User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:50:56

Sample: AE09572
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:50 Ended: 5/14/02 14:50 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		74		10.0

Comments for Sample AE09572 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:50:59

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 3 of the 43 compounds in the LCS Standard were low.

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\9572.D Vial: 9
Acq On : 9 May 2002 9:48 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:48:27 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	7745855	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	30680220	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	16702848	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	23928924	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	17846107	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	11668656	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2992134	29.51	ug/L	0.00
Spiked Amount 40.000			Recovery = 73.78%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'oxybis(1-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	20.14	149	24734	N.D.		
25) 4-Chlorophenyl-phenylether	20.55	204	17884	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.54	77	51272	N.D.		
30) Nnitrosodiphenylamine	20.55	169	58699	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	25.09	149	46345	N.D.		

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

NYC-WTC_000023086

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\9572.D Vial: 9
Acq On : 9 May 2002 9:48 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:48:27 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	26.54	202	26892	N.D.	
38)	Pyrene	27.17	202	23719	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	45770	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	46561	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	149	0	N.D.	
45)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
46)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(a)pyrene	0.00	252	0	N.D.	
48)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

NYC-WTC_000023087

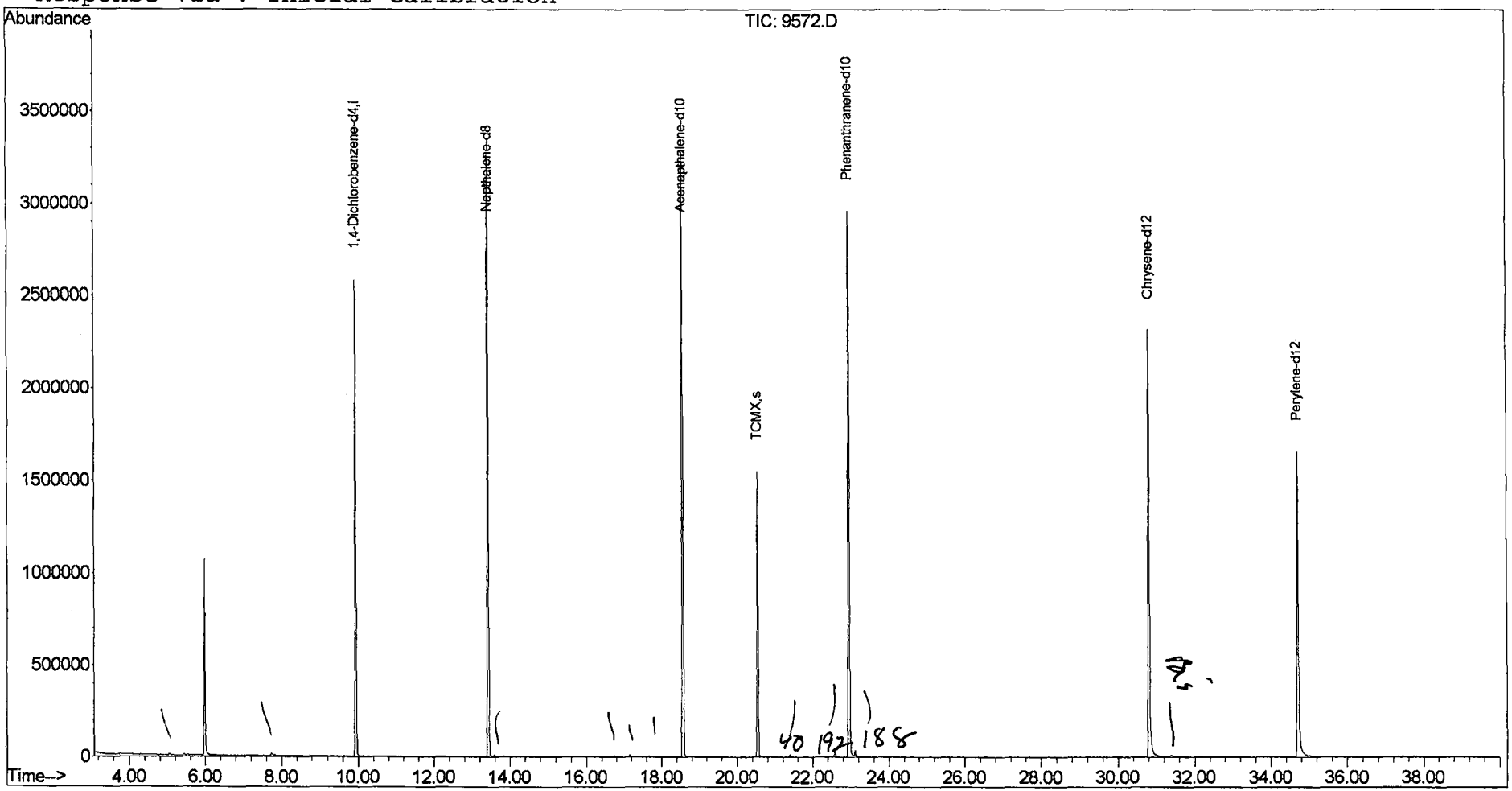
NYC-WTC_000023088

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\9572.D Vial: 9
Acq On : 9 May 2002 9:48 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:48 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D
Acq On : 9 May 2002 9:48 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.138	4	10	41	BV 3	5239	118575	0.17%	0.030%
2	3.561	79	82	96	PV 7	3867	75026	0.11%	0.019%
3	3.667	96	100	102	PV 4	2561	28297	0.04%	0.007%
4	3.725	102	110	112	VV 5	4379	104802	0.15%	0.026%
5	3.749	112	114	116	VV 3	3478	44777	0.07%	0.011%
6	3.772	116	118	121	VV 3	3693	51996	0.08%	0.013%
7	3.931	143	145	151	VV 4	3912	77576	0.11%	0.020%
