User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/03/2002 Time: 09:17:48

Sample: AD28309
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/3/02 09:15 Ended: 1/3/02 09:15 Analyst: MG
Page: 1

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

omments for Sample AD28309 - Analysis $GCMS

Westchester Dept. of Labs & Research
ser: Galos, Marie
ate: 01-03-2002 Time: 09:18:09

scan of the extract prepared for the 508 analysis, from 35-550 amu using a
lass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\28309.D Vial: 41
Acq On : 22 Dec 2001 5:37 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 28 9:02 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	11.79	152	827733	20.00	ng/uL	-0.15
19) Naphthalene-d8	15.39	136	3335164	20.00	ng/uL	-0.16
31) Acenaphthene-d10	20.67	164	1477445	20.00	ng/uL	-0.16
49) Phenanthrene-d10	25.08	188	2210634	20.00	ng/uL	-0.17
59) Chrysene-d12	33.08	240	1532318	20.00	ng/uL	-0.17
68) Perylene-d12	37.15	264	965579	20.00	ng/uL	-0.18
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	11.78	132	596	0.01	ng/uL	0.36
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	18.81	172	1522	0.02	ng/uL	-0.02
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

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Last Update : Wed Nov 28 15:33:44 2001
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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	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.	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	27.07	149	33781	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

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Data File : C:\HPCHEM\1\DATA\DEC2101\28309.D Vial: 41
Acq On : 22 Dec 2001 5:37 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
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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	33.08	228	3328	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.35	149	6734	N.D.	
67)	Chrysene	33.08	228	3328	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	37.16	252	2849	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

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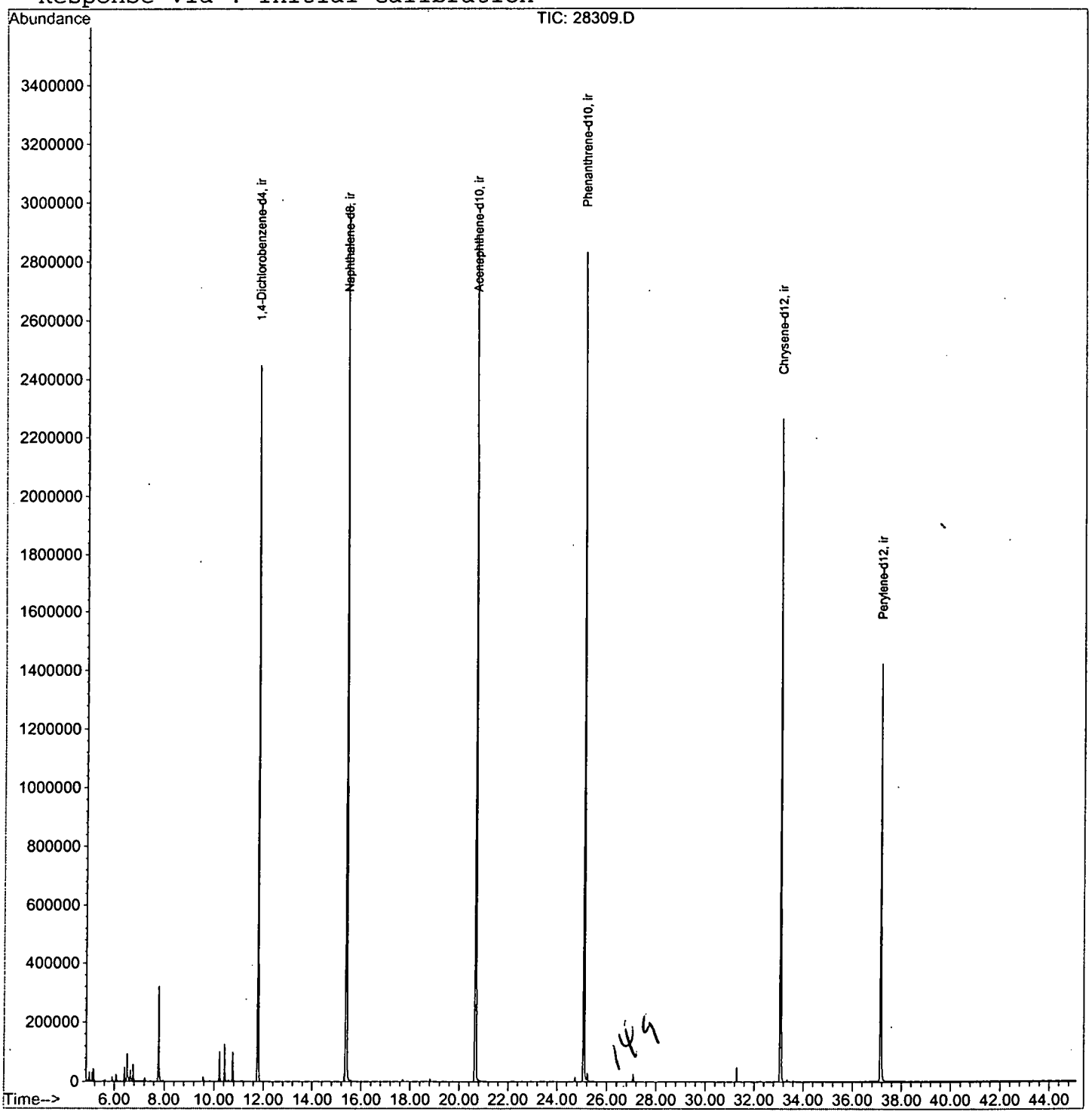
Acq On : 22 Dec 2001 5:37 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 28 9:02 2001 Quant Results File: NP112701.RES

