LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
Data File : VD066754.D
Acq On : 17 Sep 2020 19:41
Operator : VA/SY
Sample : L4051-05
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

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\82D091520S.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	1.950	3	5	15	rVB	664802	723626	31.42%	4.546%
2	2.167	36	42	51	rBV	184725	247010	10.73%	1.552%
3	2.344	63	72	82	rBV	268865	445727	19.35%	2.800%
4	3.038	181	190	198	rBV	107626	233106	10.12%	1.464%
5	3.403	243	252	259	rBV3	24667	58910	2.56%	0.370%
6	4.150	367	379	392	rBV	45703	145950	6.34%	0.917%
7	4.961	504	517	527	rBV8	30267	123850	5.38%	0.778%
8	5.491	593	607	618	rBV4	25272	86319	3.75%	0.542%
9	5.997	683	693	702	rVB7	9636	33756	1.47%	0.212%
10	6.767	813	824	835	rVB8	12212	39800	1.73%	0.250%
11	6.920	842	850	852	rBV3	11334	23403	1.02%	0.147%
12	7.020	858	867	869	rBV4	16299	30848	1.34%	0.194%
13	7.208	887	899	909	rBV5	22045	67714	2.94%	0.425%
14	7.726	979	987	999	rVB4	20852	61863	2.69%	0.389%
15	7.914	1007	1019	1024	rBV	305718	740286	32.14%	4.651%
16	7.979	1024	1030	1039	rVV	557343	1251578	54.35%	7.863%
17	8.055	1039	1043	1054	rVB3	38562	96580	4.19%	0.607%
18	8.244	1068	1075	1081	rBV6	25272	52625	2.29%	0.331%
19	8.332	1081	1090	1099	rVV	271122	605656	26.30%	3.805%
20	8.449	1103	1110	1118	rBV6	18195	50744	2.20%	0.319%
21	8.526	1118	1123	1129	rVV6	12852	26353	1.14%	0.166%
22	8.602	1129	1136	1141	rVB5	21580	51169	2.22%	0.321%
23	8.861	1172	1180	1190	rBV	759549	1524697	66.20%	9.578%
24	9.173	1226	1233	1242	rVB	27529	55121	2.39%	0.346%
25	9.349	1249	1263	1269	rBV4	123517	375880	16.32%	2.361%
26	9.402	1269	1272	1279	rVB	44534	74594	3.24%	0.469%
27	9.602	1298	1306	1307	rBV4	32097	66306	2.88%	0.417%
28	9.767	1326	1334	1341	rBV3	49066	101922	4.43%	0.640%
29	9.908	1351	1358	1364	rBV3	31709	73292	3.18%	0.460%
30	9.961	1364	1367	1377	rVB5	19160	35308	1.53%	0.222%
31	10.096	1380	1390	1395	rBV3	48178	110632	4.80%	0.695%
32	10.144	1395	1398	1406	rVB4	19833	38005	1.65%	0.239%
33	10.261	1414	1418	1423	rVB3	21001	34174	1.48%	0.215%
34	10.338	1423	1431	1451	rBV	1219612	2303021	100.00%	14.468%

LSC Area Percent Report

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Sample : L4051-05
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

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\82D091520S.M
Title : SW846 8260

