LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM062018S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.636	6	8	12	rVB2	544	472	0.01%	0.004%
2	1.666	12	13	16	rBV2	299	311	0.01%	0.003%
3	1.703	16	19	20	rBV	412	539	0.01%	0.005%
4	1.752	20	27	28	rBV	9464	15784	0.39%	0.149%
5	1.807	28	36	56	rVV	1868049	4081069	100.00%	38.448%
6	1.953	57	60	73	rVB4	12284	24655	0.60%	0.232%
7	2.166	90	95	101	rBV5	3705	10424	0.26%	0.098%
8	2.349	116	125	139	rBV	105527	203369	4.98%	1.916%
9	2.892	208	214	227	rVB	74537	178633	4.38%	1.683%
10	3.928	382	384	386	rBV2	679	641	0.02%	0.006%
11	4.007	387	397	412	rVV	139750	429692	10.53%	4.048%
12	4.349	451	453	456	rBV2	454	532	0.01%	0.005%
13	4.459	470	471	474	rBV2	648	699	0.02%	0.007%
14	4.910	537	545	554	rBV4	5483	18874	0.46%	0.178%
15	5.166	584	587	588	rBV	390	339	0.01%	0.003%
16	5.196	588	592	593	rBV3	529	607	0.01%	0.006%
17	5.404	623	626	627	rBV2	1057	1186	0.03%	0.011%
18	5.422	627	629	631	rVV3	989	841	0.02%	0.008%
19	5.562	651	652	654	rBV	340	332	0.01%	0.003%
20	5.605	657	659	661	rVB3	366	309	0.01%	0.003%
21	5.708	674	676	677	rBV	295	295	0.01%	0.003%
22	5.751	681	683	685	rBV2	521	461	0.01%	0.004%
23	5.934	705	713	724	rVB4	3564	11391	0.28%	0.107%
24	6.105	739	741	743	rBV2	744	780	0.02%	0.007%
25	6.275	767	769	772	rBV3	411	561	0.01%	0.005%
26	6.611	822	824	826	rVB	357	289	0.01%	0.003%
27	6.641	827	829	832	rVB	367	391	0.01%	0.004%
28	6.690	834	837	842	rBV3	544	786	0.02%	0.007%
29	6.946	877	879	880	rBV	681	395	0.01%	0.004%
30	6.976	880	884	887	rBV5	577	1002	0.02%	0.009%
31	7.092	894	903	911	rBV	46470	137438	3.37%	1.295%
32	7.348	942	945	948	rVB3	531	595	0.01%	0.006%
33	7.556	974	979	980	rBV4	535	866	0.02%	0.008%
34	7.653	984	995	1011	rVB	224297	544071	13.33%	5.126%

LSC Area Percent Report

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Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM062018S.M
Title : VOC Analysis

35	7.921	1036	1039	1040	rBV3	1019	838	0.02%	0.008%
36	8.031	1053	1057	1065	rVB4	1167	1934	0.05%	0.018%
37	8.129	1070	1073	1074	rBV3	460	522	0.01%	0.005%
38	8.159	1074	1078	1085	rVB5	1787	4293	0.11%	0.040%
39	8.281	1085	1098	1115	rBV2	344616	1078487	26.43%	10.160%
40	8.403	1115	1118	1119	rBV2	824	1026	0.03%	0.010%
41	8.476	1126	1130	1133	rBV4	922	1515	0.04%	0.014%
42	8.568	1142	1145	1146	rBV	530	683	0.02%	0.006%
43	8.629	1153	1155	1161	rVB5	774	1065	0.03%	0.010%
44	8.696	1161	1166	1168	rBV3	1824	2780	0.07%	0.026%
45	8.848	1182	1191	1203	rVB	240956	474940	11.64%	4.474%
46	9.074	1223	1228	1235	rBV5	1093	2236	0.05%	0.021%
47	9.281	1253	1262	1276	rBV	305964	629844	15.43%	5.934%
48	9.470	1287	1293	1301	rVB	3241	6320	0.15%	0.060%
49	9.573	1307	1310	1313	rBV2	268	386	0.01%	0.004%
50	9.671	1319	1326	1329	rBV4	1140	2358	0.06%	0.022%
51	9.762	1332	1341	1350	rVB2	32790	65778	1.61%	0.620%
52	9.823	1350	1351	1354	rBV3	543	506	0.01%	0.005%
53	9.897	1354	1363	1371	rBV	68829	143062	3.51%	1.348%
54	10.037	1379	1386	1393	rBV	130441	238186	5.84%	2.244%
55	10.256	1415	1422	1427	rBV	20798	37168	0.91%	0.350%
56	10.329	1427	1434	1442	rVV	372572	655495	16.06%	6.175%
57	10.586	1469	1476	1487	rVB	72990	130112	3.19%	1.226%
58	10.707	1491	1496	1501	rVV6	2512	4845	0.12%	0.046%
59	10.781	1504	1508	1512	rVV3	4193	6940	0.17%	0.065%
60	10.933	1524	1533	1547	rBV	175339	293409	7.19%	2.764%
61	11.341	1597	1600	1607	rBV4	1154	2299	0.06%	0.022%
62	11.396	1607	1609	1611	rBV3	408	417	0.01%	0.004%
63	11.634	1640	1648	1656	rBV	205114	352109	8.63%	3.317%
64	11.847	1678	1683	1685	rVV4	1312	2046	0.05%	0.019%
65	11.884	1685	1689	1696	rVB5	1948	3644	0.09%	0.034%
66	11.957	1696	1701	1702	rBV3	346	438	0.01%	0.004%
67	12.079	1719	1721	1724	rVV3	323	364	0.01%	0.003%
68	12.110	1724	1726	1728	rVB2	498	434	0.01%	0.004%
69	12.244	1745	1748	1750	rBV2	420	445	0.01%	0.004%
70	12.311	1757	1759	1761	rBV	364	336	0.01%	0.003%
71	12.414	1774	1776	1777	rVB	524	290	0.01%	0.003%

