User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 17:11:14

Sample: AE02601
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 17:11 Ended: 3/7/02 17:11 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 126 | | 5.0 |

**Comments for Sample AE02601 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 17:11:55

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR0102\2601.D Vial: 11
Acq On : 1 Mar 2002 6:12 pm Operator:
Sample : gc/ms scan 2/5 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 4 11:27 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Field Blk

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.32 | 152 | 305428 | 20.00 | ug/l | -0.04 |
| 10) Naphthalene-d8 | 15.95 | 136 | 1187428 | 20.00 | ug/l | -0.04 |
| 17) Acenaphthene-d10 | 21.27 | 164 | 630595 | 20.00 | ug/l | -0.04 |
| 29) Phenanthrene-d10 | 25.71 | 188 | 911963 | 20.00 | ug/l | -0.05 |
| 38) Chrysene-d12 | 33.78 | 240 | 639353 | 20.00 | ug/l | -0.06 |
| 44) Perylene-d12 | 38.05 | 264 | 435328 | 20.00 | ug/l | -0.07 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.79 | 235 | 59772 | 6.28 | ug/mL | 0.29 |
| Spiked Amount 5.000 | | | Recovery = 125.60% | | | |
| **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 | 0.00 | 82 | 0 | 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 | 22.75 | 149 | 979 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR0102\2601.D Vial: 11
