User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/28/2002 Time: 17:13:15

Sample: AE03617
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/28/02 17:13 Ended: 3/28/02 17:13 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		5.0

Comments for Sample AE03617 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-28-2002 Time: 17:13:49

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 6 of the 43 compounds in the LCS Standard were high.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 15 10:05:22 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 : HP022102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	2039629	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	8704676	20.00	ug/L	0.00
17) Acenaphthene-d10	18.33	164	4337042	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	7085162	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	5511021	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	3661368	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	464877	4.92	ug/L	0.00
Spiked Amount 5.000			Recovery =	98.40%		
Target Compounds						Qvalue
20) Dimethylphthalate	18.33	163	689707	2.62	ug/L #	58
21) 2,6-Dinitrotoluene	18.33	165	556180	9.15	ug/L #	27
42) Bis(2-ethylhexyl)phthalate	31.09	149	60531	0.26	ug/L	94

(#) = qualifier out of range (m) = manual integration
03517.D HP022102.M Fri Mar 15 10:05:23 2002 Page 1

Quantitation Report (Not Reviewed)

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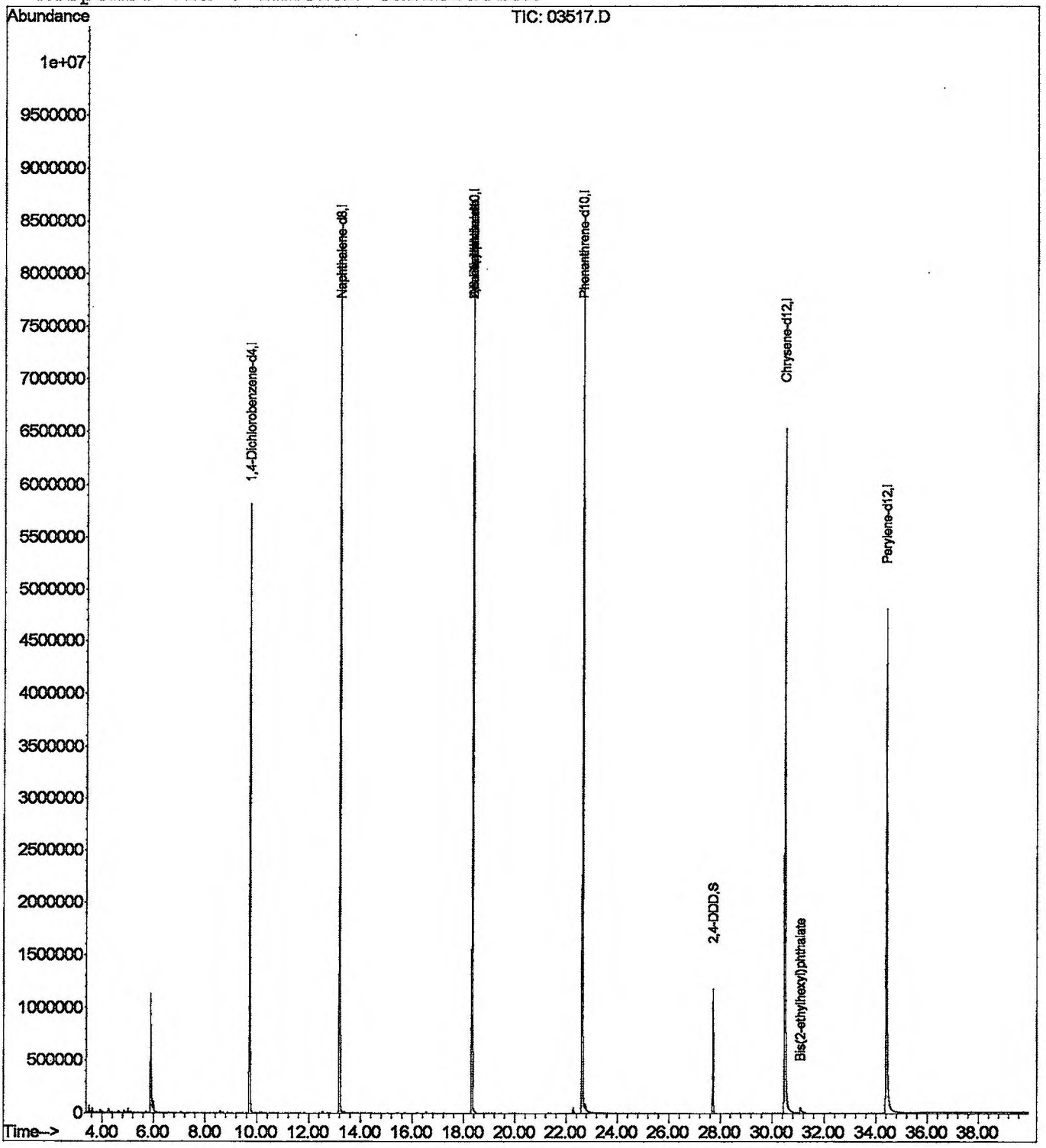
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 15 10:05 2002 Quant Results File: HP022102.R

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\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 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

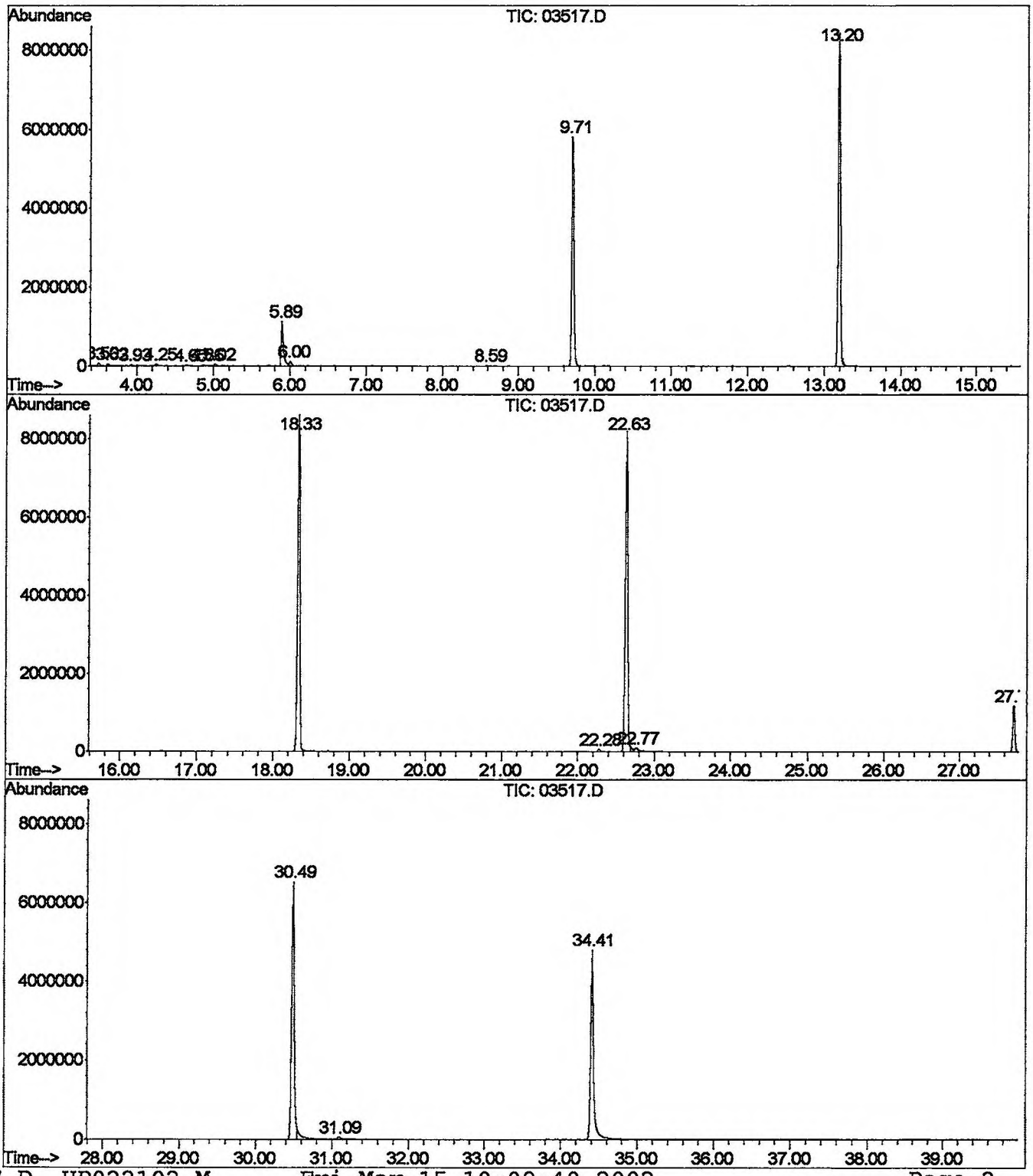
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.498	9	11	15	rVB	68593	96835	0.52%	0.098%
2	3.622	19	22	25	rBV	44096	79543	0.43%	0.081%
3	3.927	47	49	53	rBV	29688	44222	0.24%	0.045%
4	4.254	75	78	85	rVV4	36705	86192	0.47%	0.088%
5	4.649	103	113	121	rBV5	18125	72981	0.40%	0.074%
6	4.864	127	132	137	rBV2	24936	70434	0.38%	0.072%
7	5.022	143	146	151	rVV	41671	74638	0.40%	0.076%
8	5.891	219	223	231	rBV	1126737	2241864	12.15%	2.278%
9	6.004	231	233	239	rVB	102311	197028	1.07%	0.200%
10	8.589	459	462	469	rVV2	22157	50378	0.27%	0.051%
11	9.707	557	561	567	rBV	5819967	11580178	62.73%	11.768%
12	13.195	865	870	875	rBV	8420770	16749380	90.74%	17.021%
13	18.332	1319	1325	1331	rBV	8619603	17763404	96.23%	18.052%
14	22.283	1671	1675	1681	rBV	55016	116175	0.63%	0.118%
15	22.633	1701	1706	1711	rBV2	8198303	18458958	100.00%	18.759%
16	22.768	1715	1718	1739	rVB2	88670	357488	1.94%	0.363%
17	27.724	2151	2157	2161	rBV	1174105	2289859	12.41%	2.327%
18	30.490	2395	2402	2407	rBV	6526152	15243289	82.58%	15.491%
19	31.088	2451	2455	2479	rVB	54419	230834	1.25%	0.235%
20	34.407	2743	2749	2791	rVV	4801484	12599305	68.26%	12.804%

