User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/29/2001 Time: 11:49:09

Sample: AD24052
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/29/01 11:48 Ended: 10/29/01 11:48 Analyst: MG
Page: 1

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

**Comments for Sample AD24052 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 10-29-2001 Time: 11:49:15

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\OCT2501\24052.D Vial: 13
Acq On : 26 Oct 2001 12:25 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 9:53 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.74 | 152 | 706001 | 20.00 ug/l | -0.02 |
| 19) Naphthalene-d8 | 15.35 | 136 | 2914517 | 20.00 ug/l | -0.02 |
| 31) Acenaphthene-d10 | 20.64 | 164 | 1449151 | 20.00 ug/l | 0.00 |
| 49) Phenanthrene-d10 | 25.06 | 188 | 2119221 | 20.00 ug/l | 0.00 |
| 59) Chrysene-d12 | 33.10 | 240 | 1205962 | 20.00 ug/l | 0.00 |
| 68) Perylene-d12 | 37.21 | 264 | 811189 | 20.00 ug/l | 0.01 |
| **System Monitoring Compounds** | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 6) 2-Chlorophenol-d4 | 11.74 | 132 | 523 | 0.01 ug/l | 0.48 |
| Spiked Amount 75.000 | | | Recovery = | 0.01% | |
| 7) 1,2-Dichlorobenzene-d4 | 11.92 | 152 | 1517 | 0.03 ug/l | -0.35 |
| Spiked Amount 50.000 | | | Recovery = | 0.06% | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | |
| 32) 2-Fluorobiphenyl | 18.77 | 172 | 3546 | 0.03 ug/l | 0.12 |
| Spiked Amount 50.000 | | | Recovery = | 0.06% | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | |
| 3) N-nitroso-dimethyl amine | 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 | 0.00 | 45 | 0 | N.D. | |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | |
| 17) N-Nitroso-di-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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D Vial: 13
Acq On : 26 Oct 2001 12:25 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 9:53 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 23) | 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | |
| 24) | 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | |
| 25) | bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | |
| 26) | 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | |
| 27) | 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | |
| 28) | Naphthalene | 0.00 | 128 | 0 | N.D. | |
| 29) | Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | |
| 30) | 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | |
| 34) | Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | |
| 35) | 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 36) | 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 37) | 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | |
| 38) | Dimethylphthalate | 0.00 | 163 | 0 | N.D. | |
| 39) | 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | d |
| 40) | Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 41) | Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 42) | 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 43) | 4-Nitrophenol | 21.09 | 65 | 205 | N.D. | |
| 44) | 2,4-Dinitrotoluene | 21.02 | 165 | 102 | N.D. | |
| 45) | Diethylphthalate | 22.14 | 149 | 1821 | N.D. | |
| 46) | 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 47) | Fluorene | 0.00 | 166 | 0 | N.D. | |
| 48) | Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 50) | 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 51) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 52) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 53) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 54) | Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 55) | Phenanthrene | 25.07 | 178 | 700 | N.D. | |
| 56) | Anthracene | 25.07 | 178 | 700 | N.D. | |
| 57) | Di-n-butylphthalate | 27.06 | 149 | 7987 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |
| 61) | Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 65) | Benzo(a)anthracene | 33.10 | 228 | 2965 | N.D. | |
| 66) | Bis(2-ethylhexyl)phthalate | 33.37 | 149 | 5214 | N.D. | |
| 67) | Chrysene | 33.10 | 228 | 2965 | N.D. | |
| 69) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D Vial: 13
Acq On : 26 Oct 2001 12:25 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 26 9:53 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 71) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) Benzo(a)pyrene | 37.22 | 252 | 3208 | N.D. | |
| 73) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 74) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 75) Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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

