User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/10/2001 Time: 14:50:24

Sample: AD26681
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/10/01 14:49 Ended: 12/10/01 14:49 Analyst: MG
Page: 1

| | Component Name | Viol | Result |
|---|---|---|---|
| 1 | Other unknown compounds | | see comment |

**Comments for Sample AD26681 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-10-2001 Time: 14:50:29

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D Vial: 2
Acq On : 4 Dec 2001 11:44 am Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 9:50 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.87 | 152 | 1378308 | 20.00 | ng/uL | -0.07 |
| 19) Naphthalene-d8 | 15.48 | 136 | 5151976 | 20.00 | ng/uL | -0.07 |
| 31) Acenaphthene-d10 | 20.75 | 164 | 2306942 | 20.00 | ng/uL | -0.07 |
| 49) Phenanthrene-d10 | 25.17 | 188 | 3261667 | 20.00 | ng/uL | -0.08 |
| 59) Chrysene-d12 | 33.17 | 240 | 2026867 | 20.00 | ng/uL | -0.08 |
| 68) Perylene-d12 | 37.25 | 264 | 1323115 | 20.00 | ng/uL | -0.09 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ng/uL | |
| Spiked Amount 75.000 | Range 18 - 42 | | Recovery = | 0.00%# | | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ng/uL | |
| Spiked Amount 75.000 | Range 19 - 32 | | Recovery = | 0.00%# | | |
| 6) 2-Chlorophenol-d4 | 11.87 | 132 | 1234 | 0.01 | ng/uL | 0.45 |
| Spiked Amount 75.000 | Range 34 - 84 | | Recovery = | 0.01%# | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.23 | 152 | 276 | 0.00 | ng/uL | -0.23 |
| Spiked Amount 50.000 | Range 26 - 73 | | Recovery = | 0.00%# | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ng/uL | |
| Spiked Amount 50.000 | Range 55 - 98 | | Recovery = | 0.00%# | | |
| 32) 2-Fluorobiphenyl | 18.90 | 172 | 2292 | 0.02 | ng/uL | 0.07 |
| Spiked Amount 50.000 | Range 42 - 78 | | Recovery = | 0.04%# | | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng/uL | |
| Spiked Amount 75.000 | Range 45 - 96 | | Recovery = | 0.00%# | | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 | ng/uL | |
| Spiked Amount 50.000 | Range 58 - 98 | | Recovery = | 0.00%# | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitrosodimethylamine | 0.00 | 74 | 0 | N.D. | | |
| 8) Phenol | 0.00 | 94 | 0 | N.D. | | |
| 9) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 10) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. | | |
| 11) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 12) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 13) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 14) 2-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 15) 2,2'-oxybis(1-Chloropropan | 12.87 | 45 | 670 | N.D. | | |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 17) N-Nitrosodi-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 18) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 21) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 22) Isophorone | 0.00 | 82 | 0 | N.D. | | |

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

# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D  Vial: 2
Acq On : 4 Dec 2001 11:44 am  Operator: GALOS
Sample : gc/ms unknown  Inst : GC/MS Ins
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Smoothing : OFF  Filtering: 5
Sampling : 1  Min Area: 1 % of largest Peak
Start Thrs: 0.2  Max Peaks: 100
Stop Thrs : 0  Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

