

Reviewed by,  
JB 3/11/02

methylene chloride +  
2 butanone contamination  
from Methanol used  
to make IS/sur solution  
SV 2/8/02



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:13:40

Sample: AE01644  
 Analysis: \$B1524 Volatile Organic Compounds-Blank  
 Units: ug  
 Started: 2/1/02 10:58 Ended: 2/4/02 10:58 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name             | Viol | Result |
|----|----------------------------|------|--------|
| 1  | Surr - 1,2-DICHLOROETHANE- |      | 4.9    |
| 2  | Surr - 4-BROMOFLUOROBENZ   |      | 4.8    |
| 3  | DICHLORODIFLUOROMETHAN     |      | < MDL  |
| 4  | CHLOROMETHANE              |      | < MDL  |
| 5  | VINYL CHLORIDE             |      | < MDL  |
| 6  | BROMOMETHANE               |      | < MDL  |
| 7  | CHLOROETHANE               |      | < MDL  |
| 8  | TRICHLOROFLUOROMETHANE     |      | < MDL  |
| 9  | ACETONE                    |      | < MDL  |
| 10 | 1,1-DICHLOROETHENE         |      | < MDL  |
| 11 | METHYLENE CHLORIDE         |      | < MDL  |
| 12 | METHYL TERT BUTYL ETHER    |      | < MDL  |
| 13 | TRANS-1,2-DICHLOROETHEN    |      | < MDL  |
| 14 | 1,1-DICHLOROETHANE         |      | < MDL  |
| 15 | 2-BUTANONE (MEK)           |      | < MDL  |
| 16 | 2,2-DICHLOROPROPANE        |      | < MDL  |
| 17 | CIS-1,2-DICHLOROETHENE     |      | < MDL  |
| 18 | CHLOROFORM                 |      | < MDL  |
| 19 | BROMOCHLOROMETHANE         |      | < MDL  |
| 20 | 1,2-DICHLOROETHANE         |      | < MDL  |
| 21 | Surr - TOLUENE-D8          |      | 5.1    |
| 22 | 1,1,1-TRICHLOROETHANE      |      | < MDL  |
| 23 | 1,1-DICHLOROPROPENE        |      | < MDL  |
| 24 | CARBON TETRACHLORIDE       |      | < MDL  |
| 25 | BENZENE                    |      | < MDL  |
| 26 | TRICHLOROETHENE            |      | < MDL  |
| 27 | 1,2-DICHLOROPROPANE        |      | < MDL  |
| 28 | DIBROMOMETHANE             |      | < MDL  |
| 29 | BROMODICHLOROMETHANE       |      | < MDL  |
| 30 | 2-CHLOROETHYL VINYL ETHE   |      | < MDL  |
| 31 | MIBK                       |      | < MDL  |
| 32 | CIS-1,3-DICHLOROPROPENE    |      | < MDL  |
| 33 | TOLUENE                    |      | < MDL  |
| 34 | TRANS-1,3-DICHLOROPROPE    |      | < MDL  |
| 35 | 1,1,2-TRICHLOROETHANE      |      | < MDL  |
| 36 | TETRACHLOROETHENE          |      | < MDL  |
| 37 | 1,3-DICHLOROPROPANE        |      | < MDL  |
| 38 | DIBROMOCHLOROMETHANE       |      | < MDL  |
| 39 | 1,2-DIBROMOETHANE          |      | < MDL  |
| 40 | CHLOROBENZENE              |      | < MDL  |
| 41 | 1,1,1,2-TETRACHLOROETHA    |      | < MDL  |
| 42 | 2-HEXANONE                 |      | < MDL  |
| 43 | ETHYLBENZENE               |      | < MDL  |
| 44 | P & M-XYLENE               |      | < MDL  |
| 45 | O-XYLENE                   |      | < MDL  |
| 46 | STYRENE                    |      | < MDL  |
| 47 | 1,1,2,2-TETRACHLOROETHA    |      | < MDL  |
| 48 | BROMOFORM                  |      | < MDL  |

Acetone 2.1  
 MeCl<sub>2</sub> 6.49  
 MEK 4.43

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Result source: manual entry  
Page: 2

|    | Component Name          | Viol | Result |
|----|-------------------------|------|--------|
| 49 | ISOPROPYLBENZENE        |      | < MDL  |
| 50 | 1,2,3-TRICHLOROPROPANE  |      | < MDL  |
| 51 | N-PROPYLBENZENE         |      | < MDL  |
| 52 | BROMOBENZENE            |      | < MDL  |
| 53 | 1,3,5-TRIMETHYLBENZENE  |      | < MDL  |
| 54 | 2-CHLOROTOLUENE         |      | < MDL  |
| 55 | 4-CHLOROTOLUENE         |      | < MDL  |
| 56 | TERT-BUTYLBENZENE       |      | < MDL  |
| 57 | 1,2,4-TRIMETHYLBENZENE  |      | < MDL  |
| 58 | SEC-BUTYLBENZENE        |      | < MDL  |
| 59 | P-ISOROPYLTOLUENE       |      | < MDL  |
| 60 | 1,3-DICHLOROBENZENE     |      | < MDL  |
| 61 | 1,4-DICHLOROBENZENE     |      | < MDL  |
| 62 | N-BUTYLBENZENE          |      | < MDL  |
| 63 | 1,2-DICHLOROBENZENE     |      | < MDL  |
| 64 | 1,2-DIBROMO-3-CHLOROPRO |      | < MDL  |
| 65 | 1,2,4-TRICHLOROBENZENE  |      | < MDL  |
| 66 | HEXACHLOROBUTADIENE     |      | < MDL  |
| 67 | NAPHTHALENE             |      | < MDL  |
| 68 | 1,2,3-TRICHLOROBENZENE  |      | < MDL  |
| 69 | ETHANOL                 |      | < MDL  |
| 70 | NITROBENZENE            |      | < MDL  |

## Quantitation Report

(Q1 Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\0201B1.D  
 Acq On : 1 Feb 2002 8:57 am  
 Sample : lab blank 1  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:03 2002

Vial: 1  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:10:23 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013002

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev (Min) |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.11 | 114  | 1748034  | 5.00 | ug/L    | 0.00      |
| 24) CHLOROBENZENE-D5        | 21.78 | 117  | 1677758  | 5.00 | ug/L    | 0.02      |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.97 | 152  | 784869   | 5.00 | ug/L    | 0.02      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.36 | 65   | 734913   | 4.86 | ug/L    | 0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 97.20%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.37 | 174  | 645337   | 4.81 | ug/L    | 0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 96.20%  |           |
| 25) TOLUENE-D8              | 18.47 | 98   | 2149192  | 5.13 | ug/L    | 0.00      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 102.60% |           |
| Target Compounds            |       |      |          |      |         |           |
| 12) ACETONE                 | 8.27  | 43   | 19791    | 2.10 | ug/L    | Qvalue 95 |
| 14) METHYLENE CHLORIDE      | 9.63  | 49   | 39981    | 0.49 | ug/L    | 92        |
| 18) 2-BUTANONE (MEK)        | 12.01 | 43   | 98219    | 4.43 | ug/L    | 100       |
| 46) 2-HEXANONE              | 19.19 | 43   | 2161     | 0.08 | ug/L    | 30        |
| 67) N-BUTYLBENZENE          | 27.35 | 91   | 13258    | 0.06 | ug/L    | 96        |
| 73) 1,2,3-TRICHLOROBENZENE  | 33.54 | 180  | 10143    | 0.17 | ug/L    | 97        |

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 (#) = qualifier out of range (m) = manual integration

0201B1.D HP013102.M Mon Feb 04 10:04:04 2002

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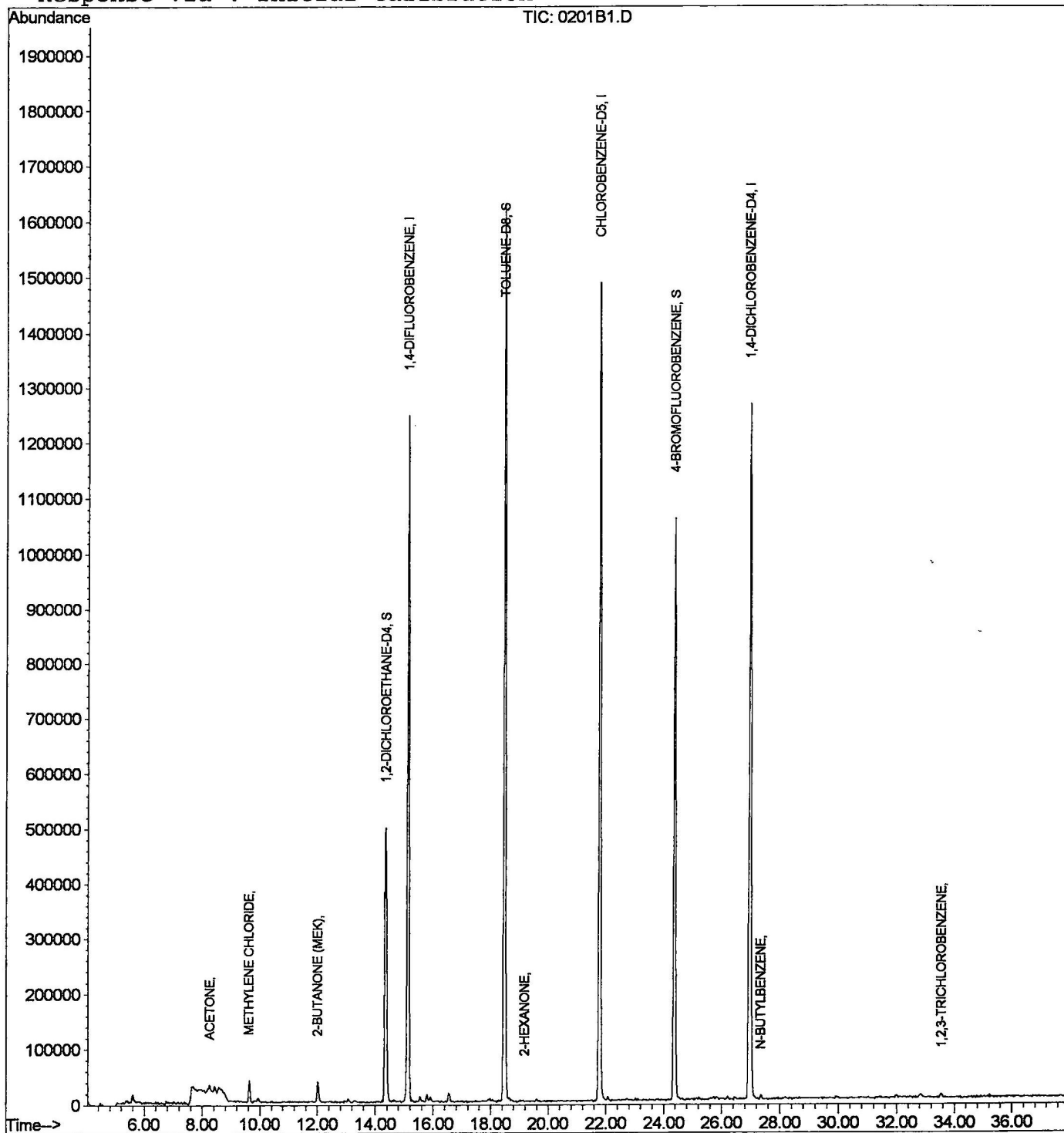
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\0201B1.D  
Acq On : 1 Feb 2002 8:57 am  
Sample : lab blank 1  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:03 2002

Vial: 1  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\0201B1.D  
Acq On : 1 Feb 2002 8:57 am  
Sample : lab blank 1  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

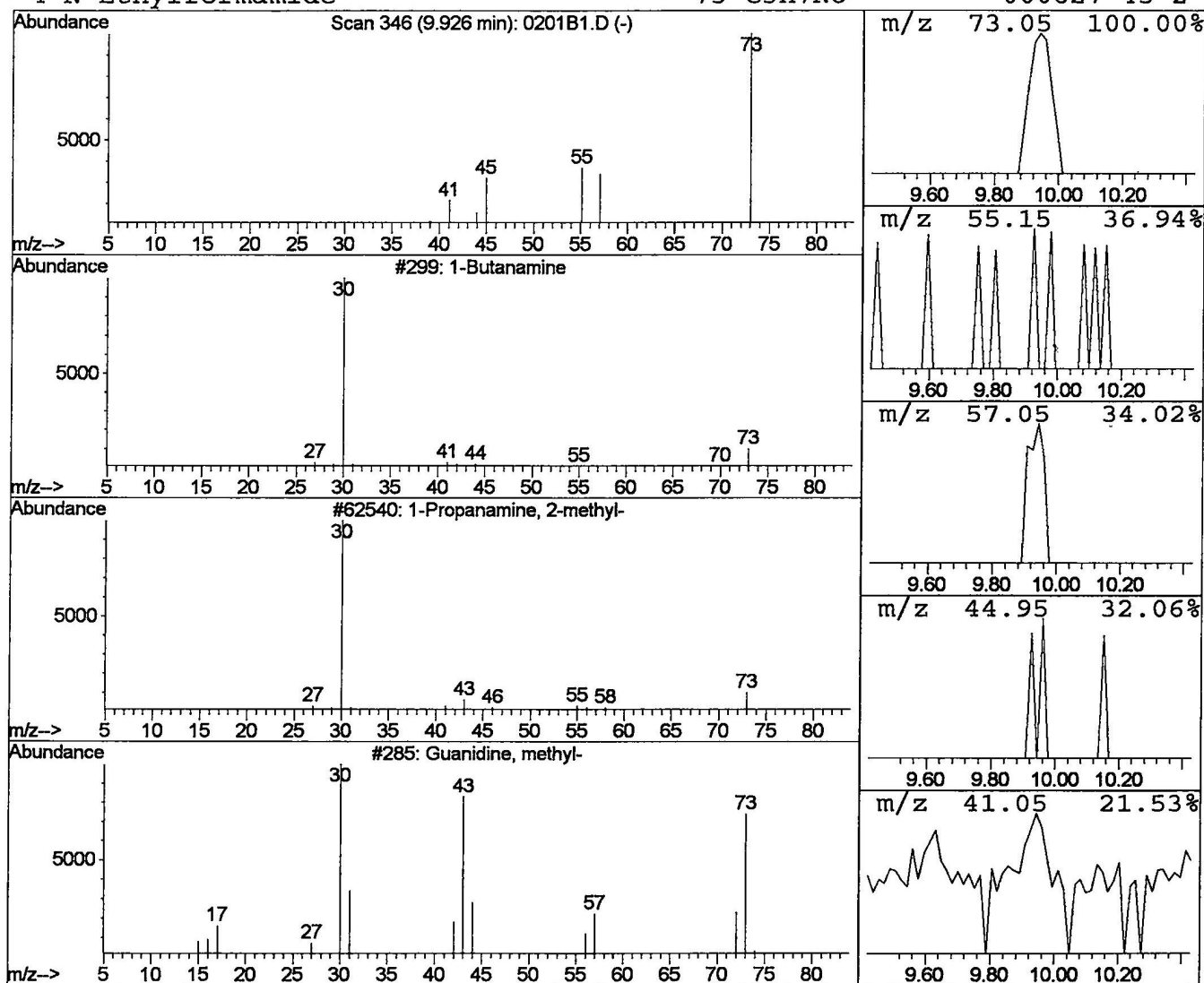
Vial: 1  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 1 1-Butanamine Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T.  |
|------|-----------|-------|---------------------|-------|
| 9.93 | 0.03 ug/L | 32939 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | 1-Butanamine             | 73 | C4H11N  | 000109-73-9 | 5    |
| 2    |    |   | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 3    |
| 3    |    |   | Guanidine, methyl-       | 73 | C2H7N3  | 000471-29-4 | 3    |
| 4    |    |   | N-Ethylformamide         | 73 | C3H7NO  | 000627-45-2 | 3    |



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Acq On : 1 Feb 2002 8:57 am  
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Misc : February 1, 2002  
MS Integration Params: LSCINT.P

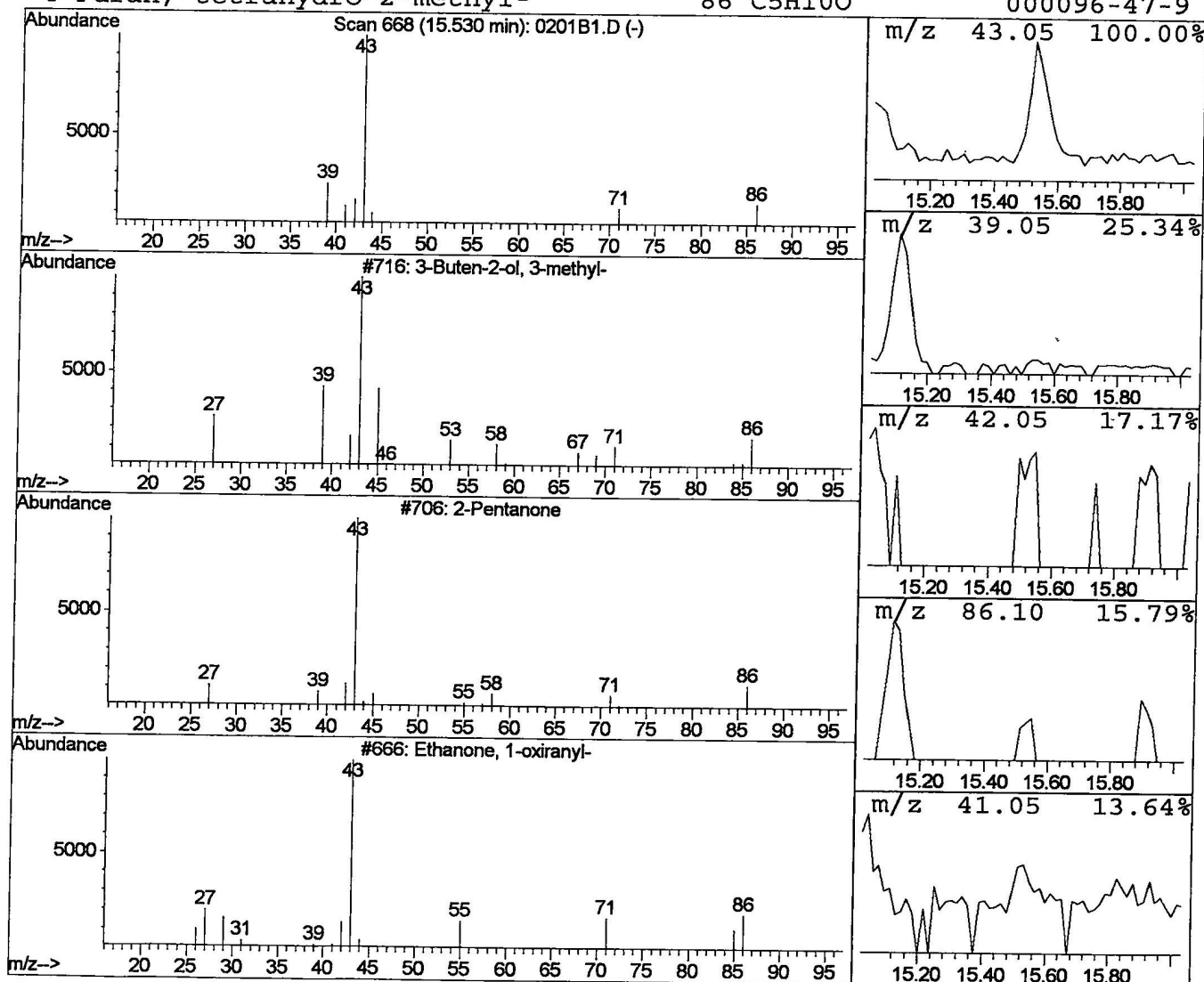
Vial: 1  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 3-Buten-2-ol, 3-methyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.53 | 0.04 ug/L | 39758 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | 3-Buten-2-ol, 3-methyl-     | 86 | C5H10O  | 010473-14-0 | 9    |
| 2    |    | 2-Pentanone                 | 86 | C5H10O  | 000107-87-9 | 9    |
| 3    |    | Ethanone, 1-oxiranyl-       | 86 | C4H6O2  | 004401-11-0 | 5    |
| 4    |    | Furan, tetrahydro-2-methyl- | 86 | C5H10O  | 000096-47-9 | 5    |



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Acq On : 1 Feb 2002 8:57 am

Sample : lab blank 1

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 1

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

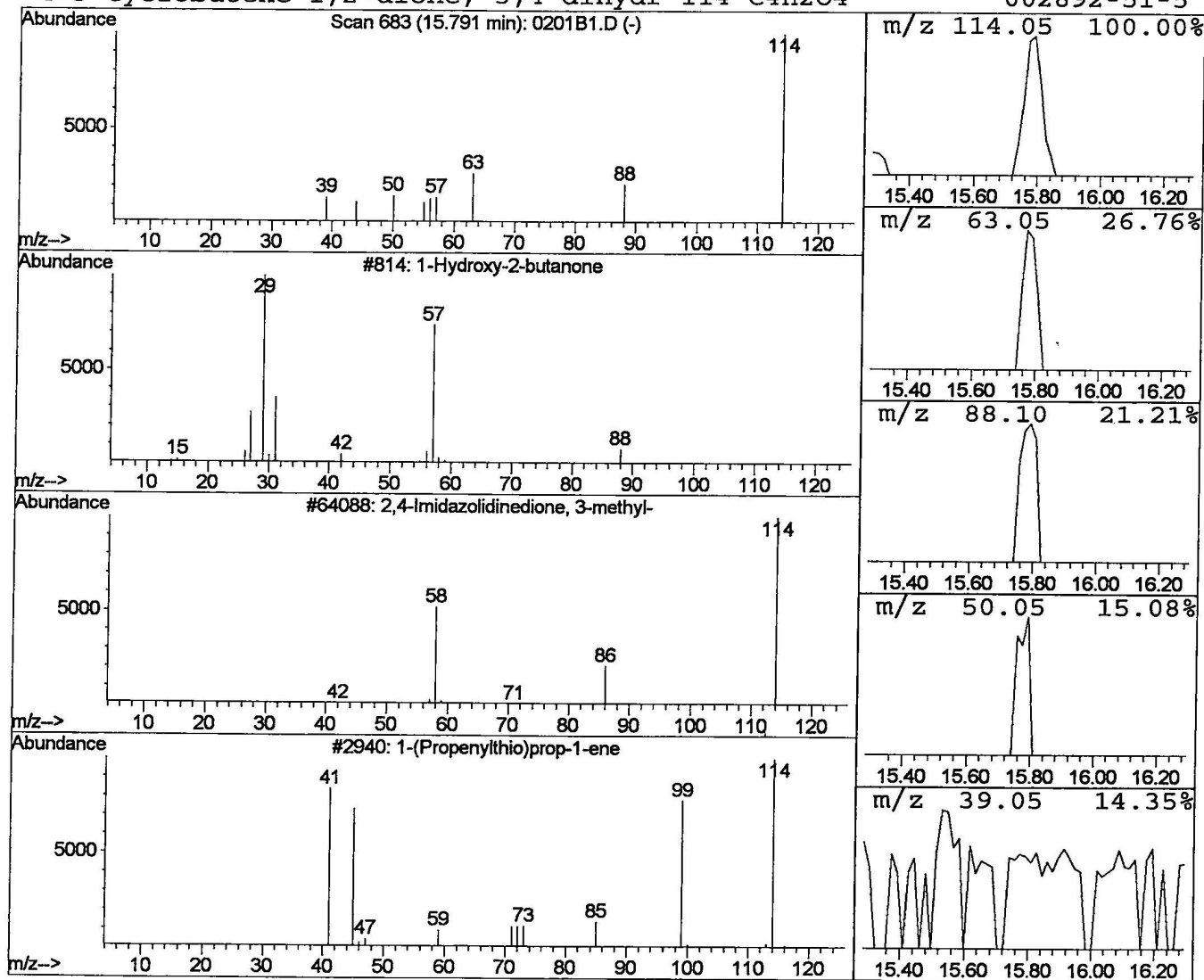
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 1-Hydroxy-2-butanone Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.79 | 0.05 ug/L | 53484 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Hydroxy-2-butanone                | 88  | C4H8O2   | 005077-67-8 | 3    |
| 2    |    |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3    |    |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 4    |    |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\0201B1.D  
 Acq On : 1 Feb 2002 8:57 am  
 Sample : lab blank 1  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

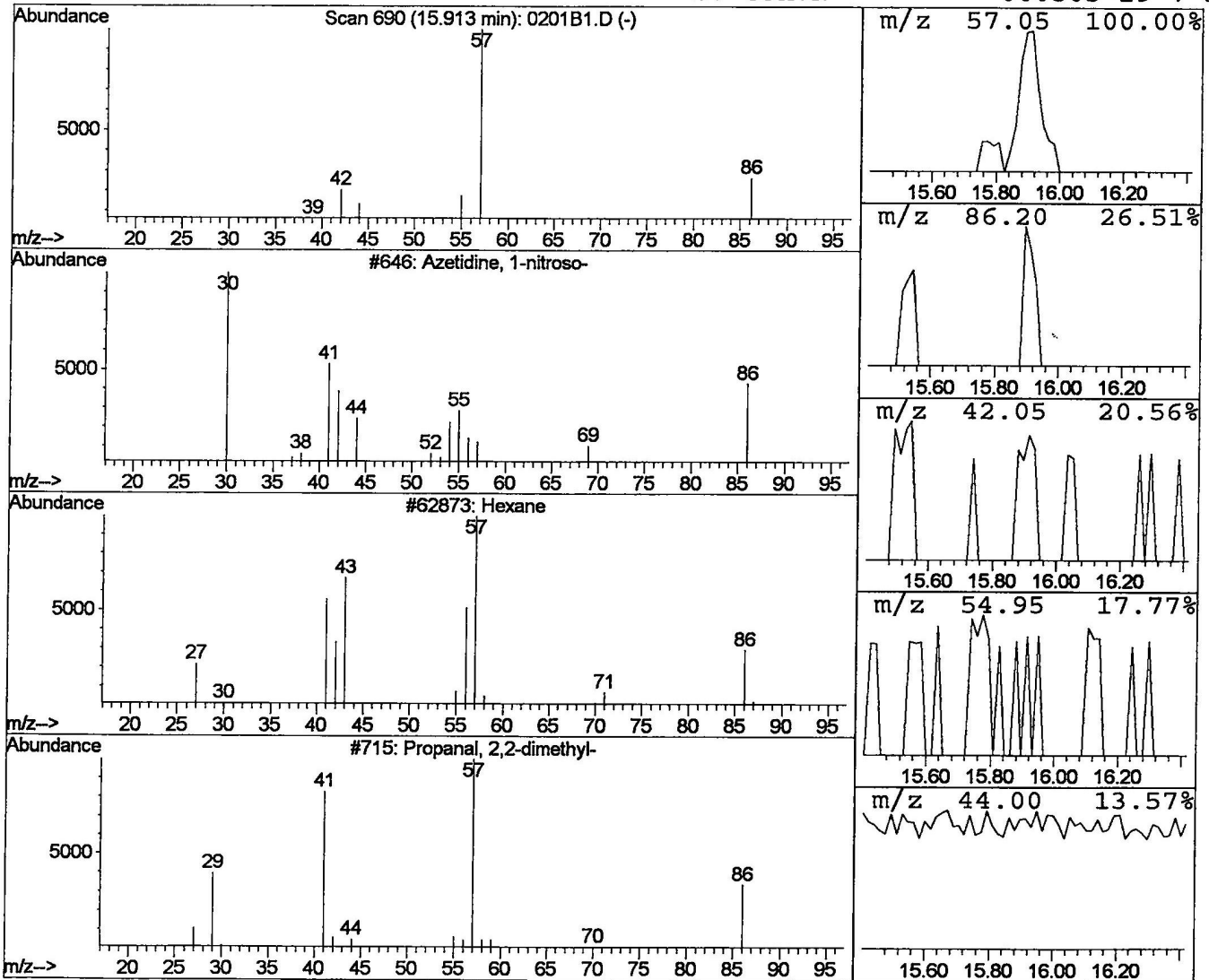
Vial: 1  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Azetidine, 1-nitroso- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.91 | 0.04 ug/L | 40322 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 45   |
| 2    |    | Hexane                  | 86 | C6H14   | 000110-54-3 | 4    |
| 3    |    | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 4    |
| 4    |    | Azetidine               | 57 | C3H7N   | 000503-29-7 | 3    |





Library Search Compound Report

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 Acq On : 1 Feb 2002 8:57 am  
 Sample : lab blank 1  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

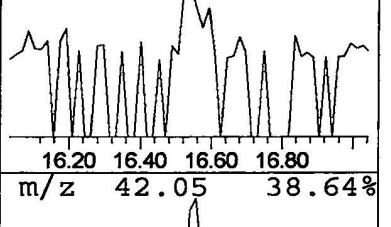
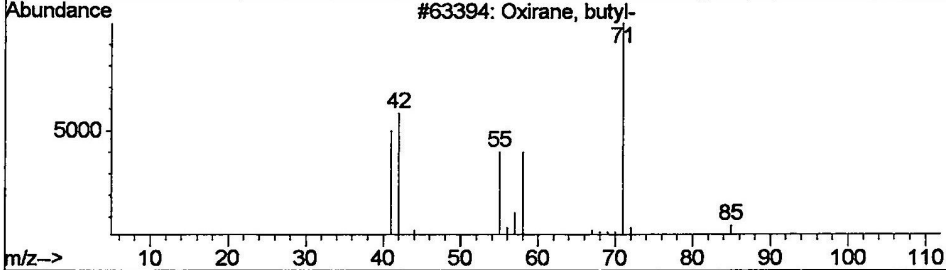
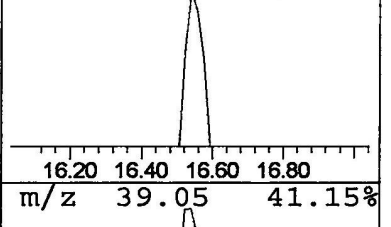
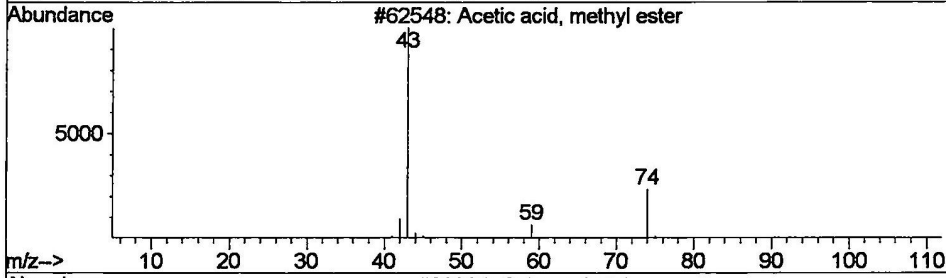
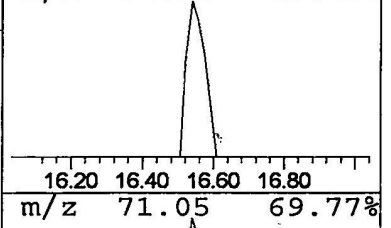
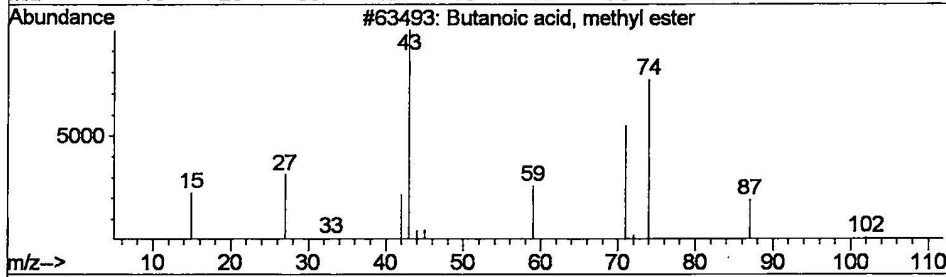
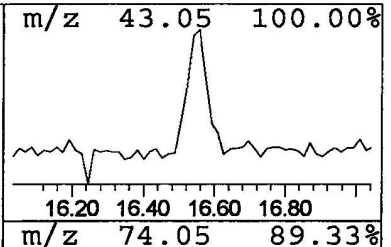
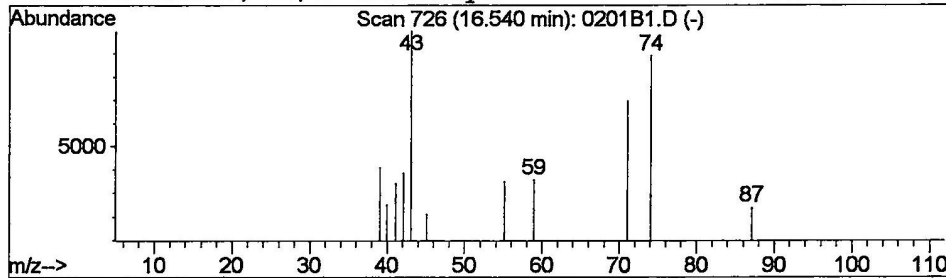
Vial: 1  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.54 | 0.07 ug/L | 63690 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 53   |
| 2    |    | Acetic acid, methyl ester   | 74  | C3H6O2  | 000079-20-9 | 9    |
| 3    |    | Oxirane, butyl-             | 100 | C6H12O  | 001436-34-6 | 9    |
| 4    |    | 1-Butanol, 2,2-dimethyl-    | 102 | C6H14O  | 001185-33-7 | 9    |



User: Baglioni, Walter  
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Sample: AE01644  
 Analysis: \$C1524 Volatile Organic Compounds-Cal 1  
 Units: ug  
 Started: 2/1/02 00:00 Ended: 2/4/02 00:00 Analyst: WB  
 Result source: a:\0201c10.rr  
 Page: 1

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|    | Component Name            | Viol | Result | Qualifier | MDL |
|----|---------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-D |      | 5.0 ✓  |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE   |      | 4.8 ✓  |           | .5  |
| 3  | Dichlorodifluoromethane   |      | 11     |           | .5  |
| 4  | Chloromethane             |      | 9.1    |           | .5  |
| 5  | Vinyl chloride            |      | 10     |           | .5  |
| 6  | Bromomethane              |      | 8.9    |           | .5  |
| 7  | Chloroethane              |      | 8.6    |           | .5  |
| 8  | Trichlorofluoromethane    |      | 8.7    |           | .5  |
| 9  | 1,1-Dichloroethene        |      | 10     |           | .5  |
| 10 | Methylene Chloride        |      | 10     |           | .5  |
| 11 | Methyl tert-butyl ether   |      | 11     |           | 1.0 |
| 12 | trans-1,2-dichloroethene  |      | 11     |           | .5  |
| 13 | 1,1-dichloroethane        |      | 10     |           | .5  |
| 14 | 2-butanone (MEK)          |      | 12     |           | 2.0 |
| 15 | 2,2-dichloropropane       |      | 11     |           | .5  |
| 16 | cis-1,2-dichloroethene    |      | 11     |           | .5  |
| 17 | Chloroform                |      | 11     |           | .5  |
| 18 | Bromochloromethane        |      | 11     |           | .5  |
| 19 | 1,2-dichloroethane        |      | 11     |           | .5  |
| 20 | Surr_TOLUENE-D8           |      | 5.1 ✓  |           | .5  |
| 21 | 1,1,1- trichloroethane    |      | 11     |           | .5  |
| 22 | 1,1-dichloropropene       |      | 11     |           | .5  |
| 23 | Carbon tetrachloride      |      | 11     |           | .5  |
| 24 | Benzene                   |      | 11     |           | .5  |
| 25 | Trichloroethene           |      | 11     |           | .5  |
| 26 | 1,2-dichloropropane       |      | 11     |           | .5  |
| 27 | Dibromomethane            |      | 11     |           | .5  |
| 28 | Bromodichloromethane      |      | 11     |           | .5  |
| 29 | Methyl iso-butyl ketone   |      | 10     |           | 1.0 |
| 30 | cis-1,3-dichloropropene   |      | 11     |           | .5  |
| 31 | Toluene                   |      | 11     |           | .5  |
| 32 | trans-1,3-dichloropropene |      | 11     |           | .5  |
| 33 | 1,1,2-trichloroethane     |      | 11     |           | .5  |
| 34 | Tetrachloroethene         |      | 11     |           | .5  |
| 35 | 1,3-dichloropropane       |      | 11     |           | .5  |
| 36 | Dibromochloromethane      |      | 11     |           | 2.0 |
| 37 | Chlorobenzene             |      | 11     |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane |      | 11     |           | .5  |
| 39 | Ethylbenzene              |      | 11     |           | .5  |
| 40 | P & M-xylene              |      | 22     |           | .5  |
| 41 | O-xylene                  |      | 11     |           | .5  |
| 42 | Styrene                   |      | 11     |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane |      | 12     |           | .5  |
| 44 | Bromoform                 |      | 10     |           | 2.0 |
| 45 | Isopropylbenzene          |      | 11     |           | .5  |
| 46 | 1,2,3-trichloropropane    |      | 11     |           | .5  |
| 47 | N-propylbenzene           |      | 11     |           | .5  |
| 48 | Bromobenzene              |      | 11     |           | .5  |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:14:56

Sample: AE01644  
Analysis: \$C1524 Volatile Organic Compounds-Cal 1  
Units: ug  
Started: 2/1/02 00:00 Ended: 2/4/02 00:00 Analyst: WB  
Result source: a:\0201c10.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 11     |           | .5  |
| 50 | 2-chlorotoluene        |      | 11     |           | .5  |
| 51 | 4-chlorotoluene        |      | 11     |           | .5  |
| 52 | TERT-butylbenzene      |      | 11     |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 11     |           | .5  |
| 54 | SEC-butylbenzene       |      | 11     |           | .5  |
| 55 | P-isopropyltoluene     |      | 11     |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 11     |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 11     |           | .5  |
| 58 | N-butylbenzene         |      | 11     |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 11     |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 11     |           | .5  |
| 61 | Hexachlobutadiene      |      | 11     |           | .5  |
| 62 | Naphthalene            |      | 11     |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 11     |           | .5  |
| 64 | Nitrobenzene           |      | 200    |           | 5.0 |

Data File : C:\HPCHEM\1\DATA\02FEB01\0201C10.D  
 Acq On : 1 Feb 2002 10:23 am  
 Sample : cal 10  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 1 11:39 2002

Vial: 3  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 11:37:30 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013002

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 15.15 | 114  | 1882109  | 5.00 | ug/L  | 0.03     |
| 24) CHLOROBENZENE-D5       | 21.81 | 117  | 1808622  | 5.00 | ug/L  | 0.05     |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.98 | 152  | 854068   | 5.00 | ug/L  | 0.03     |

#### System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 14.38 | 65  | 811348   | 4.98 | ug/L    | 0.03 |
| Spiked Amount 5.000      |       |     | Recovery | =    | 99.60%  |      |
| 3) 4-BROMOFLUOROBENZENE  | 24.39 | 174 | 695282   | 4.82 | ug/L    | 0.03 |
| Spiked Amount 5.000      |       |     | Recovery | =    | 96.40%  |      |
| 25) TOLUENE-D8           | 18.51 | 98  | 2295953  | 5.09 | ug/L    | 0.03 |
| Spiked Amount 5.000      |       |     | Recovery | =    | 101.80% |      |

#### Target Compounds

|                                |       |     |         |        |      | Qvalue |
|--------------------------------|-------|-----|---------|--------|------|--------|
| 4) DICHLORODIFLUOROMETHANE     | 4.88  | 85  | 356451  | 11.08  | ug/L | 98     |
| 5) CHLOROMETHANE               | 5.52  | 50  | 335210  | 9.12   | ug/L | 98     |
| 6) VINYL CHLORIDE              | 5.61  | 62  | 206235  | 10.15  | ug/L | 99     |
| 7) BROMOMETHANE                | 6.61  | 94  | 243352  | 8.88   | ug/L | 97     |
| 8) CHLOROETHANE                | 6.75  | 64  | 207986  | 8.61   | ug/L | 97     |
| 9) TRICHLOROFLUOROMETHANE      | 7.32  | 101 | 492044  | 8.70   | ug/L | 100    |
| 10) Isopropyl Alcohol          | 7.89  | 45  | 12306   | 126.07 | ug/L | 85     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 8.20  | 101 | 433460  | 10.32  | ug/L | 93     |
| 12) ACETONE                    | 8.29  | 43  | 131558  | 10.30  | ug/L | 96     |
| 13) 1,1-DICHLOROETHENE         | 8.64  | 61  | 882587  | 9.98   | ug/L | 97     |
| 14) METHYLENE CHLORIDE         | 9.65  | 49  | 982243  | 10.34  | ug/L | 97     |
| 15) METHYL TERT BUTYL ETHER    | 9.96  | 73  | 1253529 | 11.14  | ug/L | 99     |
| 16) TRANS-1,2-DICHLOROETHENE   | 10.33 | 61  | 1129587 | 10.54  | ug/L | 99     |
| 17) 1,1-DICHLOROETHANE         | 11.21 | 63  | 1344881 | 10.41  | ug/L | 98     |
| 18) 2-BUTANONE (MEK)           | 12.05 | 43  | 342791  | 11.76  | ug/L | 99     |
| 19) 2,2-DICHLOROPROPANE        | 12.43 | 77  | 1238213 | 11.44  | ug/L | 100    |
| 20) CIS-1,2-DICHLOROETHENE     | 12.52 | 96  | 825491  | 10.68  | ug/L | 96     |
| 21) CHLOROFORM                 | 12.87 | 83  | 1521330 | 10.57  | ug/L | 99     |
| 22) BROMOCHLOROMETHANE         | 13.25 | 49  | 658771  | 10.64  | ug/L | 91     |
| 23) 1,2-DICHLOROETHANE         | 14.59 | 62  | 1075724 | 10.60  | ug/L | 100    |
| 26) 1,1,1-TRICHLOROETHANE      | 13.75 | 97  | 1225905 | 10.69  | ug/L | 98     |
| 27) 1,1-DICHLOROPROPENE        | 14.09 | 75  | 1116520 | 10.90  | ug/L | 99     |
| 28) CARBON TETRACHLORIDE       | 14.35 | 117 | 1015079 | 10.87  | ug/L | 99     |
| 29) BENZENE                    | 14.68 | 78  | 2712859 | 10.75  | ug/L | 100    |
| 30) TRICHLOROETHENE            | 15.95 | 95  | 908891  | 10.83  | ug/L | 97     |
| 31) 1,2-DICHLOROPROPANE        | 16.31 | 63  | 794656  | 10.78  | ug/L | 95     |
| 32) DIBROMOMETHANE             | 16.99 | 174 | 417841  | 10.61  | ug/L | 94     |
| 33) BROMODICHLOROMETHANE       | 16.84 | 83  | 1184809 | 10.67  | ug/L | 98     |

(#) = qualifier out of range (m) = manual integration

0201C10.D HP013102.M Fri Feb 01 11:39:22 2002

Page 1

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\0201C10.D

Vial: 3

Acq On : 1 Feb 2002 10:23 am

Operator: 201-wb

Sample : cal 10

Inst : GC/MS Ins

Misc : February 1, 2002

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Feb 1 11:39 2002

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Fri Feb 01 11:37:30 2002

Response via : Initial Calibration

DataAcq Meth : HP013002

| Compound                       | R.T.  | QIon | Response | Conc   | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 34) 2-CHLOROETHYL VINYL ETHER  | 17.31 | 63   | 336004   | 10.71  | ug/L | 97     |
| 35) METHYL ISO-BUTYL KETONE    | 17.39 | 58   | 170828   | 10.42  | ug/L | 96     |
| 36) CIS-1,3-DICHLOROPROPENE    | 17.91 | 75   | 1242107  | 10.96  | ug/L | 99     |
| 37) TOLUENE                    | 18.68 | 91   | 3010969  | 10.77  | ug/L | 99     |
| 38) TRANS-1,3-DICHLOROPROPENE  | 18.96 | 75   | 969498   | 11.00  | ug/L | 99     |
| 39) 1,1,2-TRICHLOROETHANE      | 19.34 | 97   | 510204   | 10.54  | ug/L | 98     |
| 40) TETRACHLOROETHENE          | 20.13 | 166  | 848134   | 10.75  | ug/L | 95     |
| 41) 1,3-DICHLOROPROPANE        | 19.86 | 76   | 986954   | 10.87  | ug/L | 99     |
| 42) DIBROMOCHLOROMETHANE       | 20.56 | 129  | 706781   | 10.62  | ug/L | 97     |
| 43) 1,2-DIBROMOETHANE          | 21.01 | 107  | 575956   | 10.62  | ug/L | 95     |
| 44) CHLOROBENZENE              | 21.90 | 112  | 1962836  | 10.76  | ug/L | 98     |
| 45) 1,1,1,2-TETRACHLOROETHANE  | 21.94 | 131  | 727786   | 10.73  | ug/L | 99     |
| 46) 2-HEXANONE                 | 19.24 | 43   | 326656   | 10.58  | ug/L | 98     |
| 47) ETHYLBENZENE               | 21.94 | 91   | 3603083  | 10.98  | ug/L | 98     |
| 48) P & M-XYLENE               | 22.09 | 106  | 2436164  | 22.16  | ug/L | 98     |
| 49) O-XYLENE                   | 23.07 | 91   | 2920378  | 10.83  | ug/L | 98     |
| 50) STYRENE                    | 23.12 | 104  | 2078951  | 11.06  | ug/L | 98     |
| 51) 1,1,2,2-TETRACHLOROETHANE  | 24.15 | 83   | 572115   | 11.70  | ug/L | 99     |
| 53) BROMOFORM                  | 23.99 | 173  | 380391   | 10.42  | ug/L | 97     |
| 54) ISOPROPYLBENZENE           | 23.78 | 105  | 3270566  | 10.94  | ug/L | 100    |
| 55) 1,2,3-TRICHLOROPROPANE     | 24.48 | 110  | 171218   | 10.68  | ug/L | 99     |
| 56) N-PROPYLBENZENE            | 24.65 | 91   | 4214547  | 11.17  | ug/L | 99     |
| 57) BROMOBENZENE               | 24.91 | 156  | 821201   | 10.66  | ug/L | 97     |
| 58) 1,3,5-TRIMETHYLBENZENE     | 24.96 | 105  | 2787234  | 10.89  | ug/L | 98     |
| 59) 2-CHLOROTOLUENE            | 25.14 | 91   | 2644704  | 10.63  | ug/L | 98     |
| 60) 4-CHLOROTOLUENE            | 25.21 | 91   | 2560125  | 11.39  | ug/L | 99     |
| 61) TERT-BUTYLBENZENE          | 25.76 | 119  | 2508981  | 10.96  | ug/L | 99     |
| 62) 1,2,4-TRIMETHYLBENZENE     | 25.85 | 105  | 2899240  | 10.88  | ug/L | 100    |
| 63) SEC-BUTYLBENZENE           | 26.22 | 105  | 3522605  | 11.33  | ug/L | 99     |
| 64) P-ISOPROPYLTOLUENE         | 26.48 | 119  | 2689806  | 11.18  | ug/L | 98     |
| 65) 1,3-DICHLOROBENZENE        | 26.84 | 146  | 1509774  | 10.88  | ug/L | 98     |
| 66) 1,4-DICHLOROBENZENE        | 27.05 | 146  | 1508544  | 10.82  | ug/L | 97     |
| 67) N-BUTYLBENZENE             | 27.37 | 91   | 2803187  | 11.31  | ug/L | 98     |
| 68) 1,2-DICHLOROBENZENE        | 27.92 | 146  | 1304274  | 10.75  | ug/L | 99     |
| 69) 1,2-DIBROMO-3-CHLOROPROPAN | 29.70 | 157  | 90240    | 10.32  | ug/L | 95     |
| 70) 1,2,4-TRICHLOROBENZENE     | 32.00 | 180  | 845747   | 10.69  | ug/L | 97     |
| 71) HEXACHLOROBTADIENE         | 32.33 | 225  | 420683   | 11.18  | ug/L | 97     |
| 72) NAPHTHALENE                | 32.85 | 128  | 1194890  | 10.99  | ug/L | 99     |
| 73) 1,2,3-TRICHLOROBENZENE     | 33.56 | 180  | 674483   | 10.61  | ug/L | 98     |
| 74) NITROBENZENE               | 29.92 | 77   | 685008   | 200.58 | ug/L | 98     |

-----  
(#) = qualifier out of range (m) = manual integration

0201C10.D HP013102.M

Fri Feb 01 11:39:25 2002

Page 2

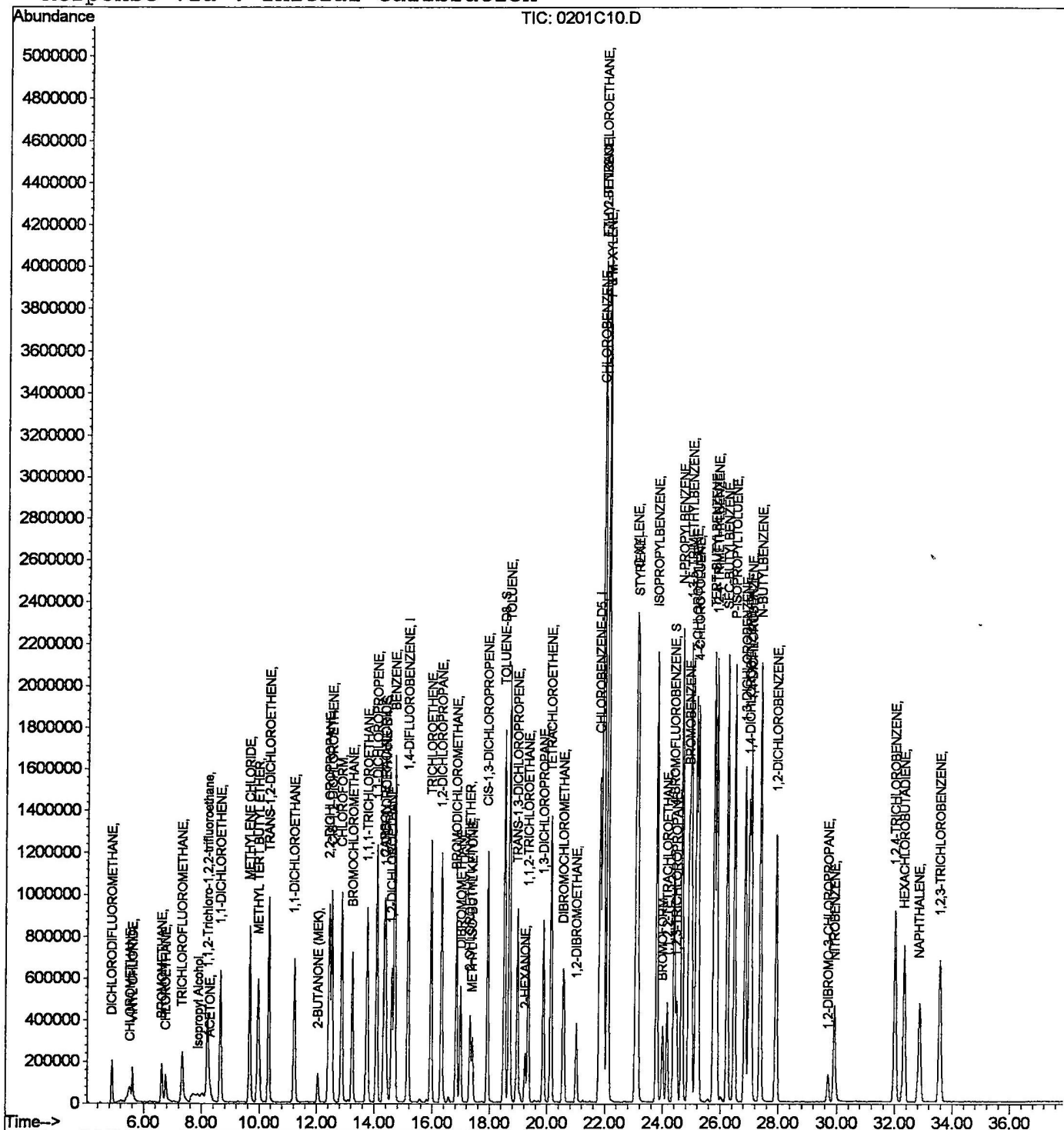
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\0201C10.D  
Acq On : 1 Feb 2002 10:23 am  
Sample : cal 10  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 1 11:39 2002

Vial: 3  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

```
Method       : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)
Title        : VOCs BY EPA METHOD 524
Last Update  : Fri Feb 01 08:52:45 2002
Response via : Initial Calibration
```



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:15:32

Sample: AE01644

Analysis: \$RE524 Reference recovery for 524

Units: ug

Started: 2/1/02 00:01 Ended: 2/4/02 00:01 Analyst: WB

Result source: a:\0201r5.rr

Page: 1

|    | Component Name           | Viol | Result | Qualifier | MDL |
|----|--------------------------|------|--------|-----------|-----|
| 1  | 1,2-DICHLOROETHANE-D4    |      | 5.0    |           |     |
| 2  | 4-BROMOFLUOROBENZENE     |      | 4.8    |           |     |
| 3  | DICHLORODIFLUOROMETHAN   |      | 5.4    |           | .5  |
| 4  | CHLOROMETHANE            |      | 5.1    |           | .5  |
| 5  | VINYL CHLORIDE           |      | 5.4    |           | .5  |
| 6  | BROMOMETHANE             |      | 4.6    |           | .5  |
| 7  | CHLOROETHANE             |      | 4.7    |           | .5  |
| 8  | TRICHLOROFLUOROMETHANE   |      | 4.6    |           | .5  |
| 9  | ACETONE                  |      | 5.3    |           | .5  |
| 10 | 1,1-DICHLOROETHENE       |      | 4.8    |           | .5  |
| 11 | METHYLENE CHLORIDE       |      | 4.9    |           | .5  |
| 12 | METHYL TERT BUTYL ETHER  |      | 5.4    |           | 1   |
| 13 | TRANS-1,2-DICHLOROETHEN  |      | 5.1    |           | .5  |
| 14 | 1,1-DICHLOROETHANE       |      | 5.2    |           | .5  |
| 15 | 2-BUTANONE (MEK)         |      | 6.3    |           | .5  |
| 16 | 2,2-DICHLOROPROPANE      |      | 5.7    |           | .5  |
| 17 | CIS-1,2-DICHLOROETHENE   |      | 5.3    |           | .5  |
| 18 | CHLOROFORM               |      | 5.3    |           | .5  |
| 19 | BROMOCHLOROMETHANE       |      | 5.2    |           | .5  |
| 20 | 1,2-DICHLOROETHANE       |      | 5.4    |           | .5  |
| 21 | TOLUENE-D8               |      | 5.0    |           |     |
| 22 | 1,1,1-TRICHLOROETHANE    |      | 5.2    |           | .5  |
| 23 | 1,1-DICHLOROPROPENE      |      | 5.6    |           | .5  |
| 24 | CARBON TETRACHLORIDE     |      | 5.3    |           | .5  |
| 25 | BENZENE                  |      | 5.4    |           | .5  |
| 26 | TRICHLOROETHENE          |      | 5.5    |           | .5  |
| 27 | 1,2-DICHLOROPROPANE      |      | 5.5    |           | .5  |
| 28 | DIBROMOMETHANE           |      | 5.2    |           | .5  |
| 29 | BROMODICHLOROMETHANE     |      | 5.3    |           | .5  |
| 30 | 2-CHLOROETHYL VINYL ETHE |      | 5.1    |           | .5  |
| 31 | METHYL ISO-BUTYL KETONE  |      | 4.7    |           | 1   |
| 32 | CIS-1,3-DICHLOROPROPENE  |      | 5.6    |           | .5  |
| 33 | TOLUENE                  |      | 5.5    |           | .5  |
| 34 | TRANS-1,3-DICHLOROPROPE  |      | 5.8    |           | .5  |
| 35 | 1,1,2-TRICHLOROETHANE    |      | 5.4    |           | .5  |
| 36 | TETRACHLOROETHENE        |      | 5.4    |           | .5  |
| 37 | 1,3-DICHLOROPROPANE      |      | 5.6    |           | .5  |
| 38 | DIBROMOCHLOROMETHANE     |      | 5.3    |           | 2   |
| 39 | 1,2-DIBROMOETHANE        |      | 5.5    |           | .5  |
| 40 | CHLOROBENZENE            |      | 5.5    |           | .5  |
| 41 | 1,1,1,2-TETRACHLOROETHA  |      | 5.4    |           | .5  |
| 42 | 2-HEXANONE               |      | 4.9    |           | .5  |
| 43 | ETHYLBENZENE             |      | 5.7    |           | .5  |
| 44 | P & M-XYLENE             |      | 11     |           | .5  |
| 45 | O-XYLENE                 |      | 5.5    |           | .5  |
| 46 | STYRENE                  |      | 5.6    |           | .5  |
| 47 | 1,1,2,2-TETRACHLOROETHA  |      | 5.8    |           | .5  |
| 48 | BROMOFORM                |      | 5.0    |           | 2   |



User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:15:32

Sample: AE01644  
Analysis: \$RE524 Reference recovery for 524  
Units: ug  
Started: 2/1/02 00:01 Ended: 2/4/02 00:01 Analyst: WB  
Result source: a:\0201r5.rr  
Page: 2

|    | Component Name          | Viol | Result | Qualifier | MDL |
|----|-------------------------|------|--------|-----------|-----|
| 49 | ISOPROPYLBENZENE        |      | 5.7    |           | .5  |
| 50 | 1,2,3-TRICHLOROPROPANE  |      | 5.4    |           | .5  |
| 51 | N-PROPYLBENZENE         |      | 5.6    |           | .5  |
| 52 | BROMOBENZENE            |      | 5.6    |           | .5  |
| 53 | 1,3,5-TRIMETHYLBENZENE  |      | 5.7    |           | .5  |
| 54 | 2-CHLOROTOLUENE         |      | 6.0    |           | .5  |
| 55 | 4-CHLOROTOLUENE         |      | 5.2    |           | .5  |
| 56 | TERT-BUTYLBENZENE       |      | 5.7    |           | .5  |
| 57 | 1,2,4-TRIMETHYLBENZENE  |      | 5.7    |           | .5  |
| 58 | SEC-BUTYLBENZENE        |      | 5.8    |           | .5  |
| 59 | P-ISOPROPYLTOLUENE      |      | 6.0    |           | .5  |
| 60 | 1,3-DICHLOROBENZENE     |      | 5.7    |           | .5  |
| 61 | 1,4-DICHLOROBENZENE     |      | 5.5    |           | .5  |
| 62 | N-BUTYLBENZENE          |      | 6.0    |           | .5  |
| 63 | 1,2-DICHLOROBENZENE     |      | 5.5    |           | .5  |
| 64 | 1,2-DIBROMO-3-CHLOROPRO |      | 5.2    |           | .5  |
| 65 | 1,2,4-TRICHLOROBENZENE  |      | 5.7    |           | .5  |
| 66 | HEXACHLOROBUTADIENE     |      | 6.1    |           | .5  |
| 67 | NAPHTHALENE             |      | 5.8    |           | .5  |
| 68 | 1,2,3-TRICHLOROBENZENE  |      | 5.7    |           | .5  |
| 69 | ETHANOL                 |      | < MDL  |           | 30  |
| 70 | NITROBENZENE            |      | 99     |           | 5.0 |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:31:09

Sample: AE01644  
 Analysis: \$Q\_524 Volatile Organic Compounds Reference Rec  
 Units: ug  
 Started: 2/1/02 11:30 Ended: 2/4/02 11:30 Analyst: WB  
 Result source: calculation  
 Page: 1

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|    | Component Name             | Viol | Result | Qualifier | MDL |
|----|----------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE- |      | 5 ✓    |           | .5  |
| 2  | Surr - 4-BROMOFLUOROBENZ   |      | 4.8 ✓  |           | .5  |
| 3  | Dichlorodifluoromethane    |      | 108    |           | .5  |
| 4  | Chloromethane              |      | 102    |           | .5  |
| 5  | Vinyl chloride             |      | 108    |           | .5  |
| 6  | Bromomethane               |      | 92     |           | .5  |
| 7  | Chloroethane               |      | 94     |           | .5  |
| 8  | Trichlorofluoromethane     |      | 92     |           | .5  |
| 9  | 1,1-Dichloroethene         |      | 96     |           | .5  |
| 10 | Methylene Chloride         |      | 98     |           | .5  |
| 11 | Methyl tert butyl ether    |      | 108    |           | 1.0 |
| 12 | trans-1,2-dichloroethene   |      | 102    |           | .5  |
| 13 | 1,1-dichloroethane         |      | 104    |           | .5  |
| 14 | 2-butanone (MEK)           |      | 126 ✓  |           | 2.0 |
| 15 | 2,2-dichloropropane        |      | 114    |           | .5  |
| 16 | cis-1,2-dichloroethene     |      | 106    |           | .5  |
| 17 | Chloroform                 |      | 106    |           | .5  |
| 18 | Bromochloromethane         |      | 104    |           | .5  |
| 19 | 1,2-dichloroethane         |      | 108    |           | .5  |
| 20 | Surr - TOLUENE-D8          |      | 5 ✓    |           | .5  |
| 21 | 1,1,1-trichloroethane      |      | 104    |           | .5  |
| 22 | 1,1-dichloropropene        |      | 112    |           | .5  |
| 23 | Carbon tetrachloride       |      | 106    |           | .5  |
| 24 | Benzene                    |      | 108    |           | .5  |
| 25 | Trichloroethene            |      | 110    |           | .5  |
| 26 | 1,2-dichloropropane        |      | 110    |           | .5  |
| 27 | Dibromomethane             |      | 104    |           | .5  |
| 28 | Bromodichloromethane       |      | 106    |           | .5  |
| 29 | Methyl iso-butyl ketone    |      | 94     |           | 1.0 |
| 30 | cis-1,3-dichloropropene    |      | 112    |           | .5  |
| 31 | Toluene                    |      | 110    |           | .5  |
| 32 | trans-1,3-dichloropropene  |      | 116    |           | .5  |
| 33 | 1,1,2-trichloroethane      |      | 108    |           | .5  |
| 34 | Tetrachloroethene          |      | 108    |           | .5  |
| 35 | 1,3-dichloropropane        |      | 112    |           | .5  |
| 36 | Dibromochloromethane       |      | 106    |           | 2.0 |
| 37 | Chlorobenzene              |      | 110    |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane  |      | 108    |           | .5  |
| 39 | Ethylbenzene               |      | 114    |           | .5  |
| 40 | P & M-xylene               |      | 110    |           | .5  |
| 41 | O-xylene                   |      | 110    |           | .5  |
| 42 | Styrene                    |      | 112    |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane  |      | 116    |           | .5  |
| 44 | Bromoform                  |      | 100    |           | 2.0 |
| 45 | Isopropylbenzene           |      | 114    |           | .5  |
| 46 | 1,2,3-trichloropropane     |      | 108    |           | .5  |
| 47 | N-propylbenzene            |      | 112    |           | .5  |
| 48 | Bromobenzene               |      | 112    |           | .5  |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:31:09

Sample: AE01644  
Analysis: \$Q\_524 Volatile Organic Compounds-Reference Rec  
Units: ug  
Started: 2/1/02 11:30 Ended: 2/4/02 11:30 Analyst: WB  
Result source: calculation  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 114    |           | .5  |
| 50 | 2-chlorotoluene        |      | 120    |           | .5  |
| 51 | 4-chlorotoluene        |      | 104    |           | .5  |
| 52 | TERT-butylbenzene      |      | 114    |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 114    |           | .5  |
| 54 | SEC-butylbenzene       |      | 116    |           | .5  |
| 55 | P-isopropyltoluene     |      | 120    |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 114    |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 110    |           | .5  |
| 58 | N-butylbenzene         |      | 120    |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 110    |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 114    |           | .5  |
| 61 | Hexachlorobutadiene    |      | 122    |           | .5  |
| 62 | Naphthalene            |      | 116    |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 114    |           | .5  |
| 64 | Ethanol                |      |        |           |     |
| 65 | Nitrobenzene           |      | 99     |           | 5.0 |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\0201R5.D  
 Acq On : 1 Feb 2002 11:06 am  
 Sample : ref 5  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:06 2002

Vial: 4  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 11:37:30 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013002

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 15.16 | 114  | 1766613  | 5.00 | ug/L  | 0.05     |
| 24) CHLOROBENZENE-D5       | 21.81 | 117  | 1727429  | 5.00 | ug/L  | 0.05     |
| 52) 1,4-DICHLOROBENZENE-D4 | 27.00 | 152  | 795137   | 5.00 | ug/L  | 0.05     |

## System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 14.40 | 65  | 768966   | 5.03 | ug/L    | 0.05 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 100.60% |      |
| 3) 4-BROMOFLUOROBENZENE  | 24.41 | 174 | 652984   | 4.82 | ug/L    | 0.05 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 96.40%  |      |
| 25) TOLUENE-D8           | 18.51 | 98  | 2170620  | 5.03 | ug/L    | 0.03 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 100.60% |      |

## Target Compounds

|                               |       |     |         |      | Qvalue   |
|-------------------------------|-------|-----|---------|------|----------|
| 4) DICHLORODIFLUOROMETHANE    | 4.89  | 85  | 164208  | 5.44 | ug/L 98  |
| 5) CHLOROMETHANE              | 5.52  | 50  | 172000  | 5.08 | ug/L 99  |
| 6) VINYL CHLORIDE             | 5.62  | 62  | 111618  | 5.40 | ug/L 100 |
| 7) BROMOMETHANE               | 6.61  | 94  | 118499  | 4.61 | ug/L 97  |
| 8) CHLOROETHANE               | 6.76  | 64  | 107024  | 4.72 | ug/L 95  |
| 9) TRICHLOROFLUOROMETHANE     | 7.32  | 101 | 242526  | 4.57 | ug/L 98  |
| 12) ACETONE                   | 8.31  | 43  | 80992   | 5.33 | ug/L 97  |
| 13) 1,1-DICHLOROETHENE        | 8.65  | 61  | 397712  | 4.79 | ug/L 98  |
| 14) METHYLENE CHLORIDE        | 9.66  | 49  | 492250  | 4.92 | ug/L 98  |
| 15) METHYL TERT BUTYL ETHER   | 9.96  | 73  | 590820  | 5.41 | ug/L 98  |
| 16) TRANS-1,2-DICHLOROETHENE  | 10.33 | 61  | 509834  | 5.07 | ug/L 94  |
| 17) 1,1-DICHLOROETHANE        | 11.23 | 63  | 628012  | 5.18 | ug/L 99  |
| 18) 2-BUTANONE (MEK)          | 12.05 | 43  | 212077  | 6.28 | ug/L 98  |
| 19) 2,2-DICHLOROPROPANE       | 12.45 | 77  | 582417  | 5.73 | ug/L 97  |
| 20) CIS-1,2-DICHLOROETHENE    | 12.54 | 96  | 384368  | 5.30 | ug/L 98  |
| 21) CHLOROFORM                | 12.87 | 83  | 710037  | 5.26 | ug/L 98  |
| 22) BROMOCHLOROMETHANE        | 13.25 | 49  | 302591  | 5.20 | ug/L 96  |
| 23) 1,2-DICHLOROETHANE        | 14.59 | 62  | 517111  | 5.43 | ug/L 100 |
| 26) 1,1,1-TRICHLOROETHANE     | 13.77 | 97  | 573560  | 5.24 | ug/L 98  |
| 27) 1,1-DICHLOROPROPENE       | 14.09 | 75  | 544281  | 5.57 | ug/L 99  |
| 28) CARBON TETRACHLORIDE      | 14.35 | 117 | 468521  | 5.25 | ug/L 97  |
| 29) BENZENE                   | 14.69 | 78  | 1310221 | 5.44 | ug/L 99  |
| 30) TRICHLOROETHENE           | 15.96 | 95  | 442371  | 5.52 | ug/L 98  |
| 31) 1,2-DICHLOROPROPANE       | 16.33 | 63  | 385962  | 5.48 | ug/L 98  |
| 32) DIBROMOMETHANE            | 16.99 | 174 | 197167  | 5.24 | ug/L 98  |
| 33) BROMODICHLOROMETHANE      | 16.84 | 83  | 566262  | 5.34 | ug/L 100 |
| 34) 2-CHLOROETHYL VINYL ETHER | 17.32 | 63  | 153092  | 5.11 | ug/L 97  |
| 35) METHYL ISO-BUTYL KETONE   | 17.39 | 58  | 74323   | 4.75 | ug/L 95  |

(#) = qualifier out of range (m) = manual integration

0201R5.D HP013102.M Mon Feb 04 10:07:00 2002

Page 1

Data File : C:\HPCHEM\1\DATA\02FEB01\0201R5.D  
 Acq On : 1 Feb 2002 11:06 am  
 Sample : ref 5  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:06 2002

Vial: 4  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 11:37:30 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013002

| Compound                       | R.T.  | QIon | Response | Conc Unit  | Qvalue |
|--------------------------------|-------|------|----------|------------|--------|
| 36) CIS-1,3-DICHLOROPROPENE    | 17.93 | 75   | 611189   | 5.64 ug/L  | 98     |
| 37) TOLUENE                    | 18.68 | 91   | 1482274  | 5.55 ug/L  | 100    |
| 38) TRANS-1,3-DICHLOROPROPENE  | 18.96 | 75   | 489977   | 5.82 ug/L  | 96     |
| 39) 1,1,2-TRICHLOROETHANE      | 19.34 | 97   | 248748   | 5.38 ug/L  | 97     |
| 40) TETRACHLOROETHENE          | 20.12 | 166  | 407230   | 5.40 ug/L  | 93     |
| 41) 1,3-DICHLOROPROPANE        | 19.88 | 76   | 482500   | 5.56 ug/L  | 99     |
| 42) DIBROMOCHLOROMETHANE       | 20.58 | 129  | 338447   | 5.32 ug/L  | 99     |
| 43) 1,2-DIBROMOETHANE          | 21.03 | 107  | 283395   | 5.47 ug/L  | 94     |
| 44) CHLOROBENZENE              | 21.90 | 112  | 956846   | 5.49 ug/L  | 97     |
| 45) 1,1,1,2-TETRACHLOROETHANE  | 21.95 | 131  | 352585   | 5.44 ug/L  | 99     |
| 46) 2-HEXANONE                 | 19.24 | 43   | 145750   | 4.94 ug/L  | 95     |
| 47) ETHYLBENZENE               | 21.94 | 91   | 1794578  | 5.73 ug/L  | 100    |
| 48) P & M-XYLENE               | 22.09 | 106  | 1184289  | 11.28 ug/L | 98     |
| 49) O-XYLENE                   | 23.07 | 91   | 1424467  | 5.53 ug/L  | 99     |
| 50) STYRENE                    | 23.14 | 104  | 1012959  | 5.64 ug/L  | 99     |
| 51) 1,1,2,2-TETRACHLOROETHANE  | 24.15 | 83   | 278890   | 5.81 ug/L  | 97     |
| 53) BROMOFORM                  | 23.99 | 173  | 170119   | 5.01 ug/L  | 95     |
| 54) ISOPROPYLBENZENE           | 23.80 | 105  | 1578378  | 5.67 ug/L  | 99     |
| 55) 1,2,3-TRICHLOROPROPANE     | 24.48 | 110  | 80622    | 5.40 ug/L  | 97     |
| 56) N-PROPYLBENZENE            | 24.67 | 91   | 1949691  | 5.55 ug/L  | 99     |
| 57) BROMOBENZENE               | 24.91 | 156  | 401392   | 5.60 ug/L  | 98     |
| 58) 1,3,5-TRIMETHYLBENZENE     | 24.98 | 105  | 1364361  | 5.72 ug/L  | 99     |
| 59) 2-CHLOROTOLUENE            | 25.16 | 91   | 1392856  | 6.01 ug/L  | 99     |
| 60) 4-CHLOROTOLUENE            | 25.22 | 91   | 1094431  | 5.21 ug/L  | 98     |
| 61) TERT-BUTYLBENZENE          | 25.78 | 119  | 1206150  | 5.66 ug/L  | 100    |
| 62) 1,2,4-TRIMETHYLBENZENE     | 25.87 | 105  | 1404355  | 5.66 ug/L  | 99     |
| 63) SEC-BUTYLBENZENE           | 26.23 | 105  | 1683184  | 5.81 ug/L  | 99     |
| 64) P-ISOPROPYLTOLUENE         | 26.50 | 119  | 1333447  | 5.95 ug/L  | 99     |
| 65) 1,3-DICHLOROBENZENE        | 26.86 | 146  | 731511   | 5.66 ug/L  | 97     |
| 66) 1,4-DICHLOROBENZENE        | 27.07 | 146  | 718965   | 5.54 ug/L  | 100    |
| 67) N-BUTYLBENZENE             | 27.38 | 91   | 1394269  | 6.04 ug/L  | 100    |
| 68) 1,2-DICHLOROBENZENE        | 27.92 | 146  | 617115   | 5.46 ug/L  | 100    |
| 69) 1,2-DIBROMO-3-CHLOROPROPAN | 29.72 | 157  | 42086    | 5.17 ug/L  | 98     |
| 70) 1,2,4-TRICHLOROBENZENE     | 32.01 | 180  | 422849   | 5.74 ug/L  | 93     |
| 71) HEXACHLOROBUTADIENE        | 32.33 | 225  | 213979   | 6.11 ug/L  | 99     |
| 72) NAPHTHALENE                | 32.87 | 128  | 587496   | 5.80 ug/L  | 98     |
| 73) 1,2,3-TRICHLOROBENZENE     | 33.58 | 180  | 339819   | 5.74 ug/L  | 98     |
| 74) NITROBENZENE               | 29.92 | 77   | 313332   | 98.55 ug/L | 98     |

(#) = qualifier out of range (m) = manual integration

0201R5.D HP013102.M Mon Feb 04 10:07:03 2002

Page 2

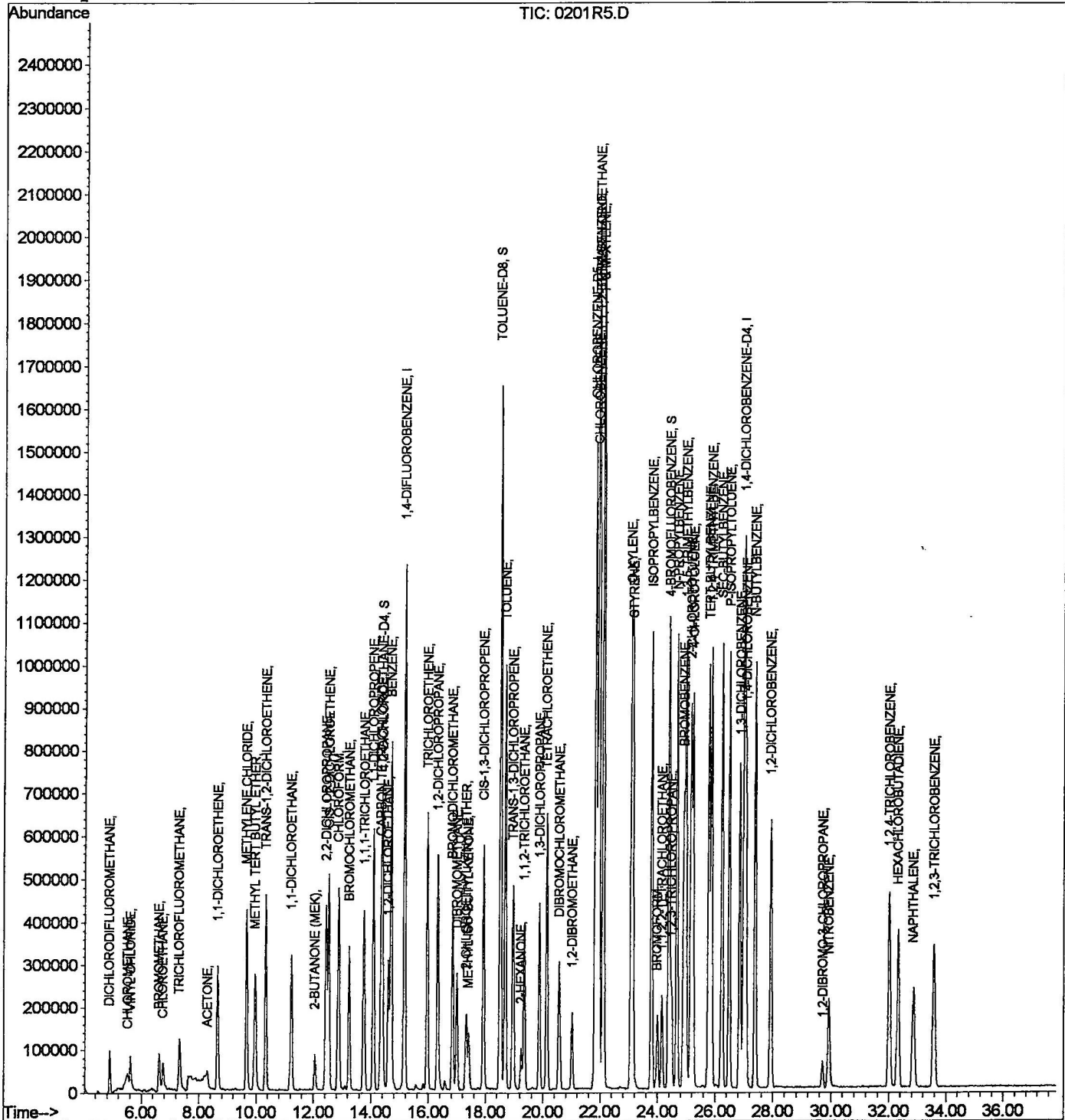
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\0201R5.D  
Acq On : 1 Feb 2002 11:06 am  
Sample : ref 5  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:06 2002 Qu

Vial: 4  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

```
Method       : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)
Title        : VOCs BY EPA METHOD 524
Last Update   : Fri Feb 01 13:18:32 2002
Response via  : Initial Calibration
```



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:21:18

Sample: AE01464  
 Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-D      |      | 4.9    |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |      | 4.8    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | Chloroform                     |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr_TOLUENE-D8                |      | 5.0    |           | .5  |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | Bromodichloromethane           |      | < MDL  |           | .5  |
| 29 | Methy iso-butyl ketone (MIBK)  |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | Dibromochloromethane           |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | Bromoform                      |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