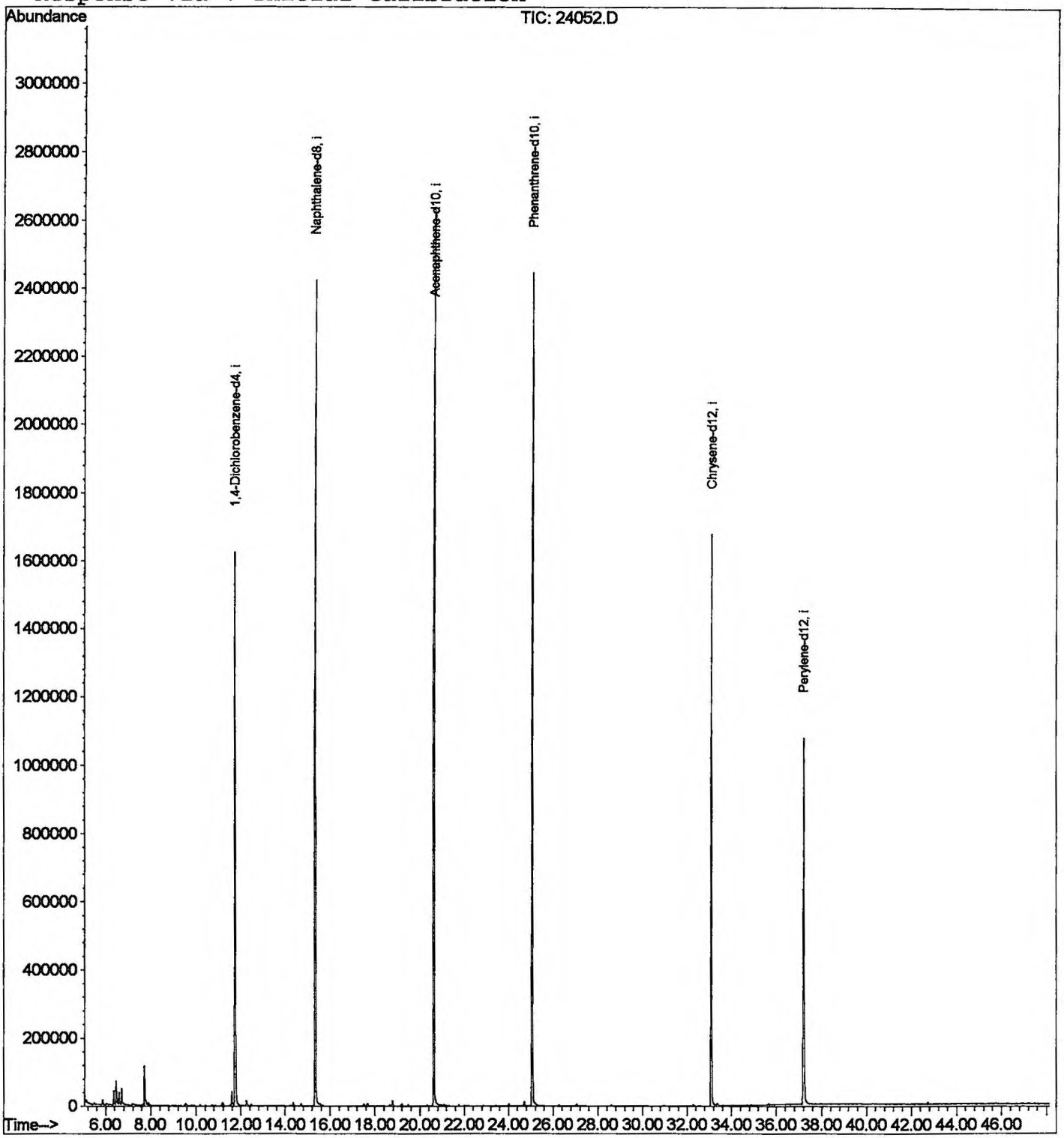
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Acq On : 26 Oct 2001 12:25 am
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 26 9:53 2001

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Results File: NP101901.RES

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D  Vial: 13
Acq On : 26 Oct 2001 12:25 am  Operator: 209 GALOS
Sample : gc/ms unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP101901.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

