User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/19/2001 Time: 13:03:32

Sample: AD27391
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/19/01 13:03 Ended: 12/19/01 13:03 Analyst: MG
Page: 1

| | Component Name | Viol | Result | MDL |
|---|---|---|---|---|
| 1 | Other unknown compounds | | see comment | |
| 2 | Surr_2,4-DDD | | | 5.0 |

**Comments for Sample AD27391 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-19-2001 Time: 13:03:38

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\DEC1301\27391.D Vial: 14
Acq On : 13 Dec 2001 10:11 pm Operator: GALOS
Sample : gcms unknown 11/14 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:11 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 | 11.86 | 152 | 1070002 | 20.00 | ng/uL | -0.07 |
| 19) Naphthalene-d8 | 15.48 | 136 | 4270628 | 20.00 | ng/uL | -0.07 |
| 31) Acenaphthene-d10 | 20.74 | 164 | 1858962 | 20.00 | ng/uL | -0.08 |
| 49) Phenanthrene-d10 | 25.15 | 188 | 2733414 | 20.00 | ng/uL | -0.09 |
| 59) Chrysene-d12 | 33.15 | 240 | 1754864 | 20.00 | ng/uL | -0.10 |
| 68) Perylene-d12 | 37.24 | 264 | 1247458 | 20.00 | ng/uL | -0.10 |
| **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 | 11.86 | 132 | 768 | 0.01 | ng/uL | 0.44 |
| Spiked Amount 75.000 | Range 34 - 84 | | Recovery = | 0.01%# | | |
| 7) 1,2-Dichlorobenzene-d4 | 0.00 | 152 | 0 | 0.00 | ng/uL | |
| 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 | 2111 | 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 | 0.00 | 45 | 0 | N.D. | | |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\27391.D Vial: 14
Acq On : 13 Dec 2001 10:11 pm Operator: GALOS
Sample : gcms unknown 11/14 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:11 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

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 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. | |
| 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 | 15.53 | 128 | 919 | 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 | 0.00 | 65 | 0 | N.D. | |
| 44) | 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 45) | Diethylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | 4-Chlorophenylphenylether | 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 | 169 | 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 | 0.00 | 178 | 0 | N.D. | |
| 56) | Anthracene | 0.00 | 178 | 0 | N.D. | |
| 57) | Di-n-butylphthalate | 27.14 | 149 | 5349 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\27391.D Vial: 14
Acq On : 13 Dec 2001 10:11 pm Operator: GALOS
Sample : gcms unknown 11/14 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:11 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

