User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/27/2002 Time: 08:57:08

Sample: AE01136
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/27/02 08:52 Ended: 2/27/02 08:52 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		88		5.0

Comments for Sample AE01136 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-27-2002 Time: 08:57:14

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 16 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 3 of the 43 compounds were below their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB25\01136.D Vial: 3
Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 26 08:28:34 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1479163	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6321454	20.00	ug/L	0.00
17) Acenaphthene-d10	18.33	164	3155869	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5401353	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	4111749	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	2849638	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	317522	4.41	ug/L	0.00
Spiked Amount 5.000			Recovery = 88.20%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.33	163	504988	2.64	ug/L #	58
21) 2,6-Dinitrotoluene	18.33	165	393883	8.91	ug/L #	27
42) Bis(2-ethylhexyl)phthalate	31.10	149	67151	0.39	ug/L	99

(#) = qualifier out of range (m) = manual integration
01136.D HP022102.M Tue Feb 26 08:28:35 2002 Page 1

Quantitation Report (Not Reviewed)

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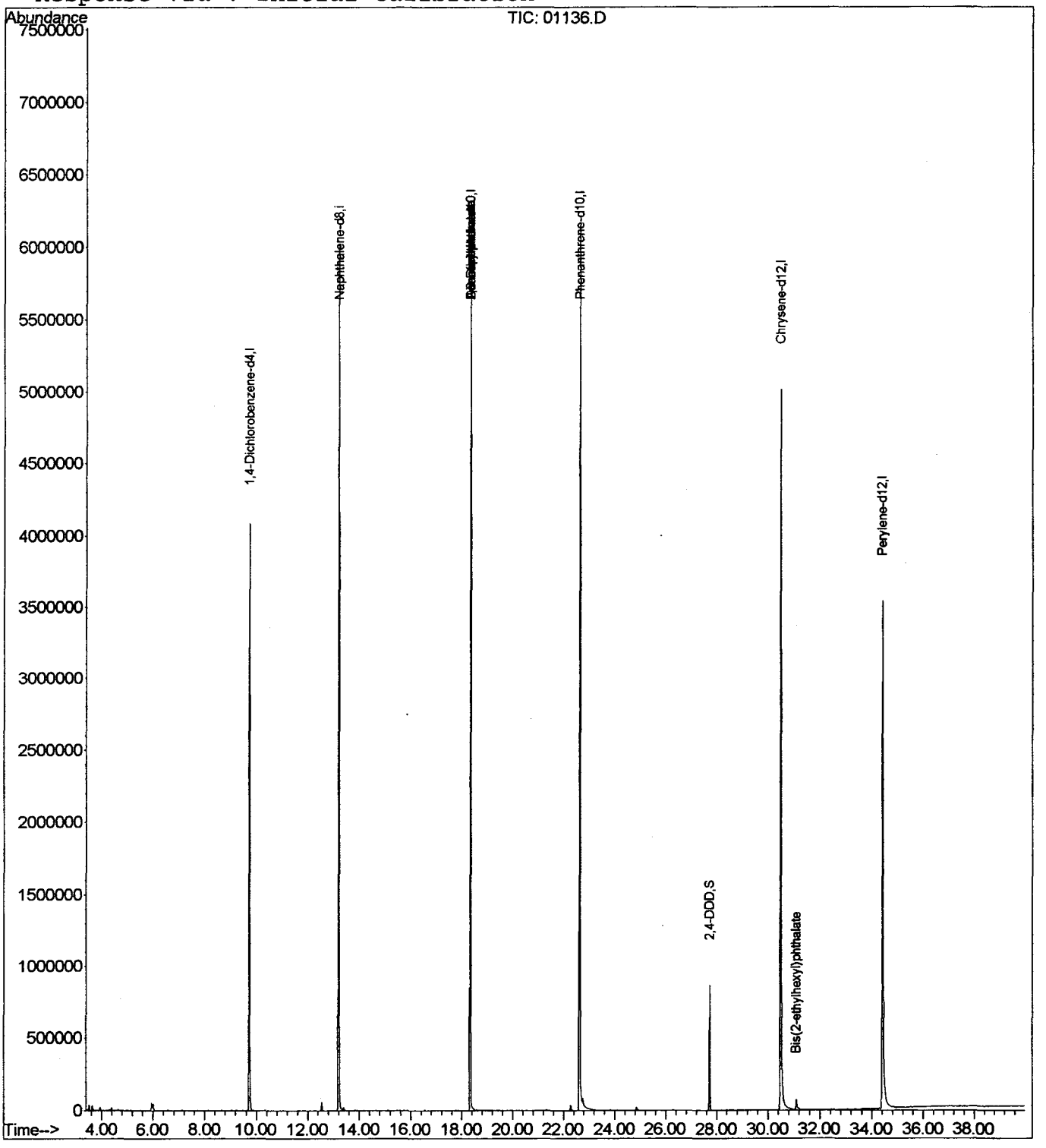
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 26 8:28 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB25\01136.D Vial: 3
Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.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

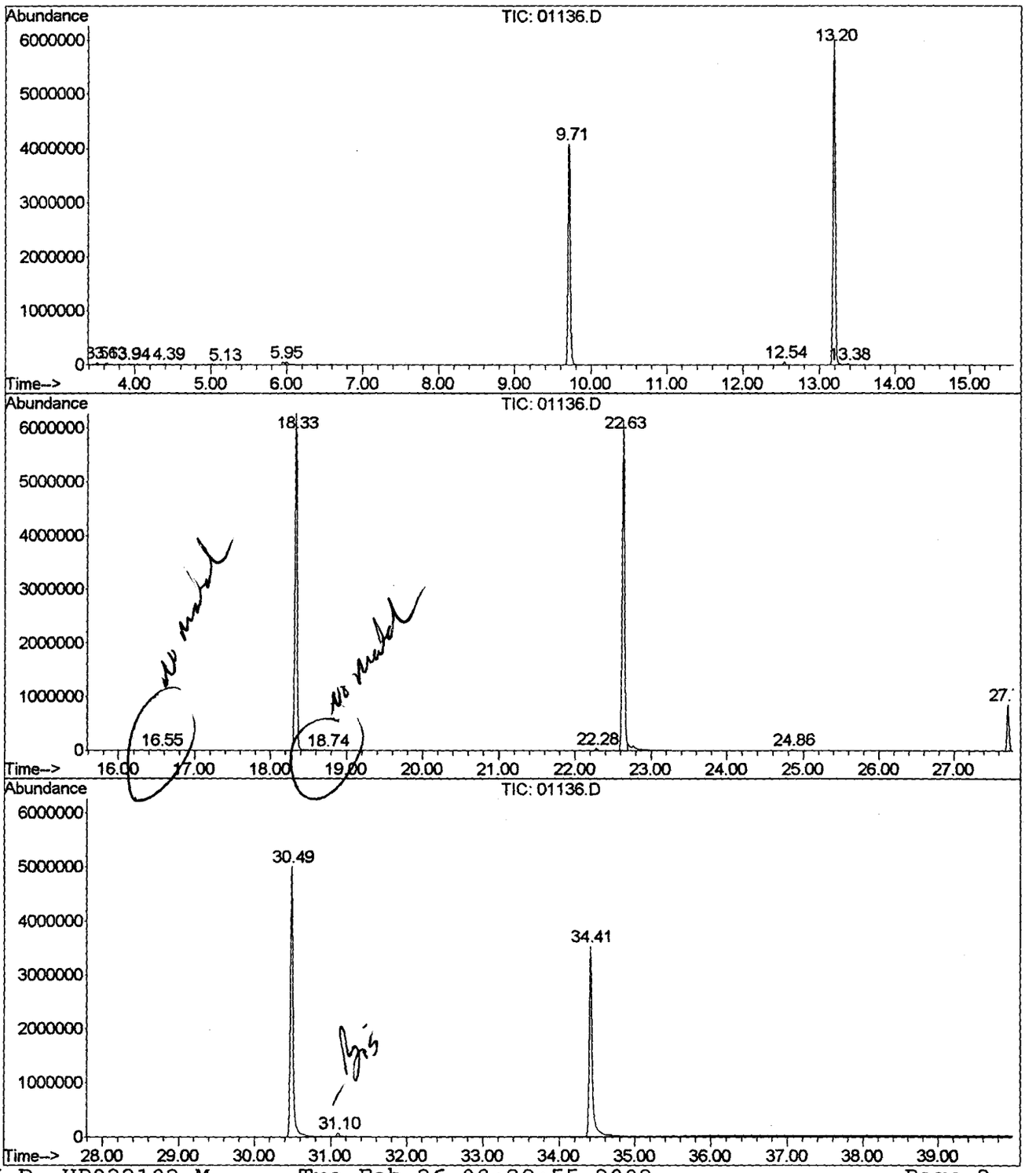
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.509	9	12	17	rBV	36204	62165	0.47%	0.088%
2	3.634	21	23	29	rBV	34515	66477	0.50%	0.094%
3	3.938	47	50	55	rVB	19218	29247	0.22%	0.041%
4	4.390	87	90	93	rBV	18631	33763	0.25%	0.048%
5	5.135	151	156	165	rBV5	6027	21609	0.16%	0.031%
6	5.948	225	228	239	rBV2	51220	206580	1.55%	0.292%
7	9.707	557	561	567	rBV	4085522	8214500	61.50%	11.612%
8	12.540	807	812	817	rVB	59415	104521	0.78%	0.148%
9	13.195	865	870	875	rBV	6015800	11907842	89.15%	16.832%
10	13.376	883	886	901	rVB2	21211	55873	0.42%	0.079%
11	16.548	1161	1167	1173	rBV2	9579	23269	0.17%	0.033%
12	18.332	1319	1325	1331	rBV	6264551	12743640	95.41%	18.014%
13	18.738	1355	1361	1369	rVB4	5581	22782	0.17%	0.032%
14	22.283	1669	1675	1679	rBV2	38355	76734	0.57%	0.108%
15	22.633	1701	1706	1711	rBV2	6139577	13357119	100.00%	18.881%
16	24.857	1899	1903	1911	rBV	20664	50916	0.38%	0.072%
17	27.724	2151	2157	2163	rBV	863660	1552898	11.63%	2.195%
18	30.490	2397	2402	2437	rBV2	5007760	12254951	91.75%	17.323%
19	31.099	2451	2456	2467	rBV	68539	197608	1.48%	0.279%
20	34.407	2743	2749	2781	rBV	3529941	9761813	73.08%	13.799%