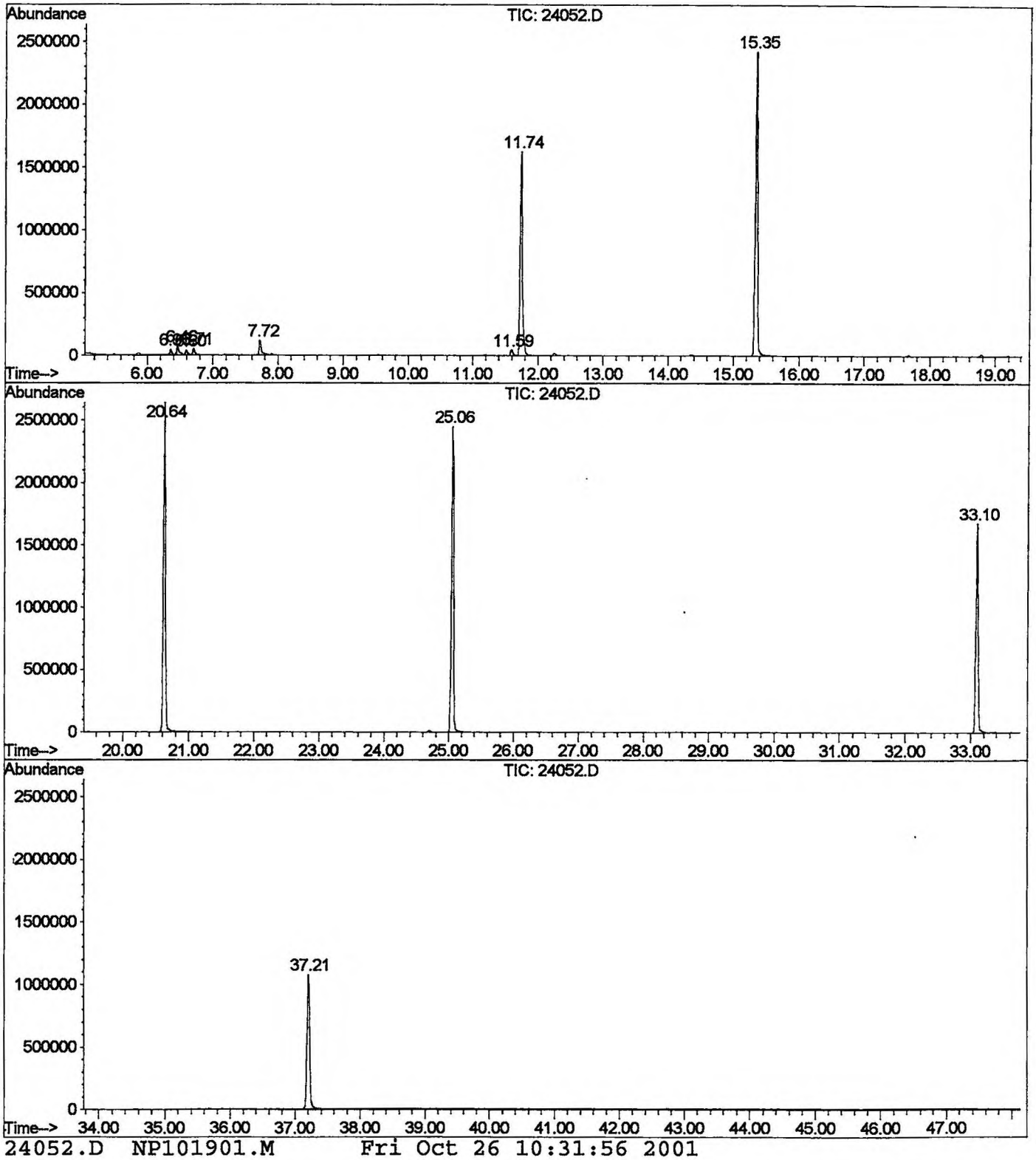
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.360 | 138 | 143 | 149 | rBV | 42904 | 88529 | 1.54% | 0.314% |
| 2 | 6.461 | 150 | 154 | 164 | rVV | 71034 | 170551 | 2.97% | 0.605% |
| 3 | 6.599 | 165 | 169 | 177 | rVV | 34732 | 75189 | 1.31% | 0.267% |
| 4 | 6.709 | 177 | 181 | 189 | rVB | 47498 | 97077 | 1.69% | 0.345% |
| 5 | 7.719 | 288 | 291 | 308 | rBV | 115923 | 293564 | 5.11% | 1.042% |
| 6 | 11.593 | 708 | 713 | 723 | rBV | 43849 | 104331 | 1.81% | 0.370% |
| 7 | 11.740 | 723 | 729 | 741 | rBV | 1624855 | 3812148 | 66.31% | 13.531% |
| 8 | 15.348 | 1115 | 1122 | 1139 | rBV | 2425113 | 5369282 | 93.39% | 19.059% |
| 9 | 20.635 | 1690 | 1698 | 1714 | rBV | 2638442 | 5749380 | 100.00% | 20.408% |
| 10 | 25.060 | 2173 | 2180 | 2191 | rBV2 | 2446510 | 5452956 | 94.84% | 19.356% |
| 11 | 33.102 | 3048 | 3056 | 3072 | rBV2 | 1679229 | 3893126 | 67.71% | 13.819% |
| 12 | 37.206 | 3494 | 3503 | 3520 | rBV2 | 1073799 | 3066434 | 53.34% | 10.884% |

Sum of corrected areas: 28172567

24052.D NP101901.M Fri Oct 26 10:31:53 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Operator : 209 GALOS
Acquired : 26 Oct 2001 12:25 am using AcqMethod NP101901
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 13
Quant File :NP101901.RES (RTE Integrator)




