LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003362.D
Acq On : 20 Jun 2018 19:45
Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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	1.672	10	14	15	rBV2	210	308	0.01%	0.002%
2	1.746	19	26	27	rBV	7526	11477	0.24%	0.075%
3	1.800	27	35	54	rVV	1125732	2622354	54.90%	17.240%
4	1.953	57	60	69	rVB3	10899	20271	0.42%	0.133%
5	2.349	120	125	136	rVB	96708	173134	3.62%	1.138%
6	2.886	207	213	224	rVB	60711	151614	3.17%	0.997%
7	4.007	387	397	413	rBV	119844	390499	8.17%	2.567%
8	4.355	450	454	455	rBV3	377	502	0.01%	0.003%
9	4.373	455	457	459	rVB2	538	357	0.01%	0.002%
10	4.398	459	461	463	rBV2	475	460	0.01%	0.003%
11	4.593	488	493	494	rBV	1757	2062	0.04%	0.014%
12	4.916	533	546	558	rBV3	8254	33005	0.69%	0.217%
13	5.355	615	618	619	rBV2	307	302	0.01%	0.002%
14	5.483	637	639	642	rVB	521	373	0.01%	0.002%
15	5.550	649	650	654	rBB3	517	329	0.01%	0.002%
16	5.623	659	662	666	rBV3	322	526	0.01%	0.003%
17	5.757	681	684	685	rBV2	455	398	0.01%	0.003%
18	5.934	703	713	725	rBV6	4671	16130	0.34%	0.106%
19	6.135	744	746	748	rBV	294	290	0.01%	0.002%
20	6.190	751	755	758	rBV3	260	517	0.01%	0.003%
21	6.257	764	766	770	rVB3	370	373	0.01%	0.002%
22	6.306	771	774	776	rVB3	311	352	0.01%	0.002%
23	6.354	780	782	785	rVB2	415	370	0.01%	0.002%
24	6.684	833	836	839	rBV3	501	700	0.01%	0.005%
25	6.976	881	884	886	rVB2	431	426	0.01%	0.003%
26	7.001	886	888	891	rBV	420	410	0.01%	0.003%
27	7.092	894	903	909	rBV	23575	67601	1.42%	0.444%
28	7.318	937	940	941	rBV	329	333	0.01%	0.002%
29	7.354	943	946	947	rBV2	273	315	0.01%	0.002%
30	7.391	950	952	955	rBV2	449	522	0.01%	0.003%
31	7.452	960	962	964	rBV3	416	324	0.01%	0.002%
32	7.647	983	994	1007	rBV	201143	483235	10.12%	3.177%
33	7.812	1019	1021	1024	rVB2	444	350	0.01%	0.002%
34	7.873	1027	1031	1033	rBV3	320	475	0.01%	0.003%