Acq On : 1 Mar 2002 6:12 pm Operator:
Sample : gc/ms scan 2/5 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 4 11:27 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

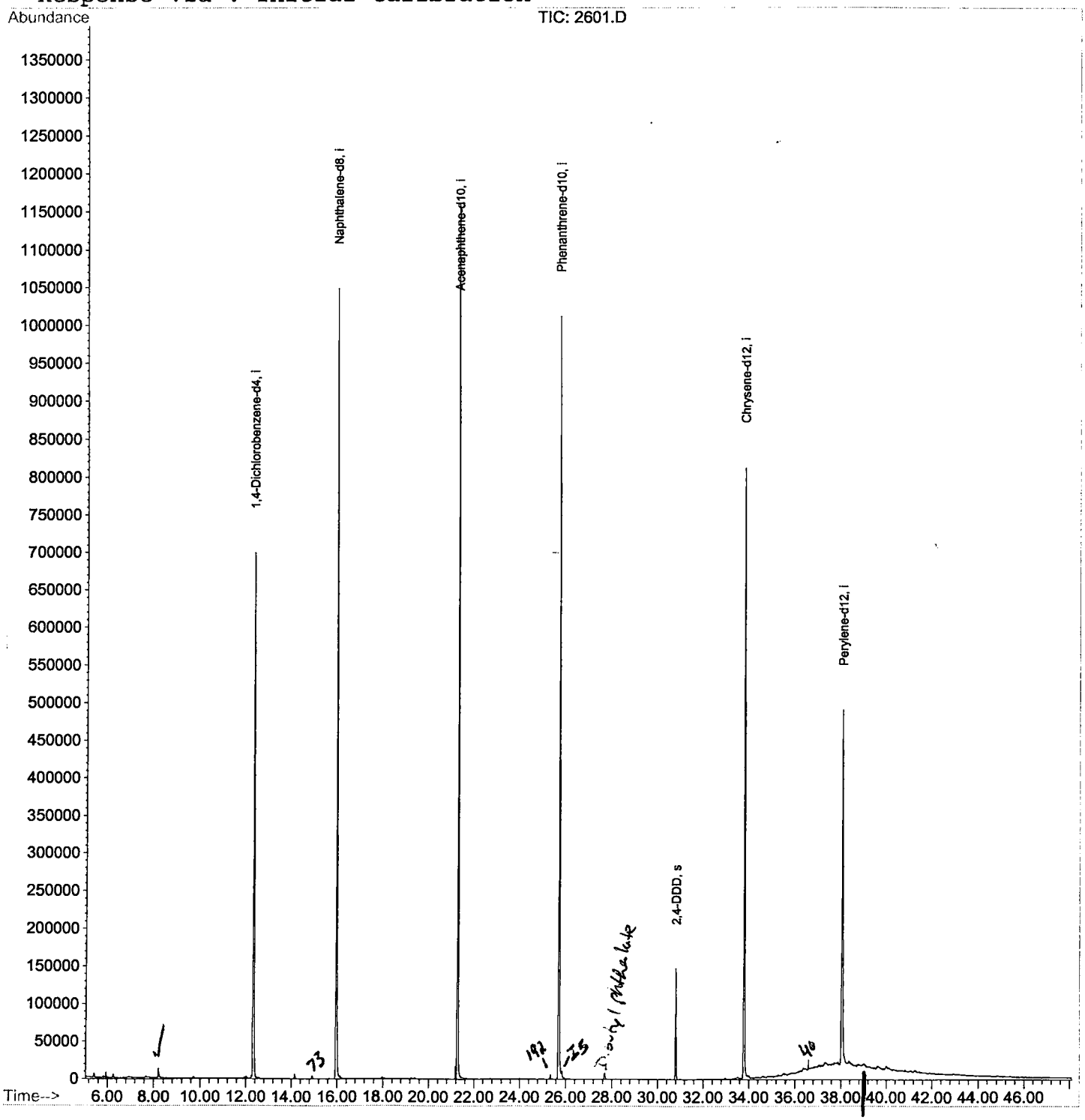
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.72 | 178 | 193 | N.D. | |
| 34) | Anthracene | 25.72 | 178 | 193 | N.D. | |
| 35) | Di-n-butylphthalate | 27.69 | 149 | 13619 | N.D. | |
| 36) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) | Benzo(a)anthracene | 33.78 | 228 | 1419 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.99 | 149 | 1799 | N.D. | |
| 43) | Chrysene | 33.78 | 228 | 1419 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) | Benzo(a)pyrene | 38.05 | 252 | 1721 | N.D. | |
| 49) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 50) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 51) | 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\MAR0102\2601.D Vial: 11
Acq On : 1 Mar 2002 6:12 pm Operator:
Sample : gc/ms scan 2/5 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 4 11:27 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR0102\2601.D  Vial: 11
Acq On : 1 Mar 2002 6:12 pm  Operator:
Sample : gc/ms scan 2/5 fb  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