Sum of corrected areas: 70744307

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB25\01136.D
Operator :
Acquired : 25 Feb 2002 12:53 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 25, 2002
Vial Number: 3
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB25\01136.D Vial: 3
Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

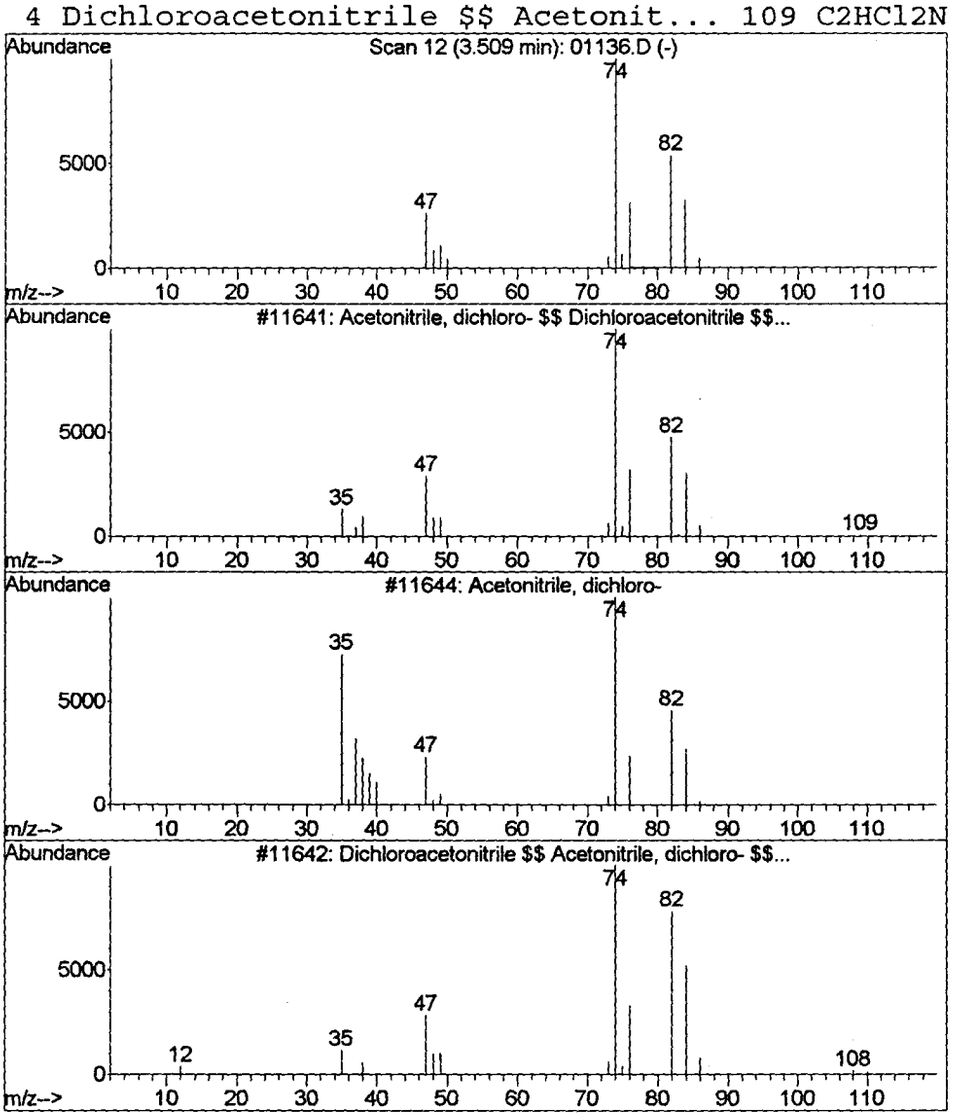
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

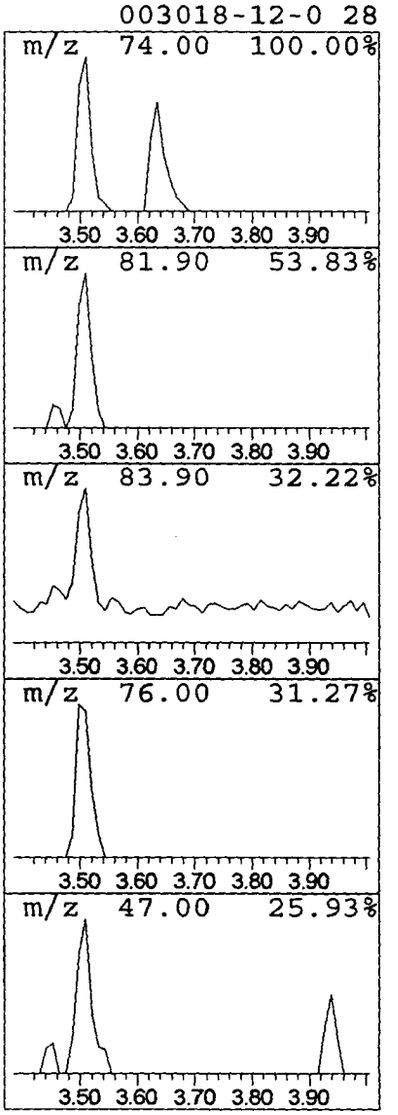
****

Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.51	0.15 ug/L	62165	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	90
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	28





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Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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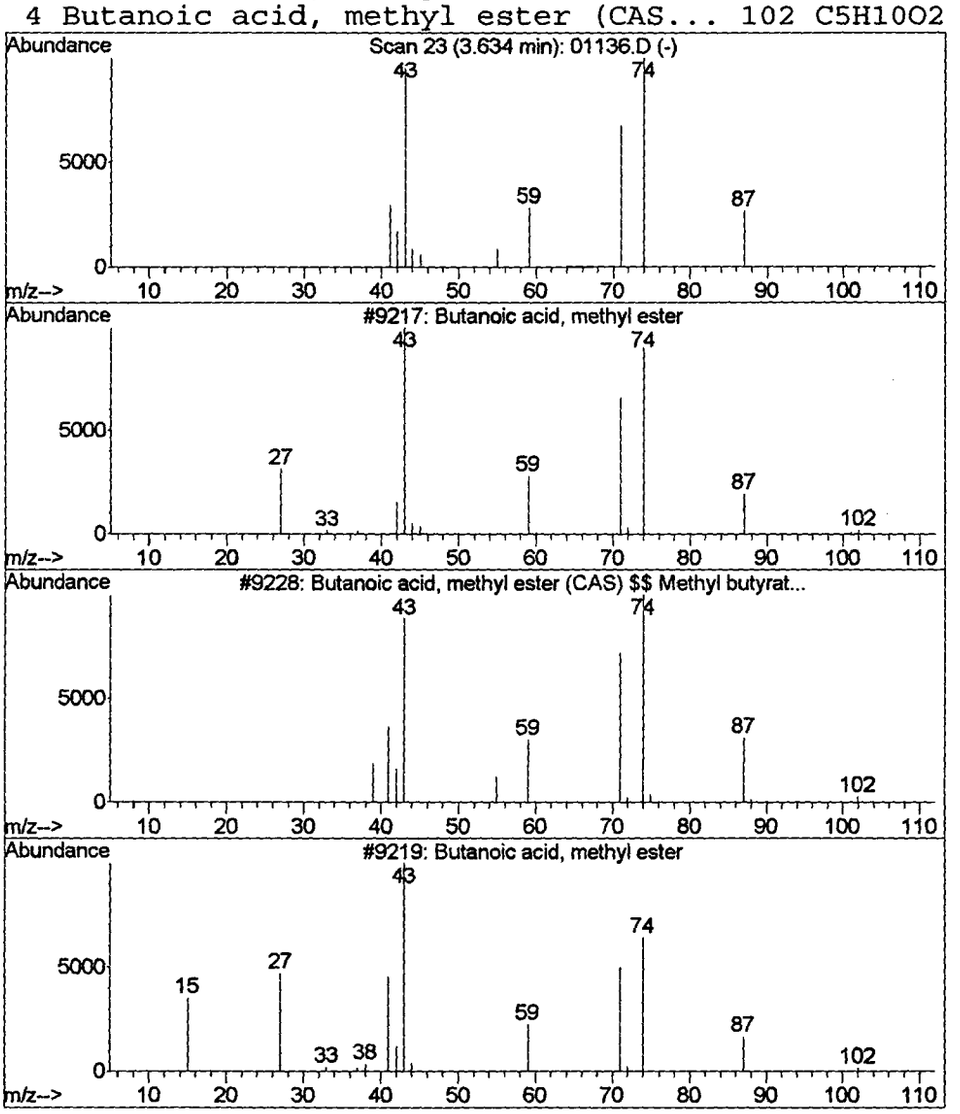
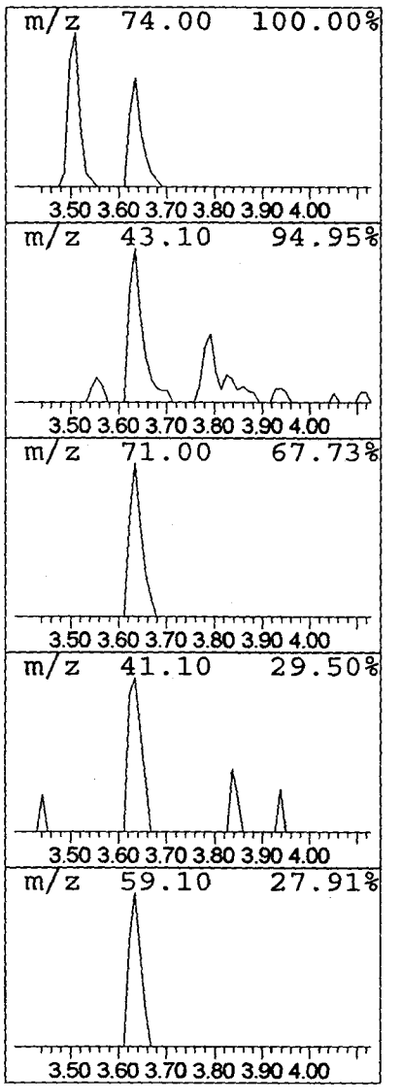
Peak Number 2 Butanoic acid, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	0.16 ug/L	66477	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83





