User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/17/2001 Time: 10:57:30

Sample: AD23719
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/17/01 10:15 Ended: 10/17/01 10:15 Analyst: MG
Page: 1

	Component Name	Vio	Result
1	Other unknown compounds		see comment

Comments for Sample AD23719 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 10-17-2001 Time: 10:57:35

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\OCT1501\23719.D Vial: 15
Acq On : 16 Oct 2001 1:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 16 14:39 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.77	152	387422	20.00	ug/l	-0.14
19) Naphthalene-d8	15.37	136	1496769	20.00	ug/l	-0.15
31) Acenaphthene-d10	20.65	164	703171	20.00	ug/l	-0.16
49) Phenanthrene-d10	25.09	188	1032528	20.00	ug/l	-0.15
59) Chrysene-d12	33.12	240	727720	20.00	ug/l	-0.16
68) Perylene-d12	37.23	264	529391	20.00	ug/l	-0.19
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	11.77	132	216	0.01	ug/l	0.35
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	12.28	152	3835	0.20	ug/l	-0.15
Spiked Amount 50.000			Recovery =	0.40%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.81	172	1253	0.03	ug/l	0.00
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\OCT1501\23719.D Vial: 15
Acq On : 16 Oct 2001 1:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 16 14:39 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

	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	15.43	128	1126	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	22.16	149	8687	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	25.14	178	2327	N.D.	
56)	Anthracene	25.14	178	2327	N.D.	
57)	Di-n-butylphthalate	27.08	149	2895	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	33.11	228	1715	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.39	149	1359	N.D.	
67)	Chrysene	33.11	228	1715	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\OCT1501\23719.D Vial: 15
Acq On : 16 Oct 2001 1:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 16 14:39 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.	
72) Benzo(a)pyrene	37.23	252	1938	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.	

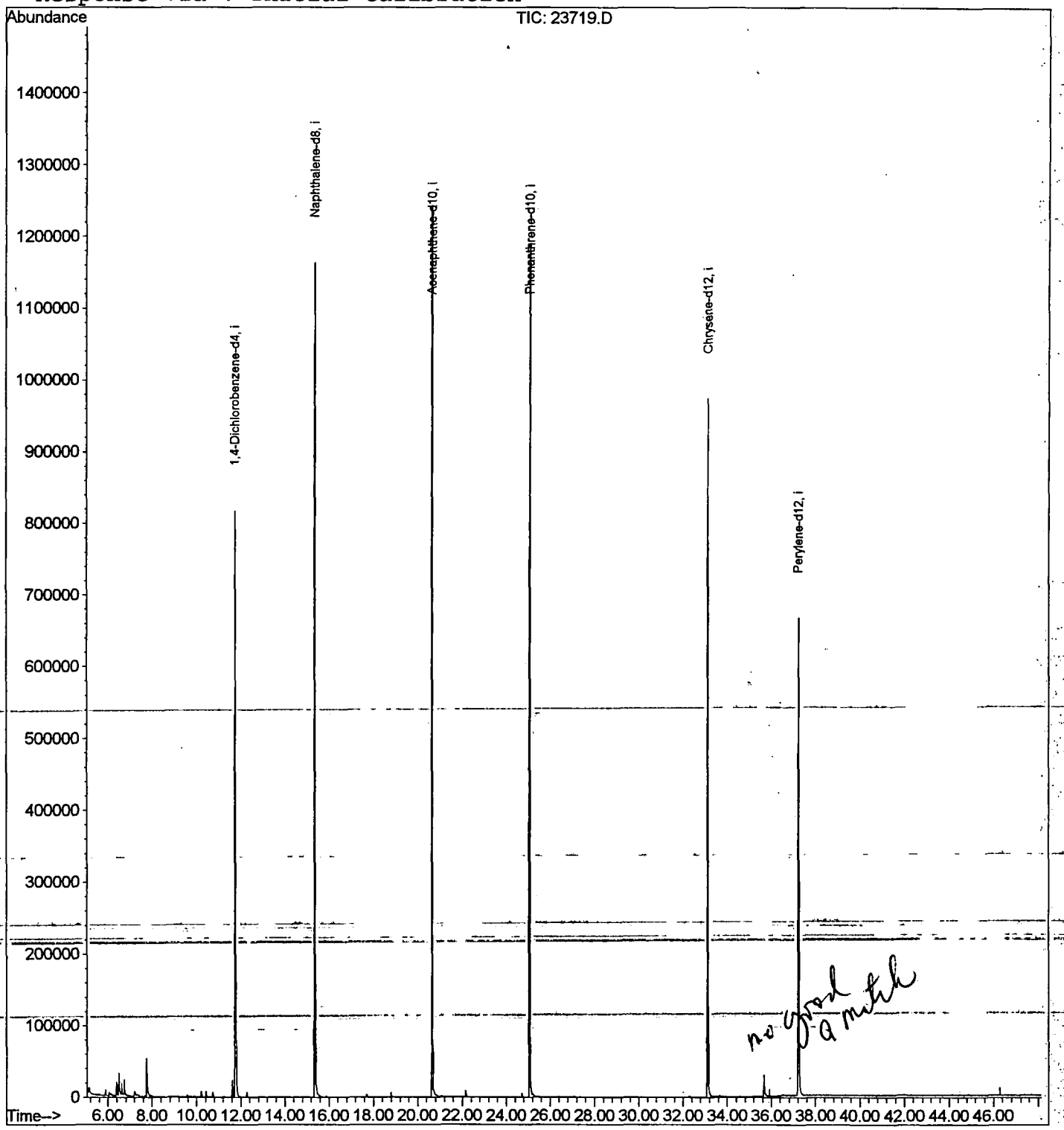
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 16 14:39 2001