LSC Area Percent Report

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Acq On : 20 Jun 2018 19:45
Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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	7.927	1035	1040	1049	rVB5	1351	3291	0.07%	0.022%
36	8.007	1049	1053	1054	rBV3	473	586	0.01%	0.004%
37	8.037	1056	1058	1060	rVV2	818	635	0.01%	0.004%
38	8.153	1074	1077	1084	rVB5	1691	3065	0.06%	0.020%
39	8.281	1084	1098	1114	rBV2	367314	1124374	23.54%	7.392%
40	8.488	1131	1132	1136	rVB3	1062	936	0.02%	0.006%
41	8.574	1144	1146	1149	rBV3	419	436	0.01%	0.003%
42	8.689	1160	1165	1172	rBV8	1710	4031	0.08%	0.027%
43	8.848	1182	1191	1203	rBV	362436	712650	14.92%	4.685%
44	8.964	1208	1210	1214	rBV2	492	749	0.02%	0.005%
45	9.049	1219	1224	1225	rBV2	1034	1277	0.03%	0.008%
46	9.281	1252	1262	1276	rBV	268226	551999	11.56%	3.629%
47	9.470	1285	1293	1300	rBV5	2520	6283	0.13%	0.041%
48	9.543	1303	1305	1309	rVB2	487	570	0.01%	0.004%
49	9.659	1321	1324	1326	rBV4	730	954	0.02%	0.006%
50	9.762	1334	1341	1349	rBV	20803	42777	0.90%	0.281%
51	9.897	1355	1363	1376	rBV2	46237	96188	2.01%	0.632%
52	10.037	1379	1386	1393	rBV	115325	209281	4.38%	1.376%
53	10.256	1415	1422	1426	rBV	12519	22543	0.47%	0.148%
54	10.329	1426	1434	1441	rVV	486867	847215	17.74%	5.570%
55	10.506	1457	1463	1469	rBV3	6587	12676	0.27%	0.083%
56	10.579	1469	1475	1489	rVB	81232	147207	3.08%	0.968%
57	10.701	1489	1495	1500	rBV6	3596	7782	0.16%	0.051%
58	10.854	1516	1520	1525	rVB3	707	1041	0.02%	0.007%
59	10.933	1526	1533	1543	rBV	87528	149471	3.13%	0.983%
60	11.030	1545	1549	1554	rVV4	6901	10067	0.21%	0.066%
61	11.171	1570	1572	1574	rBV2	475	432	0.01%	0.003%
62	11.219	1579	1580	1582	rBV2	478	330	0.01%	0.002%
63	11.280	1587	1590	1591	rBV2	585	710	0.01%	0.005%
64	11.433	1614	1615	1618	rBV3	472	361	0.01%	0.002%
65	11.494	1624	1625	1628	rVV	544	398	0.01%	0.003%
66	11.524	1628	1630	1633	rVB3	607	536	0.01%	0.004%
67	11.634	1639	1648	1657	rBV	435427	739874	15.49%	4.864%
68	11.713	1657	1661	1668	rVV	8796	17931	0.38%	0.118%
69	11.982	1703	1705	1708	rVB3	479	416	0.01%	0.003%
70	12.085	1721	1722	1725	rVB2	617	393	0.01%	0.003%
71	12.116	1725	1727	1728	rBV2	492	338	0.01%	0.002%

LSC Area Percent Report

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Data File : VW003362.D
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Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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	12.183	1732	1738	1744	rBV6	2179	4270	0.09%	0.028%
73	12.250	1747	1749	1750	rBV	515	268	0.01%	0.002%
74	12.372	1762	1769	1776	rVB3	16165	28776	0.60%	0.189%
75	12.475	1778	1786	1799	rBV	2958907	4776874	100.00%	31.405%
76	12.701	1816	1823	1835	rVB2	185198	472303	9.89%	3.105%
77	12.878	1848	1852	1853	rBV3	594	795	0.02%	0.005%
78	13.036	1871	1878	1889	rBV	128242	221152	4.63%	1.454%
79	13.219	1906	1908	1911	rBV3	1032	918	0.02%	0.006%
80	13.475	1943	1950	1958	rBV6	23940	51235	1.07%	0.337%
81	13.567	1958	1965	1973	rVB	298106	476631	9.98%	3.134%
82	13.658	1976	1980	1984	rVB4	5220	6903	0.14%	0.045%
83	13.731	1987	1992	1994	rBV4	2769	4908	0.10%	0.032%
84	13.859	2006	2013	2022	rBV	252558	415875	8.71%	2.734%
85	14.006	2033	2037	2043	rBV5	1666	2781	0.06%	0.018%
86	14.079	2047	2049	2060	rVB2	3162	5113	0.11%	0.034%
87	14.201	2067	2069	2072	rBV3	454	575	0.01%	0.004%
88	14.316	2084	2088	2089	rBV2	839	1131	0.02%	0.007%
89	14.432	2105	2107	2109	rBV2	755	738	0.02%	0.005%
90	14.536	2117	2124	2129	rBV3	4168	8157	0.17%	0.054%
91	14.627	2137	2139	2143	rBV2	720	1208	0.03%	0.008%
92	14.664	2143	2145	2148	rVV4	932	958	0.02%	0.006%
93	14.694	2148	2150	2151	rVV2	520	331	0.01%	0.002%
94	14.737	2153	2157	2161	rVV6	2868	4481	0.09%	0.029%
95	15.079	2208	2213	2219	rBV4	7936	15196	0.32%	0.100%
96	15.261	2240	2243	2246	rBV5	1186	1624	0.03%	0.011%
97	15.316	2246	2252	2257	rVB3	3335	5892	0.12%	0.039%
98	15.444	2271	2273	2276	rVB2	710	446	0.01%	0.003%
99	15.652	2306	2307	2309	rBV2	448	283	0.01%	0.002%
100	16.700	2477	2479	2481	rBV3	673	463	0.01%	0.003%

