User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 15:00:06

Sample: AE09576
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:59 Ended: 5/14/02 14:59 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		80		10.0

Comments for Sample AE09576 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 15:00:18

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.

Data File : C:\MSDCHEM\1\DATA\050902\9576.D Vial: 12
Acq On : 10 May 2002 12:15 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:51:13 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	8004048	40.00	ug/L	0.01
10) Napthalene-d8	13.43	136	31838312	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	17306779	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	25095438	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	18188456	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	11798294	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	3376987	32.14	ug/L	0.00
Spiked Amount 40.000			Recovery = 80.35%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.		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	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	20.55	204	20129	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.54	77	61872	N.D.		
30) Nnitrosodiphenylamine	20.55	169	66456	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	22094	N.D.		

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

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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	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.82	228	47630	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	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.	

Quantitation Report (QT Reviewed)

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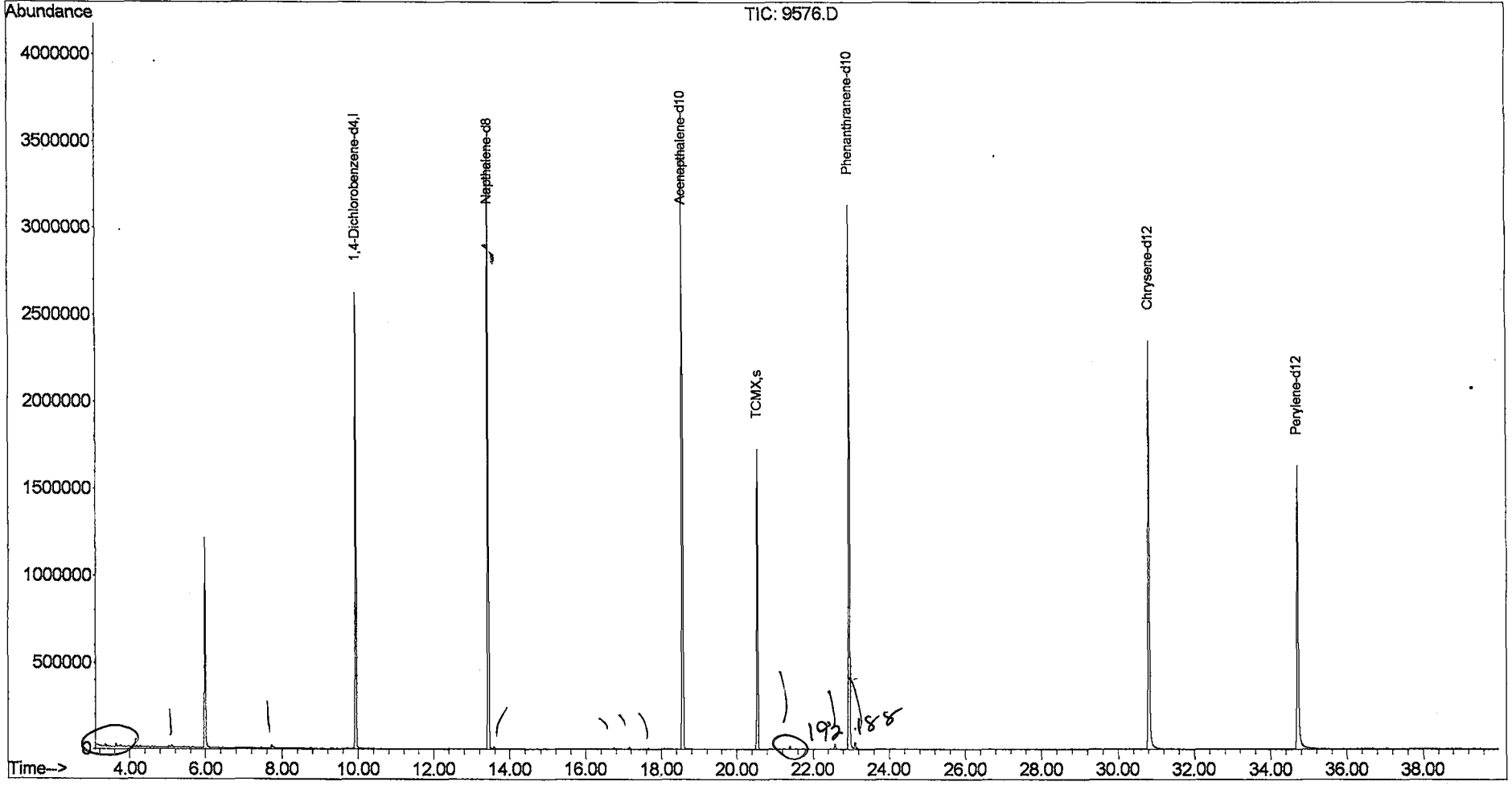
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\050902\9576.D
Acq On : 10 May 2002 12:15 am
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

