User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/01/2002 Time: 14:21:09

Sample: AE00613
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/1/02 14:20 Ended: 2/1/02 14:20 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		92		5.0

Comments for Sample AE00613 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-01-2002 Time: 15:11:19

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 5 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 30 08:25:55 2002 Quant Results File: SCAN508.RES

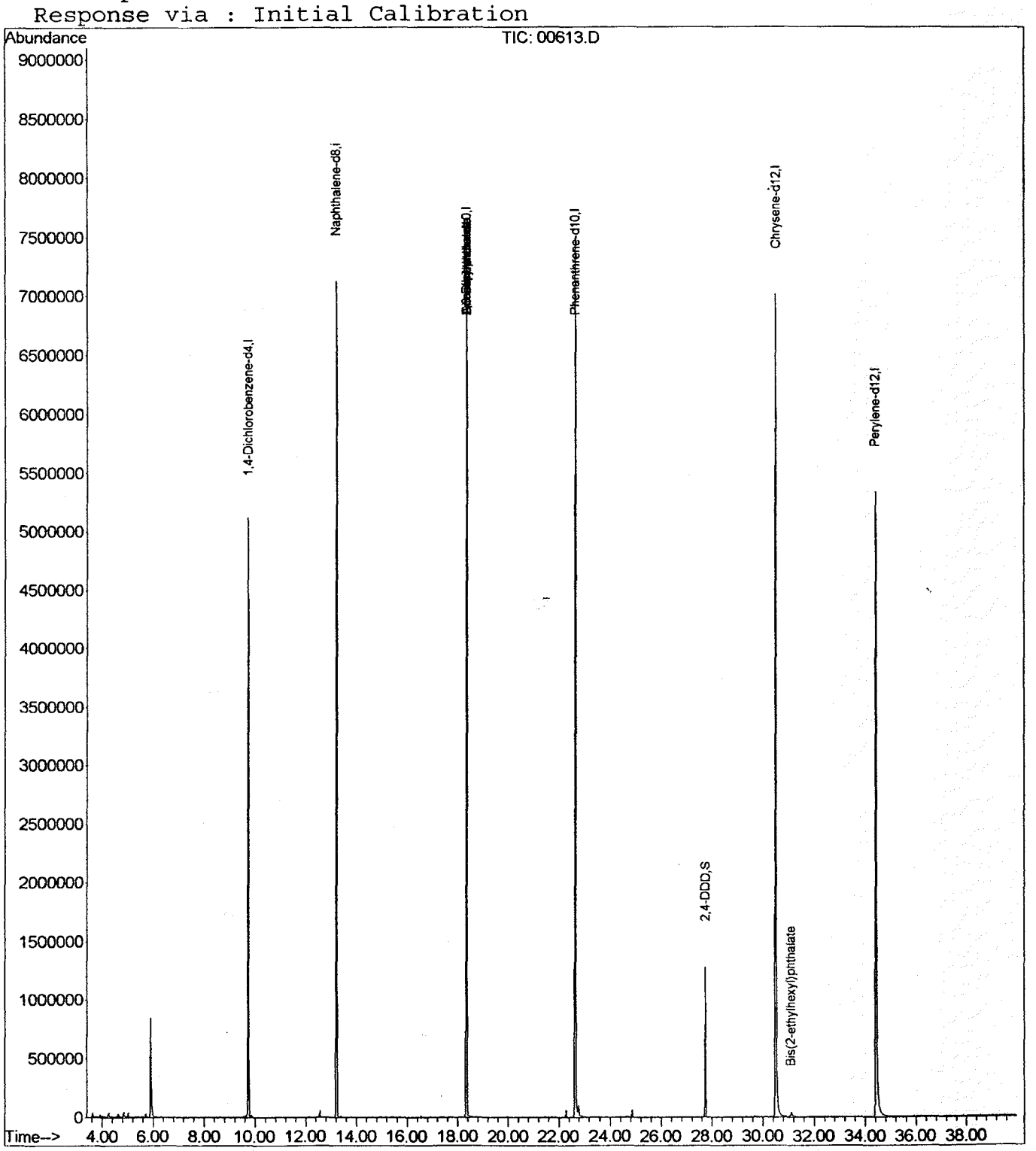
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1779352	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	7477289	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3753929	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	6363722	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	6102984	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	4622208	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	460627	4.58	ug/L	0.00
Spiked Amount 5.000			Recovery = 91.60%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	605882	2.44	ug/L #	57
21) 2,6-Dinitrotoluene	18.34	165	474843	9.82	ug/L #	17
42) Bis(2-ethylhexyl)phthalate	31.11	149	65083	0.76	ug/L	98

(#) = qualifier out of range (m) = manual integration
00613.D SCAN508.M Wed Jan 30 08:25:56 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 30 8:25 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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

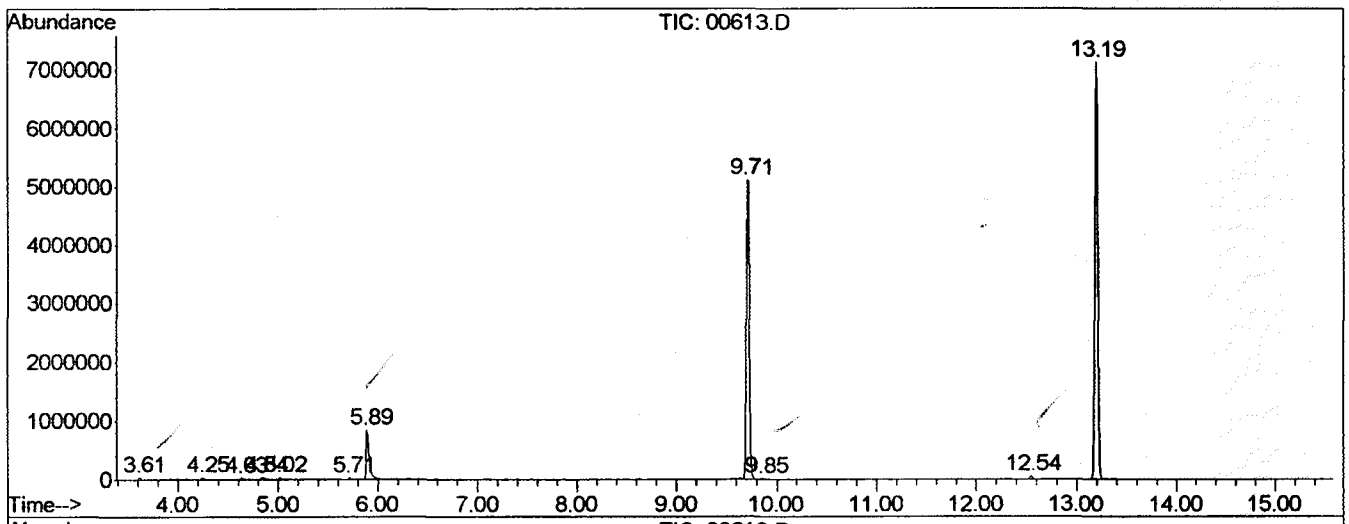
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.614	17	21	25	rBV	42007	59435	0.34%	0.062%
2	4.253	73	77	85	rVB3	38534	87140	0.50%	0.091%
3	4.630	103	110	119	rVV3	29269	72025	0.41%	0.075%
4	4.835	123	128	141	rVV2	43631	115376	0.66%	0.121%
5	5.018	141	144	151	rVB	41417	71248	0.41%	0.075%
6	5.714	201	205	209	rBV	33760	54797	0.31%	0.057%
7	5.885	217	220	241	rBV	843472	1795746	10.22%	1.882%
8	9.710	551	555	561	rVV	5117875	10274472	58.45%	10.766%
9	9.847	561	567	577	rVV2	22031	83995	0.48%	0.088%
10	12.542	799	803	807	rVV	59406	97365	0.55%	0.102%
11	13.192	855	860	865	rBV	7122527	14399584	81.92%	15.088%
12	18.341	1305	1311	1315	rBV	7589903	15265608	86.85%	15.995%
13	22.280	1651	1656	1661	rBV	65177	123610	0.70%	0.130%
14	22.645	1681	1688	1693	rBV2	7488601	16872527	95.99%	17.679%
15	22.771	1697	1699	1719	rVB	100506	304745	1.73%	0.319%
16	24.849	1877	1881	1887	rVB	65386	123585	0.70%	0.129%
17	27.726	2129	2133	2139	rVV	1279288	2258838	12.85%	2.367%
18	30.500	2369	2376	2381	rBV2	7009227	17577848	100.00%	18.418%
19	31.105	2421	2429	2457	rVB3	44237	239185	1.36%	0.251%
20	34.416	2713	2719	2745	rBV	5324245	15560667	88.52%	16.305%

Sum of corrected areas: 95437796

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN29\00613.D
Operator :
Acquired : 29 Jan 2002 3:25 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 29, 2002
Vial Number: 2
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

