LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

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_W\METHOD\82W100119S.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	4.135	352	366	398	rBV	2621412	8343190	11.18%	3.190%
2	5.220	527	544	569	rBV2	291400	1689589	2.26%	0.646%
3	7.921	971	987	998	rBV3	1214948	3663001	4.91%	1.401%
4	8.031	998	1005	1015	rVB	359084	893291	1.20%	0.342%
5	8.153	1015	1025	1034	rBV	1565245	3523763	4.72%	1.347%
6	8.689	1104	1113	1124	rBV	1109714	2250628	3.02%	0.861%
7	8.841	1130	1138	1144	rBV	394905	796404	1.07%	0.305%
8	9.433	1224	1235	1243	rVB	903847	1829241	2.45%	0.699%
9	10.213	1355	1363	1373	rBV	1065845	1937029	2.60%	0.741%
10	10.323	1373	1381	1385	rBV	711167	1323466	1.77%	0.506%
11	10.390	1385	1392	1404	rVB	21648313	39895494	53.45%	15.255%
12	10.506	1404	1411	1416	rBV	535644	889406	1.19%	0.340%
13	10.573	1416	1422	1433	rBV	4829707	8218828	11.01%	3.143%
14	11.408	1551	1559	1571	rVB3	446702	1099800	1.47%	0.421%
15	11.731	1605	1612	1616	rBV	534714	905777	1.21%	0.346%
16	11.841	1622	1630	1639	rVB3	2770916	5285364	7.08%	2.021%
17	12.164	1671	1683	1690	rBV4	724001	2076435	2.78%	0.794%
18	12.249	1690	1697	1703	rVV3	508054	1026431	1.38%	0.392%
19	12.365	1713	1716	1727	rVB5	374904	1010638	1.35%	0.386%
20	12.524	1736	1742	1747	rBV	3594774	6201919	8.31%	2.371%
21	12.865	1791	1798	1801	rVV	1353097	2205102	2.95%	0.843%
22	12.932	1801	1809	1815	rVB2	3013043	5993521	8.03%	2.292%
23	13.030	1821	1825	1830	rVB	717672	1000397	1.34%	0.383%
24	13.103	1830	1837	1843	rBV	475371	1128687	1.51%	0.432%
25	13.164	1843	1847	1854	rVB3	732357	1228497	1.65%	0.470%
26	13.249	1854	1861	1866	rBV	1566782	2544444	3.41%	0.973%
27	13.444	1887	1893	1897	rBV4	488353	898536	1.20%	0.344%
28	13.646	1920	1926	1932	rBV	2107561	3289935	4.41%	1.258%
29	13.871	1959	1963	1969	rBV	1861119	2719603	3.64%	1.040%
30	14.529	2063	2071	2079	rVB2	41071101	74644256	100.00%	28.542%
31	14.725	2093	2103	2107	rBV5	651335	1161355	1.56%	0.444%
32	14.779	2107	2112	2121	rVV	6066950	9255717	12.40%	3.539%
33	15.206	2177	2182	2197	rVB2	566340	1137617	1.52%	0.435%
34	16.157	2329	2338	2357	rVB2	29221072	61456019	82.33%	23.499%

LSC Area Percent Report

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Data File : VW013422.D
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Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

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_W\METHOD\82W100119S.M
Title : SW846 8260

Sum of corrected areas: 261523380

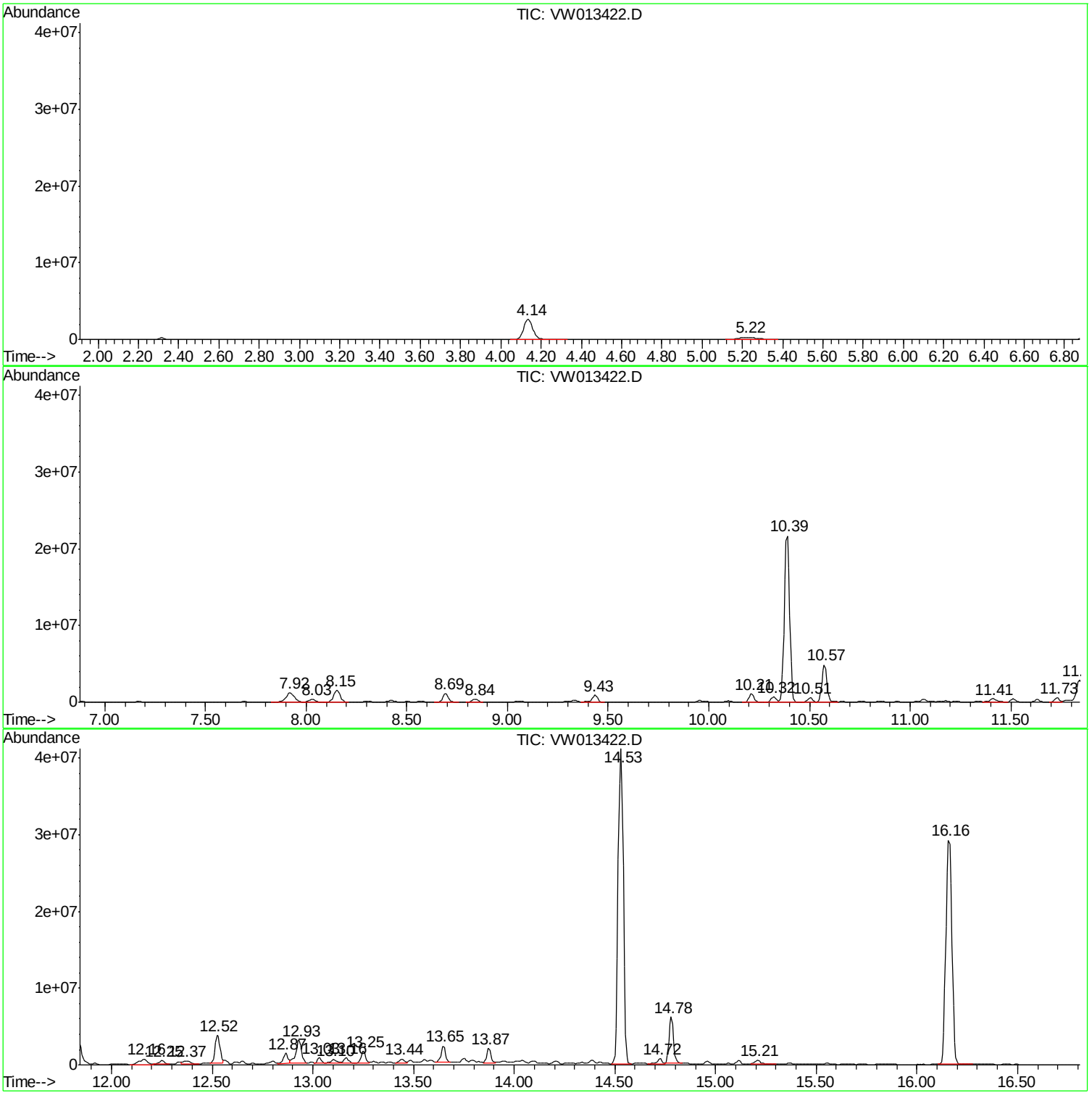
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

