User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/09/2002 Time: 10:40:31

Sample: AE05057
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/9/02 10:39 Ended: 4/9/02 10:39 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 109 | | 5.0 |

**Comments for Sample AE05057 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-09-2002 Time: 11:26:05

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
This sample is the Field Blank. There are present, however, a series of tentatively identified hydrocarbons, at trace levels, with poor fits, in the range of 14 to 16 minutes.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR3002\5057.D Vial: 33
Acq On : 31 Mar 2002 12:42 am Operator:
Sample : gc/ms scan 3/8 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 31 1:30 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 501976 | 20.00 | ug/l | -0.11 |
| 10) Naphthalene-d8 | 15.89 | 136 | 1823741 | 20.00 | ug/l | -0.11 |
| 17) Acenaphthene-d10 | 21.20 | 164 | 1028860 | 20.00 | ug/l | -0.12 |
| 29) Phenanthrene-d10 | 25.63 | 188 | 1447900 | 20.00 | ug/l | -0.14 |
| 38) Chrysene-d12 | 33.69 | 240 | 720069 | 20.00 | ug/l | -0.15 |
| 44) Perylene-d12 | 37.93 | 264 | 411166 | 20.00 | ug/l | -0.19 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.71 | 235 | 100256 | ~~6.90~~ 5.43 mg/ml | ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery = | ~~138.00%~~ 108.58% | | |
| **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 | 14.77 | 82 | 1631 | 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 | 15.94 | 128 | 1161 | 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 | 21.49 | 165 | 105 | N.D. | | |
| 25) Diethylphthalate | 22.67 | 149 | 1366 | 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\MAR3002\5057.D Vial: 33
Acq On : 31 Mar 2002 12:42 am Operator:
Sample : gc/ms scan 3/8 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 31 1:30 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

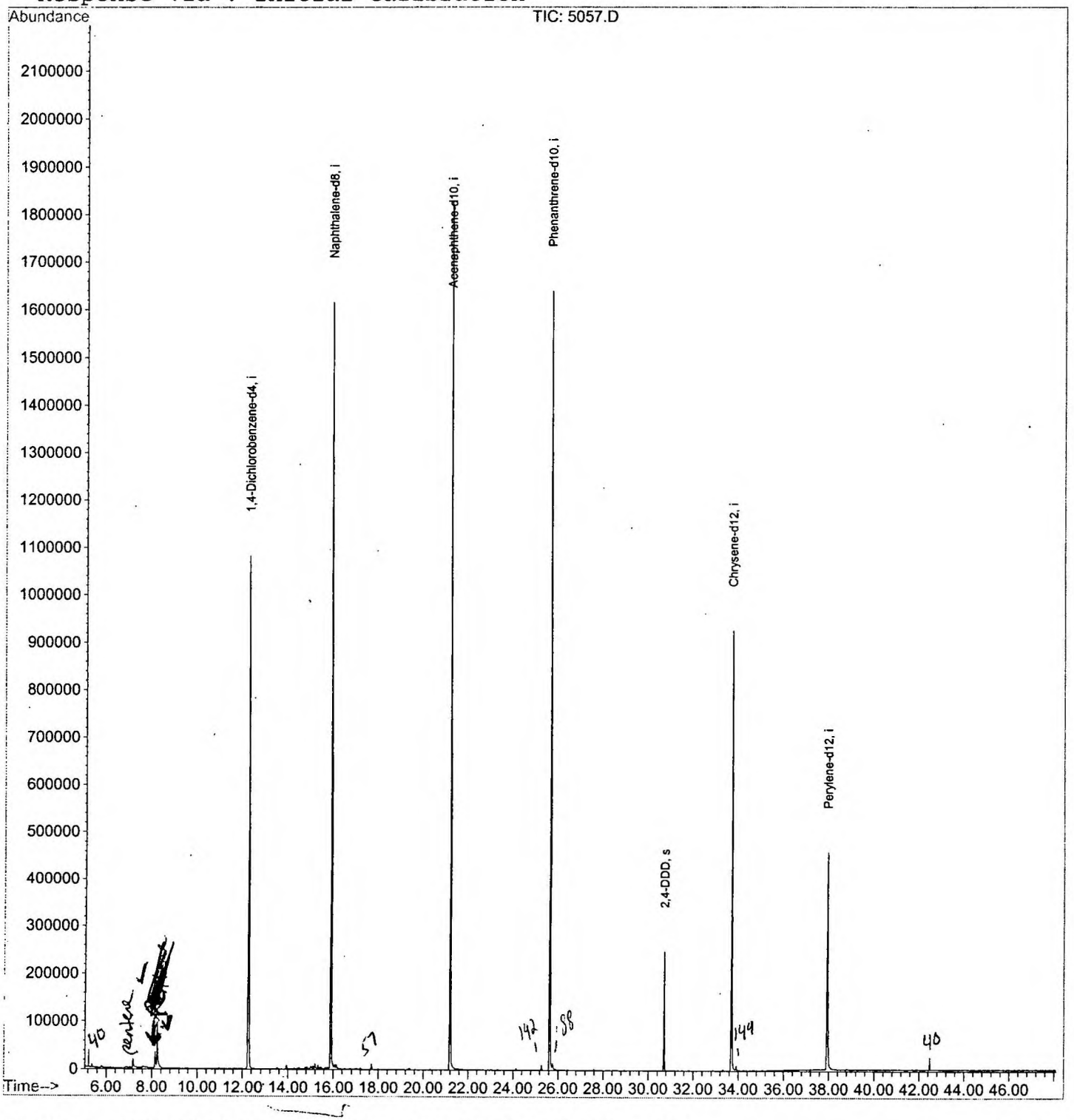
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 30) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) Phenanthrene | 25.70 | 178 | 201 | N.D. | |
| 34) Anthracene | 25.70 | 178 | 201 | N.D. | |
| 35) Di-n-butylphthalate | 27.60 | 149 | 4358 | 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 | 33.69 | 228 | 1844 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 33.91 | 149 | 6266 | N.D. | |
| 43) Chrysene | 33.69 | 228 | 1845 | N.D. | |
| 45) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) Benzo(b)fluoranthene | 36.82 | 252 | 286 | N.D. | |
| 47) Benzo(k)fluoranthene | 36.82 | 252 | 286 | N.D. | |
| 48) Benzo(a)pyrene | 37.95 | 252 | 1690 | 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\MAR3002\5057.D Vial: 33
Acq On : 31 Mar 2002 12:42 am Operator:
Sample : gc/ms scan 3/8 fb Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 31 1:30 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR3002\5057.D  Vial: 33
Acq On : 31 Mar 2002 12:42 am  Operator:
Sample : gc/ms scan 3/8 fb  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.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

