User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:14:25

Sample: AE00280
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:13 Ended: 1/10/02 16:13 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		118		5.0

Comments for Sample AE00280 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:14:29

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:30 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1777464	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	7591072	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3878335	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	6409859	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	5835805	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	4361466	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	595667	5.88	ug/L	0.00
Spiked Amount 5.000			Recovery = 117.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	21353	0.28	ug/L #	13
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-Chloropropa	0.00	45	0	N.D.		
8) N-nitroso-di-n-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) metha	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	18.34	163	613165	2.39	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	489856	9.81	ug/L #	16
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	0.00	77	0	N.D.		
30) N-nitrosodiphenylamine	0.00	169	0	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.		

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

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Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:30 2002 Quant Results File: SCAN508.RES

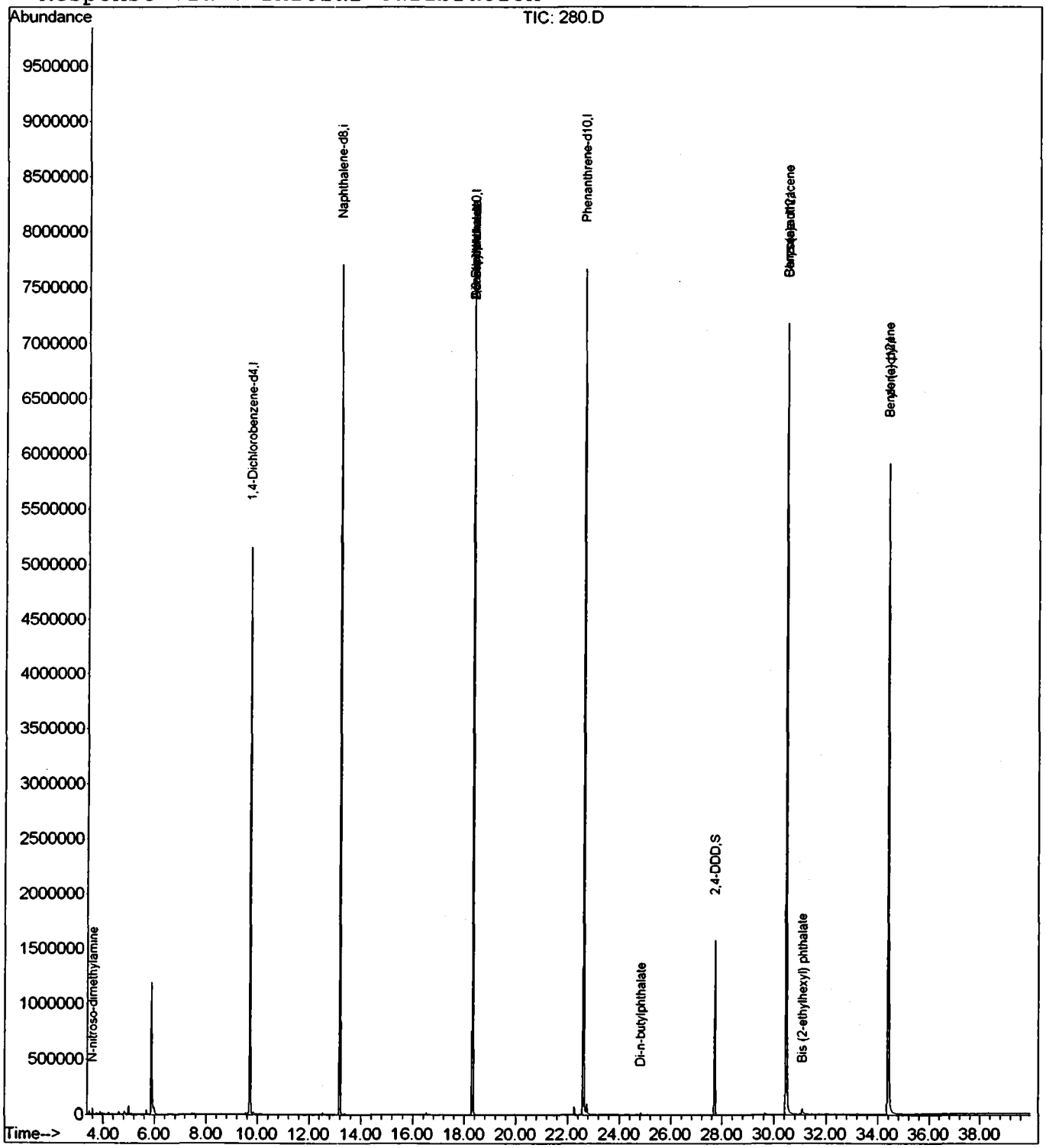
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35)	Di-n-butylphthalate	24.85	149	20372	0.05	ug/L		97
36)	Fluoranthene	0.00	202	0	N.D.			
39)	Pyrene	0.00	202	0	N.D.			
40)	Butylbenzylphthalate	0.00	149	0	N.D.			
41)	Benzo(a)anthracene	30.50	228	13201	0.04	ug/L	#	54
42)	Bis (2-ethylhexyl) phthala	31.12	149	56289	0.74	ug/L		100
43)	Chrysene	30.50	228	13203	0.04	ug/L	#	52
45)	Di-n-octylphthalate	0.00	149	0	N.D.			
46)	Benzo (b) fluoranthene	0.00	252	0	N.D.			
47)	Benzo (k) fluoranthene	0.00	252	0	N.D.			
48)	Benzo (a) pyrene	34.42	252	14196	0.05	ug/L	#	1
49)	Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.			
50)	Dibenz (a,h) anthracene	0.00	278	0	N.D.			
51)	Benzo (g,h,i) perylene	0.00	276	0	N.D.			

(#) = qualifier out of range (m) = manual integration
280.D SCAN508.M Thu Jan 10 08:38:31 2002 Page 2

Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 8:38 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