Acetone 45

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:21:18

Sample: AE01464  
Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | .5  |
| 50 | 2-chlorotoluene        |      | < MDL  |           | .5  |
| 51 | 4-chlorotoluene        |      | < MDL  |           | .5  |
| 52 | TERT-butylbenzene      |      | < MDL  |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | .5  |
| 54 | SEC-butylbenzene       |      | < MDL  |           | .5  |
| 55 | P-isopropyltoluene     |      | < MDL  |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | .5  |
| 58 | N-butylbenzene         |      | < MDL  |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | .5  |
| 61 | Hexachlobutadiene      |      | < MDL  |           | .5  |
| 62 | Naphthalene            |      | < MDL  |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | .5  |

Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D  
 Acq On : 1 Feb 2002 12:13 pm  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:08 2002

Vial: 5  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:10:23 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.16 | 114  | 1618454  | 5.00  | ug/L   | 0.05     |
| 24) CHLOROBENZENE-D5        | 21.81 | 117  | 1629554  | 5.00  | ug/L   | 0.05     |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.00 | 152  | 733717   | 5.00  | ug/L   | 0.05     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.40 | 65   | 692605   | 4.94  | ug/L   | 0.05     |
| Spiked Amount 5.000         |       |      | Recovery | =     | 98.80% |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.41 | 174  | 596777   | 4.81  | ug/L   | 0.05     |
| Spiked Amount 5.000         |       |      | Recovery | =     | 96.20% |          |
| 25) TOLUENE-D8              | 18.52 | 98   | 2021725  | 4.97  | ug/L   | 0.05     |
| Spiked Amount 5.000         |       |      | Recovery | =     | 99.40% |          |
| Target Compounds            |       |      |          |       |        |          |
| 12) ACETONE                 | 8.31  | 43   | 394838   | 45.22 | ug/L   | 95       |
| 14) METHYLENE CHLORIDE      | 9.66  | 49   | 48884    | 0.65  | ug/L   | 97       |
| 18) 2-BUTANONE (MEK)        | 12.05 | 43   | 73889    | 3.60  | ug/L   | 97       |
| 46) 2-HEXANONE              | 19.27 | 43   | 8717     | 0.31  | ug/L   | 30       |
| 72) NAPHTHALENE             | 32.88 | 128  | 34623    | 0.37  | ug/L   | 96       |
| 74) NITROBENZENE            | 29.94 | 77   | 13328    | 4.54  | ug/L   | 87       |

*Compound*

(#) = qualifier out of range (m) = manual integration  
 01464F.D HP013102.M Mon Feb 04 10:08:53 2002

Page 1

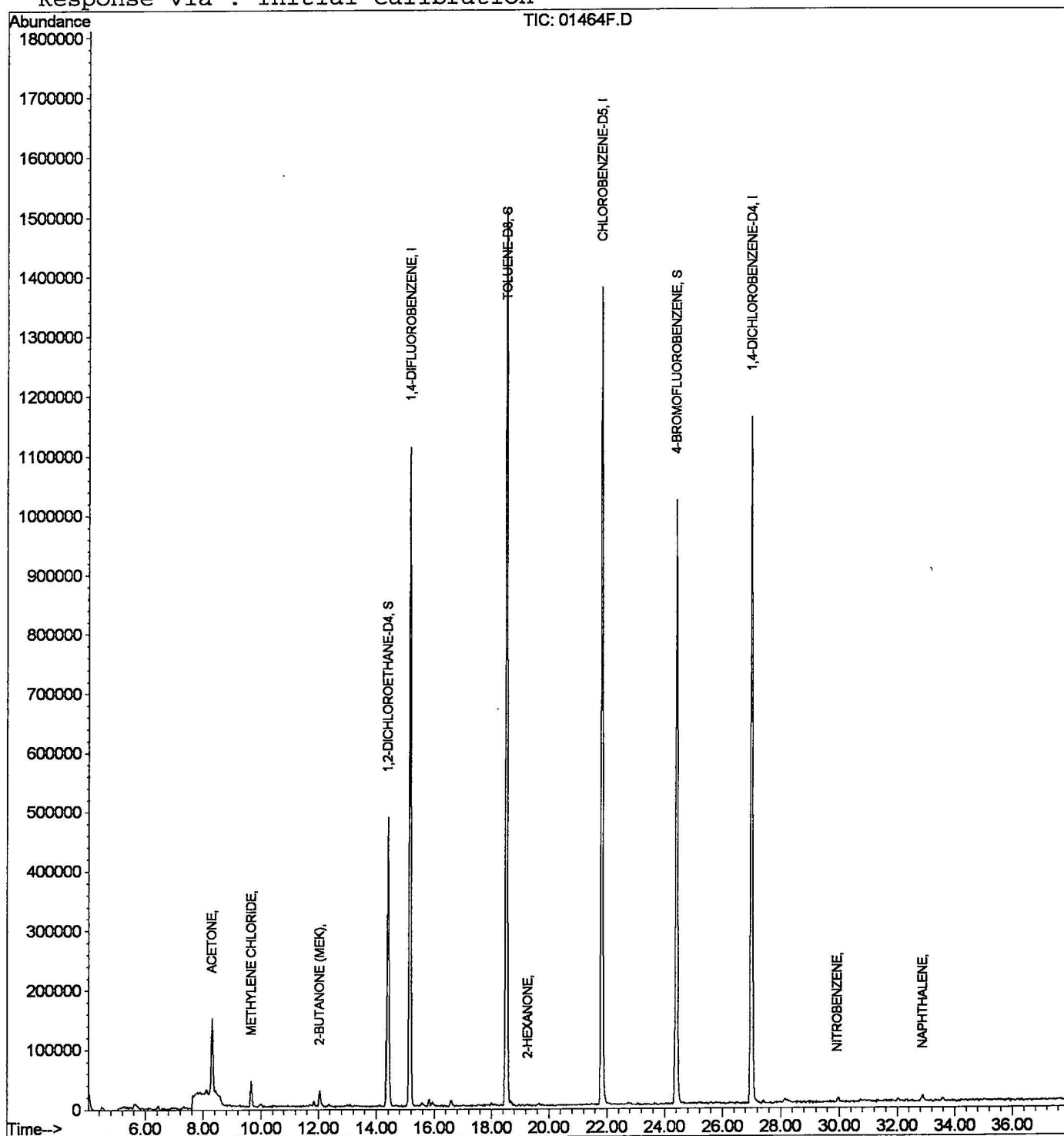


Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D  
Acq On : 1 Feb 2002 12:13 pm  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:08 2002

Vial: 5  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D  
 Acq On : 1 Feb 2002 12:13 pm  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

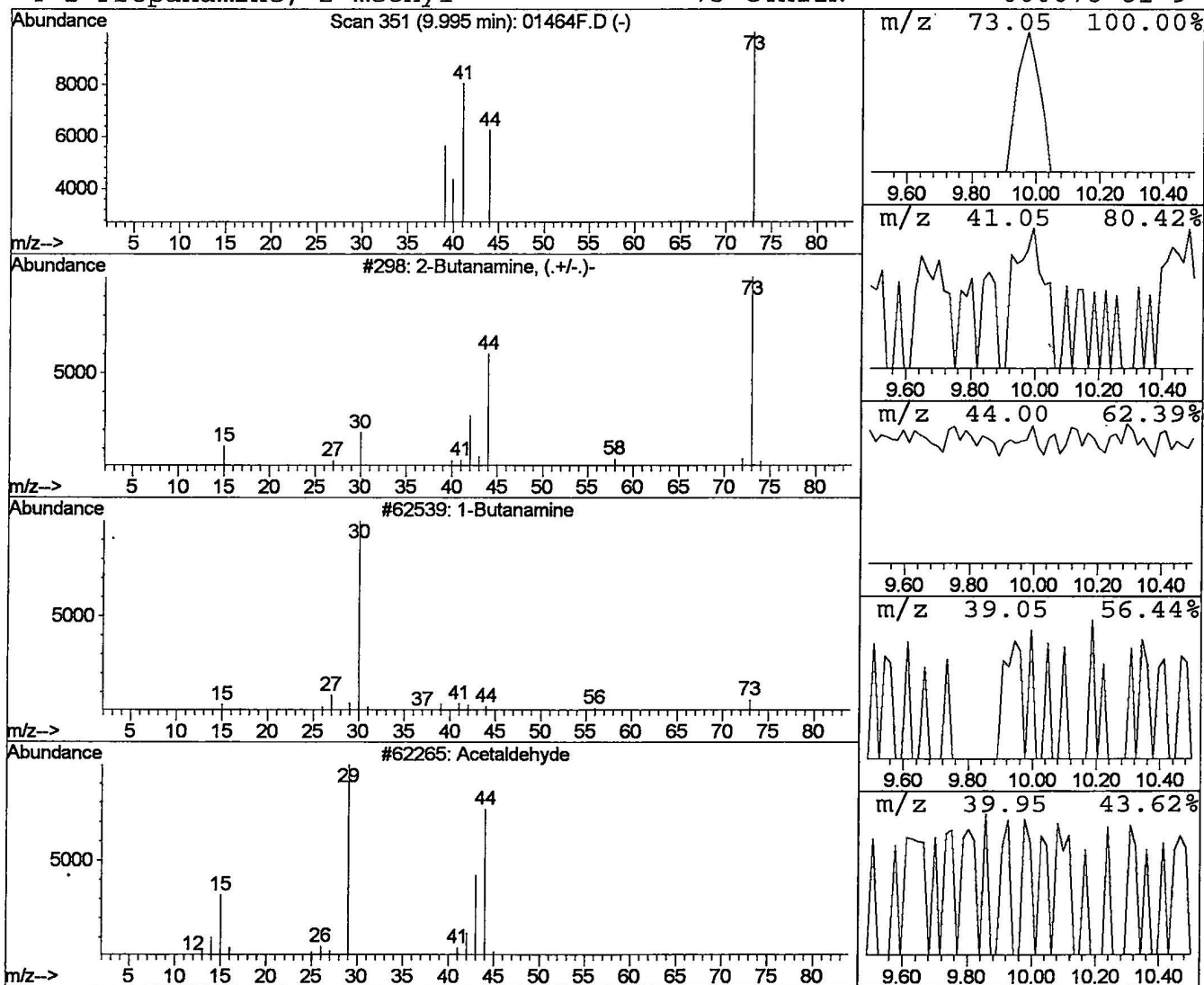
Vial: 5  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 2-Butanamine, (./-.)- Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T.  |
|------|-----------|-------|---------------------|-------|
| 9.99 | 0.04 ug/L | 32990 | 1,4-DIFLUOROBENZENE | 15.16 |

| Hit# of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|---------|---|--------------------------|----|---------|-------------|------|
| 1       |   | 2-Butanamine, (./-.)-    | 73 | C4H11N  | 033966-50-6 | 4    |
| 2       |   | 1-Butanamine             | 73 | C4H11N  | 000109-73-9 | 4    |
| 3       |   | Acetaldehyde             | 44 | C2H4O   | 000075-07-0 | 4    |
| 4       |   | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 4    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D  
 Acq On : 1 Feb 2002 12:13 pm  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

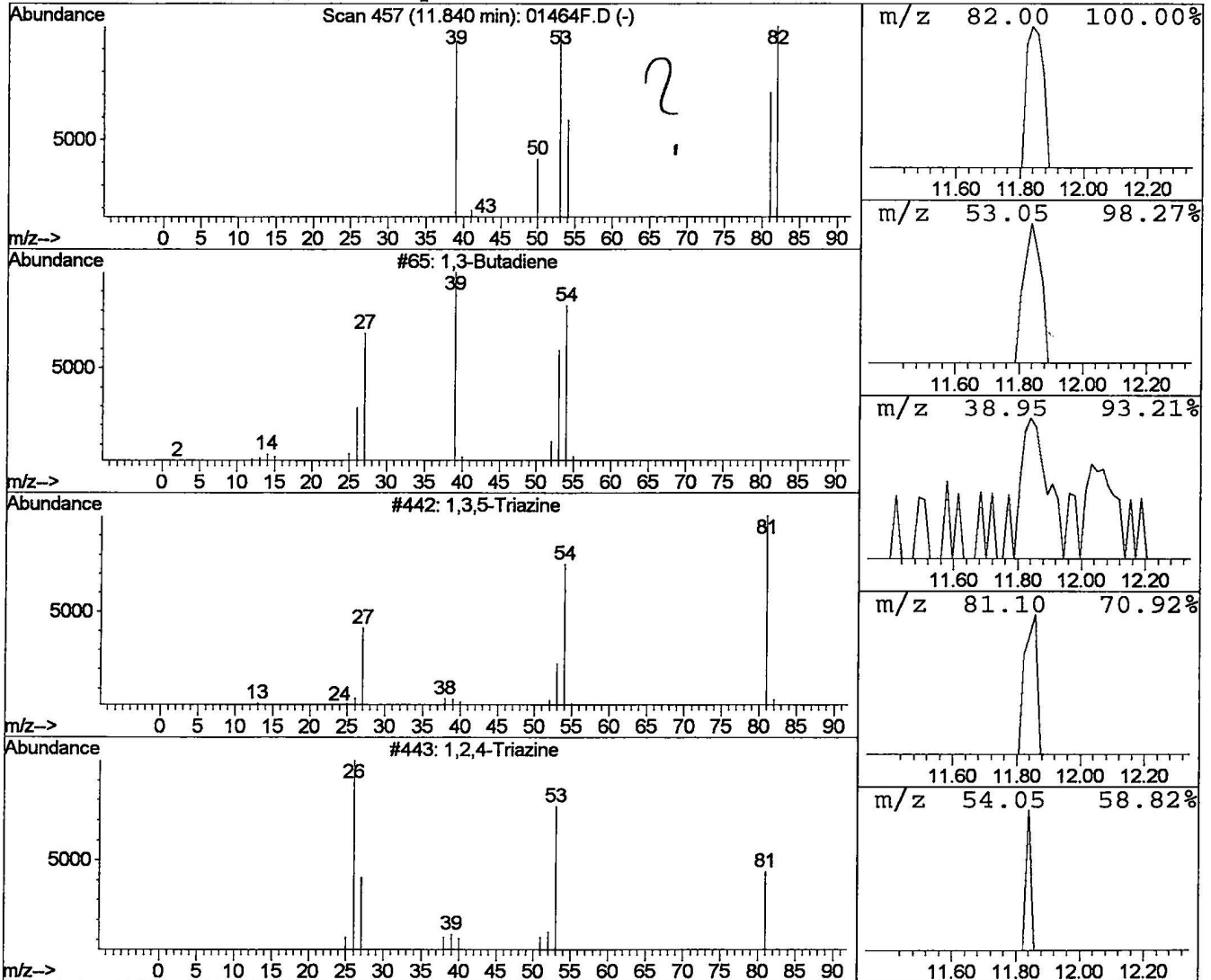
Vial: 5  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 1,3-Butadiene Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 11.84 | 0.04 ug/L | 36372 | 1,4-DIFLUOROBENZENE | 15.16 |

| Hit# | of | 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|----|---------|-------------|------|
| 1    |    |   | 1,3-Butadiene               | 54 | C4H6    | 000106-99-0 | 7    |
| 2    |    |   | 1,3,5-Triazine              | 81 | C3H3N3  | 000290-87-9 | 5    |
| 3    |    |   | 1,2,4-Triazine              | 81 | C3H3N3  | 000290-38-0 | 4    |
| 4    |    |   | Butanenitrile, 2-methylene- | 81 | C5H7N   | 001647-11-6 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D

Acq On : 1 Feb 2002 12:13 pm

Sample : nyc fb

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 5

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

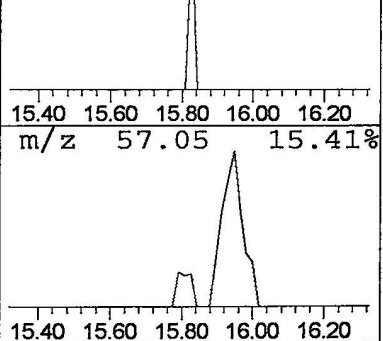
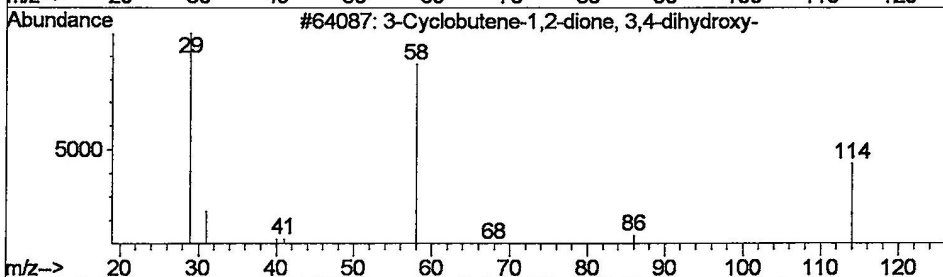
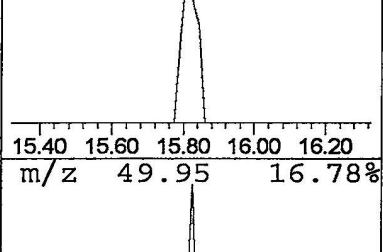
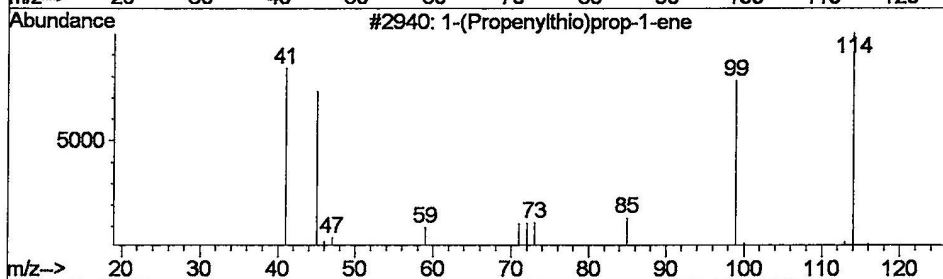
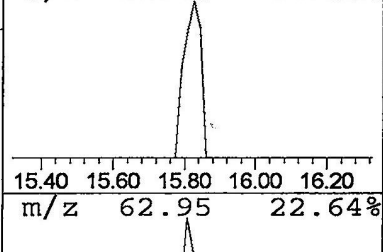
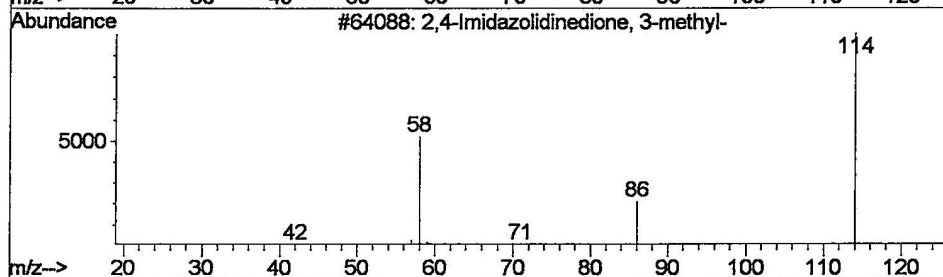
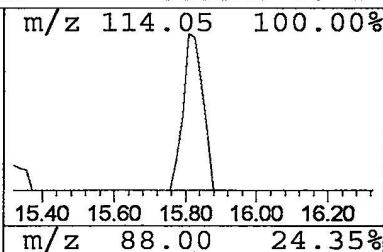
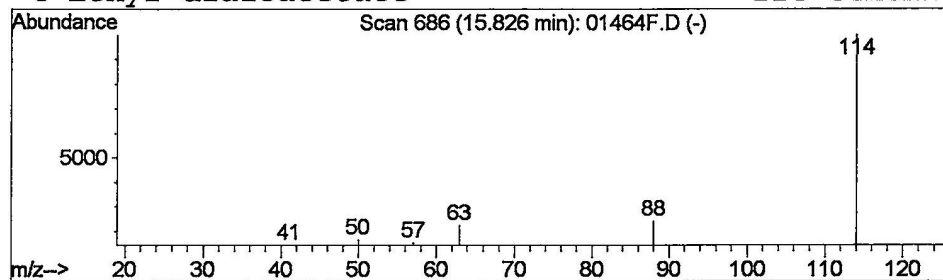
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.83 | 0.05 ug/L | 46220 | 1,4-DIFLUOROBENZENE | 15.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D  
 Acq On : 1 Feb 2002 12:13 pm  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

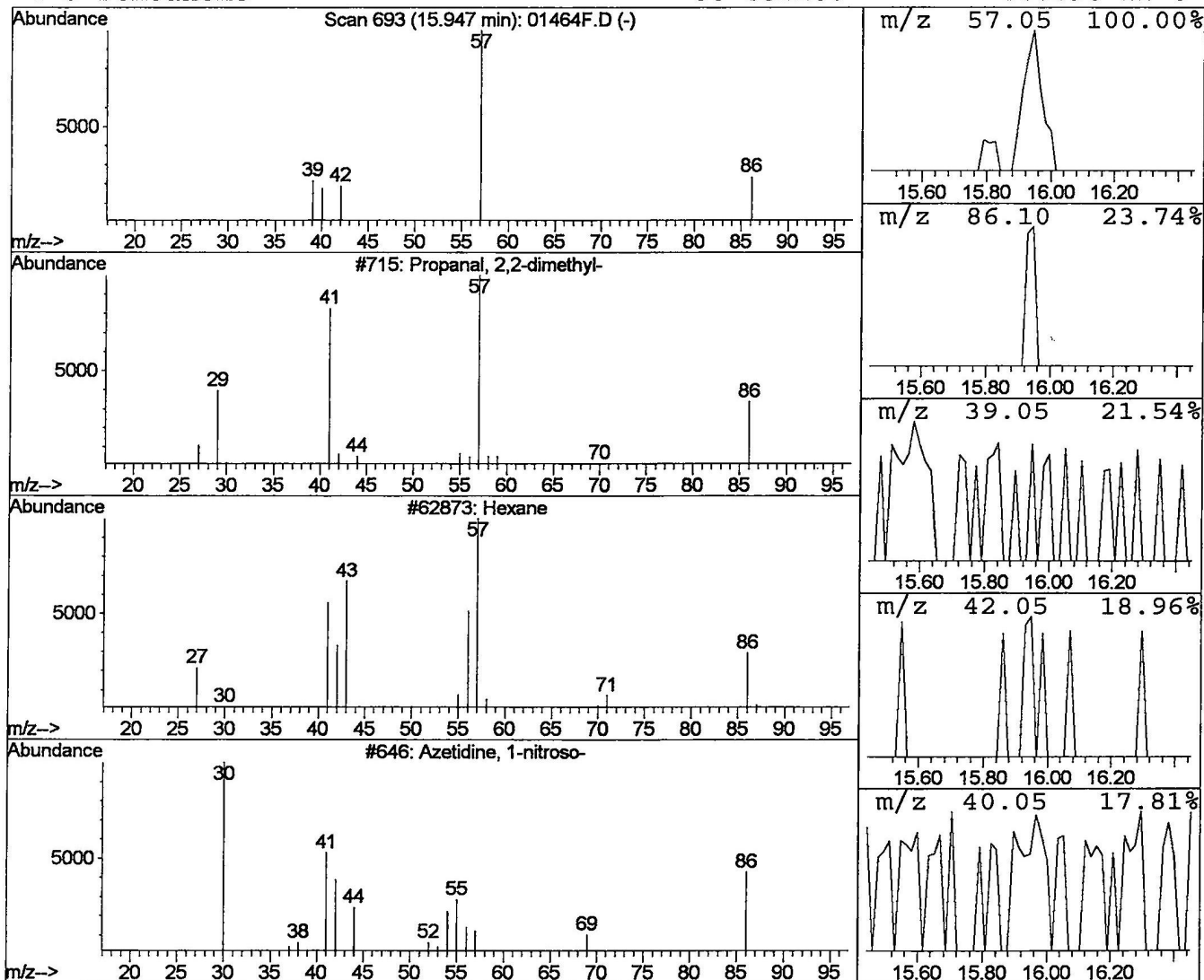
Vial: 5  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Propanal, 2,2-dimethyl- Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.95 | 0.03 ug/L | 26450 | 1,4-DIFLUOROBENZENE | 15.16 |

| Hit# of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|---------|---|-------------------------|----|---------|-------------|------|
| 1       |   | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 4    |
| 2       |   | Hexane                  | 86 | C6H14   | 000110-54-3 | 4    |
| 3       |   | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 4    |
| 4       |   | 3-Pentanone             | 86 | C5H10O  | 000096-22-0 | 4    |



Data File : C:\HPCHEM\1\DATA\02FEB01\01464F.D  
 Acq On : 1 Feb 2002 12:13 pm  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

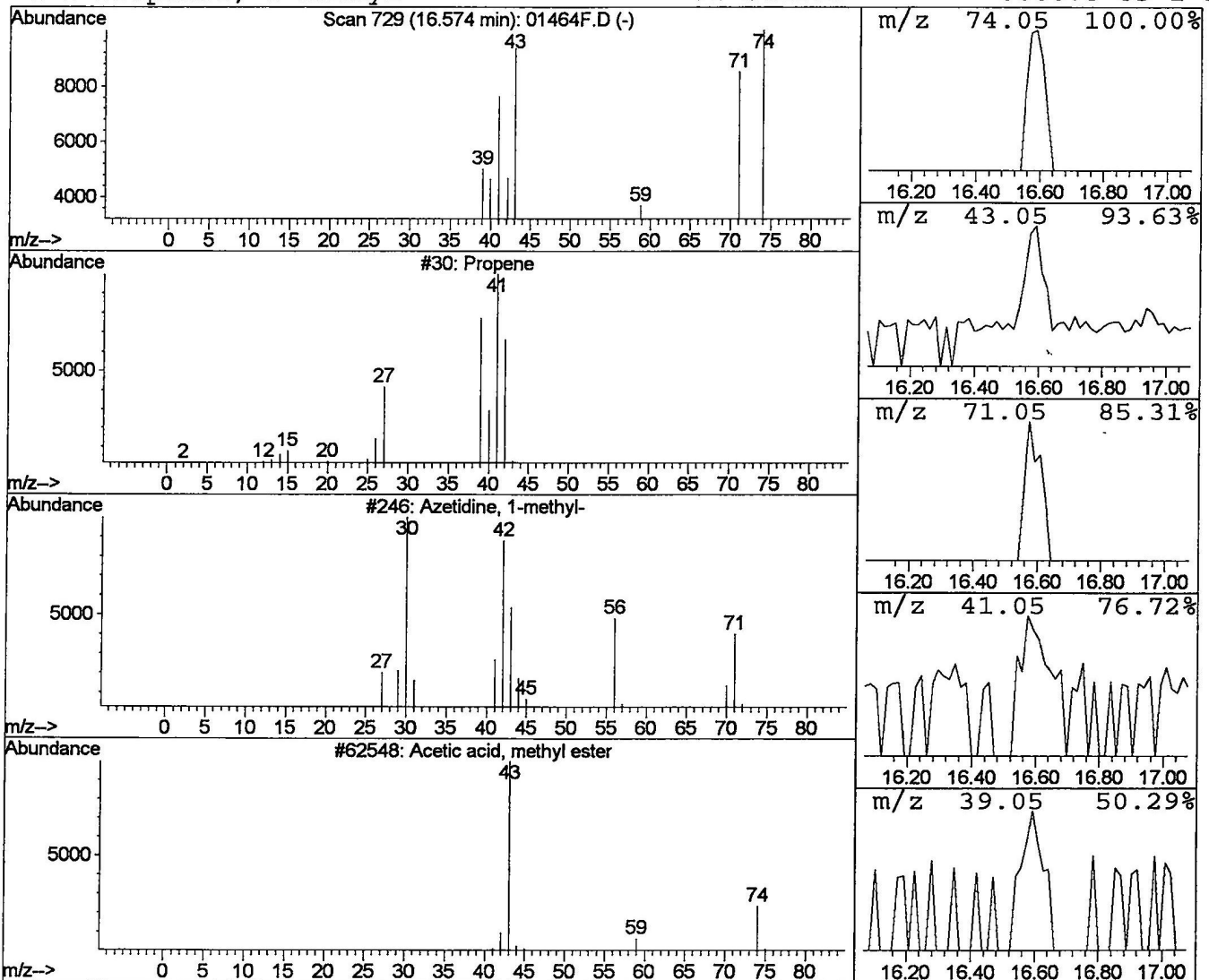
Vial: 5  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Propene Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.57 | 0.06 ug/L | 54791 | 1,4-DIFLUOROBENZENE | 15.16 |

| Hit# of | 5                         | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|---------------------------|--------------|----|---------|-------------|------|
| 1       | Propene                   |              | 42 | C3H6    | 000115-07-1 | 9    |
| 2       | Azetidine, 1-methyl-      |              | 71 | C4H9N   | 004923-79-9 | 5    |
| 3       | Acetic acid, methyl ester |              | 74 | C3H6O2  | 000079-20-9 | 5    |
| 4       | 1-Propanol, 2-methyl-     |              | 74 | C4H10O  | 000078-83-1 | 5    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:21:50

Sample: AE01462  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.9    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 5.0    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.0    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

*acetone in FB-45*

REVIEWED BY QV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:21:50

Sample: AE01462  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |



Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D

Vial: 6

Acq On : 1 Feb 2002 1:52 pm

Operator: 201-wb

Sample : nyc

Inst : GC/MS Ins

Misc : February 1, 2002

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Feb 4 10:10 2002

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Fri Feb 01 13:18:32 2002

Response via : Initial Calibration

DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.17 | 114  | 1576332  | 5.00  | ug/L   | 0.05     |
| 24) CHLOROBENZENE-D5        | 21.83 | 117  | 1600148  | 5.00  | ug/L   | 0.07     |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 749458   | 5.00  | ug/L   | 0.07     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.40 | 65   | 665422   | 4.87  | ug/L   | 0.05     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 97.40% |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.43 | 174  | 600079   | 4.96  | ug/L   | 0.07     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 99.20% |          |
| 25) TOLUENE-D8              | 18.52 | 98   | 1976987  | 4.95  | ug/L   | 0.05     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 99.00% |          |
| Target Compounds            |       |      |          |       |        |          |
| 12) ACETONE                 | 8.31  | 43   | 171516   | 20.17 | ug/L   | 95       |
| 14) METHYLENE CHLORIDE      | 9.67  | 49   | 45111    | 0.62  | ug/L   | 96       |
| 18) 2-BUTANONE (MEK)        | 12.07 | 43   | 82451    | 4.13  | ug/L   | 93       |
| 46) 2-HEXANONE              | 19.27 | 43   | 3384     | 0.12  | ug/L   | 30       |
| 66) 1,4-DICHLOROBENZENE     | 27.09 | 146  | 18006    | 0.15  | ug/L   | 95       |

(#) = qualifier out of range (m) = manual integration

01462.D HP013102.M

Mon Feb 04 10:11:29 2002

Page 1

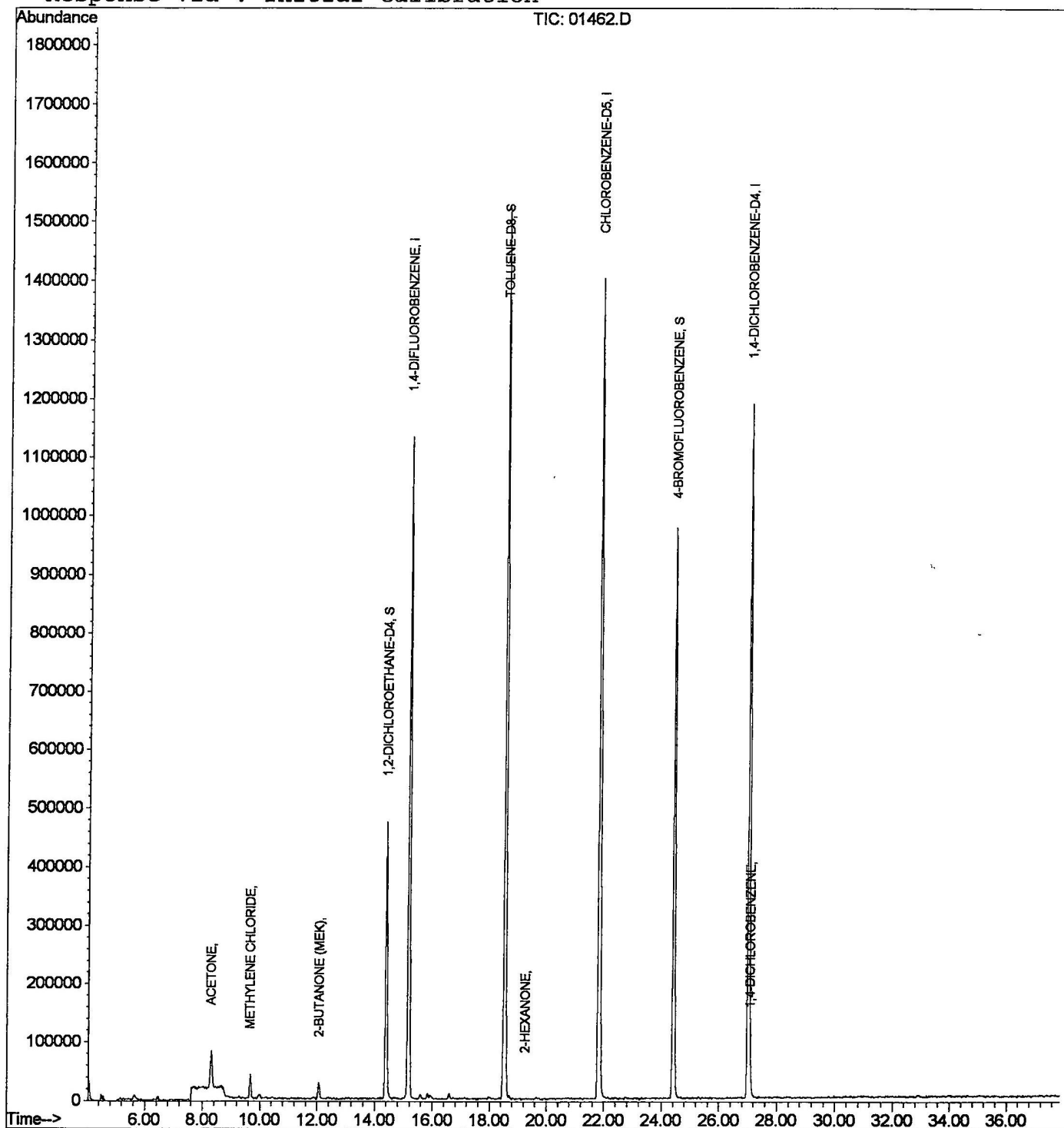
QUANTIFICATION REPORT

Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D  
 Acq On : 1 Feb 2002 1:52 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:10 2002

Vial: 6  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D  
 Acq On : 1 Feb 2002 1:52 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

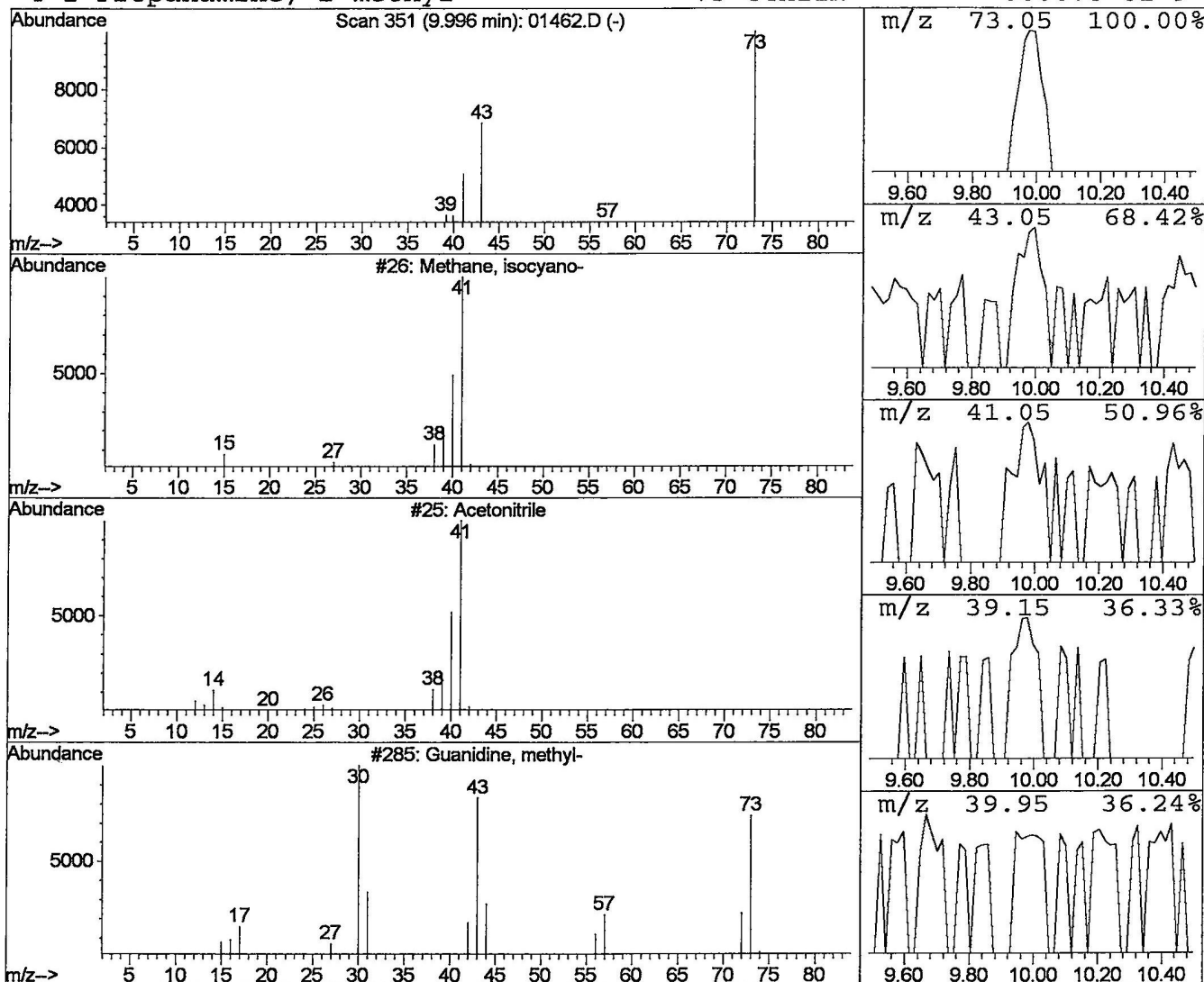
Vial: 6  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Methane, isocyano- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 10.00 | 0.04 ug/L | 37892 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|---------|---|--------------------------|----|---------|-------------|------|
| 1       |   | Methane, isocyano-       | 41 | C2H3N   | 000593-75-9 | 4    |
| 2       |   | Acetonitrile             | 41 | C2H3N   | 000075-05-8 | 4    |
| 3       |   | Guanidine, methyl-       | 73 | C2H7N3  | 000471-29-4 | 3    |
| 4       |   | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 3    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D  
Acq On : 1 Feb 2002 1:52 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

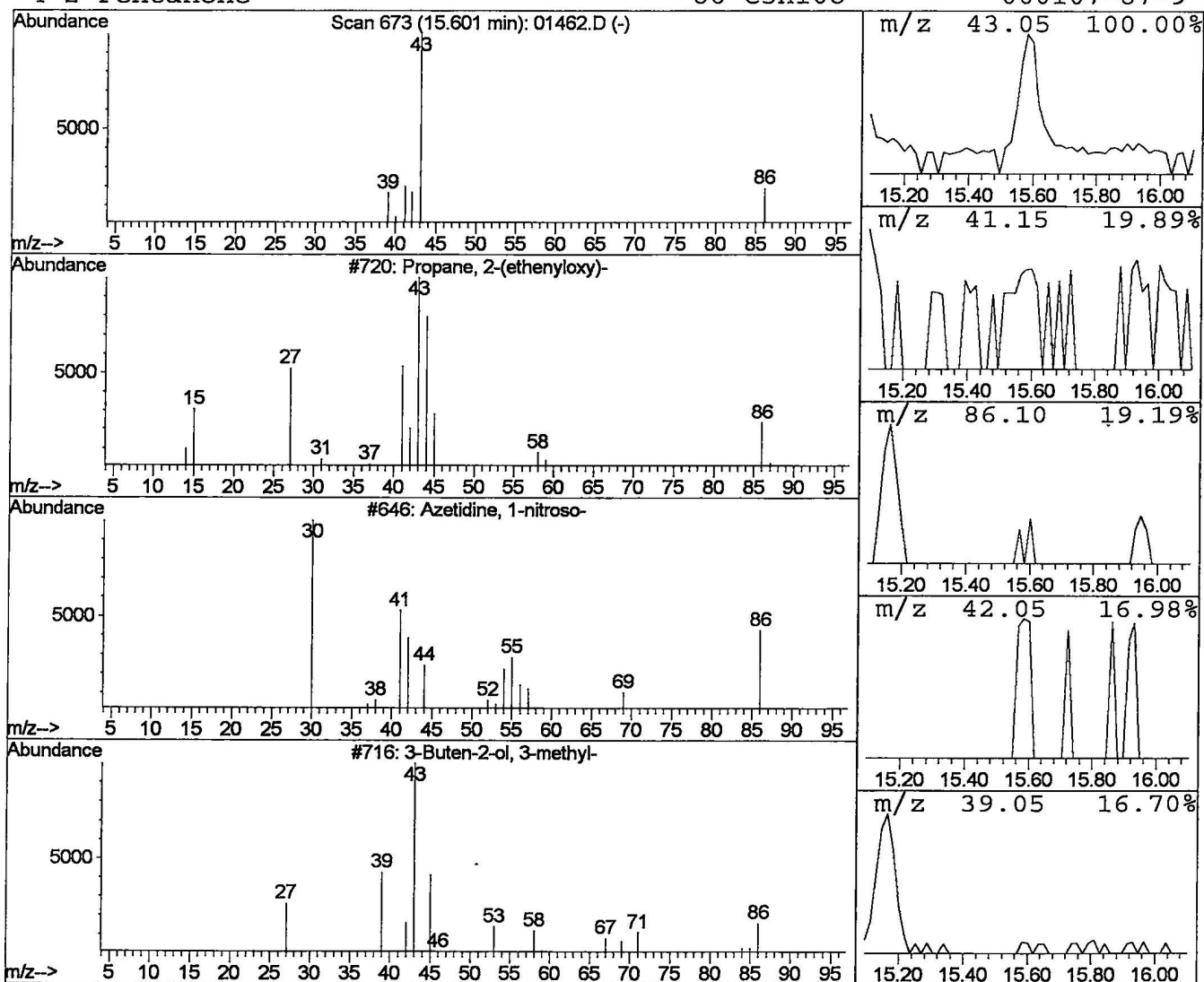
Vial: 6  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 Propane, 2-(ethenyloxy)- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.60 | 0.04 ug/L | 38160 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|-----------|--------------------------|----|---------|-------------|------|
| 1         | Propane, 2-(ethenyloxy)- | 86 | C5H10O  | 000926-65-8 | 7    |
| 2         | Azetidine, 1-nitroso-    | 86 | C3H6N2O | 015216-10-1 | 5    |
| 3         | 3-Buten-2-ol, 3-methyl-  | 86 | C5H10O  | 010473-14-0 | 5    |
| 4         | 2-Pentanone              | 86 | C5H10O  | 000107-87-9 | 5    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D  
Acq On : 1 Feb 2002 1:52 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

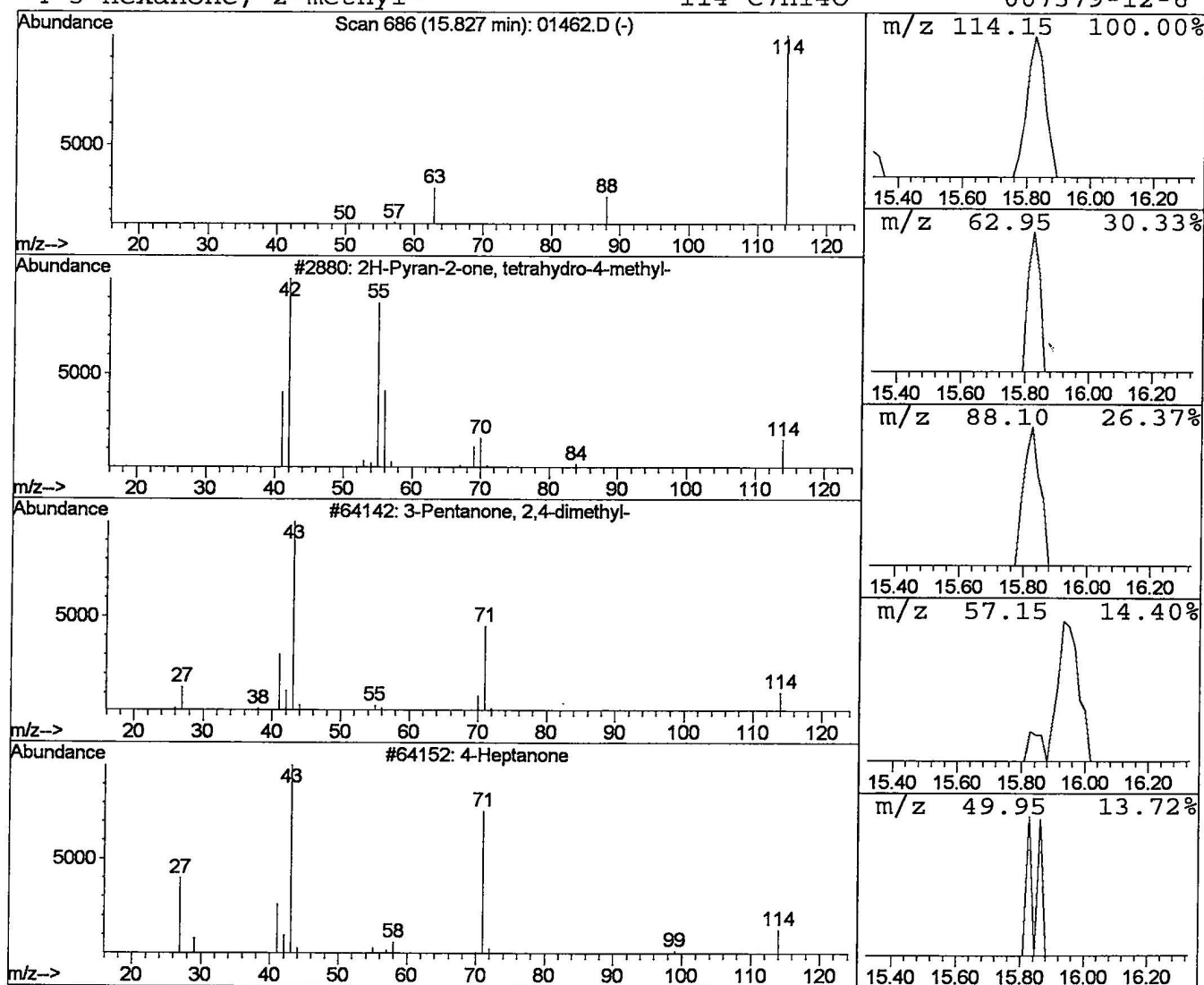
Vial: 6  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 2H-Pyran-2-one, tetrahydro-4-m Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.83 | 0.04 ug/L | 37925 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of | 5                                   | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|---------|-------------|------|------|
| 1       | 2H-Pyran-2-one, tetrahydro-4-methyl | 114          | C6H10O2 | 001121-84-2 | 3    |      |
| 2       | 3-Pentanone, 2,4-dimethyl-          | 114          | C7H14O  | 000565-80-0 | 3    |      |
| 3       | 4-Heptanone                         | 114          | C7H14O  | 000123-19-3 | 3    |      |
| 4       | 3-Hexanone, 2-methyl-               | 114          | C7H14O  | 007379-12-6 | 3    |      |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D  
 Acq On : 1 Feb 2002 1:52 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

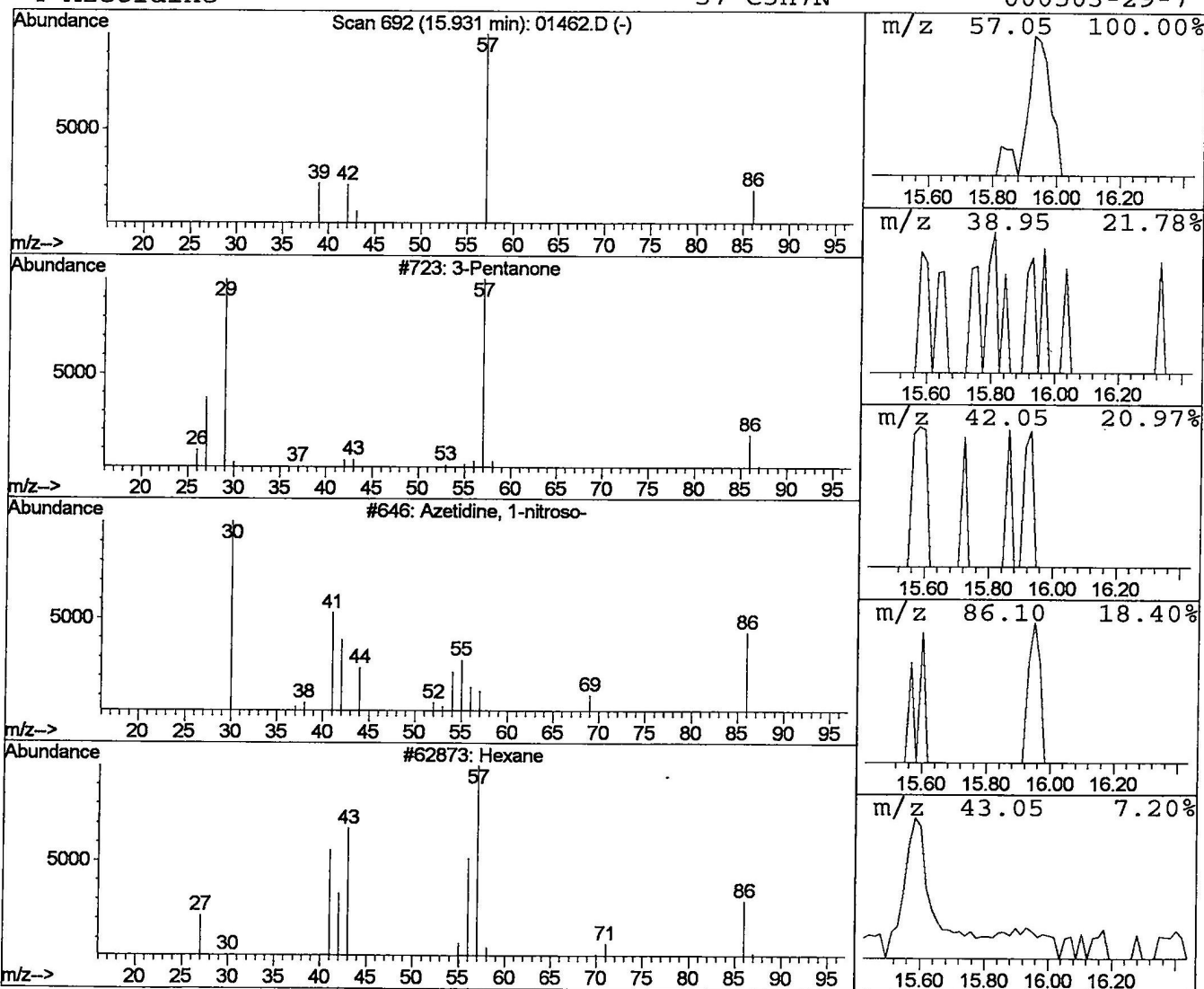
Vial: 6  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 3-Pentanone Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.93 | 0.04 ug/L | 34042 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|---------|---|-----------------------|----|---------|-------------|------|
| 1       |   | 3-Pentanone           | 86 | C5H10O  | 000096-22-0 | 5    |
| 2       |   | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 4    |
| 3       |   | Hexane                | 86 | C6H14   | 000110-54-3 | 4    |
| 4       |   | Azetidine             | 57 | C3H7N   | 000503-29-7 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01462.D  
 Acq On : 1 Feb 2002 1:52 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

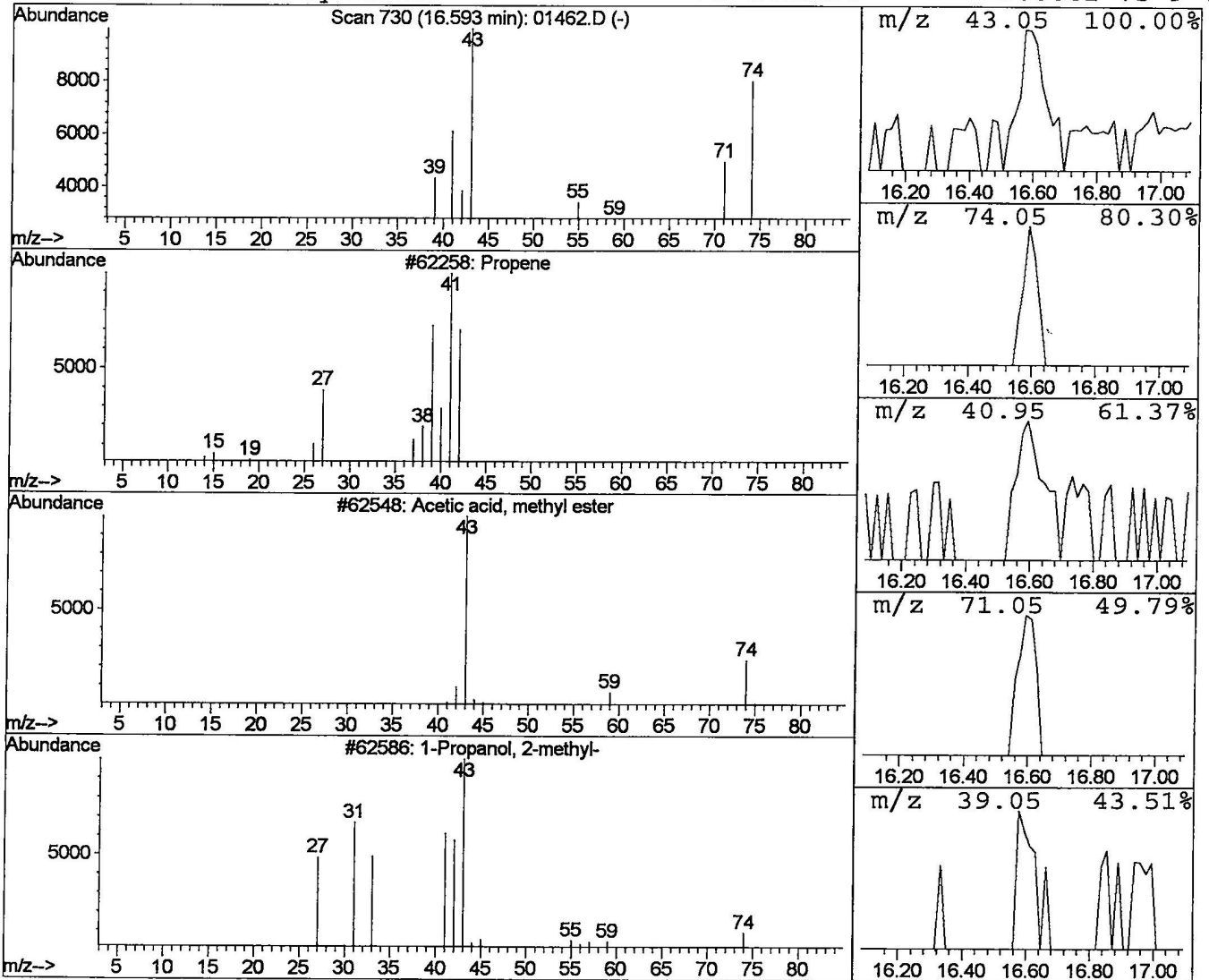
Vial: 6  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Propene Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.59 | 0.05 ug/L | 44052 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of | 5                         | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|---------------------------|--------------|----|---------|-------------|------|
| 1       | Propene                   |              | 42 | C3H6    | 000115-07-1 | 7    |
| 2       | Acetic acid, methyl ester |              | 74 | C3H6O2  | 000079-20-9 | 5    |
| 3       | 1-Propanol, 2-methyl-     |              | 74 | C4H10O  | 000078-83-1 | 5    |
| 4       | N-Nitrosodimethylamine    |              | 74 | C2H6N2O | 000062-75-9 | 4    |

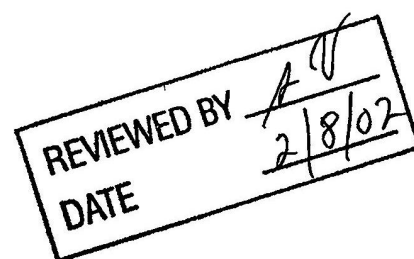


User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:22:05

Sample: AE01463  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 5.0    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.9    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.0    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

*acetone in FB - 45*





User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:22:05

Sample: AE01463  
Analysis: §524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D

Acq On : 1 Feb 2002 2:35 pm

Sample : nyc

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Quant Time: Feb 4 10:13 2002

Vial: 7

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Fri Feb 01 13:18:32 2002

Response via : Initial Calibration

DataAcq Meth : HP013102

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 15.18 | 114  | 1641255  | 5.00 | ug/L  | 0.07     |
| 24) CHLOROBENZENE-D5       | 21.85 | 117  | 1631951  | 5.00 | ug/L  | 0.09     |
| 52) 1,4-DICHLOROBENZENE-D4 | 27.04 | 152  | 768717   | 5.00 | ug/L  | 0.09     |

## System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 14.42 | 65  | 706174   | 4.97 | ug/L    | 0.07 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 99.40%  |      |
| 3) 4-BROMOFLUOROBENZENE  | 24.44 | 174 | 621685   | 4.94 | ug/L    | 0.09 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 98.80%  |      |
| 25) TOLUENE-D8           | 18.54 | 98  | 2040108  | 5.01 | ug/L    | 0.07 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 100.20% |      |

## Target Compounds

|                             |       |    |        |       | Qvalue  |
|-----------------------------|-------|----|--------|-------|---------|
| 12) ACETONE                 | 8.33  | 43 | 299204 | 33.79 | ug/L 98 |
| 14) METHYLENE CHLORIDE      | 9.70  | 49 | 51551  | 0.68  | ug/L 99 |
| 15) METHYL TERT BUTYL ETHER | 10.00 | 73 | 10108  | 0.11  | ug/L 79 |
| 18) 2-BUTANONE (MEK)        | 12.08 | 43 | 80882  | 3.89  | ug/L 95 |
| 46) 2-HEXANONE              | 19.29 | 43 | 9723   | 0.35  | ug/L 30 |

-----  
(#) = qualifier out of range (m) = manual integration

01463.D HP013102.M

Mon Feb 04 10:13:43 2002

Page 1

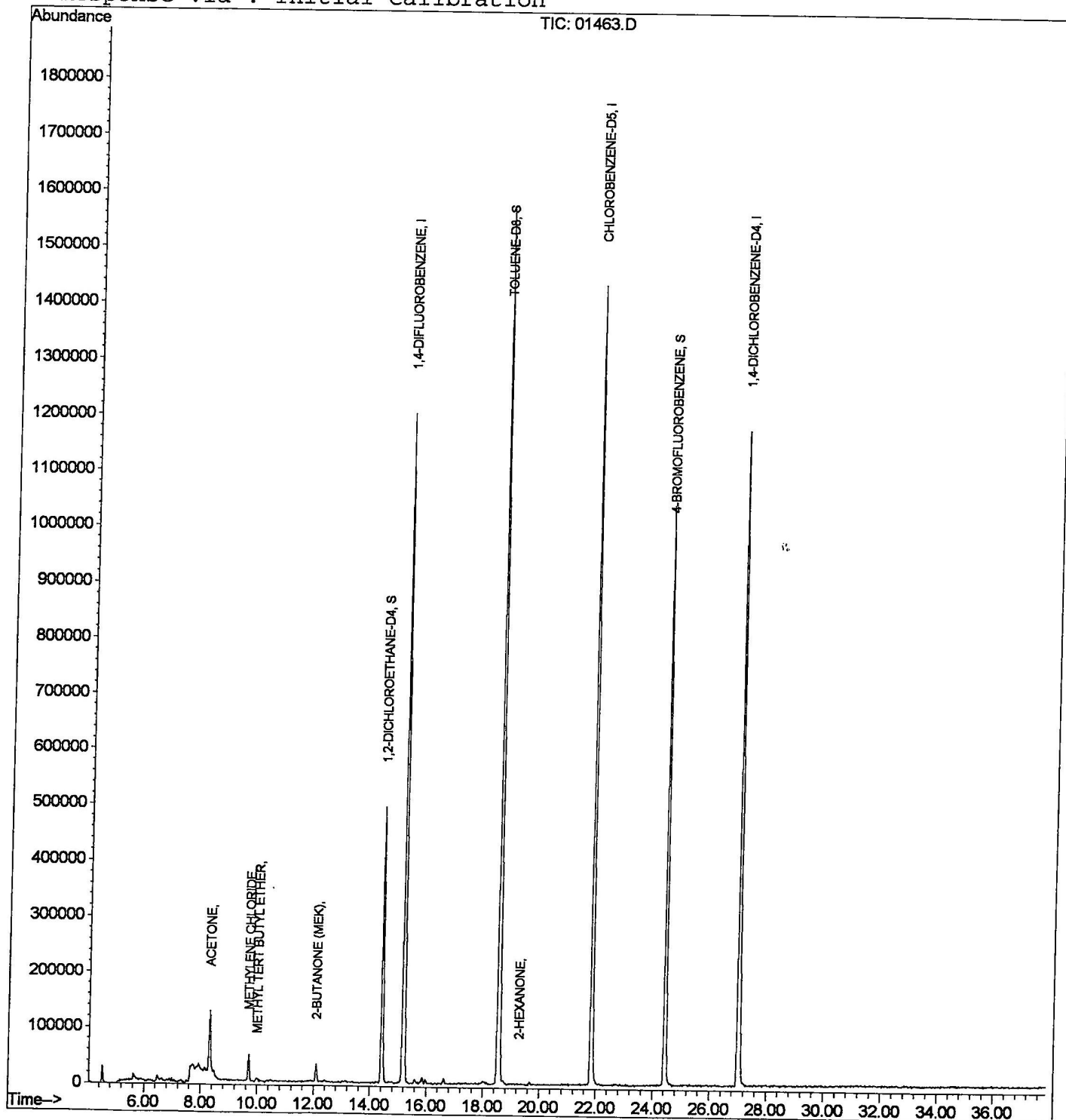
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D  
Acq On : 1 Feb 2002 2:35 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:13 2002

Vial: 7  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



01463.D HP013102.M

Mon Feb 04 10:13:47 2002

Page 2

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D  
 Acq On : 1 Feb 2002 2:35 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

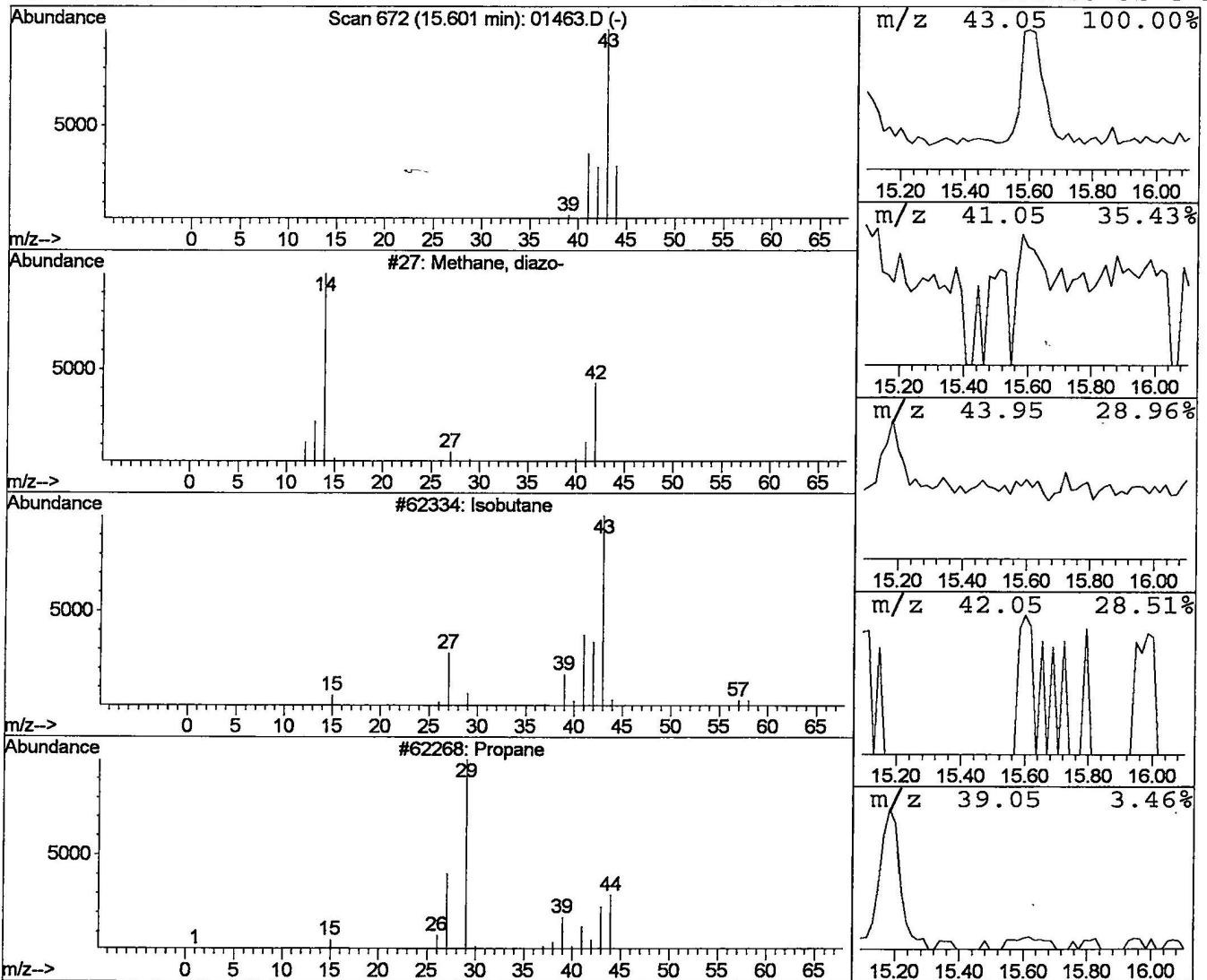
Vial: 7  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Methane, diazo- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.60 | 0.03 ug/L | 28745 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|-----------|-----------------|----|---------|-------------|------|
| 1         | Methane, diazo- | 42 | CH2N2   | 000334-88-3 | 3    |
| 2         | Isobutane       | 58 | C4H10   | 000075-28-5 | 2    |
| 3         | Propane         | 44 | C3H8    | 000074-98-6 | 2    |
| 4         | Ethenone        | 42 | C2H2O   | 000463-51-4 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D  
Acq On : 1 Feb 2002 2:35 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

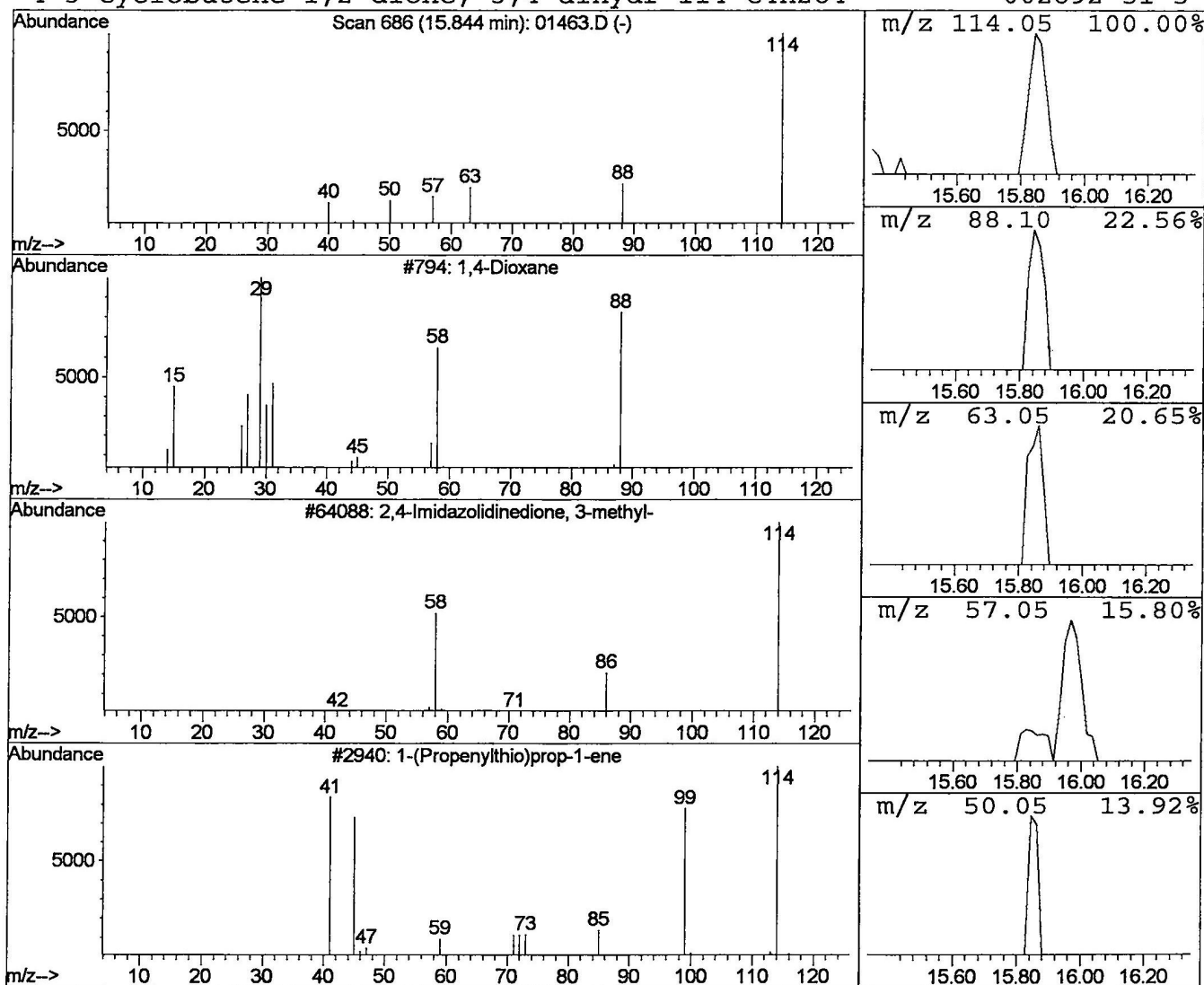
Vial: 7  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 1,4-Dioxane Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.05 ug/L | 48802 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm                                                     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------------------------------------------------------|-------------|------|
| 1    |    |   | 1,4-Dioxane                         | 88  | C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>                | 000123-91-1 | 3    |
| 2    |    |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub> | 006843-45-4 | 3    |
| 3    |    |   | 1-(Propenylthio)prop-1-ene          | 114 | C <sub>6</sub> H <sub>10</sub> S                            | 000000-00-0 | 3    |
| 4    |    |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C <sub>4</sub> H <sub>2</sub> O <sub>4</sub>                | 002892-51-5 | 2    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D  
 Acq On : 1 Feb 2002 2:35 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

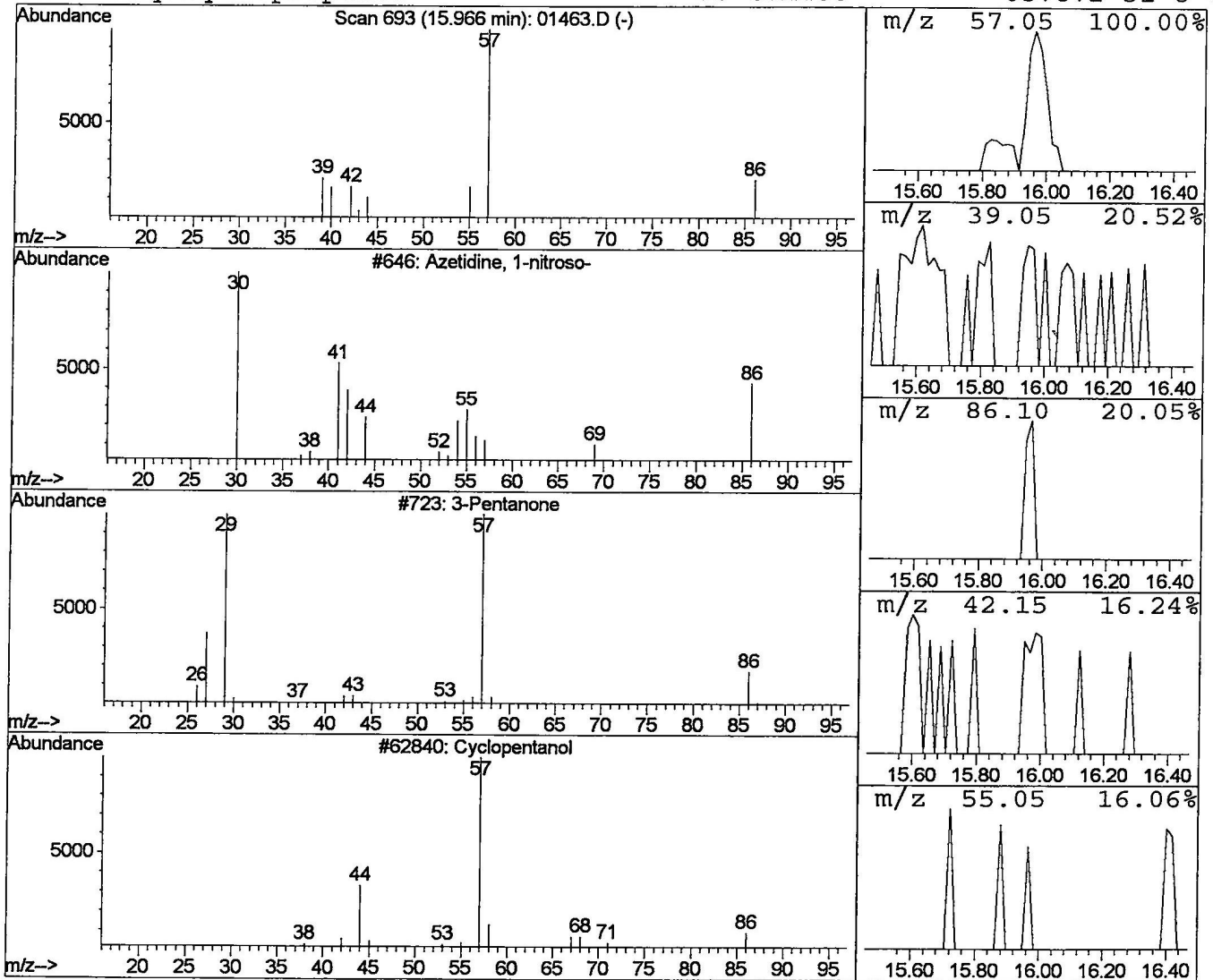
Vial: 7  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Azetidine, 1-nitroso- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.97 | 0.04 ug/L | 33218 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------|----|---------|-------------|------|
| 1    | 5  | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 9    |
| 2    |    | 3-Pentanone           | 86 | C5H10O  | 000096-22-0 | 5    |
| 3    |    | Cyclopentanol         | 86 | C5H10O  | 000096-41-3 | 4    |
| 4    |    | 1-Ethylcyclopropanol  | 86 | C5H10O  | 057872-31-8 | 4    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D  
 Acq On : 1 Feb 2002 2:35 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

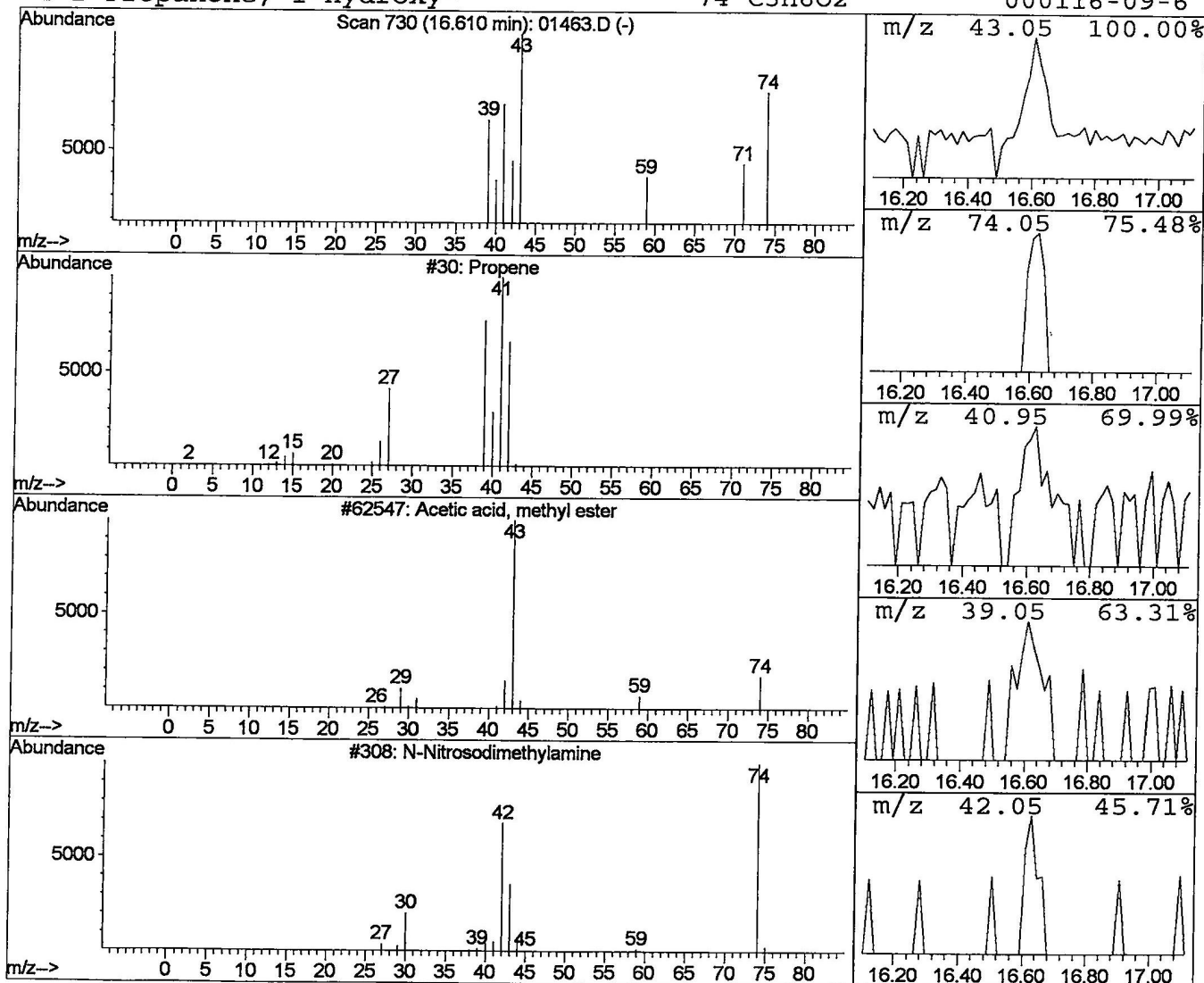
Vial: 7  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Propene Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.61 | 0.05 ug/L | 46828 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5                         | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|---------------------------|--------------|----|---------|-------------|------|
| 1       | Propene                   |              | 42 | C3H6    | 000115-07-1 | 9    |
| 2       | Acetic acid, methyl ester |              | 74 | C3H6O2  | 000079-20-9 | 5    |
| 3       | N-Nitrosodimethylamine    |              | 74 | C2H6N2O | 000062-75-9 | 4    |
| 4       | 2-Propanone, 1-hydroxy-   |              | 74 | C3H6O2  | 000116-09-6 | 4    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01463.D  
Acq On : 1 Feb 2002 2:35 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

