User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/19/2001 Time: 15:08:12

Sample: AD24699
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/19/01 15:07 Ended: 11/19/01 15:07 Analyst: MG
Page: 1

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

**Comments for Sample AD24699 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-19-2001 Time: 15:08:16

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\NOV0501\24699.D Vial: 18
Acq On : 6 Nov 2001 4:32 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 5:21 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.71 | 152 | 618672 | 20.00 | ug/l | -0.01 |
| 19) Naphthalene-d8 | 15.32 | 136 | 2347883 | 20.00 | ug/l | -0.01 |
| 31) Acenaphthene-d10 | 20.60 | 164 | 1166162 | 20.00 | ug/l | -0.01 |
| 49) Phenanthrene-d10 | 25.02 | 188 | 1739876 | 20.00 | ug/l | -0.01 |
| 59) Chrysene-d12 | 33.06 | 240 | 1195863 | 20.00 | ug/l | -0.01 |
| 68) Perylene-d12 | 37.16 | 264 | 855008 | 20.00 | ug/l | 0.00 |
| **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 | 11.70 | 132 | 382 | 0.01 | ug/l | 0.47 |
| Spiked Amount 75.000 | | | Recovery = | 0.01% | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.24 | 152 | 6713 | 0.24 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = | 0.48% | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.74 | 172 | 2387 | 0.03 | ug/l | 0.13 |
| 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 | 29.93 | 244 | 2938 | 0.04 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = | 0.08% | | |
| **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\NOV0501\24699.D Vial: 18
Acq On : 6 Nov 2001 4:32 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 5:21 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| 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 | 15.38 | 128 | 218 | 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. | |
| 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 | 20.93 | 165 | 181 | N.D. | |
| 45) Diethylphthalate | 0.00 | 149 | 0 | 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 | 25.01 | 178 | 480 | N.D. | |
| 56) Anthracene | 25.01 | 178 | 388 | N.D. | |
| 57) Di-n-butylphthalate | 27.03 | 149 | 2578 | 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 | 33.07 | 228 | 3070 | N.D. | |
| 66) Bis(2-ethylhexyl)phthalate | 33.33 | 149 | 427 | N.D. | |
| 67) Chrysene | 33.07 | 228 | 3070 | 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\NOV0501\24699.D Vial: 18
Acq On : 6 Nov 2001 4:32 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 5:21 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 71) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) | Benzo(a)pyrene | 37.15 | 252 | 3063 | 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. | |