Sum of corrected areas: 98402985

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02MAR08\03617.D
Operator :
Acquired : 8 Mar 2002 8:31 pm using AcqMethod HP022102
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : March 8, 2002
Vial Number: 7
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03617.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

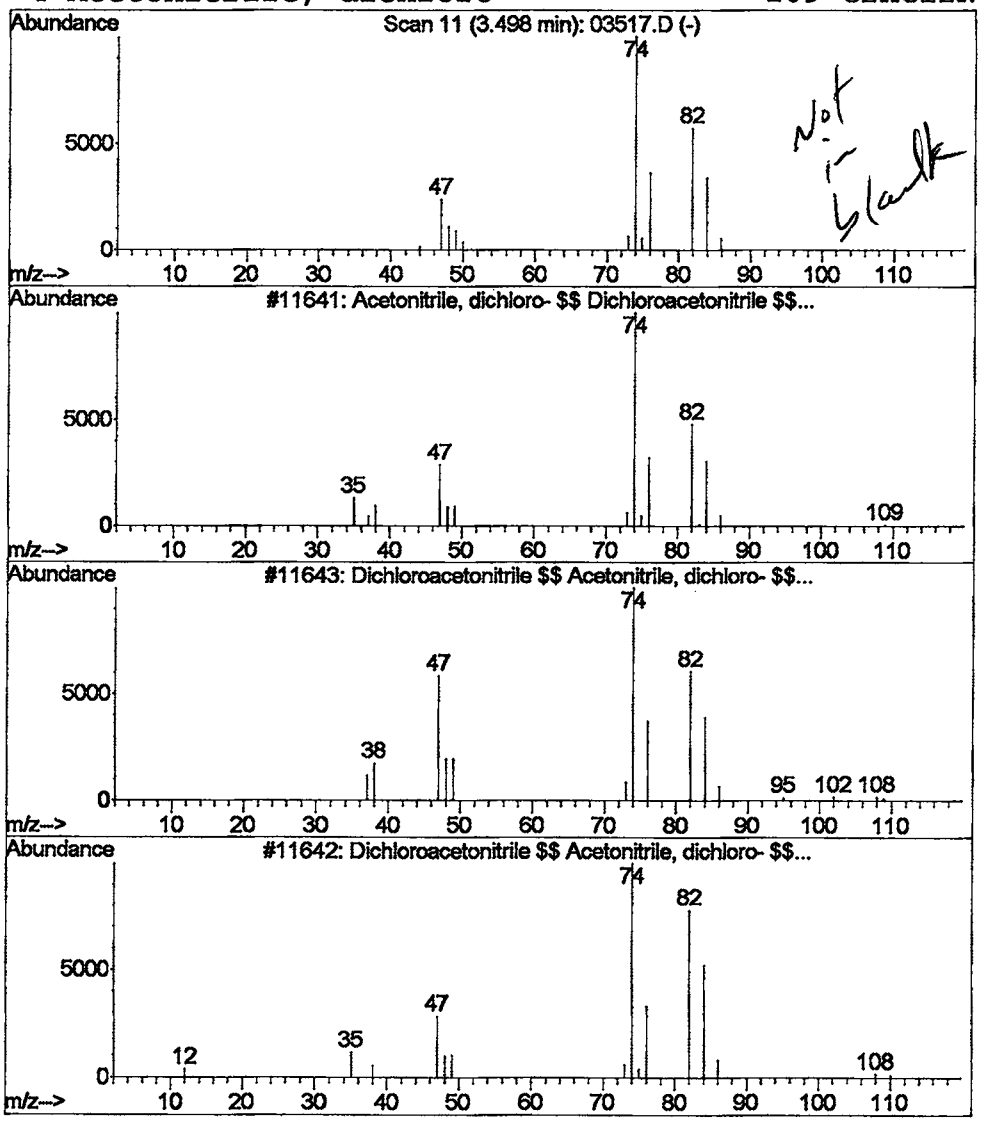
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

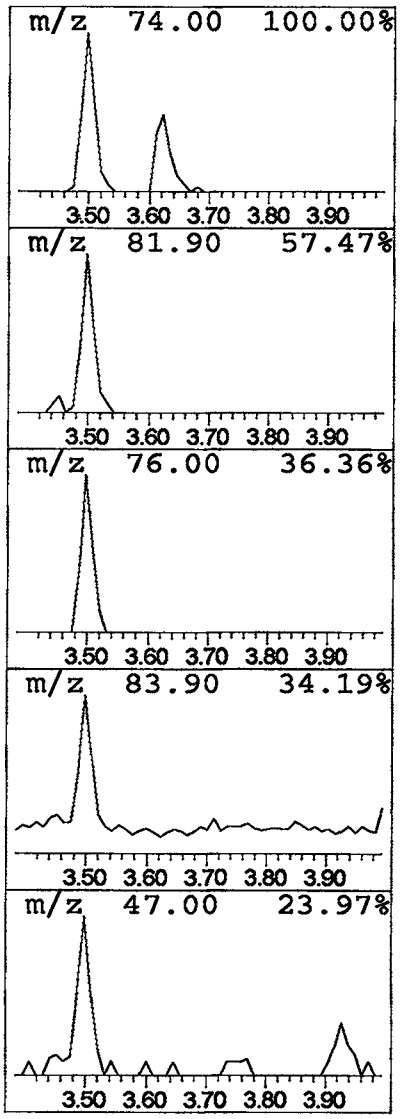
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	0.17 ug/L	96835	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	90
2	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
4	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

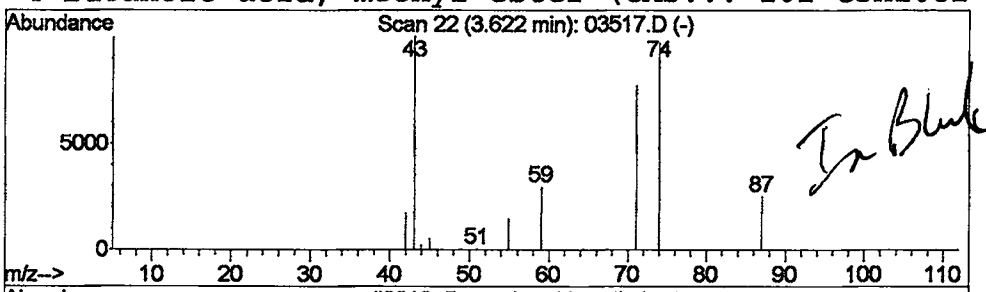
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

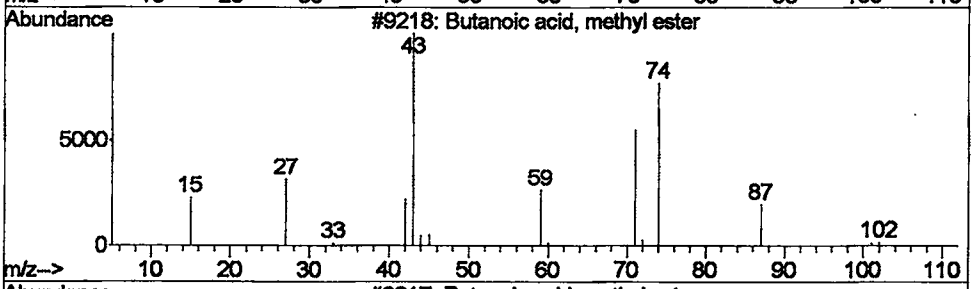
****

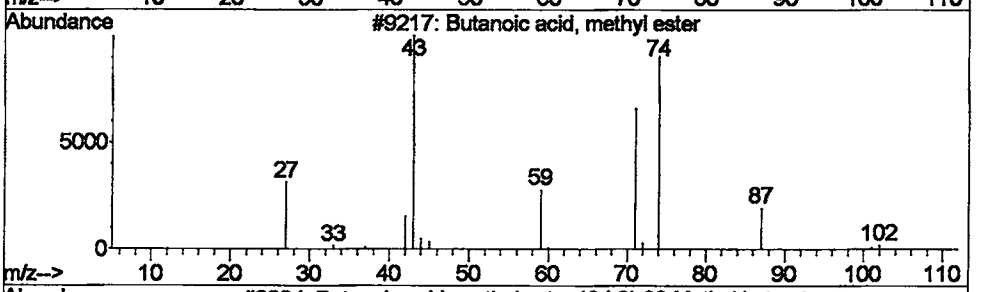
Peak Number 2 Butanoic acid, methyl ester Concentration Rank 6