8	3.984	151	154	155	VV 2	3483	36447	0.05%	0.009%
9	4.284	202	205	211	VV 4	5157	89016	0.13%	0.022%
10	4.601	256	259	265	VV 7	2035	28355	0.04%	0.007%
11	5.036	329	333	358	VV 5	8088	239525	0.35%	0.060%
12	5.435	395	401	409	VV 2	6002	126995	0.19%	0.032%
13	5.547	413	420	430	VV 8	2458	96044	0.14%	0.024%
14	5.670	437	441	451	VV 6	2701	70735	0.10%	0.018%
15	5.858	469	473	483	VV 6	2277	57201	0.08%	0.014%
16	5.982	483	494	518	PV	1048309	17913020	26.23%	4.514%
17	6.140	518	521	523	VV 3	743	9493	0.01%	0.002%
18	6.951	654	659	665	PV 4	1943	42500	0.06%	0.011%
19	7.022	668	671	682	VV 5	1791	41224	0.06%	0.010%
20	7.727	784	791	810	PV 2	14915	412513	0.60%	0.104%
21	8.109	849	856	860	PV 5	1747	30515	0.04%	0.008%
22	8.743	959	964	976	PV 6	3391	79062	0.12%	0.020%
23	9.301	1055	1059	1078	VV 7	3782	111632	0.16%	0.028%
24	9.701	1116	1127	1131	VV 7	2095	49926	0.07%	0.013%
25	9.942	1158	1168	1187	PV	2543735	47065908	68.91%	11.860%
26	10.065	1187	1189	1195	VV 5	3305	61487	0.09%	0.015%
27	10.259	1215	1222	1238	PV 7	2906	61299	0.09%	0.015%
28	11.863	1490	1495	1502	PV 5	3501	47350	0.07%	0.012%
29	13.432	1751	1762	1776	PV	3235556	63015641	92.26%	15.879%
30	13.526	1776	1778	1782	VV 3	2718	45014	0.07%	0.011%
31	13.585	1782	1788	1796	VV 2	11596	224185	0.33%	0.056%
32	13.826	1825	1829	1834	VV 4	3622	50064	0.07%	0.013%
33	15.700	2139	2148	2160	VV 4	3330	77477	0.11%	0.020%
34	16.546	2286	2292	2312	VV 5	1906	63997	0.09%	0.016%
35	16.740	2318	2325	2336	VV 2	6468	155287	0.23%	0.039%
36	17.145	2390	2394	2404	VV 4	11679	188559	0.28%	0.048%
37	17.656	2476	2481	2494	VV 4	5778	93824	0.14%	0.024%

NYC-WTC_000023089

NYC 9/11 Public Portal Document

38	18.573	2626	2637	2655	VV		3284900	68302761	100.00%	17.211%
39	18.955	2699	2702	2711	VV	5	2957	65666	0.10%	0.017%
40	20.148	2896	2905	2913	VV	4	4406	108590	0.16%	0.027%
41	20.324	2925	2935	2939	PV	5	1990	37777	0.06%	0.010%
42	20.547	2957	2973	2985	VV		1573539	30120736	44.10%	7.590%
43	21.399	3111	3118	3131	VV	2	14795	252643	0.37%	0.064%
44	21.758	3168	3179	3184	PV	5	2221	34584	0.05%	0.009%
45	22.580	3309	3319	3328	VV		29832	560537	0.82%	0.141%
46	22.956	3371	3383	3403	VV	2	2944571	66151022	96.85%	16.669%
47	23.109	3403	3409	3421	VV	2	36490	877563	1.28%	0.221%
48	25.089	3740	3746	3755	PV	2	4369	93066	0.14%	0.023%
49	26.534	3983	3992	4003	VV	4	2244	55023	0.08%	0.014%
50	27.175	4095	4101	4108	VV	4	2206	48659	0.07%	0.012%
51	29.983	4570	4579	4586	PV	3	2003	39114	0.06%	0.010%
52	30.812	4706	4720	4755	PV	2	2303357	55615856	81.43%	14.014%
53	31.023	4755	4756	4761	VV	2	4303	69356	0.10%	0.017%
54	31.065	4761	4763	4768	VV	5	1845	30857	0.05%	0.008%
55	31.382	4810	4817	4832	PV	5	11041	298002	0.44%	0.075%
56	34.713	5371	5384	5432	PV	2	1649384	42880451	62.78%	10.805%
57	35.001	5432	5433	5448	VV	7	4101	119664	0.18%	0.030%
58	35.101	5448	5450	5452	VV	3	979	7071	0.01%	0.002%