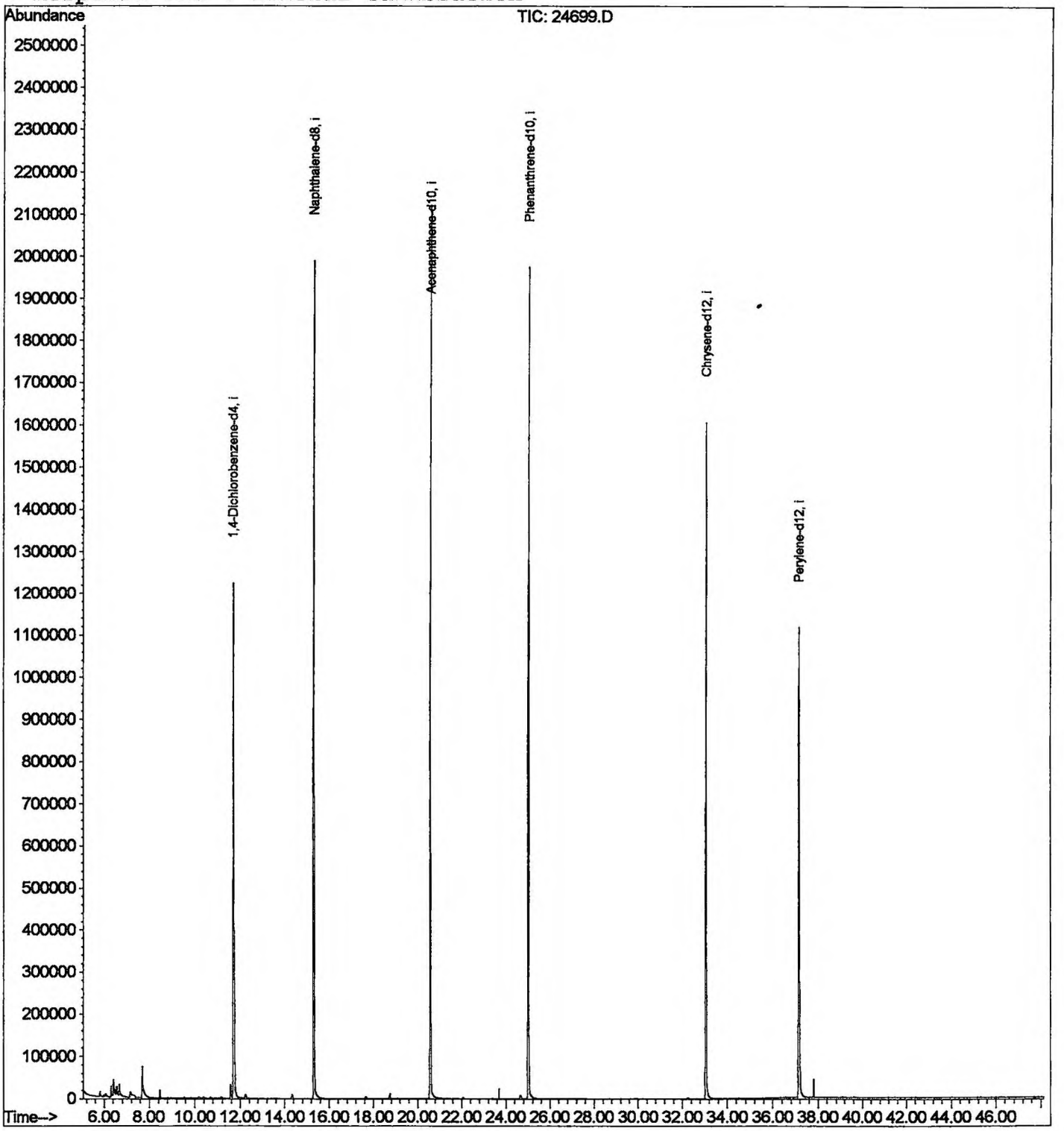
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Acq On : 6 Nov 2001 4:32 am
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 6 5:21 2001

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP103001.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D  Vial: 18
Acq On : 6 Nov 2001 4:32 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\NP103001.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