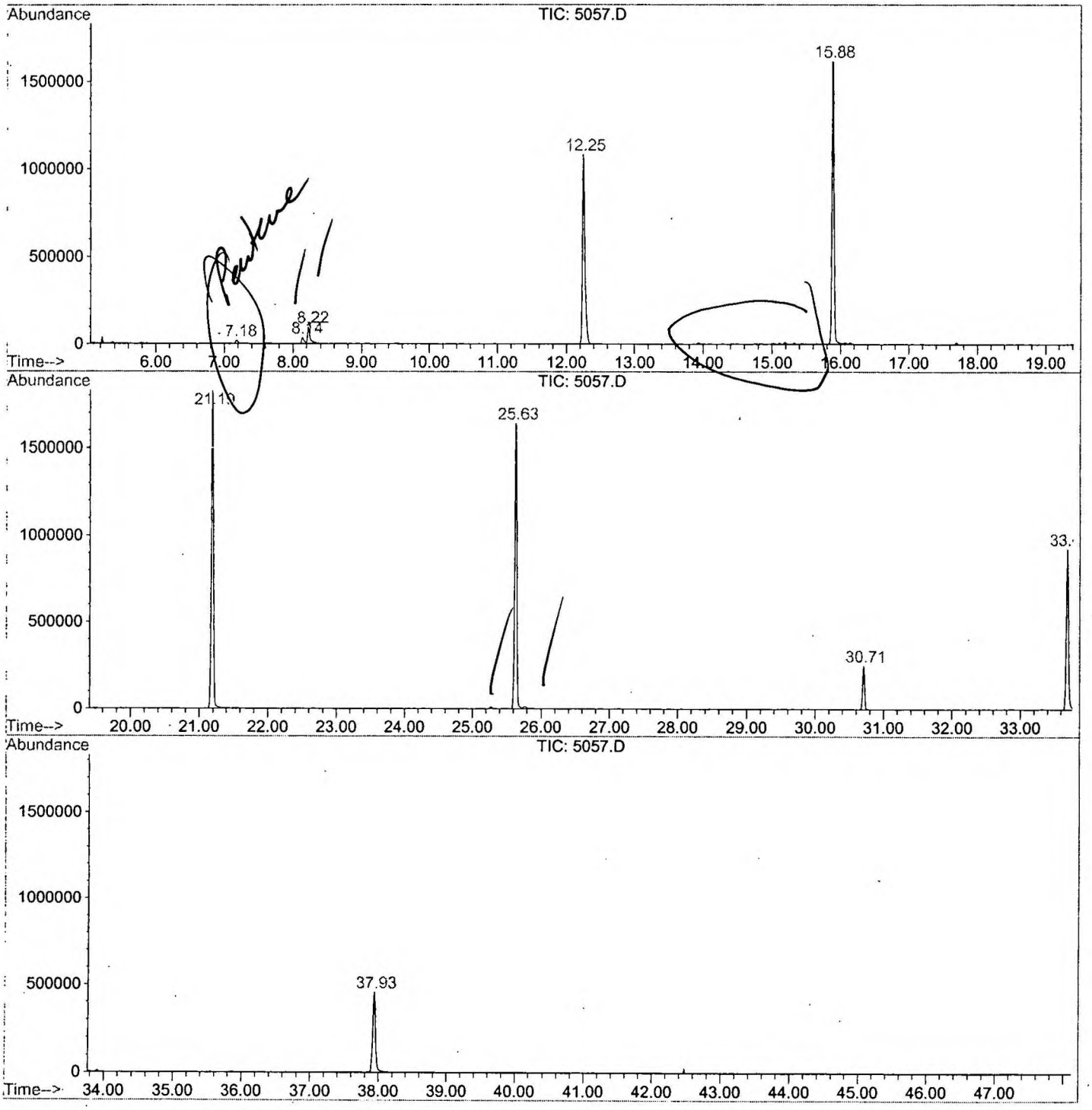
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.178 | 227 | 232 | 242 | rBV | 18412 | 45368 | 1.16% | 0.251% |
| 2 | 8.142 | 333 | 337 | 343 | rBV | 33624 | 82749 | 2.11% | 0.458% |
| 3 | 8.224 | 343 | 346 | 361 | rVB | 94076 | 220522 | 5.63% | 1.221% |
| 4 | 12.245 | 779 | 784 | 801 | rVB | 1080564 | 2689507 | 68.65% | 14.897% |
| 5 | 15.881 | 1174 | 1180 | 1195 | rBV | 1612064 | 3512365 | 89.65% | 19.455% |
| 6 | 21.187 | 1752 | 1758 | 1773 | rBV | 1828746 | 3917984 | 100.00% | 21.702% |
| 7 | 25.630 | 2236 | 2242 | 2252 | rBV2 | 1640116 | 3632591 | 92.72% | 20.121% |
| 8 | 30.707 | 2790 | 2795 | 2802 | rVB | 250760 | 487319 | 12.44% | 2.699% |
| 9 | 33.691 | 3114 | 3120 | 3136 | rBV2 | 926804 | 2081667 | 53.13% | 11.530% |
| 10 | 37.932 | 3574 | 3582 | 3598 | rBV2 | 456820 | 1383795 | 35.32% | 7.665% |

