User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/03/2002 Time: 09:14:54

Sample: AD28308
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/3/02 09:13 Ended: 1/3/02 09:13 Analyst: MG
Page: 1

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

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D Vial: 40
Acq On : 22 Dec 2001 4:43 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	11.78	152	854726	20.00	ng/uL	-0.15
19) Naphthalene-d8	15.40	136	3408190	20.00	ng/uL	-0.15
31) Acenaphthene-d10	20.67	164	1506619	20.00	ng/uL	-0.15
49) Phenanthrene-d10	25.08	188	2262403m	20.00	ng/uL	-0.16
59) Chrysene-d12	33.09	240	1603093	20.00	ng/uL	-0.16
68) Perylene-d12	37.16	264	1045480	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	395	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	18.82	172	1507	0.02	ng/uL	-0.01
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

NYC-WTC_000035382

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D Vial: 40
Acq On : 22 Dec 2001 4:43 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

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	15617	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

NYC-WTC_000035383

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D Vial: 40
Acq On : 22 Dec 2001 4:43 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

	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	33.09	228	3703	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.35	149	1785	N.D.	
67)	Chrysene	33.09	228	3703	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	37.17	252	3616	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_000035384

NYC 9/11 Public Portal Document

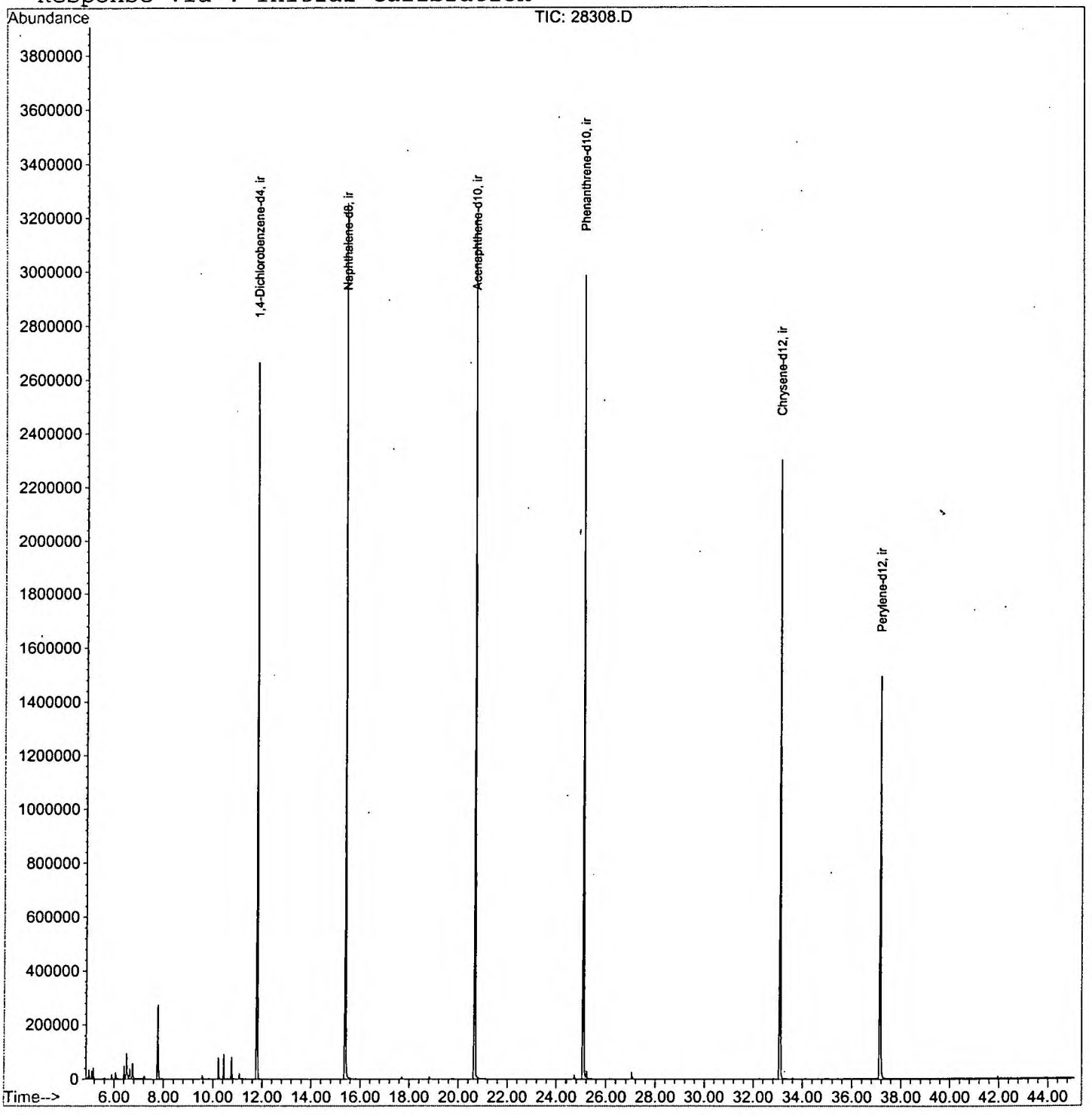
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D
Acq On : 22 Dec 2001 4:43 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 28 9:02 2001