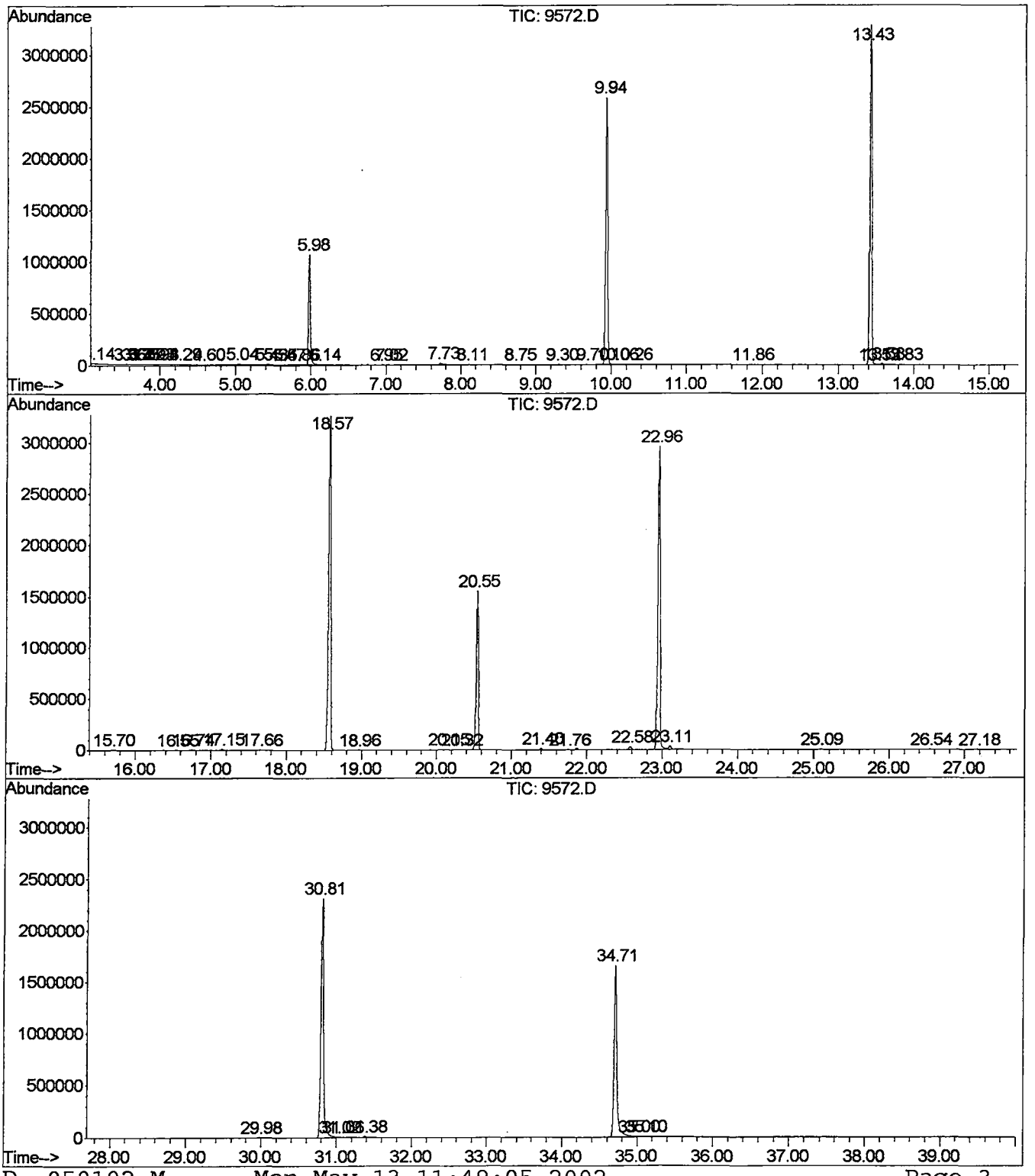
Sum of corrected areas: 396854345

NYC-WTC_000023090

NYC 9/11 Public Portal Document

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050902\9572.D
Operator : Mclean
Acquired : 9 May 2002 9:48 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 kb
Misc Info :
Vial Number: 9
Quant File :050102.RES (Chemstation Integrator)



NYC-WTC_000023091

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D Vial: 9
Acq On : 9 May 2002 9:48 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

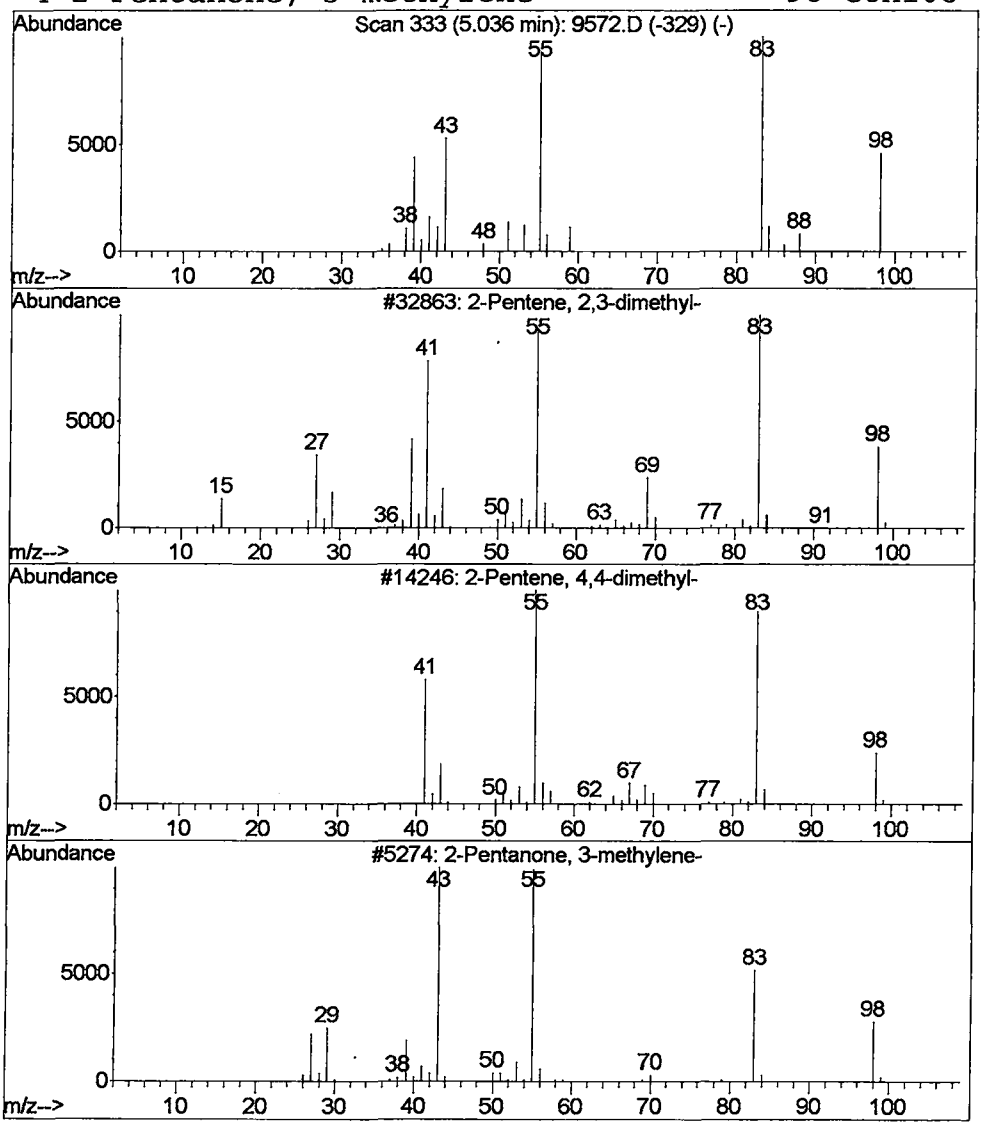
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

