User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:04:28

Sample: AE10850
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:04 Ended: 5/14/02 14:04 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		97		10.0

Comments for Sample AE10850 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:04:41

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:43:54 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	9.93	152	4863752	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19225079	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10353192	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15057271	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	10041446	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	5570585	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2435690	38.75	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.88%			
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	43283	N.D.		
30) Nnitrosodiphenylamine	20.54	169	48355	0.26	ug/L #	60
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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
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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

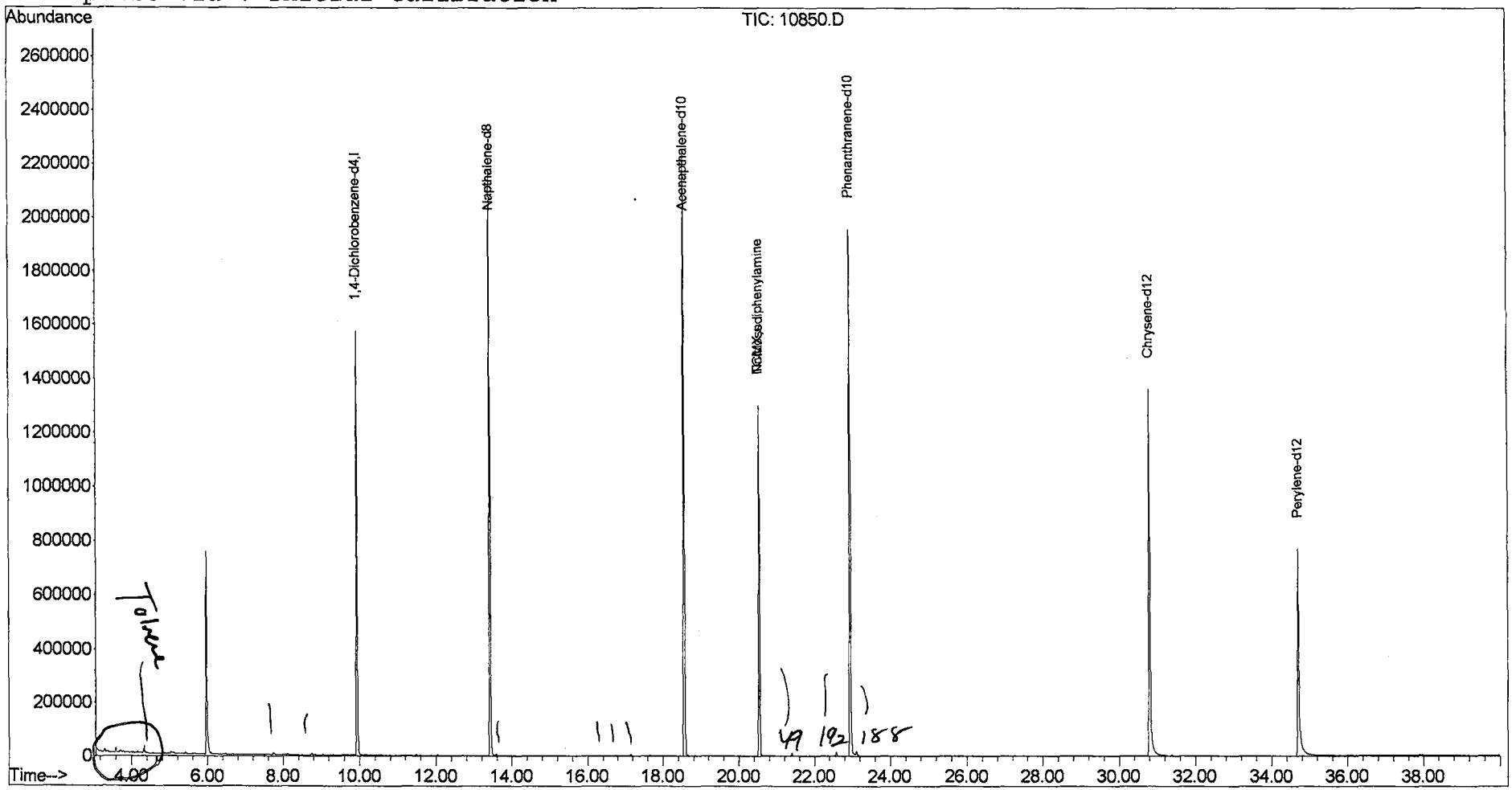
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	0.00	228	0	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	18341	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	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\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:44 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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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