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28309.D Vial: 41
Acq On : 22 Dec 2001 5:37 pm Operator: GALOS
Sample : gcms unknown 11/26 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

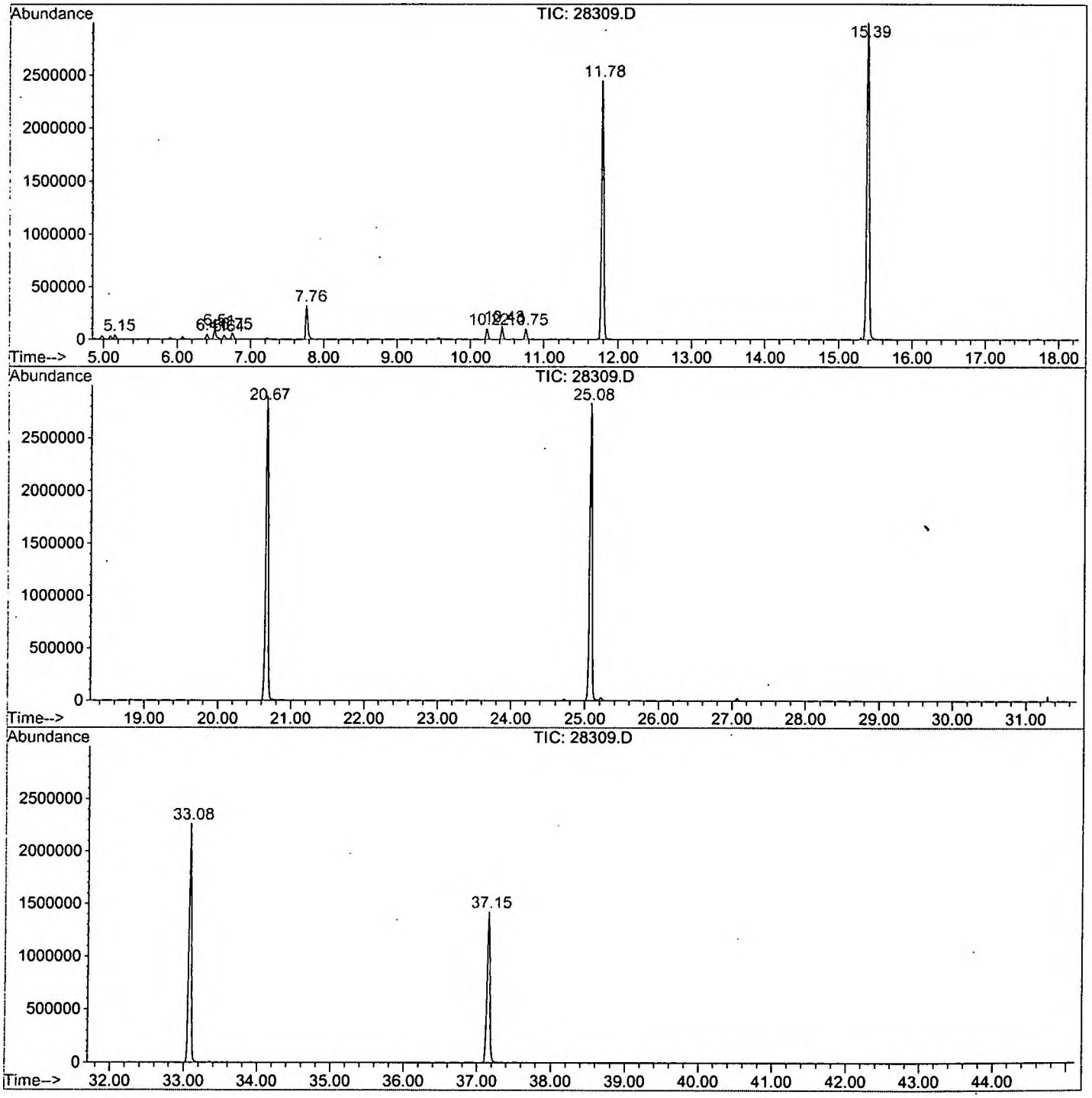
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.150	31	34	39	rVB	43663	75882	1.11%	0.213%
2	6.406	166	171	176	rBV	49819	93983	1.37%	0.264%
3	6.507	176	182	192	rVV	95039	203348	2.96%	0.570%
4	6.636	192	196	203	rVV	39140	77265	1.13%	0.217%
5	6.746	204	208	217	rVB	57791	117217	1.71%	0.329%
6	7.764	315	319	334	rBV	321986	634504	9.25%	1.779%
7	10.221	583	587	595	rBV	101528	188219	2.74%	0.528%
8	10.432	606	610	617	rVB	125851	212889	3.10%	0.597%
9	10.753	641	645	651	rBV	99860	183886	2.68%	0.516%
10	11.780	752	757	765	rBV	2447628	5209433	75.90%	14.610%
11	15.393	1144	1151	1168	rBV	2996008	6863203	100.00%	19.248%
12	20.666	1718	1726	1738	rBV	2893345	6618119	96.43%	18.560%
13	25.077	2199	2207	2218	rBV2	2834037	6367043	92.77%	17.856%
14	33.082	3073	3080	3094	rBV2	2265155	5081317	74.04%	14.250%
15	37.154	3516	3524	3541	rBV2	1419501	3731142	54.36%	10.464%