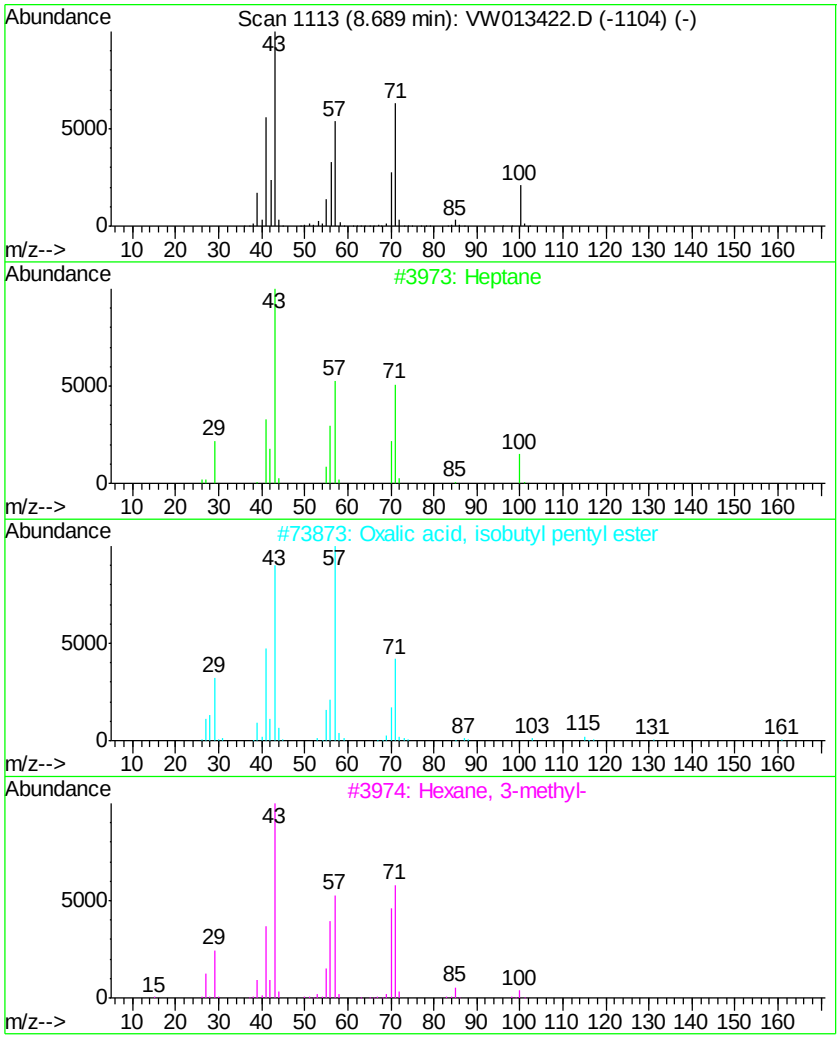
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

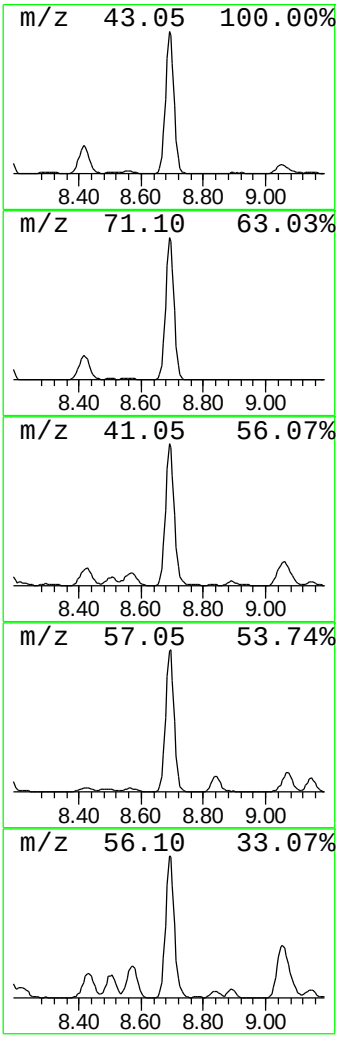
****

Peak Number 1 Heptane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	141.30 ug/l	2250630	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	53
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	47
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	47
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





Library Search Compound Report

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Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

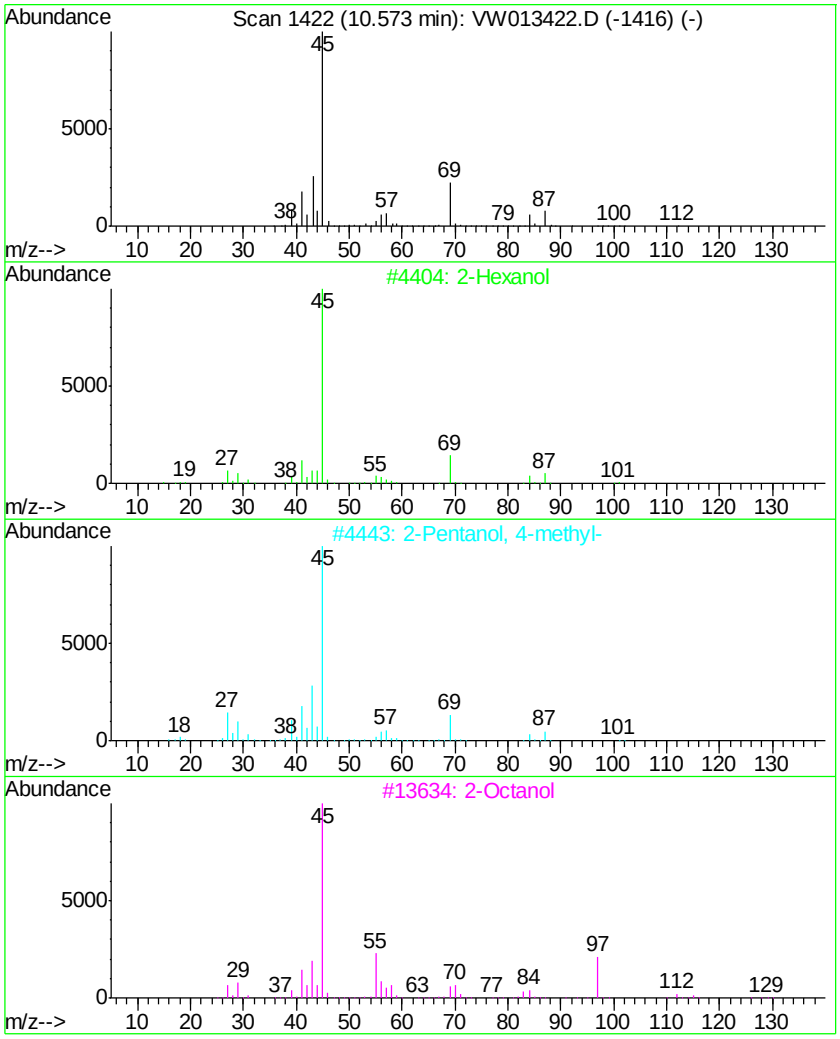
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