Signal : TIC

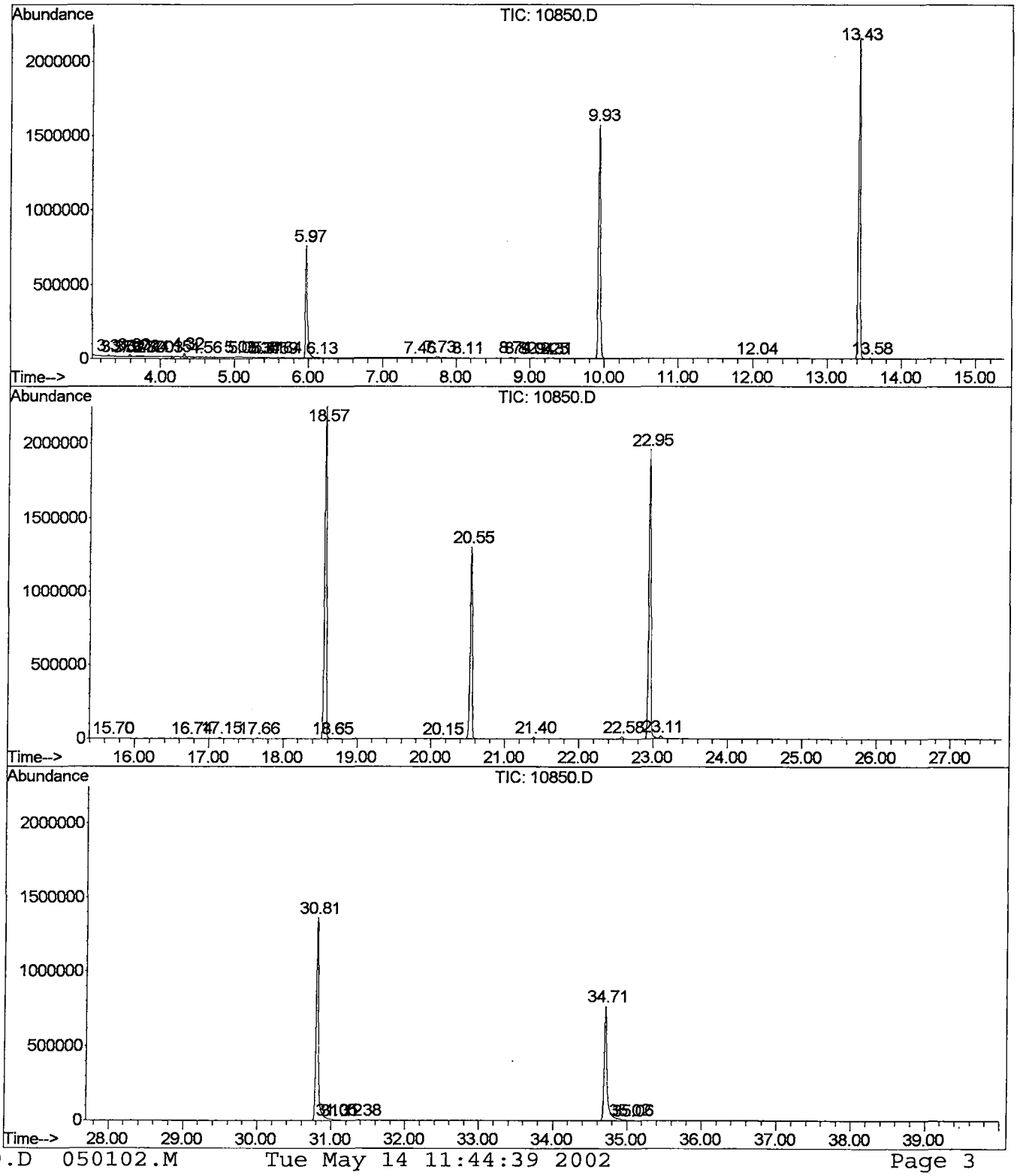
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.308	34	39	45	PV 2	9327	145161	0.34%	0.059%
2	3.367	45	49	53	VV 7	3103	44477	0.10%	0.018%
3	3.526	73	76	83	PV 8	1981	40323	0.09%	0.016%
4	3.596	83	88	95	PV	16320	251160	0.59%	0.102%
5	3.726	95	110	116	VV 6	7402	266179	0.63%	0.108%
6	3.773	116	118	121	VV 4	3730	54208	0.13%	0.022%
7	3.802	121	123	131	VV 7	3224	82136	0.19%	0.033%
8	4.037	160	163	169	PV 6	1645	28705	0.07%	0.012%
9	4.154	176	183	190	BV 7	4637	96541	0.23%	0.039%
10	4.325	205	212	220	VV	25548	439601	1.03%	0.178%
11	4.566	249	253	255	PV 4	1712	25022	0.06%	0.010%
12	5.024	327	331	336	VV 6	5213	105328	0.25%	0.043%
13	5.077	336	340	352	VV 9	4209	136744	0.32%	0.055%
14	5.341	380	385	388	PV 3	2368	38443	0.09%	0.016%
15	5.377	388	391	393	VV 4	2254	25908	0.06%	0.011%
16	5.412	393	397	403	VV 6	4454	100044	0.24%	0.041%
17	5.588	419	427	432	VV 8	2191	54238	0.13%	0.022%
18	5.641	432	436	443	VV 6	2885	69385	0.16%	0.028%
19	5.970	482	492	518	PV	747963	13562095	31.92%	5.497%
20	6.129	518	519	526	VV 4	1429	22700	0.05%	0.009%
21	7.457	739	745	754	VV 6	1987	45248	0.11%	0.018%
22	7.733	787	792	805	VV 3	8493	250243	0.59%	0.101%
23	8.115	852	857	864	VV 5	2954	57437	0.14%	0.023%
24	8.743	959	964	972	VV 2	6806	142094	0.33%	0.058%
25	8.820	972	977	985	VV 5	2754	60300	0.14%	0.024%
26	9.043	1008	1015	1021	PV 6	1865	48747	0.11%	0.020%
27	9.254	1040	1051	1057	VV 8	1869	44607	0.10%	0.018%
28	9.307	1057	1060	1070	VV 8	2379	62782	0.15%	0.025%
29	9.936	1155	1167	1181	PV	1555170	29242588	68.82%	11.853%
30	12.039	1513	1525	1536	PV 7	2013	56032	0.13%	0.023%
31	13.432	1748	1762	1779	PV	2135559	39296993	92.48%	15.928%
32	13.585	1779	1788	1793	VV	6297	108351	0.25%	0.044%
33	15.694	2144	2147	2153	PV 3	1872	28489	0.07%	0.012%
34	16.746	2319	2326	2336	PV 6	3206	75557	0.18%	0.031%
35	17.151	2387	2395	2401	VV 5	7618	125930	0.30%	0.051%
36	17.662	2469	2482	2486	PV 4	3940	57830	0.14%	0.023%
37	18.567	2623	2636	2648	PV	2260787	42492528	100.00%	17.224%

38	18.650	2648	2650	2657	VV	6	1671	29266	0.07%	0.012%
39	20.148	2899	2905	2909	VV	2	1578	26944	0.06%	0.011%
40	20.547	2960	2973	2988	PV		1287846	24507228	57.67%	9.934%
41	21.399	3110	3118	3125	PV	2	10566	175317	0.41%	0.071%
42	22.580	3310	3319	3332	PV	2	14641	282022	0.66%	0.114%
43	22.950	3370	3382	3402	PV	2	1931896	41111033	96.75%	16.664%
44	23.109	3402	3409	3420	VV	2	16281	410008	0.96%	0.166%
45	30.806	4705	4719	4760	PV	2	1358895	31344782	73.77%	12.705%
46	31.053	4760	4761	4771	VV	6	5214	154296	0.36%	0.063%
47	31.117	4771	4772	4782	VV	6	3672	95884	0.23%	0.039%
48	31.376	4812	4816	4825	VV	6	3808	66397	0.16%	0.027%
49	34.707	5371	5383	5434	PV		772729	20663696	48.63%	8.376%
50	35.019	5434	5436	5442	VV	6	2509	48402	0.11%	0.020%
51	35.060	5442	5443	5445	VV		1399	11057	0.03%	0.004%

Sum of corrected areas: 246710486

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051302\10850.D
Operator : Mclean
Acquired : 13 May 2002 10:55 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 15
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D
Acq On : 13 May 2002 10:55 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 15
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