24052.D NP101901.M Fri Oct 26 10:31:56 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Acq On : 26 Oct 2001 12:25 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

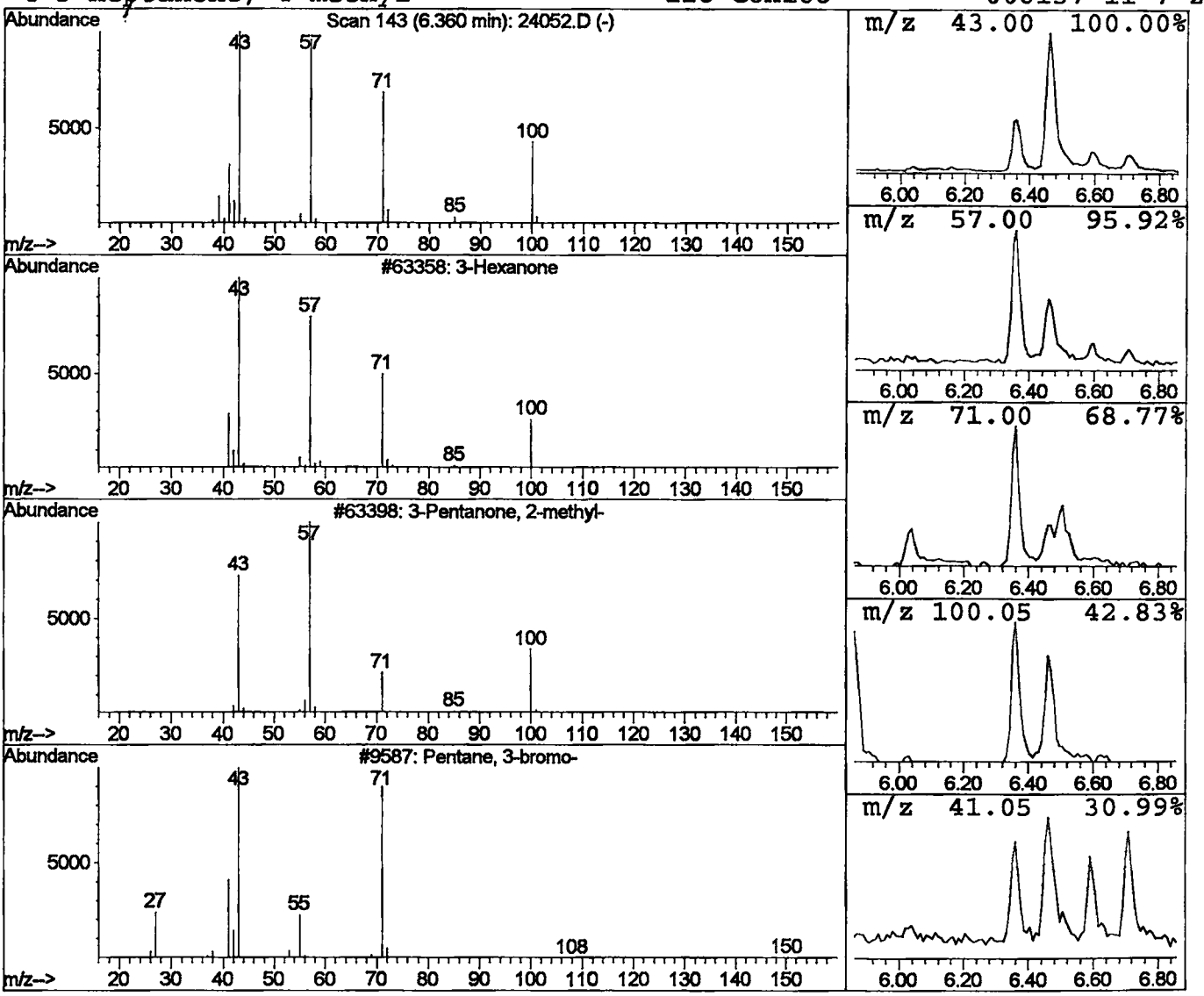
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 3-Hexanone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.36 | 0.46 ug/l | 88529 | 1,4-Dichlorobenzene-d4 | 11.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 72 |
| 2 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 40 |
| 3 | Pentane, 3-bromo- | 150 | C5H11Br | 001809-10-5 | 32 |
| 4 | 3-Heptanone, 4-methyl- | 128 | C8H16O | 006137-11-7 | 28 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Acq On : 26 Oct 2001 12:25 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

