

User: Vinci, David L  
 Westchester Dept. of Labs & Research  
 Date: 04/11/2002 Time: 14:08:09

Sample: AE07511  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 4/11/02 14:07 Ended: 4/11/02 14:07 Analyst: DLV  
 Page: 1

|   | Component Name          | Viol | Result | Qualifier | MDL |
|---|-------------------------|------|--------|-----------|-----|
| 1 | Other unknown compounds |      | .      |           |     |
| 2 | Surr_2,4-DDD            |      | 91     |           | 5.0 |

**Comments for Sample AE07511 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-11-2002 Time: 14:08:19

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020404\07511.D

Vial: 7

Acq On : 4 Apr 2002 12:34 pm

Operator: Nefliu

Sample : sample

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: Apr 05 14:22:11 2002

Quant Results File: SCAN020403.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Fri Apr 05 14:03:06 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev (Min) |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 10.66 | 152  | 2848102  | 20.00 | ug/l   | 0.00      |
| 10) Naphthalene-d8          | 15.77 | 136  | 10406407 | 20.00 | ug/l   | 0.00      |
| 17) Acenaphthene-d10        | 23.66 | 164  | 6020726  | 20.00 | ug/l   | -0.01     |
| 31) Phenanthrene-d10        | 30.90 | 188  | 9888955  | 20.00 | ug/l   | 0.00      |
| 39) Chrysene-d12            | 39.10 | 240  | 7759598  | 20.00 | ug/l   | -0.01     |
| 45) Perylene-d12            | 42.30 | 264  | 4360468  | 20.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 28) TCMX                    | 26.73 | 207  | 215322   | 3.65  | ug/l   | 0.00      |
| Spiked Amount               | 4.000 |      | Recovery | =     | 91.25% |           |

Target Compounds

Qvalue

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020404\07511.D

Acq On : 4 Apr 2002 12:34 pm

Sample : sample

Misc :

MS Integration Params: EVENTS.E

Quant Time: Apr 5 14:22 2002

Vial: 7

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

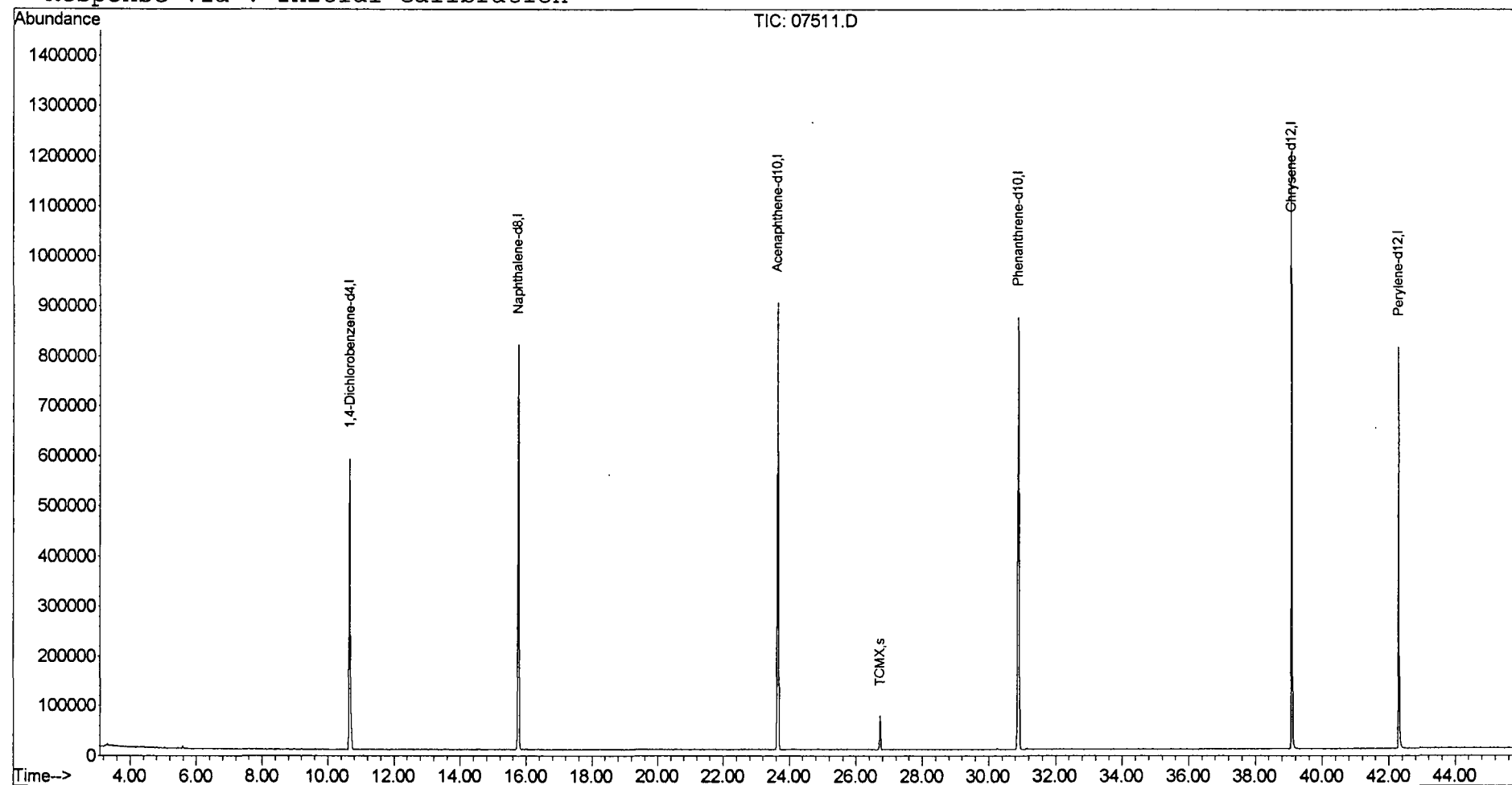
Quant Results File: SCAN020403.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Fri Apr 05 14:03:06 2002