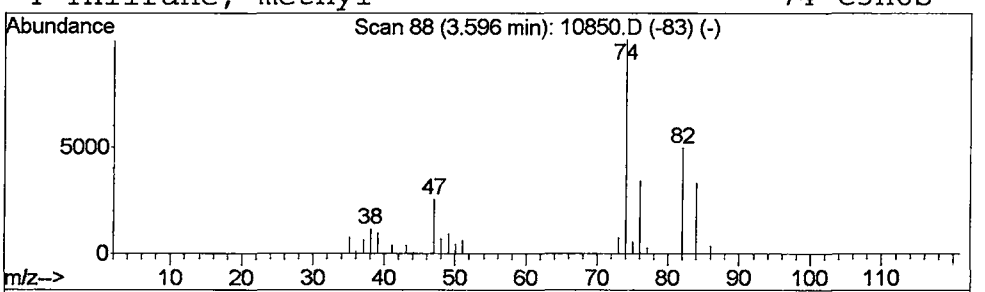
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

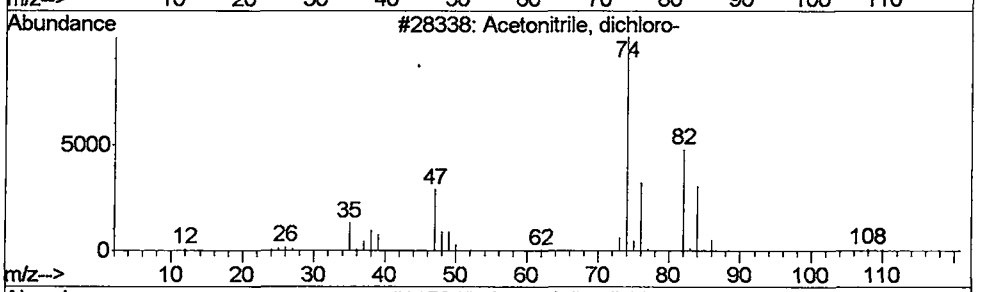
****

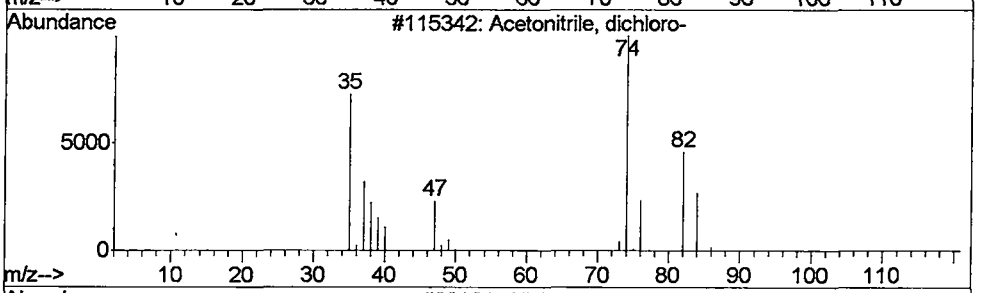
Peak Number 1 Acetonitrile, dichloro- Concentration Rank 5

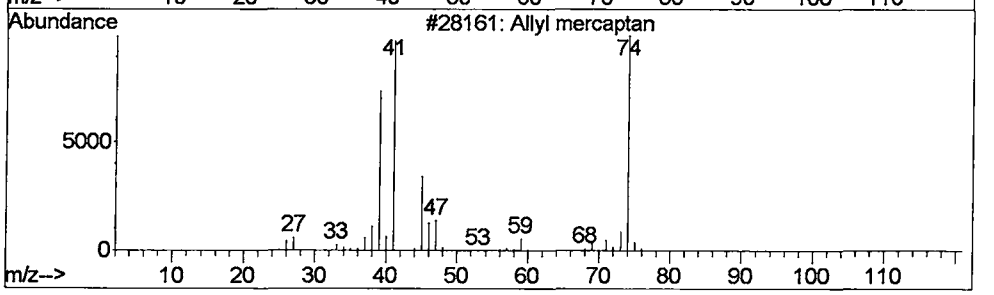
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.34 ug/L	251160	1,4-Dichlorobenzene-d4	9.93

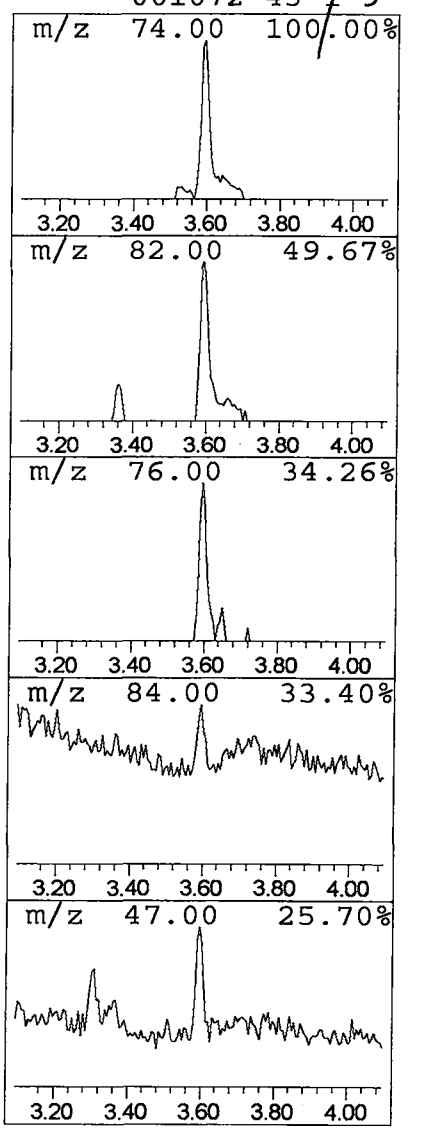
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	32
3	Allyl mercaptan	74	C3H6S	000870-23-5	25
4	Thiirane, methyl-	74	C3H6S	001072-43-1	9











