User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 11:53:47

Sample: AE10896
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/21/02 11:53 Ended: 5/21/02 11:53 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		92		10.0

Comments for Sample AE10896 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 11:54:34

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.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051602\10896.D Vial: 9
Acq On : 16 May 2002 9:03 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:45:02 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	5033861	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19796550	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10724978	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15423729	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	10495098	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	5952079	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2392296	36.74	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.85%			
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	12.95	93	650	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	40703	N.D.		
30) Nnitrosodiphenylamine	20.54	169	46951	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	18726	N.D.		

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

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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	26.54	202	19636	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.80	228	30111	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	114785	0.44 ug/L	96
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

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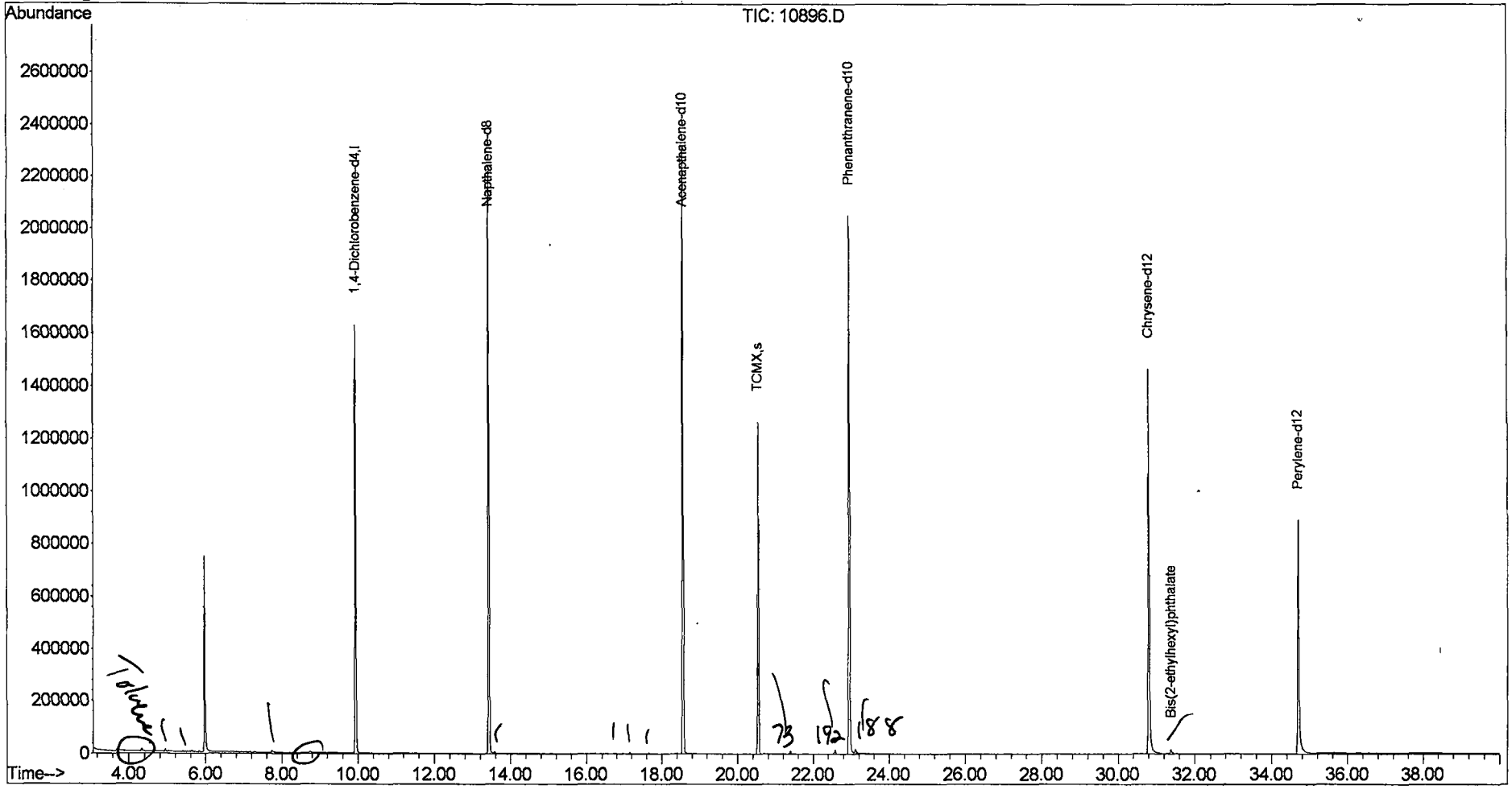


LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051602\10896.D Vial: 9
Acq On : 16 May 2002 9:03 pm Operator: Mclean
Sample : 5/10 eh 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

