User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/25/2002 Time: 15:48:00

Sample: AE08762
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/25/02 15:47 Ended: 4/25/02 15:47 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 80 | | 10.0 |

**Comments for Sample AE08762 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-25-2002 Time: 15:48:25

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR2202\8762.D Vial: 24
Acq On : 23 Apr 2002 7:33 am Operator:
Sample : gc/ms scan 4/12 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 23 12:39 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.21 | 152 | 504919 | 20.00 | ug/l | -0.03 |
| 10) Naphthalene-d8 | 15.84 | 136 | 1857481 | 20.00 | ug/l | -0.04 |
| 17) Acenaphthene-d10 | 21.15 | 164 | 1047678 | 20.00 | ug/l | -0.03 |
| 30) Phenanthrene-d10 | 25.59 | 188 | 1532415 | 20.00 | ug/l | -0.03 |
| 39) Chrysene-d12 | 33.64 | 240 | 982178 | 20.00 | ug/l | -0.04 |
| 45) Perylene-d12 | 37.87 | 264 | 605771 | 20.00 | ug/l | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.29 | 209 | 42092 | 8.02 | ug/L | -0.04 |
| Spiked Amount 10.000 | | | Recovery = 80.20% | | | |
| 38) 2,4-DDD | 0.00 | 235 | 0 | 0.00 | ug/mL | |
| Spiked Amount 5.000 | | | Recovery = 0.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 6) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 7) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 8) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 11) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 12) Isophorone | 14.06 | 82 | 430 | N.D. | | |
| 13) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Naphthalene | 0.00 | 128 | 0 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 19) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 20) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 25) Diethylphthalate | 22.63 | 149 | 459 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR2202\8762.D Vial: 24
Acq On : 23 Apr 2002 7:33 am Operator:
Sample : gc/ms scan 4/12 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 23 12:39 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