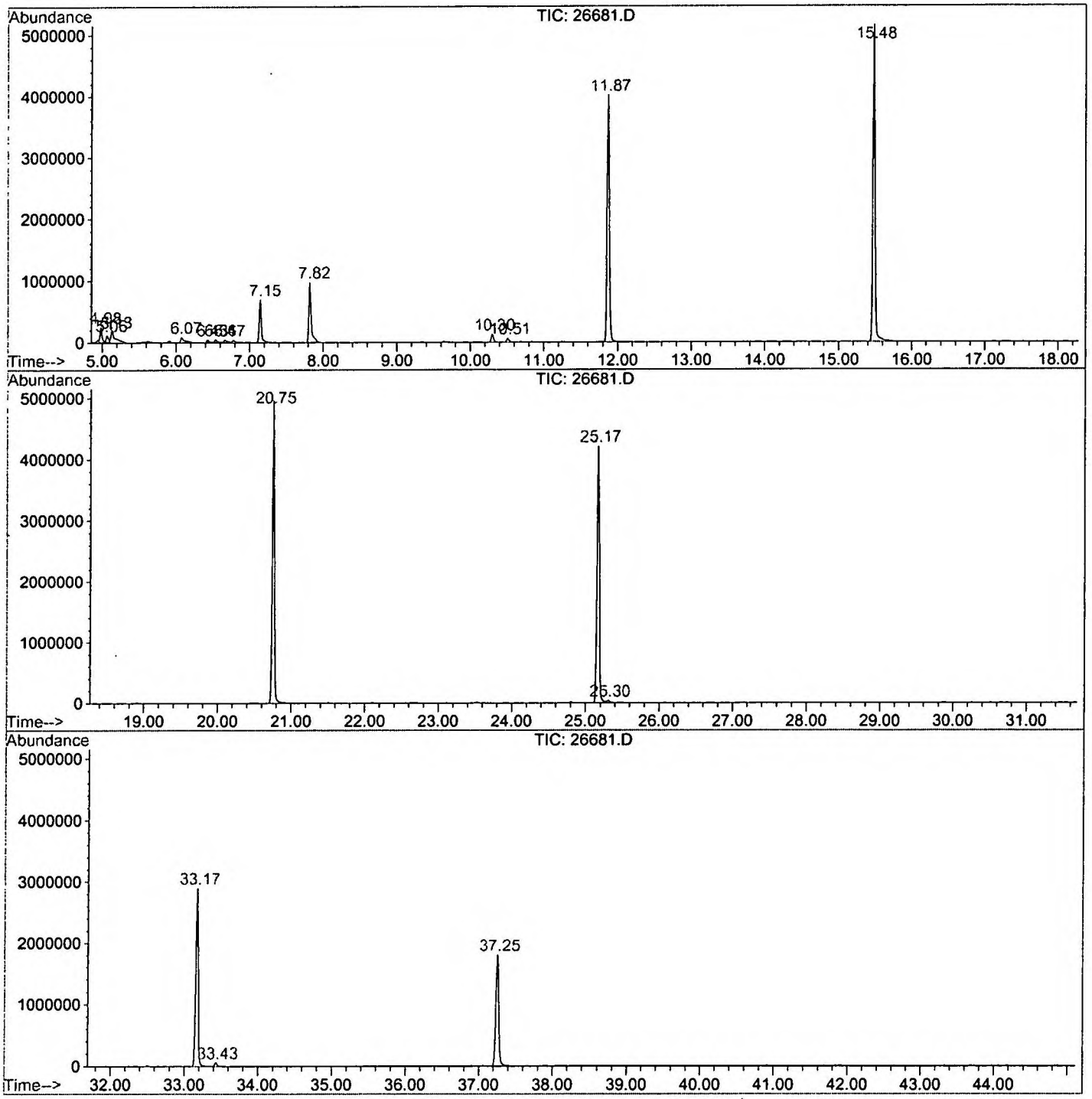
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.982 | 12 | 15 | 21 | rVV | 242963 | 461904 | 4.45% | 0.828% |
| 2 | 5.065 | 21 | 24 | 28 | rVV | 114419 | 256098 | 2.47% | 0.459% |
| 3 | 5.129 | 28 | 31 | 57 | rVB2 | 179846 | 773200 | 7.44% | 1.386% |
| 4 | 6.074 | 130 | 134 | 151 | rBV | 91211 | 341598 | 3.29% | 0.612% |
| 5 | 6.431 | 169 | 173 | 182 | rBV | 43658 | 121835 | 1.17% | 0.218% |
| 6 | 6.541 | 182 | 185 | 195 | rVV | 47269 | 114034 | 1.10% | 0.204% |
| 7 | 6.670 | 195 | 199 | 208 | rVV2 | 39381 | 118279 | 1.14% | 0.212% |
| 8 | 7.146 | 246 | 251 | 268 | rBV | 695806 | 1373007 | 13.22% | 2.461% |
| 9 | 7.816 | 320 | 324 | 343 | rBV | 981661 | 2118468 | 20.40% | 3.797% |
| 10 | 10.301 | 590 | 595 | 604 | rBV | 132913 | 287135 | 2.76% | 0.515% |
| 11 | 10.512 | 613 | 618 | 627 | rBV | 66550 | 141044 | 1.36% | 0.253% |
| 12 | 11.869 | 760 | 766 | 780 | rBV | 4016119 | 8460660 | 81.46% | 15.166% |
| 13 | 15.482 | 1154 | 1160 | 1178 | rBV | 5157319 | 10386638 | 100.00% | 18.618% |
| 14 | 20.755 | 1729 | 1735 | 1756 | rBV | 4958651 | 10131302 | 97.54% | 18.160% |
| 15 | 25.166 | 2209 | 2216 | 2228 | rBV2 | 4214871 | 9126016 | 87.86% | 16.358% |
| 16 | 25.303 | 2228 | 2231 | 2242 | rVB | 37728 | 105186 | 1.01% | 0.189% |
| 17 | 33.171 | 3082 | 3089 | 3106 | rBV2 | 2898405 | 6481746 | 62.40% | 11.618% |
| 18 | 33.428 | 3111 | 3117 | 3128 | rVB | 60551 | 143631 | 1.38% | 0.257% |
| 19 | 37.252 | 3527 | 3534 | 3546 | rBV2 | 1797764 | 4846538 | 46.66% | 8.687% |

Sum of corrected areas: 55788319

26681.D NP112701.M Fri Dec 07 13:12:15 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0401\26681.D
Operator : GALOS
Acquired : 4 Dec 2001 11:44 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 2
Quant File :NP112701.RES (RTE Integrator)




26681.D NP112701.M Fri Dec 07 13:12:17 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D  Vial: 2
Acq On : 4 Dec 2001 11:44 am  Operator: GALOS
Sample : gc/ms unknown  Inst : GC/MS Ins
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

