LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061469.D
Acq On : 1 Apr 2019 15:31
Operator : VA/AP
Sample : K2183-02
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.835	38	42	48	rVV2	46139	101071	1.58%	0.414%
2	1.983	52	57	67	rVB2	22659	97538	1.52%	0.400%
3	3.154	159	176	183	rBV2	15741	95689	1.49%	0.392%
4	3.292	183	190	207	rVB	55020	236828	3.69%	0.971%
5	3.794	235	241	253	rVV2	59222	208662	3.25%	0.855%
6	3.991	253	261	281	rVV	355932	1291969	20.15%	5.296%
7	6.295	485	495	525	rBV	1201438	6411793	100.00%	26.282%
8	7.043	563	571	586	rBV	459792	1374680	21.44%	5.635%
9	7.456	607	613	624	rBV2	253933	776983	12.12%	3.185%
10	8.224	684	691	712	rBV	672047	1776138	27.70%	7.280%
11	8.628	727	732	737	rBV	89935	258561	4.03%	1.060%
12	8.716	737	741	752	rVB	55373	195825	3.05%	0.803%
13	8.982	762	768	774	rBV	816350	1997153	31.15%	8.186%
14	10.419	908	914	921	rVV	798236	1899781	29.63%	7.787%
15	11.630	1032	1037	1040	rBV	229001	467072	7.28%	1.915%