Response via : Initial Calibration



## LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020404\07511.D

Acq On : 4 Apr 2002 12:34 pm

Sample : sample

Misc :

MS Integration Params: LSCINT.e

Vial: 7

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

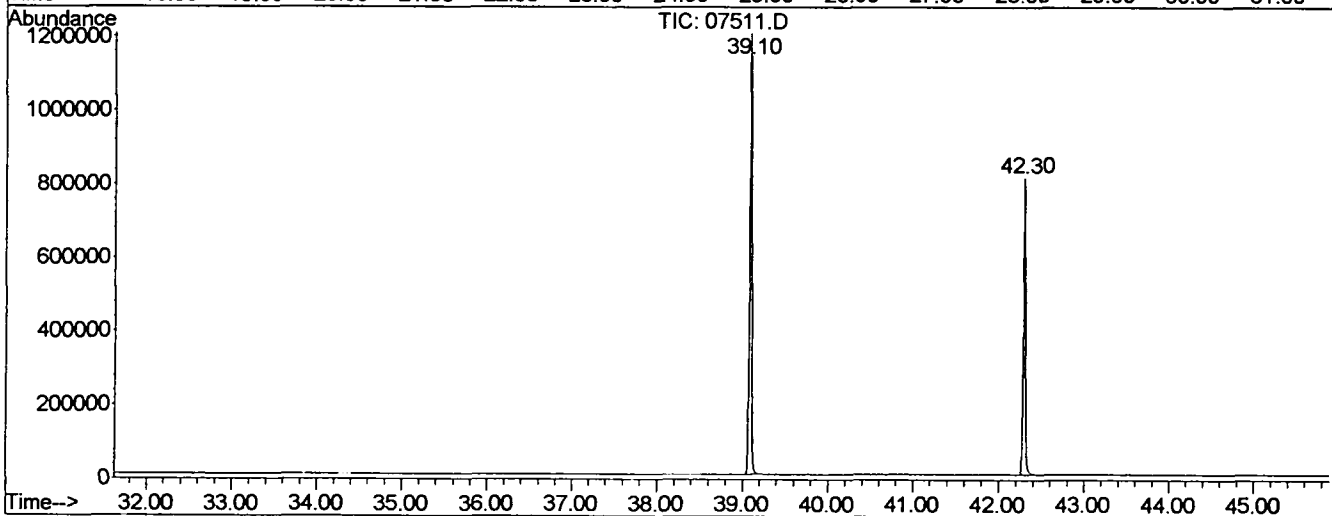
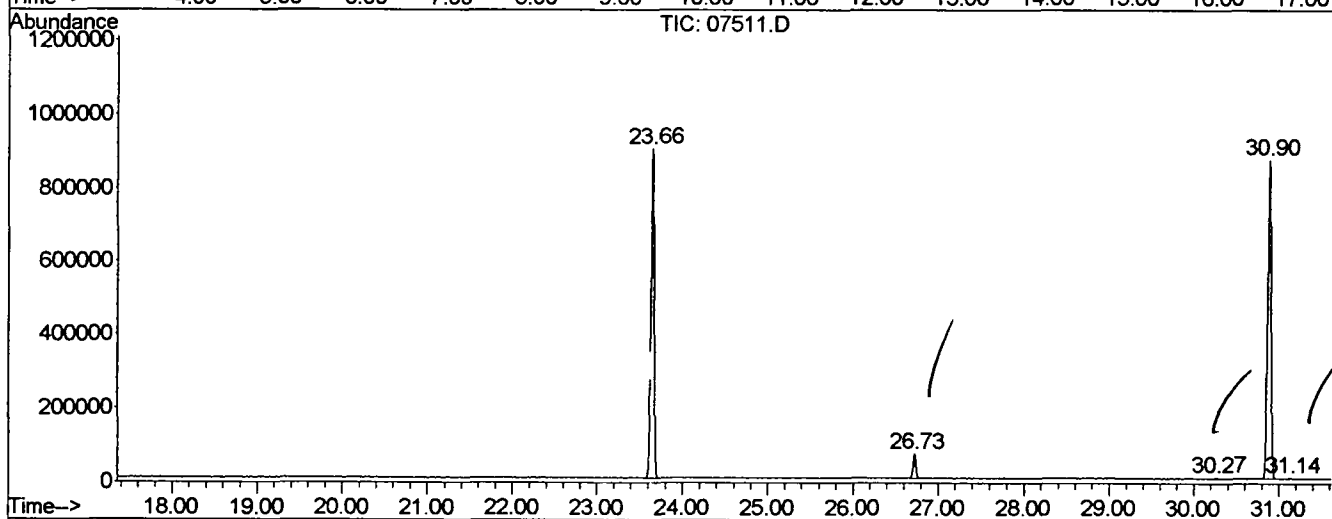
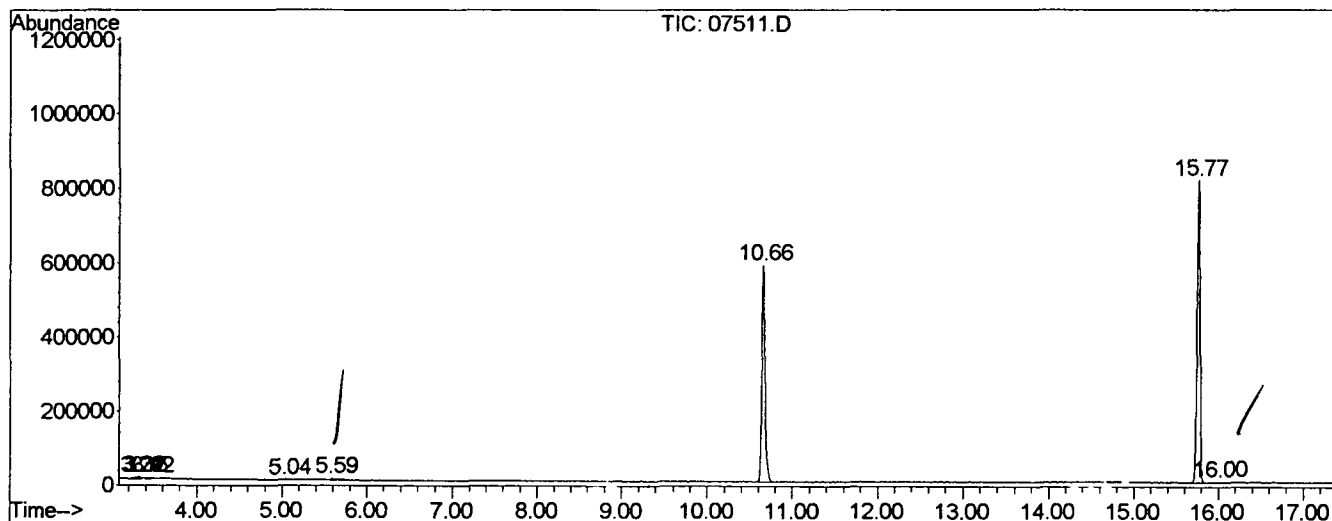
Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.290       | 19            | 36          | 38           | PV 4     | 3668           | 133991        | 0.55%           | 0.112%        |
| 2         | 3.320       | 38            | 41          | 44           | VV 4     | 5792           | 104523        | 0.43%           | 0.087%        |
| 3         | 3.349       | 44            | 46          | 48           | VV 3     | 3441           | 40099         | 0.17%           | 0.033%        |
| 4         | 3.426       | 53            | 59          | 67           | VV 5     | 3842           | 140029        | 0.58%           | 0.117%        |
| 5         | 5.035       | 328           | 333         | 338          | PV 2     | 1553           | 26925         | 0.11%           | 0.022%        |
| 6         | 5.588       | 423           | 427         | 436          | BV 3     | 4425           | 90358         | 0.37%           | 0.075%        |
| 7         | 10.658      | 1280          | 1290        | 1312         | PV       | 584057         | 14792054      | 61.07%          | 12.352%       |