Library Search Compound Report

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Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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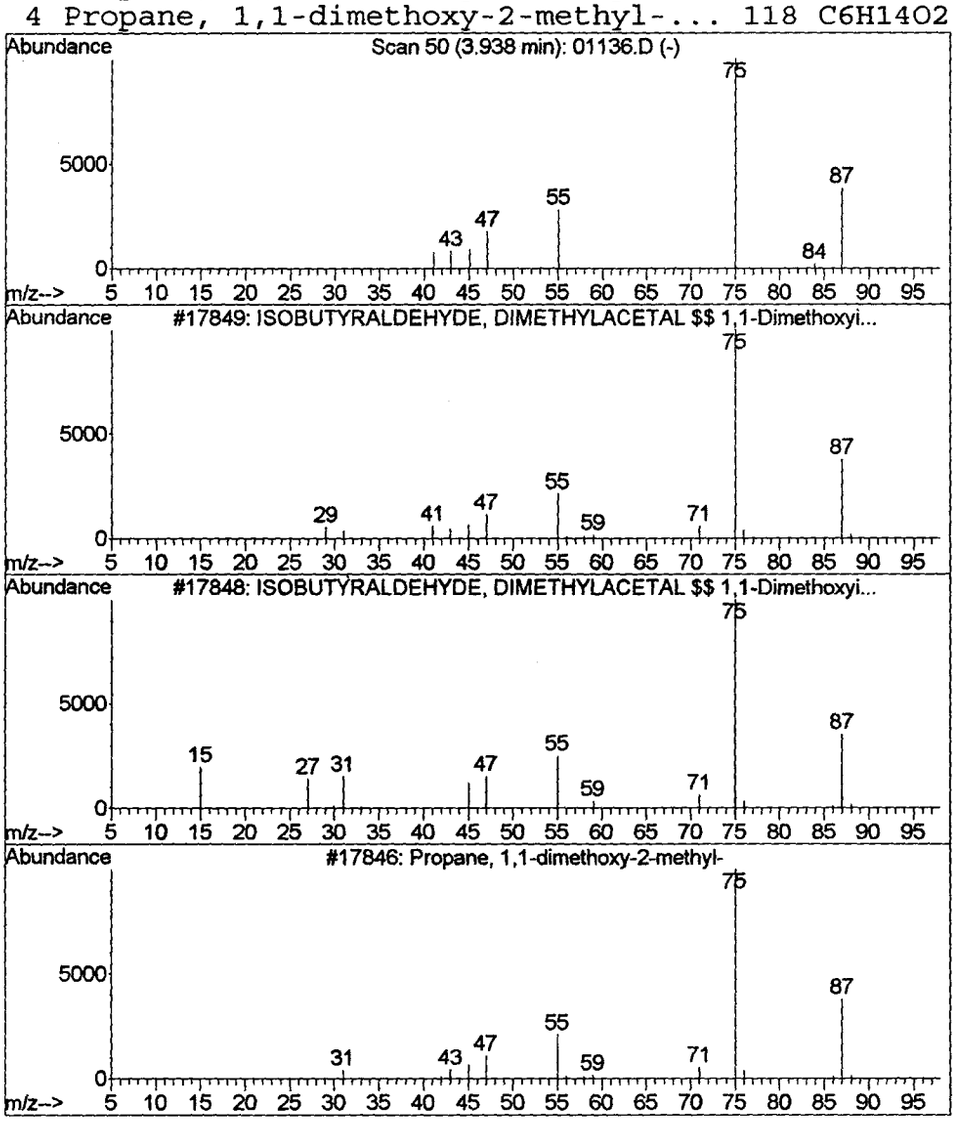
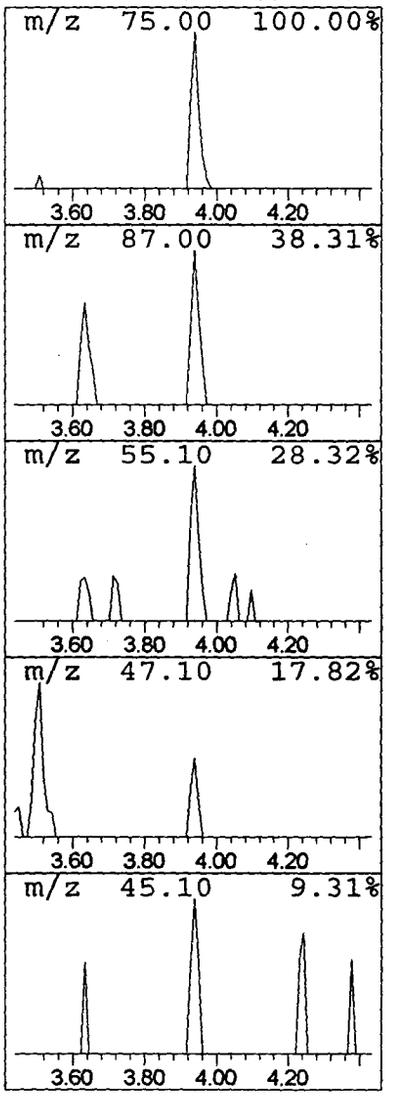
Peak Number 3 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.94	0.07 ug/L	29247	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
3	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	9
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	9





Library Search Compound Report

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Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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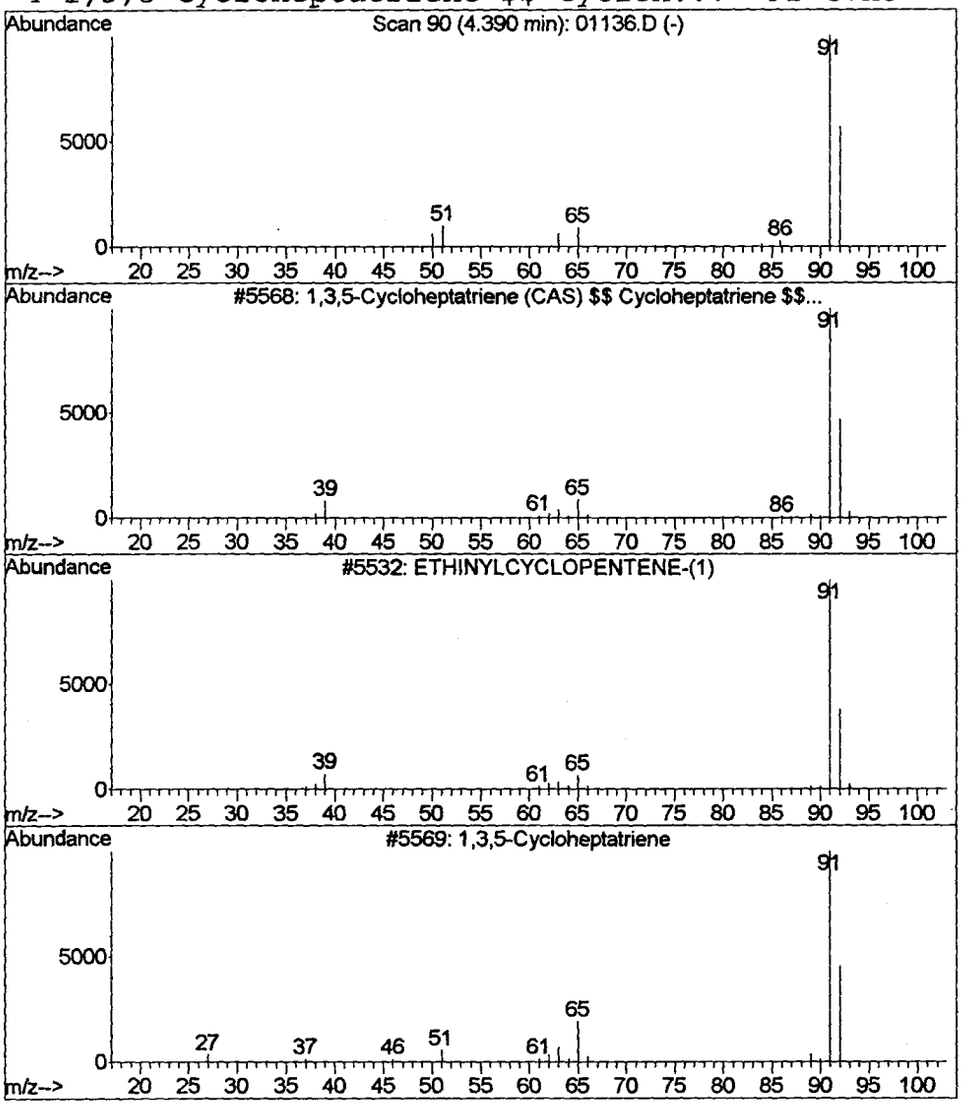
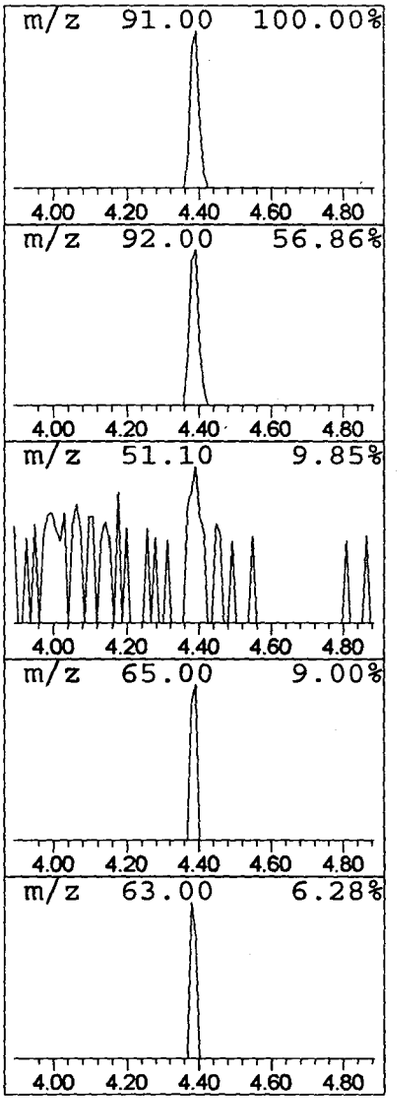
Peak Number 4 1,3,5-Cycloheptatriene (CAS... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	0.08 ug/L	33763	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	9
2	ETHINYLCYCLOPENTENE-(1)	92	C7H8	000000-00-0	9
3	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	9
4	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	9