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration



no good a match

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
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

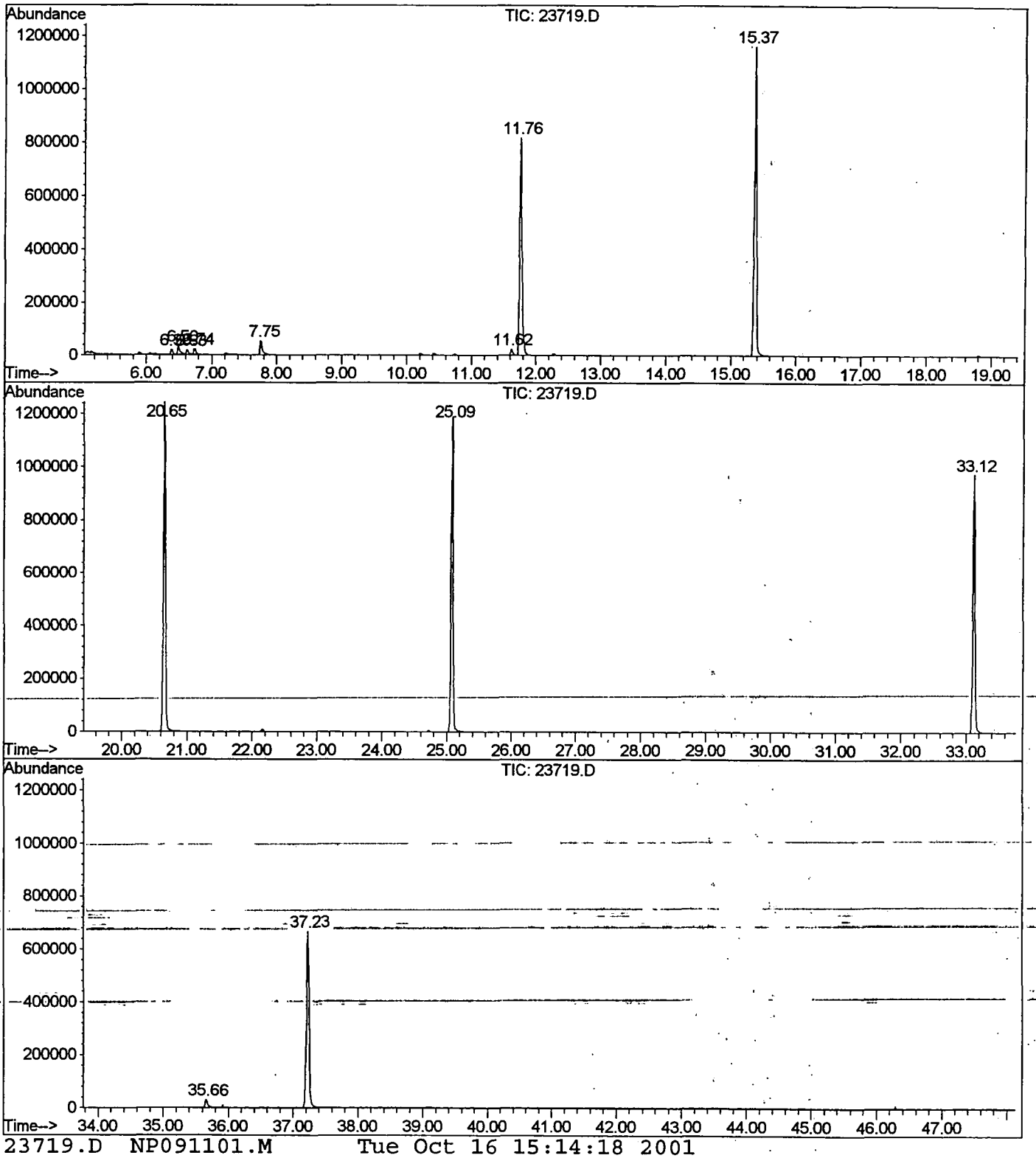
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.387	143	147	153	rBV	19466	40426	1.44%	0.273%
2	6.497	154	159	169	rVV	31944	83739	2.98%	0.565%
3	6.626	169	173	178	rVV	16713	35533	1.26%	0.240%
4	6.736	182	185	195	rVB	21992	50606	1.80%	0.341%
5	7.755	293	296	313	rBV	53004	135026	4.80%	0.911%
6	11.620	712	717	727	rBV	23829	56329	2.00%	0.380%
7	11.757	727	732	749	rVV	817236	2013936	71.65%	13.589%
8	15.375	1119	1126	1140	rBV	1163121	2734043	97.26%	18.448%
9	20.653	1694	1701	1717	rBV	1242402	2810992	100.00%	18.967%
10	25.087	2176	2184	2195	rBV2	1189560	2628186	93.50%	17.734%
11	33.120	3052	3059	3072	rBV2	973708	2247138	79.94%	15.163%
12	35.663	3330	3336	3343	rBV	30661	79348	2.82%	0.535%
13	37.233	3495	3507	3528	rBV2	665495	1905016	67.77%	12.854%