LSC Area Percent Report

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Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM062018S.M
Title : VOC Analysis

72	12.482	1777	1787	1793	rBV2	23159	40999	1.00%	0.386%
73	12.622	1804	1810	1816	rBV3	10578	24350	0.60%	0.229%
74	12.701	1817	1823	1832	rVB	248579	408451	10.01%	3.848%
75	12.847	1845	1847	1849	rBV2	335	402	0.01%	0.004%
76	12.939	1858	1862	1867	rBV4	2026	3137	0.08%	0.030%
77	12.981	1867	1869	1871	rVB2	588	378	0.01%	0.004%
78	13.030	1876	1877	1880	rBV2	499	462	0.01%	0.004%
79	13.109	1888	1890	1892	rBV2	492	374	0.01%	0.004%
80	13.170	1896	1900	1902	rBV3	788	759	0.02%	0.007%
81	13.256	1912	1914	1916	rBV2	1147	612	0.01%	0.006%
82	13.402	1935	1938	1939	rBV2	543	552	0.01%	0.005%
83	13.481	1946	1951	1956	rBV6	2821	5328	0.13%	0.050%
84	13.567	1959	1965	1973	rVV	73113	123094	3.02%	1.160%
85	13.658	1976	1980	1986	rVB3	7687	10784	0.26%	0.102%
86	13.780	1999	2000	2006	rBV3	441	892	0.02%	0.008%
87	13.859	2006	2013	2021	rVV	89306	152946	3.75%	1.441%
88	13.957	2027	2029	2032	rVB4	701	580	0.01%	0.005%
89	14.018	2037	2039	2043	rVV4	614	719	0.02%	0.007%
90	14.054	2043	2045	2046	rVV	713	525	0.01%	0.005%
91	14.091	2047	2051	2060	rVB3	2883	5274	0.13%	0.050%
92	14.231	2073	2074	2075	rBV	596	311	0.01%	0.003%
93	14.536	2118	2124	2131	rVB4	5455	10404	0.25%	0.098%
94	14.585	2131	2132	2133	rBV	720	348	0.01%	0.003%
95	14.731	2154	2156	2161	rVB4	2862	4100	0.10%	0.039%
96	15.018	2202	2203	2206	rBV2	636	430	0.01%	0.004%
97	15.810	2332	2333	2335	rBV2	690	400	0.01%	0.004%
98	16.213	2398	2399	2401	rBV2	631	466	0.01%	0.004%
99	16.621	2464	2466	2471	rVB3	794	851	0.02%	0.008%
100	16.743	2483	2486	2487	rBV4	560	487	0.01%	0.005%

Sum of corrected areas: 10614594

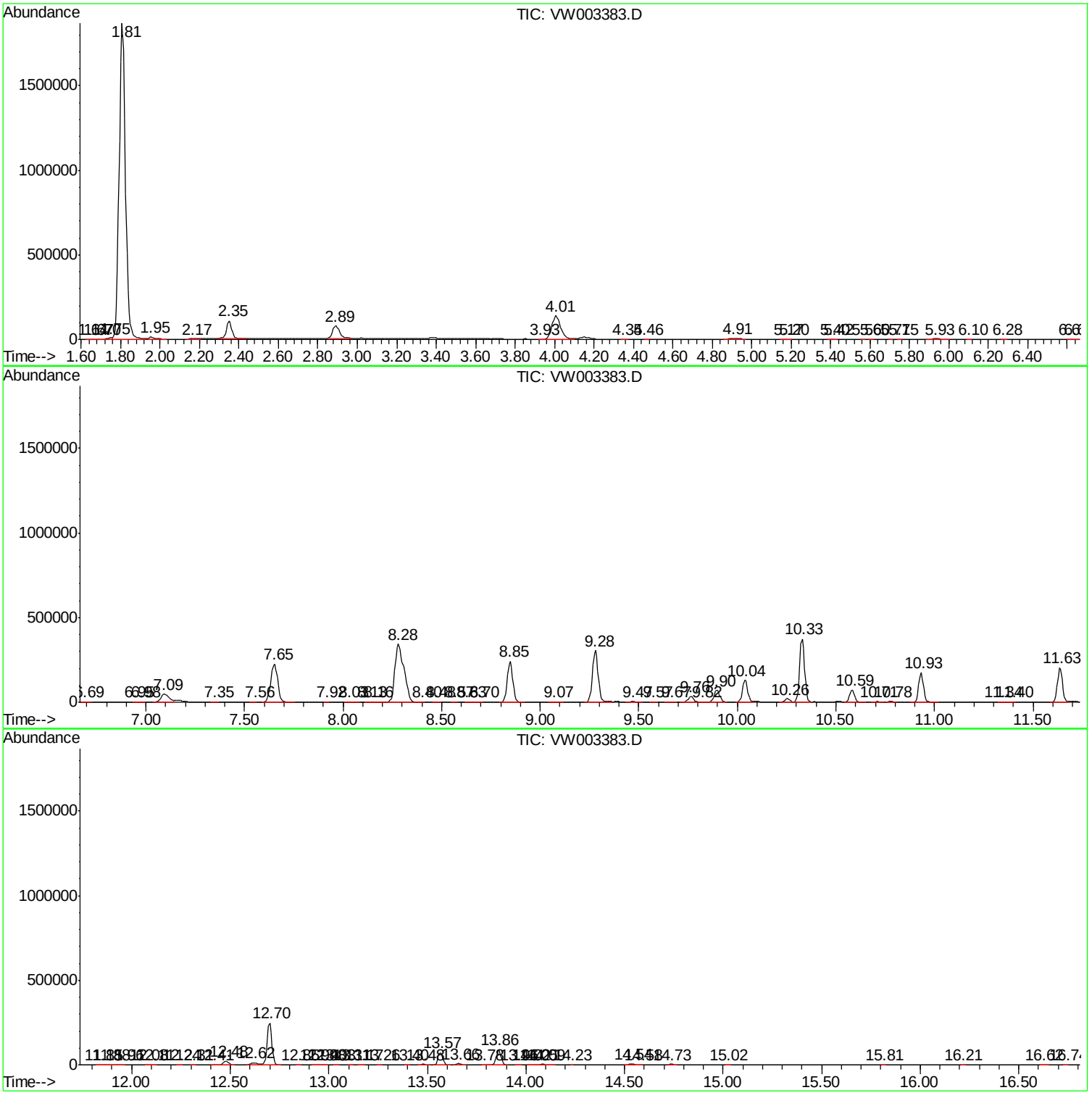
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