Library Search Compound Report

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Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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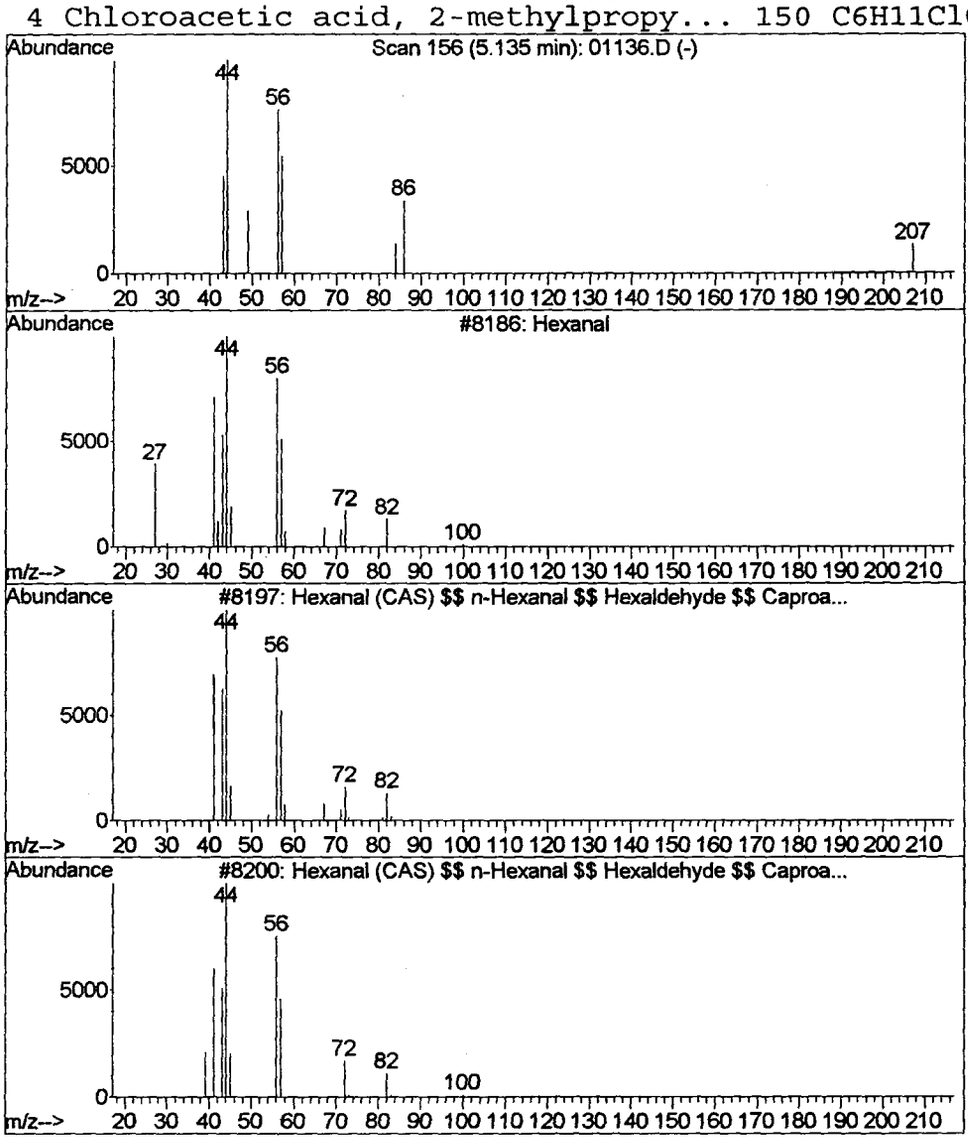
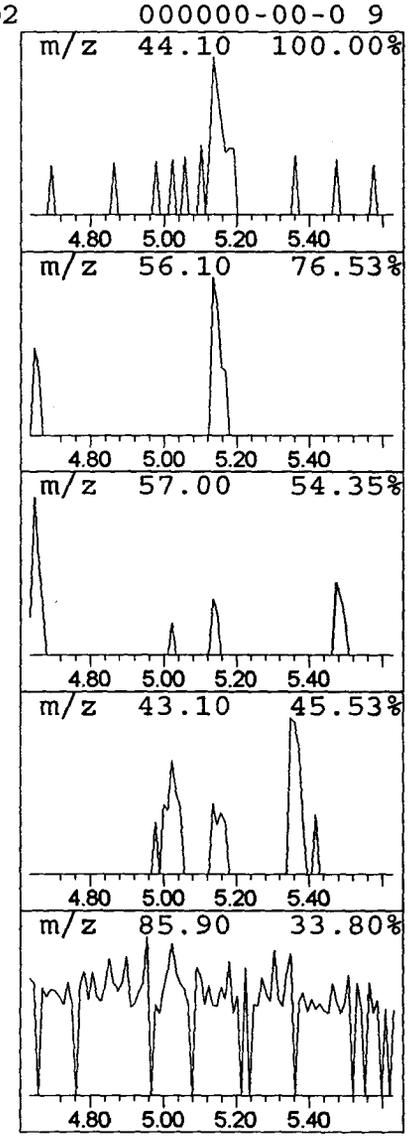
Peak Number 5 Hexanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	0.05 ug/L	21609	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	9
2	Hexanal (CAS) $$ n-Hexanal $$ He...	100	C6H12O	000066-25-1	9
3	Hexanal (CAS) $$ n-Hexanal $$ He...	100	C6H12O	000066-25-1	9
4	Chloroacetic acid, 2-methylpropy...	150	C6H11ClO2	000000-00-0	9





Library Search Compound Report

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Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
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Library : C:\DATABASE\WILEY7N.L