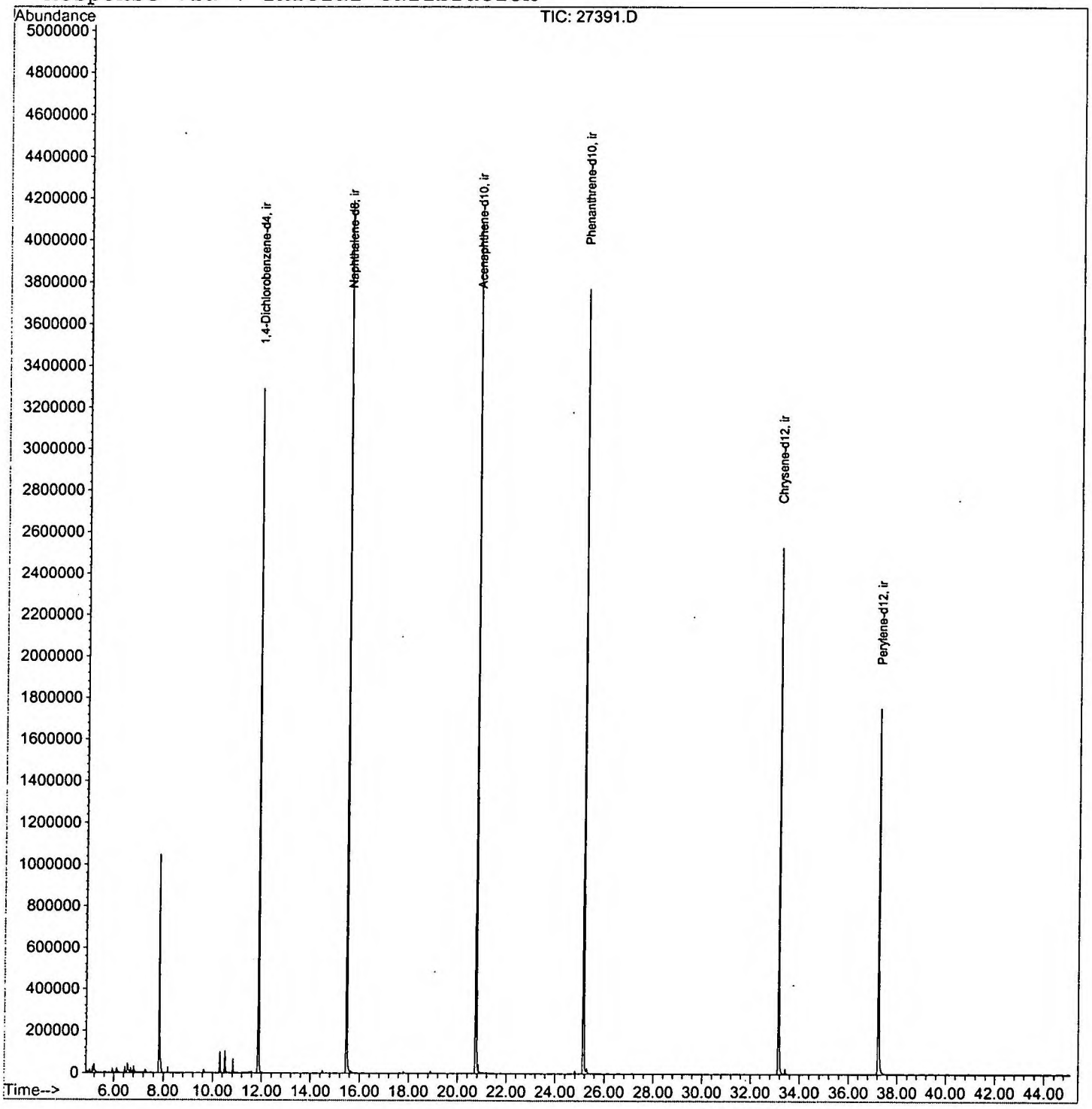
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 61) | Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 65) | Benzo(a)anthracene | 33.15 | 228 | 3593 | N.D. | |
| 66) | Bis(2-ethylhexyl)phthalate | 33.42 | 149 | 21374 | N.D. | |
| 67) | Chrysene | 33.15 | 228 | 3593 | N.D. | |
| 69) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 71) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) | Benzo(a)pyrene | 37.24 | 252 | 4549 | 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\DEC1301\27391.D Vial: 14
Acq On : 13 Dec 2001 10:11 pm Operator: GALOS
Sample : gcms unknown 11/14 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:11 2001 Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Fri Dec 14 09:15:17 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27391.D  Vial: 14
Acq On : 13 Dec 2001 10:11 pm  Operator: GALOS
Sample : gcms unknown 11/14  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