Sum of corrected areas: 14820318

23719.D NP091101.M Tue Oct 16 15:14:16 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Operator : 209 GALOS
Acquired : 16 Oct 2001 1:53 am using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 15
Quant File :NP091101.RES (RTE Integrator)



23719.D NP091101.M Tue Oct 16 15:14:18 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

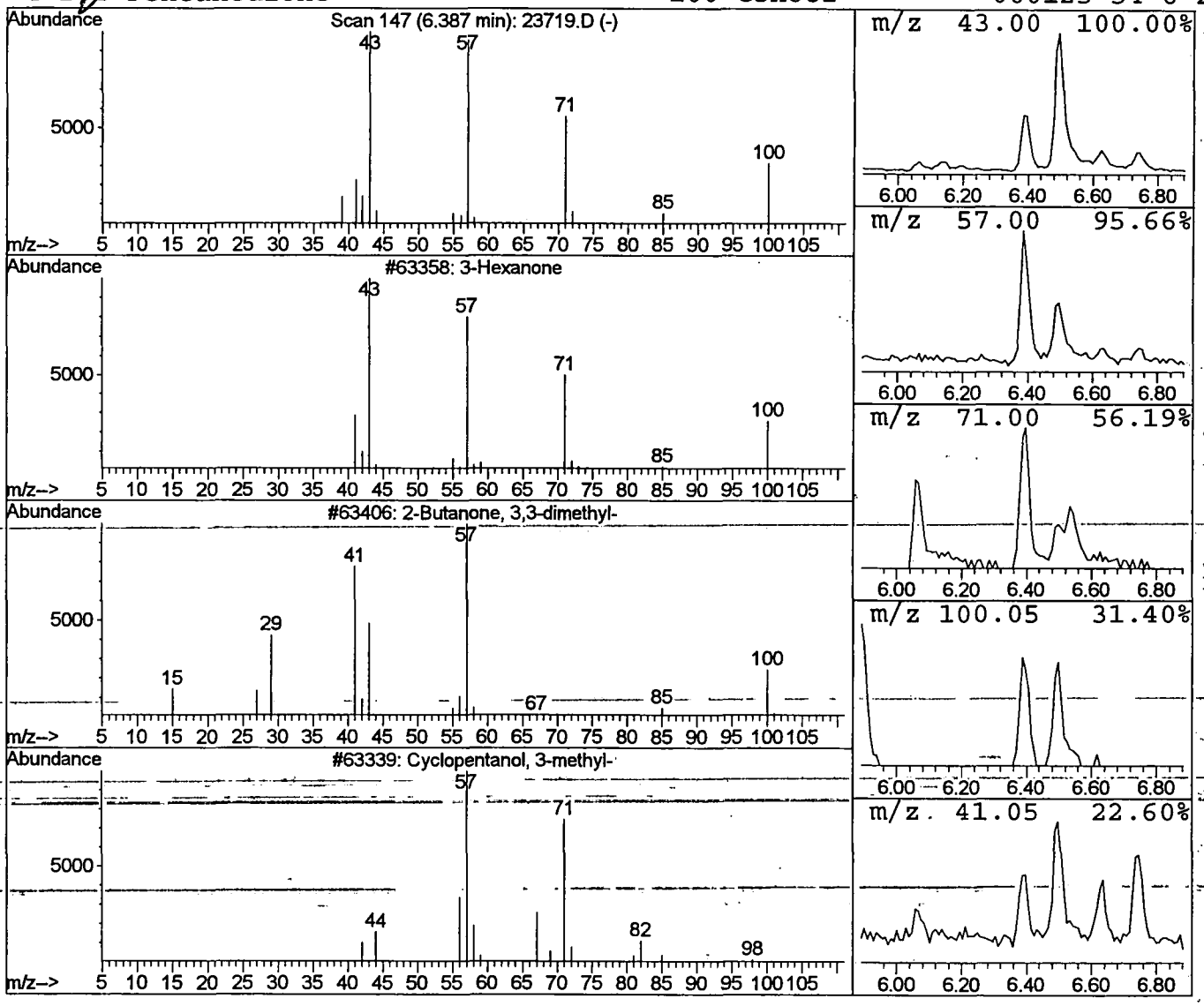
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	0.40 ug/l	40426	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	90
2	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	32
3	Cyclopentanol, 3-methyl-	100	C6H12O	018729-48-1	28
4	2,4-Pentanedione	100	C5H8O2	000123-54-6	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