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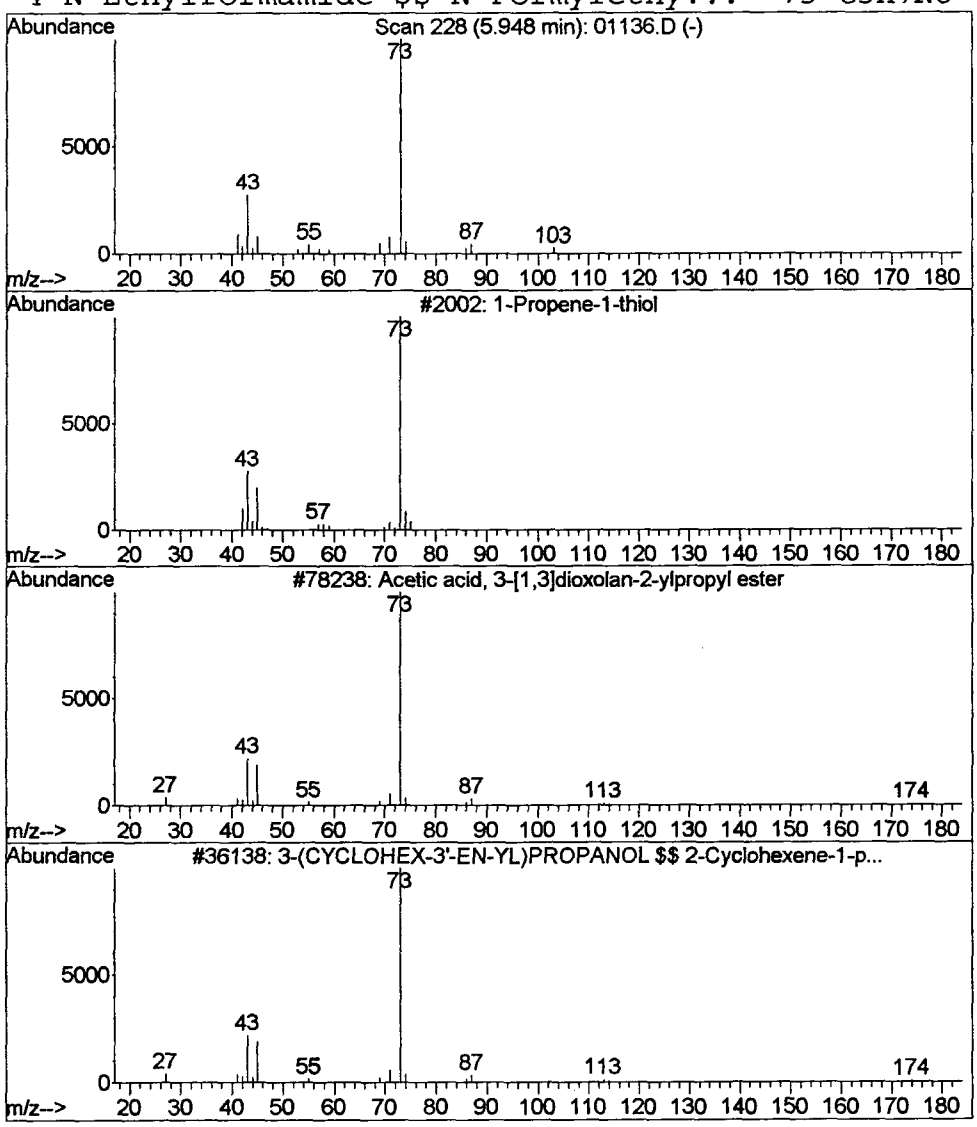
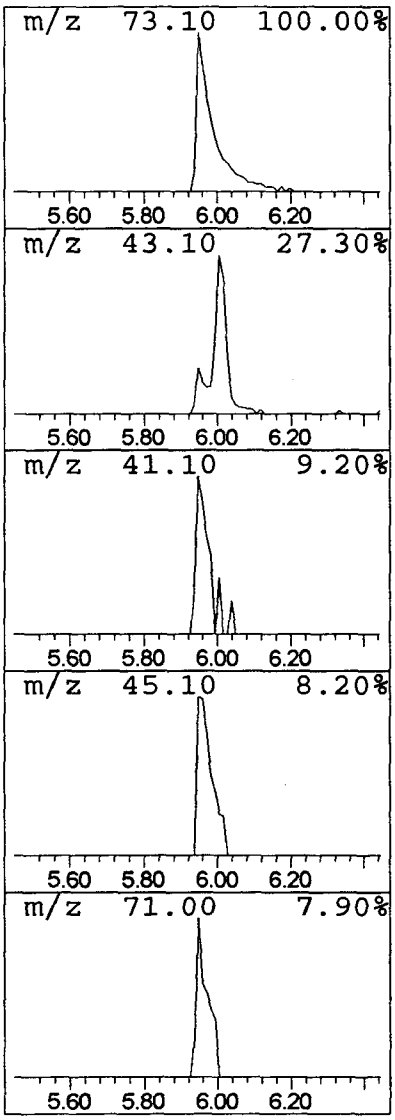
Peak Number 6 1-Propene-1-thiol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	0.50 ug/L	206580	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene-1-thiol	74	C3H6S	000925-89-3	23
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	17
3	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	17
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





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Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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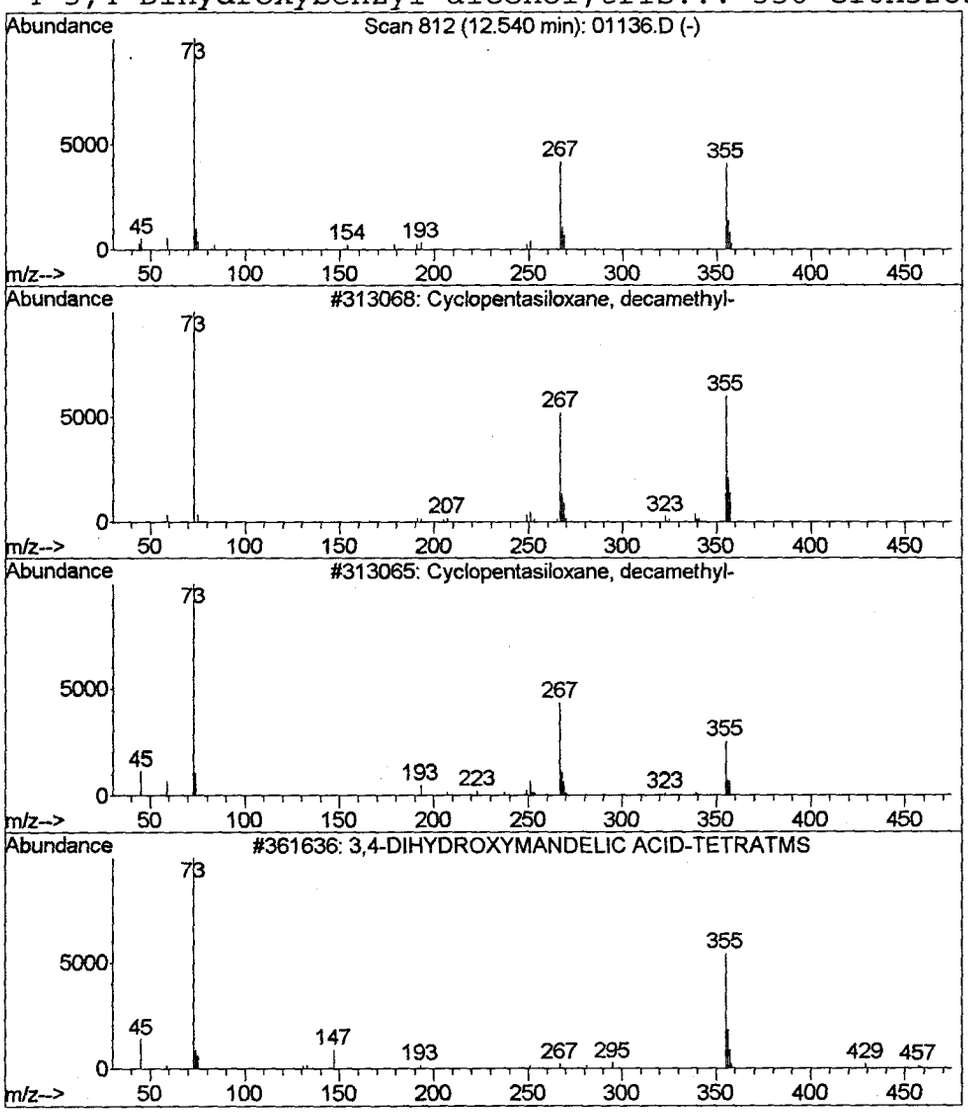
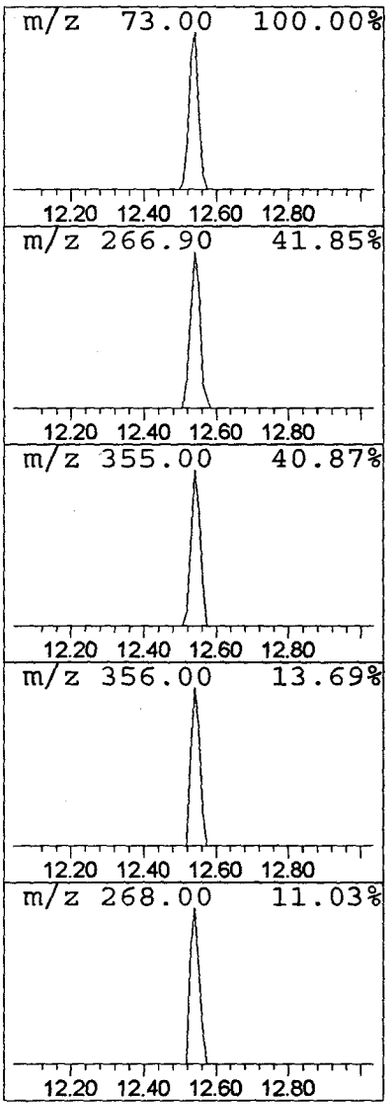
Peak Number 7 Cyclopentasiloxane, decamet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.18 ug/L	104521	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	90
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
3	3,4-DIHYDROXYMANDELIC ACID-TETRATMS	472	C20H40O5Si4	000000-00-0	38
4	3,4-Dihydroxybenzyl alcohol,tris...	356	C16H32O3Si3	068595-79-9	37