Sum of corrected areas: 18053867

5057.D GCMS0308.M Tue Apr 02 15:34:44 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR3002\5057.D
Operator :
Acquired : 31 Mar 2002 12:42 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/8 fb
Misc Info :
Vial Number: 33
Quant File :GCMS0308.RES (RTE Integrator)




5057.D GCMS0308.M Tue Apr 02 15:34:50 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR3002\5057.D  Vial: 33
Acq On : 31 Mar 2002 12:42 am  Operator:
Sample : gc/ms scan 3/8 fb  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

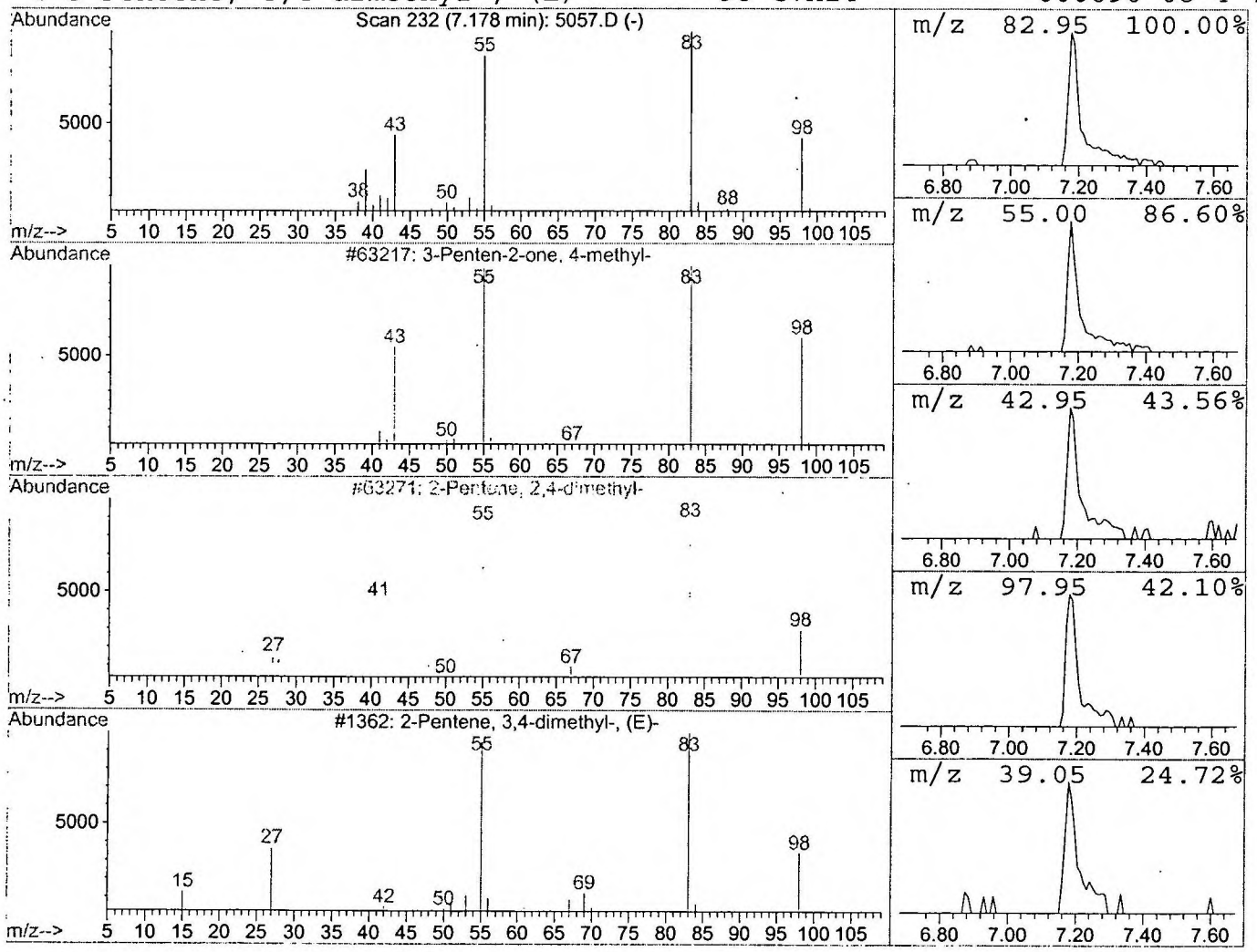
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.18 | 0.34 ug/l | 45368 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 2 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 91 |
| 3 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 78 |