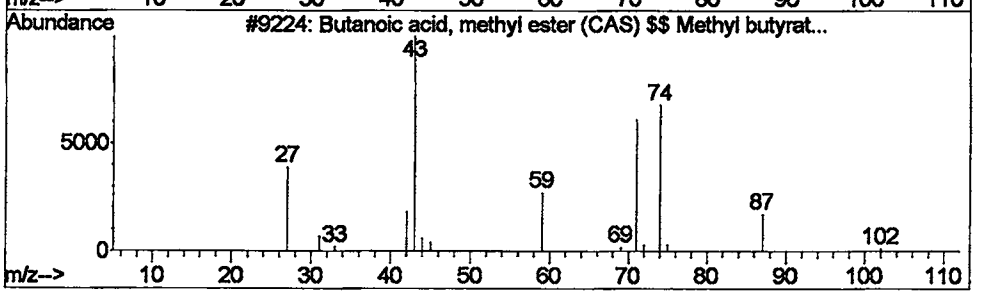
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.14 ug/L	79543	1,4-Dichlorobenzene-d4	9.72

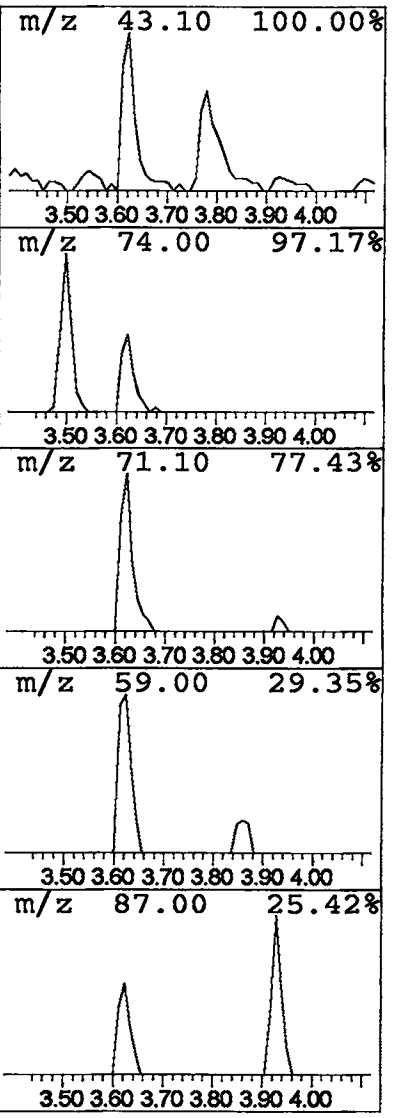
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03617.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

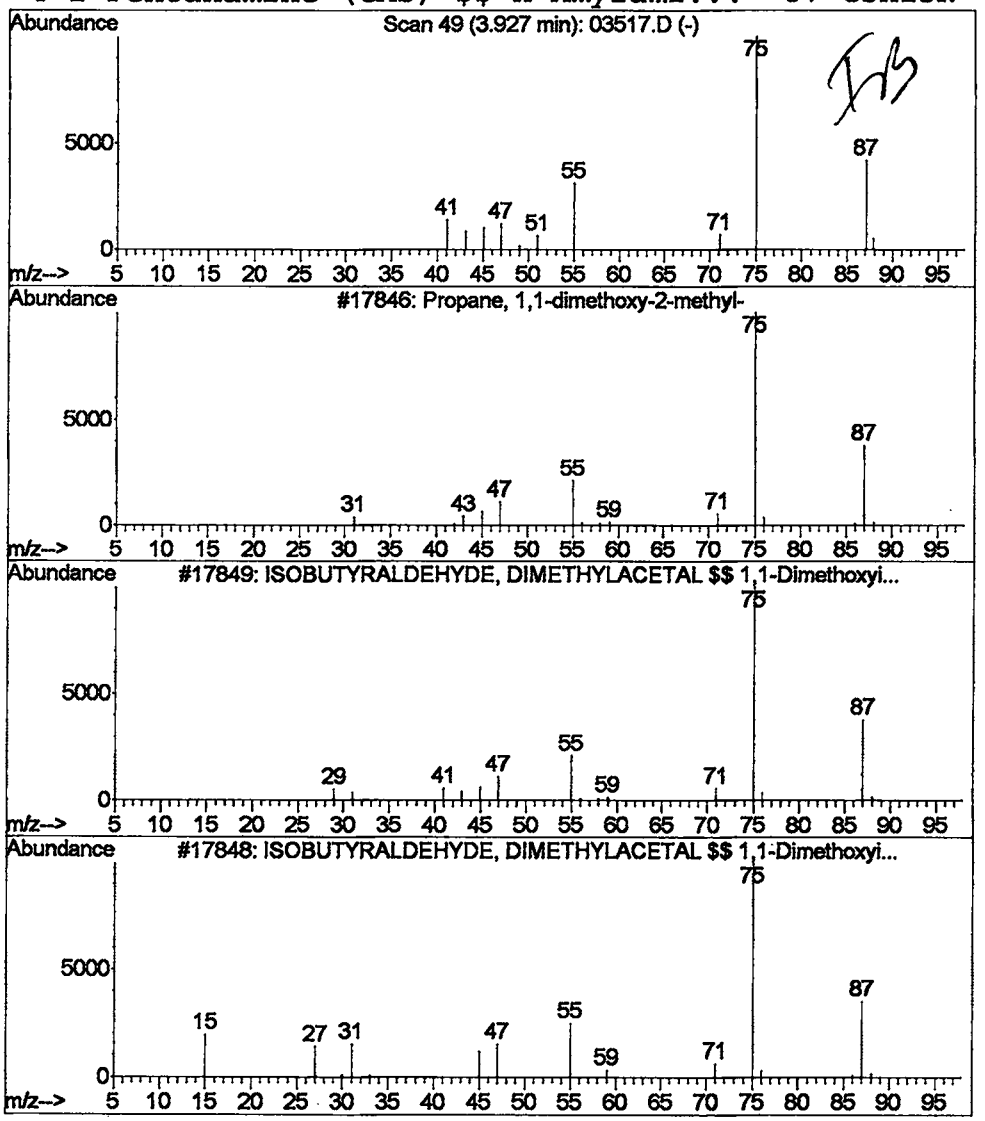
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

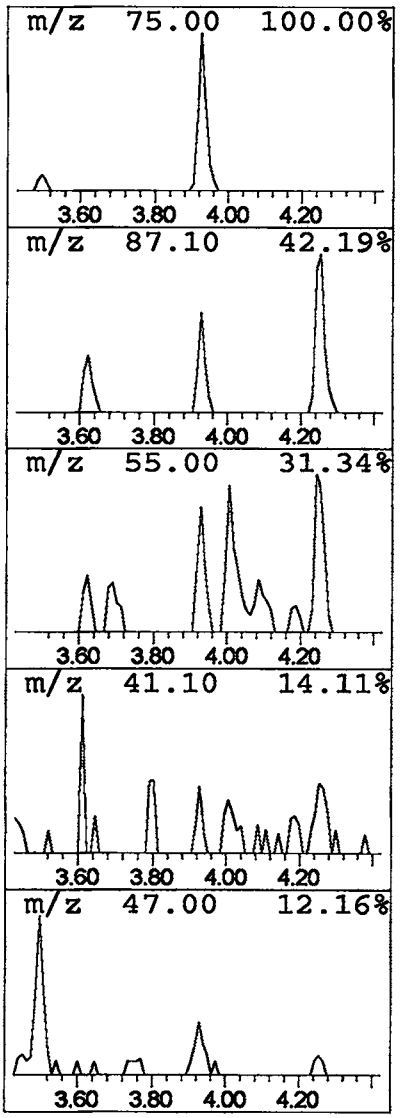
****

Peak Number 3 Propane, 1,1-dimethoxy-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.08 ug/L	44222	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	83
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64
4	1-Pentanamine (CAS) $$ n-Amylami...	87	C5H13N	000110-58-7	5





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Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

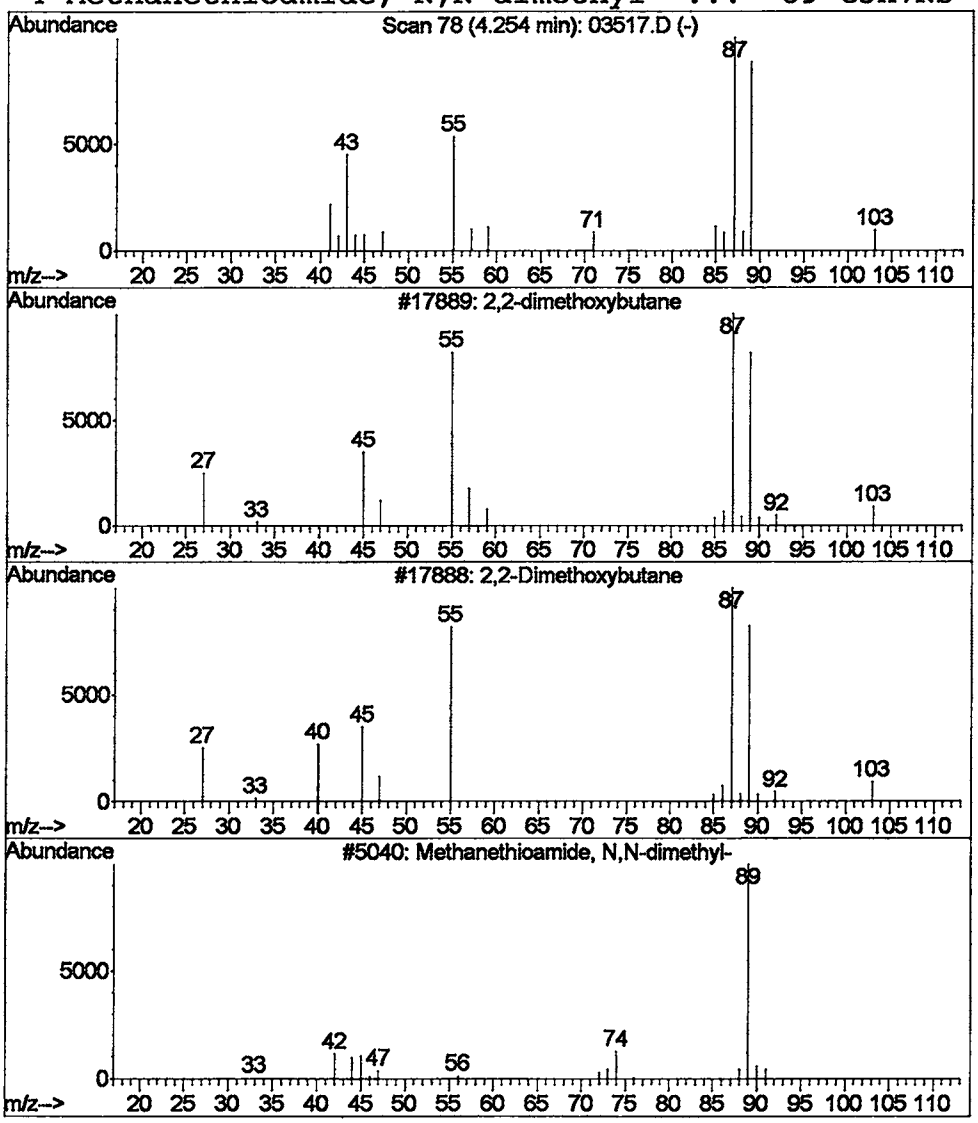
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