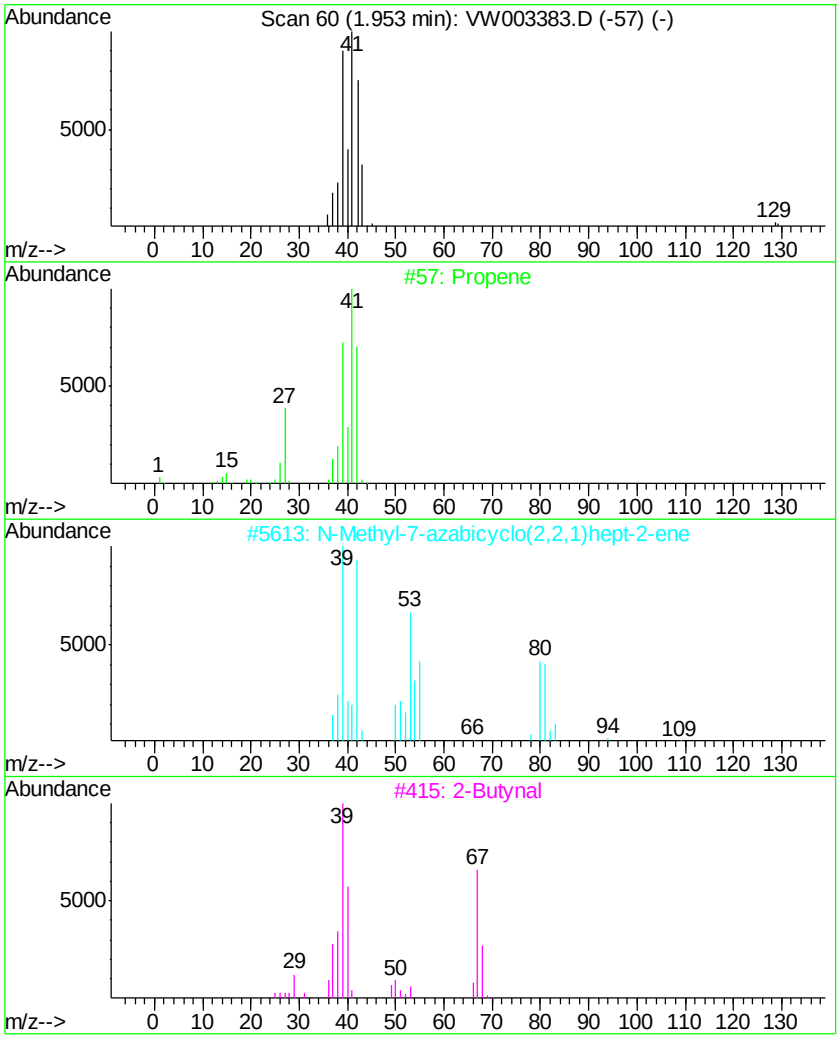
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

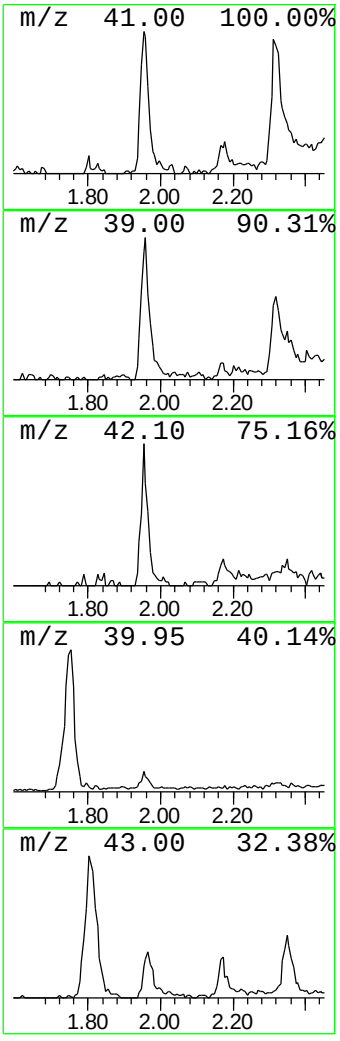
****

Peak Number 2 (DEL) Alkane: Cyclic1.95 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	1.30 ug/L	24655	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	74
3	2-Butynal	68	C4H4O	001119-19-3	64
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	64
5	1-Propyne, 3-bromo-	118	C3H3Br	000106-96-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

