

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
 Data File : VW015930.D
 Acq On : 23 Jul 2020 18:37
 Operator : SY/VA
 Sample : L3388-09
 Misc : 4.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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	2.160	38	42	47	rBV3	1885	3706	0.26%	0.040%
2	2.215	49	51	52	rBV	932	503	0.03%	0.005%
3	2.355	68	74	85	rVB	123214	231786	16.11%	2.532%
4	2.892	155	162	179	rVB	76664	195945	13.62%	2.140%
5	3.391	239	244	253	rVB3	5011	10902	0.76%	0.119%
6	3.538	262	268	274	rBV2	3778	8733	0.61%	0.095%
7	3.861	319	321	325	rVB2	290	307	0.02%	0.003%
8	4.013	335	346	361	rBV	189214	548682	38.13%	5.993%
9	4.202	372	377	387	rVB3	3097	8410	0.58%	0.092%
10	4.403	404	410	413	rVV4	687	1532	0.11%	0.017%
11	4.794	473	474	477	rVV	287	292	0.02%	0.003%
12	4.909	483	493	511	rVV2	21546	74091	5.15%	0.809%
13	5.184	537	538	546	rVB2	476	718	0.05%	0.008%
14	5.775	630	635	639	rBV3	439	827	0.06%	0.009%
15	5.940	651	662	674	rBV4	5107	15929	1.11%	0.174%
16	6.994	832	835	837	rBV2	340	305	0.02%	0.003%
17	7.080	841	849	856	rBV	30090	88679	6.16%	0.969%
18	7.433	904	907	908	rBV2	321	337	0.02%	0.004%
19	7.653	930	943	956	rBV	245762	596610	41.46%	6.517%
20	7.781	956	964	975	rVB5	5476	14114	0.98%	0.154%
21	7.952	985	992	1001	rVB6	1562	4215	0.29%	0.046%
22	8.281	1035	1046	1063	rBV2	482913	1438862	100.00%	15.717%
23	8.391	1063	1064	1066	rBV2	428	329	0.02%	0.004%
