

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
 Data File : VW011892.D
 Acq On : 13 Aug 2019 13:47
 Operator : SY/VA
 Sample : K4215-23
 Misc : 2.75G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC7

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\SOM2WLM073019S.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	1.959	5	9	11	rBV2	9391	13094	2.21%	0.236%
2	2.148	36	40	49	rBV6	5107	13762	2.32%	0.248%
3	2.349	65	73	83	rBV	39418	74002	12.50%	1.336%
4	2.489	93	96	103	rBV2	4856	8708	1.47%	0.157%
5	2.891	154	162	175	rVB	30112	75762	12.80%	1.367%
6	3.202	212	213	217	rBV3	544	615	0.10%	0.011%
7	3.379	239	242	244	rVV3	707	880	0.15%	0.016%
8	3.531	264	267	269	rVV	1203	1277	0.22%	0.023%
9	3.684	285	292	299	rVV3	3047	7371	1.25%	0.133%
10	3.733	299	300	304	rVB3	639	652	0.11%	0.012%
11	3.849	311	319	330	rBV7	3324	11279	1.91%	0.204%
12	4.019	335	347	356	rVV	36438	116231	19.64%	2.098%
13	4.123	357	364	375	rVV	27452	79752	13.47%	1.439%
14	4.202	375	377	379	rVV3	1319	1497	0.25%	0.027%
15	4.220	379	380	382	rVV2	1155	833	0.14%	0.015%
16	4.330	395	398	399	rVV3	638	658	0.11%	0.012%
17	4.385	399	407	419	rVV2	7800	24695	4.17%	0.446%
18	4.678	449	455	459	rVB5	731	1491	0.25%	0.027%
19	4.812	474	477	480	rBV4	527	730	0.12%	0.013%
20	4.921	482	495	507	rBV2	23475	86426	14.60%	1.560%
21	5.147	525	532	533	rBV4	579	936	0.16%	0.017%
22	5.184	536	538	542	rVB3	473	680	0.11%	0.012%
23	5.428	575	578	580	rBV4	627	751	0.13%	0.014%
24	5.787	625	637	647	rBV4	2678	9526	1.61%	0.172%
25	5.940	649	662	675	rVB4	5290	17831	3.01%	0.322%
26	7.080	840	849	859	rBV	38393	113773	19.22%	2.053%
27	7.171	859	864	875	rVB2	10410	29397	4.97%	0.531%
28	7.531	919	923	929	rVB6	1034	1771	0.30%	0.032%
29	7.647	931	942	955	rBV	111431	273418	46.19%	4.935%
30	7.769	958	962	963	rBV2	599	637	0.11%	0.011%
31	7.793	963	966	970	rVB4	459	780	0.13%	0.014%
32	7.921	984	987	988	rBV2	623	721	0.12%	0.013%
33	8.012	998	1002	1003	rBV3	664	952	0.16%	0.017%
34	8.031	1003	1005	1007	rVV3	809	888	0.15%	0.016%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
 Data File : VW011892.D
 Acq On : 13 Aug 2019 13:47
 Operator : SY/VA
 Sample : K4215-23
 Misc : 2.75G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC7

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\SOM2WLM073019S.M
 Title : VOC Analysis

35	8.159	1023	1026	1031	rVB3	569	941	0.16%	0.017%
36	8.275	1031	1045	1061	rBV2	172084	591923	100.00%	10.683%
37	8.409	1061	1067	1068	rBV3	1414	2251	0.38%	0.041%
38	8.573	1089	1094	1103	rVB8	3791	8834	1.49%	0.159%
39	8.640	1103	1105	1108	rVB3	681	697	0.12%	0.013%
40	8.701	1108	1115	1120	rBV6	1687	4404	0.74%	0.079%
41	8.842	1127	1138	1150	rBV	207533	414847	70.08%	7.487%
42	9.079	1165	1177	1183	rBV9	4544	10094	1.71%	0.182%
43	9.122	1183	1184	1191	rVB3	686	831	0.14%	0.015%
44	9.274	1200	1209	1225	rBV	162925	347761	58.75%	6.277%
45	9.402	1227	1230	1231	rBV3	991	1010	0.17%	0.018%
46	9.604	1256	1263	1268	rBV6	2157	4869	0.82%	0.088%
47	9.750	1281	1287	1293	rVB5	3554	7202	1.22%	0.130%
48	9.884	1305	1309	1310	rBV3	600	692	0.12%	0.012%
49	10.036	1327	1334	1344	rBV	28626	54739	9.25%	0.988%
50	10.122	1346	1348	1351	rVV3	1003	719	0.12%	0.013%
51	10.213	1360	1363	1364	rBV2	757	778	0.13%	0.014%
52	10.323	1373	1381	1388	rBV	140619	252110	42.59%	4.550%
53	10.390	1388	1392	1396	rVB2	5329	8350	1.41%	0.151%
54	10.500	1405	1410	1415	rBV6	1611	2905	0.49%	0.052%
55	10.579	1415	1423	1428	rBV	23294	41739	7.05%	0.753%
56	10.707	1439	1444	1450	rVB	11602	19466	3.29%	0.351%
57	10.841	1464	1466	1472	rVB7	593	1107	0.19%	0.020%
58	10.927	1472	1480	1492	rBV	125077	223231	37.71%	4.029%
59	11.073	1499	1504	1513	rVB5	3780	7115	1.20%	0.128%
60	11.201	1523	1525	1527	rBV2	1052	1145	0.19%	0.021%
61	11.225	1527	1529	1535	rVB3	2098	2590	0.44%	0.047%
62	11.286	1535	1539	1541	rBV3	1737	1836	0.31%	0.033%
63	11.396	1553	1557	1559	rBV3	1018	1289	0.22%	0.023%
64	11.518	1572	1577	1578	rBV4	700	1081	0.18%	0.020%
65	11.634	1588	1596	1605	rBV	233737	406294	68.64%	7.333%
66	11.762	1615	1617	1621	rVB3	1862	1986	0.34%	0.036%
67	11.823	1621	1627	1633	rBV9	6090	17065	2.88%	0.308%
68	12.140	1670	1679	1690	rBV9	7078	26440	4.47%	0.477%
69	12.298	1702	1705	1707	rBV3	3295	4359	0.74%	0.079%
70	12.365	1707	1716	1722	rVV4	38133	83862	14.17%	1.514%
71	12.463	1730	1732	1737	rVB4	4382	5756	0.97%	0.104%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
 Data File : VW011892.D
 Acq On : 13 Aug 2019 13:47
 Operator : SY/VA
 Sample : K4215-23
 Misc : 2.75G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC7

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\SOM2WLM073019S.M
 Title : VOC Analysis