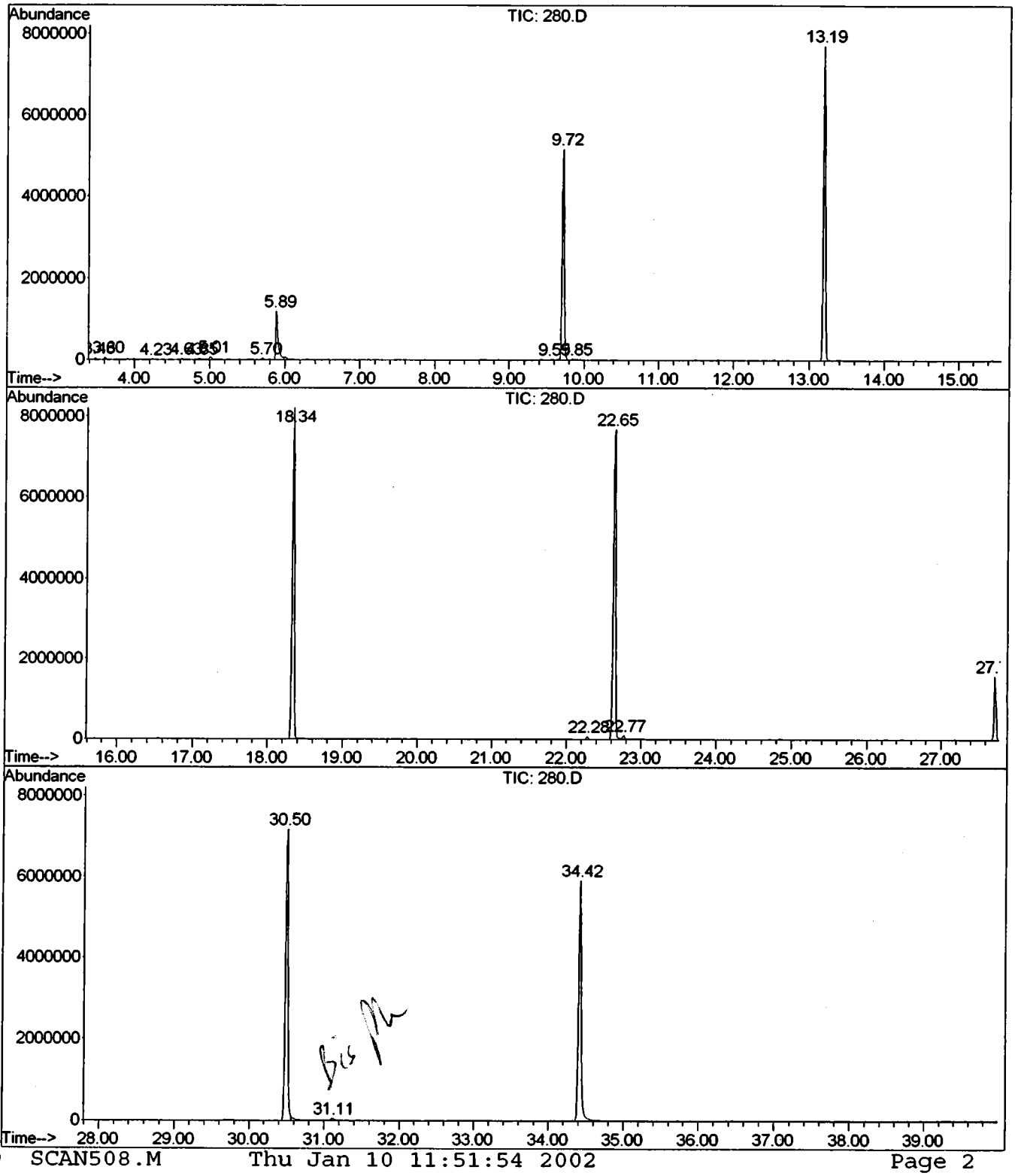
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.476	7	9	17	rBV	33337	54381	0.32%	0.057%
2	3.602	17	20	25	rBV	54570	82600	0.48%	0.086%
3	4.230	73	75	83	rVB4	17586	53649	0.31%	0.056%
4	4.630	103	110	117	rBV3	27678	80903	0.47%	0.084%
5	4.846	123	129	139	rBV2	27240	100784	0.59%	0.105%
6	5.006	139	143	149	rVV	76126	146125	0.86%	0.152%
7	5.703	199	204	209	rBV	40428	79685	0.47%	0.083%
8	5.885	217	220	229	rBV	1190105	2441386	14.31%	2.546%
9	9.550	539	541	547	rVV4	18296	49354	0.29%	0.051%
10	9.721	551	556	561	rVV	5159957	10142306	59.45%	10.578%
11	9.847	561	567	575	rVV2	27853	103260	0.61%	0.108%
12	13.192	855	860	865	rBV	7706892	14534540	85.20%	15.158%
13	18.341	1305	1311	1315	rBV	8207970	15753320	92.34%	16.429%
14	22.280	1651	1656	1661	rBV2	72285	136771	0.80%	0.143%
15	22.645	1681	1688	1693	rBV	7668732	17014647	99.74%	17.745%
16	22.771	1695	1699	1705	rVB	93750	203978	1.20%	0.213%
17	27.726	2129	2133	2139	rVB	1577600	2866919	16.81%	2.990%
18	30.500	2369	2376	2381	rBV	7174587	17059517	100.00%	17.792%
19	31.105	2425	2429	2447	rVB	50536	216178	1.27%	0.225%
20	34.416	2713	2719	2739	rBV	5906621	14765358	86.55%	15.399%

Sum of corrected areas: 95885661

File : C:\MSDCHEM\1\5973N\02JAN09\280.D
Operator :
Acquired : 9 Jan 2002 9:31 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 9, 2002
Vial Number: 5
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

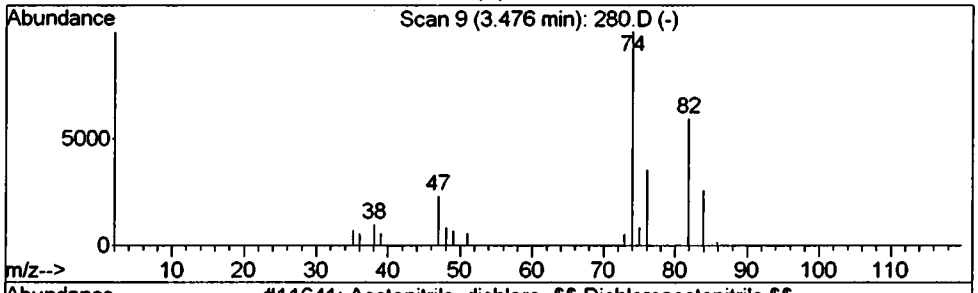
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

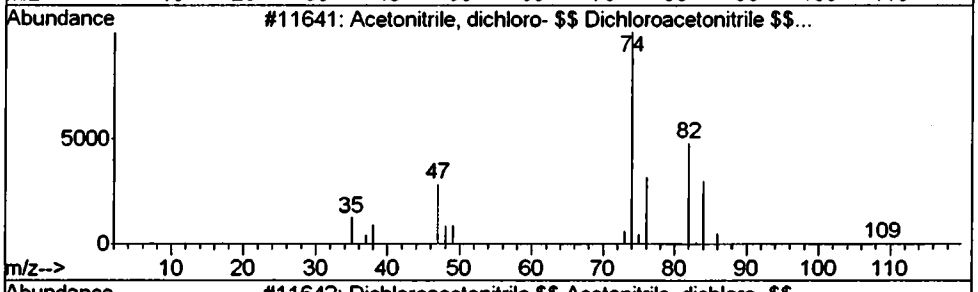
****

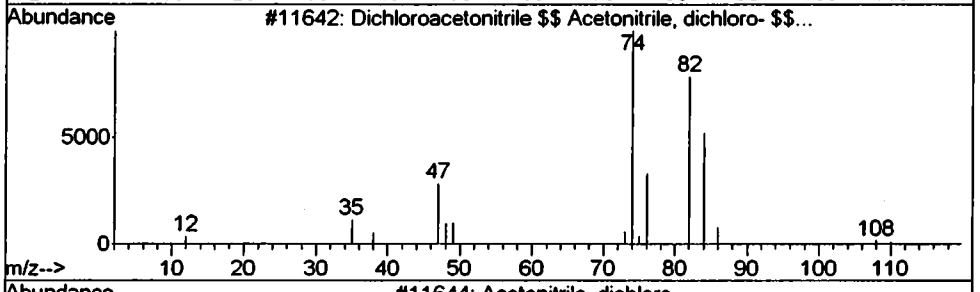
Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 9

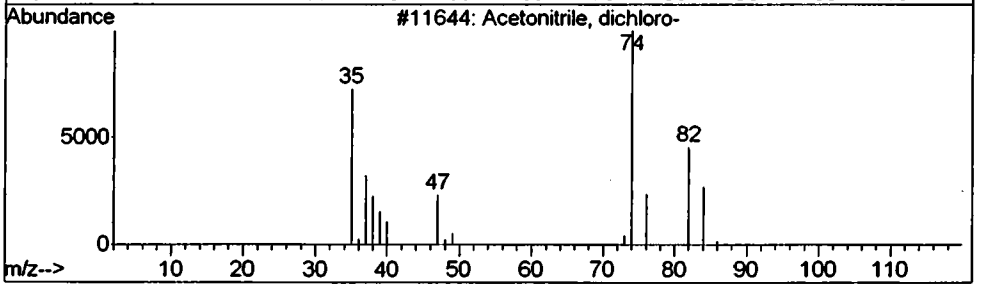
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.11 ug/L	54381	1,4-Dichlorobenzene-d4	9.72

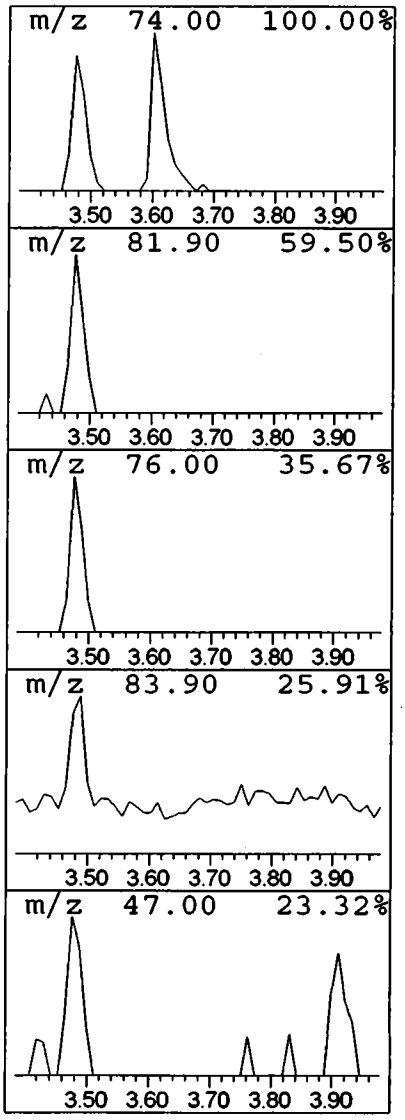
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	83
2	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	74
3	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	25











Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

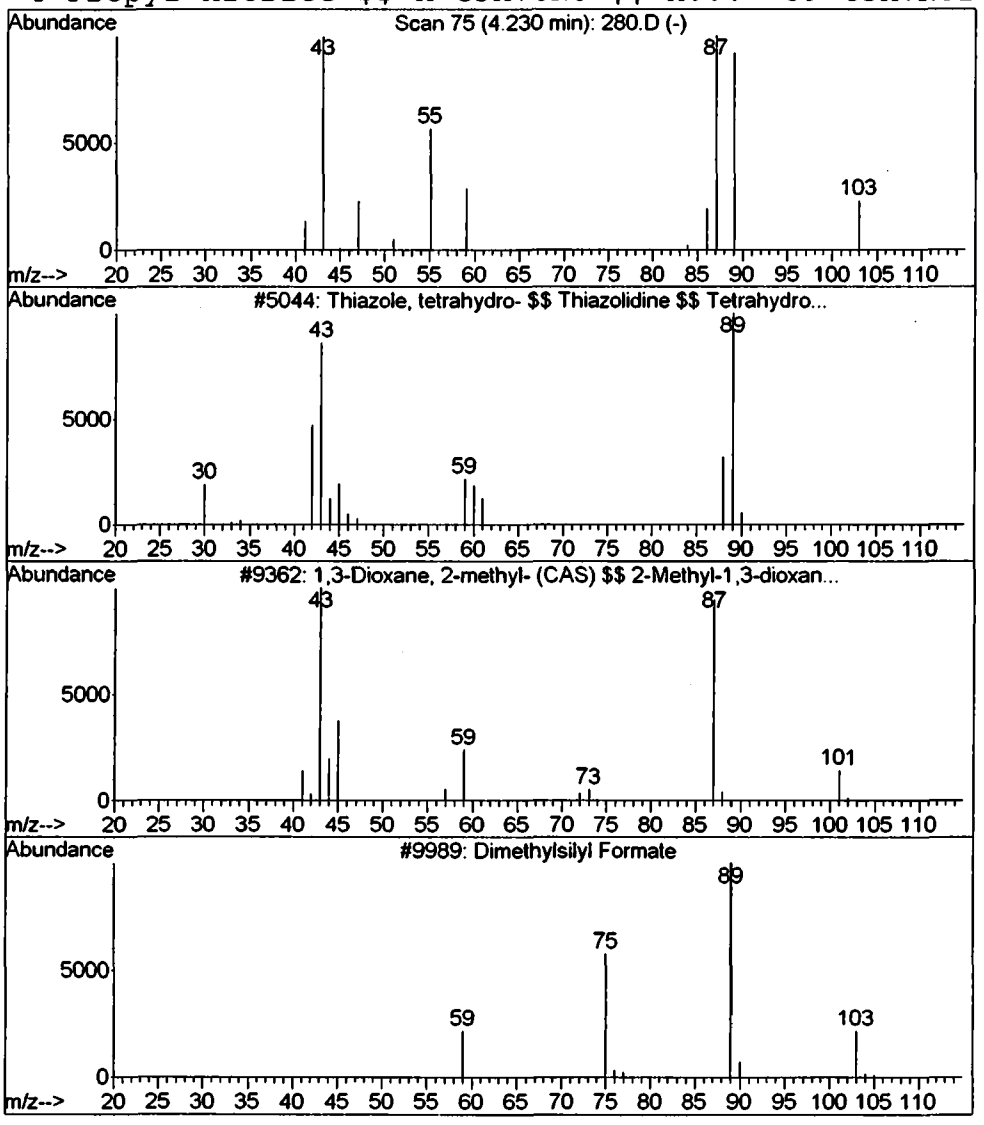
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

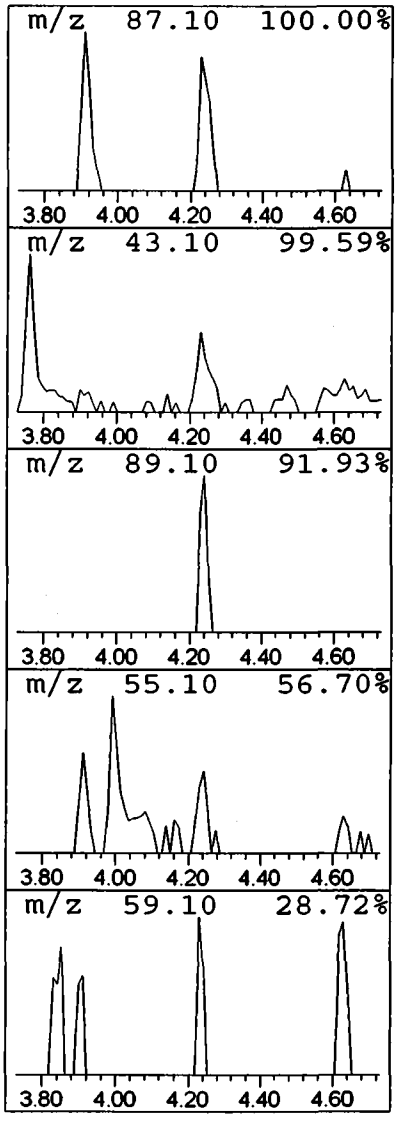
****

Peak Number 2 Thiazole, tetrahydro- $$ Th... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	0.11 ug/L	53649	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	9
2	1,3-Dioxane, 2-methyl- (CAS) $$ ...	102	C5H10O2	000626-68-6	9
3	Dimethylsilyl Formate	104	C3H8O2Si	000000-00-0	9
4	Propyl nitrite $$ n-C3H7ONO $$ n...	89	C3H7NO2	000543-67-9	7





Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

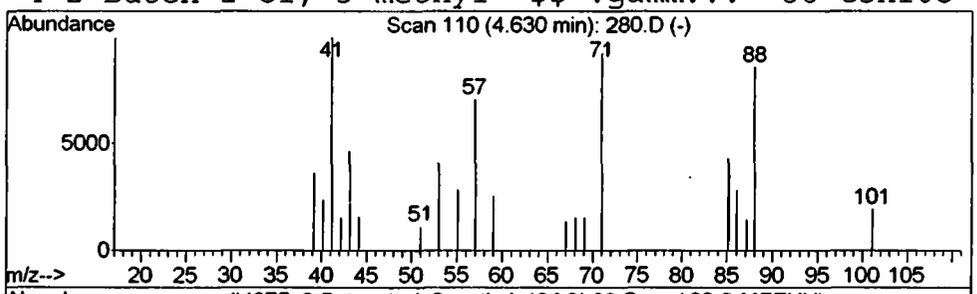
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

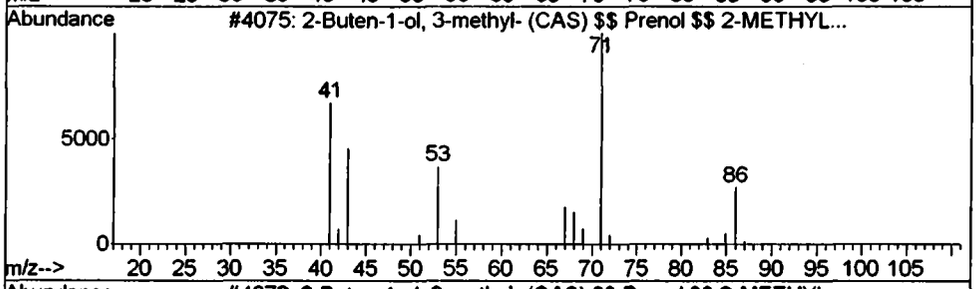
****

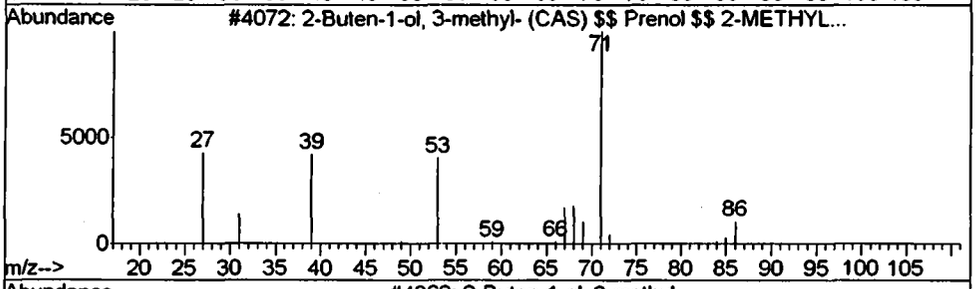
Peak Number 3 2-Buten-1-ol, 3-methyl- (CA... Concentration Rank 7