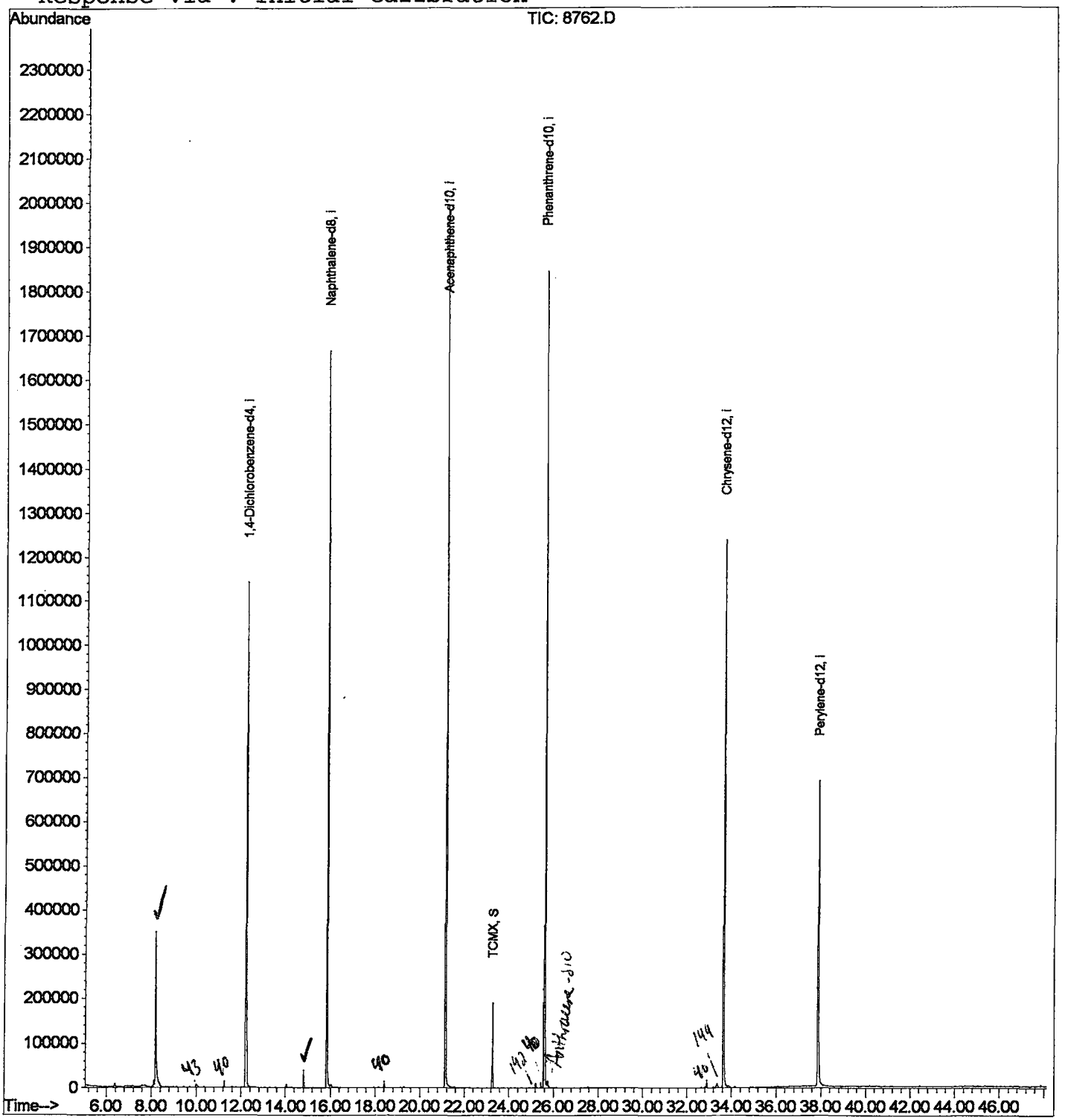
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 33) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 34) | Phenanthrene | 25.59 | 178 | 509 | N.D. | |
| 35) | Anthracene | 25.59 | 178 | 509 | N.D. | |
| 36) | Di-n-butylphthalate | 27.55 | 149 | 2955 | N.D. | |
| 37) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 40) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 41) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 42) | Benzo(a)anthracene | 33.64 | 228 | 2271 | N.D. | |
| 43) | Bis(2-ethylhexyl)phthalate | 33.86 | 149 | 2006 | N.D. | |
| 44) | Chrysene | 33.64 | 228 | 2271 | N.D. | |
| 46) | Di-n-Octylphthalate | 36.06 | 149 | 1200 | N.D. | |
| 47) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 49) | Benzo(a)pyrene | 37.88 | 252 | 2082 | N.D. | |
| 50) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 51) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 52) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR2202\8762.D Vial: 24
Acq On : 23 Apr 2002 7:33 am Operator:
Sample : gc/ms scan 4/12 fb Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 23 12:39 2002 Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR2202\8762.D  Vial: 24
Acq On : 23 Apr 2002 7:33 am  Operator:
Sample : gc/ms scan 4/12 fb  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/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

