User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 15:01:13

Sample: AE09577
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 15:00 Ended: 5/14/02 15:00 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		82		10.0

Comments for Sample AE09577 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 15:01:20

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\9577.D Vial: 13
Acq On : 10 May 2002 1:04 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:51:56 2002 Quant Results File: 050102.RES

re-extracted

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	5503254	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21655040	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11718305	40.00	ug/L	0:00
29) Phenanthranene-d10	22.95	188	16588759	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	11357069	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	6295330	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2319956	32.61	ug/L	0.00
Spiked Amount 40.000			Recovery = 81.53%			
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	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.54	77	38455	N.D.		
30) Nnitrosodiphenylamine	20.54	169	42447	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	0.00	149	0	N.D.		

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

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MS Integration Params: EVENTS.E
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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

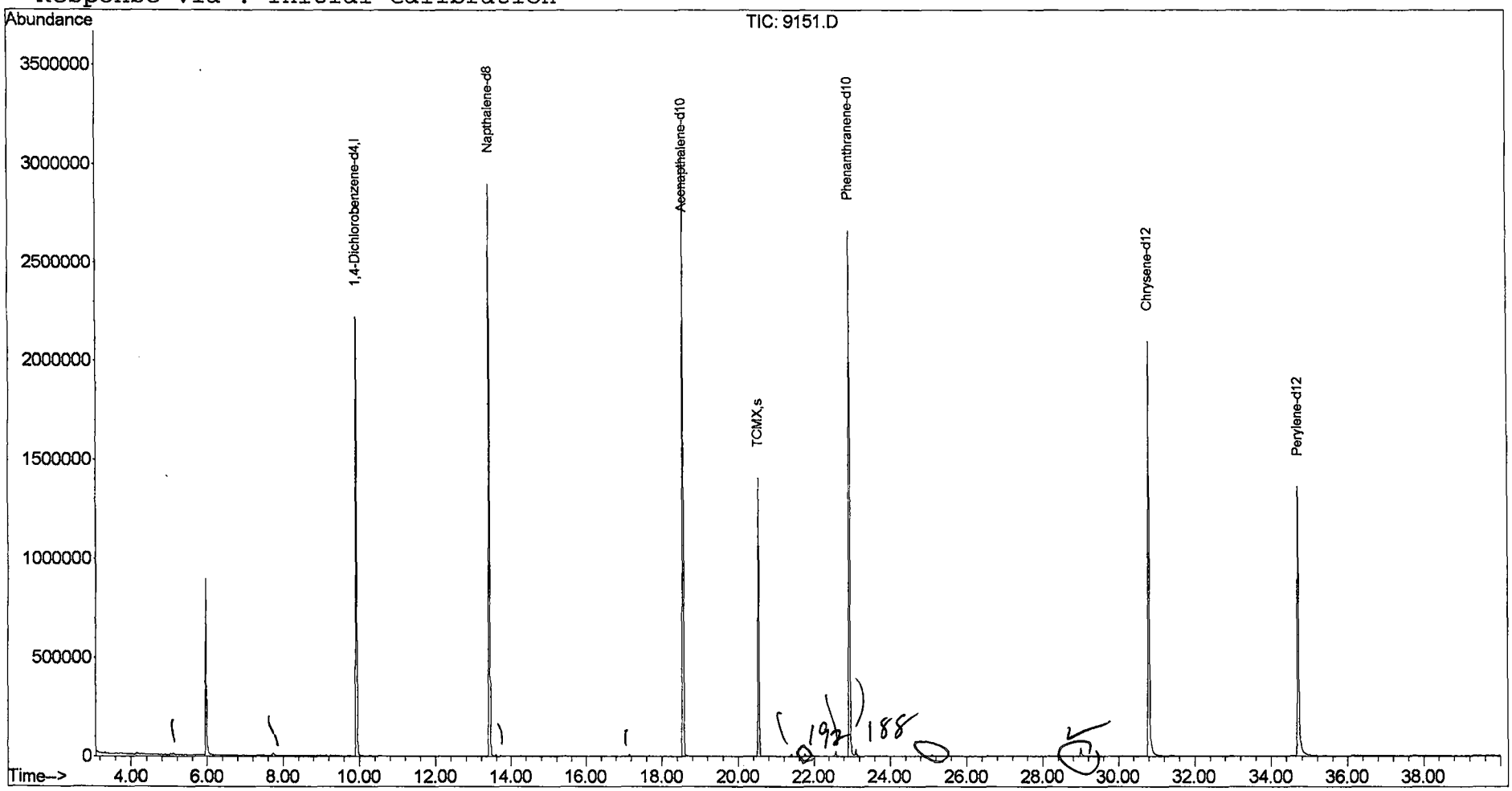
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	25867	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	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.	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\9151.D Vial: 18
Acq On : 10 May 2002 5:58 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 9:50 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



Data File : C:\MSDCHEM\1\DATA\050902\9577.D
Acq On : 10 May 2002 1:04 am
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 13
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