24	8.494	1078	1081	1084	rVB2	340	460	0.03%	0.005%
25	8.531	1084	1087	1089	rBV2	218	329	0.02%	0.004%
26	8.616	1098	1101	1104	rVB3	268	350	0.02%	0.004%
27	8.689	1109	1113	1114	rBV2	592	523	0.04%	0.006%
28	8.848	1129	1139	1154	rBV	460024	927239	64.44%	10.128%
29	9.073	1171	1176	1182	rBV4	1461	2537	0.18%	0.028%
30	9.153	1186	1189	1196	rVB5	384	710	0.05%	0.008%
31	9.274	1199	1209	1221	rBV	320895	659925	45.86%	7.208%
32	9.390	1226	1228	1230	rVB	510	418	0.03%	0.005%
33	9.445	1233	1237	1238	rVB2	330	318	0.02%	0.003%
34	9.457	1238	1239	1242	rBV2	282	294	0.02%	0.003%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
 Data File : VW015930.D
 Acq On : 23 Jul 2020 18:37
 Operator : SY/VA
 Sample : L3388-09
 Misc : 4.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Title : VOC Analysis

35	9.659	1266	1272	1279	rBV6	925	1854	0.13%	0.020%
36	9.841	1297	1302	1306	rBV4	382	657	0.05%	0.007%
37	9.896	1309	1311	1314	rVB3	421	403	0.03%	0.004%
38	9.945	1315	1319	1321	rBV4	483	504	0.04%	0.006%
39	10.037	1326	1334	1344	rBV	121201	218155	15.16%	2.383%
40	10.134	1348	1350	1355	rVB5	826	1049	0.07%	0.011%
41	10.207	1359	1362	1364	rBV2	409	414	0.03%	0.005%
42	10.329	1371	1382	1390	rBV	597771	1069309	74.32%	11.680%
43	10.427	1390	1398	1405	rVB4	12556	33345	2.32%	0.364%
44	10.512	1405	1412	1416	rVB7	1790	3772	0.26%	0.041%
45	10.579	1416	1423	1430	rBV	78121	137835	9.58%	1.506%
46	10.707	1437	1444	1452	rBV2	9966	18876	1.31%	0.206%