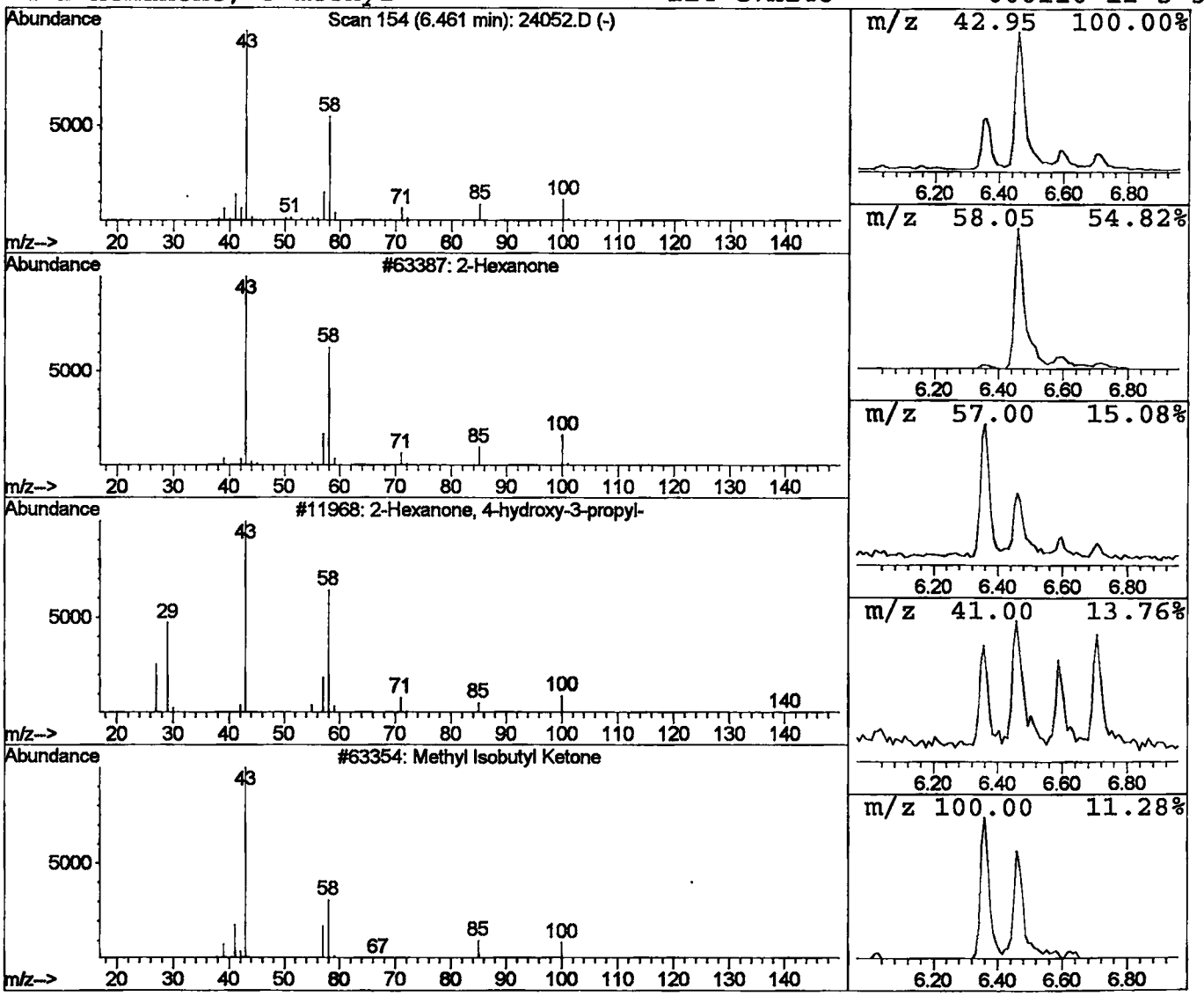
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Hexanone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.46 | 0.89 ug/l | 170551 | 1,4-Dichlorobenzene-d4 | 11.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 91 |
| 2 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 83 |
| 3 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 52 |
| 4 | 2-Hexanone, 5-methyl- | 114 | C7H14O | 000110-12-3 | 38 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Acq On : 26 Oct 2001 12:25 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