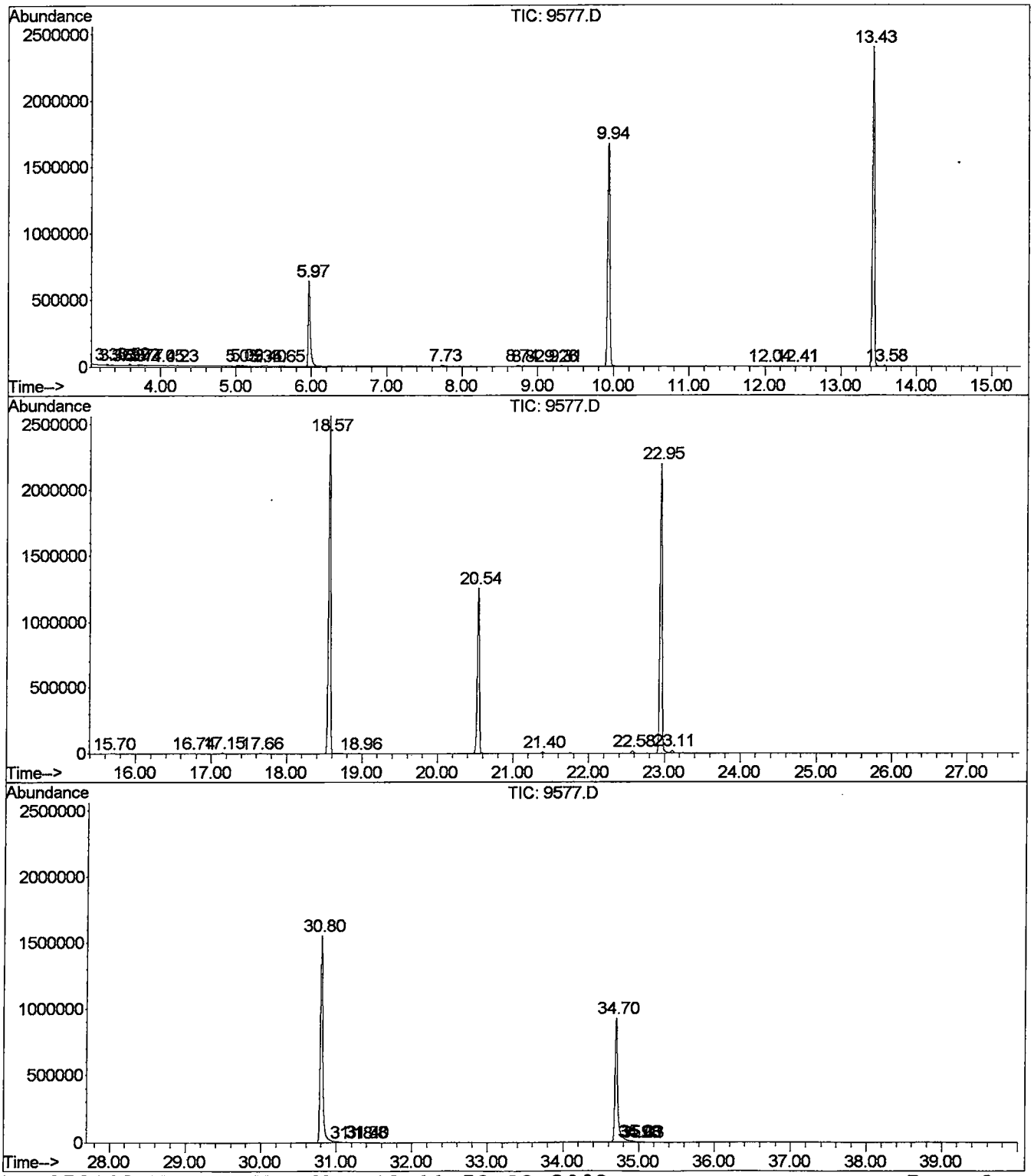
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.297	32	37	44	PV 3	8481	133999	0.28%	0.050%
2	3.355	44	47	60	VV 9	2912	76484	0.16%	0.028%
3	3.526	72	76	78	PV 4	1982	26053	0.05%	0.010%
4	3.590	82	87	97	VV	12677	233416	0.49%	0.087%
5	3.720	100	109	114	VV 3	8286	235321	0.49%	0.088%
6	3.767	114	117	126	VV 8	4131	129607	0.27%	0.048%
7	4.049	163	165	171	VV 6	2424	46652	0.10%	0.017%
8	4.231	193	196	201	VV 7	2504	44930	0.09%	0.017%
9	5.024	323	331	338	PV 8	5727	158123	0.33%	0.059%
10	5.089	338	342	358	VV 6	6854	218456	0.46%	0.081%
11	5.341	382	385	387	VV 4	1890	19176	0.04%	0.007%
12	5.400	391	395	400	VV 5	2760	55194	0.12%	0.021%
13	5.647	420	437	442	PV 5	2350	95586	0.20%	0.036%
14	5.970	485	492	520	PV	638778	12230871	25.63%	4.555%
15	7.733	786	792	814	PV 5	8380	265790	0.56%	0.099%
16	8.743	956	964	972	VV 4	6028	132857	0.28%	0.049%
17	8.820	972	977	984	VV 7	2306	50014	0.10%	0.019%
18	9.254	1047	1051	1056	VV 5	1543	29226	0.06%	0.011%
19	9.313	1056	1061	1069	PV 5	2784	56428	0.12%	0.021%
20	9.936	1157	1167	1188	PV	1682543	33201221	69.57%	12.365%
21	12.040	1520	1525	1534	VV 3	2552	48154	0.10%	0.018%
22	12.410	1583	1588	1592	VV 5	1875	29363	0.06%	0.011%
23	13.432	1750	1762	1782	PV	2385211	44227139	92.67%	16.471%
24	13.585	1782	1788	1800	VV 2	7329	142352	0.30%	0.053%
25	15.700	2139	2148	2155	PV 6	1571	40351	0.08%	0.015%
26	16.746	2321	2326	2335	VV 2	4205	73212	0.15%	0.027%
27	17.145	2389	2394	2404	VV 3	7502	119235	0.25%	0.044%
28	17.657	2477	2481	2488	VV 5	3283	59445	0.12%	0.022%
29	18.567	2625	2636	2652	VV	2530550	47725586	100.00%	17.774%
30	18.961	2699	2703	2710	VV 4	1850	34462	0.07%	0.013%
31	20.541	2960	2972	2991	VV	1235506	23146460	48.50%	8.620%
32	21.393	3112	3117	3123	VV 3	10905	175365	0.37%	0.065%
33	22.580	3312	3319	3330	VV 2	17795	340835	0.71%	0.127%
34	22.950	3371	3382	3403	PV 2	2167129	45303223	94.92%	16.872%
35	23.109	3403	3409	3422	VV 2	21238	487291	1.02%	0.181%
36	30.806	4707	4719	4778	PV 2	1537853	35789196	74.99%	13.329%
37	31.176	4778	4782	4787	VV 5	1837	42008	0.09%	0.016%

39	31.100	1618	1620	1624	VV	4	1852	17884	0.04%	0.007%
40	34.702	5363	5382	5427	PV	2	923872	23186285	48.58%	8.635%
41	34.984	5427	5430	5432	VV	4	2131	36681	0.08%	0.014%
42	35.001	5432	5433	5436	VV	2	2468	17747	0.04%	0.007%
43	35.025	5436	5437	5439	VV	2	721	4912	0.01%	0.002%

Sum of corrected areas: 268511549

File : C:\MSDCHEM\1\DATA\050902\9577.D
Operator : Mclean
Acquired : 10 May 2002 1:04 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 kb
Misc Info :
Vial Number: 13
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\050902\9577.D
Acq On : 10 May 2002 1:04 am
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 13
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

