User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/18/2001 Time: 11:40:32

Sample: AD27544
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/18/01 11:34 Ended: 12/18/01 11:34 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 AD27544 - Analysis $GCMS

Vestchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-18-2001 Time: 11:40:39

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\27544.D Vial: 3
Acq On : 13 Dec 2001 12:12 pm Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 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	1232754	20.00	ng/uL	-0.07
19) Naphthalene-d8	15.47	136	4989460	20.00	ng/uL	-0.08
31) Acenaphthene-d10	20.74	164	2194976	20.00	ng/uL	-0.08
49) Phenanthrene-d10	25.15	188	3340149	20.00	ng/uL	-0.09
59) Chrysene-d12	33.16	240	2384876	20.00	ng/uL	-0.09
68) Perylene-d12	37.24	264	1732362	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	933	0.01	ng/uL	0.44
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.01%#		
7) 1,2-Dichlorobenzene-d4	12.14	152	604	0.01	ng/uL	-0.32
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.02%#		
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	2531	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)

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Acq On : 13 Dec 2001 12:12 pm Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 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	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	0.00	65	0	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	22.24	149	800	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	25.15	178	374	N.D.	
56)	Anthracene	25.15	178	374	N.D.	
57)	Di-n-butylphthalate	27.14	149	6988	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\27544.D Vial: 3
Acq On : 13 Dec 2001 12:12 pm Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
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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	33.16	228	5164	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.41	149	657	N.D.	
67)	Chrysene	33.16	228	5164	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	37.23	252	5702	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.	

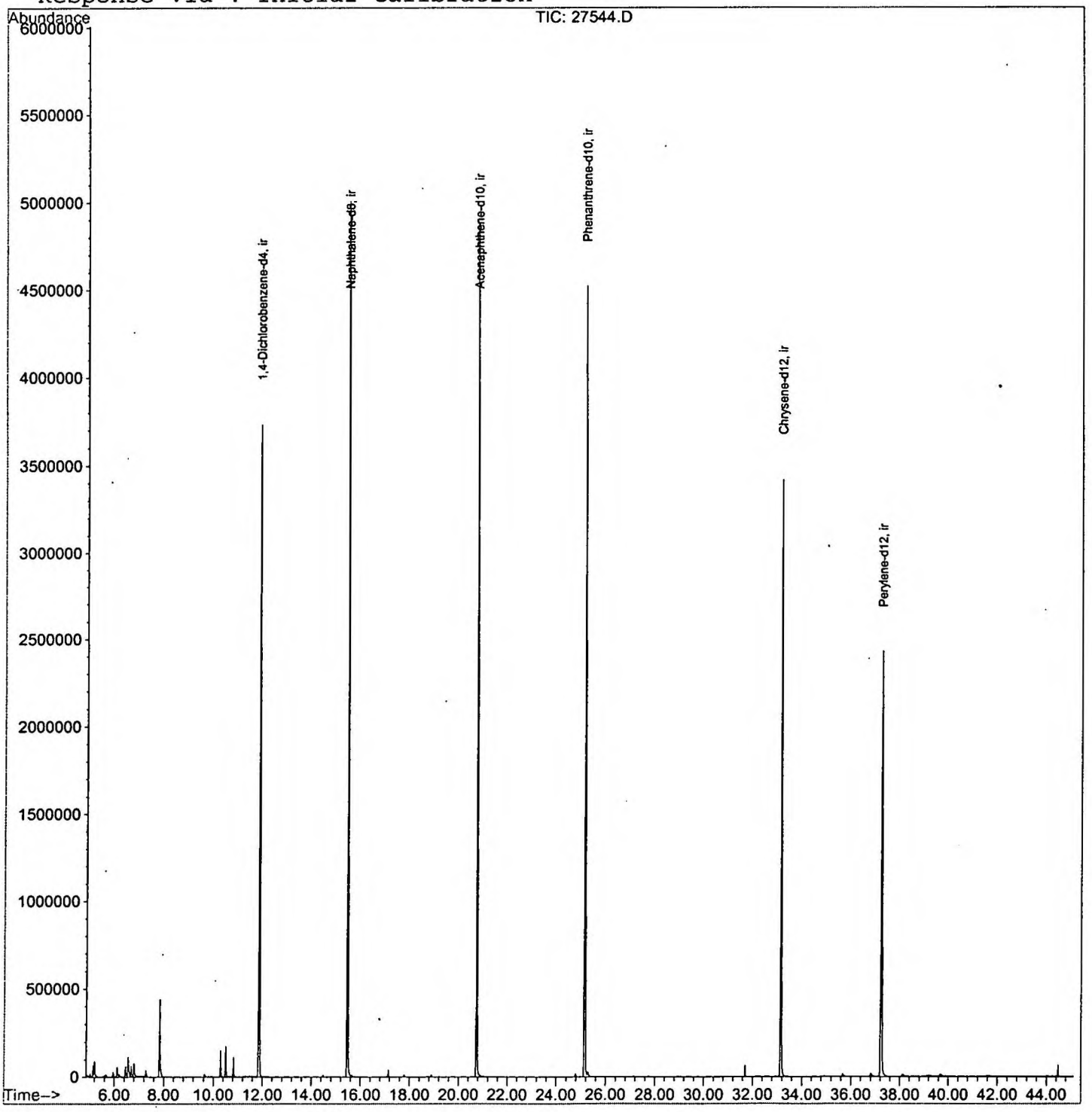
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 2001