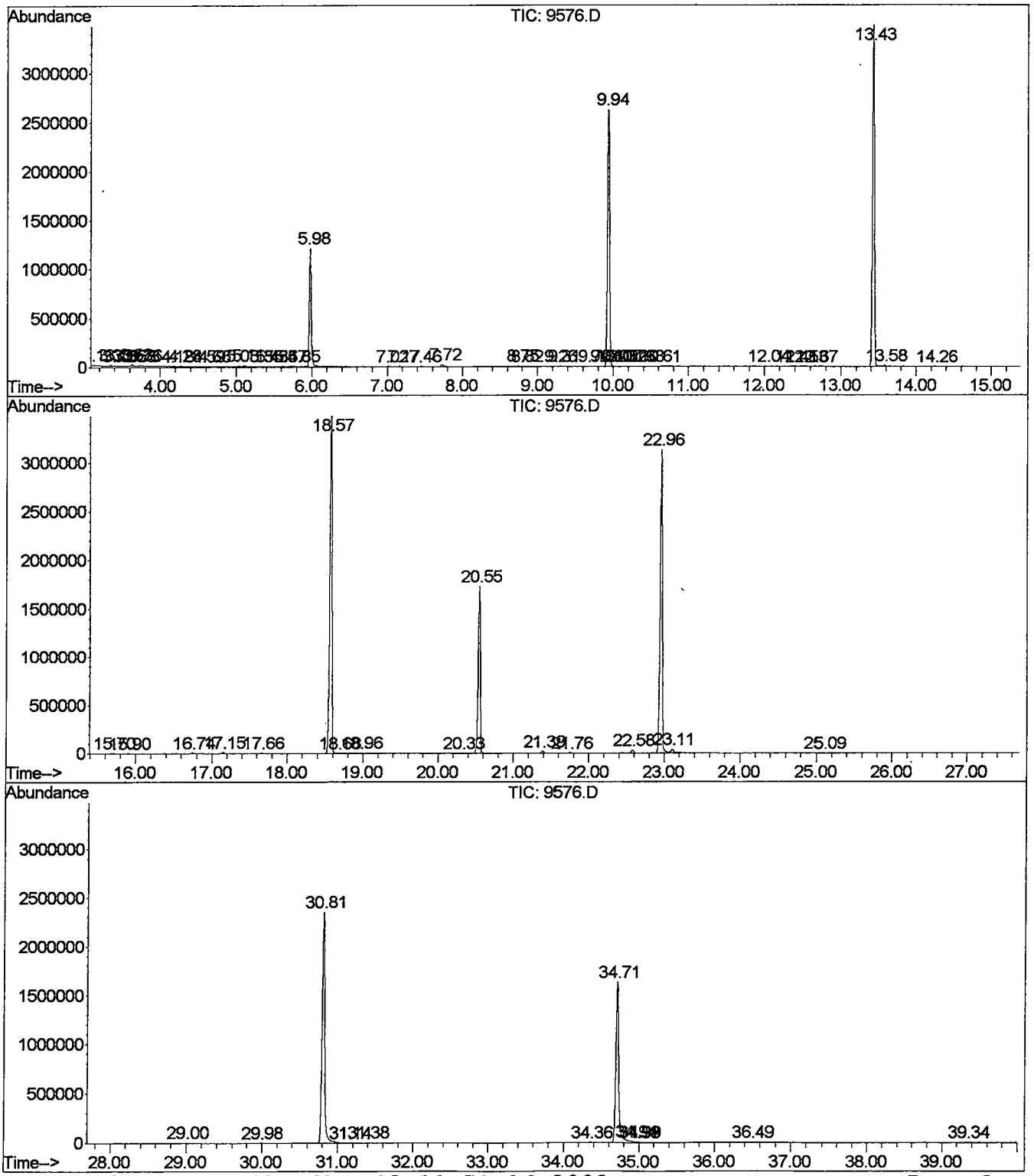
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	4	9	31	BV 3	7557	153987	0.22%	0.037%
2	3.355	41	47	52	VV 2	12488	207988	0.29%	0.050%
3	3.408	52	56	65	VV 10	4493	105039	0.15%	0.025%
4	3.555	74	81	89	PV 10	3544	77509	0.11%	0.019%
5	3.637	89	95	101	VV	19962	328139	0.46%	0.079%
6	3.678	101	102	105	VV 3	3133	45405	0.06%	0.011%
7	3.725	105	110	112	VV 3	5605	92817	0.13%	0.022%
8	3.760	112	116	121	VV	9078	188930	0.27%	0.045%
9	4.178	182	187	198	VV 8	3112	72828	0.10%	0.017%
10	4.277	198	204	211	PV 5	4143	73897	0.10%	0.018%
11	4.589	250	257	262	PV 7	2189	45370	0.06%	0.011%
12	4.659	262	269	278	VV 9	2445	49914	0.07%	0.012%
13	5.035	328	333	341	VV 6	8336	178531	0.25%	0.043%
14	5.112	341	346	355	VV 5	12453	270702	0.38%	0.065%
15	5.353	383	387	393	PV 8	2012	44344	0.06%	0.011%
16	5.429	393	400	406	VV 2	3772	86883	0.12%	0.021%
17	5.541	413	419	425	VV 6	3083	93731	0.13%	0.023%
18	5.670	436	441	455	VV 8	3900	104694	0.15%	0.025%
19	5.846	461	471	479	VV 8	2687	84328	0.12%	0.020%
20	5.981	487	494	522	VV	1185547	20706924	29.19%	4.974%
21	7.016	665	670	675	VV 7	2146	41383	0.06%	0.010%
22	7.168	693	696	701	VV 4	2524	39269	0.06%	0.009%
23	7.456	740	745	750	VV 7	2837	60065	0.08%	0.014%
24	7.726	786	791	809	PV	19051	503342	0.71%	0.121%
25	8.755	958	966	973	VV 3	5671	121144	0.17%	0.029%
26	8.813	973	976	984	VV 6	2985	60812	0.09%	0.015%
27	9.260	1045	1052	1055	PV 7	2008	38793	0.05%	0.009%
28	9.307	1055	1060	1069	VV 5	4303	110505	0.16%	0.027%
29	9.701	1122	1127	1132	VV 4	2329	46592	0.07%	0.011%
30	9.865	1150	1155	1158	PV 4	2008	24096	0.03%	0.006%
31	9.942	1158	1168	1181	VV	2596502	48725650	68.70%	11.704%
32	10.030	1181	1183	1186	VV 4	2804	43800	0.06%	0.011%
33	10.071	1186	1190	1197	VV 9	2587	63612	0.09%	0.015%
34	10.265	1215	1223	1225	VV 6	2005	39382	0.06%	0.009%
35	10.294	1225	1228	1233	VV 5	2131	41617	0.06%	0.010%
36	10.382	1237	1243	1255	VV 7	2567	77482	0.11%	0.019%
37	10.611	1278	1282	1290	VV 4	1871	33633	0.05%	0.008%