16	11.699	1040	1044	1055	rVB	222868	858304	13.39%	3.518%
17	12.378	1109	1113	1124	rVB	1119559	1984578	30.95%	8.135%
18	13.215	1194	1198	1206	rBV	47769	68041	1.06%	0.279%
19	13.323	1206	1209	1215	rVB	189389	320688	5.00%	1.314%
20	13.570	1230	1234	1243	rVB	882031	1293548	20.17%	5.302%
21	14.436	1319	1322	1325	rBV	231704	283053	4.41%	1.160%
22	14.534	1328	1332	1338	rBV	1239521	1565643	24.42%	6.418%
23	14.702	1346	1349	1355	rBV	377639	529045	8.25%	2.169%
24	15.302	1407	1410	1413	rVV	295694	303621	4.74%	1.245%

Sum of corrected areas: 24396264

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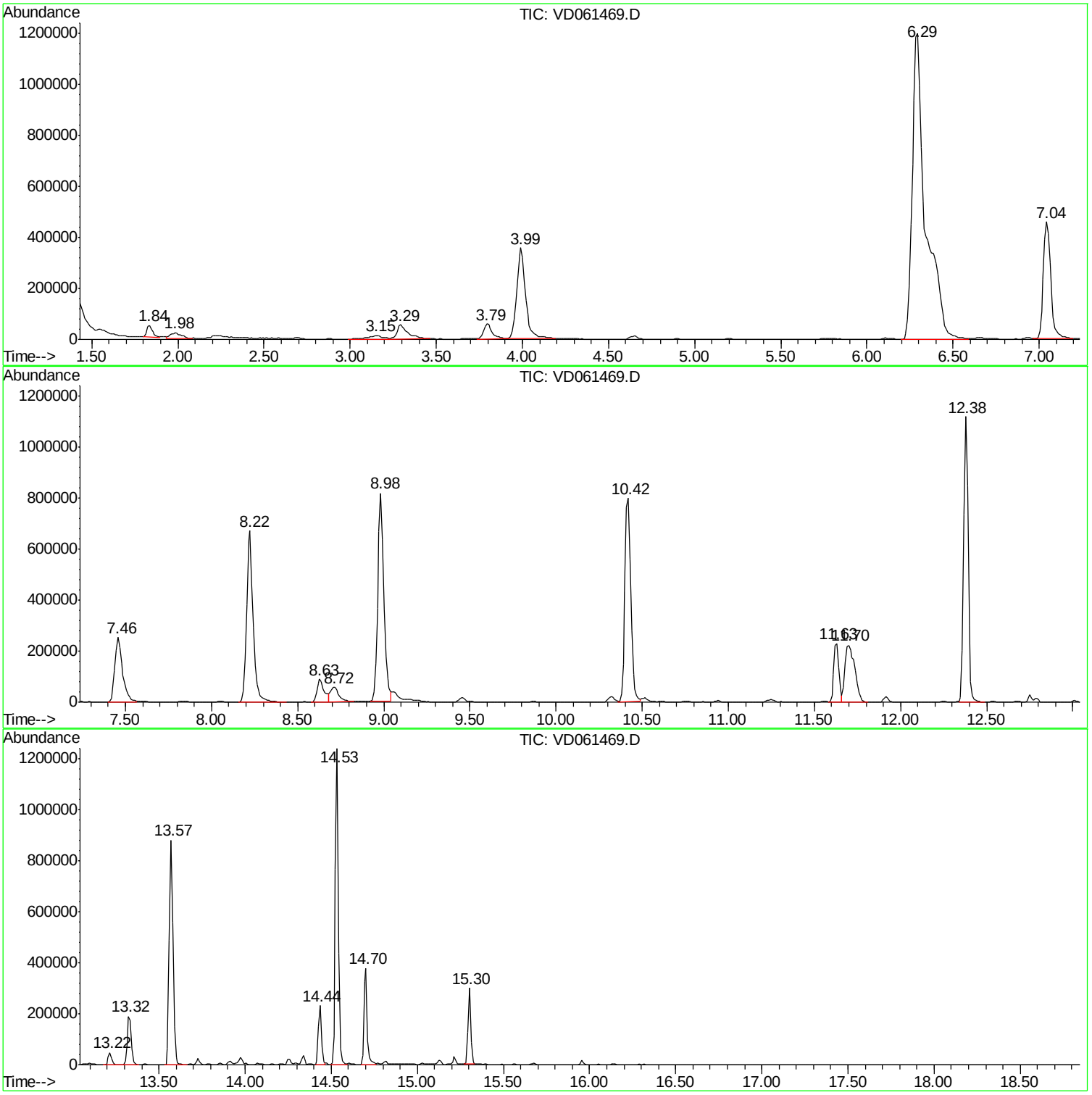
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : VD061469.D
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Operator : VA/AP
Sample : K2183-02
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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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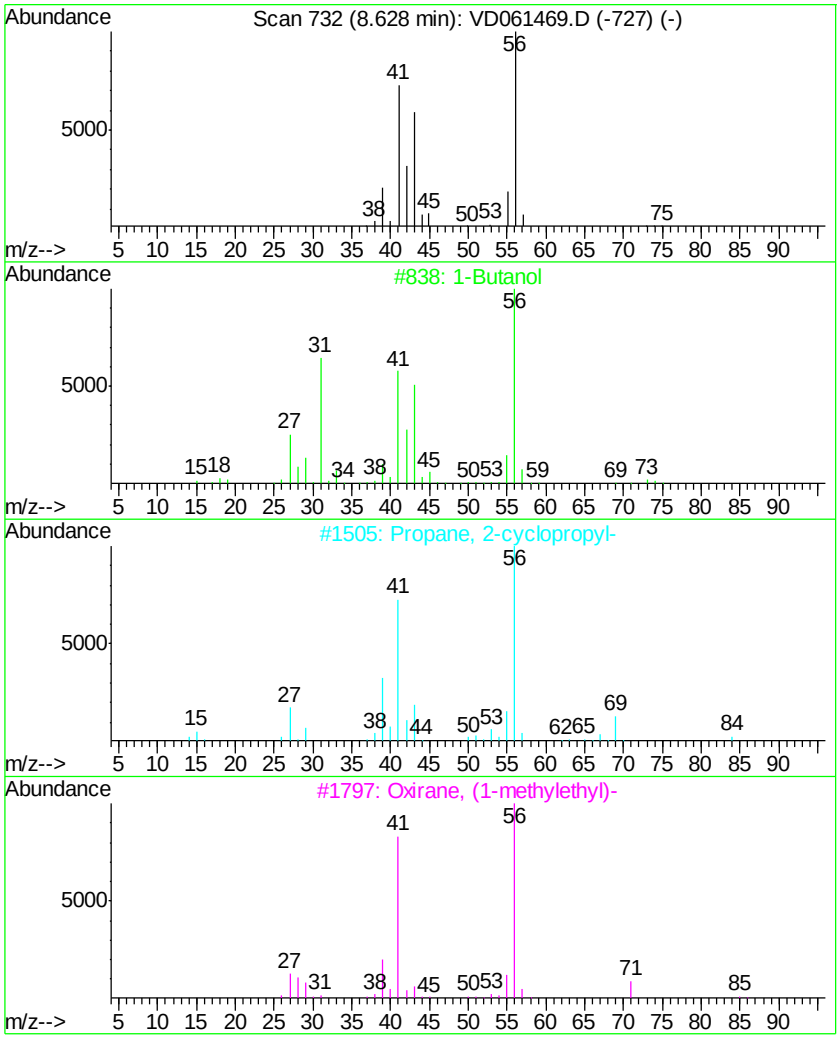