72	12.609	1752	1756	1762	rVB	18083	28414	4.80%	0.513%
73	12.694	1762	1770	1778	rBV	140486	254872	43.06%	4.600%
74	12.780	1780	1784	1792	rVB7	14015	27719	4.68%	0.500%
75	12.859	1792	1797	1800	rBV5	8335	15215	2.57%	0.275%
76	12.914	1800	1806	1822	rVB5	60779	201999	34.13%	3.646%
77	13.048	1822	1828	1838	rBV	304386	522543	88.28%	9.431%
78	13.170	1845	1848	1857	rVB8	8032	18937	3.20%	0.342%
79	13.255	1857	1862	1866	rBV3	8148	16845	2.85%	0.304%
80	13.560	1905	1912	1920	rBV	185709	302287	51.07%	5.456%
81	13.853	1954	1960	1971	rVB	111913	211123	35.67%	3.810%
82	13.950	1973	1976	1980	rVV	4060	6213	1.05%	0.112%
83	14.011	1983	1986	1990	rVV6	3694	6484	1.10%	0.117%
84	14.078	1992	1997	2004	rVB3	15486	37234	6.29%	0.672%
85	14.206	2013	2018	2023	rVB4	8259	15304	2.59%	0.276%
86	14.261	2024	2027	2028	rBV3	2969	3583	0.61%	0.065%
87	14.328	2034	2038	2044	rBV7	7513	14555	2.46%	0.263%
88	14.383	2044	2047	2049	rVV3	6246	8241	1.39%	0.149%
89	14.420	2050	2053	2057	rVB3	12739	18452	3.12%	0.333%
90	14.499	2063	2066	2070	rBV4	3675	5404	0.91%	0.098%
91	14.542	2070	2073	2075	rBV4	5311	7475	1.26%	0.135%
92	14.731	2101	2104	2109	rVB4	5630	8836	1.49%	0.159%
93	14.792	2109	2114	2121	rBV4	14559	38517	6.51%	0.695%
94	14.956	2139	2141	2147	rBV6	3278	5404	0.91%	0.098%
95	15.066	2154	2159	2163	rBV3	15912	25329	4.28%	0.457%
96	15.176	2173	2177	2183	rVB4	16861	32476	5.49%	0.586%
97	15.328	2198	2202	2206	rBV4	16107	26134	4.42%	0.472%
98	15.438	2212	2220	2222	rBV8	9134	23180	3.92%	0.418%
99	16.169	2335	2340	2345	rBV5	14010	32112	5.43%	0.580%
100	16.645	2410	2418	2430	rBV5	24823	91596	15.47%	1.653%