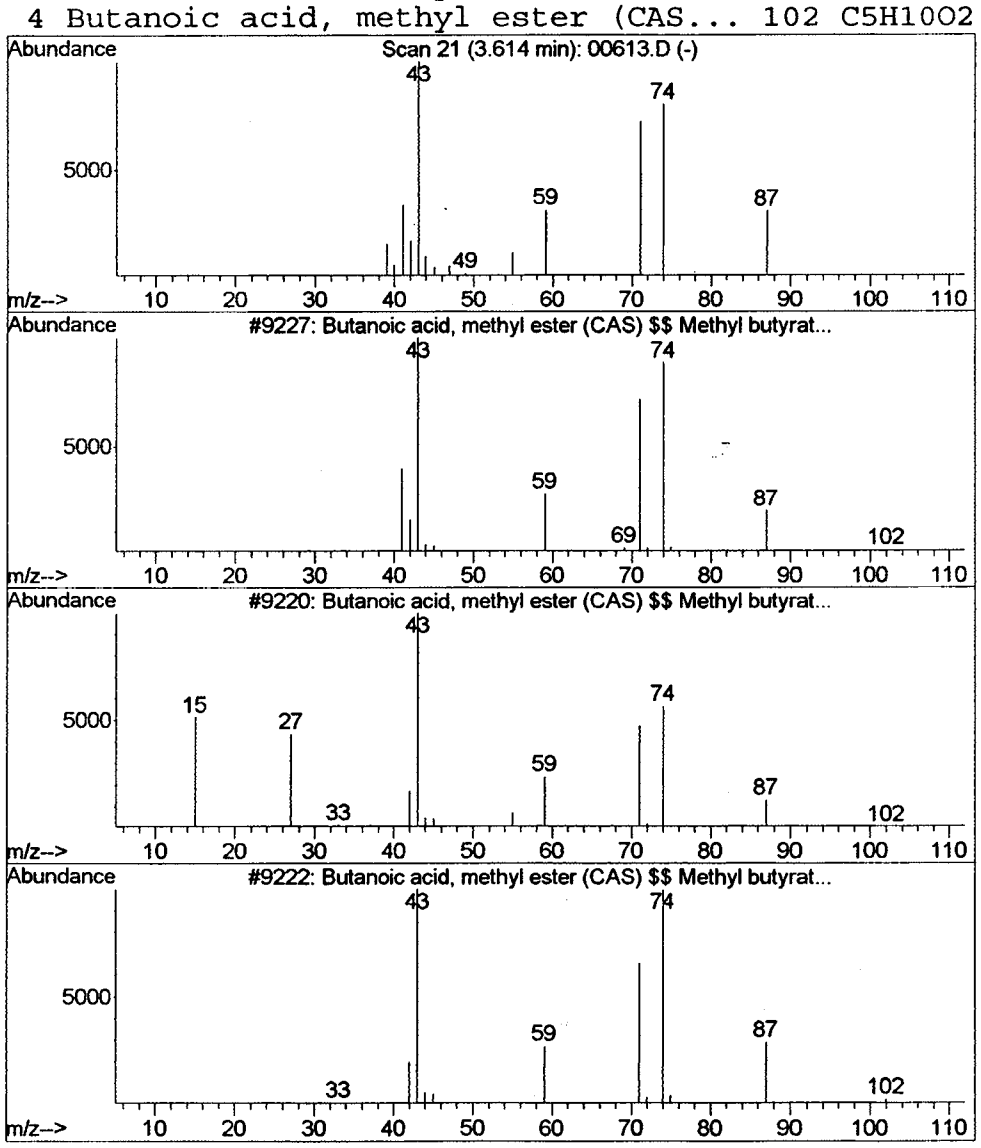
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

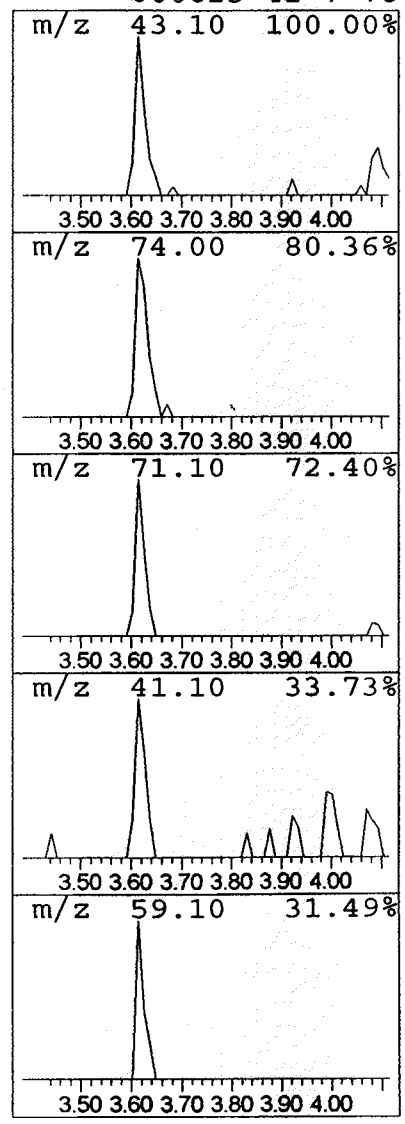
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.12 ug/L	59435	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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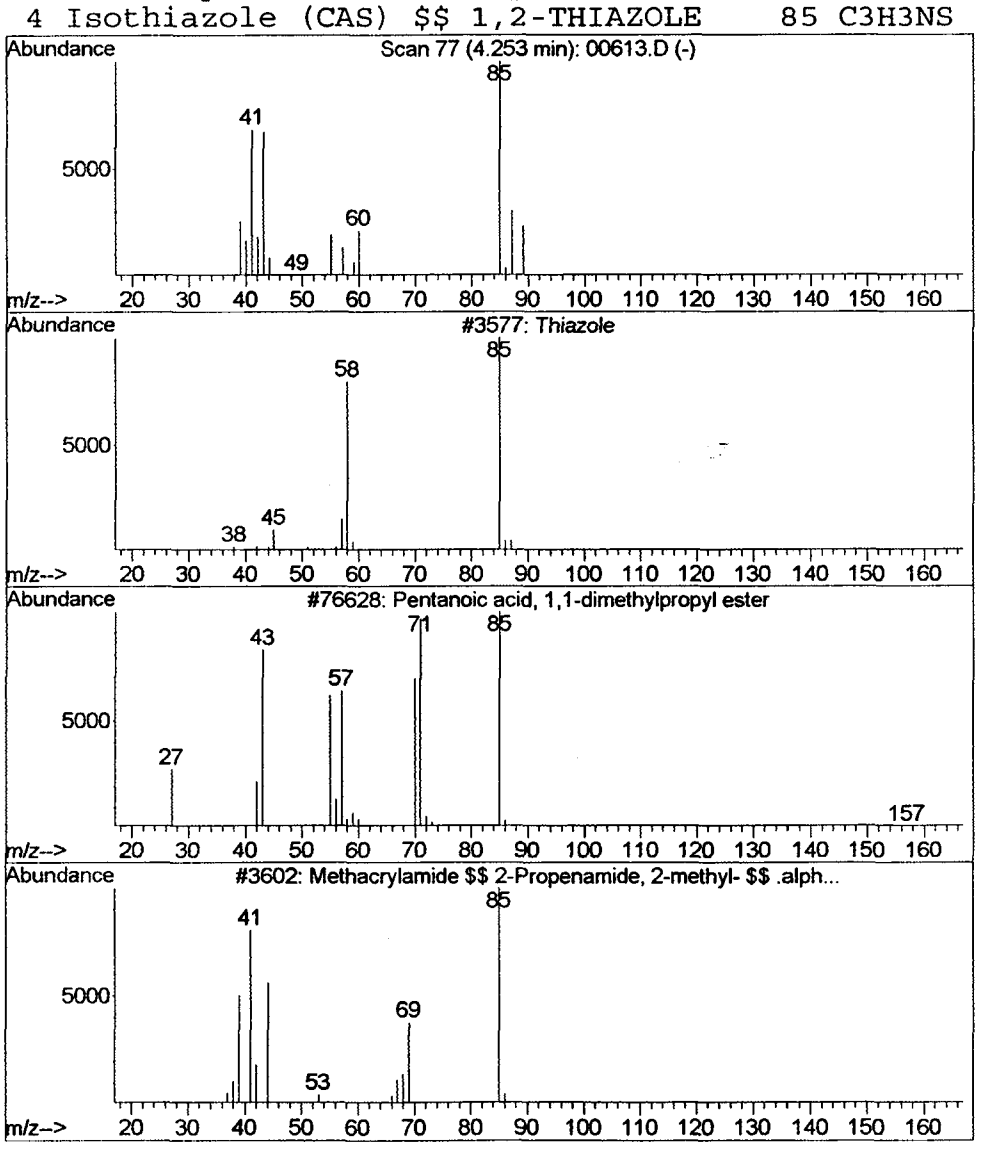
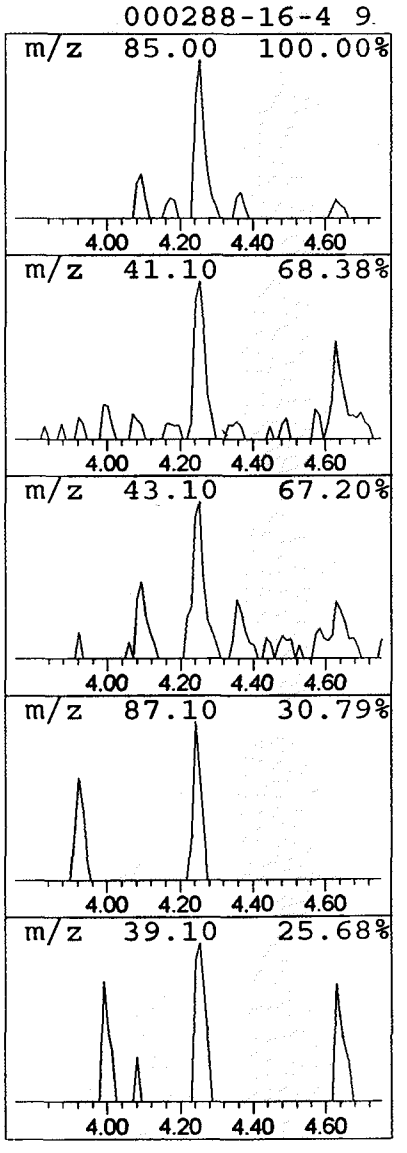
Peak Number 2 Thiazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.17 ug/L	87140	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole	85	C3H3NS	000288-47-1	38
2	Pentanoic acid, 1,1-dimethylprop...	172	C10H20O2	117421-32-6	28
3	Methacrylamide $$ 2-Propenamide,...	85	C4H7NO	000079-39-0	23
4	Isothiazole (CAS) $$ 1,2-THIAZOLE	85	C3H3NS	000288-16-4	9