| 4 | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14 | 000690-08-4 | 78 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR3002\5057.D  Vial: 33
Acq On : 31 Mar 2002 12:42 am  Operator:
Sample : gc/ms scan 3/8 fb  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

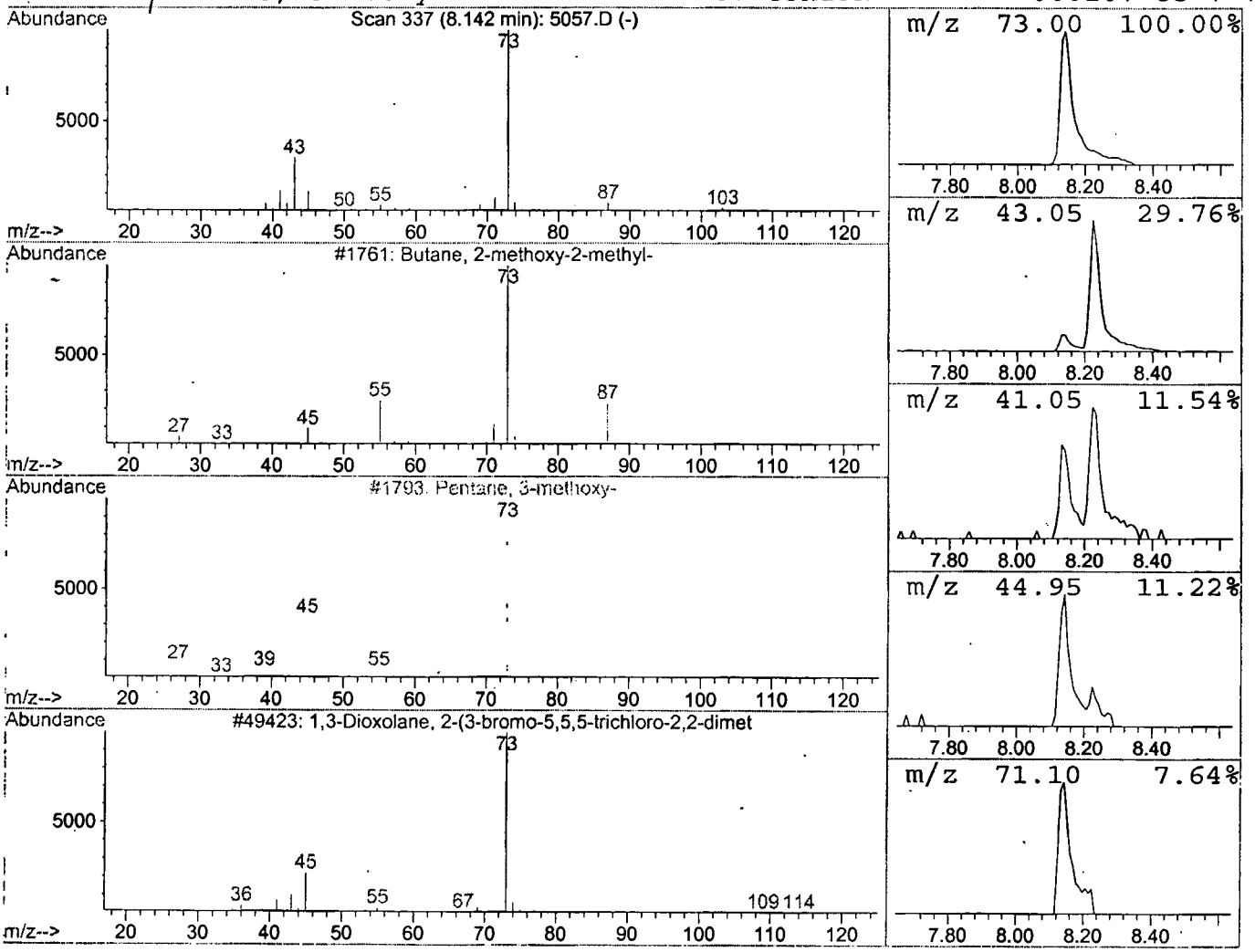
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.14 | 0.62 ug/l | 82749 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 33 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 28 |
| 3 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-tri | 352 | C10H16BrCl3O2 | 000000-00-0 | 9 |
| 4 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 7 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR3002\5057.D  Vial: 33
Acq On : 31 Mar 2002 12:42 am  Operator:
Sample : gc/ms scan 3/8 fb  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