35	10.502	1451	1459	1470	rVB3	72528	167084	7.25%	1.050%
36	10.638	1470	1482	1483	rBV6	19951	44346	1.93%	0.279%
37	10.673	1483	1488	1494	rVB2	71566	124602	5.41%	0.783%
38	10.773	1499	1505	1510	rBV6	45221	99855	4.34%	0.627%
39	10.814	1510	1512	1517	rVB2	31813	33548	1.46%	0.211%
40	10.861	1517	1520	1525	rVB5	23183	35087	1.52%	0.220%
41	10.949	1529	1535	1543	rVB3	42786	92608	4.02%	0.582%
42	11.049	1543	1552	1556	rBV4	41934	84239	3.66%	0.529%
43	11.126	1560	1565	1567	rBV3	23802	38403	1.67%	0.241%
44	11.243	1579	1585	1590	rBV2	104664	187575	8.14%	1.178%
45	11.296	1590	1594	1598	rVB4	26706	36549	1.59%	0.230%
46	11.349	1598	1603	1608	rBV6	25226	45813	1.99%	0.288%
47	11.449	1615	1620	1627	rVB6	31240	61010	2.65%	0.383%
48	11.643	1644	1653	1662	rBV	1014629	1785352	77.52%	11.216%
49	11.838	1679	1686	1690	rBV8	18781	40286	1.75%	0.253%
50	11.885	1690	1694	1707	rVB9	28183	93931	4.08%	0.590%
51	12.143	1732	1738	1745	rBV7	28210	67565	2.93%	0.424%
52	12.355	1763	1774	1775	rBV9	23310	50821	2.21%	0.319%
53	12.379	1775	1778	1785	rVB7	18714	33725	1.46%	0.212%
54	12.455	1785	1791	1794	rBV6	15713	27666	1.20%	0.174%
55	12.632	1814	1821	1829	rVB	695918	1134894	49.28%	7.130%
56	12.790	1844	1848	1854	rVB5	23916	43725	1.90%	0.275%
57	12.896	1856	1866	1869	rVV5	9247	29493	1.28%	0.185%
58	12.943	1869	1874	1886	rVV5	21680	79362	3.45%	0.499%
59	13.579	1974	1982	1990	rBV	674828	1116513	48.48%	7.014%
60	13.896	2032	2036	2040	rBV6	15936	27526	1.20%	0.173%
61	14.873	2199	2202	2209	rVB4	26057	46749	2.03%	0.294%
62	14.996	2218	2223	2227	rBV8	13247	25142	1.09%	0.158%
63	15.102	2234	2241	2244	rBV9	15243	31235	1.36%	0.196%
64	15.167	2246	2252	2253	rBV6	15503	23800	1.03%	0.150%
65	15.373	2282	2287	2293	rBV7	25551	51993	2.26%	0.327%
66	15.443	2296	2299	2302	rBV5	16635	25016	1.09%	0.157%
67	15.784	2354	2357	2363	rVB8	49883	86969	3.78%	0.546%
68	16.349	2451	2453	2462	rVB9	28816	55675	2.42%	0.350%