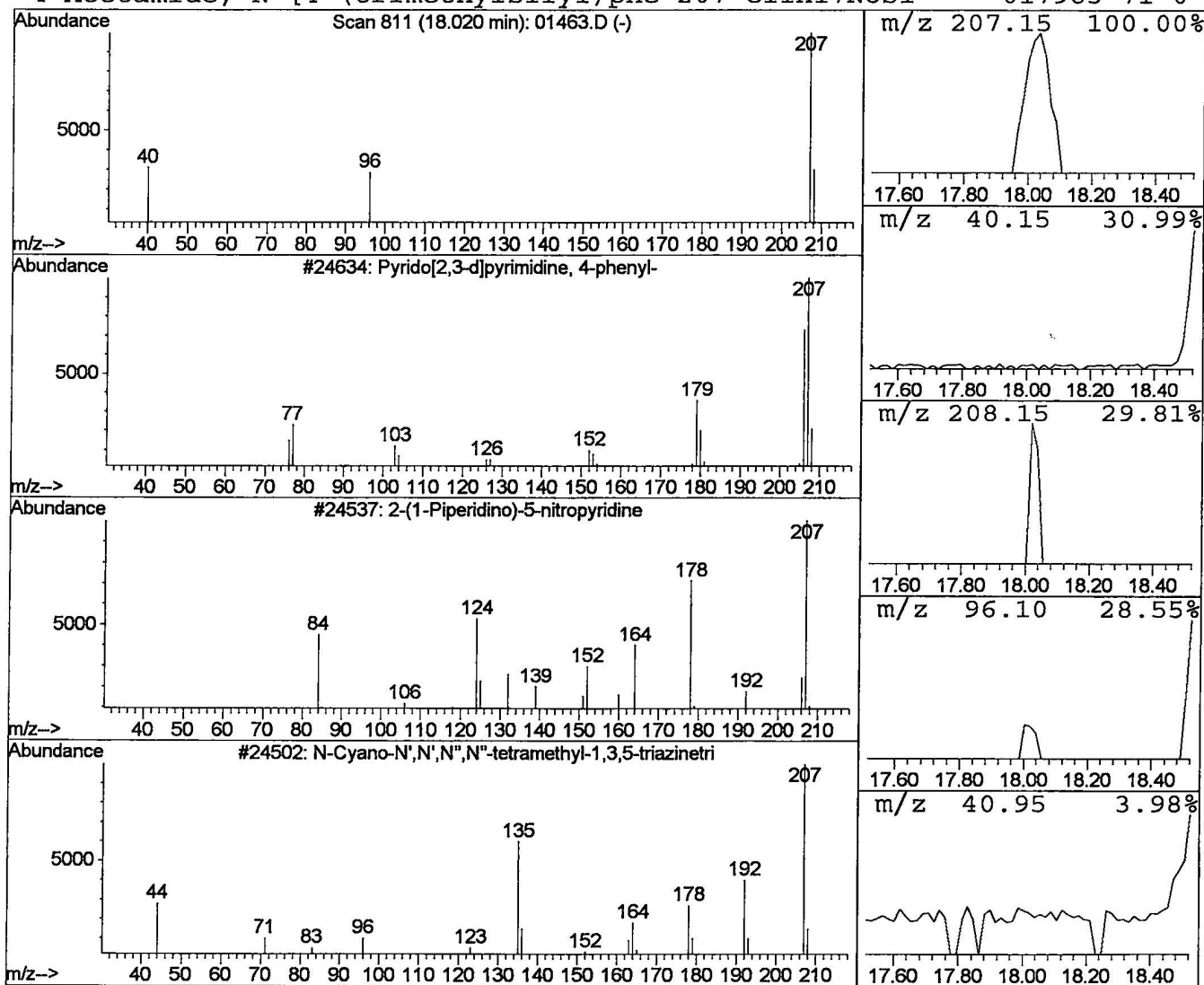
Vial: 7  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 Pyrido[2,3-d]pyrimidine, 4-phe Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 18.02 | 0.03 ug/L | 28668 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Pyrido[2,3-d]pyrimidine, 4-phenyl-   | 207 | C13H9N3    | 028732-75-4 | 5    |
| 2    |    | 2-(1-Piperidino)-5-nitropyridine     | 207 | C10H13N3O2 | 026820-61-1 | 2    |
| 3    |    | N-Cyano-N',N',N'',N'''-tetramethyl-1 | 207 | C8H13N7    | 074150-88-2 | 2    |
| 4    |    | Acetamide, N-[4-(trimethylsilyl)phe  | 207 | C11H17NOSi | 017983-71-0 | 2    |





User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:22:27

Sample: AE01640  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.6    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.7    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:22:27

Sample: AE01640  
Analysis: §524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D  
 Acq On : 1 Feb 2002 3:35 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:14 2002

Vial: 8  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.18 | 114  | 1510808  | 5.00 | ug/L    | 0.07      |
| 24) CHLOROBENZENE-D5        | 21.83 | 117  | 1451526  | 5.00 | ug/L    | 0.07      |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 690665   | 5.00 | ug/L    | 0.07      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.42 | 65   | 603820   | 4.62 | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =    | 92.40%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.42 | 174  | 543950   | 4.69 | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =    | 93.80%  |           |
| 25) TOLUENE-D8              | 18.54 | 98   | 1855061  | 5.12 | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =    | 102.40% |           |
| Target Compounds            |       |      |          |      |         |           |
| 12) ACETONE                 | 8.32  | 43   | 70569    | 8.66 | ug/L    | Qvalue 98 |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 23963    | 0.34 | ug/L    | 94        |
| 18) 2-BUTANONE (MEK)        | 12.07 | 43   | 74694    | 3.90 | ug/L    | 92        |
| 46) 2-HEXANONE              | 19.24 | 43   | 3313     | 0.13 | ug/L    | 30        |

(#) = qualifier out of range (m) = manual integration  
 01640.D HP013102.M Mon Feb 04 10:14:53 2002

Page 1

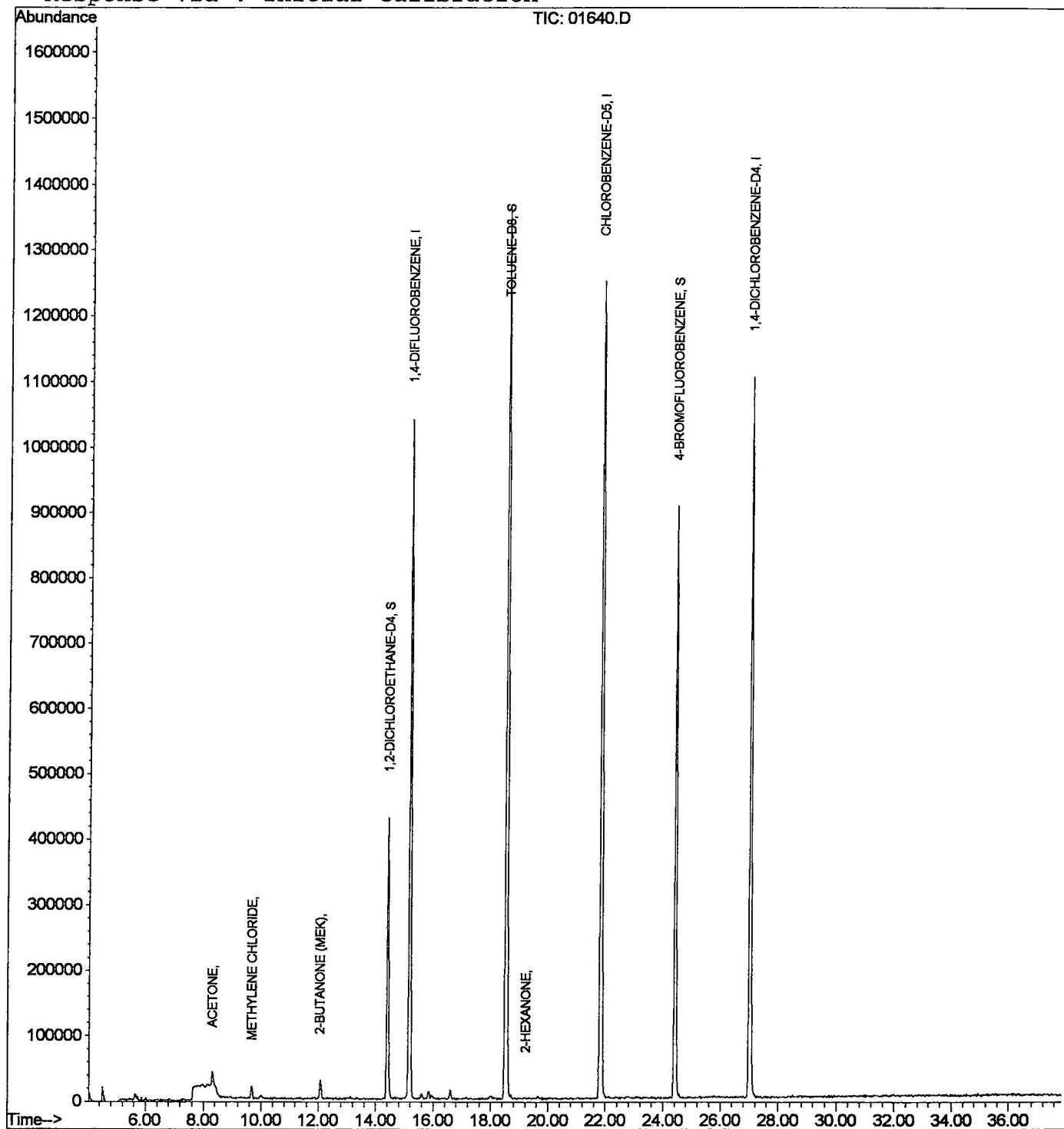
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D  
Acq On : 1 Feb 2002 3:35 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:14 2002

Vial: 8  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D  
Acq On : 1 Feb 2002 3:35 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

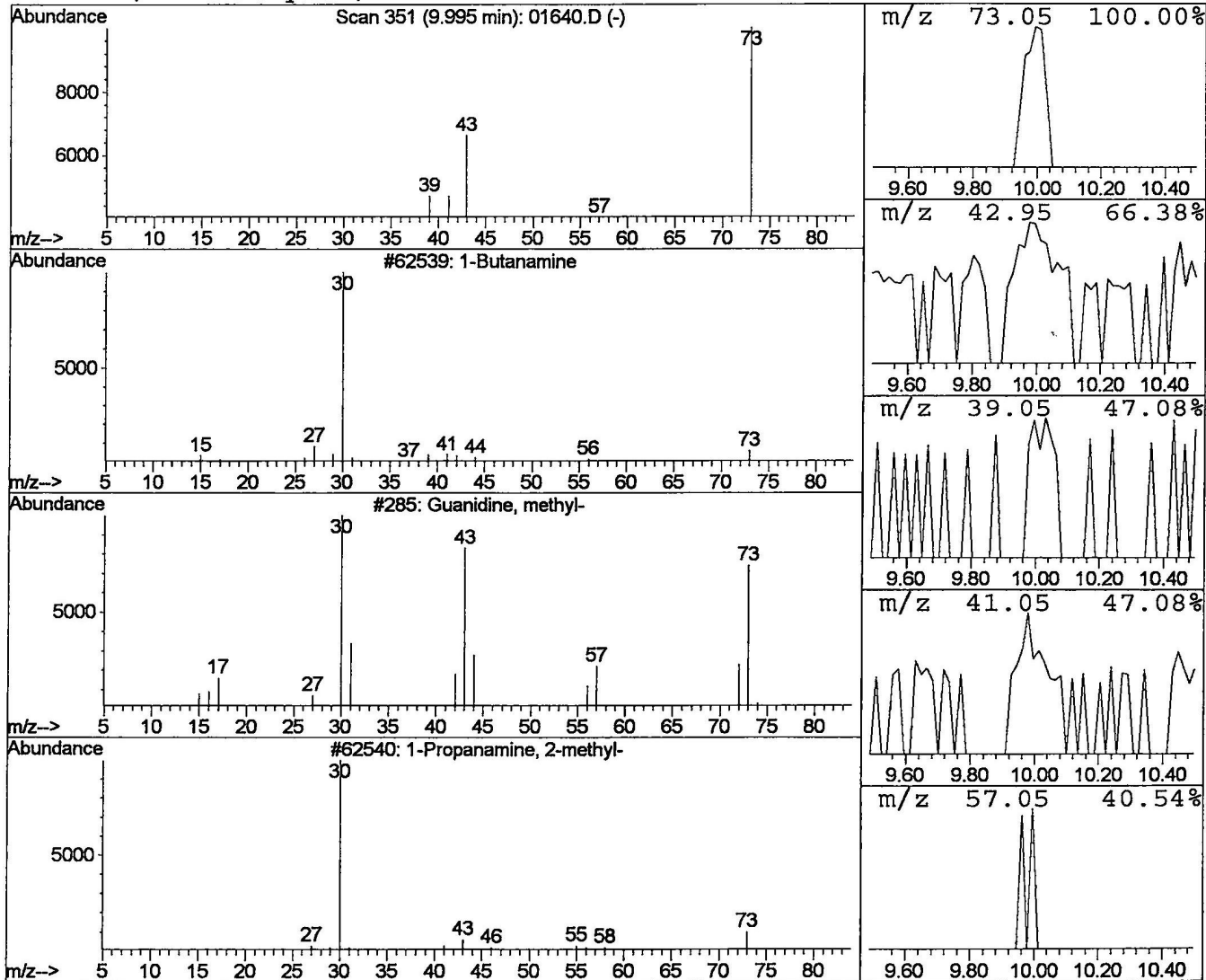
Vial: 8  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 1 1-Butanamine Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 10.00 | 0.04 ug/L | 36307 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Butanamine                   | 73  | C4H11N  | 000109-73-9 | 4    |
| 2    |    |   | Guanidine, methyl-             | 73  | C2H7N3  | 000471-29-4 | 3    |
| 3    |    |   | 1-Propanamine, 2-methyl-       | 73  | C4H11N  | 000078-81-9 | 3    |
| 4    |    |   | DL-3,4-Dimethyl-3,4-hexanediol | 146 | C8H18O2 | 032388-94-6 | 2    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D  
 Acq On : 1 Feb 2002 3:35 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

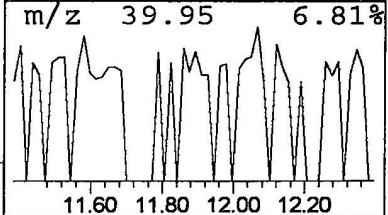
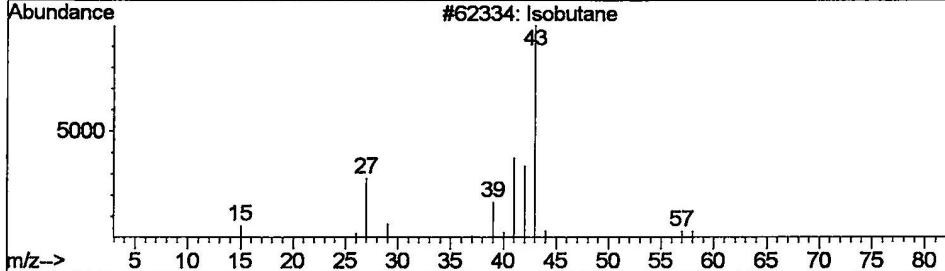
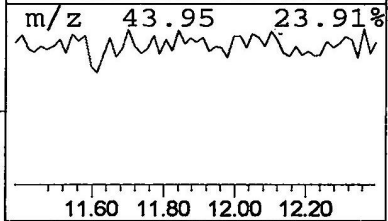
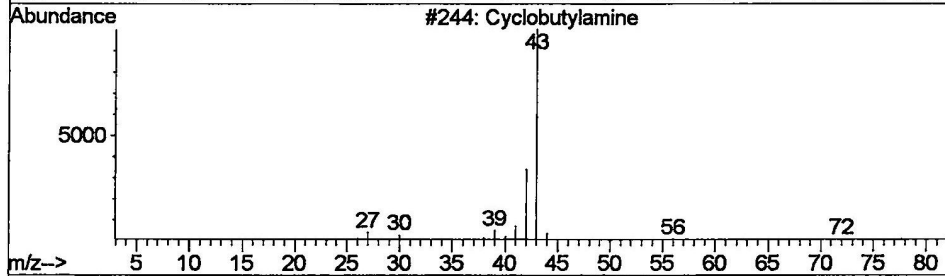
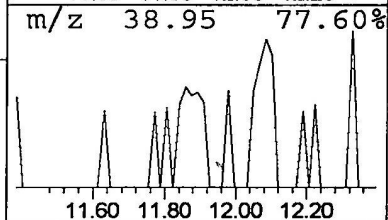
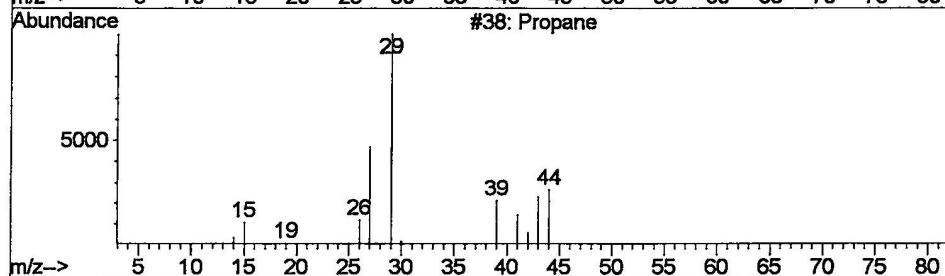
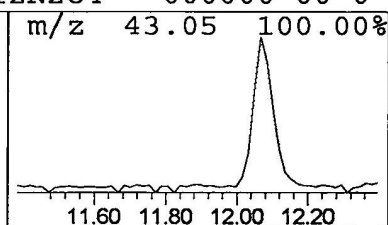
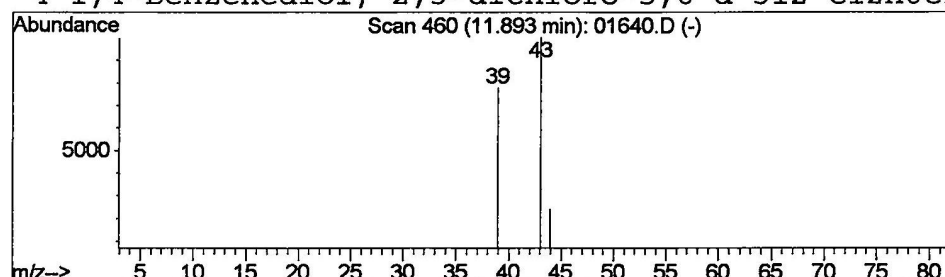
Vial: 8  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 Propane Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 11.89 | 0.02 ug/L | 12851 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|---------|---|-------------------------------------|-----|--------------|-------------|------|
| 1       |   | Propane                             | 44  | C3H8         | 000074-98-6 | 1    |
| 2       |   | Cyclobutylamine                     | 71  | C4H9N        | 002516-34-9 | 1    |
| 3       |   | Isobutane                           | 58  | C4H10        | 000075-28-5 | 1    |
| 4       |   | 1,4-Benzenediol, 2,3-dichloro-5,6-d | 312 | C12H6Cl2N2O4 | 000000-00-0 | 1    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D

Acq On : 1 Feb 2002 3:35 pm

Sample : nyc

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 8

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

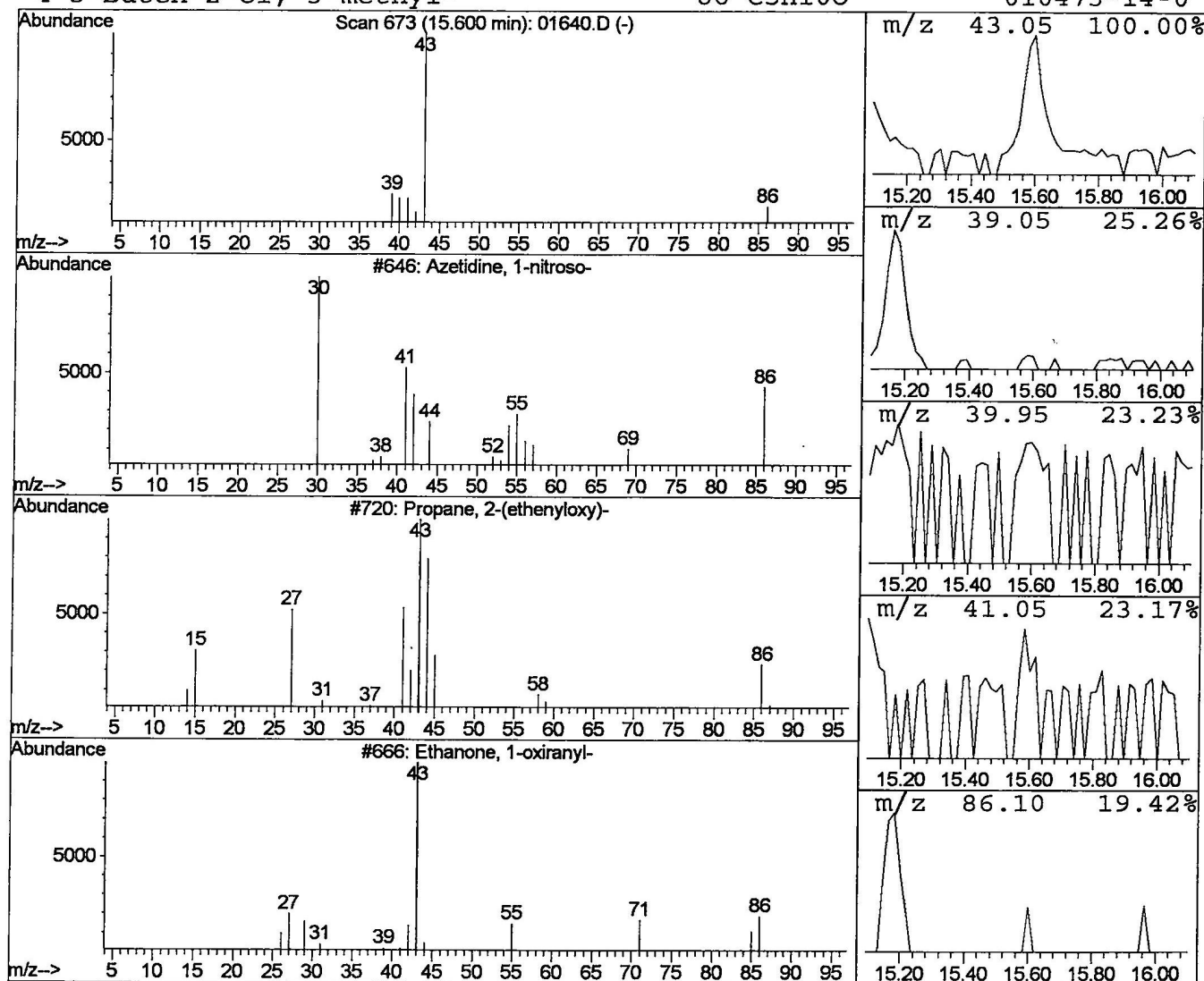
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Azetidine, 1-nitroso- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.60 | 0.04 ug/L | 36121 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Azetidine, 1-nitroso-    | 86 | C3H6N2O | 015216-10-1 | 9    |
| 2    |    |   | Propane, 2-(ethenyloxy)- | 86 | C5H10O  | 000926-65-8 | 7    |
| 3    |    |   | Ethanone, 1-oxiranyl-    | 86 | C4H6O2  | 004401-11-0 | 5    |
| 4    |    |   | 3-Buten-2-ol, 3-methyl-  | 86 | C5H10O  | 010473-14-0 | 5    |



Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D

Acq On : 1 Feb 2002 3:35 pm

Sample : nyc

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 8

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

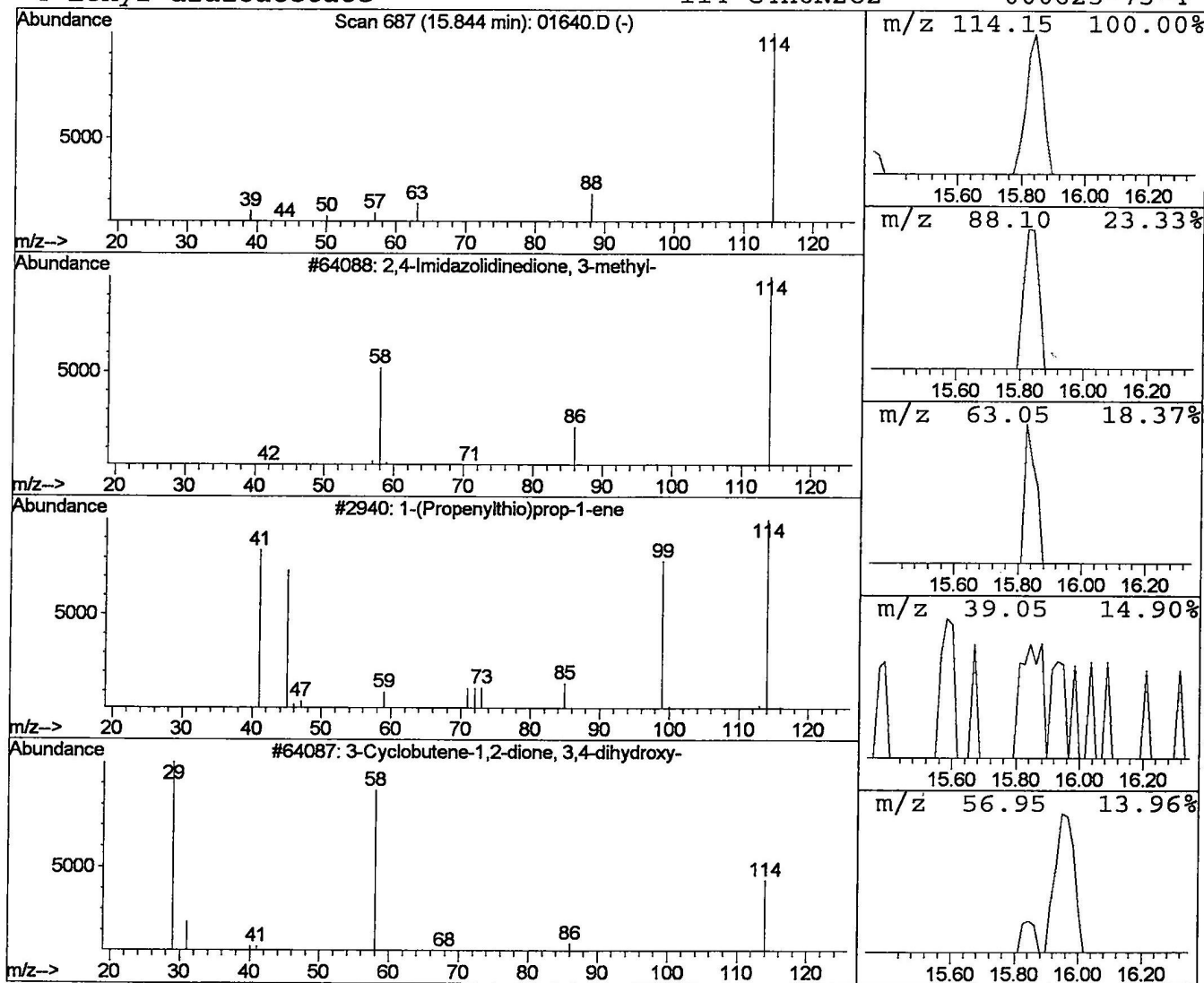
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 4 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.05 ug/L | 38207 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    |   | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |





## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01640.D

Acq On : 1 Feb 2002 3:35 pm

Sample : nyc

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 8

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

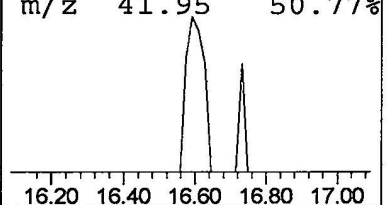
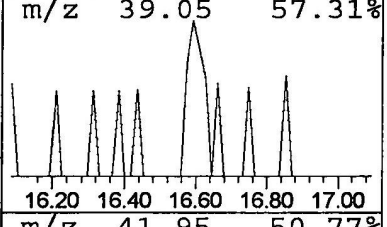
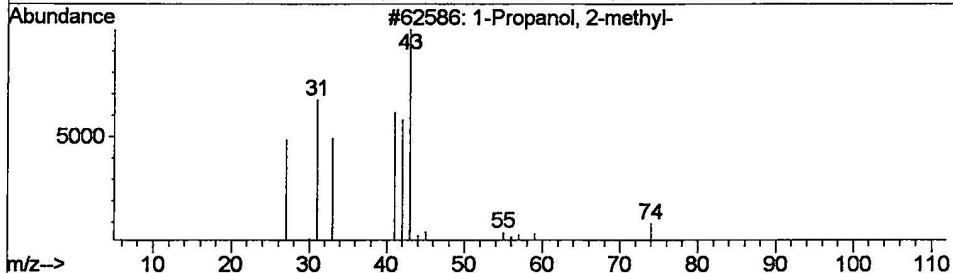
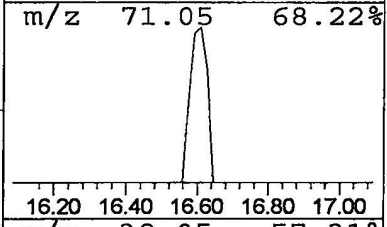
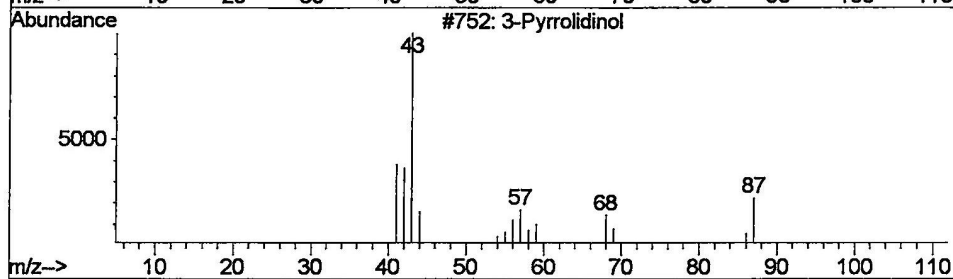
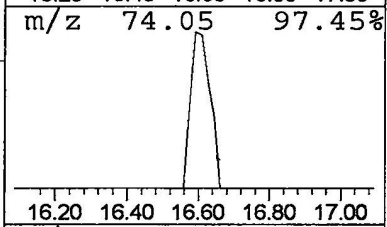
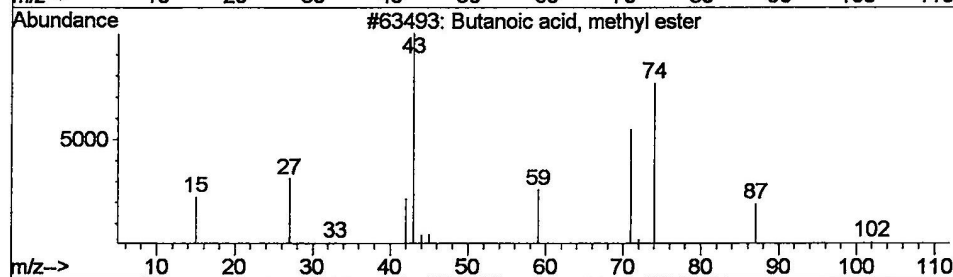
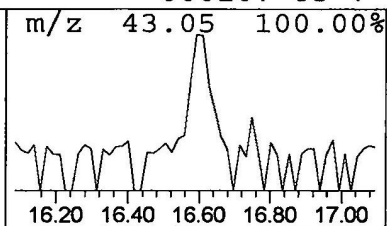
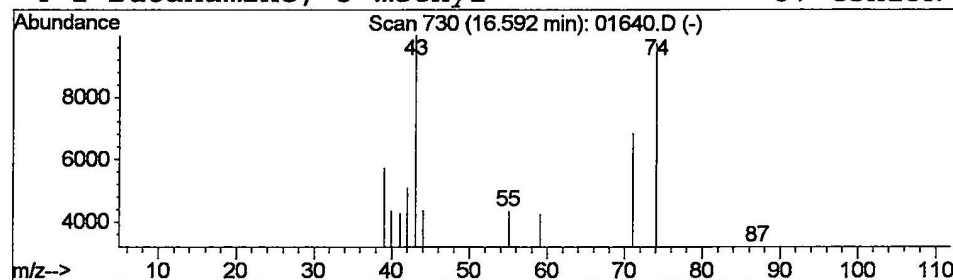
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.59 | 0.07 ug/L | 55938 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 33   |
| 2    |    | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 9    |
| 3    |    | 1-Propanol, 2-methyl-       | 74  | C4H10O  | 000078-83-1 | 9    |
| 4    |    | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 7    |

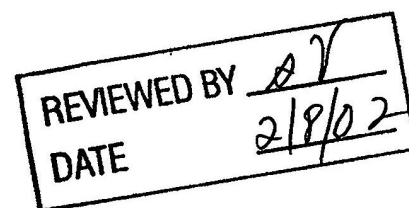


User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:22:45

Sample: AE01464  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.9    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.8    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.0    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

*acetone in FB-45*



User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:22:45

Sample: AE01464

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB

Result source: manual entry

Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Data File : C:\HPCHEM\1\DATA\02FEB01\01464.D

Vial: 9

Acq On : 1 Feb 2002 4:18 pm

Operator: 201-wb

Sample : nyc

Inst : GC/MS Ins

Misc : February 1, 2002

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Feb 4 10:15 2002

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Fri Feb 01 13:18:32 2002

Response via : Initial Calibration

DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|---------|---------------|
| 1) 1,4-DIFLUOROBENZENE      | 15.18 | 114  | 1683096  | 5.00  | ug/L    | 0.07          |
| 24) CHLOROBENZENE-D5        | 21.85 | 117  | 1671709  | 5.00  | ug/L    | 0.09          |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 752347   | 5.00  | ug/L    | 0.07          |
| System Monitoring Compounds |       |      |          |       |         |               |
| 2) 1,2-DICHLOROETHANE-D4    | 14.42 | 65   | 714584   | 4.90  | ug/L    | 0.07          |
| Spiked Amount               | 5.000 |      | Recovery | =     | 98.00%  |               |
| 3) 4-BROMOFLUOROBENZENE     | 24.43 | 174  | 618354   | 4.79  | ug/L    | 0.07          |
| Spiked Amount               | 5.000 |      | Recovery | =     | 95.80%  |               |
| 25) TOLUENE-D8              | 18.54 | 98   | 2086102  | 5.00  | ug/L    | 0.07          |
| Spiked Amount               | 5.000 |      | Recovery | =     | 100.00% |               |
| Target Compounds            |       |      |          |       |         |               |
| 12) ACETONE                 | 8.32  | 43   | 114291   | 12.59 | ug/L    | Qvalue<br>100 |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 52184    | 0.67  | ug/L    | 92            |
| 15) METHYL TERT BUTYL ETHER | 10.01 | 73   | 13094    | 0.13  | ug/L    | 82            |
| 18) 2-BUTANONE (MEK)        | 12.08 | 43   | 84221    | 3.95  | ug/L    | 99            |
| 46) 2-HEXANONE              | 19.29 | 43   | 3747     | 0.13  | ug/L    | 30            |

-----  
(#) = qualifier out of range (m) = manual integration

01464.D HP013102.M

Mon Feb 04 10:16:10 2002

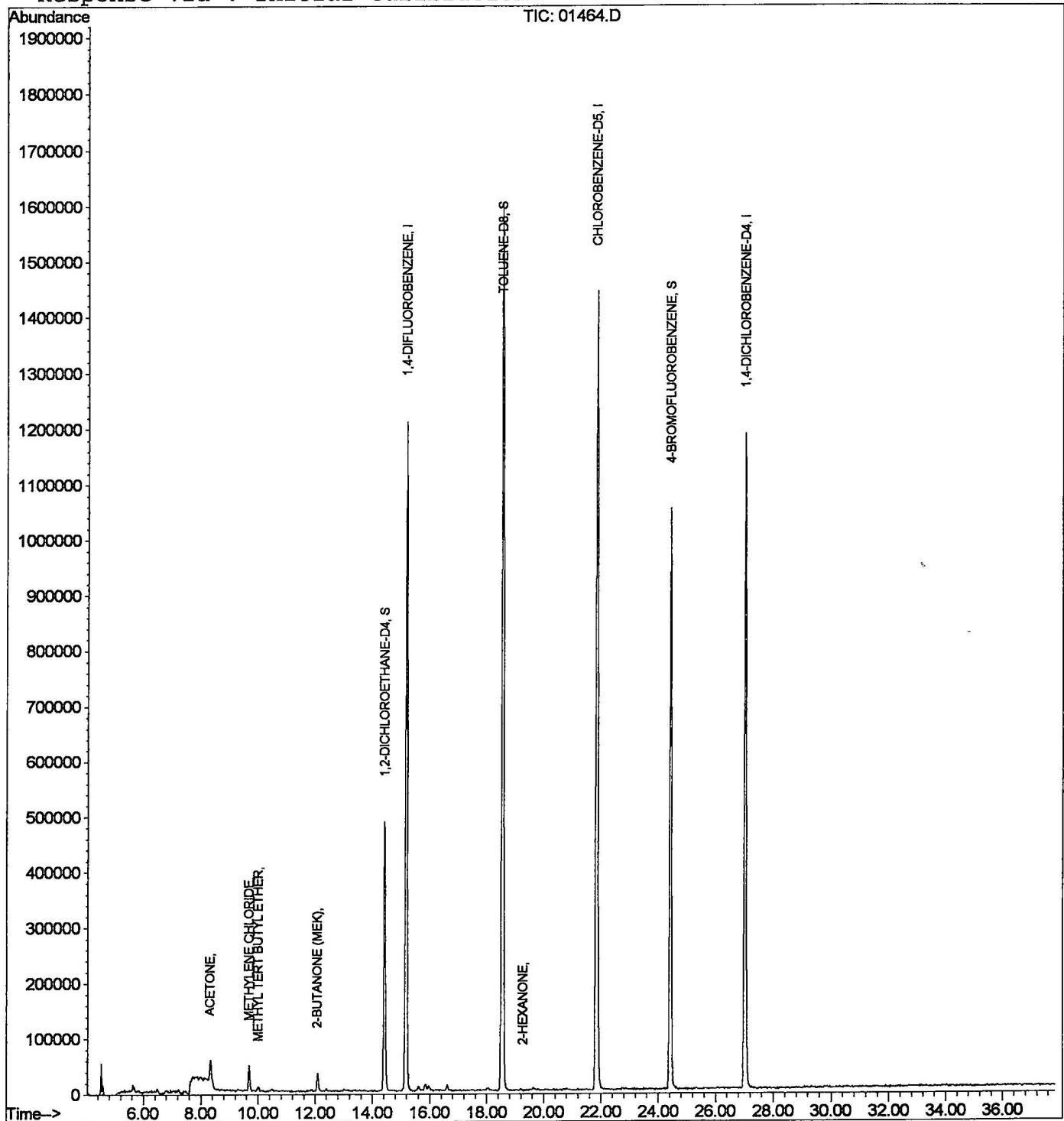
Page 1

Data File : C:\HPCHEM\1\DATA\02FEB01\01464.D  
 Acq On : 1 Feb 2002 4:18 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:15 2002

Vial: 9  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464.D  
Acq On : 1 Feb 2002 4:18 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

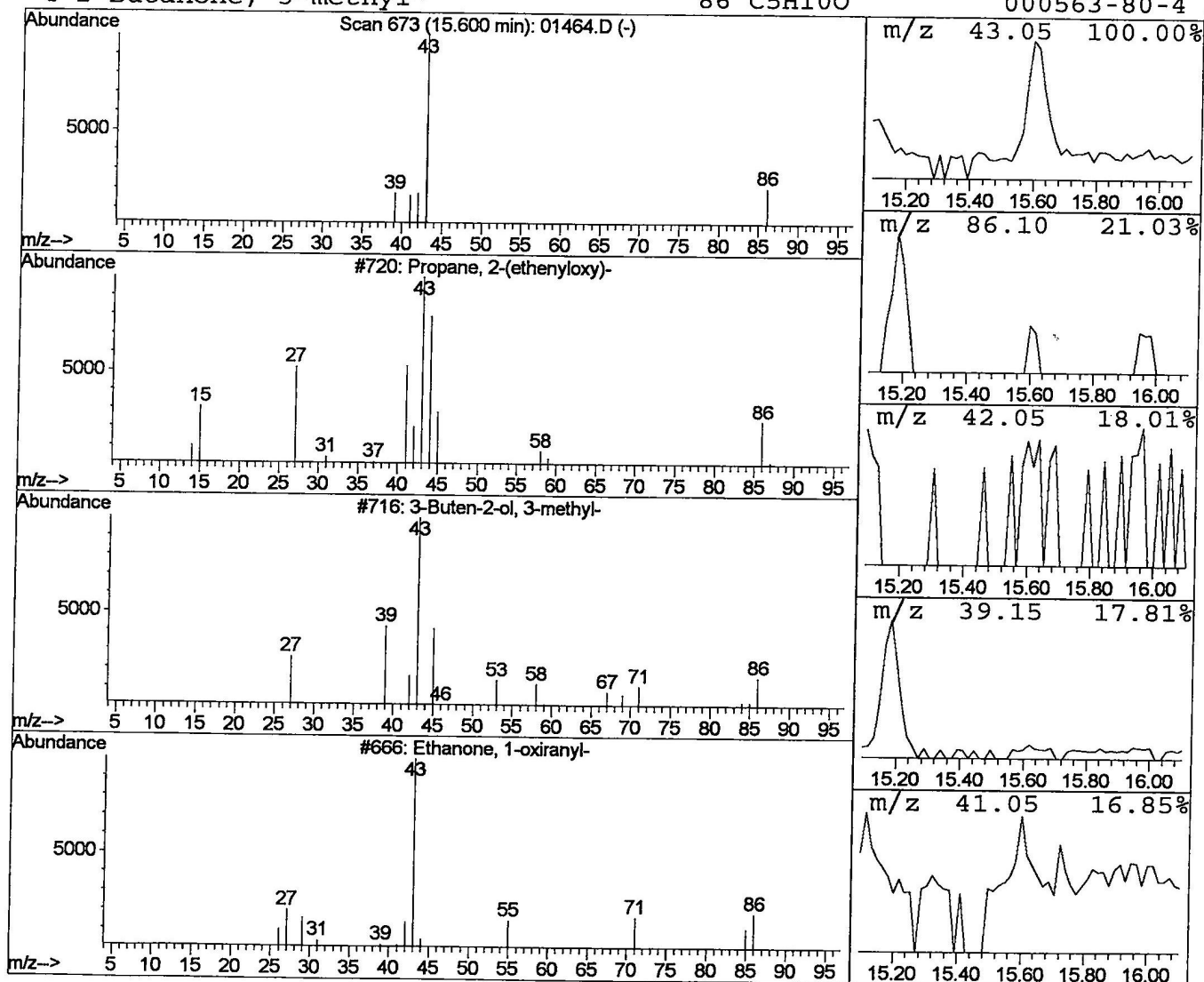
Vial: 9  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 1 Propane, 2-(ethenyloxy)- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.60 | 0.03 ug/L | 32283 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Propane, 2-(ethenyloxy)- | 86 | C5H10O  | 000926-65-8 | 7    |
| 2    |    |   | 3-Buten-2-ol, 3-methyl-  | 86 | C5H10O  | 010473-14-0 | 5    |
| 3    |    |   | Ethanone, 1-oxiranyl-    | 86 | C4H6O2  | 004401-11-0 | 5    |
| 4    |    |   | 2-Butanone, 3-methyl-    | 86 | C5H10O  | 000563-80-4 | 5    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464.D  
 Acq On : 1 Feb 2002 4:18 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

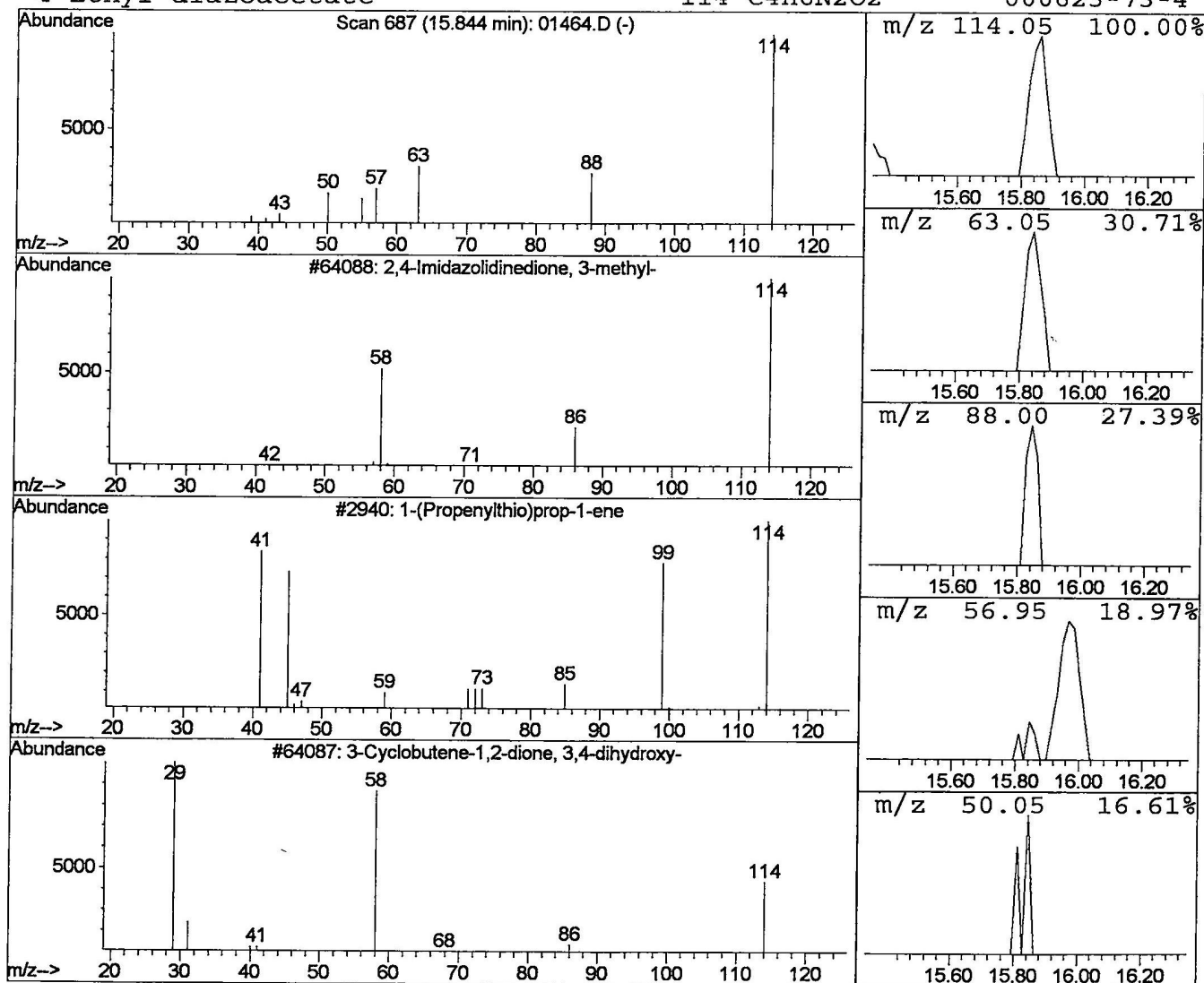
Vial: 9  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 2,4-Imidazolidinedione, 3-meth Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.05 ug/L | 48143 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464.D  
 Acq On : 1 Feb 2002 4:18 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

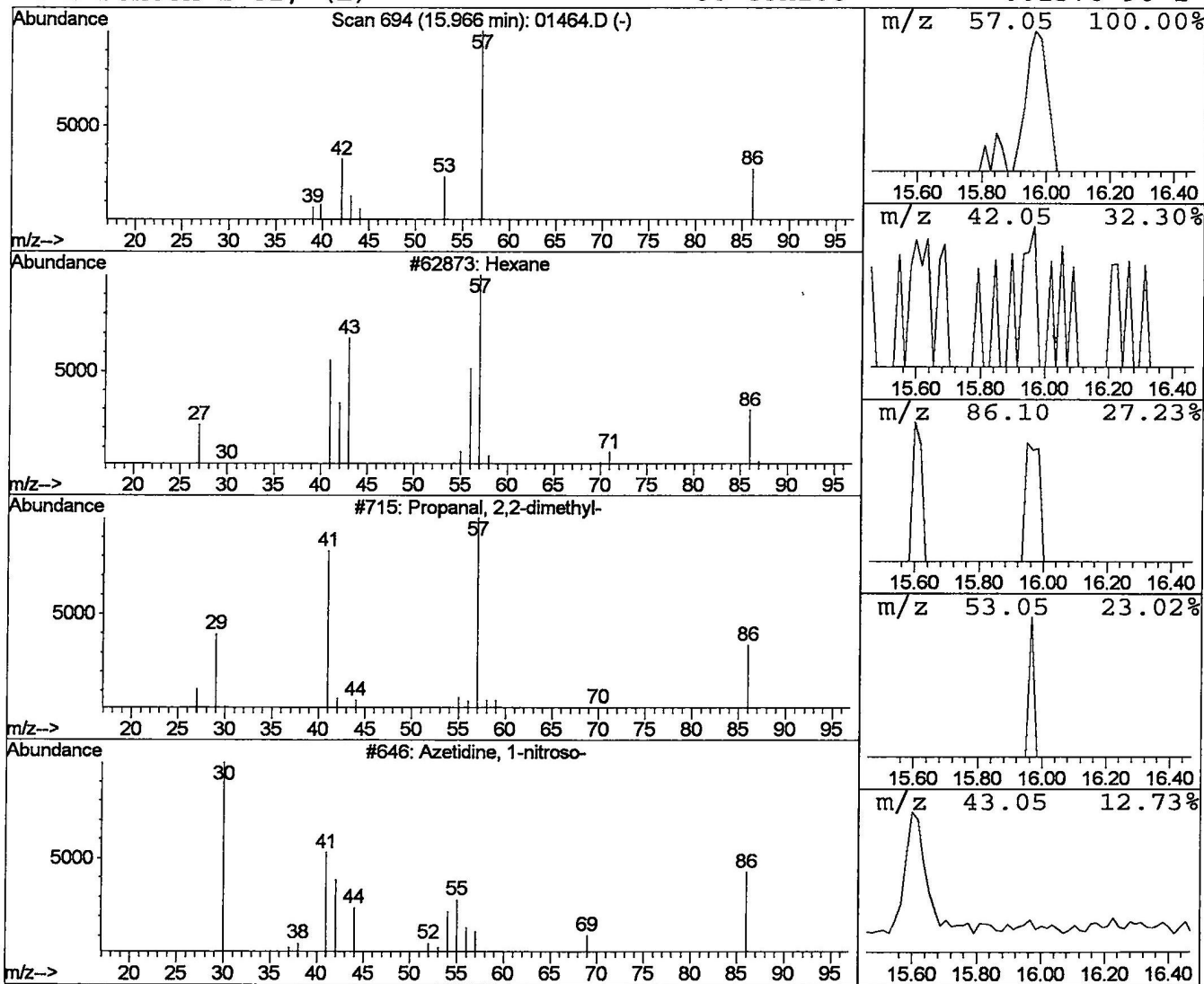
Vial: 9  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Hexane Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.97 | 0.03 ug/L | 31477 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Hexane                  | 86 | C6H14   | 000110-54-3 | 7    |
| 2    |    | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 5    |
| 3    |    | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 4    |
| 4    |    | 2-Penten-1-ol, (E)-     | 86 | C5H10O  | 001576-96-1 | 3    |





# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01464.D  
 Acq On : 1 Feb 2002 4:18 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

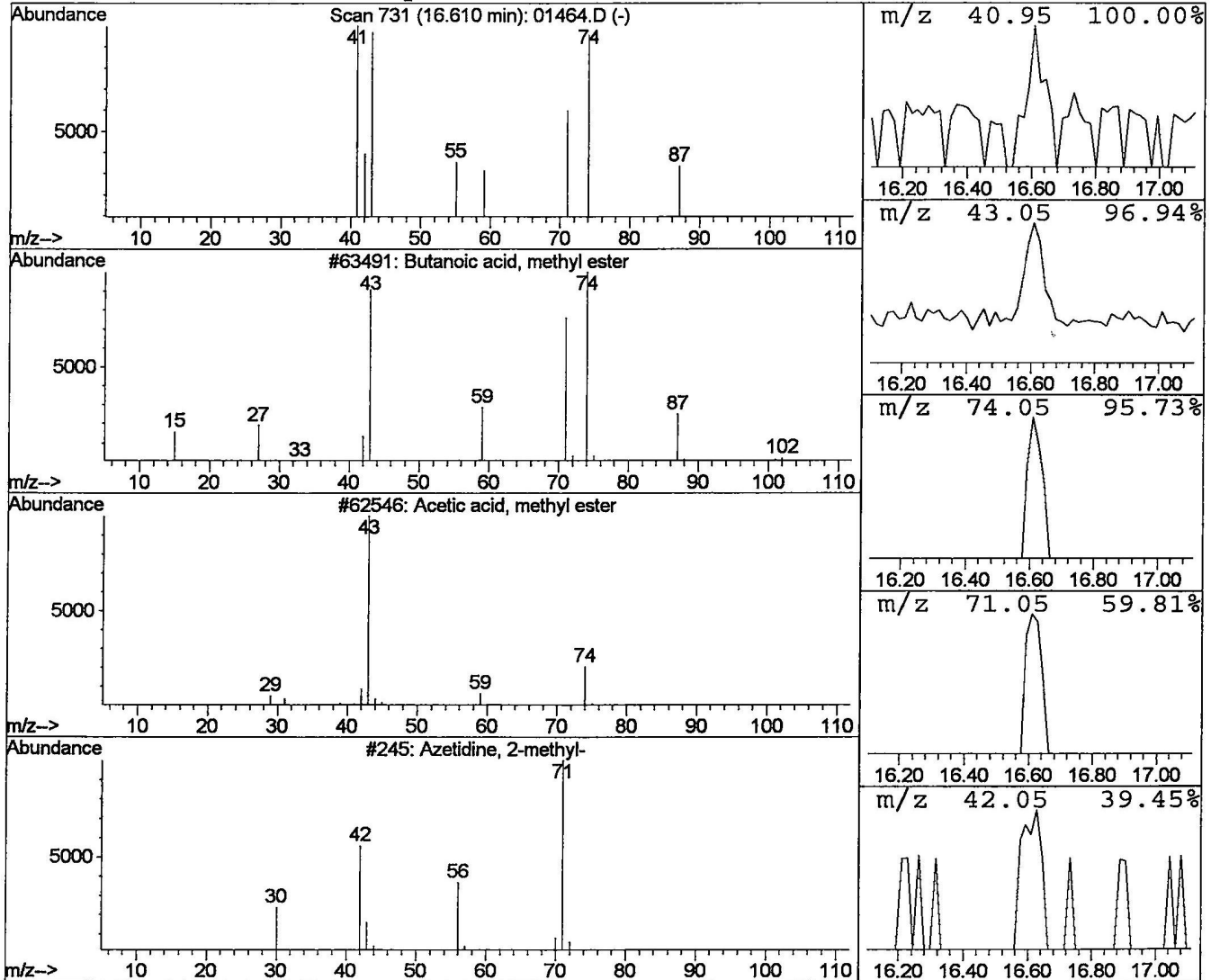
Vial: 9  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Butanoic acid, methyl ester Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.61 | 0.04 ug/L | 37345 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 40   |
| 2    |    | Acetic acid, methyl ester   | 74  | C3H6O2  | 000079-20-9 | 7    |
| 3    |    | Azetidine, 2-methyl-        | 71  | C4H9N   | 019812-49-8 | 4    |
| 4    |    | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 4    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:23:04

Sample: AE01641  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 5.0    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.8    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.0    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY 2V  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:23:04

Sample: AE01641  
Analysis: §524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01641.D  
 Acq On : 1 Feb 2002 5:02 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:16 2002

Vial: 10  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.18 | 114  | 1672311  | 5.00  | ug/L    | 0.07      |
| 24) CHLOROBENZENE-D5        | 21.85 | 117  | 1659404  | 5.00  | ug/L    | 0.09      |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 752672   | 5.00  | ug/L    | 0.07      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.42 | 65   | 716704   | 4.95  | ug/L    | 0.07      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 99.00%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.42 | 174  | 618639   | 4.82  | ug/L    | 0.07      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 96.40%  |           |
| 25) TOLUENE-D8              | 18.54 | 98   | 2071098  | 5.00  | ug/L    | 0.07      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 100.00% |           |
| Target Compounds            |       |      |          |       |         |           |
| 12) ACETONE                 | 8.32  | 43   | 311249   | 34.50 | ug/L    | Qvalue 96 |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 50409    | 0.65  | ug/L    | 95        |
| 18) 2-BUTANONE (MEK)        | 12.08 | 43   | 88130    | 4.16  | ug/L    | 99        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 01641.D HP013102.M Mon Feb 04 10:16:59 2002

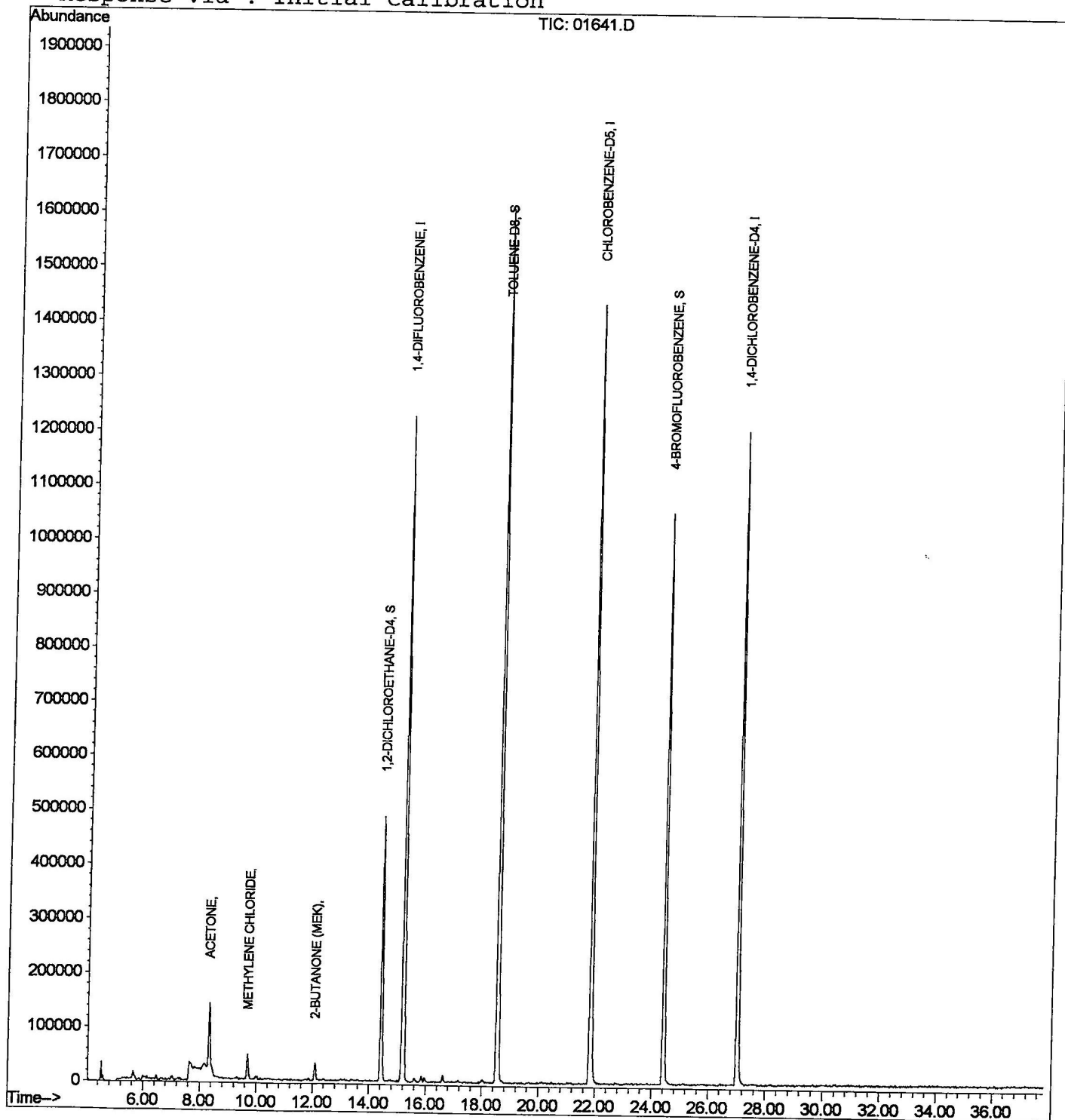
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01641.D  
Acq On : 1 Feb 2002 5:02 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:16 2002

Vial: 10  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



01641.D HP013102.M

Mon Feb 04 10:17:03 2002

Page 2

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01641.D  
 Acq On : 1 Feb 2002 5:02 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

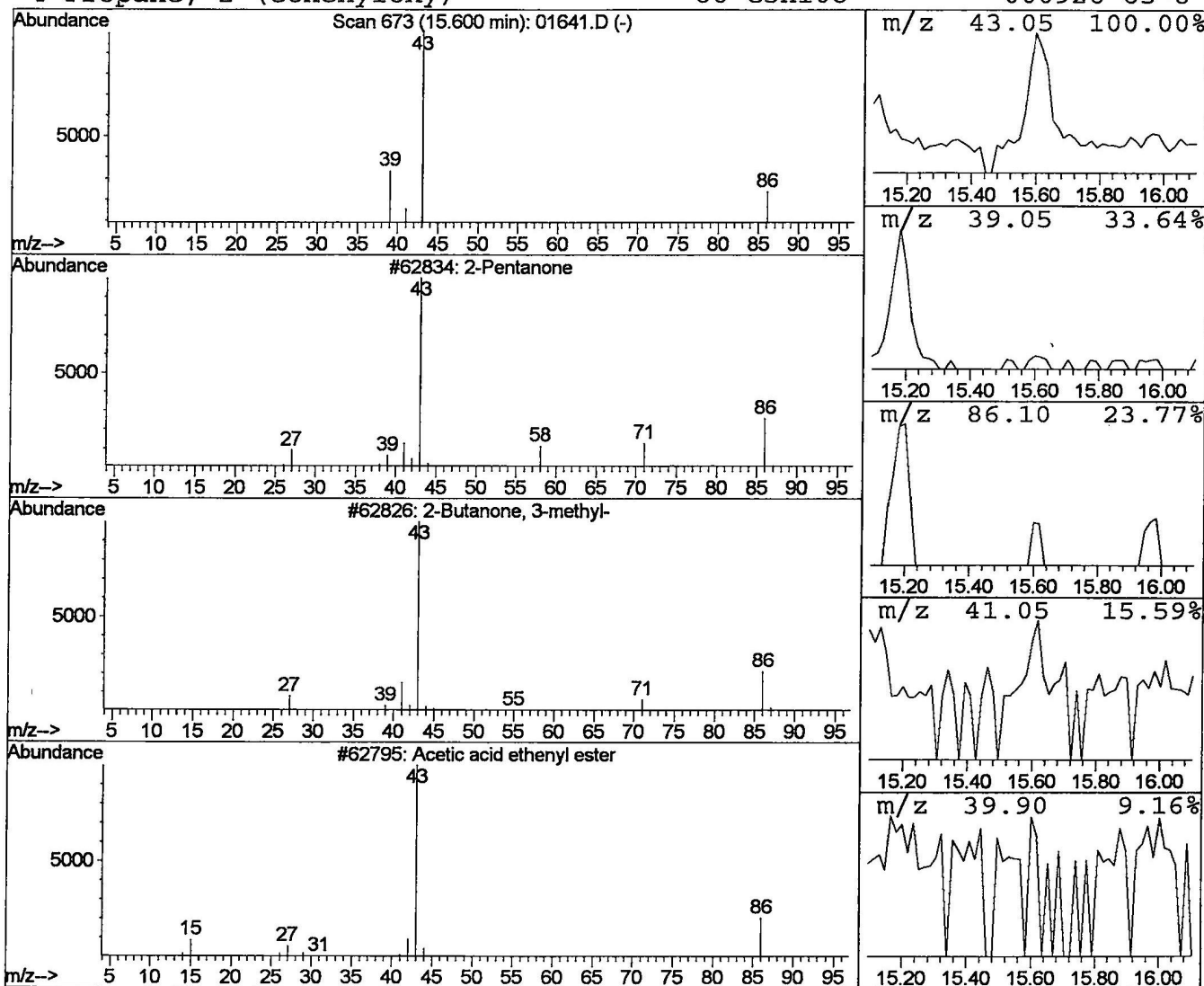
Vial: 10  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 2-Pentanone Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.60 | 0.03 ug/L | 25459 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5                         | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|---------------------------|--------------|----|---------|-------------|------|
| 1       | 2-Pentanone               |              | 86 | C5H10O  | 000107-87-9 | 5    |
| 2       | 2-Butanone, 3-methyl-     |              | 86 | C5H10O  | 000563-80-4 | 5    |
| 3       | Acetic acid ethenyl ester |              | 86 | C4H6O2  | 000108-05-4 | 4    |
| 4       | Propane, 2-(ethenyloxy)-  |              | 86 | C5H10O  | 000926-65-8 | 4    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01641.D  
Acq On : 1 Feb 2002 5:02 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

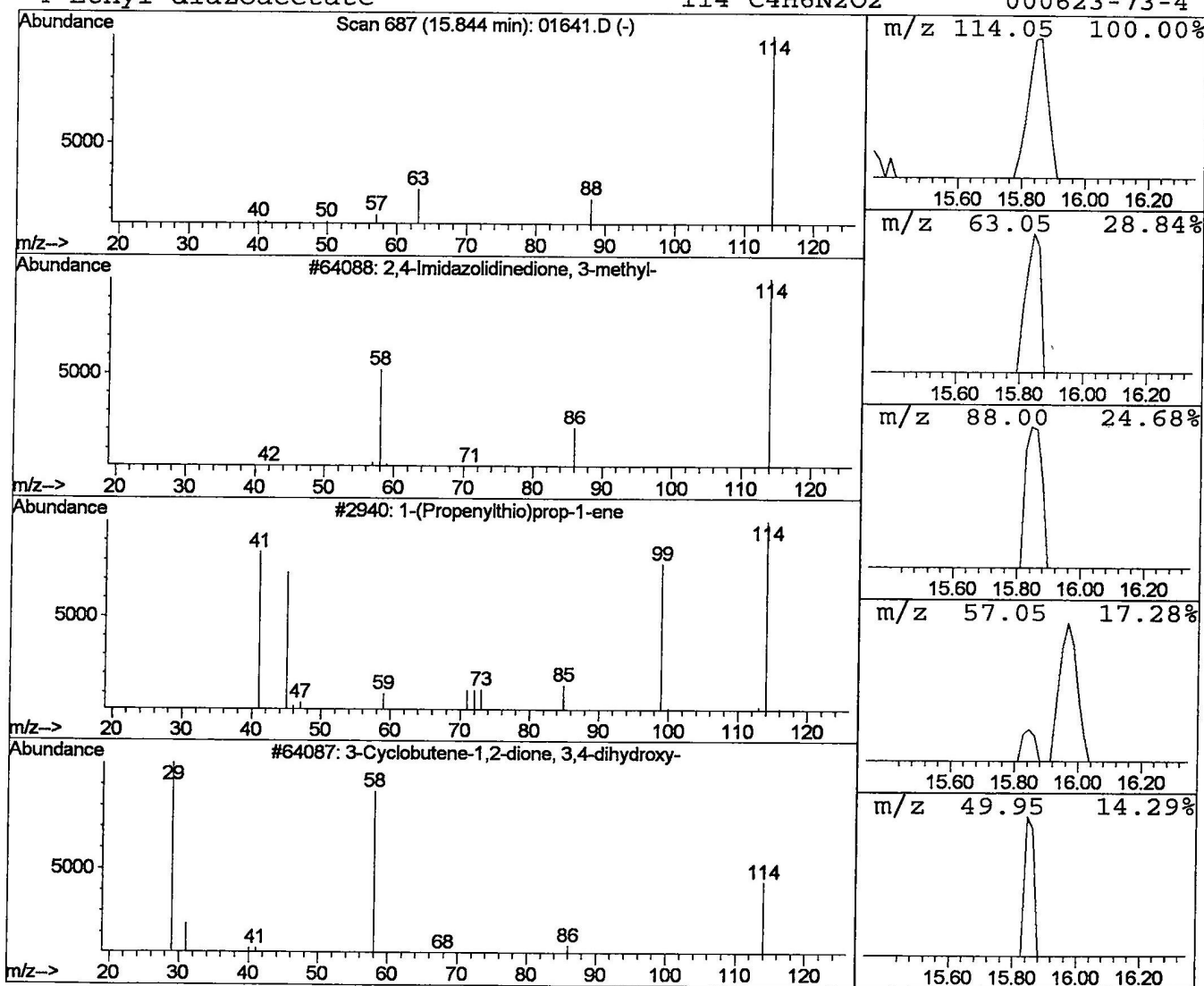
Vial: 10  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 2,4-Imidazolidinedione, 3-meth Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.06 ug/L | 52553 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2       |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3       |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4       |   | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



Data File : C:\HPCHEM\1\DATA\02FEB01\01641.D  
 Acq On : 1 Feb 2002 5:02 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

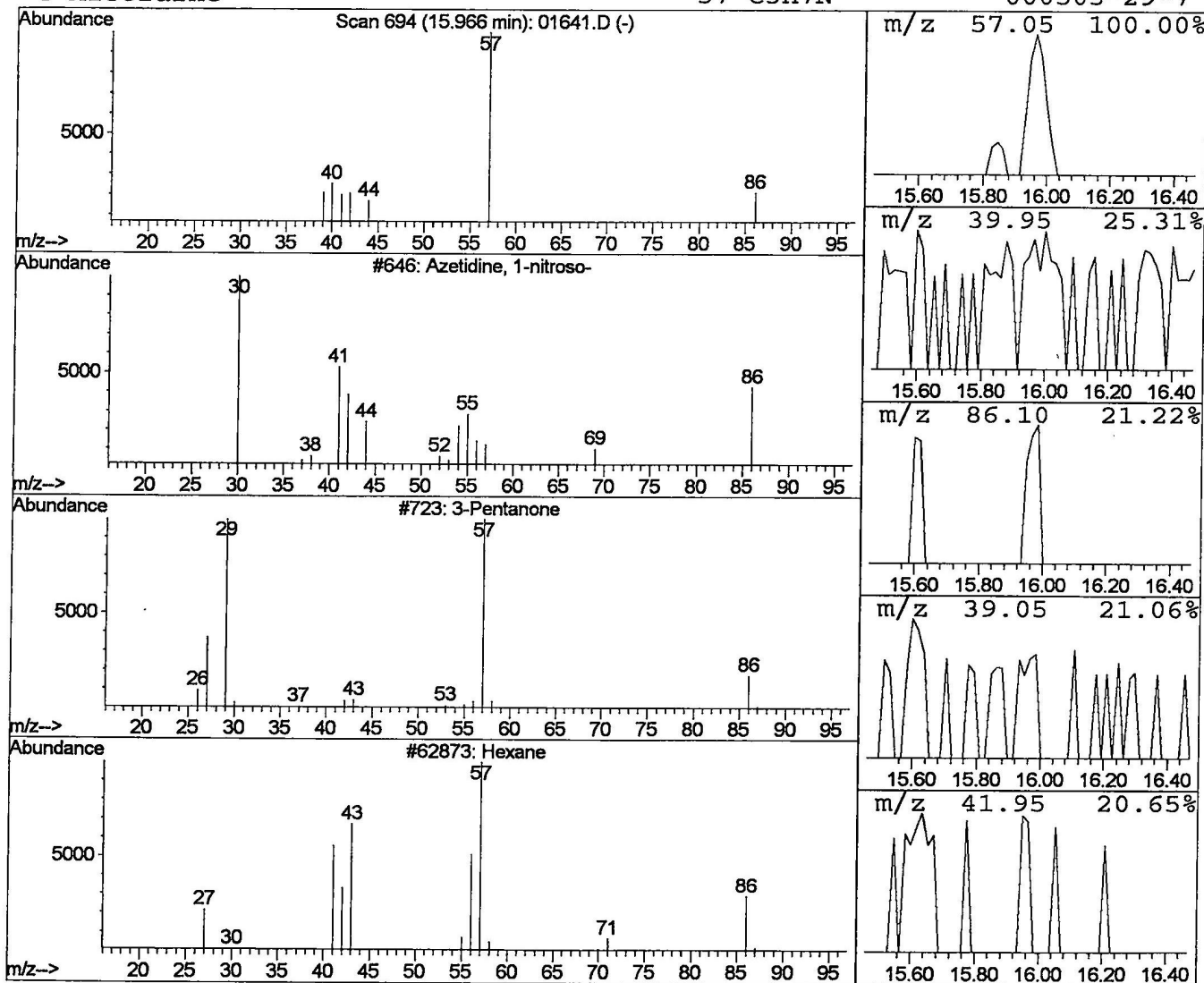
Vial: 10  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Azetidine, 1-nitroso- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.97 | 0.05 ug/L | 43186 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|---------|---|-----------------------|----|---------|-------------|------|
| 1       |   | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 5    |
| 2       |   | 3-Pentanone           | 86 | C5H10O  | 000096-22-0 | 5    |
| 3       |   | Hexane                | 86 | C6H14   | 000110-54-3 | 4    |
| 4       |   | Azetidine             | 57 | C3H7N   | 000503-29-7 | 4    |





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01641.D  
 Acq On : 1 Feb 2002 5:02 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

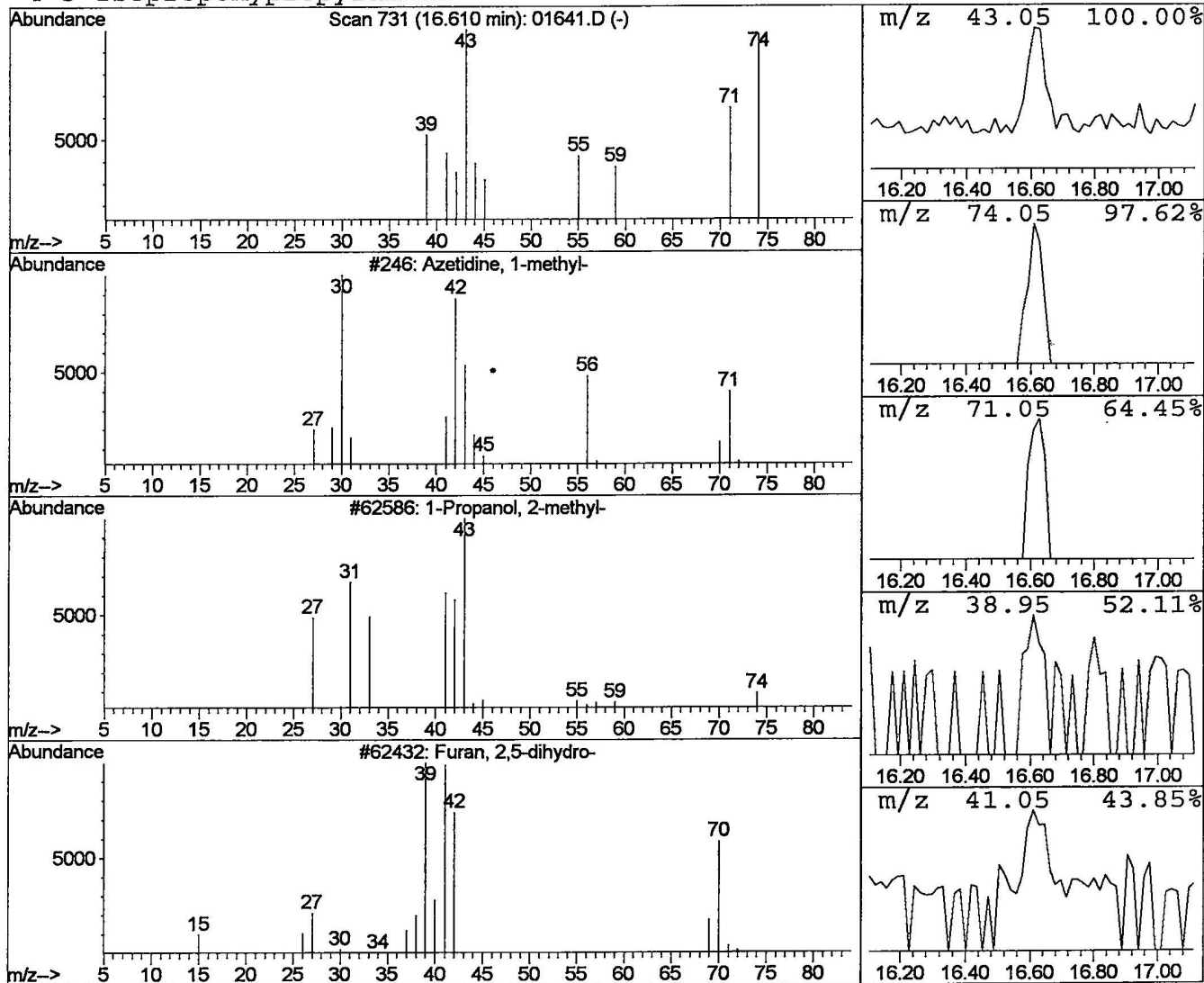
Vial: 10  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