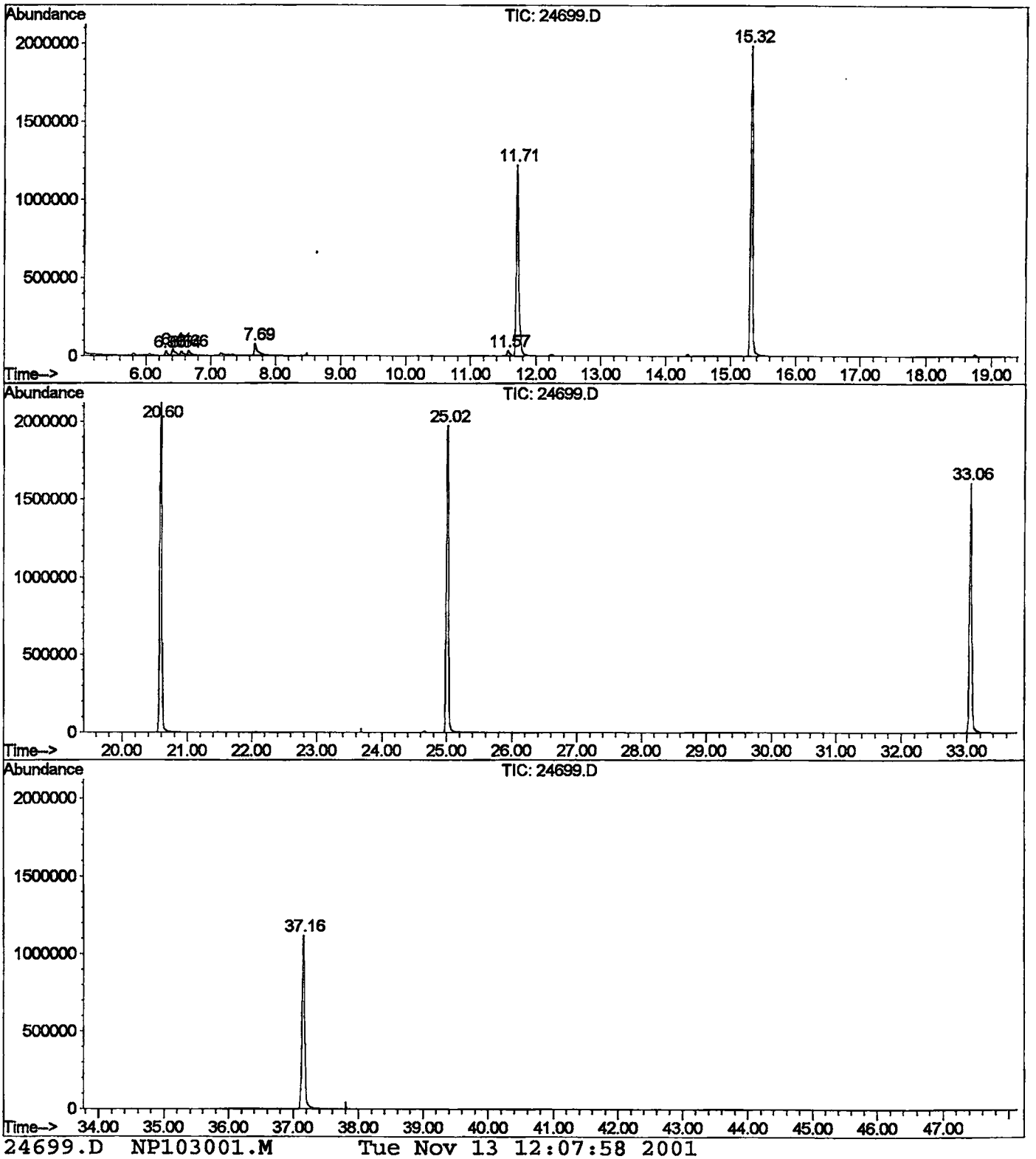
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.305 | 134 | 137 | 143 | rBV | 25922 | 58276 | 1.26% | 0.243% |
| 2 | 6.415 | 145 | 149 | 159 | rVV2 | 41322 | 128763 | 2.79% | 0.537% |
| 3 | 6.543 | 160 | 163 | 172 | rVV | 24069 | 68598 | 1.49% | 0.286% |
| 4 | 6.663 | 172 | 176 | 193 | rVB | 29053 | 88550 | 1.92% | 0.370% |
| 5 | 7.691 | 284 | 288 | 304 | rBV | 73504 | 244919 | 5.31% | 1.022% |
| 6 | 11.574 | 707 | 711 | 720 | rBV | 33740 | 83983 | 1.82% | 0.350% |
| 7 | 11.712 | 720 | 726 | 744 | rBV | 1223069 | 3173030 | 68.76% | 13.240% |
| 8 | 15.320 | 1113 | 1119 | 1138 | rBV | 1990312 | 4276674 | 92.68% | 17.846% |
| 9 | 20.599 | 1687 | 1694 | 1711 | rBV | 2122311 | 4614698 | 100.00% | 19.256% |
| 10 | 25.023 | 2169 | 2176 | 2188 | rBV2 | 1975084 | 4388724 | 95.10% | 18.313% |
| 11 | 33.056 | 3044 | 3051 | 3075 | rBV2 | 1606674 | 3755095 | 81.37% | 15.669% |
| 12 | 37.160 | 3490 | 3498 | 3522 | rBV2 | 1116950 | 3083317 | 66.82% | 12.866% |

Sum of corrected areas: 23964627

24699.D NP103001.M Tue Nov 13 12:07:55 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Operator : 209 GALOS
Acquired : 6 Nov 2001 4:32 am using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 18
Quant File :NP103001.RES (RTE Integrator)




24699.D NP103001.M Tue Nov 13 12:07:58 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Acq On : 6 Nov 2001 4:32 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