39	12.409	1583	1588	1594	VV	6	2045	41615	0.06%	0.010%
40	12.527	1604	1608	1616	VV	3	2367	46250	0.07%	0.011%
41	12.668	1627	1632	1638	VV	5	2227	33008	0.05%	0.008%
42	13.432	1747	1762	1783	PV		3424134	65437111	92.26%	15.717%
43	13.584	1783	1788	1795	VV		11965	214261	0.30%	0.051%
44	14.254	1899	1902	1909	VV	6	1986	34578	0.05%	0.008%
45	15.700	2134	2148	2157	VV	4	3659	79823	0.11%	0.019%
46	15.905	2177	2183	2188	PV	4	2130	33379	0.05%	0.008%
47	16.745	2314	2326	2335	PV	2	6870	139761	0.20%	0.034%
48	17.145	2390	2394	2408	VV	3	12125	198559	0.28%	0.048%
49	17.662	2471	2482	2487	PV	5	5371	91031	0.13%	0.022%
50	18.573	2617	2637	2654	PV		3466548	70929388	100.00%	17.037%
51	18.679	2654	2655	2659	VV	3	1250	11899	0.02%	0.003%
52	18.961	2696	2703	2711	BV	3	3242	56807	0.08%	0.014%
53	20.324	2924	2935	2941	VV	4	1987	39473	0.06%	0.009%
54	20.547	2958	2973	2990	PV		1705091	33743110	47.57%	8.105%
55	21.393	3111	3117	3123	PV	3	18776	301837	0.43%	0.072%
56	21.757	3164	3179	3186	PV	6	2628	57696	0.08%	0.014%
57	22.580	3309	3319	3333	PV	2	31921	615044	0.87%	0.148%
58	22.962	3370	3384	3402	PV	2	3105767	68789667	96.98%	16.523%
59	23.109	3402	3409	3425	VV	2	37363	874281	1.23%	0.210%
60	25.095	3740	3747	3752	PV	3	1521	26953	0.04%	0.006%
61	28.996	4404	4411	4416	PV	4	3399	55097	0.08%	0.013%
62	29.983	4574	4579	4594	PV	4	2763	68377	0.10%	0.016%
63	30.812	4708	4720	4772	PV	2	2358584	57293399	80.78%	13.761%
64	31.147	4772	4777	4781	VV	5	2985	75624	0.11%	0.018%
65	31.387	4811	4818	4838	PV	7	4820	146499	0.21%	0.035%
66	34.360	5318	5324	5332	PV	5	1805	41684	0.06%	0.010%
67	34.713	5370	5384	5420	VV	2	1619506	43173355	60.87%	10.370%
68	34.942	5420	5423	5427	VV	5	9273	184480	0.26%	0.044%
69	34.977	5427	5429	5430	VV	2	7083	84661	0.12%	0.020%
70	34.995	5430	5432	5440	VV	6	6710	180480	0.25%	0.043%
71	36.487	5681	5686	5689	VV	6	2941	67727	0.10%	0.016%
72	39.337	6161	6171	6173	PV	7	971	23110	0.03%	0.006%

Sum of corrected areas: 416332990

File : C:\MSDCHEM\1\DATA\050902\9576.D
Operator : Mclean
Acquired : 10 May 2002 12:15 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 kb
Misc Info :
Vial Number: 12
Quant File :050102.RES (Chemstation Integrator)



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Acq On : 10 May 2002 12:15 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

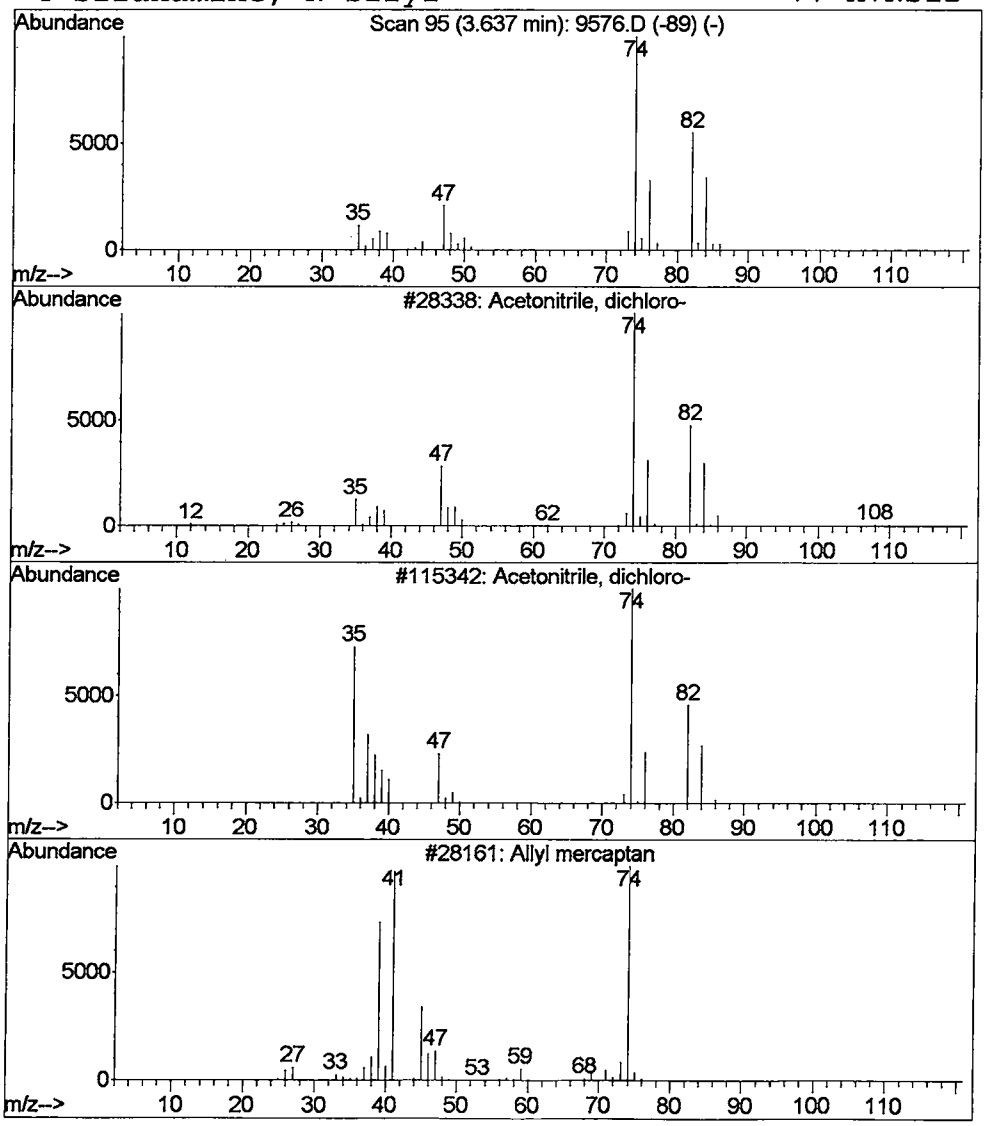
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