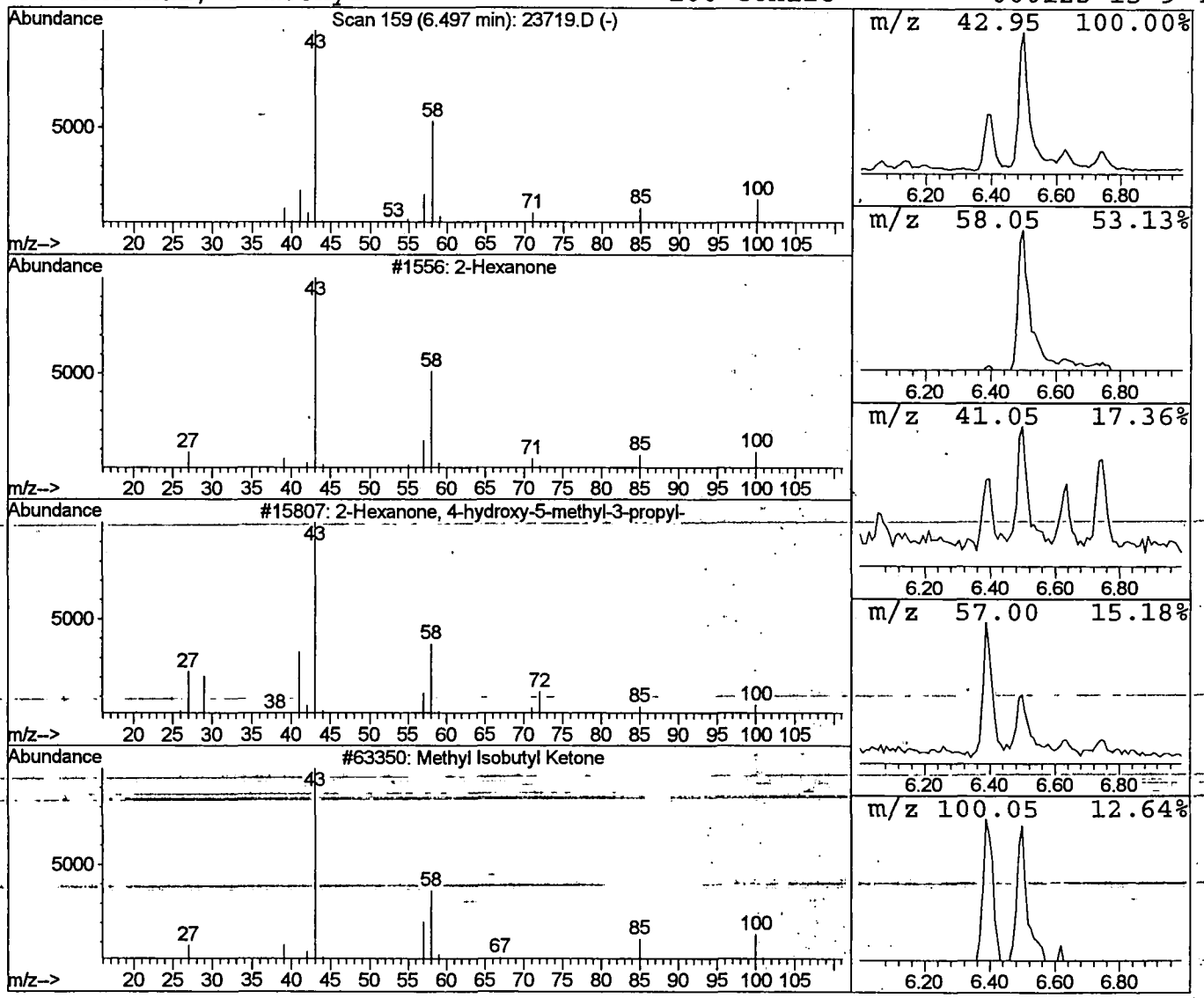
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	0.83 ug/l	83739	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	78
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	58
4	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	42