Sum of corrected areas: 15917982

LSC Report - Integrated Chromatogram

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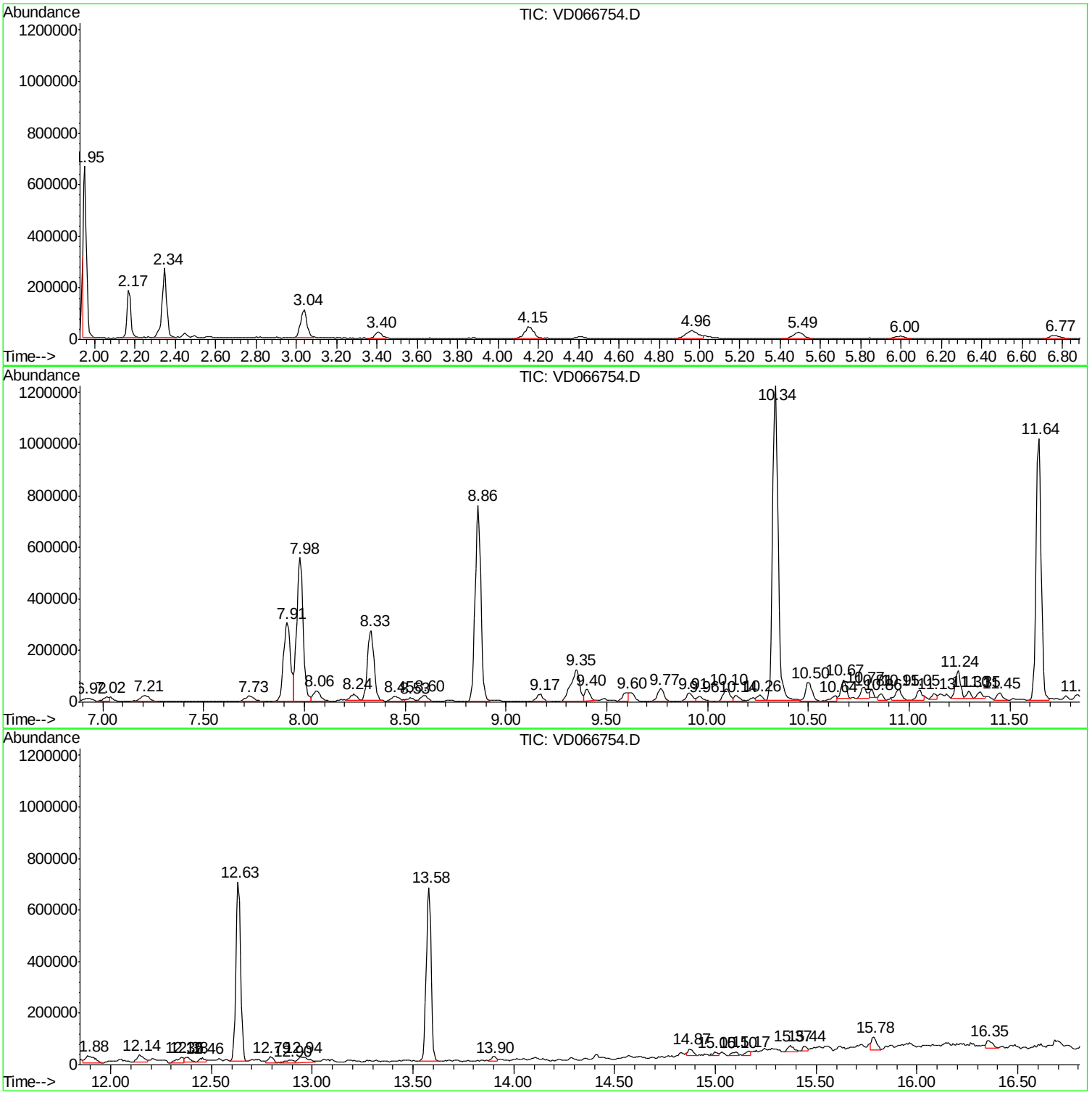
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260

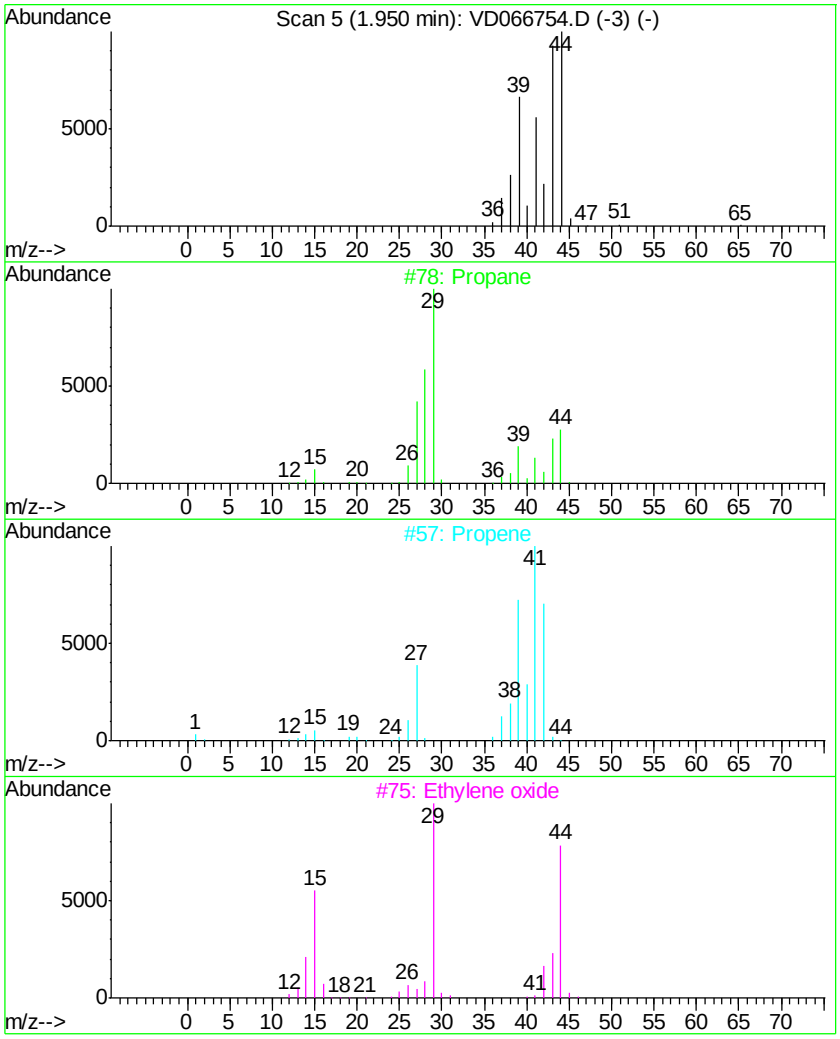
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