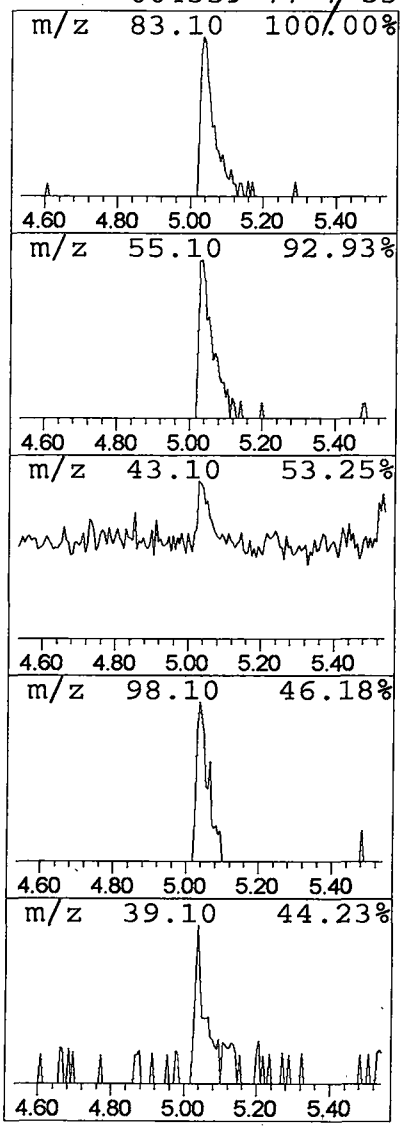
****

Peak Number 1 2-Pentene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	0.20 ug/L	239525	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	78
2	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	72
3	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	53
4	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	53





NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D
Acq On : 9 May 2002 9:48 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

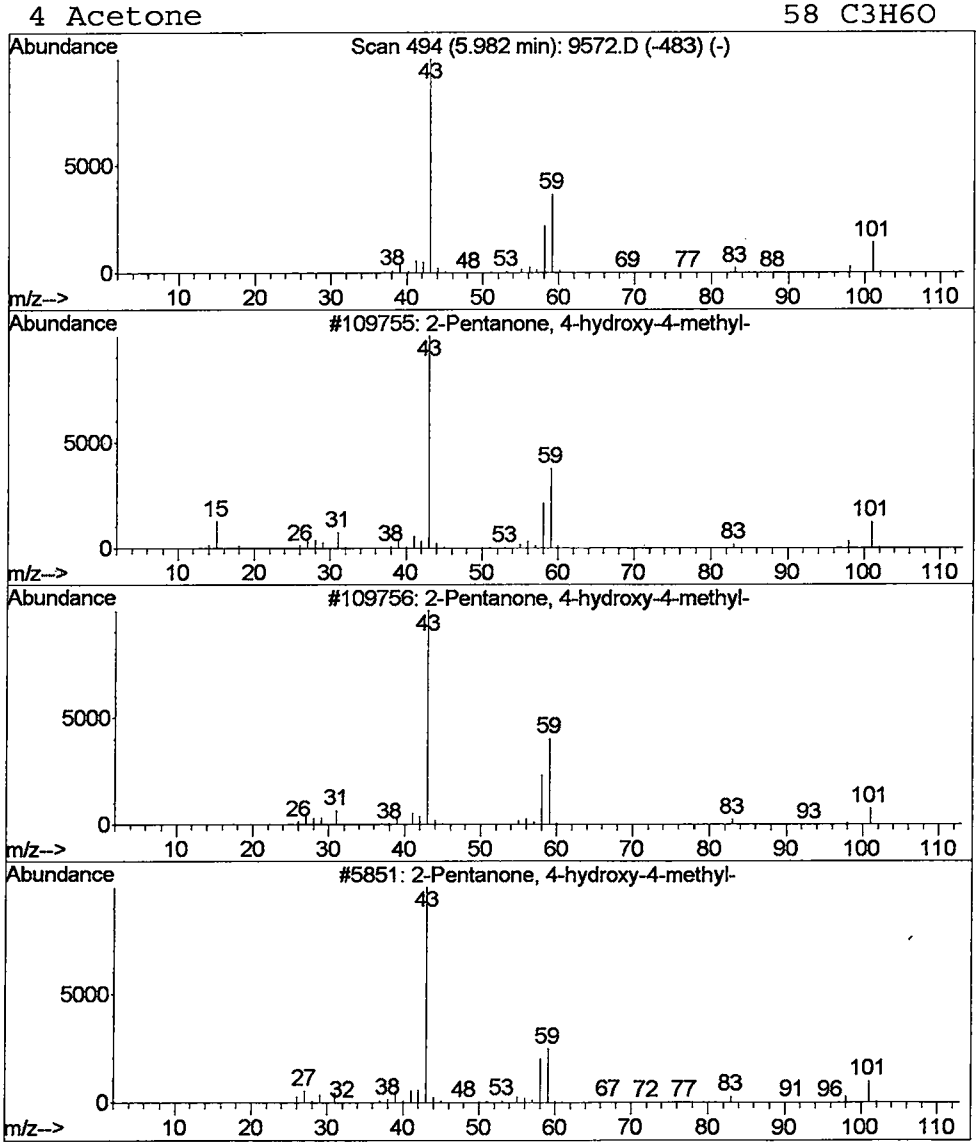
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