Sum of corrected areas: 35657450

28309.D NP112701.M Fri Dec 28 09:10:01 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC2101\28309.D
Operator : GALOS
Acquired : 22 Dec 2001 5:37 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/26
Misc Info :
Vial Number: 41
Quant File :NP112701.RES (RTE Integrator)



28309.D NP112701.M Fri Dec 28 09:10:04 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28309.D
Acq On : 22 Dec 2001 5:37 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 41
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

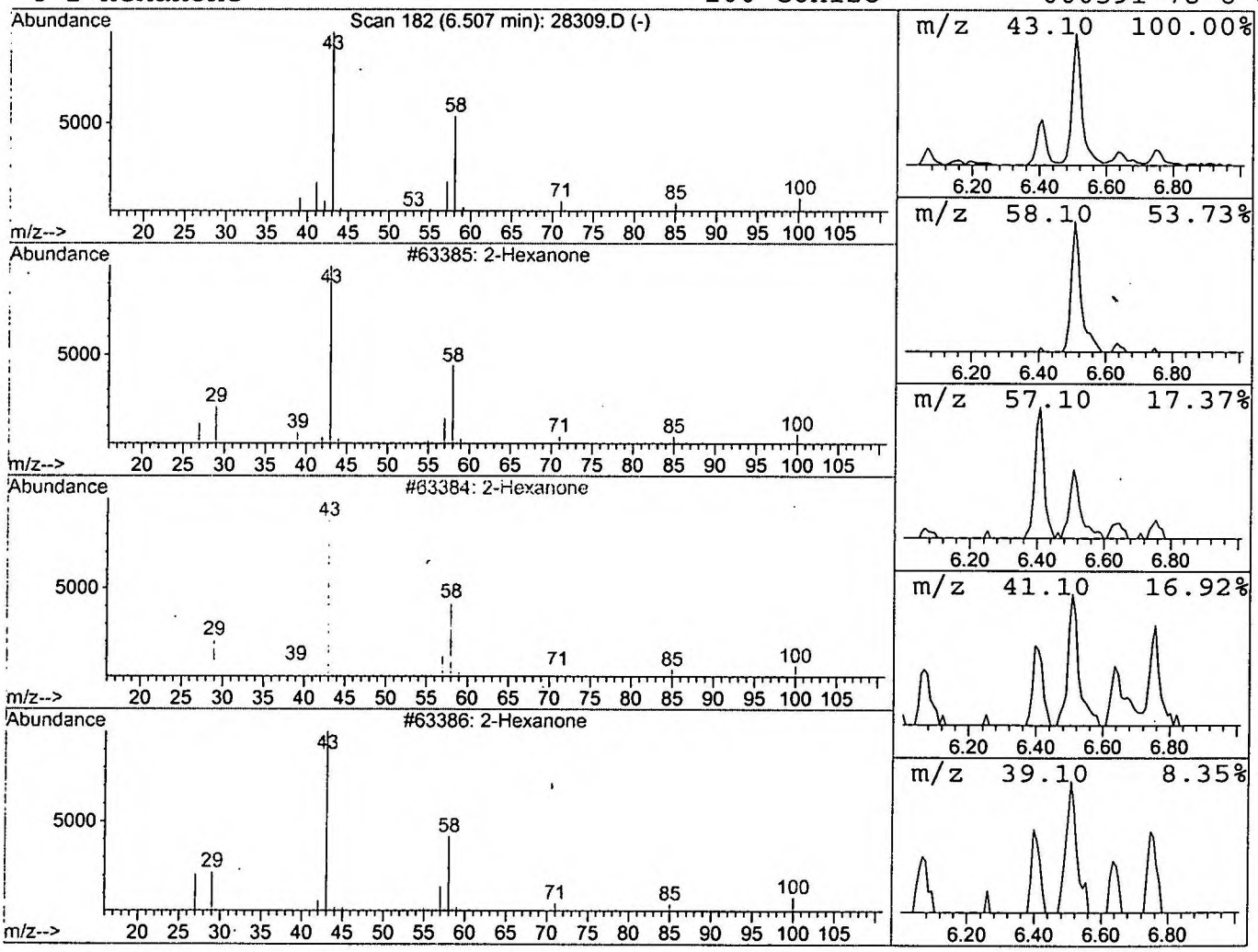
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	0.78 ng/uL	203348	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	91
3	2-Hexanone	100	C6H12O	000591-78-6	90
4	2-Hexanone	100	C6H12O	000591-78-6	86