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00
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\27544.D Vial: 3
Acq On : 13 Dec 2001 12:12 pm Operator: GALOS
Sample : gcms unknown 11/15 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

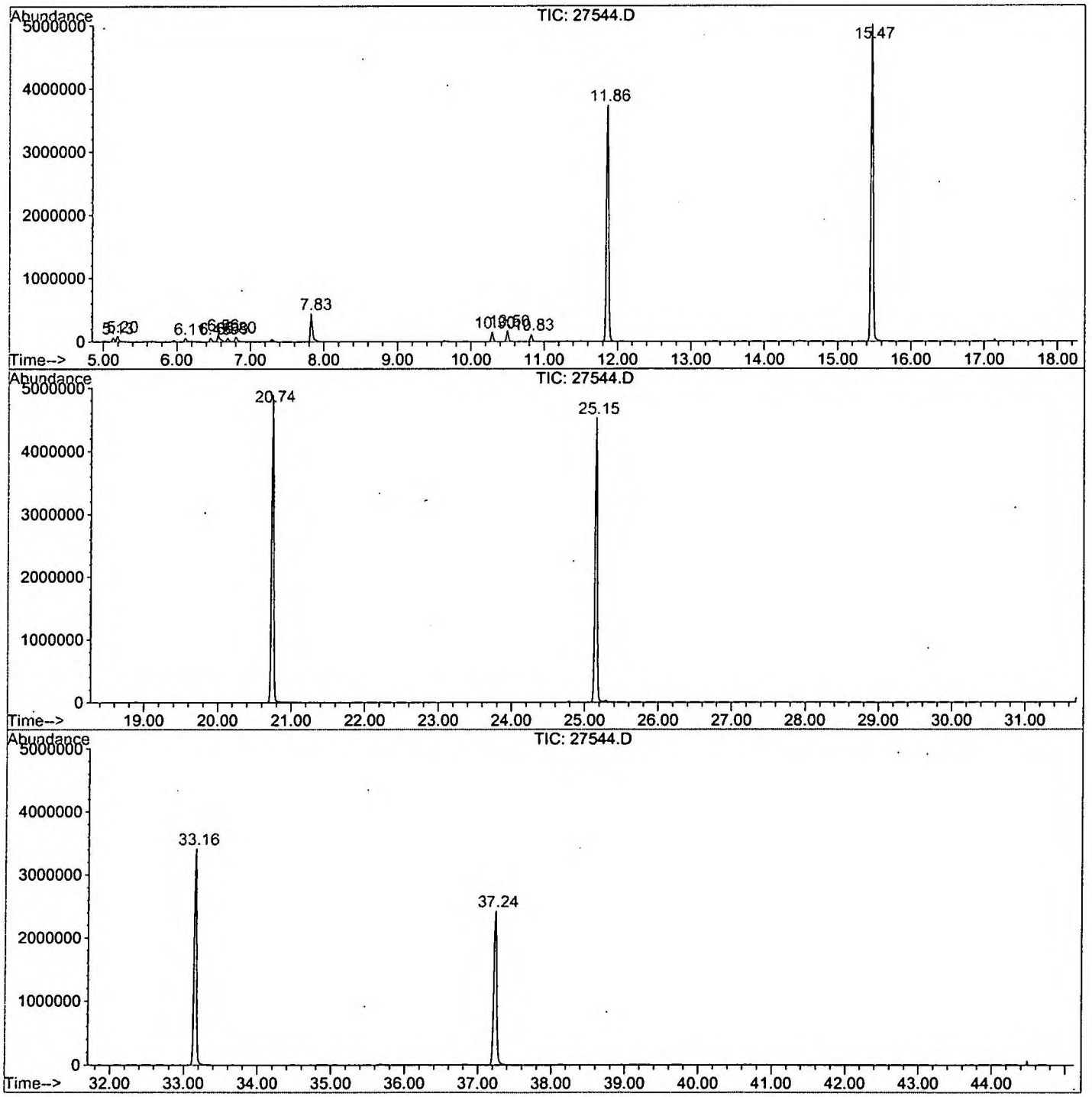
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.133	27	32	36	rBV	64643	115355	1.15%	0.213%
2	5.197	36	39	53	rVB	89947	200982	2.00%	0.372%
3	6.114	135	139	147	rBV	56368	127809	1.27%	0.236%
4	6.453	172	176	184	rBV	61122	132345	1.32%	0.245%
5	6.563	184	188	198	rVV2	115197	289847	2.89%	0.536%
6	6.692	198	202	210	rVB	61090	125359	1.25%	0.232%
7	6.802	210	214	227	rBV	77719	193044	1.92%	0.357%
8	7.829	322	326	339	rBV	443509	927721	9.24%	1.716%
9	10.296	590	595	603	rVB	152350	293474	2.92%	0.543%
10	10.497	613	617	628	rBV	176752	334196	3.33%	0.618%
11	10.828	648	653	658	rBV	113809	206815	2.06%	0.383%
12	11.864	760	766	779	rVB	3729288	7682552	76.51%	14.212%
13	15.468	1153	1159	1173	rBV	5007103	10041211	100.00%	18.576%
14	20.740	1728	1734	1746	rBV	4883429	9852847	98.12%	18.227%
15	25.151	2208	2215	2226	rBV2	4523164	9367366	93.29%	17.329%
16	33.157	3080	3088	3106	rBV2	3418119	7698184	76.67%	14.241%
17	37.237	3524	3533	3551	rBV2	2424581	6466312	64.40%	11.962%