47	10.786	1452	1457	1460	rBV4	2569	4545	0.32%	0.050%
48	10.927	1474	1480	1498	rBV2	106969	228382	15.87%	2.495%
49	11.067	1498	1503	1506	rBV4	4230	6960	0.48%	0.076%
50	11.292	1532	1540	1542	rBV6	1587	3614	0.25%	0.039%
51	11.445	1561	1565	1570	rVB3	2318	3595	0.25%	0.039%
52	11.518	1575	1577	1578	rBV2	631	441	0.03%	0.005%
53	11.634	1589	1596	1604	rBV	531999	892514	62.03%	9.749%
54	11.713	1606	1609	1617	rVB3	4539	9256	0.64%	0.101%
55	11.835	1624	1629	1635	rVB2	1918	3796	0.26%	0.041%
56	12.176	1680	1685	1690	rVV4	1800	3651	0.25%	0.040%
57	12.243	1692	1696	1700	rVV5	1068	1866	0.13%	0.020%
58	12.365	1709	1716	1723	rVB7	1268	2732	0.19%	0.030%
59	12.426	1723	1726	1727	rBV2	814	746	0.05%	0.008%
60	12.475	1728	1734	1742	rVB2	12743	23207	1.61%	0.253%
61	12.597	1747	1754	1763	rVB2	19384	39831	2.77%	0.435%
62	12.695	1763	1770	1777	rBV	201708	337497	23.46%	3.686%
63	12.756	1777	1780	1791	rVB2	6629	13003	0.90%	0.142%
64	12.963	1806	1814	1819	rBV6	5373	15339	1.07%	0.168%
65	13.121	1832	1840	1844	rBV2	5851	11682	0.81%	0.128%
66	13.195	1844	1852	1860	rVB5	11011	26864	1.87%	0.293%
67	13.280	1860	1866	1869	rBV	18324	33290	2.31%	0.364%
68	13.408	1878	1887	1893	rBV	30049	54717	3.80%	0.598%
69	13.469	1893	1897	1905	rBV5	6974	12563	0.87%	0.137%
70	13.560	1905	1912	1917	rBV	327750	524983	36.49%	5.734%
71	13.768	1939	1946	1953	rBV5	4485	8993	0.63%	0.098%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