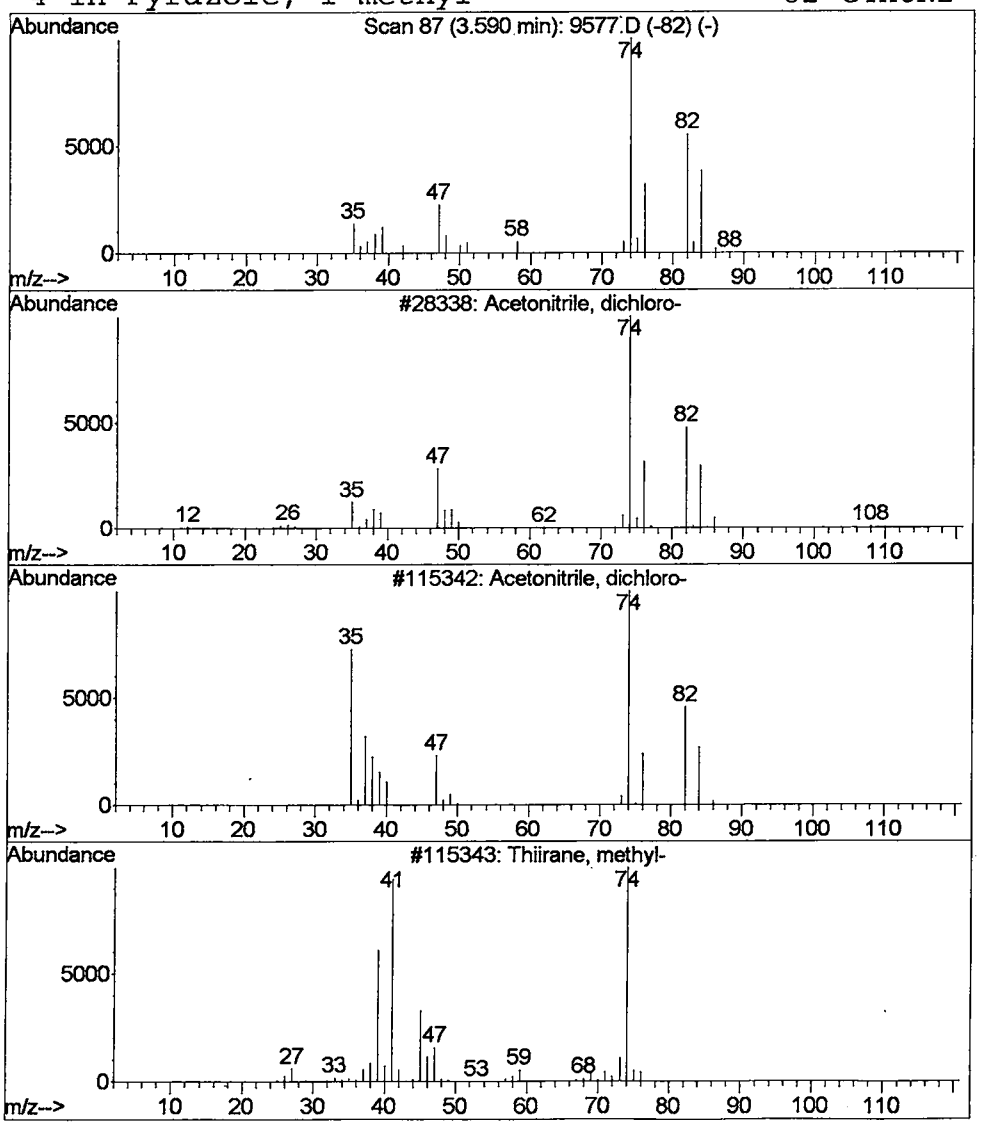
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

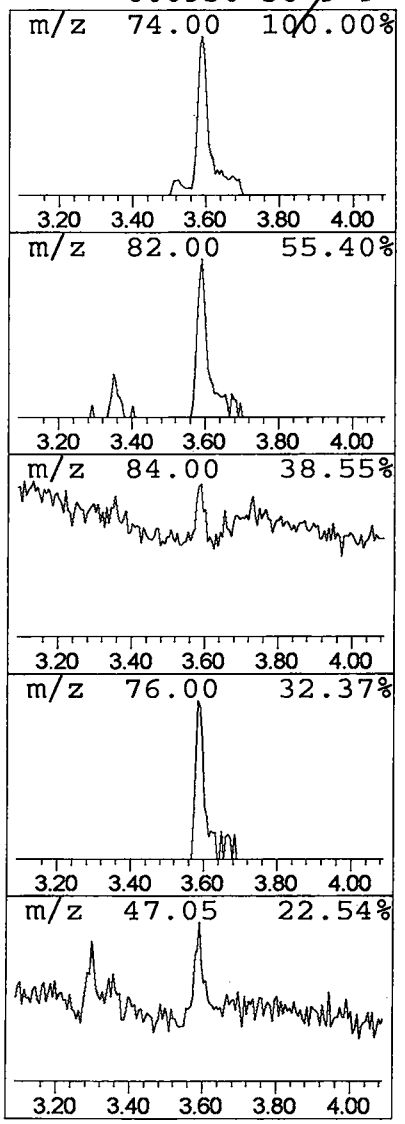
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.59	0.28 ug/L	233416	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	78
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	72
3	Thiirane, methyl-	74	C3H6S	001072-43-1	9
4	1H-Pyrazole, 1-methyl-	82	C4H6N2	000930-36-9	9





Data File : C:\MSDCHEM\1\DATA\050902\9577.D
Acq On : 10 May 2002 1:04 am
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 13
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