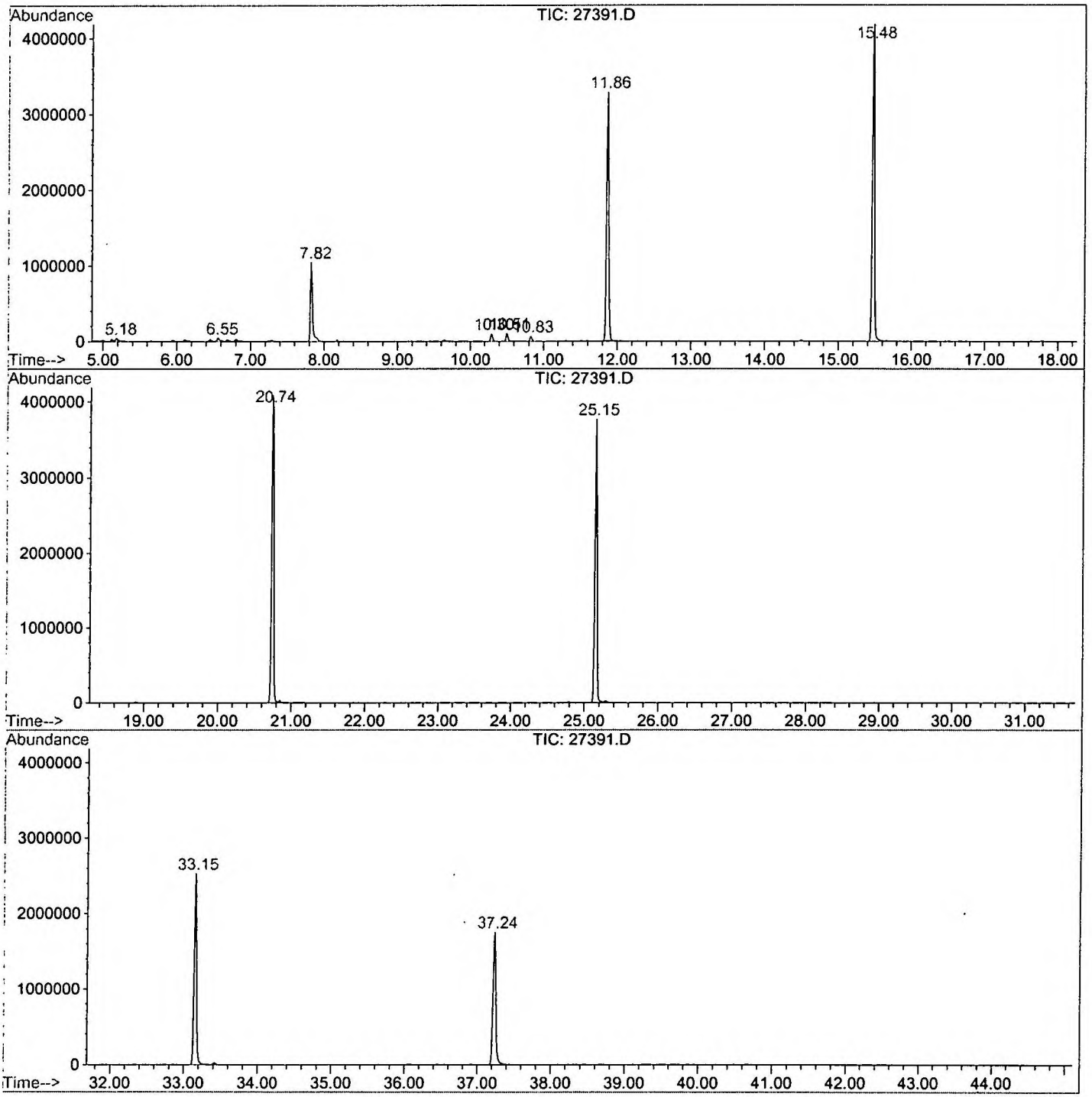
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.179 | 35 | 37 | 55 | rVB | 43376 | 121063 | 1.41% | 0.273% |
| 2 | 6.554 | 184 | 187 | 198 | rVV2 | 45781 | 124621 | 1.45% | 0.281% |
| 3 | 7.820 | 321 | 325 | 345 | rVB | 1048887 | 2085788 | 24.25% | 4.700% |
| 4 | 10.296 | 590 | 595 | 602 | rVB | 100918 | 192160 | 2.23% | 0.433% |
| 5 | 10.507 | 613 | 618 | 623 | rBV | 105335 | 202838 | 2.36% | 0.457% |
| 6 | 10.828 | 649 | 653 | 661 | rBV | 67932 | 124303 | 1.45% | 0.280% |
| 7 | 11.864 | 761 | 766 | 778 | rVB | 3286643 | 6606075 | 76.81% | 14.886% |
| 8 | 15.477 | 1154 | 1160 | 1177 | rBV | 4186963 | 8600730 | 100.00% | 19.381% |
| 9 | 20.741 | 1728 | 1734 | 1745 | rBV | 4085532 | 8361239 | 97.22% | 18.841% |
| 10 | 25.151 | 2208 | 2215 | 2227 | rBV2 | 3768703 | 7651829 | 88.97% | 17.243% |
| 11 | 33.148 | 3081 | 3087 | 3105 | rBV2 | 2529709 | 5655570 | 65.76% | 12.744% |
| 12 | 37.238 | 3524 | 3533 | 3552 | rBV | 1752921 | 4650516 | 54.07% | 10.480% |