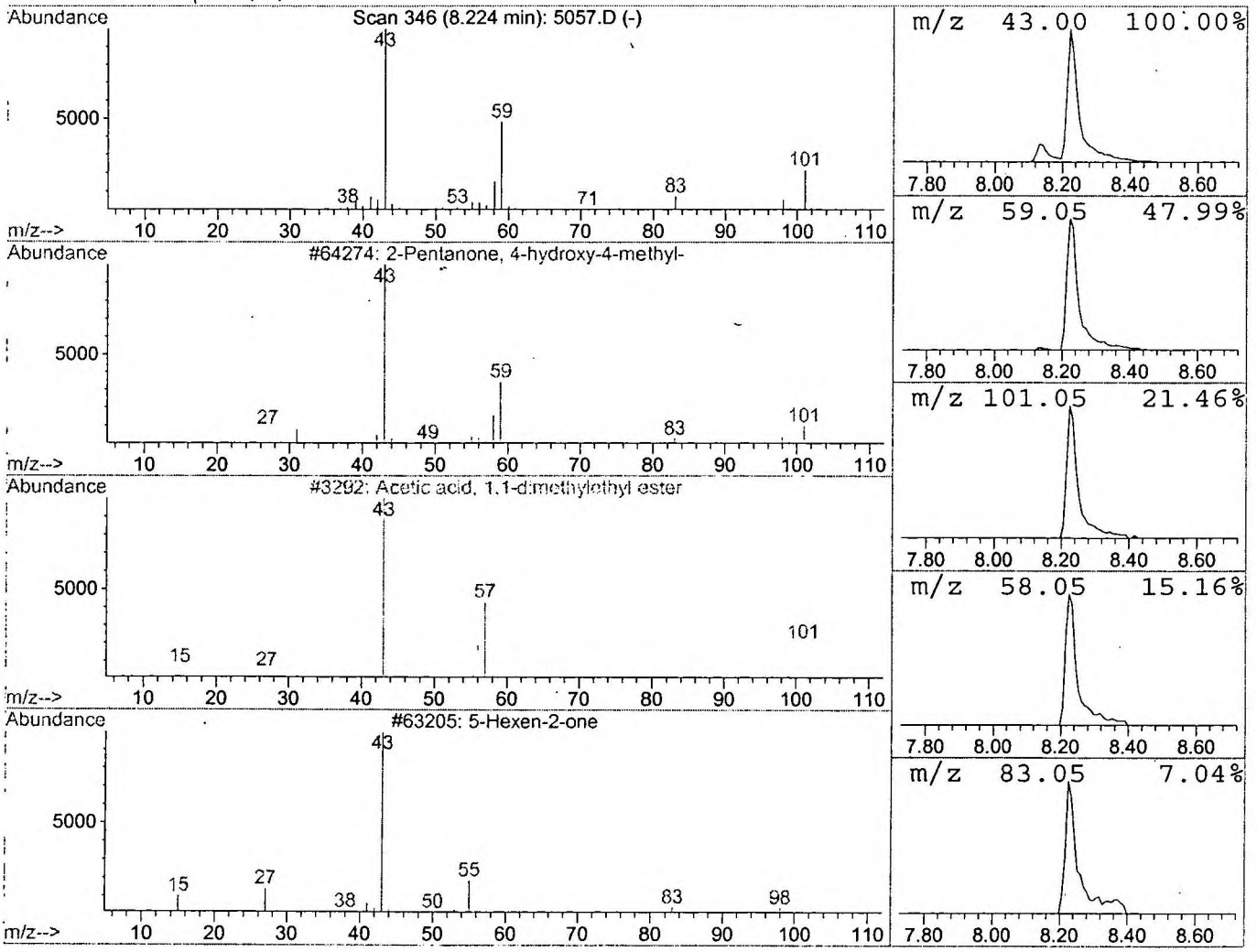
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.22 | 1.64 ug/l | 220522 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 28 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 12 |
| 4 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 10 |