Vial: 40
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 : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration



NYC-WTC_000035385

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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D Vial: 40
Acq On : 22 Dec 2001 4:43 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	6.402	165	170	175	rBV	50842	93998	1.34%	0.257%
2	6.503	175	181	184	rBV	94199	170851	2.43%	0.467%
3	6.631	192	195	203	rVB	39133	74514	1.06%	0.204%
4	6.741	203	207	218	rBV	58786	124418	1.77%	0.340%
5	7.768	315	319	330	rBV	273991	549333	7.83%	1.502%
6	10.226	583	587	593	rBB	81500	137030	1.95%	0.375%
7	10.437	605	610	617	rBB	92833	157569	2.25%	0.431%
8	10.758	641	645	650	rBV	82630	144880	2.06%	0.396%
9	11.785	752	757	767	rBV	2665977	5410147	77.10%	14.796%
10	15.398	1144	1151	1167	rBV	3254658	7017150	100.00%	19.190%
11	20.670	1719	1726	1739	rBV	3198701	6766525	96.43%	18.505%
12	25.081	2200	2207	2218	rBV2	2984456	6498310	92.61%	17.771%
13	33.087	3073	3080	3095	rBV2	2300092	5351929	76.27%	14.636%
14	37.158	3516	3524	3538	rBV2	1490955	4069265	57.99%	11.129%

Sum of corrected areas: 36565919

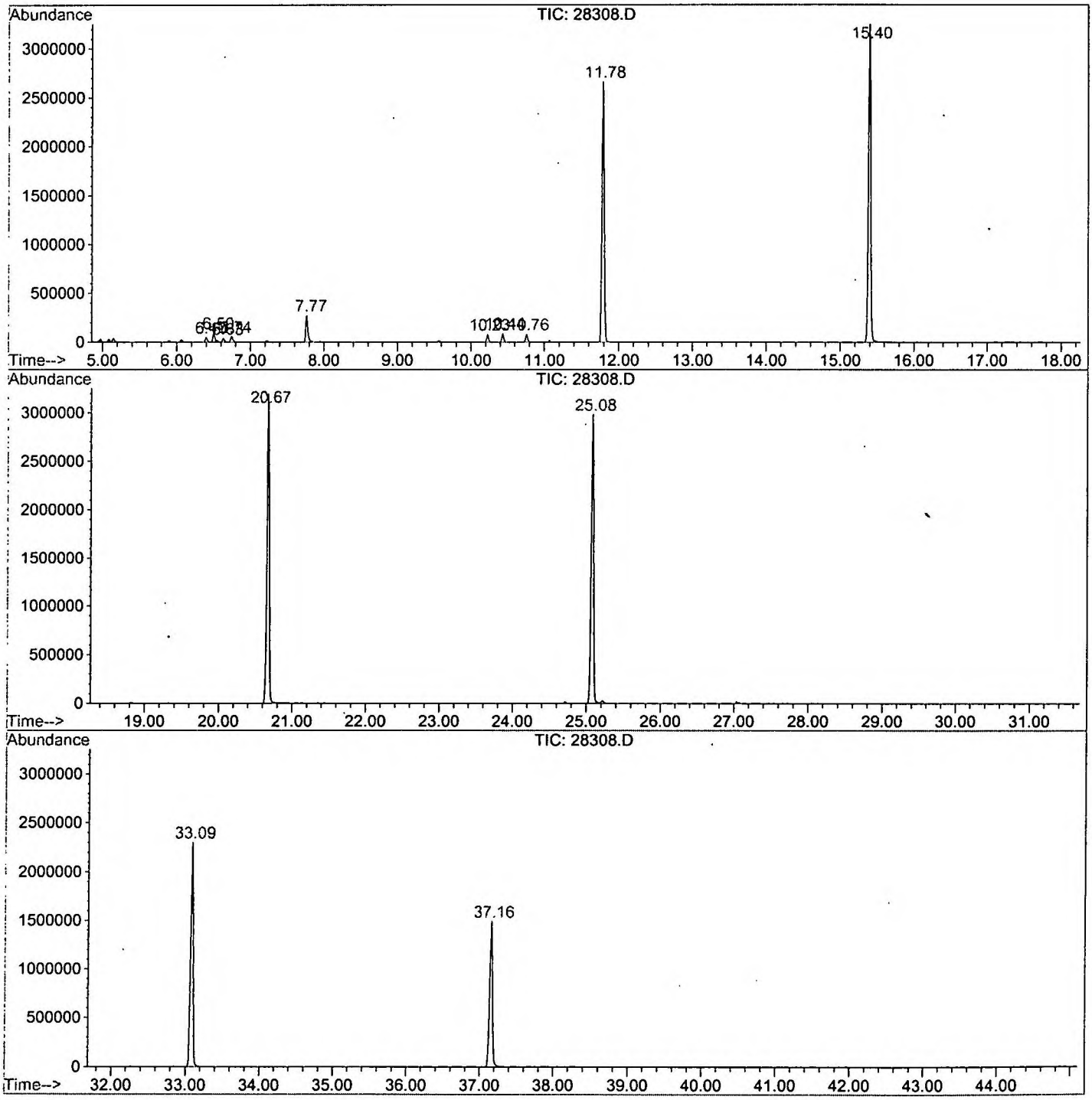
28308.D NP112701.M Fri Dec 28 09:09:24 2001