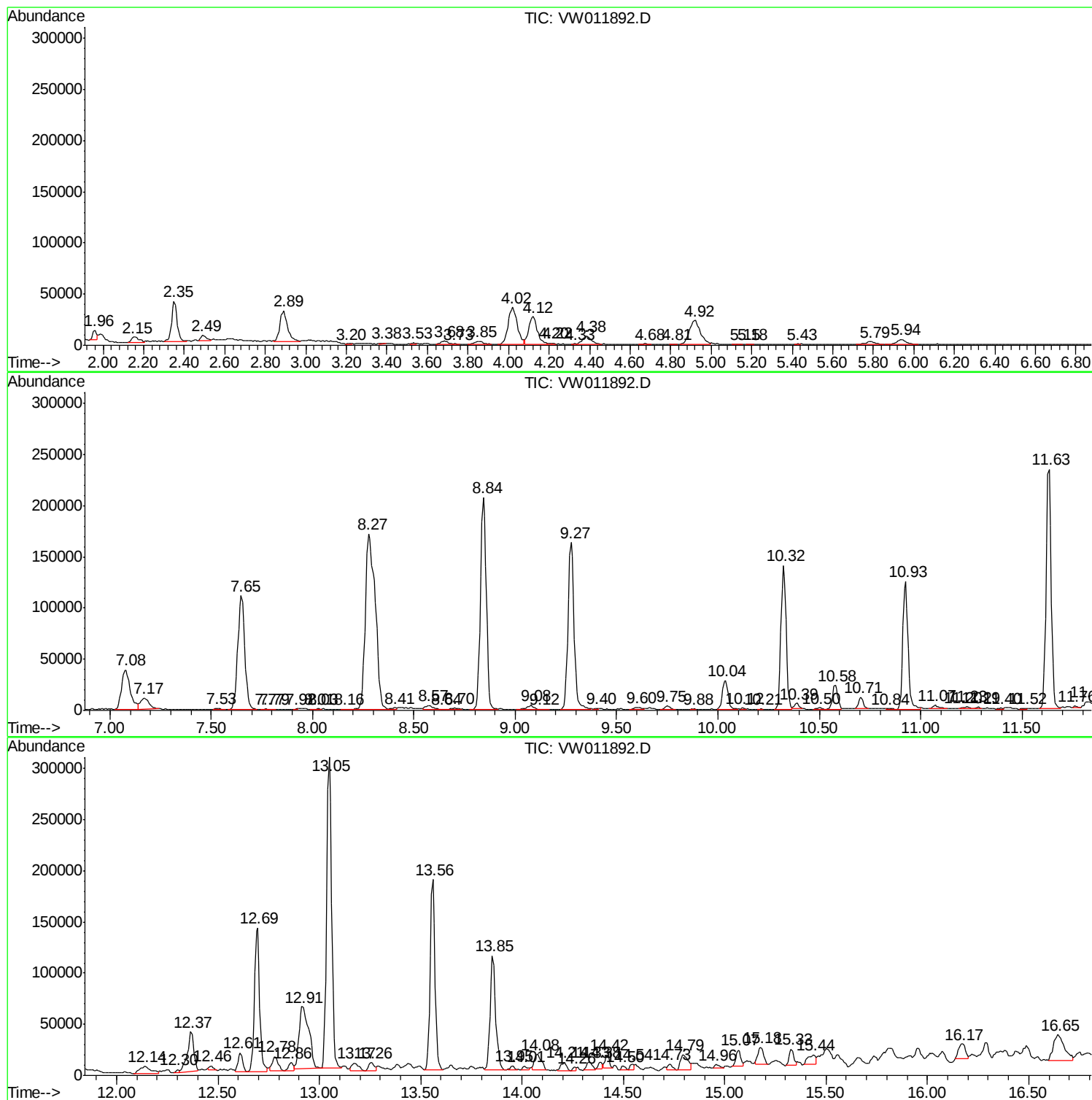
Sum of corrected areas: 5540577

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

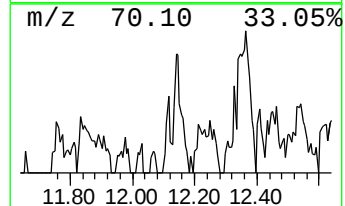
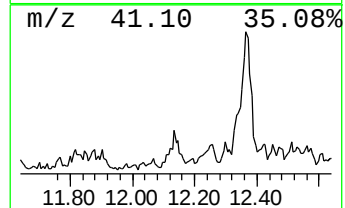
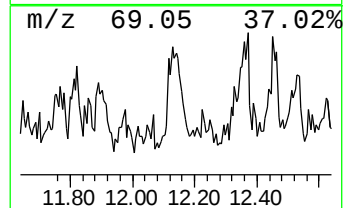
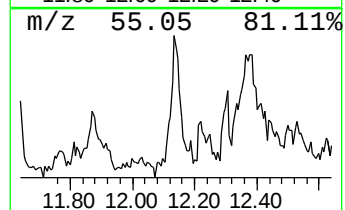
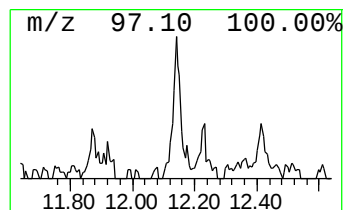
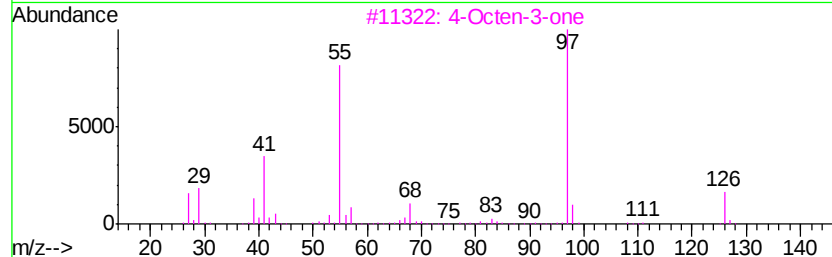
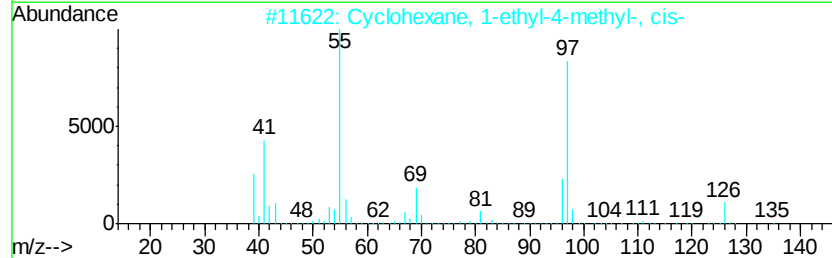
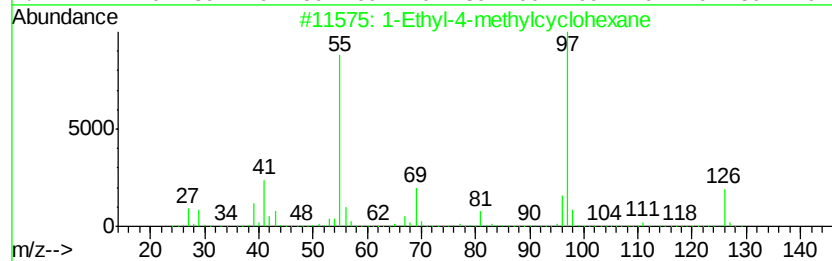
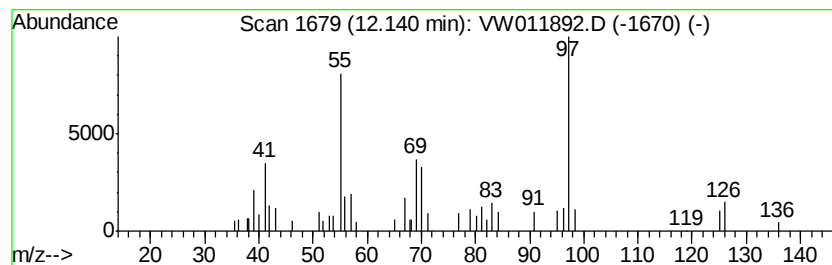
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 2 1-Ethyl-4-methylcyclohexane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	1.63 ug/L	26440	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
3		4-Octen-3-one	126	C8H14O	014129-48-7	52
4		2-Fluoropyridine	97	C5H4FN	000372-48-5	52
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

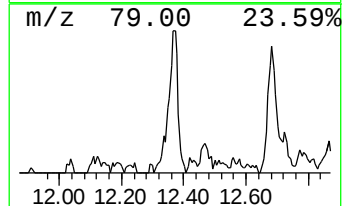
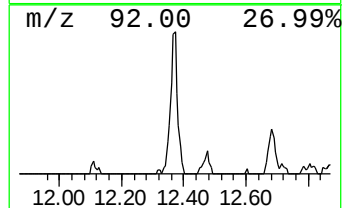
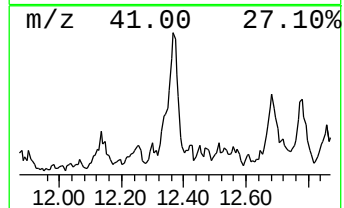
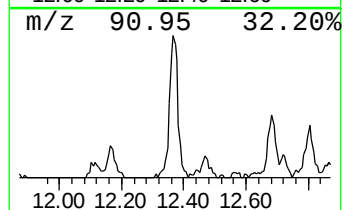
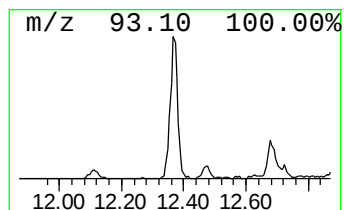
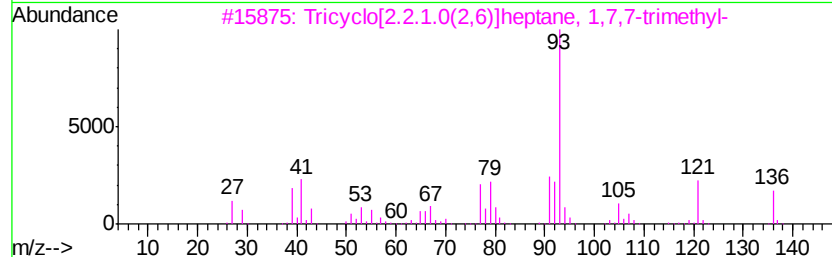
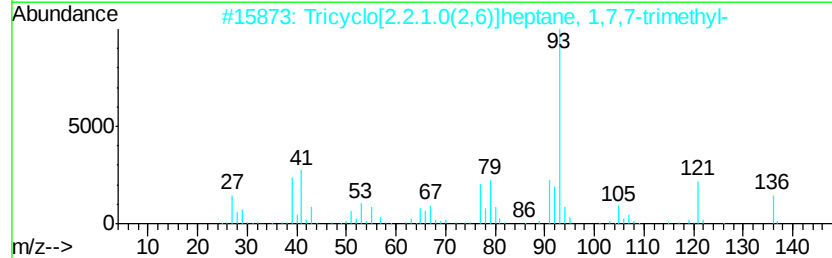
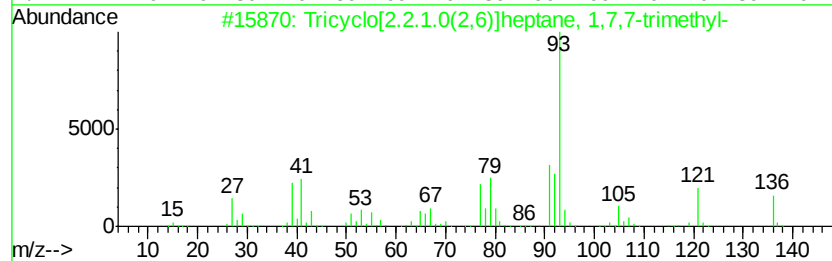
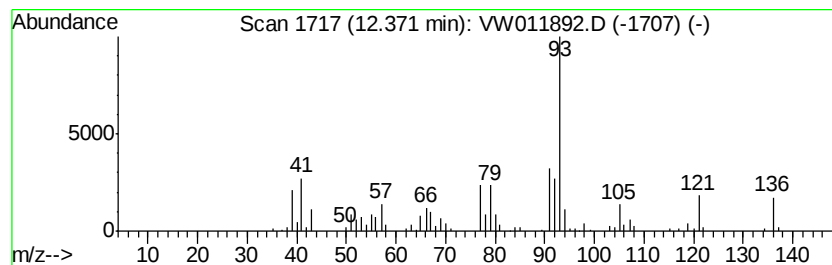
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 3 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	5.16 ug/L	83862	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	96
2		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	93
3		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	93
4		(+)-3-Carene	136	C10H16	000498-15-7	90
5		.gamma.-Terpinene	136	C10H16	000099-85-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