Sum of corrected areas: 15210782

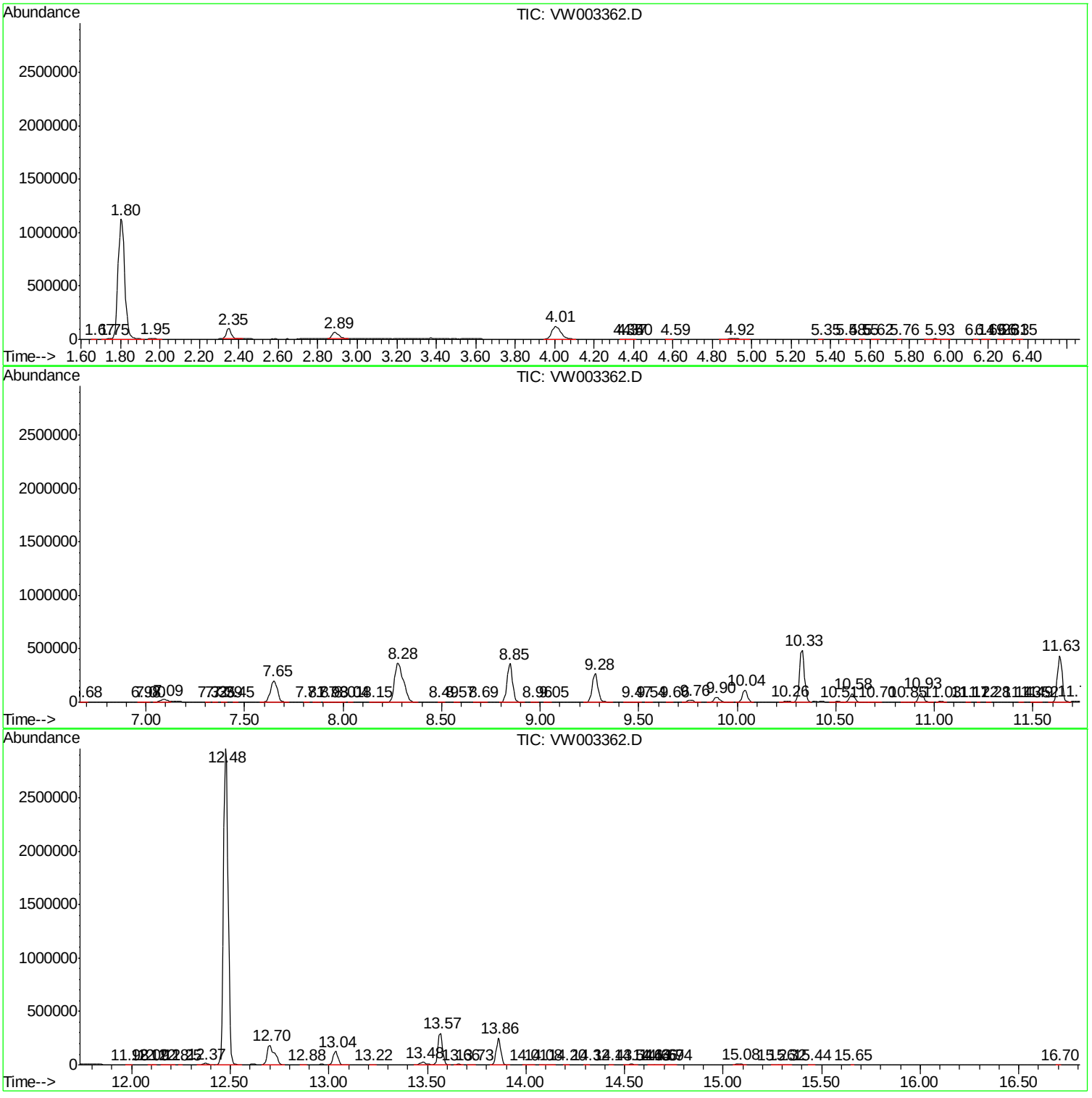
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003362.D
Acq On : 20 Jun 2018 19:45
Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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\VW062018\
Data File : VW003362.D
Acq On : 20 Jun 2018 19:45
Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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

