NYC 9/11 Public Portal Document

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/11/2001 Time: 09:40:13

Sample: AD22774
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 10/11/01 09:14 Ended: 10/11/01 09:14 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD22774 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 10-11-2001 Time: 09:40:52

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.

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D Vial: 21
Acq On : 29 Sep 2001 8:03 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 1 11:20 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.79	152	442661	20.00	ug/l	-0.12
19) Naphthalene-d8	15.41	136	1712270	20.00	ug/l	-0.12
31) Acenaphthene-d10	20.68	164	801130	20.00	ug/l	-0.13
49) Phenanthrene-d10	25.12	188	1131451	20.00	ug/l	-0.12
59) Chrysene-d12	33.16	240	801299	20.00	ug/l	-0.12
68) Perylene-d12	37.27	264	599341	20.00	ug/l	-0.15
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	0.00	132	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
7) 1,2-Dichlorobenzene-d4	12.30	152	4906	0.23	ug/l	-0.13
Spiked Amount 50.000			Recovery =	0.46%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.84	172	1678	0.03	ug/l	0.03
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

NYC-WTC_000087435

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D Vial: 21
Acq On : 29 Sep 2001 8:03 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 1 11:20 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 : Thu Sep 13 12:47:04 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	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	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	25.12	178	243	N.D.	
56)	Anthracene	25.12	178	243	N.D.	
57)	Di-n-butylphthalate	27.11	149	3603	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	33.16	228	1799	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.42	149	8660	N.D.	
67)	Chrysene	33.16	228	1799	N.D.	
69)	Di-n-Octylphthalate	35.18	149	592	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

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

NYC-WTC_000087436

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D Vial: 21
Acq On : 29 Sep 2001 8:03 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 1 11:20 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 : Thu Sep 13 12:47:04 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	37.27	252	2298	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