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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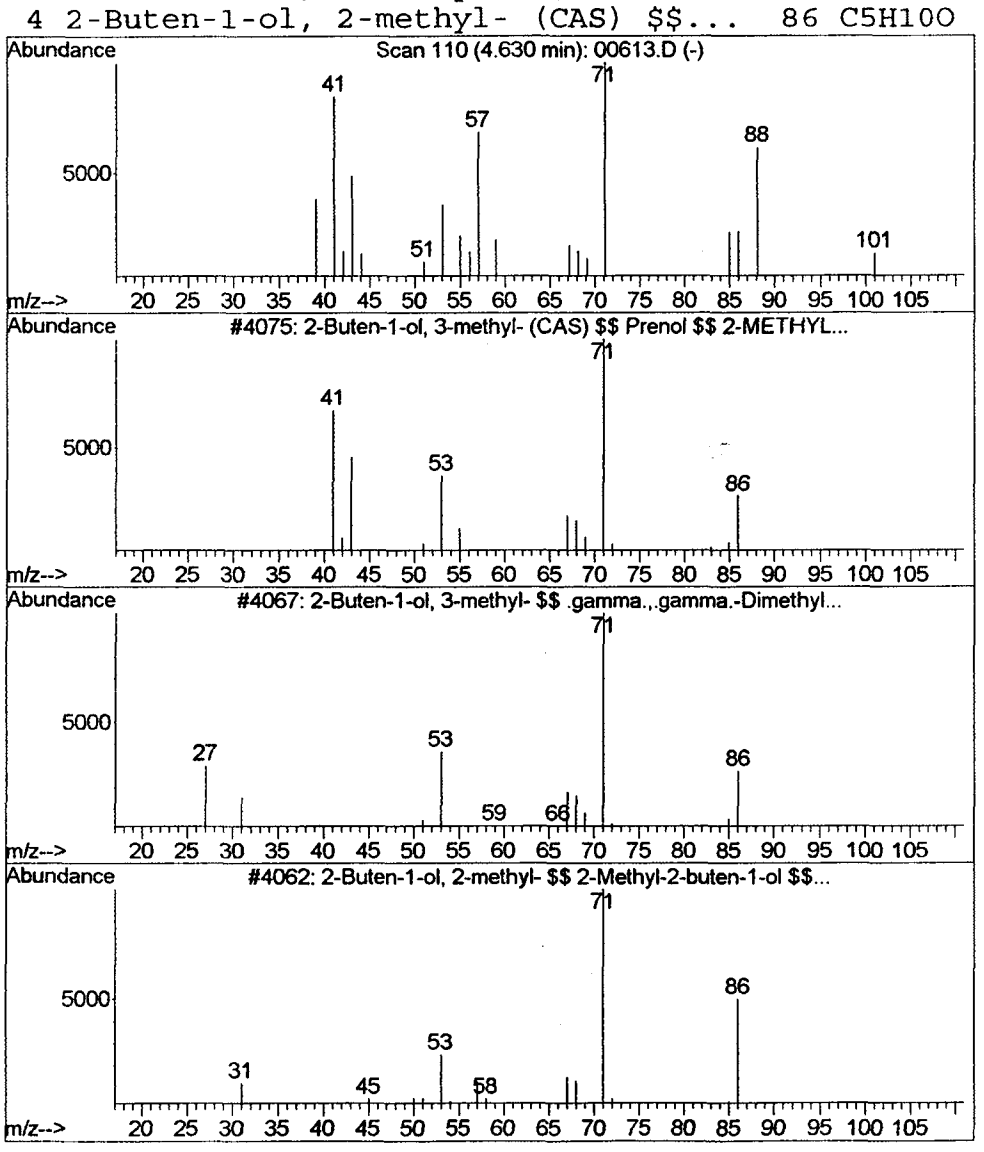
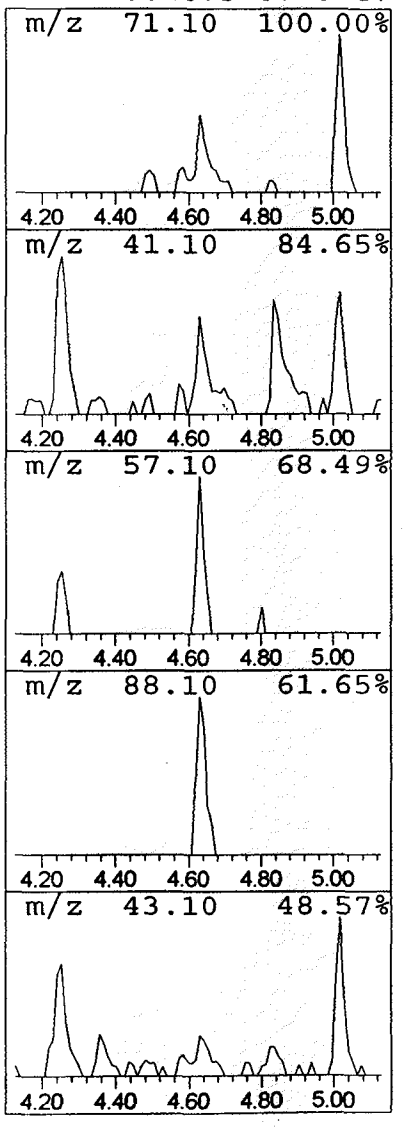
Peak Number 3 2-Buten-1-ol, 3-methyl- (CA... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.14 ug/L	72025	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	52
2	2-Buten-1-ol, 3-methyl- $$ .gamm...	86	C5H10O	000556-82-1	52
3	2-Buten-1-ol, 2-methyl- $$ 2-Met...	86	C5H10O	004675-87-0	47
4	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	47





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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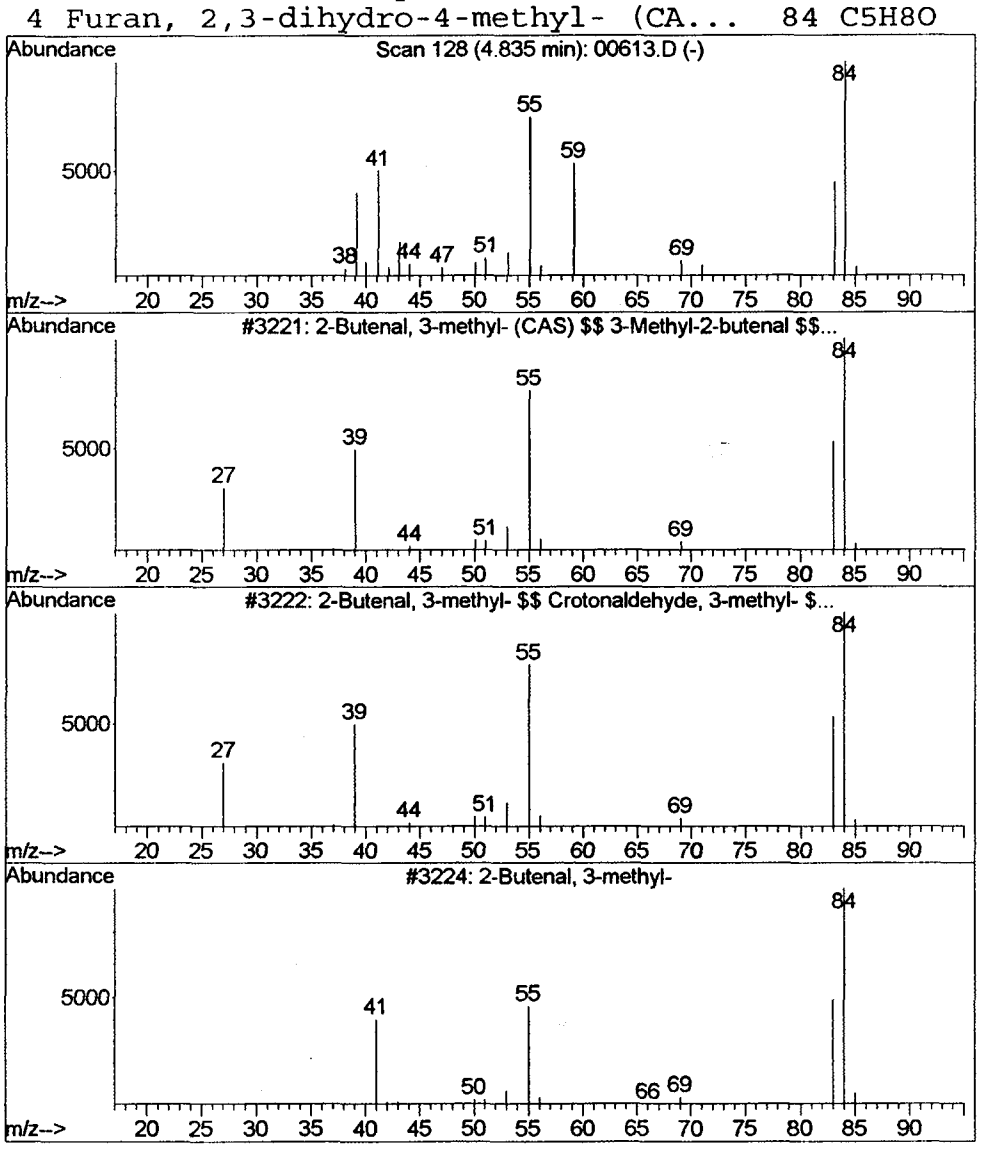
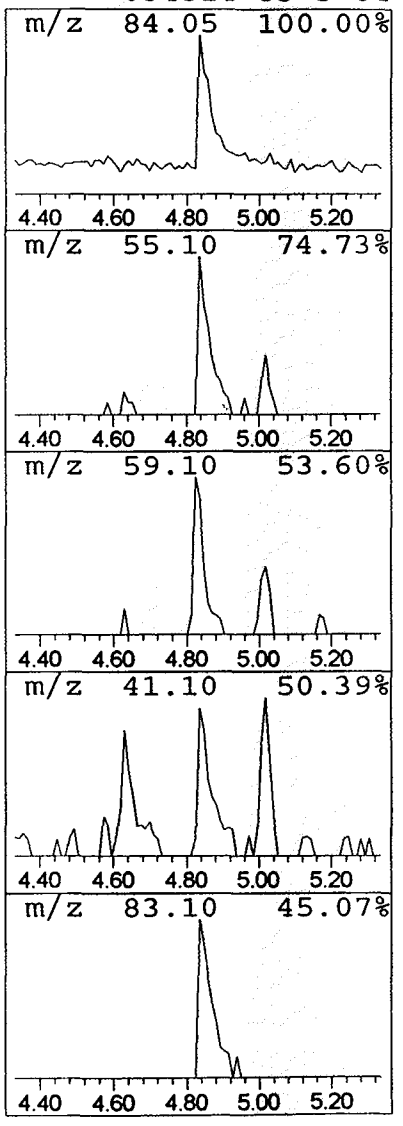
Peak Number 4 2-Butenal, 3-methyl- (CAS) ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	0.22 ug/L	115376	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	81
2	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	81
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	68
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	64