Sum of corrected areas: 54055419

27544.D NP112701.M Fri Dec 14 12:53:42 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Operator : GALOS
Acquired : 13 Dec 2001 12:12 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/15
Misc Info :
Vial Number: 3
Quant File :NP112701.RES (RTE Integrator)



27544.D NP112701.M Fri Dec 14 12:53:44 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

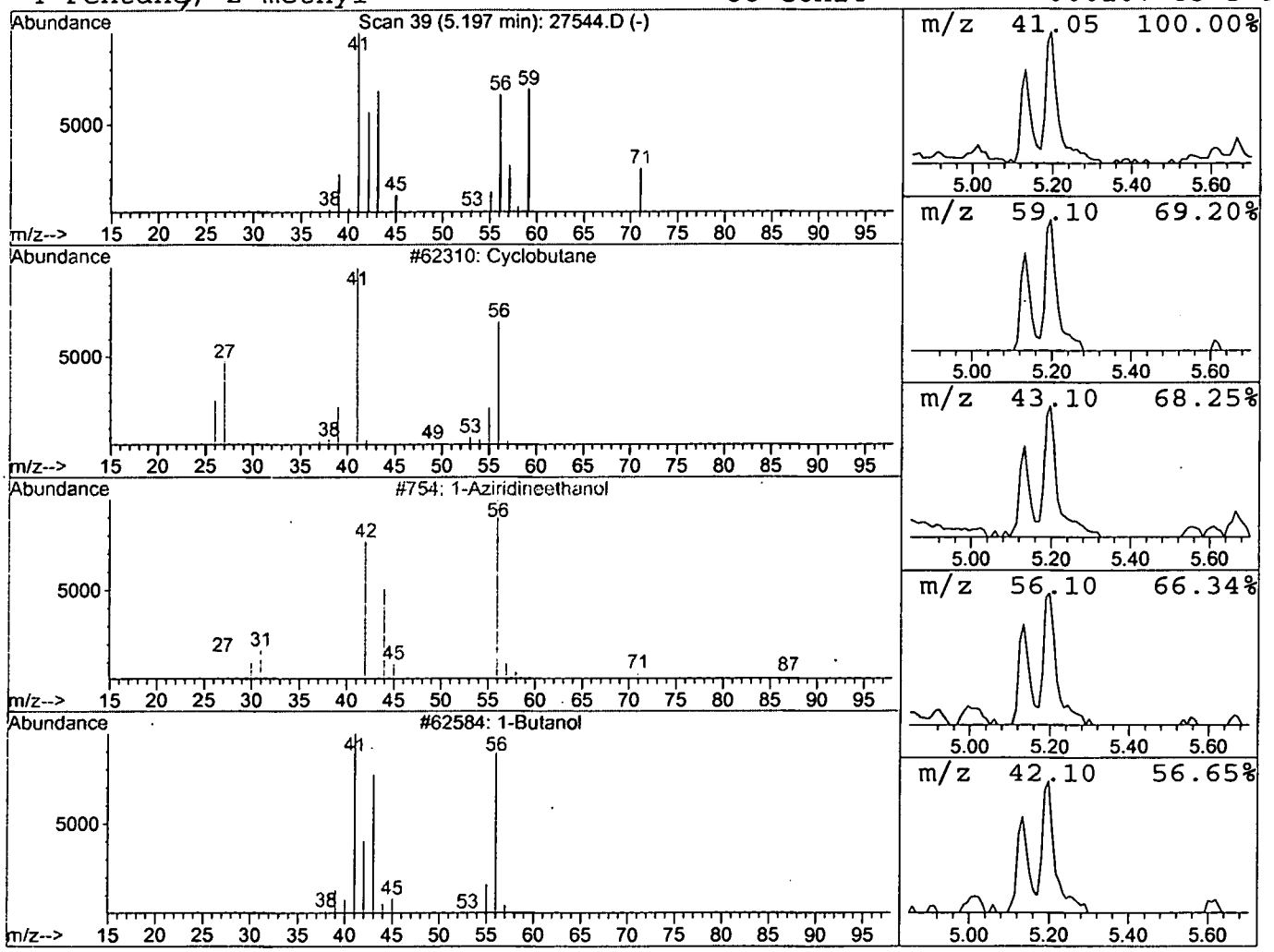
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclobutane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	0.52 ng/uL	200982	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane	56	C4H8	000287-23-0	9
2	1-Aziridineethanol	87	C4H9NO	001072-52-2	9
3	1-Butanol	74	C4H10O	000071-36-3	9
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