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

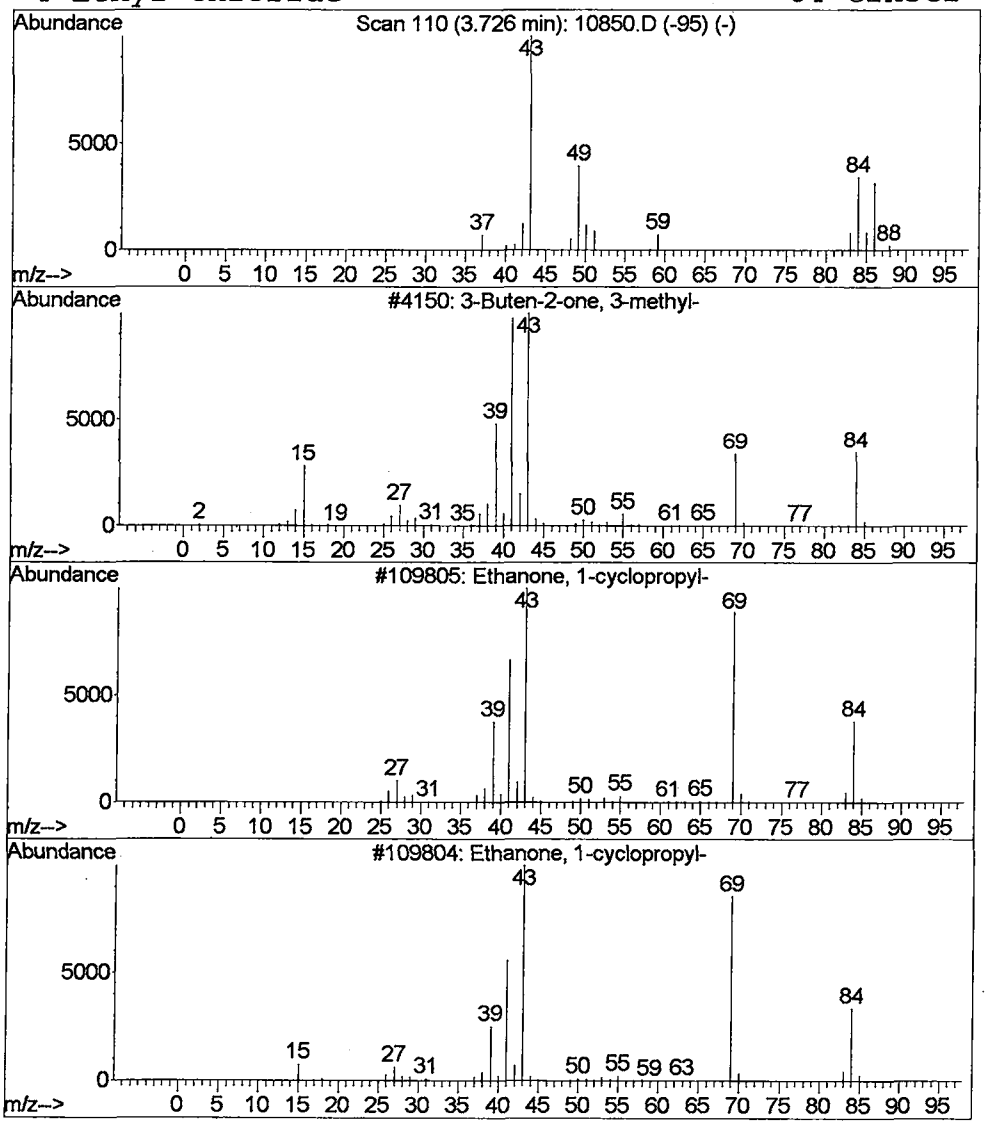
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

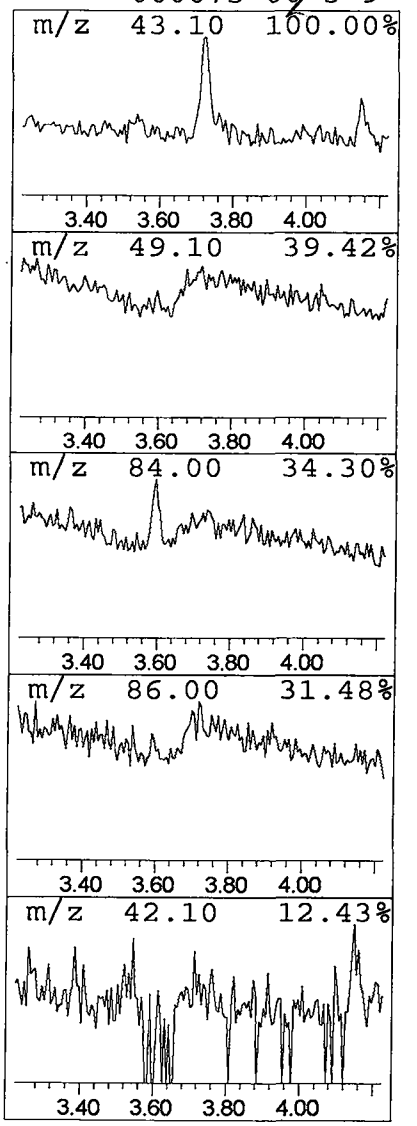
****

Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.36 ug/L	266179	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	9
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	9
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	9
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

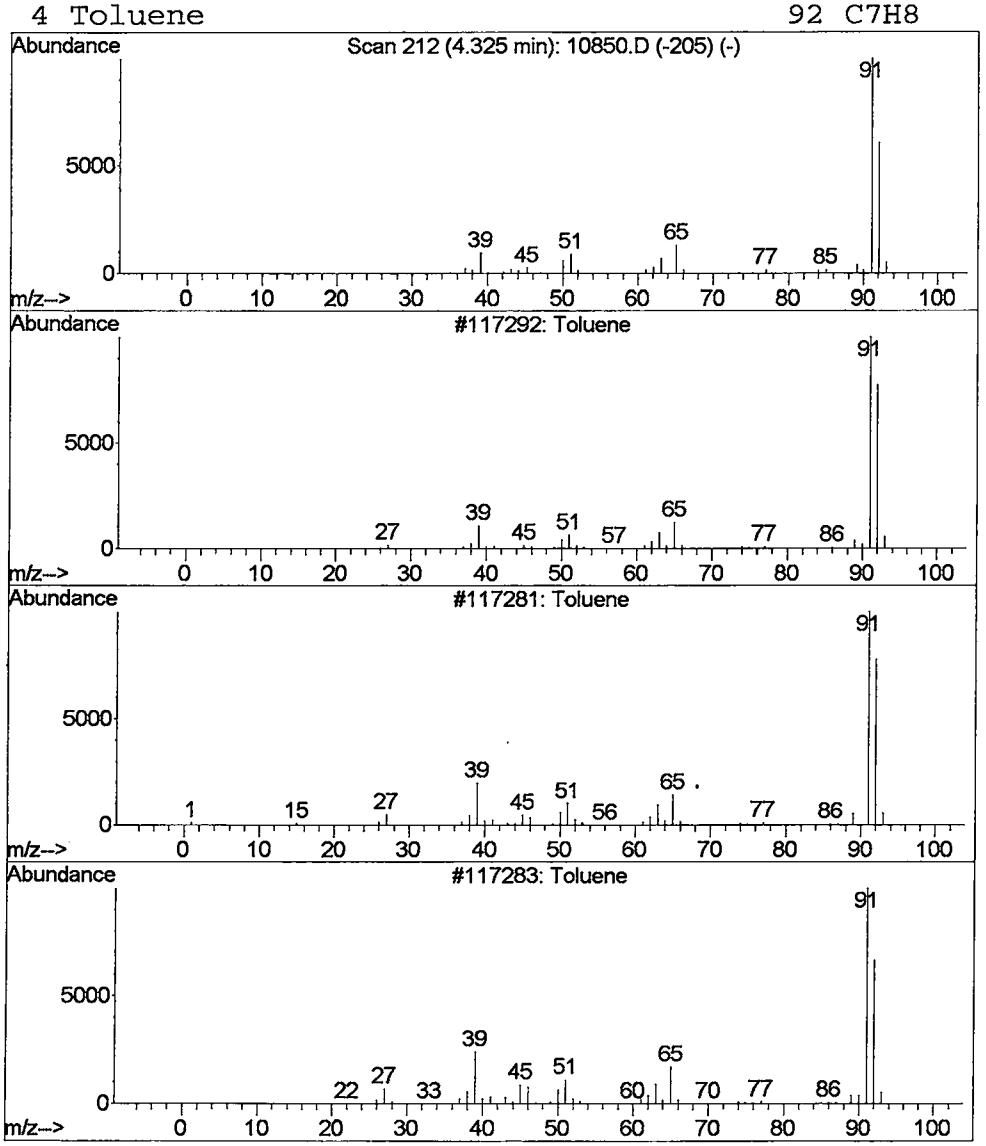
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