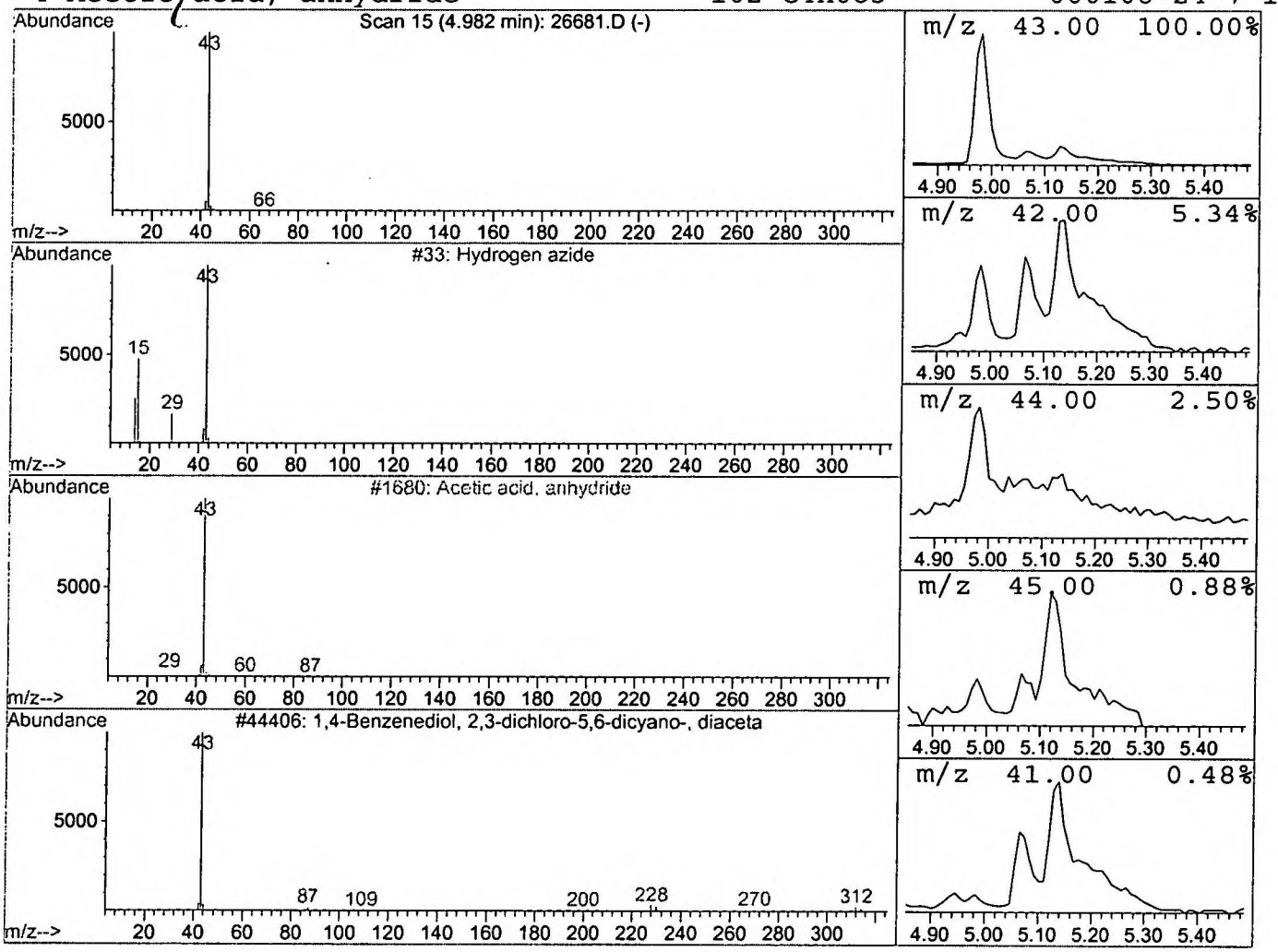
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Hydrogen azide  Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.98 | 1.09 ng/uL | 461904 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hydrogen azide | 43 | HN3 | 007782-79-8 | 1 |
| 2 | Acetic acid, anhydride | 102 | C4H6O3 | 000108-24-7 | 1 |
| 3 | 1,4-Benzenediol, 2,3-dichloro-5,6-d | 312 | C12H6Cl2N2O4 | 000000-00-0 | 1 |
| 4 | Acetic acid, anhydride | 102 | C4H6O3 | 000108-24-7 | 1 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D
Acq On : 4 Dec 2001 11:44 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