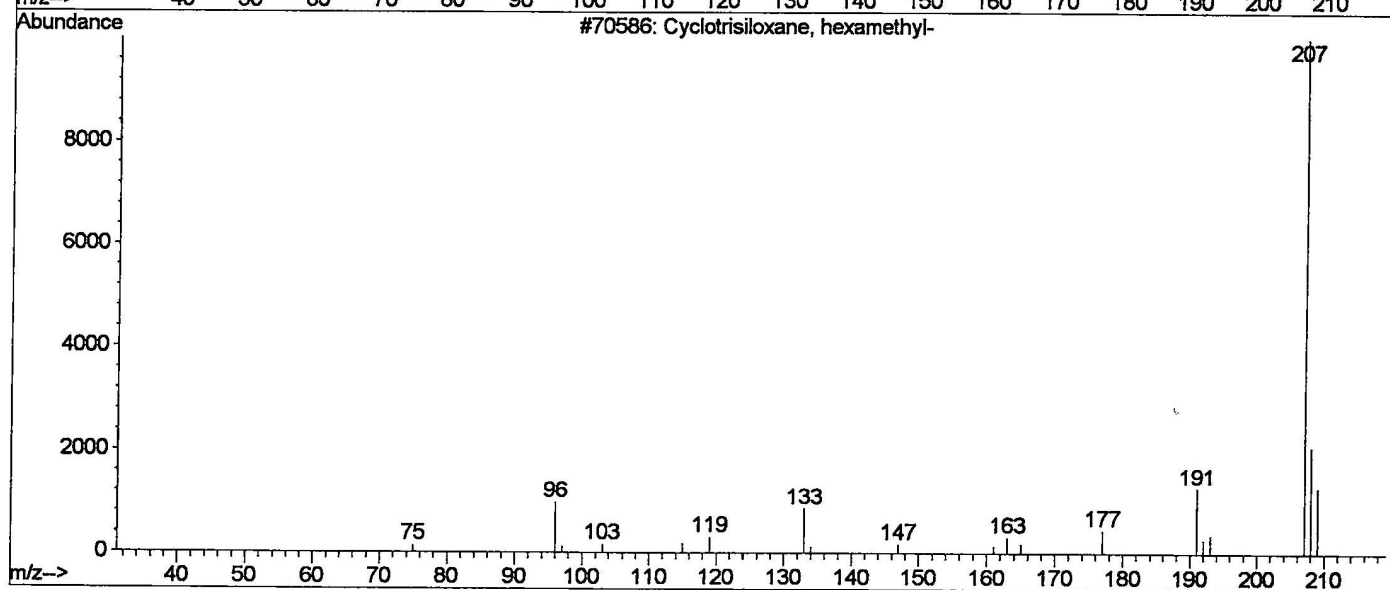
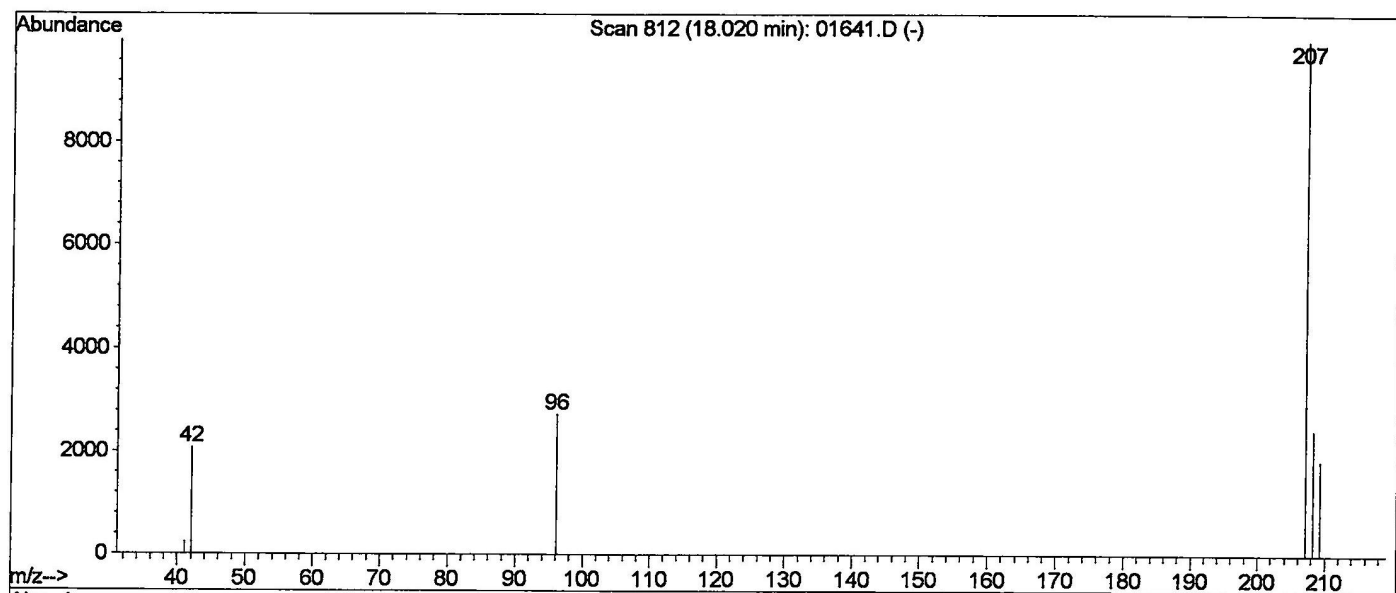
\*\*\*\*\*  
 Peak Number 4 Azetidine, 1-methyl- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.61 | 0.05 ug/L | 50532 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Azetidine, 1-methyl-    | 71  | C4H9N   | 004923-79-9 | 9    |
| 2    |    | 1-Propanol, 2-methyl-   | 74  | C4H10O  | 000078-83-1 | 9    |
| 3    |    | Furan, 2,5-dihydro-     | 70  | C4H6O   | 001708-29-8 | 9    |
| 4    |    | 3-Isopropoxypropylamine | 117 | C6H15NO | 002906-12-9 | 9    |



Library Searched : C:\DATABASE\NBS75K.L  
 Quality : 4  
 ID : Cyclotrisiloxane, hexamethyl-



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:23:33

Sample: AE01642  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.9    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.8    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.0    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:23:33

Sample: AE01642  
Analysis: §524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01642.D  
Acq On : 1 Feb 2002 5:45 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:19 2002

Vial: 11  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration  
DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.18 | 114  | 1669543  | 5.00  | ug/L    | 0.07      |
| 24) CHLOROBENZENE-D5        | 21.85 | 117  | 1653609  | 5.00  | ug/L    | 0.09      |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 739993   | 5.00  | ug/L    | 0.07      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.42 | 65   | 706482   | 4.89  | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =     | 97.80%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.43 | 174  | 608176   | 4.75  | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =     | 95.00%  |           |
| 25) TOLUENE-D8              | 18.54 | 98   | 2072611  | 5.02  | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =     | 100.40% |           |
| Target Compounds            |       |      |          |       |         |           |
| 12) ACETONE                 | 8.33  | 43   | 108905   | 12.09 | ug/L    | Qvalue 98 |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 51461    | 0.66  | ug/L    | 93        |
| 18) 2-BUTANONE (MEK)        | 12.08 | 43   | 88268    | 4.17  | ug/L    | 98        |

-----  
(#) = qualifier out of range (m) = manual integration  
01642.D HP013102.M Mon Feb 04 10:20:11 2002

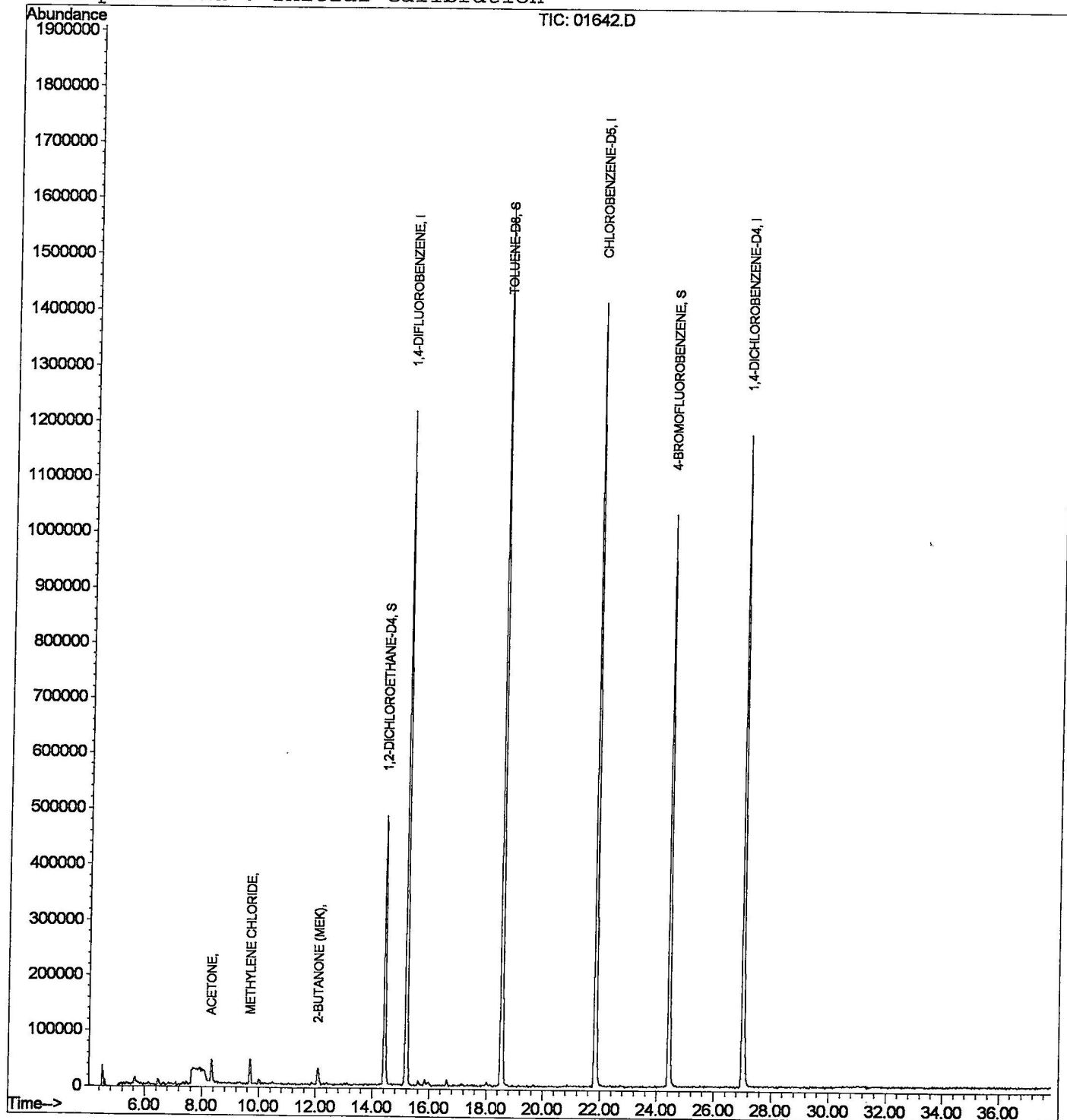
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01642.D  
 Acq On : 1 Feb 2002 5:45 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:19 2002

Vial: 11  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01642.D  
 Acq On : 1 Feb 2002 5:45 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

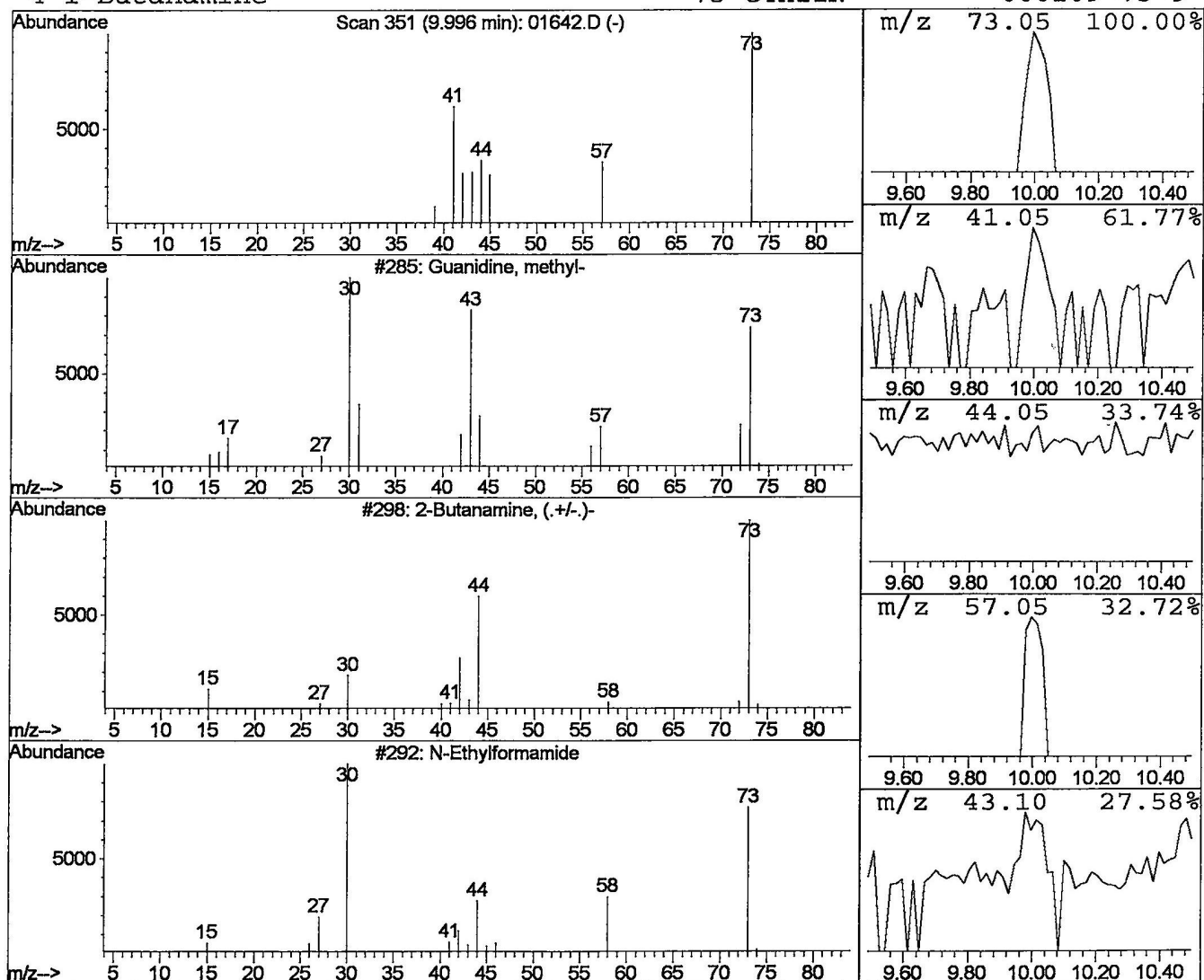
Vial: 11  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Guanidine, methyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 10.00 | 0.04 ug/L | 38659 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|------------------------|----|---------|-------------|------|
| 1    | 5  | Guanidine, methyl-     | 73 | C2H7N3  | 000471-29-4 | 9    |
| 2    |    | 2-Butanamine, (.+/-.)- | 73 | C4H11N  | 033966-50-6 | 4    |
| 3    |    | N-Ethylformamide       | 73 | C3H7NO  | 000627-45-2 | 4    |
| 4    |    | 1-Butanamine           | 73 | C4H11N  | 000109-73-9 | 4    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01642.D  
 Acq On : 1 Feb 2002 5:45 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

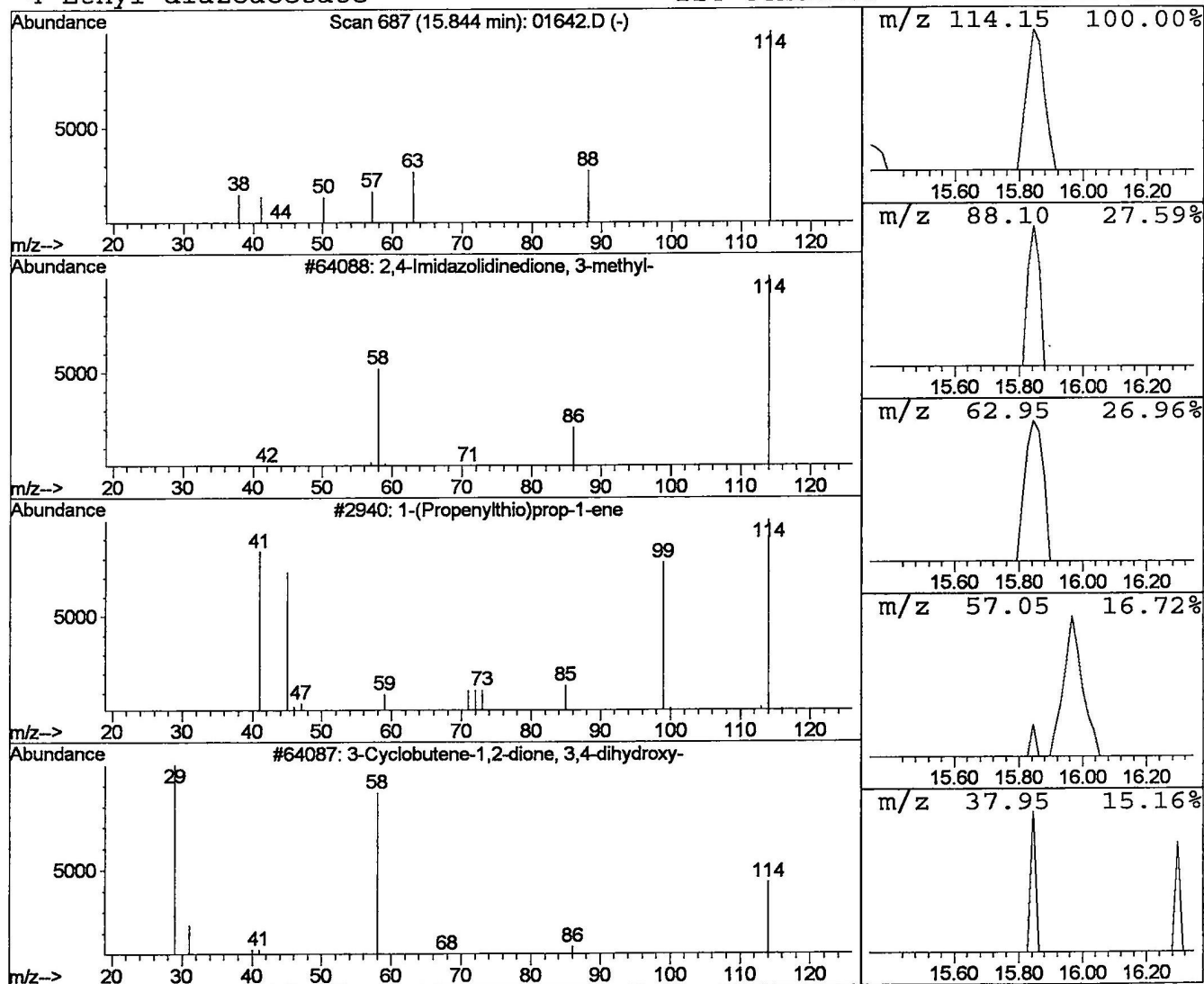
Vial: 11  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.05 ug/L | 42045 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    |   | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01642.D  
 Acq On : 1 Feb 2002 5:45 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

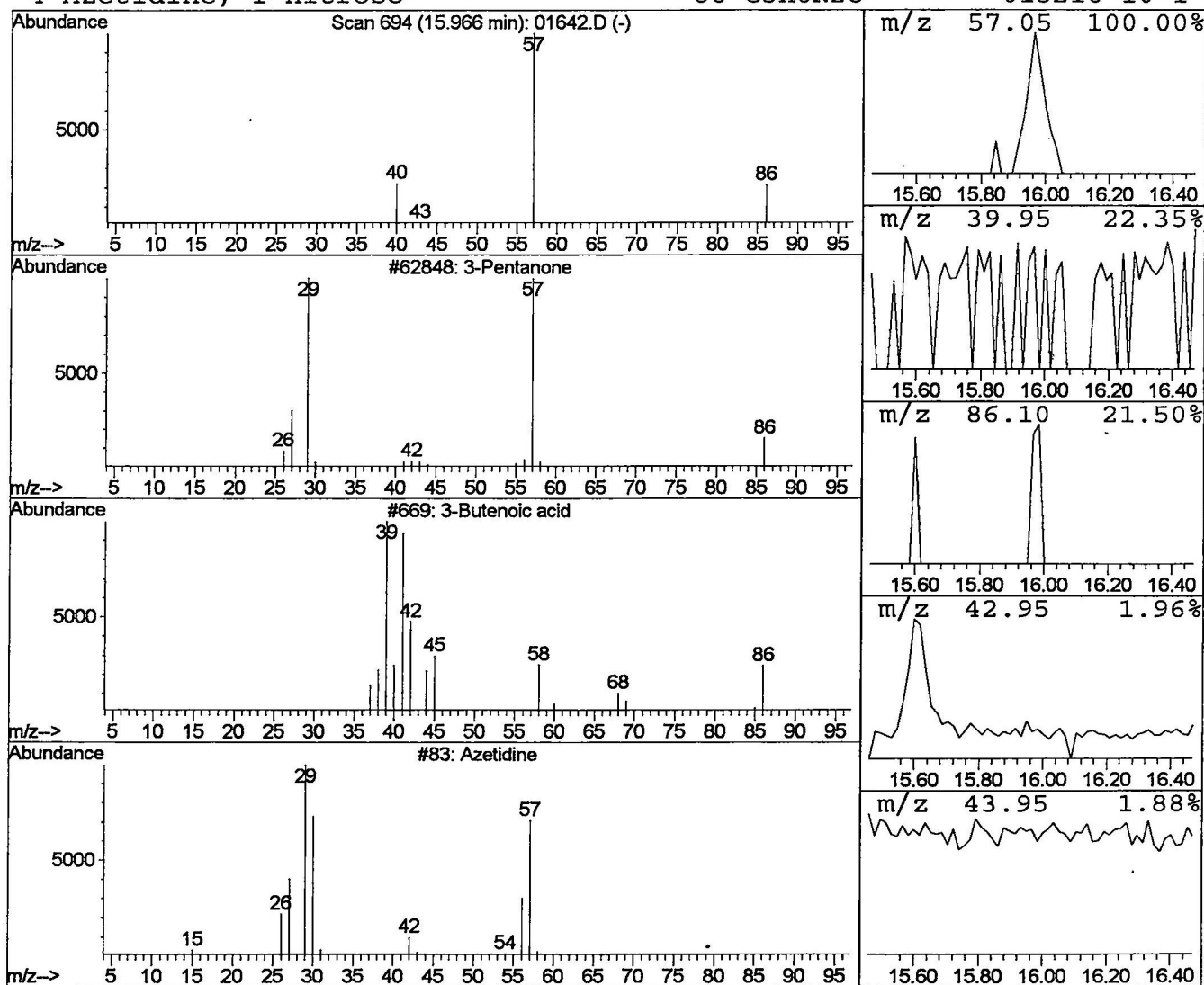
Vial: 11  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 3-Pentanone Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.97 | 0.04 ug/L | 40615 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5                     | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|----|---------|-------------|------|
| 1       | 3-Pentanone           |              | 86 | C5H10O  | 000096-22-0 | 5    |
| 2       | 3-Butenoic acid       |              | 86 | C4H6O2  | 000625-38-7 | 4    |
| 3       | Azetidine             |              | 57 | C3H7N   | 000503-29-7 | 2    |
| 4       | Azetidine, 1-nitroso- |              | 86 | C3H6N2O | 015216-10-1 | 2    |



## LIBRARY SEARCH COMPOUND REPORT

Data File : C:\HPCHEM\1\DATA\02FEB01\01642.D  
Acq On : 1 Feb 2002 5:45 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

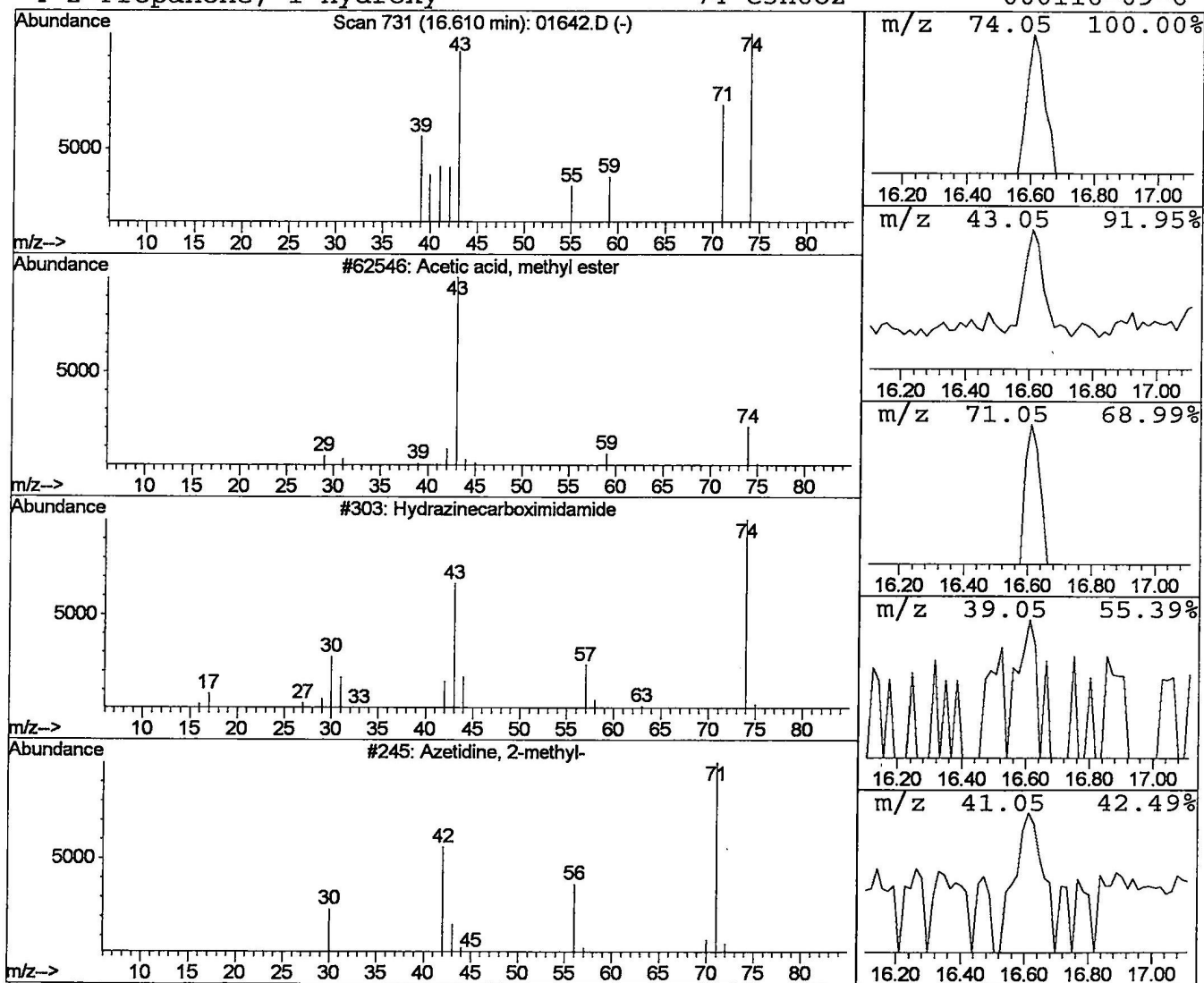
Vial: 11  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 4 Acetic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.61 | 0.05 ug/L | 46614 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|----|---------|-------------|------|
| 1    |    |   | Acetic acid, methyl ester | 74 | C3H6O2  | 000079-20-9 | 9    |
| 2    |    |   | Hydrazinecarboximidamide  | 74 | CH6N4   | 000079-17-4 | 7    |
| 3    |    |   | Azetidine, 2-methyl-      | 71 | C4H9N   | 019812-49-8 | 4    |
| 4    |    |   | 2-Propanone, 1-hydroxy-   | 74 | C3H6O2  | 000116-09-6 | 4    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:23:58

Sample: AE01644  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.8    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.6    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

|             |               |
|-------------|---------------|
| REVIEWED BY | <i>AV</i>     |
| DATE        | <i>2/8/02</i> |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:23:58

Sample: AE01644  
Analysis: §524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(Q1' Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01644.D  
 Acq On : 1 Feb 2002 6:28 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:21 2002

Vial: 12  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.18 | 114  | 1720800  | 5.00 | ug/L    | 0.07      |
| 24) CHLOROBENZENE-D5        | 21.85 | 117  | 1657604  | 5.00 | ug/L    | 0.09      |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 755352   | 5.00 | ug/L    | 0.07      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.42 | 65   | 712919   | 4.78 | ug/L    | 0.07      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 95.60%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.43 | 174  | 610067   | 4.62 | ug/L    | 0.07      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 92.40%  |           |
| 25) TOLUENE-D8              | 18.54 | 98   | 2110002  | 5.10 | ug/L    | 0.07      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 102.00% |           |
| Target Compounds            |       |      |          |      |         |           |
| 12) ACETONE                 | 8.33  | 43   | 82922    | 8.93 | ug/L    | Qvalue 94 |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 26950    | 0.34 | ug/L    | 94        |
| 18) 2-BUTANONE (MEK)        | 12.09 | 43   | 98278    | 4.50 | ug/L    | 99        |

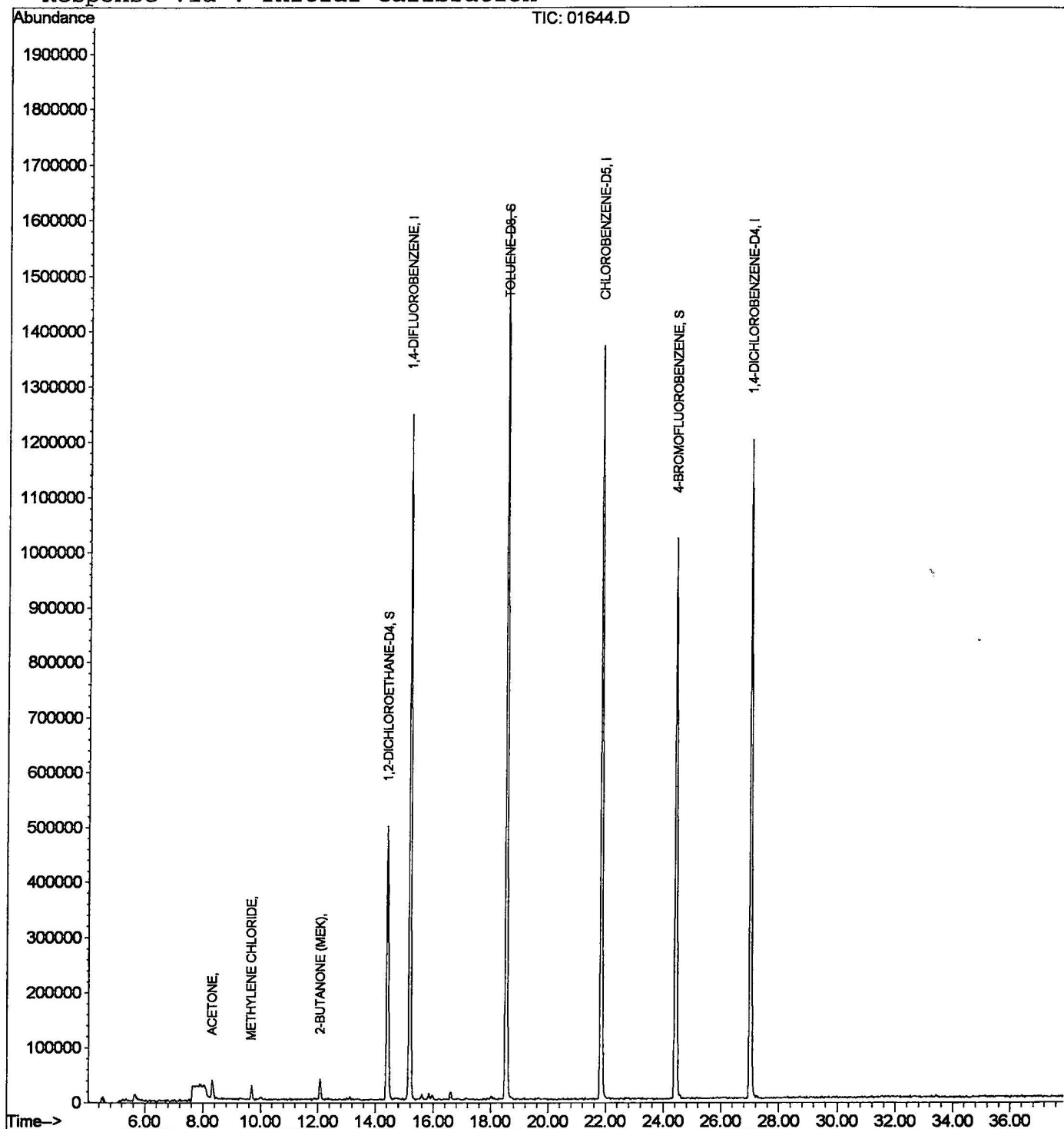
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 01644.D HP013102.M Mon Feb 04 10:21:46 2002

Data File : C:\HPCHEM\1\DATA\02FEB01\01644.D  
Acq On : 1 Feb 2002 6:28 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:21 2002

Vial: 12  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644.D  
 Acq On : 1 Feb 2002 6:28 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

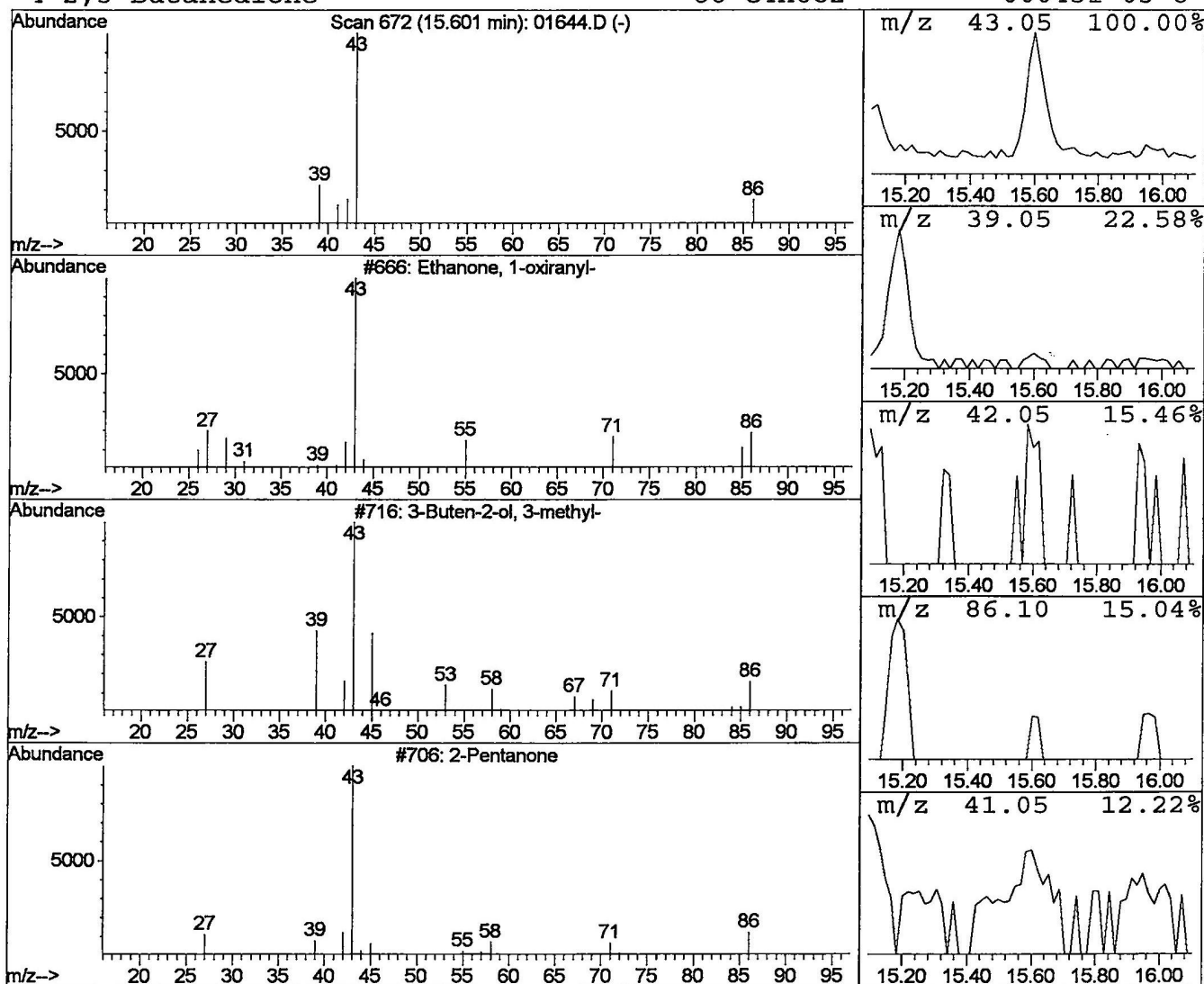
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 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Ethanone, 1-oxiranyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.60 | 0.04 ug/L | 40621 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | Ethanone, 1-oxiranyl-   | 86 | C4H6O2  | 004401-11-0 | 5    |
| 2    |    |   | 3-Buten-2-ol, 3-methyl- | 86 | C5H10O  | 010473-14-0 | 5    |
| 3    |    |   | 2-Pentanone             | 86 | C5H10O  | 000107-87-9 | 5    |
| 4    |    |   | 2,3-Butanedione         | 86 | C4H6O2  | 000431-03-8 | 5    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644.D  
 Acq On : 1 Feb 2002 6:28 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

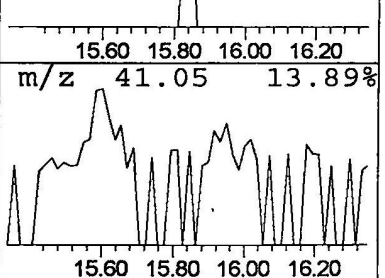
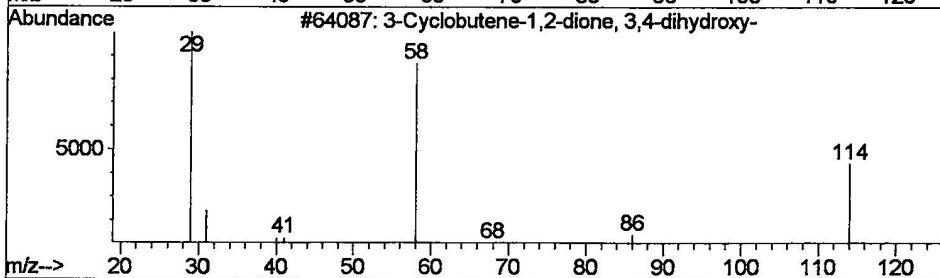
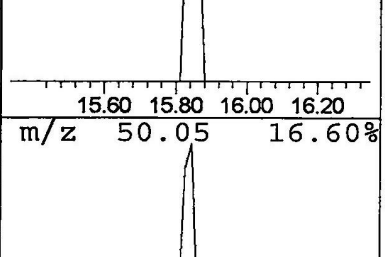
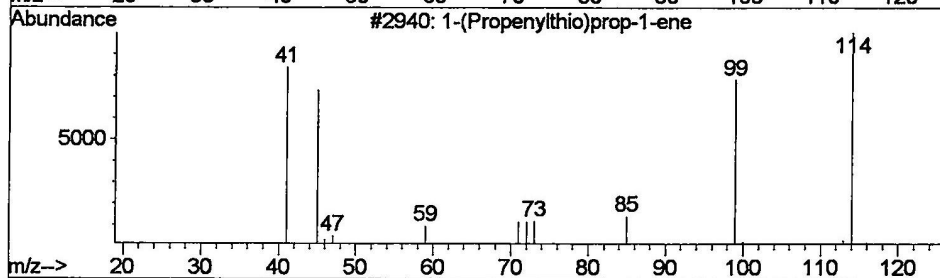
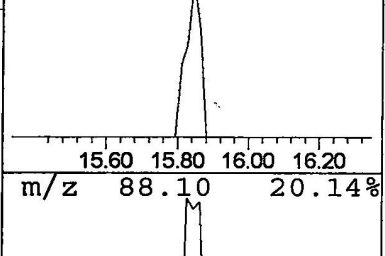
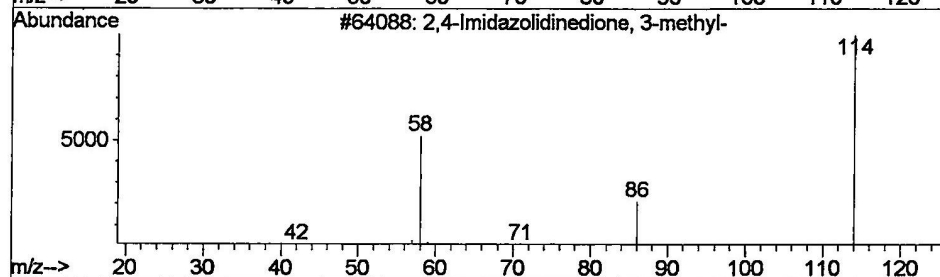
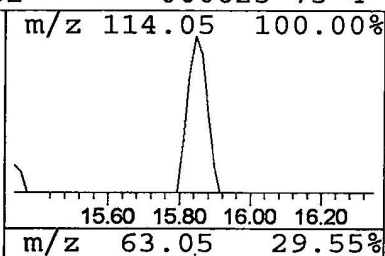
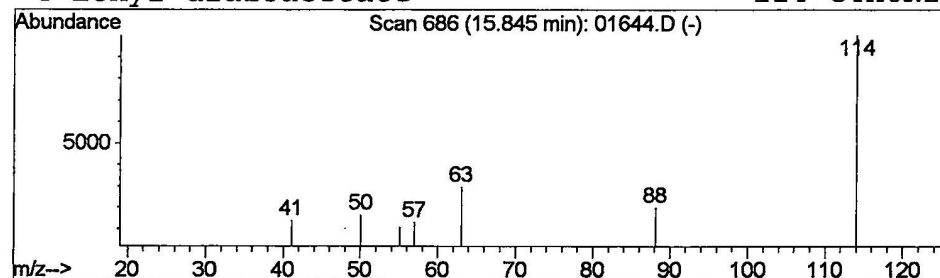
Vial: 12  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 2,4-Imidazolidinedione, 3-meth Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.04 ug/L | 41880 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644.D  
 Acq On : 1 Feb 2002 6:28 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

Vial: 12  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

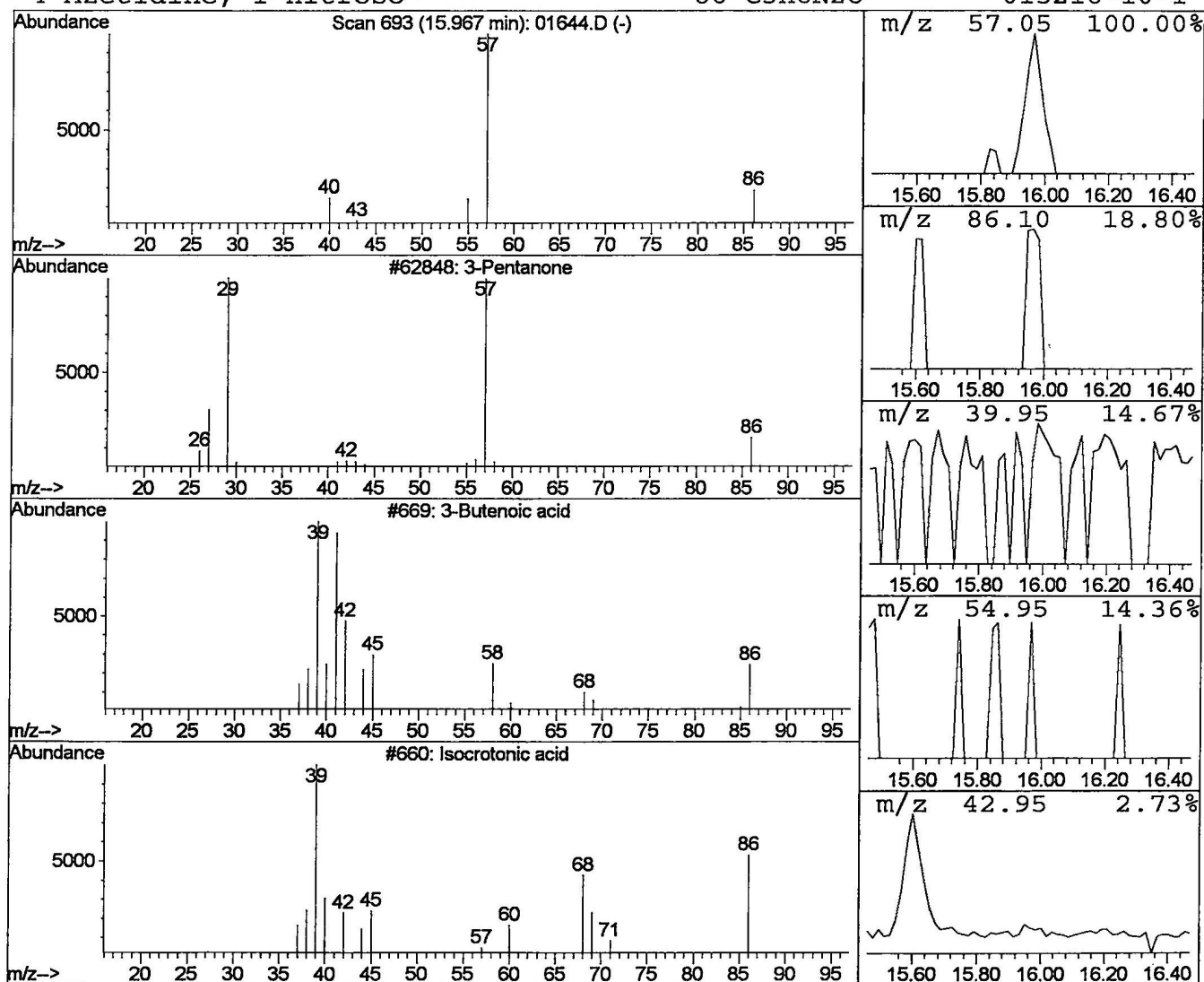
Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 3-Pentanone Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.97 | 0.05 ug/L | 47537 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|---------|---|-----------------------|----|---------|-------------|------|
| 1       |   | 3-Pentanone           | 86 | C5H10O  | 000096-22-0 | 4    |
| 2       |   | 3-Butenoic acid       | 86 | C4H6O2  | 000625-38-7 | 4    |
| 3       |   | Isocrotonic acid      | 86 | C4H6O2  | 000503-64-0 | 4    |
| 4       |   | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644.D  
 Acq On : 1 Feb 2002 6:28 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

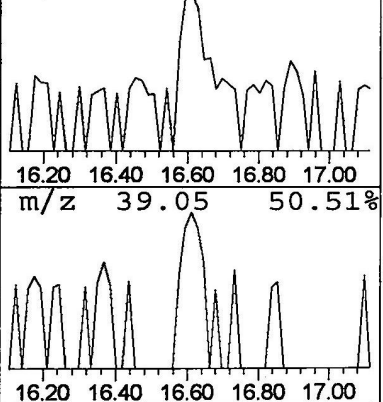
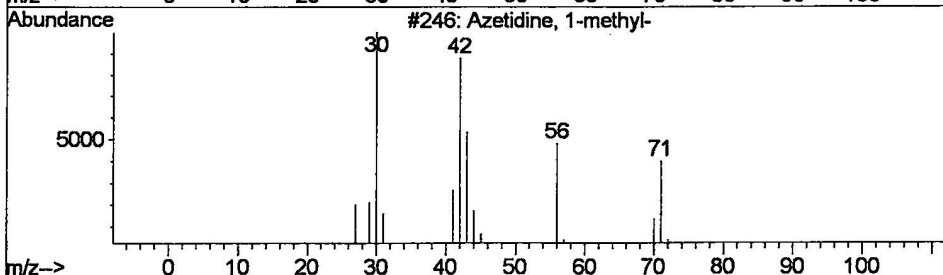
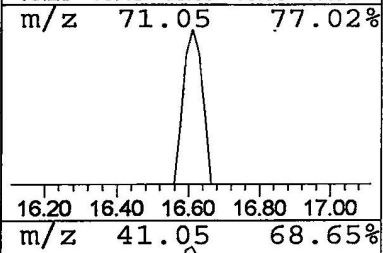
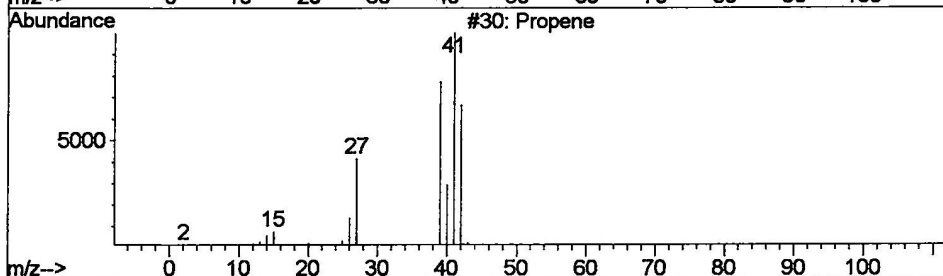
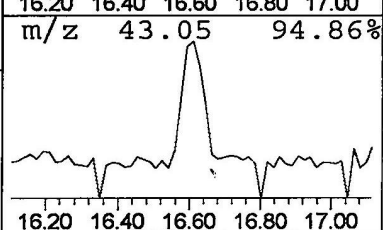
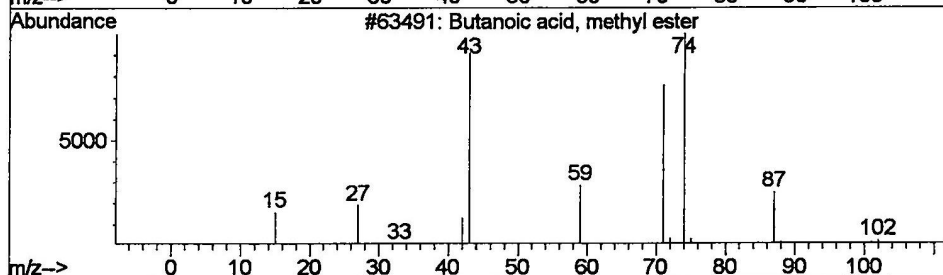
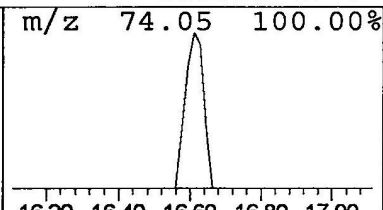
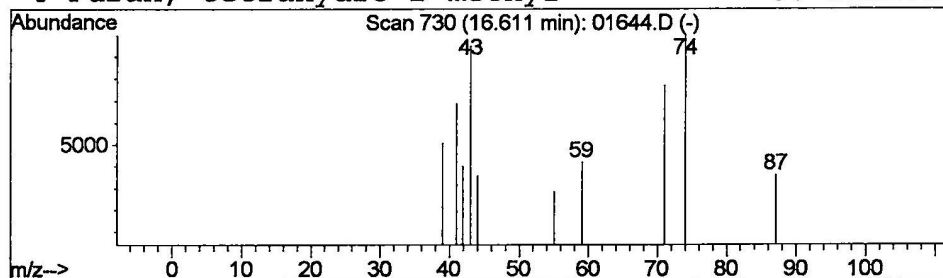
Vial: 12  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.61 | 0.06 ug/L | 61050 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 42   |
| 2       |   | Propene                     | 42  | C3H6    | 000115-07-1 | 9    |
| 3       |   | Azetidine, 1-methyl-        | 71  | C4H9N   | 004923-79-9 | 9    |
| 4       |   | Furan, tetrahydro-2-methyl- | 86  | C5H10O  | 000096-47-9 | 9    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:24:21

Sample: AE01644  
 Analysis: \$D\_524 Volatile Organic Compounds-Duplicate  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.8    |           | .5  |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.6    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | *THM-Chloroform                |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | .5  |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | .5  |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:24:21

Sample: AE01644  
Analysis: \$D\_524 Volatile Organic Compounds-Duplicate  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | .5  |
| 50 | 2-chlorotoluene        |      | < MDL  |           | .5  |
| 51 | 4-chlorotoluene        |      | < MDL  |           | .5  |
| 52 | TERT-butylbenzene      |      | < MDL  |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | .5  |
| 54 | SEC-butylbenzene       |      | < MDL  |           | .5  |
| 55 | P-isopropyltoluene     |      | < MDL  |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | .5  |
| 58 | N-butylbenzene         |      | < MDL  |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | .5  |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | .5  |
| 62 | Naphthalene            |      | < MDL  |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | .5  |

User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:24:32

Sample: AE01644

Analysis: \$P\_524 Duplicate calculation for 524

Units: ug

Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB

Result source: calculation

Page: 1

|    | Component Name             | Viol | Result |
|----|----------------------------|------|--------|
| 1  | Surr - 1,2-DICHLOROETHANE- |      | 0.0    |
| 2  | Surr - 4-BROMOFLUOROBENZ   |      | 0.0    |
| 3  | DICHLORODIFLUOROMETHAN     |      | < MDL  |
| 4  | CHLOROMETHANE              |      | < MDL  |
| 5  | VINYL CHLORIDE             |      | < MDL  |
| 6  | BROMOMETHANE               |      | < MDL  |
| 7  | CHLOROETHANE               |      | < MDL  |
| 8  | TRICHLOROFLUOROMETHANE     |      | < MDL  |
| 9  | 1,1-DICHLOROETHENE         |      | < MDL  |
| 10 | METHYLENE CHLORIDE         |      | < MDL  |
| 11 | METHYL TERT-BUTYL ETHER    |      | < MDL  |
| 12 | TRANS-1,2-DICHLOROETHEN    |      | < MDL  |
| 13 | 1,1-DICHLOROETHANE         |      | < MDL  |
| 14 | 2-BUTANONE (MEK)           |      | < MDL  |
| 15 | 2,2-DICHLOROPROPANE        |      | < MDL  |
| 16 | CIS-1,2-DICHLOROETHENE     |      | < MDL  |
| 17 | *THM-CHLOROFORM            |      | < MDL  |
| 18 | BROMOCHLOROMETHANE         |      | < MDL  |
| 19 | 1,2-DICHLOROETHANE         |      | < MDL  |
| 20 | Surr - TOLUENE-D8          |      | 0.0    |
| 21 | 1,1,1- TRICHLOROETHANE     |      | < MDL  |
| 22 | 1,1-DICHLOROPROPENE        |      | < MDL  |
| 23 | CARBON TETRACHLORIDE       |      | < MDL  |
| 24 | BENZENE                    |      | < MDL  |
| 25 | TRICHLOROETHENE            |      | < MDL  |
| 26 | 1,2-DICHLOROPROPANE        |      | < MDL  |
| 27 | DIBROMOMETHANE             |      | < MDL  |
| 28 | *THM-BROMODICHLOROMET      |      | < MDL  |
| 29 | METHYL ISO-BUTYL KETONE    |      | < MDL  |
| 30 | CIS-1,3-DICHLOROPROPENE    |      | < MDL  |
| 31 | TOLUENE                    |      | < MDL  |
| 32 | TRANS-1,3-DICHLOROPROPE    |      | < MDL  |
| 33 | 1,1,2-TRICHLOROETHANE      |      | < MDL  |
| 34 | TETRACHLOROETHENE          |      | < MDL  |
| 35 | 1,3-DICHLOROPROPANE        |      | < MDL  |
| 36 | *THM-DIBROMOCHLOROMET      |      | < MDL  |
| 37 | 1,2-DIBROMOETHANE          |      | < MDL  |
| 38 | CHLOROBENZENE              |      | < MDL  |
| 39 | 1,1,1,2-TETRACHLOROETHA    |      | < MDL  |
| 40 | 2-HEXANONE                 |      | < MDL  |
| 41 | ETHYLBENZENE               |      | < MDL  |
| 42 | P & M-XYLENE               |      | < MDL  |
| 43 | O-XYLENE                   |      | < MDL  |
| 44 | STYRENE                    |      | < MDL  |
| 45 | 1,1,2,2-TETRACHLOROETHA    |      | < MDL  |
| 46 | *THM-BROMOFORM             |      | < MDL  |
| 47 | ISOPROPYLBENZENE           |      | < MDL  |
| 48 | 1,2,3-TRICHLOROPROPANE     |      | < MDL  |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:24:32

Sample: AE01644  
Analysis: \$P\_524 Duplicate calculation for 524  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: calculation  
Page: 2

|    | Component Name          | Viol | Result |
|----|-------------------------|------|--------|
| 49 | N-PROPYLBENZENE         |      | < MDL  |
| 50 | BROMOBENZENE            |      | < MDL  |
| 51 | 1,3,5-TRIMETHYLBENZENE  |      | < MDL  |
| 52 | 2-CHLOROTOLUENE         |      | < MDL  |
| 53 | 4-CHLOROTOLUENE         |      | < MDL  |
| 54 | TERT-BUTYLBENZENE       |      | < MDL  |
| 55 | 1,2,4-TRIMETHYLBENZENE  |      | < MDL  |
| 56 | SEC-BUTYLBENZENE        |      | < MDL  |
| 57 | P-ISOPROPYLTOLUENE      |      | < MDL  |
| 58 | 1,3-DICHLOROBENZENE     |      | < MDL  |
| 59 | 1,4-DICHLOROBENZENE     |      | < MDL  |
| 60 | N-BUTYLBENZENE          |      | < MDL  |
| 61 | 1,2-DICHLOROBENZENE     |      | < MDL  |
| 62 | 1,2-DIBROMO-3-CHLOROPRO |      | < MDL  |
| 63 | 1,2,4-TRICHLOROBENZENE  |      | < MDL  |
| 64 | HEXACHLOROBUTADIENE     |      | < MDL  |
| 65 | NAPHTHALENE             |      | < MDL  |
| 66 | 1,2,3-TRICHLOROBENZENE  |      | < MDL  |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01644D.D  
 Acq On : 1 Feb 2002 7:11 pm  
 Sample : nyc dup  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:22 2002

Vial: 13  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.18 | 114  | 1530842  | 5.00  | ug/L    | 0.07      |
| 24) CHLOROBENZENE-D5        | 21.83 | 117  | 1455930  | 5.00  | ug/L    | 0.07      |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.02 | 152  | 662488   | 5.00  | ug/L    | 0.07      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.42 | 65   | 633679   | 4.78  | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =     | 95.60%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.42 | 174  | 536009   | 4.57  | ug/L    | 0.07      |
| Spiked Amount               | 5.000 |      | Recovery | =     | 91.40%  |           |
| 25) TOLUENE-D8              | 18.52 | 98   | 1866516  | 5.14  | ug/L    | 0.05      |
| Spiked Amount               | 5.000 |      | Recovery | =     | 102.80% |           |
| Target Compounds            |       |      |          |       |         |           |
| 12) ACETONE                 | 8.32  | 43   | 94418    | 11.43 | ug/L    | Qvalue 98 |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 26296    | 0.37  | ug/L    | 97        |
| 18) 2-BUTANONE (MEK)        | 12.07 | 43   | 100647   | 5.18  | ug/L    | 95        |
| 46) 2-HEXANONE              | 19.27 | 43   | 5271     | 0.21  | ug/L    | 30        |

(#) = qualifier out of range (m) = manual integration  
 01644D.D HP013102.M Mon Feb 04 10:22:57 2002

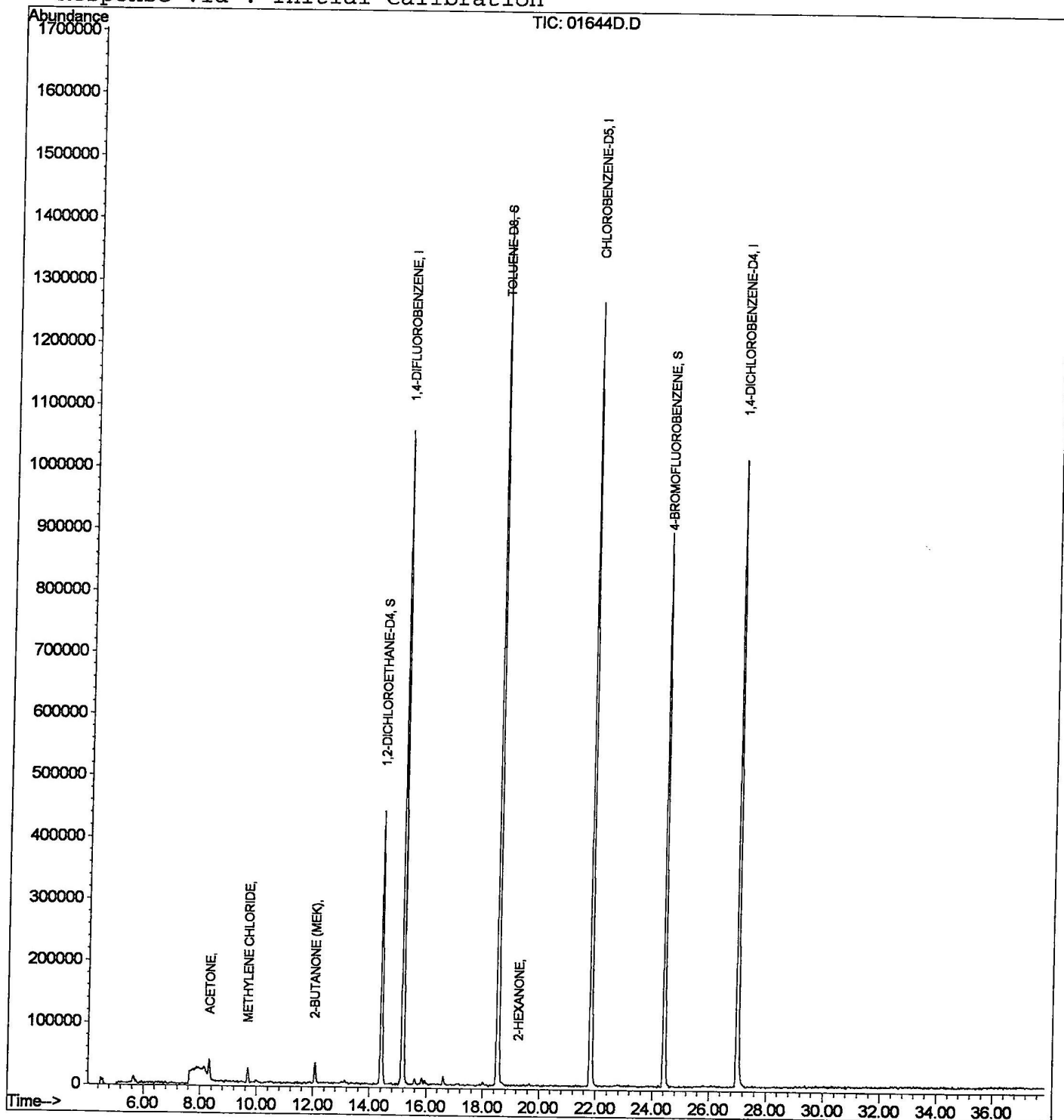
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644D.D  
Acq On : 1 Feb 2002 7:11 pm  
Sample : nyc dup  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:22 2002

Vial: 13  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration





# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644D.D  
 Acq On : 1 Feb 2002 7:11 pm  
 Sample : nyc dup  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

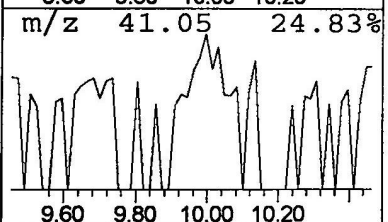
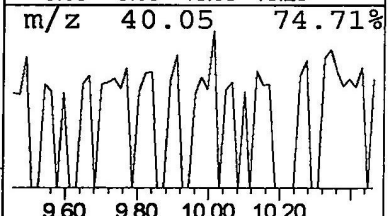
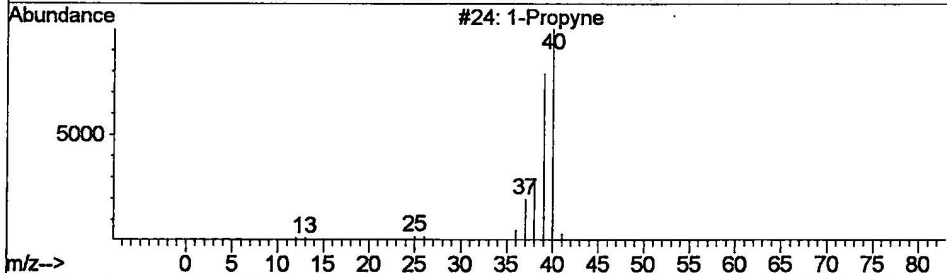
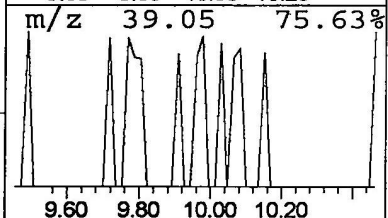
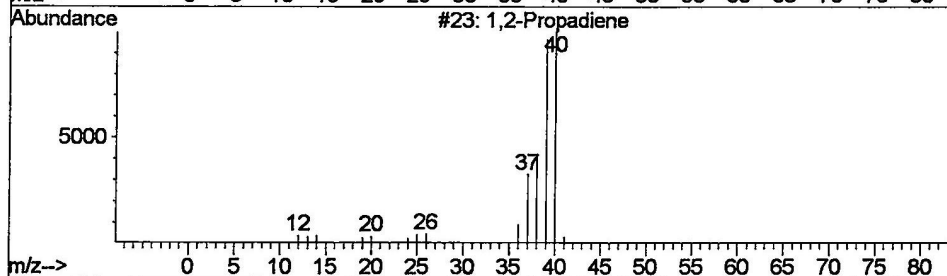
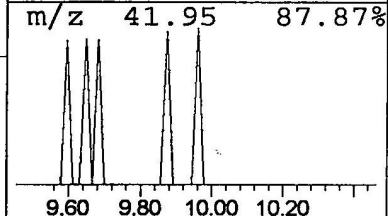
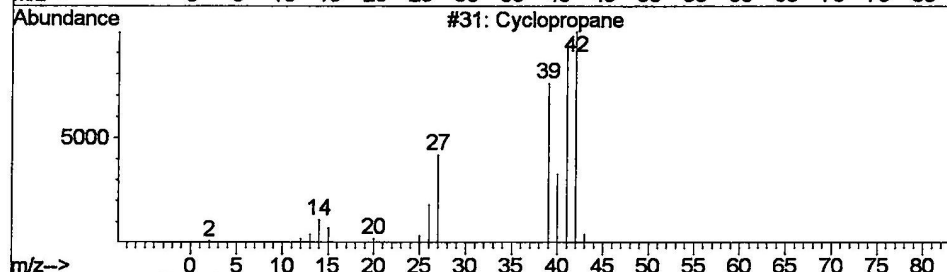
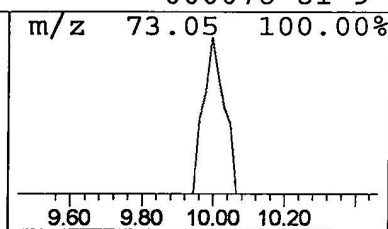
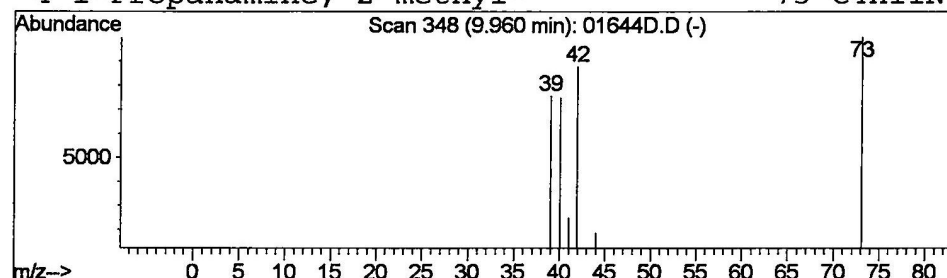
Vial: 13  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Cyclopropane Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T.  |
|------|-----------|-------|---------------------|-------|
| 9.96 | 0.03 ug/L | 23144 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|---------|---|--------------------------|----|---------|-------------|------|
| 1       |   | Cyclopropane             | 42 | C3H6    | 000075-19-4 | 5    |
| 2       |   | 1,2-Propadiene           | 40 | C3H4    | 000463-49-0 | 5    |
| 3       |   | 1-Propyne                | 40 | C3H4    | 000074-99-7 | 5    |
| 4       |   | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 4    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644D.D  
 Acq On : 1 Feb 2002 7:11 pm  
 Sample : nyc dup  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

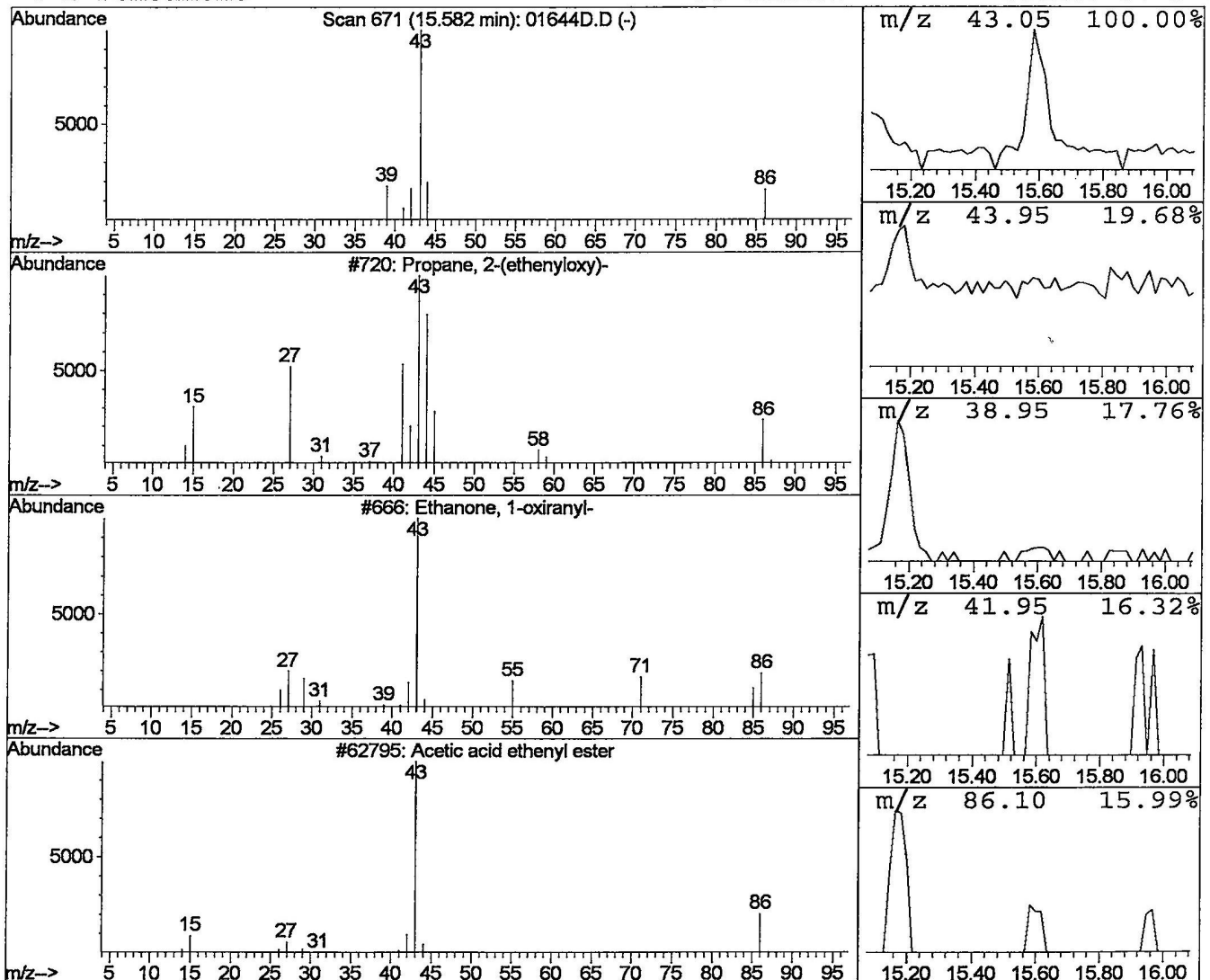
Vial: 13  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 Propane, 2-(ethenyloxy)- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.58 | 0.04 ug/L | 34090 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID              | MW | MolForm | CAS#        | Qual |
|---------|---|---------------------------|----|---------|-------------|------|
| 1       |   | Propane, 2-(ethenyloxy)-  | 86 | C5H10O  | 000926-65-8 | 7    |
| 2       |   | Ethanone, 1-oxiranyl-     | 86 | C4H6O2  | 004401-11-0 | 5    |
| 3       |   | Acetic acid ethenyl ester | 86 | C4H6O2  | 000108-05-4 | 5    |
| 4       |   | 2-Pentanone               | 86 | C5H10O  | 000107-87-9 | 5    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644D.D

Acq On : 1 Feb 2002 7:11 pm

Sample : nyc dup

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 13

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

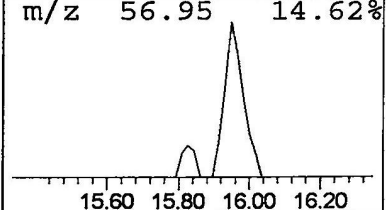
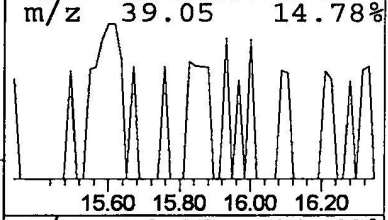
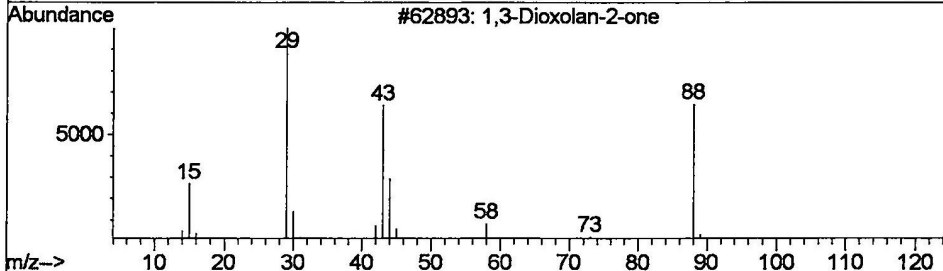
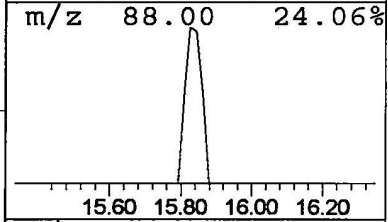
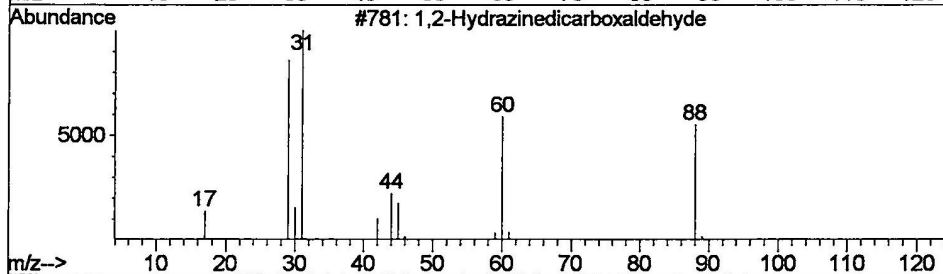
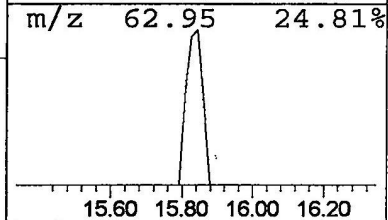
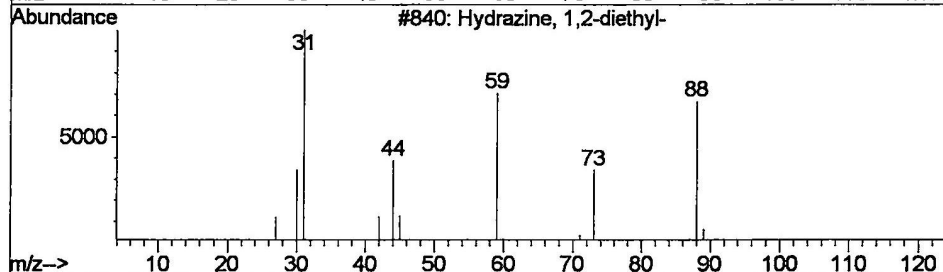
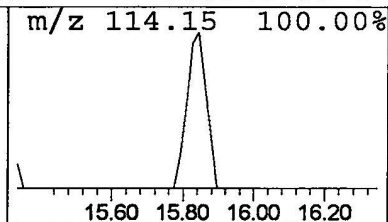
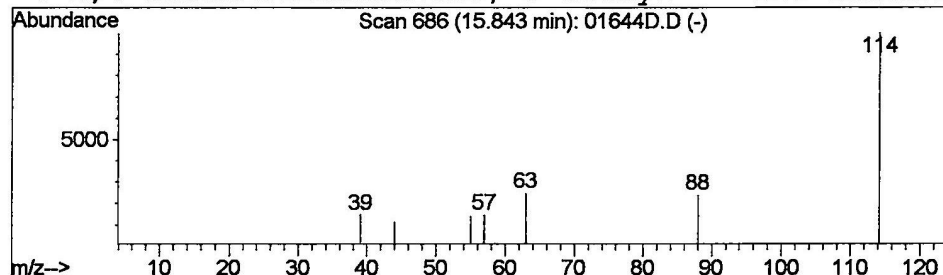
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Hydrazine, 1,2-diethyl- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.84 | 0.04 ug/L | 36218 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hydrazine, 1,2-diethyl-           | 88  | C4H12N2  | 001615-80-1 | 4    |
| 2    |    |   | 1,2-Hydrazinedicarboxaldehyde     | 88  | C2H4N2O2 | 000628-36-4 | 4    |
| 3    |    |   | 1,3-Dioxolan-2-one                | 88  | C3H4O3   | 000096-49-1 | 4    |
| 4    |    |   | 2,4-Imidazolidinedione, 3-methyl- | 114 | C4H6N2O2 | 006843-45-4 | 3    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01644D.D