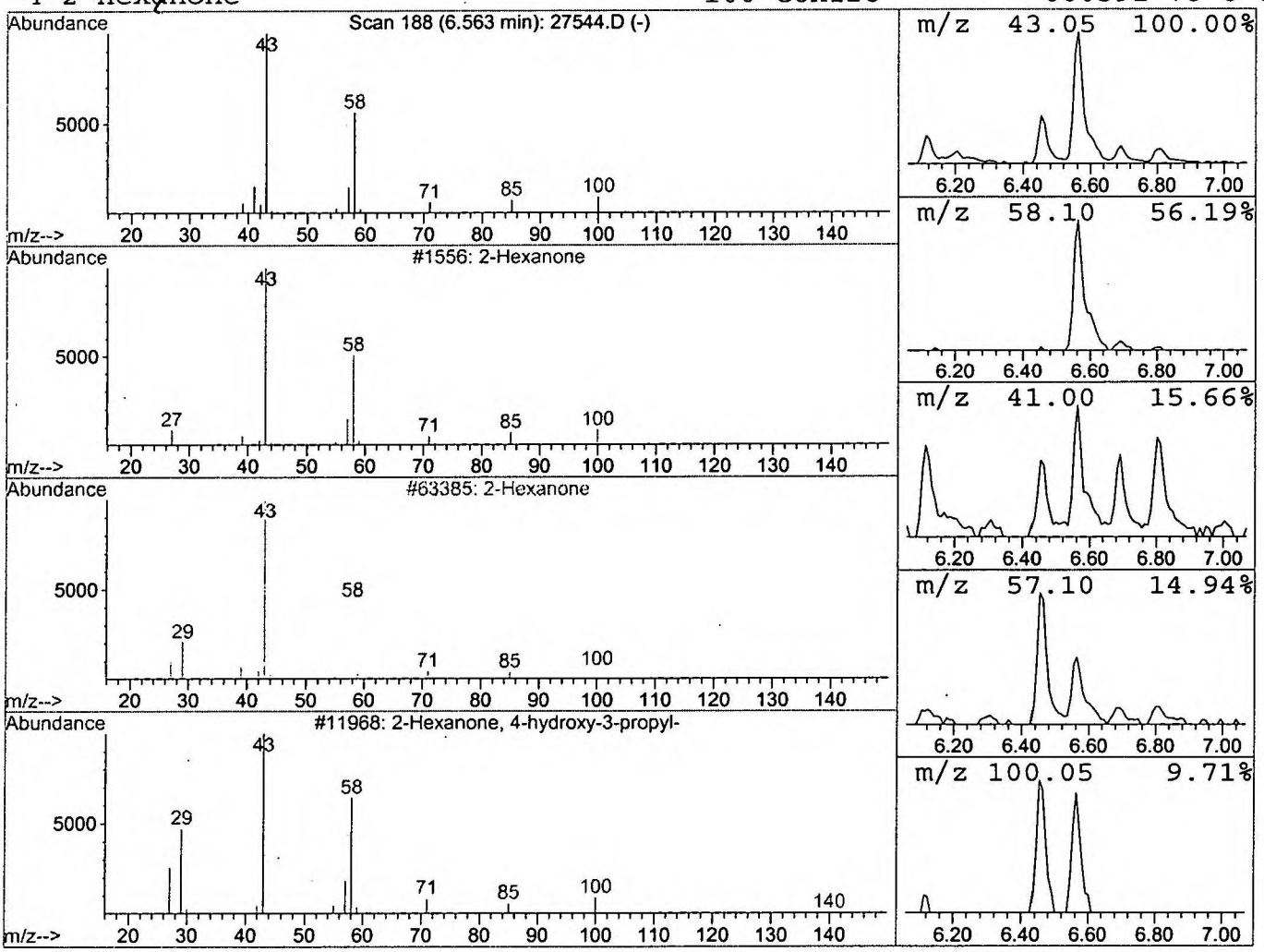
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	0.75 ng/uL	289847	1,4-Dichlorobenzene-d4	11.86

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	90
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	83
4	2-Hexanone	100	C6H12O	000591-78-6	64