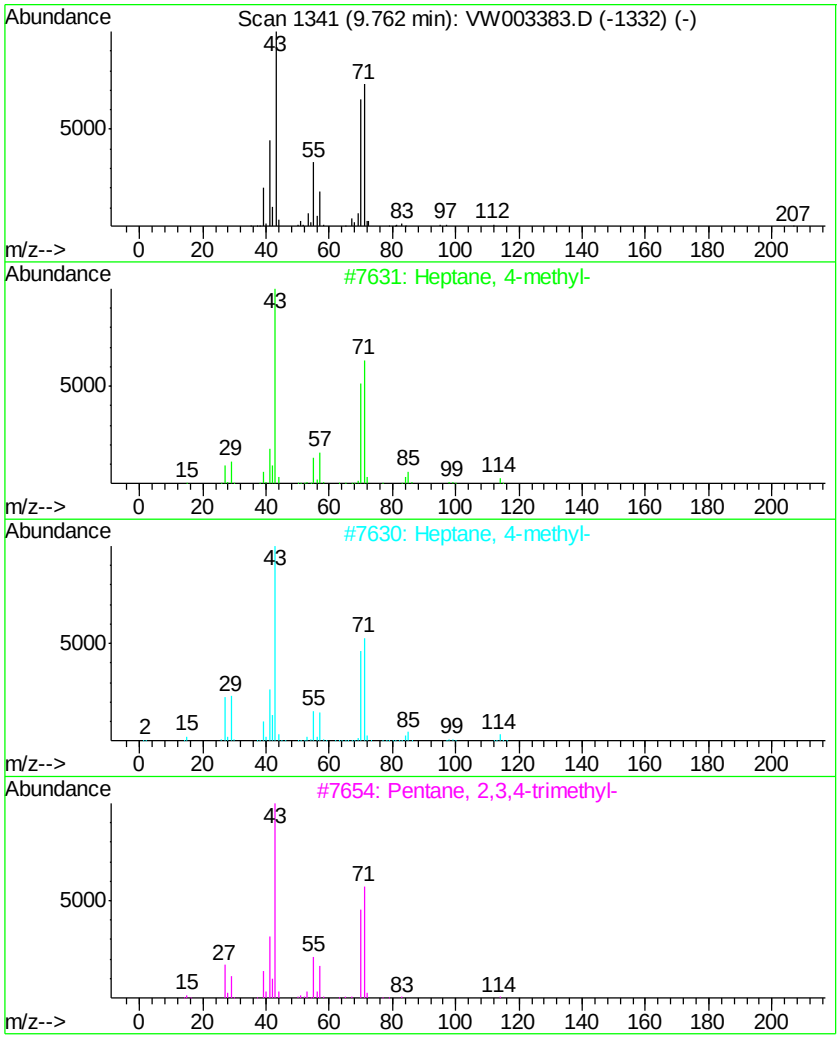
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

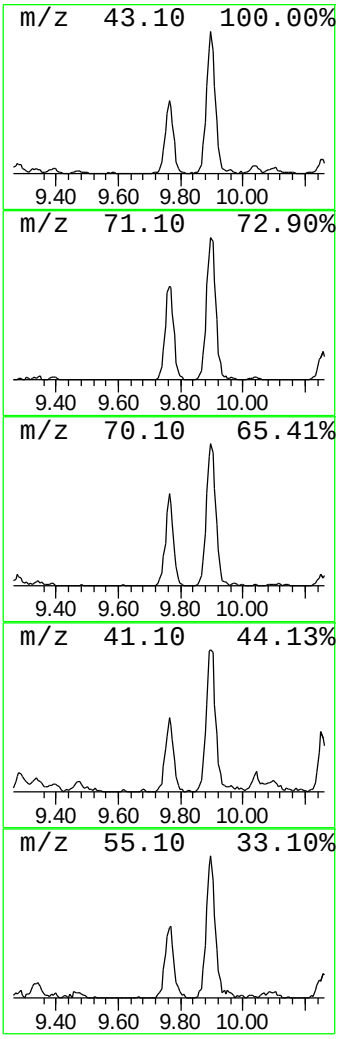
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	3.46 ug/L	65778	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	78
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
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Sample : J3569-09RE
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