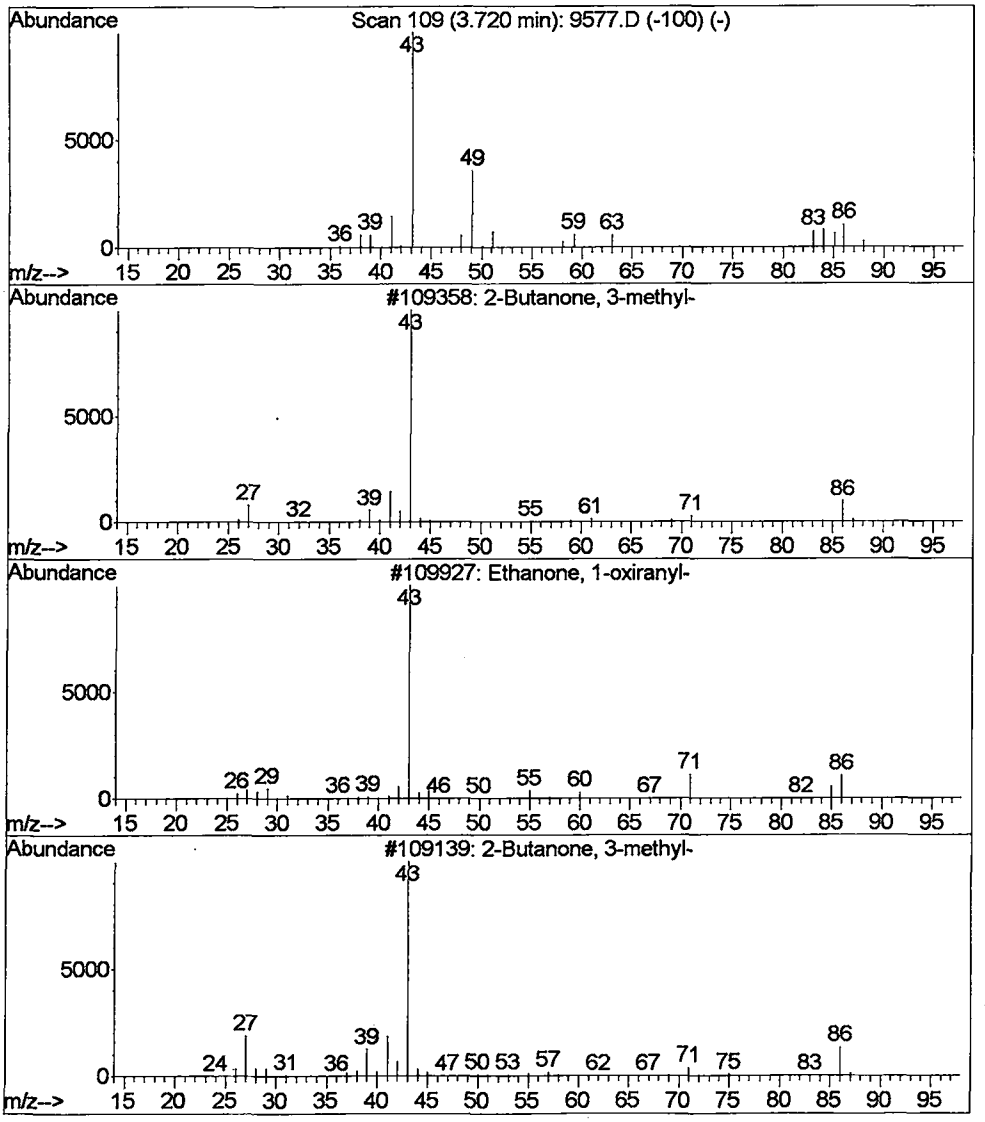
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

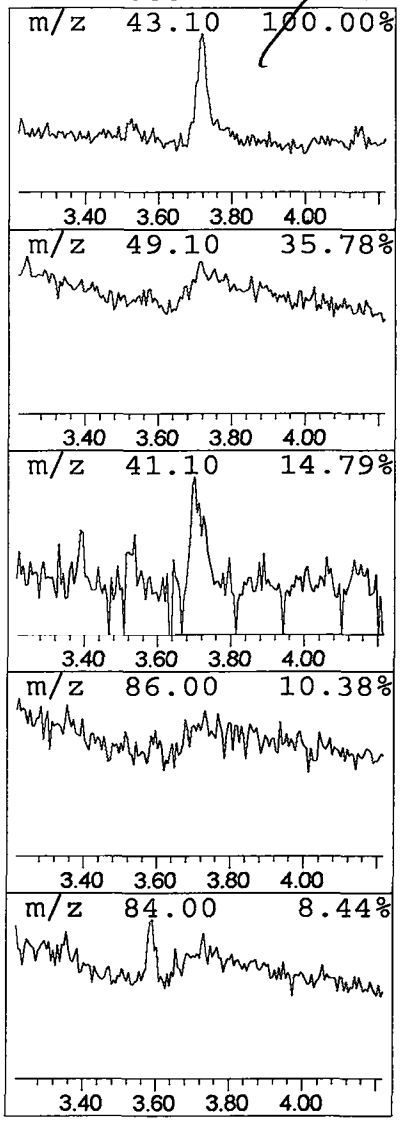
****

Peak Number 2 2-Butanone, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.28 ug/L	235321	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	7
2	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	5
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	4
4	2-Pentanone	86	C5H10O	000107-87-9	4





Data File : C:\MSDCHEM\1\DATA\050902\9577.D Vial: 13
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Misc : Multiplr: 1.00
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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
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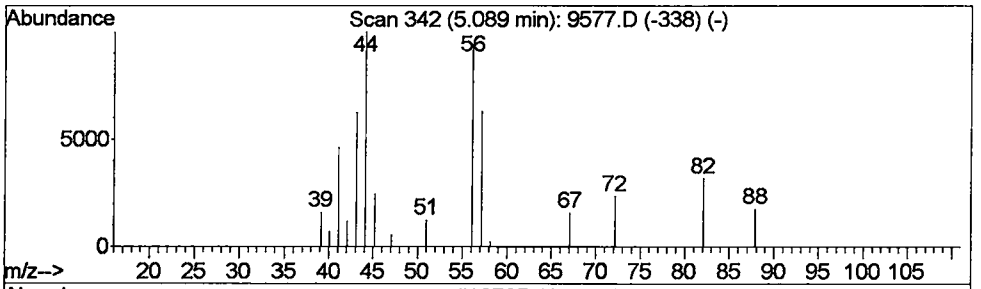
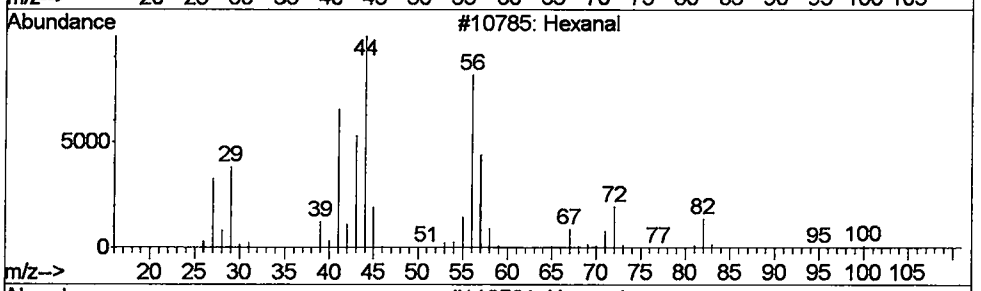
****