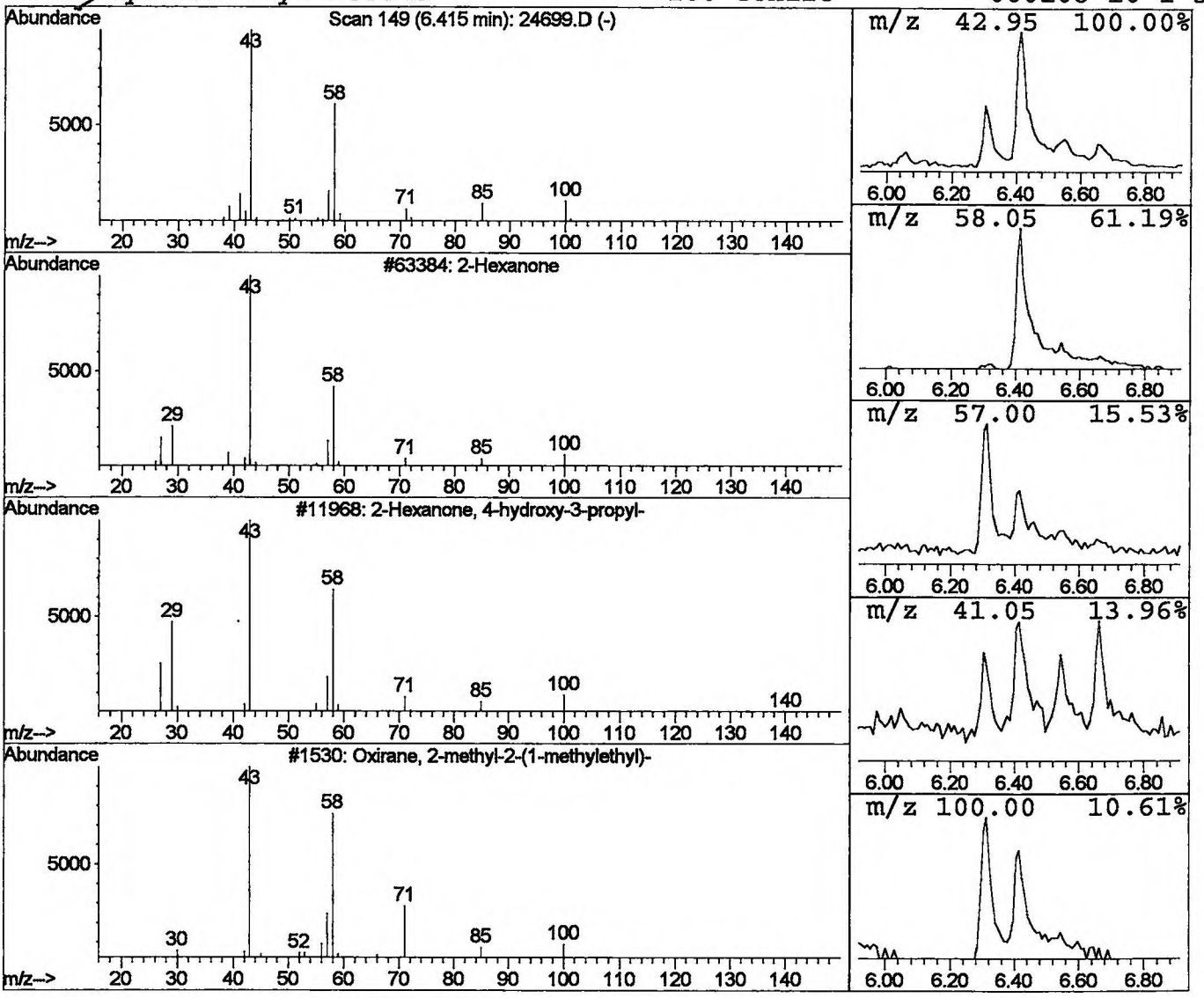
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Hexanone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.41 | 0.81 ug/l | 128763 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 90 |
| 2 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 83 |
| 3 | Oxirane, 2-methyl-2-(1-methylethyl) | 100 | C6H12O | 072221-03-5 | 64 |
| 4 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 53 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Acq On : 6 Nov 2001 4:32 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