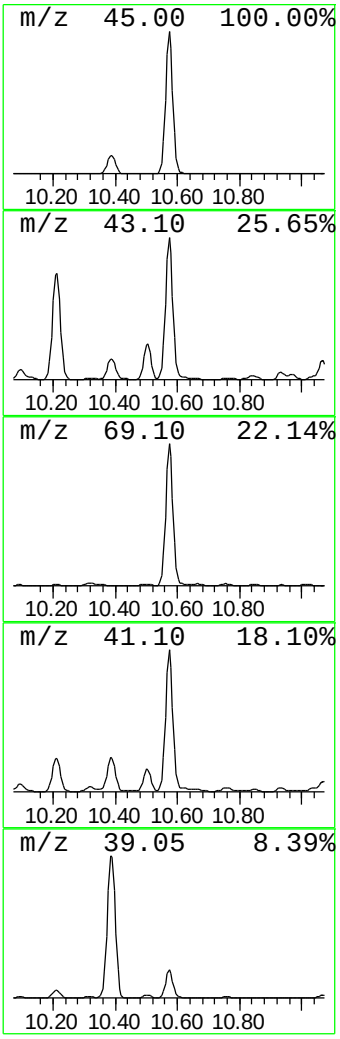
****

Peak Number 2 2-Hexanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	453.69 ug/l	8218830	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Octanol	130	C8H18O	000123-96-6	64
4	2-Octanol, (R)-	130	C8H18O	005978-70-1	64
5	2-Octanol, (S)-	130	C8H18O	006169-06-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

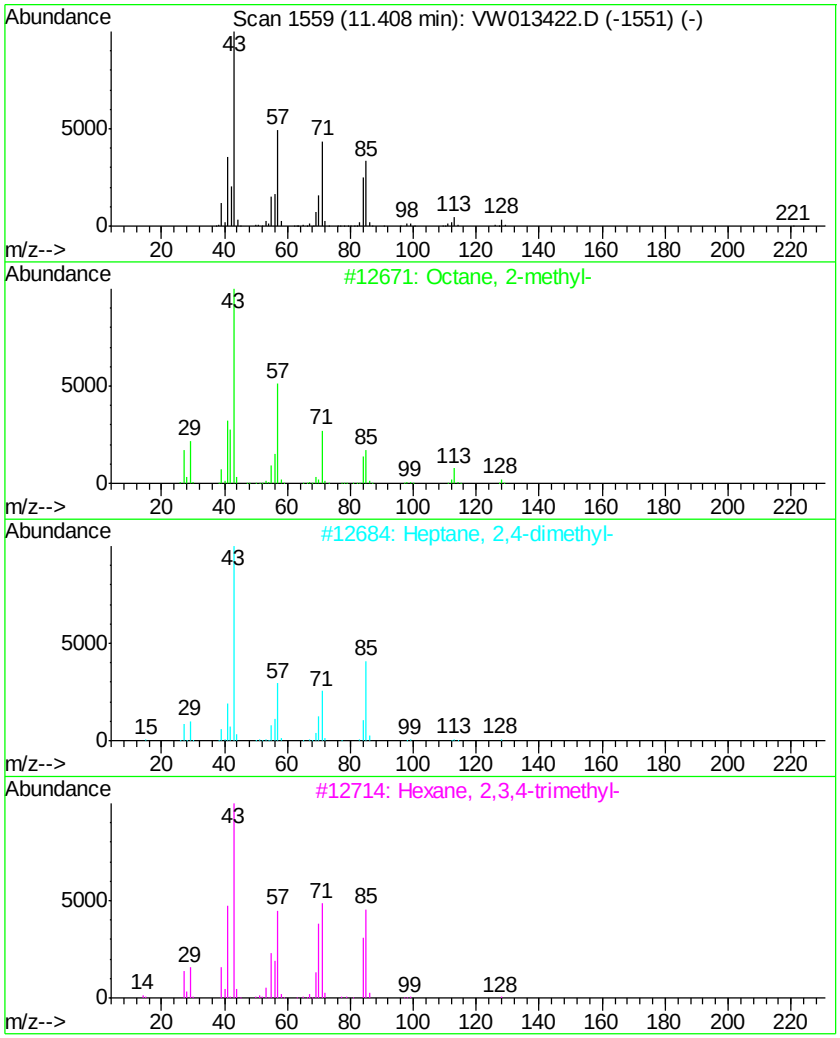
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

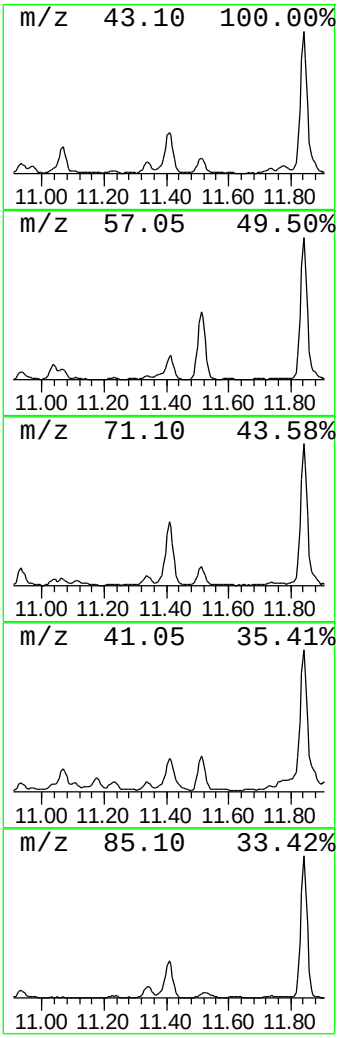
****

Peak Number 3 Octane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	60.71 ug/l	1099800	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	90
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
5	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