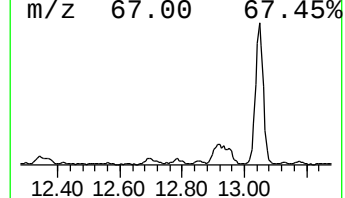
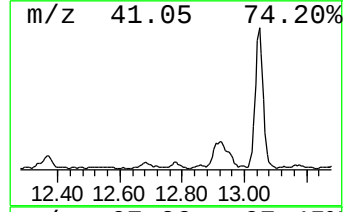
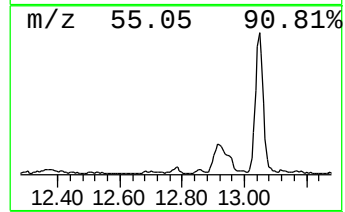
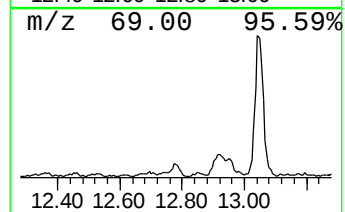
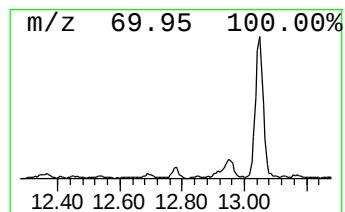
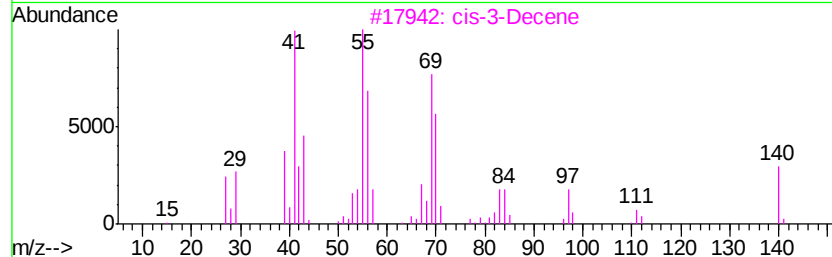
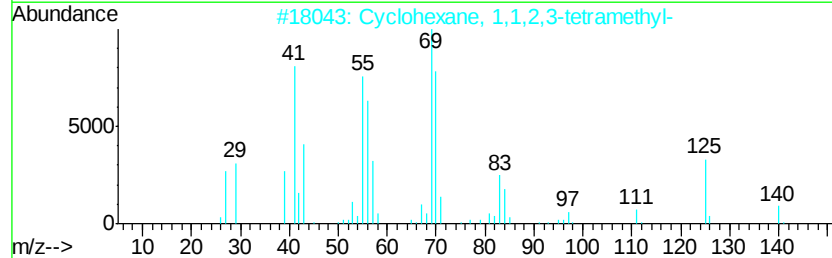
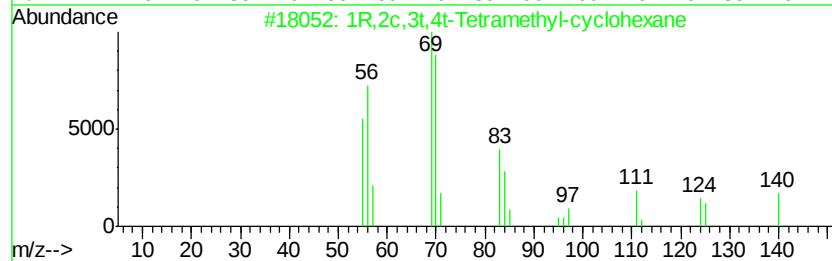
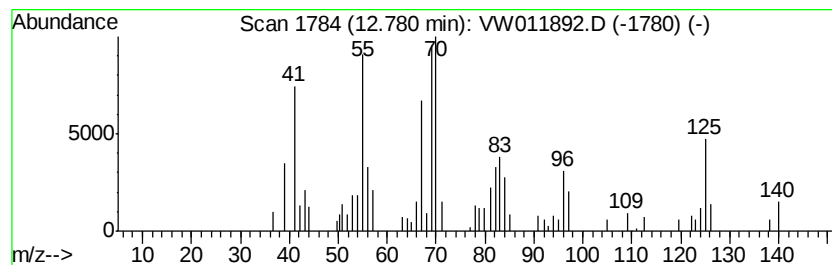
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 5 1R,2c,3t,4t-Tetramethyl-cyc... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.29 ug/L	27719	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	64
2		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	50
3		cis-3-Decene	140	C10H20	019398-86-8	46
4		Cyclopropane, 1-ethyl-2-pentyl-	140	C10H20	062238-08-8	43
5		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOC7

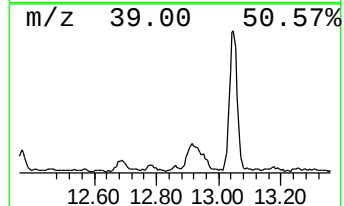
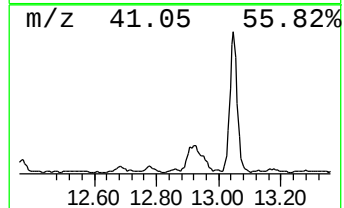
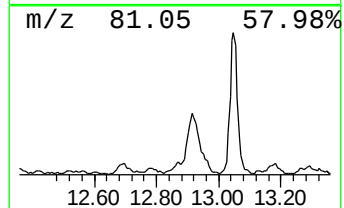
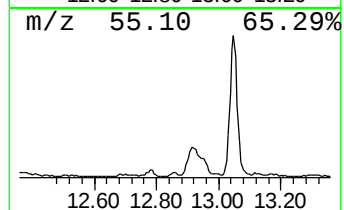
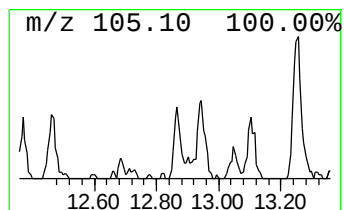
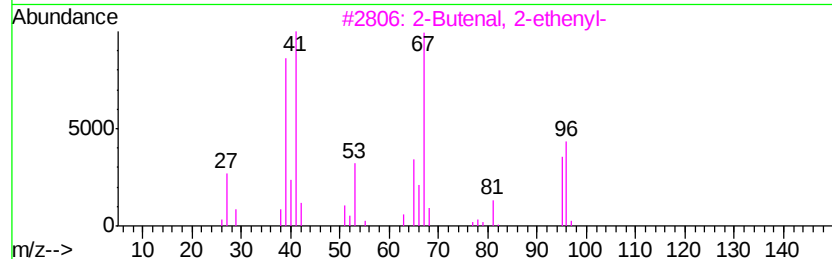
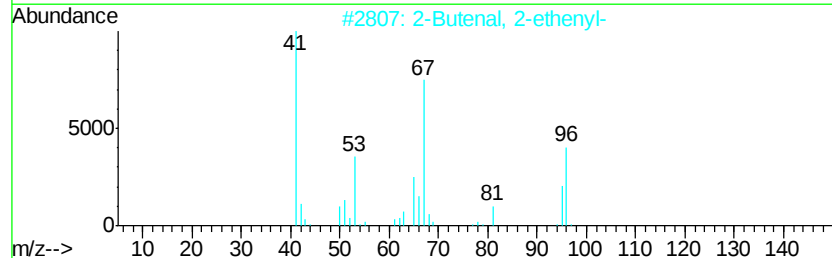
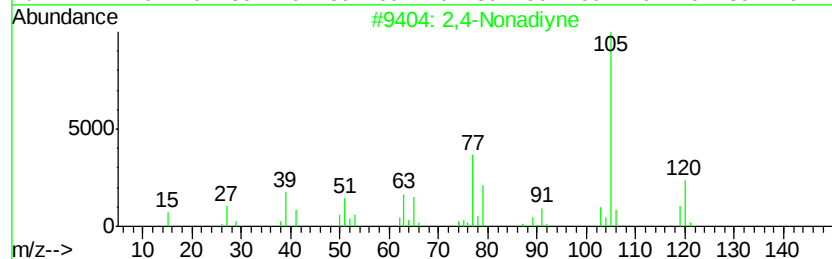
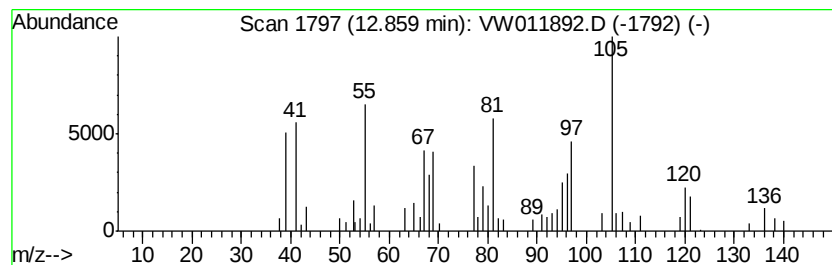
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 6 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	1.26 ug/L	15215	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Nonadiyne	120	C9H12	063621-15-8	25
2		2-Butenal, 2-ethenyl-	96	C6H8O	020521-42-0	22
3		2-Butenal, 2-ethenyl-	96	C6H8O	020521-42-0	22
4		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	18
5		2-Penten-4-yn-1-ol, 3-methyl-, (E)-	96	C6H8O	006153-06-6	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