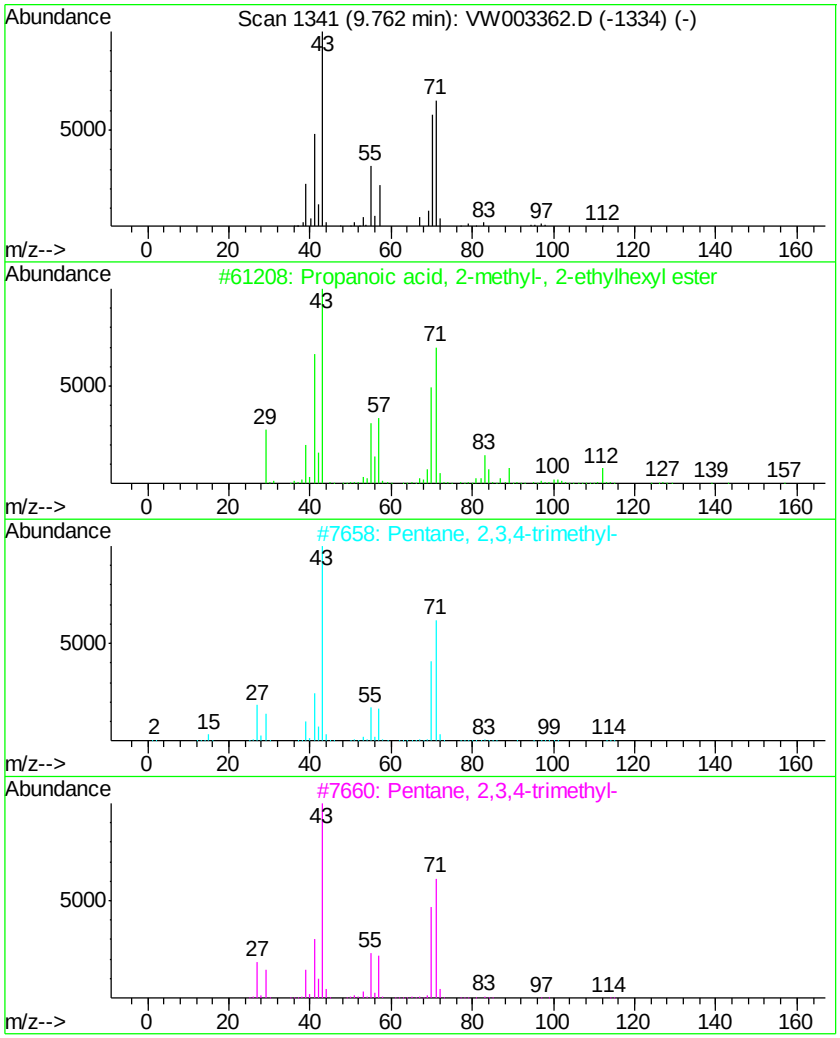
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

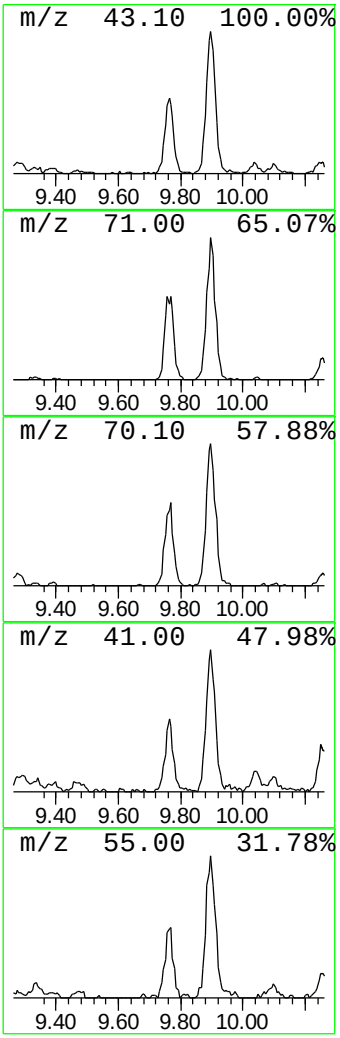
****

Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.50 ug/L	42777	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	74
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003362.D
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Sample : J3569-07
Misc : 4.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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