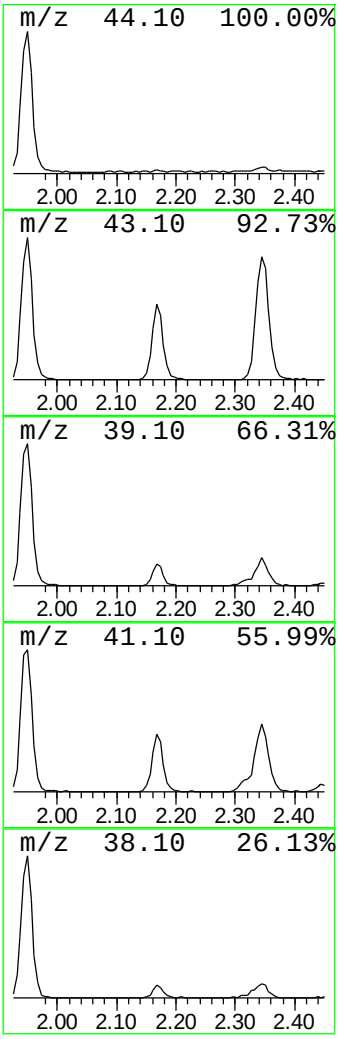
****

Peak Number 1 Propane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	28.91 ug/l	723626	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	90
2	Propene	42	C3H6	000115-07-1	9
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Acetaldehyde	44	C2H4O	000075-07-0	5
5	Ethyne, fluoro-	44	C2HF	002713-09-9	3





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
Data File : VD066754.D
Acq On : 17 Sep 2020 19:41
Operator : VA/SY
Sample : L4051-05
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260