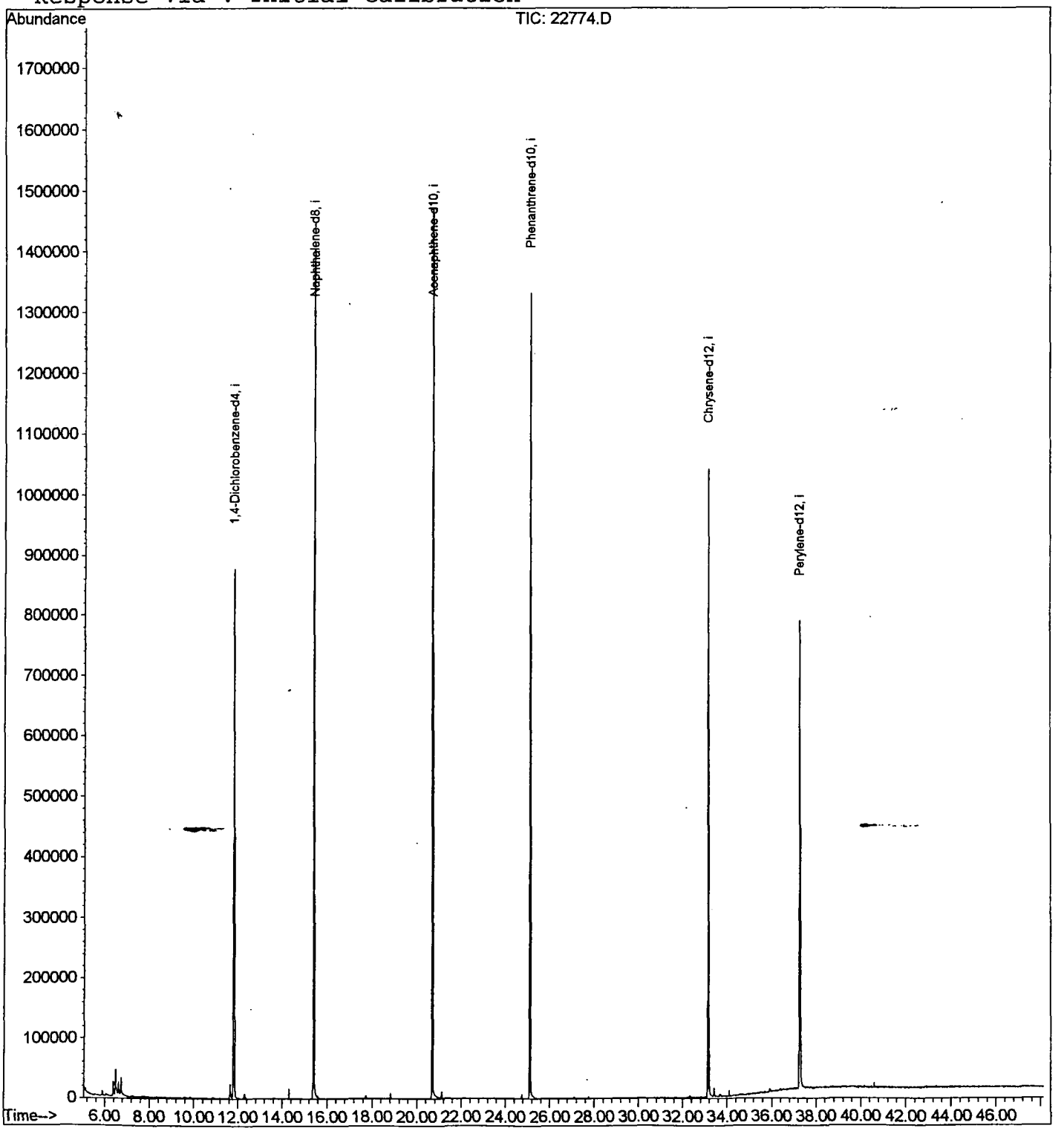
NYC-WTC_000087437

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D Vial: 21
Acq On : 29 Sep 2001 8:03 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 1 11:20 2001 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



NYC-WTC_000087438

NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D Vial: 21
Acq On : 29 Sep 2001 8:03 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\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	6.382	141	146	153	rBV	23936	55835	1.76%	0.338%
2	6.483	153	157	168	rVV	42656	115671	3.65%	0.701%
3	6.621	168	172	180	rVV	21490	52965	1.67%	0.321%
4	6.731	180	184	195	rVB	28101	64640	2.04%	0.392%
5	11.642	713	719	729	rBV	23566	60064	1.89%	0.364%
6	11.789	729	735	754	rVV	875741	2288372	72.12%	13.868%
7	15.397	1122	1128	1145	rBV	1402636	3127058	98.55%	18.951%
8	20.685	1698	1704	1717	rBV	1471031	3172979	100.00%	19.229%
9	25.119	2180	2187	2199	rBV	1329850	2905074	91.56%	17.606%
10	33.161	3054	3063	3076	rBV2	1041115	2492999	78.57%	15.108%
11	37.274	3503	3511	3521	rBV2	772323	2165145	68.24%	13.121%