Library Search Compound Report

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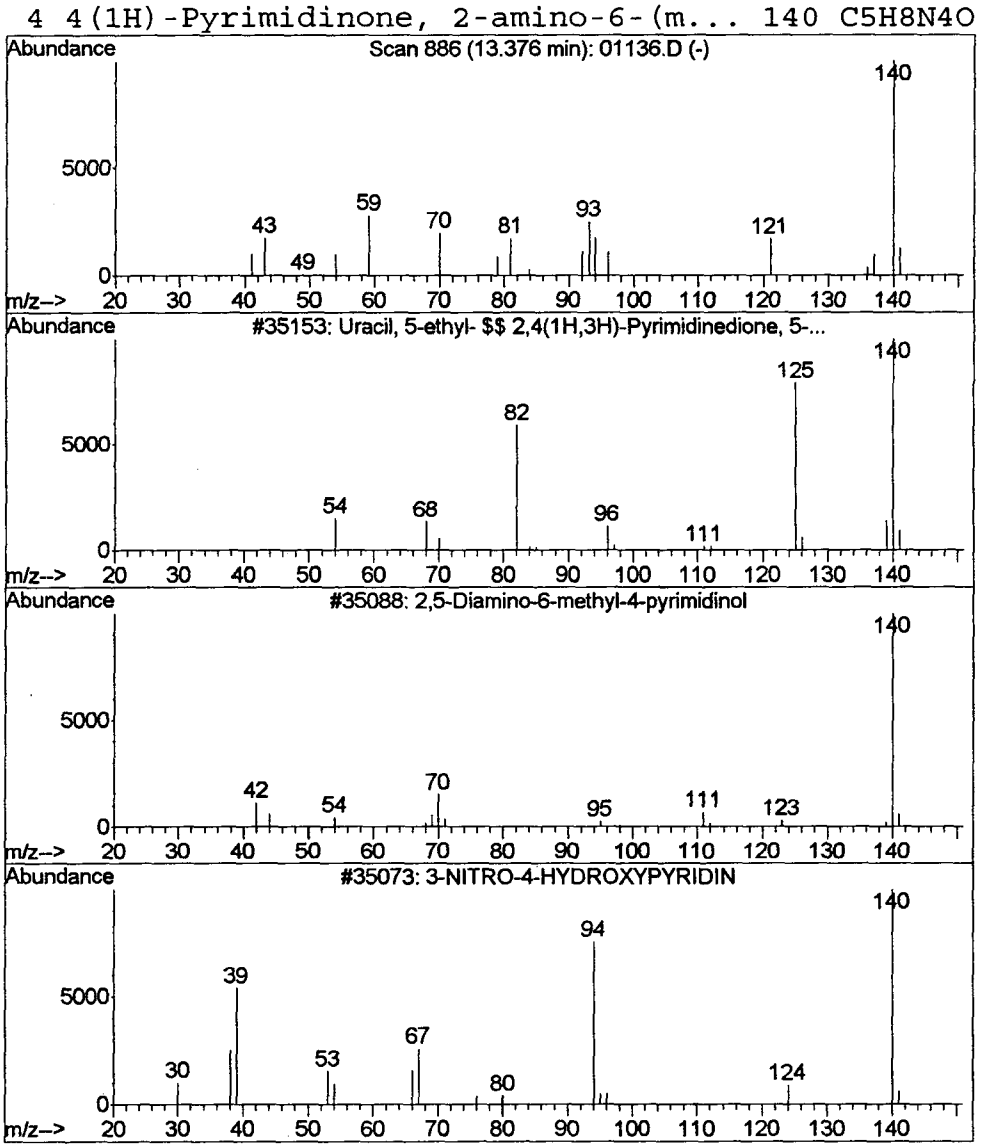
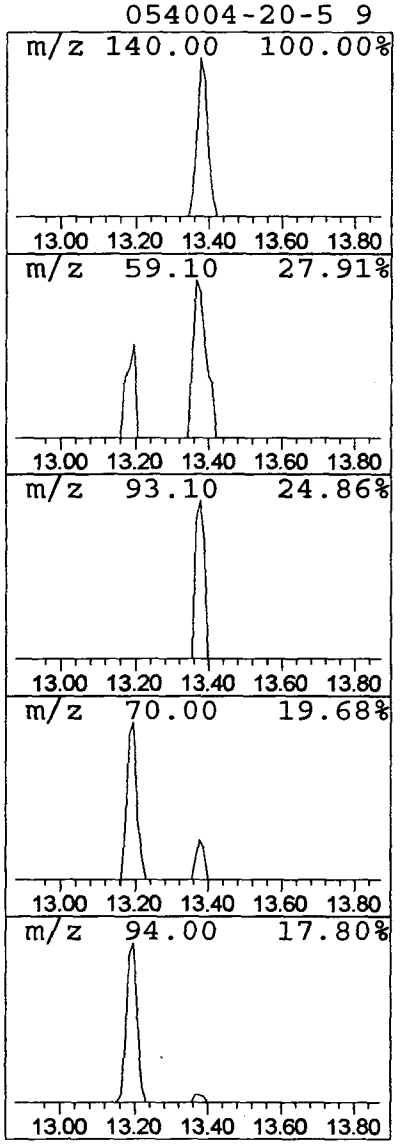
Peak Number 8 Uracil, 5-ethyl- $$ 2,4(1H,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.09 ug/L	55873	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Uracil, 5-ethyl- $$ 2,4(1H,3H)-P...	140	C6H8N2O2	004212-49-1	23
2	2,5-Diamino-6-methyl-4-pyrimidinol	140	C5H8N4O	000000-00-0	9
3	3-NITRO-4-HYDROXYPYRIDIN	140	C5H4N2O3	000000-00-0	9
4	4(1H)-Pyrimidinone, 2-amino-6-(m...	140	C5H8N4O	054004-20-5	9





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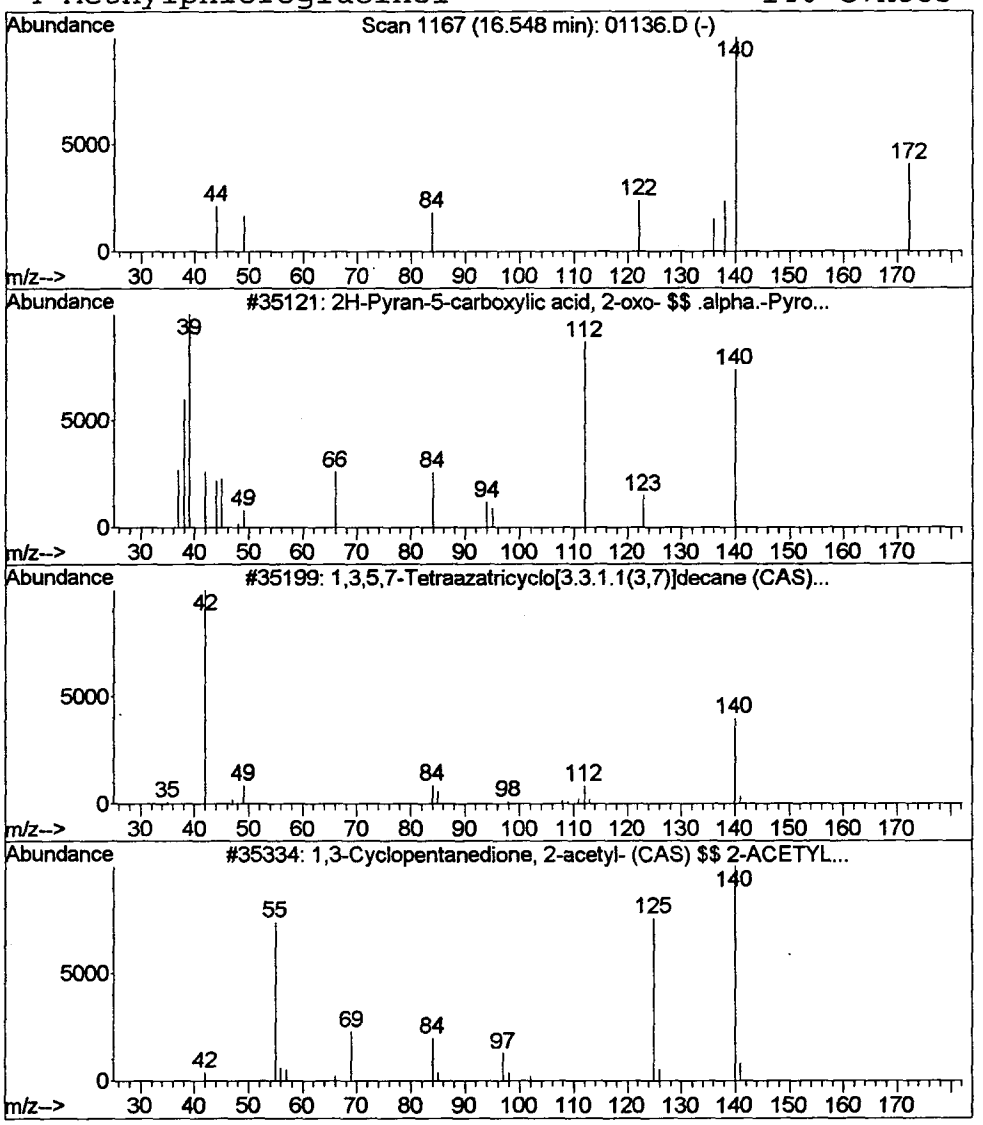
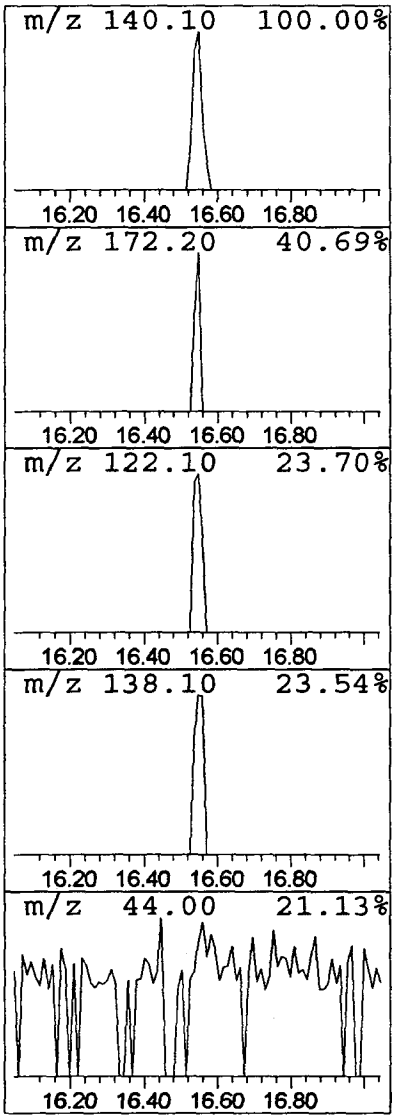
Peak Number 9 2H-Pyran-5-carboxylic acid,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.04 ug/L	23269	Acenaphthene-d10	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-5-carboxylic acid, 2-ox...	140	C6H4O4	000500-05-0	9
2	1,3,5,7-Tetraazatricyclo[3.3.1.1...	140	C6H12N4	000100-97-0	7
3	1,3-Cyclopentanedione, 2-acetyl-...	140	C7H8O3	003859-39-0	5
4	Methylphloroglucinol	140	C7H8O3	000000-00-0	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB25\01136.D Vial: 3
Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