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

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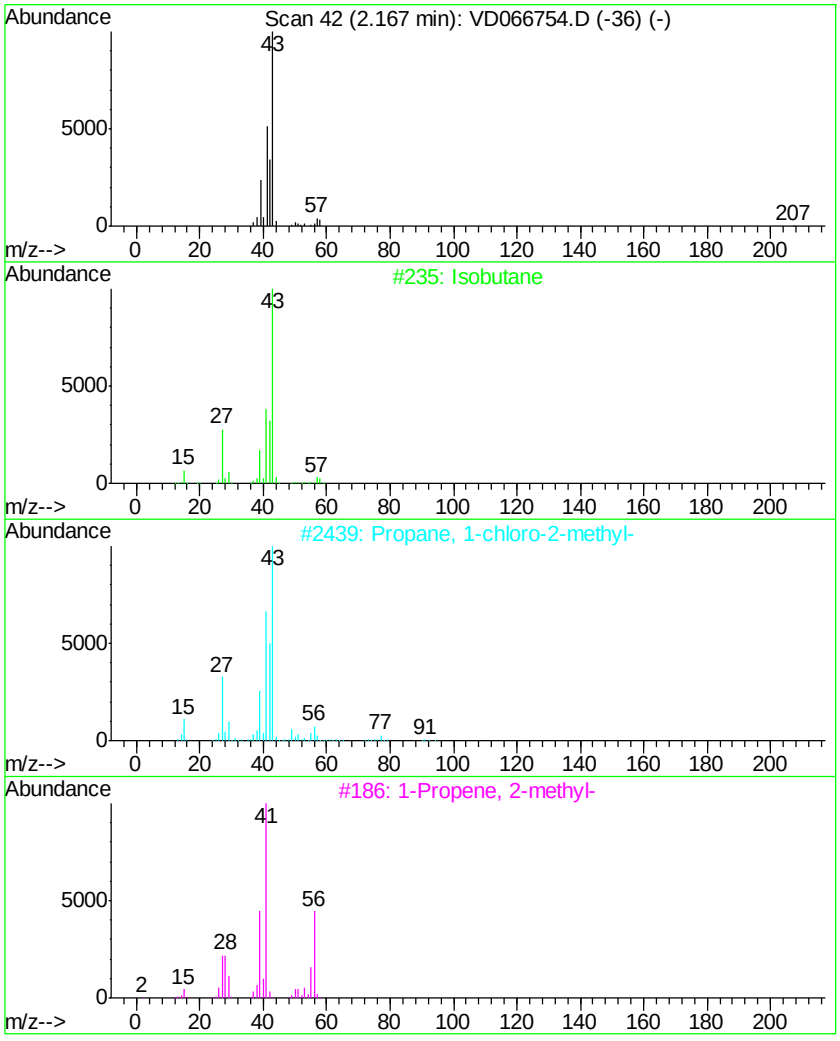
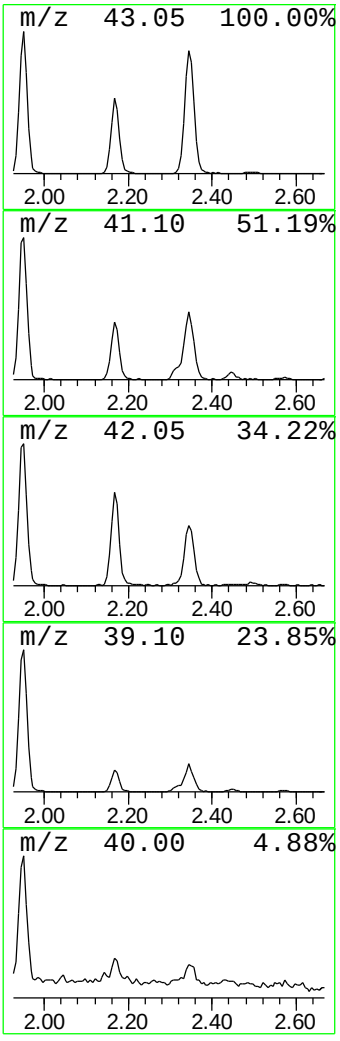
Peak Number 2 Isobutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	9.87 ug/l	247010	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9
4	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
5	1-Butene	56	C4H8	000106-98-9	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
Data File : VD066754.D
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Operator : VA/SY
Sample : L4051-05
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260