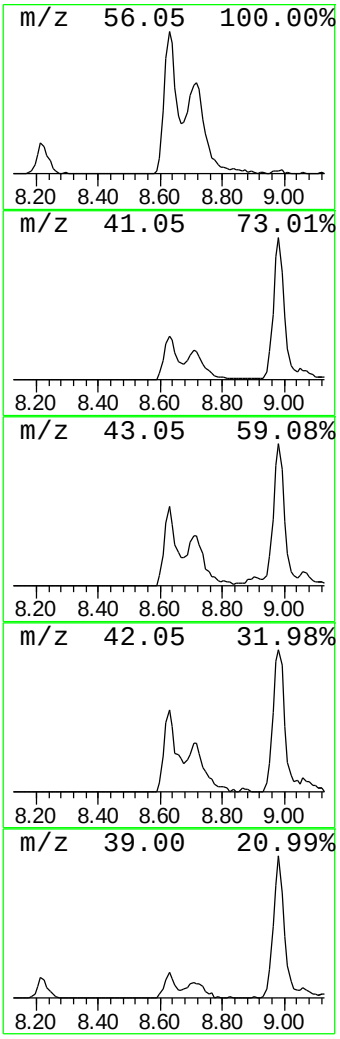
Peak Number 3 1-Butanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	7.28 ug/l	258561	1,4-Difluorobenzene	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	86
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	38
3	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	36
4	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	36
5	Oxetane, 2,3,4-trimethyl-, (2.al...	100	C6H12O	032347-12-9	9





Library Search Compound Report

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Data File : VD061469.D
Acq On : 1 Apr 2019 15:31
Operator : VA/AP
Sample : K2183-02
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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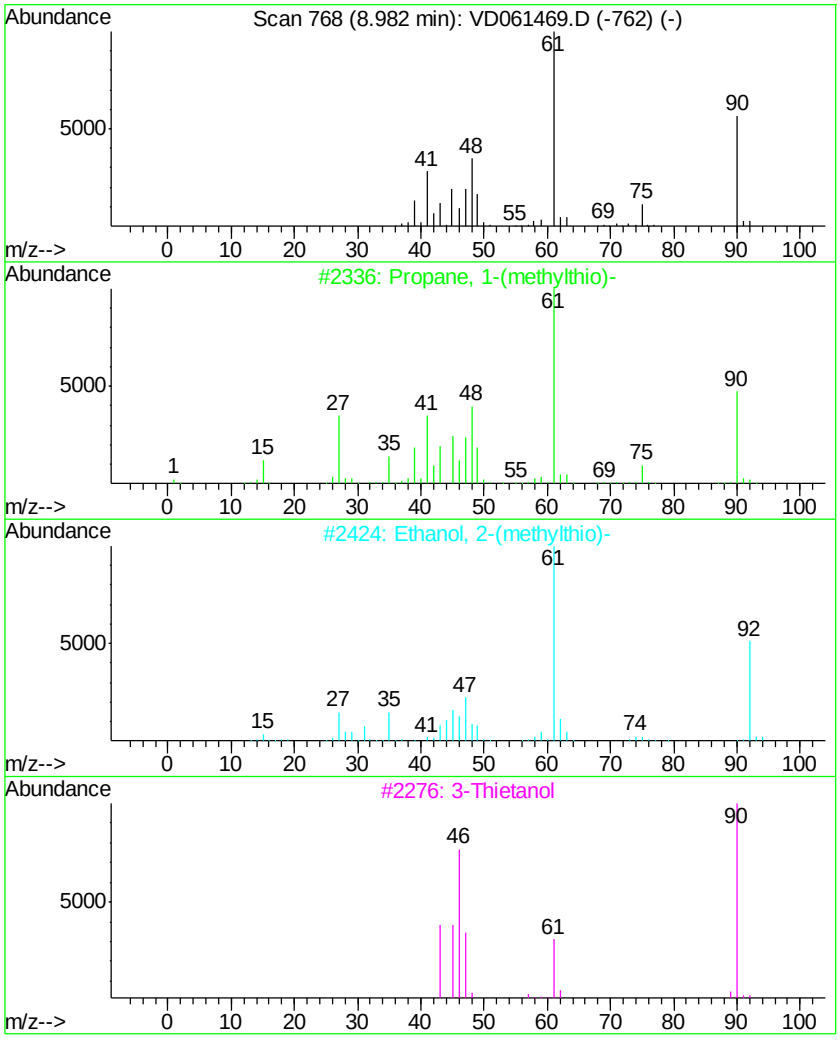
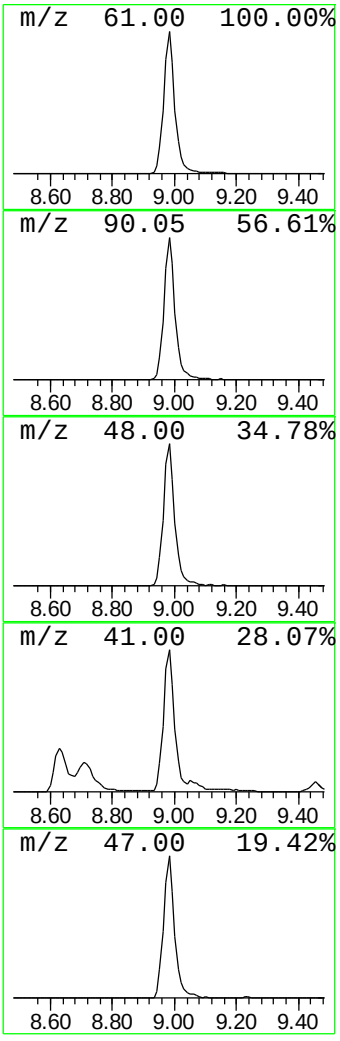