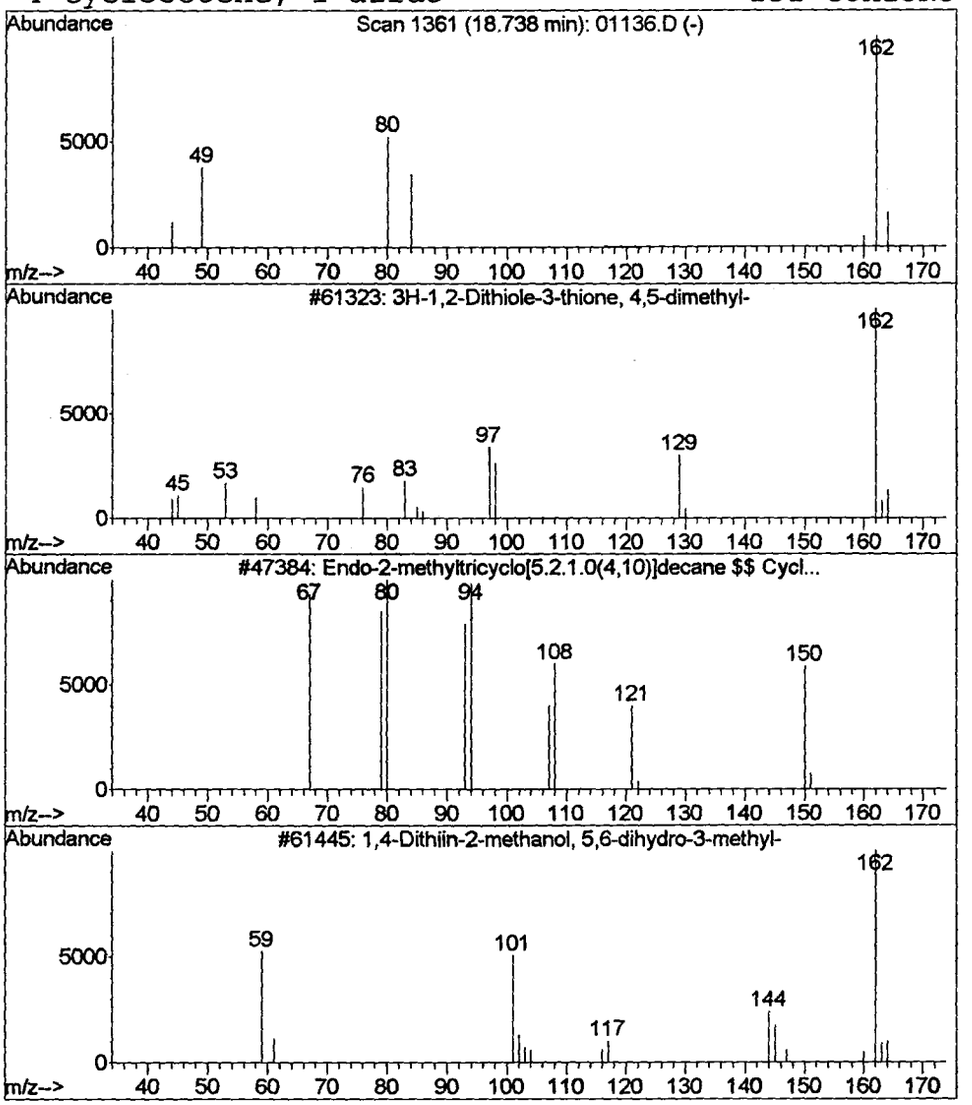
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

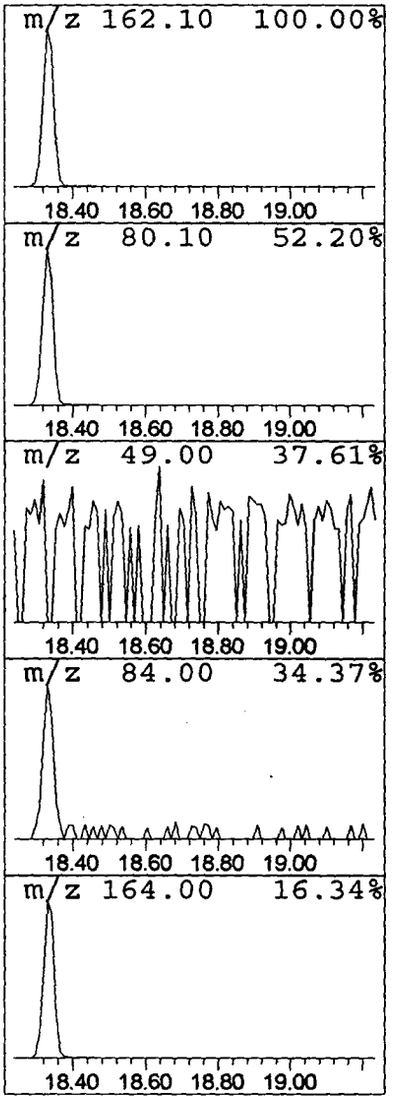
****

Peak Number 10 3H-1,2-Dithiole-3-thione, 4... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	0.04 ug/L	22782	Acenaphthene-d10	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2-Dithiole-3-thione, 4,5-di...	162	C5H6S3	003354-39-0	9
2	Endo-2-methyltricyclo[5.2.1.0(4,...	150	C11H18	064869-62-1	9
3	1,4-Dithiin-2-methanol, 5,6-dihy...	162	C6H10OS2	000000-00-0	7
4	Cyclooctene, 1-azido-	151	C8H13N3	040934-24-5	7