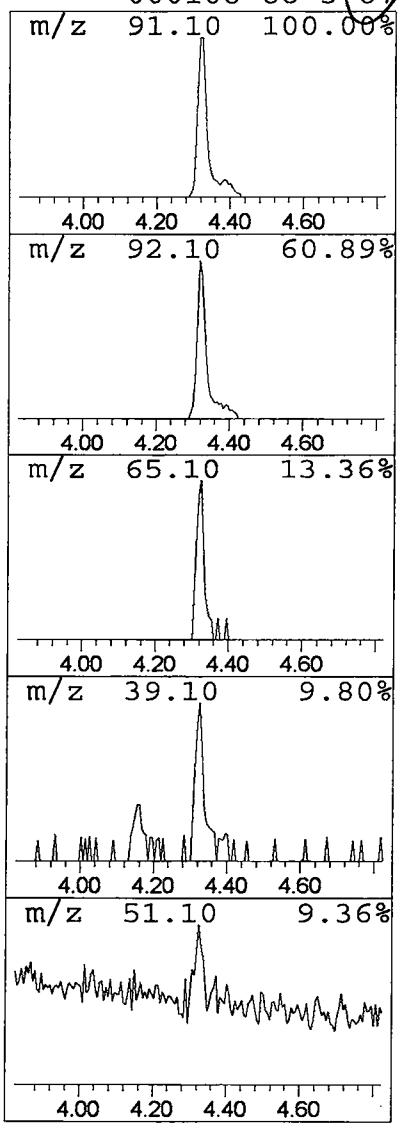
****

Peak Number 3 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.32	0.60 ug/L	439601	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	90
2	Toluene	92	C7H8	000108-88-3	90
3	Toluene	92	C7H8	000108-88-3	90
4	Toluene	92	C7H8	000108-88-3	87





LAB Cert. Need Cert.

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D
Acq On : 13 May 2002 10:55 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 15
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

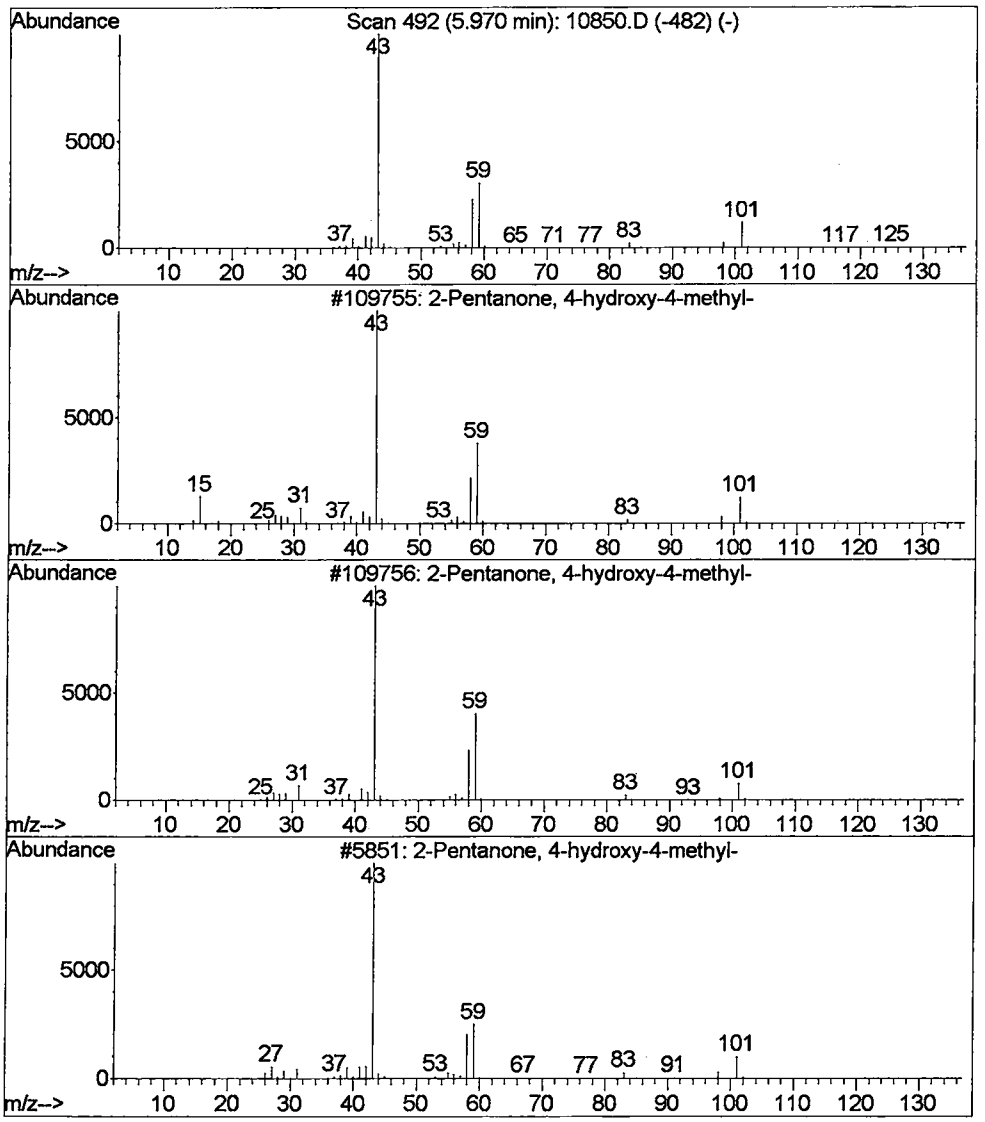
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