Acq On : 1 Feb 2002 7:11 pm

Sample : nyc dup

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 13

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

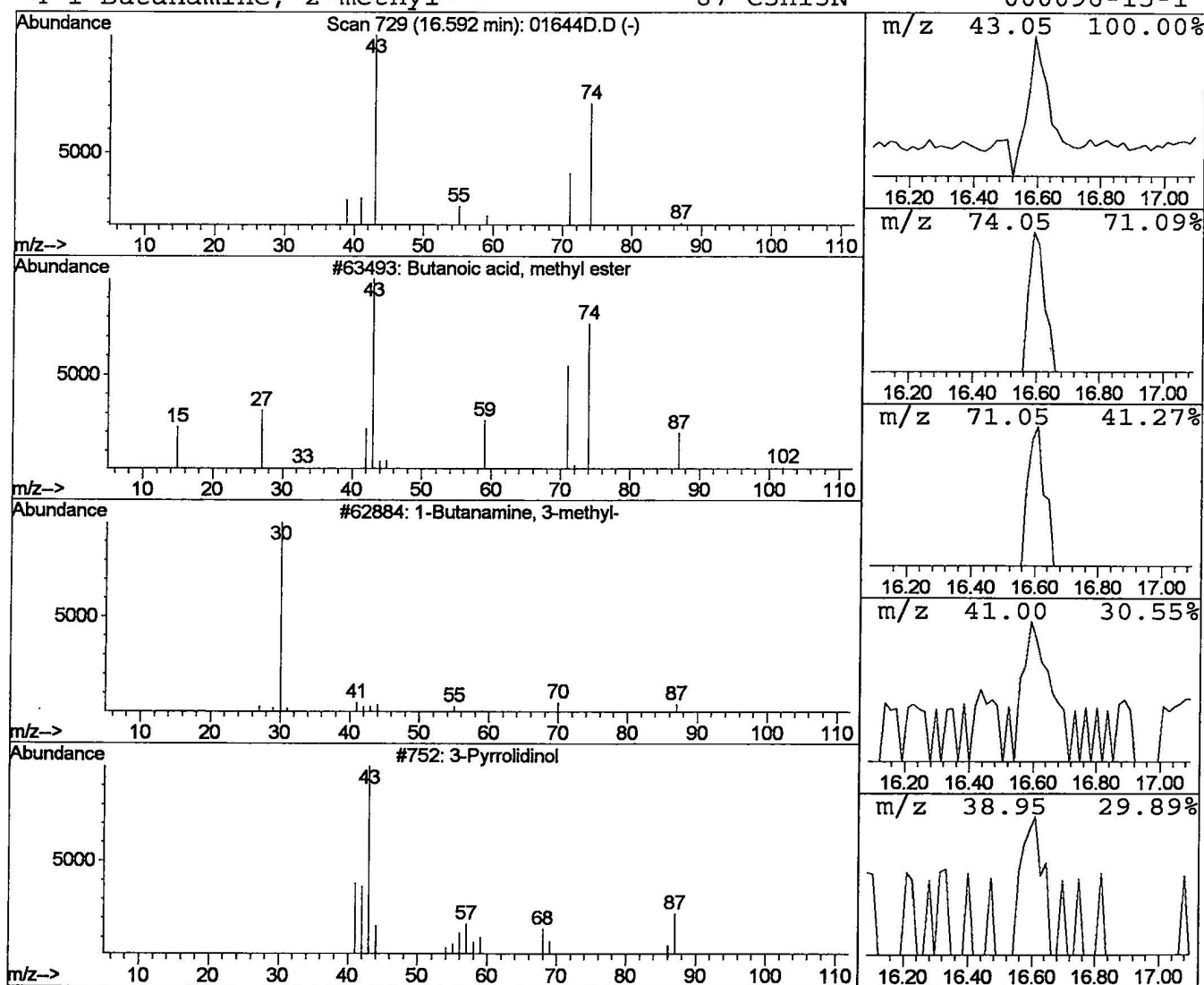
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 4 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.59 | 0.07 ug/L | 57379 | 1,4-DIFLUOROBENZENE | 15.18 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 64   |
| 2       |   | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 7    |
| 3       |   | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 5    |
| 4       |   | 1-Butanamine, 2-methyl-     | 87  | C5H13N  | 000096-15-1 | 5    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:24:51

Sample: AE01645  
 Analysis: §524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.7    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.6    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.2    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

|             |               |
|-------------|---------------|
| REVIEWED BY | <u>AV</u>     |
| DATE        | <u>2/8/02</u> |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:24:51

Sample: AE01645  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 11:16 Ended: 2/4/02 11:16 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D  
 Acq On : 1 Feb 2002 7:54 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:23 2002

Vial: 14  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.16 | 114  | 1539942  | 5.00  | ug/L    | 0.05     |
| 24) CHLOROBENZENE-D5        | 21.81 | 117  | 1456039  | 5.00  | ug/L    | 0.05     |
| 52) 1,4-DICHLOROBENZENE-D4  | 27.00 | 152  | 662185   | 5.00  | ug/L    | 0.05     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.40 | 65   | 629302   | 4.72  | ug/L    | 0.05     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 94.40%  |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.41 | 174  | 542627   | 4.59  | ug/L    | 0.05     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 91.80%  |          |
| 25) TOLUENE-D8              | 18.52 | 98   | 1876314  | 5.16  | ug/L    | 0.05     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 103.20% |          |
| Target Compounds            |       |      |          |       |         |          |
| 12) ACETONE                 | 8.32  | 43   | 108631   | 13.08 | ug/L    | 98       |
| 14) METHYLENE CHLORIDE      | 9.68  | 49   | 25552    | 0.36  | ug/L    | 98       |
| 18) 2-BUTANONE (MEK)        | 12.07 | 43   | 93595    | 4.79  | ug/L    | 98       |
| 46) 2-HEXANONE              | 19.27 | 43   | 2172     | 0.09  | ug/L    | 30       |

(#) = qualifier out of range (m) = manual integration

01645.D HP013102.M Mon Feb 04 10:23:45 2002

Page 1

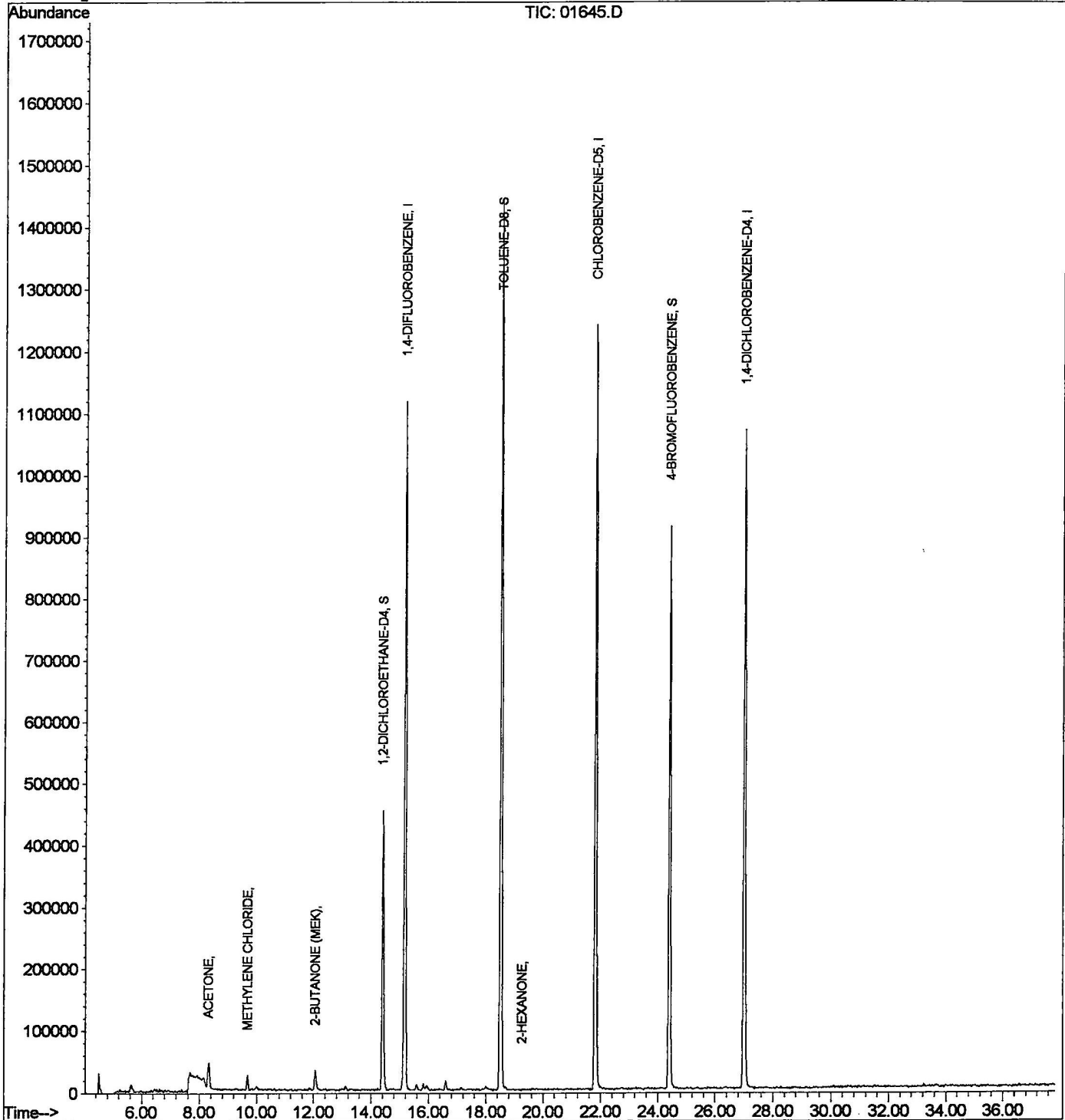
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D  
 Acq On : 1 Feb 2002 7:54 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:23 2002

Vial: 14  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D  
 Acq On : 1 Feb 2002 7:54 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

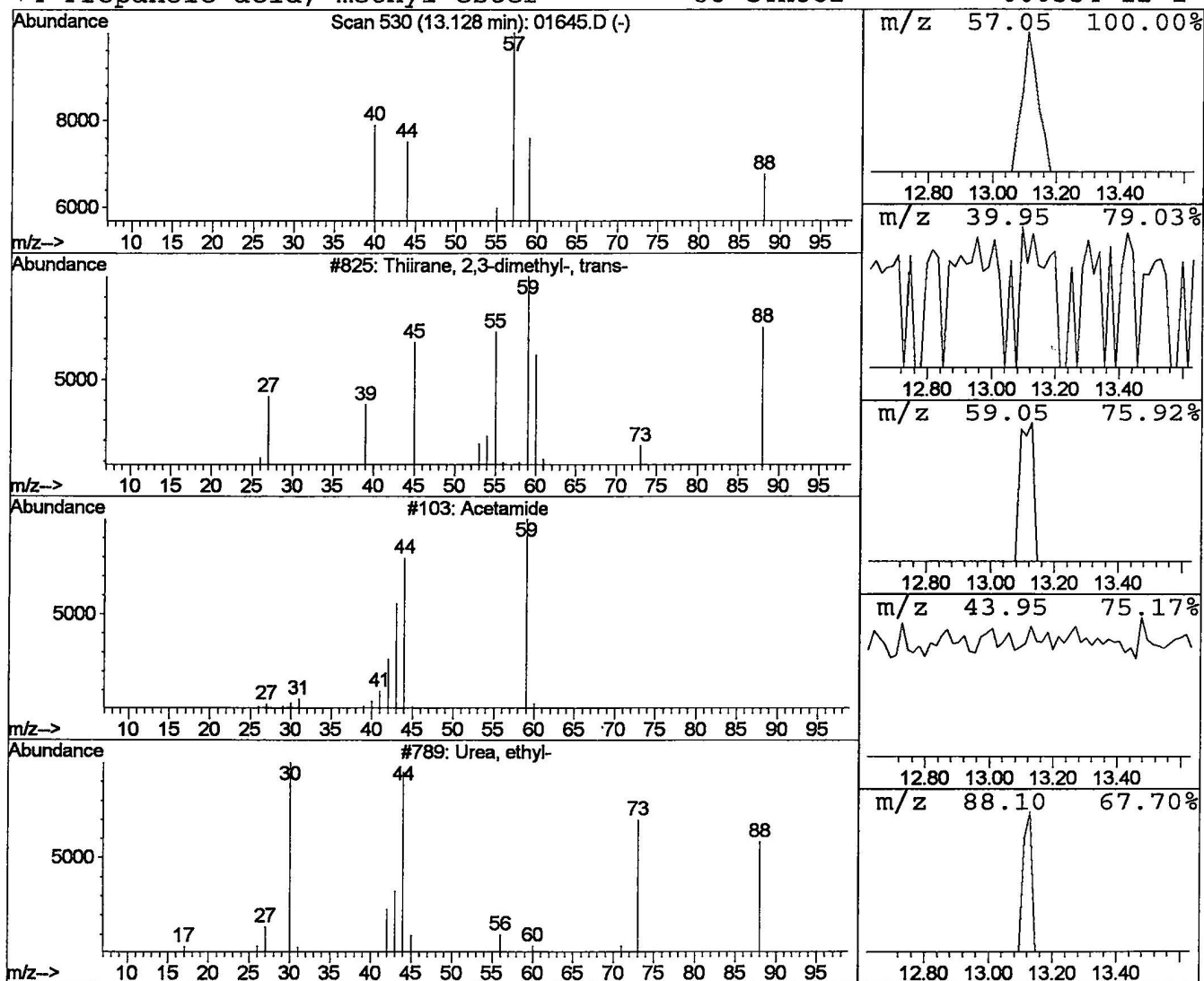
Vial: 14  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Thiirane, 2,3-dimethyl-, trans Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 13.13 | 0.03 ug/L | 29115 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of 5 | Tentative ID                    | MW | MolForm | CAS#        | Qual |
|-----------|---------------------------------|----|---------|-------------|------|
| 1         | Thiirane, 2,3-dimethyl-, trans- | 88 | C4H8S   | 005955-98-6 | 9    |
| 2         | Acetamide                       | 59 | C2H5NO  | 000060-35-5 | 5    |
| 3         | Urea, ethyl-                    | 88 | C3H8N2O | 000625-52-5 | 5    |
| 4         | Propanoic acid, methyl ester    | 88 | C4H8O2  | 000554-12-1 | 4    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D  
 Acq On : 1 Feb 2002 7:54 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

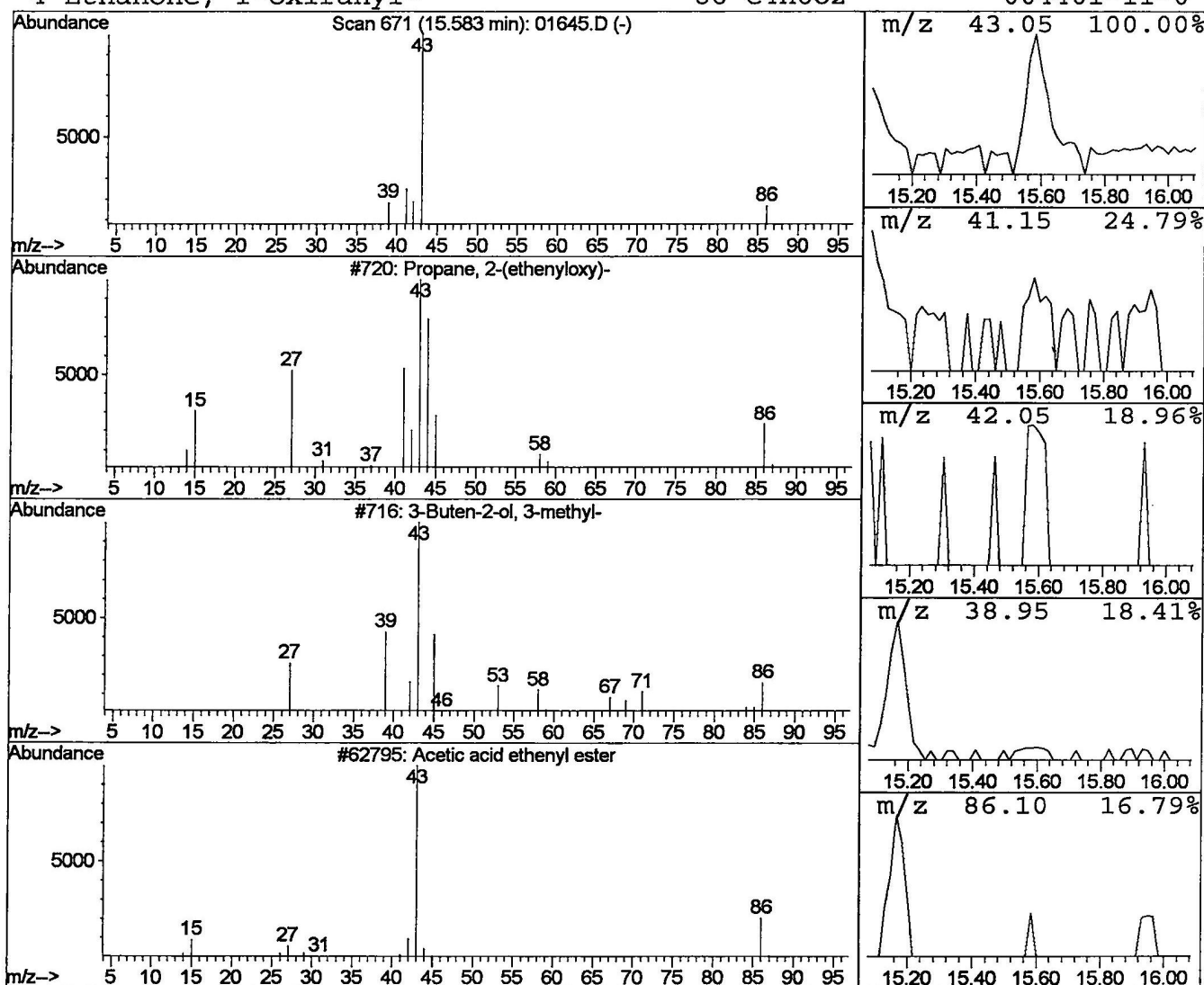
Vial: 14  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 Propane, 2-(ethenyloxy)- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.58 | 0.04 ug/L | 36904 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of | 5 | Tentative ID              | MW | MolForm | CAS#        | Qual |
|---------|---|---------------------------|----|---------|-------------|------|
| 1       |   | Propane, 2-(ethenyloxy)-  | 86 | C5H10O  | 000926-65-8 | 7    |
| 2       |   | 3-Buten-2-ol, 3-methyl-   | 86 | C5H10O  | 010473-14-0 | 5    |
| 3       |   | Acetic acid ethenyl ester | 86 | C4H6O2  | 000108-05-4 | 5    |
| 4       |   | Ethanone, 1-oxiranyl-     | 86 | C4H6O2  | 004401-11-0 | 5    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D  
 Acq On : 1 Feb 2002 7:54 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

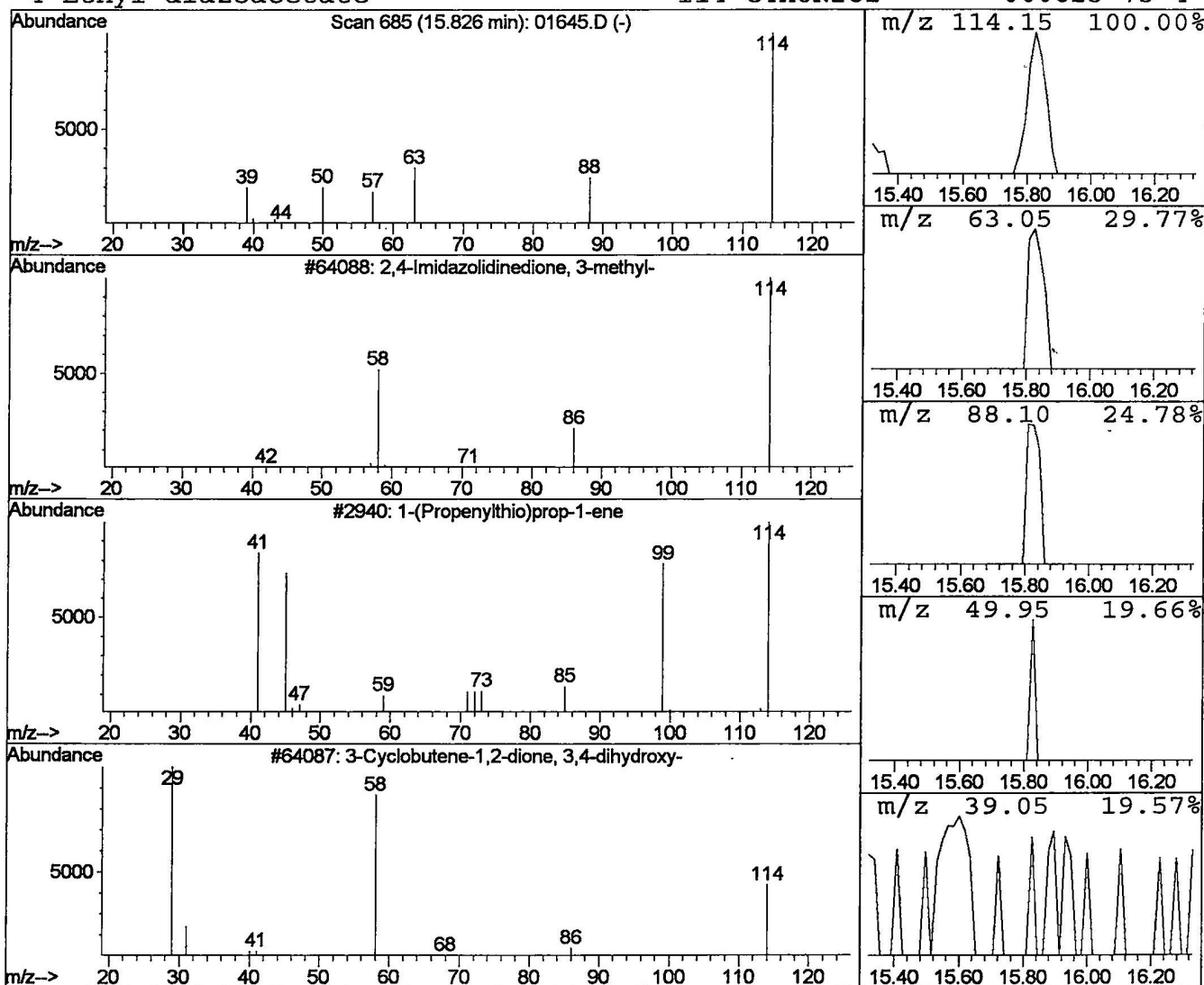
Vial: 14  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.83 | 0.05 ug/L | 39164 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    |   | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D  
 Acq On : 1 Feb 2002 7:54 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

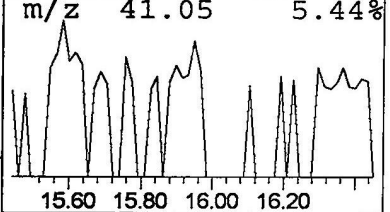
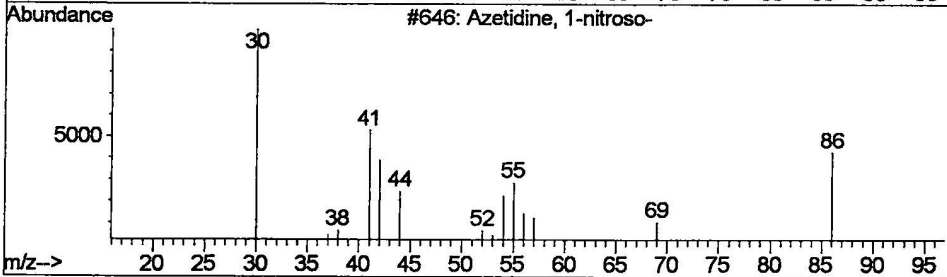
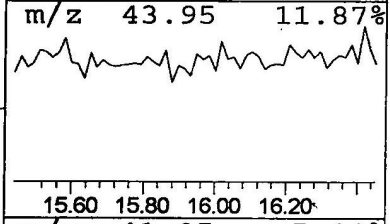
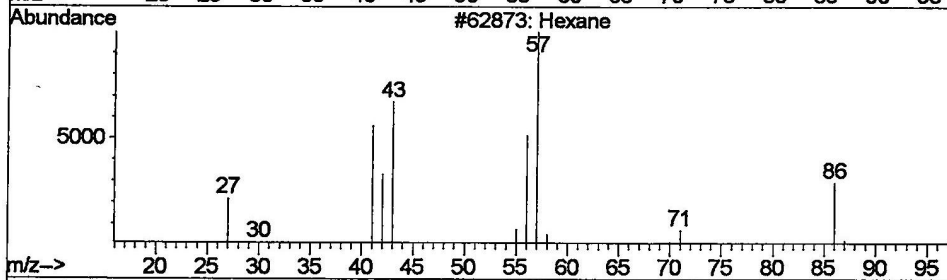
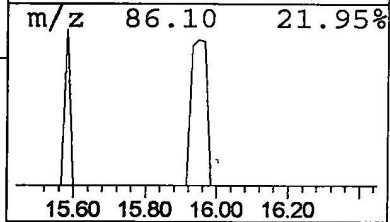
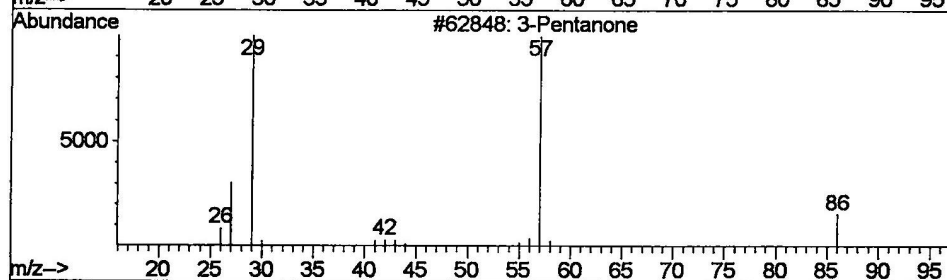
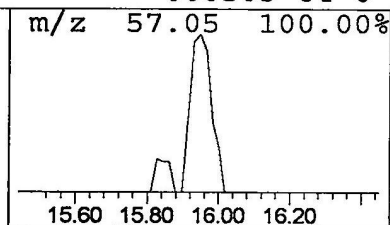
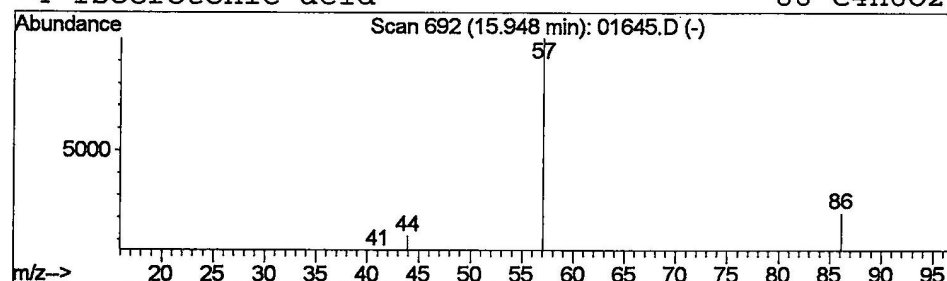
Vial: 14  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 3-Pentanone Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.95 | 0.04 ug/L | 36344 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|---------|---|-----------------------|----|---------|-------------|------|
| 1       |   | 3-Pentanone           | 86 | C5H10O  | 000096-22-0 | 4    |
| 2       |   | Hexane                | 86 | C6H14   | 000110-54-3 | 4    |
| 3       |   | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 4    |
| 4       |   | Isocrotonic acid      | 86 | C4H6O2  | 000503-64-0 | 3    |



Data File : C:\HPCHEM\1\DATA\02FEB01\01645.D

Acq On : 1 Feb 2002 7:54 pm

Sample : nyc

Misc : February 1, 2002

MS Integration Params: LSCINT.P

Vial: 14

Operator: 201-wb

Inst : GC/MS Ins

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

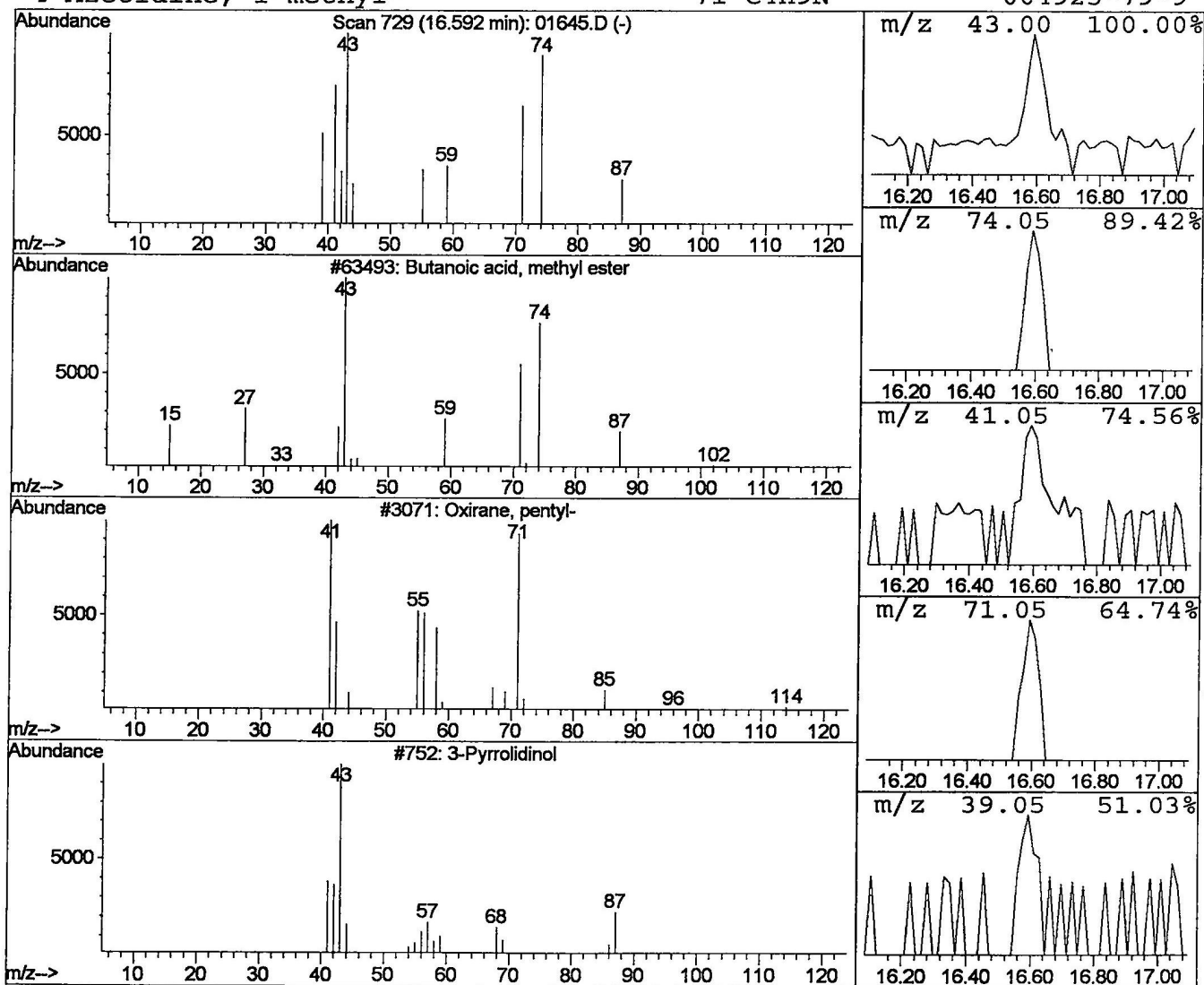
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.59 | 0.06 ug/L | 53098 | 1,4-DIFLUOROBENZENE | 15.17 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 45   |
| 2    |    |   | Oxirane, pentyl-            | 114 | C7H14O  | 005063-65-0 | 9    |
| 3    |    |   | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 7    |
| 4    |    |   | Azetidine, 1-methyl-        | 71  | C4H9N   | 004923-79-9 | 5    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:25:38

Sample: AE01644  
 Analysis: \$C2524 Volatile Organic Compounds-Cal 2  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: a:\0201c10a.rr  
 Page: 1

7-13

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-D      |      | 4.7 /  |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |      | 4.7 /  |           | .5  |
| 3  | Dichlorodifluoromethane        |      | 7.9    |           | .5  |
| 4  | Chloromethane                  |      | 9.4    |           | .5  |
| 5  | Vinyl chloride                 |      | 9.8    |           | .5  |
| 6  | Bromomethane                   |      | 10     |           | .5  |
| 7  | Chloroethane                   |      | 10     |           | .5  |
| 8  | Trichlorofluoromethane         |      | 11     |           | .5  |
| 9  | 1,1-Dichloroethene             |      | 8.4    |           | .5  |
| 10 | Methylene Chloride             |      | 10     |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | 9.5    |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | 9.0    |           | .5  |
| 13 | 1,1-dichloroethane             |      | 8.9    |           | .5  |
| 14 | 2-butanone (MEK)               |      | 13     |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | 8.5    |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | 9.1    |           | .5  |
| 17 | Chloroform                     |      | 9.0    |           | .5  |
| 18 | Bromochloromethane             |      | 9.2    |           | .5  |
| 19 | 1,2-dichloroethane             |      | 8.9    |           | .5  |
| 20 | Surr_TOLUENE-DB                |      | 5.1 /  |           | .5  |
| 21 | 1,1,1- trichloroethane         |      | 8.7    |           | .5  |
| 22 | 1,1-dichloropropene            |      | 9.1    |           | .5  |
| 23 | Carbon tetrachloride           |      | 8.7    |           | .5  |
| 24 | Benzene                        |      | 9.3    |           | .5  |
| 25 | Trichloroethene                |      | 9.1    |           | .5  |
| 26 | 1,2-dichloropropane            |      | 9.4    |           | .5  |
| 27 | Dibromomethane                 |      | 8.8    |           | .5  |
| 28 | Bromodichloromethane           |      | 8.9    |           | .5  |
| 29 | Methyl iso-butyl ketone        |      | 8.8    |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | 9.1    |           | .5  |
| 31 | Toluene                        |      | 9.2    |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | 8.8    |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | 8.9    |           | .5  |
| 34 | Tetrachloroethene              |      | 8.7    |           | .5  |
| 35 | 1,3-dichloropropane            |      | 9.2    |           | .5  |
| 36 | Dibromochloromethane           |      | 8.5    |           | 2.0 |
| 37 | Chlorobenzene                  |      | 9.2    |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | 8.9    |           | .5  |
| 39 | Ethylbenzene                   |      | 9.3    |           | .5  |
| 40 | P & M-xylene                   |      | 19     |           | .5  |
| 41 | O-xylene                       |      | 9.1    |           | .5  |
| 42 | Styrene                        |      | 9.4    |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | 9.7    |           | .5  |
| 44 | Bromoform                      |      | 8.1    |           | 2.0 |
| 45 | Isopropylbenzene               |      | 9.3    |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | 9.0    |           | .5  |
| 47 | N-propylbenzene                |      | 9.4    |           | .5  |
| 48 | Bromobenzene                   |      | 9.2    |           | .5  |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:25:38

Sample: AE01644  
Analysis: §C2524 Volatile Organic Compounds-Cal 2  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: a:\0201c10a.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 9.3    |           | .5  |
| 50 | 2-chlorotoluene        |      | 10     |           | .5  |
| 51 | 4-chlorotoluene        |      | 8.7    |           | .5  |
| 52 | TERT-butylbenzene      |      | 9.3    |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 9.3    |           | .5  |
| 54 | SEC-butylbenzene       |      | 9.5    |           | .5  |
| 55 | P-isopropyltoluene     |      | 9.3    |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 9.3    |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 9.4    |           | .5  |
| 58 | N-butylbenzene         |      | 9.4    |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 9.2    |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 9.0    |           | .5  |
| 61 | Hexachlobutadiene      |      | 9.0    |           | .5  |
| 62 | Naphthalene            |      | 9.0    |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 8.8    |           | .5  |
| 64 | Nitrobenzene           |      | 140    |           | 5.0 |



Data File : C:\HPCHEM\1\DATA\02FEB01\0201C10A.D  
 Acq On : 1 Feb 2002 8:37 pm  
 Sample : cal 10  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:24 2002

Vial: 15  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE         | 15.16 | 114  | 1877162  | 5.00  | ug/L    | 0.05     |
| 24) CHLOROBENZENE-D5           | 21.81 | 117  | 1805558  | 5.00  | ug/L    | 0.05     |
| 52) 1,4-DICHLOROBENZENE-D4     | 27.00 | 152  | 829999   | 5.00  | ug/L    | 0.05     |
| System Monitoring Compounds    |       |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4       | 14.40 | 65   | 768042   | 4.73  | ug/L    | 0.05     |
| Spiked Amount                  | 5.000 |      | Recovery | =     | 94.60%  |          |
| 3) 4-BROMOFLUOROBENZENE        | 24.41 | 174  | 671759   | 4.67  | ug/L    | 0.05     |
| Spiked Amount                  | 5.000 |      | Recovery | =     | 93.40%  |          |
| 25) TOLUENE-D8                 | 18.52 | 98   | 2288109  | 5.08  | ug/L    | 0.05     |
| Spiked Amount                  | 5.000 |      | Recovery | =     | 101.60% |          |
| Target Compounds               |       |      |          |       |         |          |
|                                |       |      |          |       |         | Qvalue   |
| 4) DICHLORODIFLUOROMETHANE     | 4.90  | 85   | 252069   | 7.86  | ug/L    | 99       |
| 5) CHLOROMETHANE               | 5.51  | 50   | 351277   | 9.40  | ug/L    | 98       |
| 6) VINYL CHLORIDE              | 5.62  | 62   | 199504   | 9.78  | ug/L    | 99       |
| 7) BROMOMETHANE                | 6.63  | 94   | 282769   | 10.35 | ug/L    | 93       |
| 8) CHLOROETHANE                | 6.77  | 64   | 246299   | 10.22 | ug/L    | 99       |
| 9) TRICHLOROFLUOROMETHANE      | 7.34  | 101  | 595362   | 10.56 | ug/L    | 98       |
| 11) 1,1,2-Trichloro-1,2,2-trif | 8.22  | 101  | 356766   | 8.52  | ug/L    | 97       |
| 12) ACETONE                    | 8.31  | 43   | 126323   | 12.47 | ug/L    | 96       |
| 13) 1,1-DICHLOROETHENE         | 8.65  | 61   | 743460   | 8.43  | ug/L    | 97       |
| 14) METHYLENE CHLORIDE         | 9.66  | 49   | 881634   | 10.10 | ug/L    | 96       |
| 15) METHYL TERT BUTYL ETHER    | 9.98  | 73   | 1041774  | 9.50  | ug/L    | 98       |
| 16) TRANS-1,2-DICHLOROETHENE   | 10.34 | 61   | 957367   | 8.96  | ug/L    | 99       |
| 17) 1,1-DICHLOROETHANE         | 11.23 | 63   | 1153026  | 8.95  | ug/L    | 98       |
| 18) 2-BUTANONE (MEK)           | 12.05 | 43   | 303127   | 12.74 | ug/L    | 98       |
| 19) 2,2-DICHLOROPROPANE        | 12.45 | 77   | 914130   | 8.47  | ug/L    | 100      |
| 20) CIS-1,2-DICHLOROETHENE     | 12.54 | 96   | 701501   | 9.10  | ug/L    | 97       |
| 21) CHLOROFORM                 | 12.88 | 83   | 1287504  | 8.97  | ug/L    | 100      |
| 22) BROMOCHLOROMETHANE         | 13.25 | 49   | 569697   | 9.22  | ug/L    | 98       |
| 23) 1,2-DICHLOROETHANE         | 14.59 | 62   | 896668   | 8.86  | ug/L    | 98       |
| 26) 1,1,1-TRICHLOROETHANE      | 13.77 | 97   | 999533   | 8.73  | ug/L    | 97       |
| 27) 1,1-DICHLOROPROPENE        | 14.09 | 75   | 930450   | 9.10  | ug/L    | 100      |
| 28) CARBON TETRACHLORIDE       | 14.35 | 117  | 809735   | 8.69  | ug/L    | 99       |
| 29) BENZENE                    | 14.69 | 78   | 2333028  | 9.26  | ug/L    | 99       |
| 30) TRICHLOROETHENE            | 15.97 | 95   | 761499   | 9.09  | ug/L    | 99       |
| 31) 1,2-DICHLOROPROPANE        | 16.33 | 63   | 691270   | 9.40  | ug/L    | 99       |
| 32) DIBROMOMETHANE             | 16.99 | 174  | 347005   | 8.82  | ug/L    | 95       |
| 33) BROMODICHLOROMETHANE       | 16.84 | 83   | 983190   | 8.87  | ug/L    | 99       |
| 34) 2-CHLOROETHYL VINYL ETHER  | 17.32 | 63   | 285379   | 9.11  | ug/L    | 99       |

(#) = qualifier out of range (m) = manual integration

0201C10A.D HP013102.M

Mon Feb 04 10:24:47 2002

Page 1



Data File : C:\HPCHEM\1\DATA\02FEB01\0201C10A.D  
 Acq On : 1 Feb 2002 8:37 pm  
 Sample : cal 10  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:24 2002

Vial: 15  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Compound                       | R.T.  | QIon | Response | Conc Unit   | Qvalue |
|--------------------------------|-------|------|----------|-------------|--------|
| 35) METHYL ISO-BUTYL KETONE    | 17.39 | 58   | 143163   | 8.75 ug/L   | 98     |
| 36) CIS-1,3-DICHLOROPROPENE    | 17.93 | 75   | 1034471  | 9.14 ug/L   | 98     |
| 37) TOLUENE                    | 18.70 | 91   | 2554740  | 9.15 ug/L   | 100    |
| 38) TRANS-1,3-DICHLOROPROPENE  | 18.96 | 75   | 774664   | 8.80 ug/L   | 97     |
| 39) 1,1,2-TRICHLOROETHANE      | 19.36 | 97   | 427973   | 8.85 ug/L   | 99     |
| 40) TETRACHLOROETHENE          | 20.14 | 166  | 688692   | 8.74 ug/L   | 98     |
| 41) 1,3-DICHLOROPROPANE        | 19.88 | 76   | 835914   | 9.22 ug/L   | 98     |
| 42) DIBROMOCHLOROMETHANE       | 20.58 | 129  | 563719   | 8.48 ug/L   | 99     |
| 43) 1,2-DIBROMOETHANE          | 21.03 | 107  | 485935   | 8.98 ug/L   | 96     |
| 44) CHLOROBENZENE              | 21.90 | 112  | 1667842  | 9.16 ug/L   | 99     |
| 45) 1,1,1,2-TETRACHLOROETHANE  | 21.95 | 131  | 601782   | 8.89 ug/L   | 99     |
| 46) 2-HEXANONE                 | 19.24 | 43   | 259837   | 8.43 ug/L   | 98     |
| 47) ETHYLBENZENE               | 21.94 | 91   | 3041312  | 9.29 ug/L   | 99     |
| 48) P & M-XYLENE               | 22.09 | 106  | 2044862  | 18.63 ug/L  | 99     |
| 49) O-XYLENE                   | 23.07 | 91   | 2454615  | 9.12 ug/L   | 98     |
| 50) STYRENE                    | 23.14 | 104  | 1767332  | 9.42 ug/L   | 98     |
| 51) 1,1,2,2-TETRACHLOROETHANE  | 24.15 | 83   | 467094   | 9.74 ug/L   | 98     |
| 53) BROMOFORM                  | 23.99 | 173  | 287234   | 8.10 ug/L   | 99     |
| 54) ISOPROPYLBENZENE           | 23.80 | 105  | 2705763  | 9.31 ug/L   | 99     |
| 55) 1,2,3-TRICHLOROPROPANE     | 24.48 | 110  | 140075   | 8.99 ug/L   | 97     |
| 56) N-PROPYLBENZENE            | 24.67 | 91   | 3456128  | 9.43 ug/L   | 99     |
| 57) BROMOBENZENE               | 24.91 | 156  | 685917   | 9.16 ug/L   | 99     |
| 58) 1,3,5-TRIMETHYLBENZENE     | 24.98 | 105  | 2318361  | 9.32 ug/L   | 98     |
| 59) 2-CHLOROTOLUENE            | 25.16 | 91   | 2422376  | 10.02 ug/L  | 99     |
| 60) 4-CHLOROTOLUENE            | 25.22 | 91   | 1932609  | 8.74 ug/L   | 99     |
| 61) TERT-BUTYLBENZENE          | 25.78 | 119  | 2070766  | 9.31 ug/L   | 99     |
| 62) 1,2,4-TRIMETHYLBENZENE     | 25.87 | 105  | 2421894  | 9.35 ug/L   | 99     |
| 63) SEC-BUTYLBENZENE           | 26.23 | 105  | 2876228  | 9.52 ug/L   | 100    |
| 64) P-ISOPROPYLTOLUENE         | 26.50 | 119  | 2186042  | 9.35 ug/L   | 99     |
| 65) 1,3-DICHLOROBENZENE        | 26.86 | 146  | 1251671  | 9.28 ug/L   | 96     |
| 66) 1,4-DICHLOROBENZENE        | 27.07 | 146  | 1278205  | 9.43 ug/L   | 99     |
| 67) N-BUTYLBENZENE             | 27.38 | 91   | 2271800  | 9.43 ug/L   | 100    |
| 68) 1,2-DICHLOROBENZENE        | 27.92 | 146  | 1086158  | 9.21 ug/L   | 99     |
| 69) 1,2-DIBROMO-3-CHLOROPROPAN | 29.72 | 157  | 67825    | 7.98 ug/L   | 99     |
| 70) 1,2,4-TRICHLOROBENZENE     | 32.01 | 180  | 693826   | 9.02 ug/L   | 99     |
| 71) HEXACHLOROBTADIENE         | 32.33 | 225  | 329334   | 9.00 ug/L   | 99     |
| 72) NAPHTHALENE                | 32.87 | 128  | 954084   | 9.03 ug/L   | 100    |
| 73) 1,2,3-TRICHLOROBENZENE     | 33.58 | 180  | 541237   | 8.76 ug/L   | 96     |
| 74) NITROBENZENE               | 29.92 | 77   | 458924   | 138.28 ug/L | 97     |

(#) = qualifier out of range (m) = manual integration  
 0201C10A.D HP013102.M Mon Feb 04 10:24:50 2002

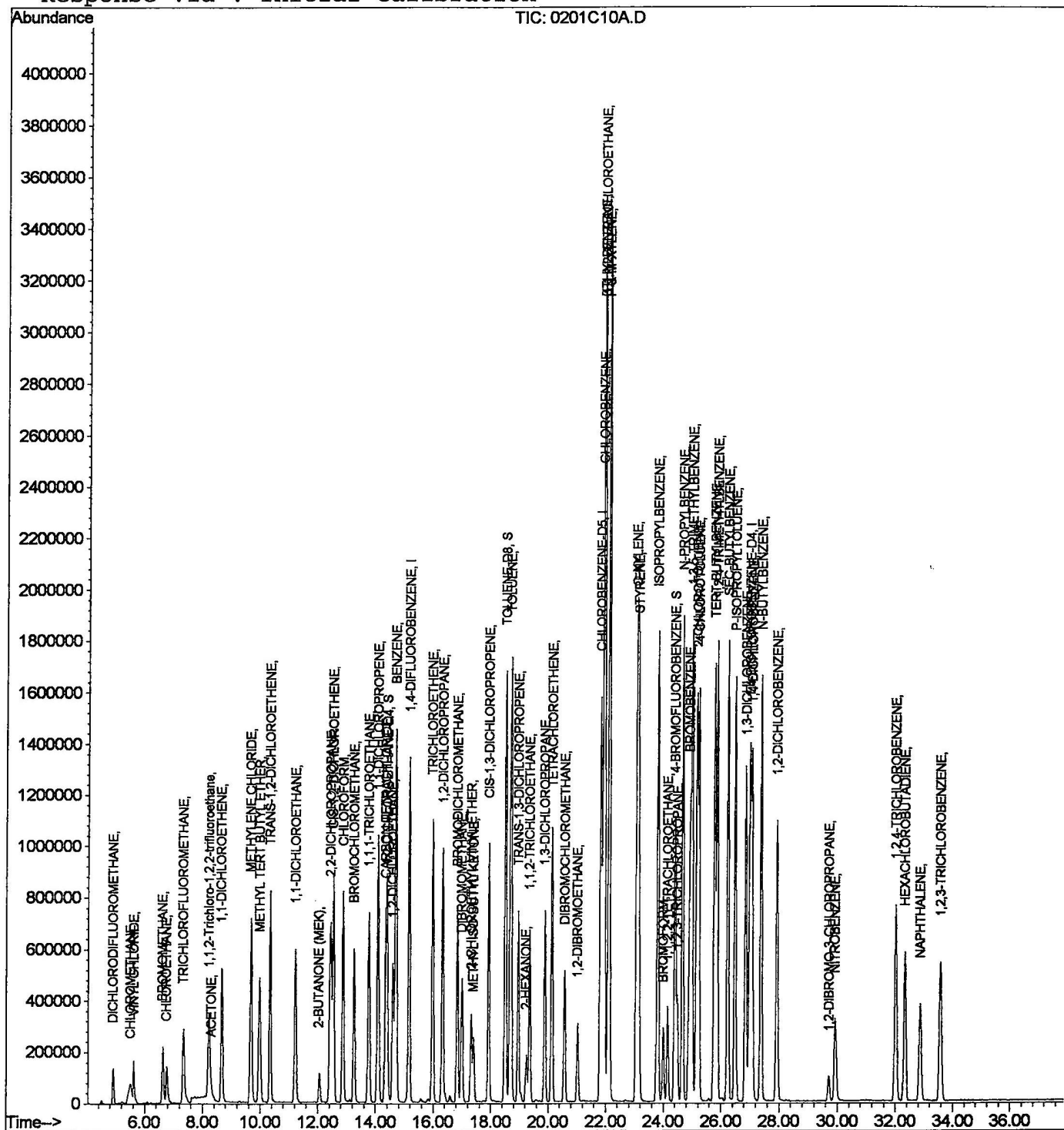
Page 2

Data File : C:\HPCHEM\1\DATA\02FEB01\0201C10A.D  
Acq On : 1 Feb 2002 8:37 pm  
Sample : cal 10  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:24 2002

Vial: 15  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

```
Method       : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)
Title        : VOCs BY EPA METHOD 524
Last Update   : Fri Feb 01 13:18:32 2002
Response via  : Initial Calibration
```



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:26:05

Sample: AE01646  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.9    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.6    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.2    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY DN  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:26:05

Sample: AE01646

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB

Result source: manual entry

Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01646.D  
Acq On : 1 Feb 2002 10:03 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:26 2002

Vial: 17  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration  
DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.15 | 114  | 1729368  | 5.00 | ug/L    | 0.04      |
| 24) CHLOROBENZENE-D5        | 21.81 | 117  | 1640540  | 5.00 | ug/L    | 0.05      |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.98 | 152  | 751556   | 5.00 | ug/L    | 0.04      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.38 | 65   | 729446   | 4.87 | ug/L    | 0.04      |
| Spiked Amount               | 5.000 |      | Recovery | =    | 97.40%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.39 | 174  | 611294   | 4.61 | ug/L    | 0.04      |
| Spiked Amount               | 5.000 |      | Recovery | =    | 92.20%  |           |
| 25) TOLUENE-D8              | 18.51 | 98   | 2117293  | 5.17 | ug/L    | 0.04      |
| Spiked Amount               | 5.000 |      | Recovery | =    | 103.40% |           |
| Target Compounds            |       |      |          |      |         |           |
| 12) ACETONE                 | 8.31  | 43   | 62712    | 6.72 | ug/L    | Qvalue 99 |
| 14) METHYLENE CHLORIDE      | 9.67  | 49   | 28095    | 0.35 | ug/L    | 96        |
| 18) 2-BUTANONE (MEK)        | 12.05 | 43   | 100721   | 4.59 | ug/L    | 93        |
| 46) 2-HEXANONE              | 19.26 | 43   | 7786     | 0.28 | ug/L    | 30        |

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(#) = qualifier out of range (m) = manual integration  
01646.D HP013102.M Mon Feb 04 10:26:38 2002

Page 1

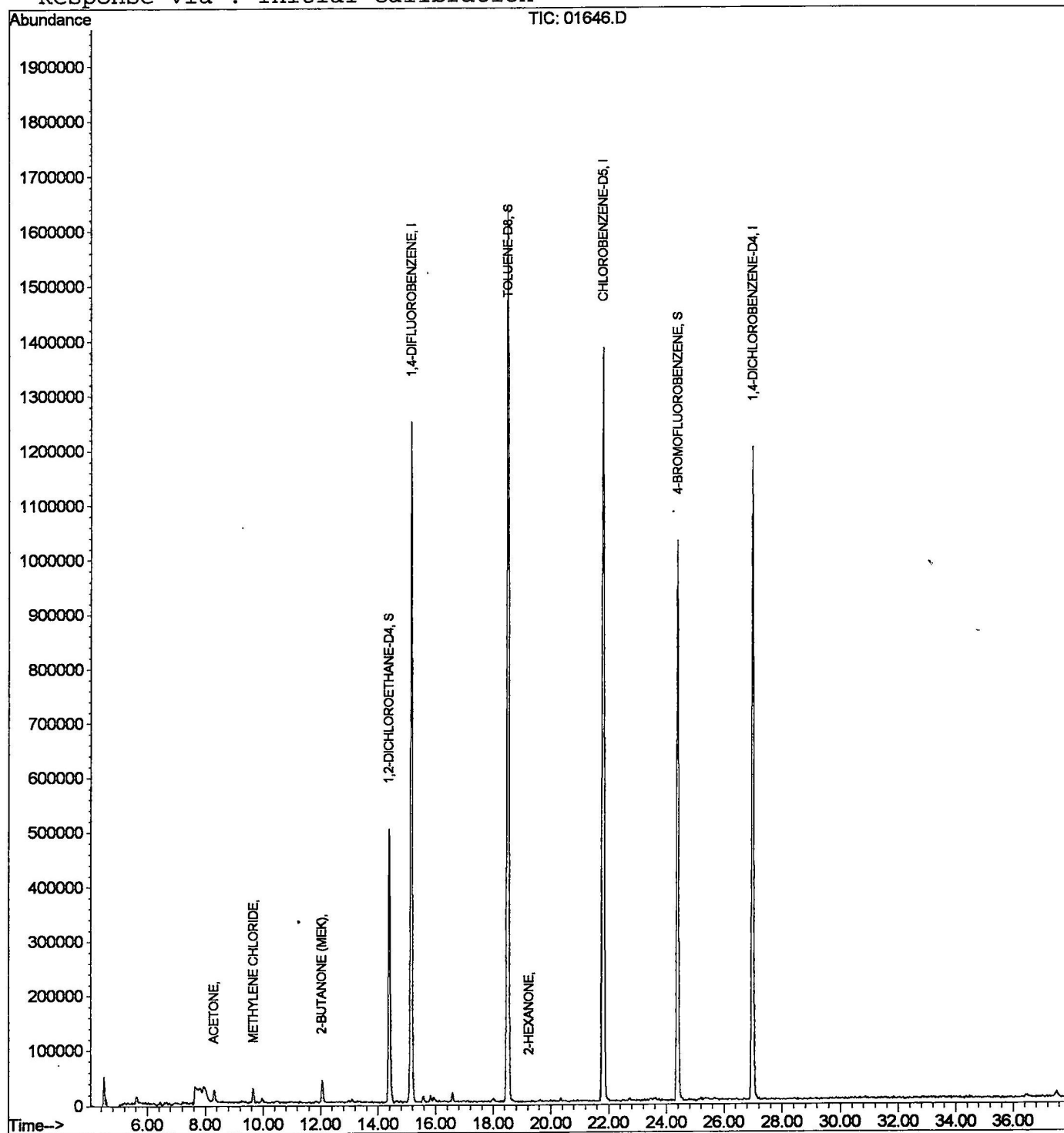
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646.D  
Acq On : 1 Feb 2002 10:03 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:26 2002

Vial: 17  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646.D  
Acq On : 1 Feb 2002 10:03 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

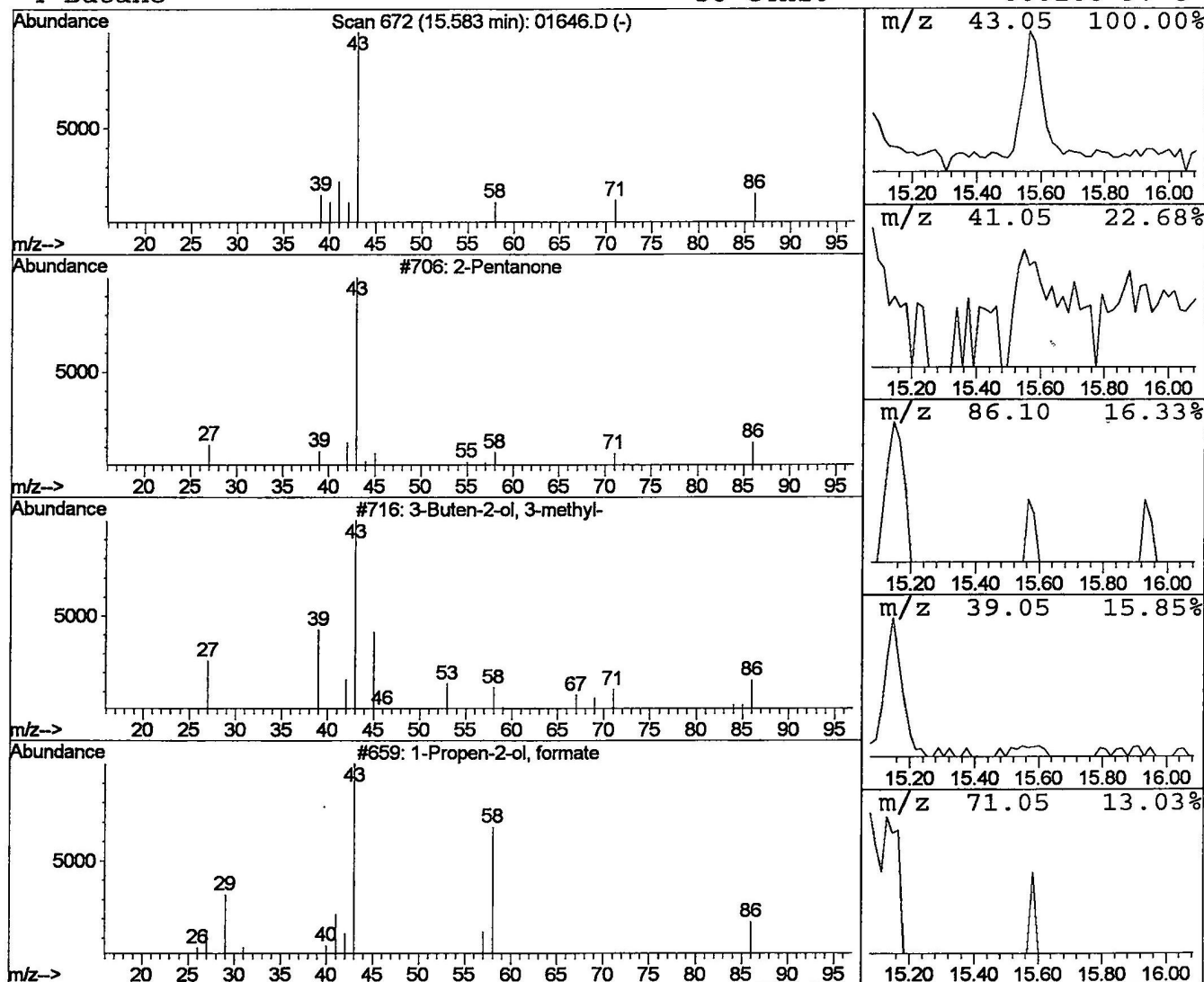
Vial: 17  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 1 2-Pentanone Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.58 | 0.06 ug/L | 53682 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | 2-Pentanone             | 86 | C5H10O  | 000107-87-9 | 83   |
| 2    |    |   | 3-Buten-2-ol, 3-methyl- | 86 | C5H10O  | 010473-14-0 | 64   |
| 3    |    |   | 1-Propen-2-ol, formate  | 86 | C4H6O2  | 032978-00-0 | 33   |
| 4    |    |   | Butane                  | 58 | C4H10   | 000106-97-8 | 9    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646.D  
 Acq On : 1 Feb 2002 10:03 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

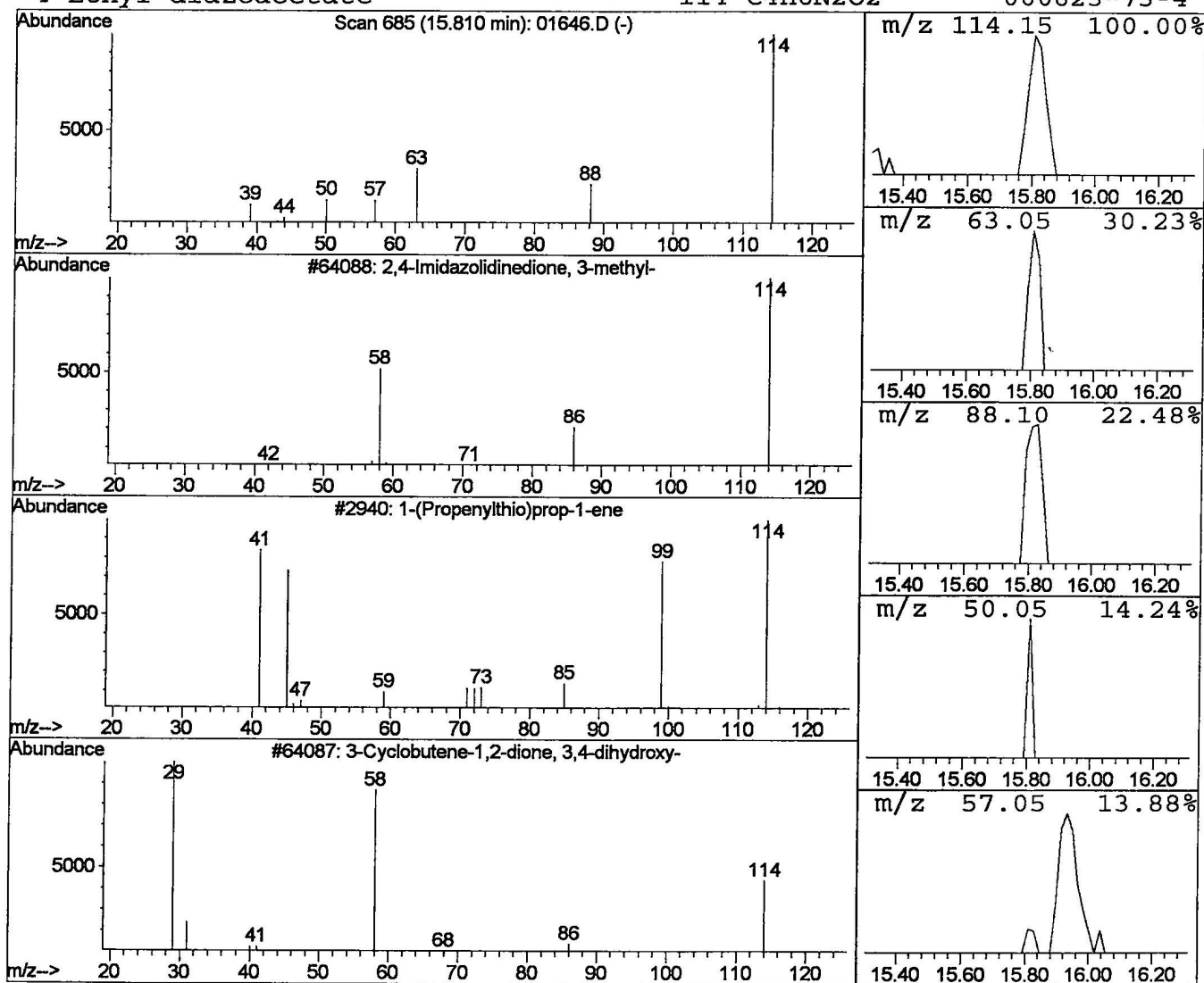
Vial: 17  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 2,4-Imidazolidinedione, 3-meth Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.81 | 0.05 ug/L | 44986 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2       |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3       |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4       |   | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646.D  
 Acq On : 1 Feb 2002 10:03 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

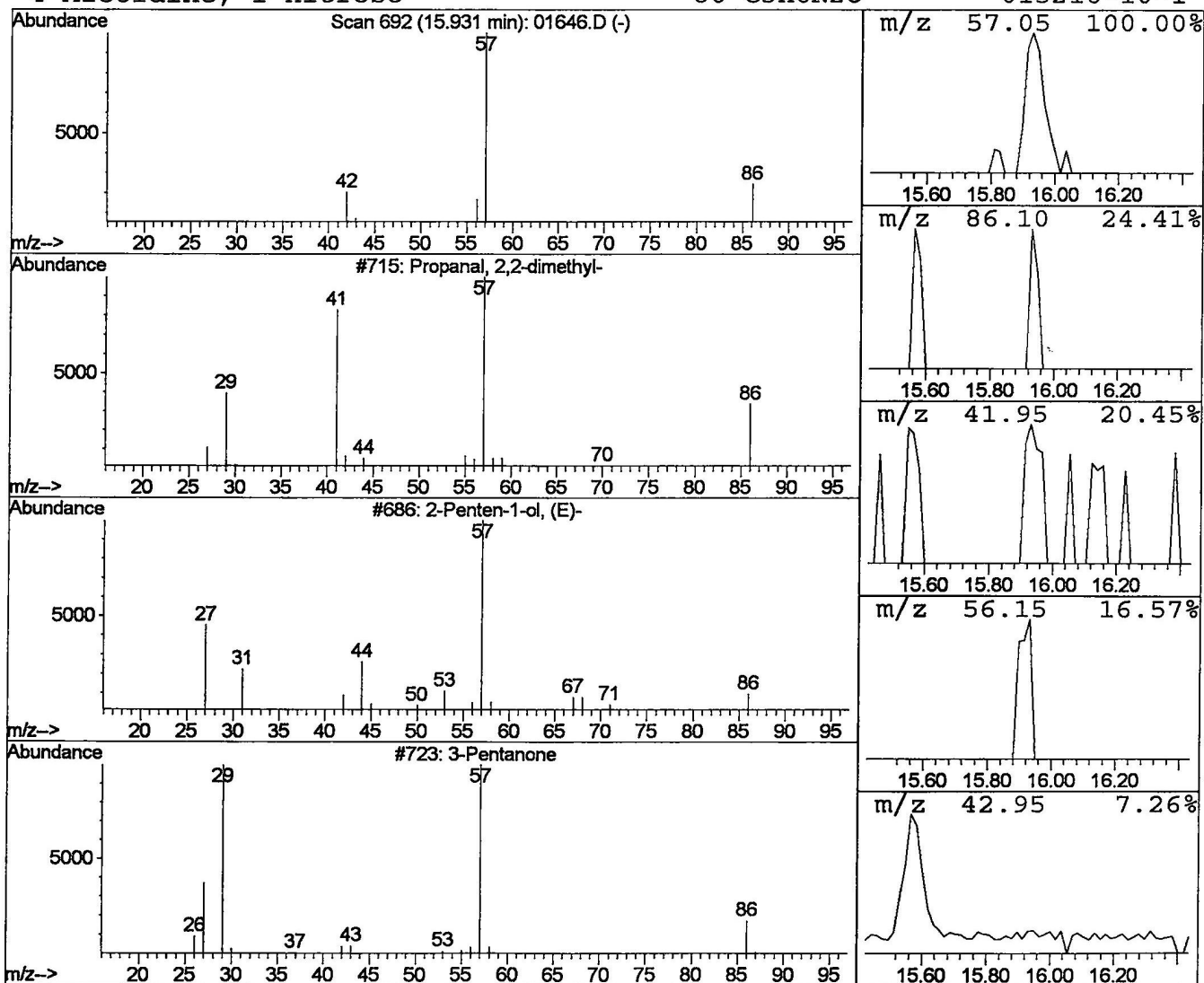
Vial: 17  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Propanal, 2,2-dimethyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.93 | 0.04 ug/L | 36744 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|---------|---|-------------------------|----|---------|-------------|------|
| 1       |   | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 5    |
| 2       |   | 2-Penten-1-ol, (E)-     | 86 | C5H10O  | 001576-96-1 | 5    |
| 3       |   | 3-Pentanone             | 86 | C5H10O  | 000096-22-0 | 5    |
| 4       |   | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 4    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646.D  
 Acq On : 1 Feb 2002 10:03 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

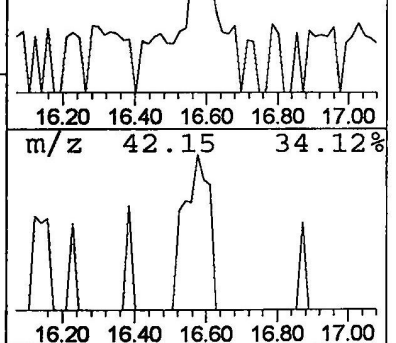
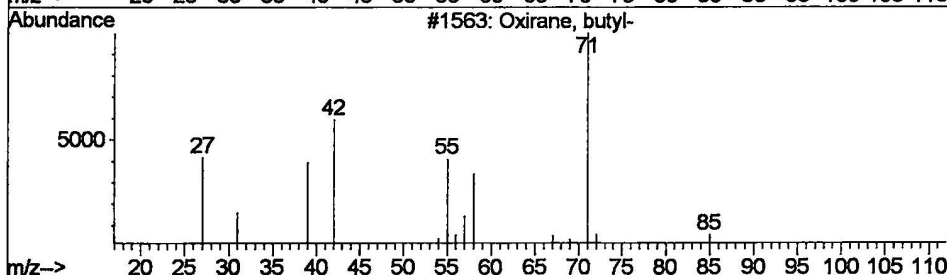
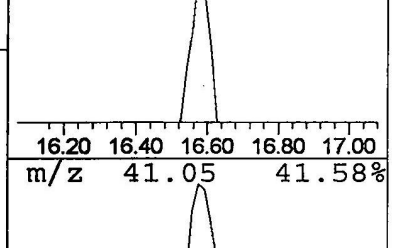
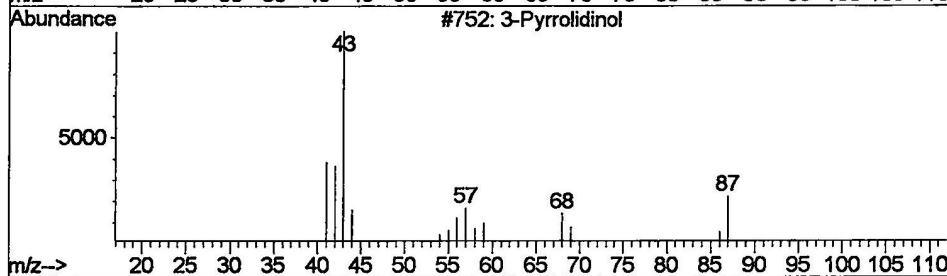
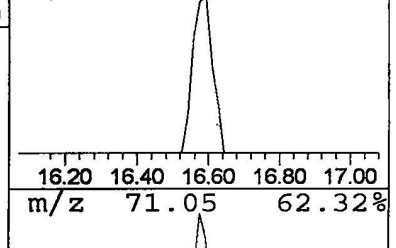
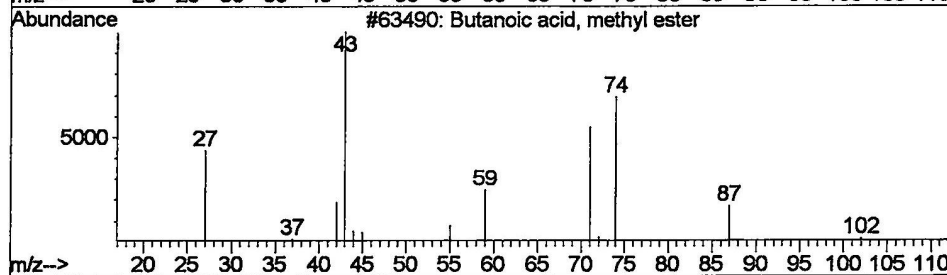
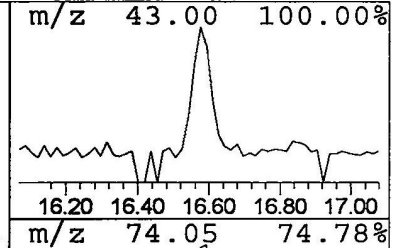
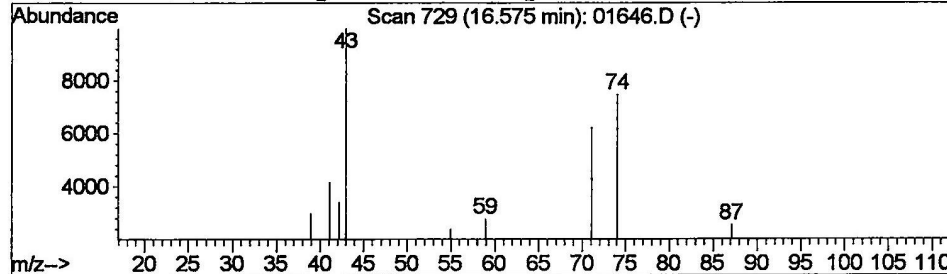
Vial: 17  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.58 | 0.07 ug/L | 69430 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 64   |
| 2    |    |   | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 9    |
| 3    |    |   | Oxirane, butyl-             | 100 | C6H12O  | 001436-34-6 | 9    |
| 4    |    |   | Furan, tetrahydro-2-methyl- | 86  | C5H10O  | 000096-47-9 | 9    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:26:30

Sample: AE01648  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.7    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.7    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:26:30

Sample: AEO1648  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D

Vial: 18

Acq On : 1 Feb 2002 10:47 pm

Operator: 201-wb

Sample : nyc

Inst : GC/MS Ins

Misc : February 1, 2002

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Feb 4 10:27 2002

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Fri Feb 01 13:18:32 2002

Response via : Initial Calibration

DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.15 | 114  | 1770936  | 5.00 | ug/L    | 0.04     |
| 24) CHLOROBENZENE-D5        | 21.80 | 117  | 1706830  | 5.00 | ug/L    | 0.04     |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.98 | 152  | 788879   | 5.00 | ug/L    | 0.04     |
| System Monitoring Compounds |       |      |          |      |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.38 | 65   | 727592   | 4.74 | ug/L    | 0.04     |
| Spiked Amount               | 5.000 |      | Recovery | =    | 94.80%  |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.39 | 174  | 635387   | 4.68 | ug/L    | 0.04     |
| Spiked Amount               | 5.000 |      | Recovery | =    | 93.60%  |          |
| 25) TOLUENE-D8              | 18.51 | 98   | 2153654  | 5.06 | ug/L    | 0.04     |
| Spiked Amount               | 5.000 |      | Recovery | =    | 101.20% |          |
| Target Compounds            |       |      |          |      |         |          |
| 12) ACETONE                 | 8.31  | 43   | 86531    | 9.06 | ug/L    | 98       |
| 14) METHYLENE CHLORIDE      | 9.65  | 49   | 28546    | 0.35 | ug/L    | 90       |
| 18) 2-BUTANONE (MEK)        | 12.05 | 43   | 110106   | 4.90 | ug/L    | 96       |
| 46) 2-HEXANONE              | 19.24 | 43   | 7367     | 0.25 | ug/L    | 30       |