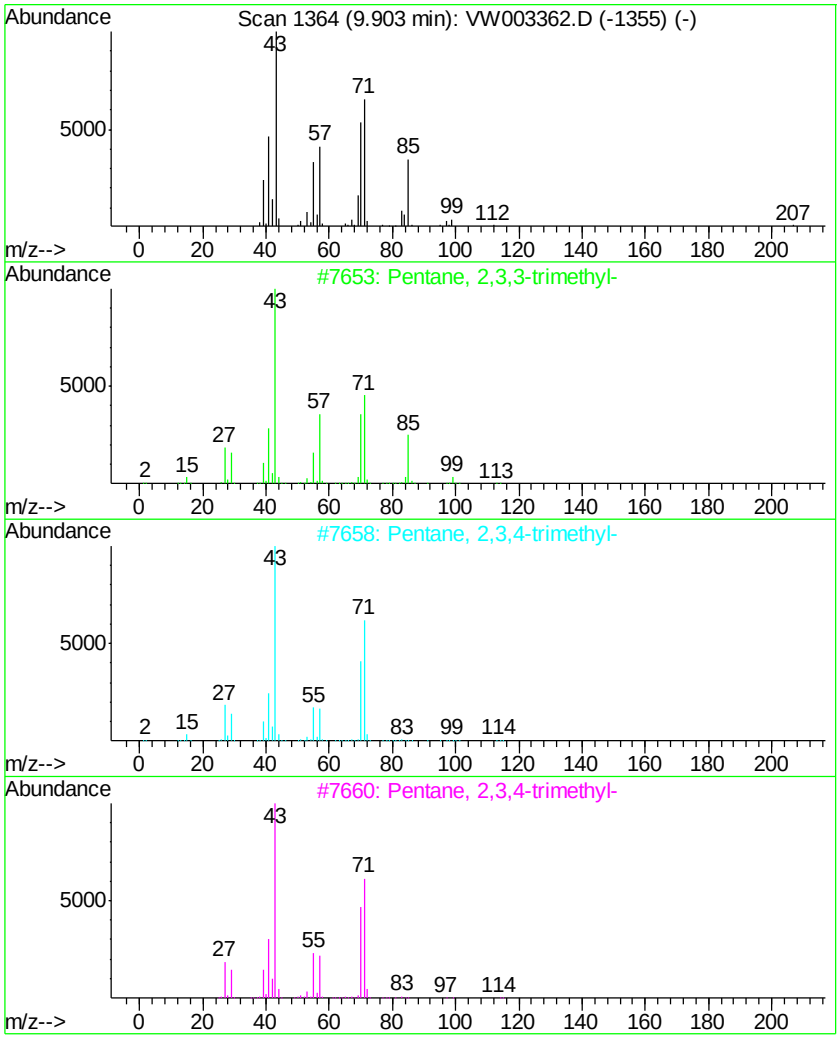
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

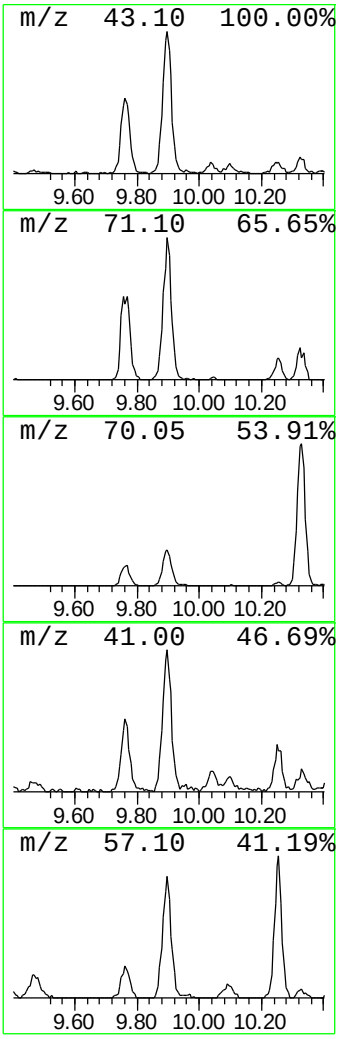
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.37 ug/L	96188	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	86
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5	Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	53