Peak Number 4 Propane, 1-(methylthio)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	56.22 ug/l	1997150	1,4-Difluorobenzene	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	91
2	Ethanol, 2-(methylthio)-	92	C3H8OS	005271-38-5	38
3	3-Thietanol	90	C3H6OS	010304-16-2	35
4	2-Mercaptoethyl ether	138	C4H10OS2	002150-02-9	28
5	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	25





Library Search Compound Report

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Data File : VD061469.D
Acq On : 1 Apr 2019 15:31
Operator : VA/AP
Sample : K2183-02
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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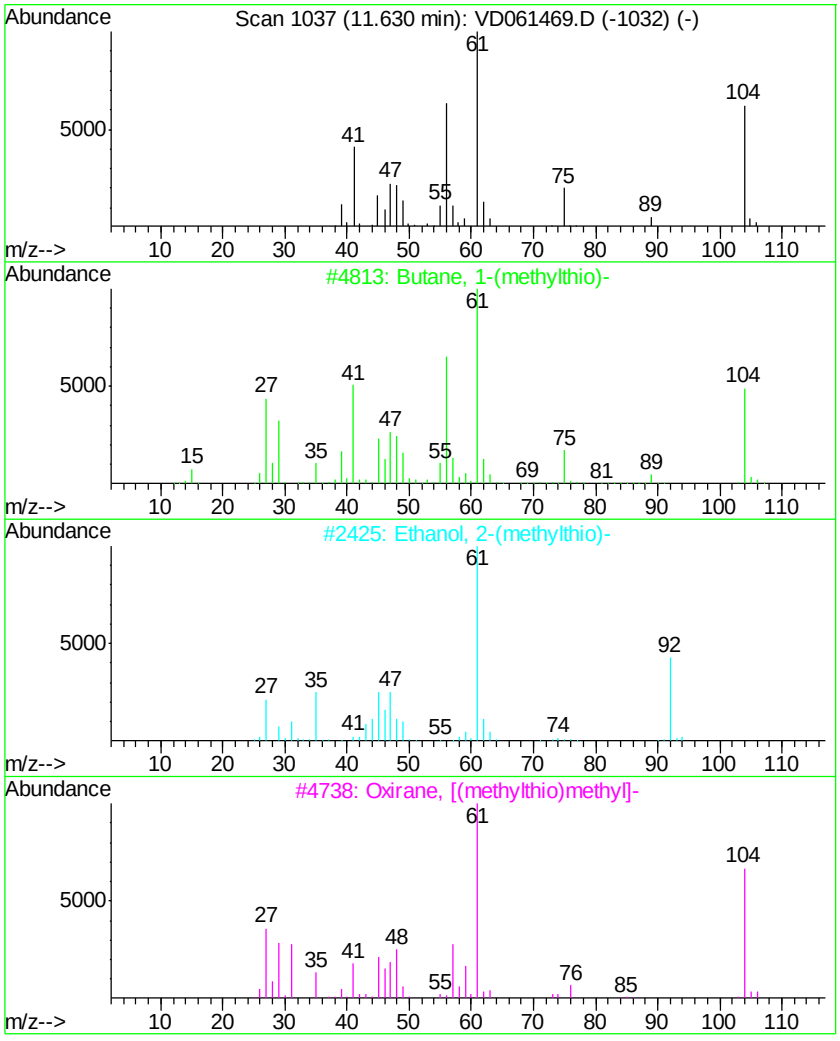
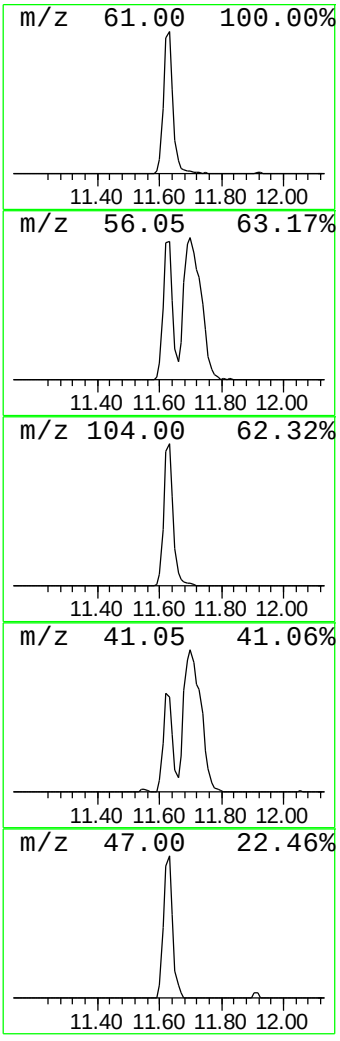
Peak Number 5 Butane, 1-(methylthio)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	11.77 ug/l	467072	Chlorobenzene-d5	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1-(methylthio)-	104	C5H12S	000628-29-5	95
2	Ethanol, 2-(methylthio)-	92	C3H8OS	005271-38-5	43