 Data File : VW015930.D
 Acq On : 23 Jul 2020 18:37
 Operator : SY/VA
 Sample : L3388-09
 Misc : 4.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Title : VOC Analysis

72	13.853	1953	1960	1974	rBV	276782	465185	32.33%	5.081%
73	13.951	1974	1976	1982	rVB4	1309	1720	0.12%	0.019%
74	13.999	1982	1984	1986	rBV3	523	638	0.04%	0.007%
75	14.072	1991	1996	2000	rBV2	5799	8629	0.60%	0.094%
76	14.133	2005	2006	2010	rVB	532	497	0.03%	0.005%
77	14.213	2014	2019	2021	rBV4	445	720	0.05%	0.008%
78	14.310	2029	2035	2036	rBV4	994	1556	0.11%	0.017%
79	14.365	2043	2044	2047	rVB3	538	305	0.02%	0.003%
80	14.548	2072	2074	2078	rVB2	459	533	0.04%	0.006%
81	14.585	2078	2080	2082	rBV2	459	465	0.03%	0.005%
82	14.688	2094	2097	2099	rBV2	301	370	0.03%	0.004%
83	14.731	2099	2104	2108	rVV5	2941	4728	0.33%	0.052%
84	14.798	2114	2115	2118	rVB3	668	486	0.03%	0.005%
85	14.871	2125	2127	2130	rBV2	255	294	0.02%	0.003%
86	14.938	2135	2138	2139	rBV3	335	335	0.02%	0.004%
87	15.072	2154	2160	2164	rBV5	2706	4912	0.34%	0.054%
88	15.212	2179	2183	2184	rBV3	674	802	0.06%	0.009%
89	15.304	2193	2198	2203	rBV3	3393	5386	0.37%	0.059%
90	15.426	2212	2218	2225	rVB3	6270	13298	0.92%	0.145%
91	15.499	2225	2230	2235	rBV4	1441	2952	0.21%	0.032%
92	15.749	2270	2271	2272	rBV	609	352	0.02%	0.004%
93	15.847	2285	2287	2289	rBV2	908	941	0.07%	0.010%
94	15.938	2300	2302	2303	rBV2	561	458	0.03%	0.005%