| 8         | 15.770      | 2142          | 2160        | 2179         | VV       | 804576         | 19610376      | 80.97%          | 16.375%       |
| 9         | 15.999      | 2189          | 2199        | 2203         | PV 2     | 1639           | 35275         | 0.15%           | 0.029%        |
| 10        | 23.661      | 3484          | 3503        | 3523         | PV       | 893079         | 23238920      | 95.95%          | 19.405%       |
| 11        | 26.728      | 4015          | 4025        | 4033         | VV 2     | 65745          | 1482653       | 6.12%           | 1.238%        |
| 12        | 30.271      | 4620          | 4628        | 4638         | PV 2     | 2669           | 84682         | 0.35%           | 0.071%        |
| 13        | 30.900      | 4714          | 4735        | 4759         | BV 2     | 861717         | 24220374      | 100.00%         | 20.225%       |
| 14        | 31.141      | 4759          | 4776        | 4785         | PV 2     | 2605           | 88970         | 0.37%           | 0.074%        |
| 15        | 39.096      | 6116          | 6130        | 6148         | PV       | 1171890        | 21502636      | 88.78%          | 17.956%       |
| 16        | 42.304      | 6667          | 6676        | 6708         | VV       | 783124         | 14162647      | 58.47%          | 11.826%       |