3	Oxirane, [(methylthio)methyl]-	104	C4H8OS	045378-62-9	43
4	Propane, 2-methyl-1-(methylthio)-	104	C5H12S	005008-69-5	42
5	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061469.D
Acq On : 1 Apr 2019 15:31
Operator : VA/AP
Sample : K2183-02
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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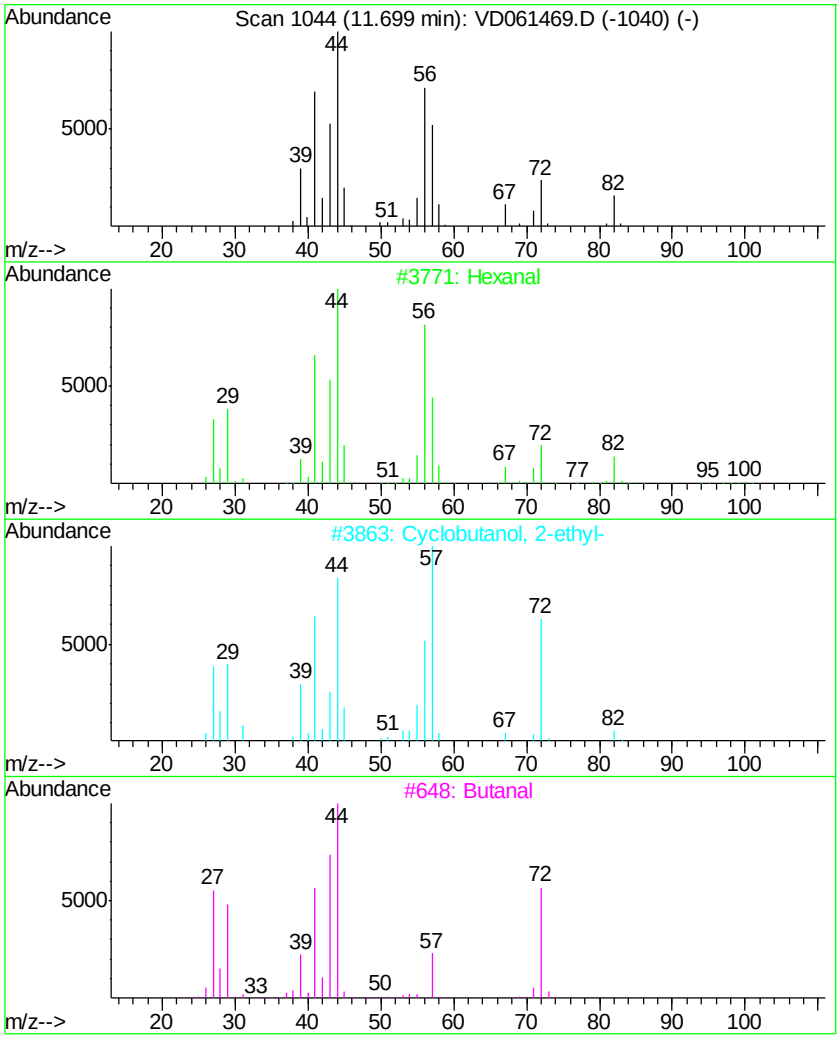
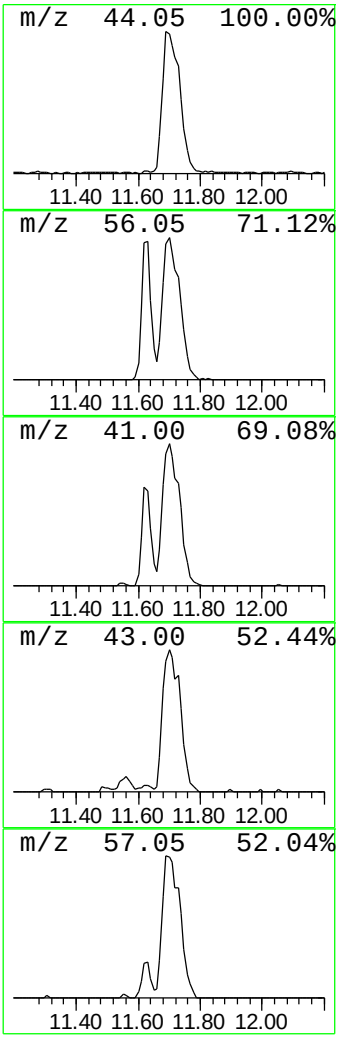
Peak Number 6 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	21.62 ug/l	858304	Chlorobenzene-d5	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	50
3	Butanal	72	C4H8O	000123-72-8	43
4	Glutaraldehyde	100	C5H8O2	000111-30-8	17
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	14





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Data File : VD061469.D
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Operator : VA/AP
Sample : K2183-02