95	16.176	2337	2341	2342	rBV3	330	336	0.02%	0.004%
96	16.212	2345	2347	2348	rBV2	389	368	0.03%	0.004%
97	16.365	2370	2372	2375	rBV3	570	571	0.04%	0.006%
98	16.468	2387	2389	2393	rVB3	645	768	0.05%	0.008%
99	16.694	2416	2426	2434	rBV2	19659	43988	3.06%	0.480%
100	16.779	2434	2440	2441	rBV4	2822	4353	0.30%	0.048%

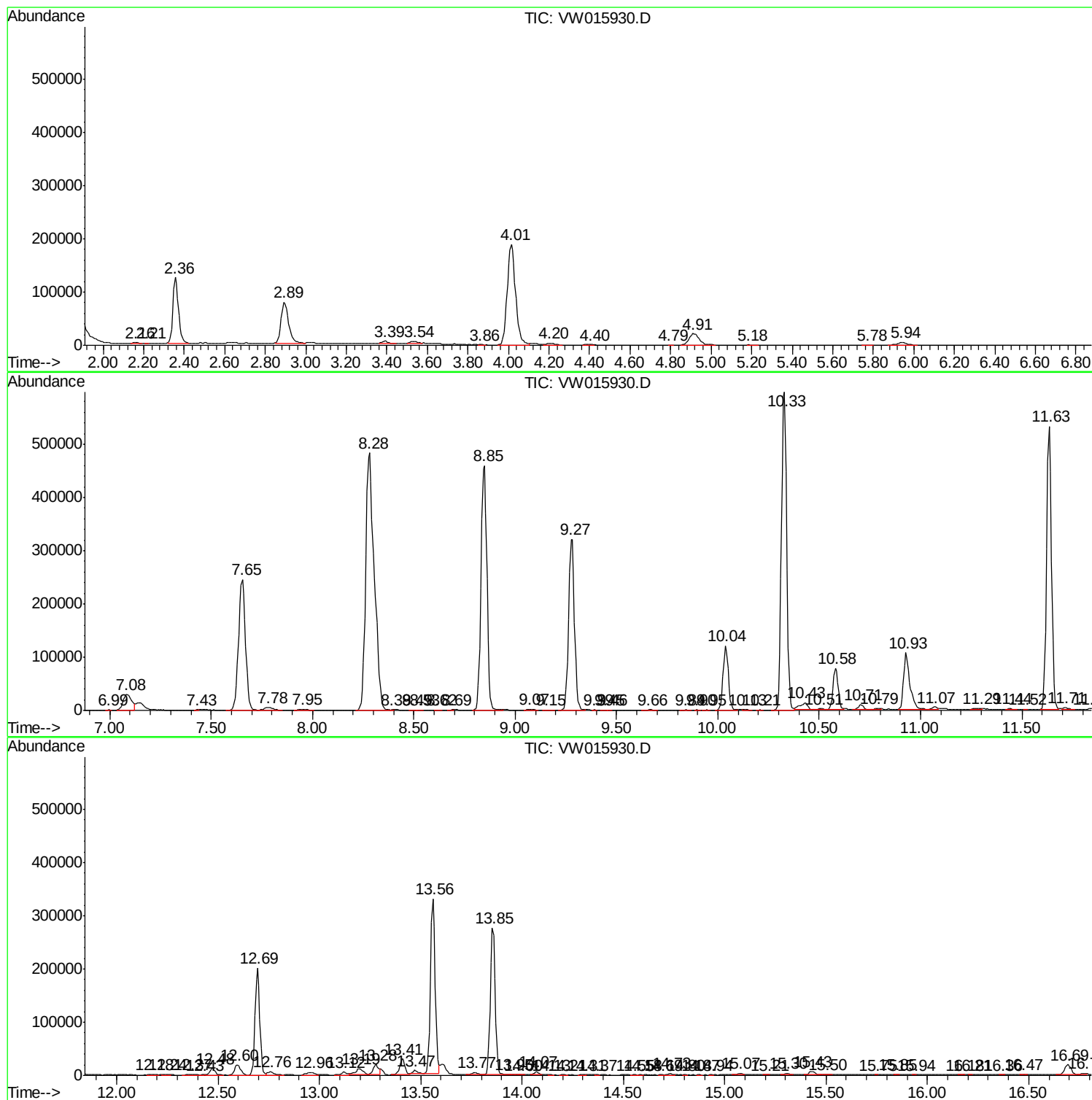
Sum of corrected areas: 9155103

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015930.D
Acq On : 23 Jul 2020 18:37
Operator : SY/VA
Sample : L3388-09
Misc : 4.80G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015930.D
Acq On : 23 Jul 2020 18:37
Operator : SY/VA
Sample : L3388-09
Misc : 4.80G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD5

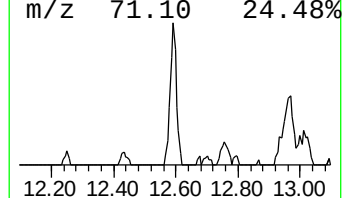
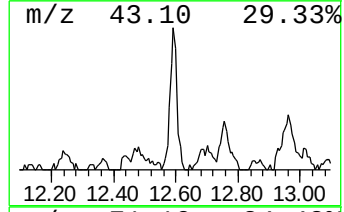
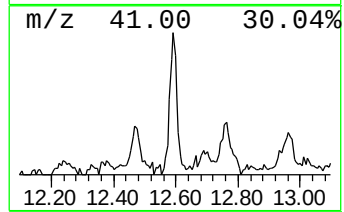
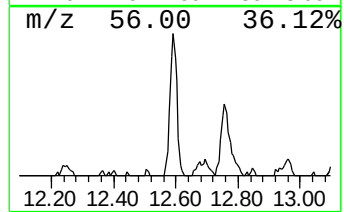
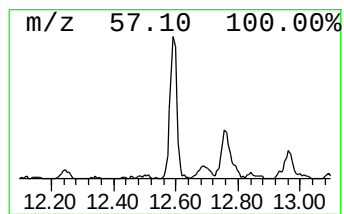
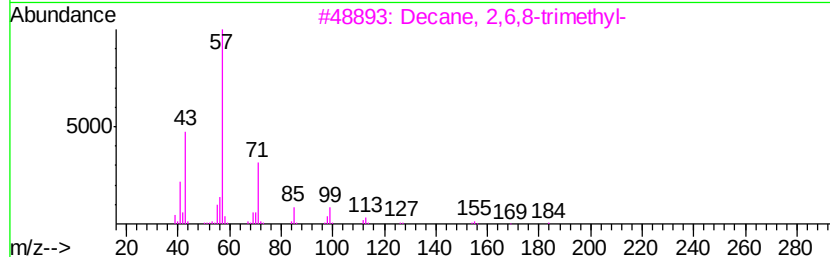
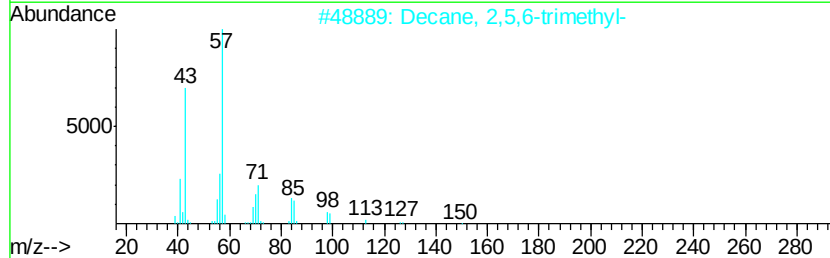
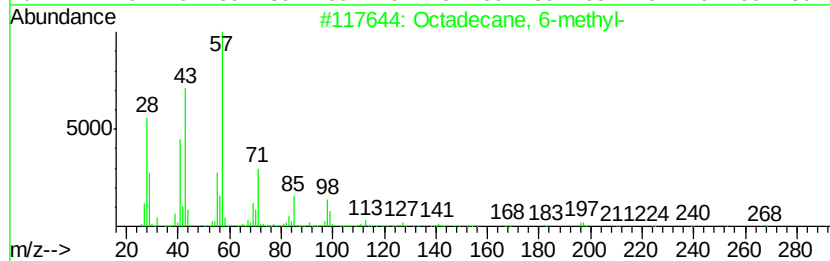
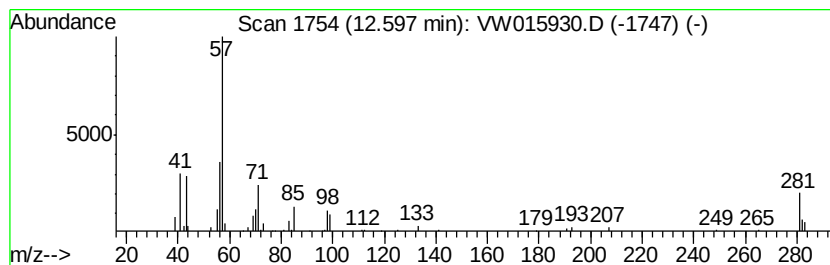
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	1.90 ug/L	39831	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 6-methyl-	268	C19H40	010544-96-4	50
2		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
3		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	47
4		Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