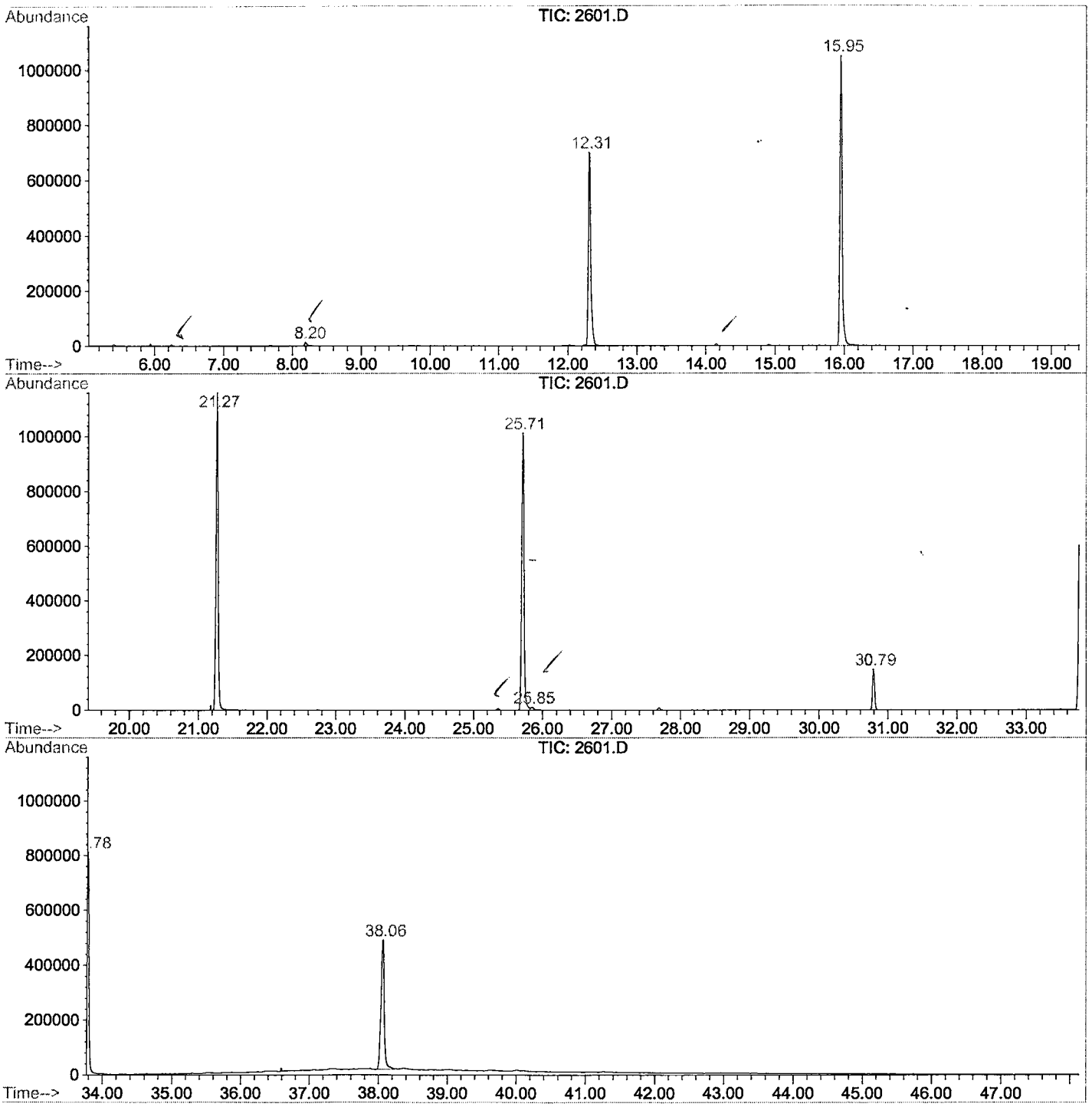
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.197 | 340 | 344 | 356 | rBV | 12910 | 31822 | 1.28% | 0.251% |
| 2 | 12.309 | 787 | 792 | 808 | rVB | 698596 | 1707304 | 68.72% | 13.445% |
| 3 | 15.954 | 1183 | 1189 | 1208 | rBV | 1048791 | 2294783 | 92.36% | 18.071% |
| 4 | 21.269 | 1761 | 1768 | 1784 | rBV | 1161523 | 2484525 | 100.00% | 19.565% |
| 5 | 25.713 | 2246 | 2252 | 2264 | rBV2 | 1012184 | 2383540 | 95.94% | 18.770% |
| 6 | 25.850 | 2264 | 2267 | 2276 | rVB3 | 10047 | 29457 | 1.19% | 0.232% |
| 7 | 30.789 | 2800 | 2805 | 2813 | rBV | 147280 | 303395 | 12.21% | 2.389% |
| 8 | 33.782 | 3124 | 3131 | 3143 | rBV2 | 811818 | 1913658 | 77.02% | 15.070% |
| 9 | 38.060 | 3588 | 3597 | 3615 | rBV2 | 471218 | 1550047 | 62.39% | 12.207% |