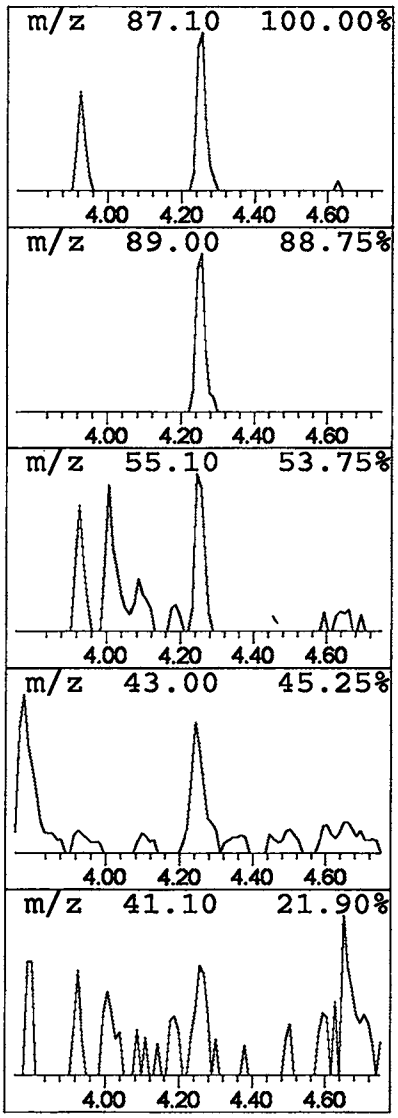
****

Peak Number 4 2,2-dimethoxybutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.15 ug/L	86192	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	74
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	64
3	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	42
4	Methanethioamide, N,N-dimethyl- ...	89	C3H7NS	000758-16-7	42





Library Search Compound Report

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Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

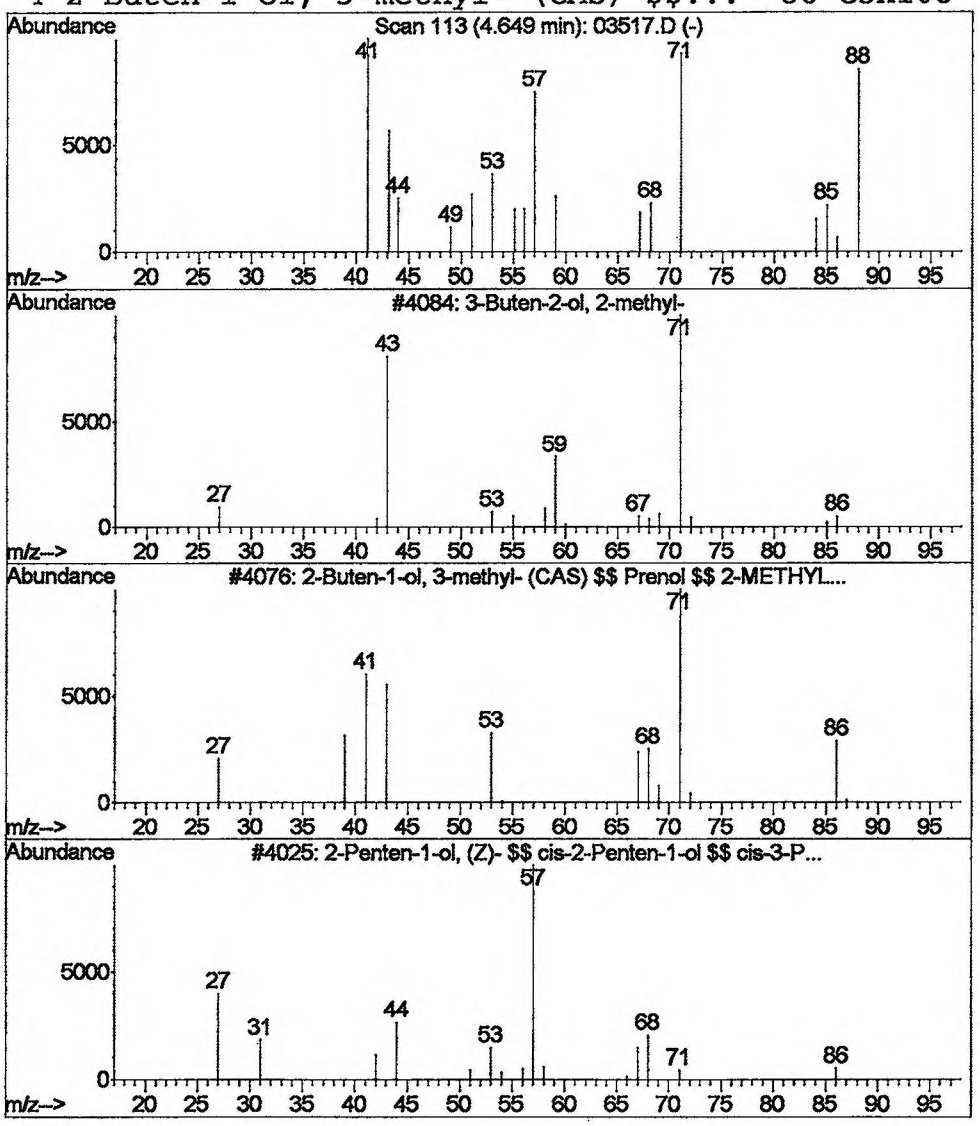
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

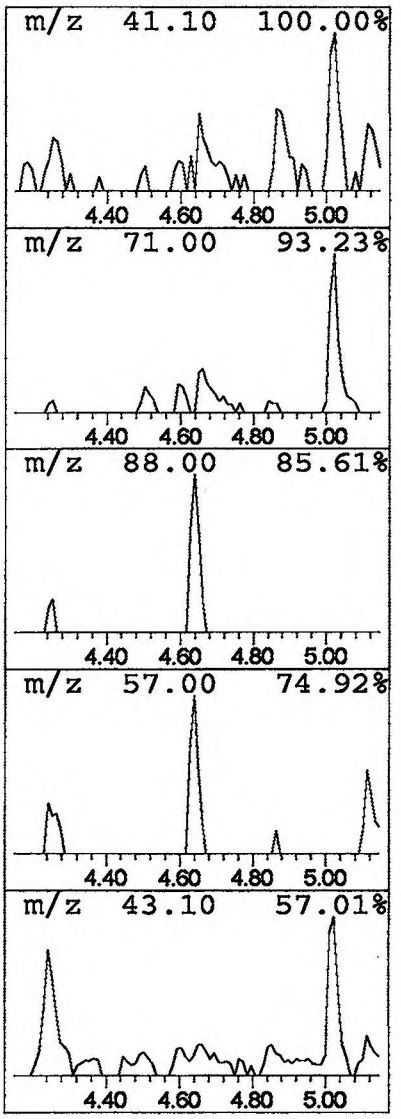
****

Peak Number 5 3-Buten-2-ol, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	0.13 ug/L	72981	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	12
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	12
3	2-Penten-1-ol, (Z)- $$ cis-2-Pen...:	86	C5H10O	001576-95-0	9
4	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	9