5		Tridecane, 3-methyl-	198	C14H30	006418-41-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
 Data File : VW015930.D
 Acq On : 23 Jul 2020 18:37
 Operator : SY/VA
 Sample : L3388-09
 Misc : 4.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD5

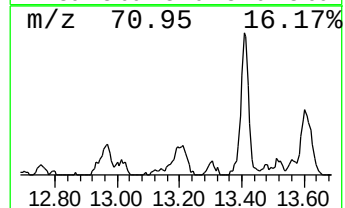
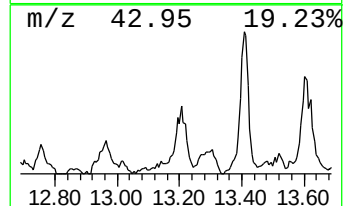
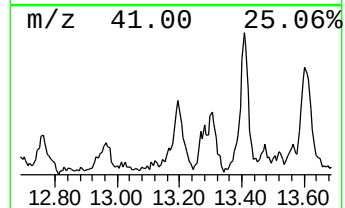
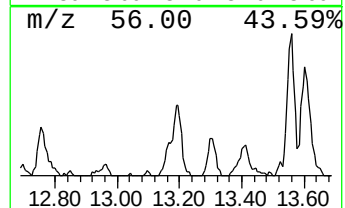
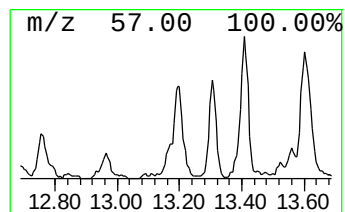
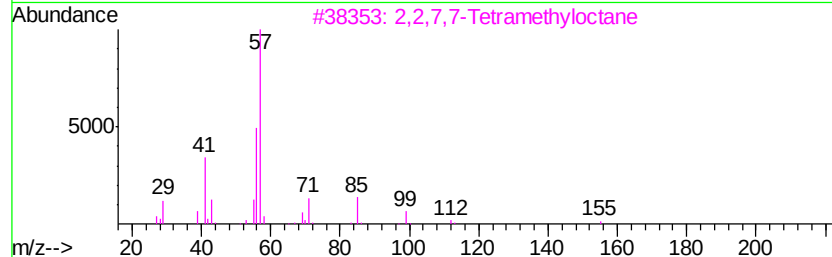
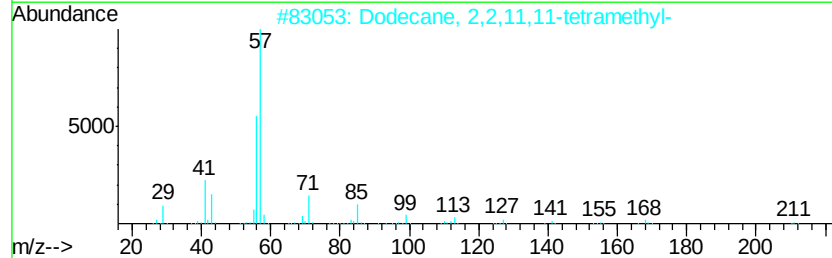
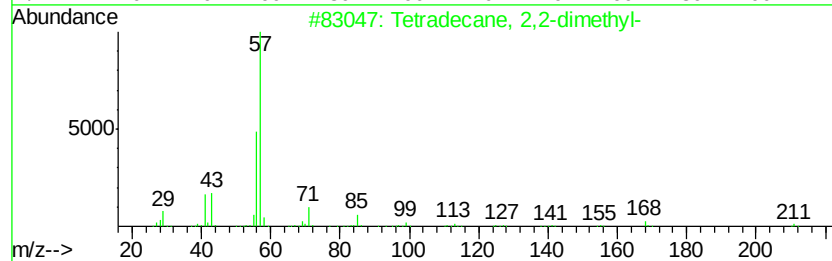
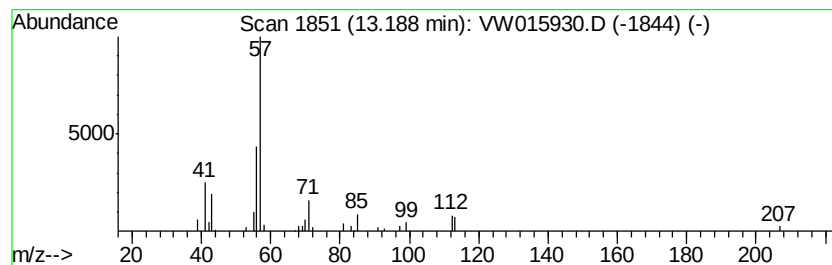
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis

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

 Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	1.28 ug/L	26864	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
2		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
3		2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	72
4		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015930.D
Acq On : 23 Jul 2020 18:37
Operator : SY/VA
Sample : L3388-09
Misc : 4.80G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD5

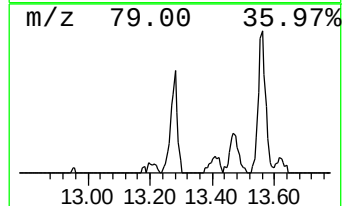
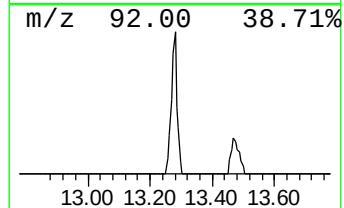
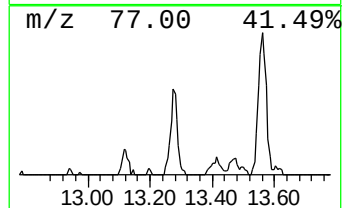
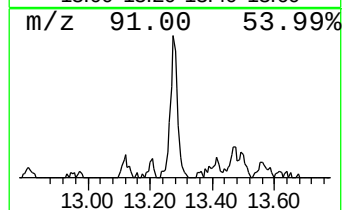
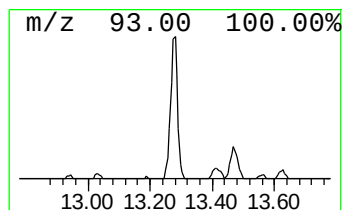