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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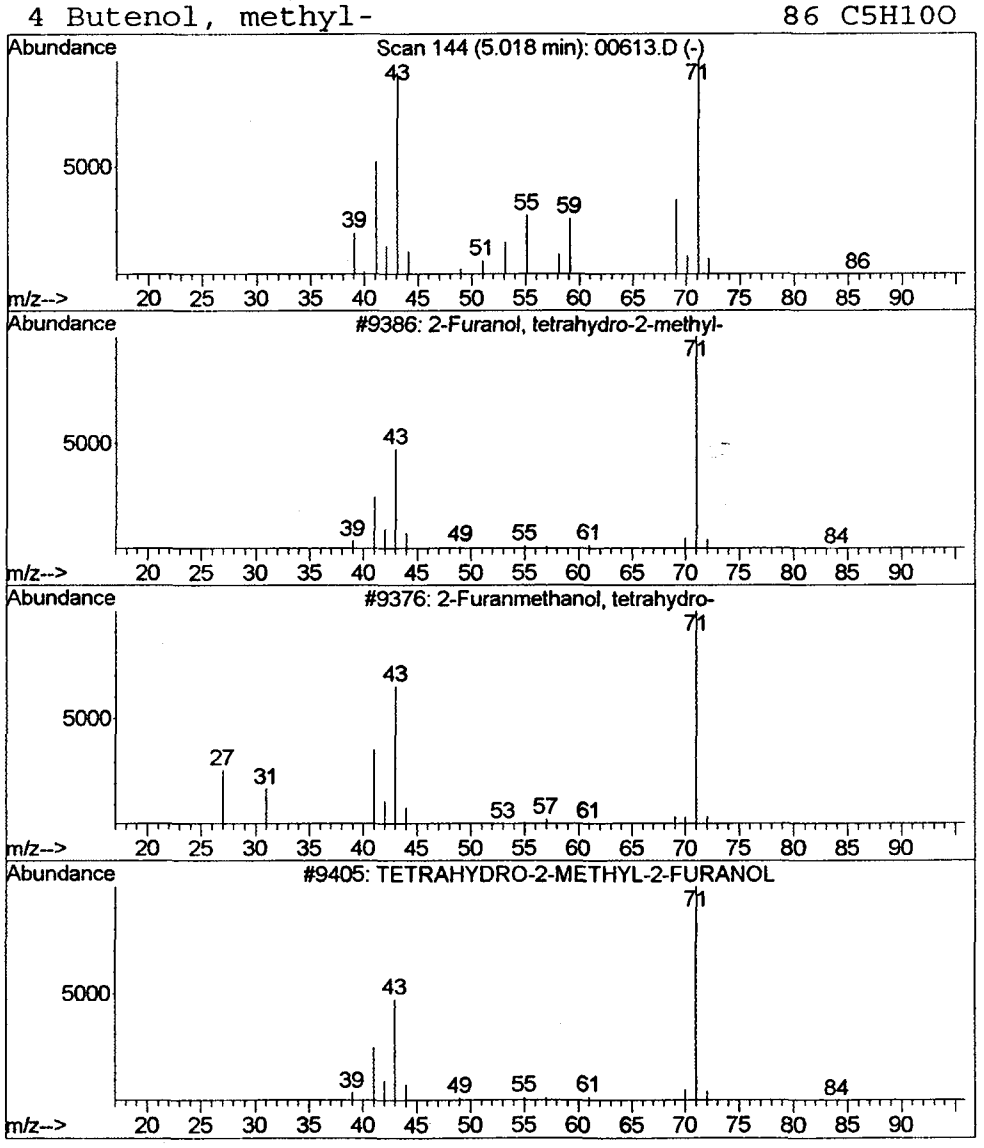
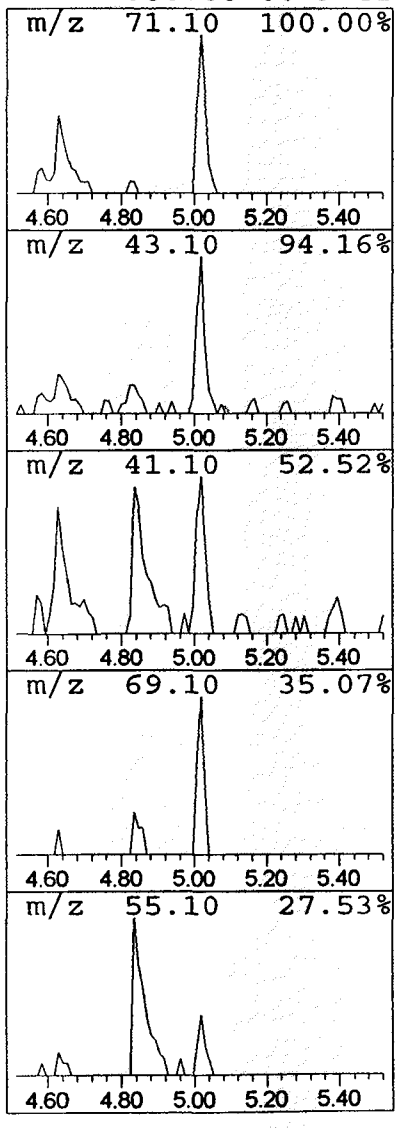
Peak Number 5 2-Furanol, tetrahydro-2-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.14 ug/L	71248	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furanol, tetrahydro-2-methyl-	102	C5H10O2	007326-46-7	45
2	2-Furanmethanol, tetrahydro-	102	C5H10O2	000097-99-4	45
3	TETRAHYDRO-2-METHYL-2-FURANOL	102	C5H10O2	000000-00-0	45
4	Butenol, methyl-	86	C5H10O	060766-00-9	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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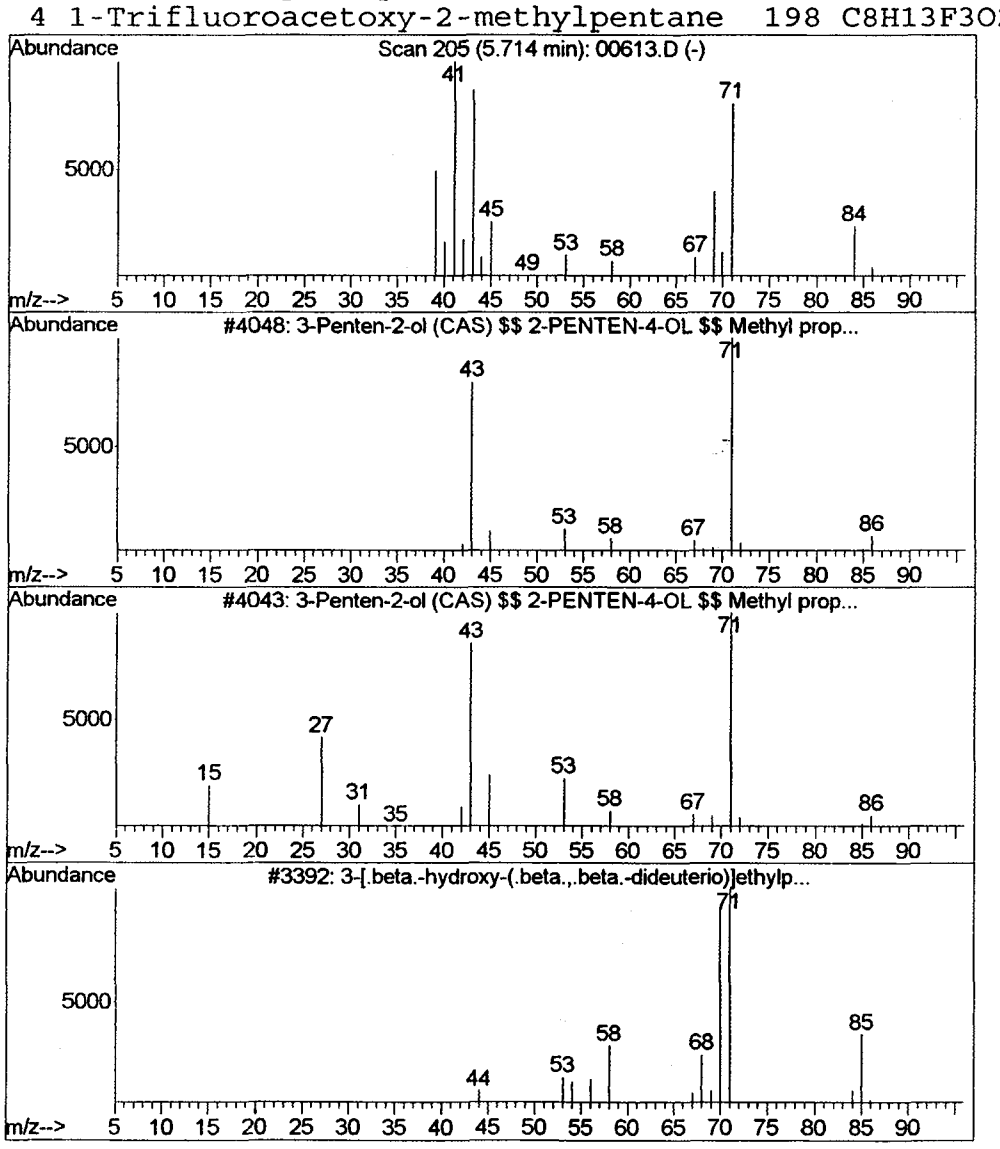
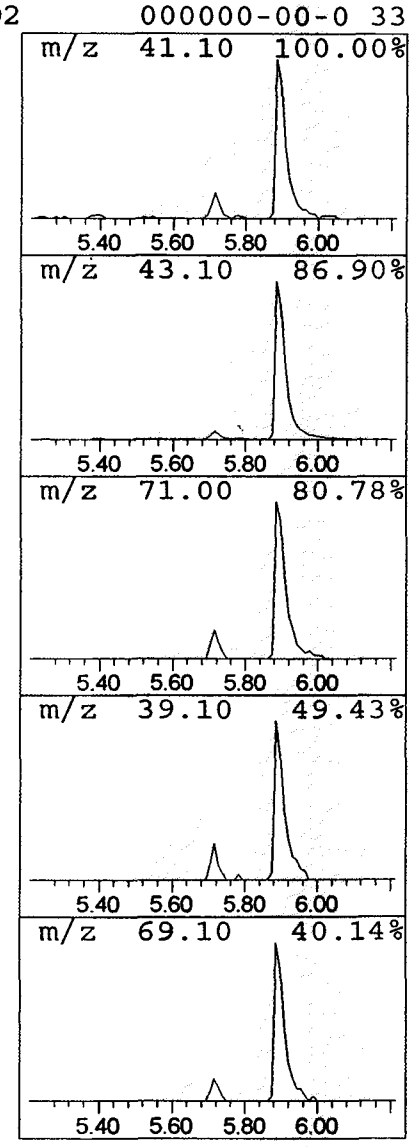
Peak Number 6 3-Penten-2-ol (CAS) $$ 2-PE... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	0.11 ug/L	54797	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	46
2	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	37
3	3-[.beta.-hydroxy-(.beta.,.beta....	86	C5H6D2O	005557-87-9	36
4	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	000000-00-0	33