Library Search Compound Report

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Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
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Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
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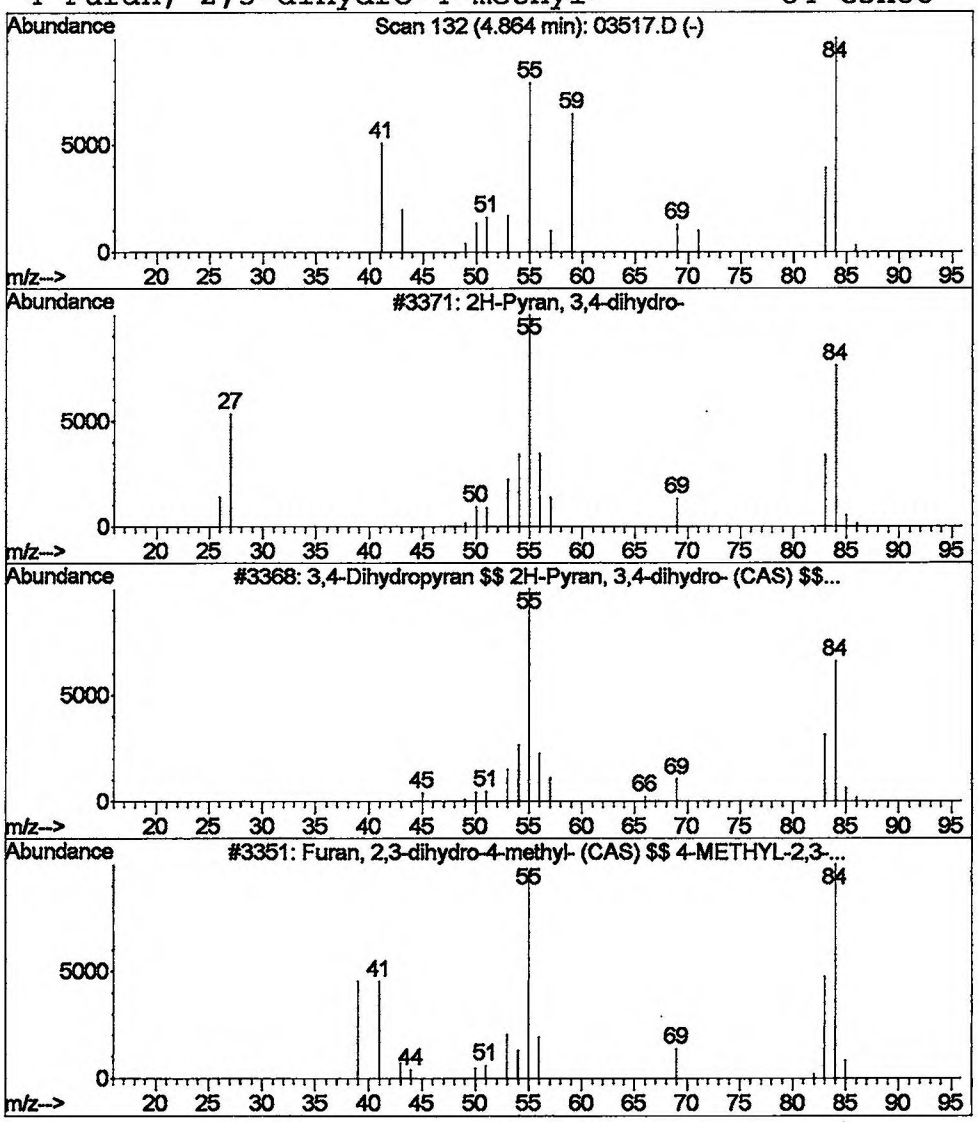
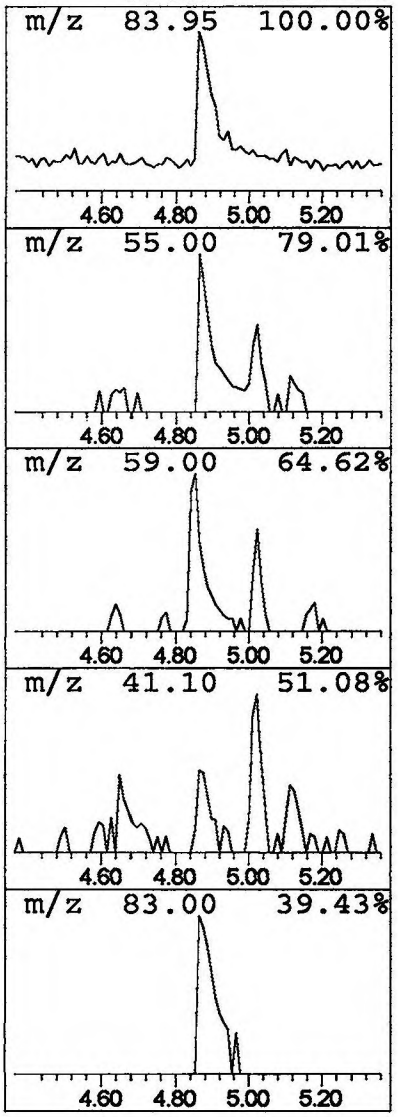
****

Peak Number 6 2H-Pyran, 3,4-dihydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	0.12 ug/L	70434	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	59
3	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	58
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	58





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

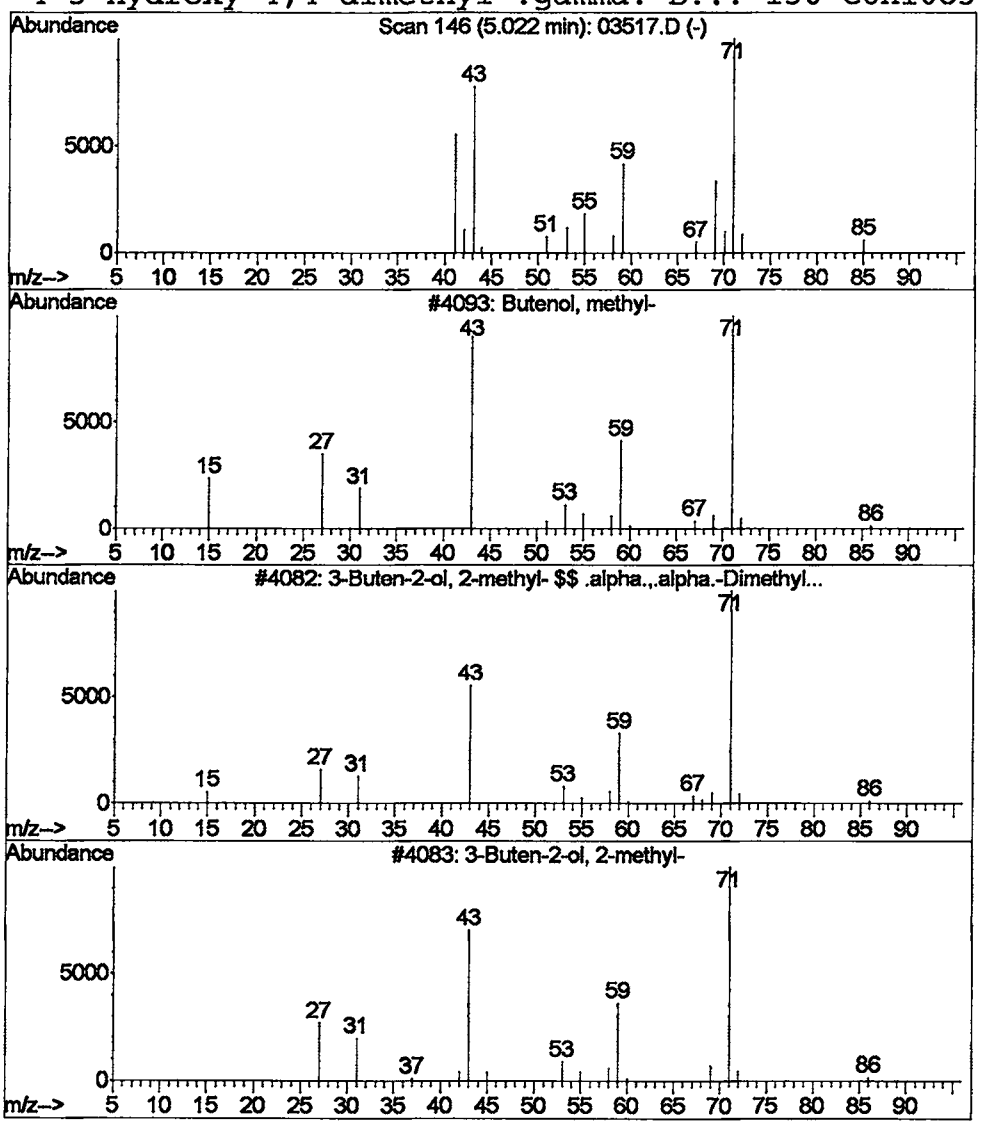
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

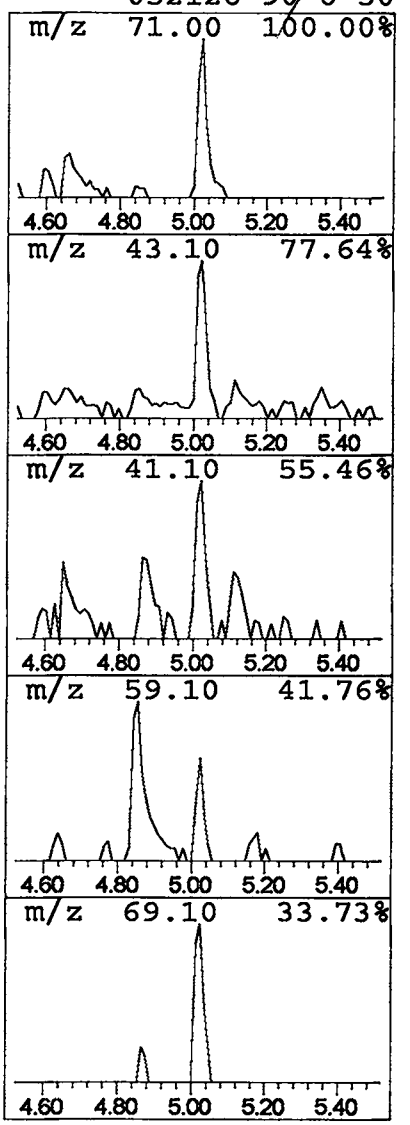
****

Peak Number 7 Butenol, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.13 ug/L	74638	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	72
2	3-Buten-2-ol, 2-methyl- $$ .alph...	86	C5H10O	000115-18-4	72
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	56
4	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	50