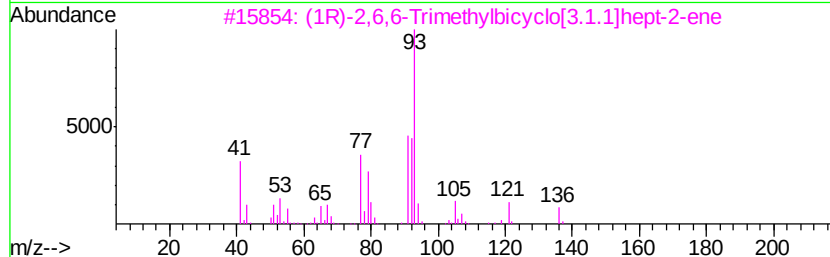
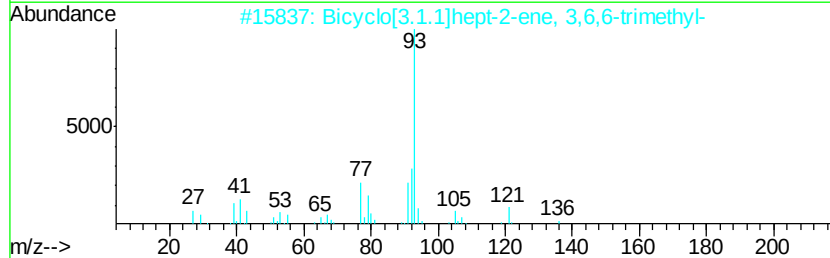
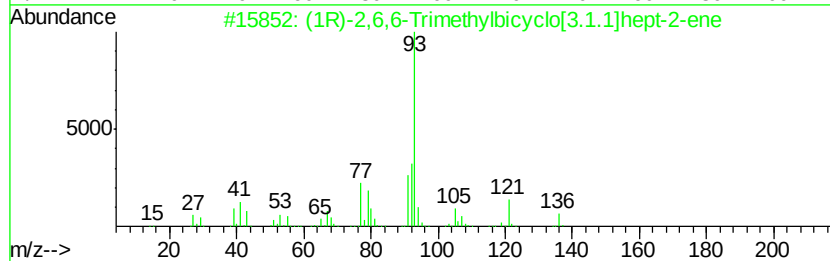
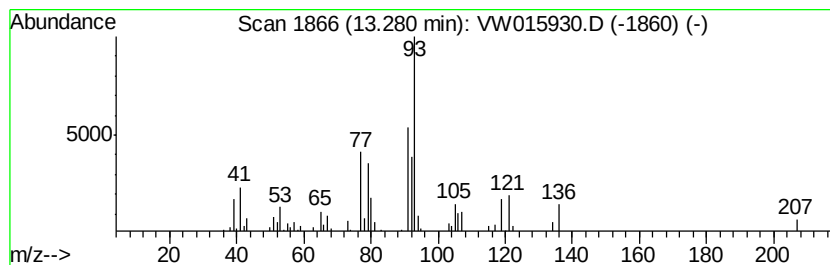
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 4 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	1.59 ug/L	33290	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	90
2		Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	90
3		(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	87
4		3-Carene	136	C10H16	013466-78-9	86
5		.gamma.-Terpinene	136	C10H16	000099-85-4	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015930.D
Acq On : 23 Jul 2020 18:37
Operator : SY/VA
Sample : L3388-09
Misc : 4.80G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD5

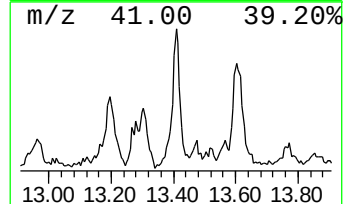
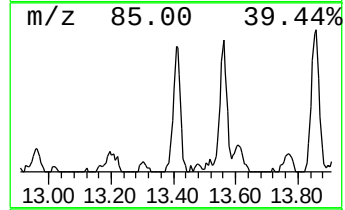
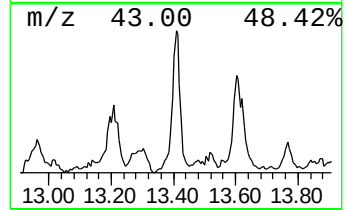
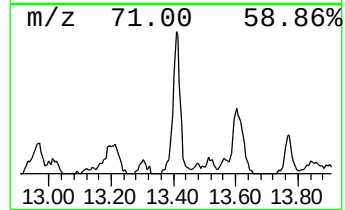
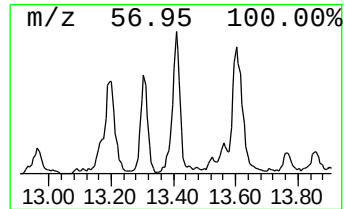
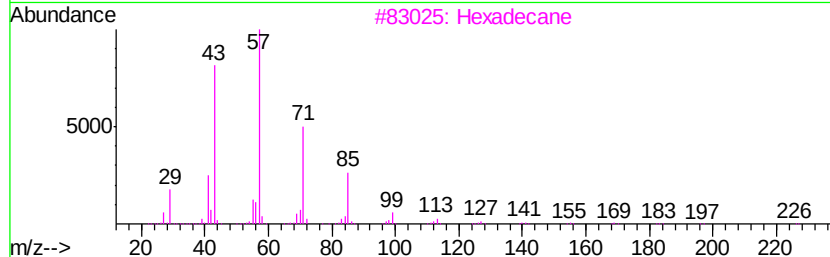
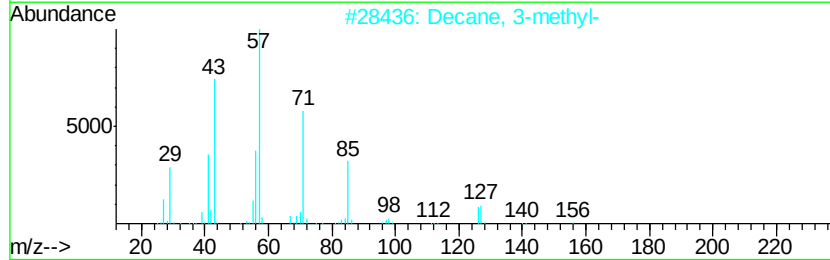
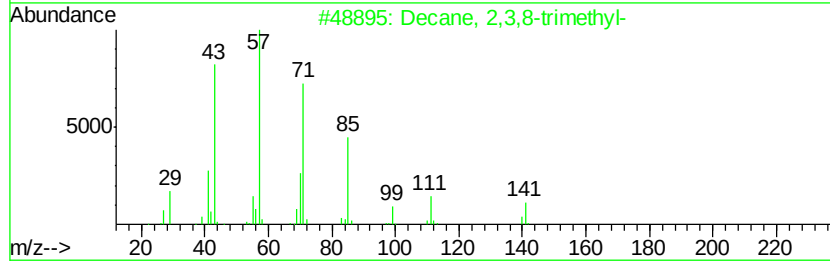
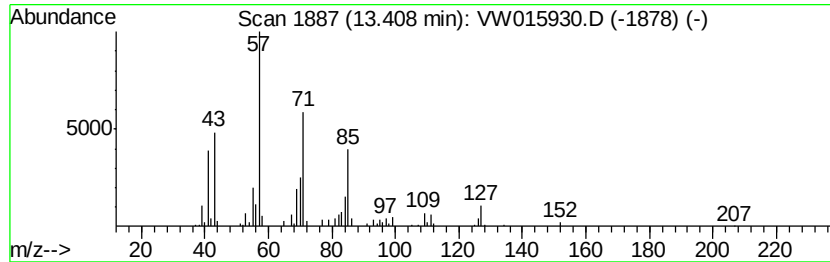
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.61 ug/L	54717	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	59
2		Decane, 3-methyl-	156	C11H24	013151-34-3	53
3		Hexadecane	226	C16H34	000544-76-3	53
4		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