Sum of corrected areas: 119754511

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020404\07511.D  
 Operator : Nefliu  
 Acquired : 4 Apr 2002 12:34 pm using AcqMethod 508SCAN1  
 Instrument : Instrumen  
 Sample Name: sample  
 Misc Info :  
 Vial Number: 7  
 Quant File :SCAN020403.RES (Chemstation Integrator)



## Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07511.D

Acq On : 4 Apr 2002 12:34 pm

Sample : sample

Misc :

MS Integration Params: LSCINT.e

Vial: 7

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

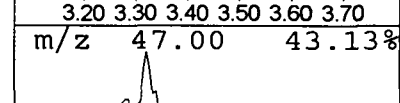
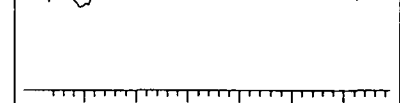
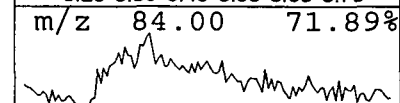
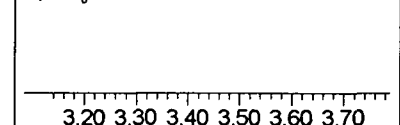
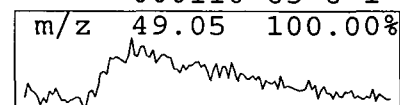
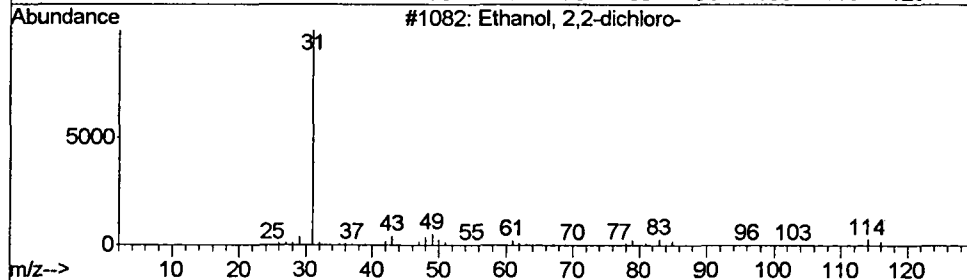
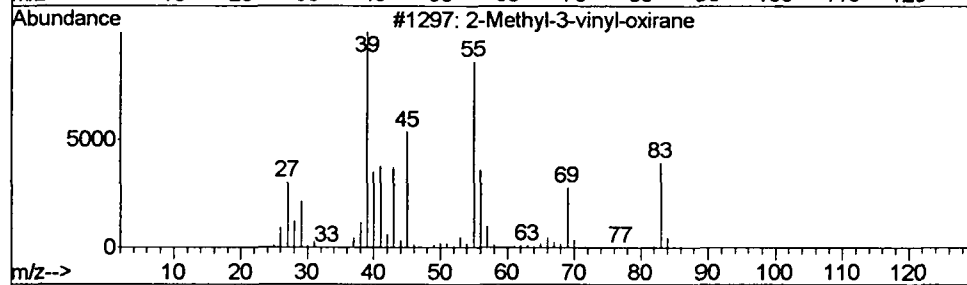
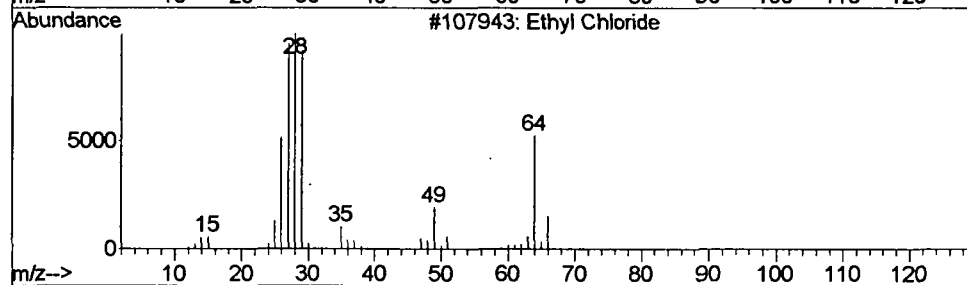
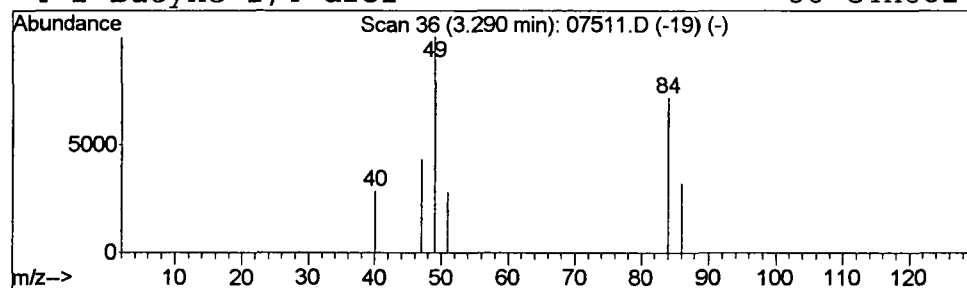
Title : Method 508 GC/MS Scan