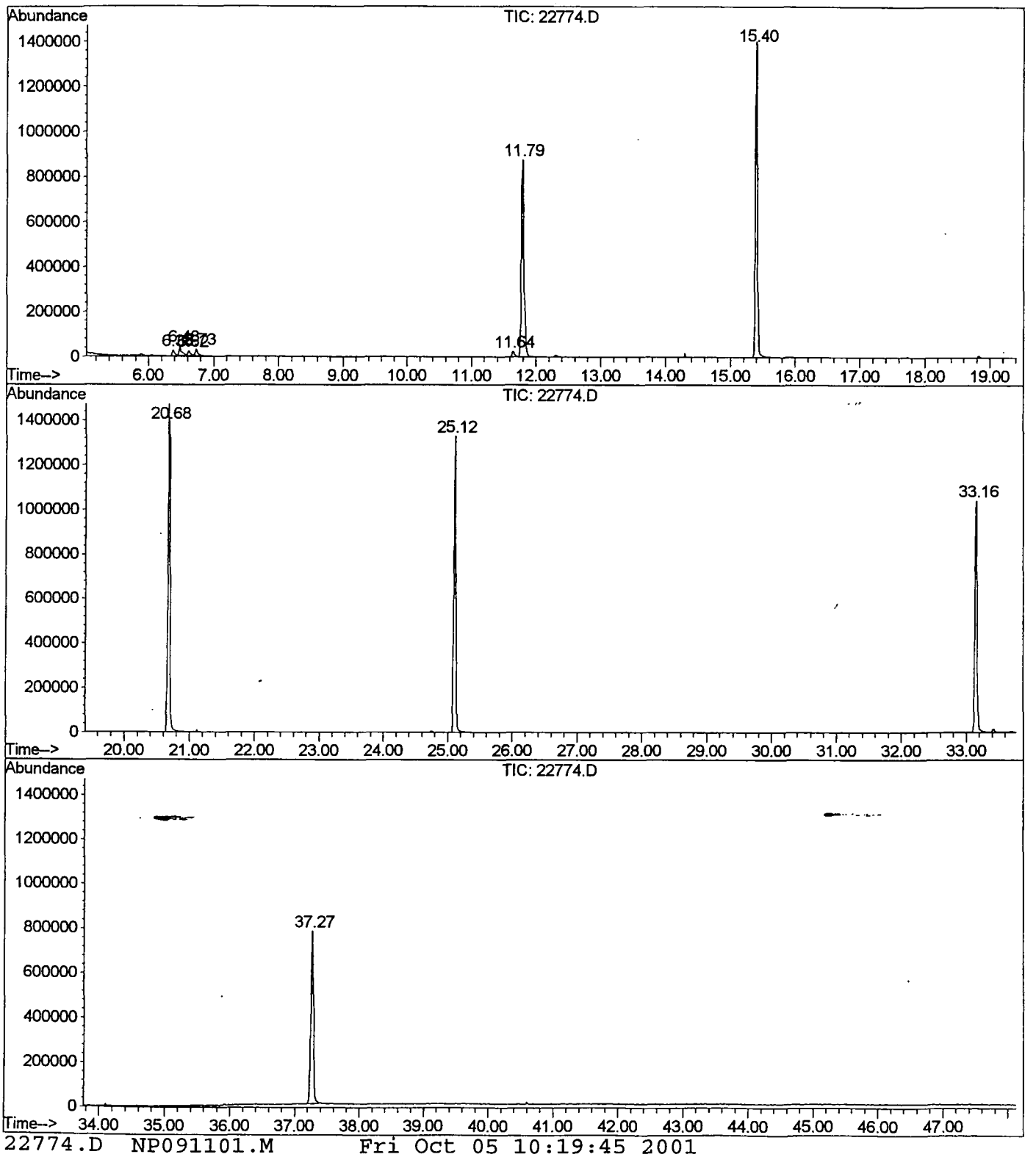
Sum of corrected areas: 16500802

22774.D NP091101.M Fri Oct 05 10:19:43 2001

NYC-WTC_000087439

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2801\22774.D
Operator : 209 GALOS
Acquired : 29 Sep 2001 8:03 am using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 21
Quant File :NP091101.RES (RTE Integrator)



22774.D NP091101.M Fri Oct 05 10:19:45 2001

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D
Acq On : 29 Sep 2001 8:03 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