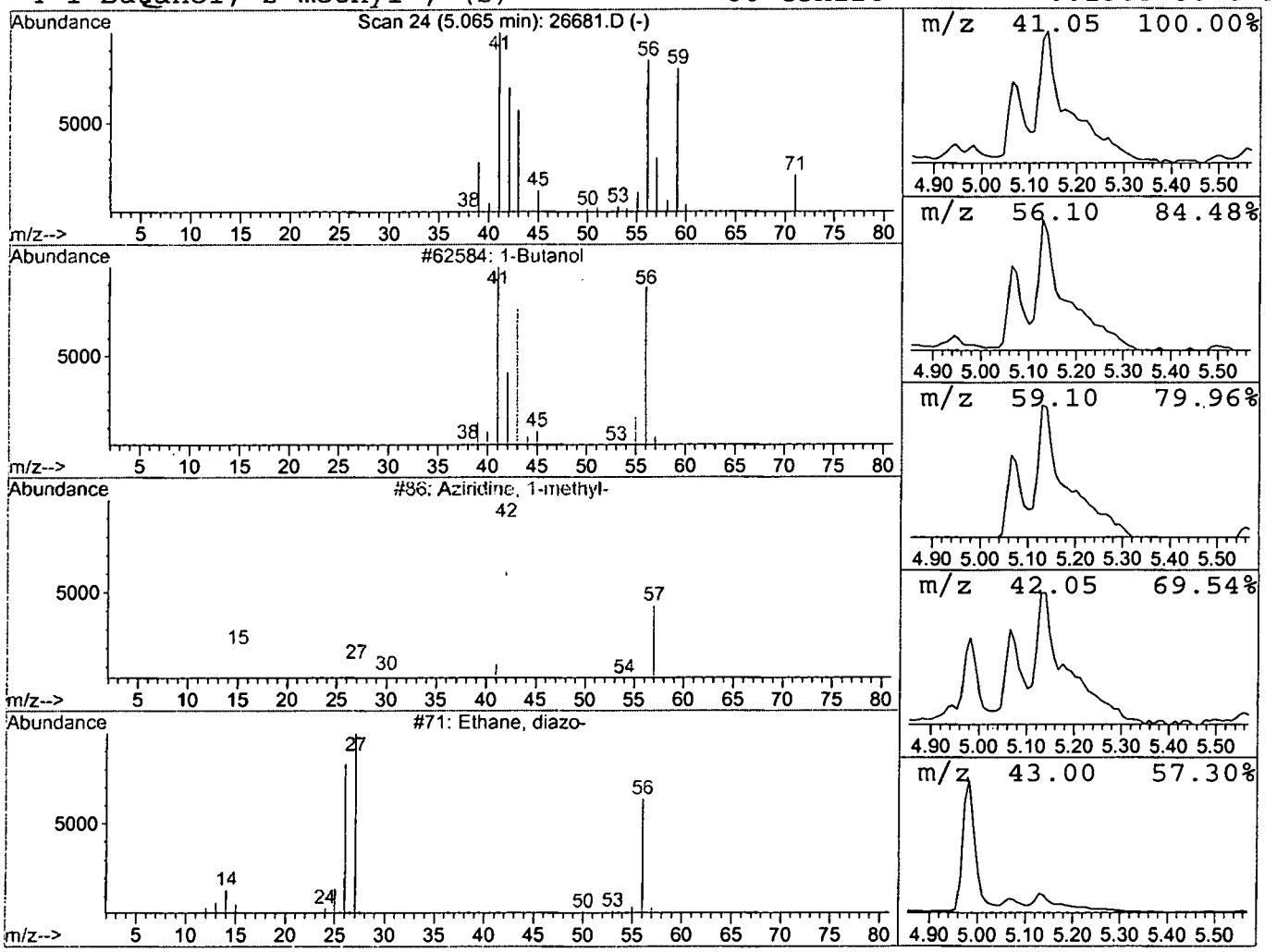
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 1-Butanol Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.06 | 0.61 ng/uL | 256098 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butanol | 74 | C4H10O | 000071-36-3 | 32 |
| 2 | Aziridine, 1-methyl- | 57 | C3H7N | 001072-44-2 | 9 |
| 3 | Ethane, diazo- | 56 | C2H4N2 | 001117-96-0 | 9 |
| 4 | 1-Butanol, 2-methyl-, (S)- | 88 | C5H12O | 001565-80-6 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D
Acq On : 4 Dec 2001 11:44 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

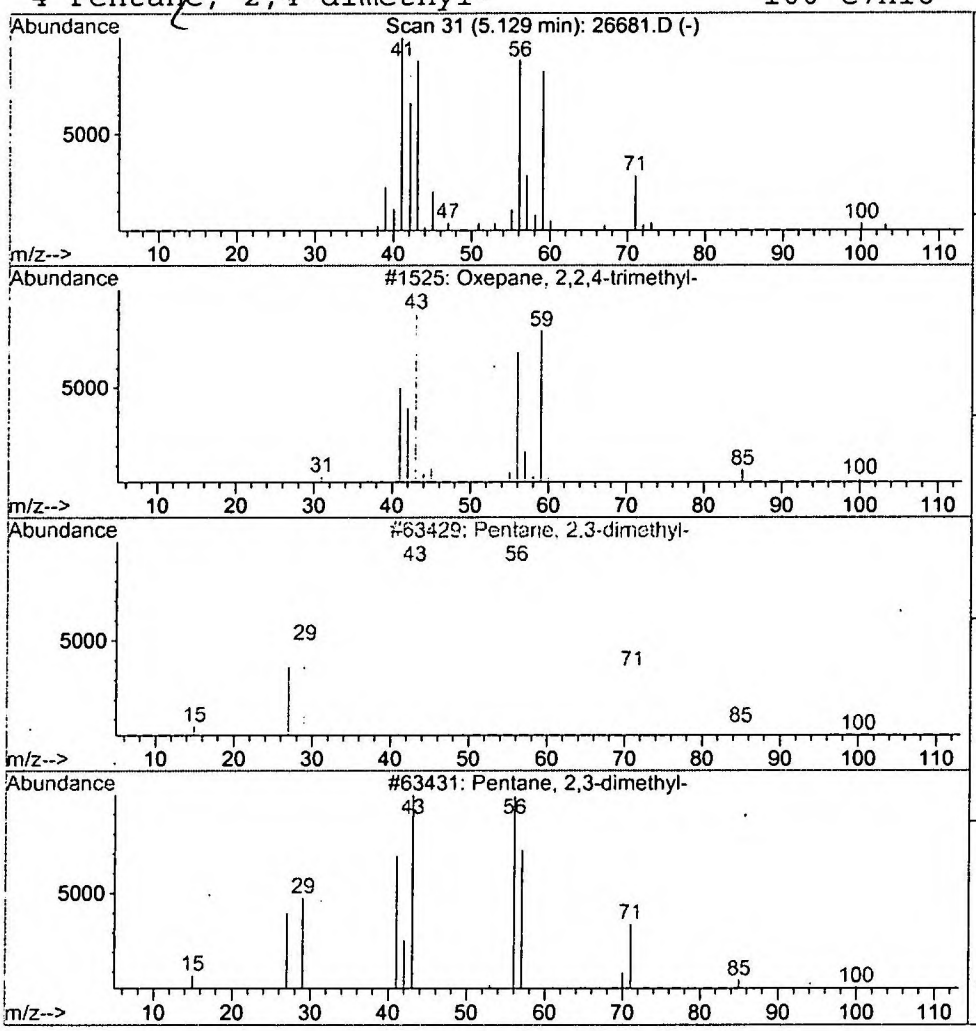
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