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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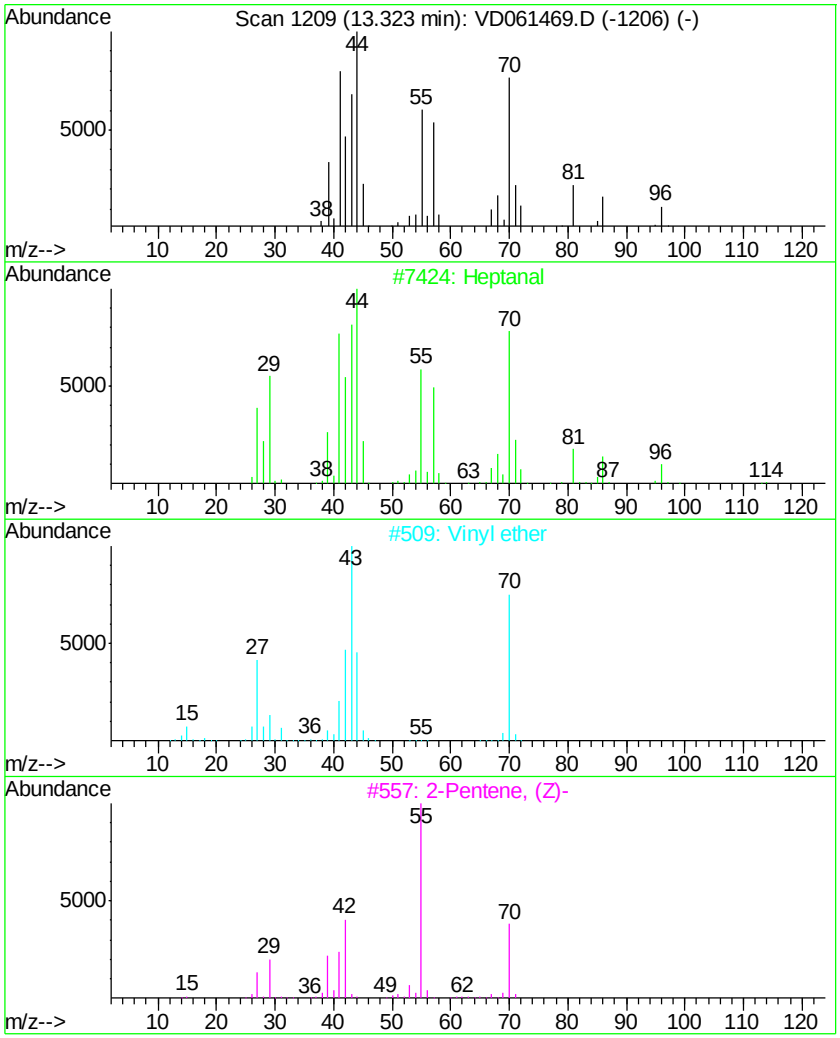
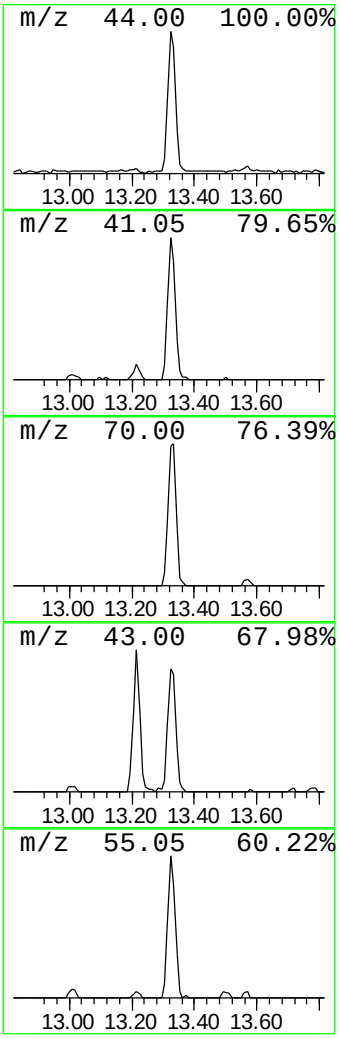
Peak Number 7 Heptanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	8.08 ug/l	320688	Chlorobenzene-d5	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	90
2	Vinyl ether	70	C4H6O	000109-93-3	32
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	30
4	Ethoxyacetylene	70	C4H6O	000927-80-0	27
5	2-Pentene	70	C5H10	000109-68-2	27





Library Search Compound Report

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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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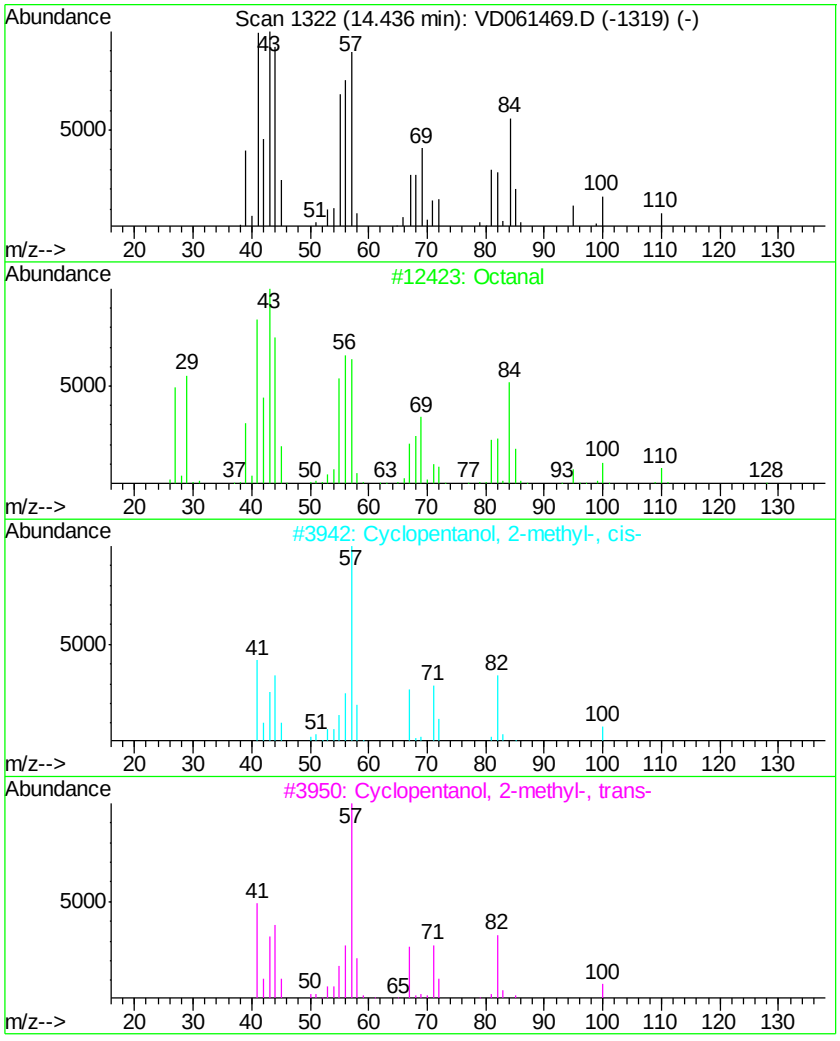
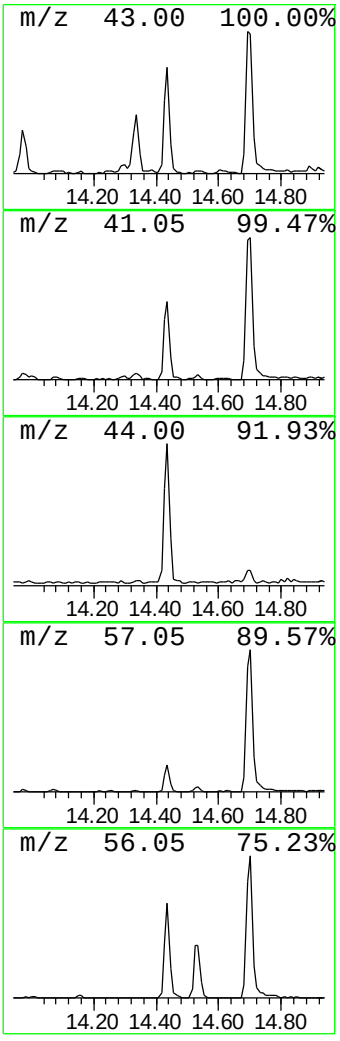
Peak Number 8 Octanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	9.04 ug/l	283053	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	46