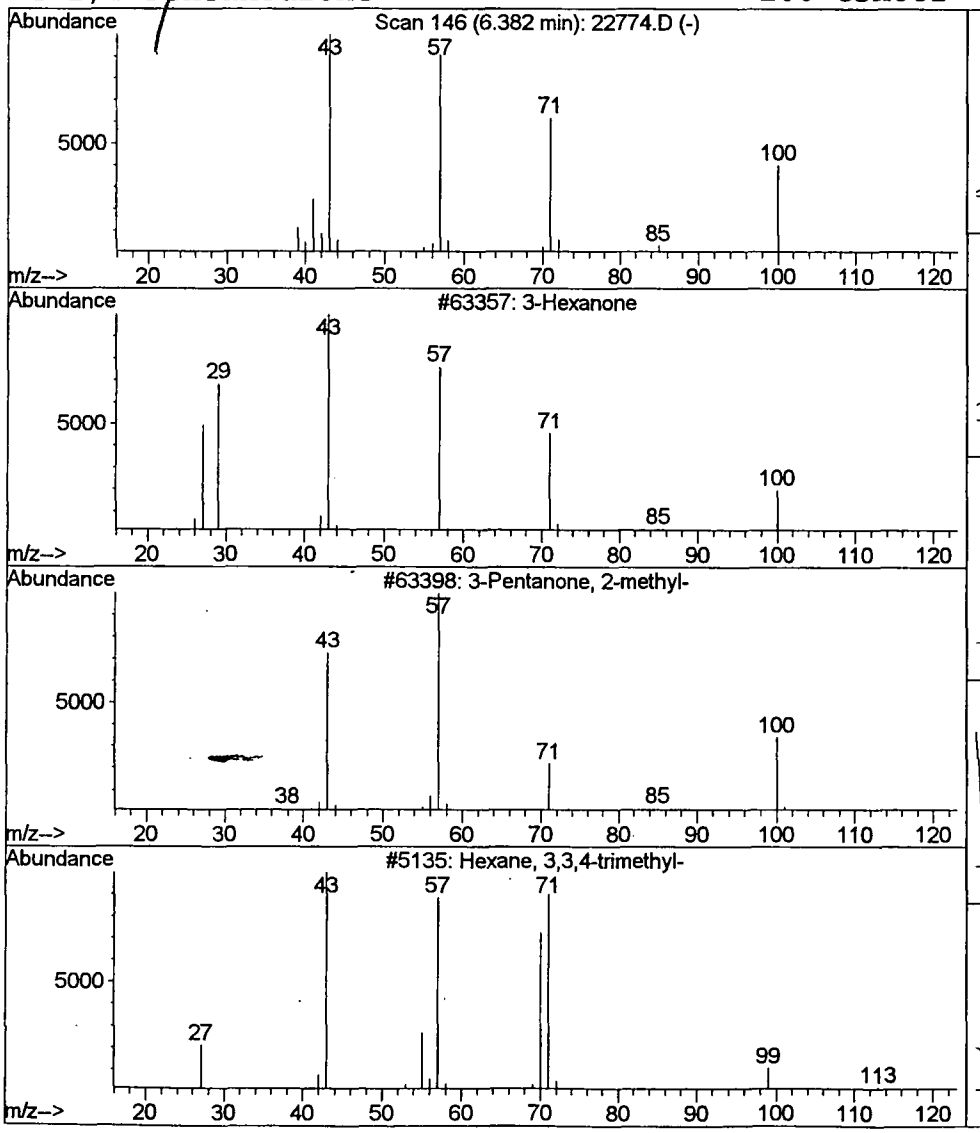
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

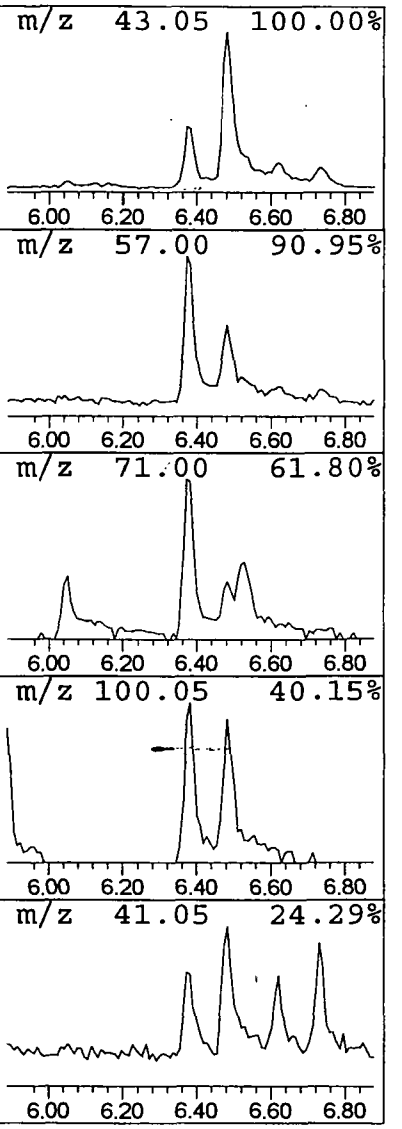
****

Peak Number 1 3-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	0.49 ug/l	55835	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	72
2	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	50
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	50
4	2,4-Pentanedione	100	C5H8O2	000123-54-6	43





NYC-WTC_000087441

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D
Acq On : 29 Sep 2001 8:03 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