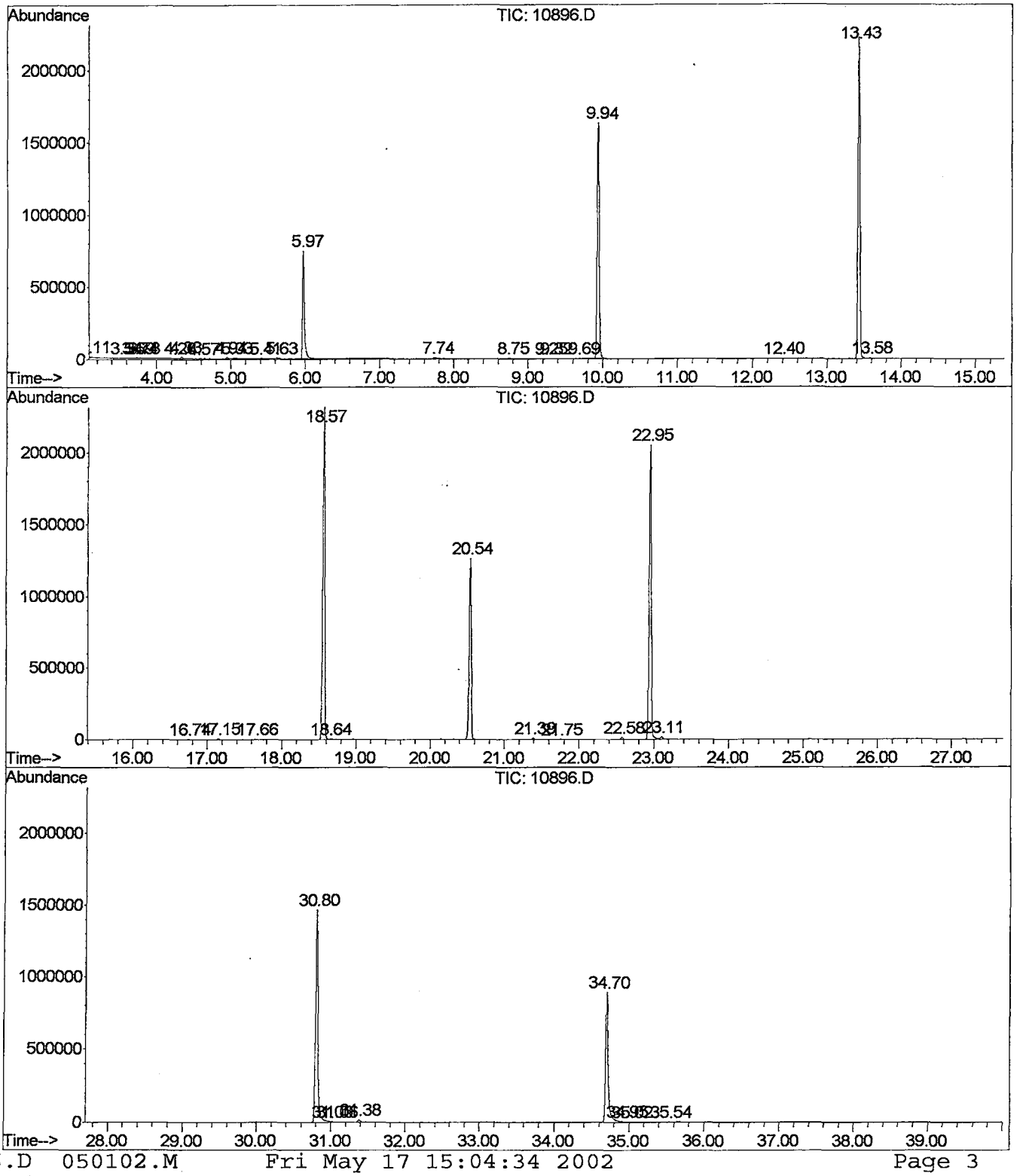
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.114	3	6	31	BV 4	2737	44028	0.10%	0.018%
2	3.538	74	78	81	PV 5	1783	25335	0.06%	0.010%
3	3.690	96	104	107	PV 7	2113	52995	0.12%	0.021%
4	3.743	107	113	117	VV 6	2657	82448	0.19%	0.033%
5	3.778	117	119	123	VV 3	2911	44039	0.10%	0.018%
6	4.254	196	200	207	VV 5	3511	70082	0.16%	0.028%
7	4.331	207	213	219	VV 3	11481	202148	0.46%	0.080%
8	4.577	251	255	256	PV 4	1721	16650	0.04%	0.007%
9	4.942	307	317	326	VV 5	9443	178145	0.41%	0.071%
10	5.030	326	332	349	VV 10	4028	153241	0.35%	0.061%
11	5.412	386	397	411	VV 6	3131	109943	0.25%	0.044%
12	5.629	419	434	447	VV 6	5767	206029	0.47%	0.082%
13	5.970	484	492	518	PV	734000	12725265	28.95%	5.059%
14	7.733	788	792	811	PV 3	7084	215004	0.49%	0.085%
15	8.749	958	965	971	PV 4	5503	121923	0.28%	0.048%
16	9.254	1039	1051	1056	PV 5	1832	47291	0.11%	0.019%
17	9.325	1056	1063	1064	VV 4	2070	42360	0.10%	0.017%
18	9.695	1122	1126	1130	VV 4	1961	32947	0.07%	0.013%
19	9.936	1158	1167	1185	PV	1632122	30238273	68.79%	12.022%
20	12.398	1584	1586	1595	VV 4	2883	43283	0.10%	0.017%
21	13.432	1751	1762	1783	PV	2192974	40530643	92.21%	16.114%
22	13.585	1783	1788	1800	VV 2	6232	119700	0.27%	0.048%
23	16.740	2320	2325	2340	VV 2	3652	71857	0.16%	0.029%
24	17.151	2390	2395	2404	VV 4	6873	119946	0.27%	0.048%
25	17.662	2477	2482	2490	VV 4	3255	57597	0.13%	0.023%
26	18.567	2626	2636	2647	PV	2311703	43956015	100.00%	17.476%
27	18.644	2647	2649	2662	VV 6	3231	71504	0.16%	0.028%
28	20.541	2960	2972	2984	PV	1245680	23663735	53.84%	9.408%
29	21.393	3104	3117	3125	VV 2	10607	172444	0.39%	0.069%
30	21.752	3173	3178	3183	PV 3	2263	29533	0.07%	0.012%
31	22.580	3307	3319	3328	PV 3	15607	282348	0.64%	0.112%
32	22.950	3370	3382	3403	PV 2	2026756	42169818	95.94%	16.766%
33	23.109	3403	3409	3423	VV 2	16635	433776	0.99%	0.172%
34	30.806	4707	4719	4751	PV 2	1446205	32633567	74.24%	12.975%
35	31.000	4751	4752	4760	VV 4	4619	121617	0.28%	0.048%
36	31.065	4760	4763	4771	VV 4	3306	98775	0.22%	0.039%
37	31.376	4805	4816	4836	PV 4	17391	440973	1.00%	0.175%

38	34.702	5370	5382	5423	PV	887401	21759314	49.50%	8.651%
39	34.954	5423	5425	5433	VV 6	3871	91019	0.21%	0.036%
40	35.013	5433	5435	5438	VV 2	2246	26925	0.06%	0.011%
41	35.536	5521	5524	5530	PV 5	1556	16889	0.04%	0.007%

Sum of corrected areas: 251519423

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10896.D
Operator : Mclean
Acquired : 16 May 2002 9:03 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 9
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 16 May 2002 9:03 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

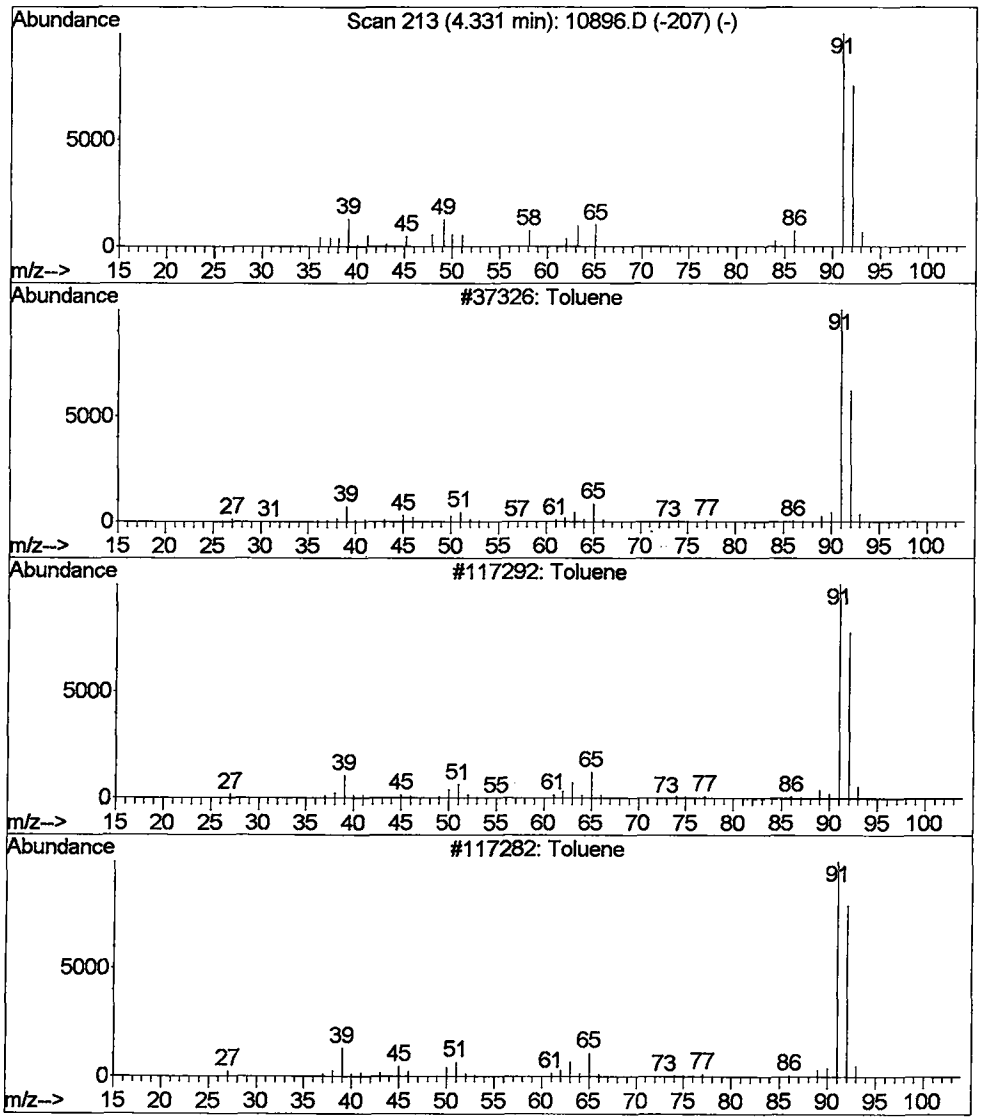
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