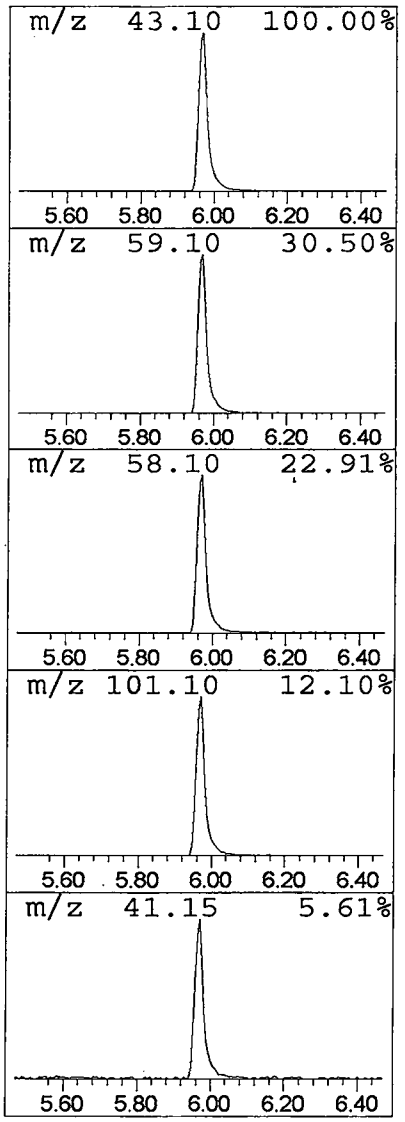
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	18.55 ug/L	13562100	1,4-Dichlorobenzene-d4	9.93

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	64
4	Acetone	58	C3H6O	000067-64-1	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D Vial: 15
Acq On : 13 May 2002 10:55 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

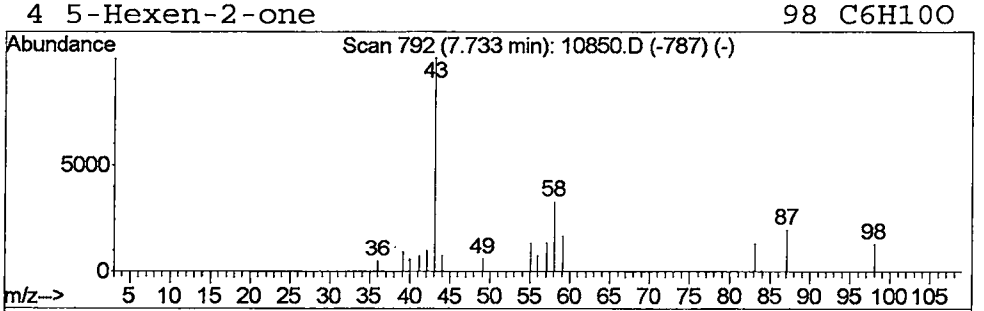
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

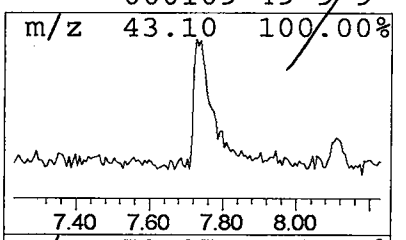
****

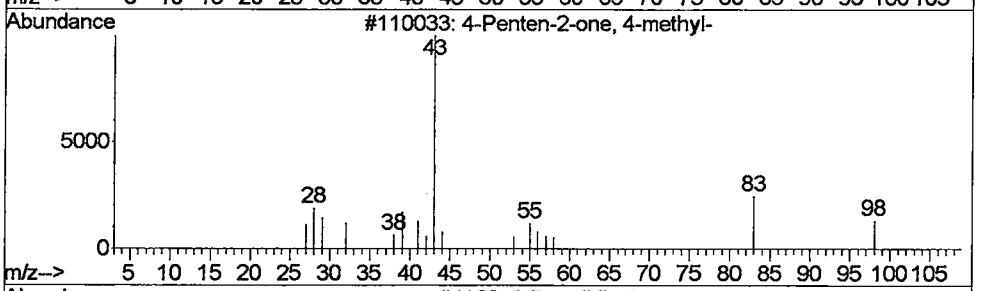
Peak Number 5 4-Penten-2-one, 4-methyl- Concentration Rank 6

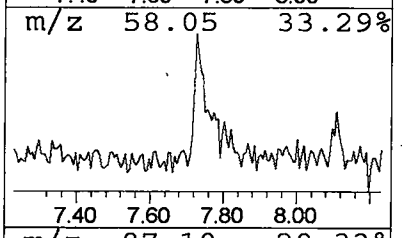
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.34 ug/L	250243	1,4-Dichlorobenzene-d4	9.93

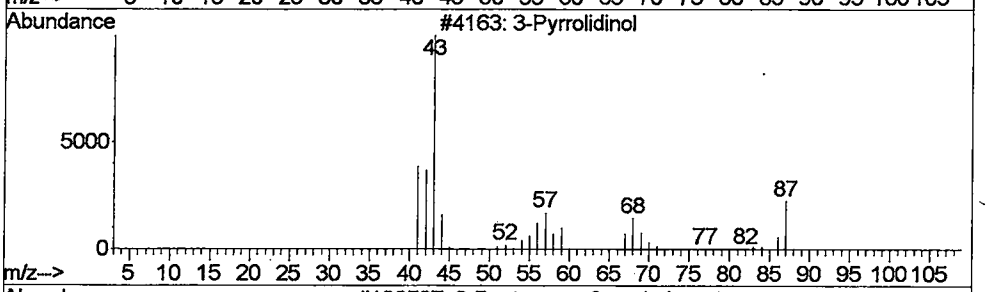
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	22
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9