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28309.D
Acq On : 22 Dec 2001 5:37 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 41
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

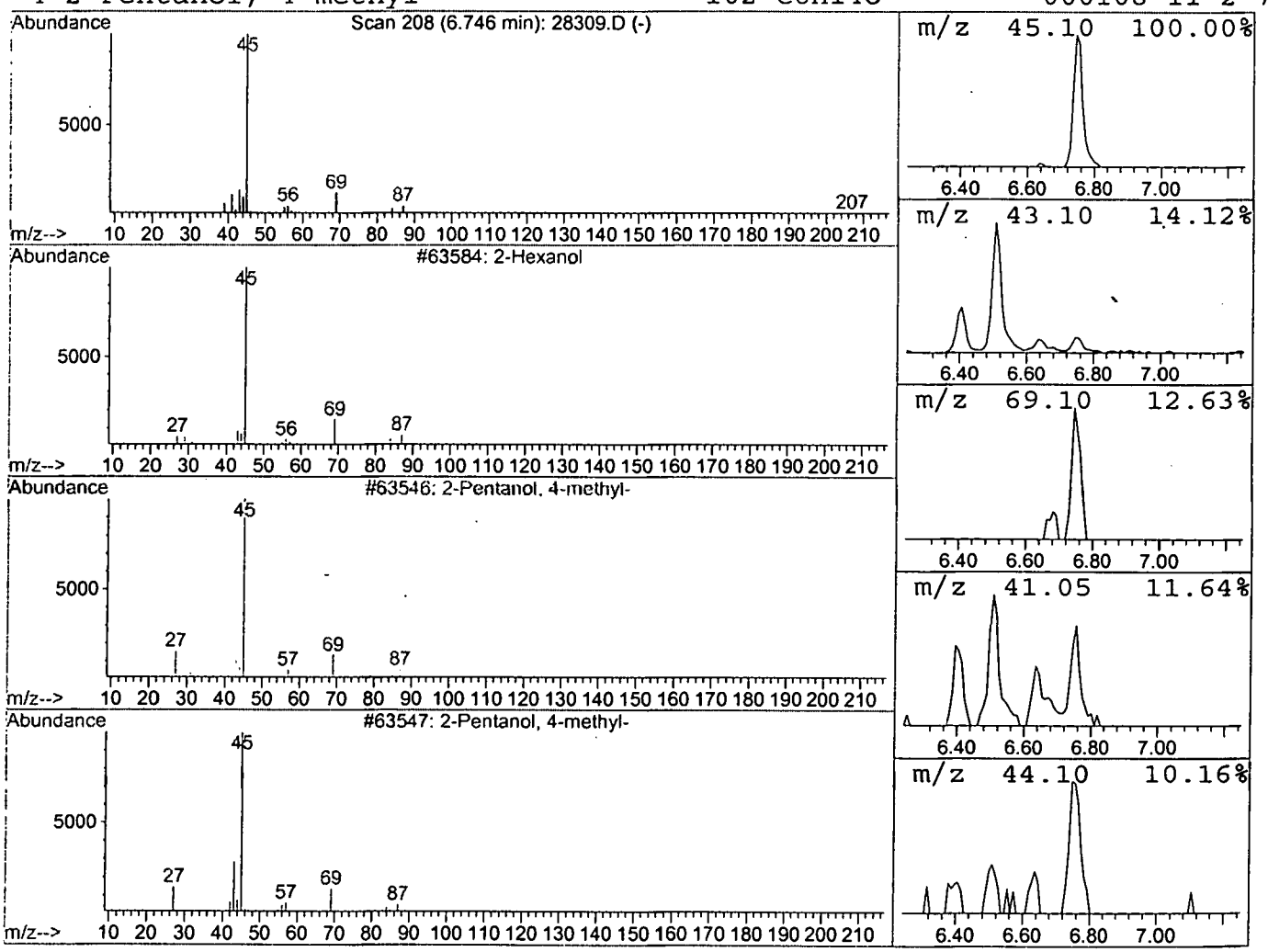
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	0.45 ng/uL	117217	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28309.D Vial: 41
Acq On : 22 Dec 2001 5:37 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