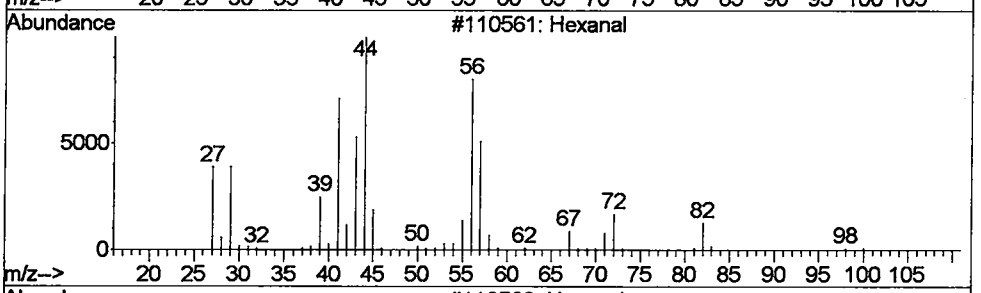
Peak Number 3 Hexanal Concentration Rank 7

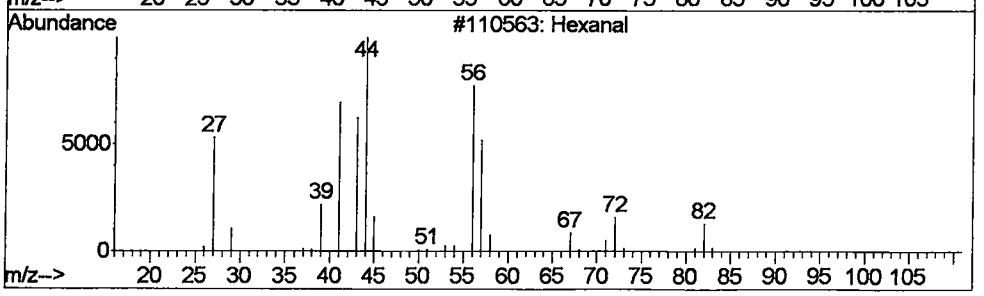
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	0.26 ug/L	218456	1,4-Dichlorobenzene-d4	9.94

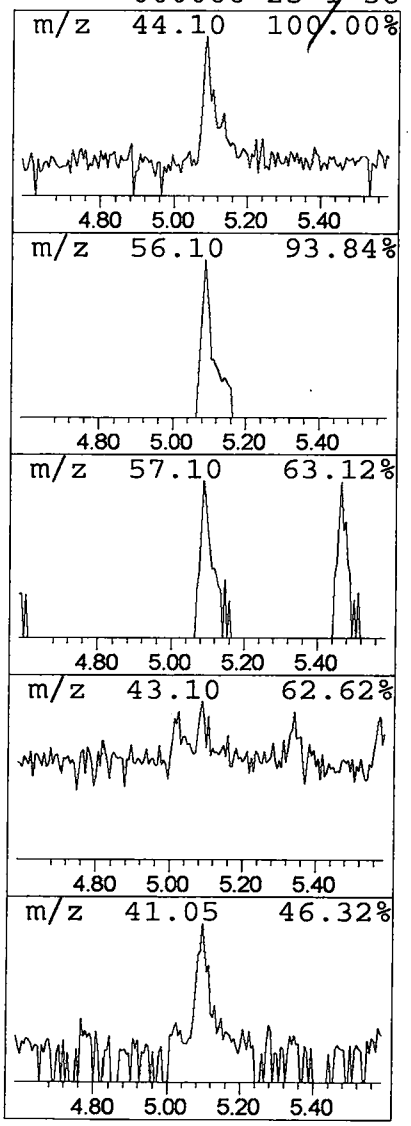
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	72
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	56











Data File : C:\MSDCHEM\1\DATA\050902\9577.D Vial: 13
Acq On : 10 May 2002 1:04 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

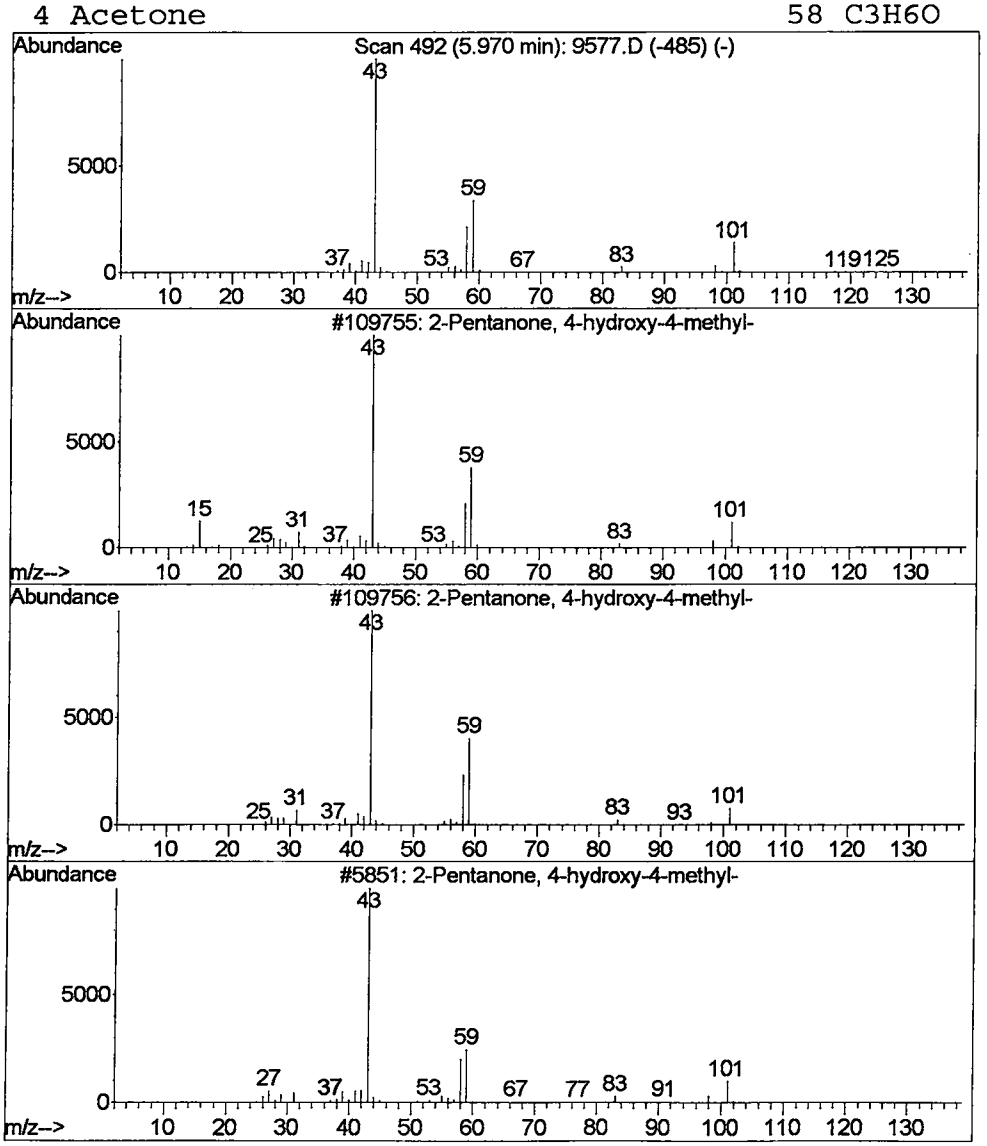
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