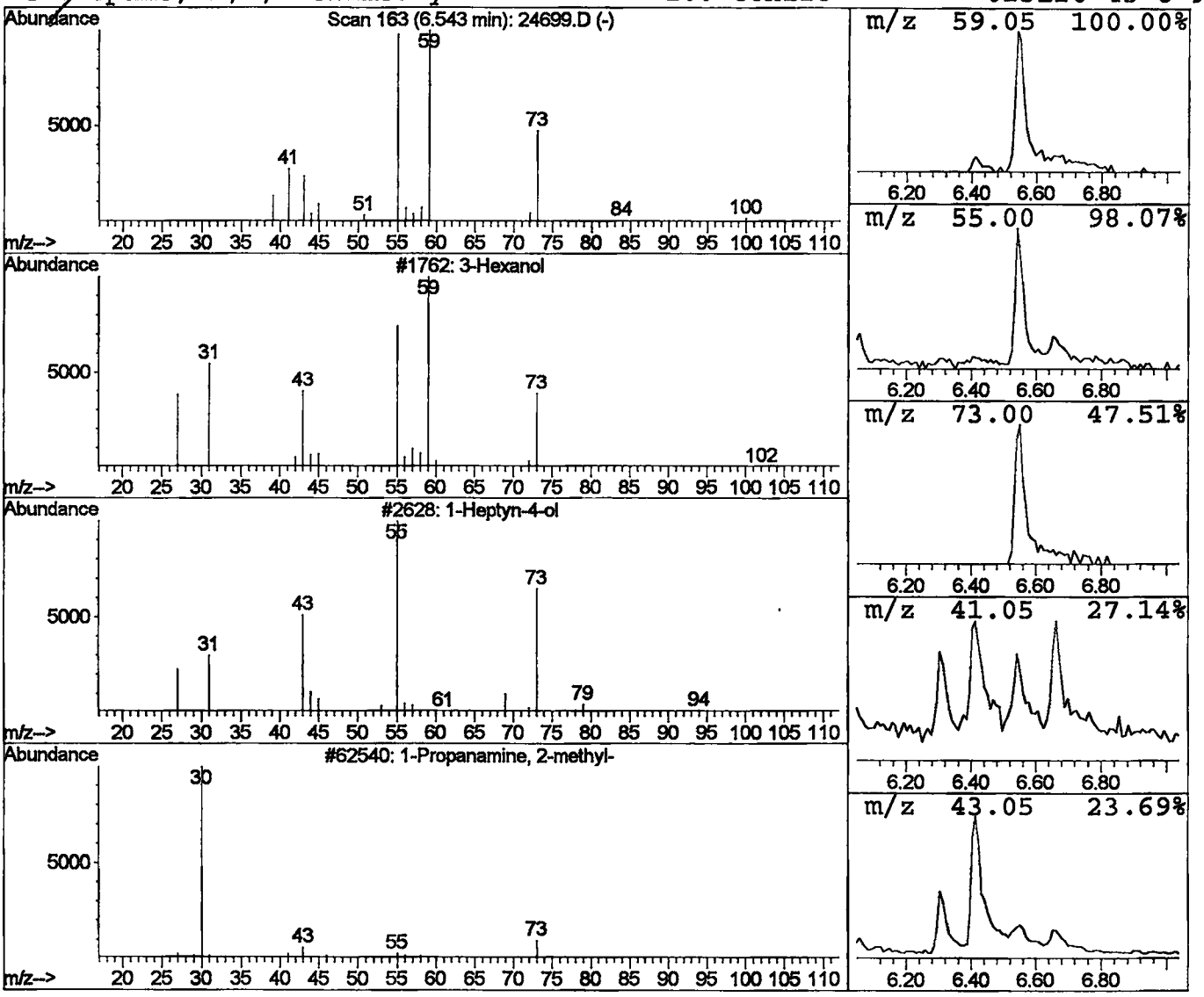
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 3-Hexanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.54 | 0.43 ug/l | 68598 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 64 |
| 2 | 1-Heptyn-4-ol | 112 | C7H12O | 022127-83-9 | 10 |
| 3 | 1-Propanamine, 2-methyl- | 73 | C4H11N | 000078-81-9 | 10 |
| 4 | Oxepane, 2,2,3-trimethyl- | 100 | C6H12O | 023120-43-6 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Acq On : 6 Nov 2001 4:32 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