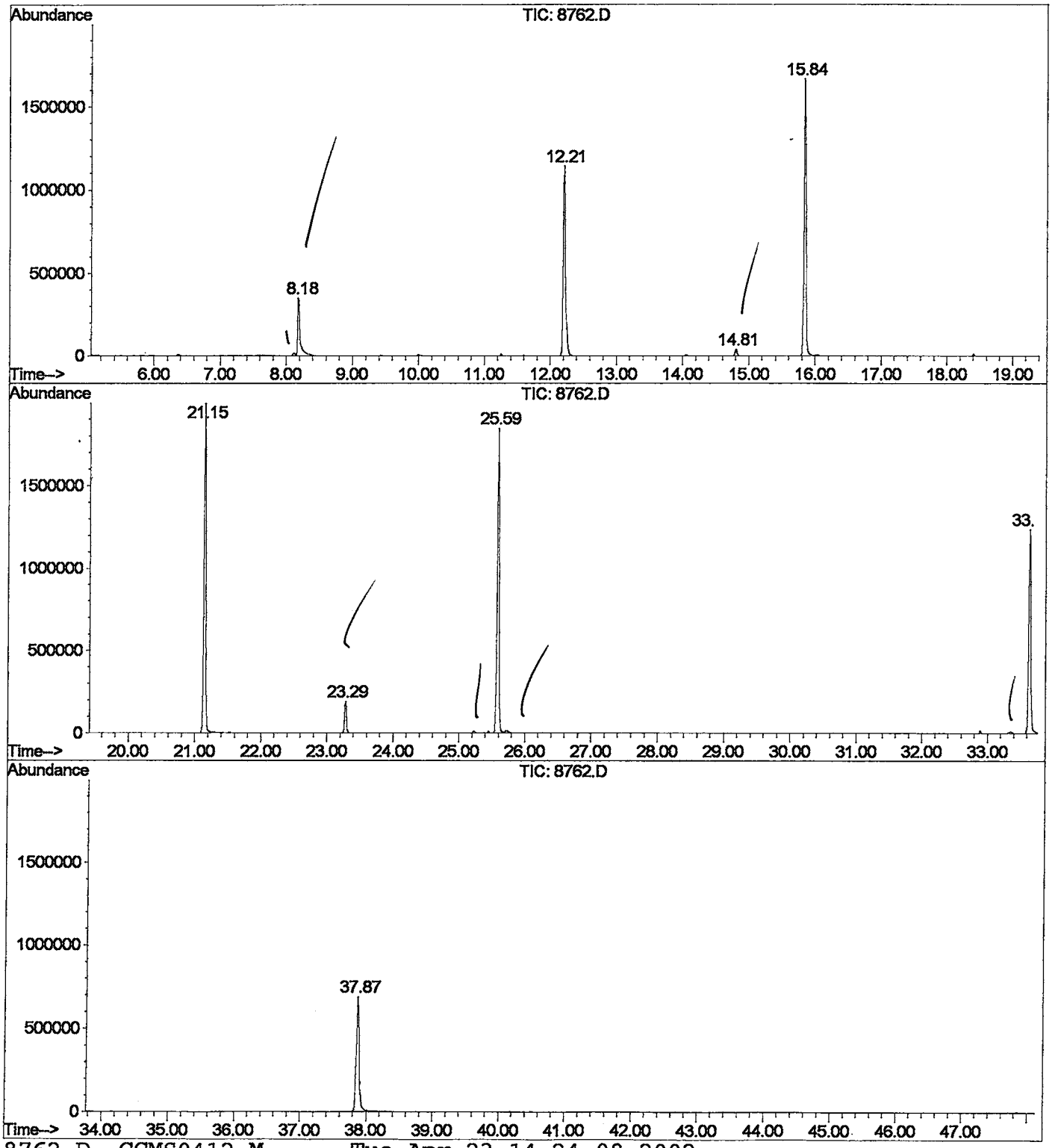
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.184 | 339 | 342 | 373 | rVB | 349194 | 887096 | 22.25% | 4.376% |
| 2 | 12.214 | 775 | 781 | 797 | rBV | 1142360 | 2717733 | 68.15% | 13.406% |
| 3 | 14.812 | 1059 | 1064 | 1069 | rVB | 40281 | 75093 | 1.88% | 0.370% |
| 4 | 15.840 | 1170 | 1176 | 1193 | rBV | 1666669 | 3511117 | 88.05% | 17.320% |
| 5 | 21.146 | 1748 | 1754 | 1766 | rBV | 1995623 | 3987755 | 100.00% | 19.671% |
| 6 | 23.285 | 1980 | 1987 | 1994 | rBV | 191113 | 374539 | 9.39% | 1.848% |
| 7 | 25.590 | 2231 | 2238 | 2249 | rBV2 | 1845808 | 3829902 | 96.04% | 18.893% |
| 8 | 33.641 | 3108 | 3115 | 3134 | rBV2 | 1238524 | 2840397 | 71.23% | 14.011% |
| 9 | 37.873 | 3567 | 3576 | 3593 | rBV2 | 687655 | 2048368 | 51.37% | 10.104% |

Sum of corrected areas: 20272000

8762.D GCMS0412.M Tue Apr 23 14:24:07 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR2202\8762.D
Operator :
Acquired : 23 Apr 2002 7:33 am using AcqMethod GCMS0412
Instrument : 209
Sample Name: gc/ms scan 4/12 fb
Misc Info :
Vial Number: 24
Quant File :GCMS0412.RES (RTE Integrator)




8762.D GCMS0412.M Tue Apr 23 14:24:08 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR2202\8762.D  Vial: 24
Acq On : 23 Apr 2002 7:33 am  Operator:
Sample : gc/ms scan 4/12 fb  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