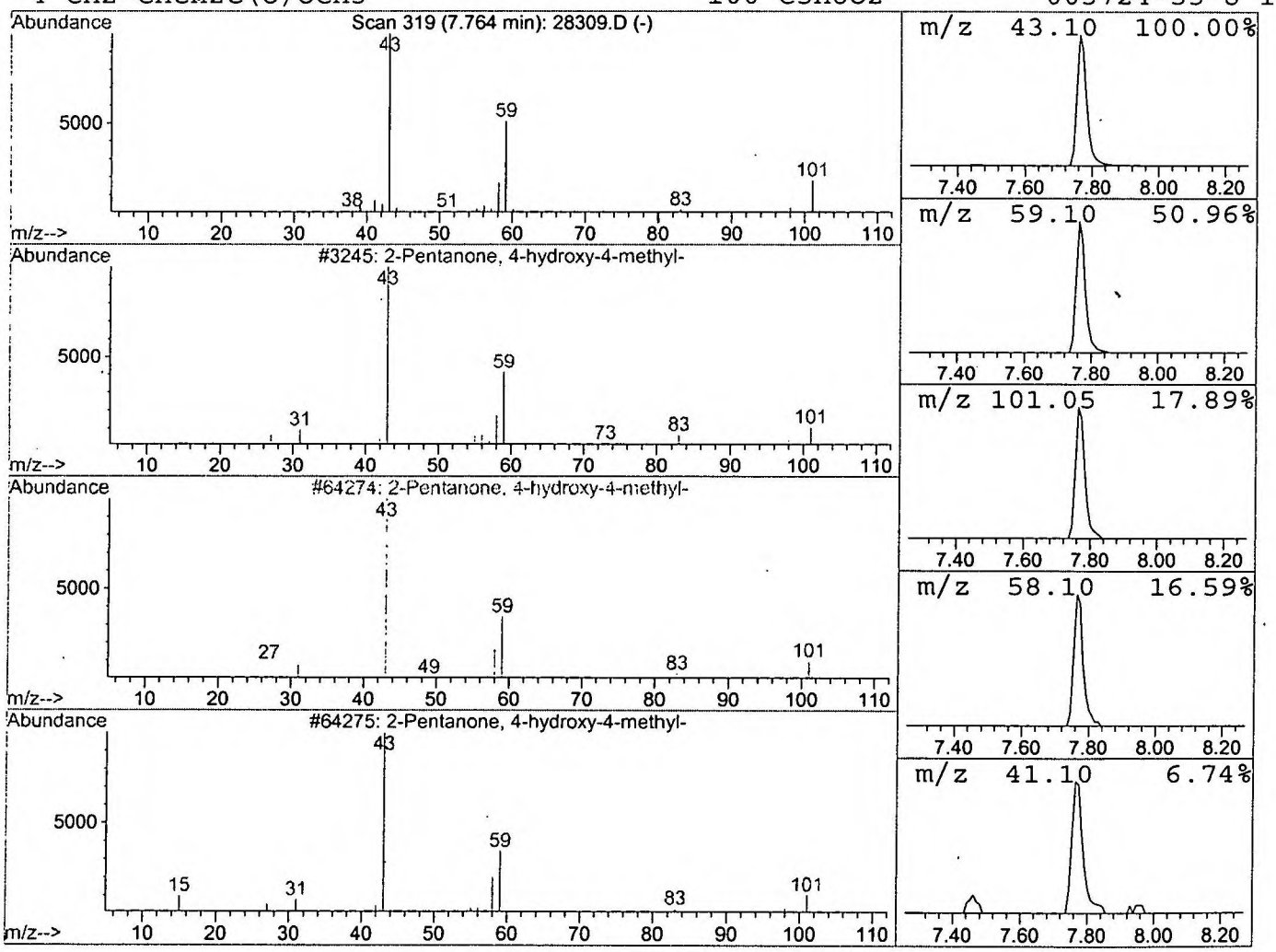
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	2.44 ng/uL	634504	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
4	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	10