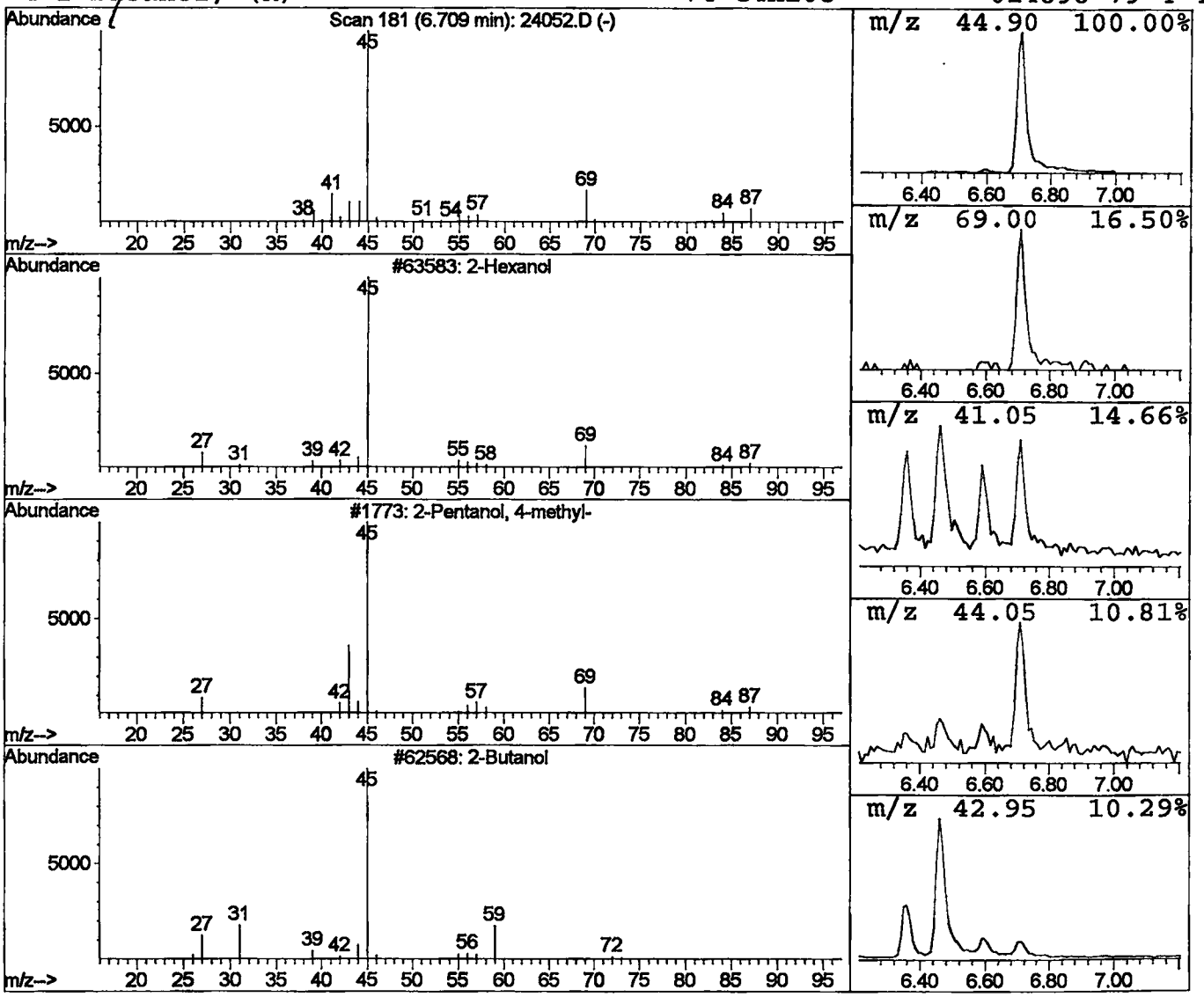
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Hexanol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.71 | 0.51 ug/l | 97077 | 1,4-Dichlorobenzene-d4 | 11.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol | 102 | C6H14O | 000626-93-7 | 78 |
| 2 | 2-Pentanol, 4-methyl- | 102 | C6H14O | 000108-11-2 | 64 |
| 3 | 2-Butanol | 74 | C4H10O | 000078-92-2 | 45 |
| 4 | 2-Butanol, (R)- | 74 | C4H10O | 014898-79-4 | 45 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Acq On : 26 Oct 2001 12:25 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