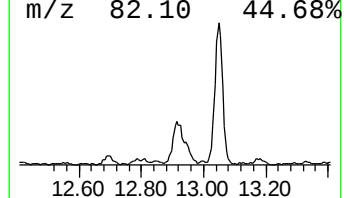
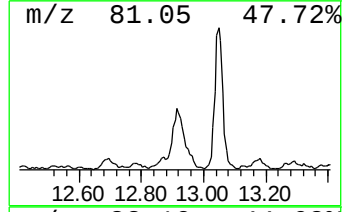
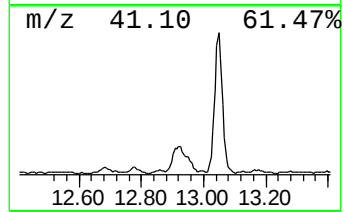
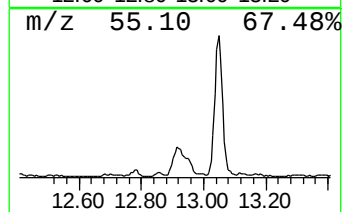
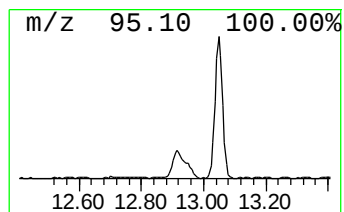
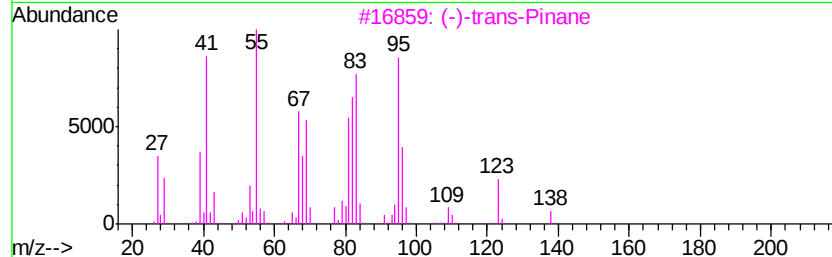
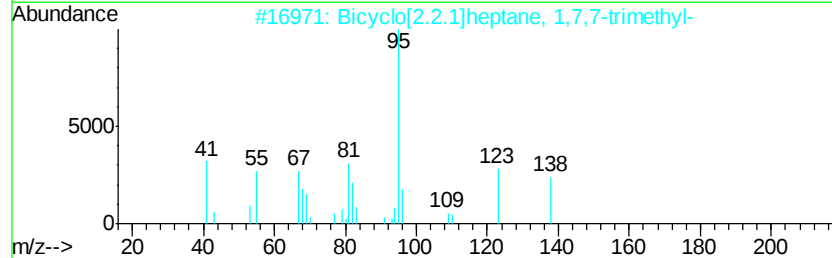
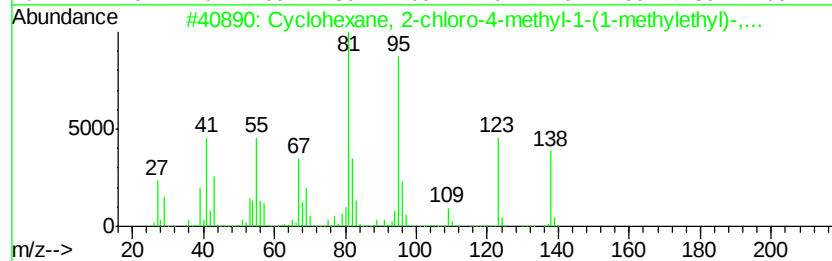
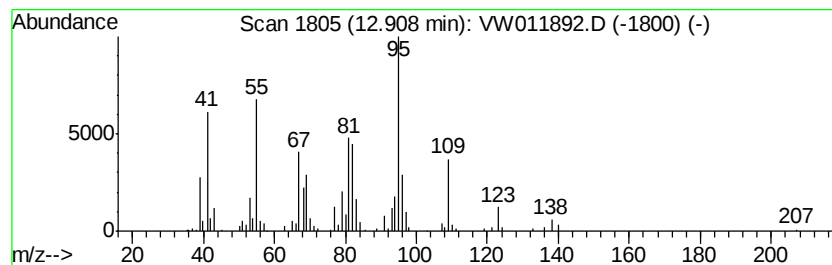
Instrument :
MSVOA_W
ClientSampleId :
ETOC7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 7 Cyclohexane, 2-chloro-4-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.91	16.71 ug/L	201999	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 2-chloro-4-methyl-1...	174	C10H19Cl	016052-42-9	59
2		Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	58
3		(-)-trans-Pinane	138	C10H18	033626-25-4	52
4		Cvclohexene, 3-methyl-6-(1-methv...	138	C10H18	005256-65-5	50
5		3,5-Octadiene, 2,7-dimethyl-, (E...	138	C10H18	055682-64-9	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