NYC-WTC_000035386

NYC 9/11 Public Portal Document

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC2101\28308.D
Operator : GALOS
Acquired : 22 Dec 2001 4:43 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/26
Misc Info :
Vial Number: 40
Quant File :NP112701.RES (RTE Integrator)



28308.D NP112701.M Fri Dec 28 09:09:26 2001

NYC-WTC_000035387

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D
Acq On : 22 Dec 2001 4:43 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

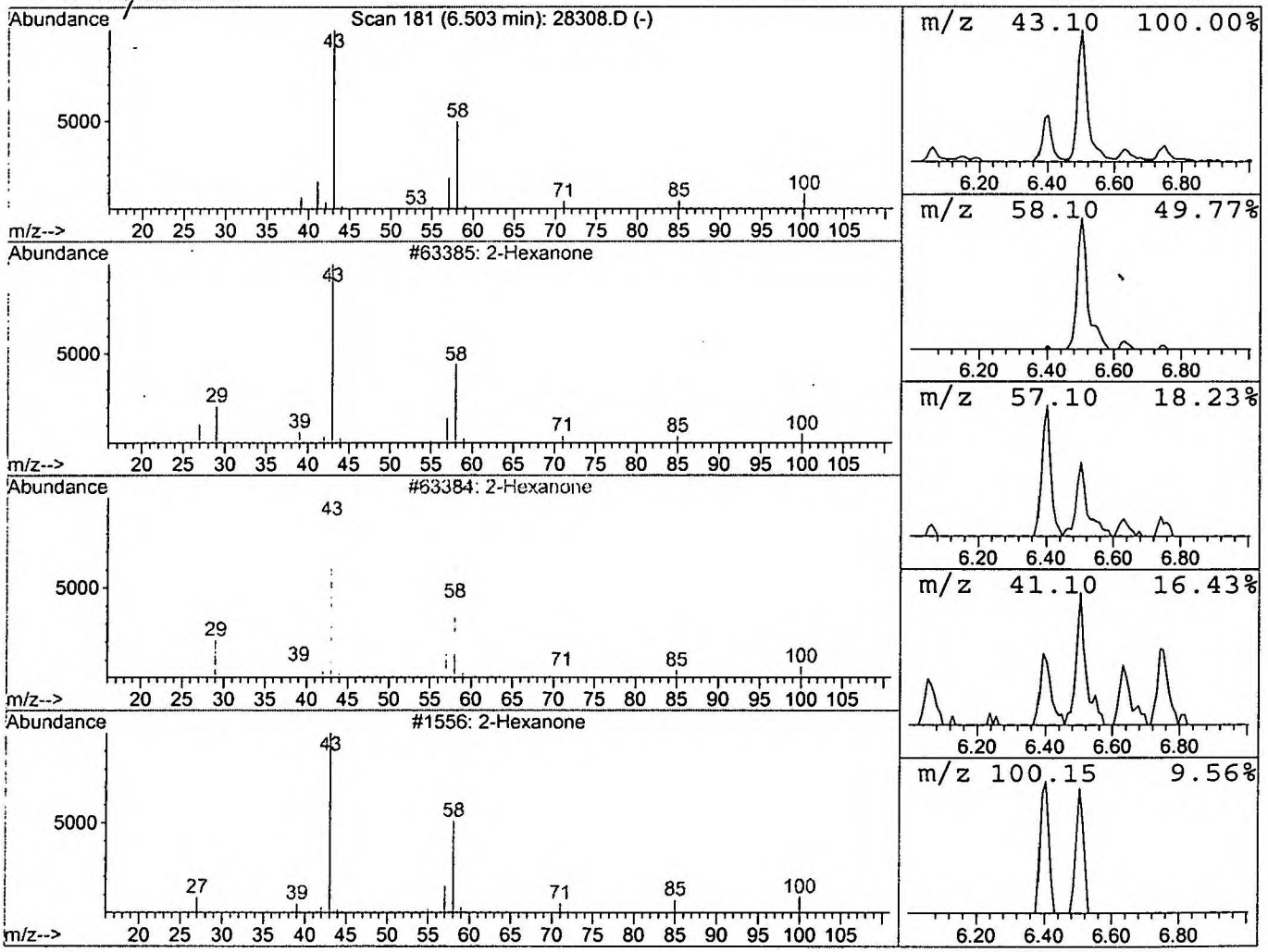
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	0.63 ng/uL	170851	1,4-Dichlorobenzene-d4	11.78