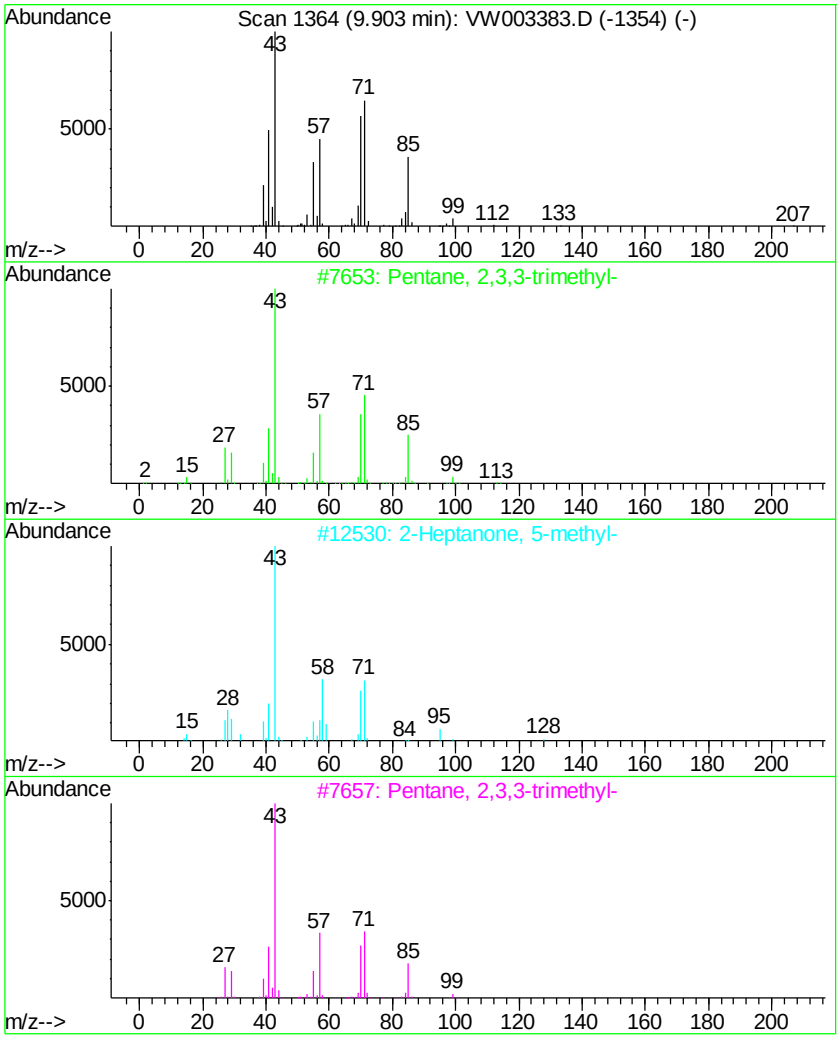
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

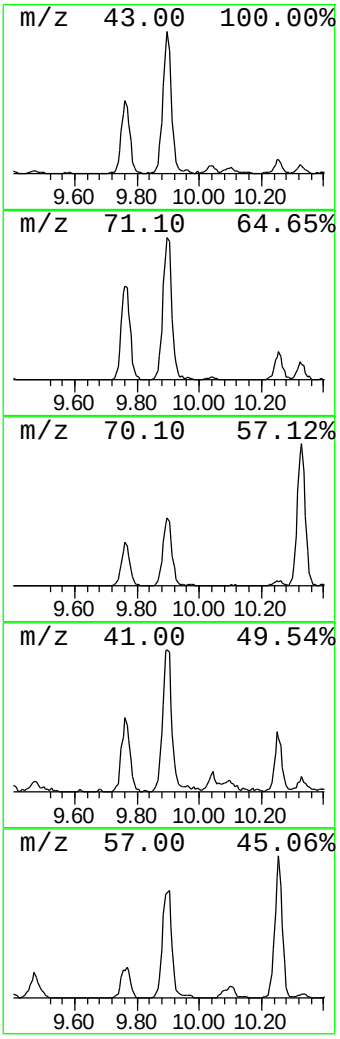
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	7.53 ug/L	143062	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
2	2-Heptanone, 5-methyl-	128	C8H16O	018217-12-4	64
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
4	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

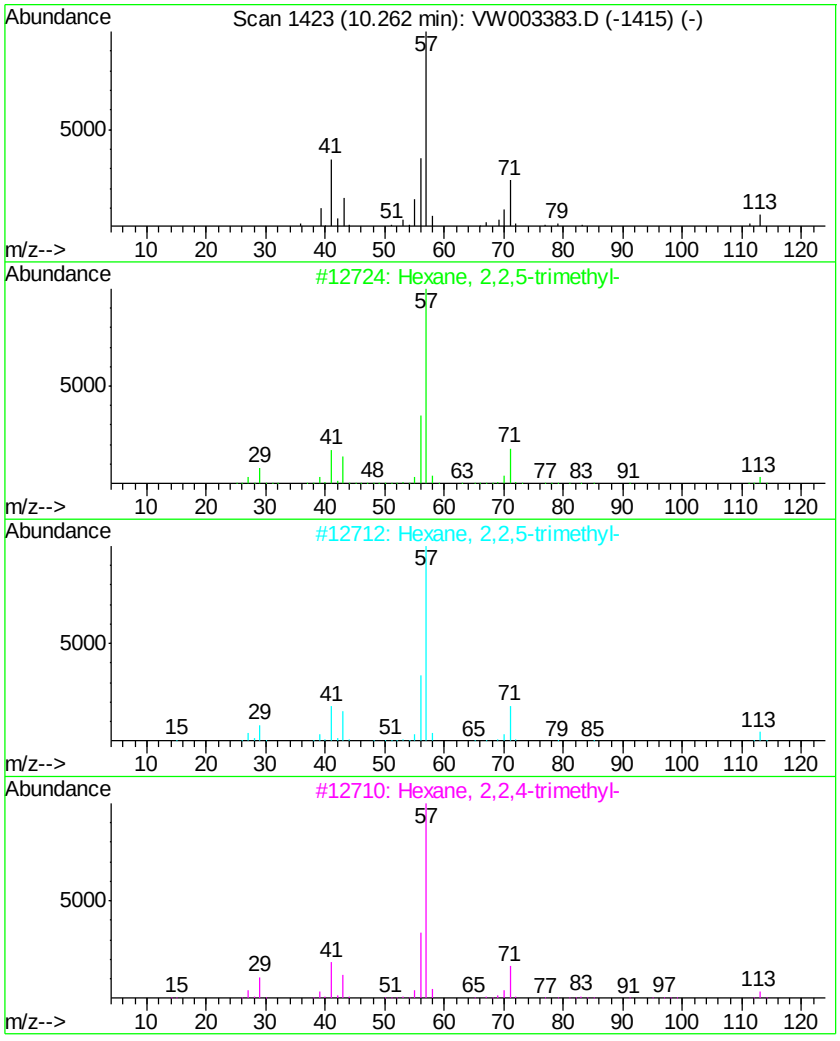
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