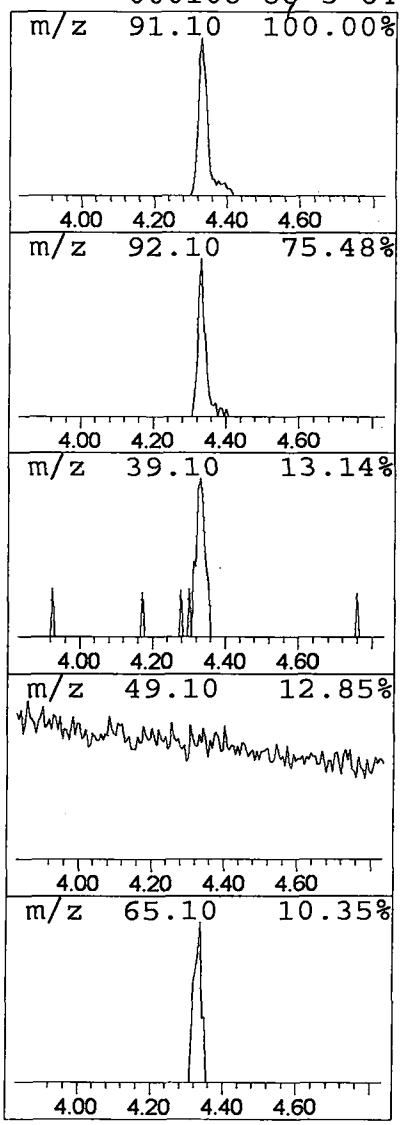
****

Peak Number 1 Toluene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	0.27 ug/L	202148	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	72
2	Toluene	92	C7H8	000108-88-3	72
3	Toluene	92	C7H8	000108-88-3	72
4	Toluene	92	C7H8	000108-88-3	64





Library Search Compound Report

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Acq On : 16 May 2002 9:03 pm
Sample : 5/10 eh
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)
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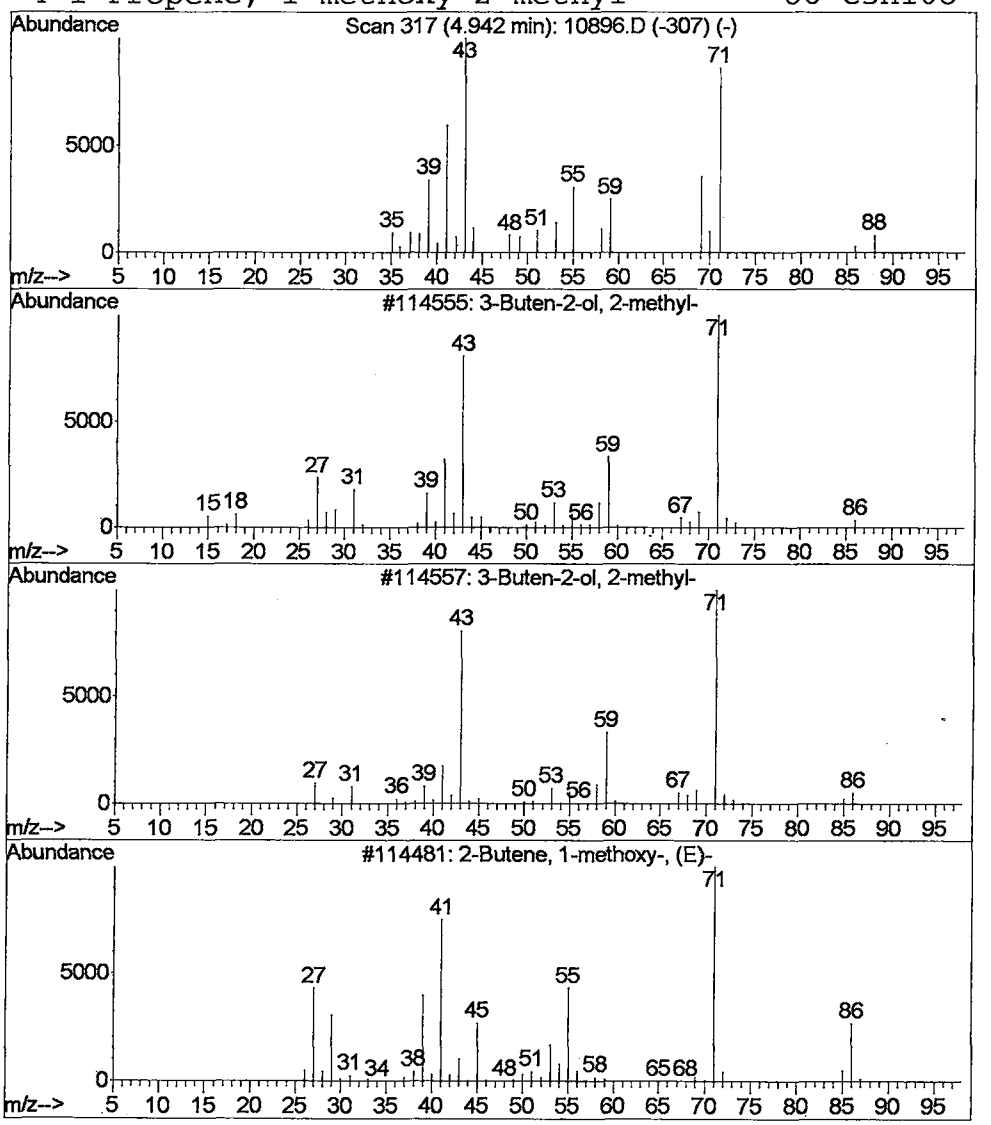
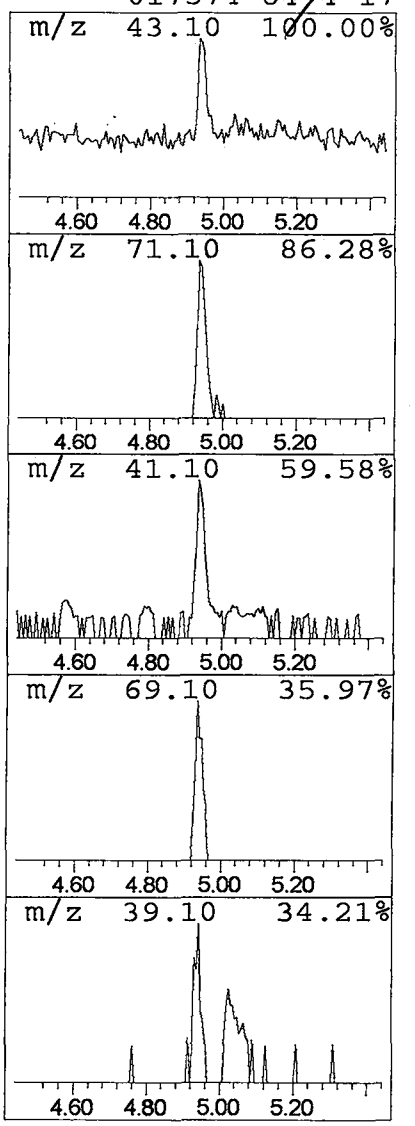
****