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	90



NYC-WTC_000035388

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D
Acq On : 22 Dec 2001 4:43 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

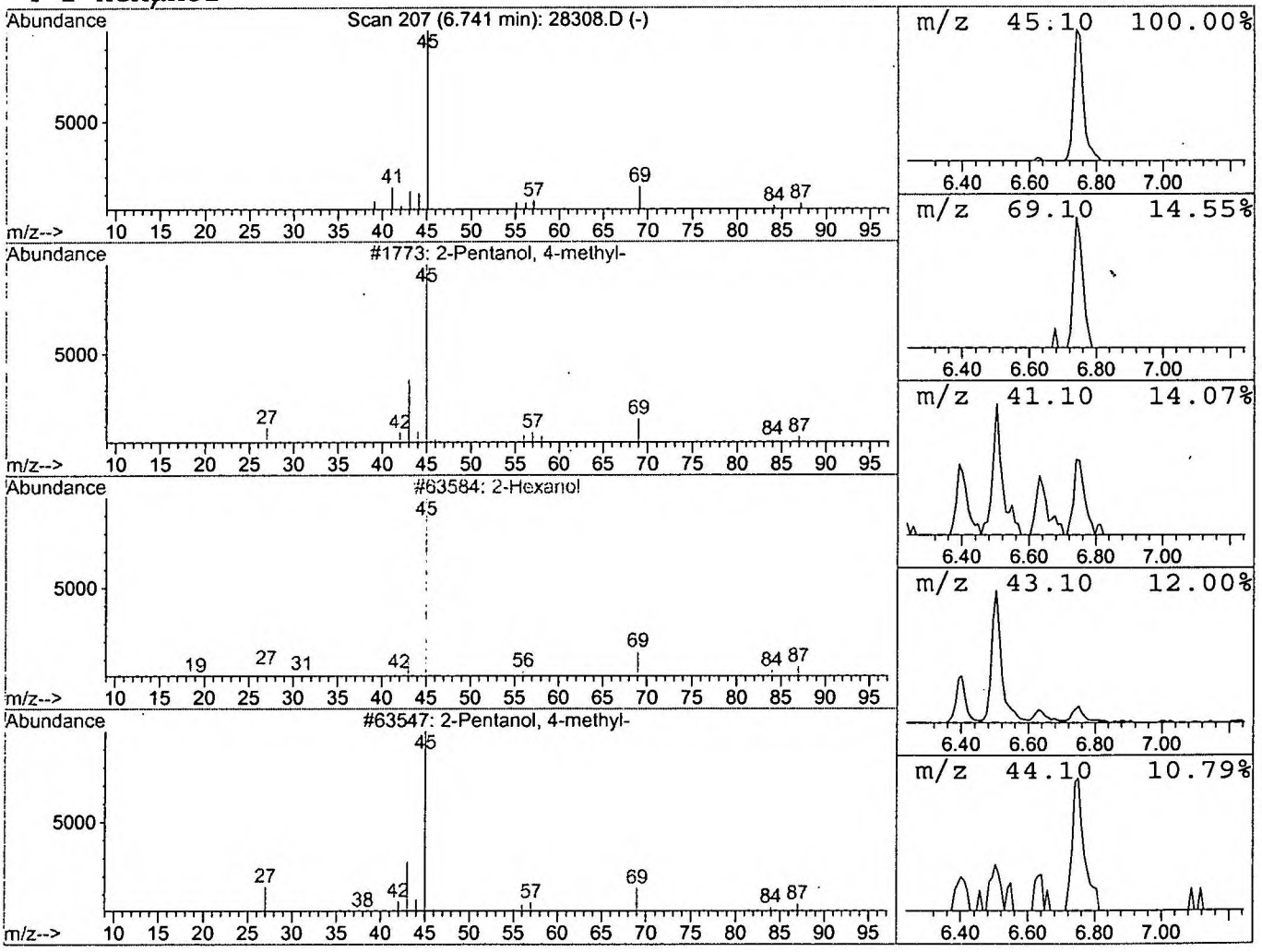
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Pentanol, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	0.46 ng/uL	124418	1,4-Dichlorobenzene-d4	11.78