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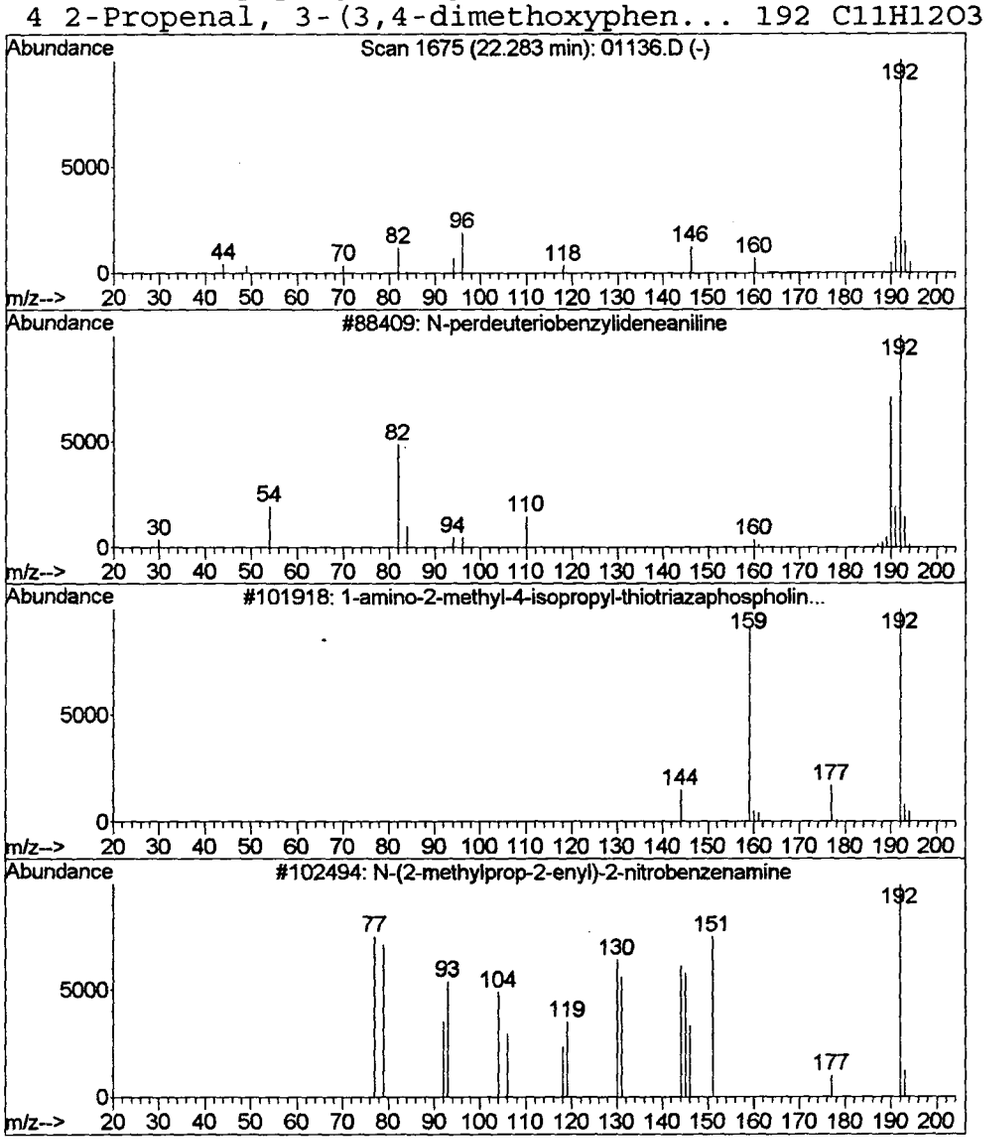
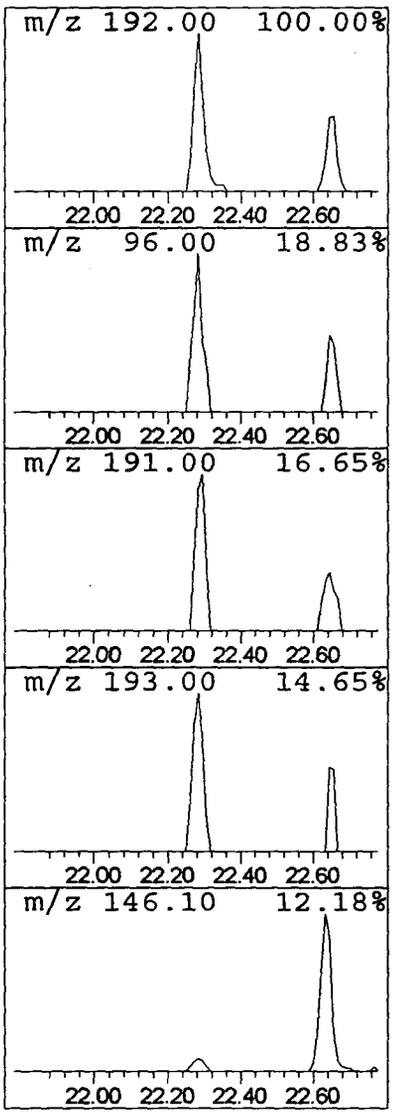
****

Peak Number 11 N-perdeuteriobenzylideneani... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.11 ug/L	76734	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
3	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49
4	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42





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Acq On : 25 Feb 2002 12:53 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 25, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

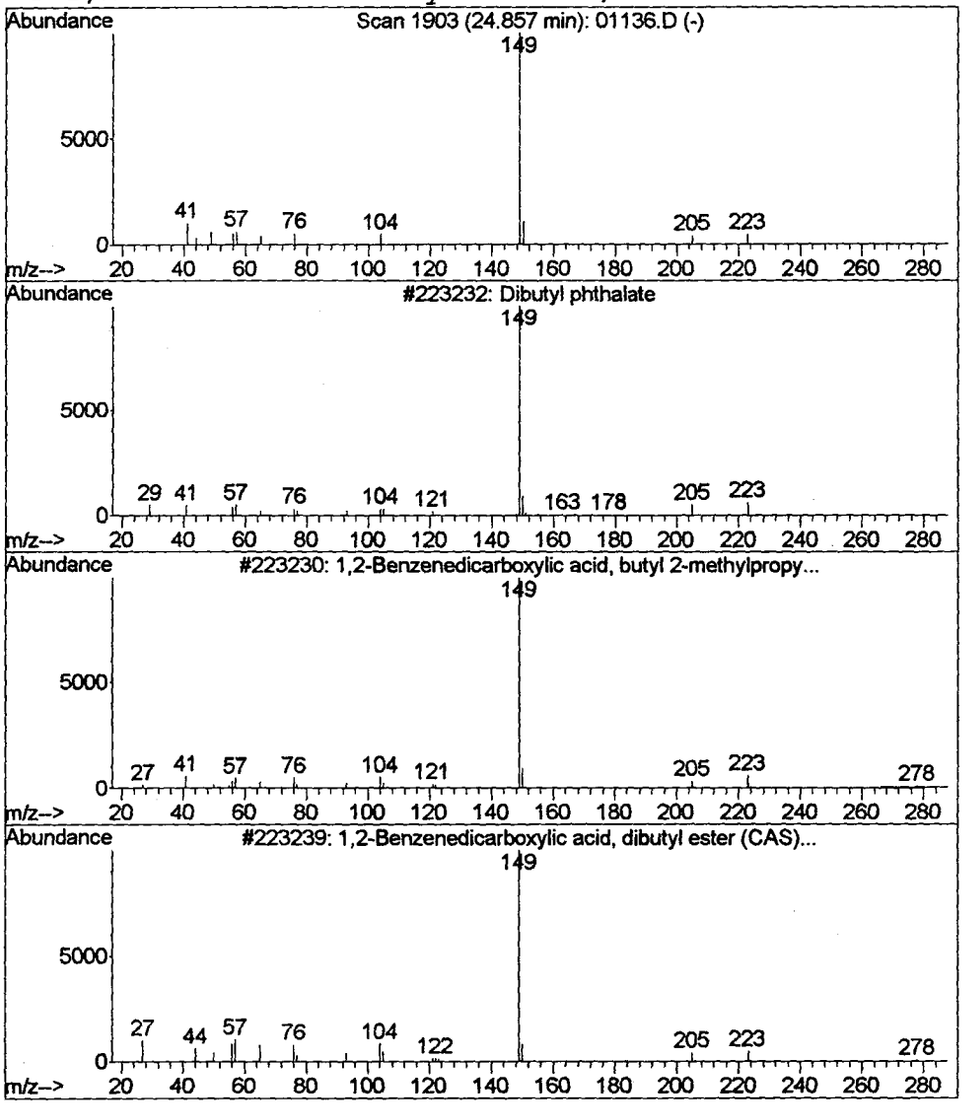
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

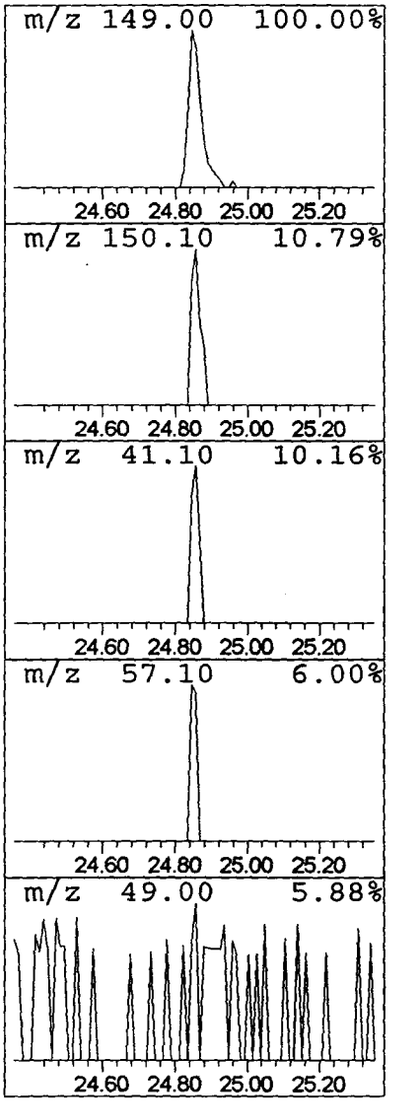
****

Peak Number 12 Dibutyl phthalate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.86	0.08 ug/L	50916	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	83
2	1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	83
3	1,2-Benzenedicarboxylic acid, di...	278	C16H22O4	000084-74-2	83
4	1,2-Benzenedicarboxylic acid, di...	278	C16H22O4	000084-74-2	83





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 25 Feb 2002 12:53 pm
Data File: C:\MSDCHEM\1\5973N\02FEB25\01136.D
Name: 508 scan
Misc: February 25, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Acetonitrile, dic...	3.51	0.2	ug/L	62165	1	9.72	8214500	20.0
Butanoic acid, me...	3.63	0.2	ug/L	66477	1	9.72	8214500	20.0
ISOBUTYRALDEHYDE,...	3.94	0.1	ug/L	29247	1	9.72	8214500	20.0
1,3,5-Cycloheptat...	4.39	0.1	ug/L	33763	1	9.72	8214500	20.0
Hexanal	5.13	0.1	ug/L	21609	1	9.72	8214500	20.0
1-Propene-1-thiol	5.95	0.5	ug/L	206580	1	9.72	8214500	20.0
Cyclopentasiloxan...	12.54	0.2	ug/L	104521	2	13.20	11907800	20.0
Uracil, 5-ethyl- ...	13.38	0.1	ug/L	55873	2	13.20	11907800	20.0
2H-Pyran-5-carbox...	16.55	0.0	ug/L	23269	3	18.33	12743600	20.0
3H-1,2-Dithiole-3...	18.74	0.0	ug/L	22782	3	18.33	12743600	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	76734	4	22.63	13357100	20.0
Dibutyl phthalate	24.86	0.1	ug/L	50916	4	22.63	13357100	20.0