Library Search Compound Report

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Acq On : 22 Dec 2001 5:37 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

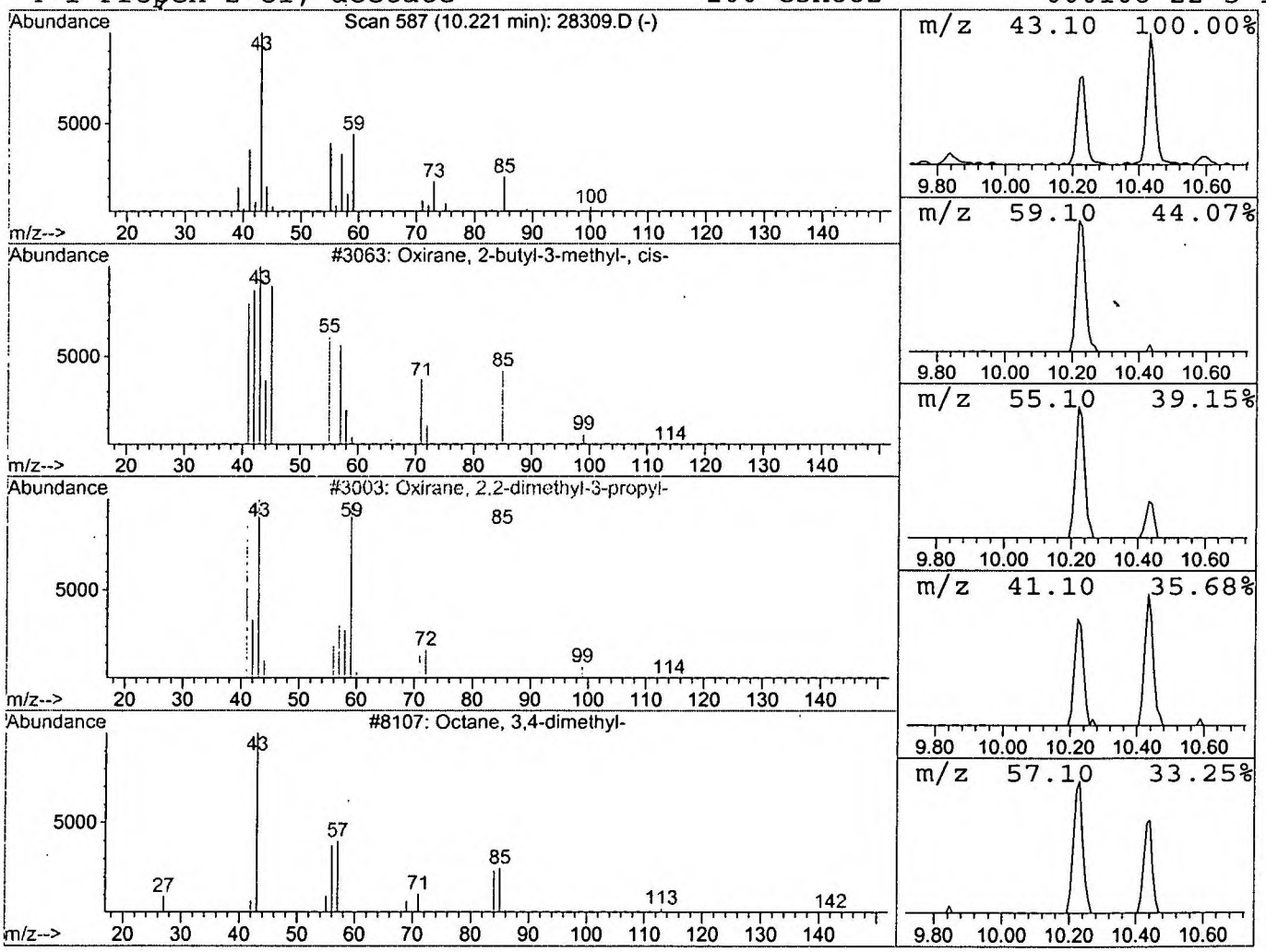
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Oxirane, 2-butyl-3-methyl-, ci Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	0.72 ng/uL	188219	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-butyl-3-methyl-, cis-	114	C7H14O	056052-93-8	17
2	Oxirane, 2,2-dimethyl-3-propyl-	114	C7H14O	017612-35-0	17
3	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	10
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