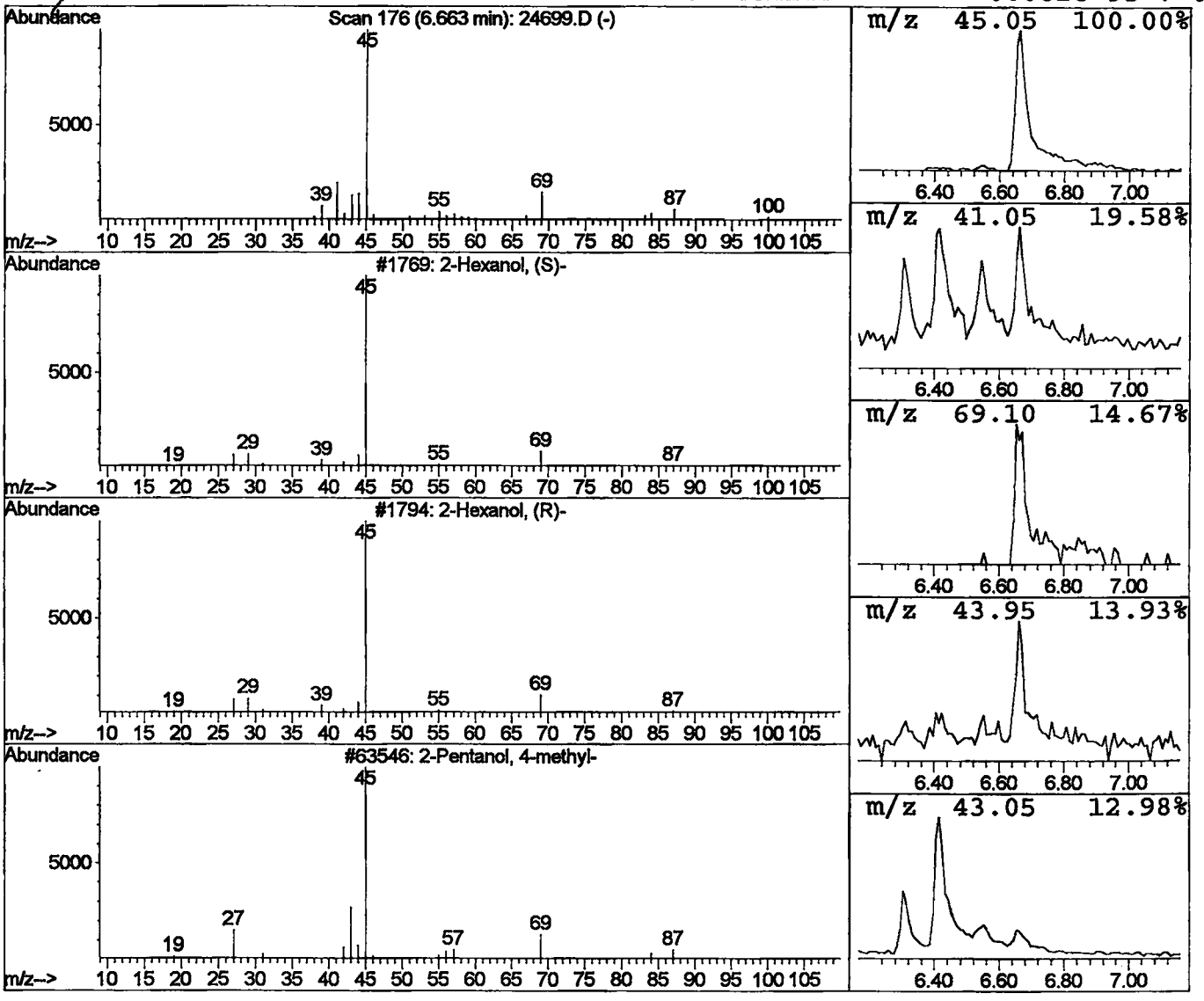
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Hexanol, (S)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 0.56 ug/l | 88550 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol, (S)- | 102 | C6H14O | 052019-78-0 | 78 |
| 2 | 2-Hexanol, (R)- | 102 | C6H14O | 026549-24-6 | 78 |
| 3 | 2-Pentanol, 4-methyl- | 102 | C6H14O | 000108-11-2 | 74 |
| 4 | 2-Hexanol | 102 | C6H14O | 000626-93-7 | 64 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Acq On : 6 Nov 2001 4:32 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