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

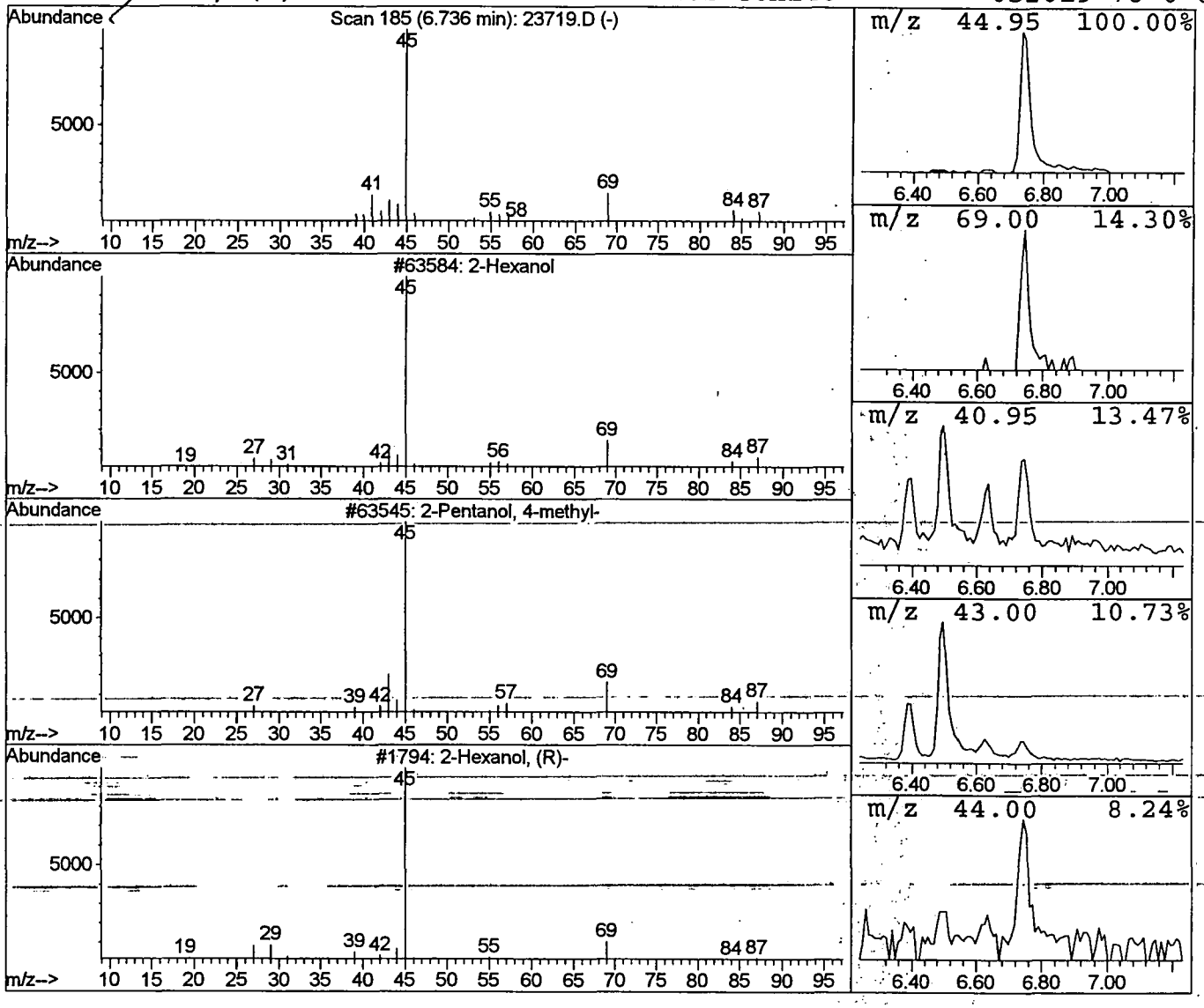
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Hexanol — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	0.50 ug/l	50606	1,4-Dichlorobenzene-d4	11.77