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

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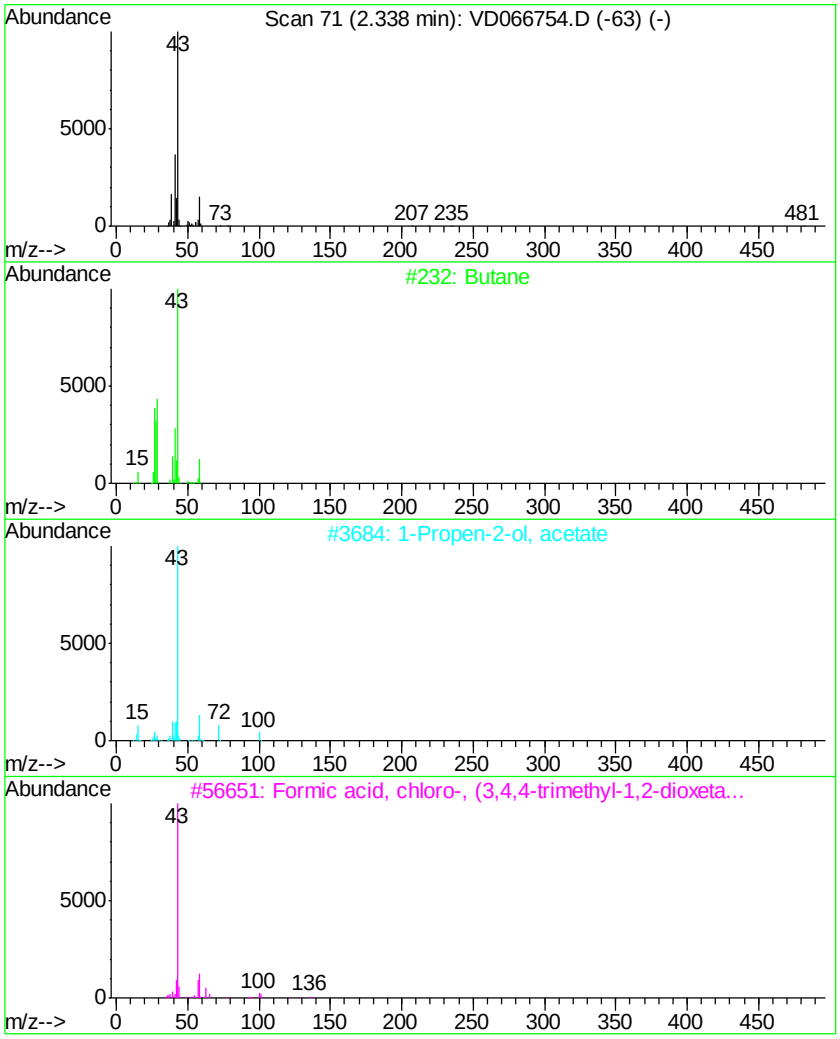
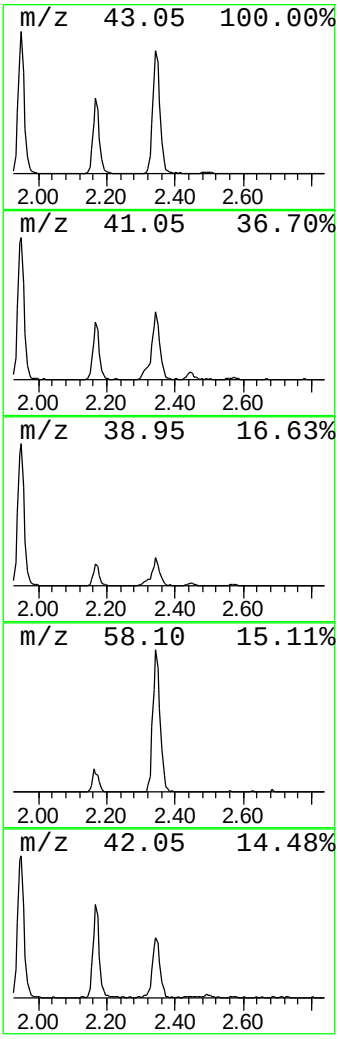
Peak Number 3 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	17.81 ug/l	445727	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	56
3	Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	39
4	Isobutane	58	C4H10	000075-28-5	9
5	Hydroperoxide, 1-methylethyl	76	C3H8O2	003031-75-2	9





Library Search Compound Report

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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260