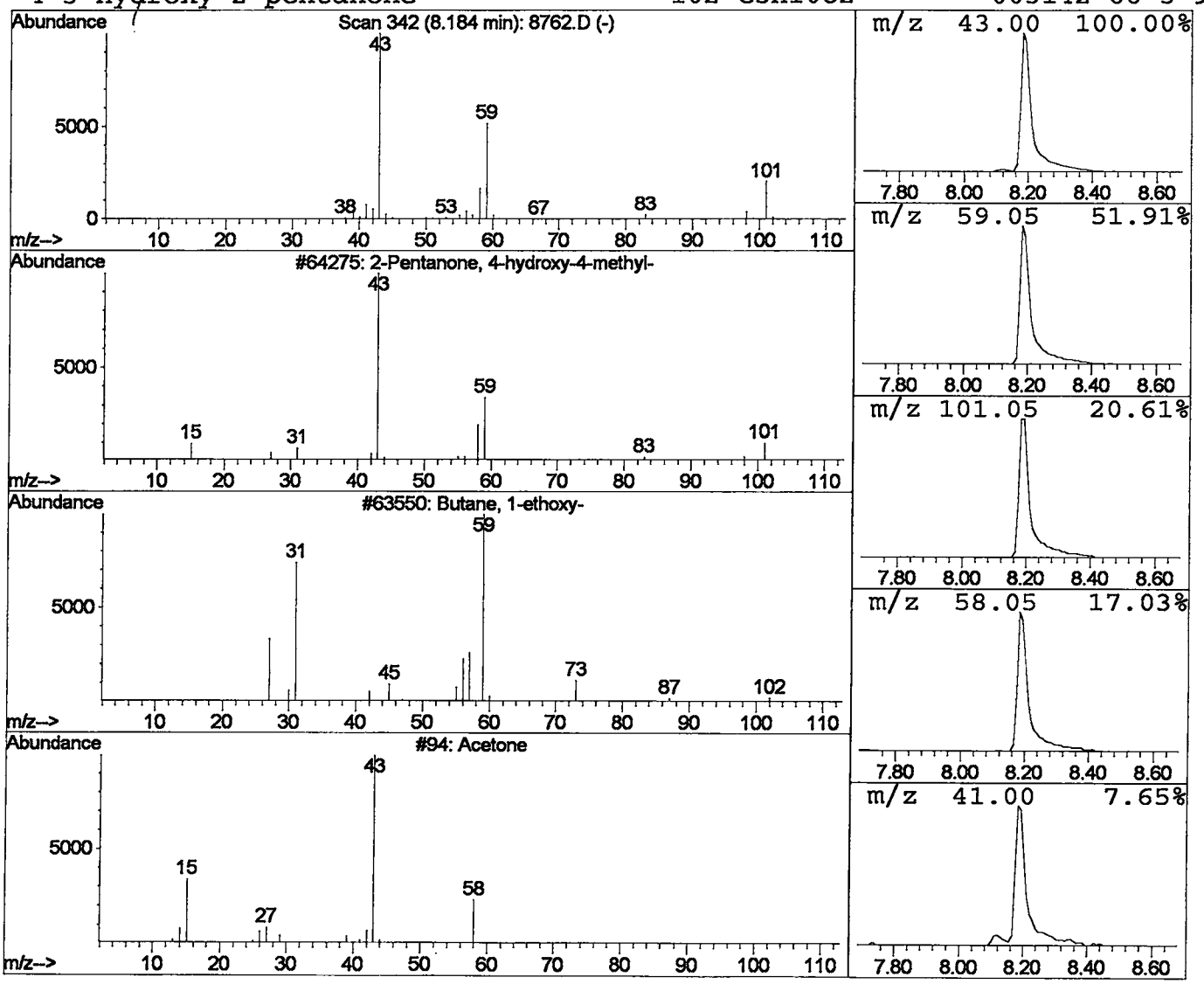
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.18 | 6.53 ug/l | 887096 | 1,4-Dichlorobenzene-d4 | 12.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 4 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR2202\8762.D  Vial: 24
Acq On : 23 Apr 2002 7:33 am  Operator:
Sample : gc/ms scan 4/12 fb  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