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

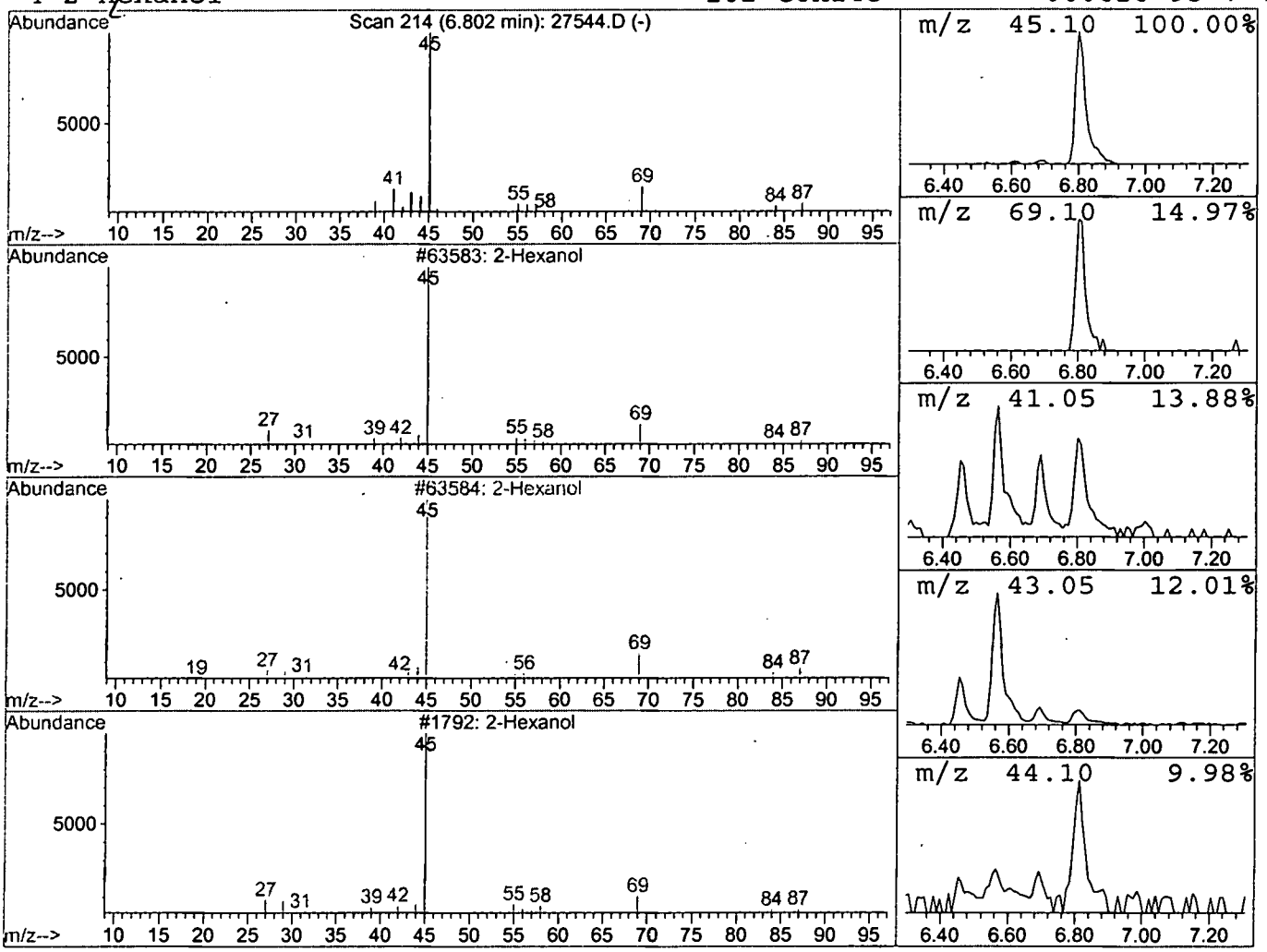
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Hexanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	0.50 ng/uL	193044	1,4-Dichlorobenzene-d4	11.86

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



Library Search Compound Report

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Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

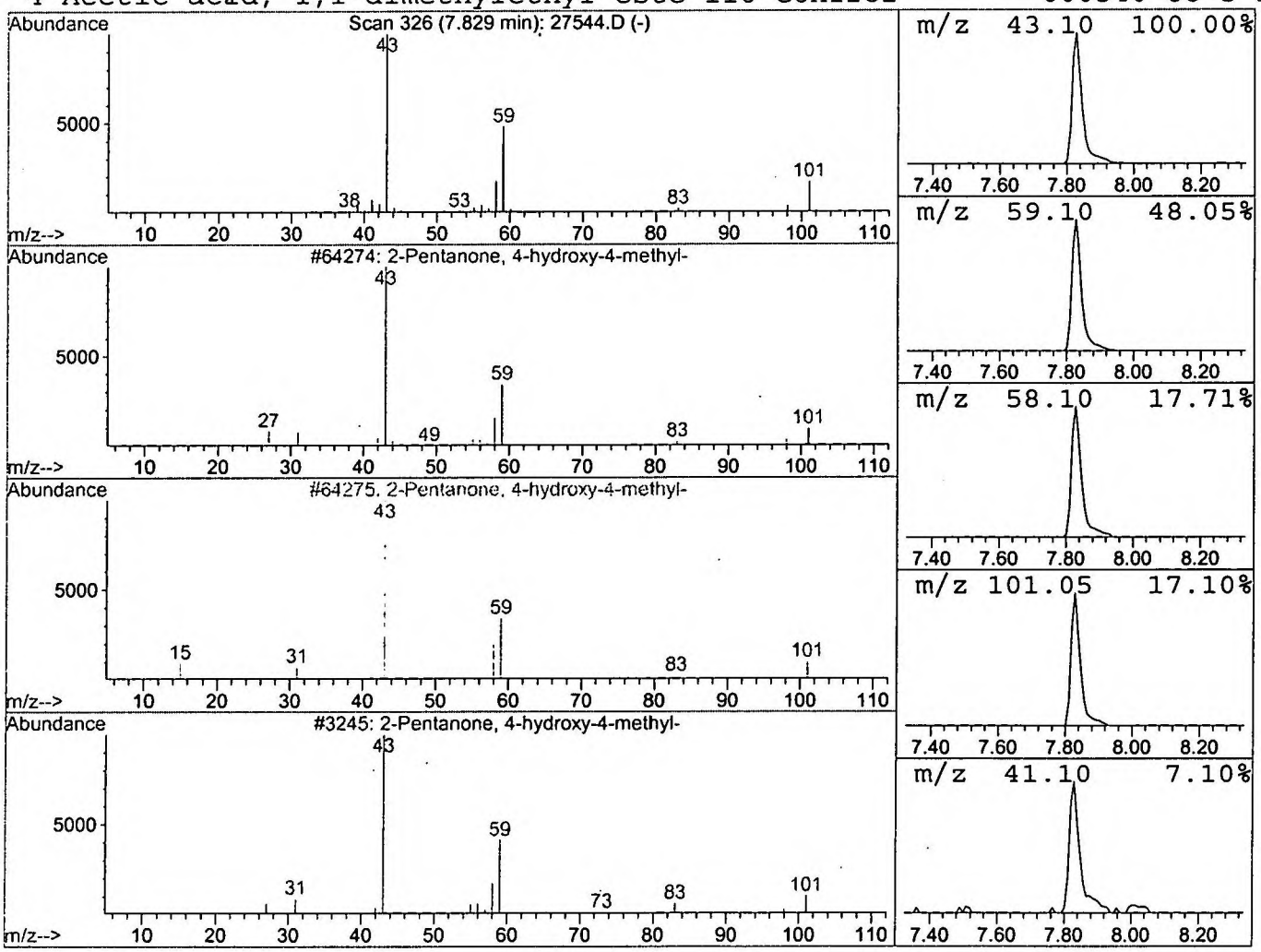
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	2.42 ng/uL	927721	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	59
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\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