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

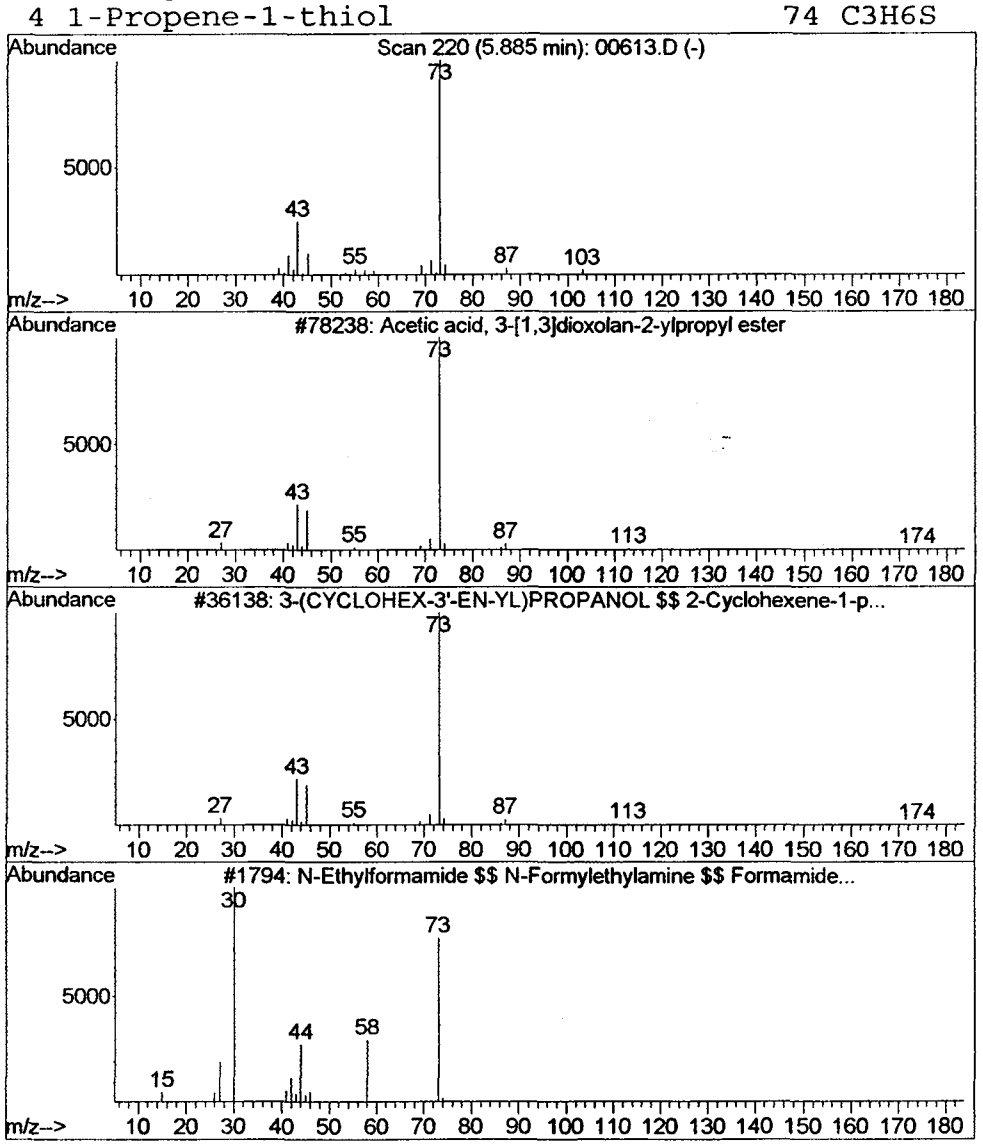
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