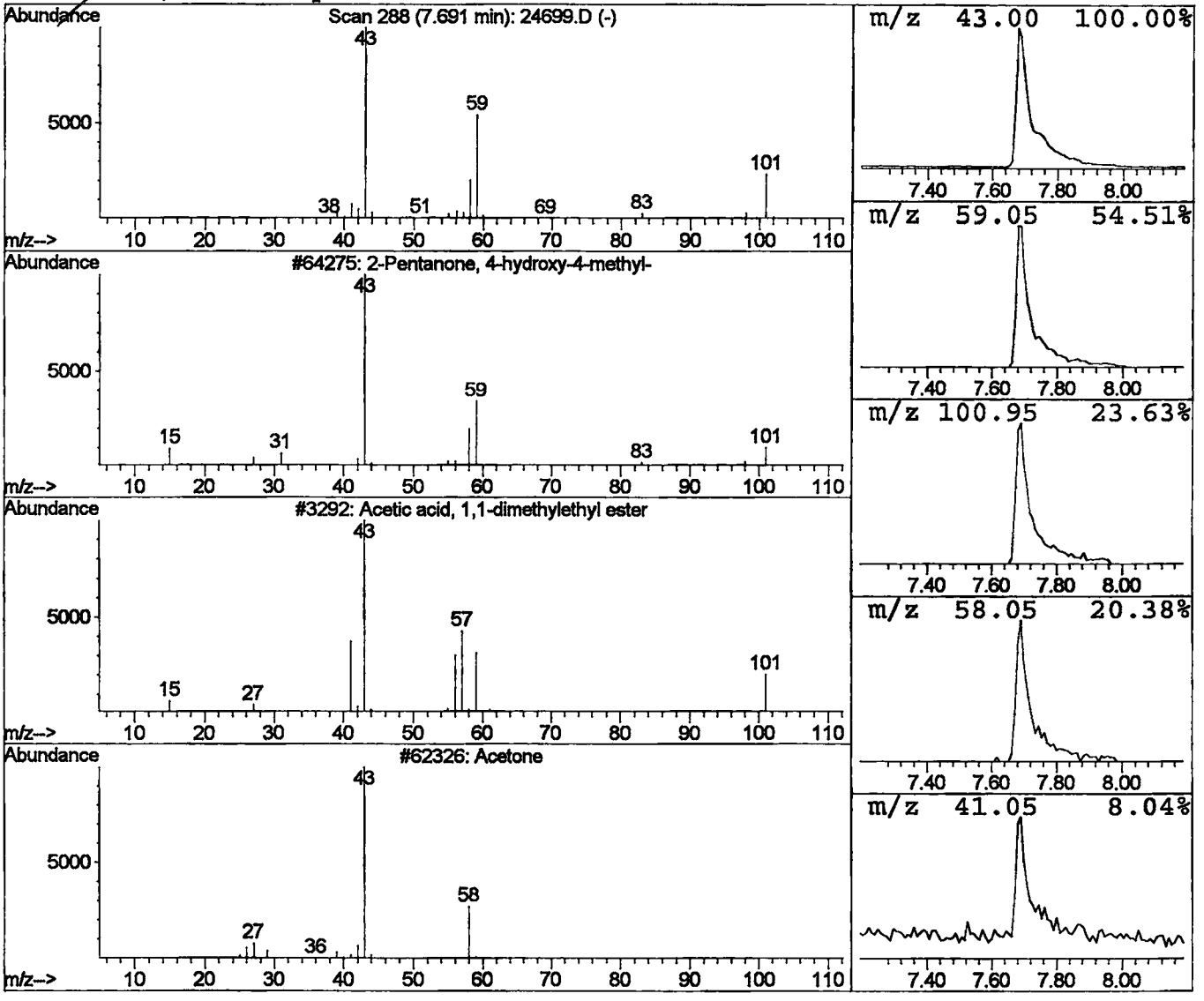
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.69 | 1.54 ug/l | 244919 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 28 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 16 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24699.D
Acq On : 6 Nov 2001 4:32 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 18
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