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-Hexanol, (R)-	102	C6H14O	026549-24-6	64
4	2-Hexanol, (S)-	102	C6H14O	052019-78-0	64



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

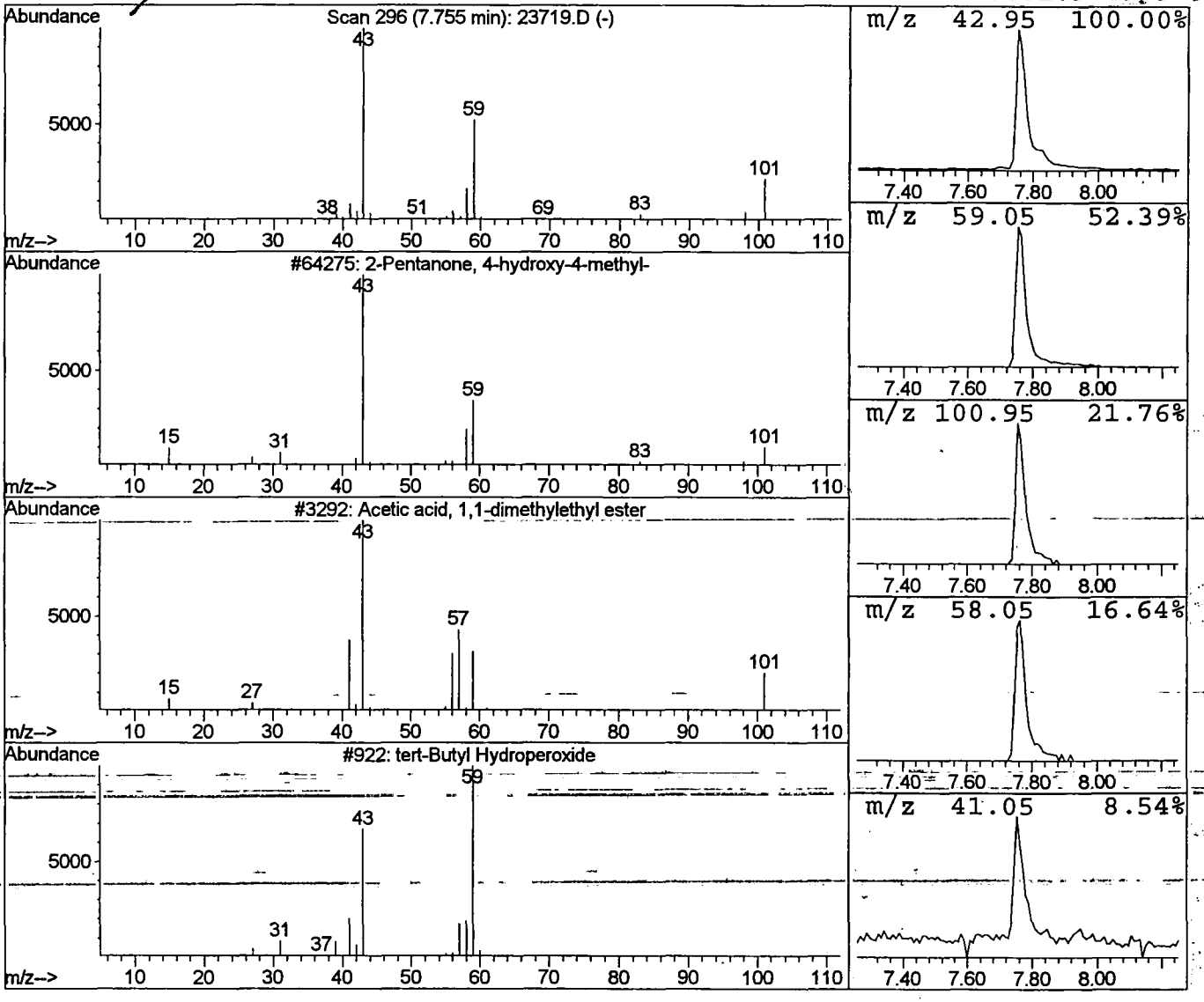
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	1.34 ug/l	135026	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	33
3	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