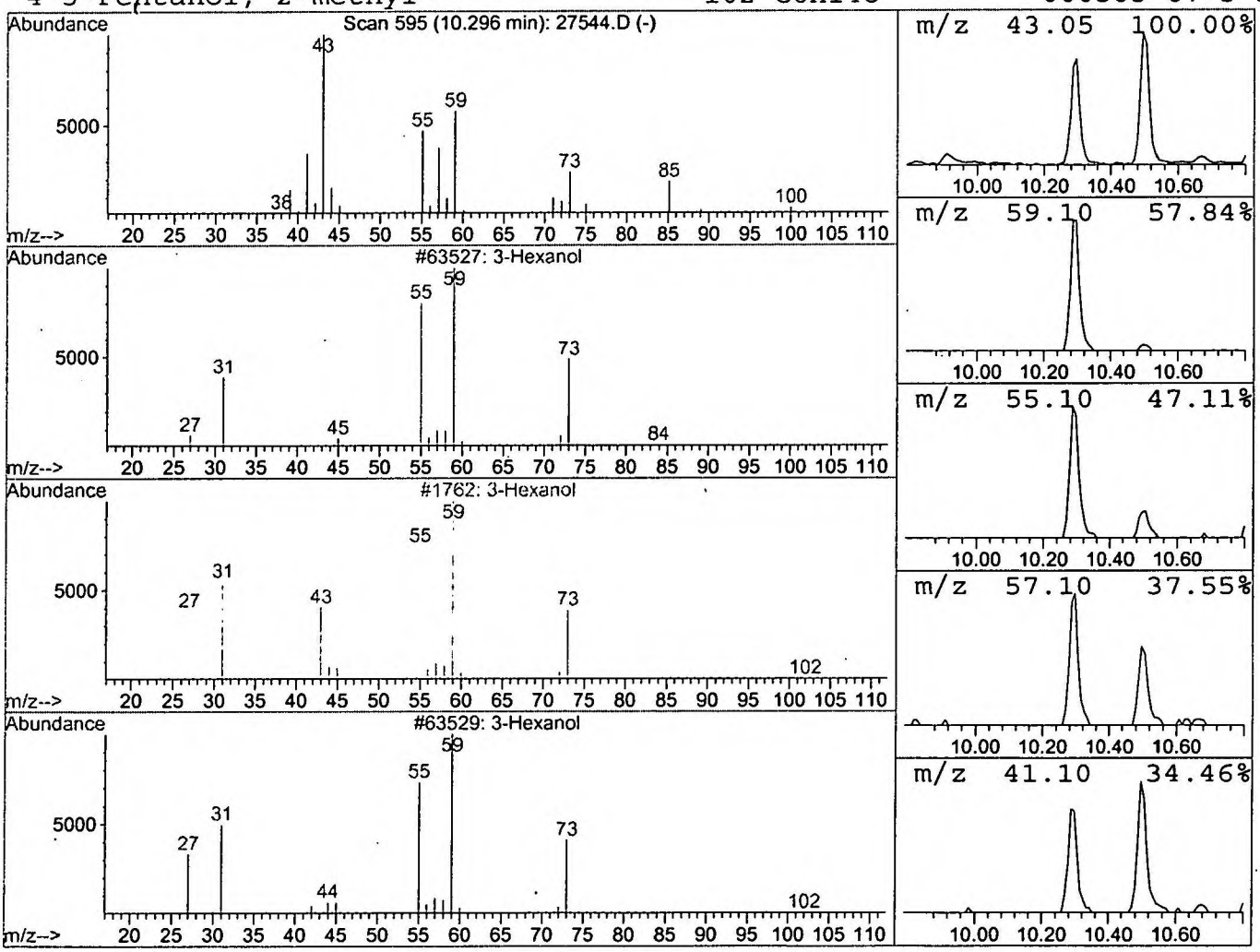
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 3-Hexanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	0.76 ng/uL	293474	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	47
2	3-Hexanol	102	C6H14O	000623-37-0	38
3	3-Hexanol	102	C6H14O	000623-37-0	37
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	32