Sum of corrected areas: 44376732

27391.D NP112701.M Fri Dec 14 12:38:51 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1301\27391.D
Operator : GALOS
Acquired : 13 Dec 2001 10:11 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/14
Misc Info :
Vial Number: 14
Quant File :NP112701.RES (RTE Integrator)




27391.D NP112701.M Fri Dec 14 12:38:53 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27391.D
Acq On : 13 Dec 2001 10:11 pm
Sample : gcms unknown 11/14
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

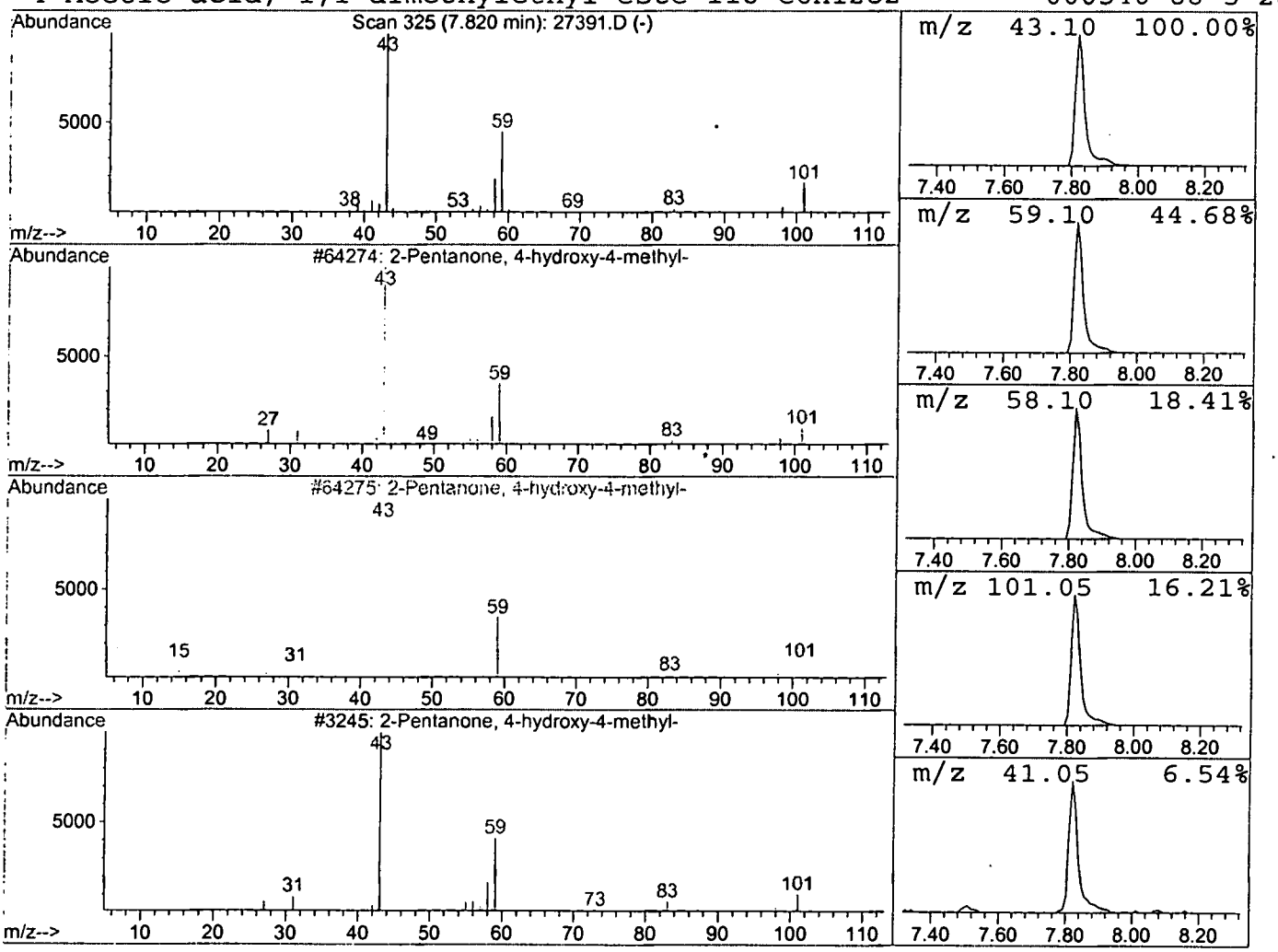
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.82 | 6.31 ng/uL | 2085790 | 1,4-Dichlorobenzene-d4 | 11.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 83 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 43 |
| 4 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 28 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27391.D
Acq On : 13 Dec 2001 10:11 pm
Sample : gcms unknown 11/14
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