Peak Number 2 3-Buten-2-ol, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	0.24 ug/L	178145	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	47
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	37
3	2-Butene, 1-methoxy-, (E)-	86	C5H10O	010034-14-7	17
4	1-Propene, 1-methoxy-2-methyl-	86	C5H10O	017574-84-4	17





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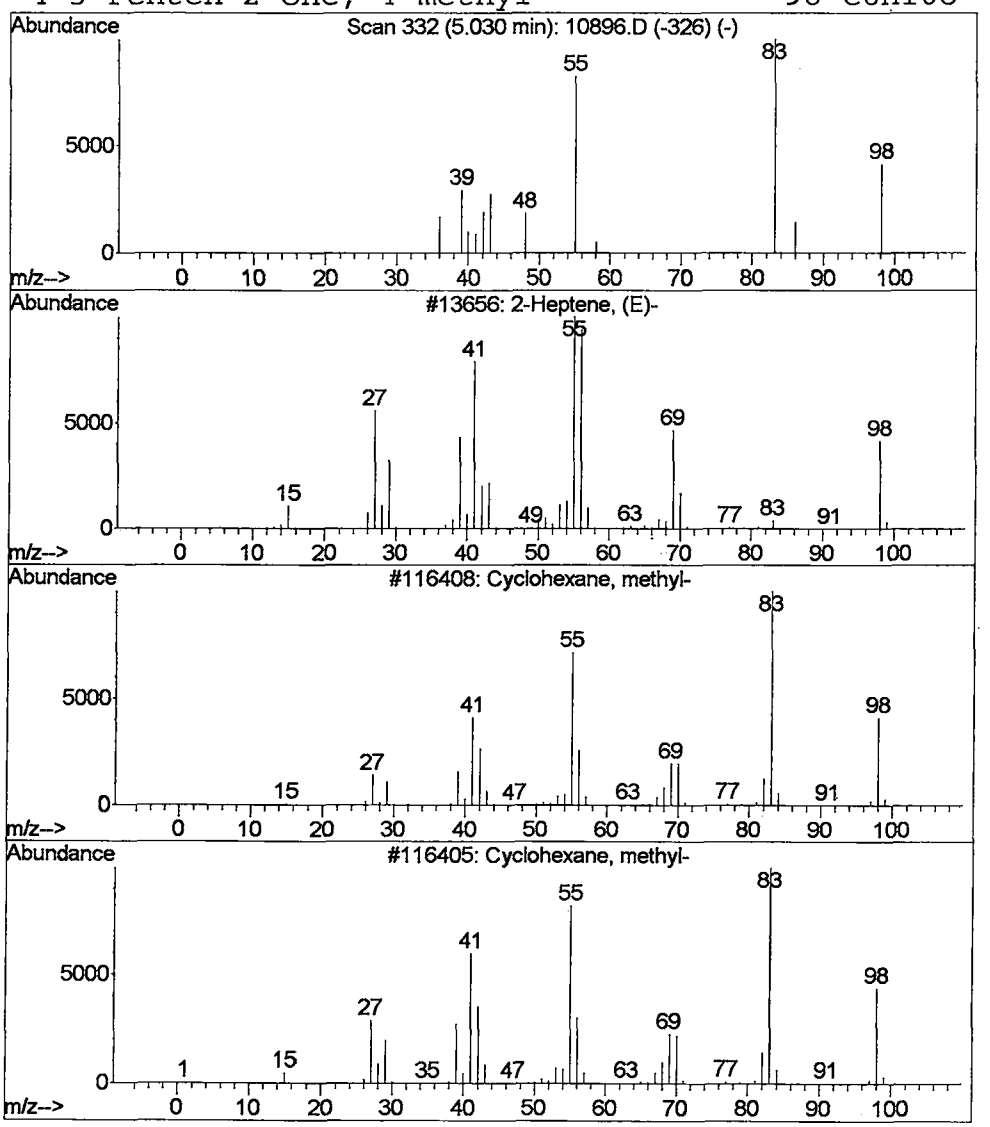
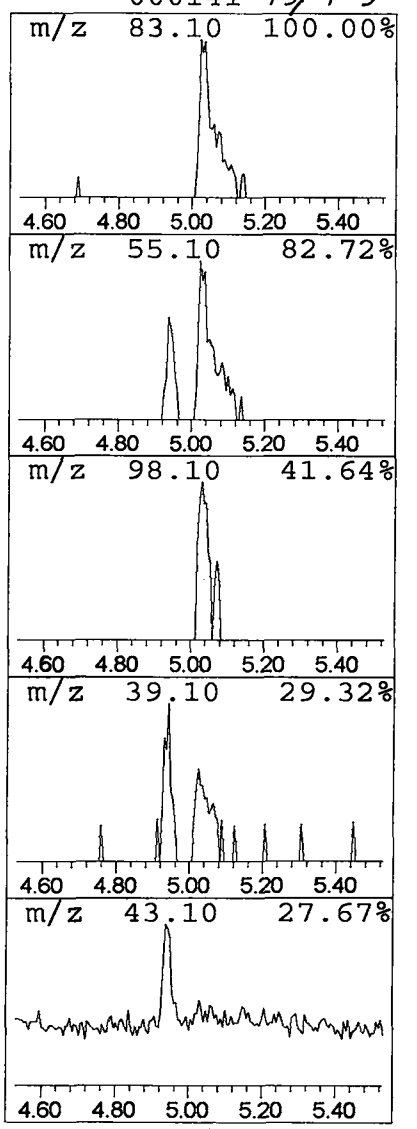
****