Library Search Compound Report

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Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
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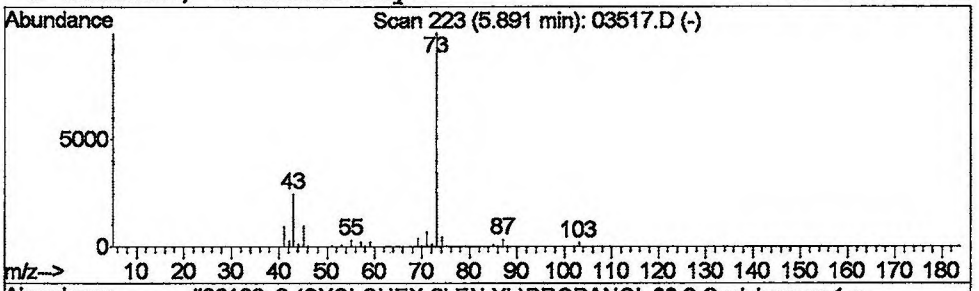
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

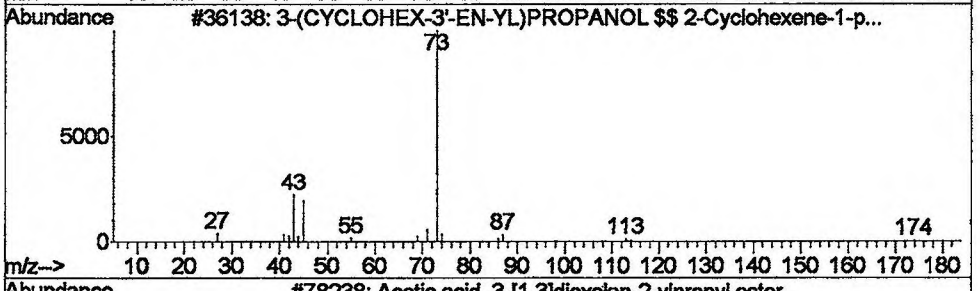
****

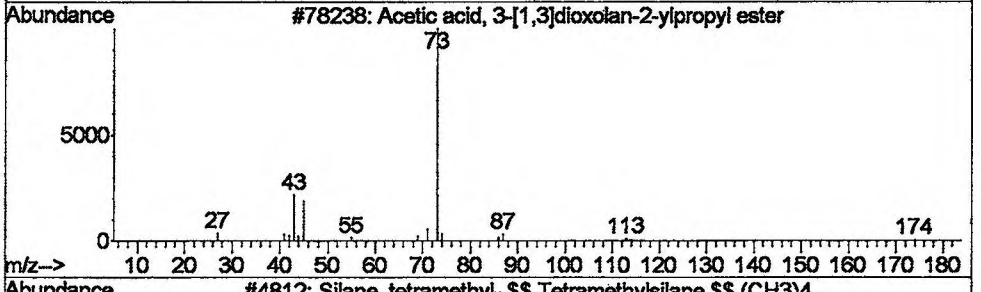
Peak Number 8 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

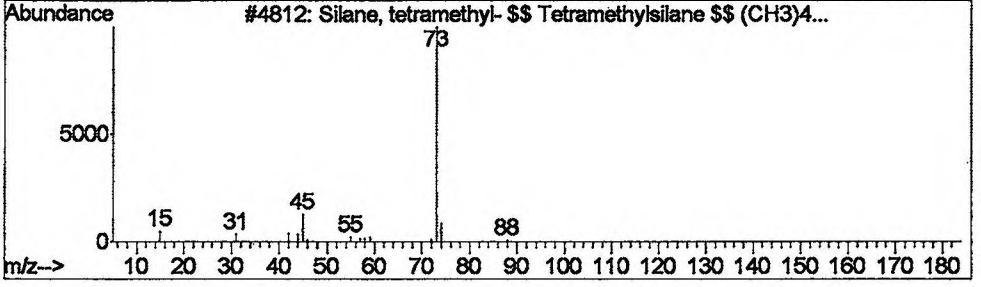
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.87 ug/L	2241860	1,4-Dichlorobenzene-d4	9.72

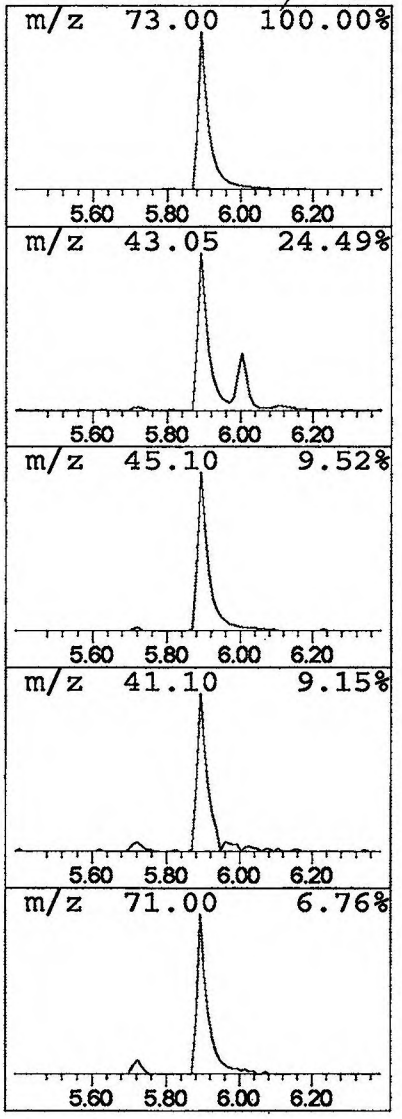
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	28
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

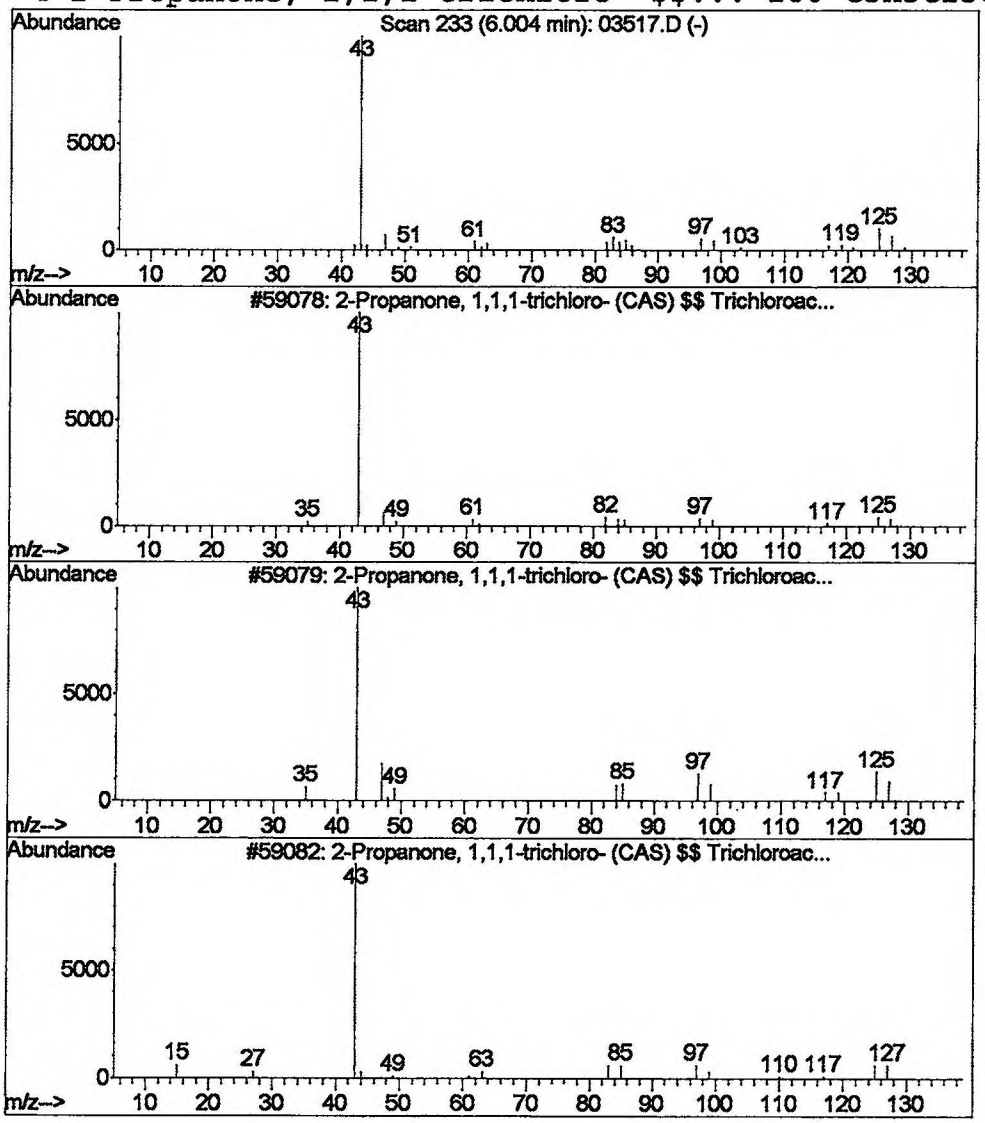
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