Library Search Compound Report

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Acq On : 22 Dec 2001 5:37 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 41
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

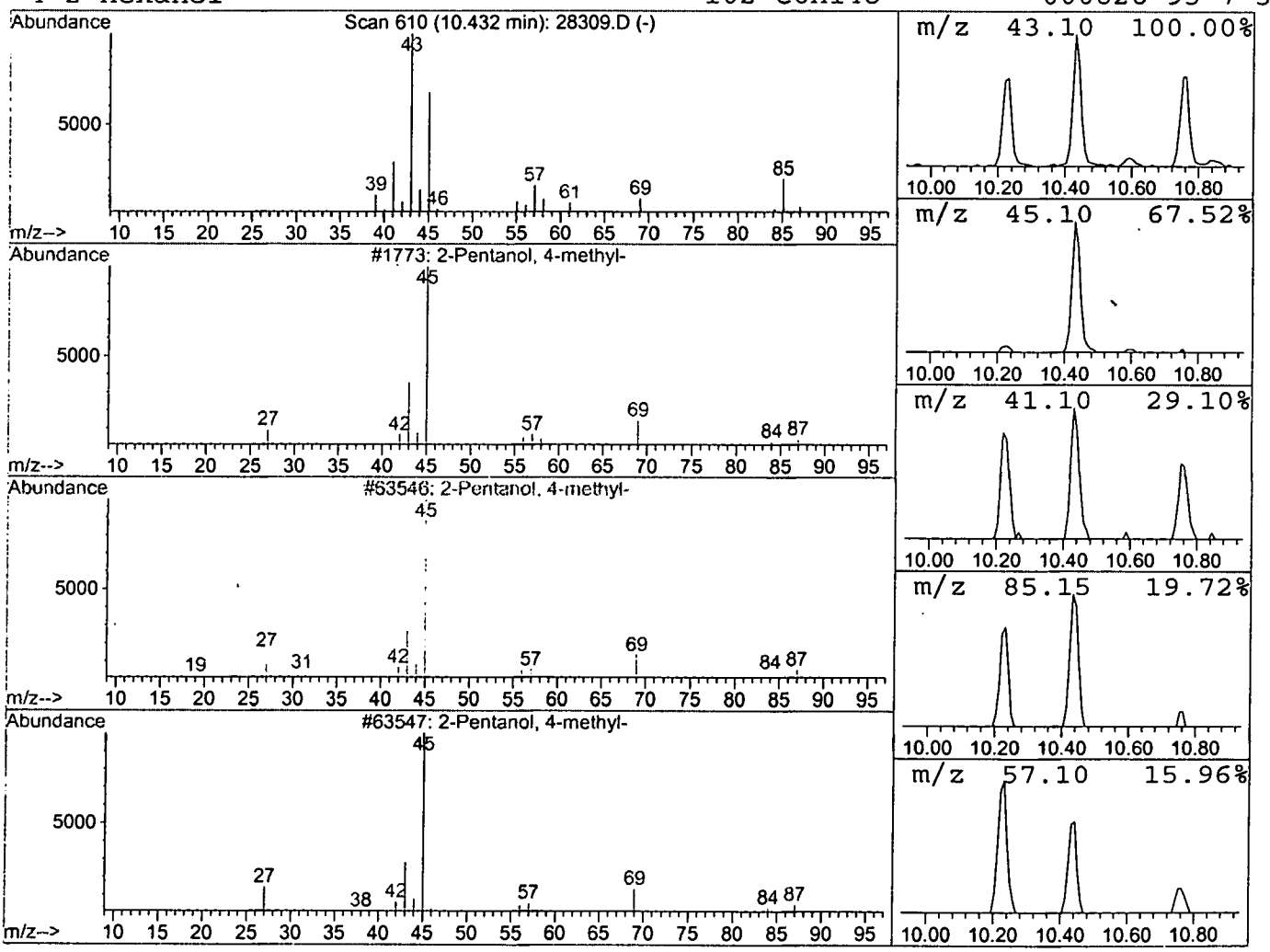
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Pentanol, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	0.82 ng/uL	212889	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	43
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	38
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	38
4	2-Hexanol	102	C6H14O	000626-93-7	35



Library Search Compound Report

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Acq On : 22 Dec 2001 5:37 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 41
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