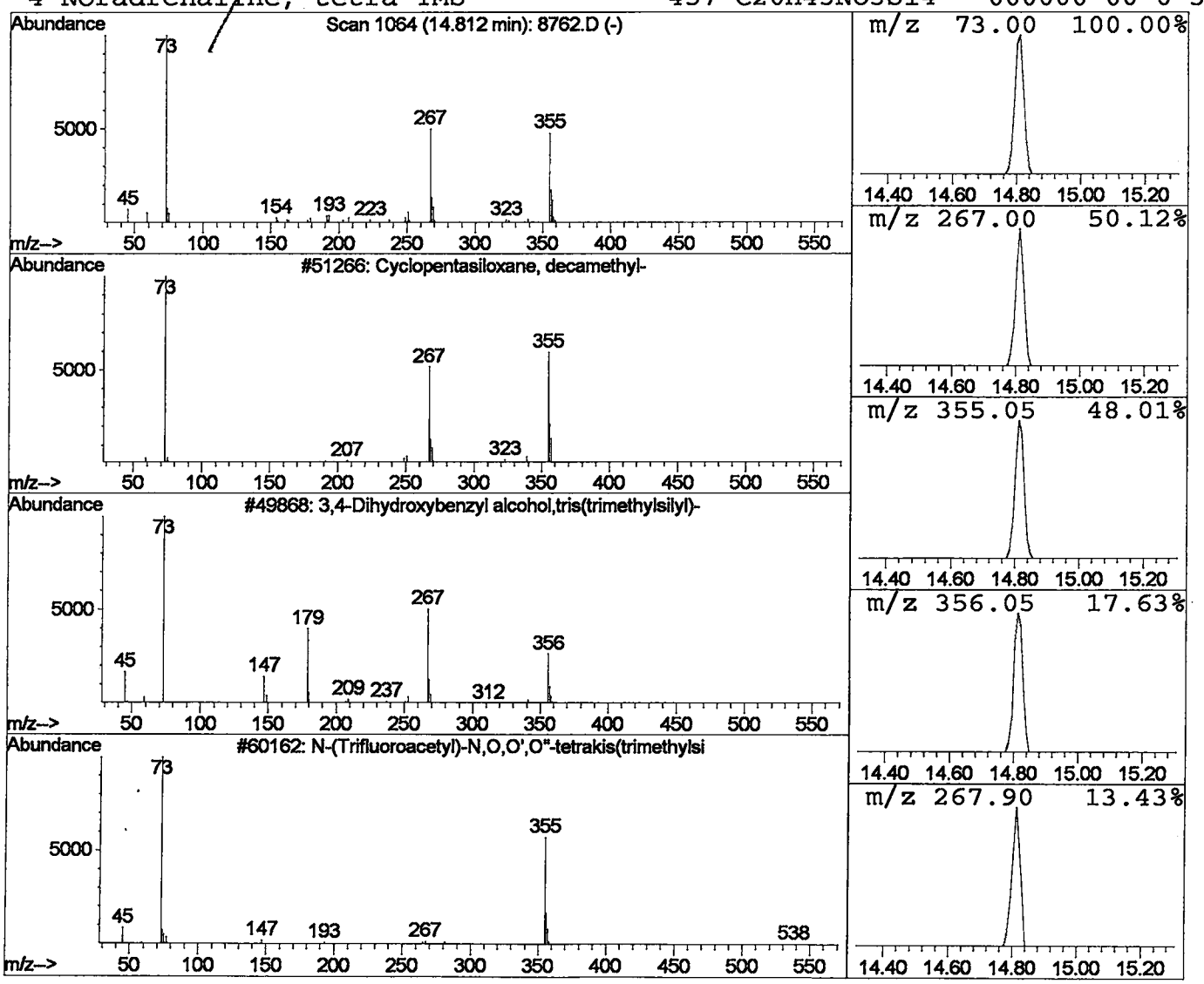
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.81 | 0.43 ug/l | 75093 | Naphthalene-d8 | 15.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 2 | 3,4-Dihydroxybenzyl alcohol,tris(tr | 356 | C16H32O3Si3 | 068595-79-9 | 64 |
| 3 | N-(Trifluoroacetyl)-N,O,O',O''-tetr | 553 | C22H42F3NO4Si4 | 000000-00-0 | 47 |
| 4 | Noradrenaline, tetra-TMS | 457 | C20H43NO3Si4 | 000000-00-0 | 37 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Apr 2002 7:33 am
Data File: C:\HPCHEM\1\DATA\APR2202\8762.D
Name: gc/ms scan 4/12 fb
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| 2-Pentanone, 4-hydro | 8.18 | 6.5 | ug/l | 887096 | ISTD01 | 12.21 | 2717730 | 20.0 |
| Cyclopentasiloxane, | 14.81 | 0.4 | ug/l | 75093 | ISTD02 | 15.84 | 3511120 | 20.0 |

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