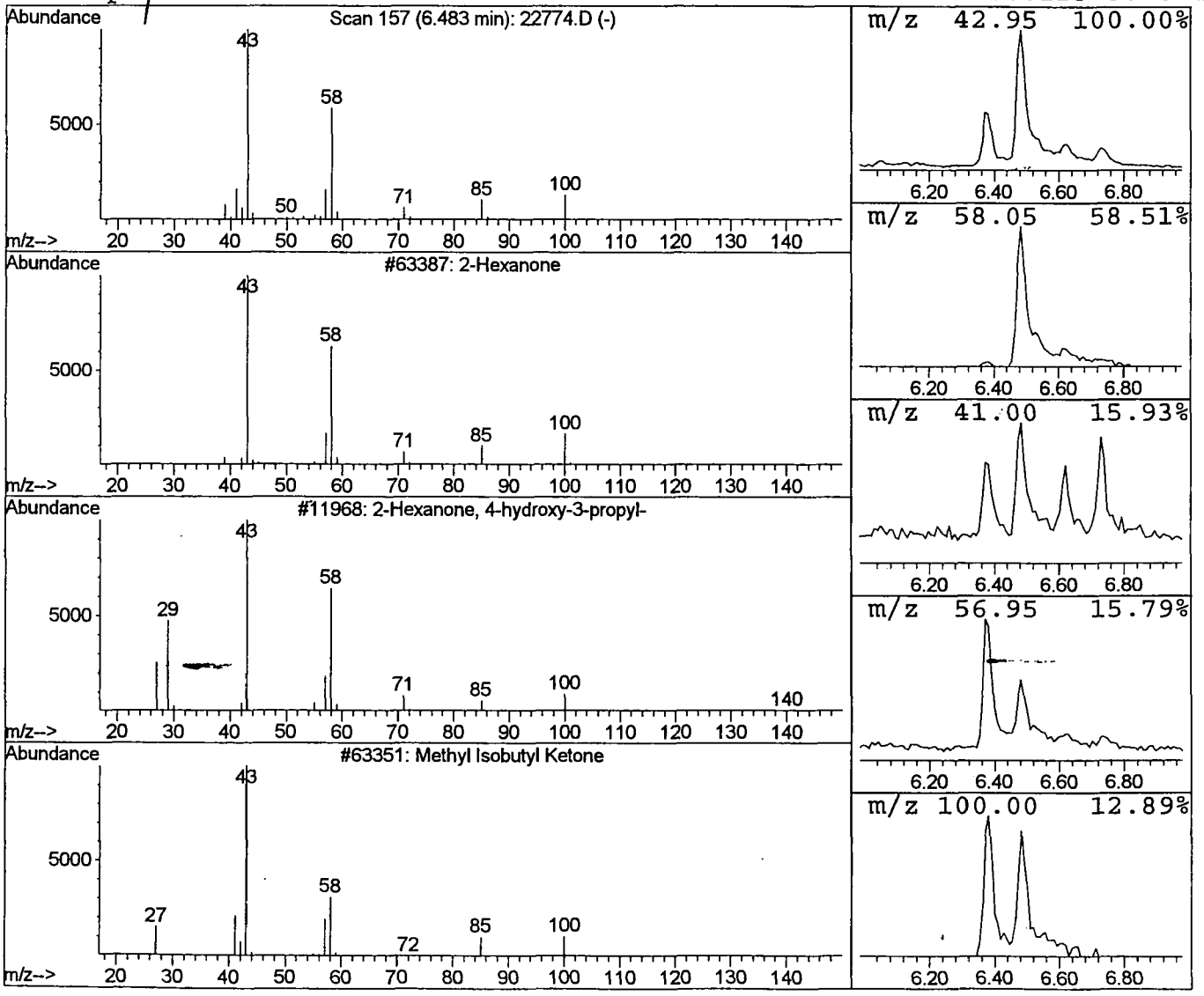
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	1.01 ug/l	115671	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, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	64
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	58
4	Propanal	58	C3H6O	000123-38-6	43



NYC-WTC_000087442

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D
Acq On : 29 Sep 2001 8:03 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