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

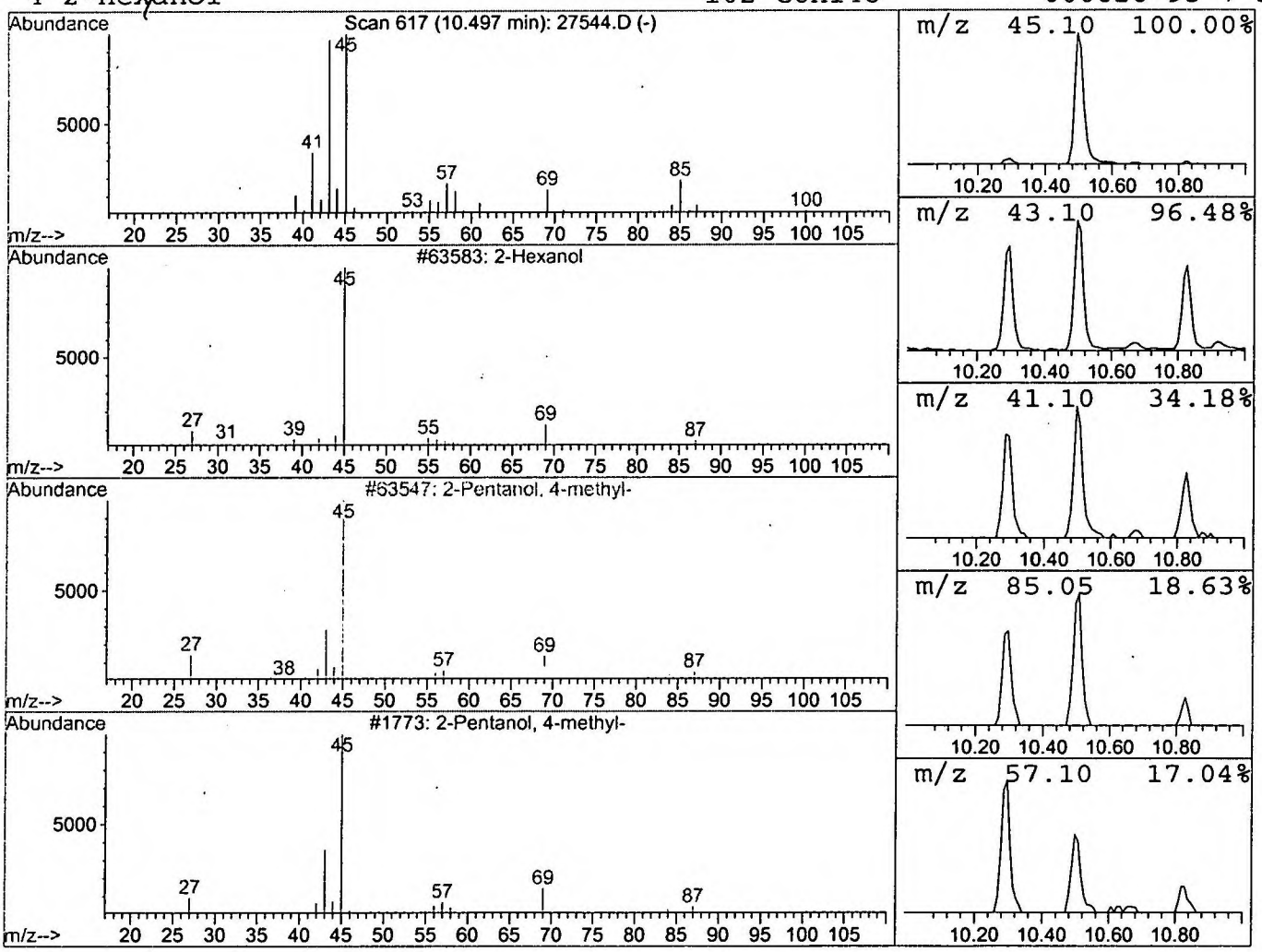
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2-Hexanol — Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	0.87 ng/uL	334196	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	64
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	56
4	2-Hexanol	102	C6H14O	000626-93-7	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\27544.D
Acq On : 13 Dec 2001 12:12 pm
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