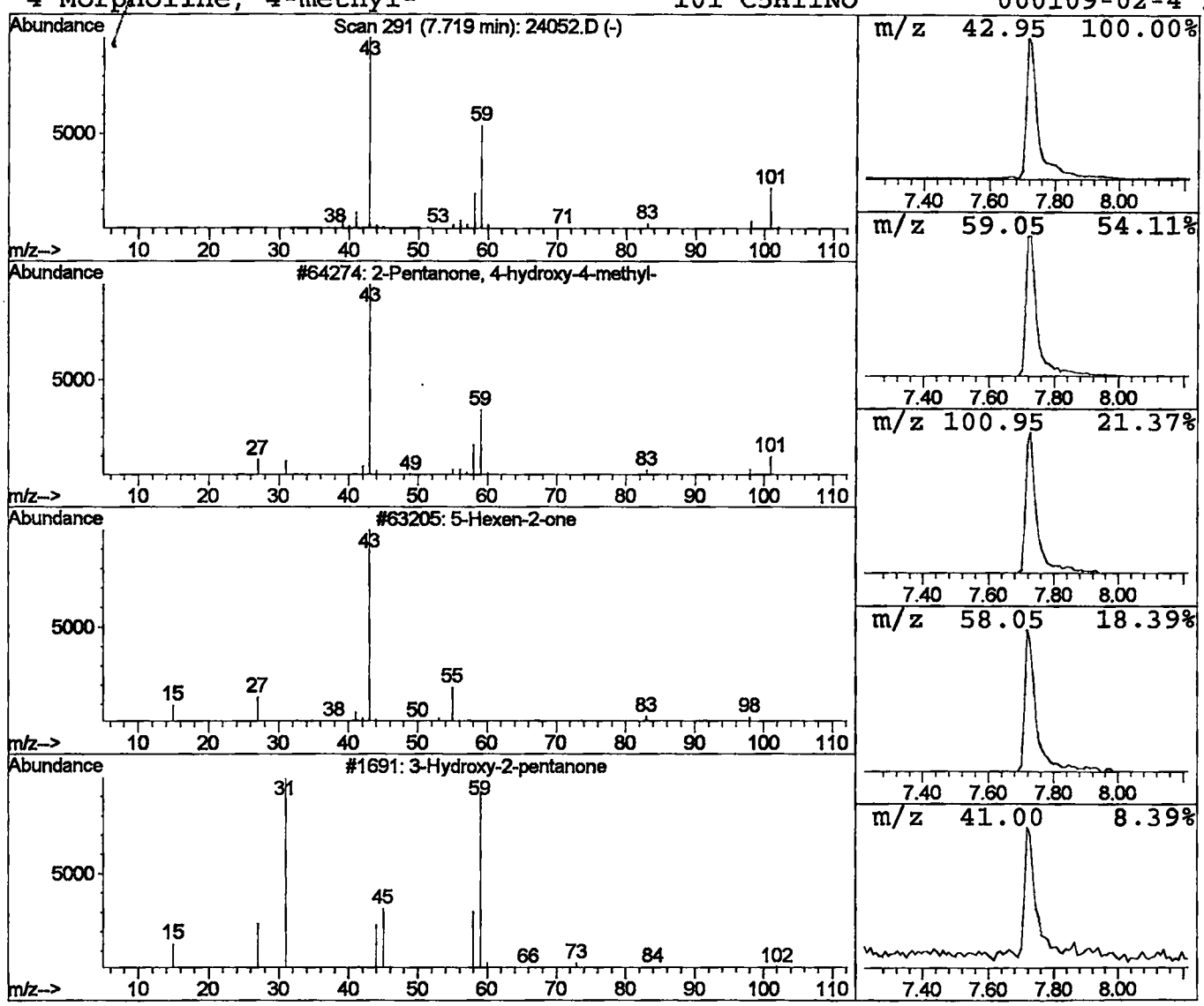
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.72 | 1.54 ug/l | 293564 | 1,4-Dichlorobenzene-d4 | 11.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 33 |
| 2 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 3 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24052.D
Acq On : 26 Oct 2001 12:25 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