Library : C:\DATABASE\nist98.1

\*\*\*\*\*  
Peak Number 1 Ethyl Chloride Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 3.29 | 0.18 ug/l | 133991 | 1,4-Dichlorobenzene-d4 | 10.66 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethyl Chloride           | 64  | C2H5Cl   | 000075-00-3 | 1    |
| 2    |    |   | 2-Methyl-3-vinyl-oxirane | 84  | C5H8O    | 006790-37-0 | 1    |
| 3    |    |   | Ethanol, 2,2-dichloro-   | 114 | C2H4Cl2O | 000598-38-9 | 1    |
| 4    |    |   | 2-Butyne-1,4-diol        | 86  | C4H6O2   | 000110-65-6 | 1    |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07511.D  
 Acq On : 4 Apr 2002 12:34 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: LSCINT.e

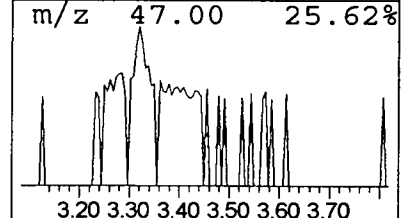
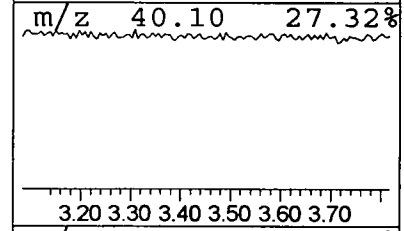
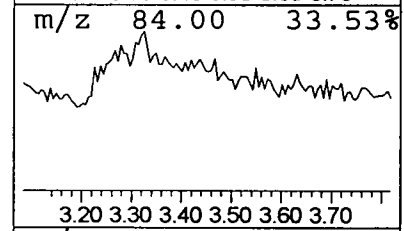
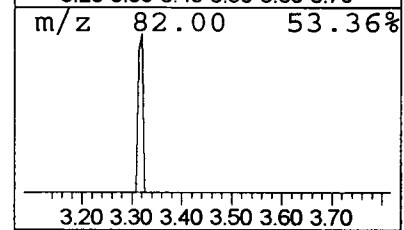
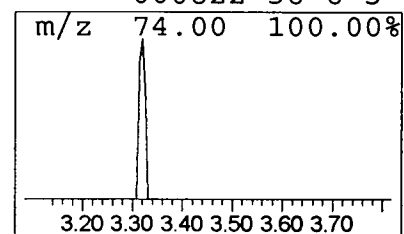
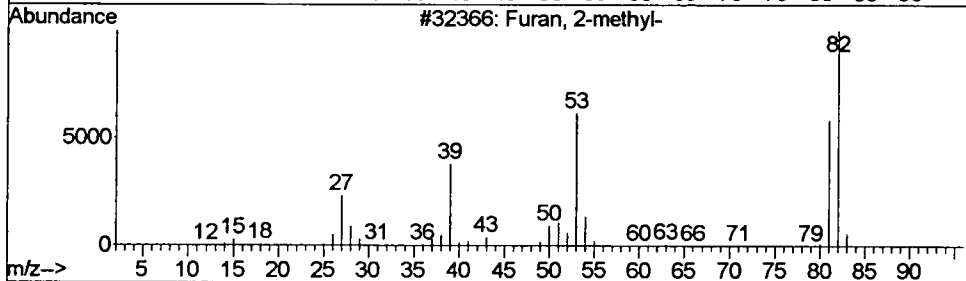
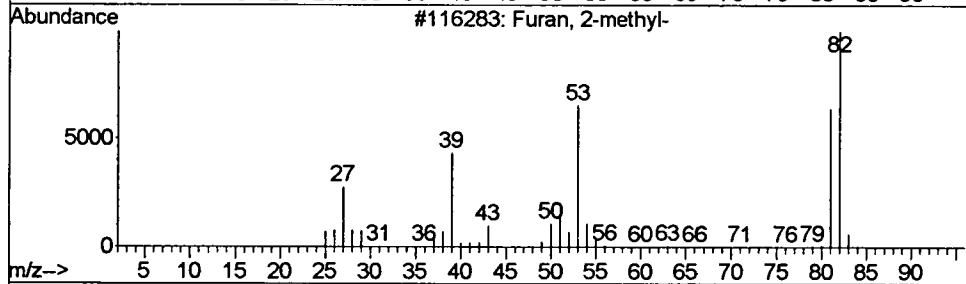
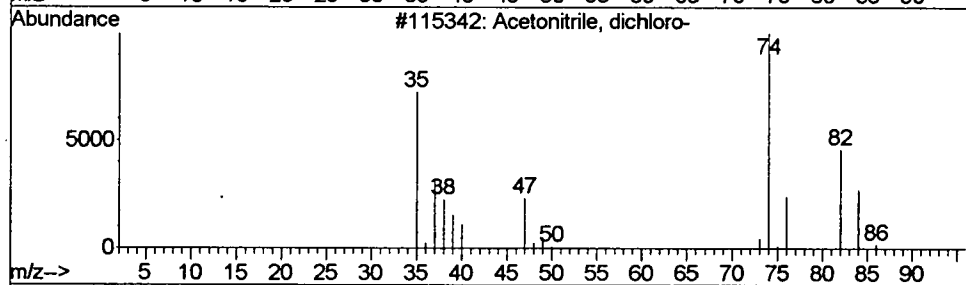
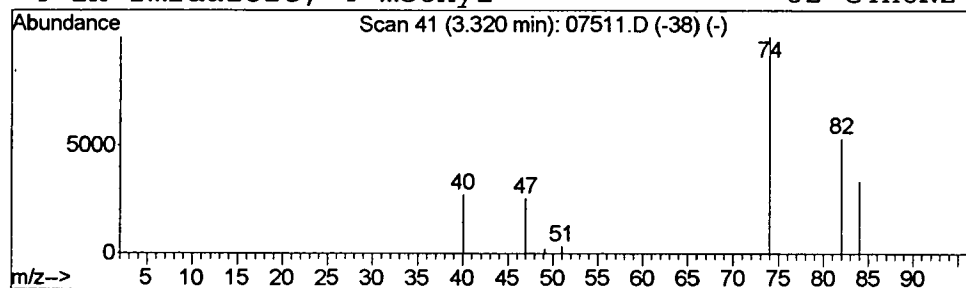
Vial: 7  
 Operator: Nefliu  
 Inst : Instrumen  
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
 Title : Method 508 GC/MS Scan  
 Library : C:\DATABASE\nist98.1