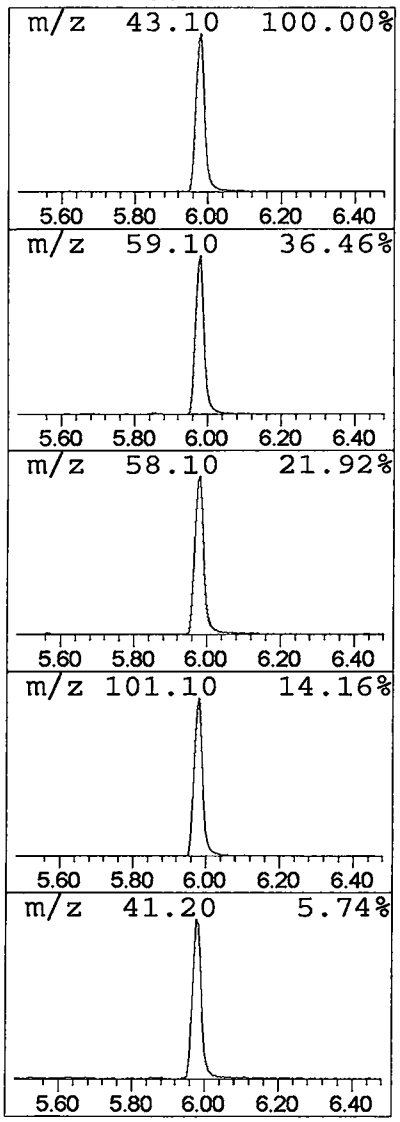
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	15.22 ug/L	17913000	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	Acetone	58	C3H6O	000067-64-1	32





NYC-WTC_000023093

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D
Acq On : 9 May 2002 9:48 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

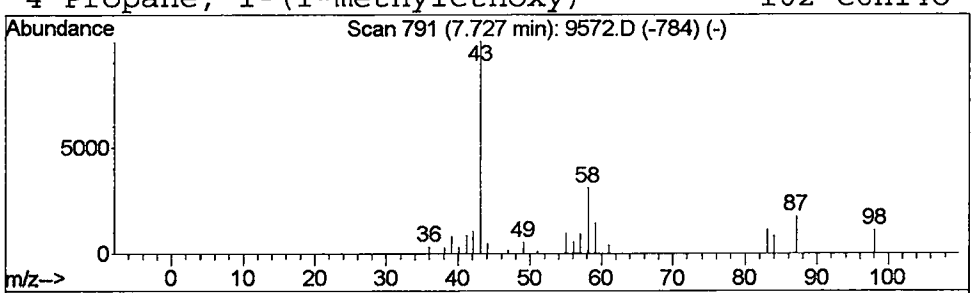
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

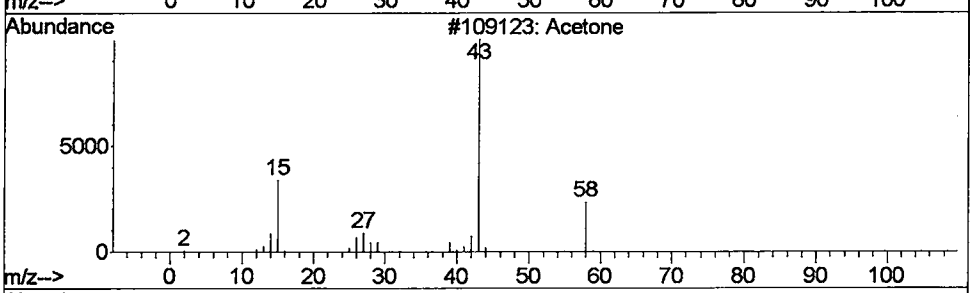
****

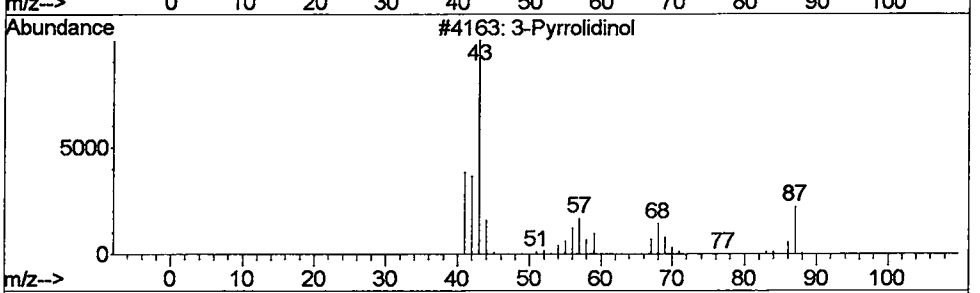
Peak Number 3 Acetone — Concentration Rank 3

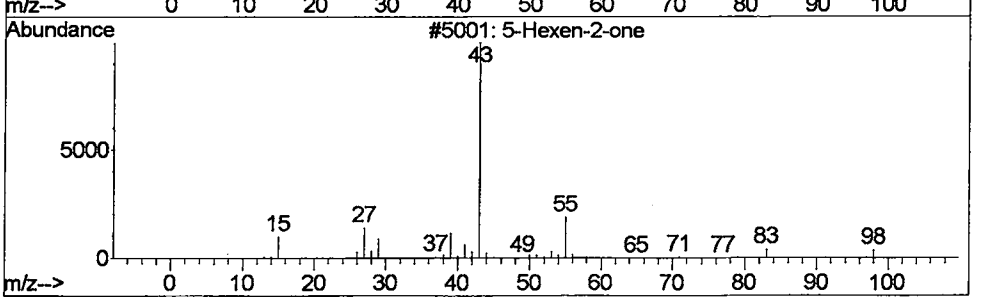
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.35 ug/L	412513	1,4-Dichlorobenzene-d4	9.94

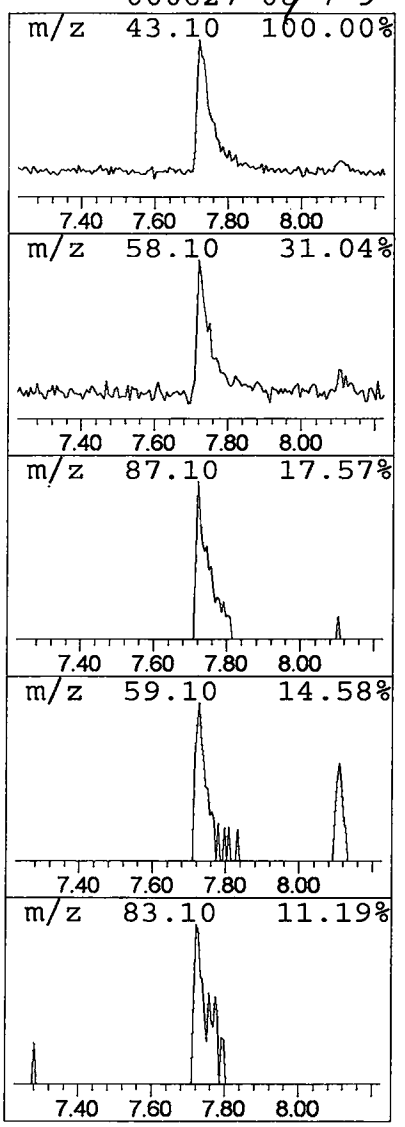
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetone	58	C3H6O	000067-64-1	9
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	9