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Quant Title : VOC Analysis

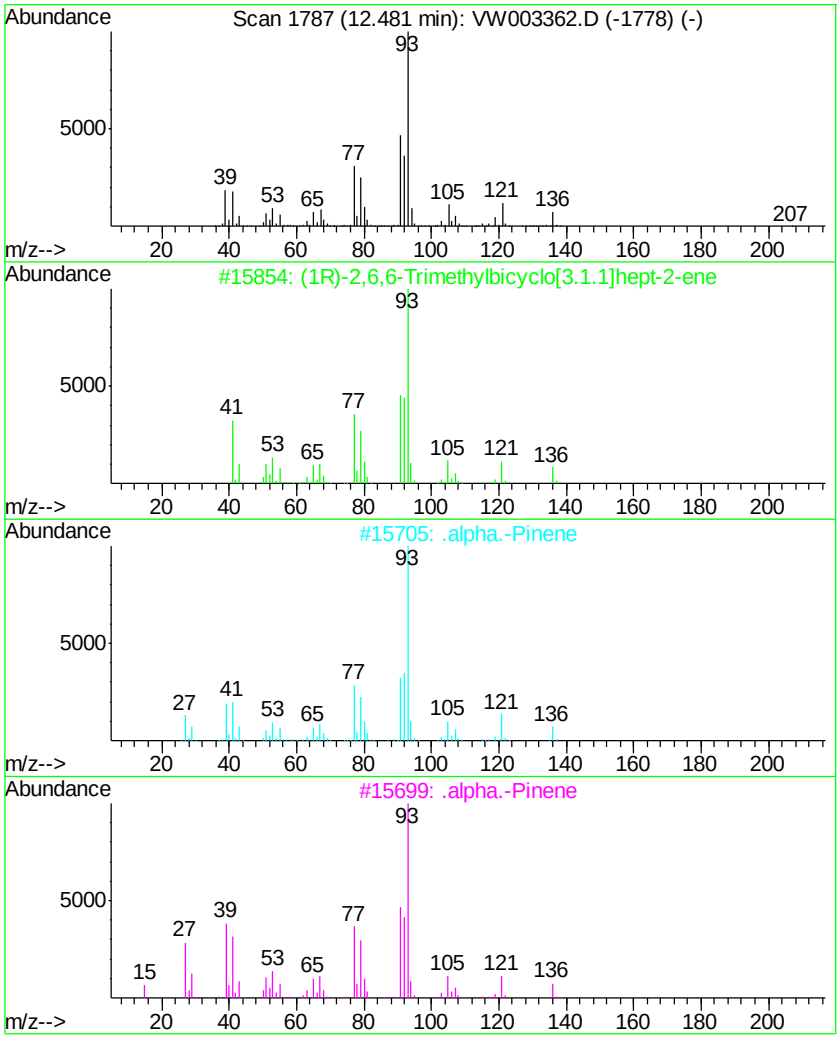
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

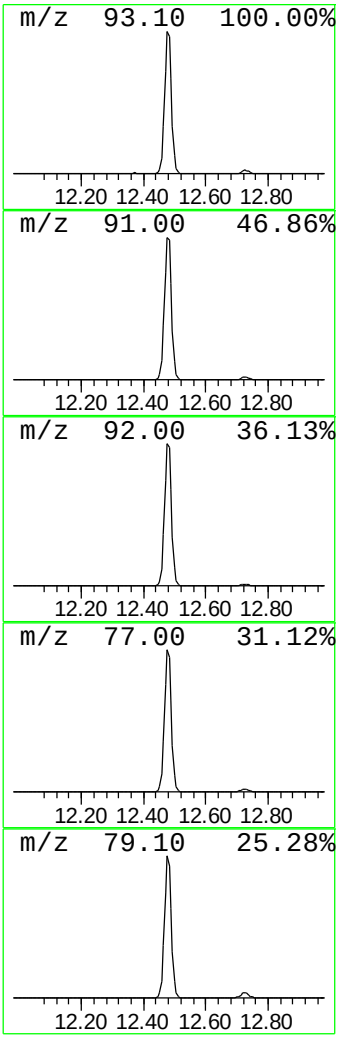
****

Peak Number 5 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	161.41 ug/L	4776870	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	97
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
5	(+)-3-Carene	136	C10H16	000498-15-7	91





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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