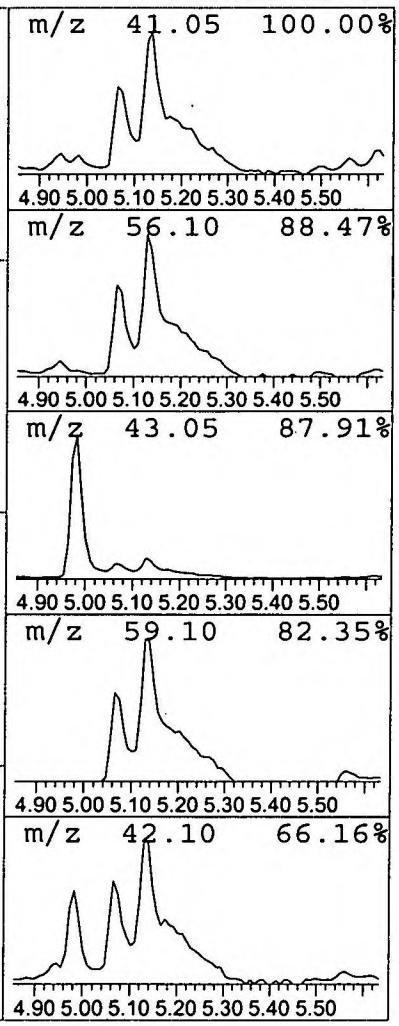
**********

Peak Number 3 Oxepane, 2,2,4-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.13 | 1.83 ng/uL | 773200 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxepane, 2,2,4-trimethyl- | 100 | C6H12O | 023120-44-7 | 64 |
| 2 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 38 |
| 3 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 38 |
| 4 | Pentane, 2,4-dimethyl- | 100 | C7H16 | 000108-08-7 | 35 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D  Vial: 2
Acq On : 4 Dec 2001 11:44 am  Operator: GALOS
Sample : gc/ms unknown  Inst : GC/MS Ins
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

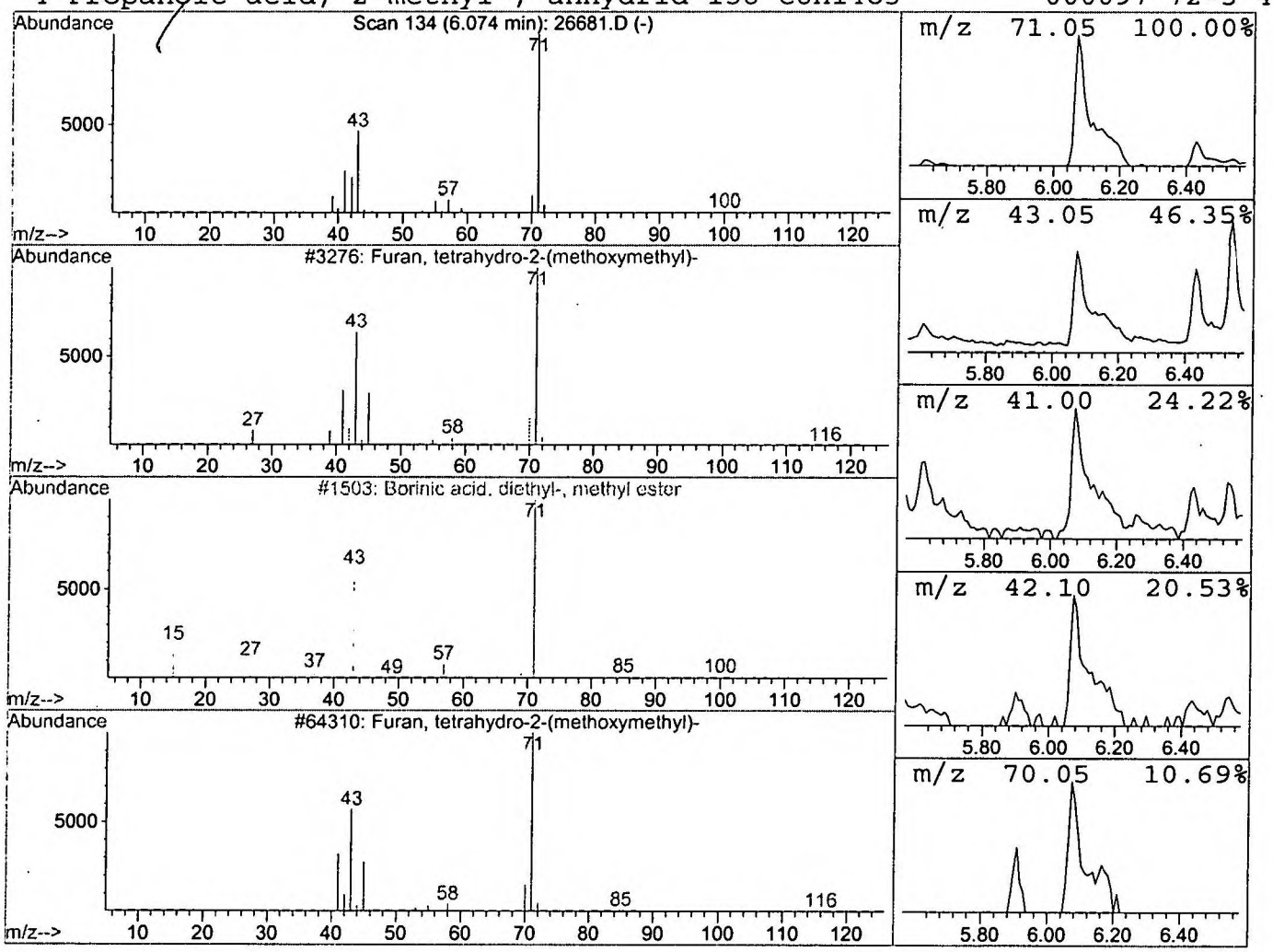
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 Furan, tetrahydro-2-(methoxyme Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.07 | 0.81 ng/uL | 341598 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2-(methoxymethyl) | 116 | C6H12O2 | 019354-27-9 | 59 |
| 2 | Borinic acid, diethyl-, methyl este | 100 | C5H13BO | 007397-46-8 | 45 |
| 3 | Furan, tetrahydro-2-(methoxymethyl) | 116 | C6H12O2 | 019354-27-9 | 45 |
| 4 | Propanoic acid, 2-methyl-, anhydrid | 158 | C8H14O3 | 000097-72-3 | 40 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D
Acq On : 4 Dec 2001 11:44 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