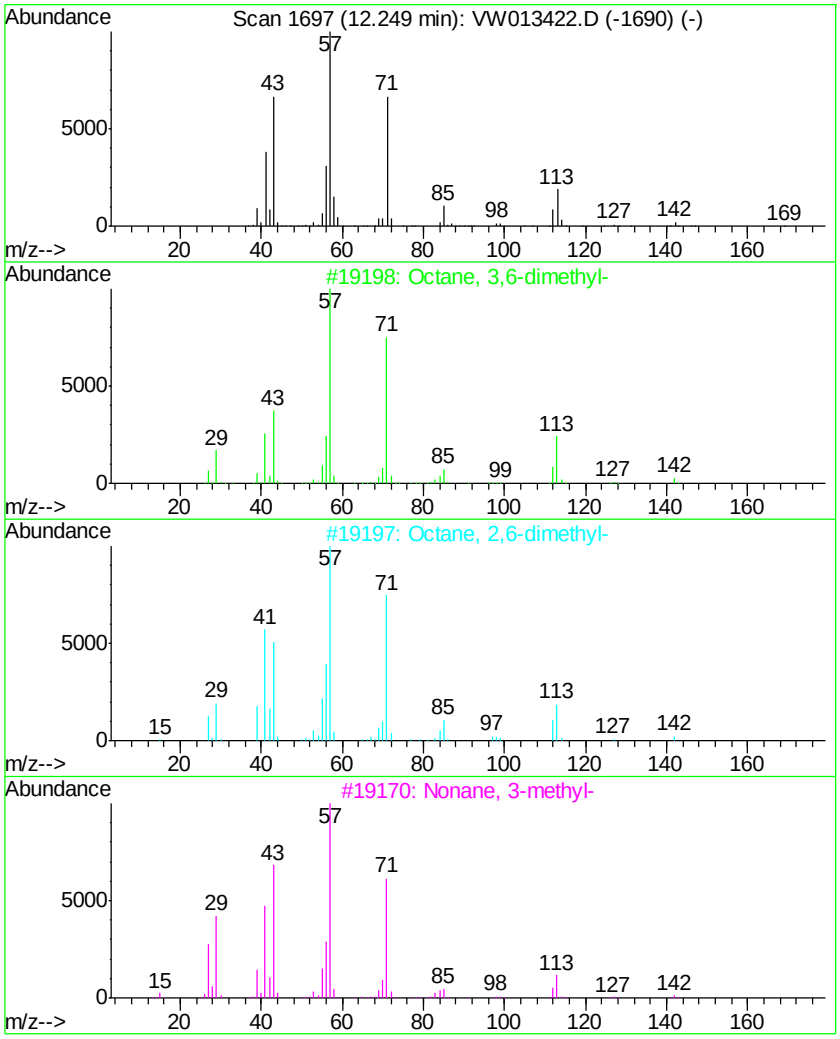
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

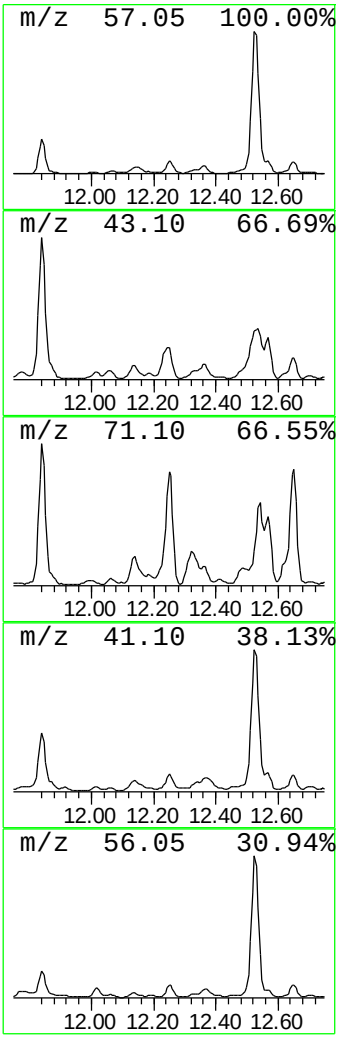
****

Peak Number 4 Octane, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	56.66 ug/l	1026430	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	80
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

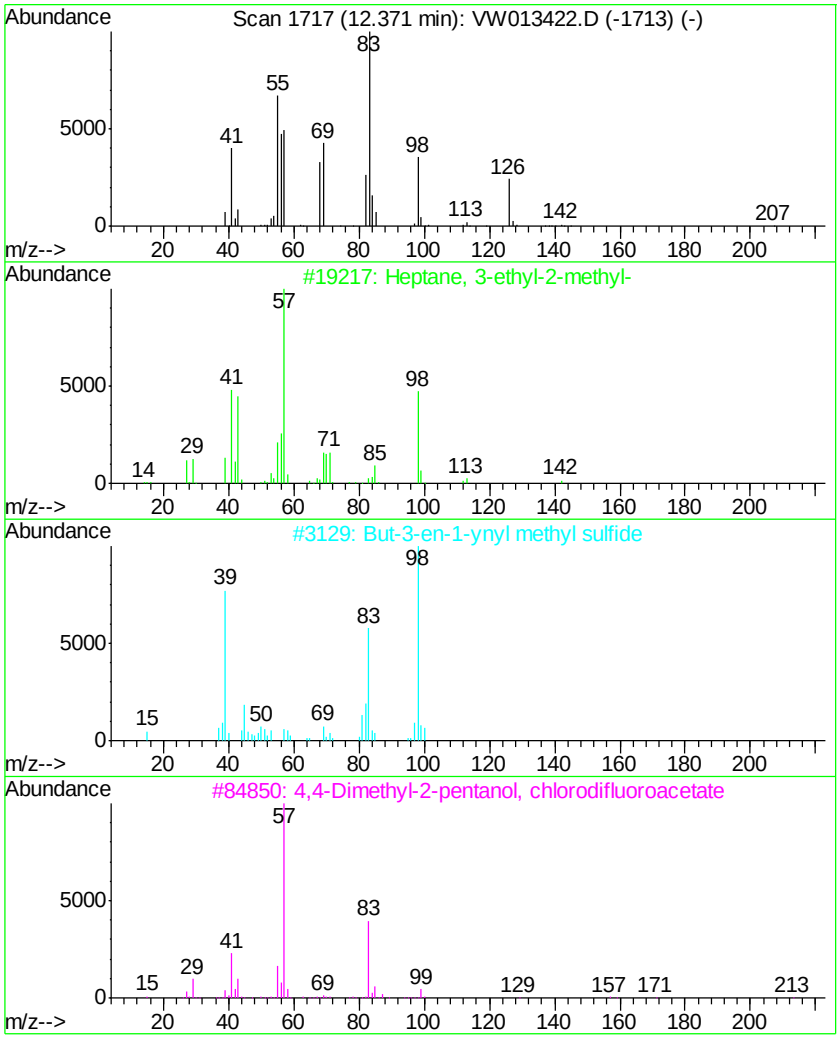
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