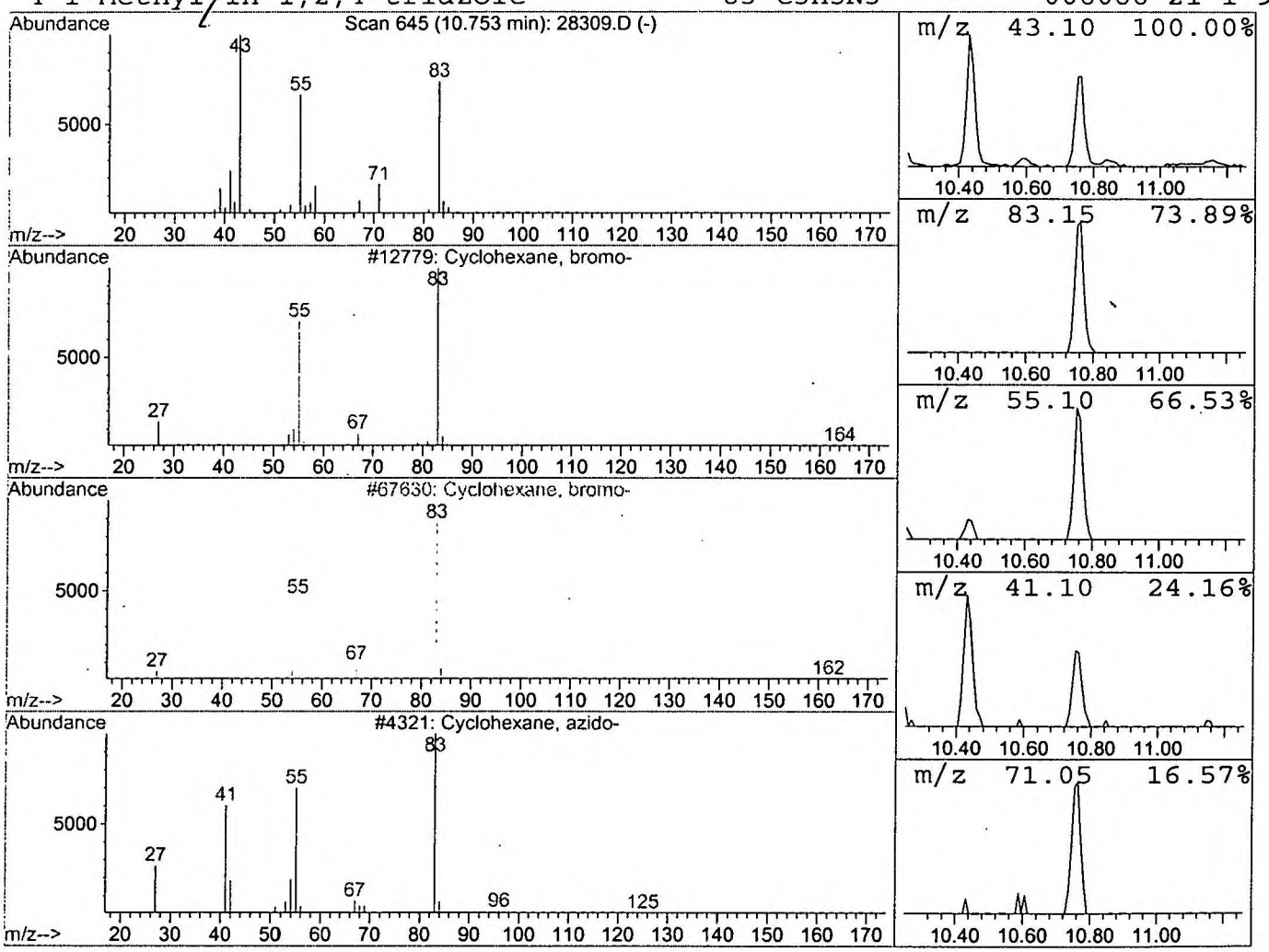
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Cyclohexane, bromo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	0.71 ng/uL	183886	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	40
2	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	33
3	Cyclohexane, azido-	125	C6H11N3	019573-22-9	33
4	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	9



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 22 Dec 2001 5:37 pm
Data File: C:\HPCHEM\1\DATA\DEC2101\28309.D
Name: gcms unknown 11/26
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-Hexanone	6.51	0.8	ng/uL	203348	ISTD01	11.79	5209430	20.0
2-Hexanol	6.75	0.5	ng/uL	117217	ISTD01	11.79	5209430	20.0
2-Pentanone, 4-hydro	7.76	2.4	ng/uL	634504	ISTD01	11.79	5209430	20.0
Oxirane, 2-butyl-3-m	10.22	0.7	ng/uL	188219	ISTD01	11.79	5209430	20.0
2-Pentanol, 4-methyl	10.43	0.8	ng/uL	212889	ISTD01	11.79	5209430	20.0
Cyclohexane, bromo-	10.75	0.7	ng/uL	183886	ISTD01	11.79	5209430	20.0

28309.D NP112701.M Fri Dec 28 09:10:18 2001