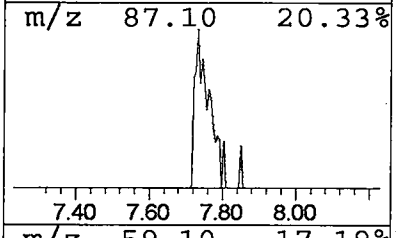


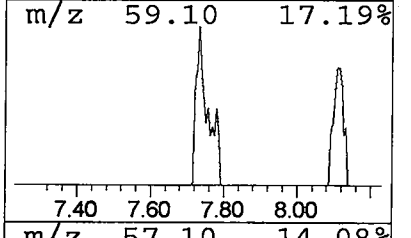


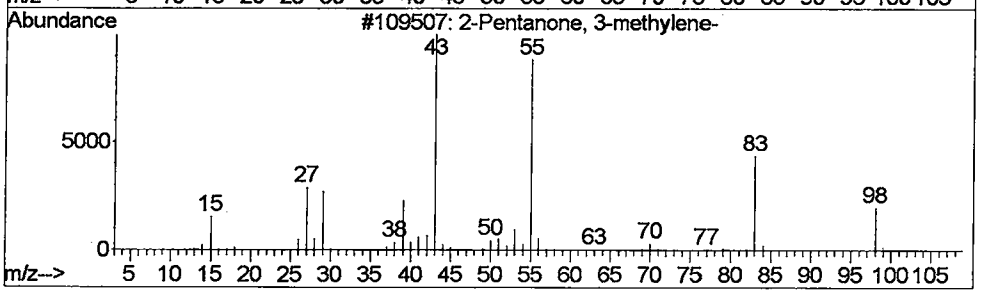


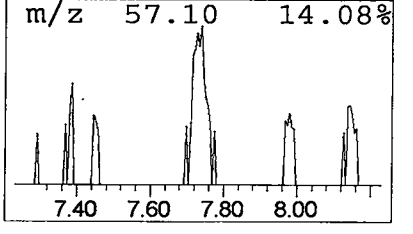












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D
Acq On : 13 May 2002 10:55 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 15
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

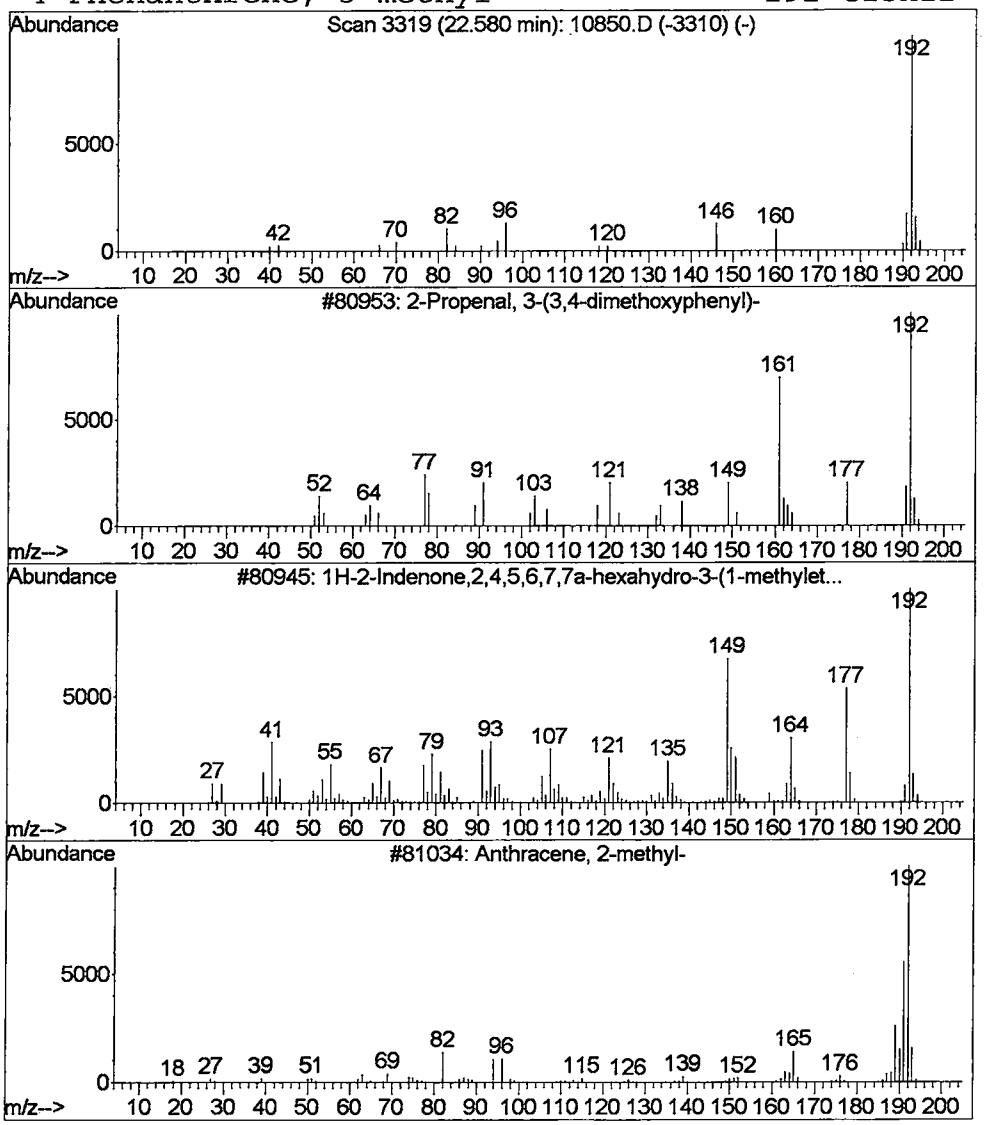
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

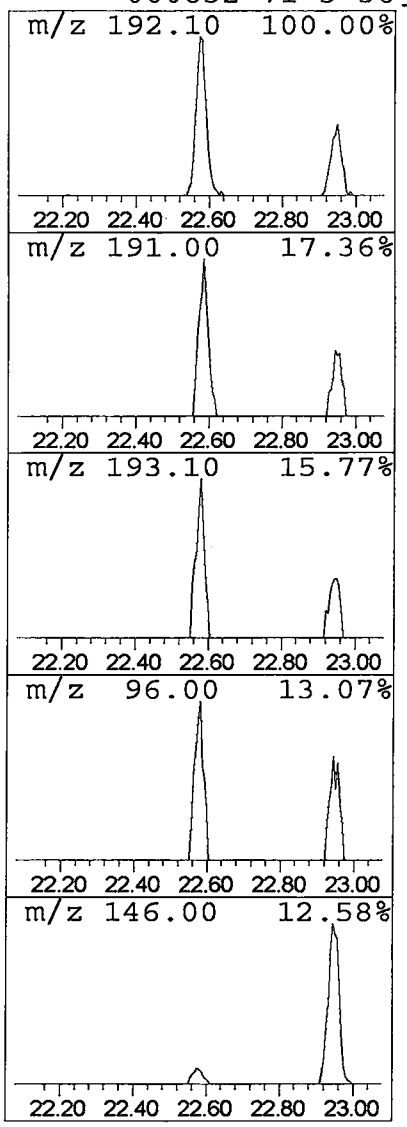
****

Peak Number 6 2-Propenal, 3-(3,4-dimethox... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	282022	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	40
2	1H-2-Indenone,2,4,5,6,7,7a-hexah...	192	C13H20O	1000196-69-5	40
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	36
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10850.D
Acq On : 13 May 2002 10:55 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 15
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