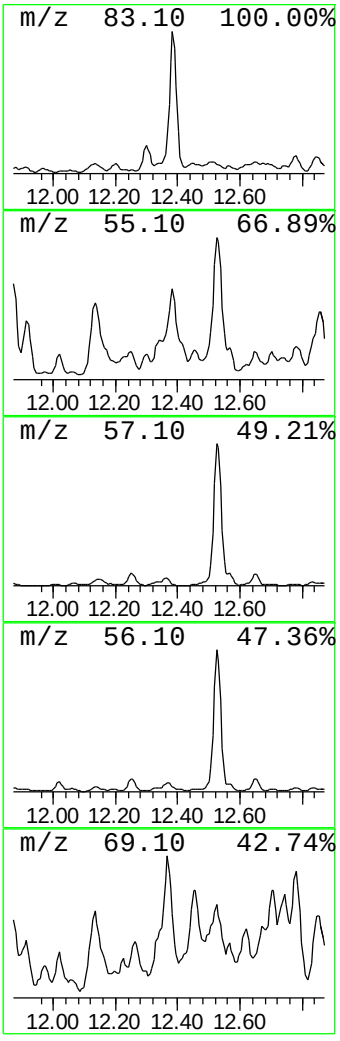
****

Peak Number 5 unknown12.37 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	55.79 ug/l	1010640	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
2	But-3-en-1-ynyl methyl sulfide	98	C5H6S	1000298-90-8	38
3	4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	27
4	1H-1,2,4-Triazol-5-amine, 1-methyl-	98	C3H6N4	015795-39-8	22
5	1-Azacyclononan-2-one	141	C8H15NO	000935-30-8	17





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Sample : K5176-02
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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

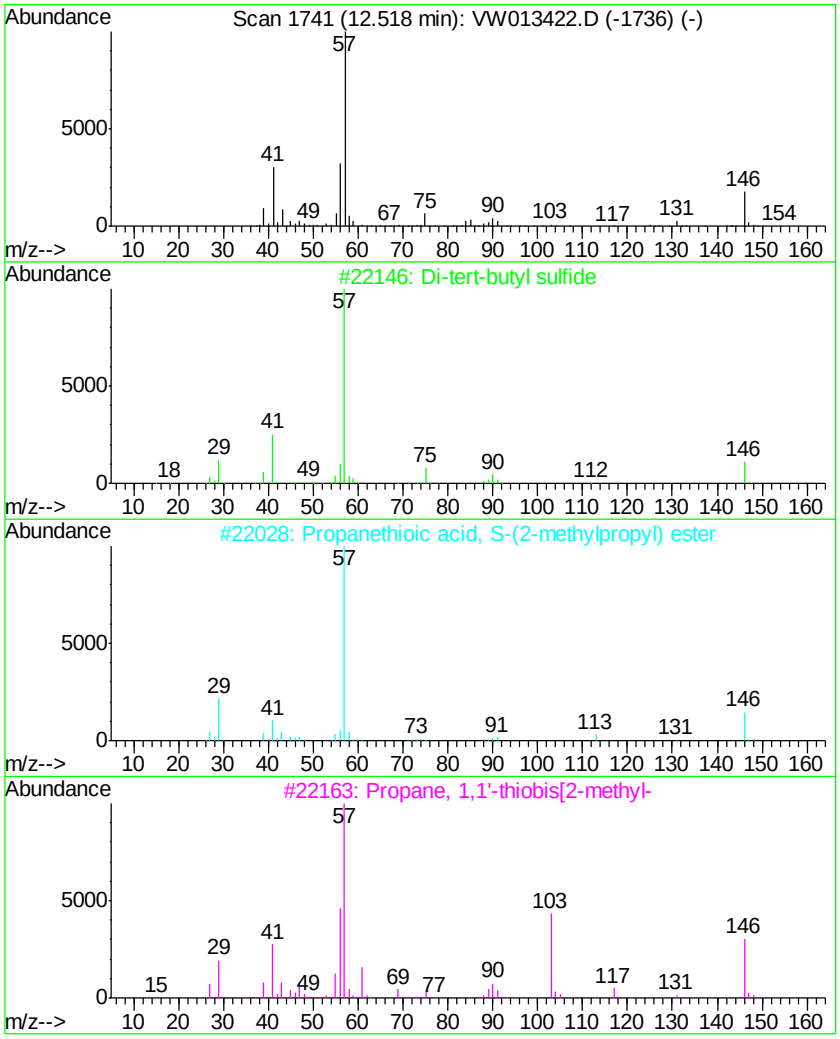
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

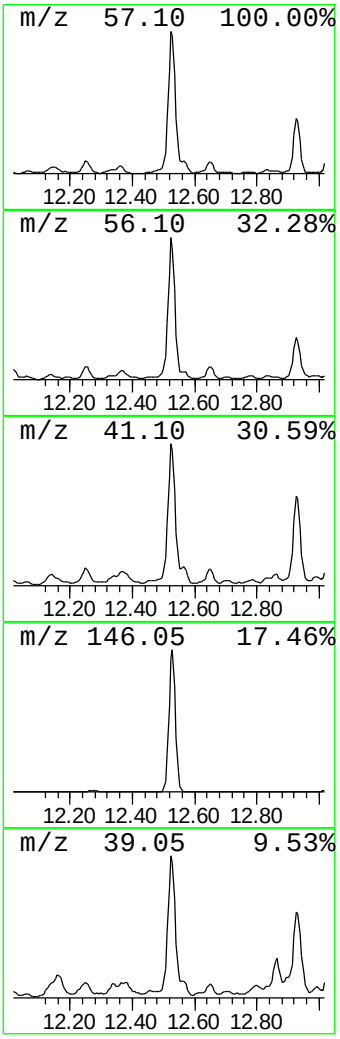
****

Peak Number 6 Di-tert-butyl sulfide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	342.35 ug/l	6201920	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	64
2	Propanethioic acid, S-(2-methylp...	146	C7H14OS	002432-48-6	52
3	Propane, 1,1'-thiobis[2-methyl-	146	C8H18S	000592-65-4	45
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	38
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	38