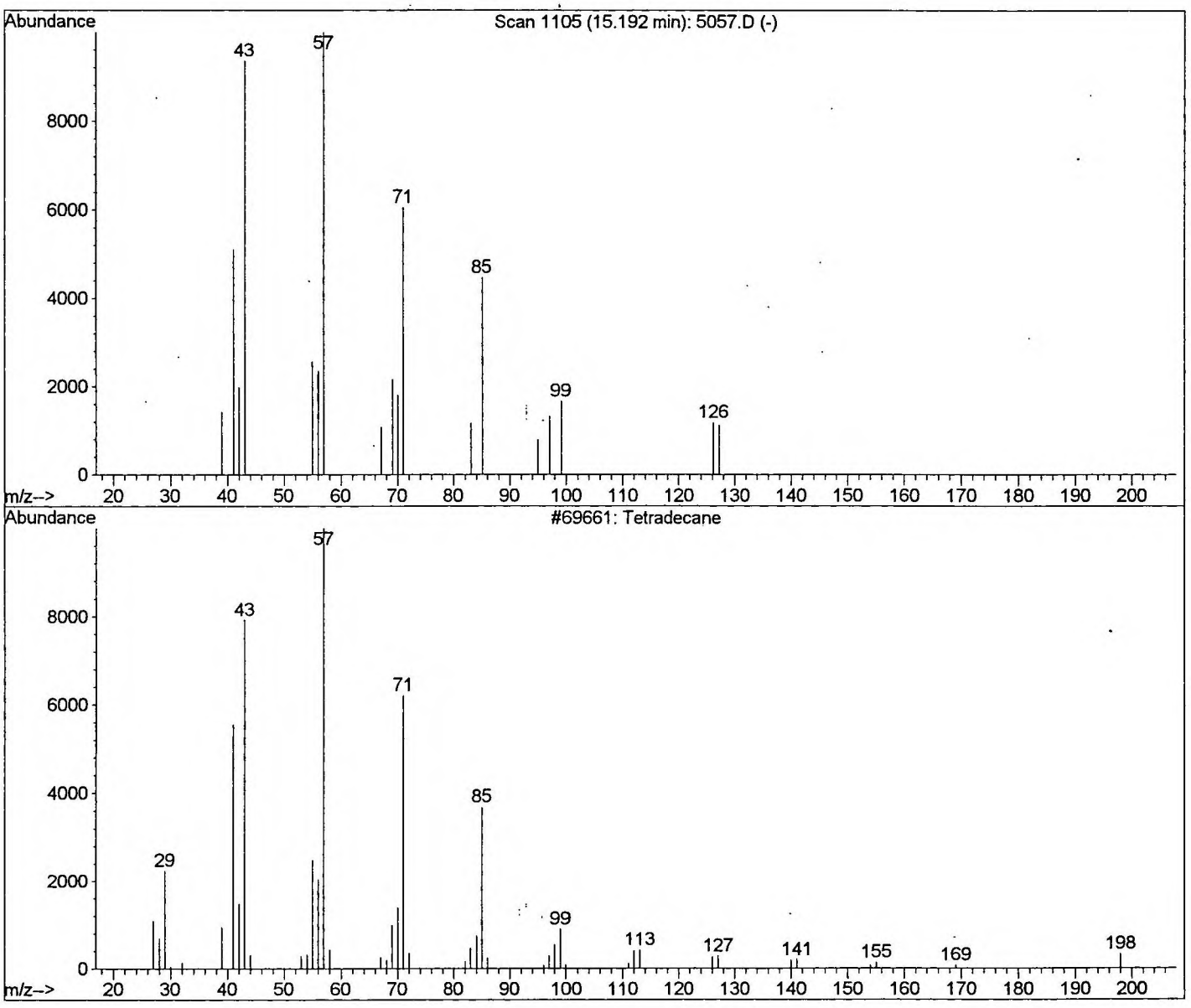
# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 31 Mar 2002 12:42 am
Data File: C:\HPCHEM\1\DATA\MAR3002\5057.D
Name: gc/ms scan 3/8 fb
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