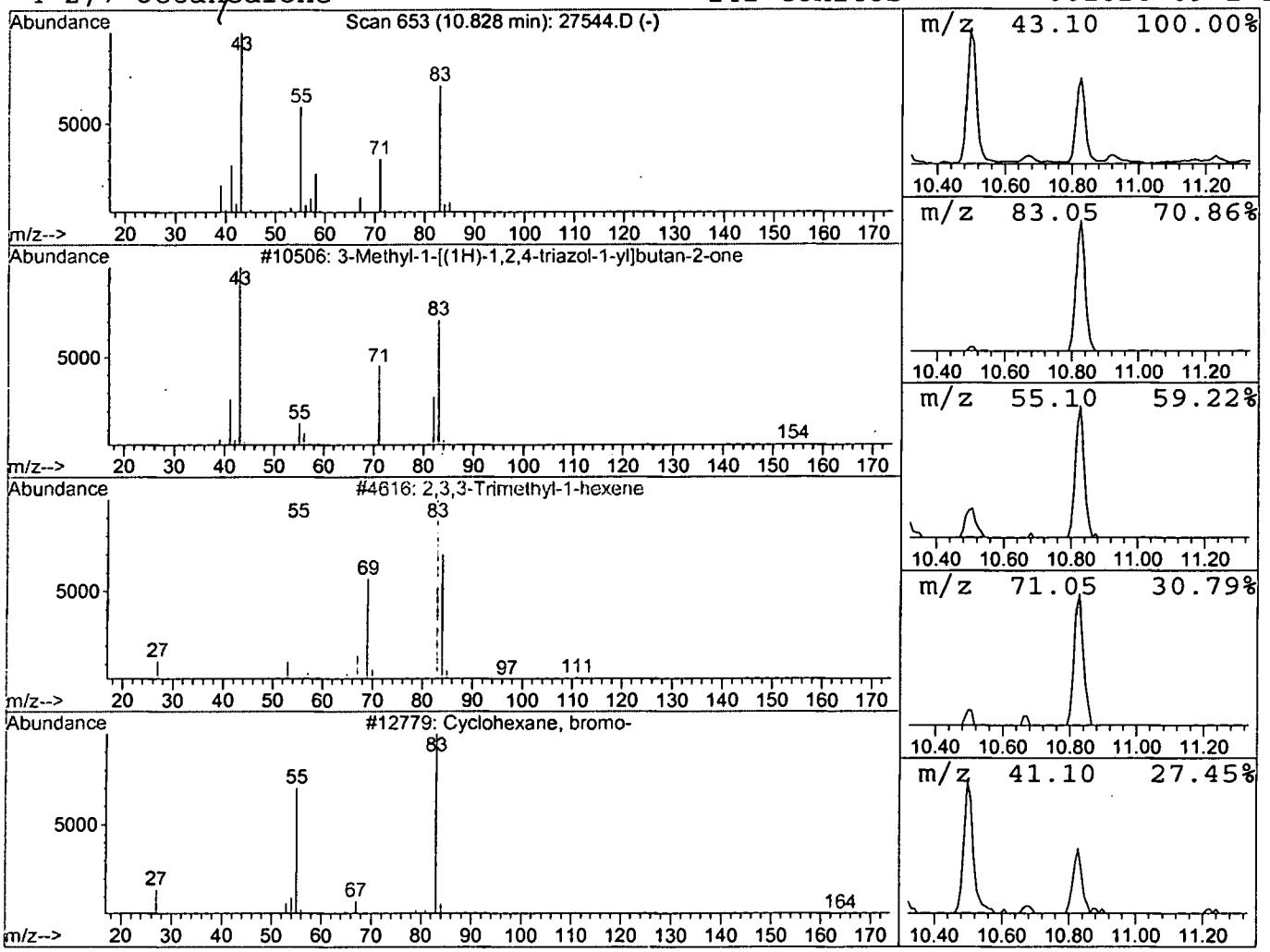
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 3-Methyl-1-[(1H)-1,2,4-triazol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	0.54 ng/uL	206815	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-1-[(1H)-1,2,4-triazol-1-yl	153	C7H11N3O	064922-02-7	23
2	2,3,3-Trimethyl-1-hexene	126	C9H18	000000-00-0	17
3	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	17
4	2,7-Octanedione	142	C8H14O2	001626-09-1	12



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 13 Dec 2001 12:12 pm
Data File: C:\HPCHEM\1\DATA\DEC1301\27544.D
Name: gcms unknown 11/15
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
Cyclobutane	5.20	0.5	ng/uL	200982	ISTD01	11.86	7682550	20.0
2-Hexanone	6.56	0.8	ng/uL	289847	ISTD01	11.86	7682550	20.0
2-Hexanol	6.80	0.5	ng/uL	193044	ISTD01	11.86	7682550	20.0
2-Pentanone, 4-hydro	7.83	2.4	ng/uL	927721	ISTD01	11.86	7682550	20.0
3-Hexanol	10.30	0.8	ng/uL	293474	ISTD01	11.86	7682550	20.0
2-Hexanol	10.50	0.9	ng/uL	334196	ISTD01	11.86	7682550	20.0
3-Methyl-1-[(1H)-1,2	10.83	0.5	ng/uL	206815	ISTD01	11.86	7682550	20.0

27544.D NP112701.M Fri Dec 14 12:54:00 2001