NYC-WTC_000023094

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D
Acq On : 9 May 2002 9:48 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

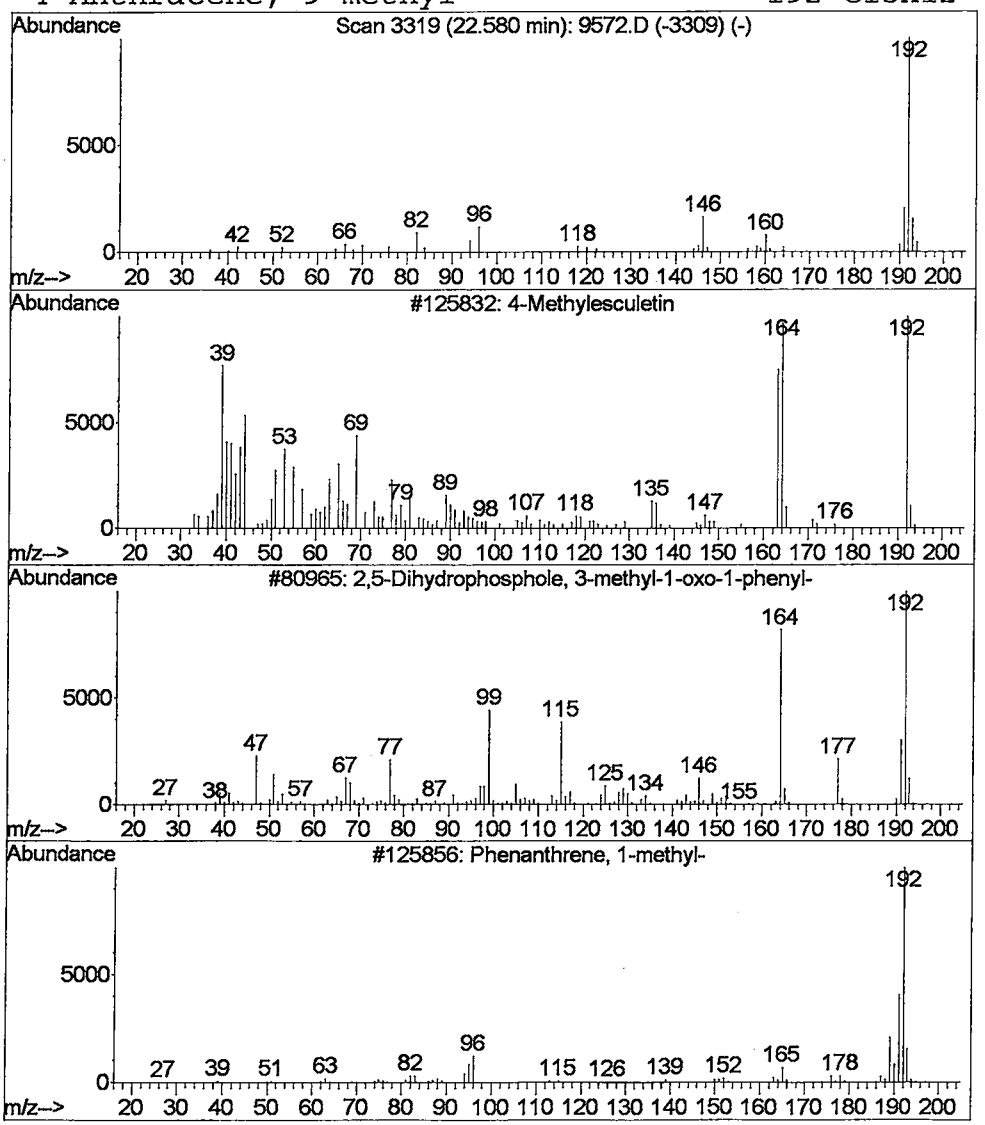
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

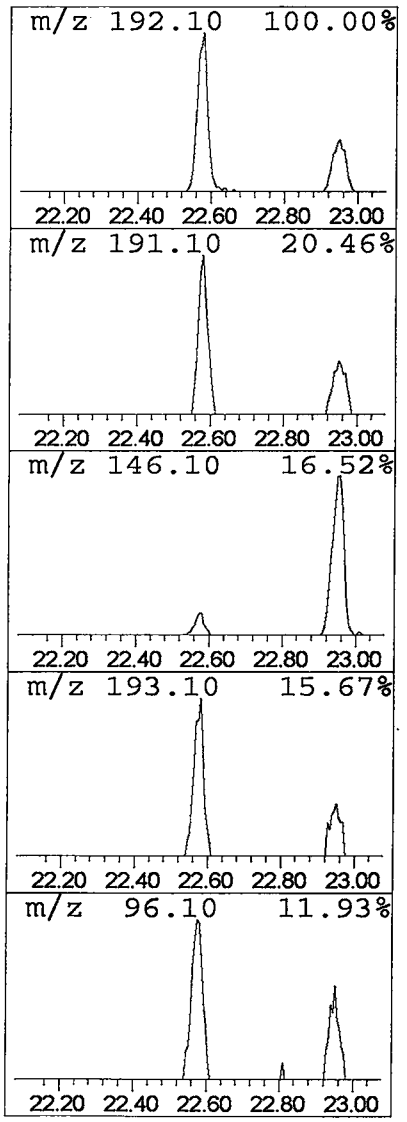
****

Peak Number 4 4-Methylesculetin Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.34 ug/L	560537	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylesculetin	192	C10H8O4	000529-84-0	47
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42