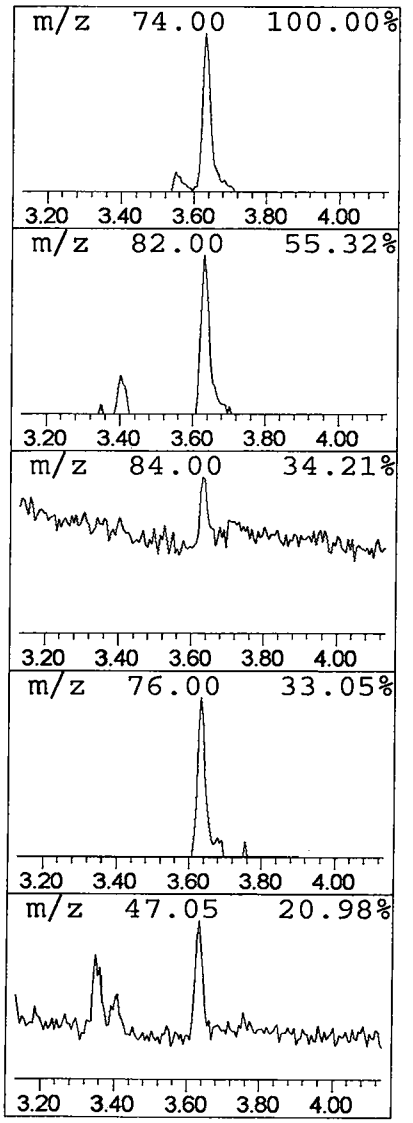
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	0.27 ug/L	328139	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	50
3	Allyl mercaptan	74	C3H6S	000870-23-5	32
4	Silanamine, N-silyl-	77	H7NSi2	005702-11-4	9





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Acq On : 10 May 2002 12:15 am
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 12
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

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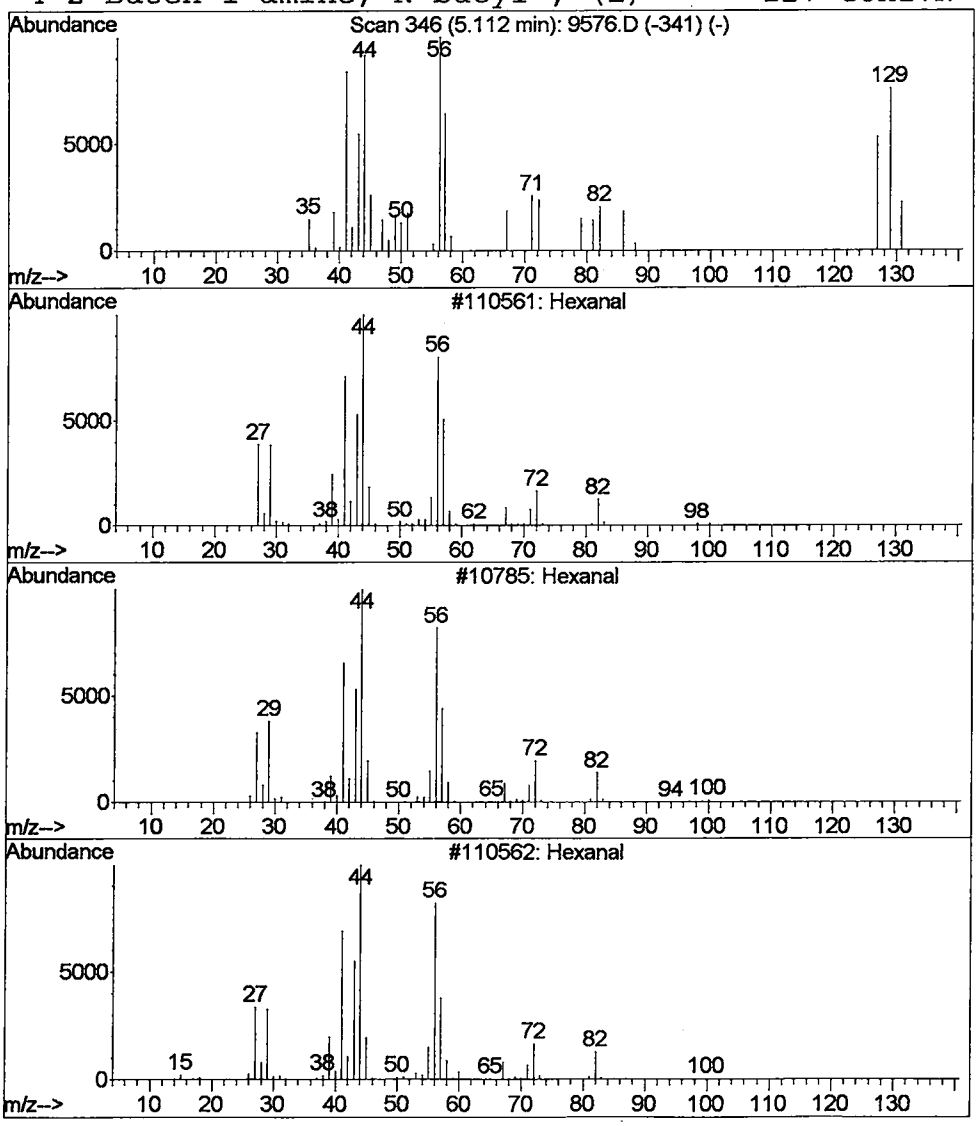
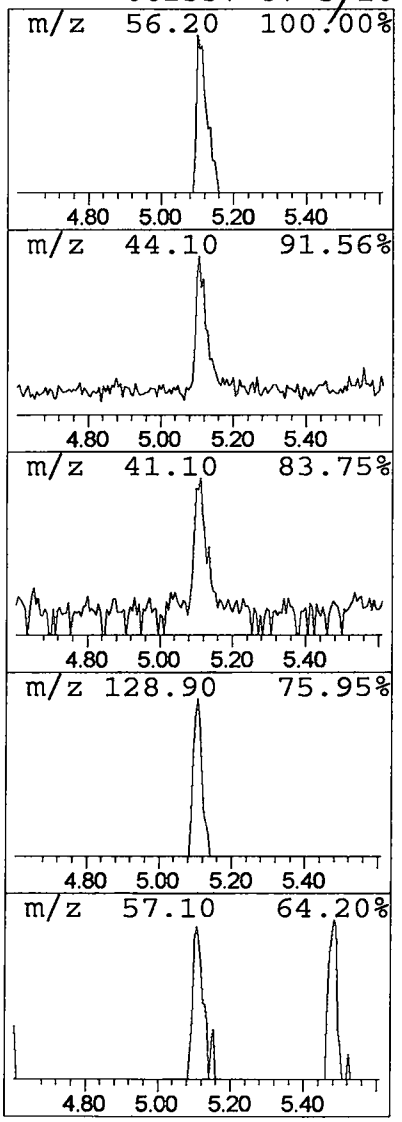
Peak Number 2 Hexanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	0.22 ug/L	270702	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	38
2	Hexanal	100	C6H12O	000066-25-1	32
3	Hexanal	100	C6H12O	000066-25-1	25
4	2-Buten-1-amine, N-butyl-, (Z)-	127	C8H17N	062337-87-5	16