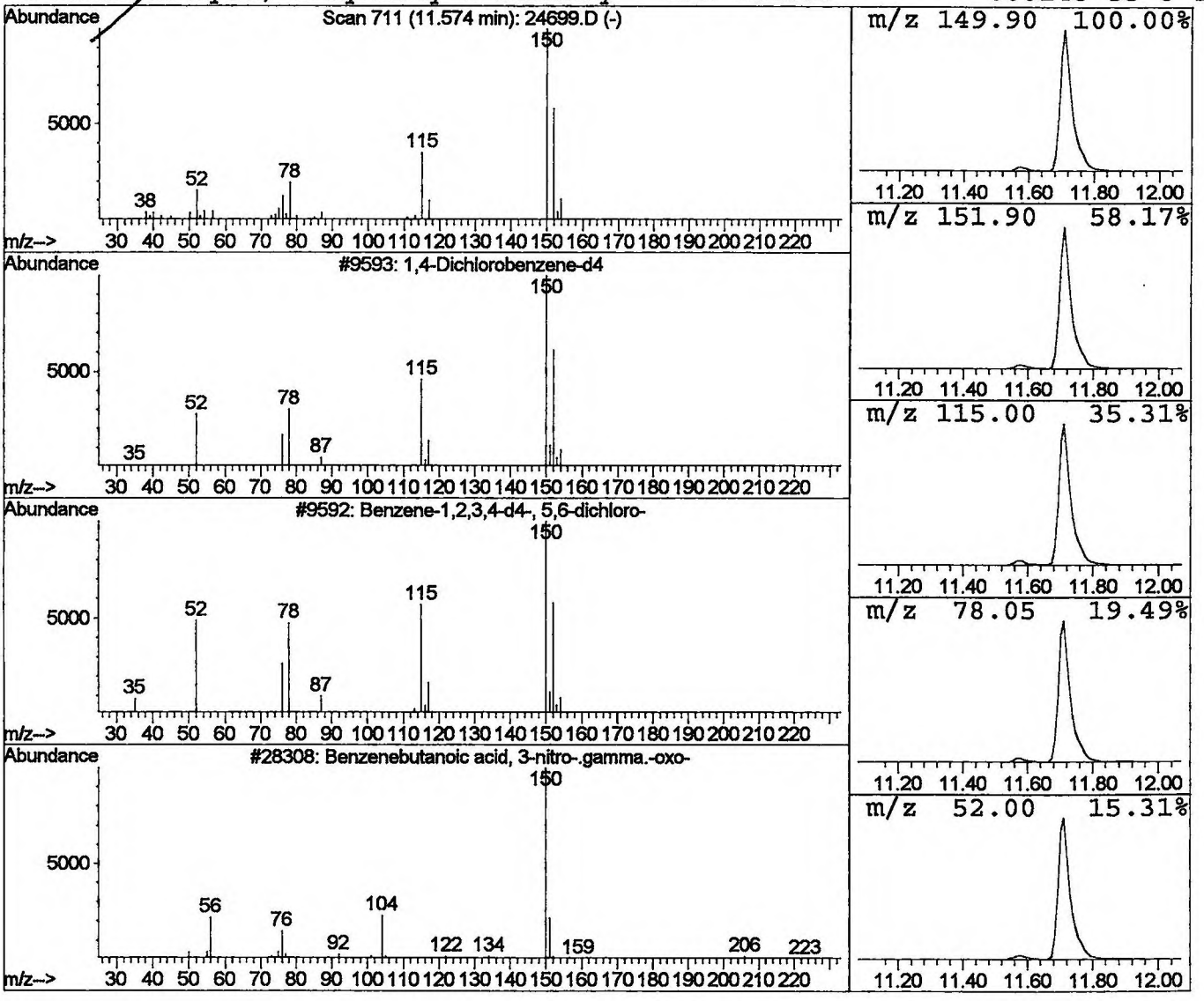
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 0.53 ug/l | 83983 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 42 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 25 |
| 3 | Benzenebutanoic acid, 3-nitro-.gamm | 223 | C10H9NO5 | 006328-00-3 | 17 |
| 4 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 10 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 6 Nov 2001 4:32 am
Data File: C:\HPCHEM\1\DATA\NOV0501\24699.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP103001.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-Hexanone | 6.41 | 0.8 | ug/l | 128763 | ISTD01 | 11.71 | 3173030 | 20.0 |
| 3-Hexanol | 6.54 | 0.4 | ug/l | 68598 | ISTD01 | 11.71 | 3173030 | 20.0 |
| 2-Hexanol, (S)- | 6.66 | 0.6 | ug/l | 88550 | ISTD01 | 11.71 | 3173030 | 20.0 |
| 2-Pentanone, 4-hydro | 7.69 | 1.5 | ug/l | 244919 | ISTD01 | 11.71 | 3173030 | 20.0 |
| 1,4-Dichlorobenzene- | 11.57 | 0.5 | ug/l | 83983 | ISTD01 | 11.71 | 3173030 | 20.0 |

24699.D NP103001.M Tue Nov 13 12:08:13 2001