-----  
(#) = qualifier out of range (m) = manual integration

01648.D HP013102.M Mon Feb 04 10:27:30 2002

Page 1

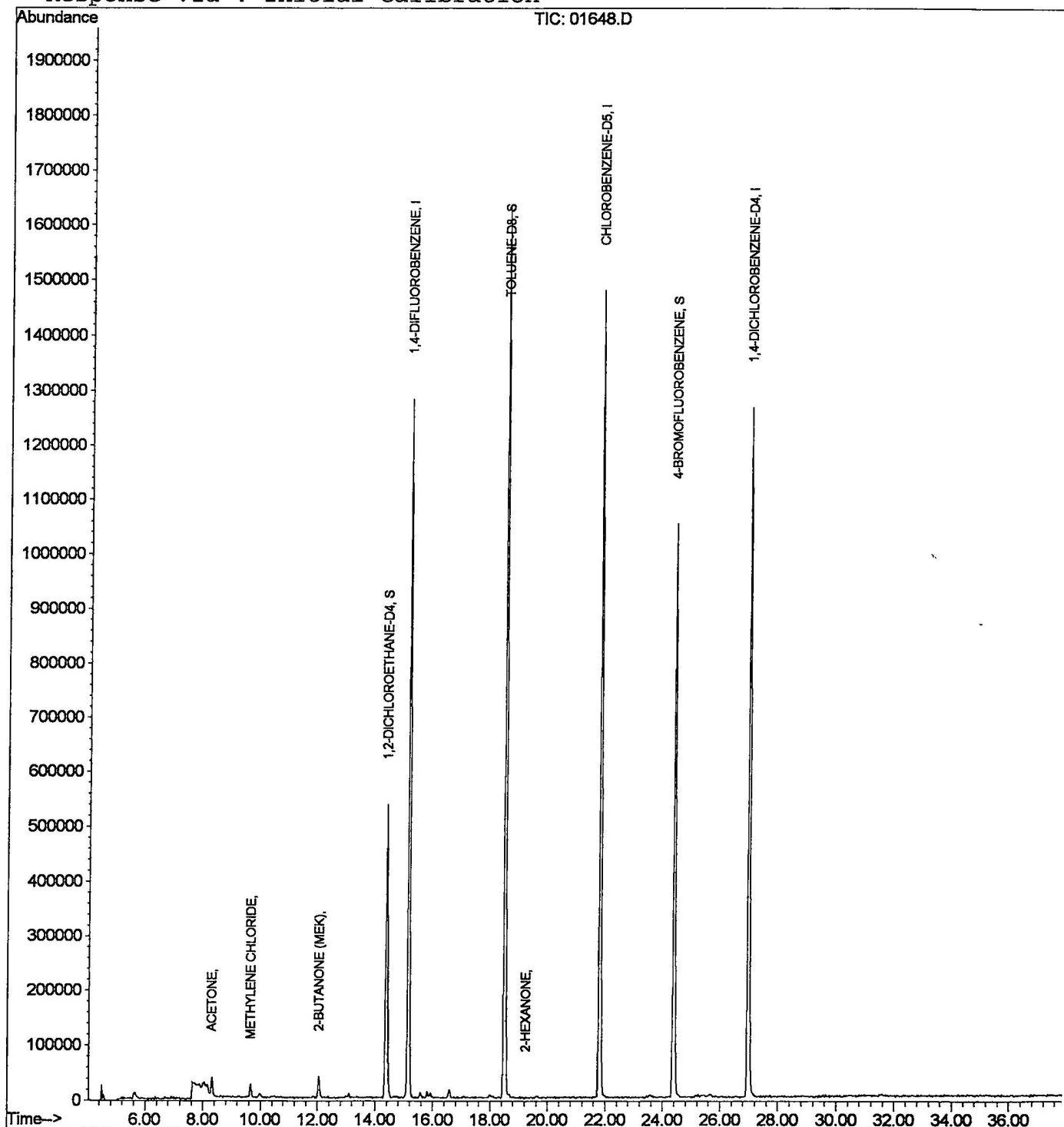
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D  
Acq On : 1 Feb 2002 10:47 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:27 2002

Vial: 18  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D  
 Acq On : 1 Feb 2002 10:47 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

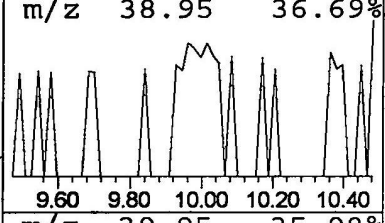
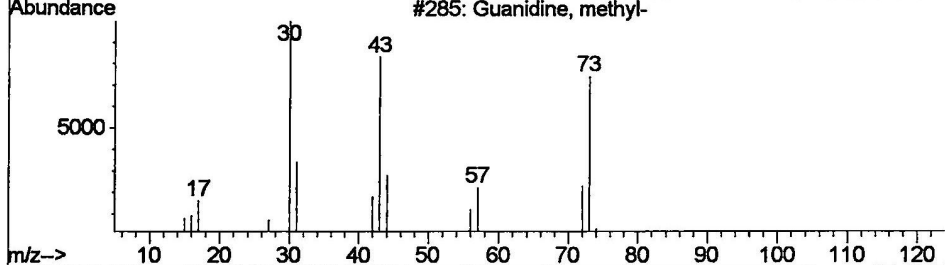
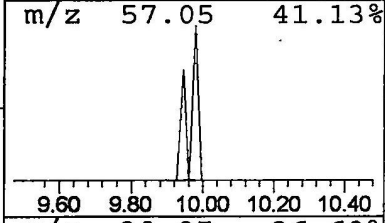
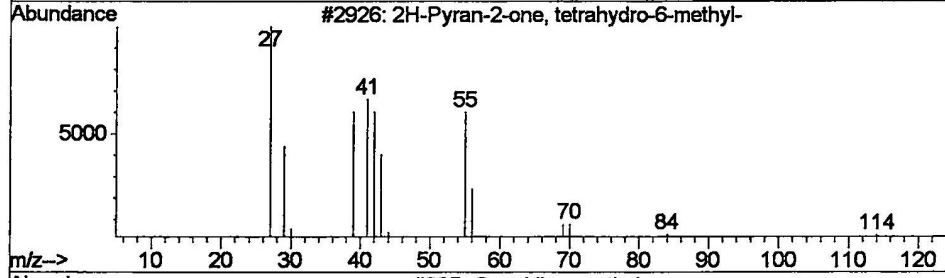
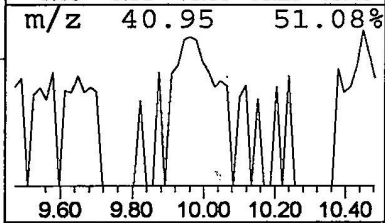
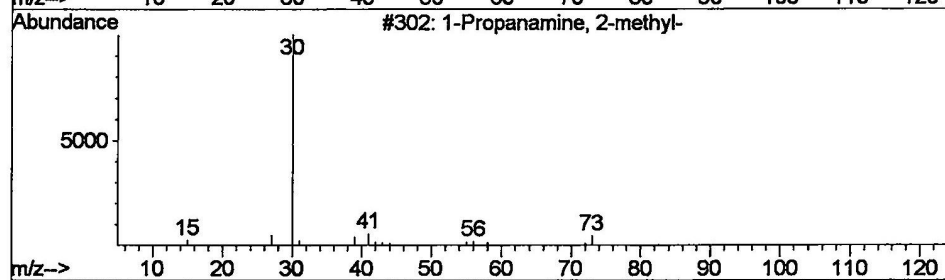
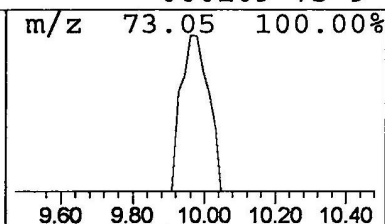
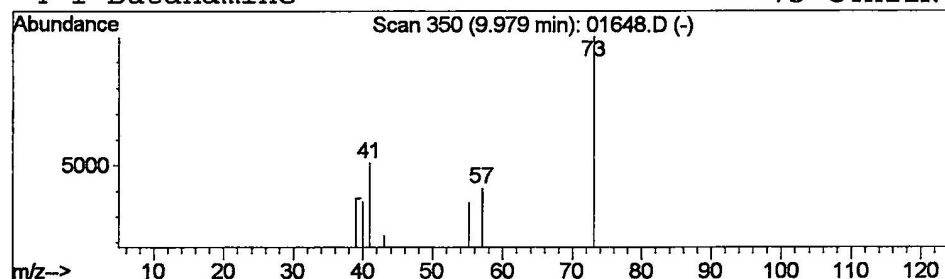
Vial: 18  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 1-Propanamine, 2-methyl- Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T.  |
|------|-----------|-------|---------------------|-------|
| 9.98 | 0.05 ug/L | 52450 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Propanamine, 2-methyl-            | 73  | C4H11N  | 000078-81-9 | 4    |
| 2    |    |   | 2H-Pyran-2-one, tetrahydro-6-methyl | 114 | C6H10O2 | 000823-22-3 | 4    |
| 3    |    |   | Guanidine, methyl-                  | 73  | C2H7N3  | 000471-29-4 | 3    |
| 4    |    |   | 1-Butanamine                        | 73  | C4H11N  | 000109-73-9 | 3    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D  
Acq On : 1 Feb 2002 10:47 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

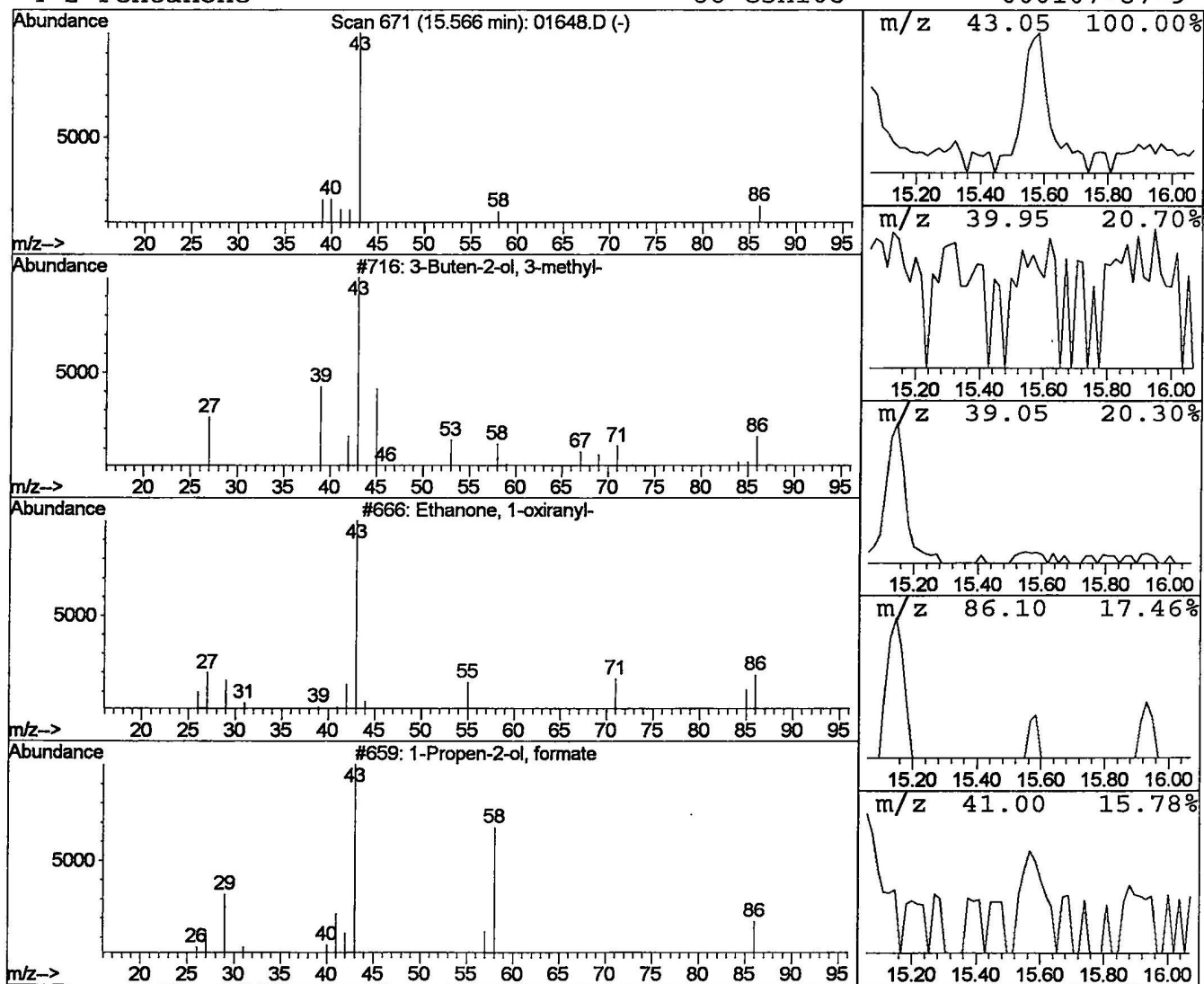
Vial: 18  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 3-Buten-2-ol, 3-methyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.57 | 0.05 ug/L | 49339 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Buten-2-ol, 3-methyl- | 86 | C5H10O  | 010473-14-0 | 9    |
| 2    |    |   | Ethanone, 1-oxiranyl-   | 86 | C4H6O2  | 004401-11-0 | 9    |
| 3    |    |   | 1-Propen-2-ol, formate  | 86 | C4H6O2  | 032978-00-0 | 9    |
| 4    |    |   | 2-Pentanone             | 86 | C5H10O  | 000107-87-9 | 9    |





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D  
 Acq On : 1 Feb 2002 10:47 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

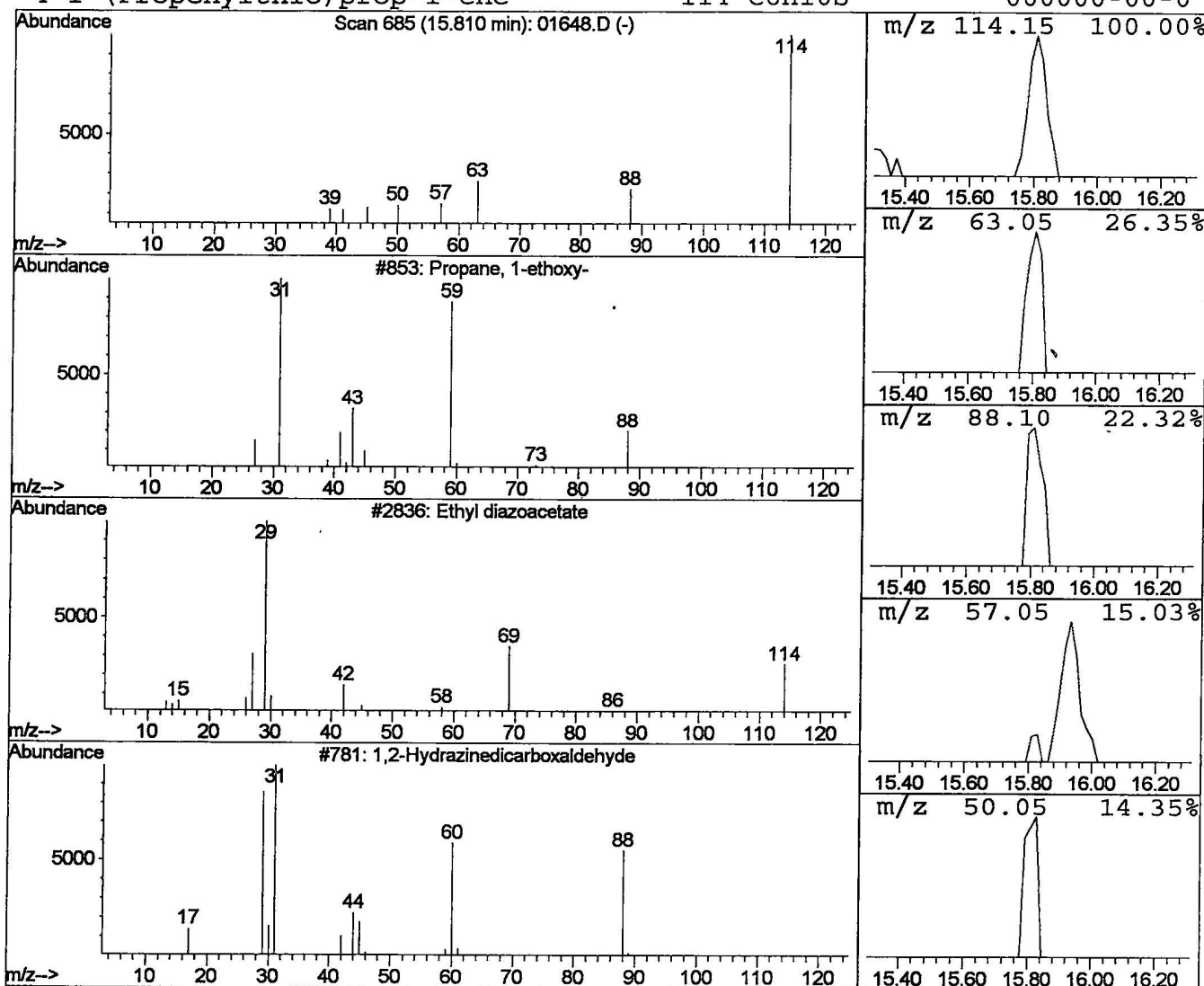
Vial: 18  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Propane, 1-ethoxy- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.81 | 0.05 ug/L | 45640 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | 5 | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------|-----|----------|-------------|------|
| 1       |   | Propane, 1-ethoxy-            | 88  | C5H12O   | 000628-32-0 | 4    |
| 2       |   | Ethyl diazoacetate            | 114 | C4H6N2O2 | 000623-73-4 | 4    |
| 3       |   | 1,2-Hydrazinedicarboxaldehyde | 88  | C2H4N2O2 | 000628-36-4 | 3    |
| 4       |   | 1-(Propenylthio)prop-1-ene    | 114 | C6H10S   | 000000-00-0 | 3    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D  
 Acq On : 1 Feb 2002 10:47 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

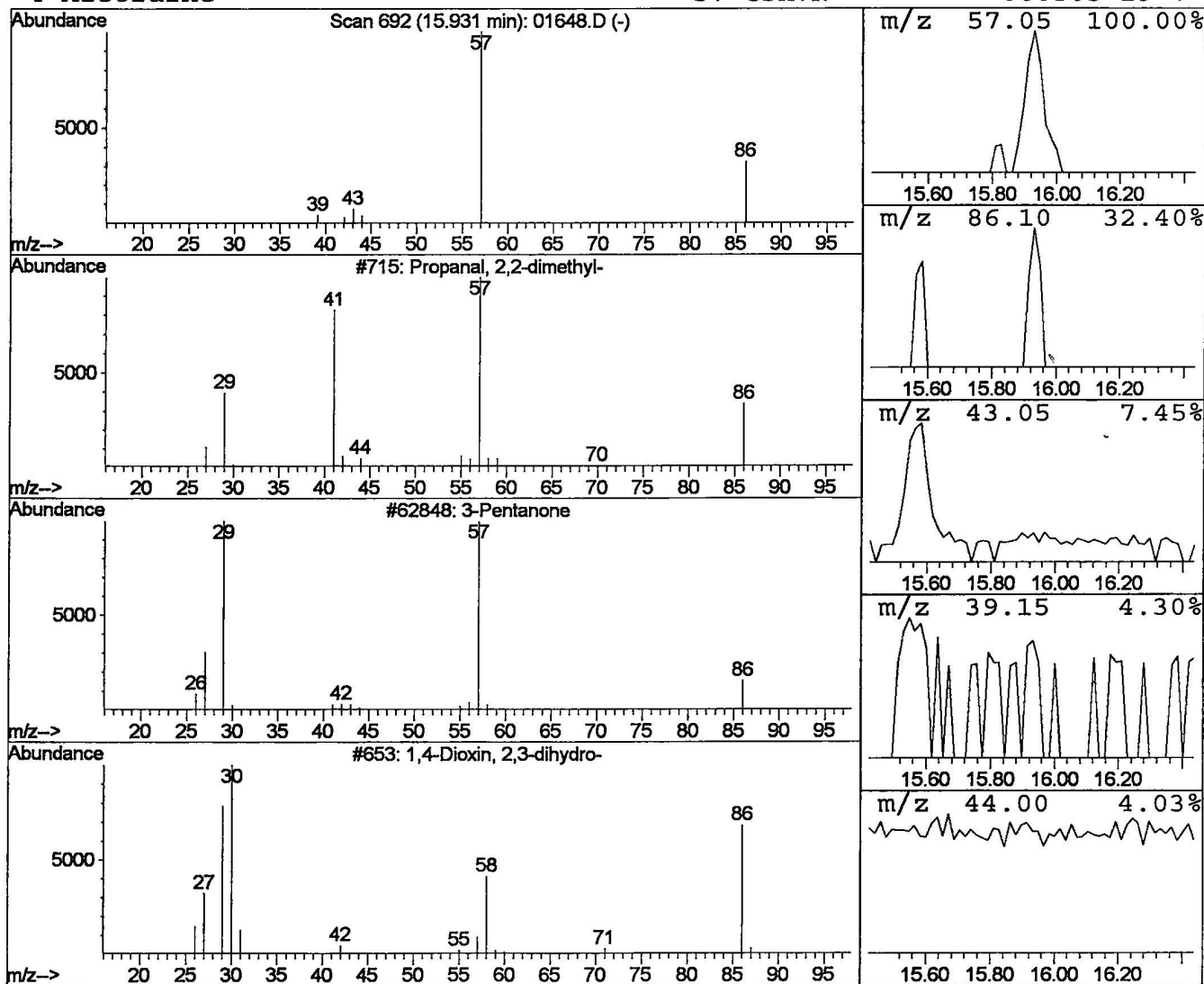
Vial: 18  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Propanal, 2,2-dimethyl- Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.93 | 0.03 ug/L | 32999 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|---------|---|--------------------------|----|---------|-------------|------|
| 1       |   | Propanal, 2,2-dimethyl-  | 86 | C5H10O  | 000630-19-3 | 5    |
| 2       |   | 3-Pentanone              | 86 | C5H10O  | 000096-22-0 | 3    |
| 3       |   | 1,4-Dioxin, 2,3-dihydro- | 86 | C4H6O2  | 000543-75-9 | 3    |
| 4       |   | Azetidine                | 57 | C3H7N   | 000503-29-7 | 2    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648.D  
 Acq On : 1 Feb 2002 10:47 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

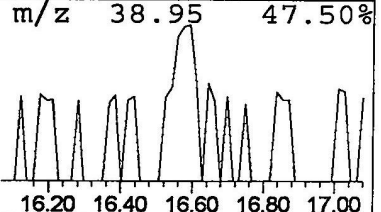
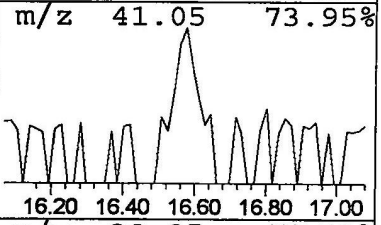
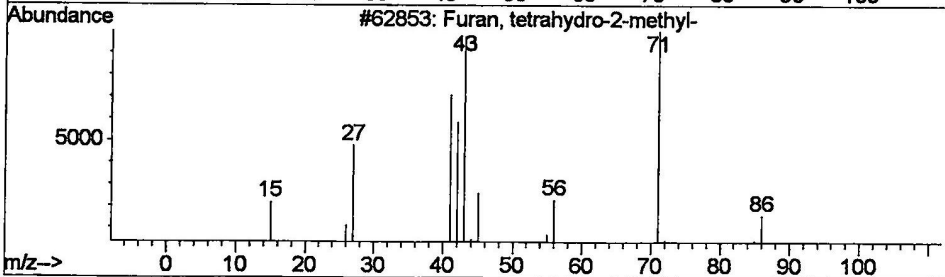
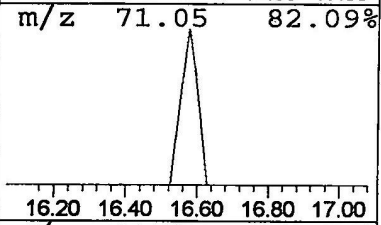
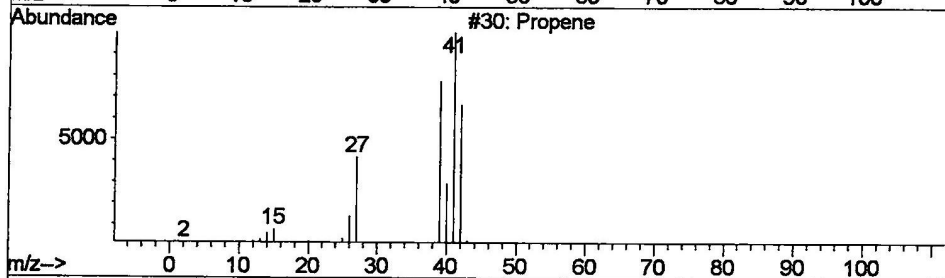
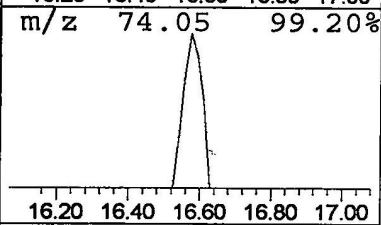
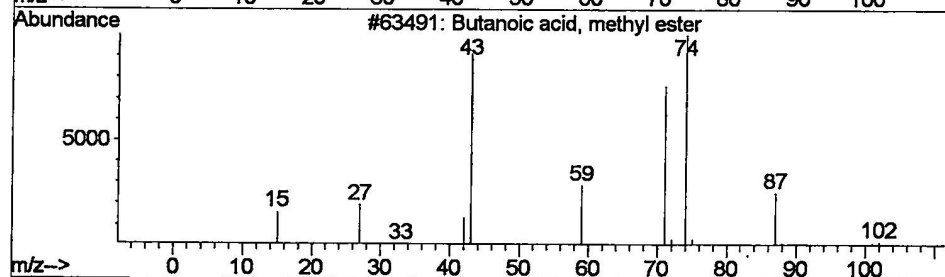
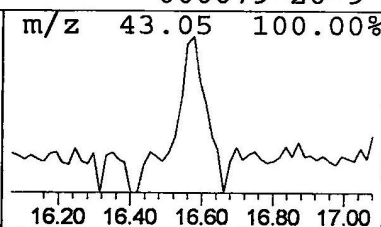
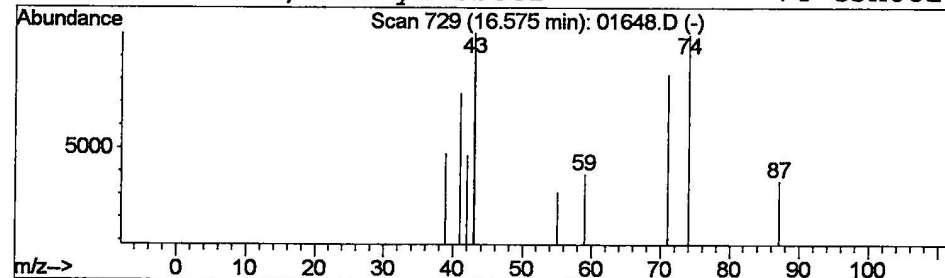
Vial: 18  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.58 | 0.06 ug/L | 60194 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------------|-----|---------|-------------|------|
| 1       | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 45   |
| 2       | Propene                     | 42  | C3H6    | 000115-07-1 | 9    |
| 3       | Furan, tetrahydro-2-methyl- | 86  | C5H10O  | 000096-47-9 | 9    |
| 4       | Acetic acid, methyl ester   | 74  | C3H6O2  | 000079-20-9 | 5    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:26:56

Sample: AE01649  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.9    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.6    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AY  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:26:56

Sample: AE01649

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB

Result source: manual entry

Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
Acq On : 1 Feb 2002 11:29 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:28 2002

Vial: 19  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration  
DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.15 | 114  | 1826206  | 5.00  | ug/L    | 0.03     |
| 24) CHLOROBENZENE-D5        | 21.80 | 117  | 1755265  | 5.00  | ug/L    | 0.03     |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.98 | 152  | 783124   | 5.00  | ug/L    | 0.03     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.38 | 65   | 767122   | 4.85  | ug/L    | 0.03     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 97.00%  |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.39 | 174  | 637844   | 4.55  | ug/L    | 0.03     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 91.00%  |          |
| 25) TOLUENE-D8              | 18.51 | 98   | 2240905  | 5.12  | ug/L    | 0.03     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 102.40% |          |
| Target Compounds            |       |      |          |       |         |          |
| 12) ACETONE                 | 8.29  | 43   | 136754   | 13.88 | ug/L    | 98       |
| 14) METHYLENE CHLORIDE      | 9.65  | 49   | 30118    | 0.35  | ug/L    | 95       |
| 18) 2-BUTANONE (MEK)        | 12.05 | 43   | 104665   | 4.52  | ug/L    | 99       |
| 46) 2-HEXANONE              | 19.22 | 43   | 2953     | 0.10  | ug/L    | 30       |

-----  
(#) = qualifier out of range (m) = manual integration

01649.D HP013102.M Mon Feb 04 10:28:45 2002

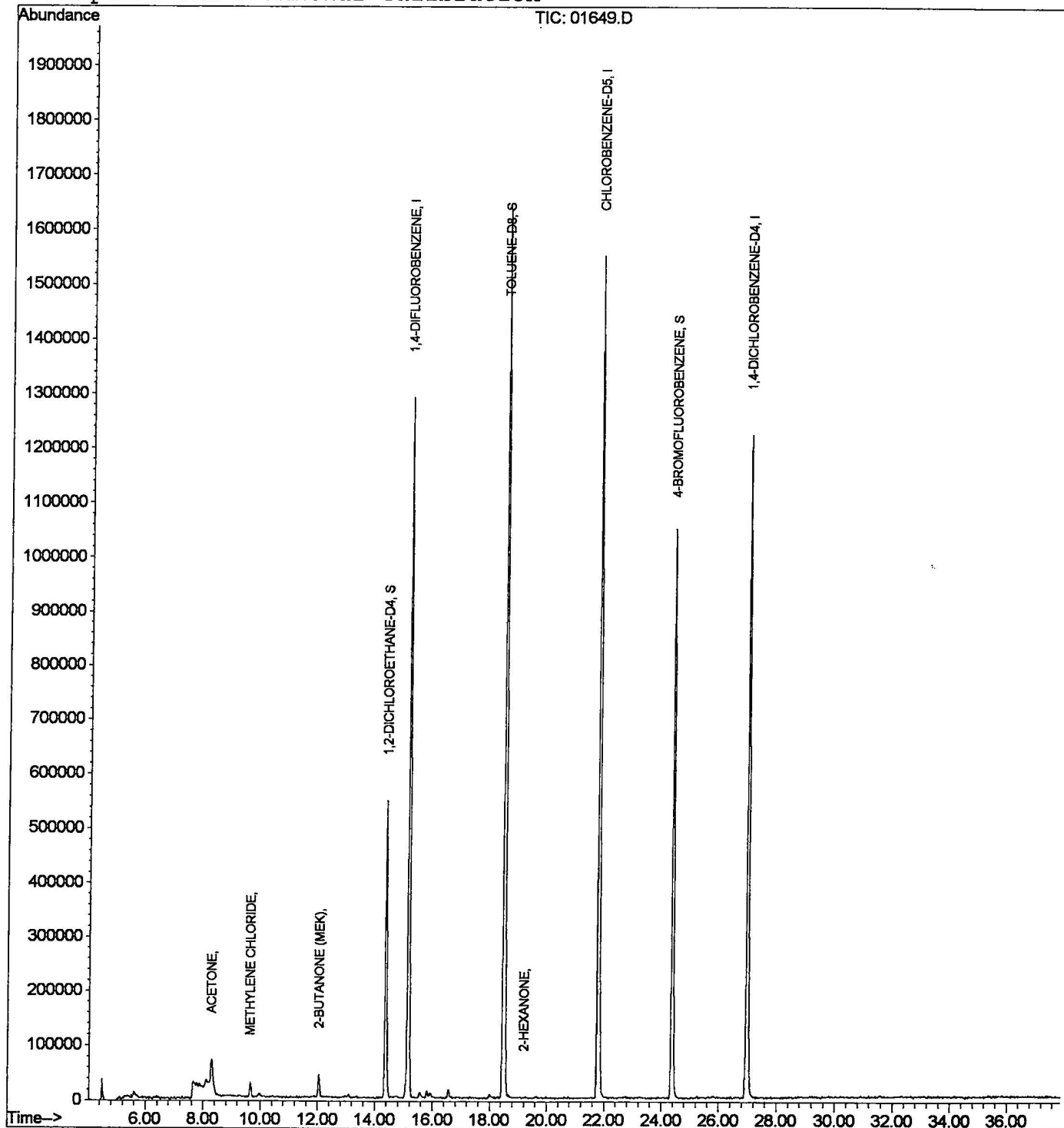
Page 1

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
Acq On : 1 Feb 2002 11:29 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:28 2002

Vial: 19  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
Acq On : 1 Feb 2002 11:29 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

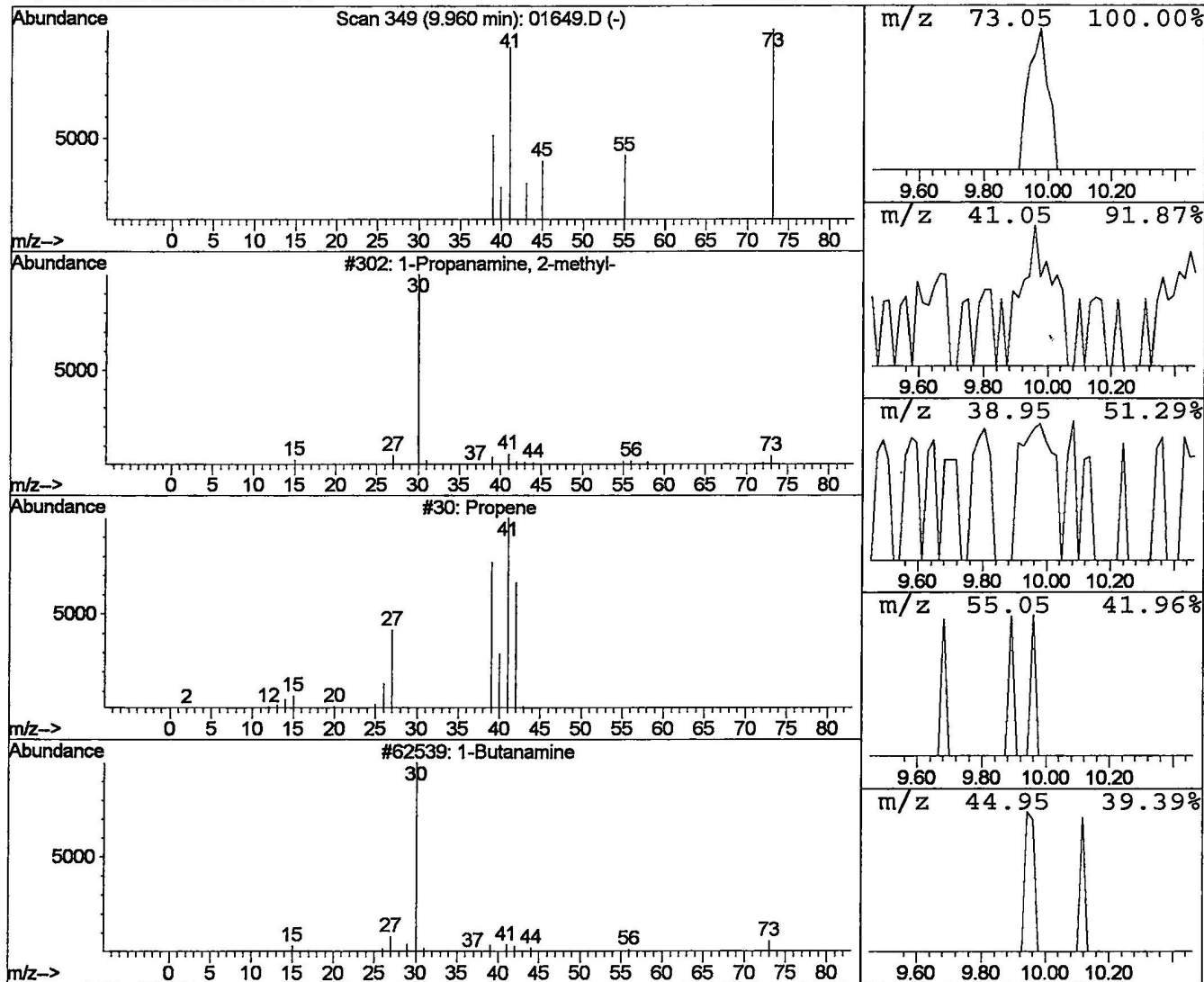
Vial: 19  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 1 1-Propanamine, 2-methyl- Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T.  |
|------|-----------|-------|---------------------|-------|
| 9.96 | 0.03 ug/L | 32868 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|--------------------------|----|---------|-------------|------|
| 1    | 5  | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 5    |
| 2    |    | Propene                  | 42 | C3H6    | 000115-07-1 | 4    |
| 3    |    | 1-Butanamine             | 73 | C4H11N  | 000109-73-9 | 3    |
| 4    |    | 2-Butenenitrile          | 67 | C4H5N   | 004786-20-3 | 2    |





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
 Acq On : 1 Feb 2002 11:29 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

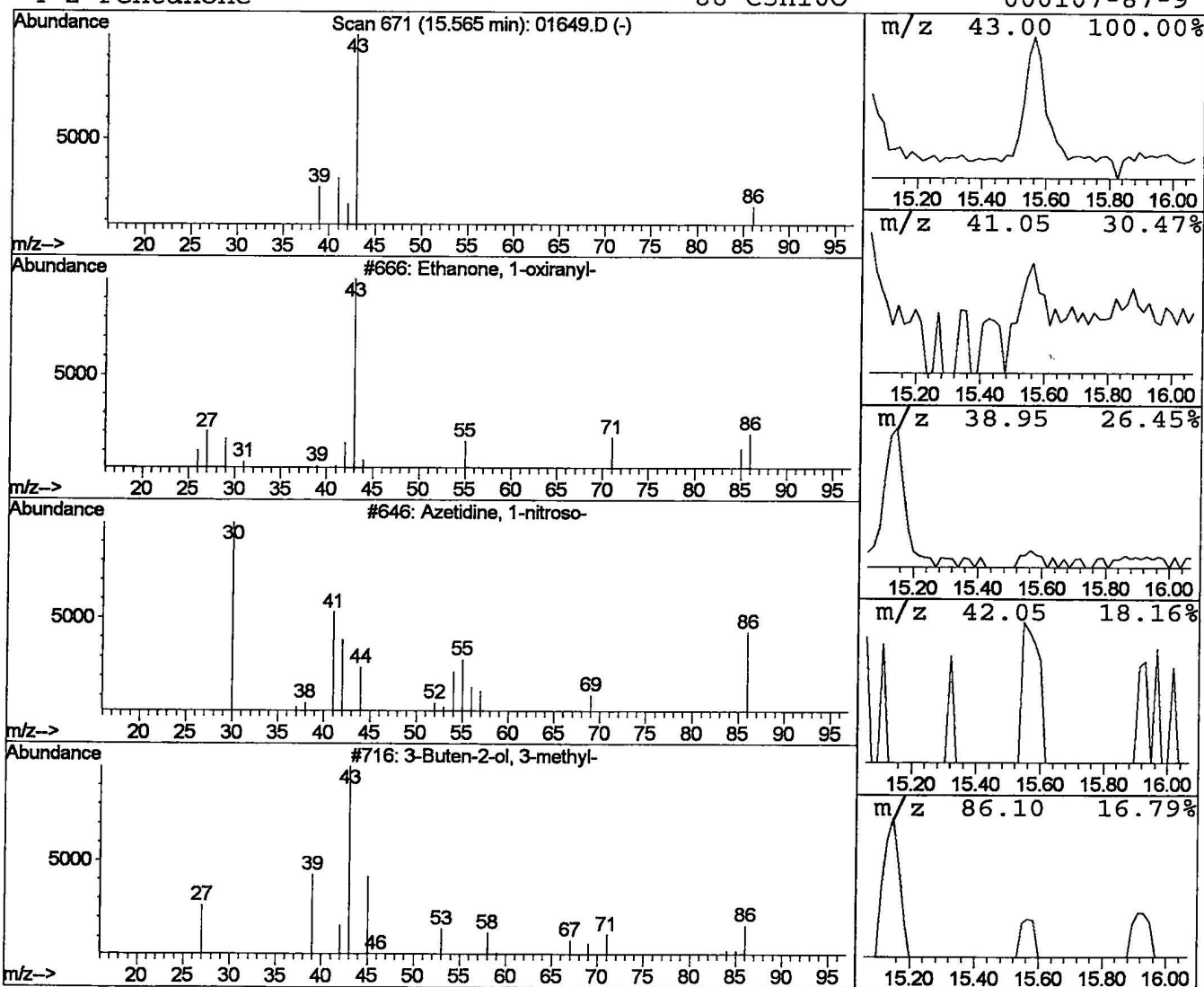
Vial: 19  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 Ethanone, 1-oxiranyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.56 | 0.05 ug/L | 49647 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of            | 5           | Tentative ID | MW      | MolForm     | CAS# | Qual |
|------|---------------|-------------|--------------|---------|-------------|------|------|
| 1    | Ethanone,     | 1-oxiranyl- | 86           | C4H6O2  | 004401-11-0 | 9    |      |
| 2    | Azetidine,    | 1-nitroso-  | 86           | C3H6N2O | 015216-10-1 | 7    |      |
| 3    | 3-Buten-2-ol, | 3-methyl-   | 86           | C5H10O  | 010473-14-0 | 5    |      |
| 4    | 2-Pentanone   |             | 86           | C5H10O  | 000107-87-9 | 5    |      |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
Acq On : 1 Feb 2002 11:29 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

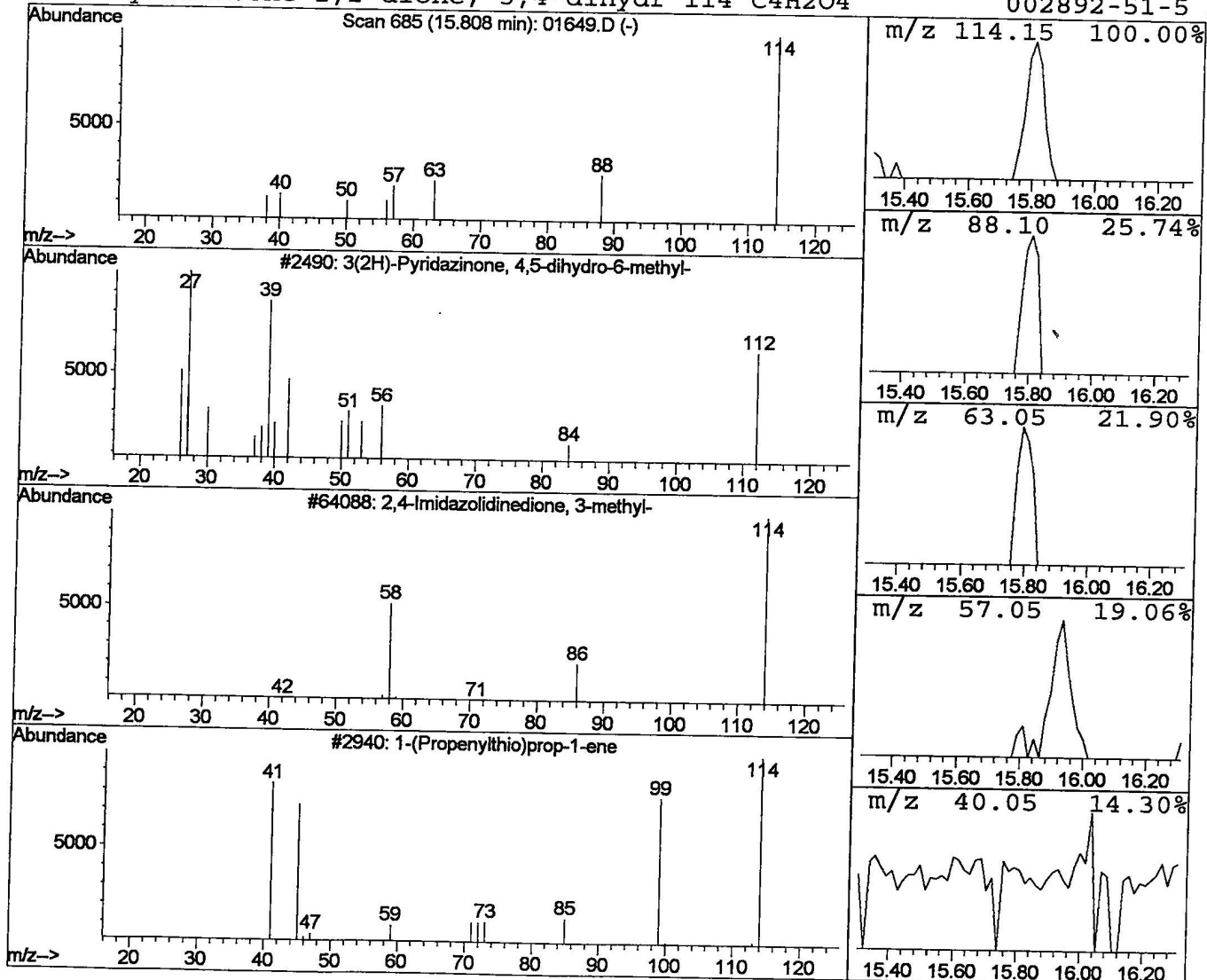
Vial: 19  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 3(2H)-Pyridazinone, 4,5-dihydr Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.81 | 0.06 ug/L | 55983 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 3(2H)-Pyridazinone, 4,5-dihydro-6-m | 112 | C5H8N2O  | 005157-08-4 | 4    |
| 2       |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3       |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 4       |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
Acq On : 1 Feb 2002 11:29 pm  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

Vial: 19  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)

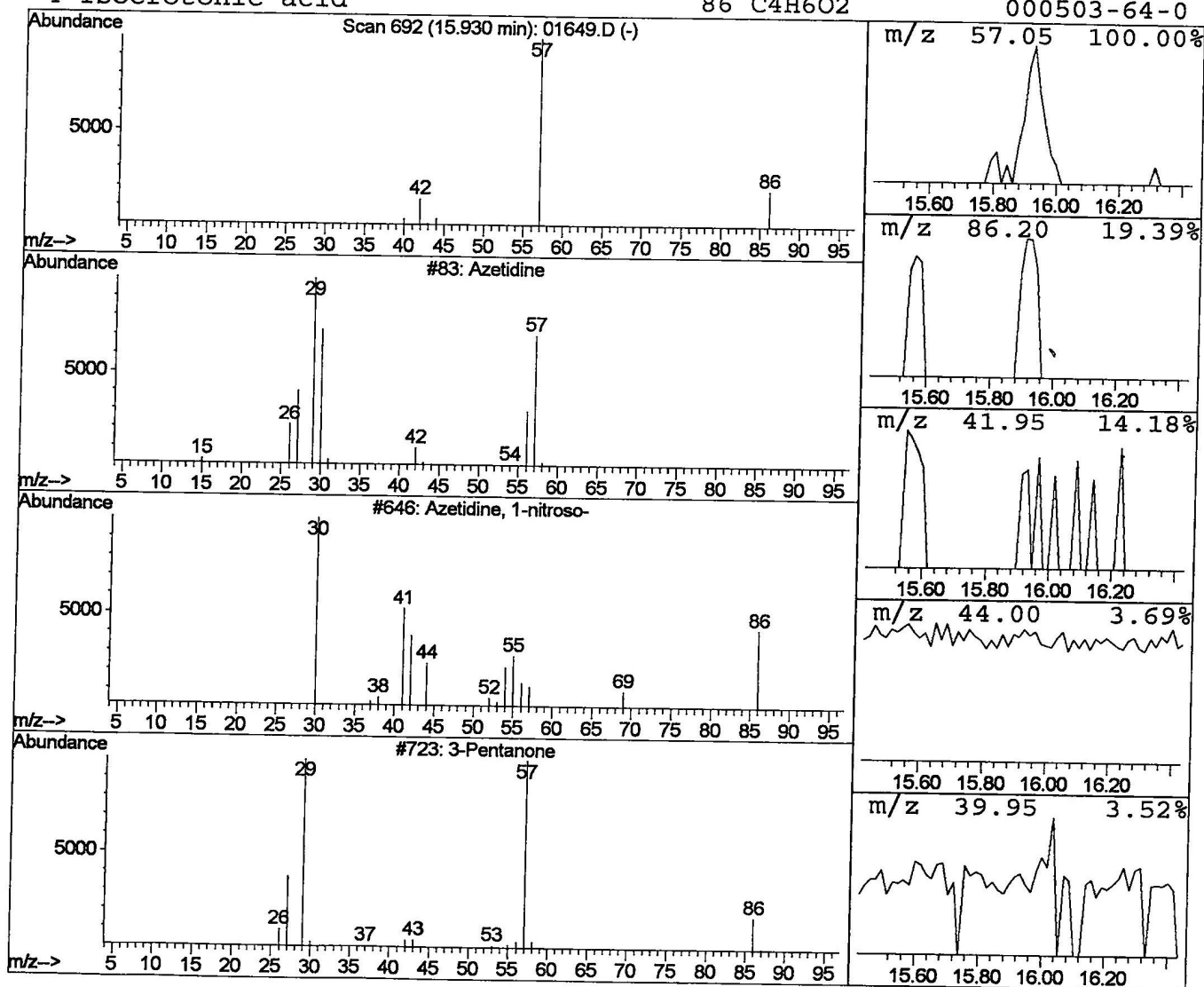
Title : VOCs BY EPA METHOD 524

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 4 Azetidine Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.93 | 0.03 ug/L | 32853 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# of | 5                     | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|----|---------|-------------|------|
| 1       | Azetidine             |              | 57 | C3H7N   | 000503-29-7 | 4    |
| 2       | Azetidine, 1-nitroso- |              | 86 | C3H6N2O | 015216-10-1 | 4    |
| 3       | 3-Pentanone           |              | 86 | C5H10O  | 000096-22-0 | 4    |
| 4       | Isocrotonic acid      |              | 86 | C4H6O2  | 000503-64-0 | 3    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01649.D  
 Acq On : 1 Feb 2002 11:29 pm  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

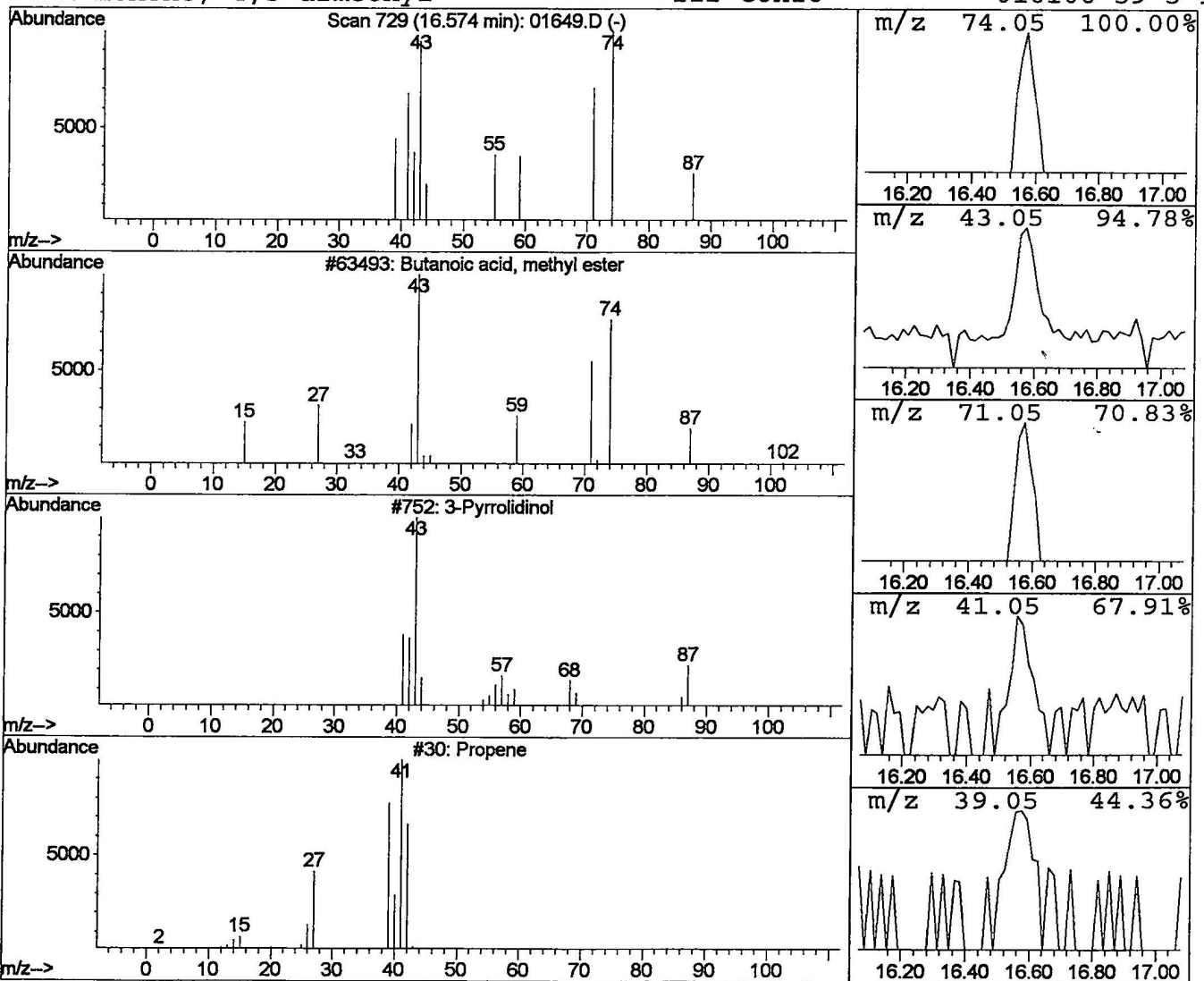
Vial: 19  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.57 | 0.07 ug/L | 71782 | 1,4-DIFLUOROBENZENE | 15.15 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 45   |
| 2    |    |   | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 12   |
| 3    |    |   | Propene                     | 42  | C3H6    | 000115-07-1 | 9    |
| 4    |    |   | 1-Hexene, 4,5-dimethyl-     | 112 | C8H16   | 016106-59-5 | 9    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:27:21

Sample: AE01650

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB

Result source: manual entry

Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 4.9    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.7    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:27:21

Sample: AE01650  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01650.D  
 Acq On : 2 Feb 2002 12:13 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:29 2002

Vial: 20  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.13 | 114  | 1807945  | 5.00  | ug/L    | 0.02      |
| 24) CHLOROBENZENE-D5        | 21.80 | 117  | 1758959  | 5.00  | ug/L    | 0.04      |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.97 | 152  | 812804   | 5.00  | ug/L    | 0.02      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 14.36 | 65   | 763610   | 4.88  | ug/L    | 0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 97.60%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 24.37 | 174  | 655644   | 4.73  | ug/L    | 0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 94.60%  |           |
| 25) TOLUENE-D8              | 18.49 | 98   | 2217840  | 5.05  | ug/L    | 0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 101.00% |           |
| Target Compounds            |       |      |          |       |         |           |
| 12) ACETONE                 | 8.29  | 43   | 97828    | 10.03 | ug/L    | Qvalue 95 |
| 14) METHYLENE CHLORIDE      | 9.65  | 49   | 29023    | 0.35  | ug/L    | 93        |
| 15) METHYL TERT BUTYL ETHER | 9.98  | 73   | 12473    | 0.12  | ug/L    | 82        |
| 18) 2-BUTANONE (MEK)        | 12.03 | 43   | 103409   | 4.51  | ug/L    | 99        |
| 46) 2-HEXANONE              | 19.26 | 43   | 3810     | 0.13  | ug/L    | 30        |

(#) = qualifier out of range (m) = manual integration  
 01650.D HP013102.M Mon Feb 04 10:29:44 2002

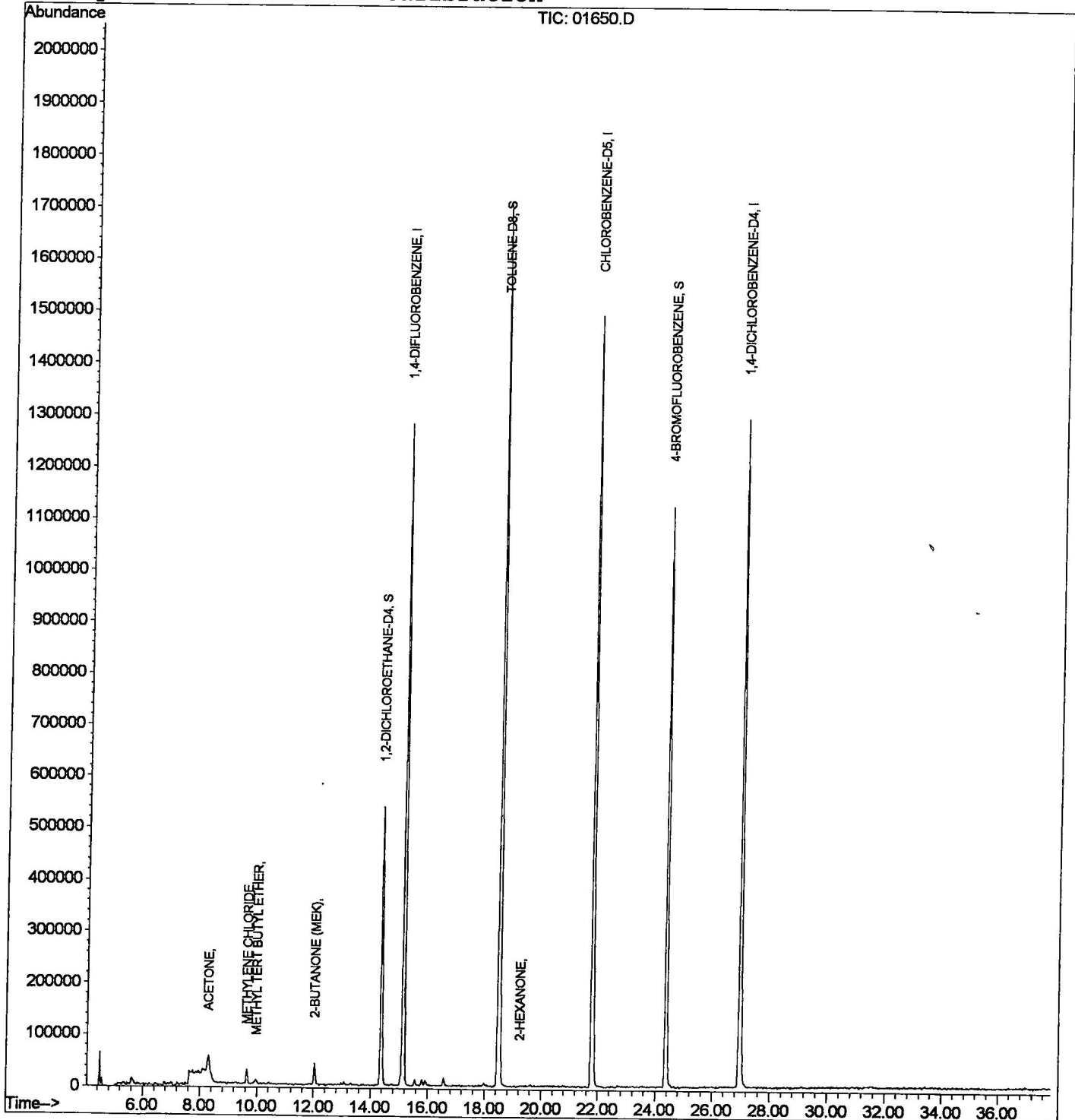
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01650.D  
 Acq On : 2 Feb 2002 12:13 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:29 2002

Vial: 20  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 13:18:32 2002  
 Response via : Initial Calibration





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01650.D  
 Acq On : 2 Feb 2002 12:13 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

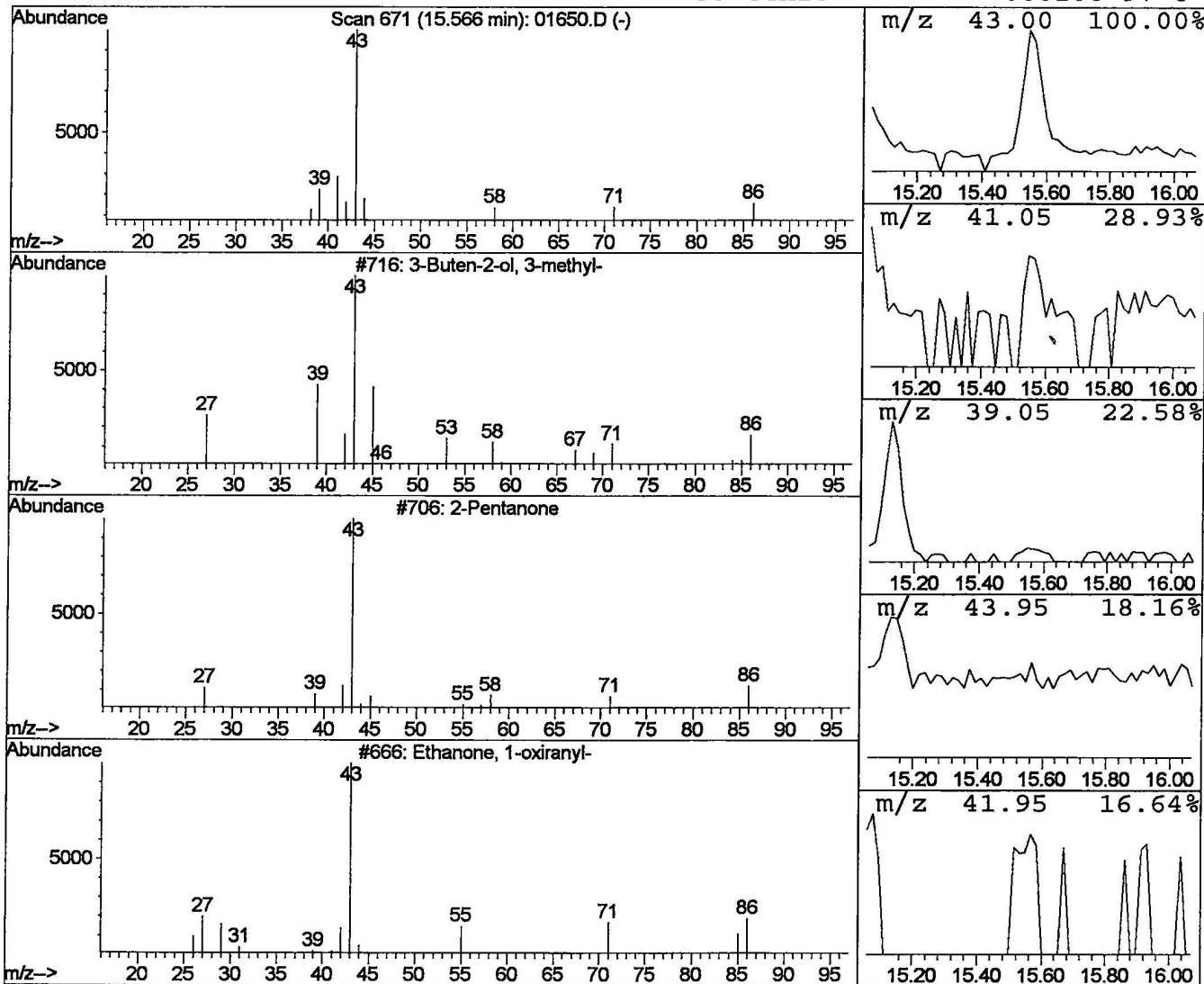
Vial: 20  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 3-Buten-2-ol, 3-methyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.57 | 0.05 ug/L | 48383 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | 3-Buten-2-ol, 3-methyl- | 86 | C5H10O  | 010473-14-0 | 72   |
| 2    |    | 2-Pentanone             | 86 | C5H10O  | 000107-87-9 | 64   |
| 3    |    | Ethanone, 1-oxiranyl-   | 86 | C4H6O2  | 004401-11-0 | 9    |
| 4    |    | Butane                  | 58 | C4H10   | 000106-97-8 | 9    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01650.D  
Acq On : 2 Feb 2002 12:13 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

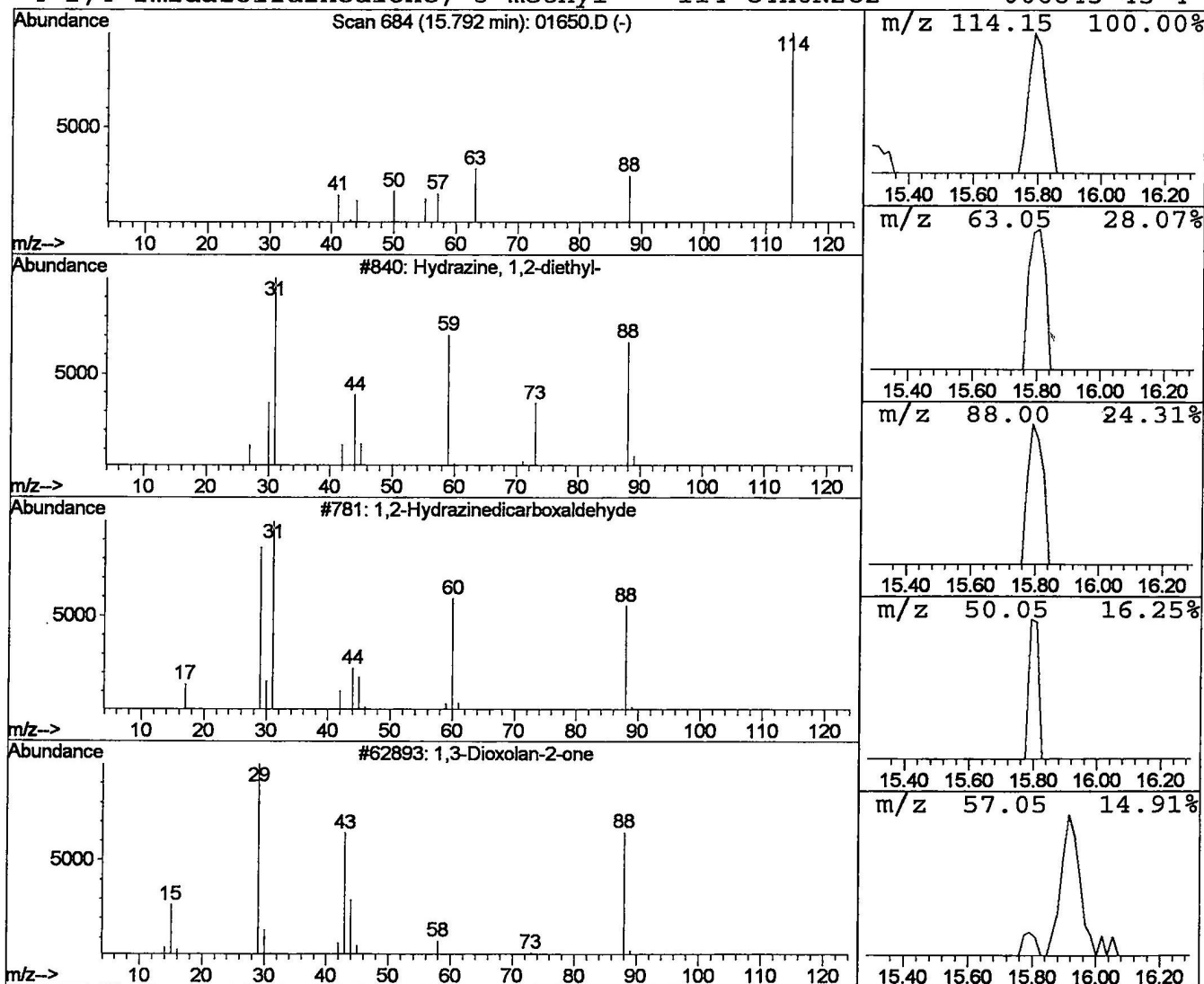
Vial: 20  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 Hydrazine, 1,2-diethyl- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.79 | 0.05 ug/L | 50839 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hydrazine, 1,2-diethyl-           | 88  | C4H12N2  | 001615-80-1 | 4    |
| 2    |    |   | 1,2-Hydrazinedicarboxaldehyde     | 88  | C2H4N2O2 | 000628-36-4 | 4    |
| 3    |    |   | 1,3-Dioxolan-2-one                | 88  | C3H4O3   | 000096-49-1 | 4    |
| 4    |    |   | 2,4-Imidazolidinedione, 3-methyl- | 114 | C4H6N2O2 | 006843-45-4 | 3    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01650.D  
 Acq On : 2 Feb 2002 12:13 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

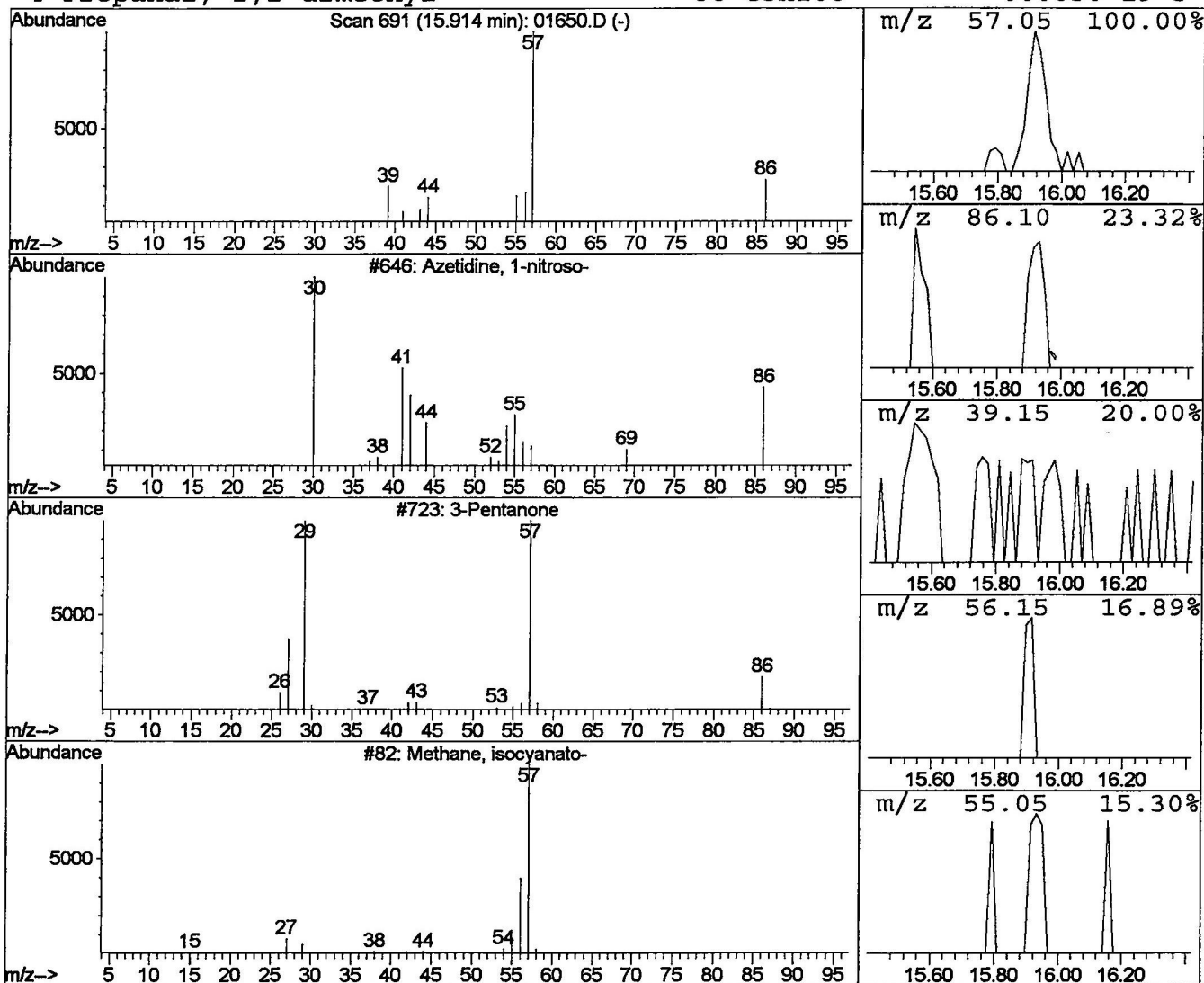
Vial: 20  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Azetidine, 1-nitroso- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.91 | 0.04 ug/L | 41279 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|---------|---|-------------------------|----|---------|-------------|------|
| 1       |   | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 7    |
| 2       |   | 3-Pentanone             | 86 | C5H10O  | 000096-22-0 | 5    |
| 3       |   | Methane, isocyanato-    | 57 | C2H3NO  | 000624-83-9 | 4    |
| 4       |   | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 4    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01650.D  
 Acq On : 2 Feb 2002 12:13 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

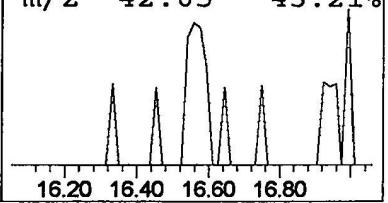
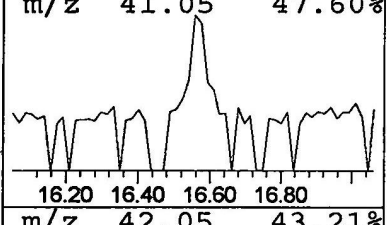
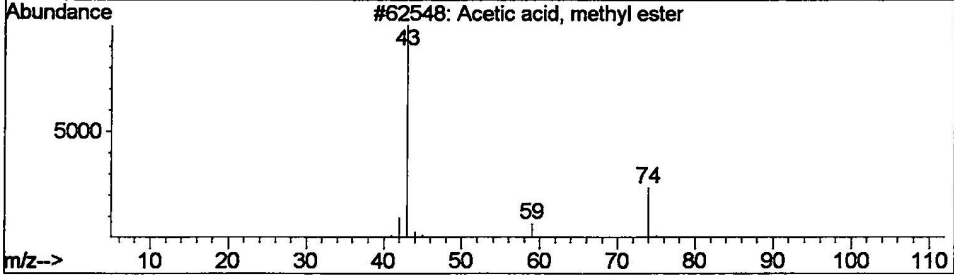
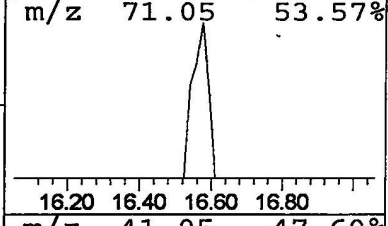
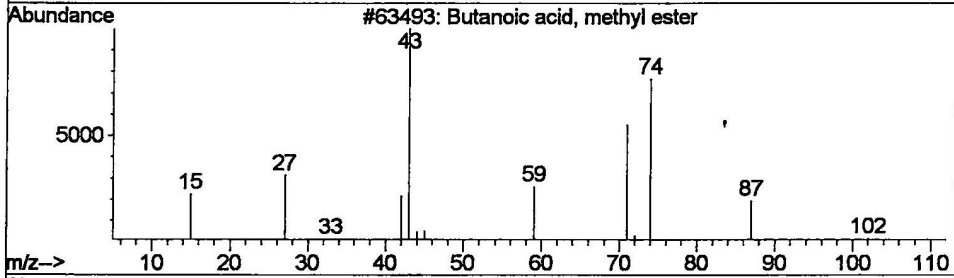
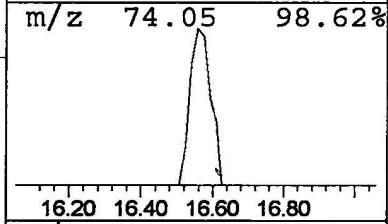
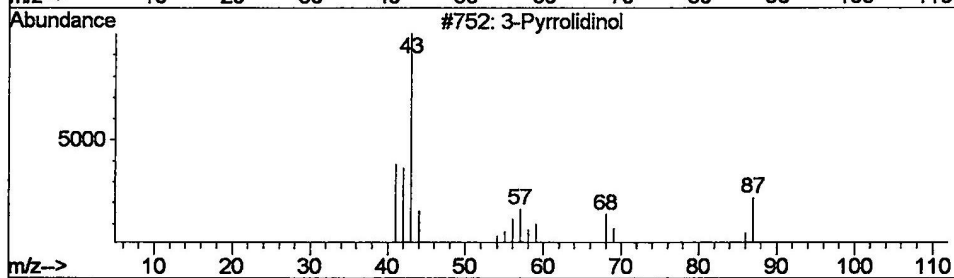
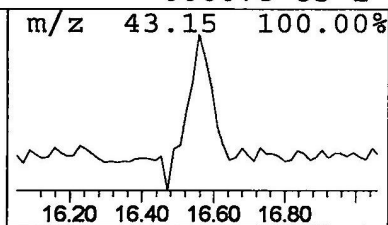
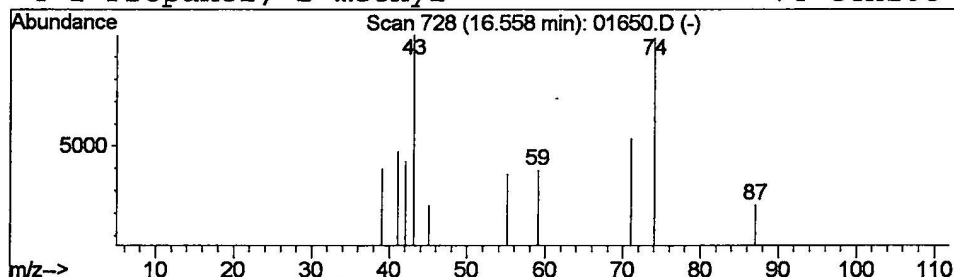
Vial: 20  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 3-Pyrrolidinol Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.56 | 0.05 ug/L | 53251 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 9    |
| 2       |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 9    |
| 3       |   | Acetic acid, methyl ester   | 74  | C3H6O2  | 000079-20-9 | 5    |
| 4       |   | 1-Propanol, 2-methyl-       | 74  | C4H10O  | 000078-83-1 | 5    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:27:39

Sample: AE01732  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 5.0    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.7    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:27:39

Sample: AE01732

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB

Result source: manual entry

Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Data File : C:\HPCHEM\1\DATA\02FEB01\01732.D  
 Acq On : 2 Feb 2002 12:56 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:31 2002

Vial: 21  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.13 | 114  | 1983308  | 5.00 | ug/L    | 0.02     |
| 24) CHLOROBENZENE-D5        | 21.78 | 117  | 1915024  | 5.00 | ug/L    | 0.02     |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.97 | 152  | 868660   | 5.00 | ug/L    | 0.02     |
| System Monitoring Compounds |       |      |          |      |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.36 | 65   | 853365   | 4.97 | ug/L    | 0.02     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 99.40%  |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.37 | 174  | 713968   | 4.69 | ug/L    | 0.02     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 93.80%  |          |
| 25) TOLUENE-D8              | 18.49 | 98   | 2435264  | 5.10 | ug/L    | 0.02     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 102.00% |          |
| Target Compounds            |       |      |          |      |         | Qvalue   |
| 12) ACETONE                 | 8.29  | 43   | 79853    | 7.46 | ug/L    | 97       |
| 14) METHYLENE CHLORIDE      | 9.63  | 49   | 33608    | 0.36 | ug/L    | 97       |
| 15) METHYL TERT BUTYL ETHER | 9.96  | 73   | 14007    | 0.12 | ug/L    | 97       |
| 18) 2-BUTANONE (MEK)        | 12.03 | 43   | 133530   | 5.31 | ug/L    | 99       |
| 46) 2-HEXANONE              | 19.22 | 43   | 2256     | 0.07 | ug/L    | 30       |