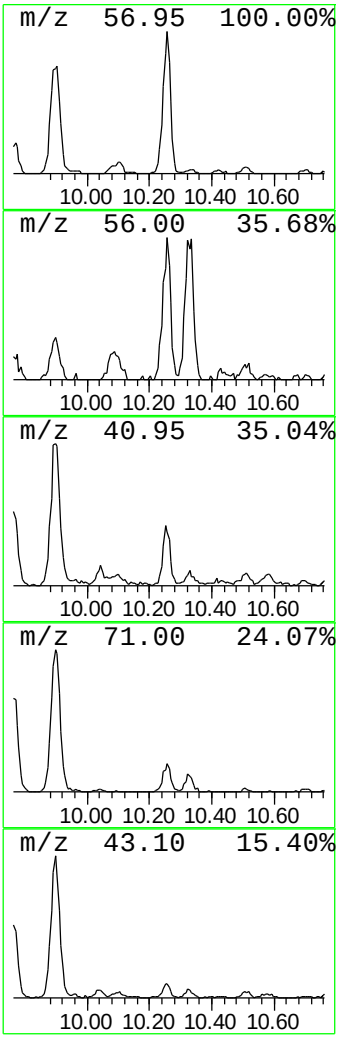
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	2.64 ug/L	37168	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

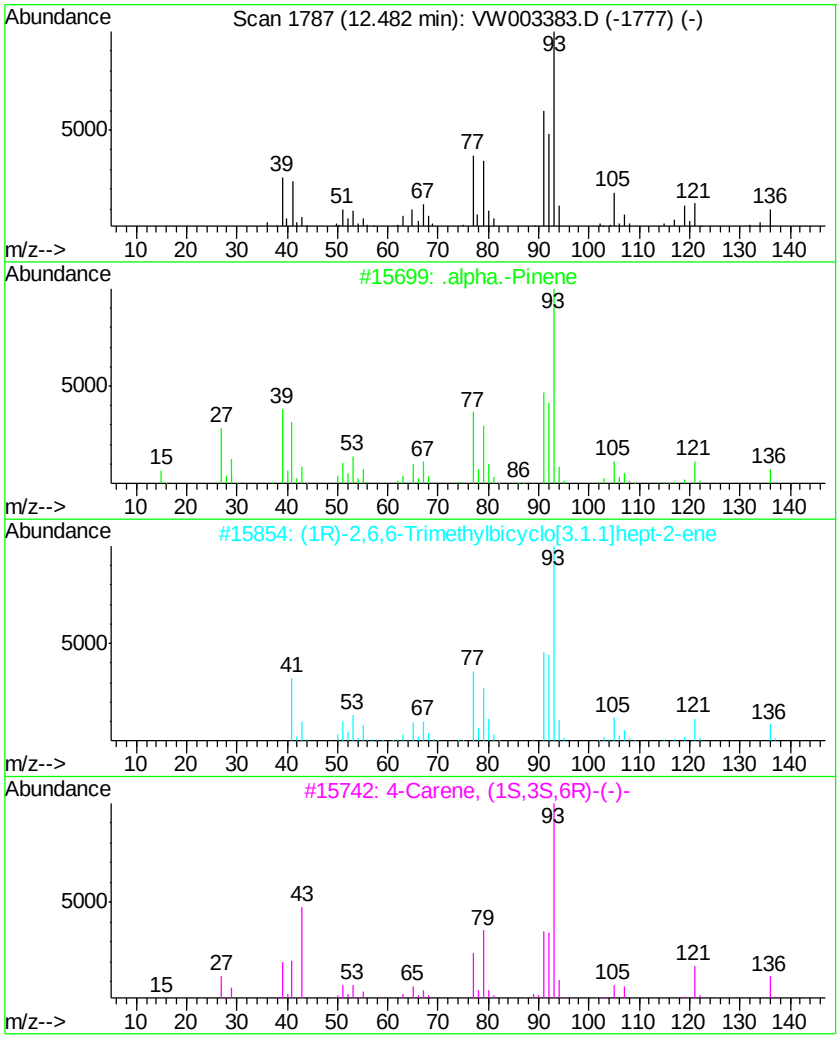
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