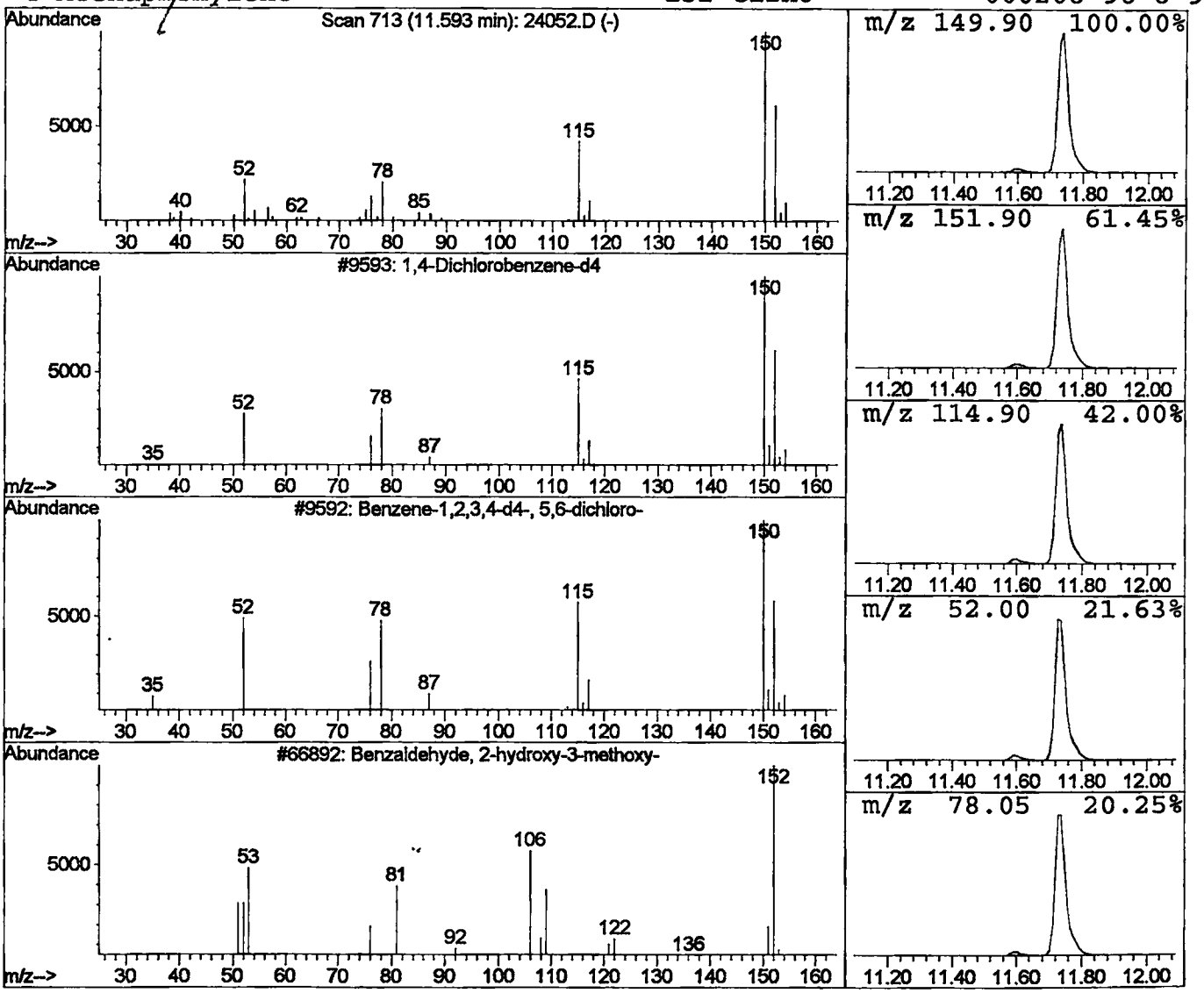
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 1,4-Dichlorobenzene-d4 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.59 | 0.55 ug/l | 104331 | 1,4-Dichlorobenzene-d4 | 11.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 95 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 50 |
| 3 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 25 |
| 4 | Acenaphthylene | 152 | C12H8 | 000208-96-8 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 26 Oct 2001 12:25 am
Data File: C:\HPCHEM\1\DATA\OCT2501\24052.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP101901.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-Hexanone | 6.36 | 0.5 | ug/l | 88529 | ISTD01 | 11.74 | 3812150 | 20.0 |
| 2-Hexanone | 6.46 | 0.9 | ug/l | 170551 | ISTD01 | 11.74 | 3812150 | 20.0 |
| 2-Hexanol | 6.71 | 0.5 | ug/l | 97077 | ISTD01 | 11.74 | 3812150 | 20.0 |
| 2-Pentanone, 4-hydro | 7.72 | 1.5 | ug/l | 293564 | ISTD01 | 11.74 | 3812150 | 20.0 |
| 1,4-Dichlorobenzene- | 11.59 | 0.5 | ug/l | 104331 | ISTD01 | 11.74 | 3812150 | 20.0 |

24052.D NP101901.M Fri Oct 26 10:32:42 2001