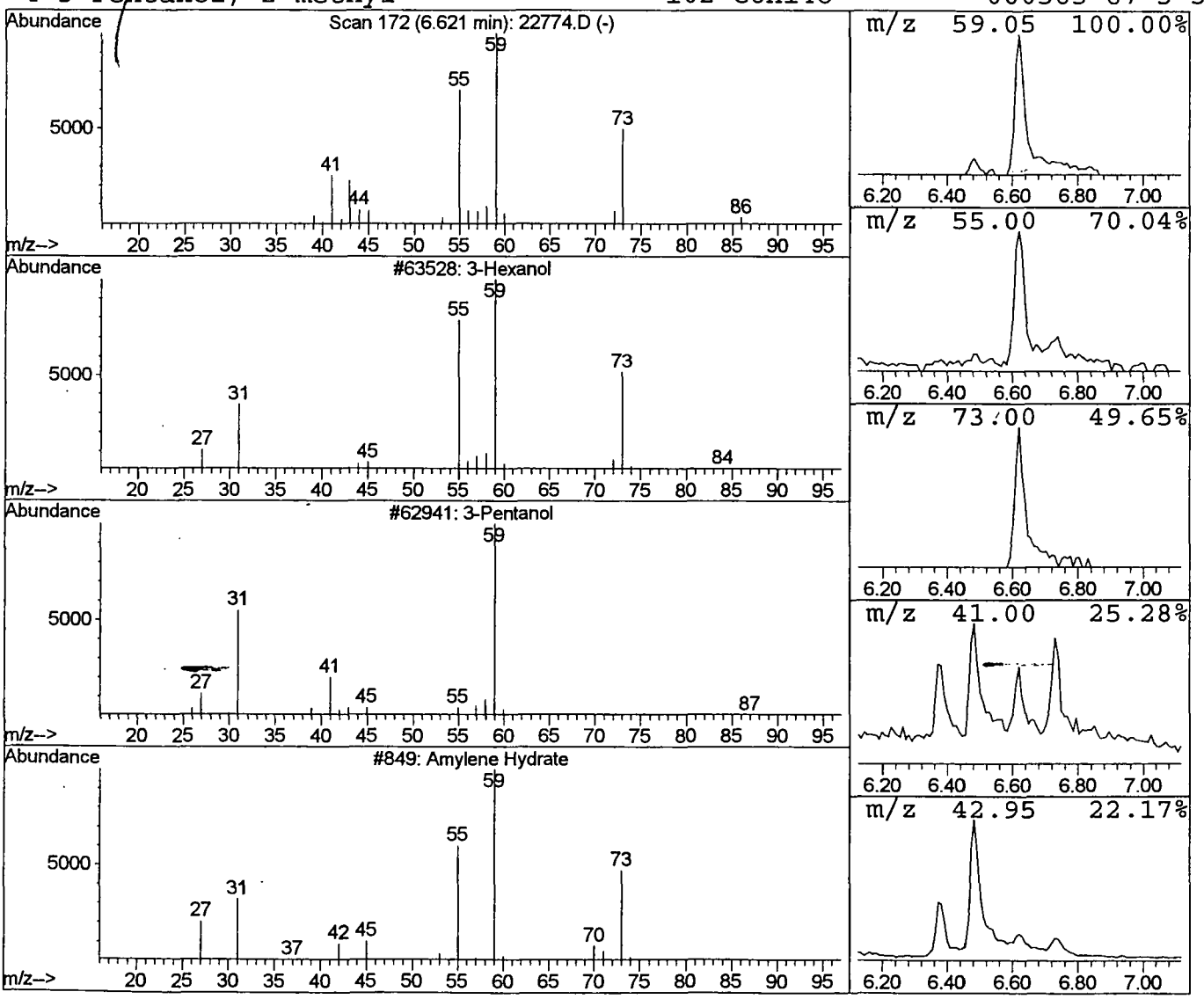
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	0.46 ug/l	52965	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	3-Pentanol	88	C5H12O	000584-02-1	50
3	Amylene Hydrate	88	C5H12O	000075-85-4	39
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	39



NYC-WTC_000087443

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D
Acq On : 29 Sep 2001 8:03 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