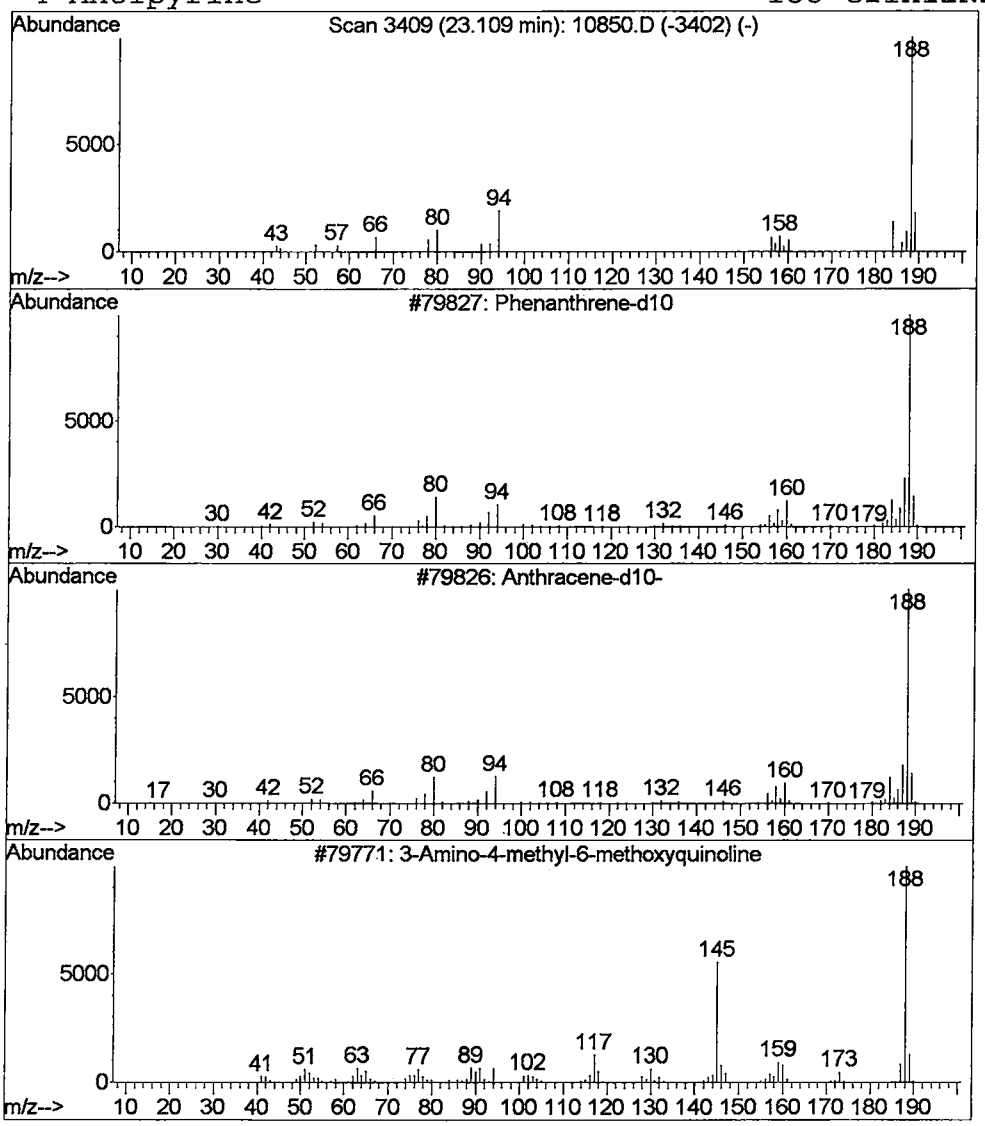
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

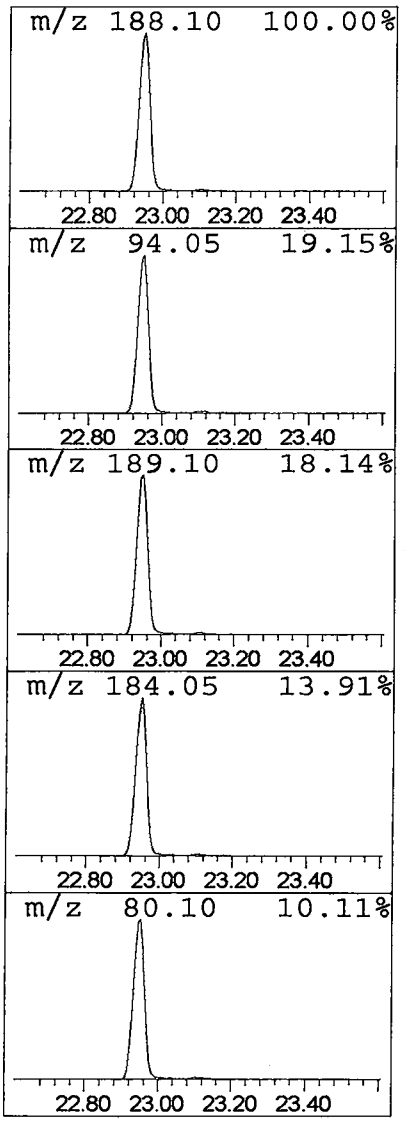
****

Peak Number 7 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.40 ug/L	410008	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	59
2	Anthracene-d10-	188	C14D10	001719-06-8	47
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	40
4	Antipyrine	188	C11H12N2O	000060-80-0	40





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 13 May 2002 10:55 pm
Data File: C:\MSDCHEM\1\DATA\051302\10850.D
Name: 5/9 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...	3.60	0.3	ug/L	251160	1	9.93	29242600	40.0
3-Buten-2-one, 3-...	3.72	0.4	ug/L	266179	1	9.93	29242600	40.0
Toluene	4.32	0.6	ug/L	439601	1	9.93	29242600	40.0
2-Pentanone, 4-hy...	5.97	18.6	ug/L	13562100	1	9.93	29242600	40.0
4-Penten-2-one, 4...	7.73	0.3	ug/L	250243	1	9.93	29242600	40.0
2-Propenal, 3-(3,...	22.58	0.3	ug/L	282022	4	22.95	41111000	40.0
Phenanthrene-d10	23.11	0.4	ug/L	410008	4	22.95	41111000	40.0