\*\*\*\*\*  
 Peak Number 2 Acetonitrile, dichloro- Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 3.32 | 0.14 ug/l | 104523 | 1,4-Dichlorobenzene-d4 | 10.66 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Acetonitrile, dichloro- | 109 | C2HCl2N | 003018-12-0 | 64   |
| 2       |   | Furan, 2-methyl-        | 82  | C5H6O   | 000534-22-5 | 4    |
| 3       |   | Furan, 2-methyl-        | 82  | C5H6O   | 000534-22-5 | 4    |
| 4       |   | 1H-Imidazole, 4-methyl- | 82  | C4H6N2  | 000822-36-6 | 3    |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07511.D

Acq On : 4 Apr 2002 12:34 pm

Sample : sample

Misc :

MS Integration Params: LSCINT.e

Vial: 7

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

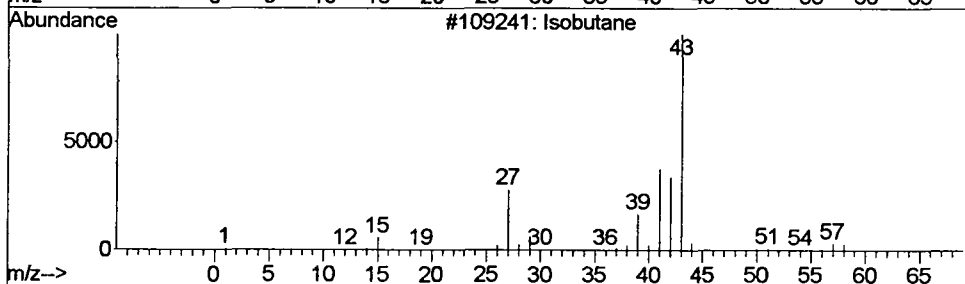
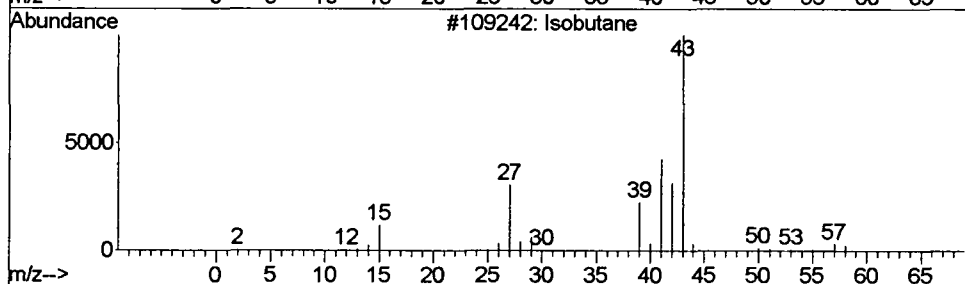
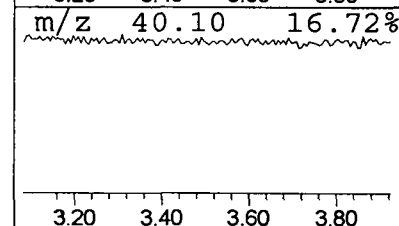
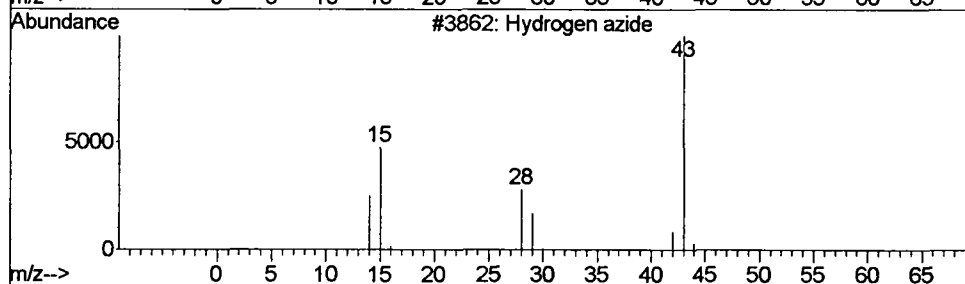
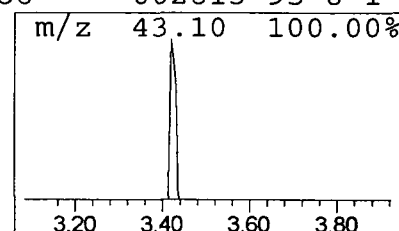
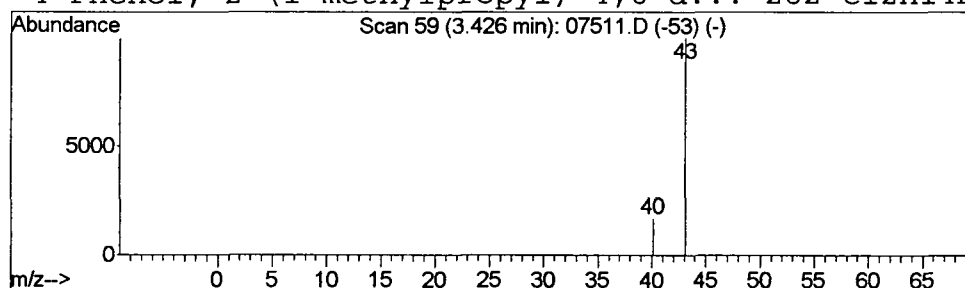
Title : Method 508 GC/MS Scan

Library : C:\DATABASE\nist98.1

\*\*\*\*\*  
Peak Number 3 Hydrogen azide Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 3.42 | 0.19 ug/l | 140029 | 1,4-Dichlorobenzene-d4 | 10.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Hydrogen azide                      | 43  | HN3        | 007782-79-8 | 1    |
| 2    |    | Isobutane                           | 58  | C4H10      | 000075-28-5 | 1    |
| 3    |    | Isobutane                           | 58  | C4H10      | 000075-28-5 | 1    |
| 4    |    | Phenol, 2-(1-methylpropyl)-4,6-d... | 282 | C12H14N2O6 | 002813-95-8 | 1    |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07511.D  
 Acq On : 4 Apr 2002 12:34 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: LSCINT.e