5		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015930.D
Acq On : 23 Jul 2020 18:37
Operator : SY/VA
Sample : L3388-09
Misc : 4.80G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD5

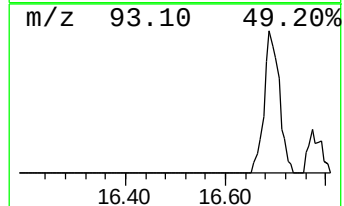
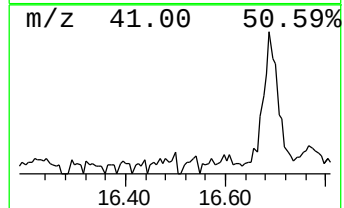
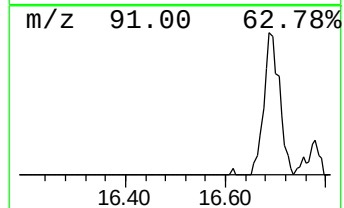
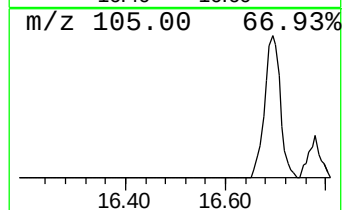
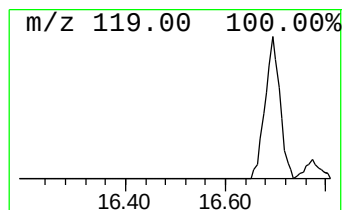
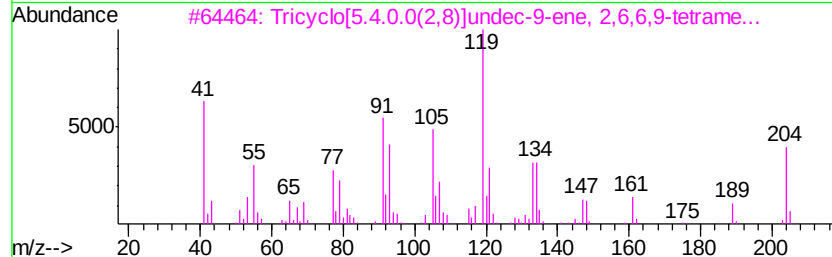
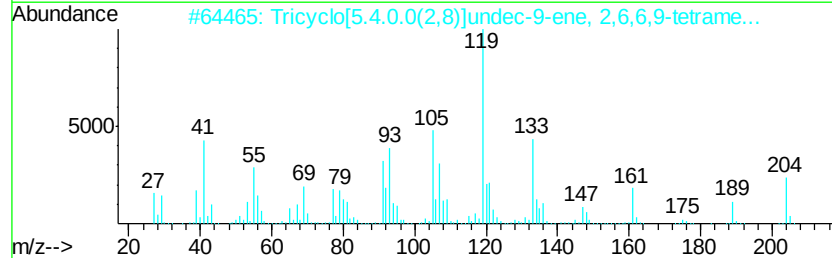
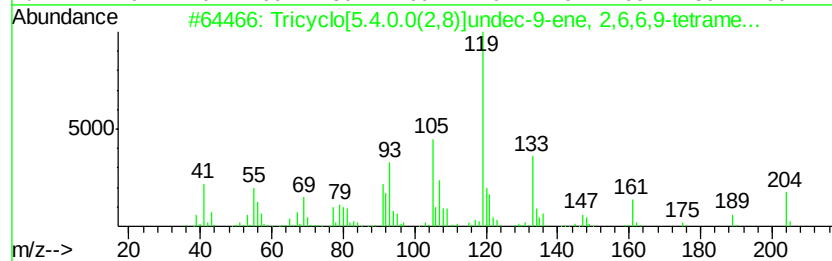
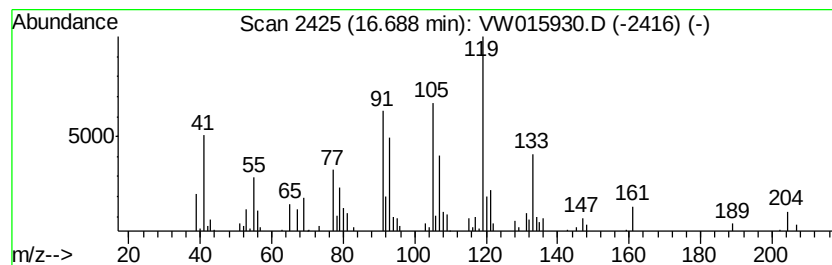
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 6 Tricyclo[5.4.0.0(2,8)]undec... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.09 ug/L	43988	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	98
2		Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	91
3		Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	80
4		.beta.-curcumene	204	C15H24	1000374-17-4	49
5		1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015930.D
Acq On : 23 Jul 2020 18:37
Operator : SY/VA
Sample : L3388-09
Misc : 4.80G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	12.60	1.9	ug/L	39831	3	13.56	524983	25.0
(DEL) Alkane: Str...	13.19	1.3	ug/L	26864	3	13.56	524983	25.0
(1R)-2,6,6-Trimet...	13.28	1.6	ug/L	33290	3	13.56	524983	25.0
(DEL) Alkane: Str...	13.41	2.6	ug/L	54717	3	13.56	524983	25.0
Tricyclo[5.4.0.0(...	16.69	2.1	ug/L	43988	3	13.56	524983	25.0