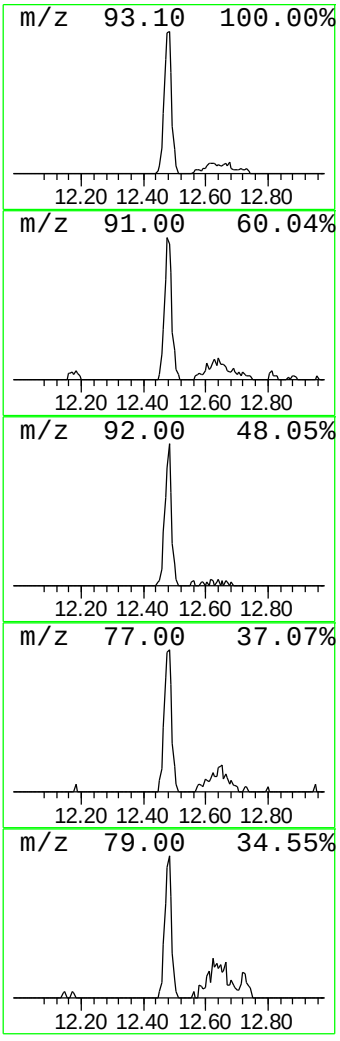
****

Peak Number 7 .alpha.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.91 ug/L	40999	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	93
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91
3	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	90
4	.alpha.-Pinene	136	C10H16	000080-56-8	90
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

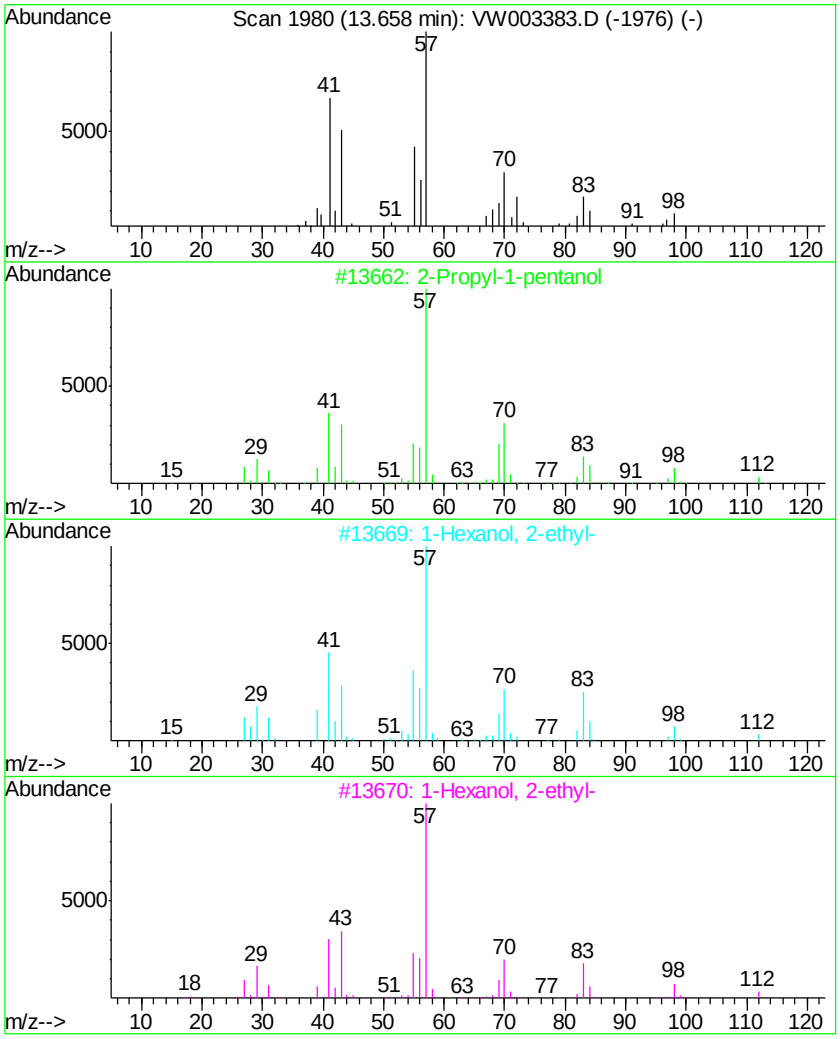
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

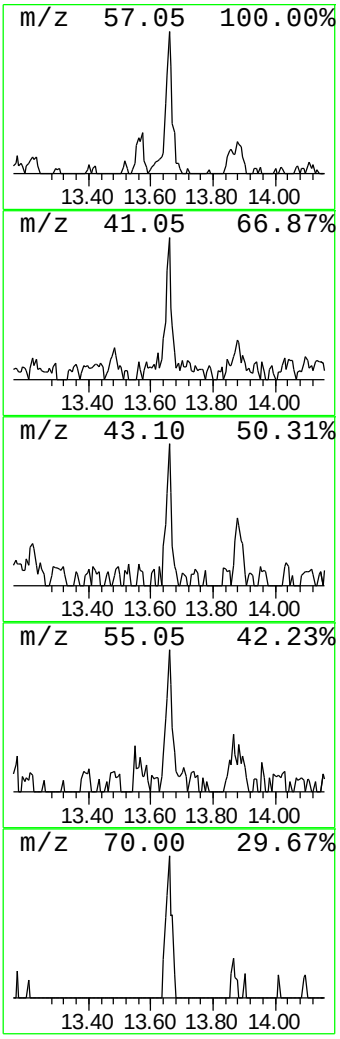
****

Peak Number 9 2-Propyl-1-pentanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	2.19 ug/L	10784	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	64
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
5	Acetic acid, heptyl ester	158	C9H18O2	000112-06-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