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



NYC-WTC_000035389

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D
Acq On : 22 Dec 2001 4:43 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

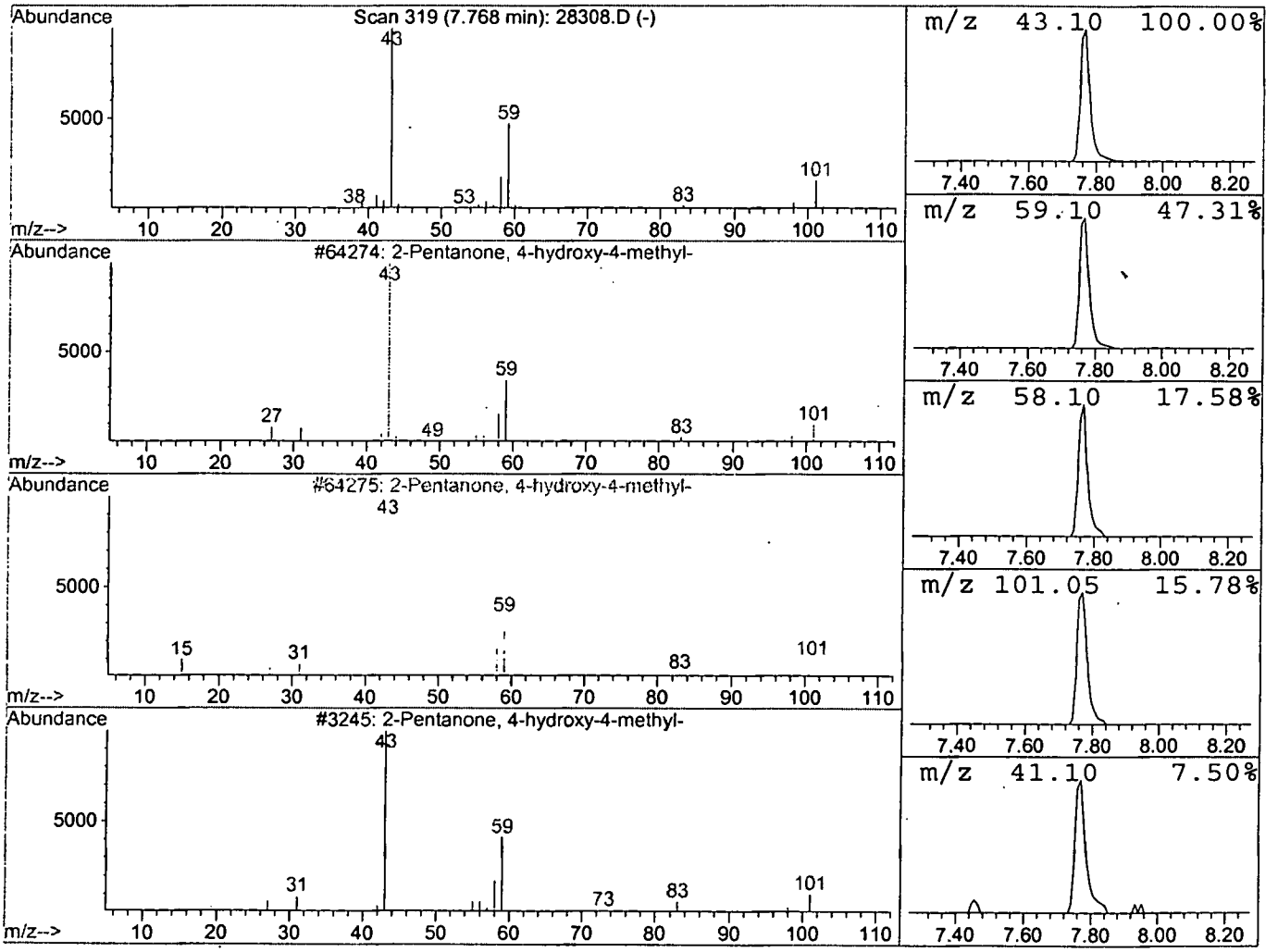
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	2.03 ng/uL	549333	1,4-Dichlorobenzene-d4	11.78