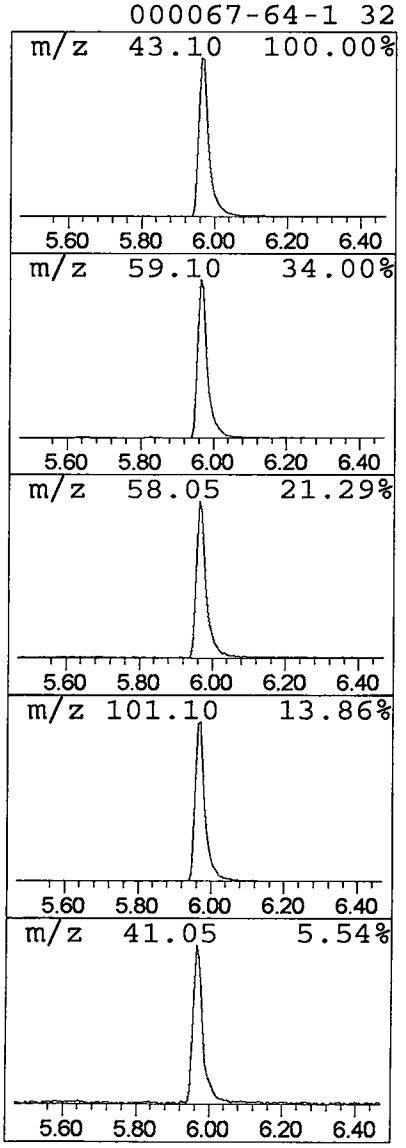
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	14.74 ug/L	12230900	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	86
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	64
4	Acetone	58	C3H6O	000067-64-1	32





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Acq On : 10 May 2002 1:04 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

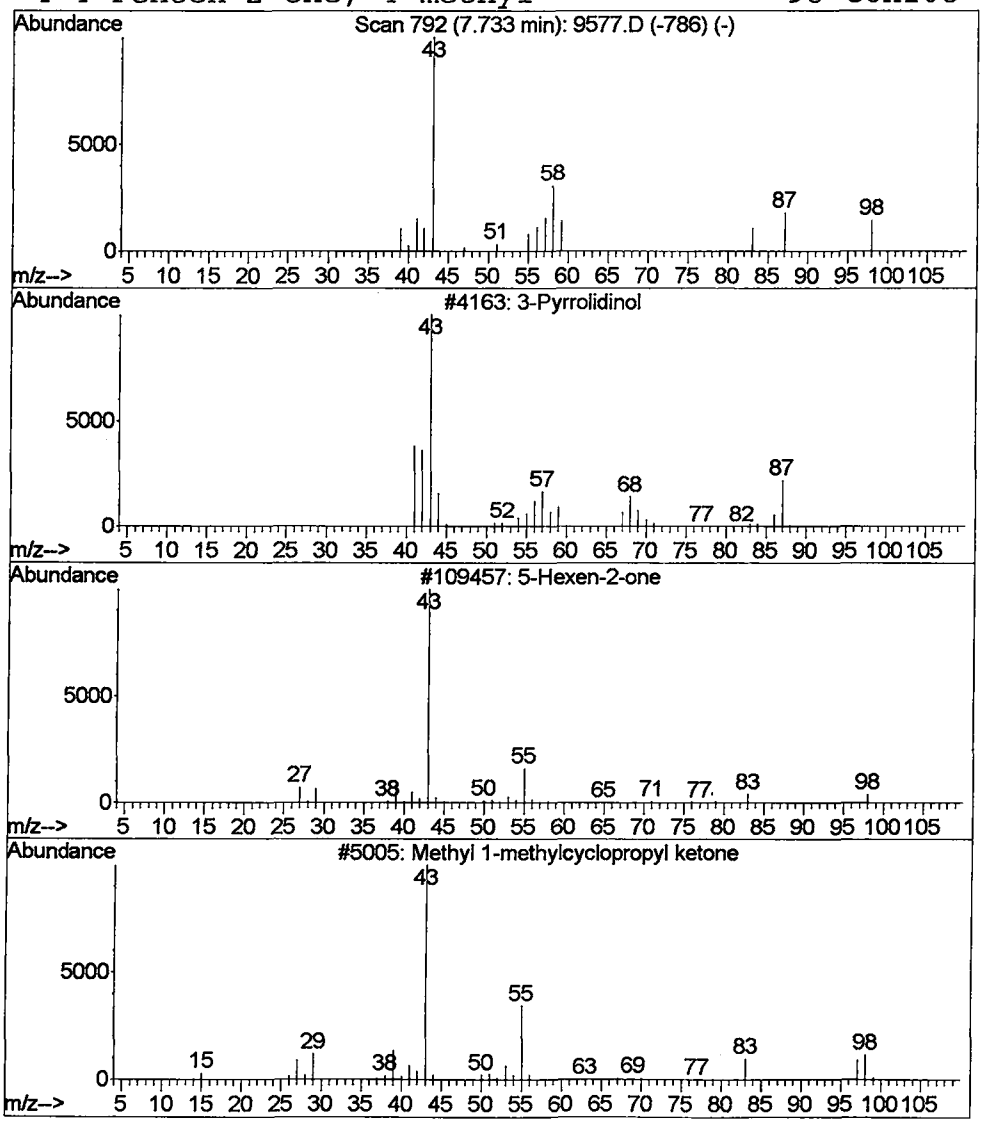
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