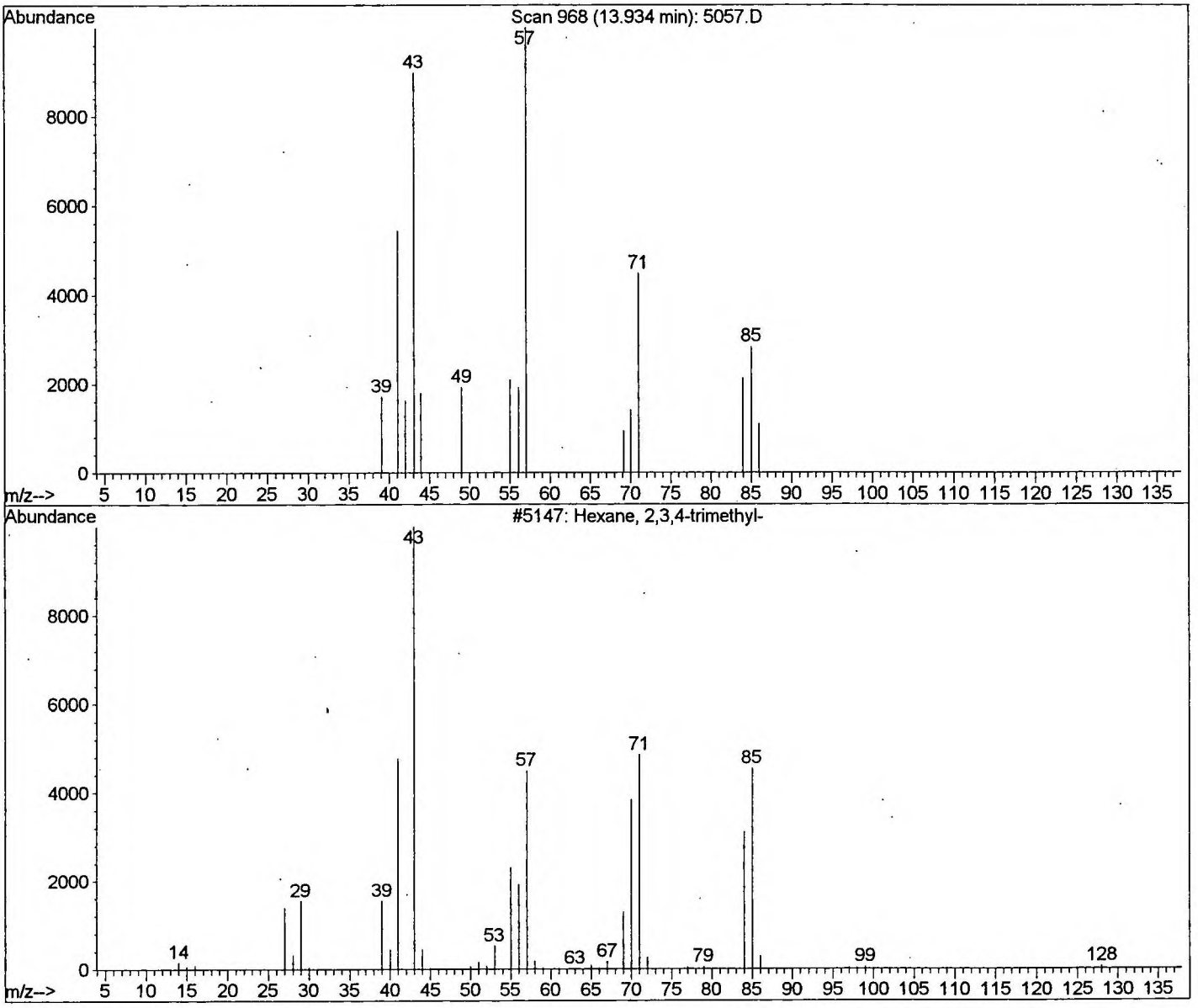
| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| 3-Penten-2-one, 4-me | 7.18 | 0.3 | ug/l | 45368 | ISTD01 | 12.25 | 2689510 | 20.0 |
| Butane, 2-methoxy-2- | 8.14 | 0.6 | ug/l | 82749 | ISTD01 | 12.25 | 2689510 | 20.0 |
| 2-Pentanone, 4-hydro | 8.22 | 1.6 | ug/l | 220522 | ISTD01 | 12.25 | 2689510 | 20.0 |