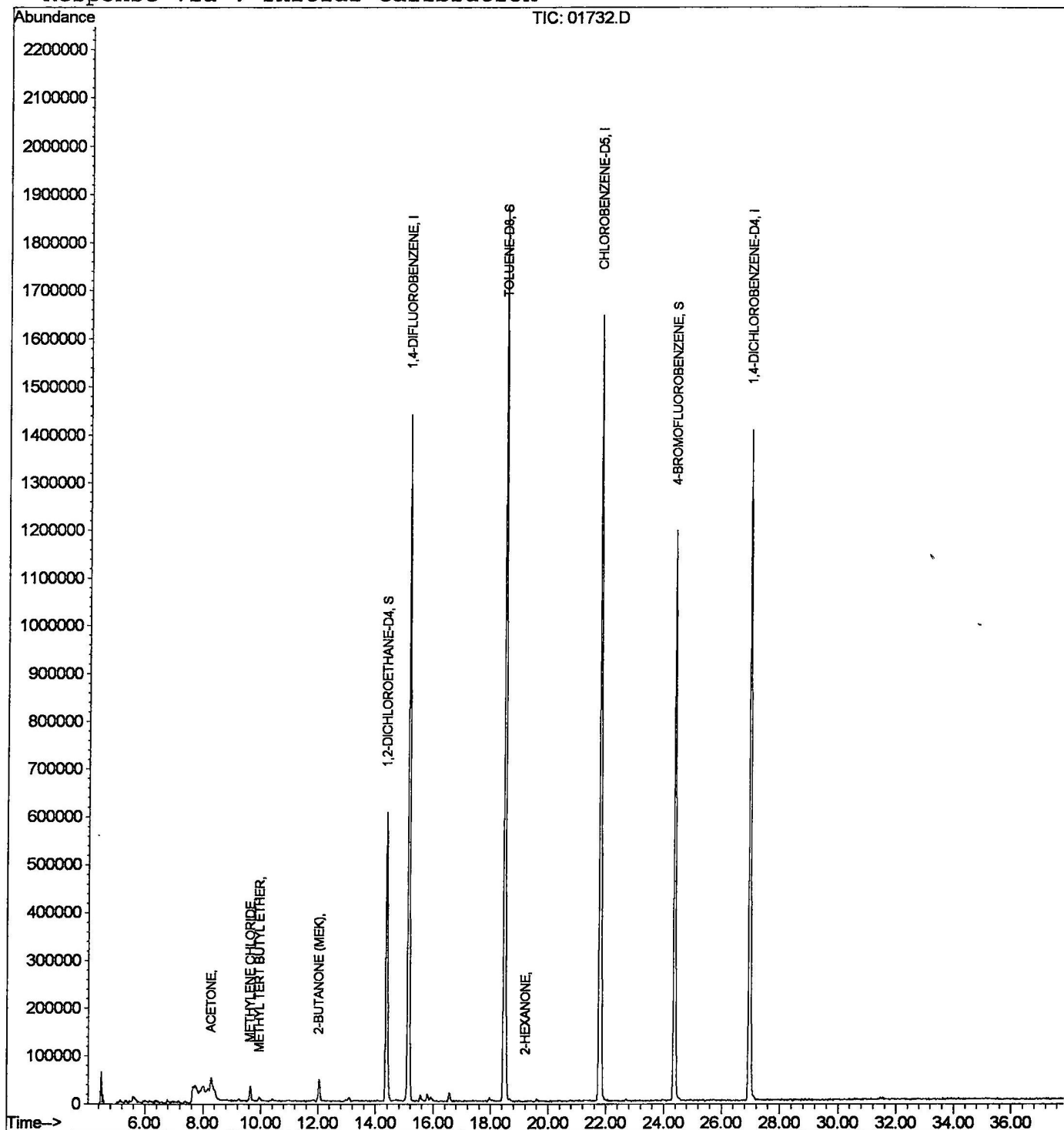
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01732.D  
Acq On : 2 Feb 2002 12:56 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:31 2002

Vial: 21  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01732.D  
 Acq On : 2 Feb 2002 12:56 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

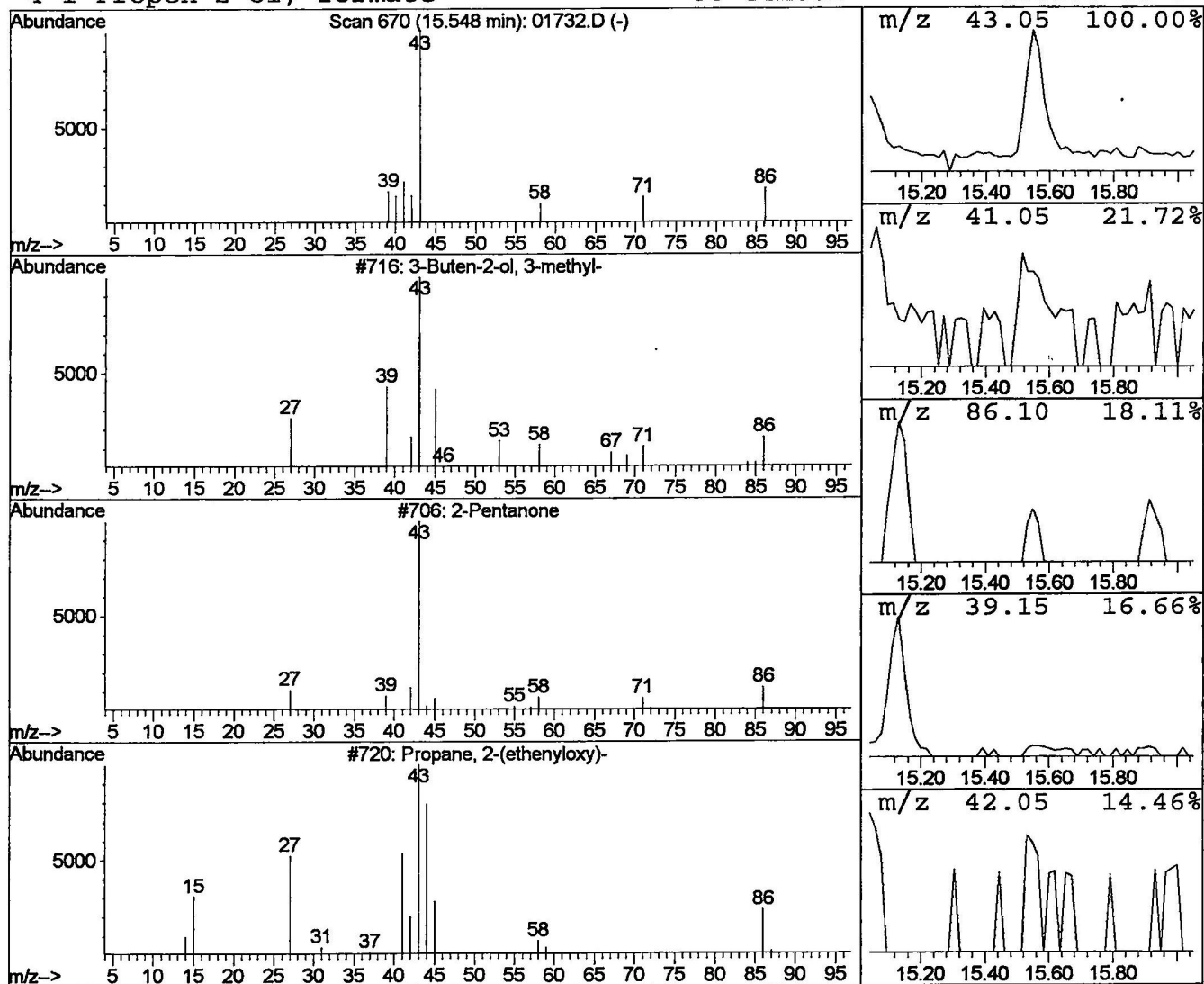
Vial: 21  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 3-Buten-2-ol, 3-methyl- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.55 | 0.06 ug/L | 62755 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# of 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|-----------|--------------------------|----|---------|-------------|------|
| 1         | 3-Buten-2-ol, 3-methyl-  | 86 | C5H10O  | 010473-14-0 | 78   |
| 2         | 2-Pentanone              | 86 | C5H10O  | 000107-87-9 | 78   |
| 3         | Propane, 2-(ethenyloxy)- | 86 | C5H10O  | 000926-65-8 | 9    |
| 4         | 1-Propen-2-ol, formate   | 86 | C4H6O2  | 032978-00-0 | 9    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01732.D  
 Acq On : 2 Feb 2002 12:56 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

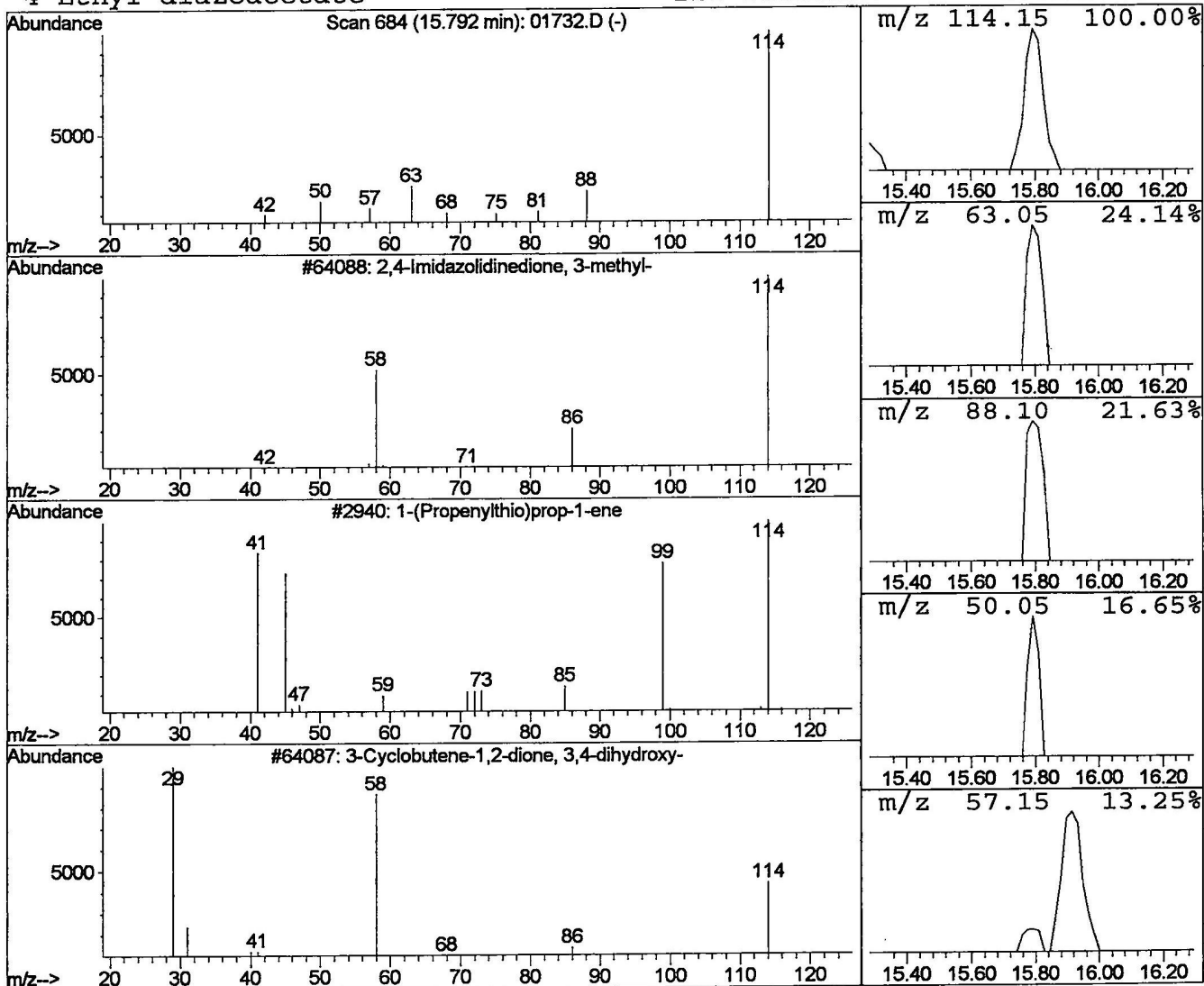
Vial: 21  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 2,4-Imidazolidinedione, 3-meth Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.79 | 0.05 ug/L | 55150 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |    | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01732.D  
Acq On : 2 Feb 2002 12:56 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

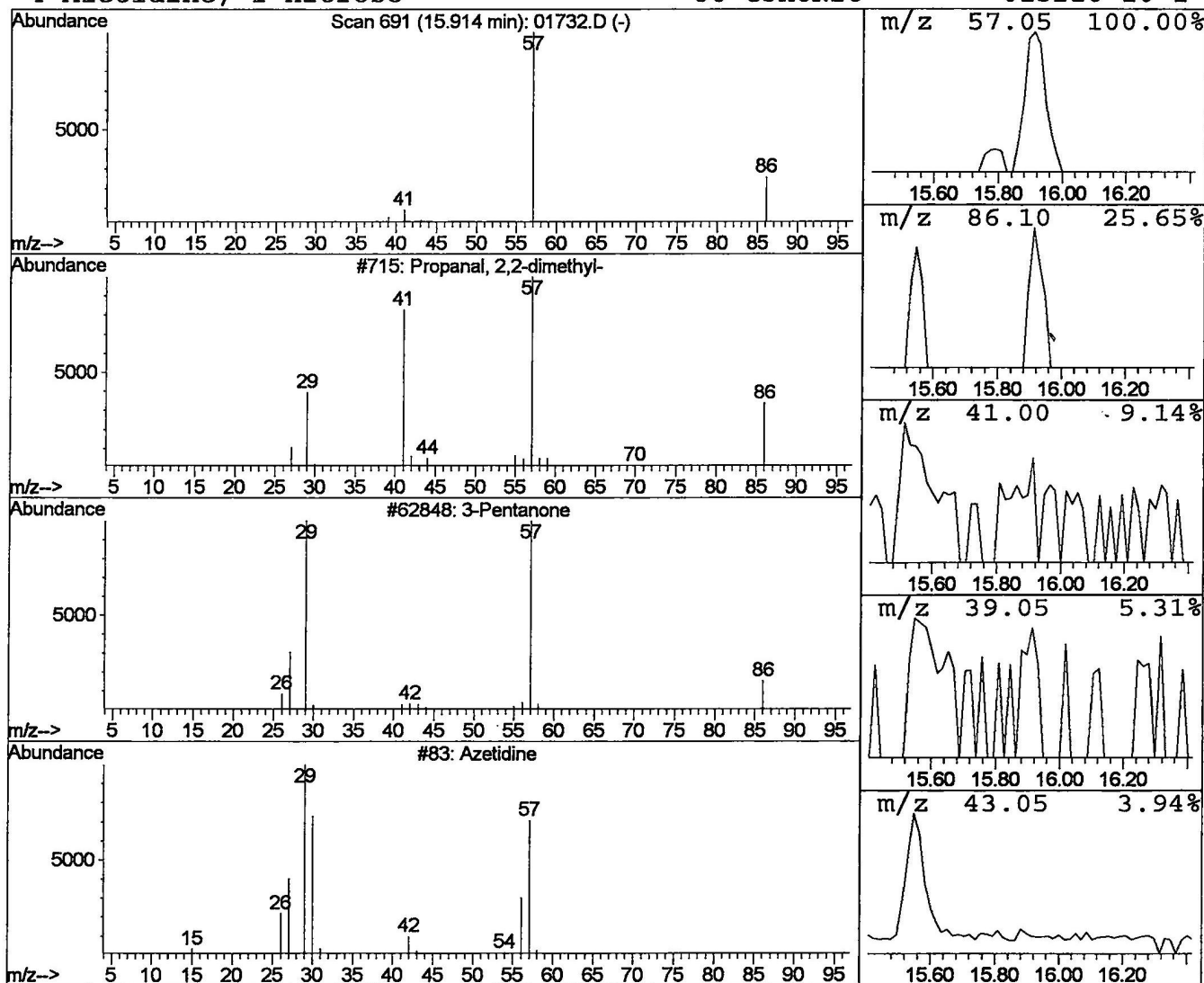
Vial: 21  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Propanal, 2,2-dimethyl- Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.91 | 0.03 ug/L | 35471 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# of | 5                       | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|-------------------------|--------------|---------|-------------|------|------|
| 1       | Propanal, 2,2-dimethyl- | 86           | C5H10O  | 000630-19-3 | 4    |      |
| 2       | 3-Pentanone             | 86           | C5H10O  | 000096-22-0 | 2    |      |
| 3       | Azetidine               | 57           | C3H7N   | 000503-29-7 | 2    |      |
| 4       | Azetidine, 1-nitroso-   | 86           | C3H6N2O | 015216-10-1 | 2    |      |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01732.D  
 Acq On : 2 Feb 2002 12:56 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

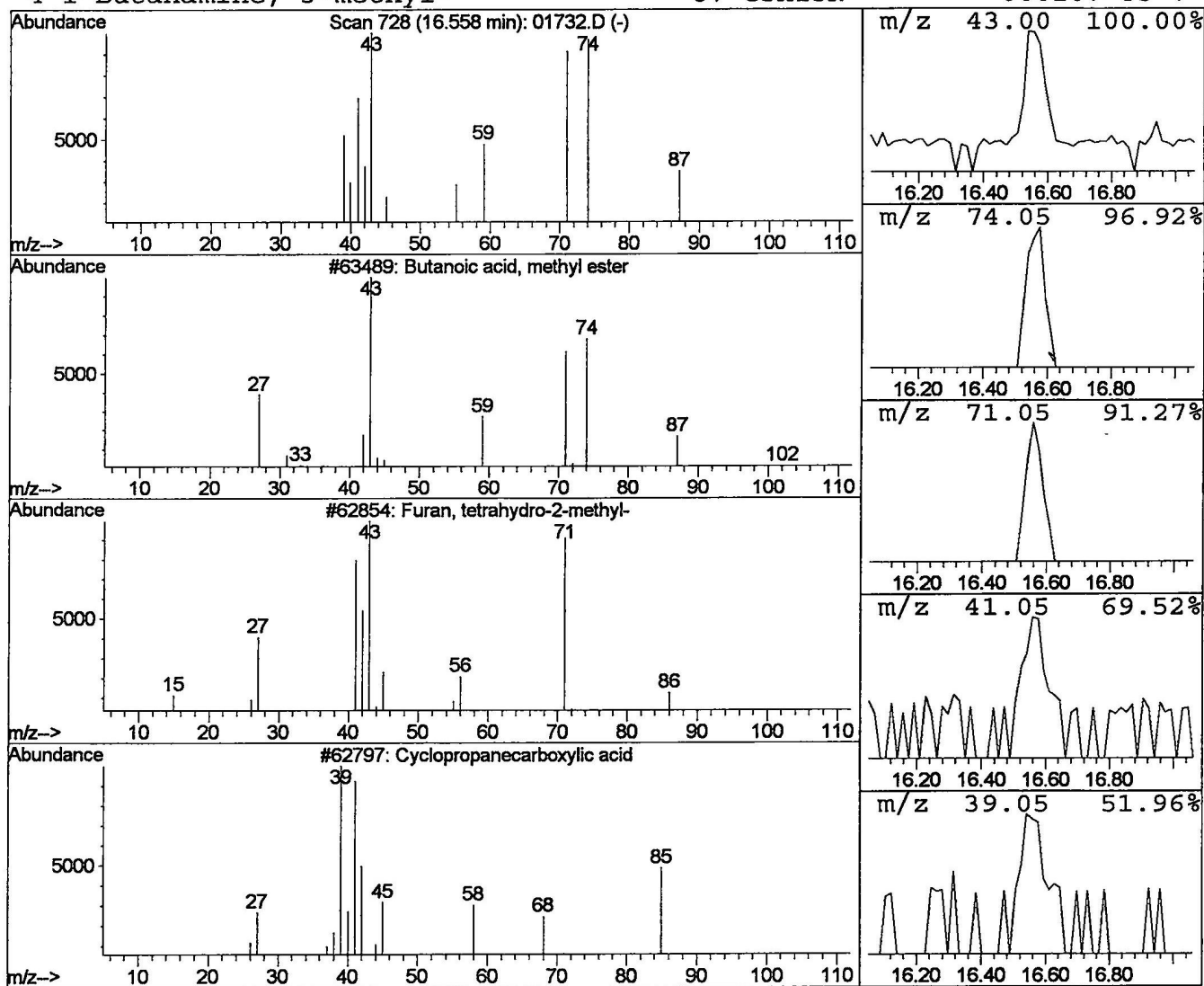
Vial: 21  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.56 | 0.07 ug/L | 80425 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|-----------|-----------------------------|-----|---------|-------------|------|
| 1         | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 50   |
| 2         | Furan, tetrahydro-2-methyl- | 86  | C5H10O  | 000096-47-9 | 16   |
| 3         | Cyclopropanecarboxylic acid | 86  | C4H6O2  | 001759-53-1 | 10   |
| 4         | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 9    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:27:59

Sample: AE01733  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 5.0    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.7    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.1    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:27:59

Sample: AE01733

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB

Result source: manual entry

Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(QI Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
 Acq On : 2 Feb 2002 1:39 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:36 2002

Vial: 22  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 15.13 | 114  | 2002096  | 5.00 | ug/L  | 0.02     |
| 24) CHLOROBENZENE-D5       | 21.78 | 117  | 1933997  | 5.00 | ug/L  | 0.02     |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.97 | 152  | 878949   | 5.00 | ug/L  | 0.02     |

System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 14.36 | 65  | 857362   | 4.95 | ug/L    | 0.02 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 99.00%  |      |
| 3) 4-BROMOFLUOROBENZENE  | 24.37 | 174 | 719319   | 4.68 | ug/L    | 0.02 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 93.60%  |      |
| 25) TOLUENE-D8           | 18.47 | 98  | 2442272  | 5.06 | ug/L    | 0.00 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 101.20% |      |

Target Compounds

|                             |       |    |        |       |      | Qvalue |
|-----------------------------|-------|----|--------|-------|------|--------|
| 12) ACETONE                 | 8.27  | 43 | 145014 | 13.43 | ug/L | 98     |
| 14) METHYLENE CHLORIDE      | 9.63  | 49 | 35926  | 0.39  | ug/L | 97     |
| 15) METHYL TERT BUTYL ETHER | 9.94  | 73 | 16523  | 0.14  | ug/L | 81     |
| 18) 2-BUTANONE (MEK)        | 12.03 | 43 | 121597 | 4.79  | ug/L | 96     |
| 46) 2-HEXANONE              | 19.22 | 43 | 7047   | 0.21  | ug/L | 30     |

(#) = qualifier out of range (m) = manual integration

01733.D HP013102.M Mon Feb 04 10:36:24 2002

Page 1

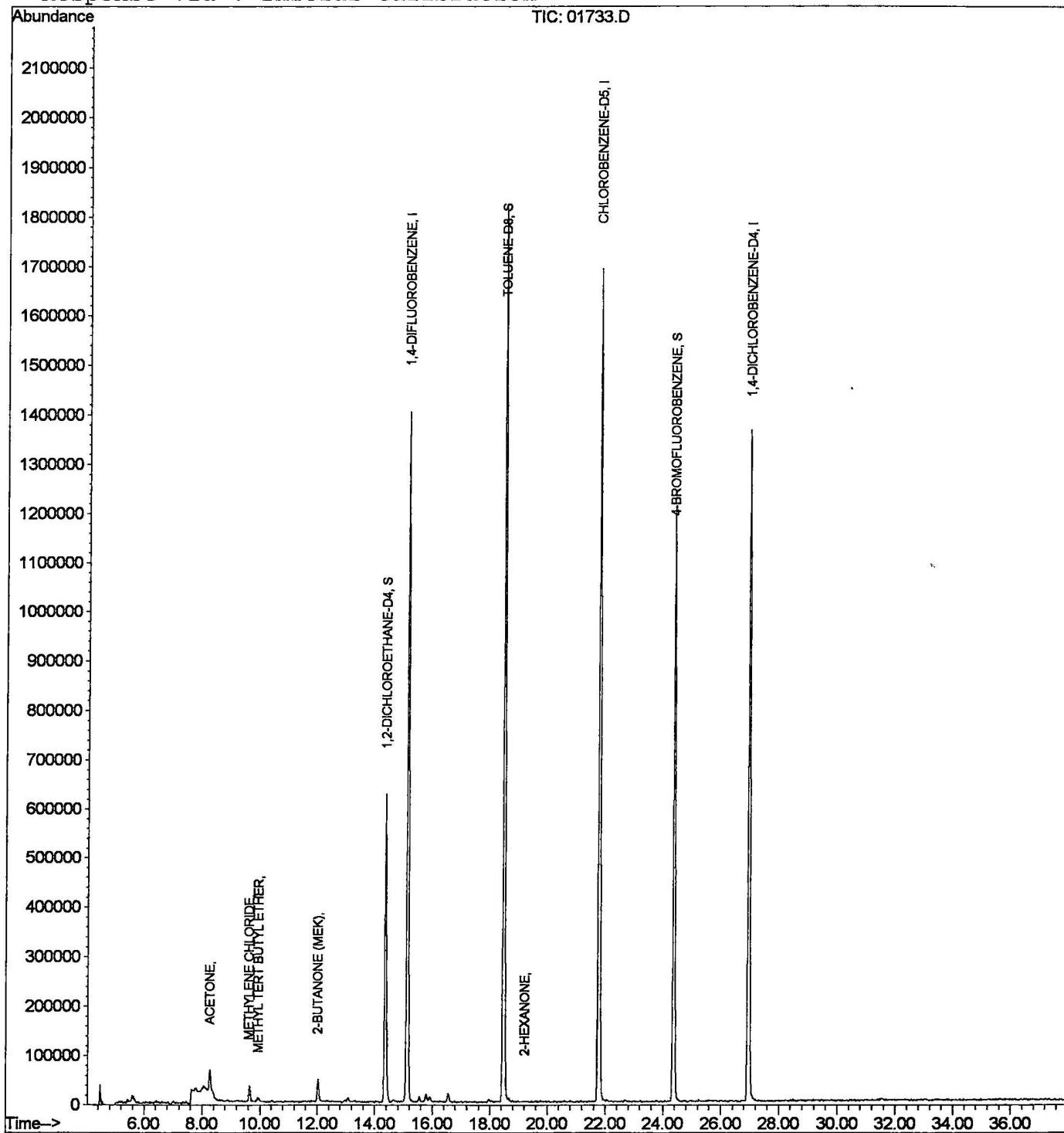
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
Acq On : 2 Feb 2002 1:39 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:36 2002

Vial: 22  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration





# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
 Acq On : 2 Feb 2002 1:39 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

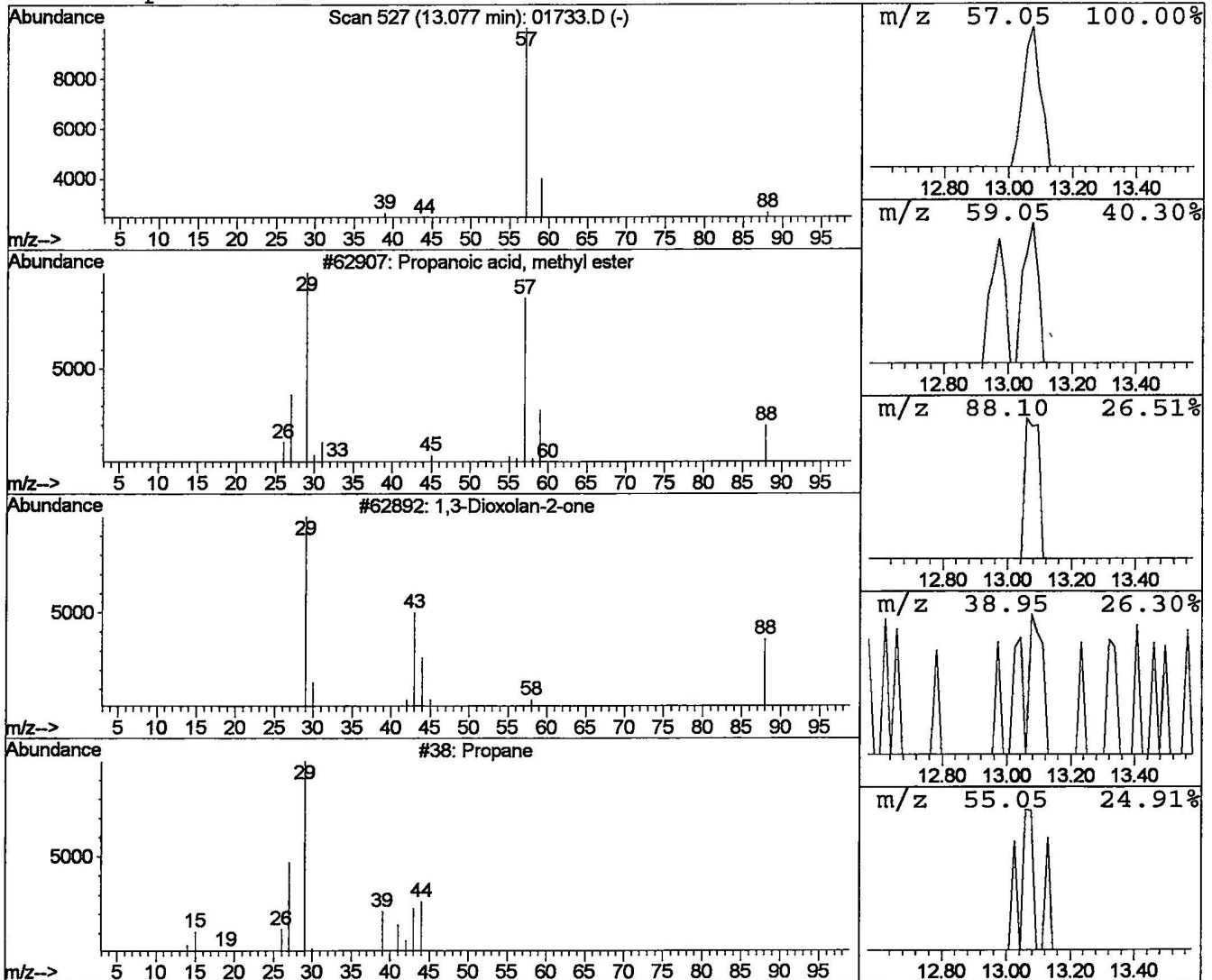
Vial: 22  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Propanoic acid, methyl ester Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 13.08 | 0.03 ug/L | 37818 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID                 | MW | MolForm | CAS#        | Qual |
|------|----|------------------------------|----|---------|-------------|------|
| 1    | 5  | Propanoic acid, methyl ester | 88 | C4H8O2  | 000554-12-1 | 9    |
| 2    |    | 1,3-Dioxolan-2-one           | 88 | C3H4O3  | 000096-49-1 | 4    |
| 3    |    | Propane                      | 44 | C3H8    | 000074-98-6 | 3    |
| 4    |    | 2-Propen-1-amine             | 57 | C3H7N   | 000107-11-9 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
 Acq On : 2 Feb 2002 1:39 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

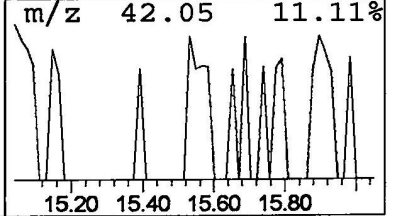
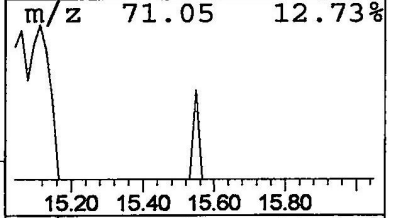
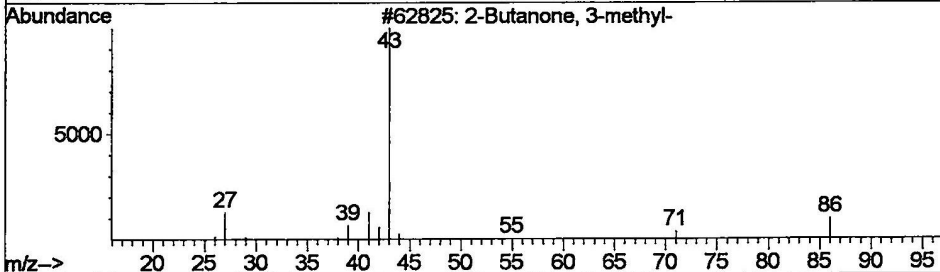
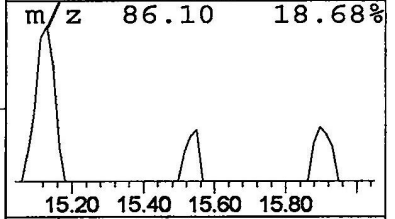
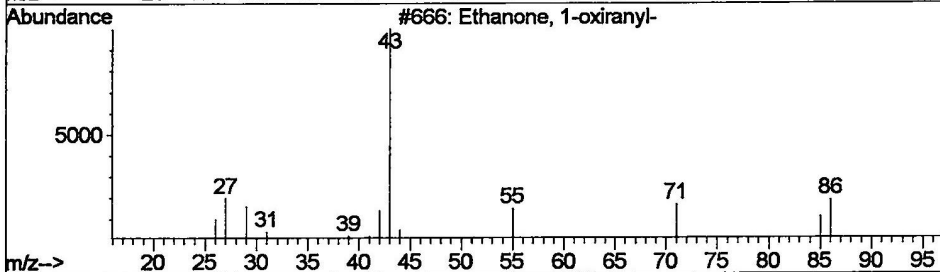
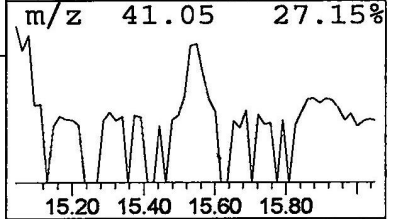
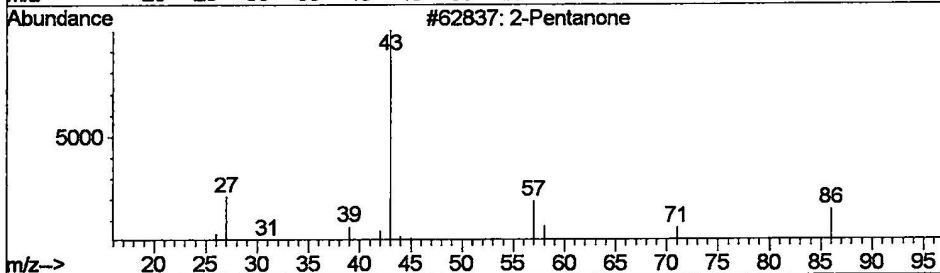
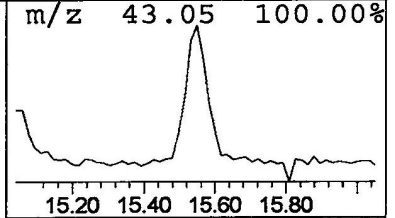
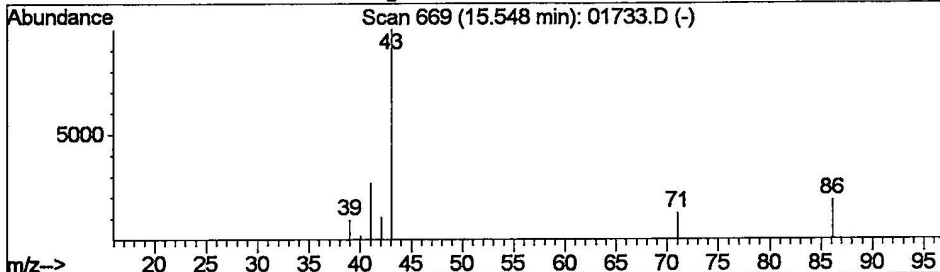
Vial: 22  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 2-Pentanone Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.55 | 0.04 ug/L | 46260 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | 2-Pentanone               | 86 | C5H10O  | 000107-87-9 | 9    |
| 2    |    | Ethanone, 1-oxiranyl-     | 86 | C4H6O2  | 004401-11-0 | 9    |
| 3    |    | 2-Butanone, 3-methyl-     | 86 | C5H10O  | 000563-80-4 | 7    |
| 4    |    | Acetic acid ethenyl ester | 86 | C4H6O2  | 000108-05-4 | 5    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
 Acq On : 2 Feb 2002 1:39 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

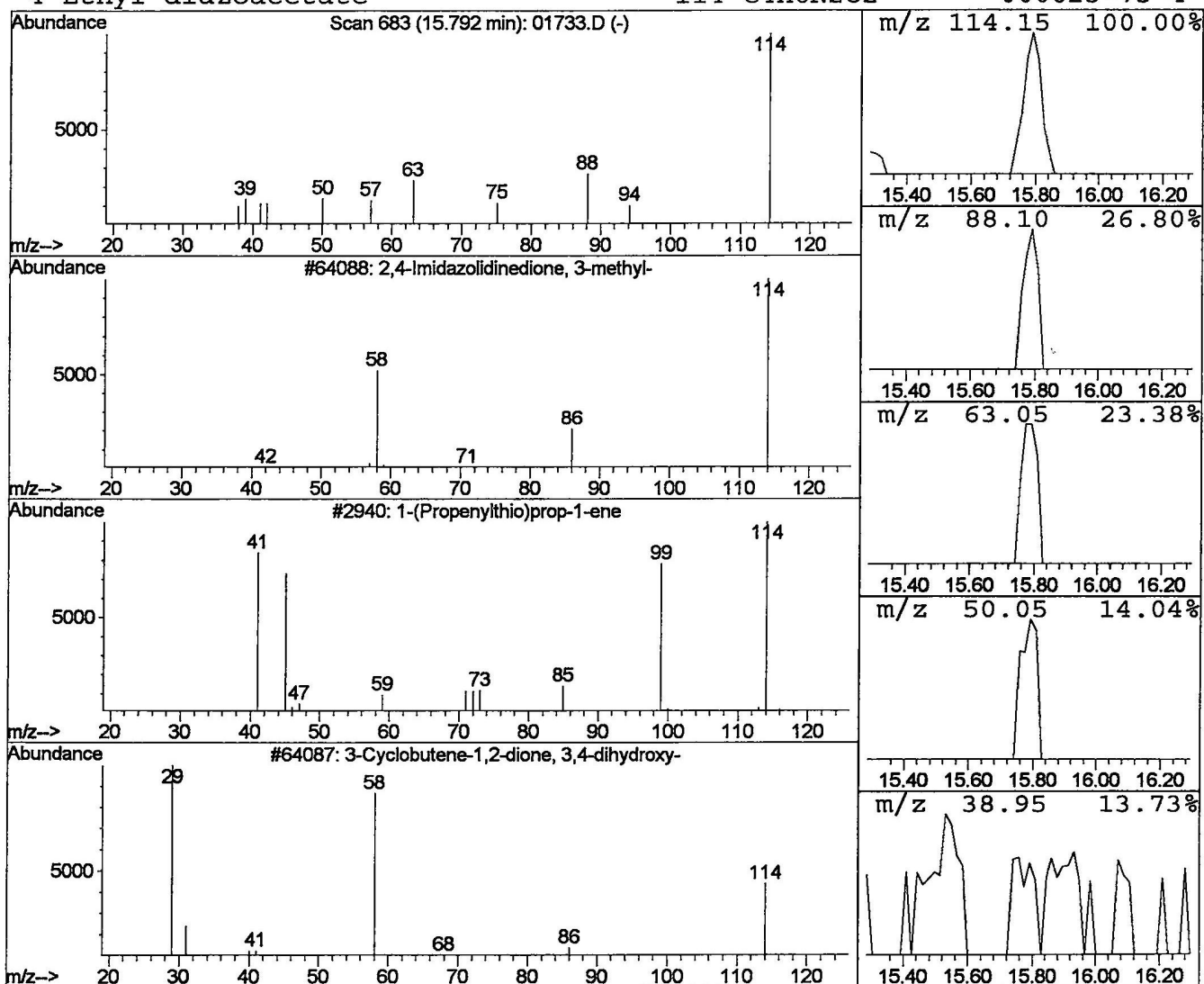
Vial: 22  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.79 | 0.05 ug/L | 56404 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2    |      | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    |      | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |      | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
 Acq On : 2 Feb 2002 1:39 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

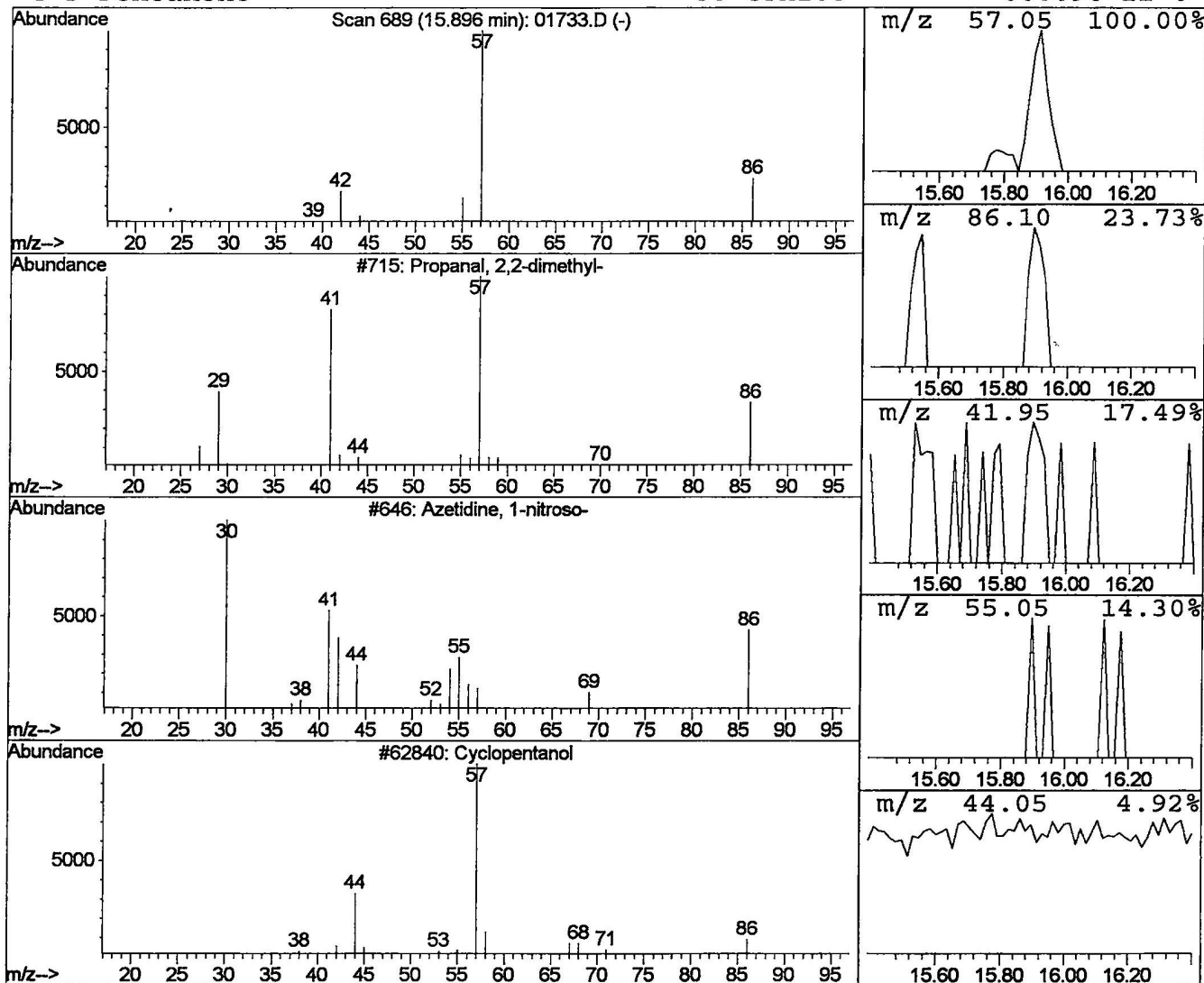
Vial: 22  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Propanal, 2,2-dimethyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.90 | 0.05 ug/L | 51282 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 5    |
| 2    |    |   | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 5    |
| 3    |    |   | Cyclopentanol           | 86 | C5H10O  | 000096-41-3 | 5    |
| 4    |    |   | 3-Pentanone             | 86 | C5H10O  | 000096-22-0 | 4    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733.D  
 Acq On : 2 Feb 2002 1:39 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

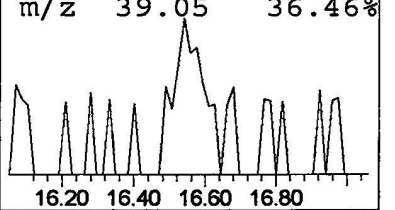
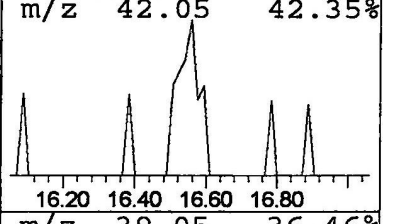
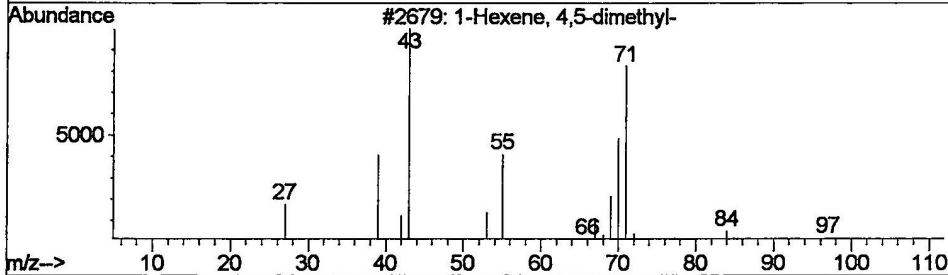
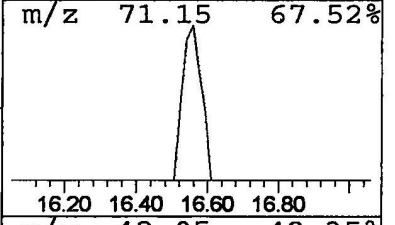
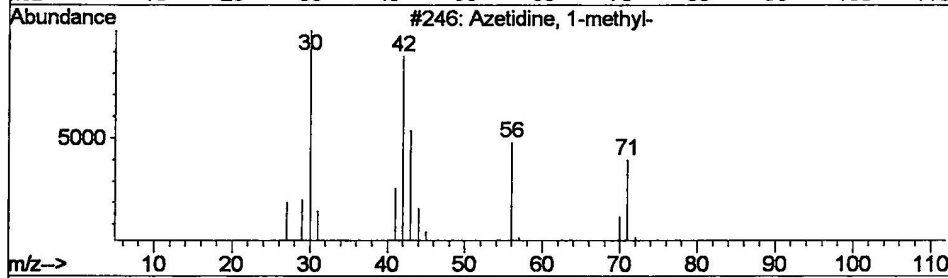
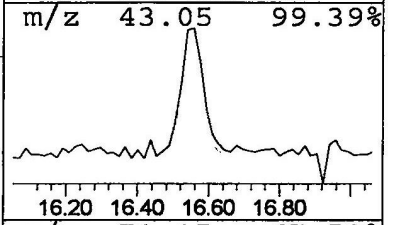
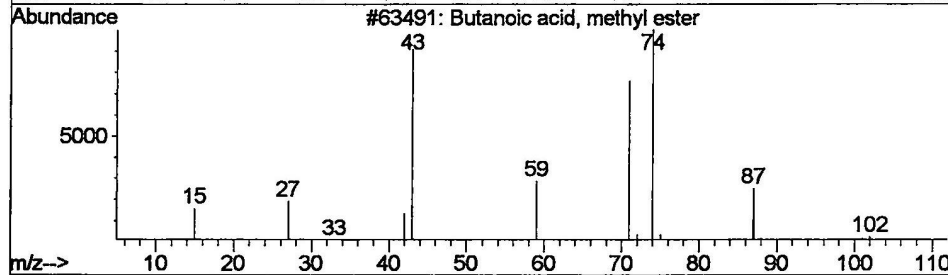
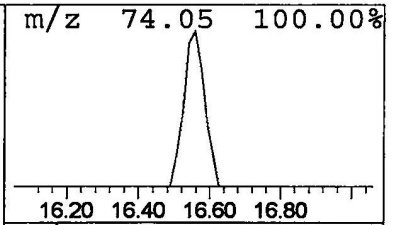
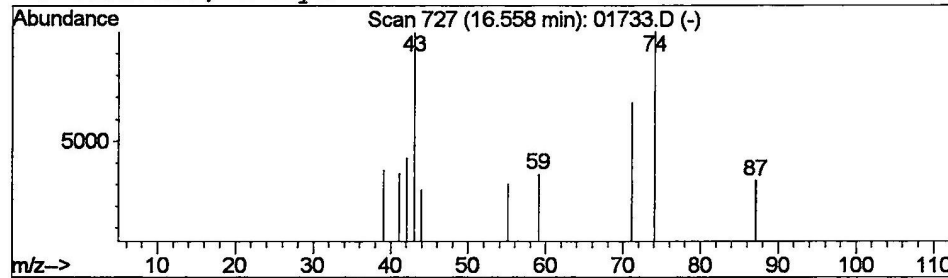
Vial: 22  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.56 | 0.07 ug/L | 83530 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 50   |
| 2    |    | Azetidine, 1-methyl-        | 71  | C4H9N   | 004923-79-9 | 9    |
| 3    |    | 1-Hexene, 4,5-dimethyl-     | 112 | C8H16   | 016106-59-5 | 9    |
| 4    |    | Oxirane, butyl-             | 100 | C6H12O  | 001436-34-6 | 9    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:28:20

Sample: AE01734  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 5.0    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.8    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.0    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 2/8/02

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:28:20

Sample: AE01734  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
 Acq On : 2 Feb 2002 2:22 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:37 2002

Vial: 23  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.13 | 114  | 1945336  | 5.00  | ug/L    | 0.02     |
| 24) CHLOROBENZENE-D5        | 21.78 | 117  | 1897088  | 5.00  | ug/L    | 0.02     |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.95 | 152  | 867227   | 5.00  | ug/L    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.36 | 65   | 840938   | 4.99  | ug/L    | 0.02     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 99.80%  |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.35 | 174  | 711176   | 4.77  | ug/L    | 0.00     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 95.40%  |          |
| 25) TOLUENE-D8              | 18.47 | 98   | 2386054  | 5.04  | ug/L    | 0.00     |
| Spiked Amount               | 5.000 |      | Recovery | =     | 100.80% |          |
| Target Compounds            |       |      |          |       |         |          |
| 12) ACETONE                 | 8.27  | 43   | 110722   | 10.55 | ug/L    | 98       |
| 14) METHYLENE CHLORIDE      | 9.63  | 49   | 33493    | 0.37  | ug/L    | 99       |
| 18) 2-BUTANONE (MEK)        | 12.01 | 43   | 130812   | 5.30  | ug/L    | 98       |
| 46) 2-HEXANONE              | 19.19 | 43   | 4836     | 0.15  | ug/L    | 30       |

(#) = qualifier out of range (m) = manual integration  
 01734.D HP013102.M Mon Feb 04 10:37:32 2002



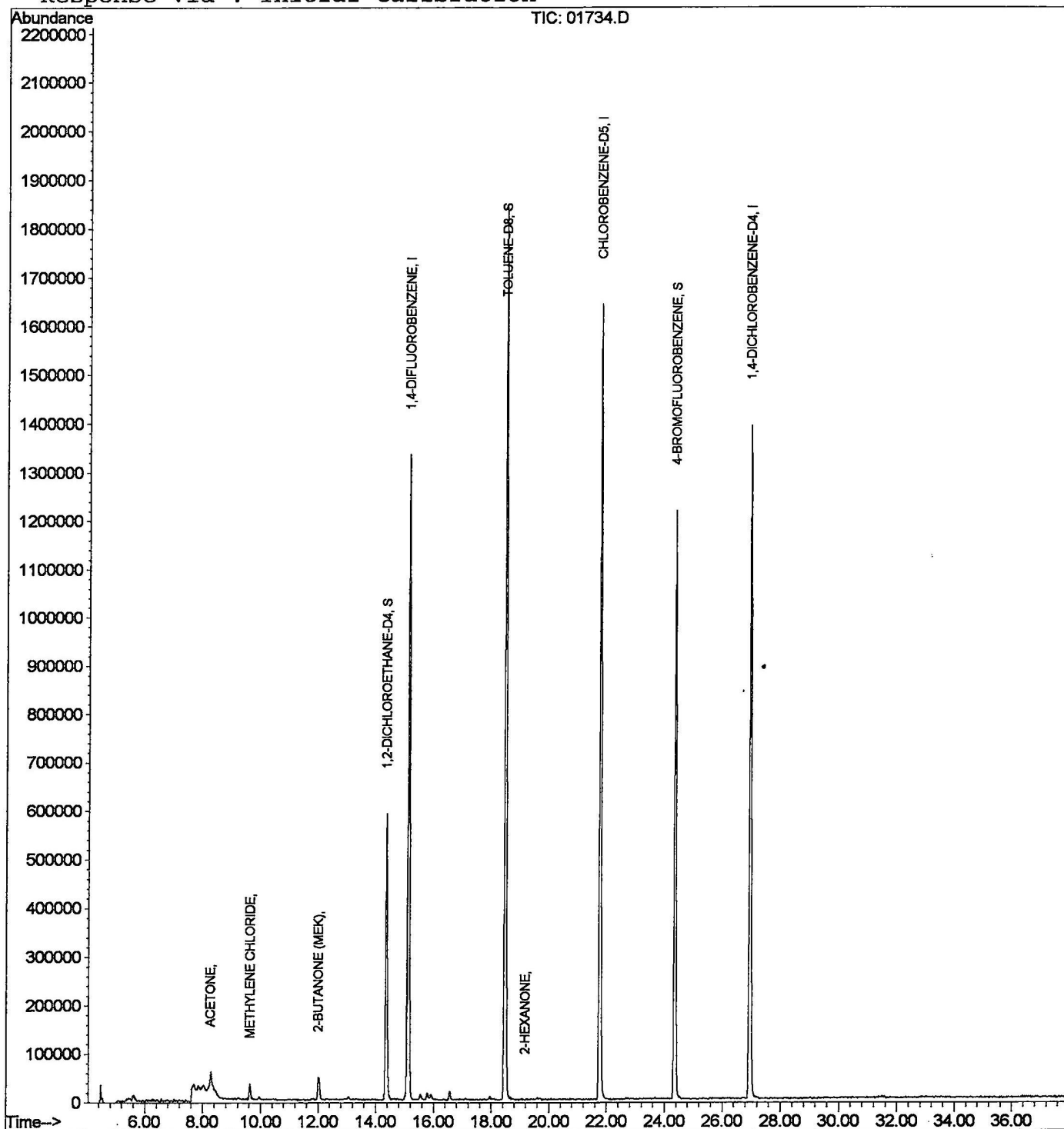
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
Acq On : 2 Feb 2002 2:22 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:37 2002

Vial: 23  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
 Acq On : 2 Feb 2002 2:22 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

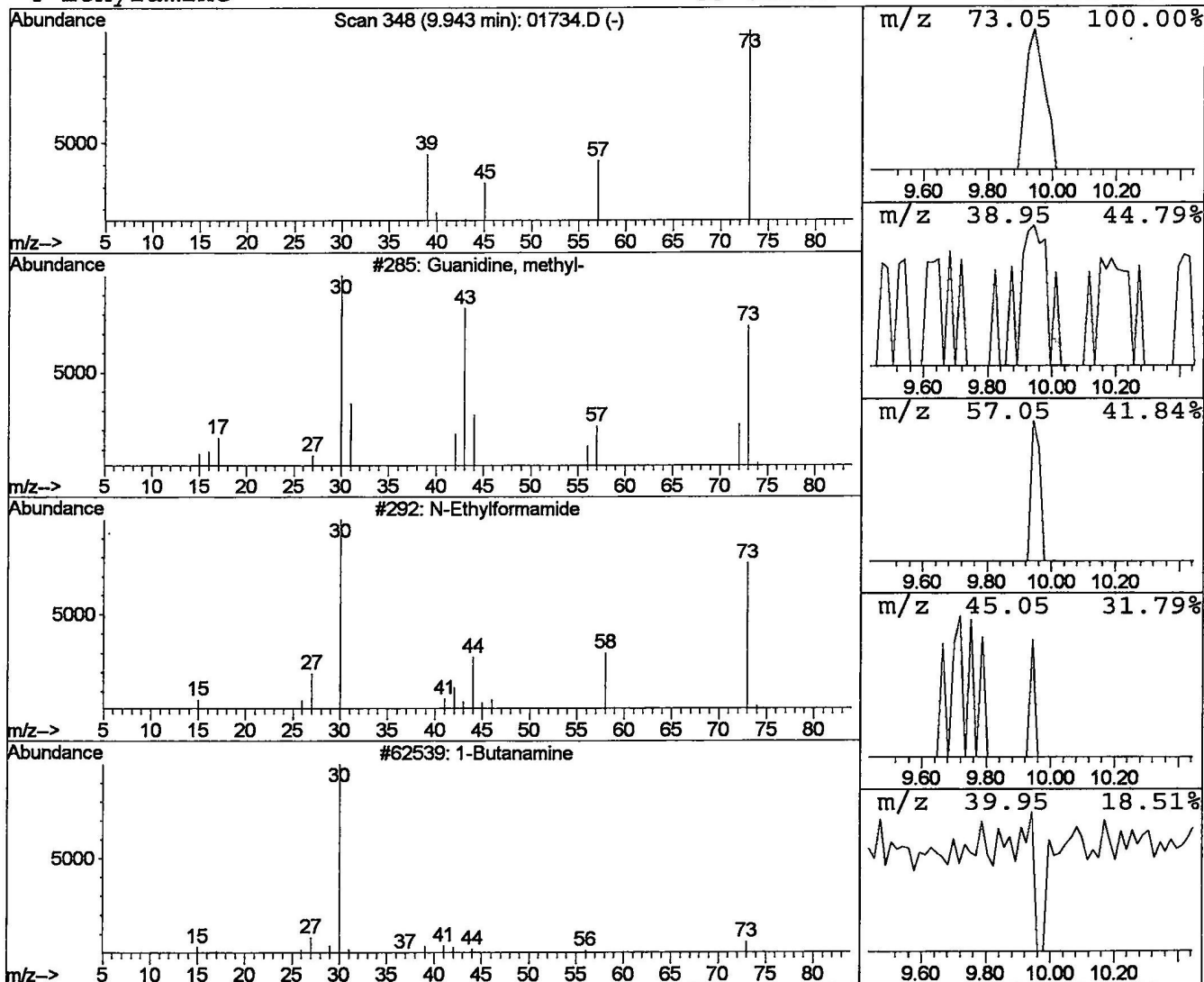
Vial: 23  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Guanidine, methyl- Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T.  |
|------|-----------|-------|---------------------|-------|
| 9.94 | 0.03 ug/L | 32064 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|--------------------|----|---------|-------------|------|
| 1    | 5  | Guanidine, methyl- | 73 | C2H7N3  | 000471-29-4 | 3    |
| 2    |    | N-Ethylformamide   | 73 | C3H7NO  | 000627-45-2 | 3    |
| 3    |    | 1-Butanamine       | 73 | C4H11N  | 000109-73-9 | 3    |
| 4    |    | Ethylamine         | 45 | C2H7N   | 000075-04-7 | 2    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
 Acq On : 2 Feb 2002 2:22 am  
 Sample : nyc  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

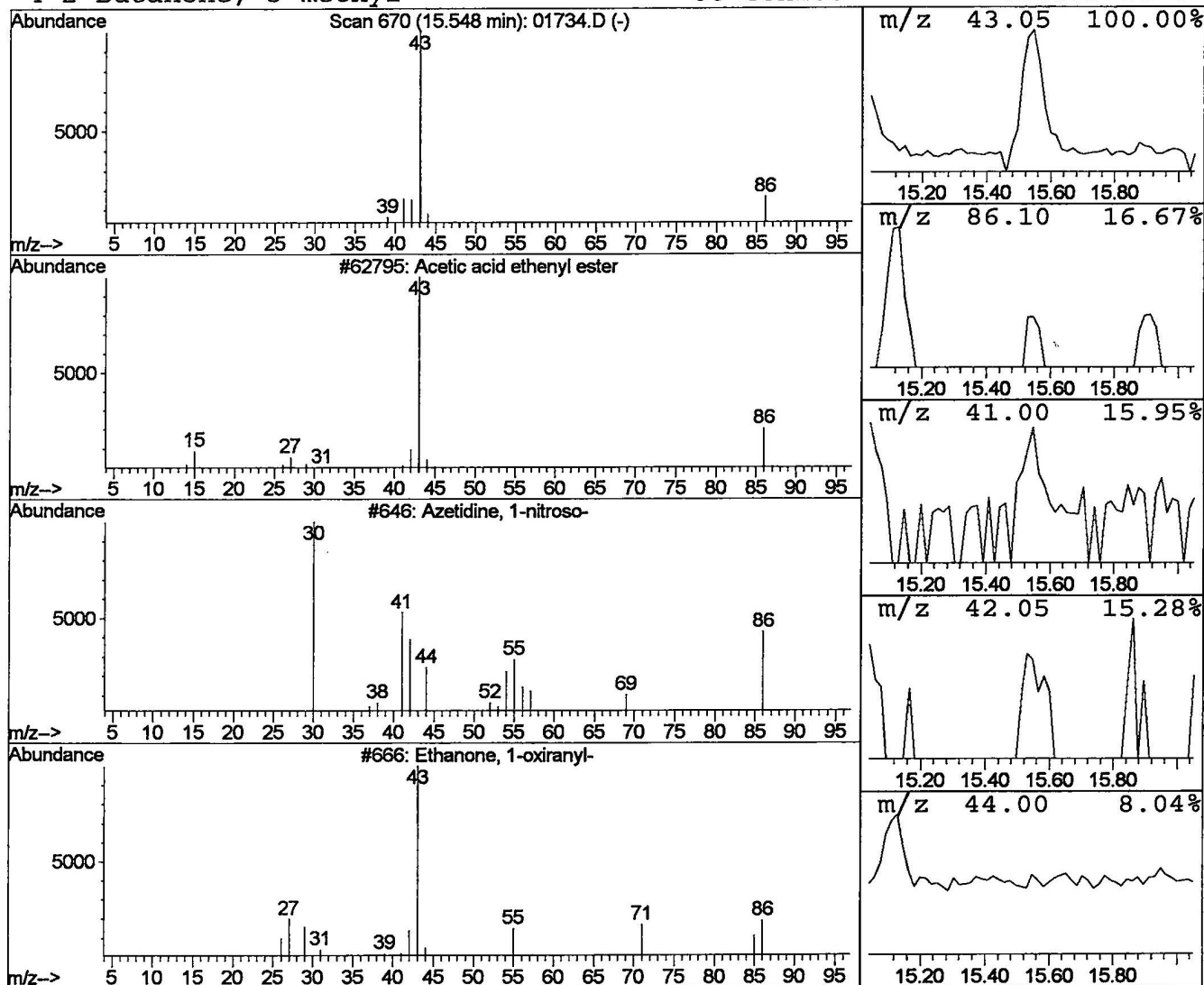
Vial: 23  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 Acetic acid ethenyl ester Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.55 | 0.04 ug/L | 45300 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | Acetic acid ethenyl ester | 86 | C4H6O2  | 000108-05-4 | 9    |
| 2    |    | Azetidine, 1-nitroso-     | 86 | C3H6N2O | 015216-10-1 | 9    |
| 3    |    | Ethanone, 1-oxiranyl-     | 86 | C4H6O2  | 004401-11-0 | 9    |
| 4    |    | 2-Butanone, 3-methyl-     | 86 | C5H10O  | 000563-80-4 | 7    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
Acq On : 2 Feb 2002 2:22 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

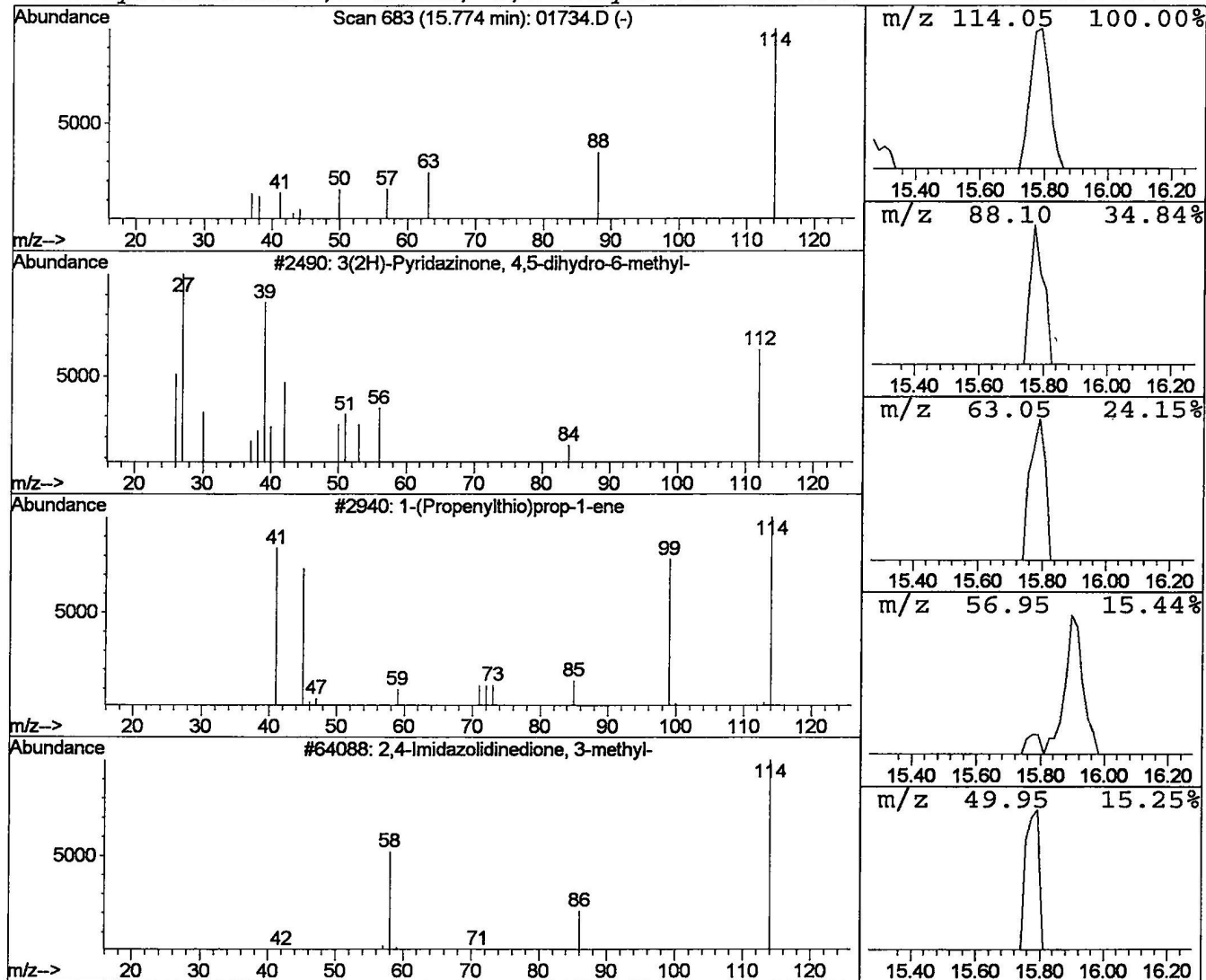
Vial: 23  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 3(2H)-Pyridazinone, 4,5-dihydr Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.77 | 0.05 ug/L | 50772 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of  | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|-----|------------------------------------|-----|----------|-------------|------|
| 1    | 3   | (2H)-Pyridazinone, 4,5-dihydro-6-m | 112 | C5H8N2O  | 005157-08-4 | 4    |
| 2    | 1   | -(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3    | 2,4 | -Imidazolidinedione, 3-methyl-     | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 4    | 3   | -Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
Acq On : 2 Feb 2002 2:22 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

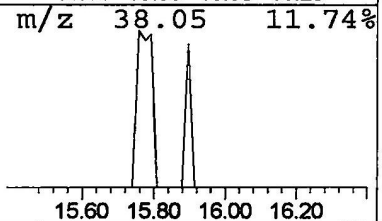
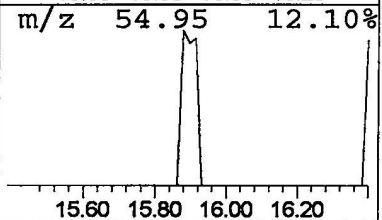
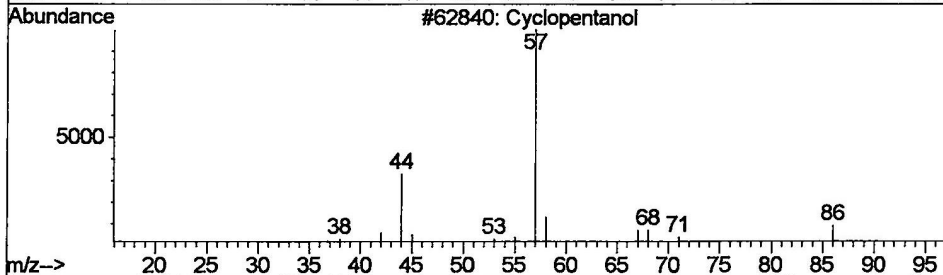
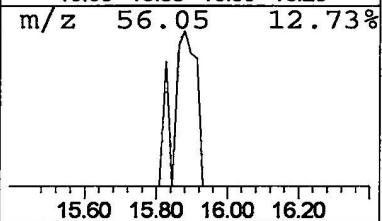
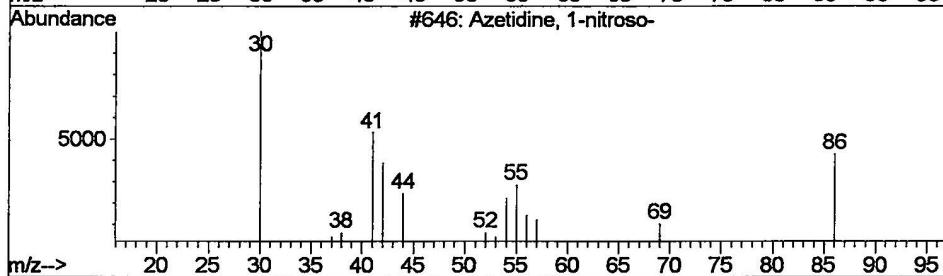
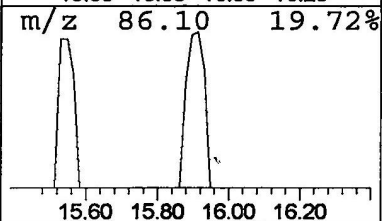
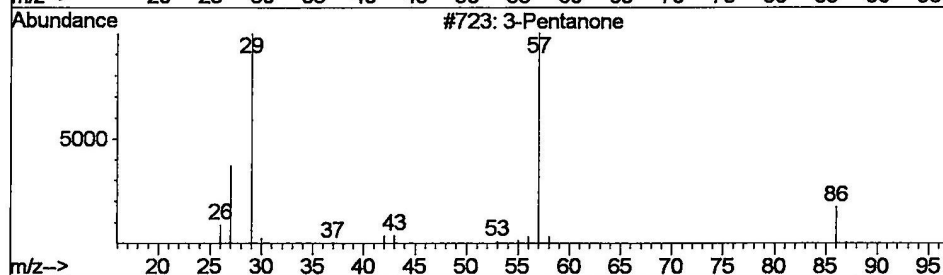
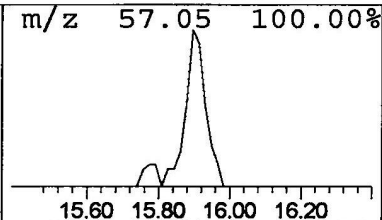
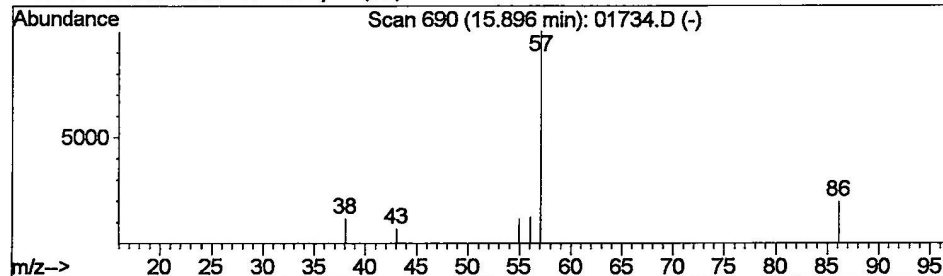
Vial: 23  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 4 3-Pentanone Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.90 | 0.04 ug/L | 44536 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | 3-Pentanone           | 86 | C5H10O  | 000096-22-0 | 5    |
| 2    |    |   | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 4    |
| 3    |    |   | Cyclopentanol         | 86 | C5H10O  | 000096-41-3 | 4    |
| 4    |    |   | 2-Penten-1-ol, (E) -  | 86 | C5H10O  | 001576-96-1 | 3    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01734.D  
Acq On : 2 Feb 2002 2:22 am  
Sample : nyc  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

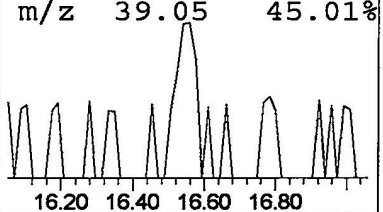
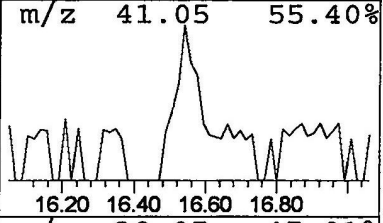
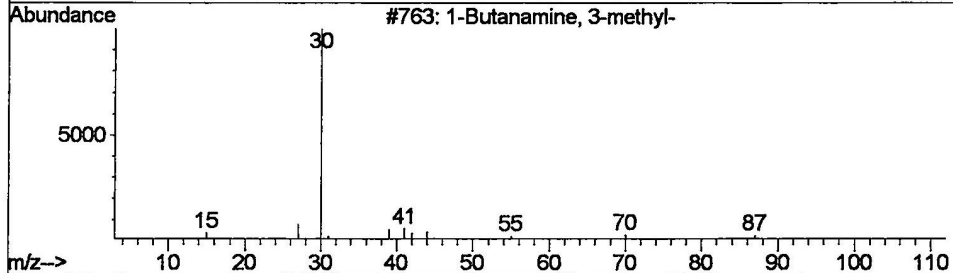
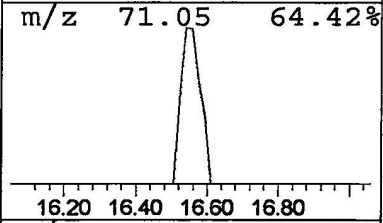
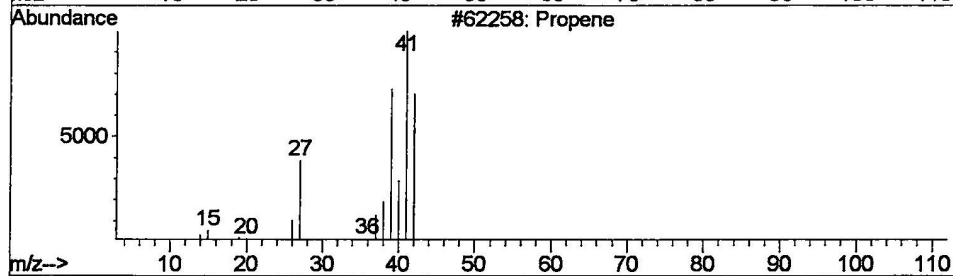
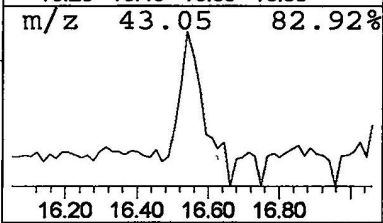
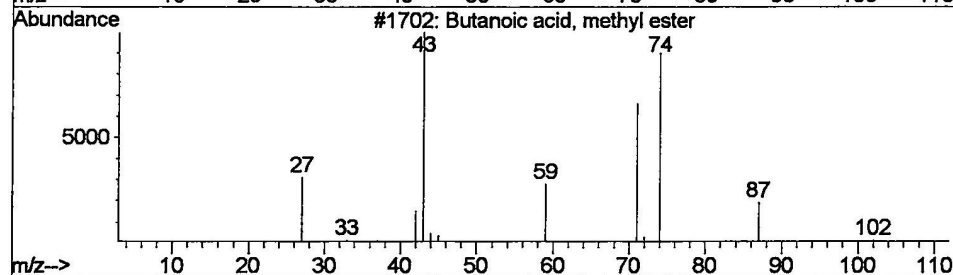
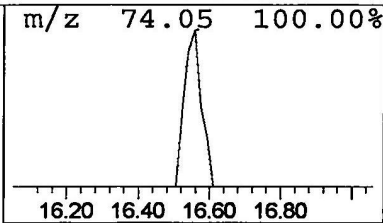
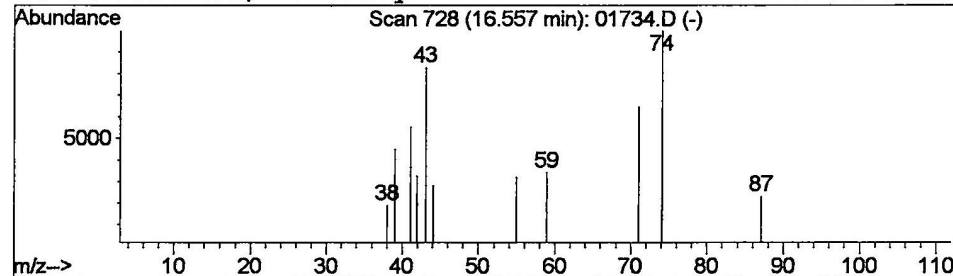
Vial: 23  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.56 | 0.07 ug/L | 78402 | 1,4-DIFLUOROBENZENE | 15.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 45   |
| 2    |    | Propene                     | 42  | C3H6    | 000115-07-1 | 9    |
| 3    |    | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 9    |
| 4    |    | Azetidine, 1-methyl-        | 71  | C4H9N   | 004923-79-9 | 9    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:28:39