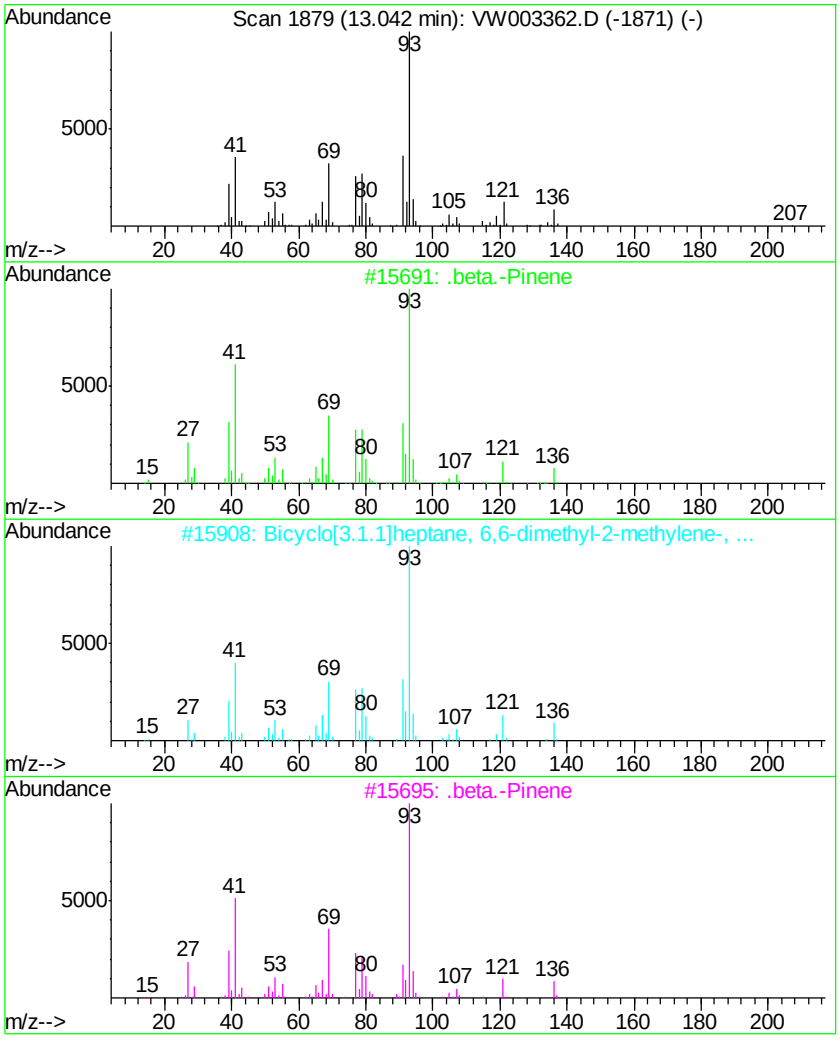
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

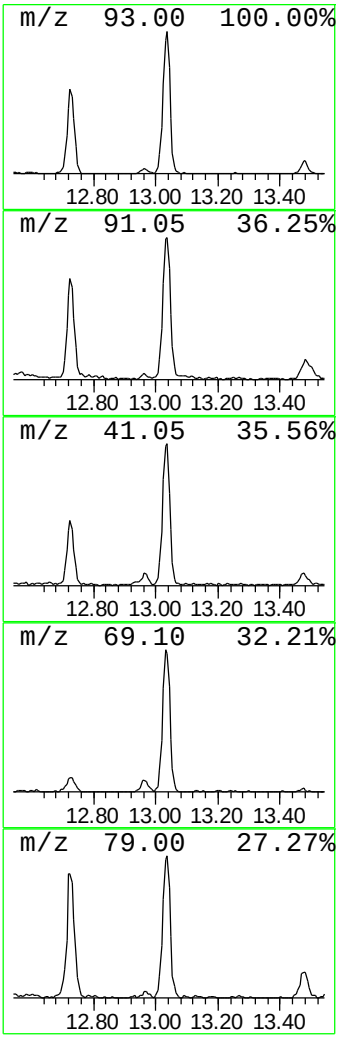
****

Peak Number 6 .beta.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	11.60 ug/L	221152	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
3	.beta.-Pinene	136	C10H16	000127-91-3	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	93
5	.alpha.-Pinene	136	C10H16	000080-56-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003362.D
Acq On : 20 Jun 2018 19:45
Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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