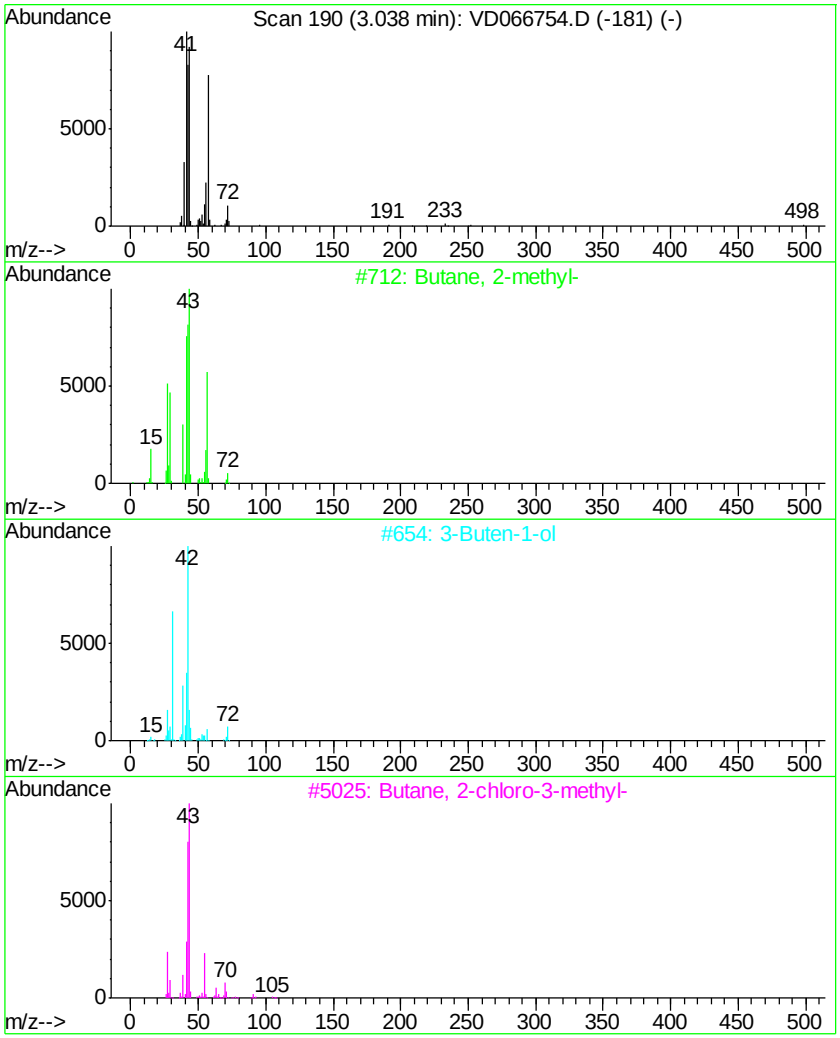
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

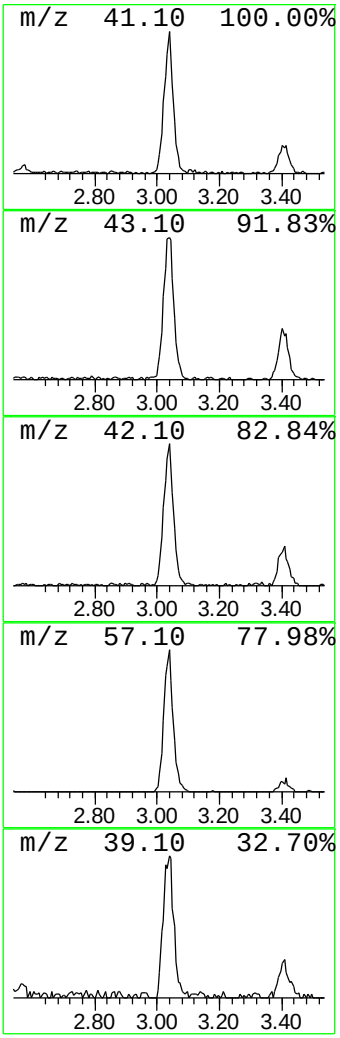
****

Peak Number 4 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.04	9.31 ug/l	233106	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Butane, 2-chloro-3-methyl-	106	C5H11Cl	000631-65-2	37
4	Isobutylene epoxide	72	C4H8O	000558-30-5	33
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	28





Library Search Compound Report

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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : KTS-ST-02-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260