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Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
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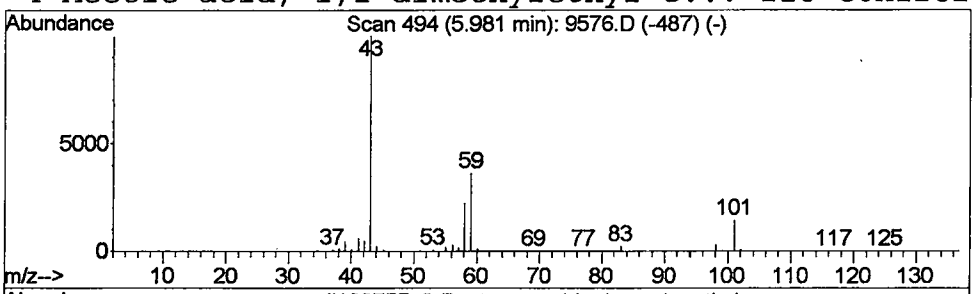
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

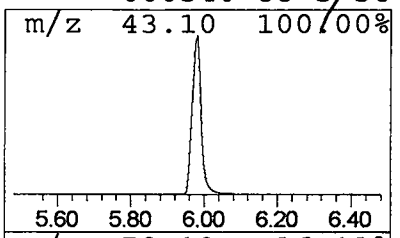
****

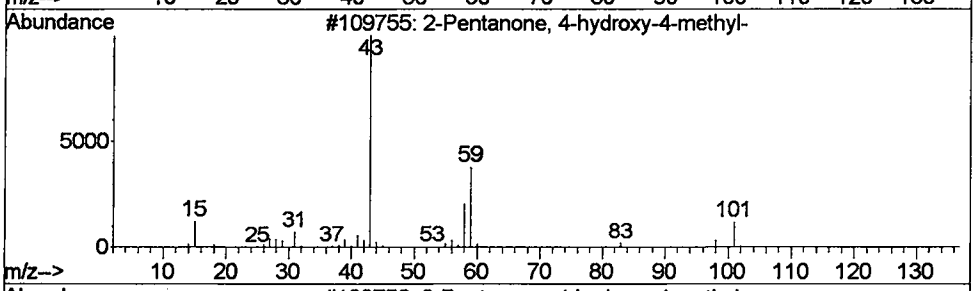
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

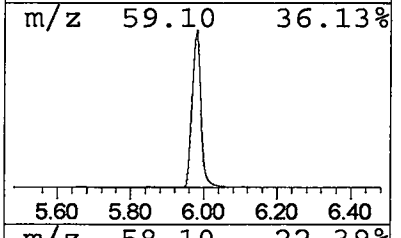
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	17.00 ug/L	20706900	1,4-Dichlorobenzene-d4	9.94

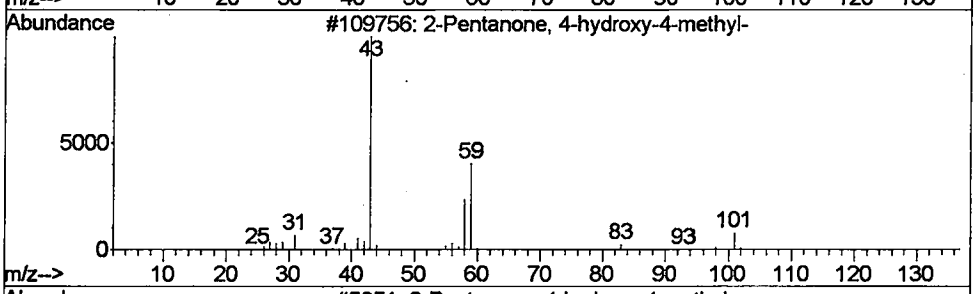
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36