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	45
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	Acetone	58	C3H6O	000067-64-1	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D Vial: 40
Acq On : 22 Dec 2001 4:43 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

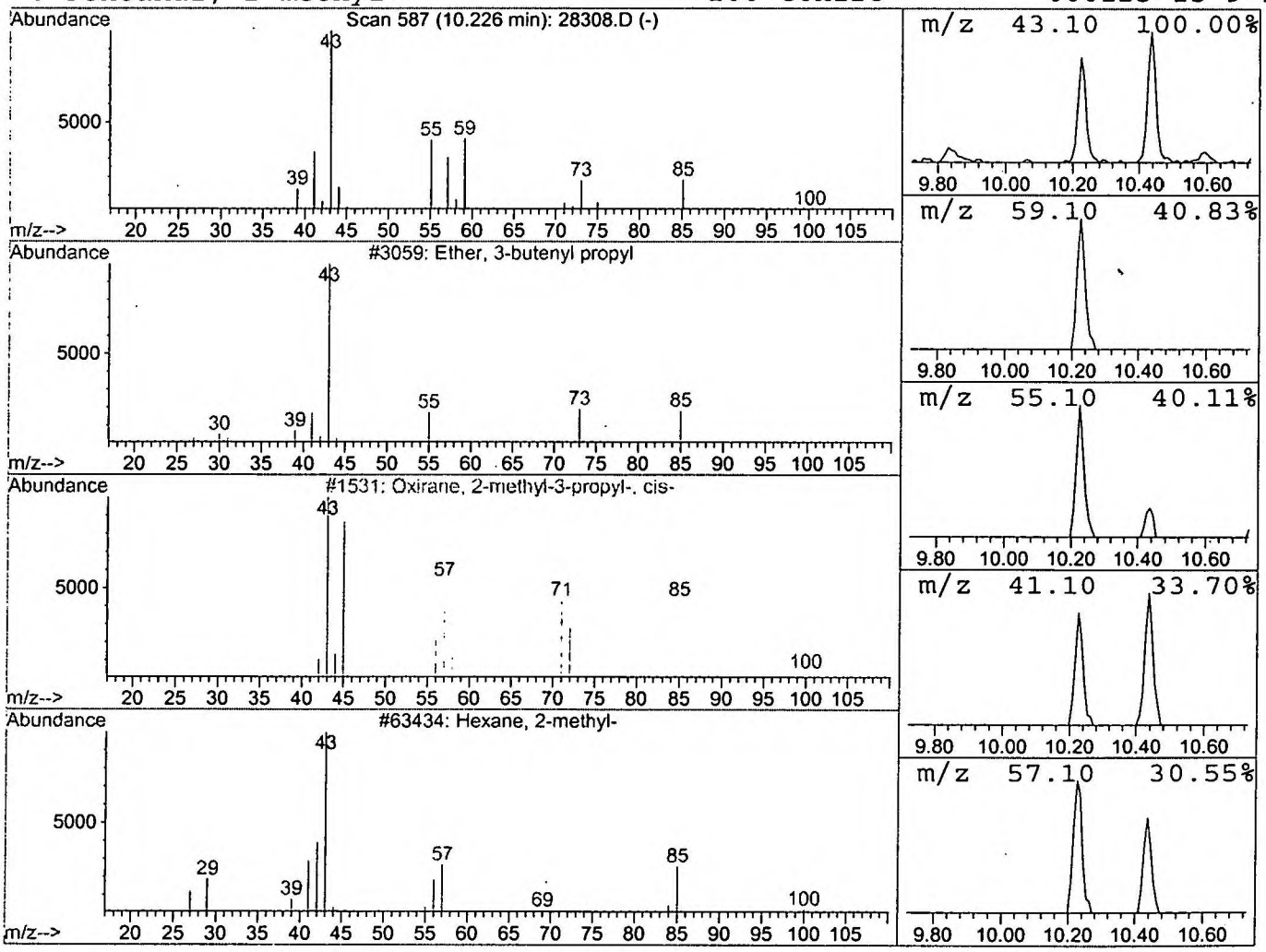
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Ether, 3-butenyl propyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	0.51 ng/uL	137030	1,4-Dichlorobenzene-d4	11.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, 3-butenyl propyl	114	C7H14O	034061-75-1	12
2	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	9
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	9
4	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D Vial: 40
Acq On : 22 Dec 2001 4:43 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