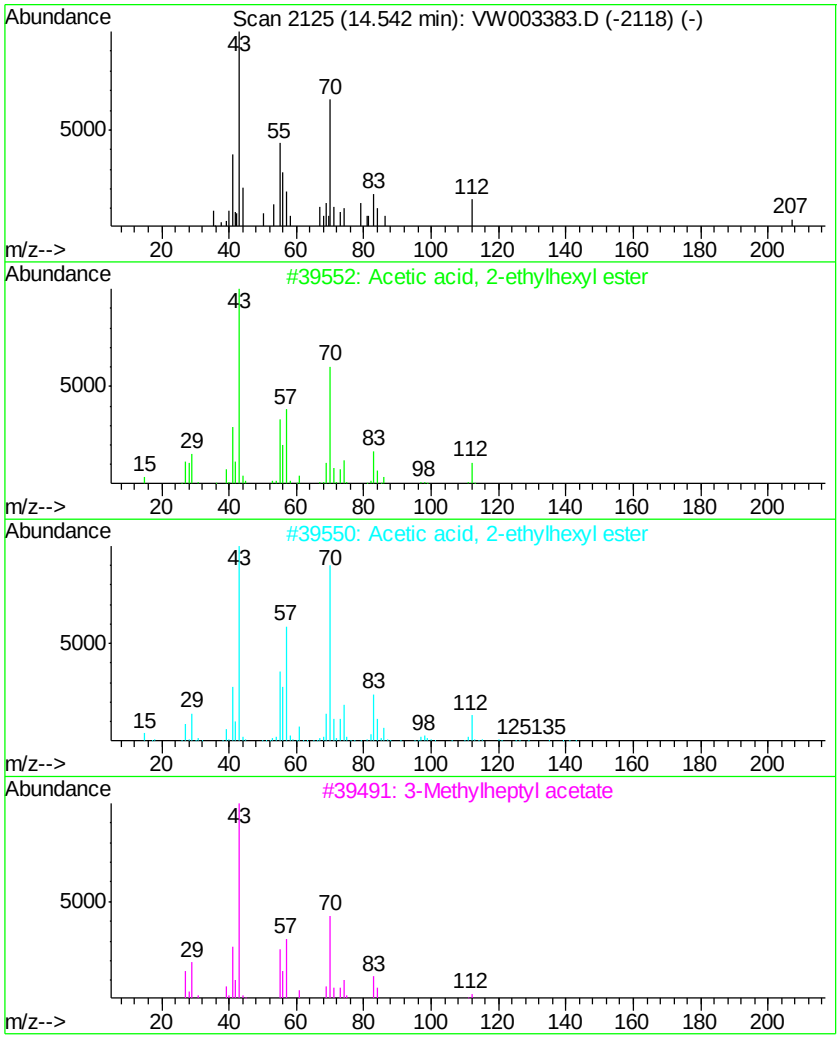
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

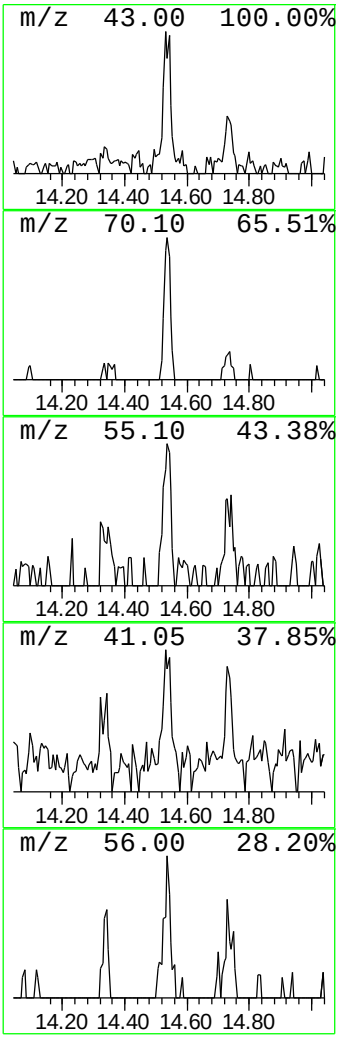
****

Peak Number 10 Acetic acid, 2-ethylhexyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.11 ug/L	10404	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	64
2	Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	59
3	3-Methylheptyl acetate	172	C10H20O2	072218-58-7	59
4	Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	53
5	2-Propenoic acid, 6-methylheptyl...	184	C11H20O2	054774-91-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
Data File : VW003383.D
Acq On : 21 Jun 2018 13:19
Operator : SY/AP
Sample : J3569-09RE
Misc : 3.54G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR0RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.95	1.3	ug/L	24655	1	8.85	474940	25.0
(DEL) Alkane: Str...	9.76	3.5	ug/L	65778	1	8.85	474940	25.0
(DEL) Alkane: Str...	9.90	7.5	ug/L	143062	1	8.85	474940	25.0
(DEL) Alkane: Str...	10.26	2.6	ug/L	37168	2	11.64	352109	25.0
.alpha.-Pinene	12.48	2.9	ug/L	40999	2	11.64	352109	25.0
2-Propyl-1-pentanol	13.66	2.2	ug/L	10784	3	13.57	123094	25.0
Acetic acid, 2-et...	14.54	2.1	ug/L	10404	3	13.57	123094	25.0