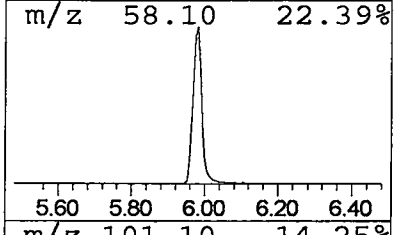


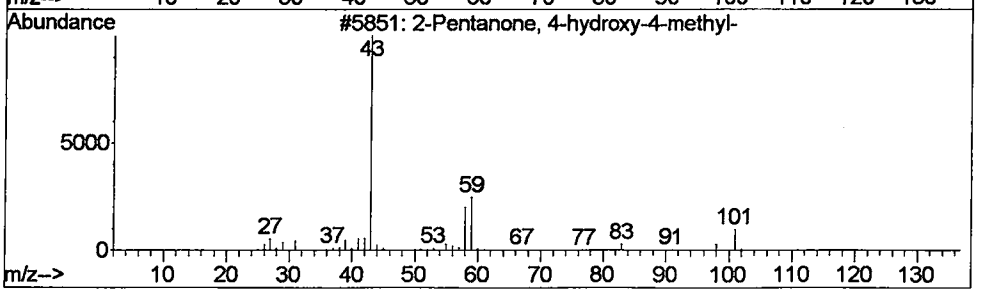


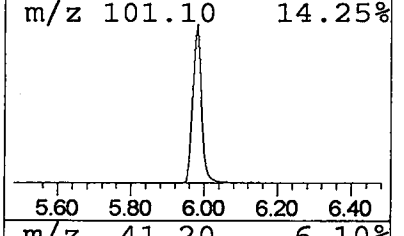


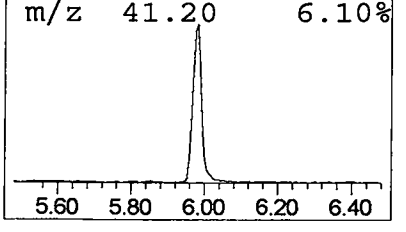












Data File : C:\MSDCHEM\1\DATA\050902\9576.D Vial: 12
Acq On : 10 May 2002 12:15 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

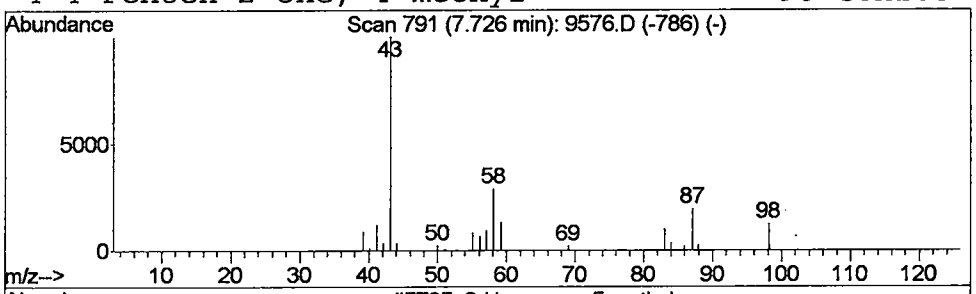
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

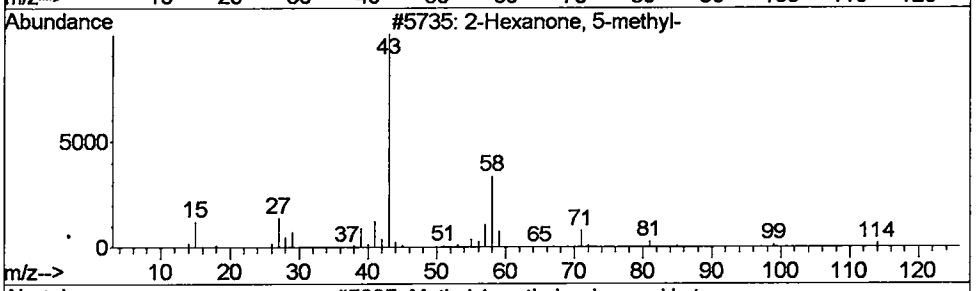
****

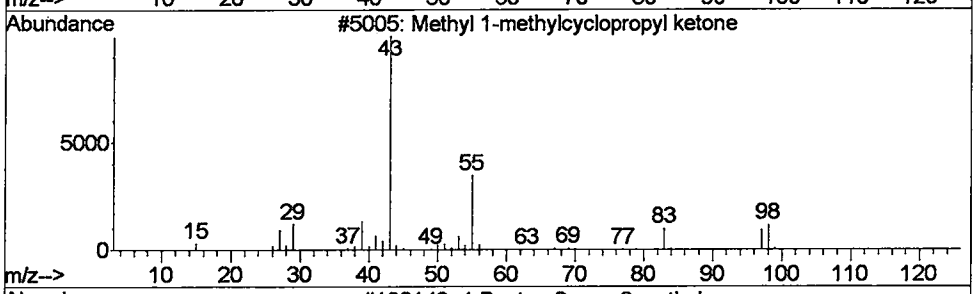
Peak Number 4 2-Hexanone, 5-methyl- Concentration Rank 3

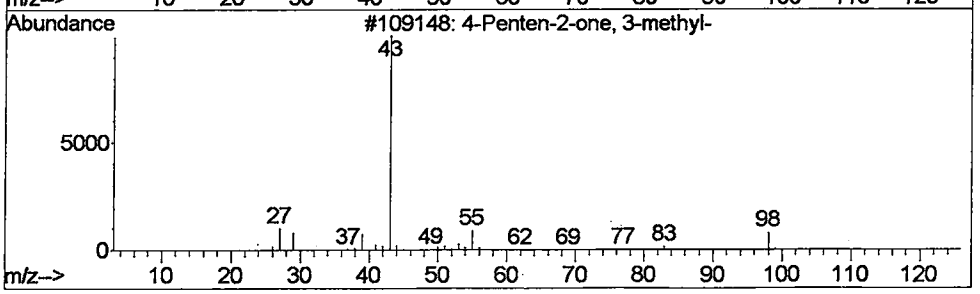
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	0.41 ug/L	503342	1,4-Dichlorobenzene-d4	9.94

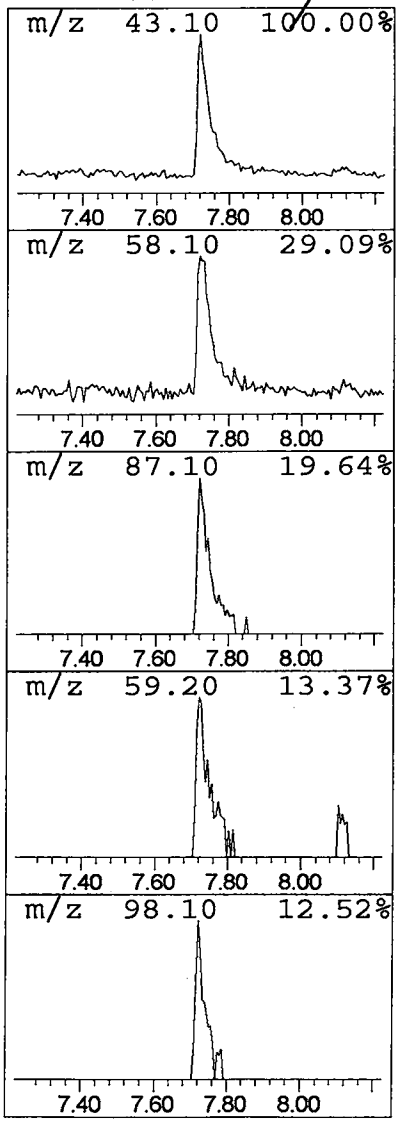
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	25
2	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	10
3	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	10
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9