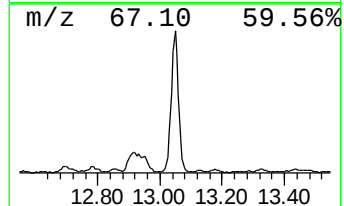
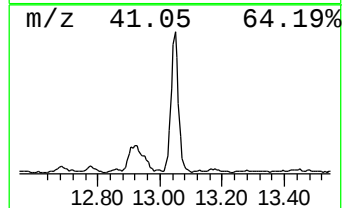
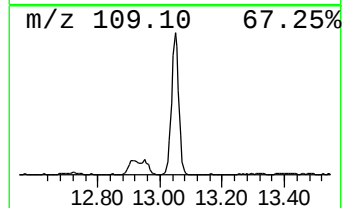
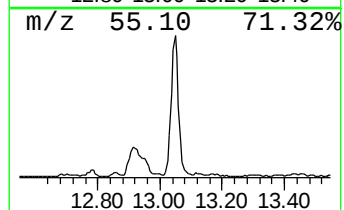
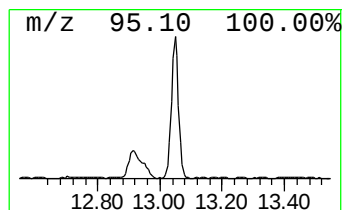
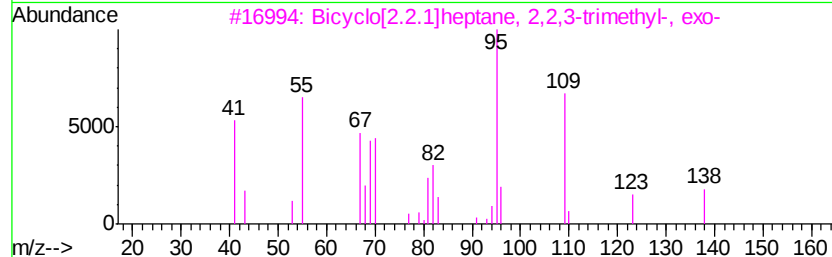
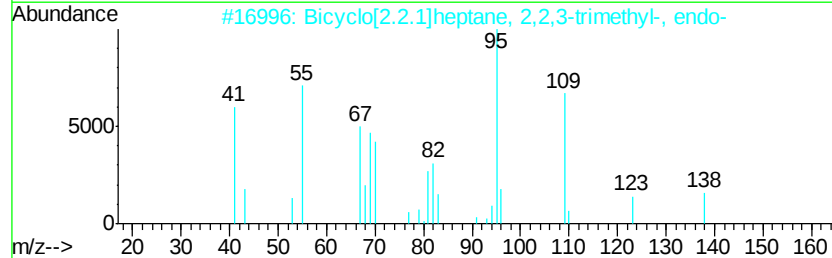
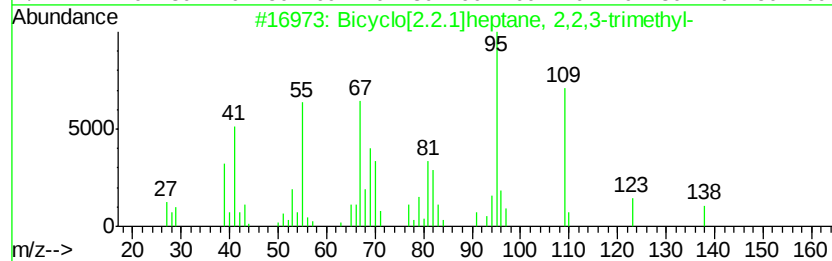
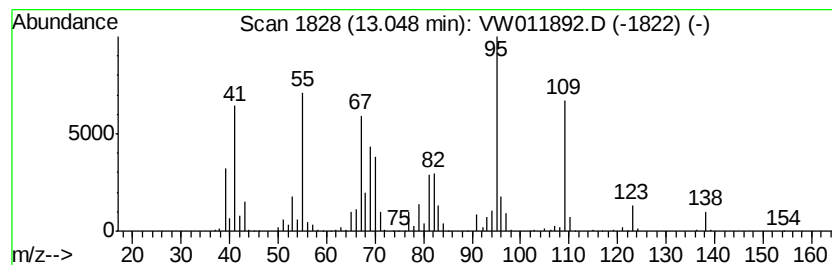
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 8 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	43.22 ug/L	522543	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	97
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	95
3		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	95
4		Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	58
5		2-Nonen-4-yn-1-ol, (Z)-	138	C9H14O	134225-90-4	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

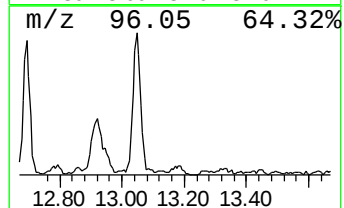
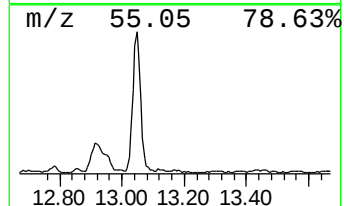
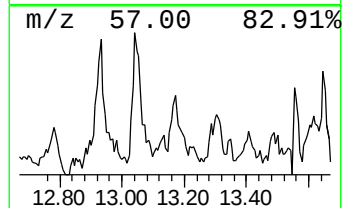
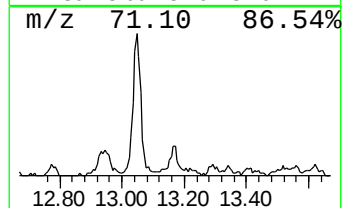
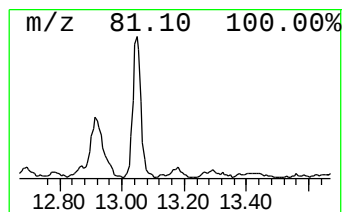
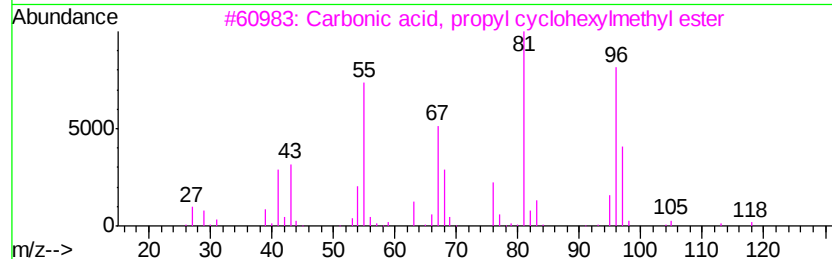
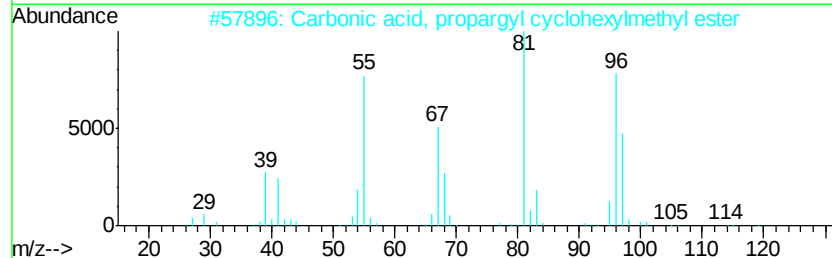
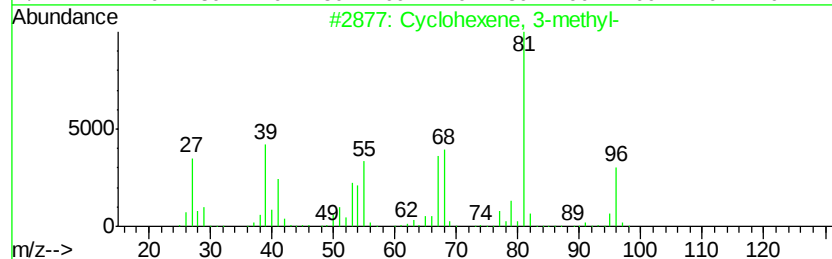
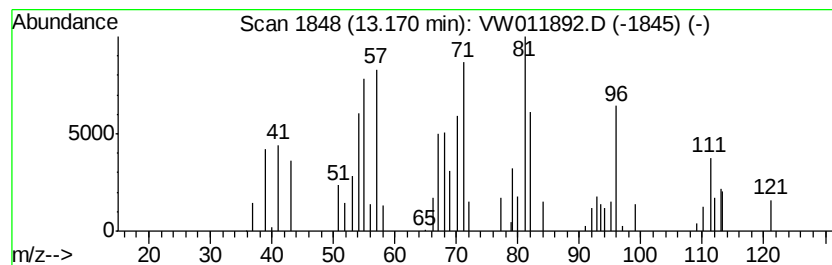
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 9 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	1.57 ug/L	18937	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	27
2		Carbonic acid, propargyl cyclohe...	196	C11H16O3	1000357-91-0	27
3		Carbonic acid, propyl cyclohexyl...	200	C11H20O3	1000357-81-6	27
4		Cyclohexane, methylene-	96	C7H12	001192-37-6	22
5		Carbonic acid, ethyl cyclohexylm...	186	C10H18O3	1000357-91-5	16