NYC-WTC_000023095

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D Vial: 9
Acq On : 9 May 2002 9:48 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

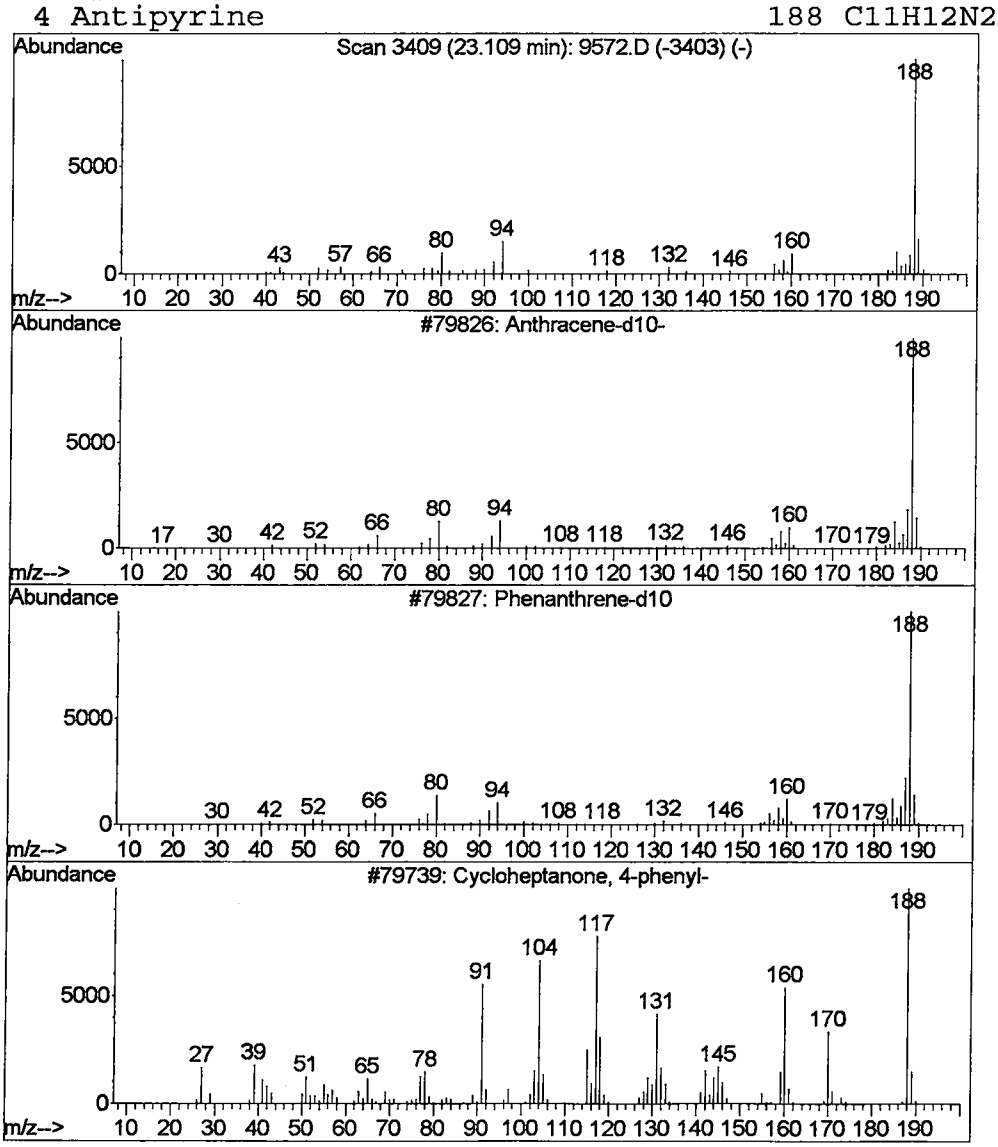
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

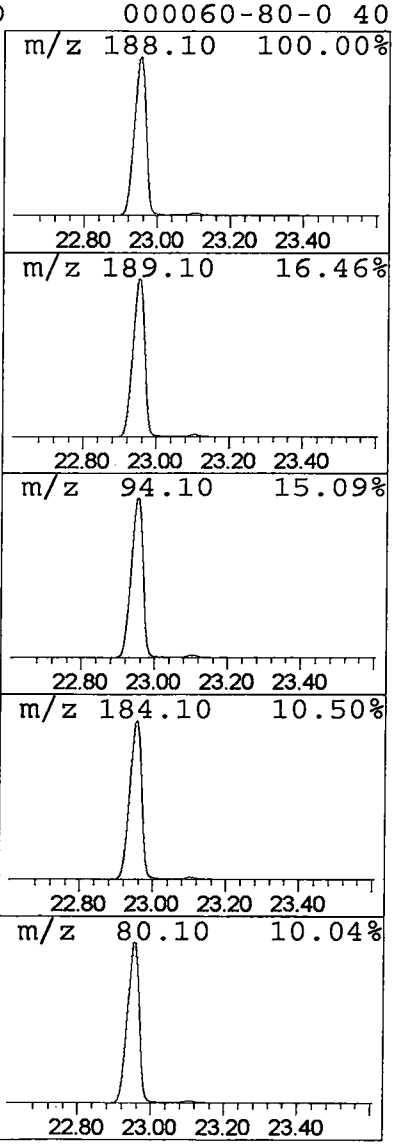
****

Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.53 ug/L	877563	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	90
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
4	Antipyrine	188	C11H12N2O	000060-80-0	40





NYC-WTC_000023096

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9572.D Vial: 9
Acq On : 9 May 2002 9:48 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