Sum of corrected areas: 12698531

2601.D GCMS0208.M Mon Mar 04 11:45:03 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR0102\2601.D
Operator :
Acquired : 1 Mar 2002 6:12 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/5 fb
Misc Info :
Vial Number: 11
Quant File :GCMS0208.RES (RTE Integrator)




2601.D GCMS0208.M Mon Mar 04 11:45:09 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR0102\2601.D  Vial: 11
Acq On : 1 Mar 2002 6:12 pm  Operator:
Sample : gc/ms scan 2/5 fb  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

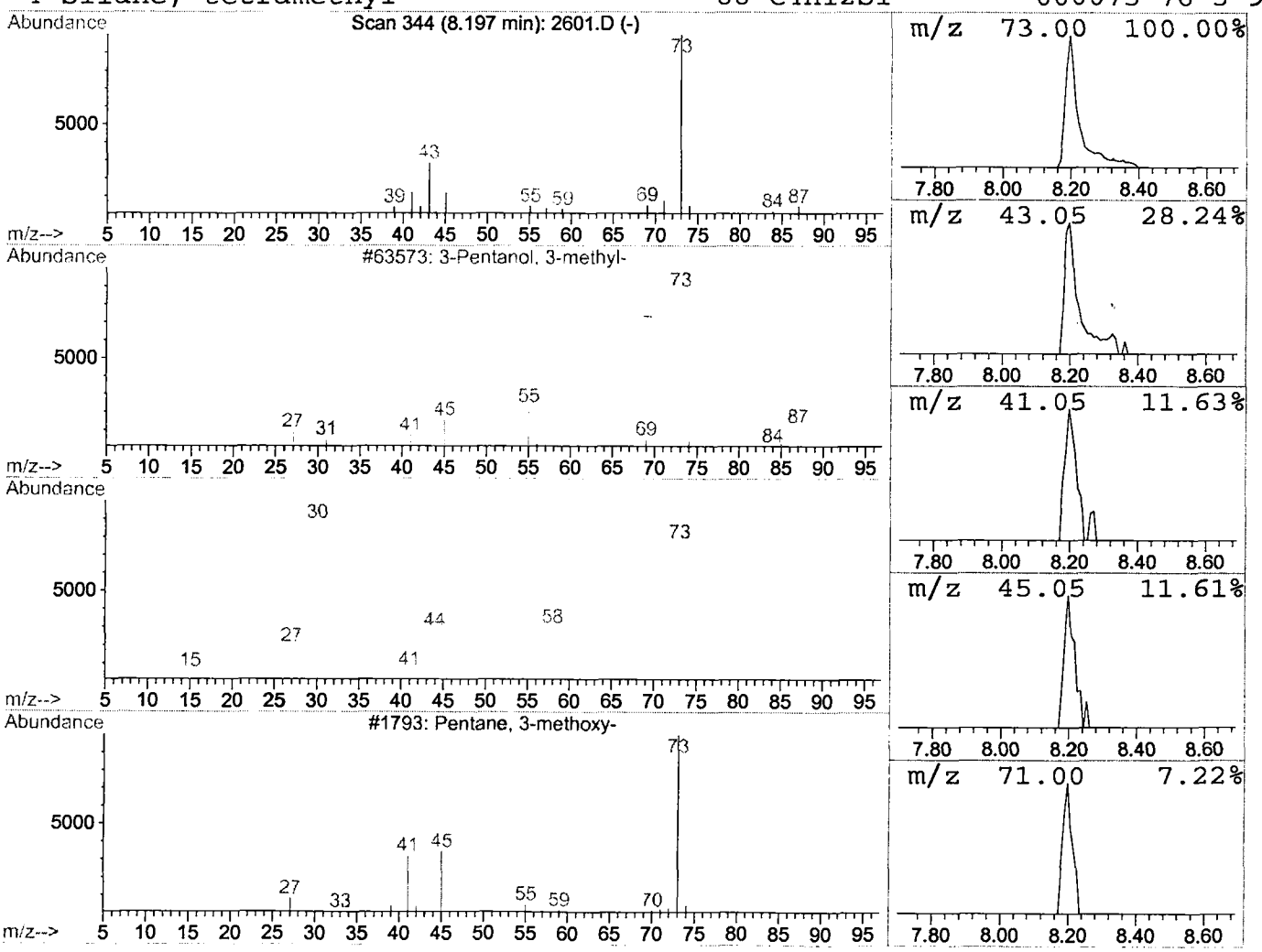
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 3-Pentanol, 3-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.20 | 0.37 ug/l | 31822 | 1,4-Dichlorobenzene-d4 | 12.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 33 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