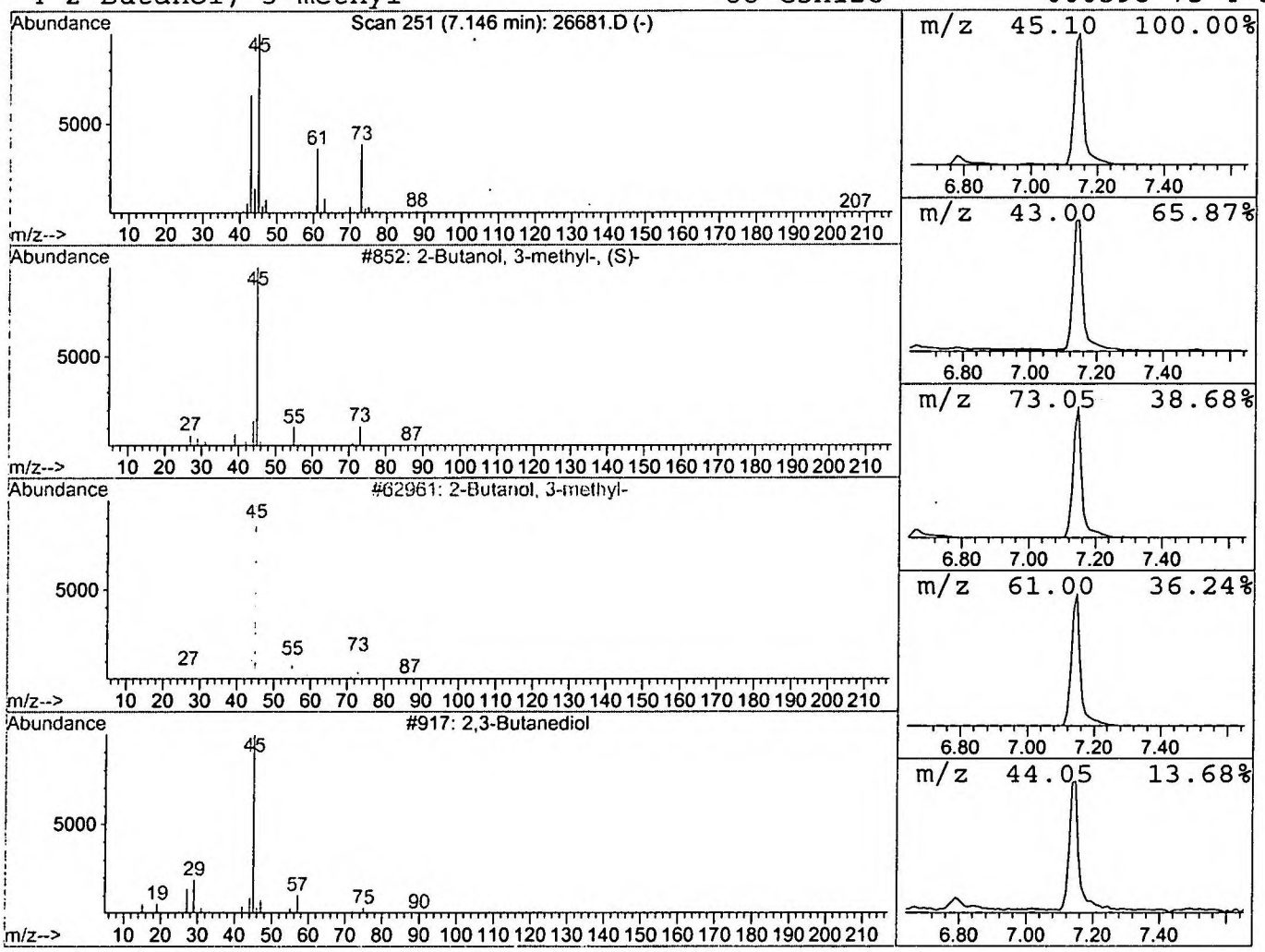
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 2-Butanol, 3-methyl-, (S)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.15 | 3.25 ng/uL | 1373010 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanol, 3-methyl-, (S)- | 88 | C5H12O | 001517-66-4 | 42 |
| 2 | 2-Butanol, 3-methyl- | 88 | C5H12O | 000598-75-4 | 42 |
| 3 | 2,3-Butanediol | 90 | C4H10O2 | 000513-85-9 | 33 |
| 4 | 2-Butanol, 3-methyl- | 88 | C5H12O | 000598-75-4 | 33 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D
Acq On : 4 Dec 2001 11:44 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