Peak Number 3 2-Heptene, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	0.20 ug/L	153241	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptene, (E)-	98	C7H14	014686-13-6	12
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	9
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	9
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	9





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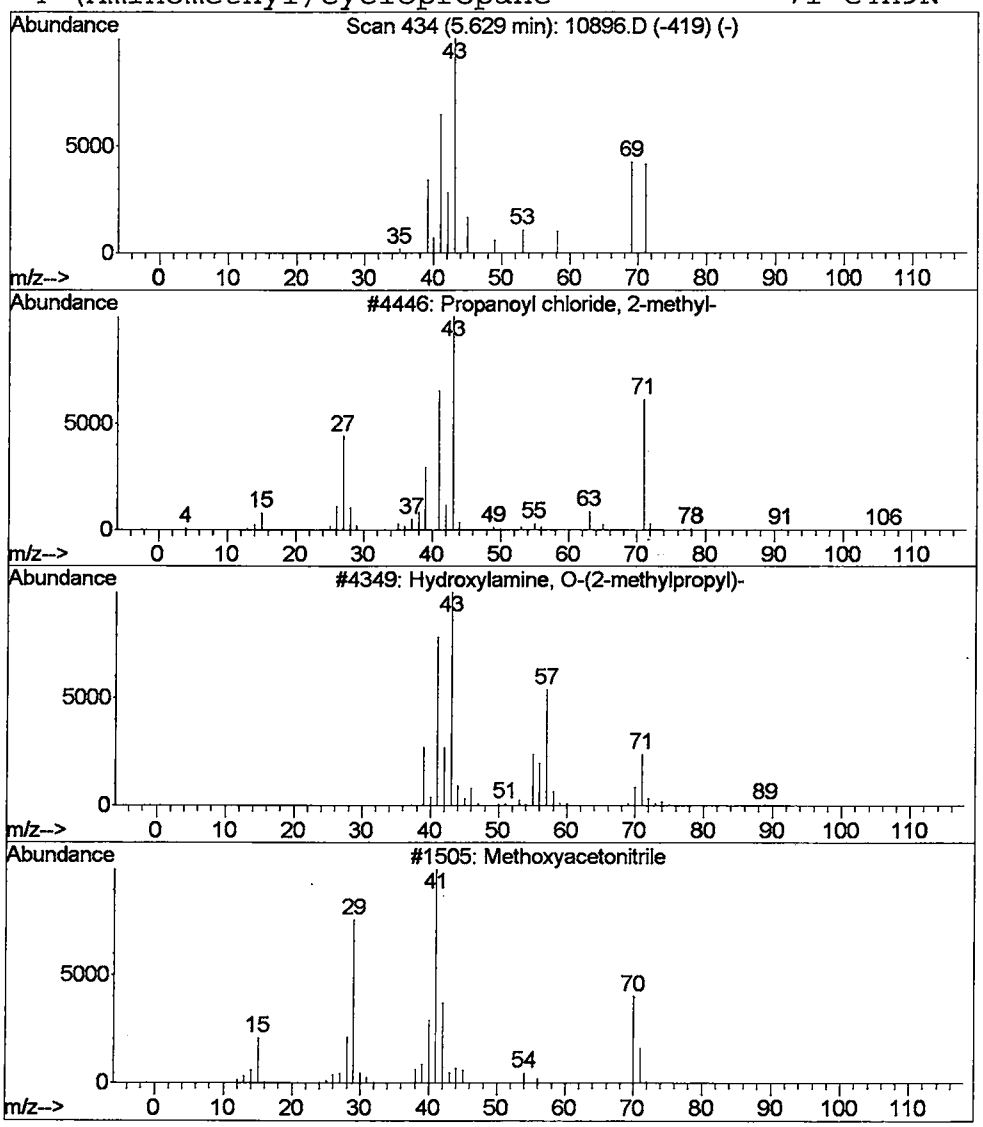
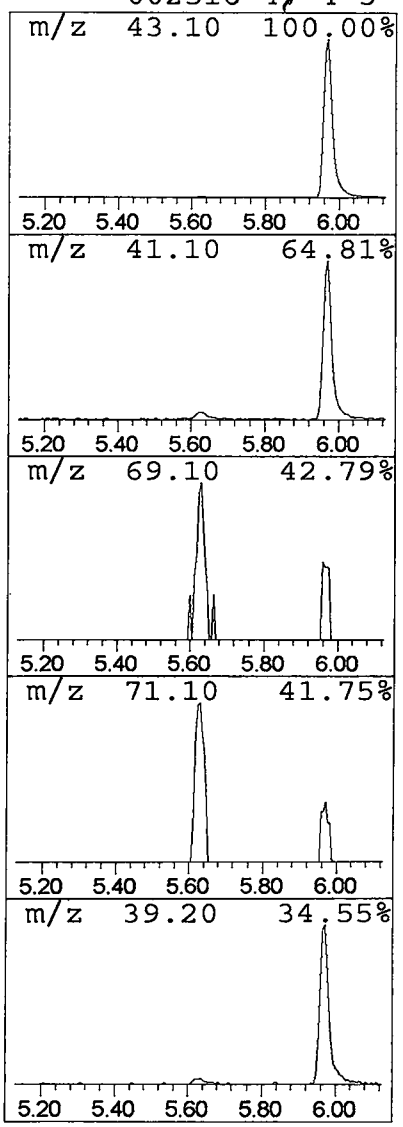
****

Peak Number 4 Propanoyl chloride, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	0.27 ug/L	206029	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	4
2	Hydroxylamine, O-(2-methylpropyl)-	89	C4H11NO	005618-62-2	4
3	Methoxyacetonitrile	71	C3H5NO	001738-36-9	3
4	(Aminomethyl)cyclopropane	71	C4H9N	002516-47-4	3