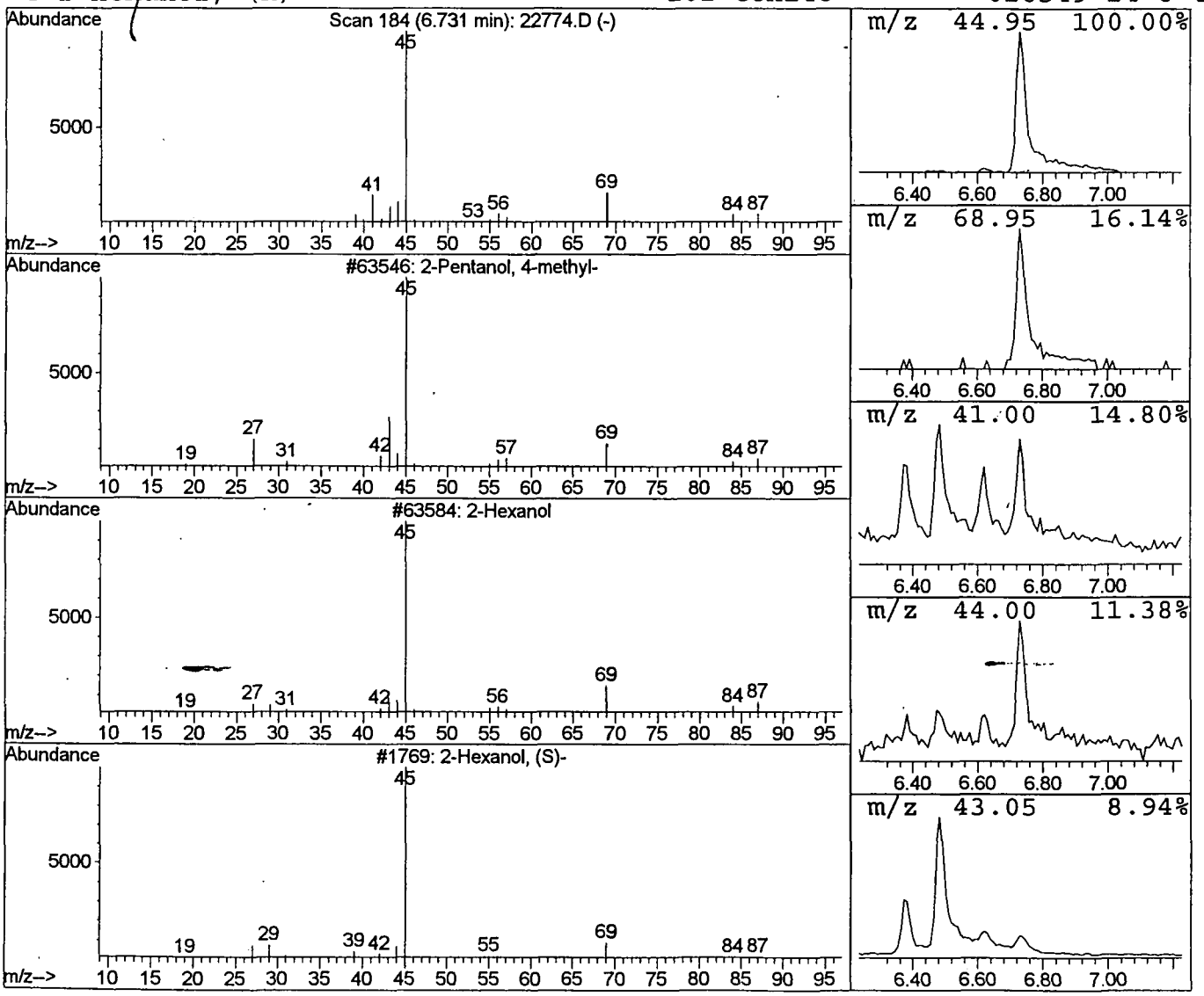
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	0.56 ug/l	64640	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	78
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Hexanol, (S)-	102	C6H14O	052019-78-0	40
4	2-Hexanol, (R)-	102	C6H14O	026549-24-6	40



NYC-WTC_000087444

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22774.D
Acq On : 29 Sep 2001 8:03 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