3	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	38
4	Cyclopentanol, 2-methyl-	100	C6H12O	024070-77-7	38
5	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	35





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Instrument : MSVOA_D
ClientSampleId : FK-0D015-03-002

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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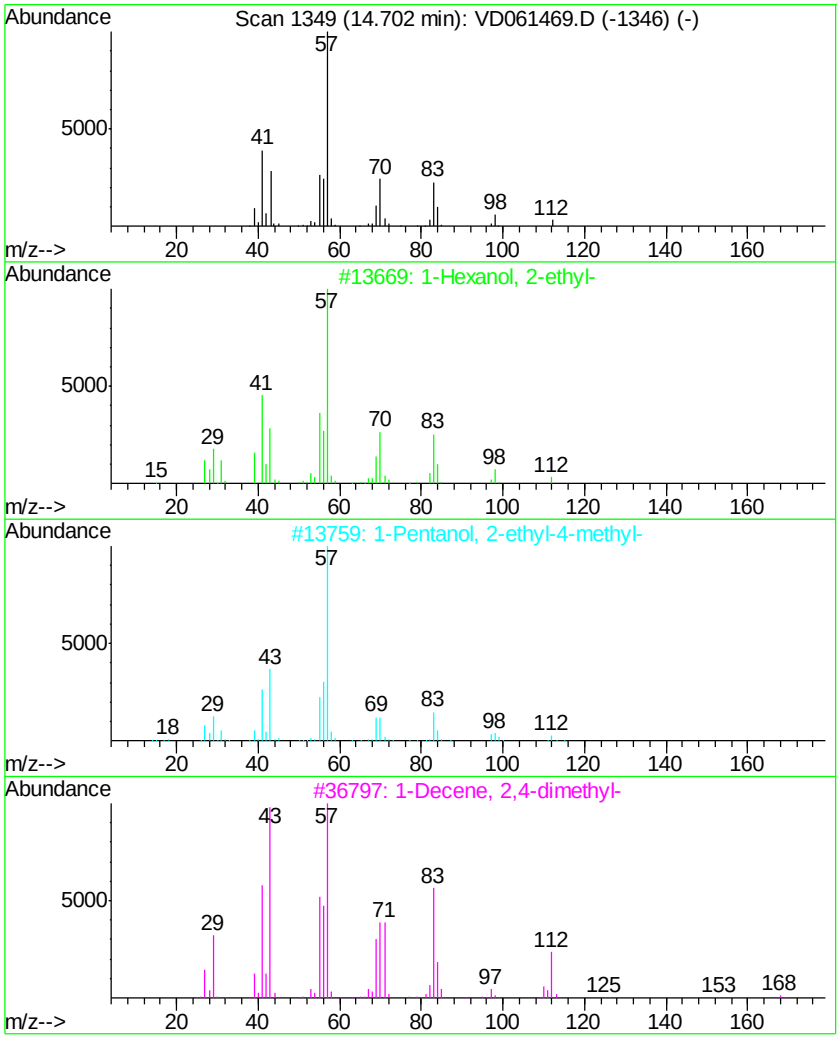
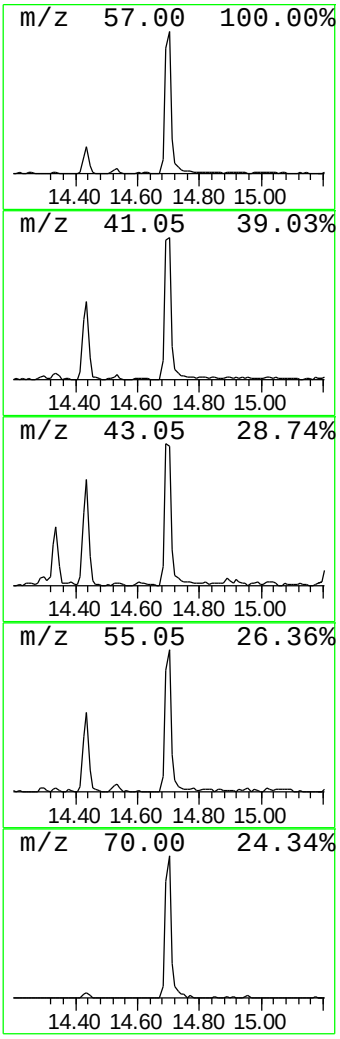
Peak Number 9 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	16.90 ug/l	529045	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59
3	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	50
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	42
5	Chloroacetic acid, 2-ethylhexyl ...	206	C10H19ClO2	005345-58-4	42





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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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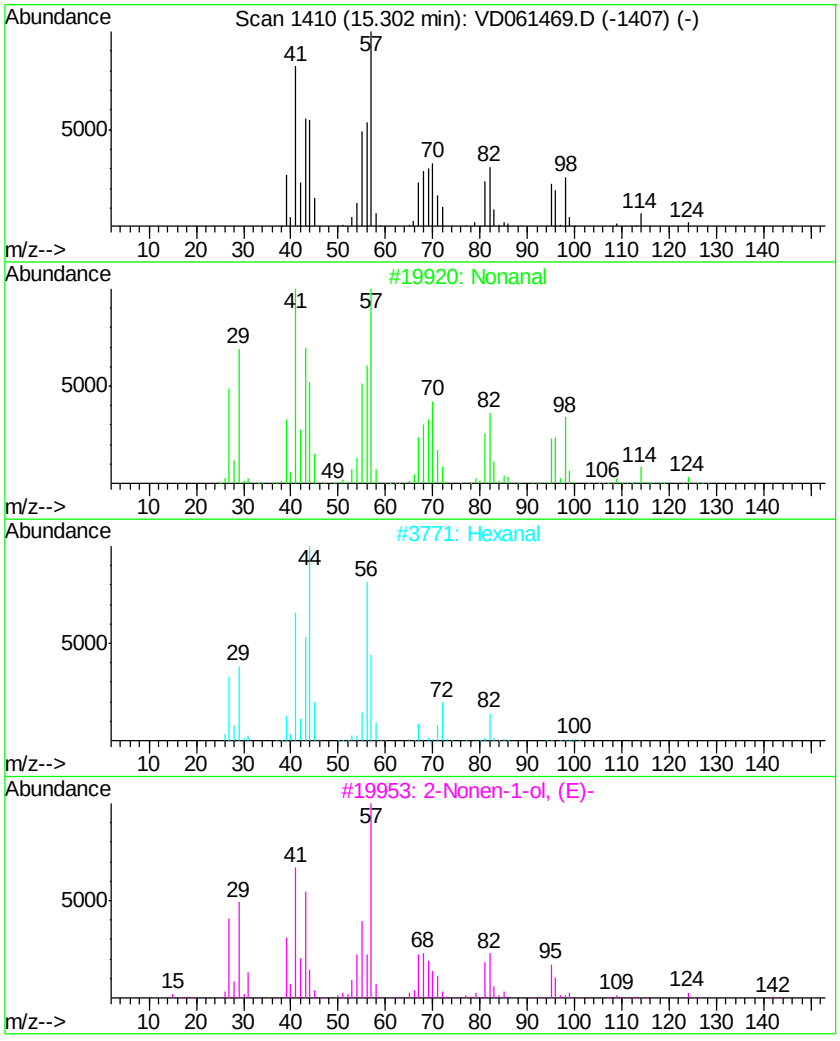