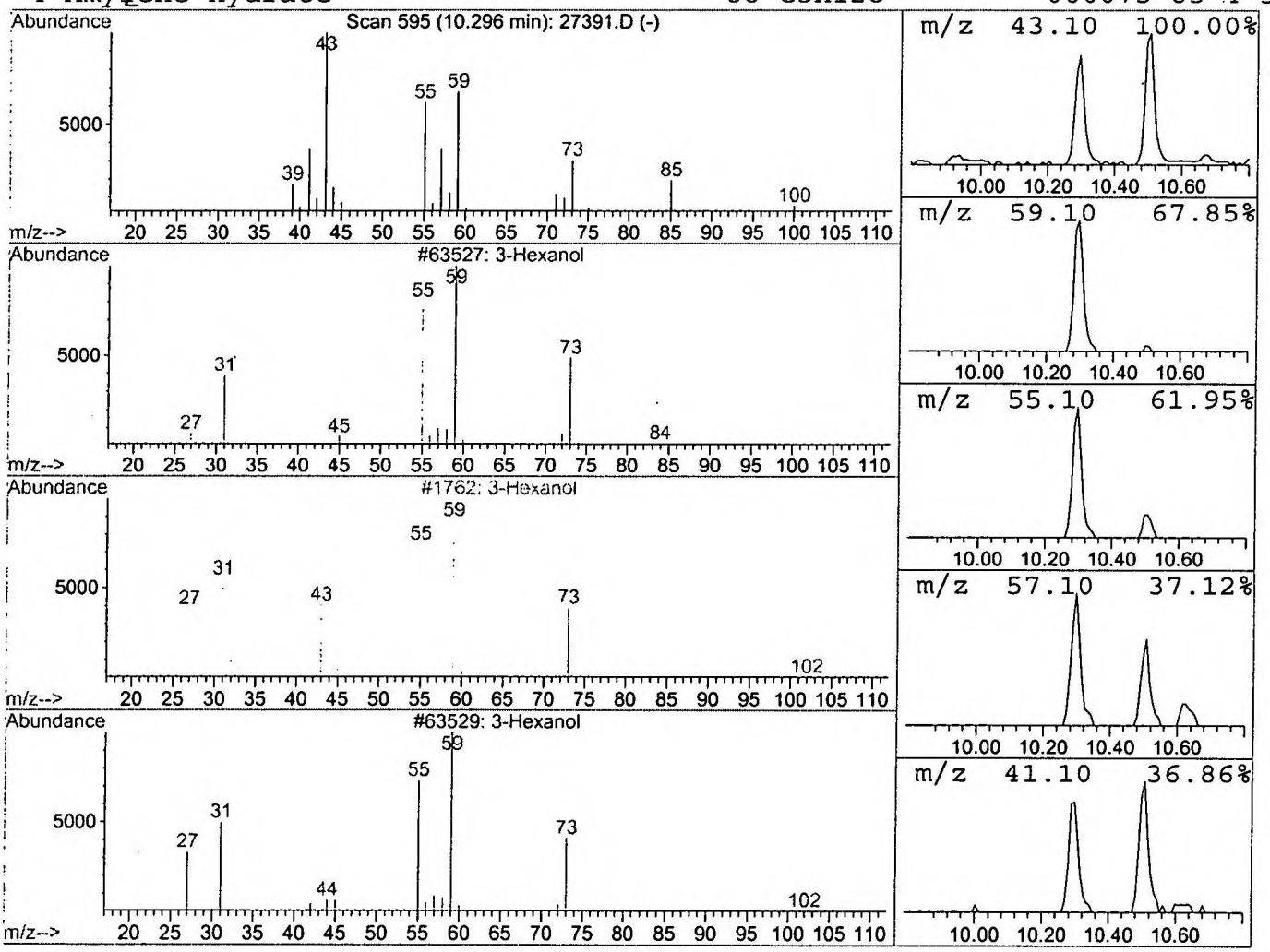
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 3-Hexanol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.30 | 0.58 ng/uL | 192160 | 1,4-Dichlorobenzene-d4 | 11.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 40 |
| 2 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 38 |
| 3 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 38 |
| 4 | Amylene Hydrate | 88 | C5H12O | 000075-85-4 | 37 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27391.D
Acq On : 13 Dec 2001 10:11 pm
Sample : gcms unknown 11/14
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