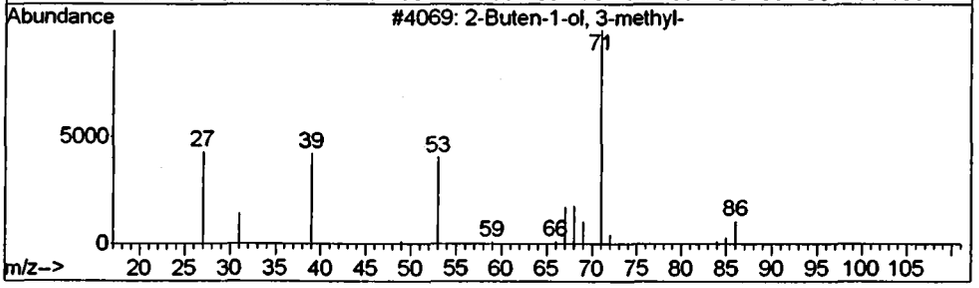
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.16 ug/L	80903	1,4-Dichlorobenzene-d4	9.72

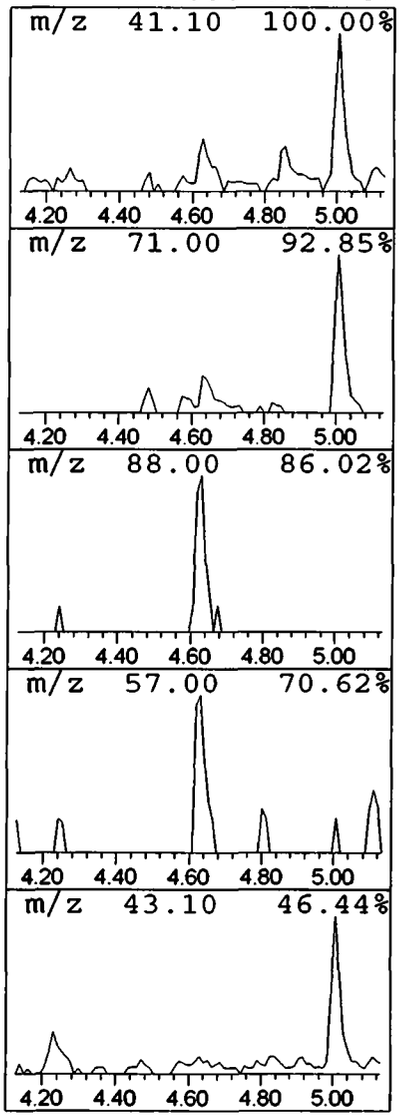
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	49
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	47
3	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	47
4	2-Buten-1-ol, 3-methyl- $$ .gamm...	86	C5H10O	000556-82-1	47











Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

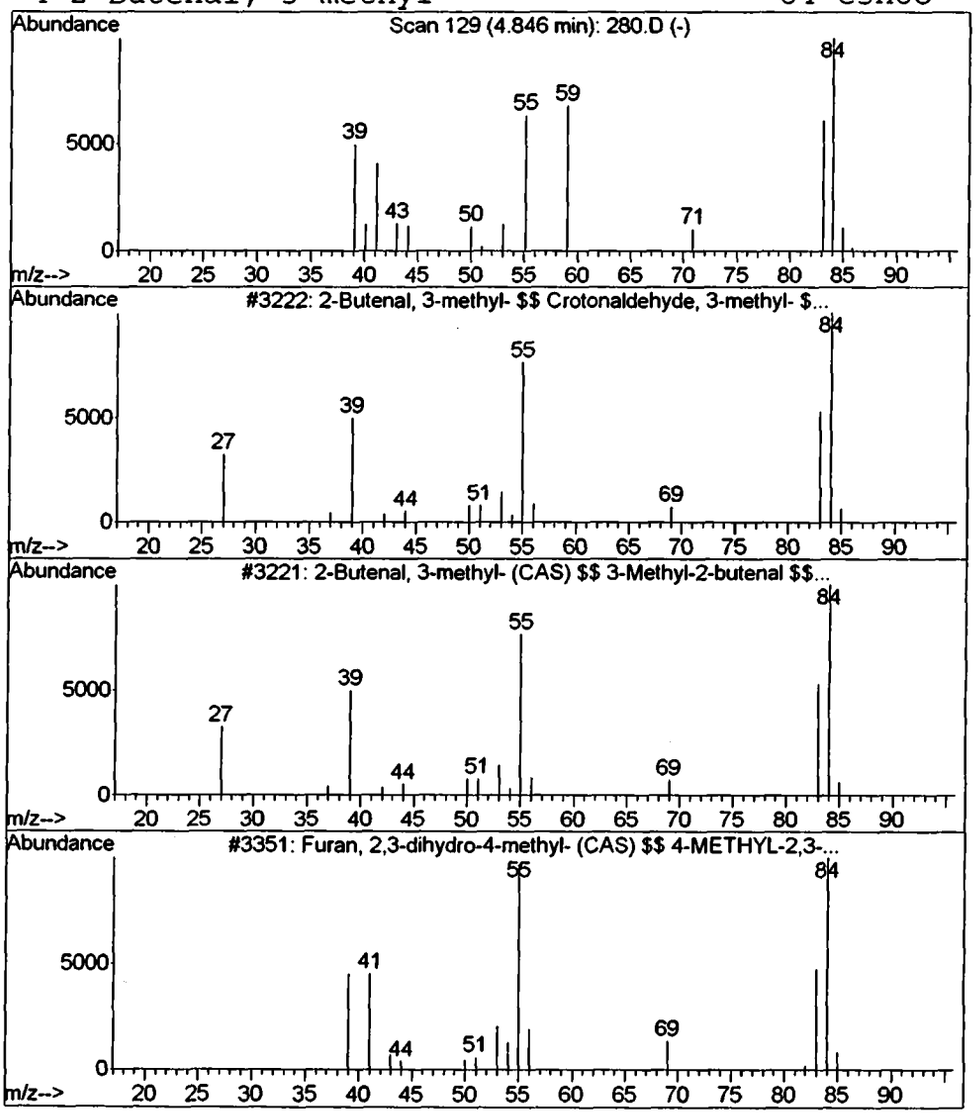
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

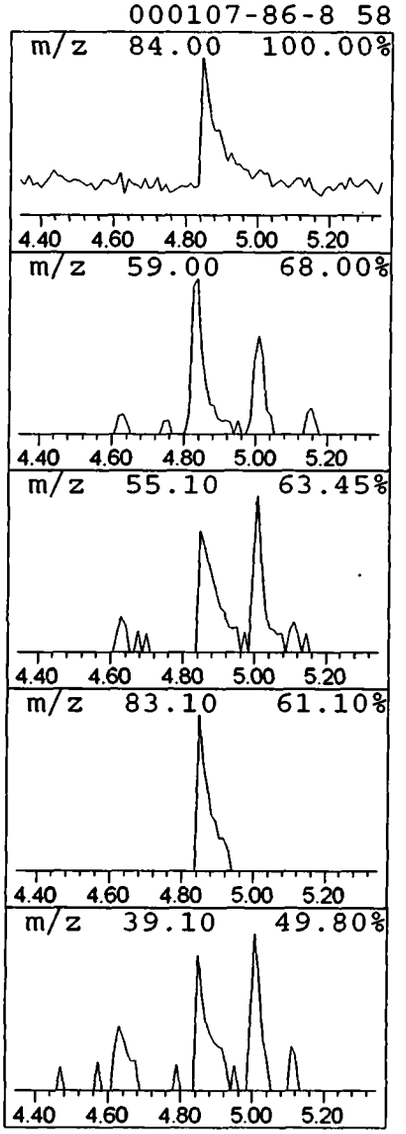
****

Peak Number 4 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.20 ug/L	100784	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	64
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	64
3	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	64
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58





Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

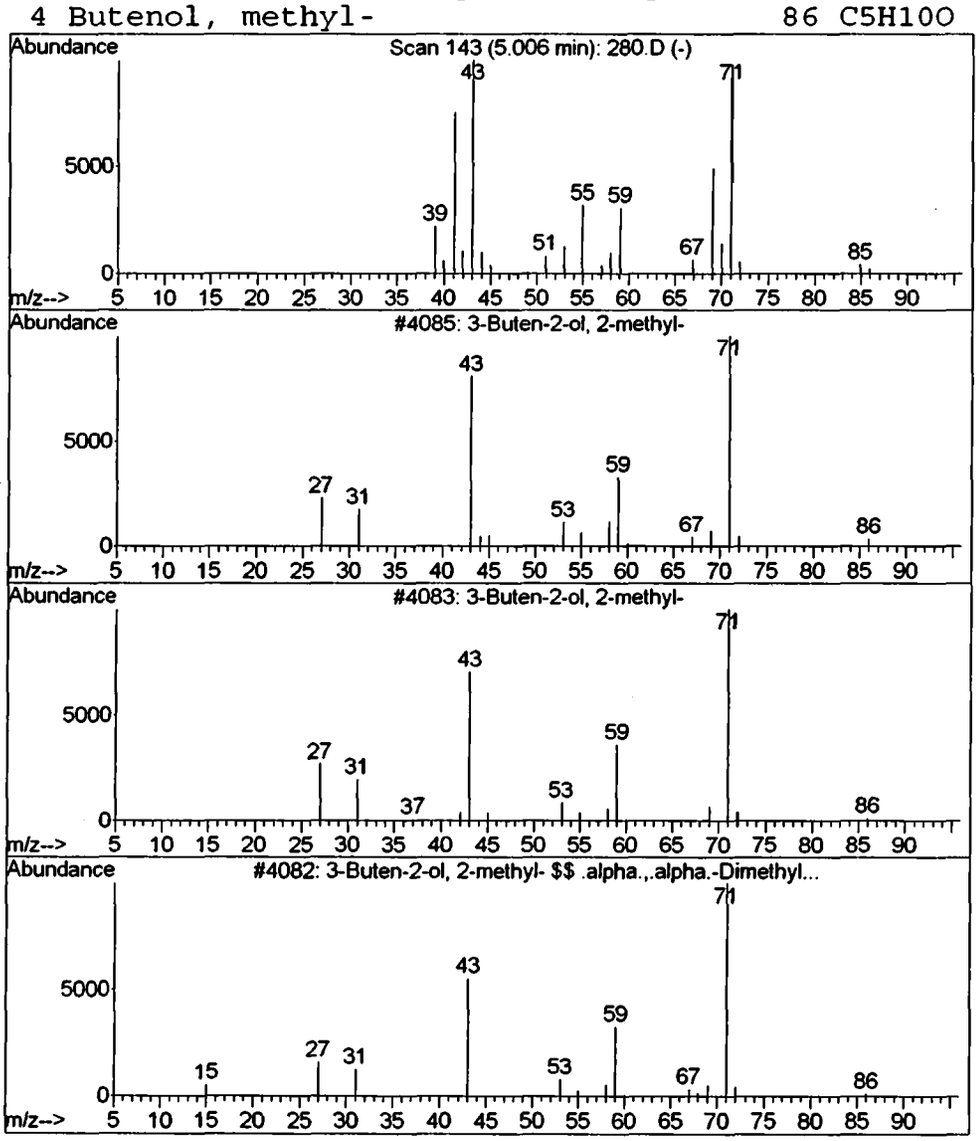
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

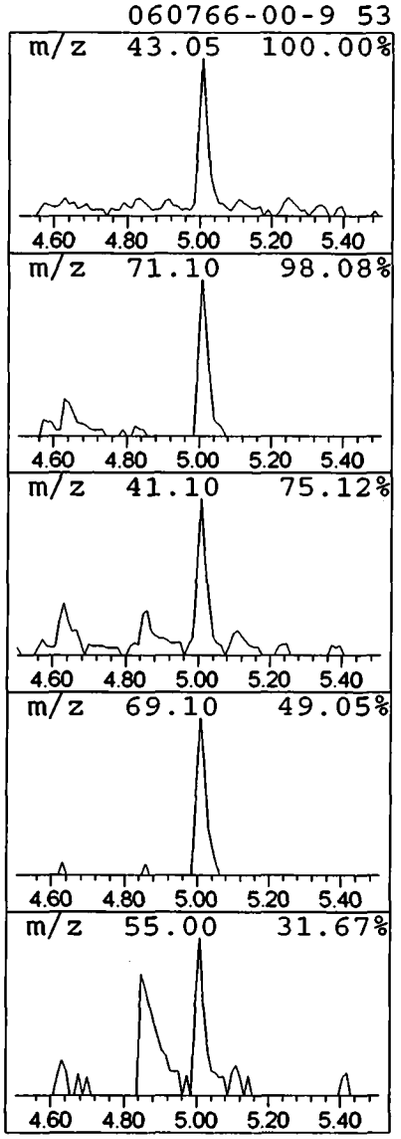
****

Peak Number 5 3-Buten-2-ol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.29 ug/L	146125	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	72
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	59
3	3-Buten-2-ol, 2-methyl- $$ .alph...	86	C5H10O	000115-18-4	59
4	Butenol, methyl-	86	C5H10O	060766-00-9	53





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Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D              Vial: 5
Acq On    :  9 Jan 2002    9:31 pm                    Operator:
Sample    : 508 scan ext 1/7                          Inst    : Instrumen
Misc      : January 9, 2002                           Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title        : 508 scan method
Library      : C:\DATABASE\WILEY7N.L
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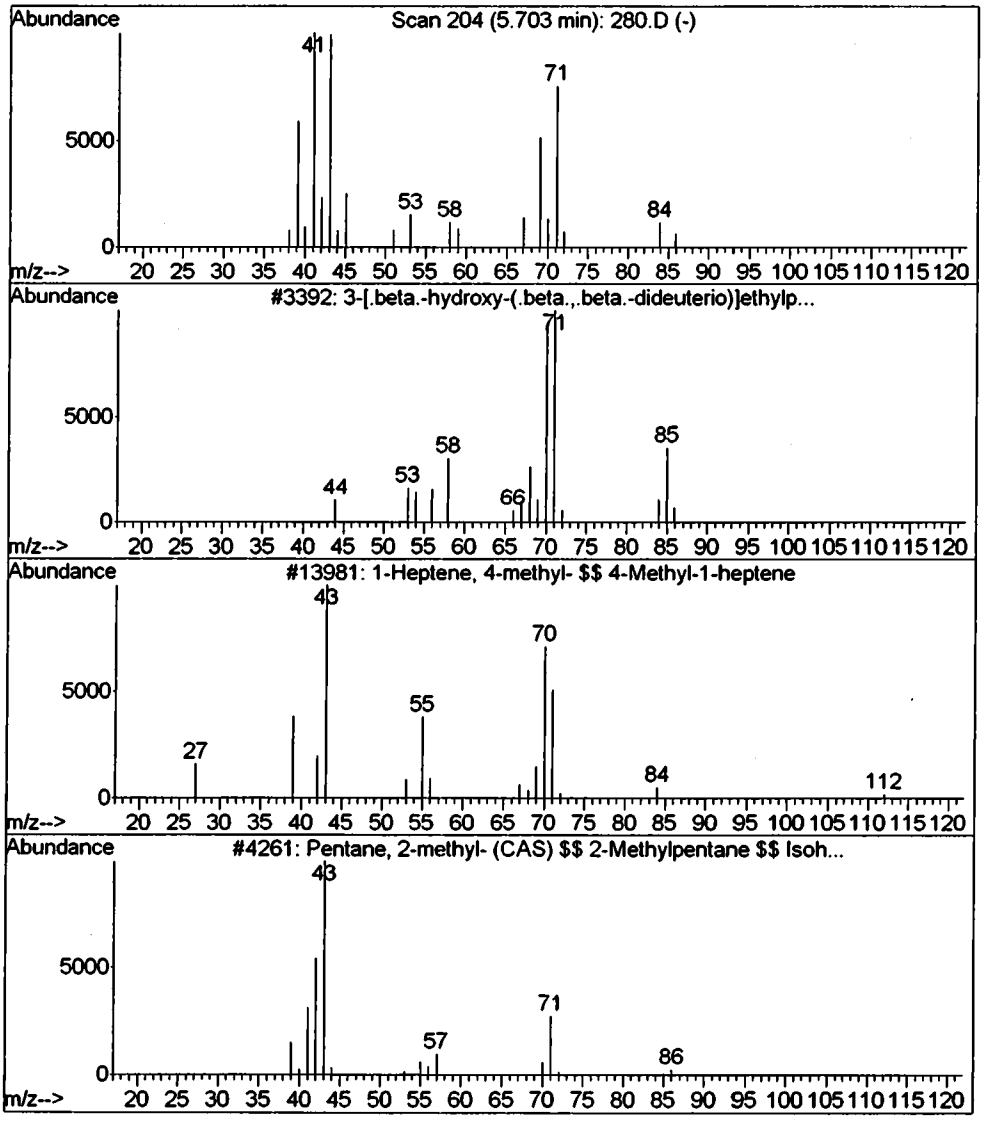
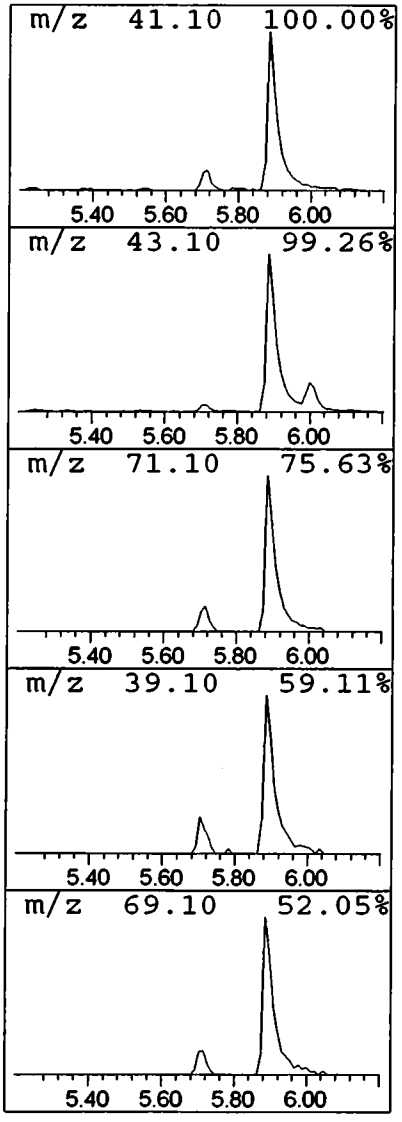
Peak Number 6 3-[.beta.-hydroxy-(.beta.,.... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	0.16 ug/L	79685	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[.beta.-hydroxy-(.beta.,.beta....	86	C5H6D2O	005557-87-9	50
2	1-Heptene, 4-methyl- $$ 4-Methyl...	112	C8H16	013151-05-8	39
3	Pentane, 2-methyl- (CAS) $$ 2-Me...	86	C6H14	000107-83-5	38
4	CIS-1-METHOXY-2-BUTENE	86	C5H10O	010034-14-7	37





Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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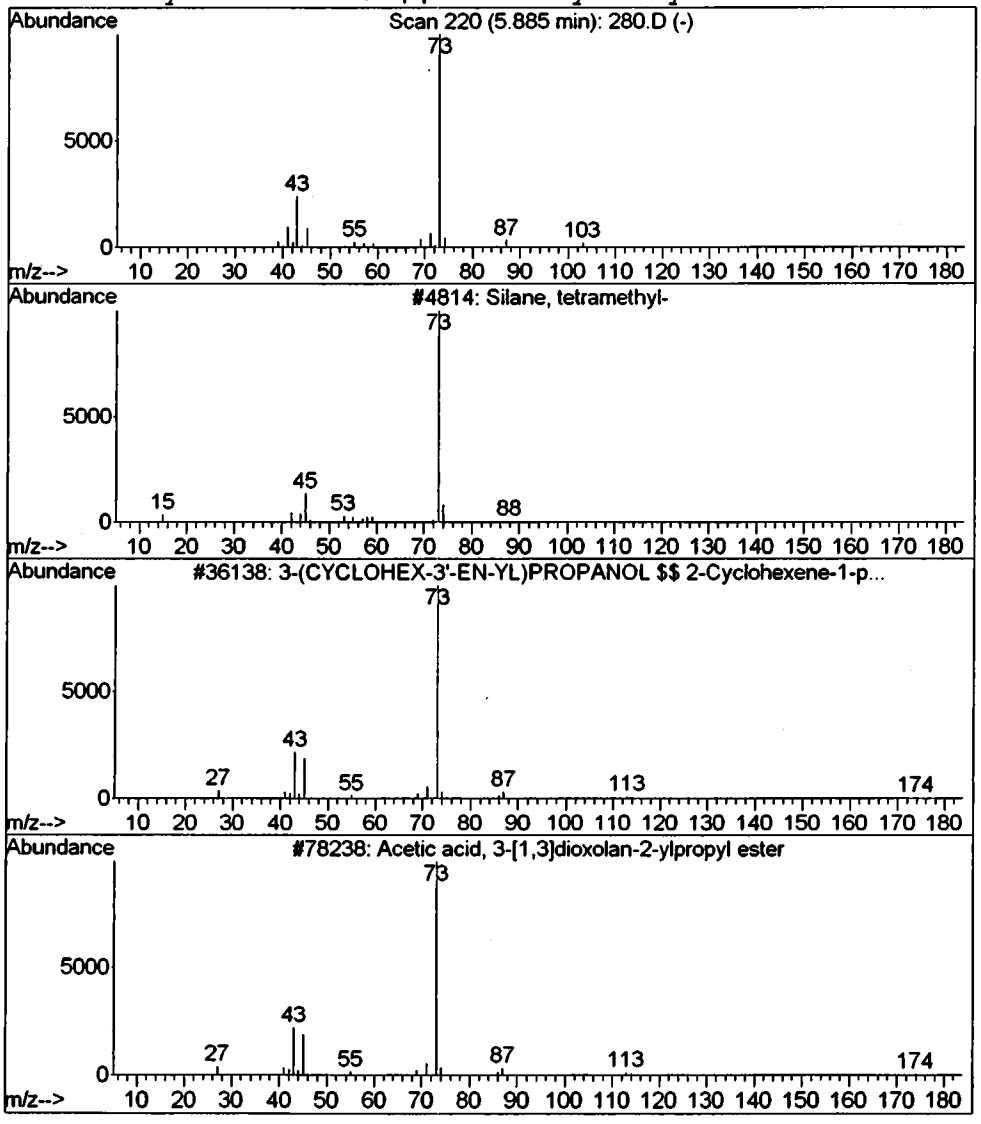
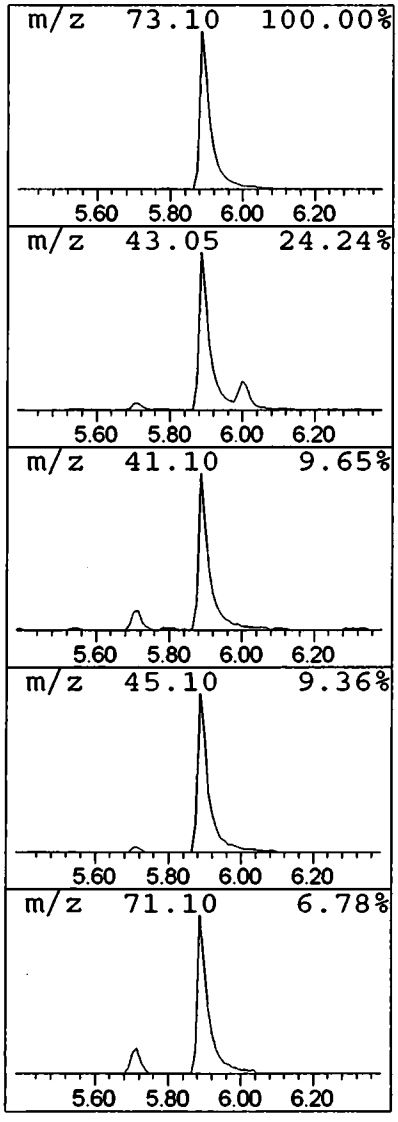
Peak Number 7 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.81 ug/L	2441390	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