Sample: AE01648  
 Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-D      |      | 5.1    |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |      | 4.7    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | Chloroform                     |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr_TOLUENE-D8                |      | 5.1    |           | .5  |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | Bromodichloromethane           |      | < MDL  |           | .5  |
| 29 | Methy iso-butyl ketone (MIBK)  |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | Dibromochloromethane           |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | Bromoform                      |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

Acetone 8.0  
 MEK 5.02  
 MeCl<sub>2</sub> 0.43

User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:28:39

Sample: AE01648  
Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | .5  |
| 50 | 2-chlorotoluene        |      | < MDL  |           | .5  |
| 51 | 4-chlorotoluene        |      | < MDL  |           | .5  |
| 52 | TERT-butylbenzene      |      | < MDL  |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | .5  |
| 54 | SEC-butylbenzene       |      | < MDL  |           | .5  |
| 55 | P-isopropyltoluene     |      | < MDL  |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | .5  |
| 58 | N-butylbenzene         |      | < MDL  |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | .5  |
| 61 | Hexachlobutadiene      |      | < MDL  |           | .5  |
| 62 | Naphthalene            |      | < MDL  |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | .5  |



# Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
 Acq On : 2 Feb 2002 4:32 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:39 2002

Vial: 26  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.11 | 114  | 1893554  | 5.00  | ug/L    | 0.00     |
| 24) CHLOROBENZENE-D5        | 21.76 | 117  | 1805267  | 5.00  | ug/L    | 0.00     |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.95 | 152  | 821192   | 5.00  | ug/L    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.35 | 65   | 837747   | 5.11  | ug/L    | 0.00     |
| Spiked Amount 5.000         |       |      | Recovery | =     | 102.20% |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.35 | 174  | 682843   | 4.70  | ug/L    | 0.00     |
| Spiked Amount 5.000         |       |      | Recovery | =     | 94.00%  |          |
| 25) TOLUENE-D8              | 18.47 | 98   | 2285848  | 5.07  | ug/L    | 0.00     |
| Spiked Amount 5.000         |       |      | Recovery | =     | 101.40% |          |
| Target Compounds            |       |      |          |       |         |          |
| 12) ACETONE                 | 8.25  | 43   | 903680   | 88.46 | ug/L    | 97       |
| 14) METHYLENE CHLORIDE      | 9.61  | 49   | 38182    | 0.43  | ug/L    | 95       |
| 18) 2-BUTANONE (MEK)        | 12.01 | 43   | 120422   | 5.02  | ug/L    | 98       |
| 37) TOLUENE                 | 18.65 | 91   | 15328    | 0.05  | ug/L    | 96       |
| 46) 2-HEXANONE              | 19.17 | 43   | 2535     | 0.08  | ug/L    | 30       |

(#) = qualifier out of range (m) = manual integration

01648F.D HP013102.M Mon Feb 04 10:40:04 2002

Page 1

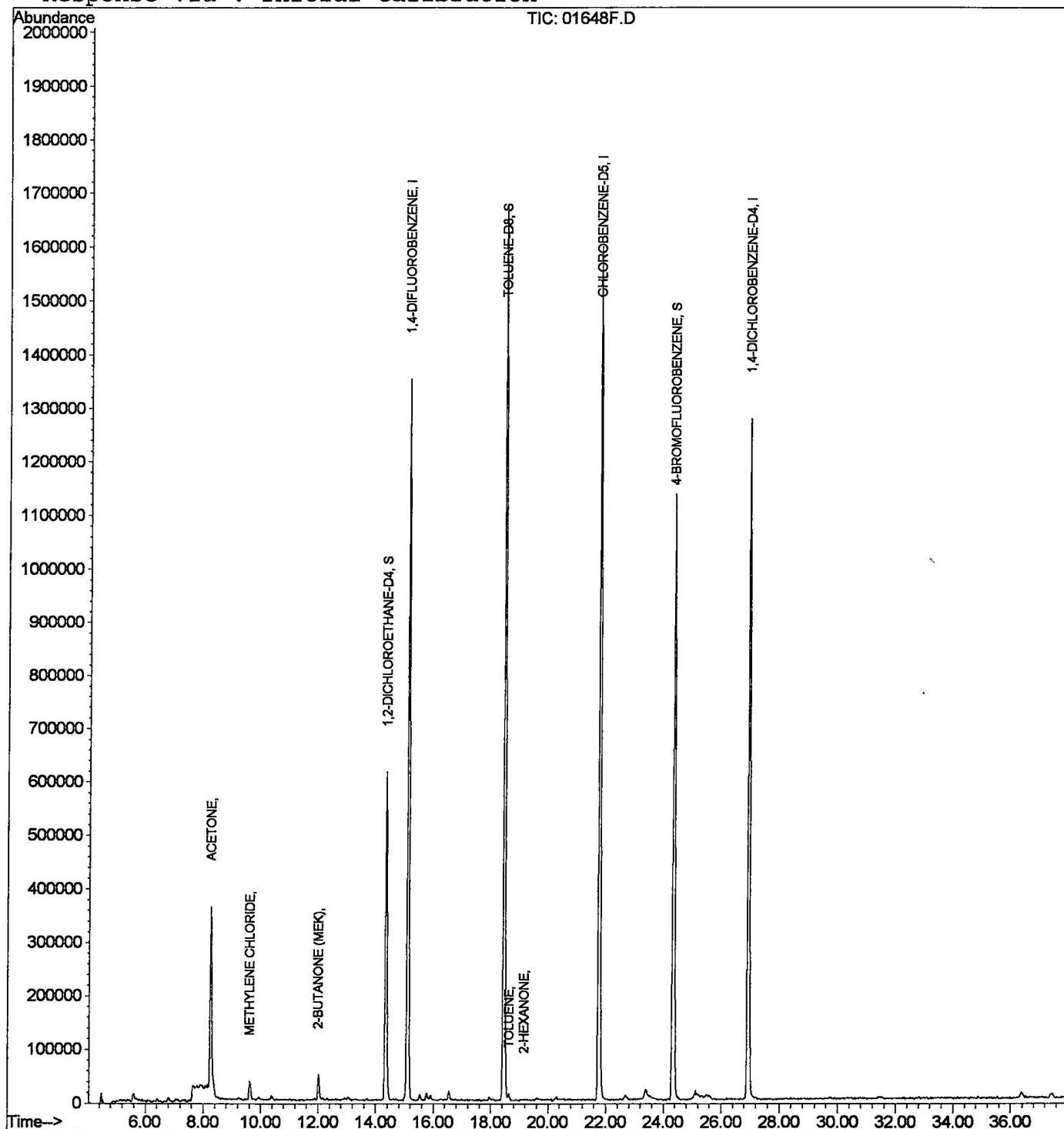
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
Acq On : 2 Feb 2002 4:32 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:39 2002

Vial: 26  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
 Acq On : 2 Feb 2002 4:32 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

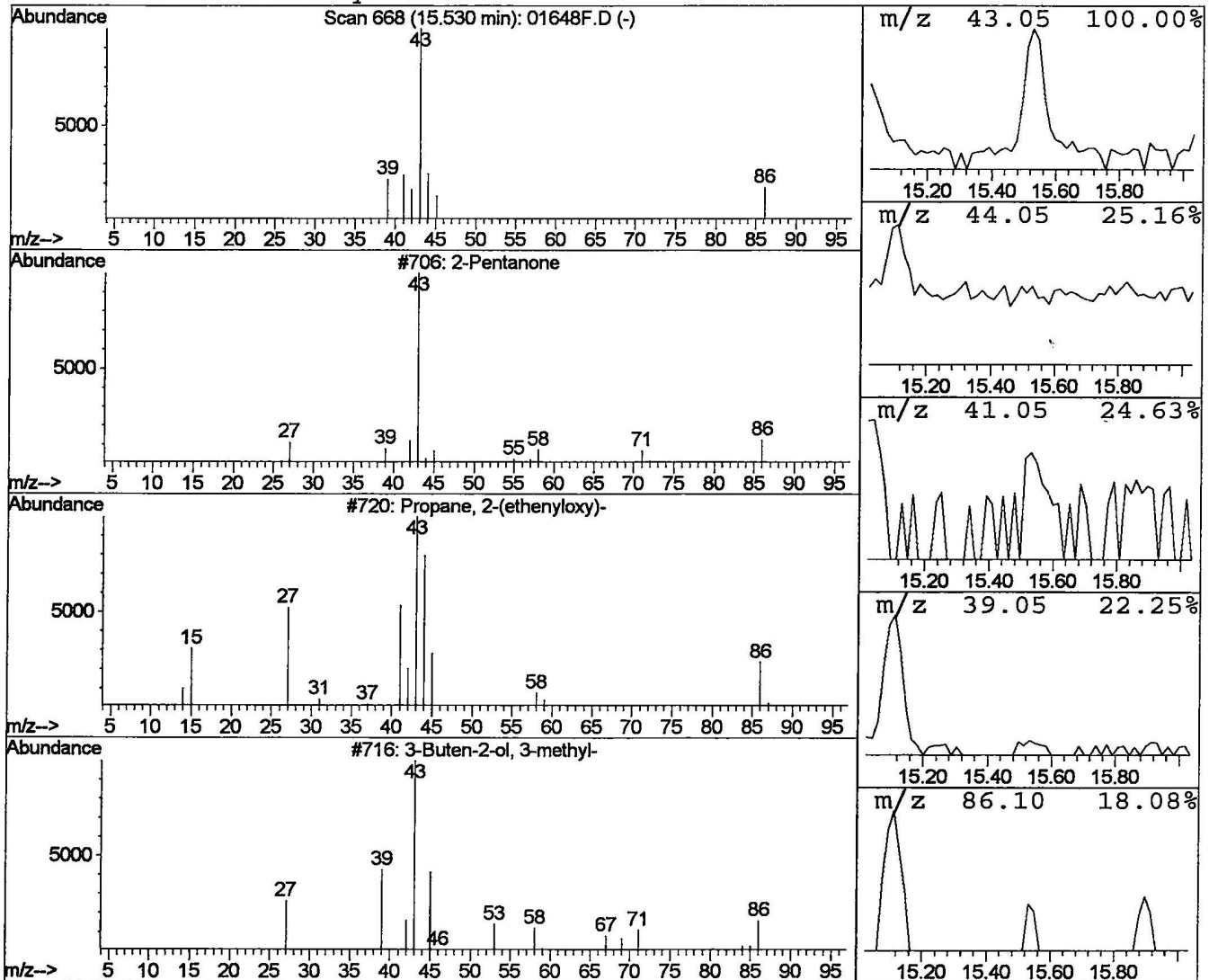
Vial: 26  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 2-Pentanone Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.53 | 0.05 ug/L | 55962 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | 2-Pentanone               | 86 | C5H10O  | 000107-87-9 | 9    |
| 2    |    | Propane, 2-(ethenyloxy)-  | 86 | C5H10O  | 000926-65-8 | 7    |
| 3    |    | 3-Buten-2-ol, 3-methyl-   | 86 | C5H10O  | 010473-14-0 | 5    |
| 4    |    | Acetic acid ethenyl ester | 86 | C4H6O2  | 000108-05-4 | 5    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
 Acq On : 2 Feb 2002 4:32 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

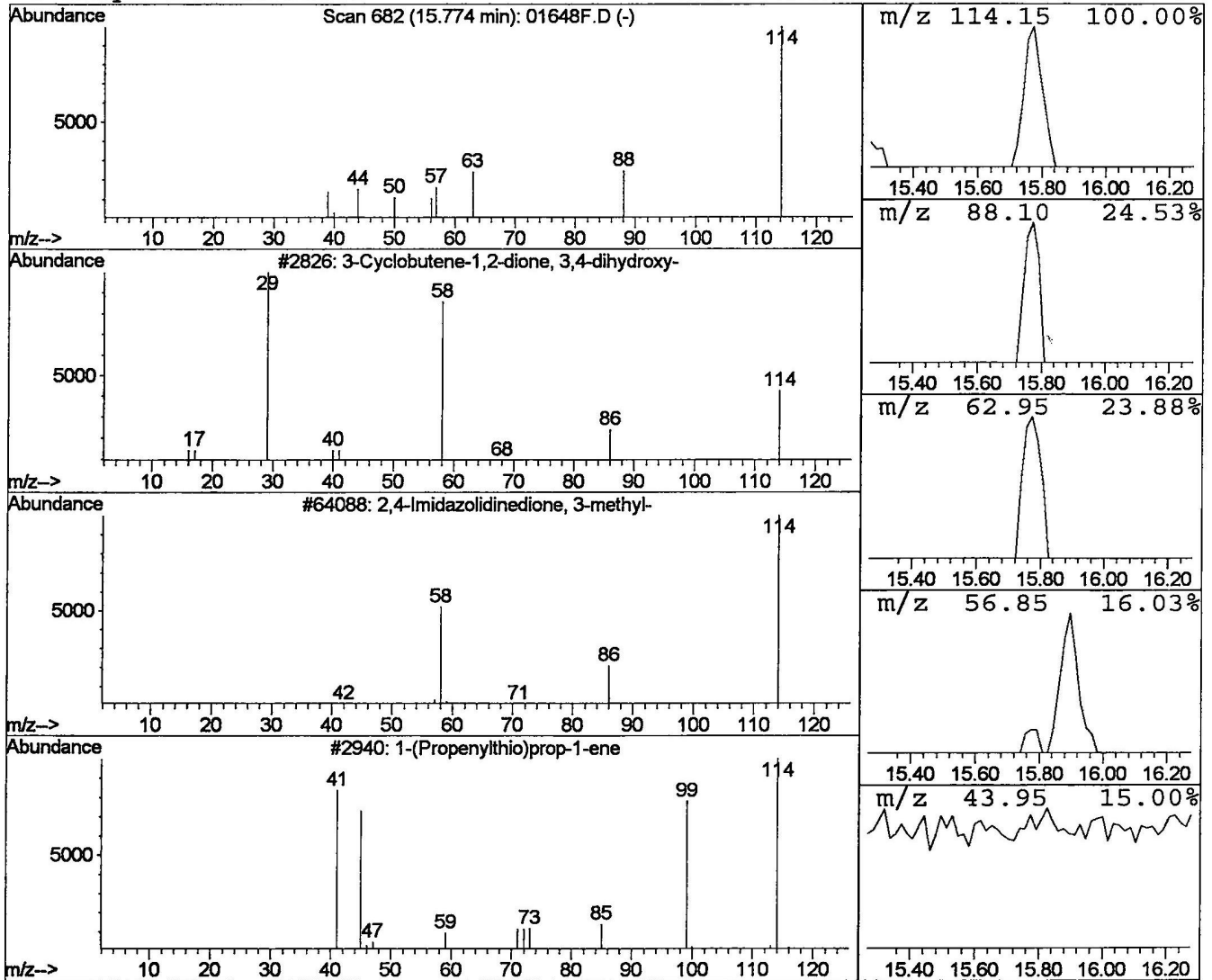
Vial: 26  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.77 | 0.05 ug/L | 57202 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 4    |
| 2    |    | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3    |    | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
Acq On : 2 Feb 2002 4:32 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

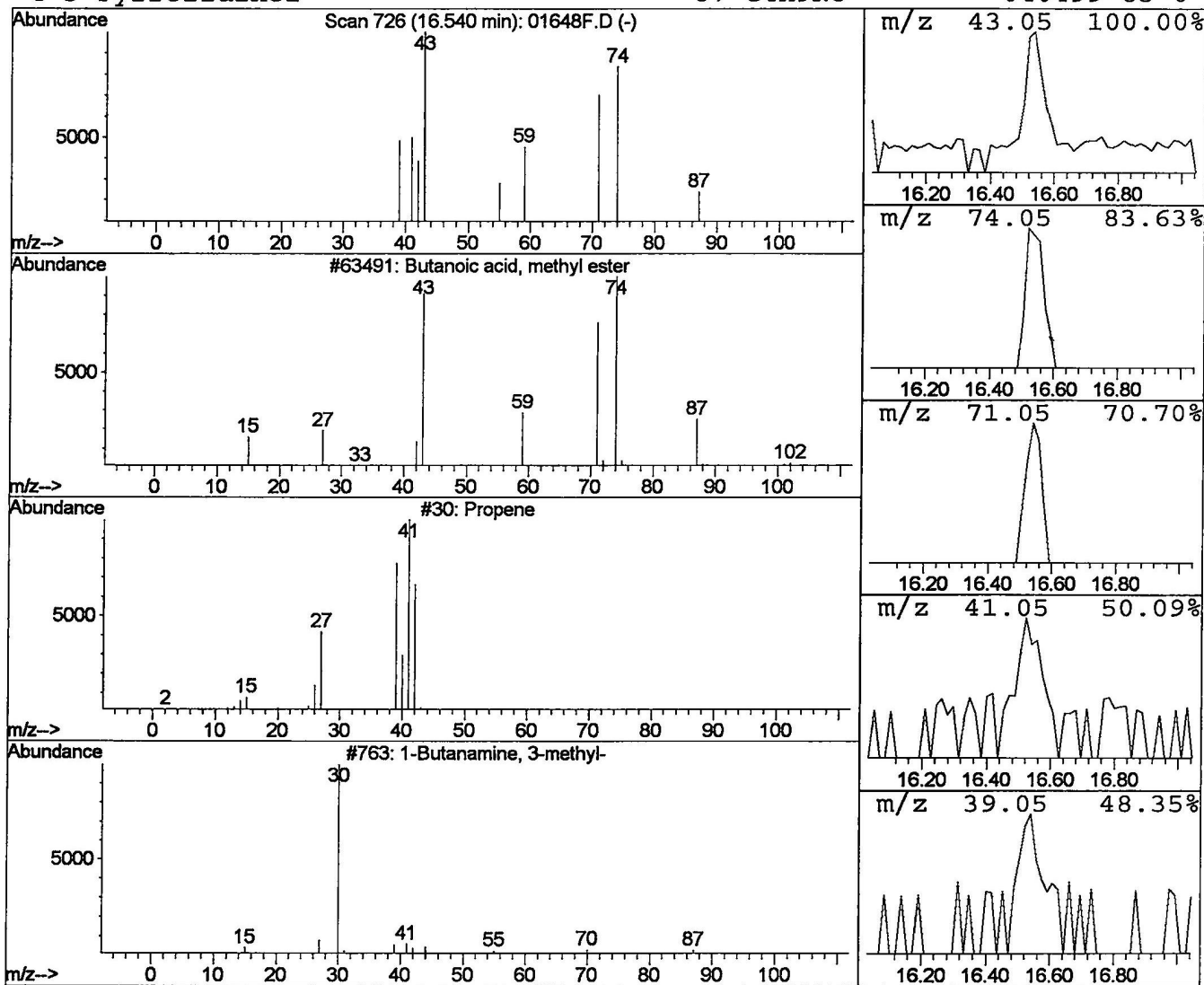
Vial: 26  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Butanoic acid, methyl ester Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.54 | 0.07 ug/L | 73777 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 33   |
| 2    |    |   | Propene                     | 42  | C3H6    | 000115-07-1 | 9    |
| 3    |    |   | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 9    |
| 4    |    |   | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 9    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
Acq On : 2 Feb 2002 4:32 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

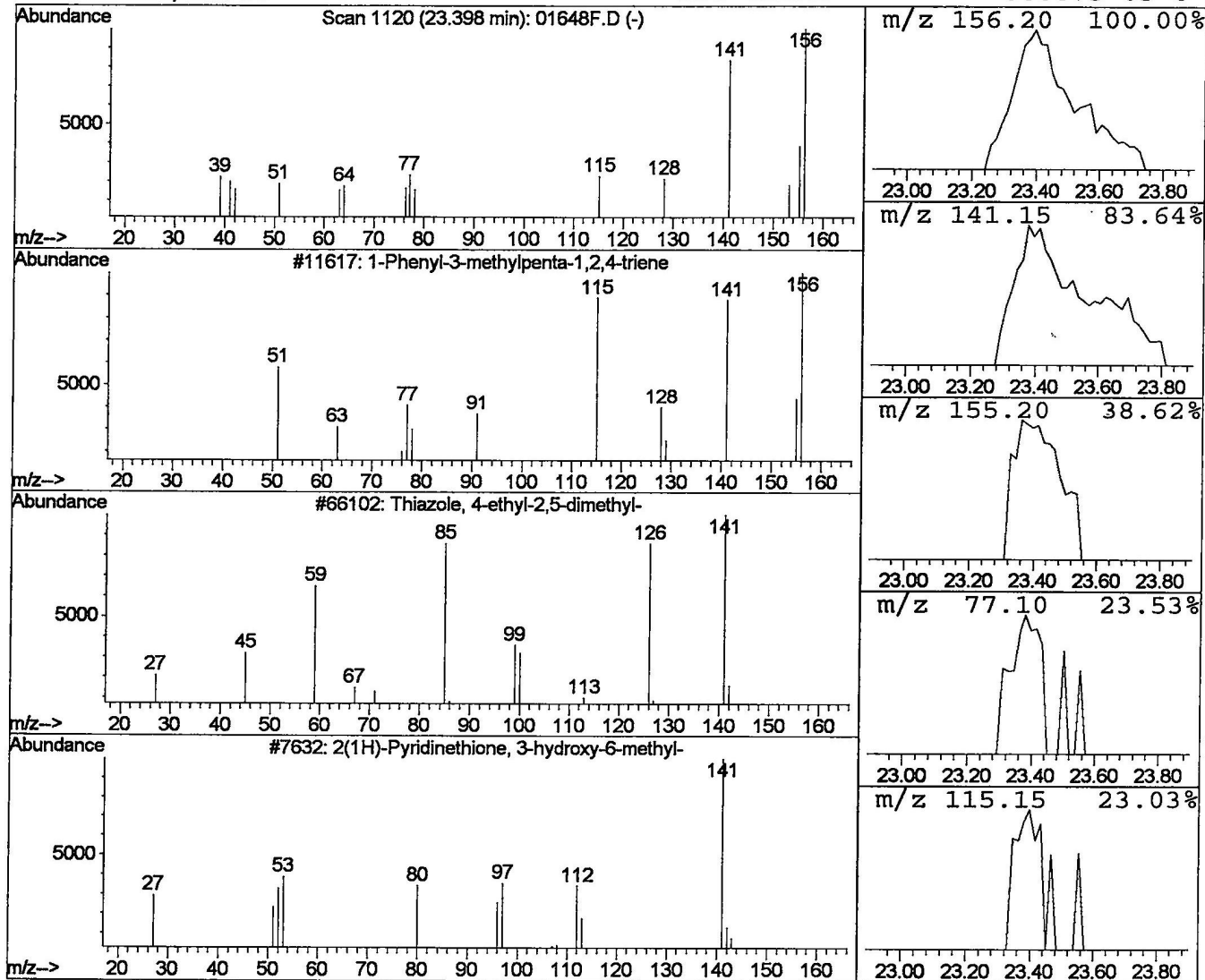
Vial: 26  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 4 1-Phenyl-3-methylpenta-1,2,4-t Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 23.40 | 0.11 ug/L | 144712 | CHLOROBENZENE-D5 | 21.76 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Phenyl-3-methylpenta-1,2,4-triene | 156 | C12H12  | 000000-00-0 | 36   |
| 2    |    |   | Thiazole, 4-ethyl-2,5-dimethyl-     | 141 | C7H11NS | 032272-57-4 | 5    |
| 3    |    |   | 2(1H)-Pyridinethione, 3-hydroxy-6-m | 141 | C6H7NOS | 022989-67-9 | 4    |
| 4    |    |   | Ethane, iodo-                       | 156 | C2H5I   | 000075-03-6 | 3    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01648F.D  
Acq On : 2 Feb 2002 4:32 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

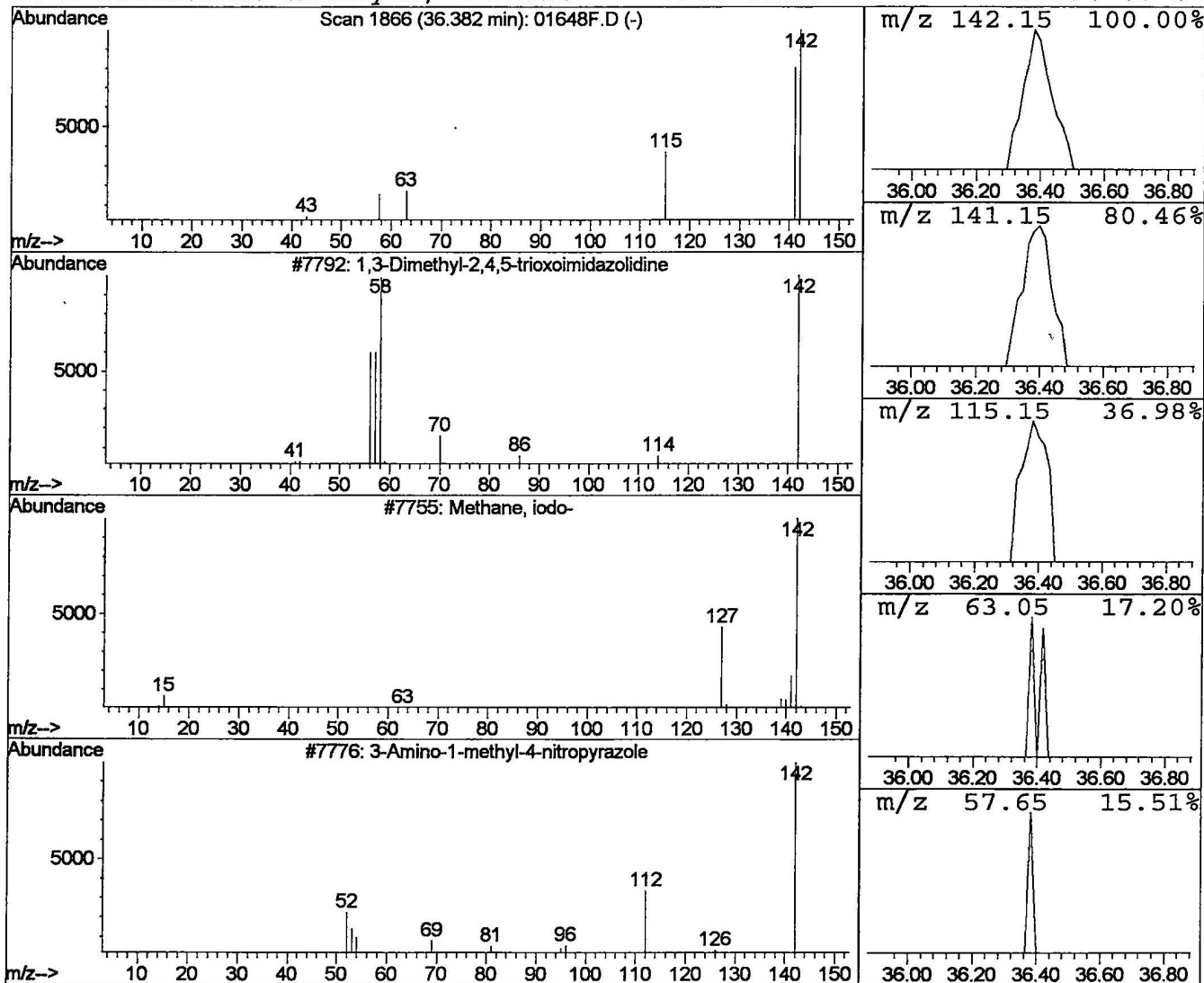
Vial: 26  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 1,3-Dimethyl-2,4,5-trioxoimida Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 36.38 | 0.07 ug/L | 74140 | 1,4-DICHLOROBENZENE-D4 | 26.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,3-Dimethyl-2,4,5-trioxoimidazolid | 142 | C5H6N2O3 | 005176-82-9 | 3    |
| 2    |    | Methane, iodo-                      | 142 | CH3I     | 000074-88-4 | 2    |
| 3    |    | 3-Amino-1-methyl-4-nitropyrazole    | 142 | C4H6N4O2 | 020055-00-9 | 2    |
| 4    |    | 2-Furancarboxaldehyde, 5-nitro-     | 141 | C5H3NO4  | 000698-63-5 | 2    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:29:02

Sample: AE01646  
 Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-D      |      | 5.0    |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |      | 5.0    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | Chloroform                     |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr_TOLUENE-D8                |      | 4.9    |           | .5  |
| 21 | 1,1,1-trichloroethane          |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | Bromodichloromethane           |      | < MDL  |           | .5  |
| 29 | Methy iso-butyl ketone (MIBK)  |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | Dibromochloromethane           |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | Bromoform                      |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

*Acetone 154.44*



User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:29:02

Sample: AE01646  
Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | .5  |
| 50 | 2-chlorotoluene        |      | < MDL  |           | .5  |
| 51 | 4-chlorotoluene        |      | < MDL  |           | .5  |
| 52 | TERT-butylbenzene      |      | < MDL  |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | .5  |
| 54 | SEC-butylbenzene       |      | < MDL  |           | .5  |
| 55 | P-isopropyltoluene     |      | < MDL  |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | .5  |
| 58 | N-butylbenzene         |      | < MDL  |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | .5  |
| 61 | Hexachlobutadiene      |      | < MDL  |           | .5  |
| 62 | Naphthalene            |      | < MDL  |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | .5  |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01646F.D  
 Acq On : 2 Feb 2002 5:15 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:40 2002

Vial: 27  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 15.11 | 114  | 1867620  | 5.00   | ug/L    | 0.00     |
| 24) CHLOROBENZENE-D5        | 21.76 | 117  | 1867811  | 5.00   | ug/L    | 0.00     |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.93 | 152  | 838508   | 5.00   | ug/L    | -0.02    |
| System Monitoring Compounds |       |      |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 14.35 | 65   | 809158   | 5.00   | ug/L    | 0.00     |
| Spiked Amount               | 5.000 |      | Recovery | =      | 100.00% |          |
| 3) 4-BROMOFLUOROBENZENE     | 24.34 | 174  | 694987   | 4.85   | ug/L    | -0.02    |
| Spiked Amount               | 5.000 |      | Recovery | =      | 97.00%  |          |
| 25) TOLUENE-D8              | 18.46 | 98   | 2323104  | 4.98   | ug/L    | -0.02    |
| Spiked Amount               | 5.000 |      | Recovery | =      | 99.60%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 12) ACETONE                 | 8.26  | 43   | 1556106  | 154.44 | ug/L    | 97       |
| 14) METHYLENE CHLORIDE      | 9.61  | 49   | 65940    | 0.76   | ug/L    | 93       |
| 15) METHYL TERT BUTYL ETHER | 9.93  | 73   | 65377    | 0.60   | ug/L    | 92       |
| 18) 2-BUTANONE (MEK)        | 12.01 | 43   | 93490    | 3.95   | ug/L    | 96       |
| 37) TOLUENE                 | 18.63 | 91   | 17528    | 0.06   | ug/L    | 93       |
| 46) 2-HEXANONE              | 19.20 | 43   | 3626     | 0.11   | ug/L    | 30       |

(#) = qualifier out of range (m) = manual integration

01646F.D HP013102.M Mon Feb 04 10:41:20 2002

Page 1

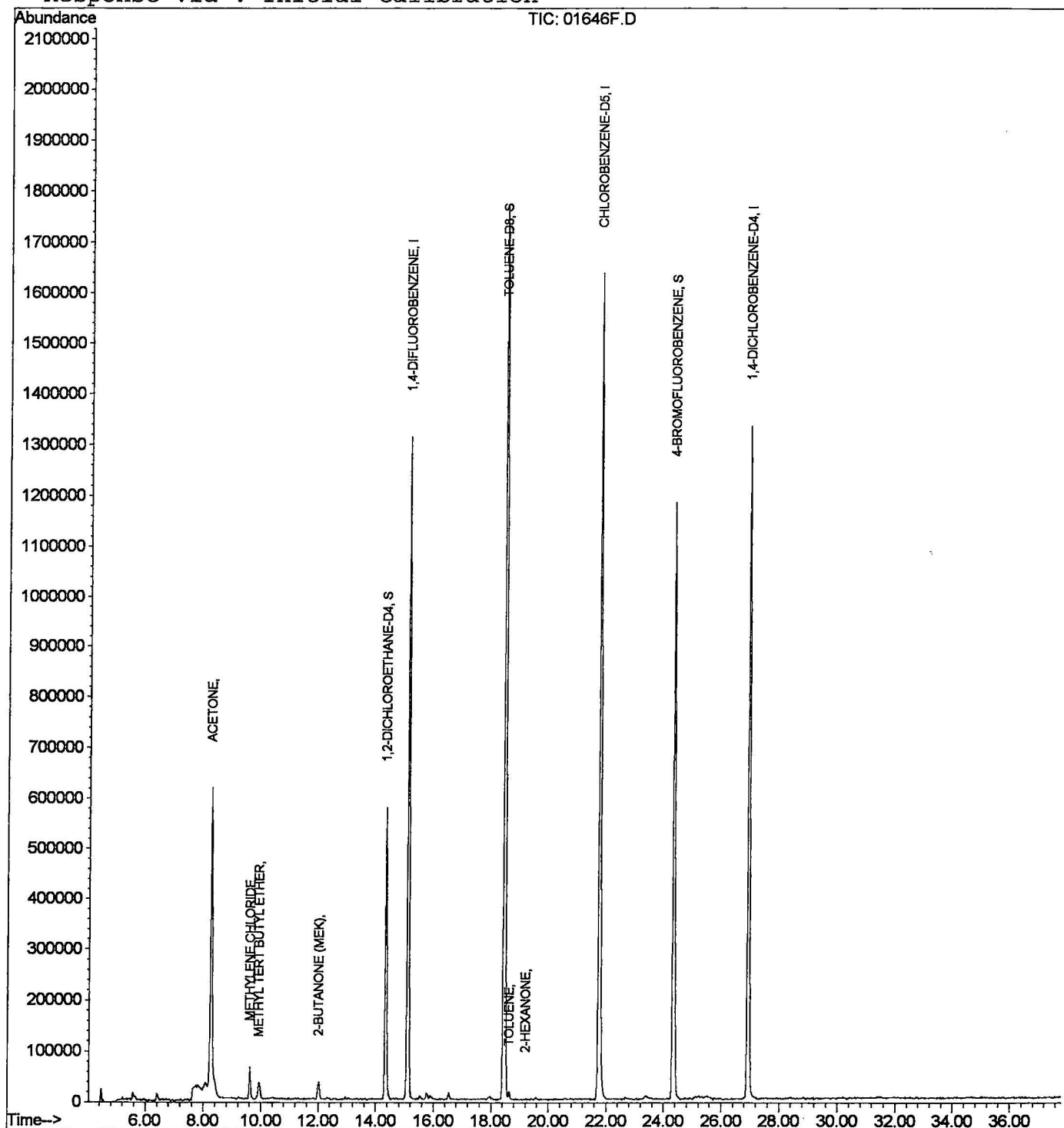
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646F.D  
Acq On : 2 Feb 2002 5:15 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:40 2002

Vial: 27  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646F.D  
 Acq On : 2 Feb 2002 5:15 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

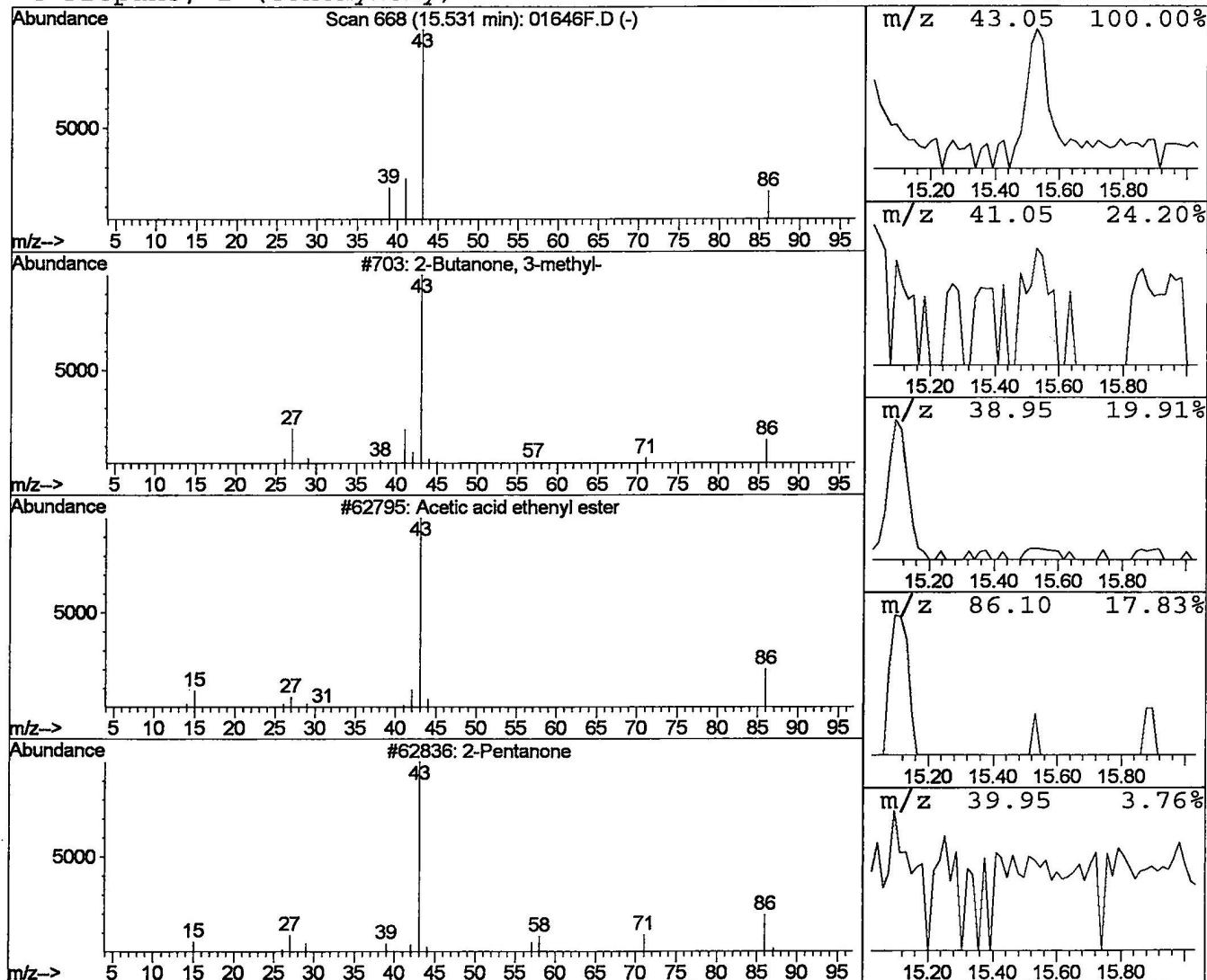
Vial: 27  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.53 | 0.04 ug/L | 41774 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | 2-Butanone, 3-methyl-     | 86 | C5H10O  | 000563-80-4 | 4    |
| 2    |    | Acetic acid ethenyl ester | 86 | C4H6O2  | 000108-05-4 | 4    |
| 3    |    | 2-Pentanone               | 86 | C5H10O  | 000107-87-9 | 4    |
| 4    |    | Propane, 2-(ethenyloxy)-  | 86 | C5H10O  | 000926-65-8 | 4    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646F.D  
 Acq On : 2 Feb 2002 5:15 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

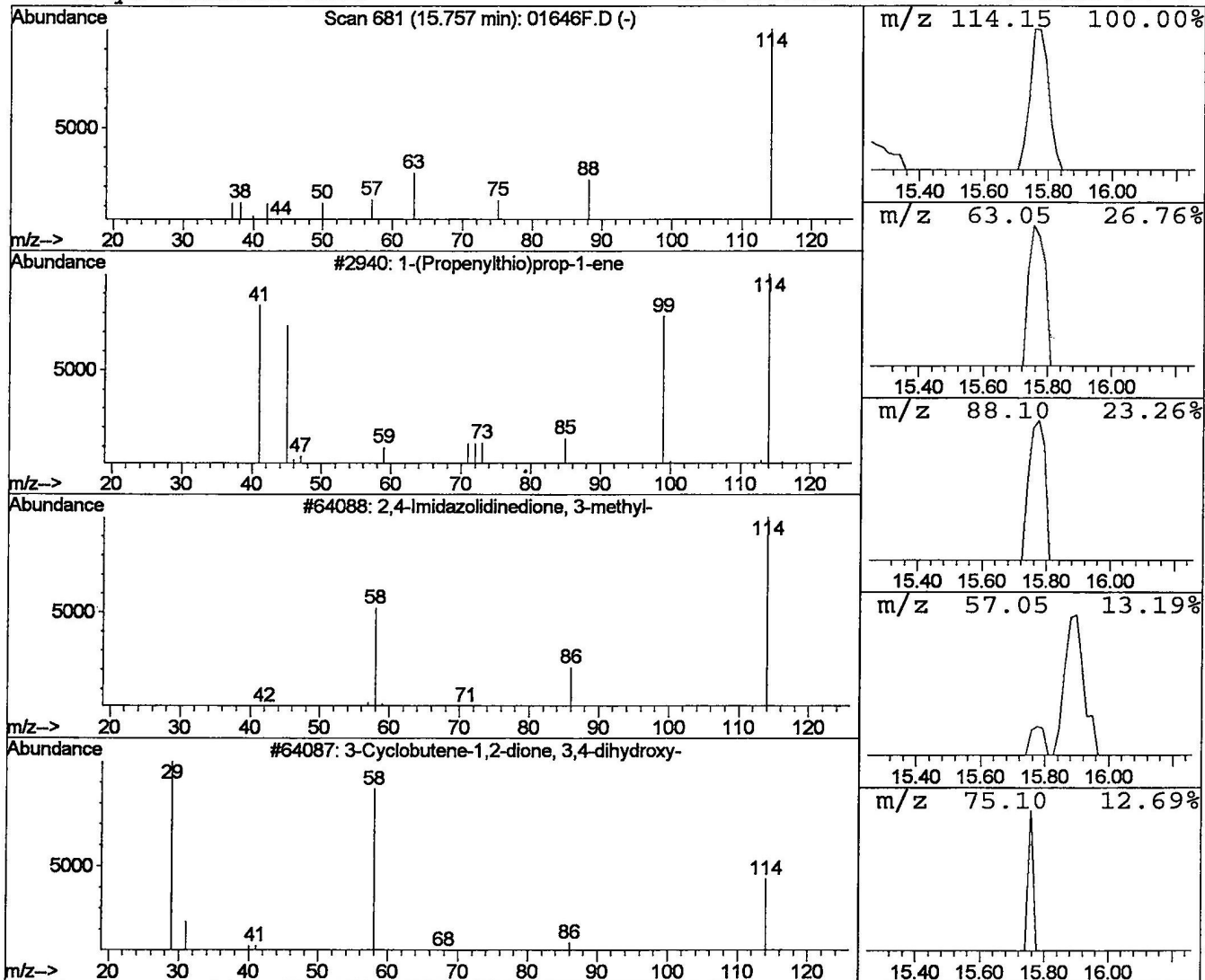
Vial: 27  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 1-(Propenylthio)prop-1-ene Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.76 | 0.05 ug/L | 53400 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 2    |    | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646F.D  
Acq On : 2 Feb 2002 5:15 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

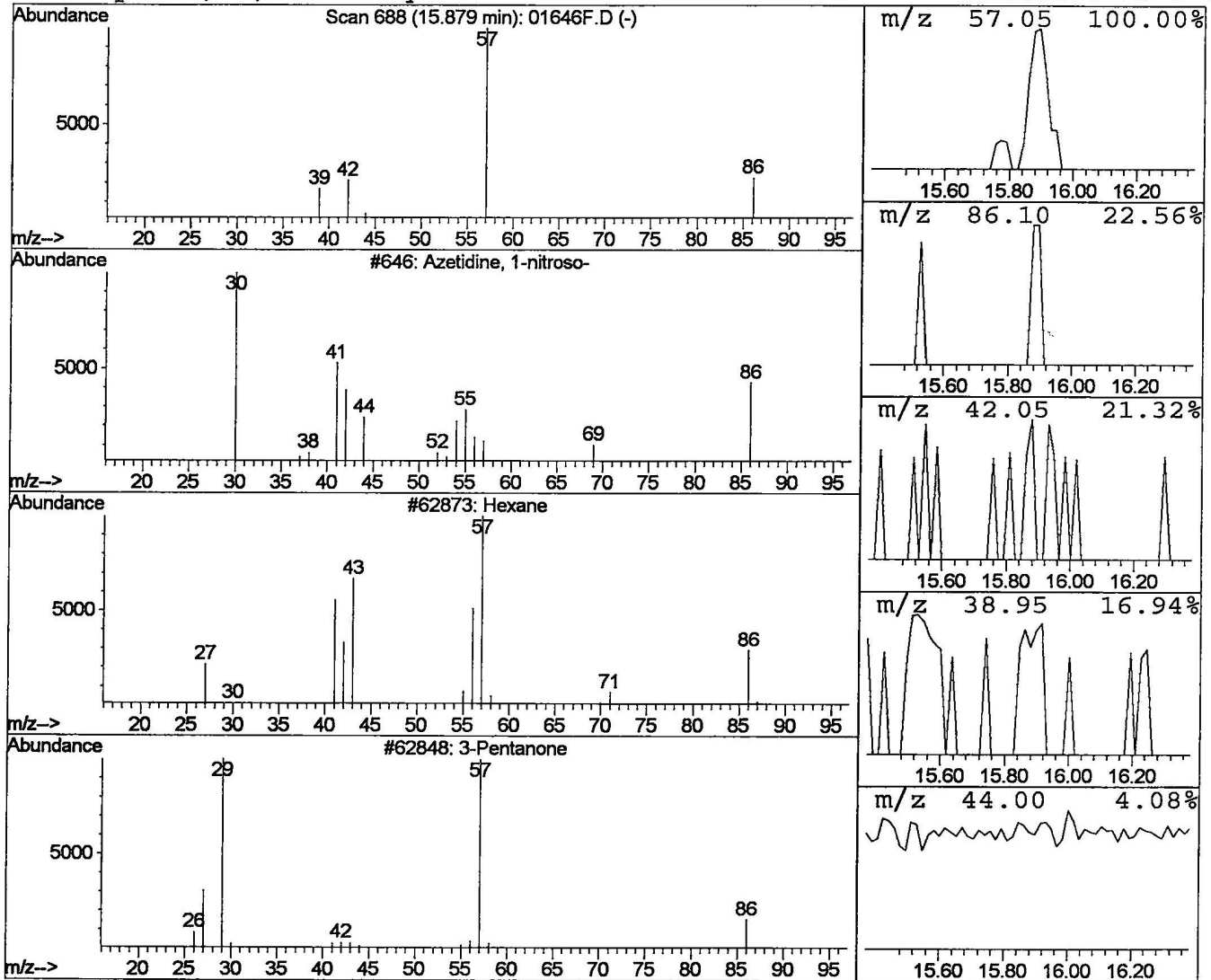
Vial: 27  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Azetidine, 1-nitroso- Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.88 | 0.04 ug/L | 38312 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|---------|---|-------------------------|----|---------|-------------|------|
| 1       |   | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 4    |
| 2       |   | Hexane                  | 86 | C6H14   | 000110-54-3 | 4    |
| 3       |   | 3-Pentanone             | 86 | C5H10O  | 000096-22-0 | 4    |
| 4       |   | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01646F.D  
 Acq On : 2 Feb 2002 5:15 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

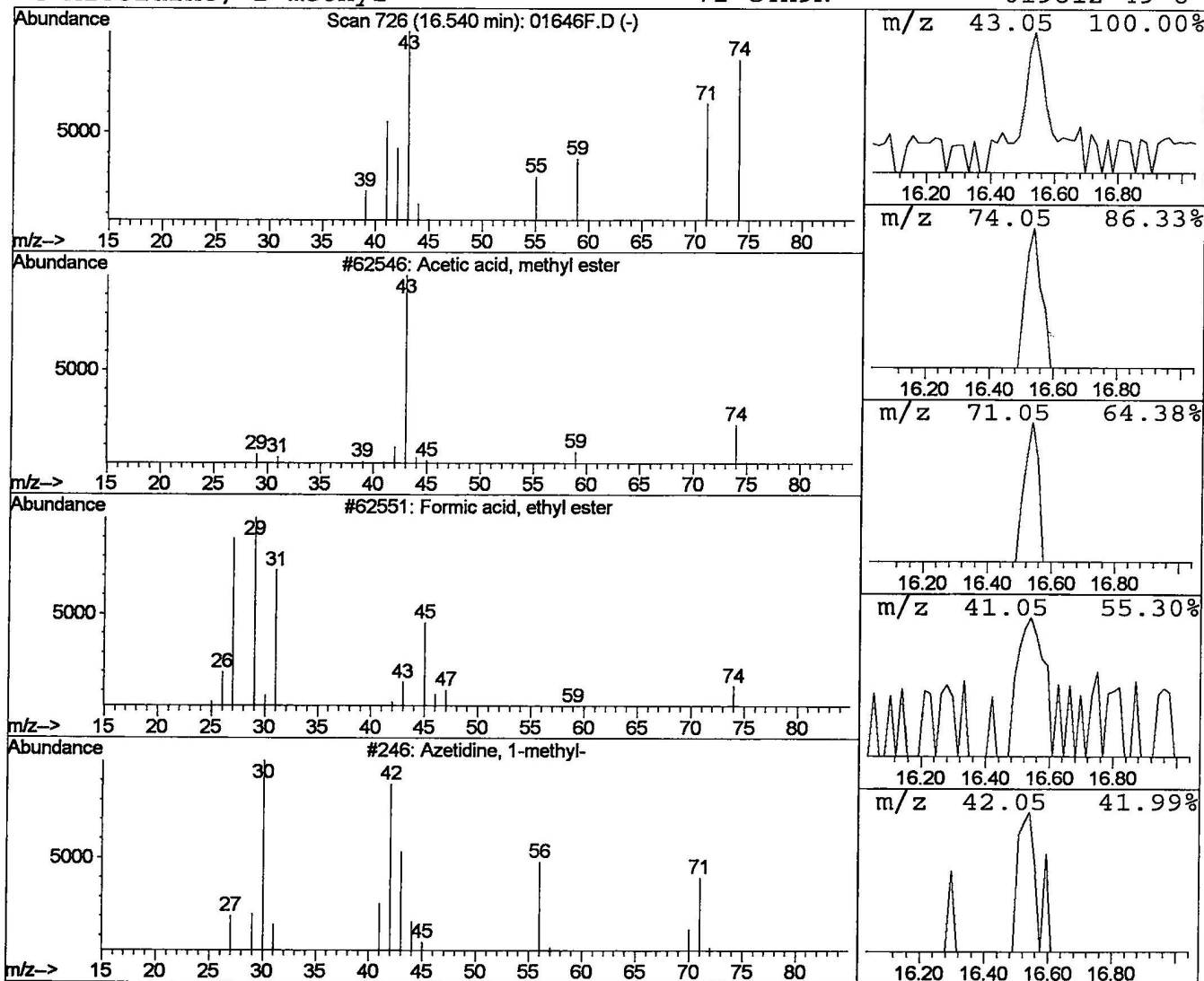
Vial: 27  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Acetic acid, methyl ester Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.54 | 0.05 ug/L | 49860 | 1,4-DIFLUOROBENZENE | 15.11 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | Acetic acid, methyl ester | 74 | C3H6O2  | 000079-20-9 | 9    |
| 2    |    | Formic acid, ethyl ester  | 74 | C3H6O2  | 000109-94-4 | 5    |
| 3    |    | Azetidine, 1-methyl-      | 71 | C4H9N   | 004923-79-9 | 5    |
| 4    |    | Azetidine, 2-methyl-      | 71 | C4H9N   | 019812-49-8 | 4    |



User: Baglioni, Walter  
 Westchester Dept. of Labs & Research  
 Date: 02/04/2002 Time: 11:29:47

Sample: AE01733  
 Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
 Units: ug  
 Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-D      |      | 5.0    |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |      | 4.7    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | Chloroform                     |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr_TOLUENE-D8                |      | 5.1    |           | .5  |
| 21 | 1,1,1-trichloroethane          |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | Bromodichloromethane           |      | < MDL  |           | .5  |
| 29 | Methy iso-butyl ketone (MIBK)  |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | Dibromochloromethane           |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | Bromoform                      |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

Acet 57.76  
 Mech. 0.69  
 MEK 4.73



User: Baglioni, Walter  
Westchester Dept. of Labs & Research  
Date: 02/04/2002 Time: 11:29:47

Sample: AE01733  
Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
Units: ug  
Started: 2/1/02 00:08 Ended: 2/4/02 00:08 Analyst: WB  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | .5  |
| 50 | 2-chlorotoluene        |      | < MDL  |           | .5  |
| 51 | 4-chlorotoluene        |      | < MDL  |           | .5  |
| 52 | TERT-butylbenzene      |      | < MDL  |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | .5  |
| 54 | SEC-butylbenzene       |      | < MDL  |           | .5  |
| 55 | P-isopropyltoluene     |      | < MDL  |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | .5  |
| 58 | N-butylbenzene         |      | < MDL  |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | .5  |
| 61 | Hexachlobutadiene      |      | < MDL  |           | .5  |
| 62 | Naphthalene            |      | < MDL  |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | .5  |

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
 Acq On : 2 Feb 2002 5:58 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P  
 Quant Time: Feb 4 10:41 2002

Vial: 28  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP013102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Fri Feb 01 08:52:45 2002  
 Response via : Initial Calibration  
 DataAcq Meth : HP013102

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) 1,4-DIFLUOROBENZENE      | 15.10 | 114  | 2015034  | 5.00  | ug/L    | -0.02      |
| 24) CHLOROBENZENE-D5        | 21.76 | 117  | 1954712  | 5.00  | ug/L    | 0.00       |
| 52) 1,4-DICHLOROBENZENE-D4  | 26.93 | 152  | 885133   | 5.00  | ug/L    | -0.02      |
| System Monitoring Compounds |       |      |          |       |         |            |
| 2) 1,2-DICHLOROETHANE-D4    | 14.35 | 65   | 873321   | 5.01  | ug/L    | 0.00       |
| Spiked Amount 5.000         |       |      | Recovery | =     | 100.20% |            |
| 3) 4-BROMOFLUOROBENZENE     | 24.34 | 174  | 731833   | 4.74  | ug/L    | -0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 94.80%  |            |
| 25) TOLUENE-D8              | 18.46 | 98   | 2480546  | 5.08  | ug/L    | -0.02      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 101.60% |            |
| Target Compounds            |       |      |          |       |         |            |
| 12) ACETONE                 | 8.26  | 43   | 627939   | 57.76 | ug/L    | Qvalue 100 |
| 14) METHYLENE CHLORIDE      | 9.61  | 49   | 65002    | 0.69  | ug/L    | 92         |
| 18) 2-BUTANONE (MEK)        | 12.01 | 43   | 120983   | 4.73  | ug/L    | 96         |

-----  
 (#) = qualifier out of range (m) = manual integration  
 01733F.D HP013102.M Mon Feb 04 10:42:15 2002

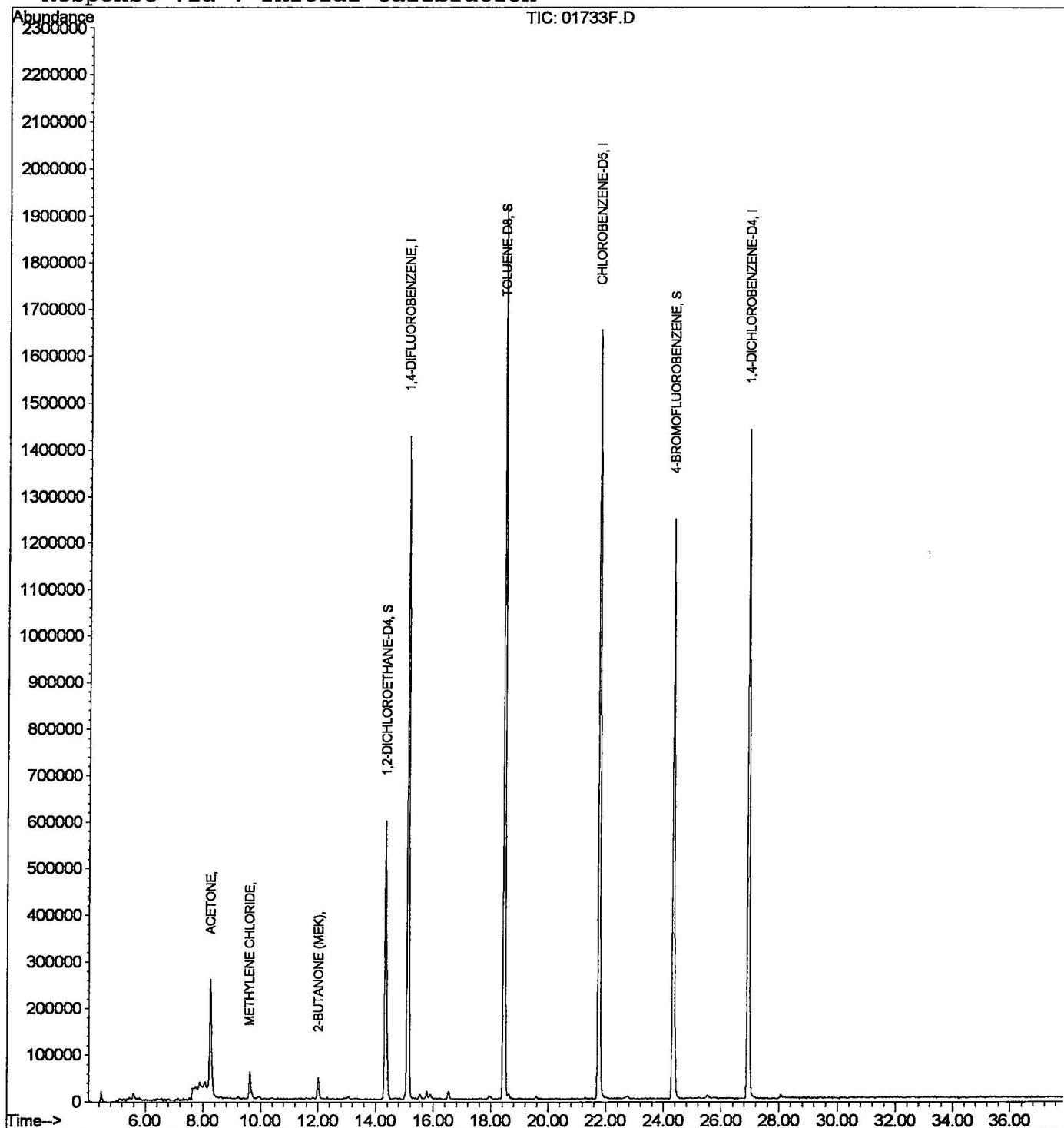
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
Acq On : 2 Feb 2002 5:58 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P  
Quant Time: Feb 4 10:41 2002

Vial: 28  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP013102.RES

Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Fri Feb 01 13:18:32 2002  
Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
Acq On : 2 Feb 2002 5:58 am  
Sample : nyc fb  
Misc : February 1, 2002  
MS Integration Params: LSCINT.P

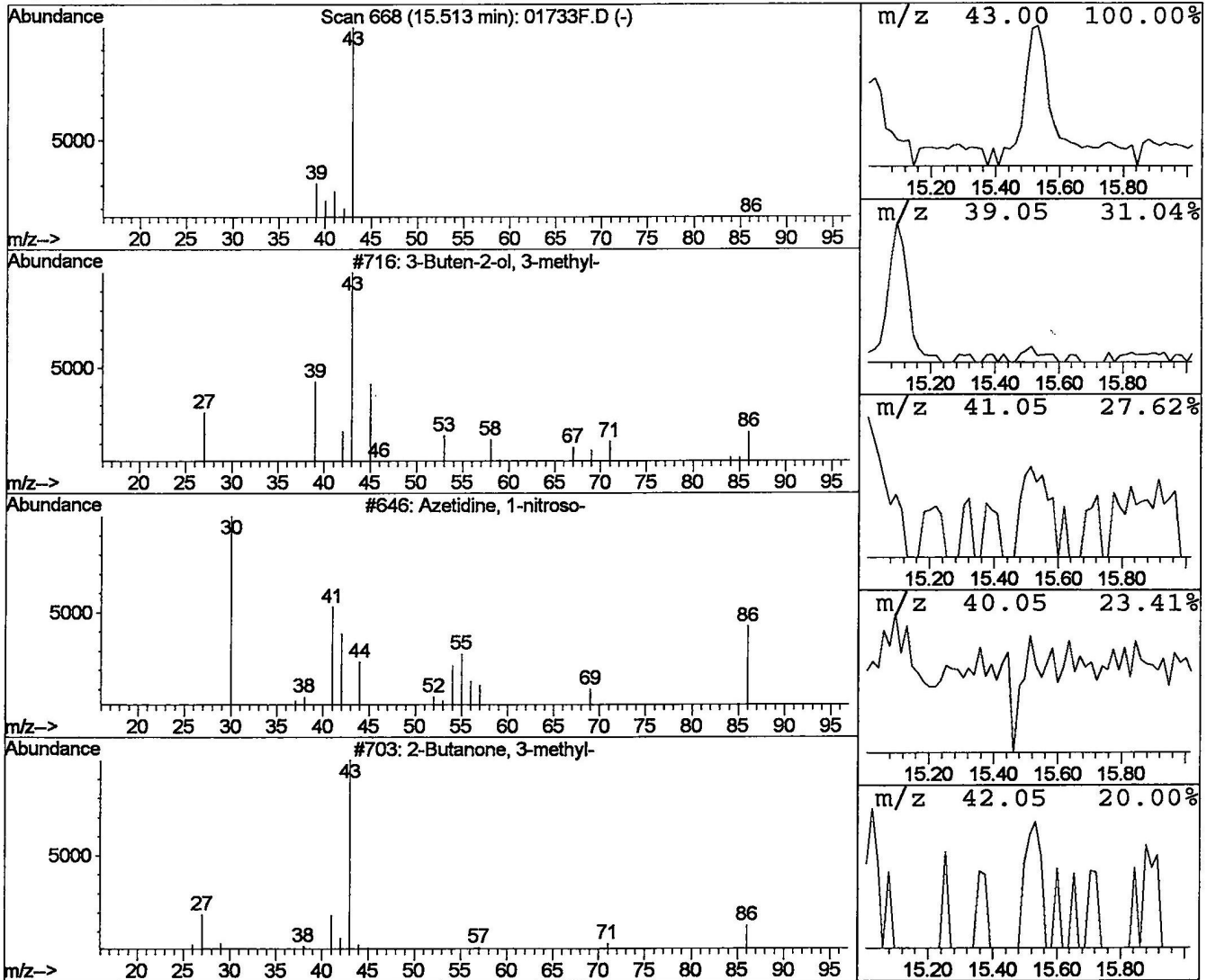
Vial: 28  
Operator: 201-wb  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 1 3-Buten-2-ol, 3-methyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.51 | 0.05 ug/L | 51175 | 1,4-DIFLUOROBENZENE | 15.10 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Buten-2-ol, 3-methyl- | 86 | C5H10O  | 010473-14-0 | 7    |
| 2    |    |   | Azetidine, 1-nitroso-   | 86 | C3H6N2O | 015216-10-1 | 5    |
| 3    |    |   | 2-Butanone, 3-methyl-   | 86 | C5H10O  | 000563-80-4 | 4    |
| 4    |    |   | 2-Pentanone             | 86 | C5H10O  | 000107-87-9 | 4    |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
 Acq On : 2 Feb 2002 5:58 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

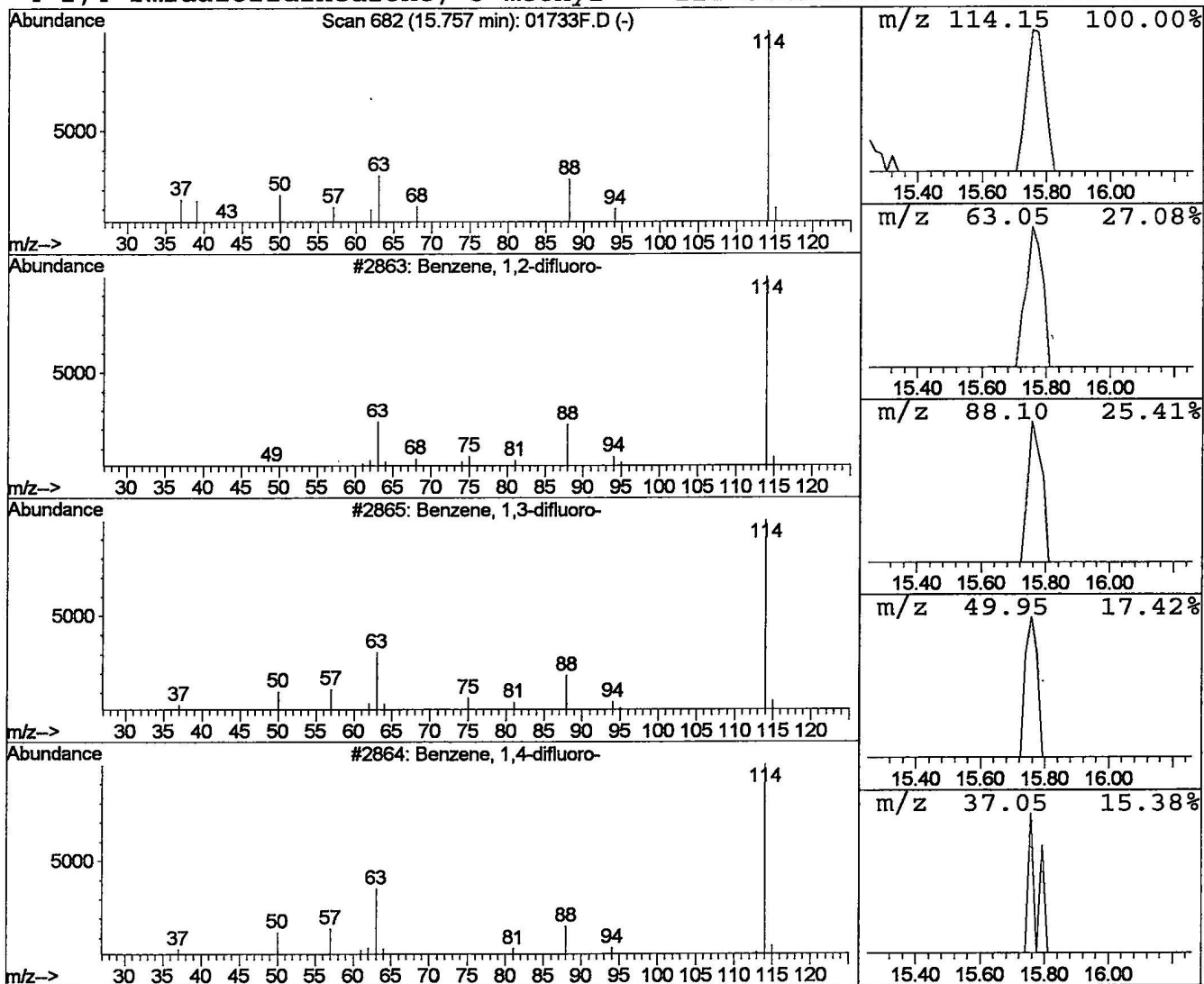
Vial: 28  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 Benzene, 1,2-difluoro- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.76 | 0.06 ug/L | 63635 | 1,4-DIFLUOROBENZENE | 15.10 |

| Hit# | of | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1,2-difluoro-            | 114 | C6H4F2   | 000367-11-3 | 50   |
| 2    |    | Benzene, 1,3-difluoro-            | 114 | C6H4F2   | 000372-18-9 | 47   |
| 3    |    | Benzene, 1,4-difluoro-            | 114 | C6H4F2   | 000540-36-3 | 40   |
| 4    |    | 2,4-Imidazolidinedione, 3-methyl- | 114 | C4H6N2O2 | 006843-45-4 | 7    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
 Acq On : 2 Feb 2002 5:58 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

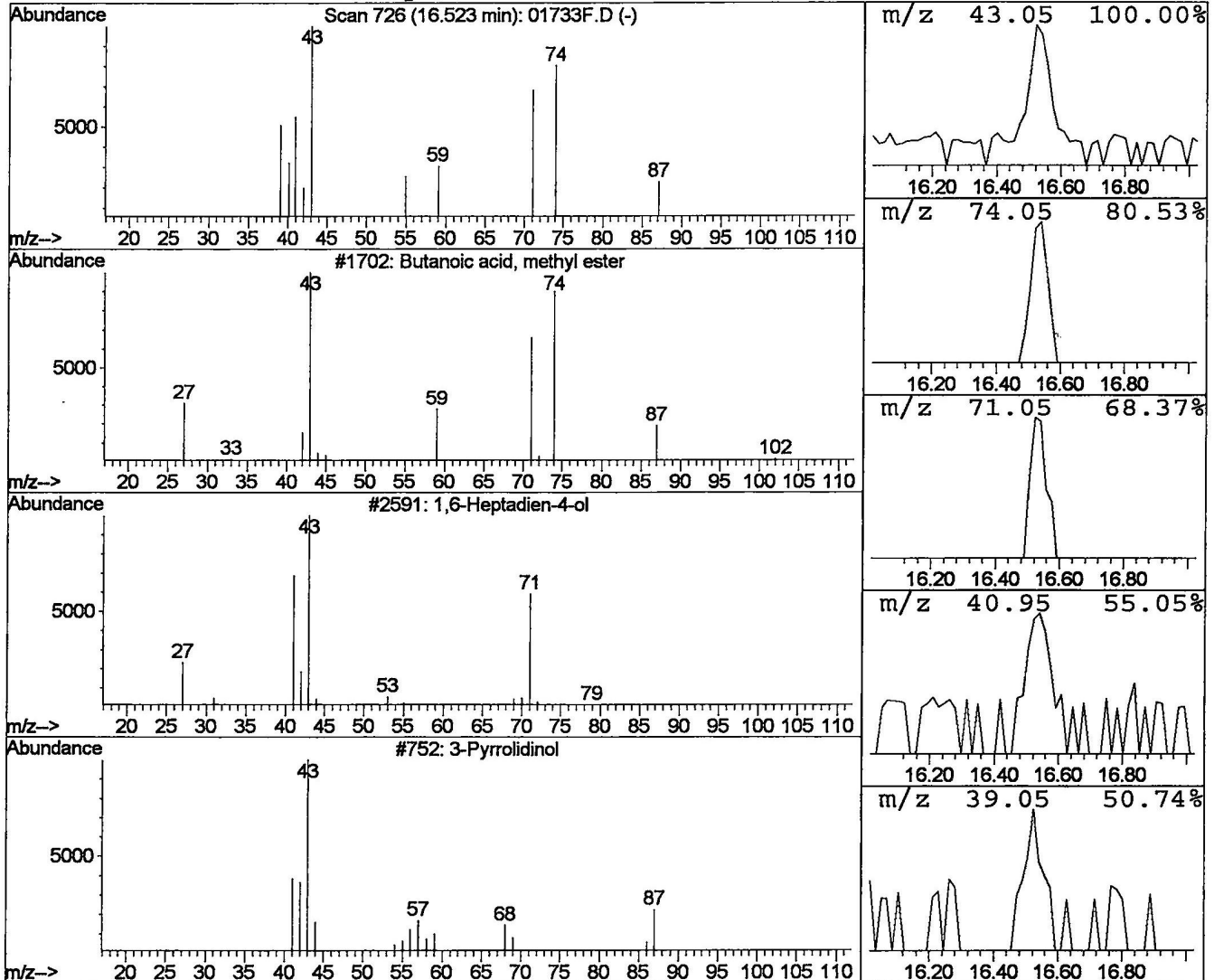
Vial: 28  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Butanoic acid, methyl ester Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 16.52 | 0.08 ug/L | 87878 | 1,4-DIFLUOROBENZENE | 15.10 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, methyl ester | 102 | C5H10O2 | 000623-42-7 | 64   |
| 2    |    | 1,6-Heptadien-4-ol          | 112 | C7H12O  | 002883-45-6 | 9    |
| 3    |    | 3-Pyrrolidinol              | 87  | C4H9NO  | 040499-83-0 | 5    |
| 4    |    | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 5    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
 Acq On : 2 Feb 2002 5:58 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

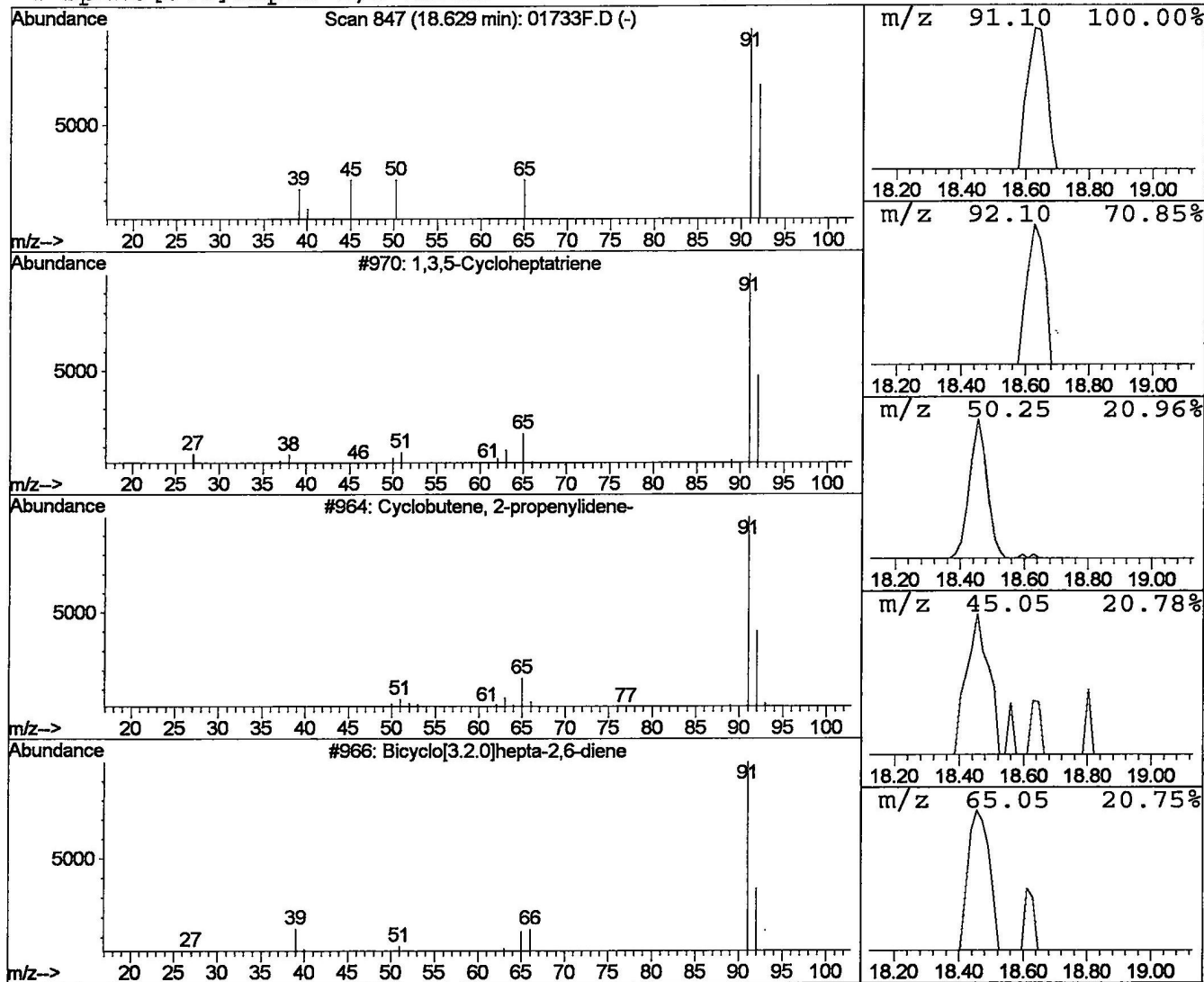
Vial: 28  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 1,3,5-Cycloheptatriene Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD  | R.T.  |
|-------|-----------|-------|-------------------|-------|
| 18.63 | 0.04 ug/L | 52490 | CHLORO BENZENE-D5 | 21.76 |

| Hit# | of | 5 | Tentative ID                  | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|----|---------|-------------|------|
| 1    |    |   | 1,3,5-Cycloheptatriene        | 92 | C7H8    | 000544-25-2 | 7    |
| 2    |    |   | Cyclobutene, 2-propenylidene- | 92 | C7H8    | 052097-85-5 | 4    |
| 3    |    |   | Bicyclo[3.2.0]hepta-2,6-diene | 92 | C7H8    | 002422-86-8 | 4    |
| 4    |    |   | Spiro[3.3]hepta-1,5-diene     | 92 | C7H8    | 022635-78-5 | 2    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB01\01733F.D  
 Acq On : 2 Feb 2002 5:58 am  
 Sample : nyc fb  
 Misc : February 1, 2002  
 MS Integration Params: LSCINT.P

Vial: 28  
 Operator: 201-wb  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP013102.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Furan, 2,5-dihydro- Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 28.06 | 0.04 ug/L | 42980 | 1,4-DICHLOROBENZENE-D4 | 26.93 |

| Hit# | of | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|----------------------|----|---------|-------------|------|
| 1    | 5  | Furan, 2,5-dihydro-  | 70 | C4H6O   | 001708-29-8 | 38   |
| 2    |    | 2-Butenal            | 70 | C4H6O   | 004170-30-3 | 9    |
| 3    |    | Furan, 2,3-dihydro-  | 70 | C4H6O   | 001191-99-7 | 9    |
| 4    |    | 1-Butanol, 2-methyl- | 88 | C5H12O  | 000137-32-6 | 9    |