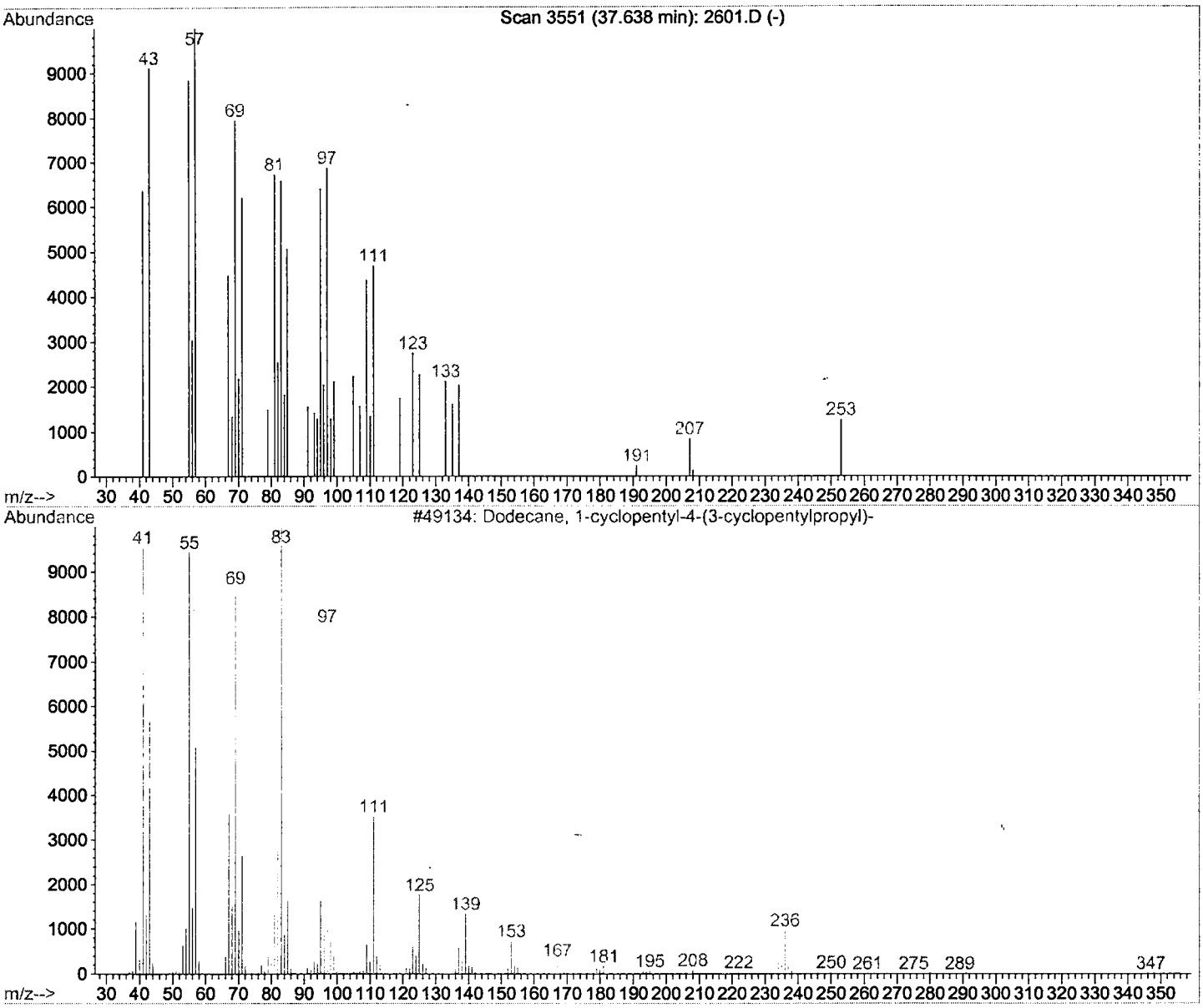
# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 1 Mar 2002 6:12 pm
Data File: C:\HPCHEM\1\DATA\MAR0102\2601.D
Name: gc/ms scan 2/5 fb
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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 |
|---|---|---|---|---|---|---|---|---|
| 3-Pentanol, 3-methyl | 8.20 | 0.4 | ug/l | 31822 | ISTD01 | 12.32 | 1707300 | 20.0 |
| 4-Methyl-2-(3-fluoro | 25.85 | 0.2 | ug/l | 29457 | ISTD04 | 25.71 | 2383540 | 20.0 |

2601.D GCMS0208.M Mon Mar 04 11:45:23 2002

Library Searched : C:\DATABASE\nbs75k.l
Quality : 38
ID : Dodecane, 1-cyclopentyl-4-(3-cyclopentylpropyl)-




True column bleed