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Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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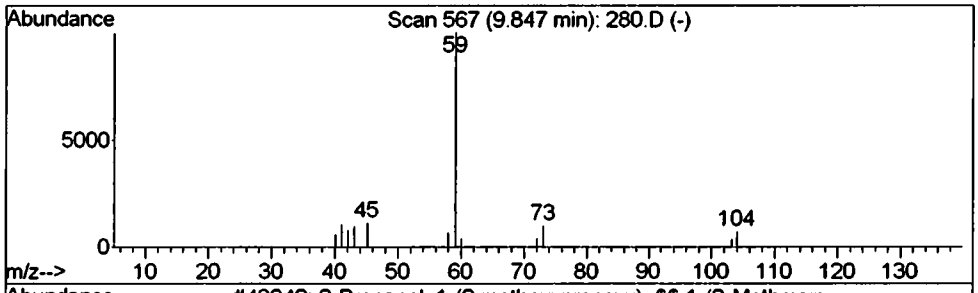
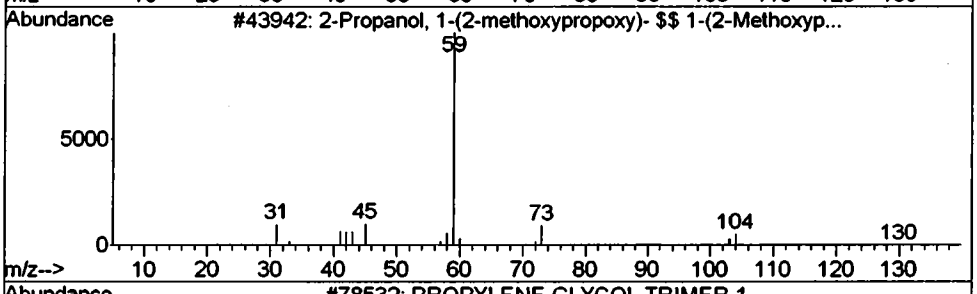
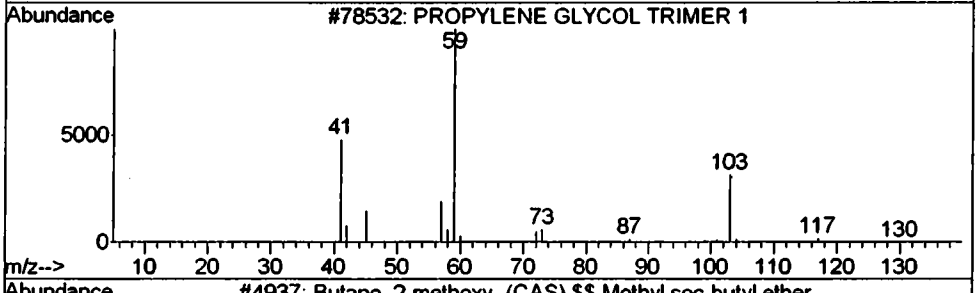
Peak Number 8 2-Propanol, 1-(2-methoxypro... Concentration Rank 4

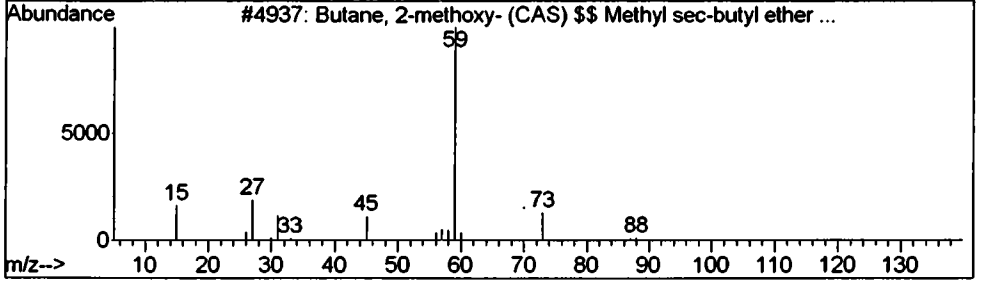
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.20 ug/L	103260	1,4-Dichlorobenzene-d4	9.72

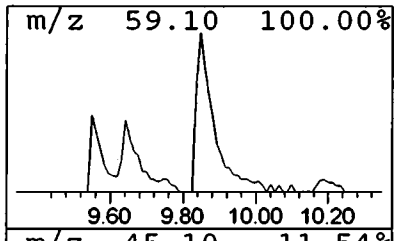
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	83
2	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	78
3	Butane, 2-methoxy- (CAS) $$ Meth...	88	C5H12O	006795-87-5	40
4	3-Hexanol	102	C6H14O	000623-37-0	39

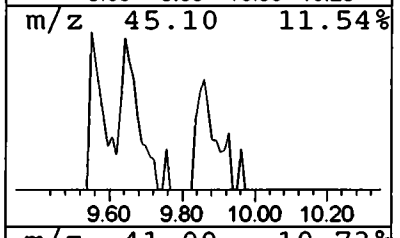


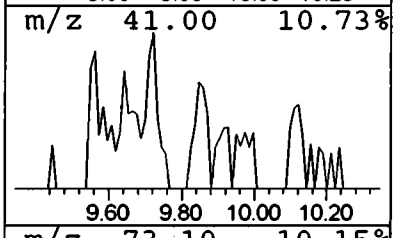


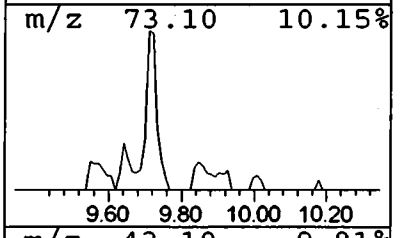


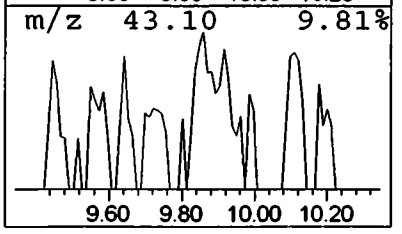












Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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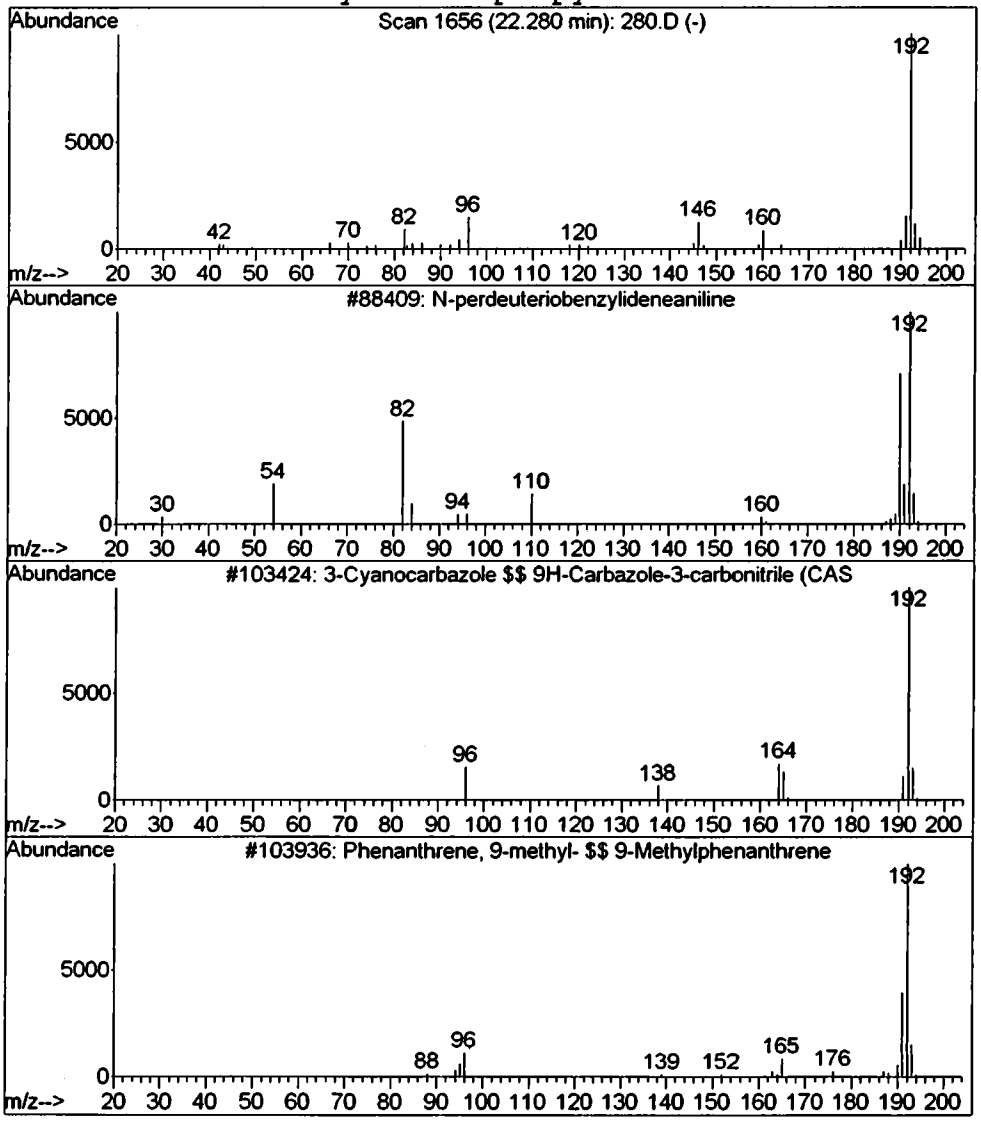
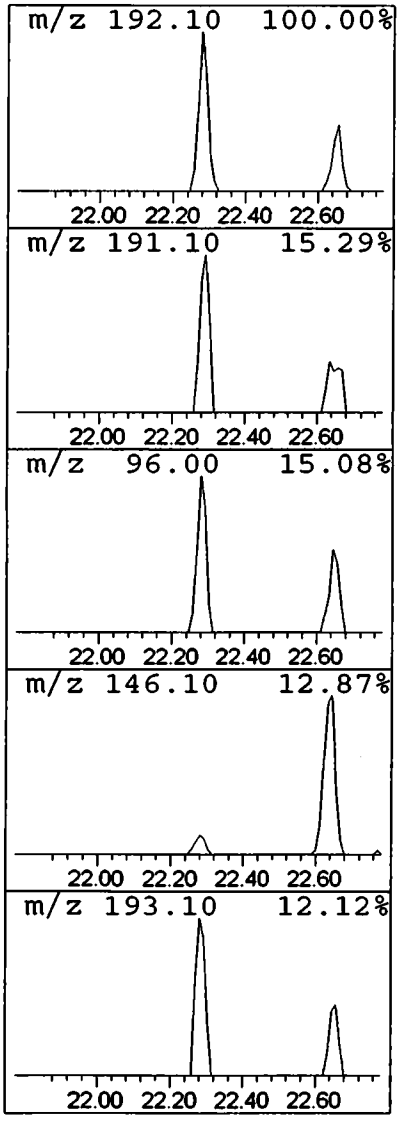
Peak Number 9 N-perdeuteriobenzylideneani... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.16 ug/L	136771	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
3	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	53
4	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50