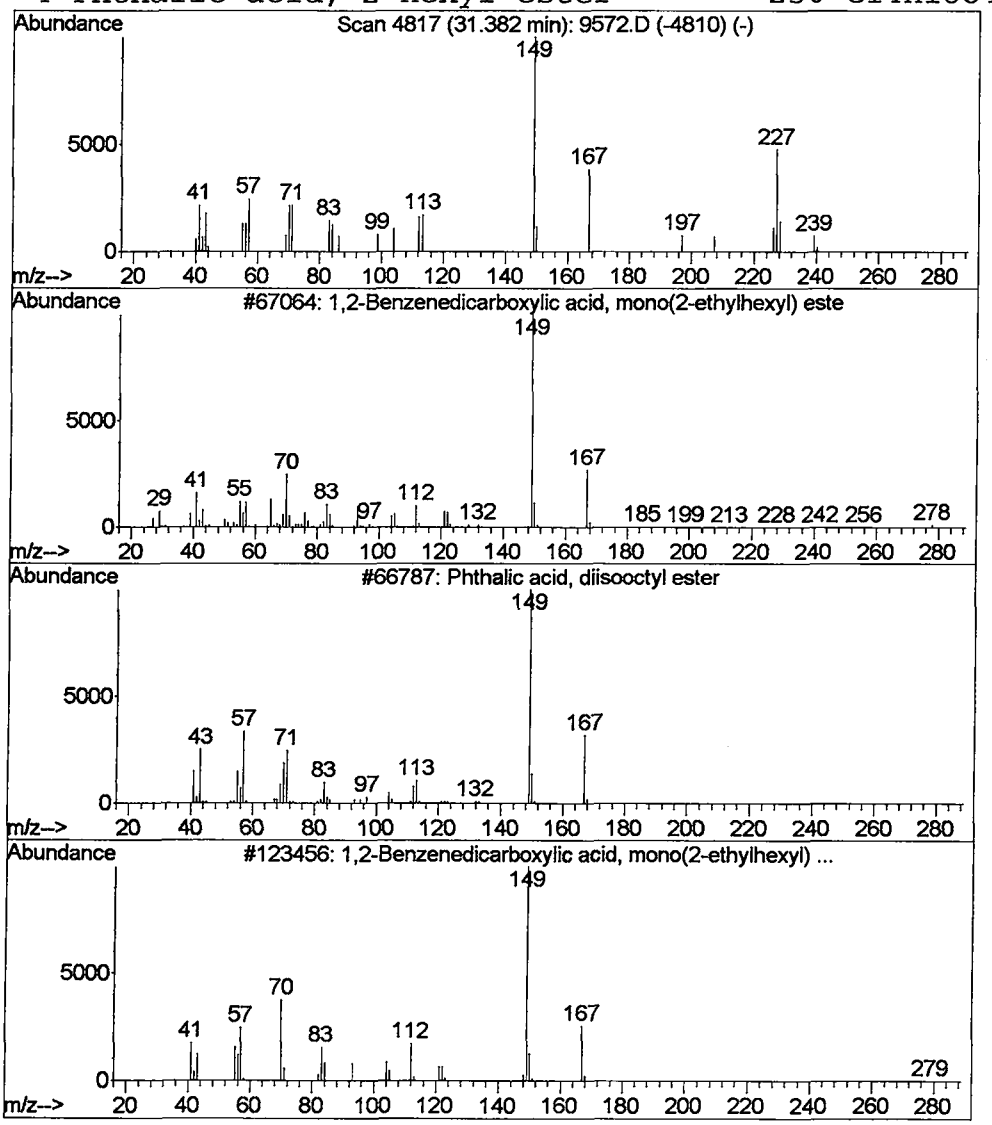
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

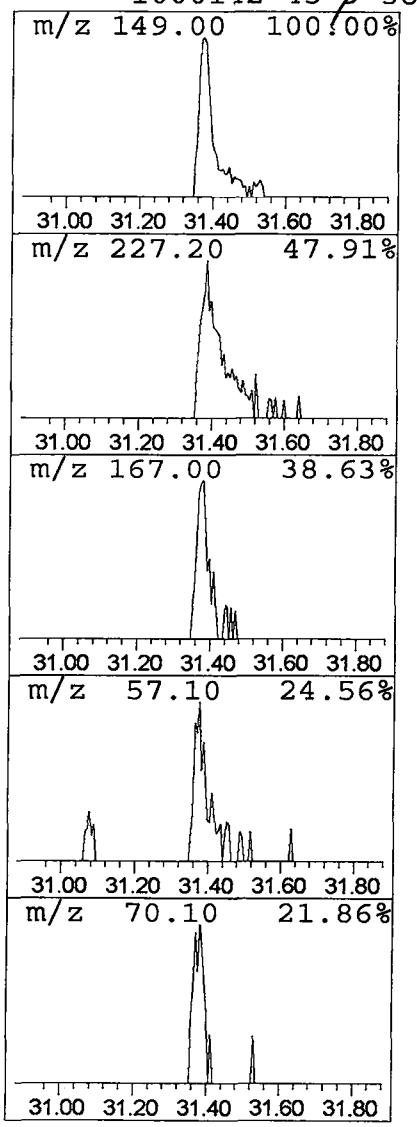
****

Peak Number 6 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.38	0.21 ug/L	298002	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	50
2	Phthalic acid, diisooctyl ester	390	C24H38O4	001330-91-2	50
3	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	47
4	Phthalic acid, 2-hexyl ester	250	C14H18O4	1000142-43-9	38





NYC-WTC_000023097

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 9 May 2002 9:48 pm
Data File: C:\MSDCHEM\1\DATA\050902\9572.D
Name: 5/8 kb
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Pentene, 2,3-di...	5.04	0.2	ug/L	239525	1	9.94	47065900	40.0
2-Pentanone, 4-hy...	5.98	15.2	ug/L	17913000	1	9.94	47065900	40.0
Acetone	7.73	0.4	ug/L	412513	1	9.94	47065900	40.0
4-Methylesculetin	22.58	0.3	ug/L	560537	4	22.96	66151000	40.0
Anthracene-d10-	23.11	0.5	ug/L	877563	4	22.96	66151000	40.0
1,2-Benzenedicarb...	31.38	0.2	ug/L	298002	5	30.81	55615900	40.0

NYC-WTC_000023098