Data File : C:\MSDCHEM\1\DATA\050902\9576.D Vial: 12
Acq On : 10 May 2002 12:15 am 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

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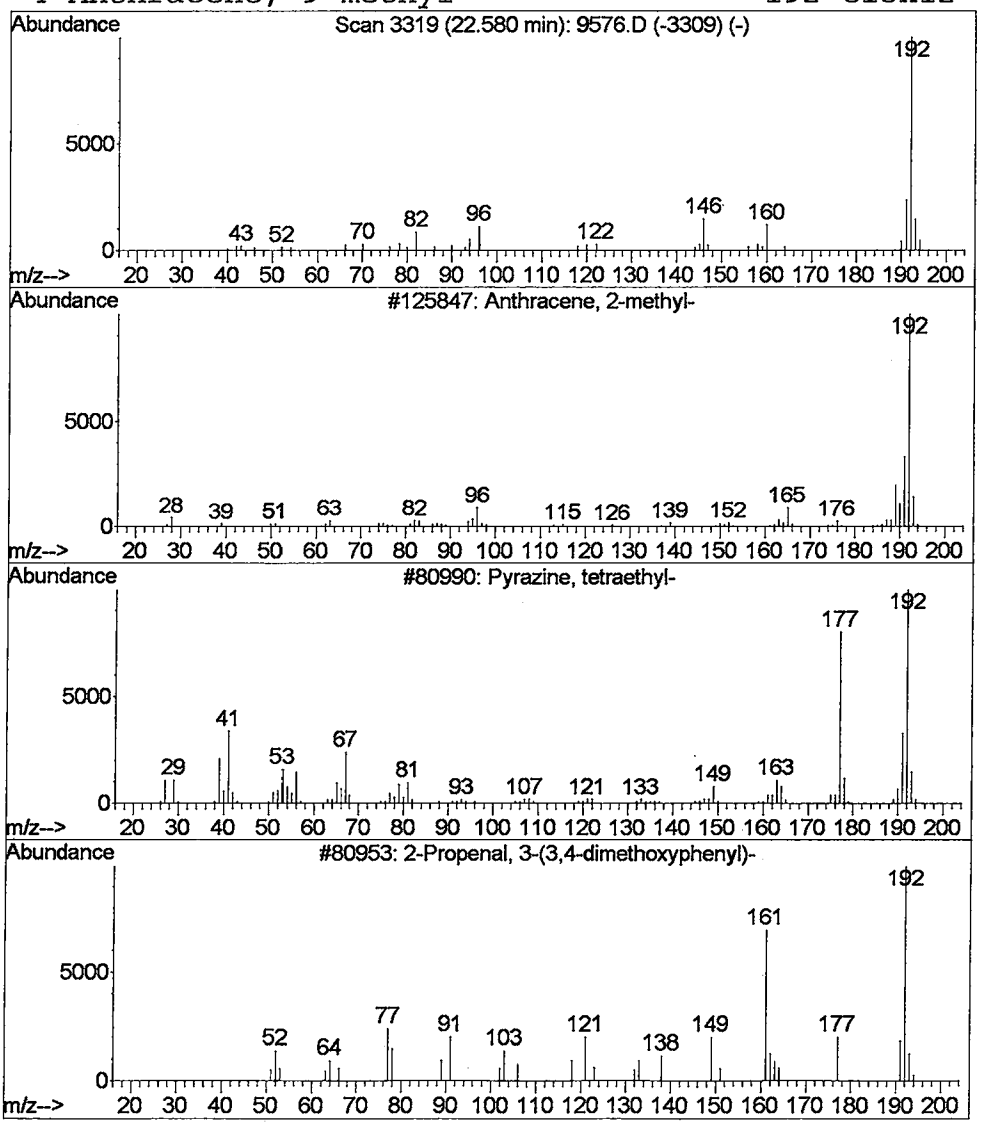
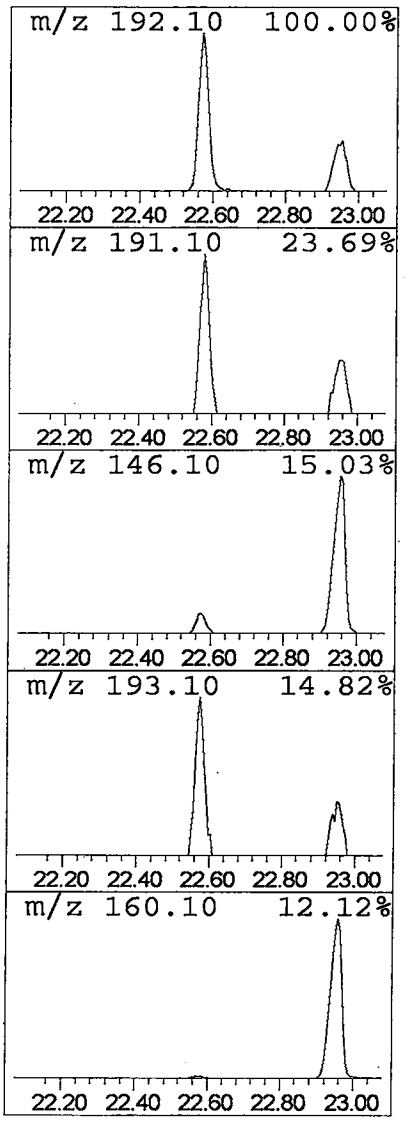
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.36 ug/L	615044	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
2	Pyrazine, tetraethyl-	192	C12H20N2	038325-19-8	45
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40





Data File : C:\MSDCHEM\1\DATA\050902\9576.D Vial: 12
Acq On : 10 May 2002 12:15 am 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