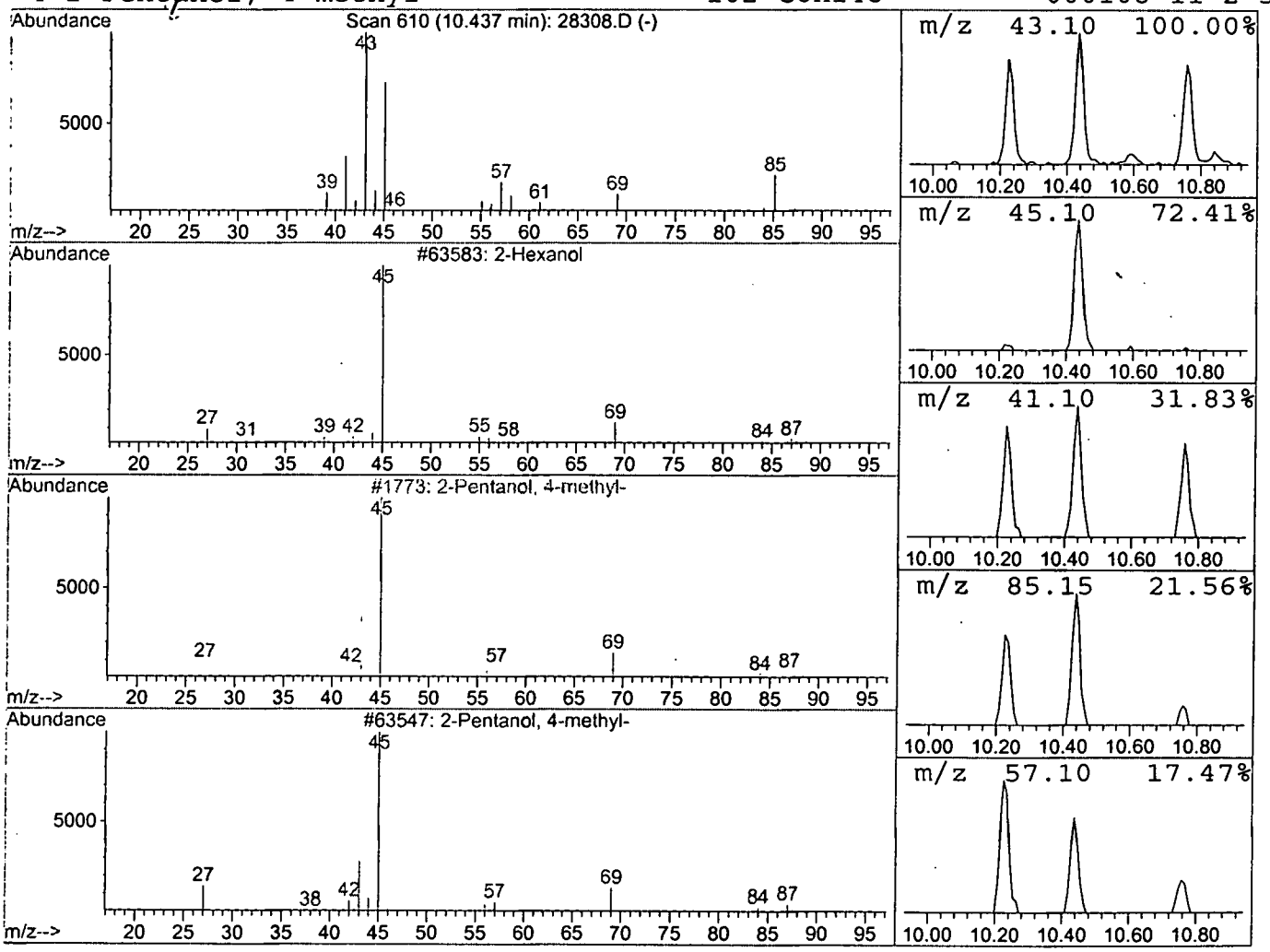
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Hexanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	0.58 ng/uL	157569	1,4-Dichlorobenzene-d4	11.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	38
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	37
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	32
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	32



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Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28308.D
Acq On : 22 Dec 2001 4:43 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