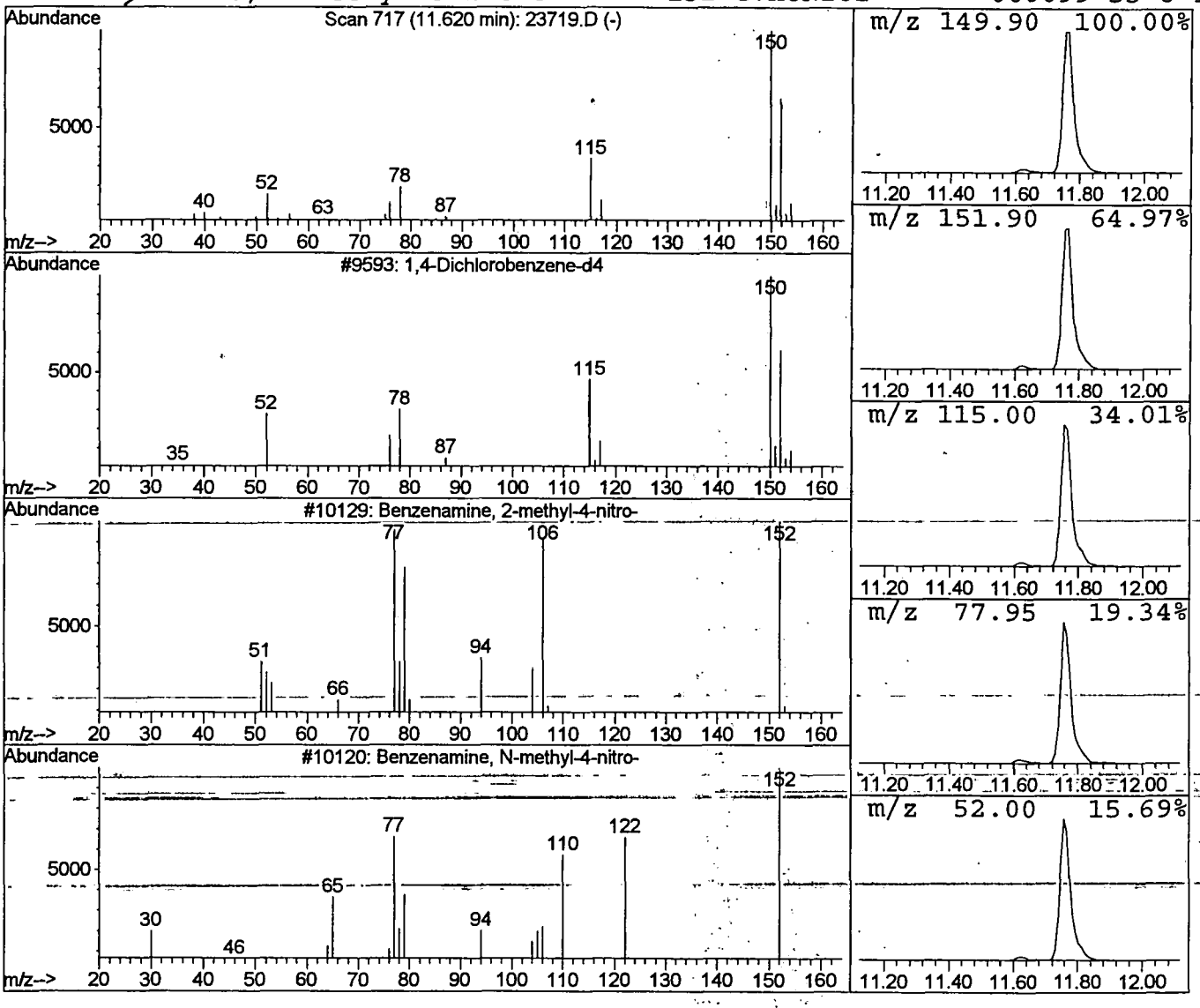
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.56 ug/l	56329	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzenamine, 2-methyl-4-nitro-	152	C7H8N2O2	000099-52-5	14
3	Benzenamine, N-methyl-4-nitro-	152	C7H8N2O2	000100-15-2	14
4	Benzenamine, 2-methyl-5-nitro-	152	C7H8N2O2	000099-55-8	14



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1501\23719.D
Acq On : 16 Oct 2001 1:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