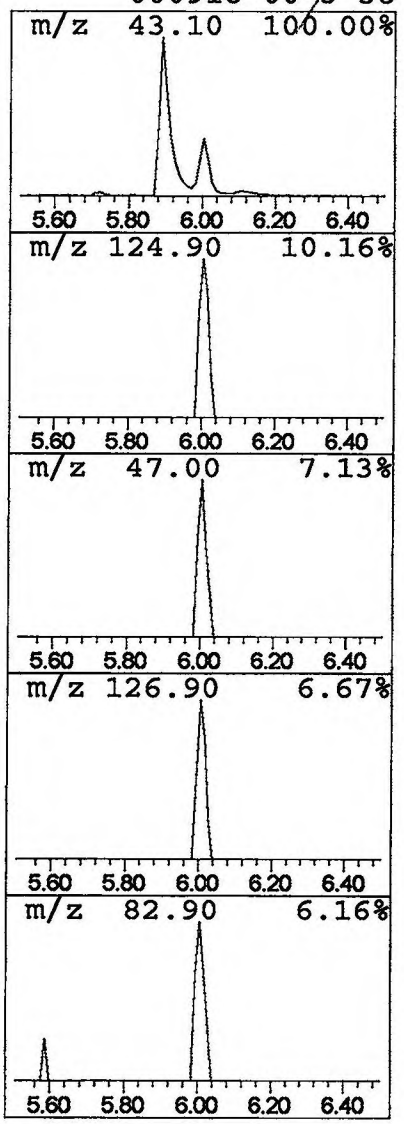
****

Peak Number 9 2-Propanone, 1,1,1-trichlor... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.34 ug/L	197028	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	56
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	45
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	45
4	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03617.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 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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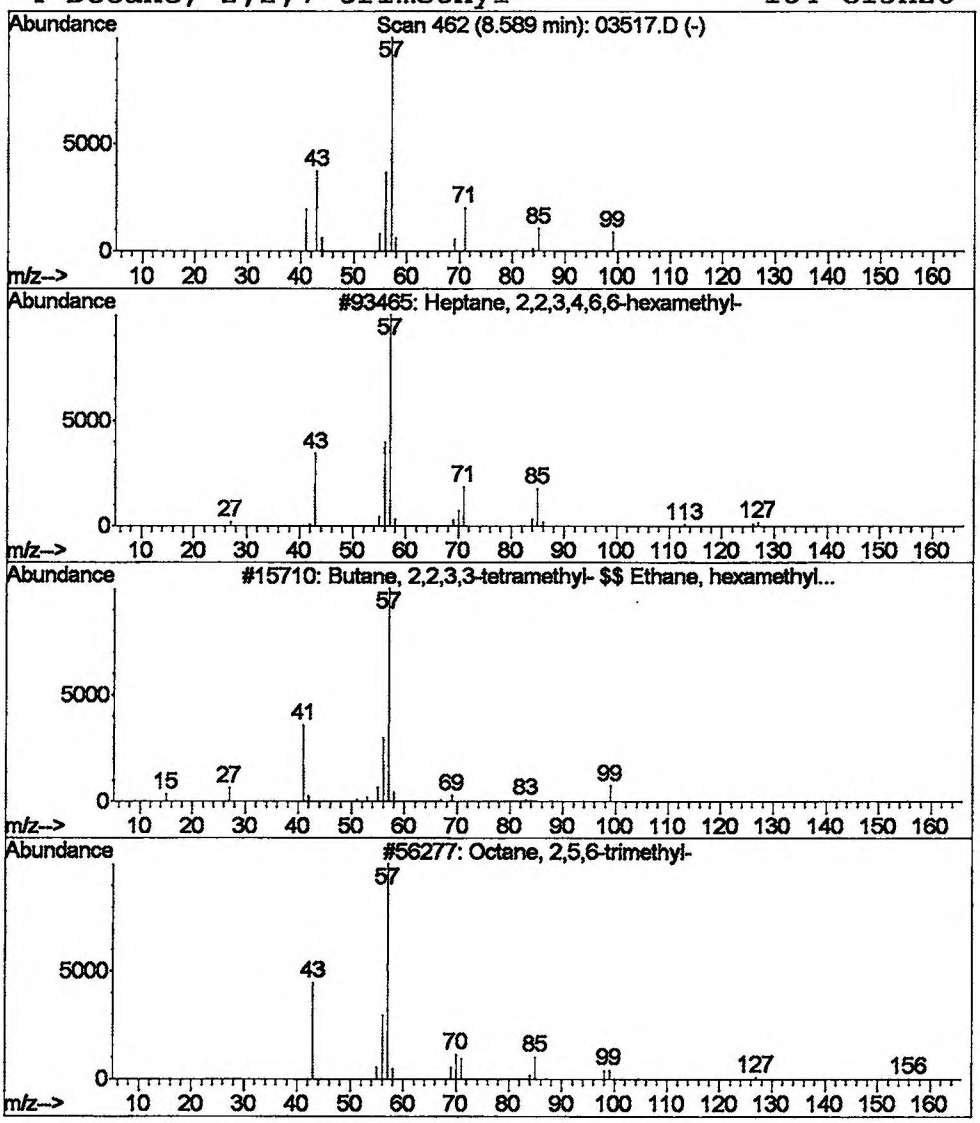
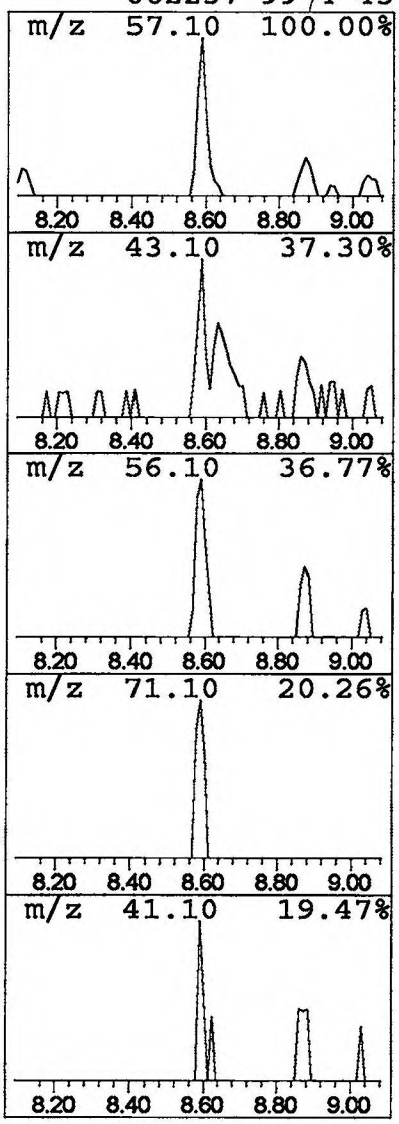
Peak Number 10 Heptane, 2,2,3,4,6,6-hexame... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	0.09 ug/L	50378	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,4,6,6-hexamethyl-	184	C13H28	062108-32-1	50
2	Butane, 2,2,3,3-tetramethyl- $$ ...	114	C8H18	000594-82-1	50
3	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	50
4	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 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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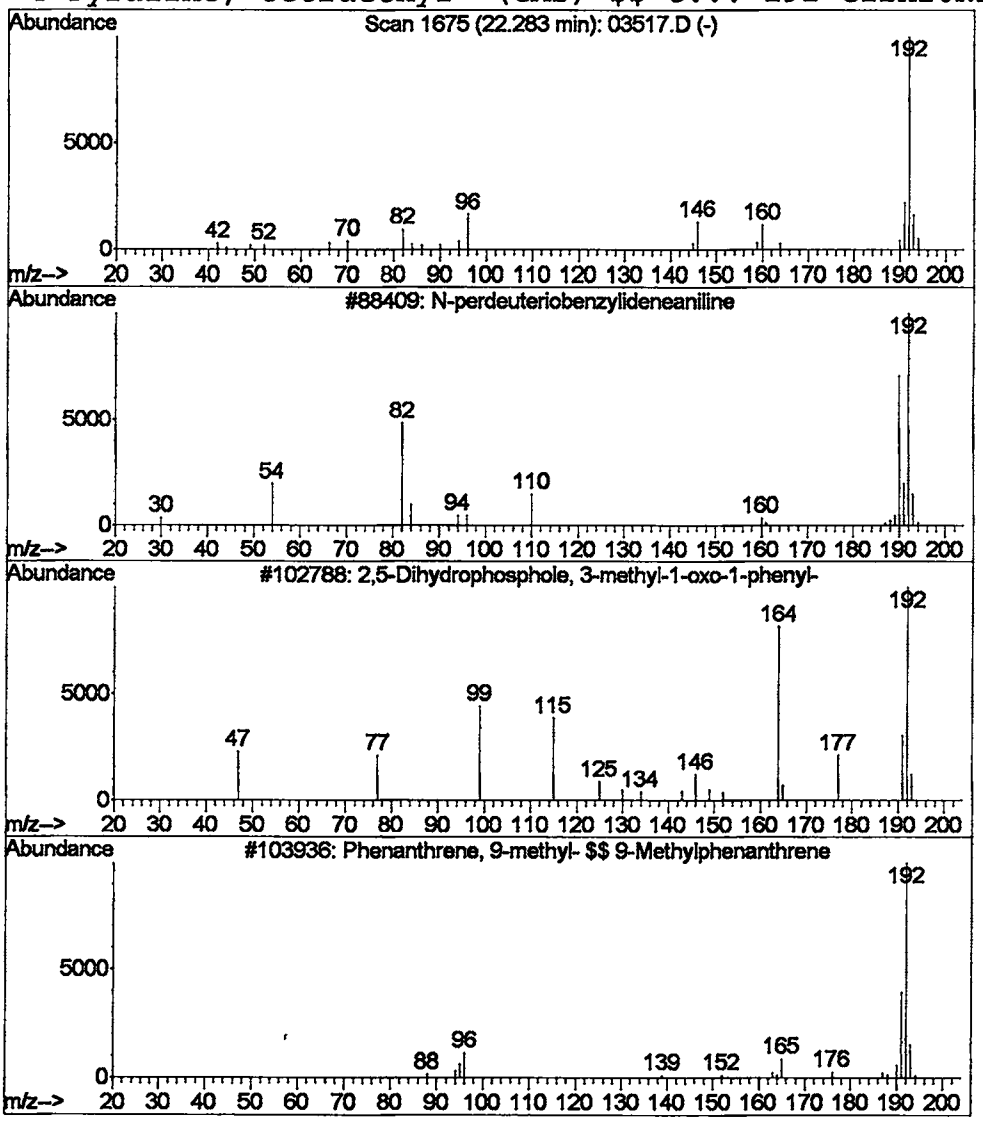
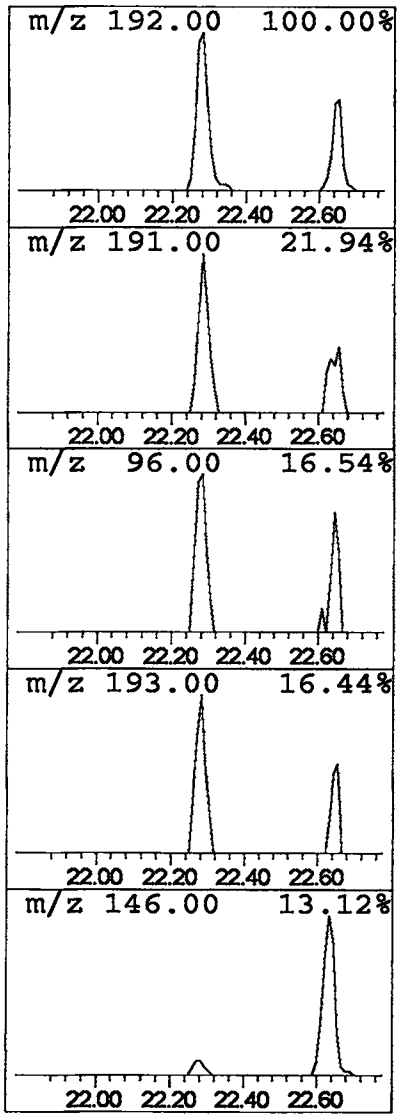
Peak Number 11 N-perdeuteriobenzylideneani... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	116175	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	000000-00-0	53
3	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	50
4	Pyrazine, tetraethyl- (CAS) $$ t...	192	C12H20N2	038325-19-8	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03517.D Vial: 7