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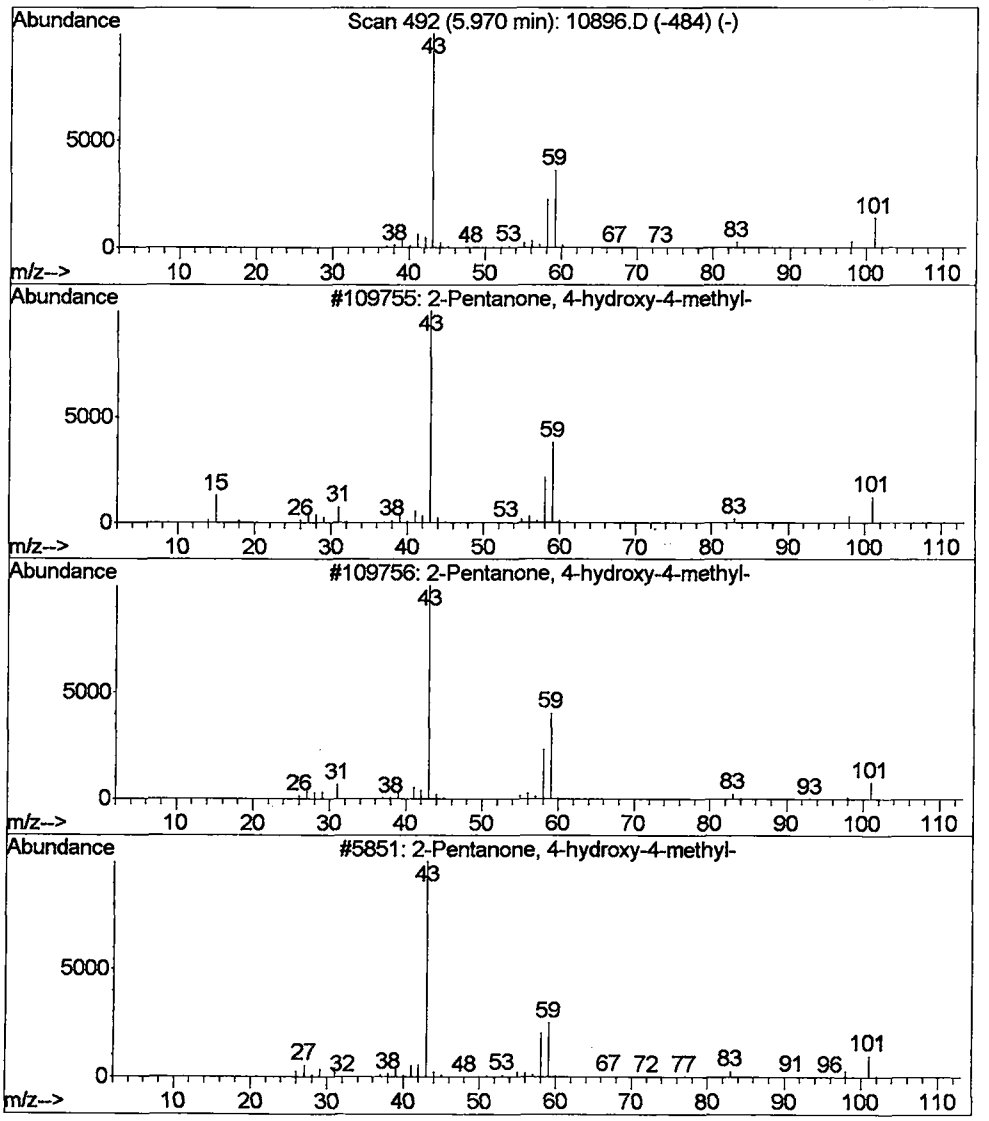
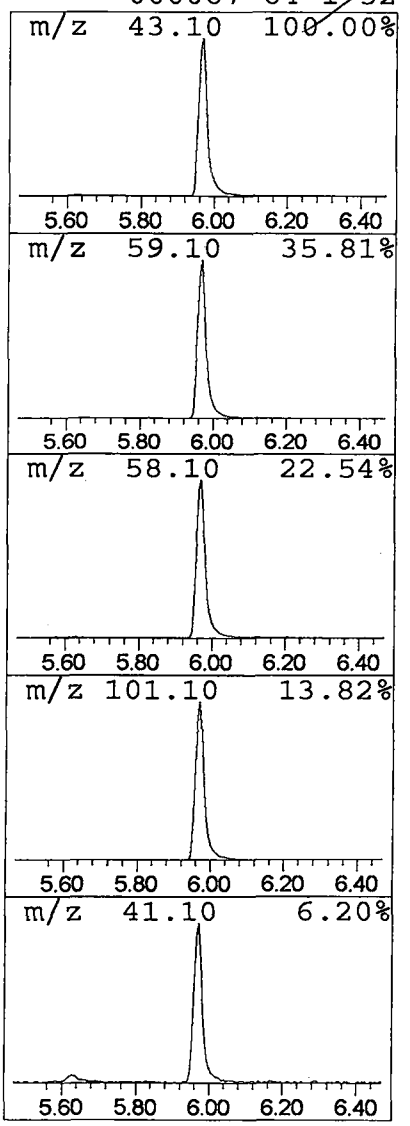
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	16.83 ug/L	12725300	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	64
4	Acetone	58	C3H6O	000067-64-1	32





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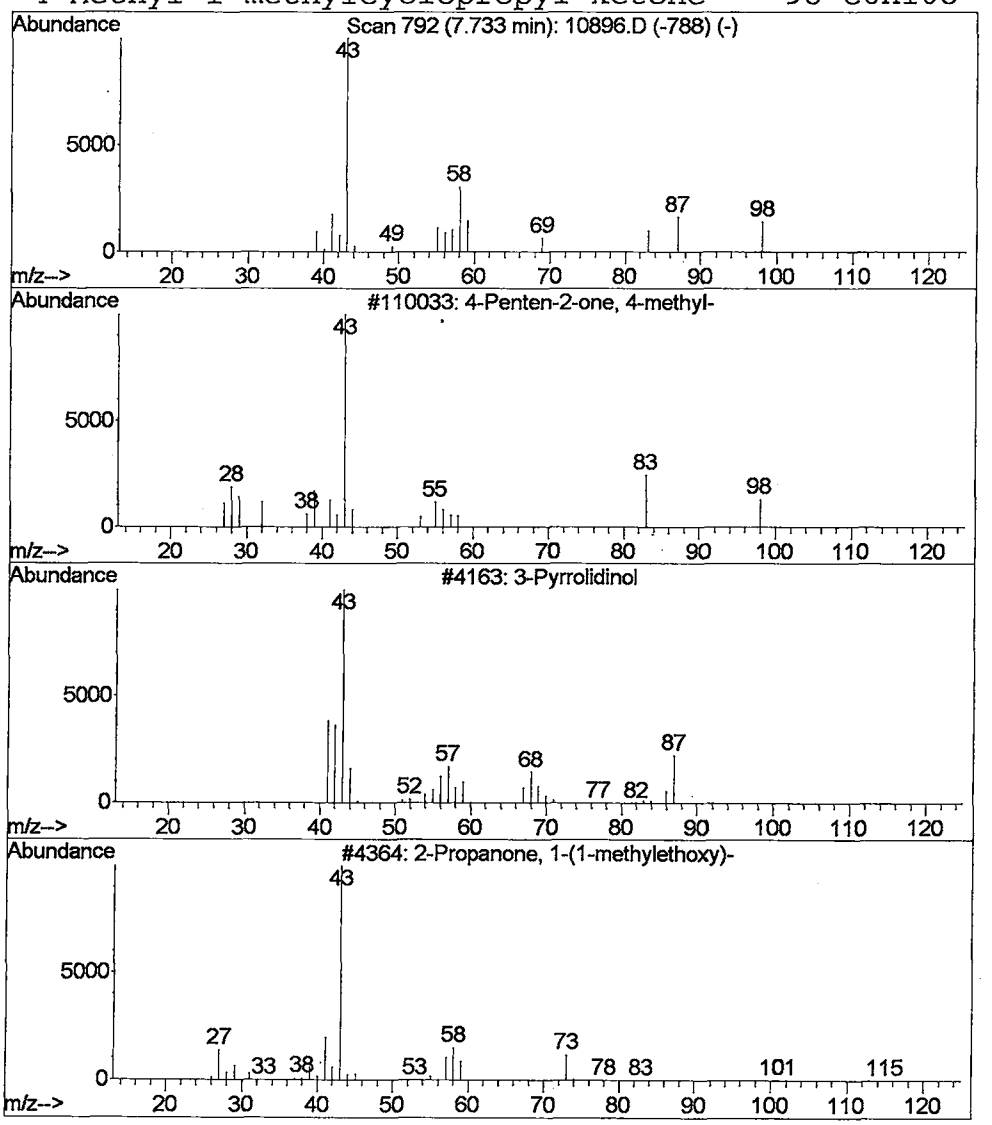
Library : C:\DATABASE\NIST98.L