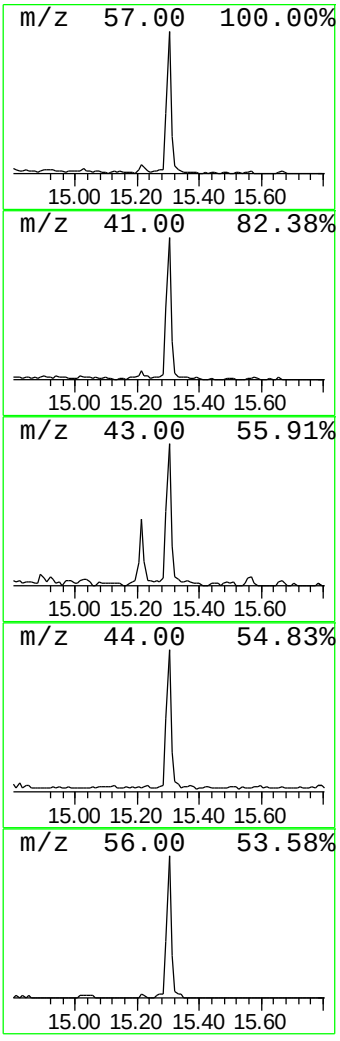
Peak Number 10 Nonanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	9.70 ug/l	303621	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Hexanal	100	C6H12O	000066-25-1	38
3	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	35
4	Heptane, 4-chloro-	134	C7H15Cl	000998-95-8	27
5	Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	22





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Butanol	8.63	7.3	ug/l	258561	2	8.22	1776140	50.0
Propane, 1-(methy...	8.98	56.2	ug/l	1997150	2	8.22	1776140	50.0
Butane, 1-(methyl...	11.63	11.8	ug/l	467072	3	12.38	1984580	50.0
Hexanal	11.70	21.6	ug/l	858304	3	12.38	1984580	50.0
Heptanal	13.32	8.1	ug/l	320688	3	12.38	1984580	50.0
Octanal	14.44	9.0	ug/l	283053	4	14.53	1565640	50.0
1-Hexanol, 2-ethyl-	14.70	16.9	ug/l	529045	4	14.53	1565640	50.0
Nonanal	15.30	9.7	ug/l	303621	4	14.53	1565640	50.0