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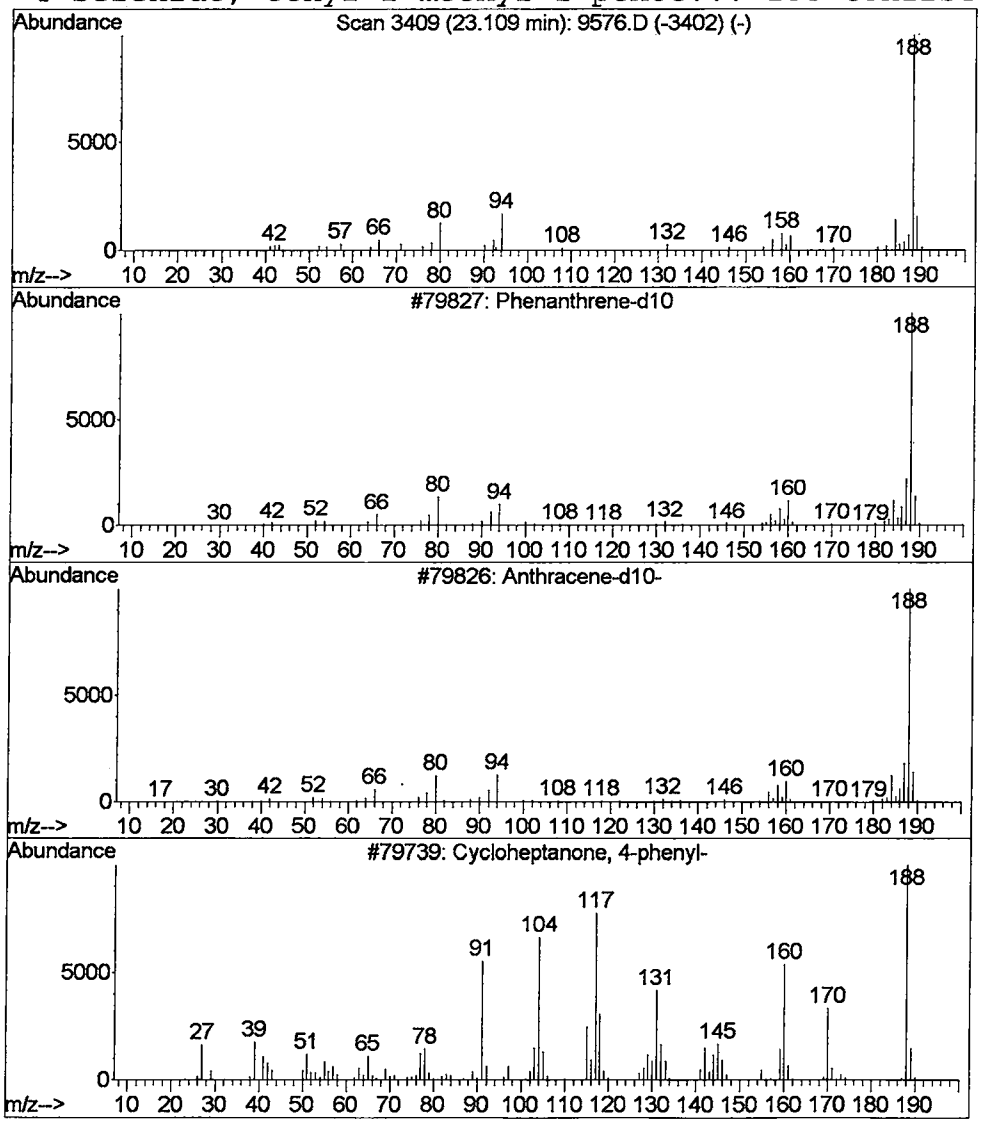
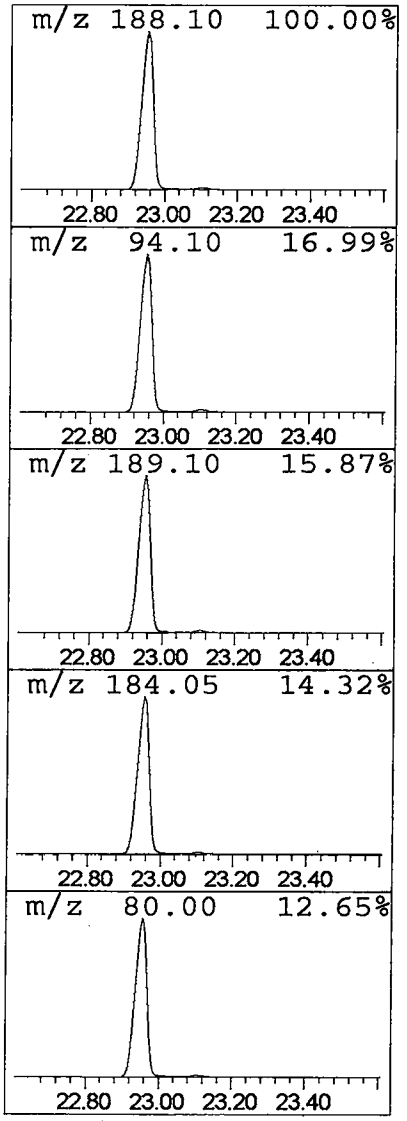
Peak Number 6 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.51 ug/L	874281	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	91
2	Anthracene-d10-	188	C14D10	001719-06-8	91
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
4	Selenide, ethyl 1-methyl-1-pente...	188	C8H12Se	025128-48-7	42





Operator ID: Mclean Date Acquired: 10 May 2002 12:15 am
Data File: C:\MSDCHEM\1\DATA\050902\9576.D
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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
Acetonitrile, dic...	3.63	0.3	ug/L	328139	1	9.94	48725700	40.0
Hexanal	5.11	0.2	ug/L	270702	1	9.94	48725700	40.0
2-Pentanone, 4-hy...	5.98	17.0	ug/L	20706900	1	9.94	48725700	40.0
2-Hexanone, 5-met...	7.72	0.4	ug/L	503342	1	9.94	48725700	40.0
Anthracene, 2-met...	22.58	0.4	ug/L	615044	4	22.96	68789700	40.0
Phenanthrene-d10	23.11	0.5	ug/L	874281	4	22.96	68789700	40.0