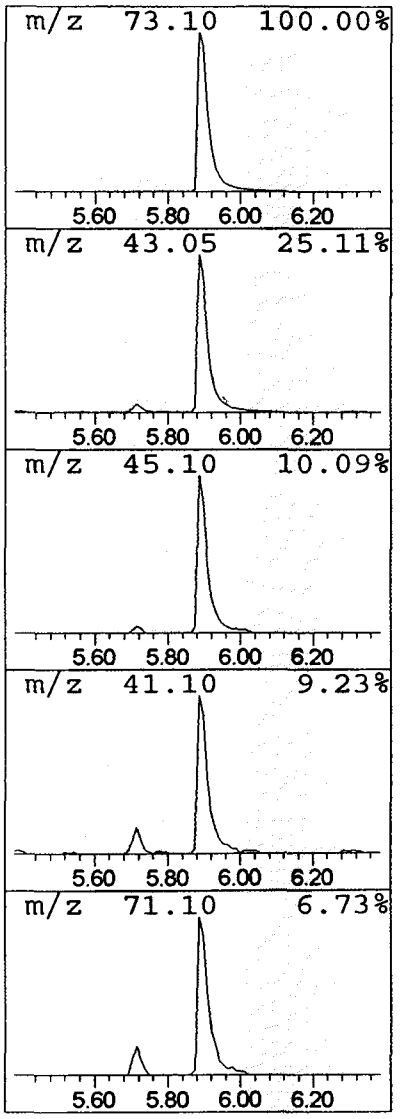
****

Peak Number 7 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.50 ug/L	1795750	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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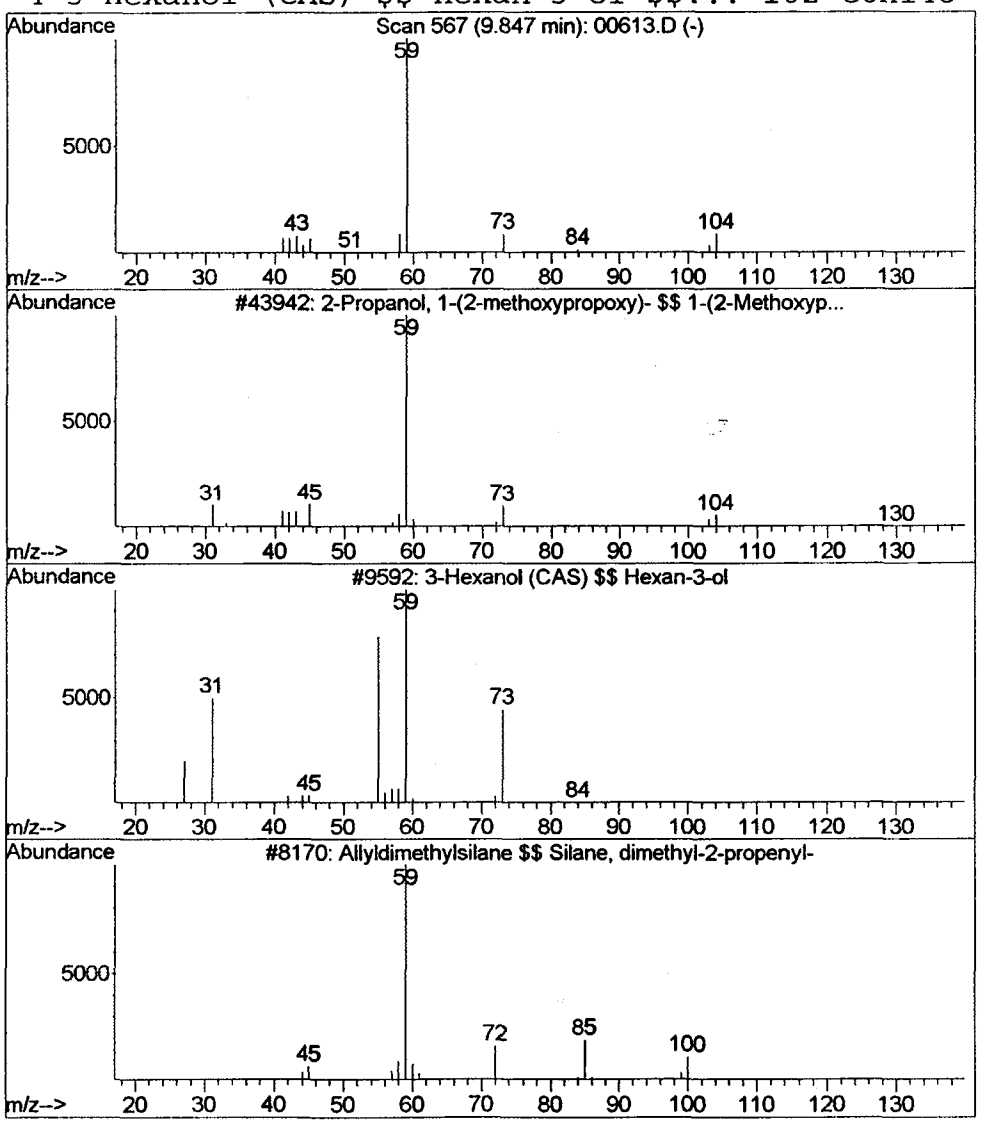
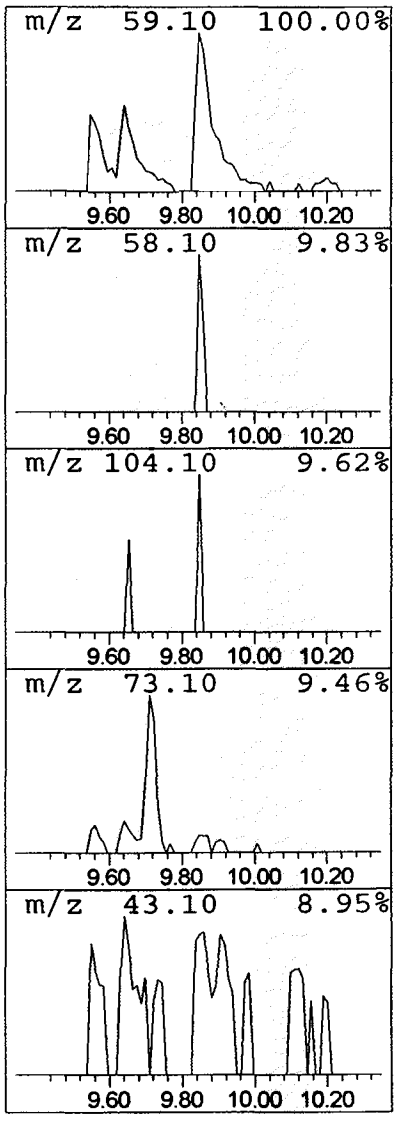
Peak Number 8 2-Propanol, 1-(2-methoxypro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.16 ug/L	83995	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	64
2	3-Hexanol (CAS) $$ Hexan-3-ol	102	C6H14O	000623-37-0	38
3	Allyldimethylsilane $$ Silane, d...	100	C5H12Si	003937-30-2	9
4	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
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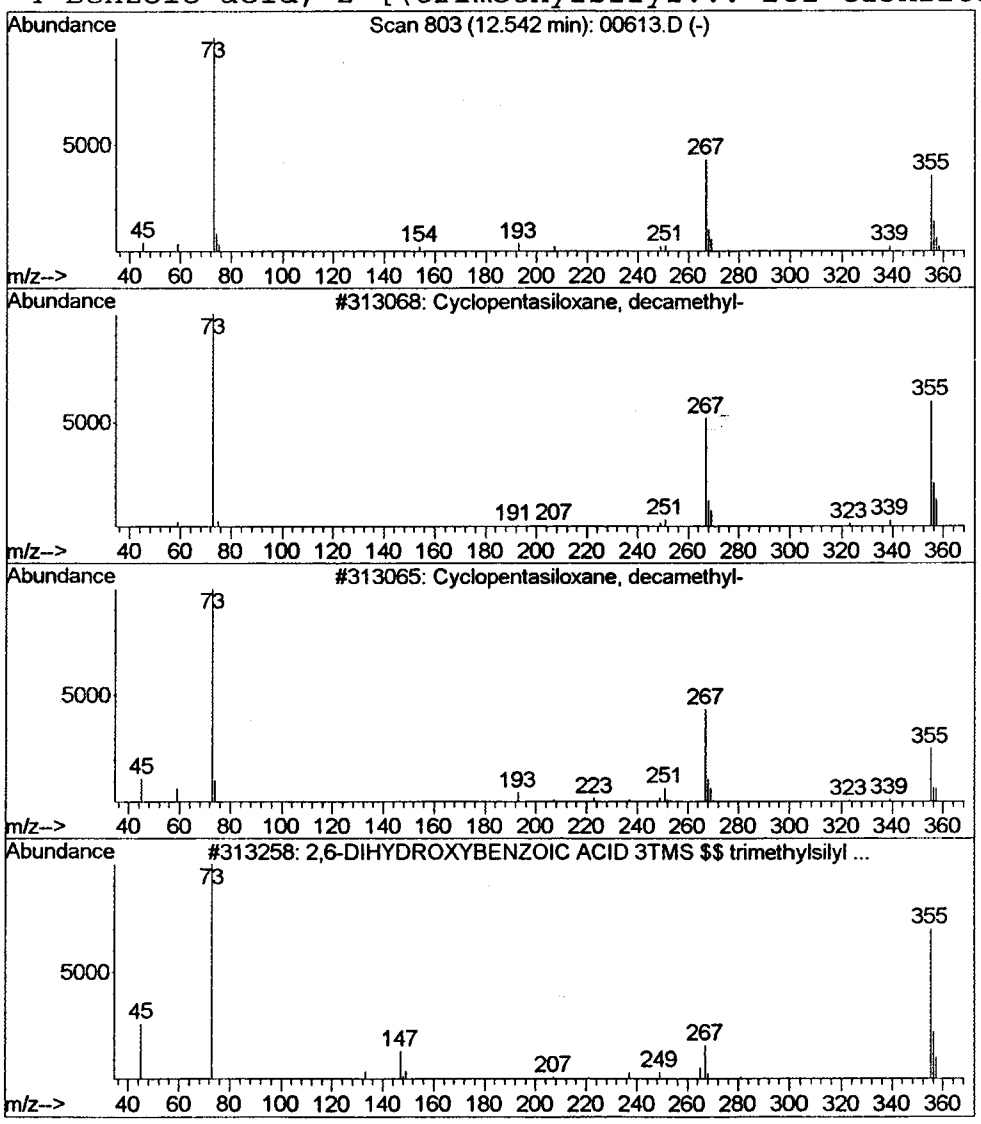
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