Data File : C:\MSDCHEM\1\5973N\02JAN09\280.D Vial: 5
Acq On : 9 Jan 2002 9:31 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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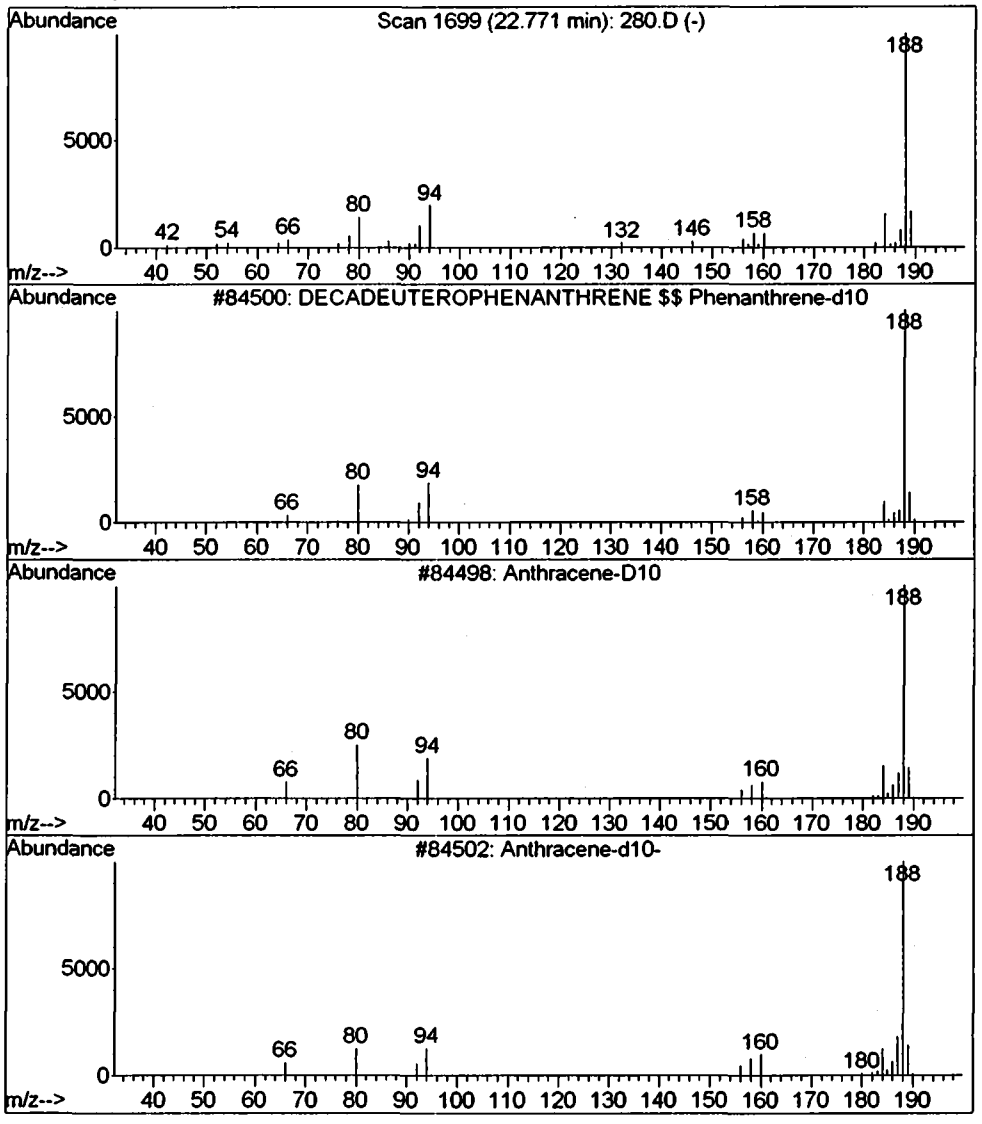
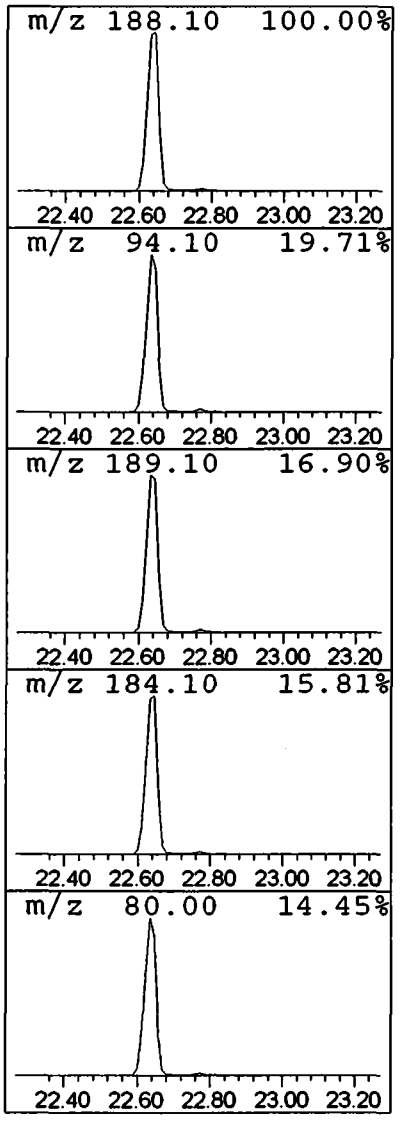
Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.24 ug/L	203978	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	94
2	Anthracene-D10	188	C14D10	000000-00-0	72
3	Anthracene-d10-	188	C14D10	001719-06-8	56
4	Phenanthrene-d10	188	C14D10	001517-22-2	50





perator ID: Date Acquired: 9 Jan 2002 9:31 pm
ata File: C:\MSDCHEM\1\5973N\02JAN09\280.D
ame: 508 scan ext 1/7
isc: January 9, 2002
ethod: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
itle: 508 scan method
ibrary Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
cetonitrile, dic...	3.48	0.1	ug/L	54381	1	9.72	10142300	20.0
hiazole, tetrahy...	4.23	0.1	ug/L	53649	1	9.72	10142300	20.0
2-Buten-1-ol, 3-m...	4.63	0.2	ug/L	80903	1	9.72	10142300	20.0
3-Butenal, 3-meth...	4.85	0.2	ug/L	100784	1	9.72	10142300	20.0
3-Buten-2-ol, 2-m...	5.01	0.3	ug/L	146125	1	9.72	10142300	20.0
3-[.beta.-hydroxy...	5.70	0.2	ug/L	79685	1	9.72	10142300	20.0
Silane, tetramethyl-	5.89	4.8	ug/L	2441390	1	9.72	10142300	20.0
2-Propanol, 1-(2-...	9.85	0.2	ug/L	103260	1	9.72	10142300	20.0
N-perdeuteriobenz...	22.28	0.2	ug/L	136771	4	22.65	17014600	20.0
DECADEUTEROPHENAN...	22.77	0.2	ug/L	203978	4	22.65	17014600	20.0

Comments for Sample AE00280 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:22:30

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.