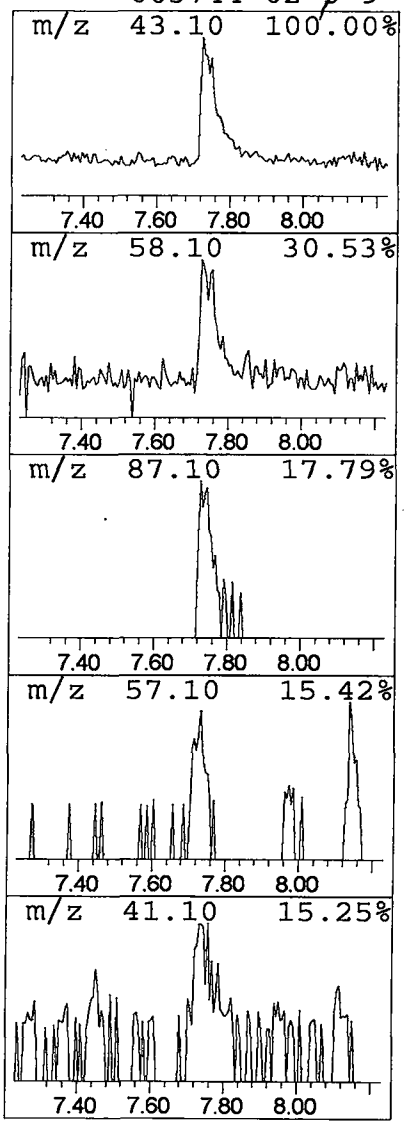
****

Peak Number 5 3-Pyrrolidinol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.32 ug/L	265790	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	37
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	9
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data File : C:\MSDCHEM\1\DATA\050902\9577.D Vial: 13
Acq On : 10 May 2002 1:04 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

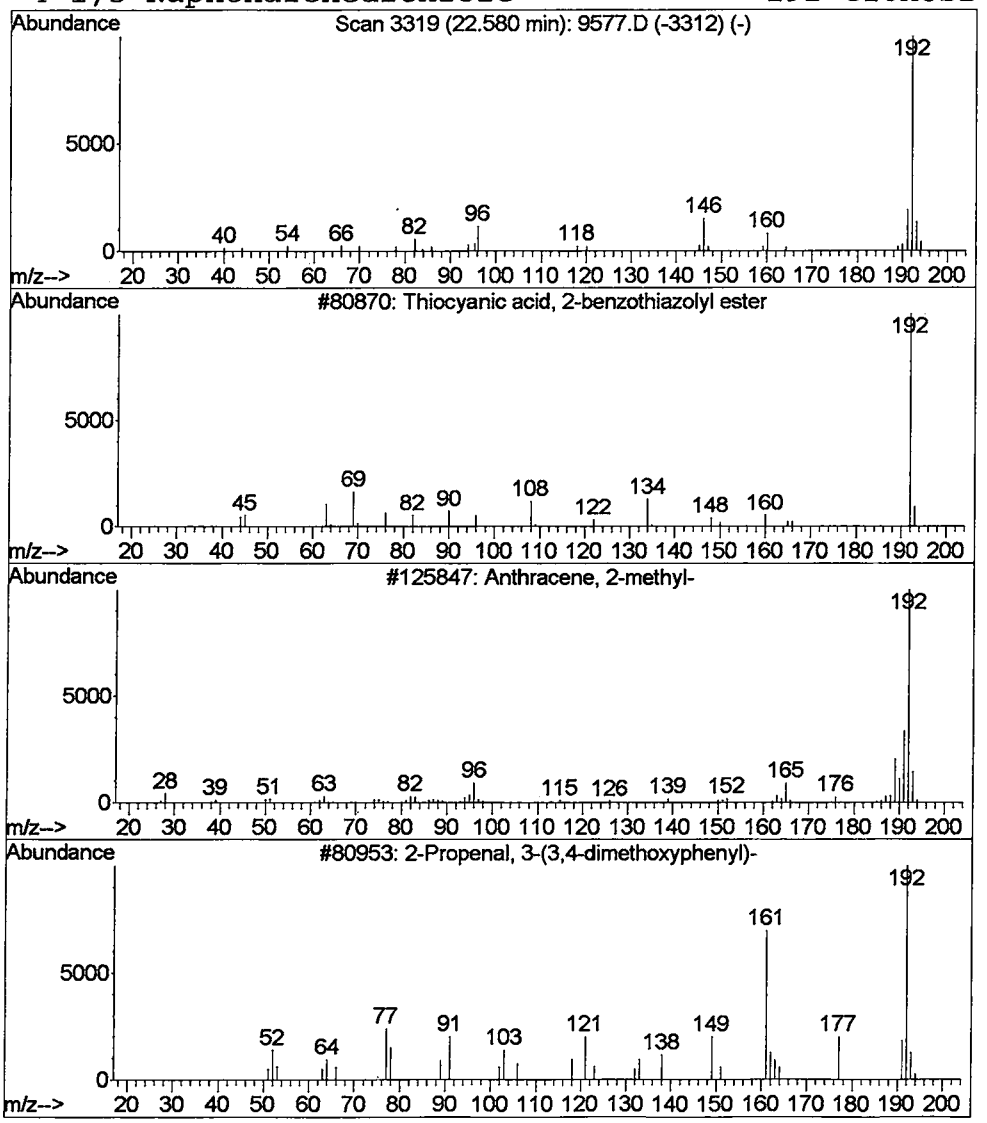
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

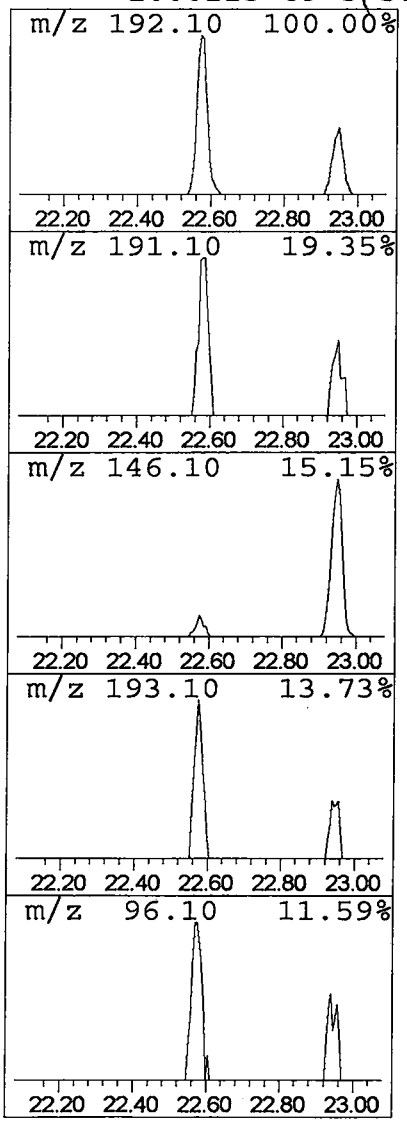
****

Peak Number 6 Thiocyanic acid, 2-benzothi... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	340835	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	53
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	53
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	45
4	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	38