5057.D GCMS0308.M Tue Apr 02 15:35:07 2002

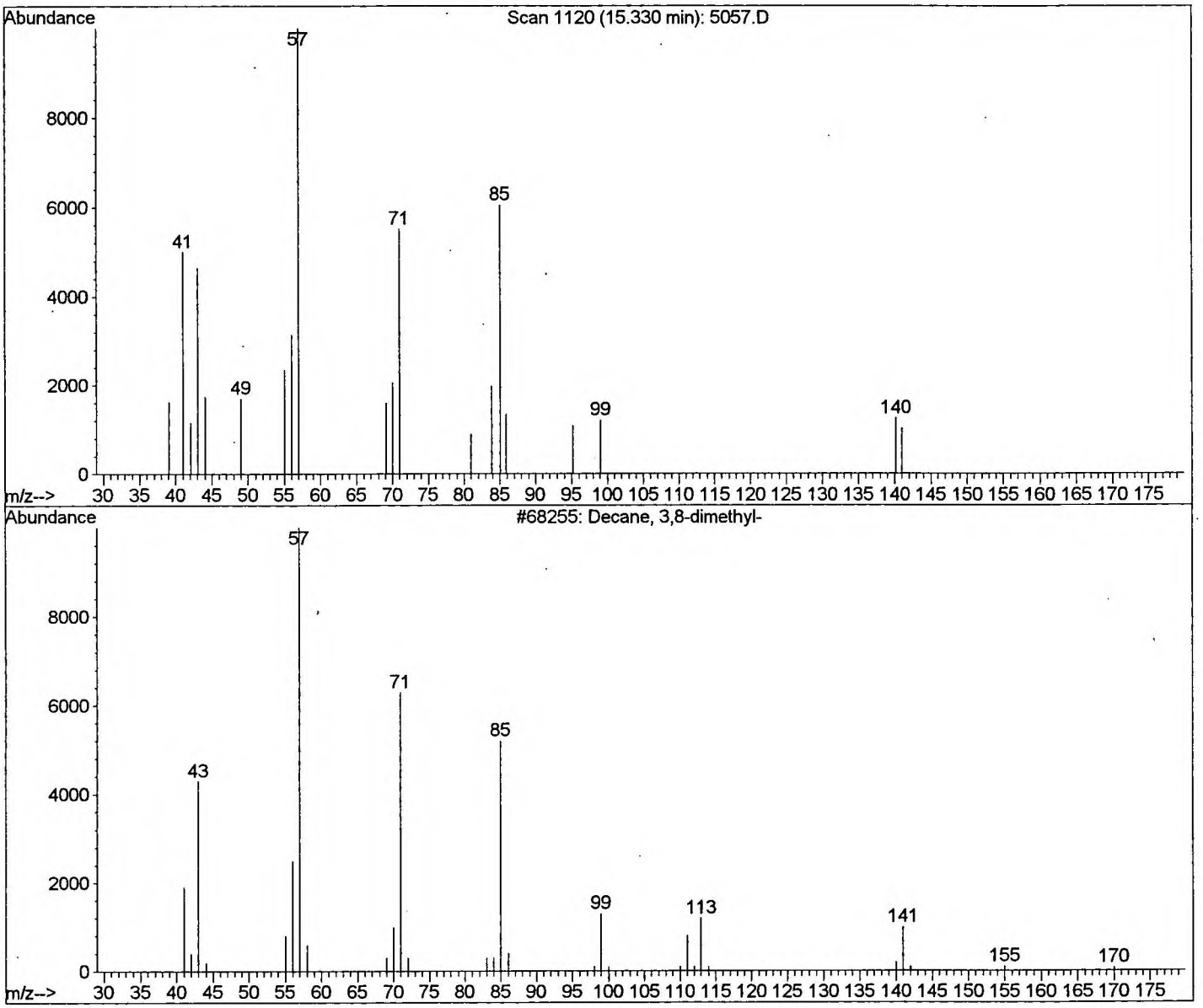
Library Searched : C:\DATABASE\nbs75k.l
Quality : 64
ID : Tetradecane



Library Searched : C:\DATABASE\nbs75k.l
Quality : 25
ID : Hexane, 2,3,4-trimethyl-



Library Searched : C:\DATABASE\nbs75k.l
Quality : 47
ID : Decane, 3,8-dimethyl-



Library Searched : C:\DATABASE\nbs75k.l
Quality : 53
ID : Eicosane