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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

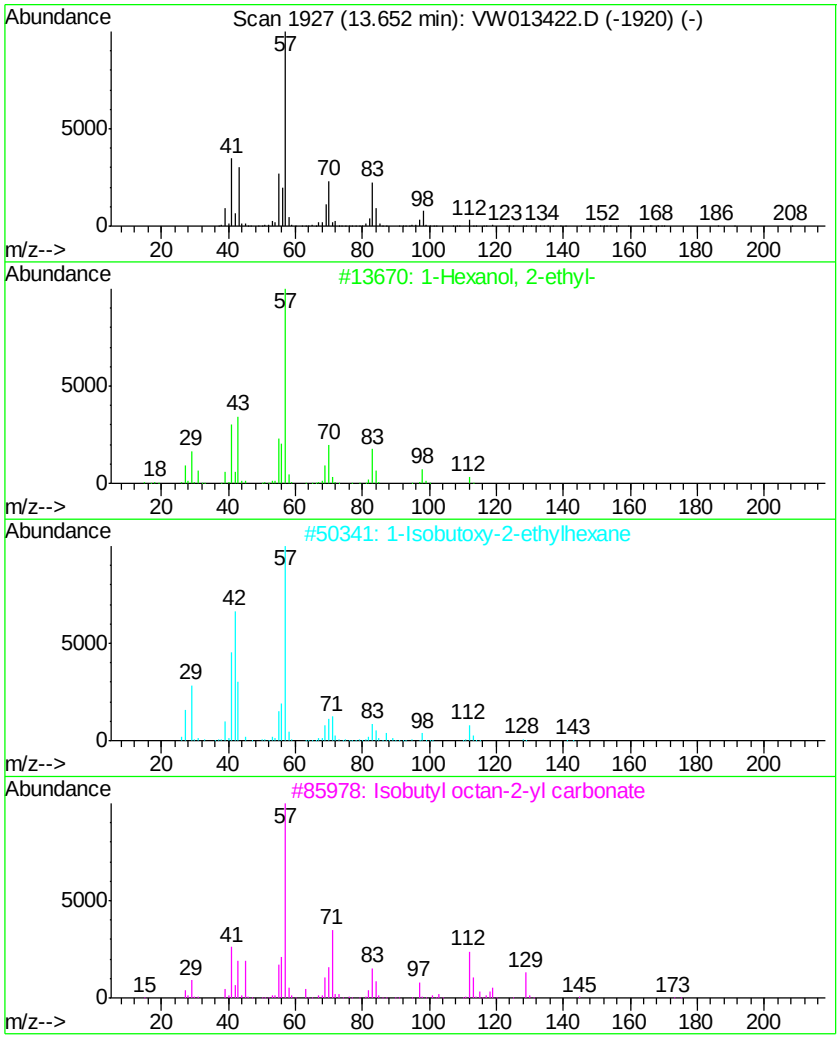
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

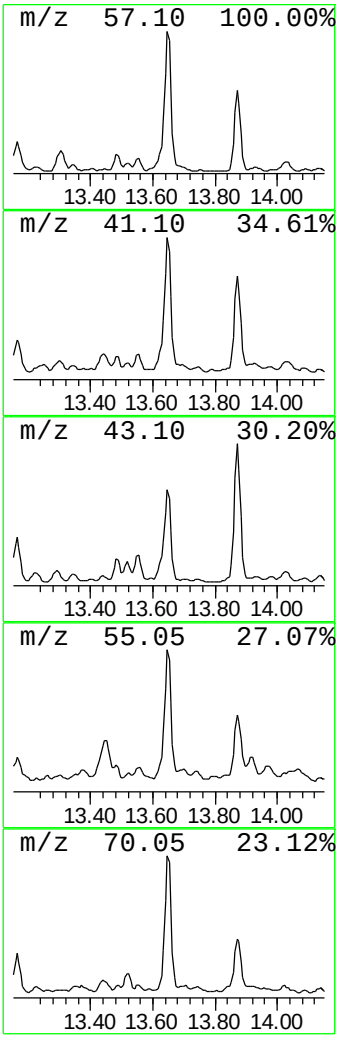
****

Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	50.00 ug/l	3289940	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	72
3	Isobutyl octan-2-yl carbonate	230	C13H26O3	1000372-74-7	64
4	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	53
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	53





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

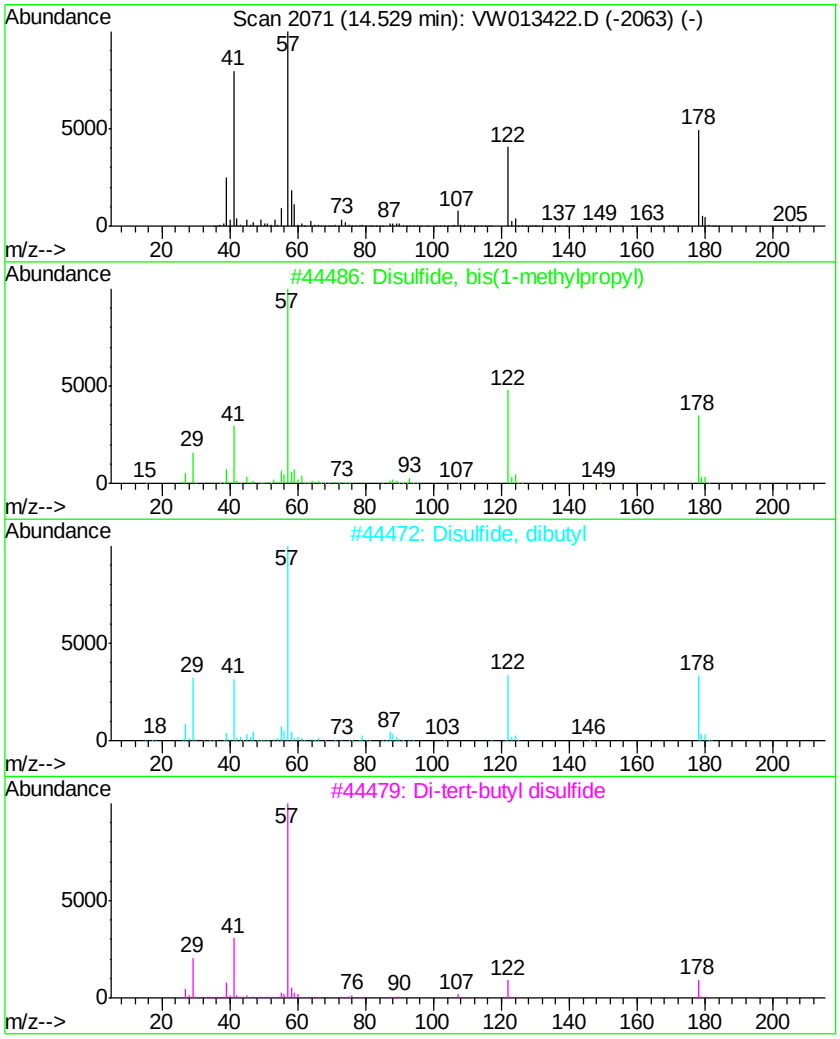
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