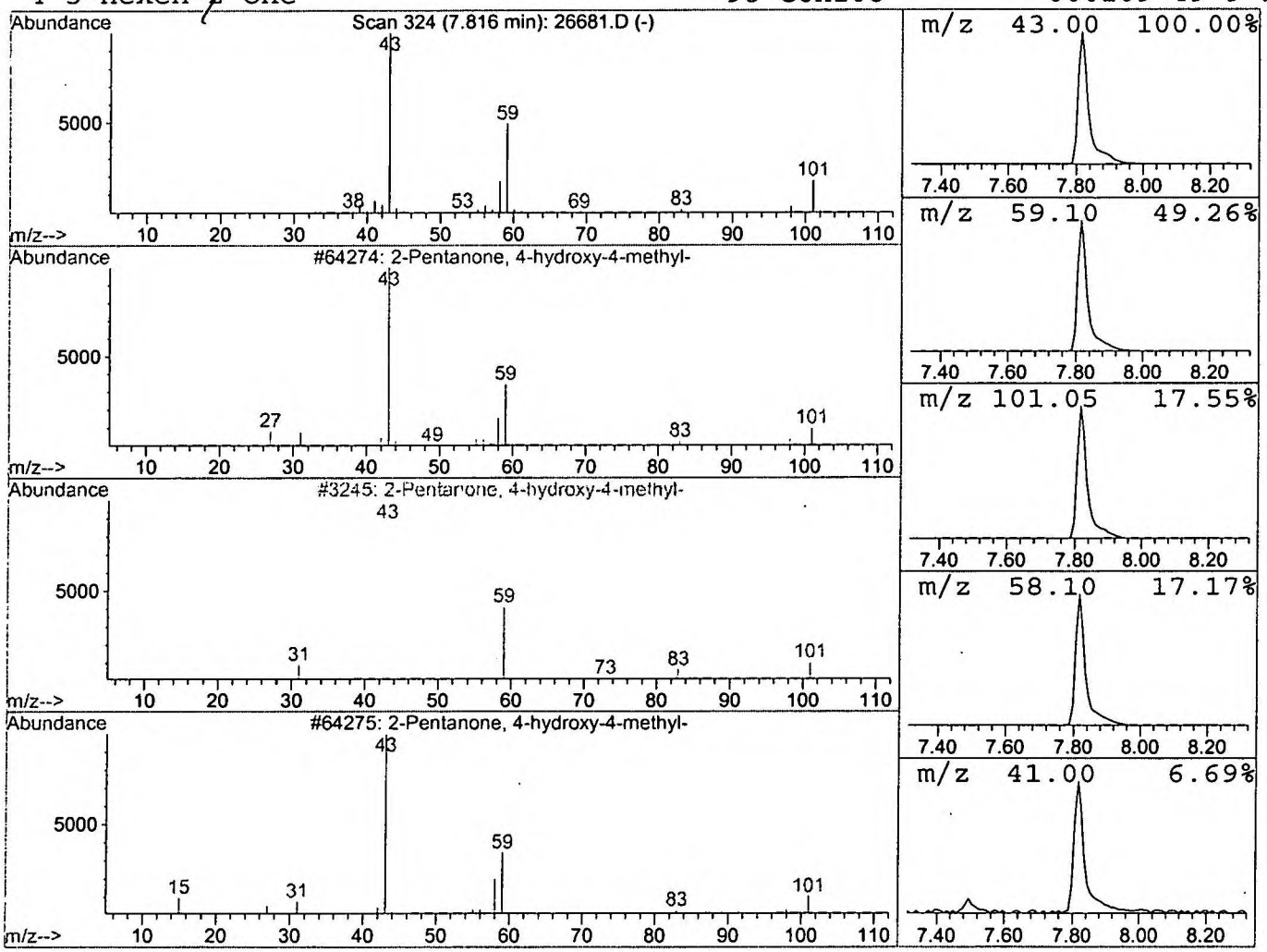
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 6 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.82 | 5.01 ng/uL | 2118470 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 43 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\26681.D
Acq On : 4 Dec 2001 11:44 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