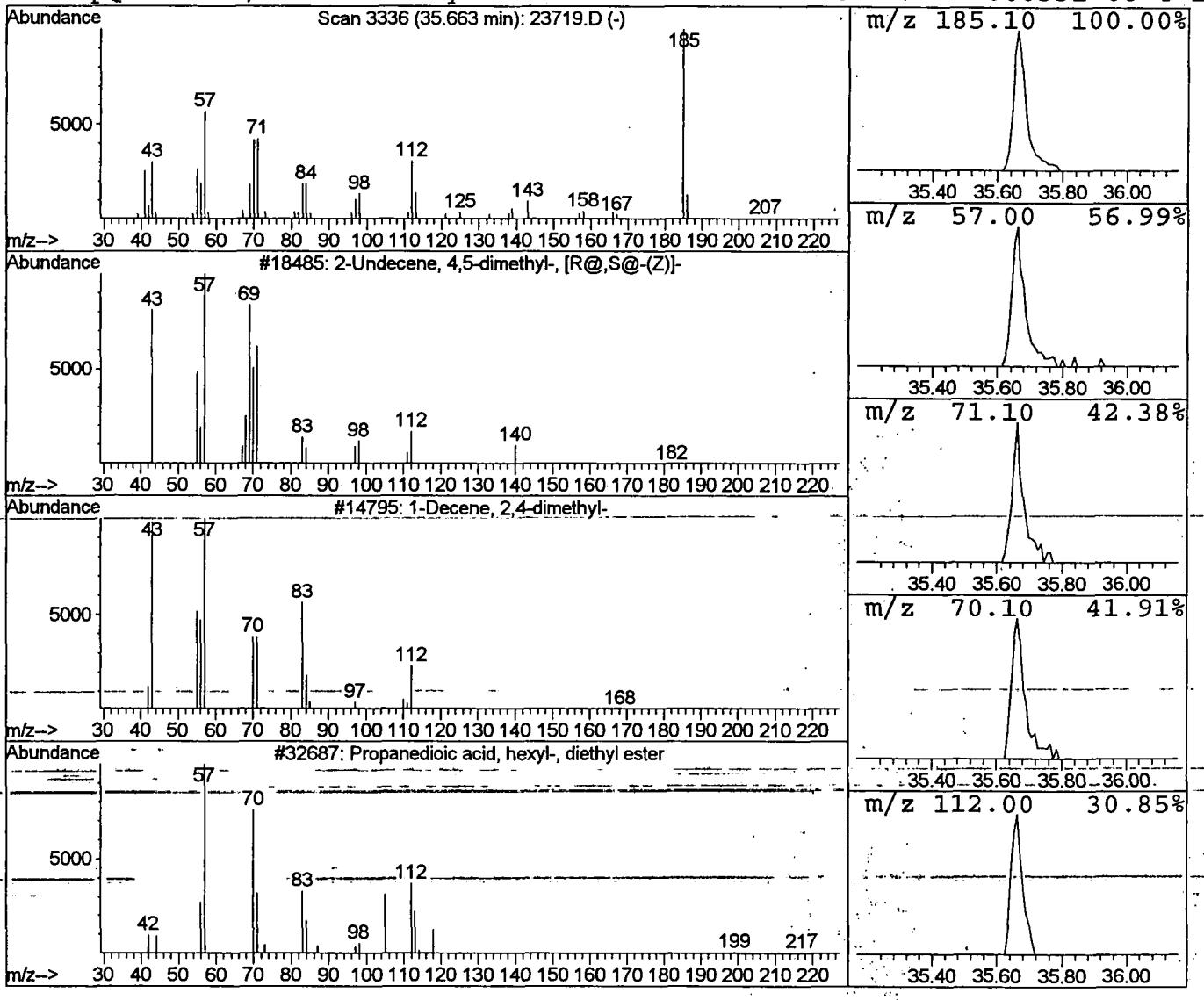
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2-Undecene, 4,5-dimethyl-, [R@ Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.66	0.83 ug/l	79348	Perylene-d12	37.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 4,5-dimethyl-, [R@,S@-(	182	C13H26	055170-93-9	25
2	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	17
3	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	14
4	Naphthalene, 1-isothiocyanato-	185	C11H7NS	000551-06-4	12



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 16 Oct 2001 1:53 am
Data File: C:\HPCHEM\1\DATA\OCT1501\23719.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title: 209 625/TCLP calibration table 7/16/01
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Hexanone	6.39	0.4	ug/l	40426	ISTD01	11.77	2013940	20.0
2-Hexanone	6.50	0.8	ug/l	83739	ISTD01	11.77	2013940	20.0
2-Hexanol	6.74	0.5	ug/l	50606	ISTD01	11.77	2013940	20.0
2-Pentanone, 4-hydro	7.75	1.3	ug/l	135026	ISTD01	11.77	2013940	20.0
1,4-Dichlorobenzene-	11.62	0.6	ug/l	56329	ISTD01	11.77	2013940	20.0
2-Undecene, 4,5-dime	35.66	0.8	ug/l	79348	ISTD06	37.23	1905020	20.0

23719.D NP091101.M Tue Oct 16 15:14:33 2001