Acq On : 8 Mar 2002 8:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 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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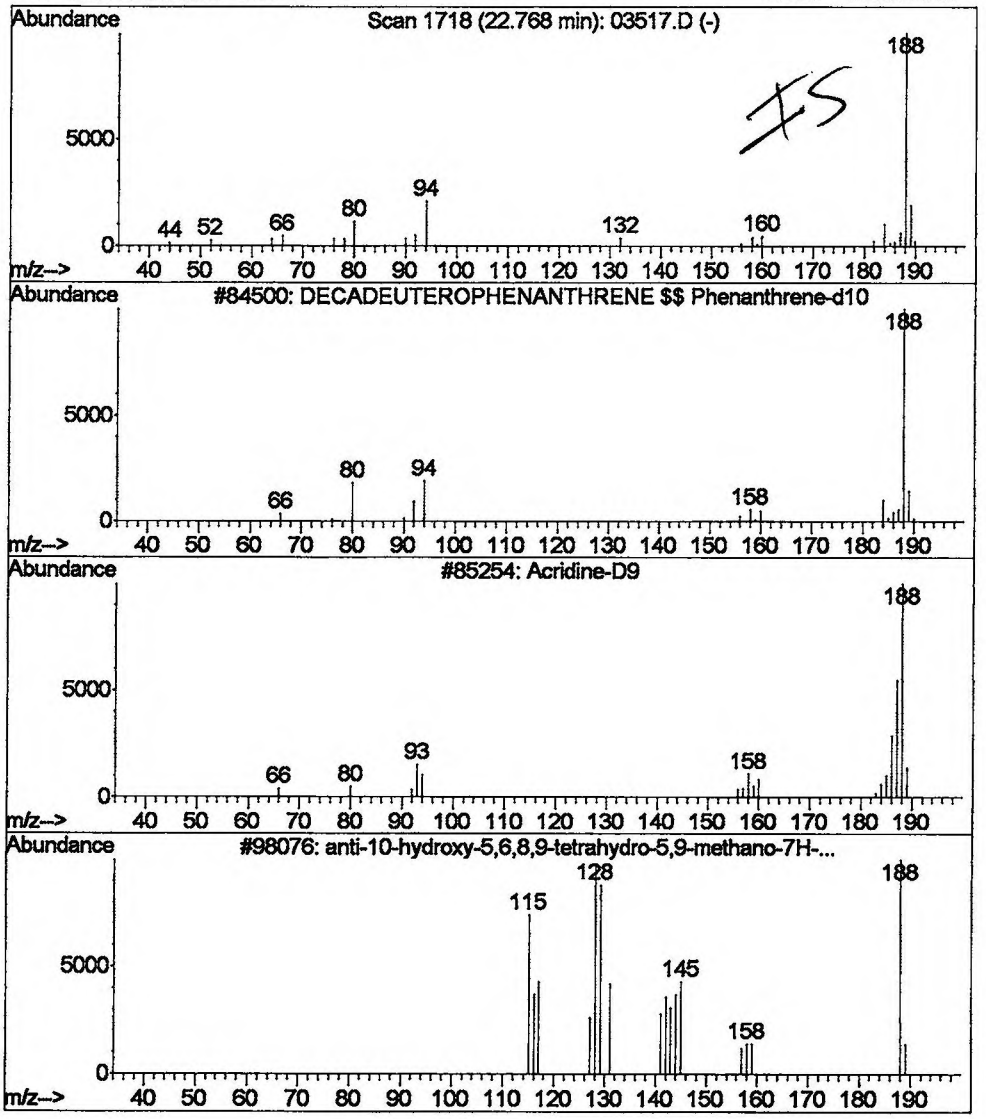
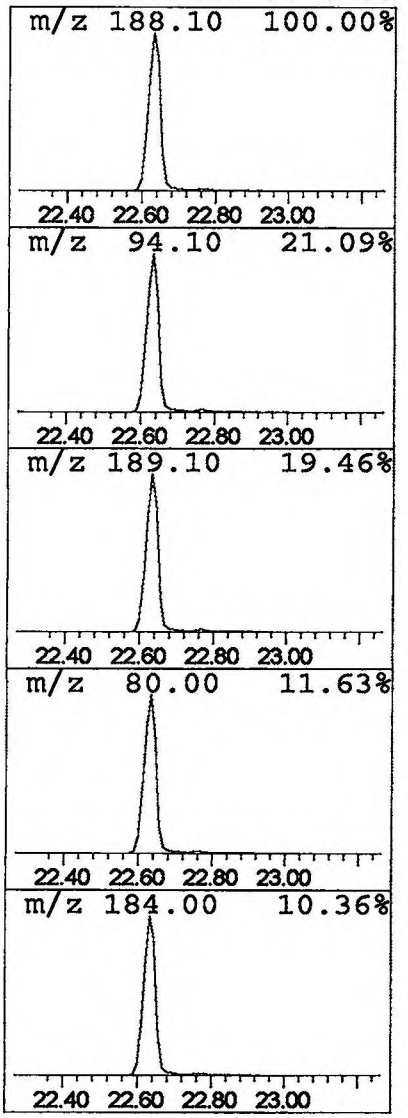
Peak Number 12 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.39 ug/L	357488	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	80
2	Acridine-D9	188	C13D9N	000000-00-0	64
3	anti-10-hydroxy-5,6,8,9-tetrahyd...	188	C12H12O2	055139-53-2	58
4	Acridine-D9	188	C13D9N	000000-00-0	50





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Mar 2002 8:31 pm
Data File: C:\MSDCHEM\1\5973N\02MAR08\03617.D
Name: 508 scan
Misc: March 8, 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...	3.50	0.2	ug/L	96835	1	9.72	11580200	20.0
Butanoic acid, me...	3.62	0.1	ug/L	79543	1	9.72	11580200	20.0
Propane, 1,1-dime...	3.93	0.1	ug/L	44222	1	9.72	11580200	20.0
2,2-dimethoxybutane	4.25	0.1	ug/L	86192	1	9.72	11580200	20.0
3-Buten-2-ol, 2-m...	4.65	0.1	ug/L	72981	1	9.72	11580200	20.0
2H-Pyran, 3,4-dih...	4.86	0.1	ug/L	70434	1	9.72	11580200	20.0
Butenol, methyl-	5.02	0.1	ug/L	74638	1	9.72	11580200	20.0
3-(CYCLOHEX-3'-EN...	5.89	3.9	ug/L	2241860	1	9.72	11580200	20.0
2-Propanone, 1,1,...	6.00	0.3	ug/L	197028	1	9.72	11580200	20.0
Heptane, 2,2,3,4,...	8.59	0.1	ug/L	50378	1	9.72	11580200	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	116175	4	22.63	18459000	20.0
DECADEUTEROPHENAN...	22.77	0.4	ug/L	357488	4	22.63	18459000	20.0