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

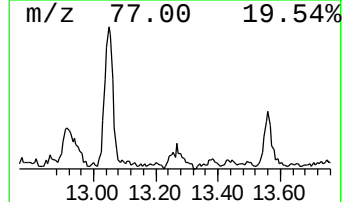
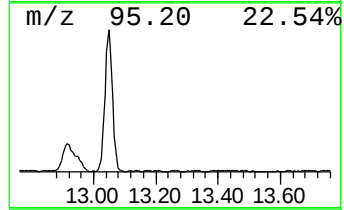
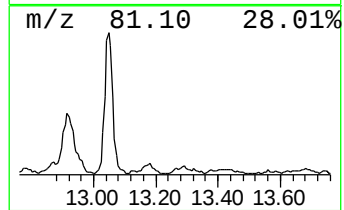
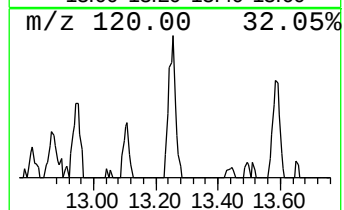
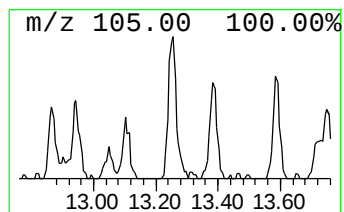
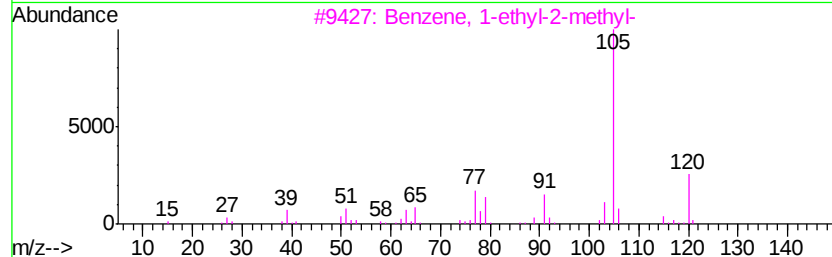
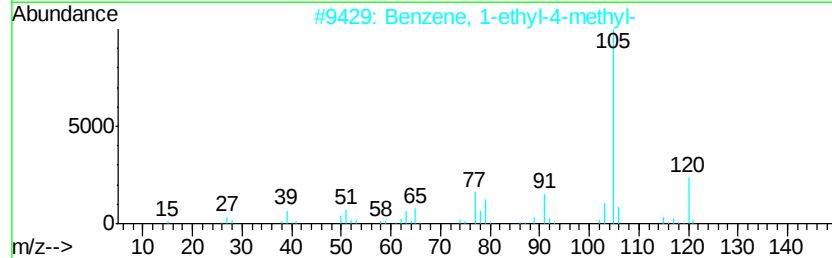
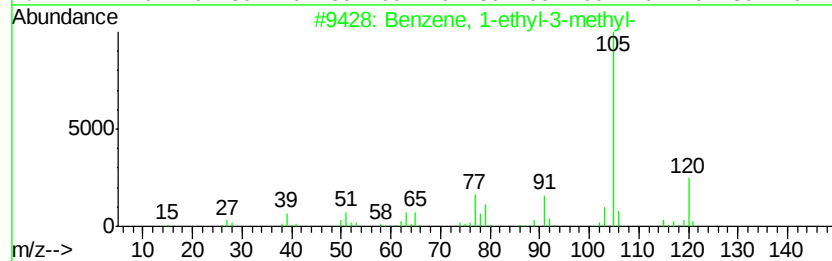
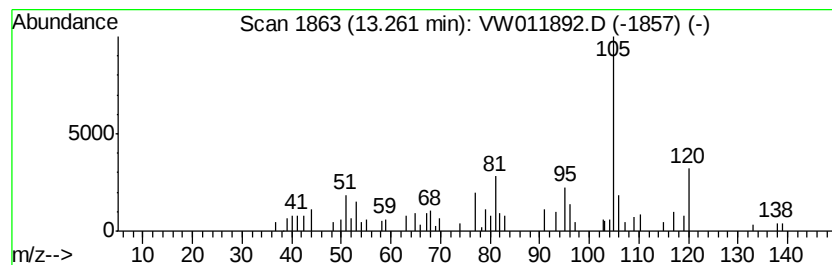
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.39 ug/L	16845	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
4		1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	80
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

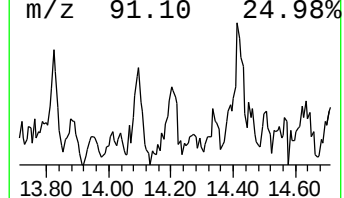
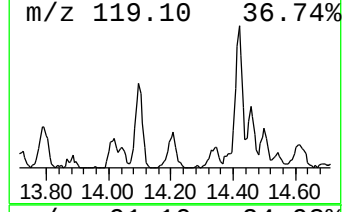
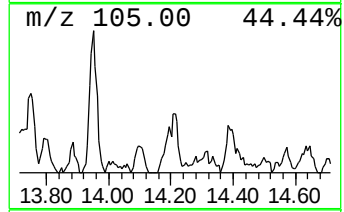
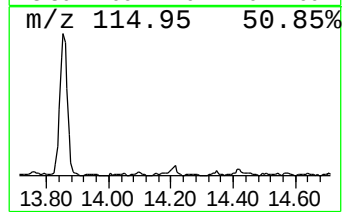
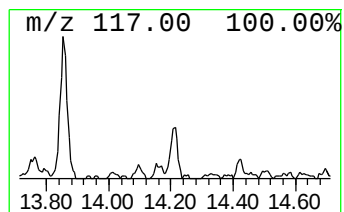
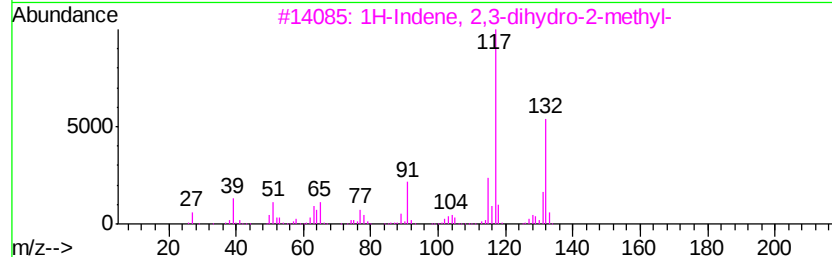
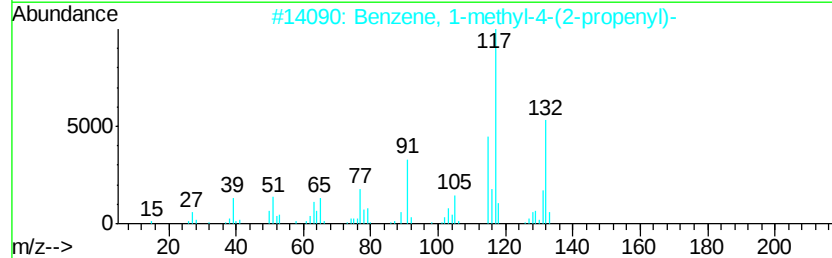
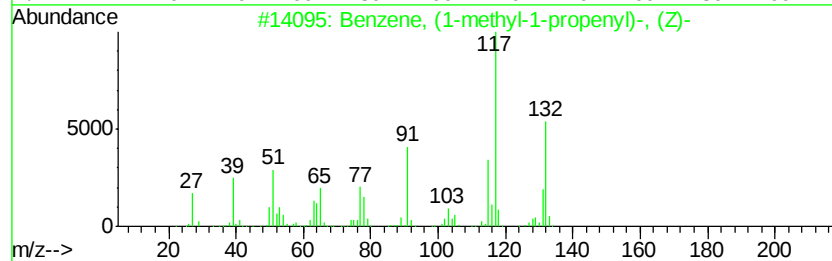
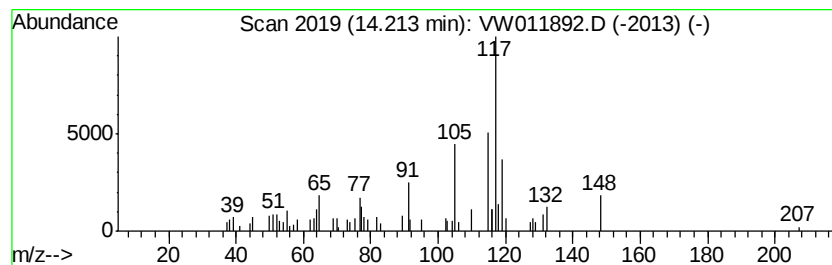
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 12 Benzene, (1-methyl-1-propen... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	1.27 ug/L	15304	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	64
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
3		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