Data File : C:\MSDCHEM\1\DATA\050902\9577.D Vial: 13
Acq On : 10 May 2002 1:04 am Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

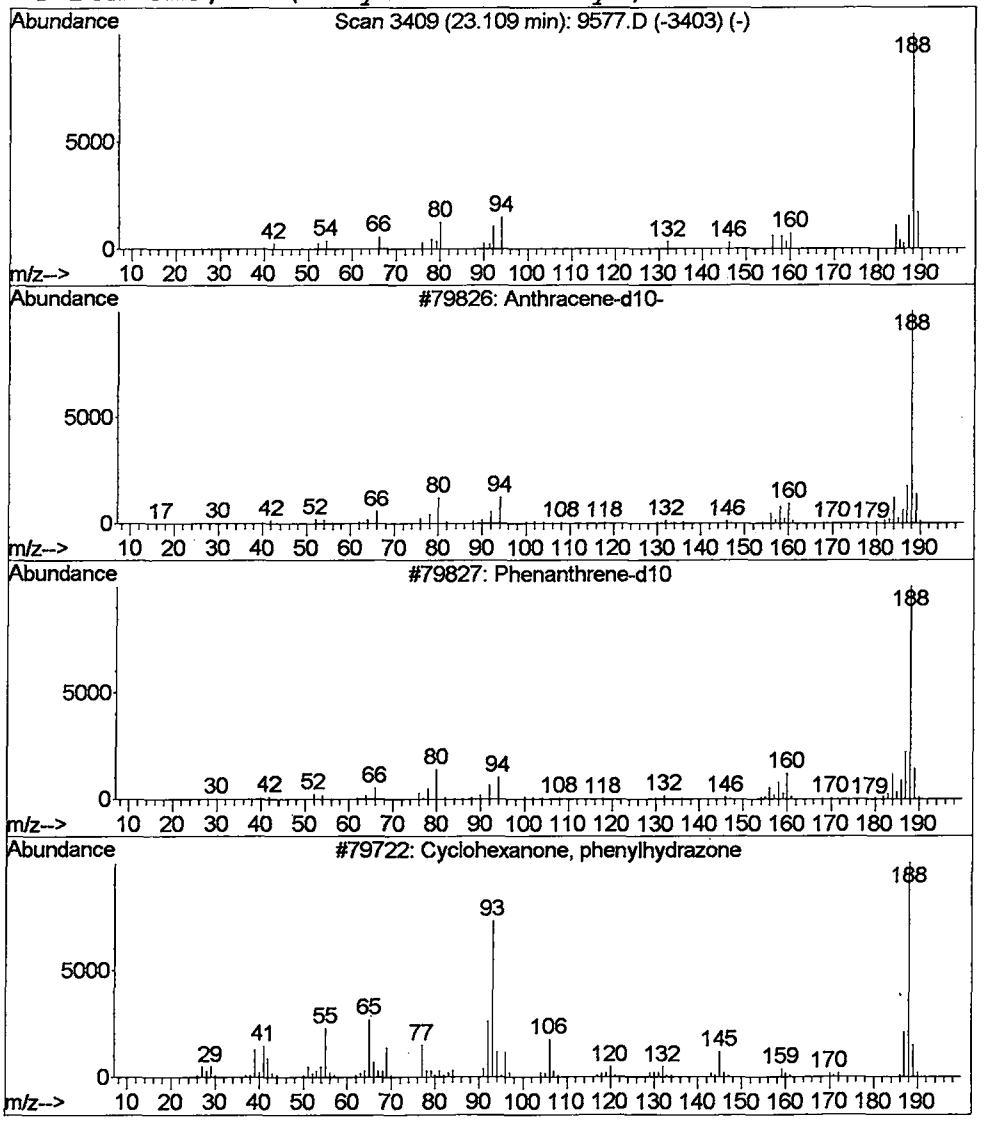
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

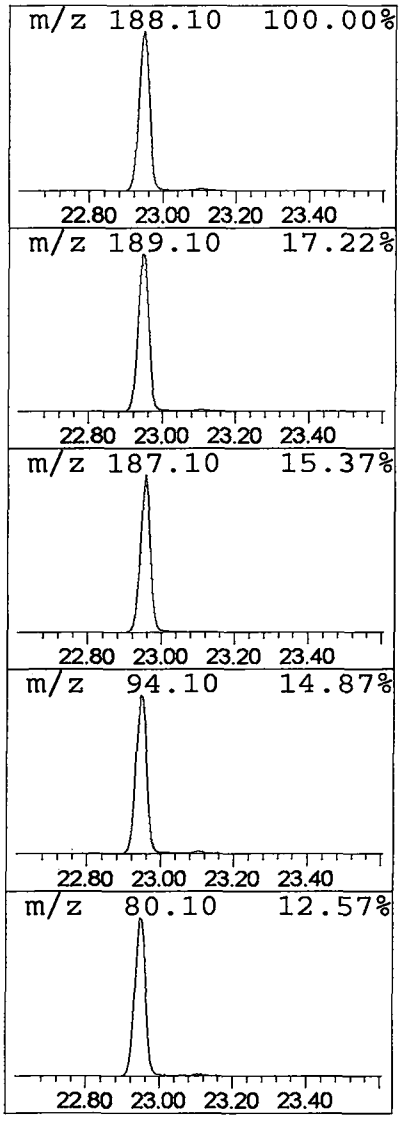
****

Peak Number 7 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.43 ug/L	487291	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	91
3	Cyclohexanone, phenylhydrazone	188	C12H16N2	000946-82-7	53
4	Benzene, 1-(1-cyclohexen-1-yl)-4...	188	C13H16O	020758-60-5	52





Operator ID: Mclean Date Acquired: 10 May 2002 1:04 am
Data File: C:\MSDCHEM\1\DATA\050902\9577.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
Acetonitrile, dic...	3.59	0.3	ug/L	233416	1	9.94	33201200	40.0
2-Butanone, 3-met...	3.72	0.3	ug/L	235321	1	9.94	33201200	40.0
Hexanal	5.09	0.3	ug/L	218456	1	9.94	33201200	40.0
2-Pentanone, 4-hy...	5.97	14.7	ug/L	12230900	1	9.94	33201200	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	265790	1	9.94	33201200	40.0
Thiocyanic acid, ...	22.58	0.3	ug/L	340835	4	22.95	45303200	40.0
Anthracene-d10-	23.11	0.4	ug/L	487291	4	22.95	45303200	40.0