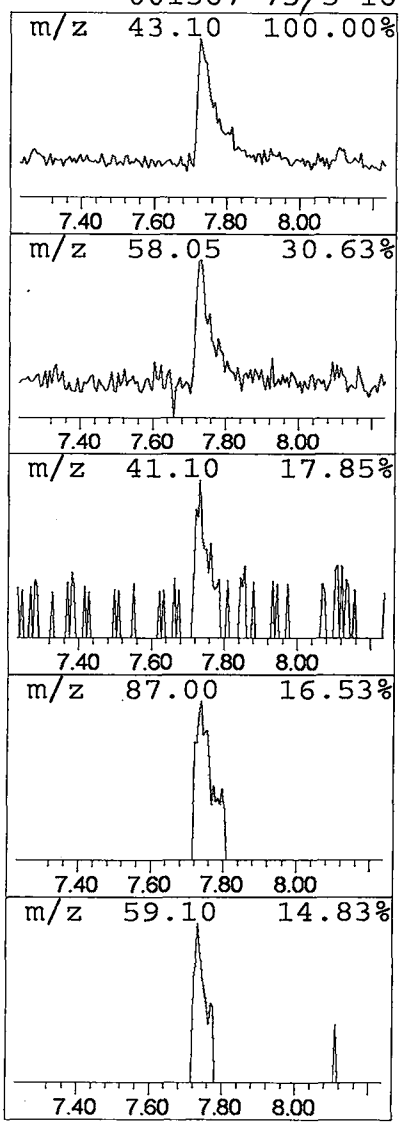
****

Peak Number 6 4-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.28 ug/L	215004	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	38
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	25
3	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	17
4	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	16





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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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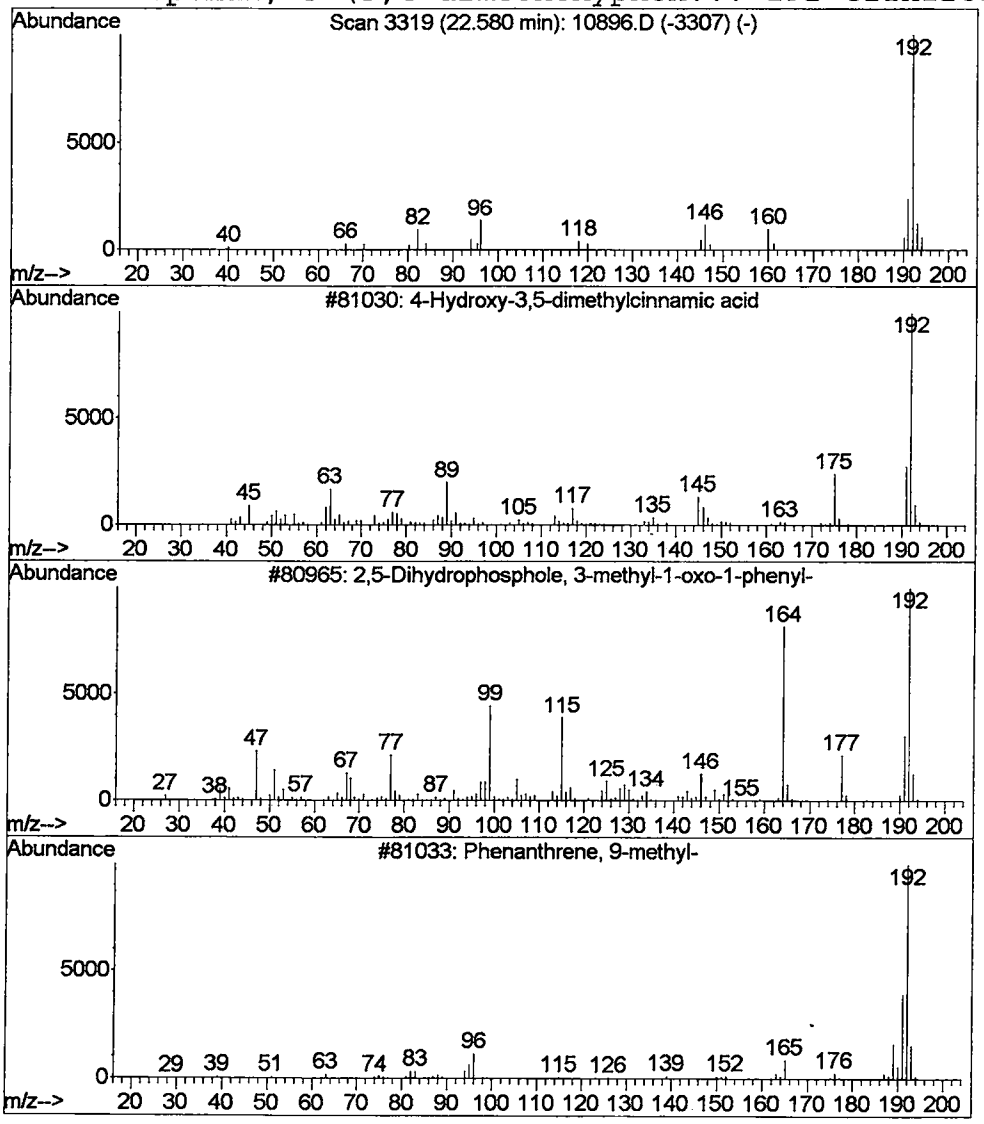
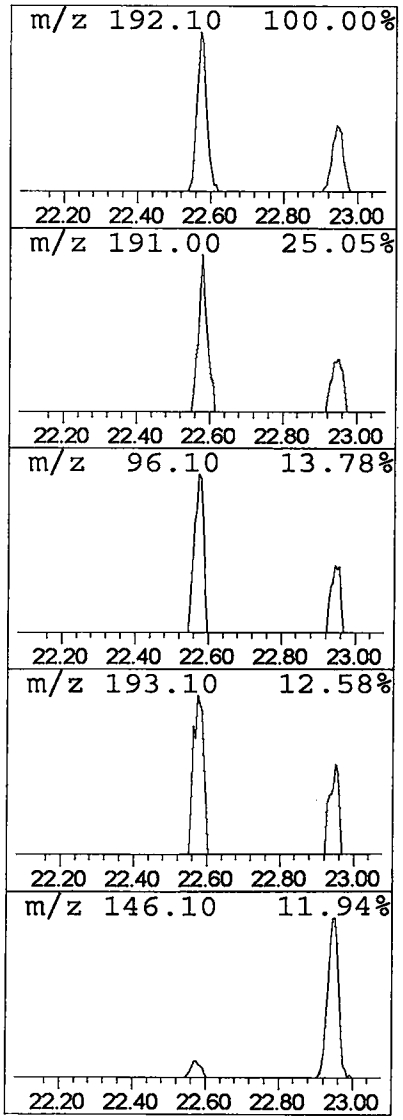
Peak Number 7 4-Hydroxy-3,5-dimethylcinna... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	282348	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	59
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	59
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
4	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10896.D Vial: 9
Acq On : 16 May 2002 9:03 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