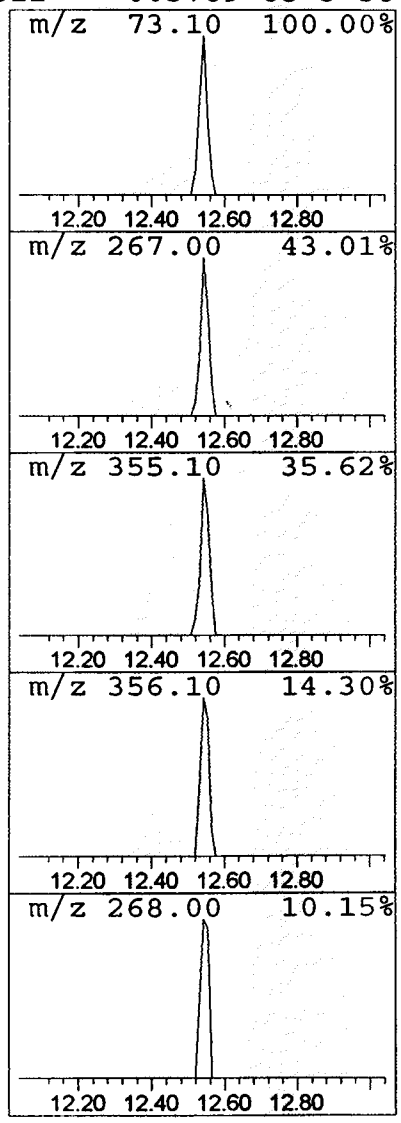
****

Peak Number 9 Cyclopentasiloxane, decamet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.14 ug/L	97365	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	64
3	2,6-DIHYDROXYBENZOIC ACID 3TMS $...	370	C16H30O4Si3	003782-85-2	38
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38





Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

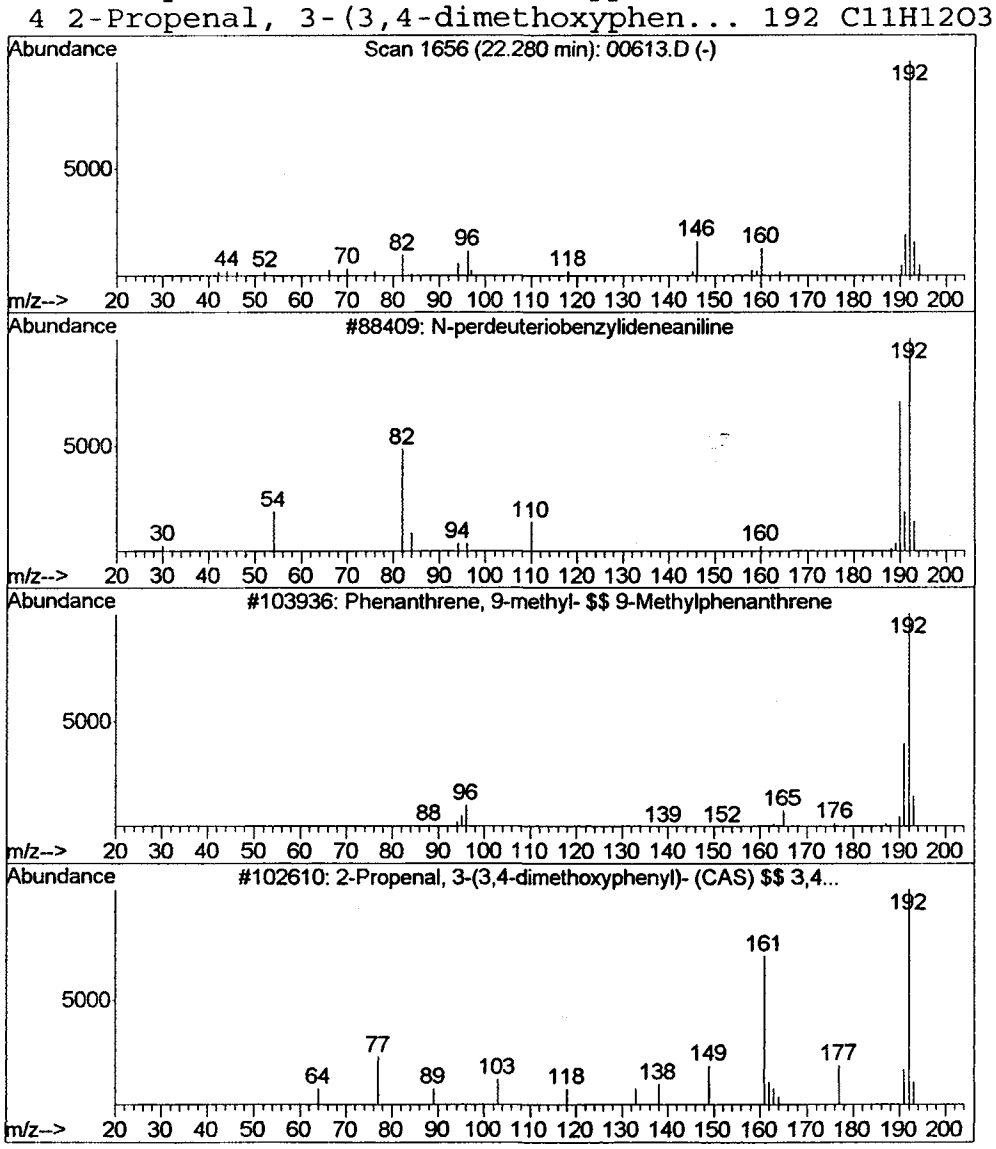
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

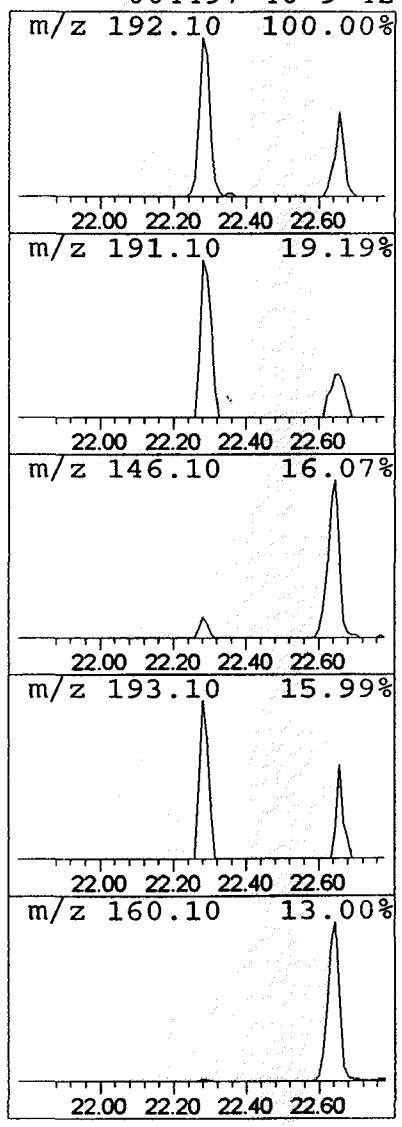
****

Peak Number 10 N-perdeuteriobenzylideneani... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	123610	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	50
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
4	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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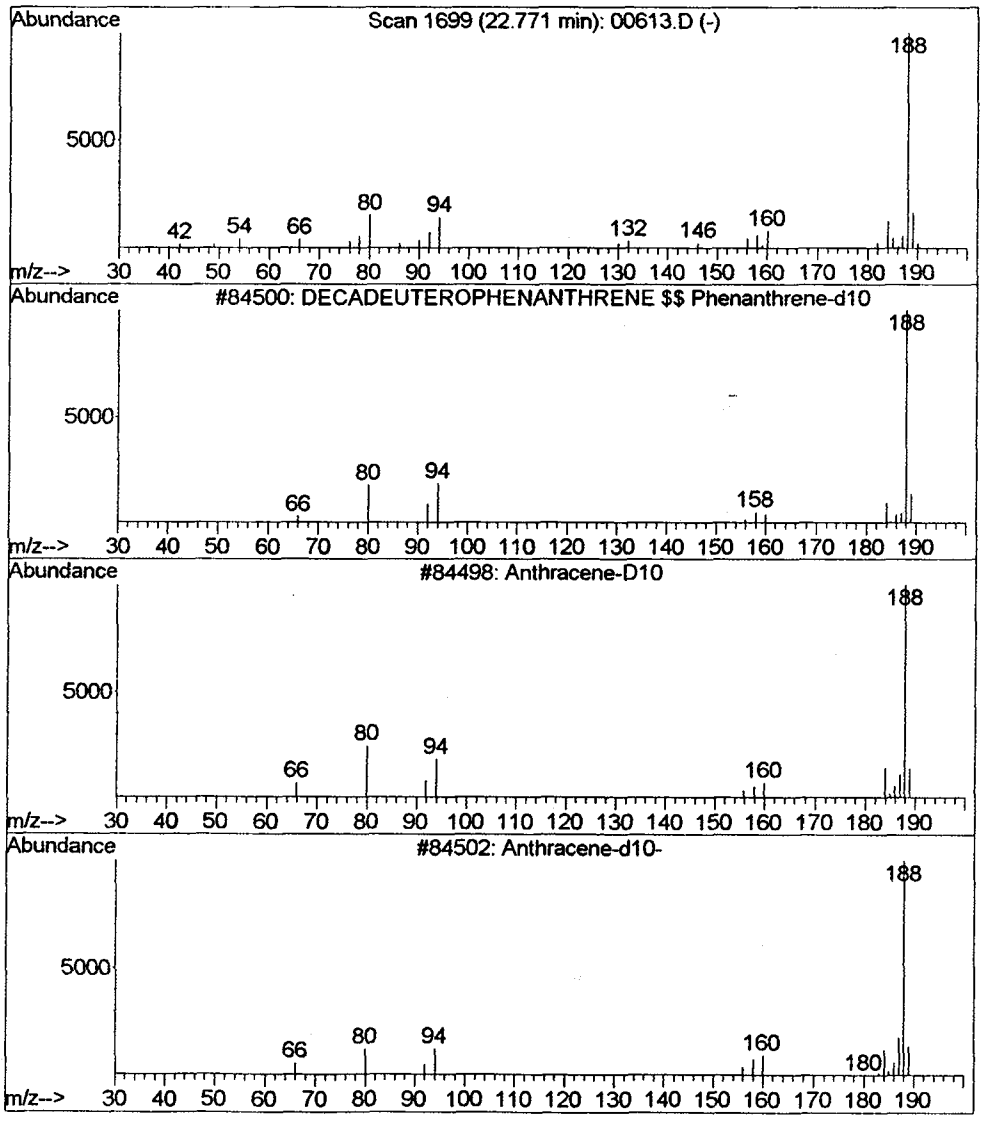
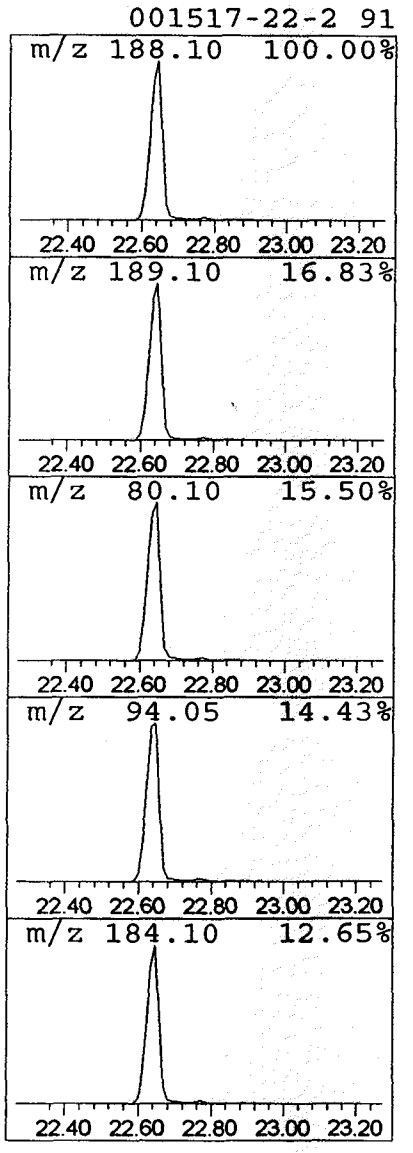
Peak Number 11 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.36 ug/L	304745	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	91
2	Anthracene-D10	188	C14D10	000000-00-0	91
3	Anthracene-d10-	188	C14D10	001719-06-8	91
4	Phenanthrene-d10	188	C14D10	001517-22-2	91