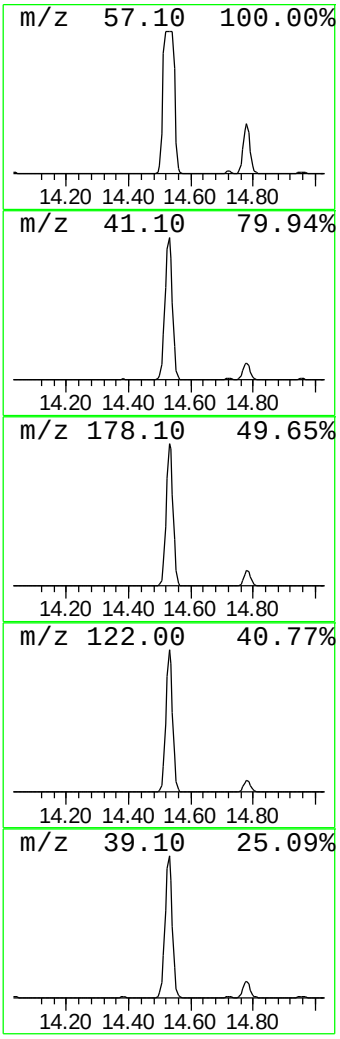
****

Peak Number 8 Disulfide, bis(1-methylpropyl) Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	1134.43 ug/l	74644300	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, bis(1-methylpropyl)	178	C8H18S2	005943-30-6	83
2	Disulfide, dibutyl	178	C8H18S2	000629-45-8	72
3	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	38
4	9-Borabicyclo[3.3.1]nonane, 9-(1...	178	C12H23B	053317-06-9	9
5	2-Propen-1-ol	58	C3H6O	000107-18-6	9





Library Search Compound Report

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

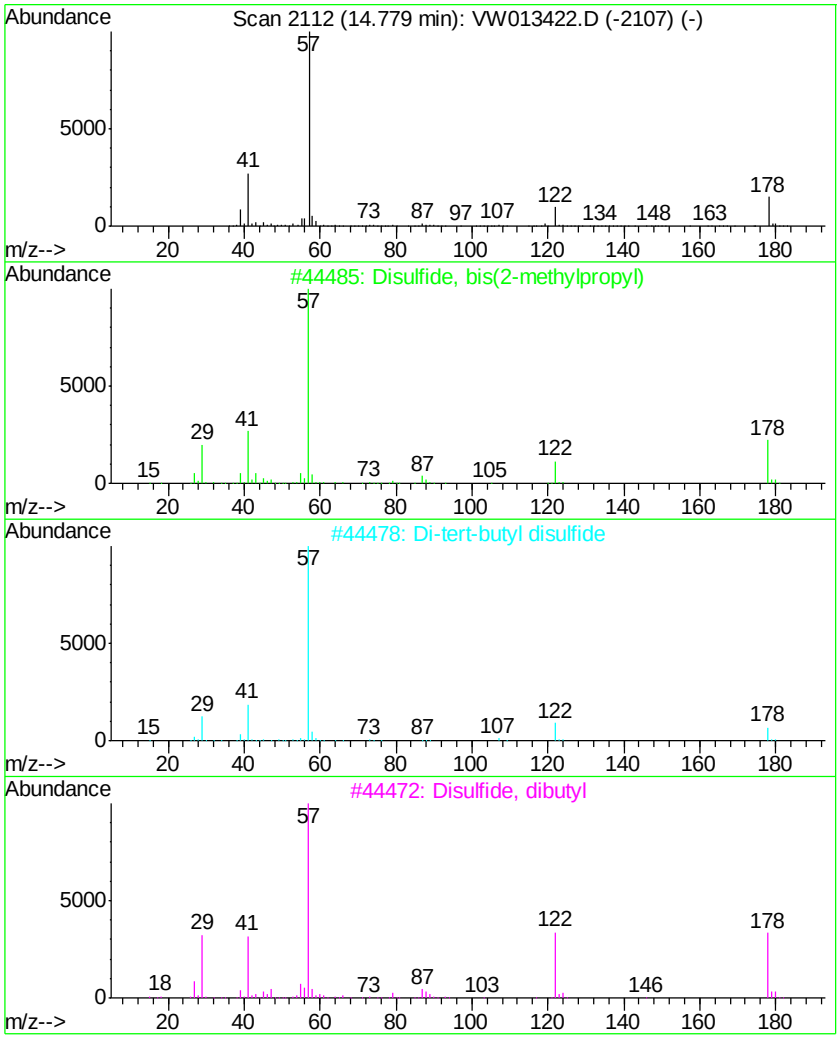
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

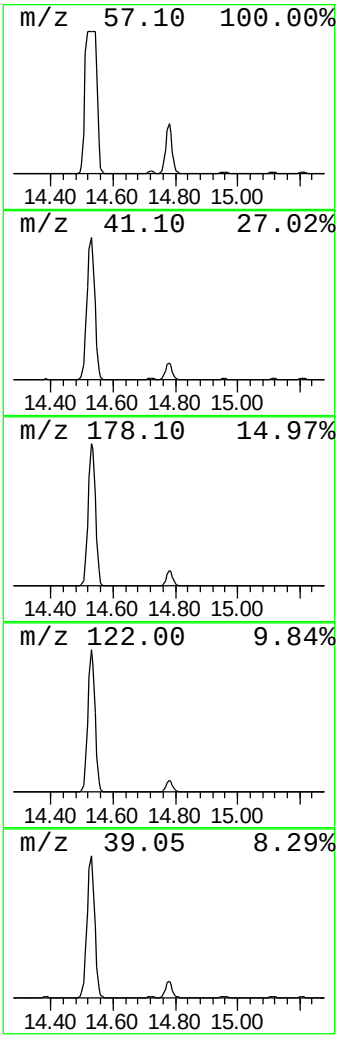
****

Peak Number 9 Disulfide, bis(2-methylpropyl) Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	140.67 ug/l	9255720	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, bis(2-methylpropyl)	178	C8H18S2	001518-72-5	74
2	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	59
3	Disulfide, dibutyl	178	C8H18S2	000629-45-8	49
4	Disulfide, bis(1-methylpropyl)	178	C8H18S2	005943-30-6	43
5	Disulfide, (1,1-dimethylethyl)(1...	178	C8H18S2	072437-46-8	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