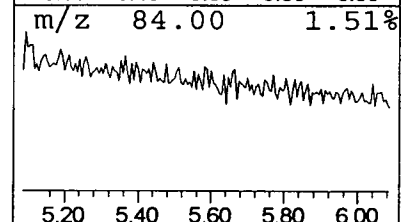
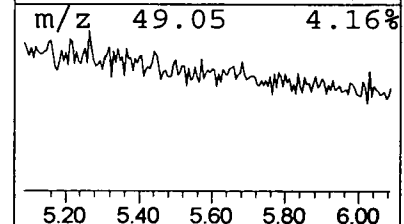
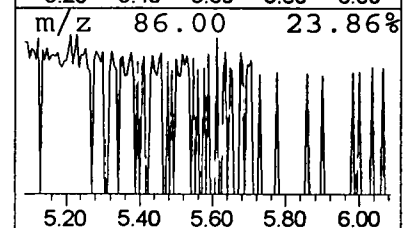
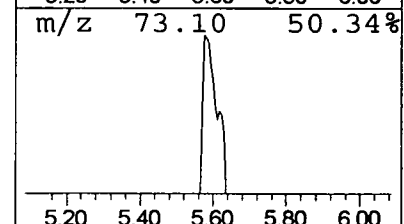
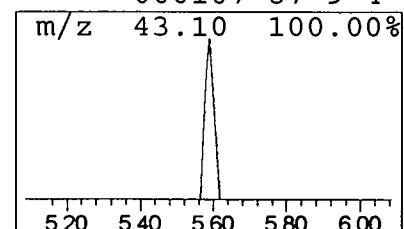
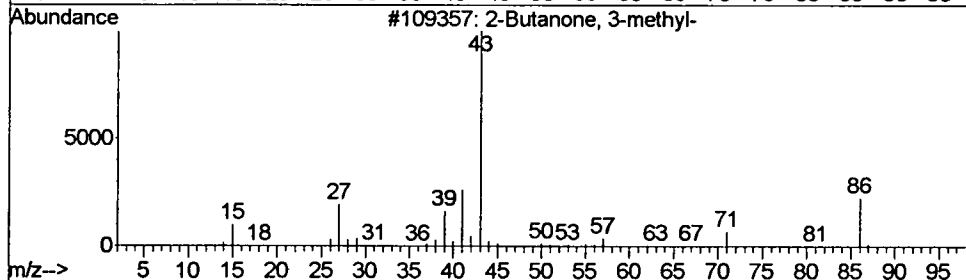
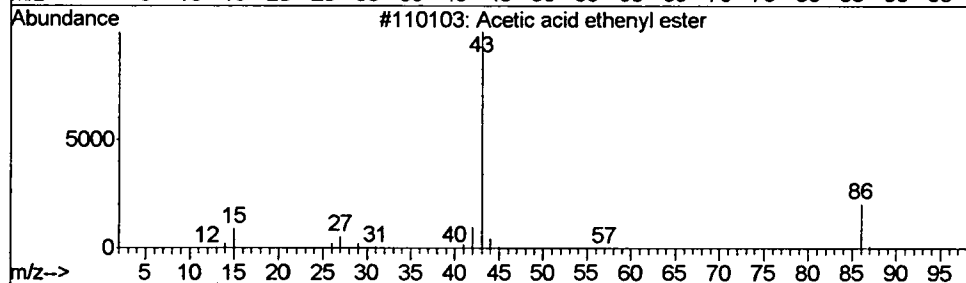
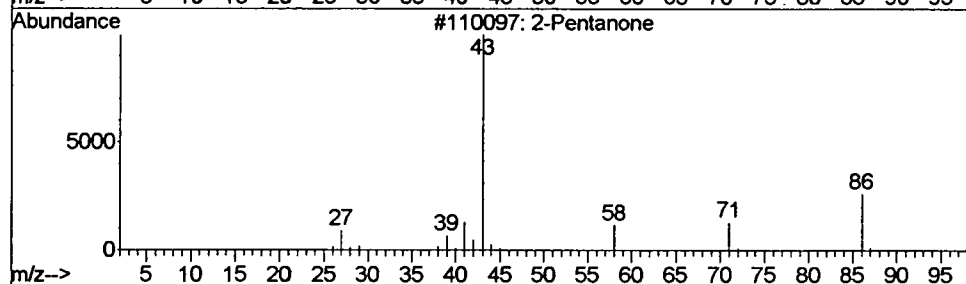
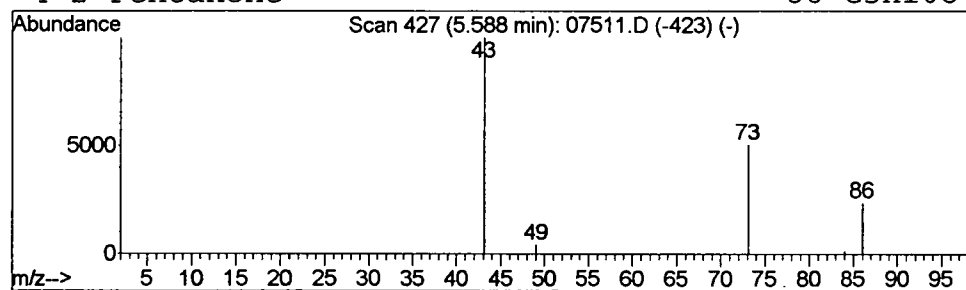
Vial: 7  
 Operator: Nefliu  
 Inst : Instrumen  
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
 Title : Method 508 GC/MS Scan  
 Library : C:\DATABASE\nist98.1

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

| R.T. | EstConc   | Area  | Relative to ISTD       | R.T.  |
|------|-----------|-------|------------------------|-------|
| 5.59 | 0.12 ug/l | 90358 | 1,4-Dichlorobenzene-d4 | 10.66 |

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



# Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu      Date Acquired: 4 Apr 2002 12:34 pm  
 Data File: C:\MSDCHEM\1\DATA\020404\07511.D  
 Name: sample  
 Misc:  
 Method: C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
 Title: Method 508 GC/MS Scan  
 Library Searched: C:\DATABASE\nist98.1

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |       |          |      |
|----------------------|------|---------|-------|----------|-----------------------|-------|----------|------|
|                      |      |         |       |          | #                     | RT    | Resp     | Conc |
| Ethyl Chloride       | 3.29 | 0.2     | ug/l  | 133991   | 1                     | 10.66 | 14792100 | 20.0 |
| Acetonitrile, dic... | 3.32 | 0.1     | ug/l  | 104523   | 1                     | 10.66 | 14792100 | 20.0 |
| Hydrogen azide       | 3.42 | 0.2     | ug/l  | 140029   | 1                     | 10.66 | 14792100 | 20.0 |
| 2-Pentanone          | 5.59 | 0.1     | ug/l  | 90358    | 1                     | 10.66 | 14792100 | 20.0 |