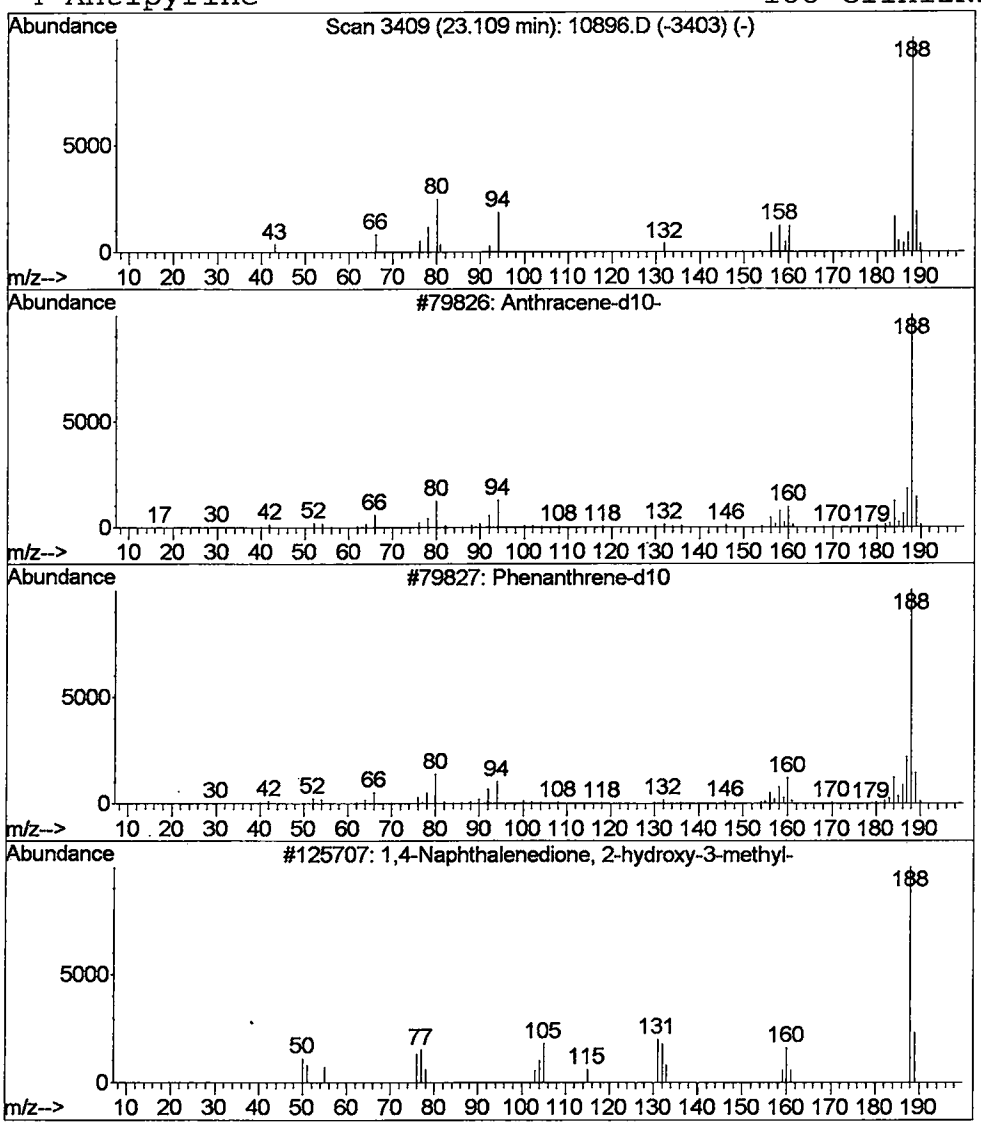
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

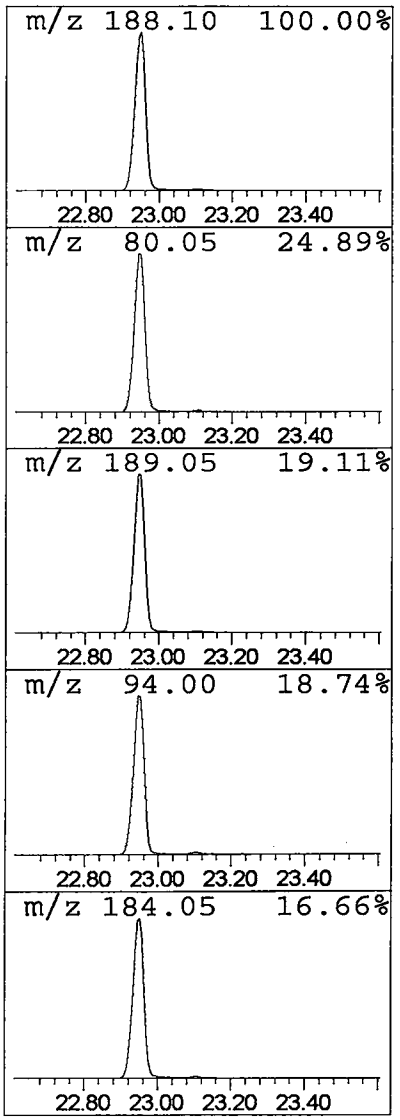
****

Peak Number 8 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.41 ug/L	433776	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	86
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	1,4-Naphthalenedione, 2-hydroxy-...	188	C11H8O3	000483-55-6	49
4	Antipyrine	188	C11H12N2O	000060-80-0	43





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 16 May 2002 9:03 pm
Data File: C:\MSDCHEM\1\DATA\051602\10896.D
Name: 5/10 eh
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
Toluene	4.33	0.3	ug/L	202148	1	9.94	30238300	40.0
3-Buten-2-ol, 2-m...	4.94	0.2	ug/L	178145	1	9.94	30238300	40.0
2-Heptene, (E)-	5.03	0.2	ug/L	153241	1	9.94	30238300	40.0
Propanoyl chlorid...	5.63	0.3	ug/L	206029	1	9.94	30238300	40.0
2-Pentanone, 4-hy...	5.97	16.8	ug/L	12725300	1	9.94	30238300	40.0
4-Penten-2-one, 4...	7.74	0.3	ug/L	215004	1	9.94	30238300	40.0
4-Hydroxy-3,5-dim...	22.58	0.3	ug/L	282348	4	22.95	42169800	40.0
Anthracene-d10-	23.11	0.4	ug/L	433776	4	22.95	42169800	40.0