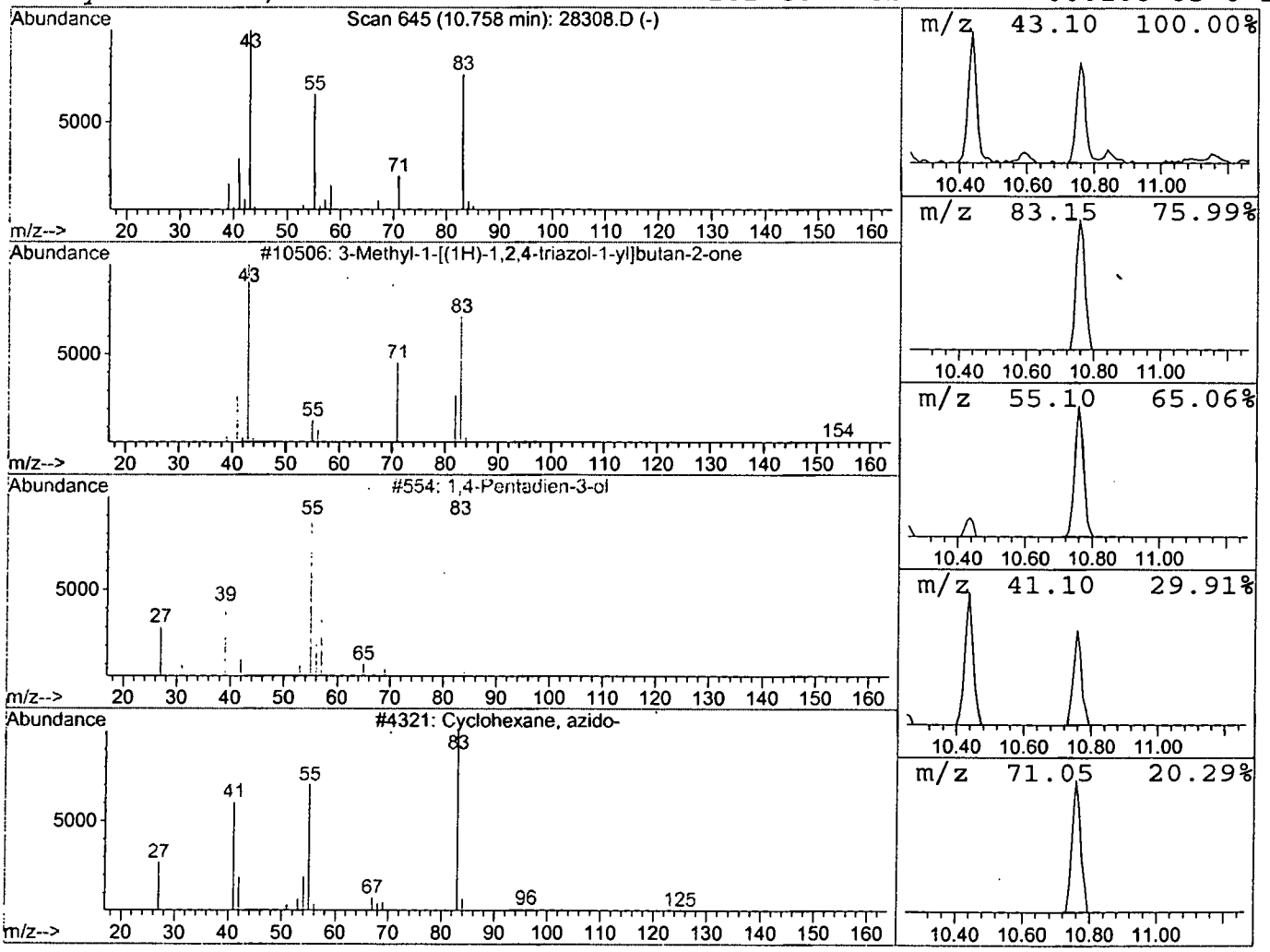
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 3-Methyl-1-[(1H)-1,2,4-triazol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	0.54 ng/uL	144880	1,4-Dichlorobenzene-d4	11.78

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	33
2	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	28
3	Cyclohexane, azido-	125	C6H11N3	019573-22-9	28
4	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	28



NYC-WTC_000035393

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 22 Dec 2001 4:43 pm
Data File: C:\HPCHEM\1\DATA\DEC2101\28308.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	6.50	0.6	ng/uL	170851	ISTD01	11.78	5410150	20.0
2-Pentanol, 4-methyl	6.74	0.5	ng/uL	124418	ISTD01	11.78	5410150	20.0
2-Pentanone, 4-hydro	7.77	2.0	ng/uL	549333	ISTD01	11.78	5410150	20.0
Ether, 3-butenyl pro	10.23	0.5	ng/uL	137030	ISTD01	11.78	5410150	20.0
2-Hexanol	10.44	0.6	ng/uL	157569	ISTD01	11.78	5410150	20.0
3-Methyl-1-[(1H)-1,2	10.76	0.5	ng/uL	144880	ISTD01	11.78	5410150	20.0

28308.D NP112701.M Fri Dec 28 09:09:41 2001

NYC 9/11 Public Portal Document

Comments for Sample AD28308 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-24-2002 Time: 15:35:08

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