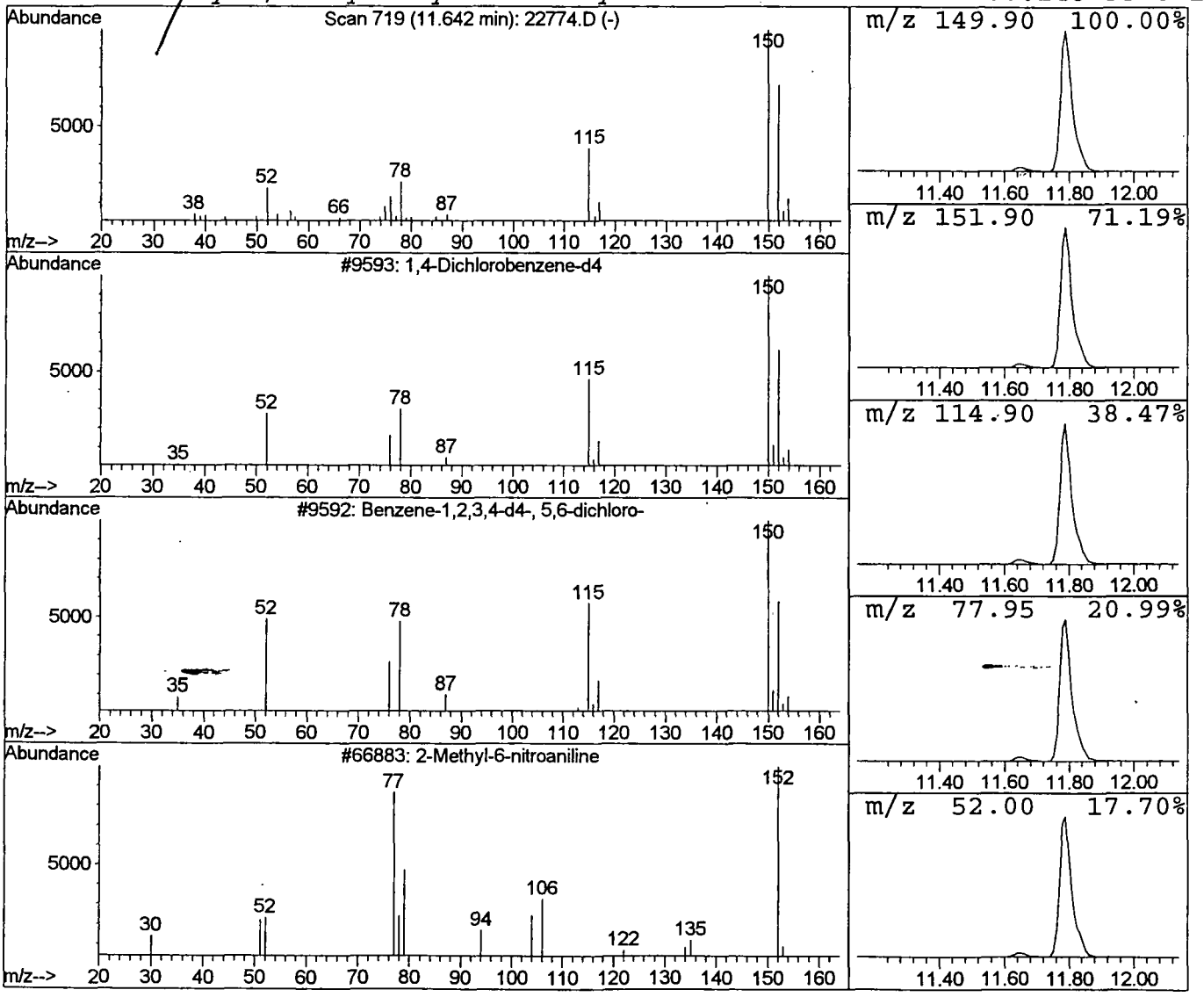
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 1,4-Dichlorobenzene-d4 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	0.52 ug/l	60064	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	64
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	32
3	2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	10
4	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	10



NYC-WTC_000087445

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Sep 2001 8:03 am
Data File: C:\HPCHEM\1\DATA\SEP2801\22774.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	6.38	0.5	ug/l	55835	ISTD01	11.79	2288370	20.0
2-Hexanone	6.48	1.0	ug/l	115671	ISTD01	11.79	2288370	20.0
3-Hexanol	6.62	0.5	ug/l	52965	ISTD01	11.79	2288370	20.0
2-Pentanol, 4-methyl	6.73	0.6	ug/l	64640	ISTD01	11.79	2288370	20.0
1,4-Dichlorobenzene-	11.64	0.5	ug/l	60064	ISTD01	11.79	2288370	20.0

22774.D NP091101.M Fri Oct 05 10:19:58 2001