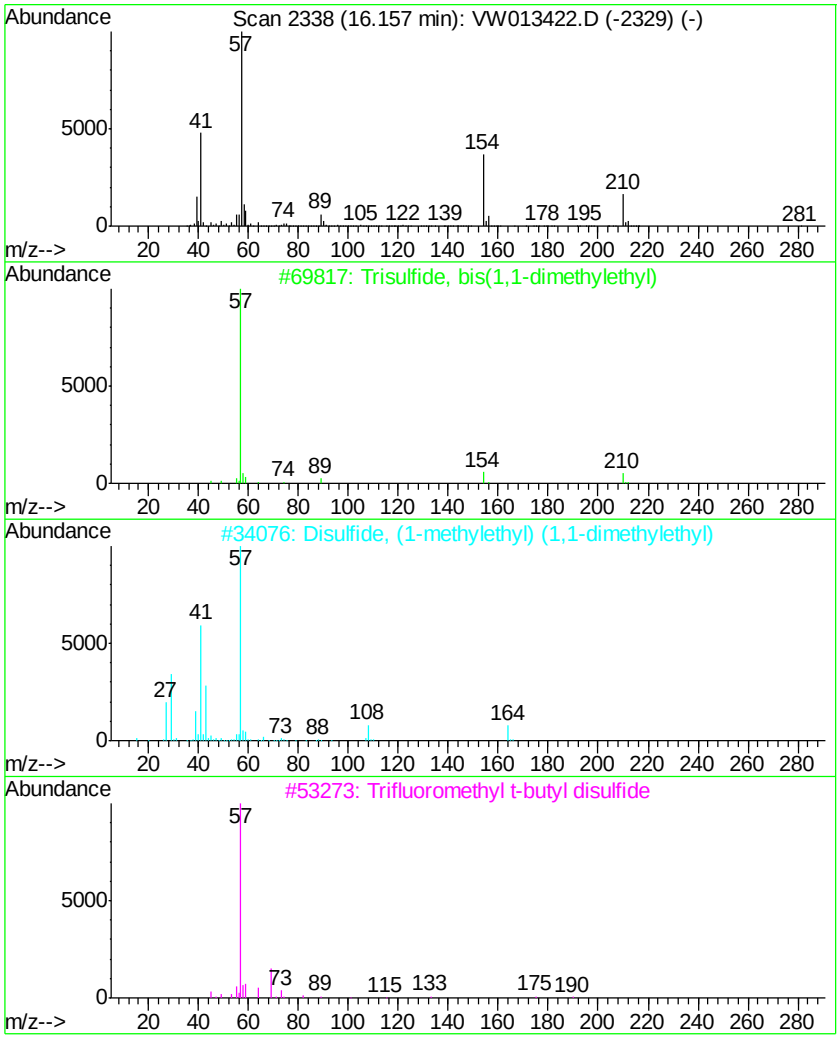
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

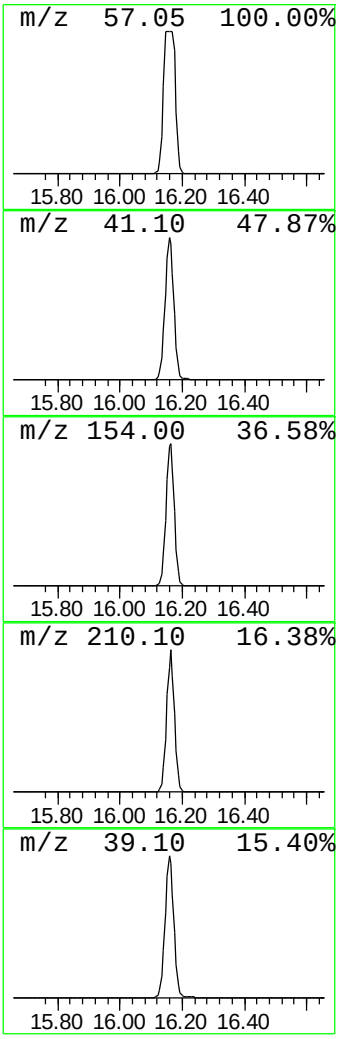
****

Peak Number 10 unknown16.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	934.00 ug/l	61456000	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisulfide, bis(1,1-dimethylethyl)	210	C8H18S3	004253-90-1	43
2	Disulfide, (1-methylethyl) (1,1-...	164	C7H16S2	043022-60-2	35
3	Trifluoromethyl t-butyl disulfide	190	C5H9F3S2	145372-23-2	16
4	Propanoic acid, 2,2-dimethyl-, s...	208	C5H9AgO2	007324-58-5	10
5	o-tert-Butylhydroxylamine	89	C4H11NO	1000322-43-1	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Data File : VW013422.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 30440-3077

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.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
Heptane	8.69	141.3	ug/l	2250630	2	8.84	796404	50.0
2-Hexanol	10.57	453.7	ug/l	8218830	3	11.63	905777	50.0
Octane, 2-methyl-	11.41	60.7	ug/l	1099800	3	11.63	905777	50.0
Octane, 3,6-dimet...	12.25	56.7	ug/l	1026430	3	11.63	905777	50.0
unknown12.37	12.37	55.8	ug/l	1010640	3	11.63	905777	50.0
Di-tert-butyl sul...	12.52	342.4	ug/l	6201920	3	11.63	905777	50.0
1-Hexanol, 2-ethyl-	13.65	50.0	ug/l	3289940	4	13.56	3289940	50.0
Disulfide, bis(1-...	14.53	1134.4	ug/l	74644300	4	13.56	3289940	50.0
Disulfide, bis(2-...	14.78	140.7	ug/l	9255720	4	13.56	3289940	50.0
unknown16.16	16.16	934.0	ug/l	61456000	4	13.56	3289940	50.0