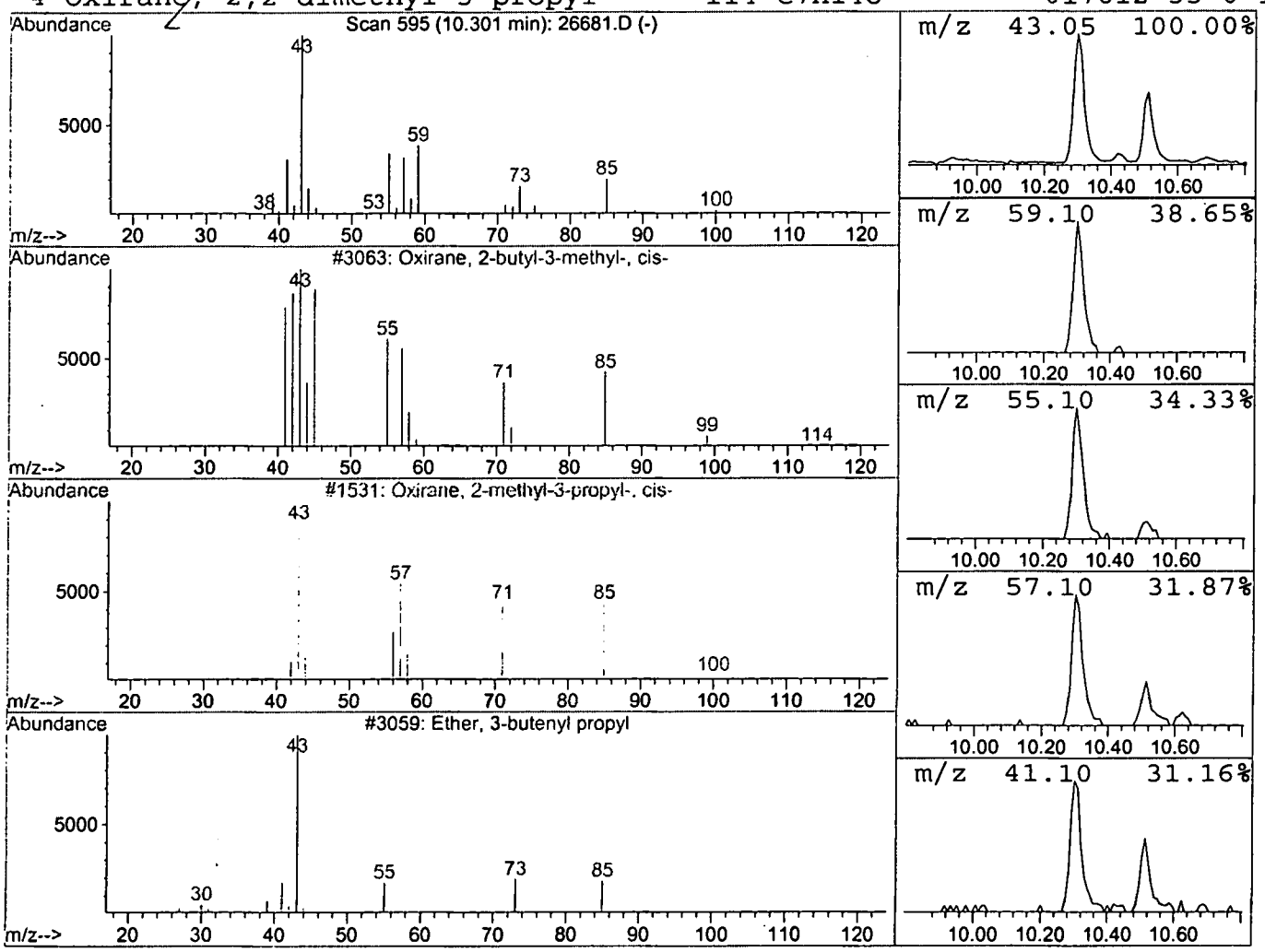
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 7 Oxirane, 2-butyl-3-methyl-, ci Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.30 | 0.68 ng/uL | 287135 | 1,4-Dichlorobenzene-d4 | 11.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, 2-butyl-3-methyl-, cis- | 114 | C7H14O | 056052-93-8 | 25 |
| 2 | Oxirane, 2-methyl-3-propyl-, cis- | 100 | C6H12O | 006124-90-9 | 12 |
| 3 | Ether, 3-butenyl propyl | 114 | C7H14O | 034061-75-1 | 12 |
| 4 | Oxirane, 2,2-dimethyl-3-propyl- | 114 | C7H14O | 017612-35-0 | 12 |



# Tentatively Identified Compound (LSC) summary

Operator ID: GALOS  Date Acquired: 4 Dec 2001 11:44 am
Data File: C:\HPCHEM\1\DATA\DEC0401\26681.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| Hydrogen azide | 4.98 | 1.1 | ng/uL | 461904 | ISTD01 | 11.87 | 8460660 | 20.0 |
| 1-Butanol | 5.06 | 0.6 | ng/uL | 256098 | ISTD01 | 11.87 | 8460660 | 20.0 |
| Oxopane, 2,2,4-trime | 5.13 | 1.8 | ng/uL | 773200 | ISTD01 | 11.87 | 8460660 | 20.0 |
| Furan, tetrahydro-2- | 6.07 | 0.8 | ng/uL | 341598 | ISTD01 | 11.87 | 8460660 | 20.0 |
| 2-Butanol, 3-methyl- | 7.15 | 3.2 | ng/uL | 1373010 | ISTD01 | 11.87 | 8460660 | 20.0 |
| 2-Pentanone, 4-hydro | 7.82 | 5.0 | ng/uL | 2118470 | ISTD01 | 11.87 | 8460660 | 20.0 |
| Oxirane, 2-butyl-3-m | 10.30 | 0.7 | ng/uL | 287135 | ISTD01 | 11.87 | 8460660 | 20.0 |

26681.D  NP112701.M  Fri Dec 07 13:12:33 2001

**Comments for Sample AD26681 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 11:06:31

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.35 ug/L.