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00613.D Vial: 2
Acq On : 29 Jan 2002 3:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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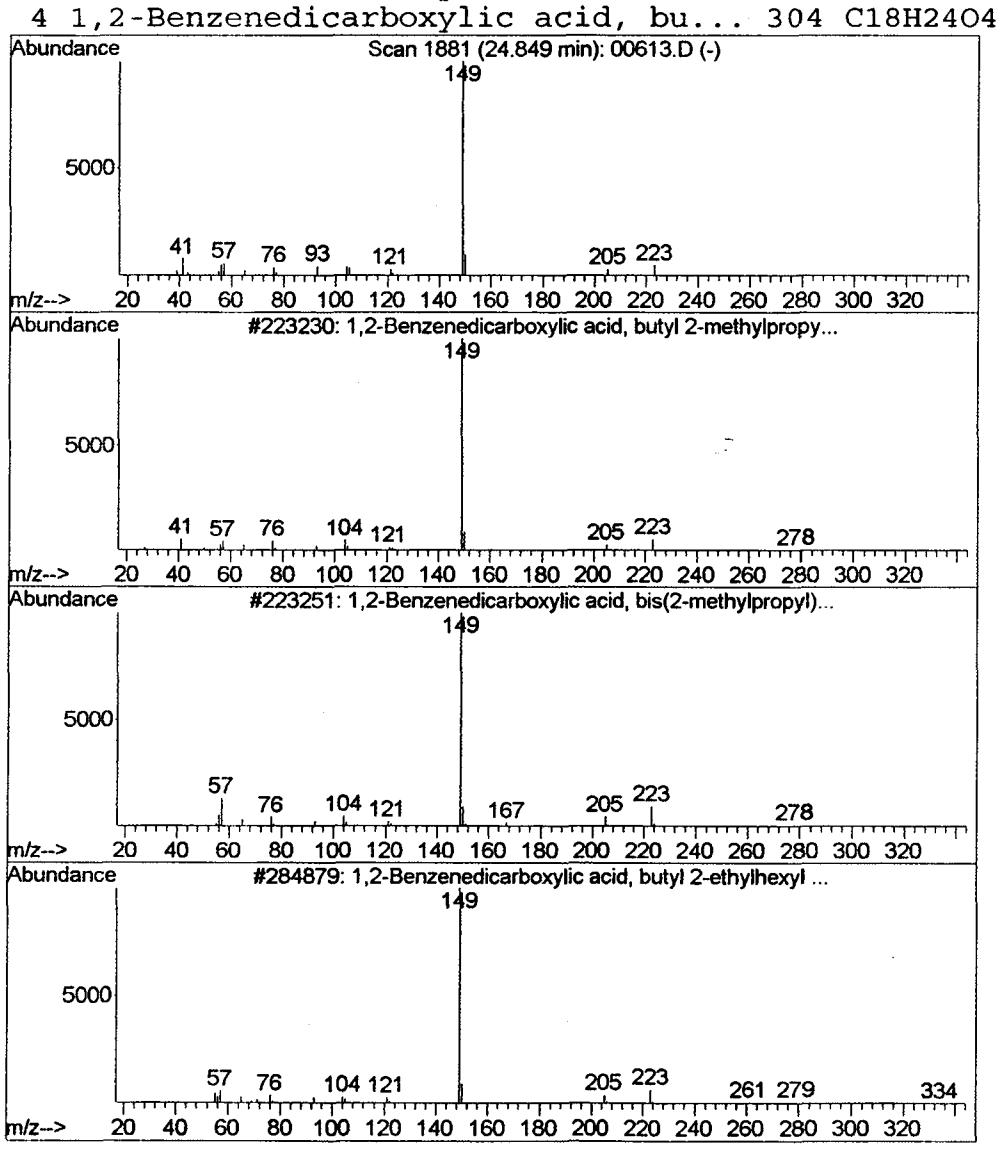
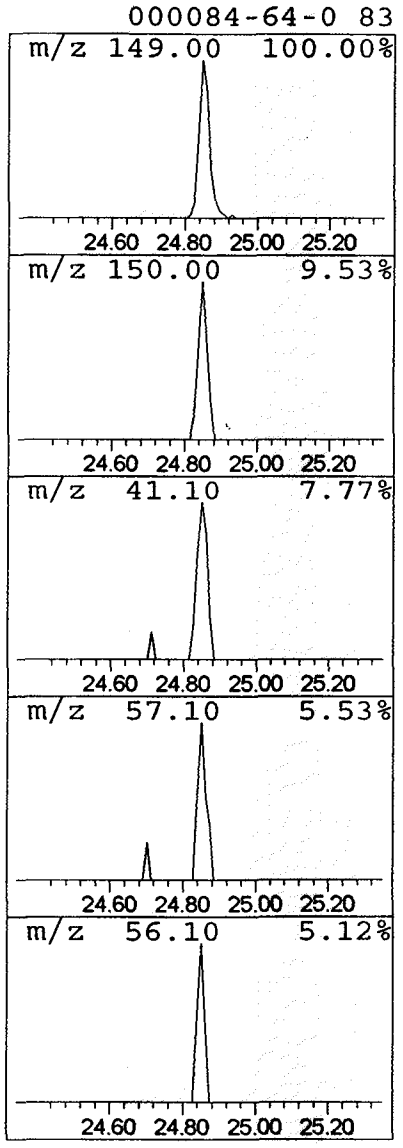
Peak Number 12 1,2-Benzenedicarboxylic aci... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.85	0.15 ug/L	123585	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	90
2	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	83
3	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	83
4	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	83





Operator ID: Date Acquired: 29 Jan 2002 3:25 pm
Data File: C:\MSDCHEM\1\5973N\02JAN29\00613.D
Name: 508 scan
Misc: January 29, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.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
Butanoic acid, me...	3.61	0.1	ug/L	59435	1	9.72	10274500	20.0
Thiazole	4.25	0.2	ug/L	87140	1	9.72	10274500	20.0
2-Buten-1-ol, 3-m...	4.63	0.1	ug/L	72025	1	9.72	10274500	20.0
2-Butenal, 3-meth...	4.84	0.2	ug/L	115376	1	9.72	10274500	20.0
2-Furanol, tetrah...	5.02	0.1	ug/L	71248	1	9.72	10274500	20.0
3-Penten-2-ol (CA...	5.71	0.1	ug/L	54797	1	9.72	10274500	20.0
Acetic acid, 3-[1...	5.89	3.5	ug/L	1795750	1	9.72	10274500	20.0
2-Propanol, 1-(2-...	9.85	0.2	ug/L	83995	1	9.72	10274500	20.0
Cyclopentasiloxan...	12.54	0.1	ug/L	97365	2	13.19	14399600	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	123610	4	22.65	16872500	20.0
DECADEUTEROPHENAN...	22.77	0.4	ug/L	304745	4	22.65	16872500	20.0
1,2-Benzenedicarb...	24.85	0.1	ug/L	123585	4	22.65	16872500	20.0