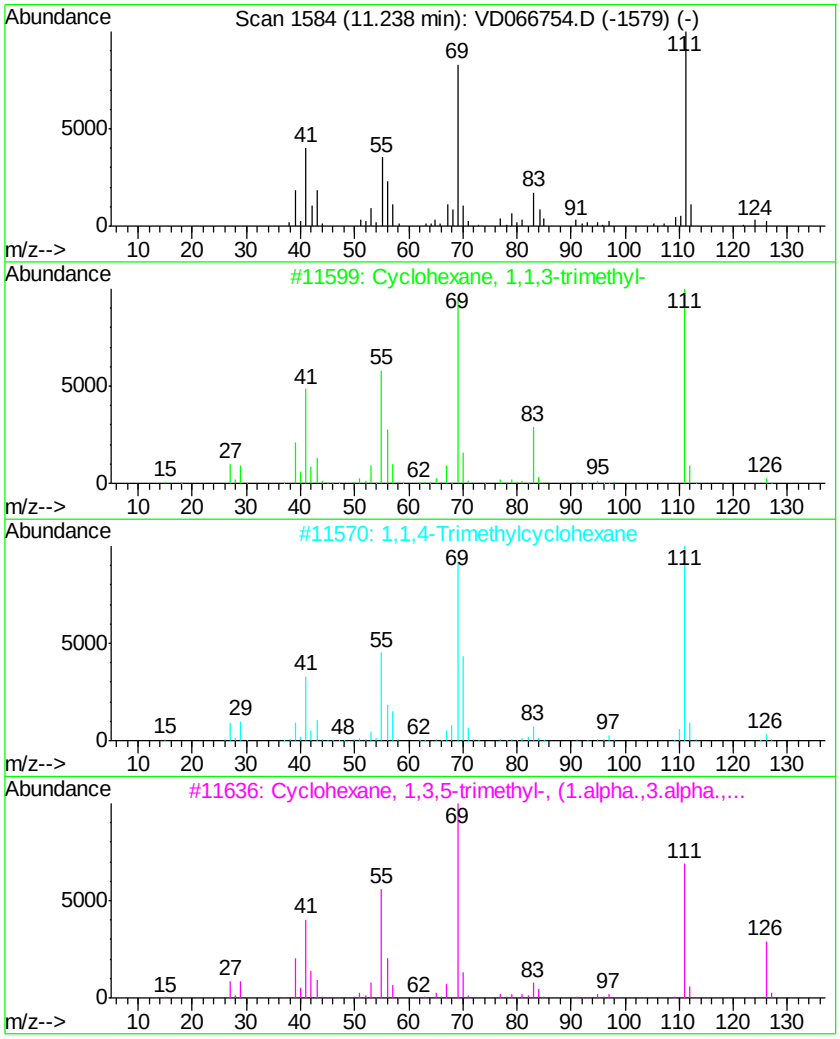
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

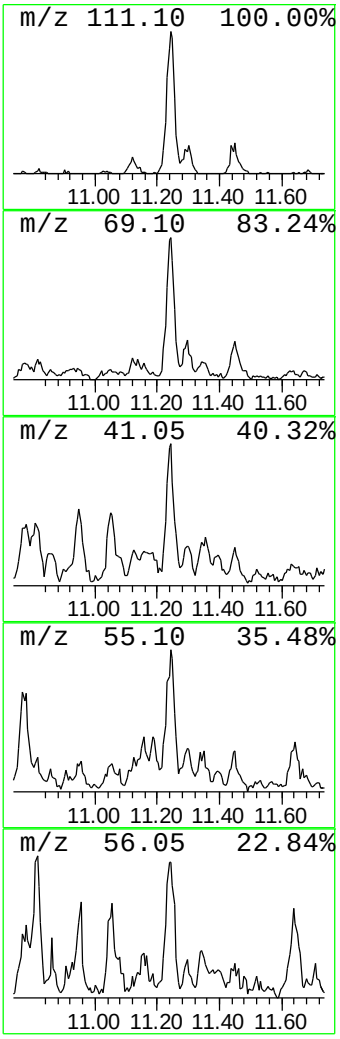
****

Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	5.25 ug/l	187575	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	74
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	50
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091720\
Data File : VD066754.D
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Operator : VA/SY
Sample : L4051-05
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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
Propane	1.95	28.9	ug/l	723626	1	7.98	1251580	50.0
Isobutane	2.17	9.9	ug/l	247010	1	7.98	1251580	50.0
Butane	2.34	17.8	ug/l	445727	1	7.98	1251580	50.0
Butane, 2-methyl-	3.04	9.3	ug/l	233106	1	7.98	1251580	50.0
Cyclohexane, 1,1,...	11.24	5.3	ug/l	187575	3	11.64	1785350	50.0