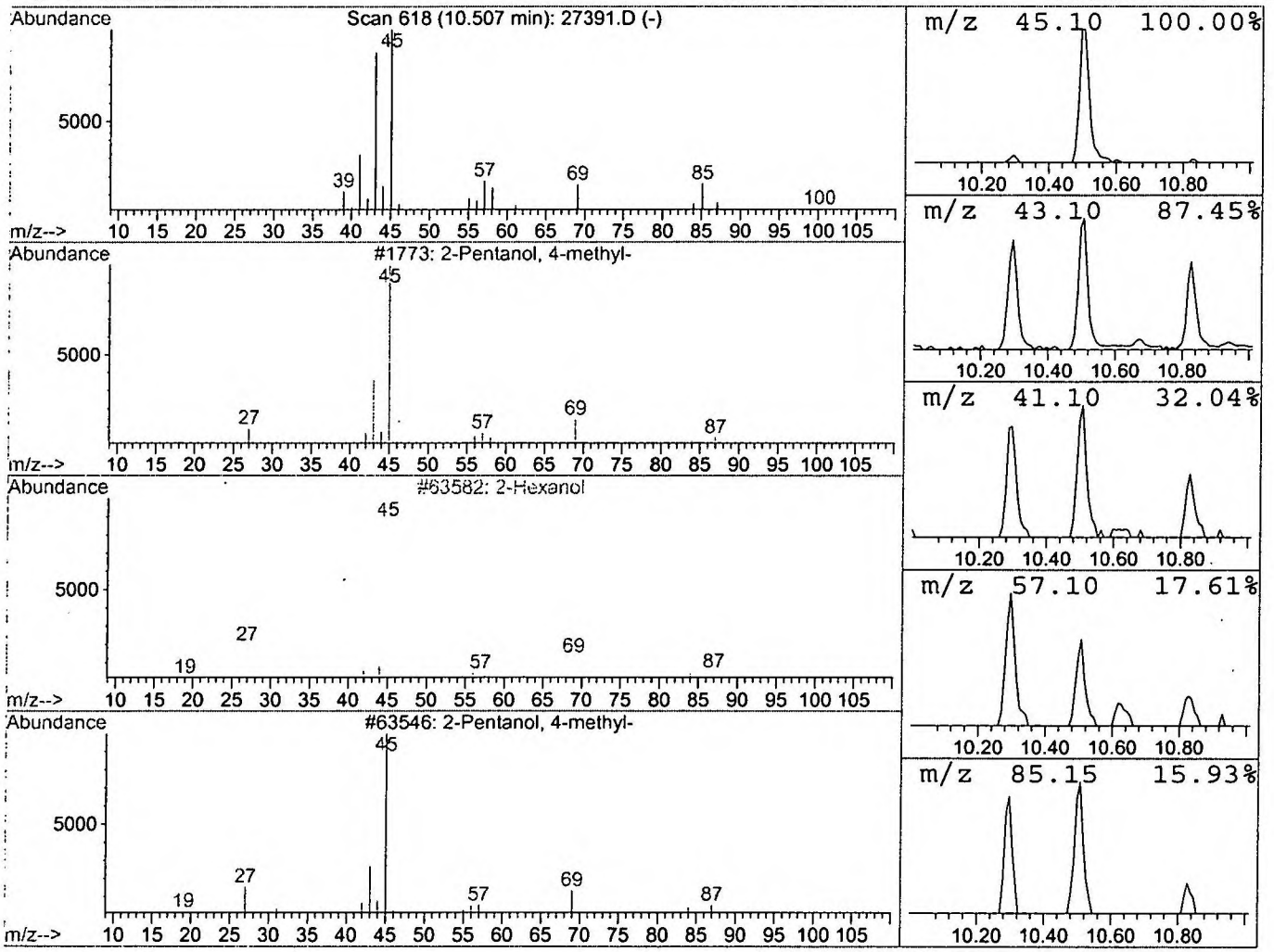
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Pentanol, 4-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.51 | 0.61 ng/uL | 202838 | 1,4-Dichlorobenzene-d4 | 11.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanol, 4-methyl- | 102 | C6H14O | 000108-11-2 | 56 |
| 2 | 2-Hexanol | 102 | C6H14O | 000626-93-7 | 50 |
| 3 | 2-Pentanol, 4-methyl- | 102 | C6H14O | 000108-11-2 | 50 |
| 4 | 2-Octanol | 130 | C8H18O | 000123-96-6 | 50 |



# Tentatively Identified Compound (LSC) summary

Operator ID: GALOS  Date Acquired: 13 Dec 2001  10:11 pm
Data File: C:\HPCHEM\1\DATA\DEC1301\27391.D
Name: gcms unknown 11/14
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 |
|---|---|---|---|---|---|---|---|---|
| 2-Pentanone, 4-hydro | 7.82 | 6.3 | ng/uL | 2085790 | ISTD01 | 11.86 | 6606080 | 20.0 |
| 3-Hexanol | 10.30 | 0.6 | ng/uL | 192160 | ISTD01 | 11.86 | 6606080 | 20.0 |
| 2-Pentanol, 4-methyl | 10.51 | 0.6 | ng/uL | 202838 | ISTD01 | 11.86 | 6606080 | 20.0 |

27391.D  NP112701.M  Fri Dec 14 12:39:02 2001