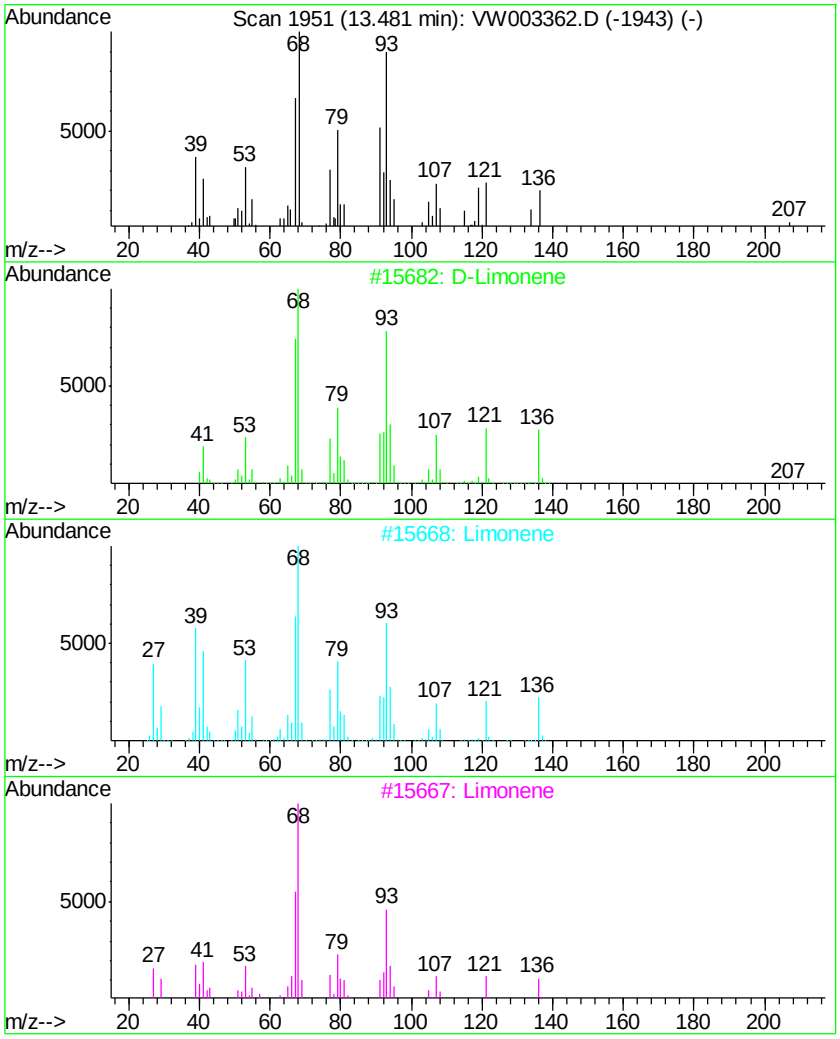
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

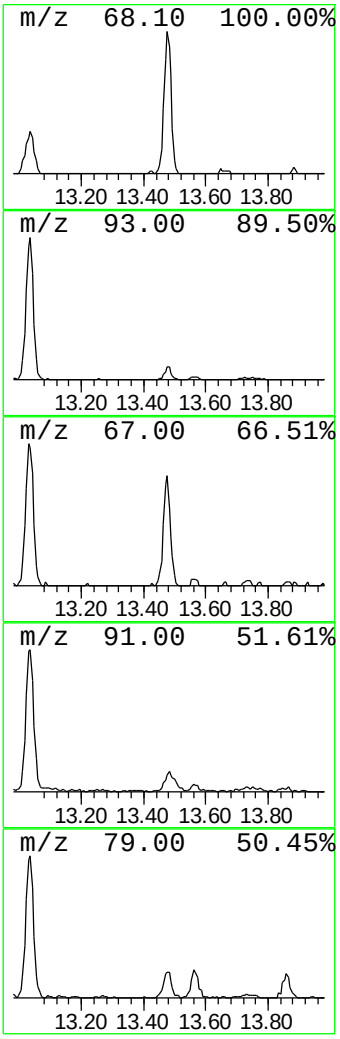
****

Peak Number 7 D-Limonene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.69 ug/L	51235	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	94
2	Limonene	136	C10H16	000138-86-3	93
3	Limonene	136	C10H16	000138-86-3	89
4	Camphene	136	C10H16	000079-92-5	70
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003362.D
Acq On : 20 Jun 2018 19:45
Operator : SY/AP
Sample : J3569-07
Misc : 4.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXQ8

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
Propanoic acid, 2...	9.76	1.5	ug/L	42777	1	8.85	712650	25.0
(DEL) Alkane: Str...	9.90	3.4	ug/L	96188	1	8.85	712650	25.0
(1R)-2,6,6-Trimet...	12.48	161.4	ug/L	4776870	2	11.63	739874	25.0
.beta.-Pinene	13.04	11.6	ug/L	221152	3	13.57	476631	25.0
D-Limonene	13.48	2.7	ug/L	51235	3	13.57	476631	25.0