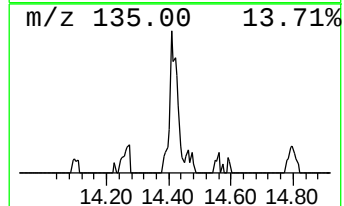
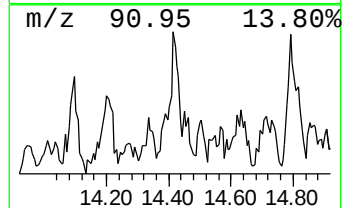
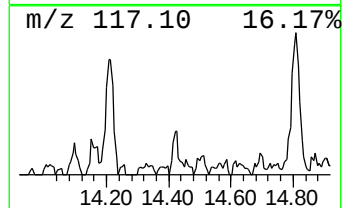
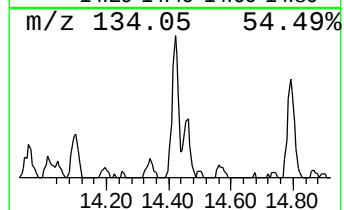
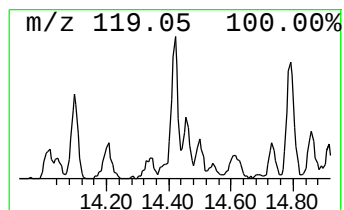
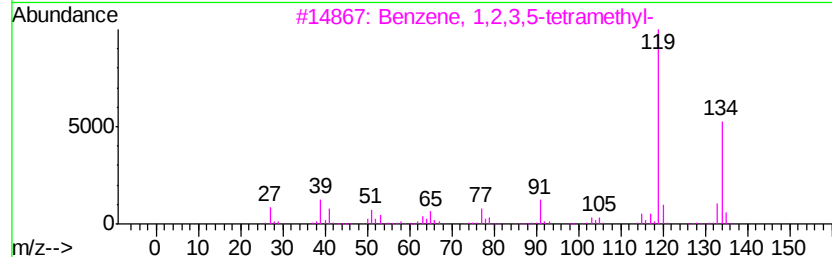
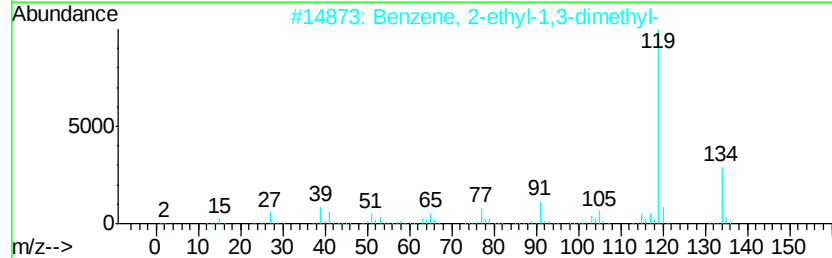
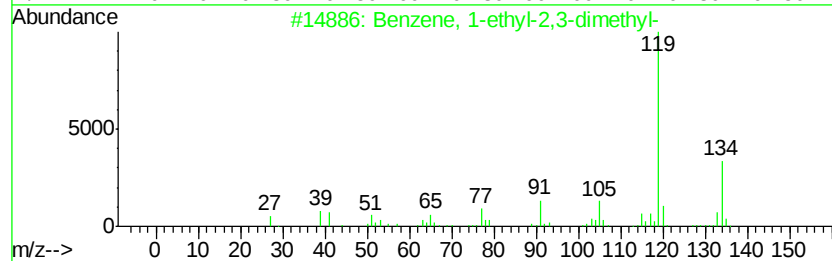
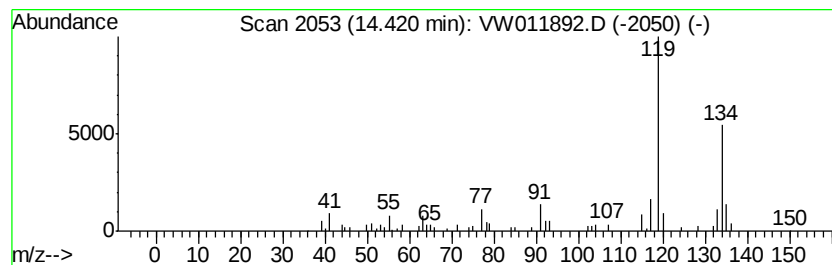
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	1.53 ug/L	18452	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	83
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	83
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

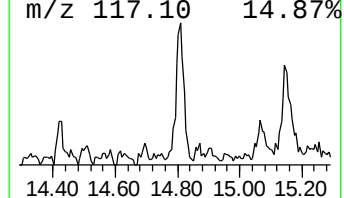
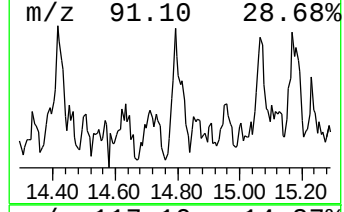
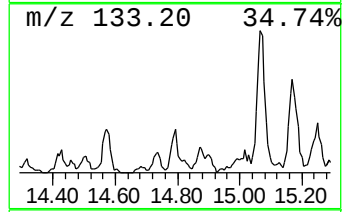
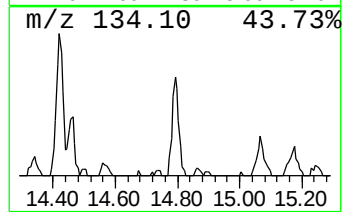
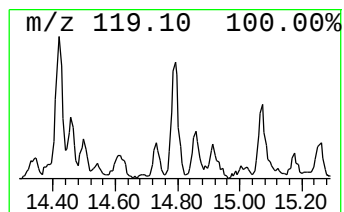
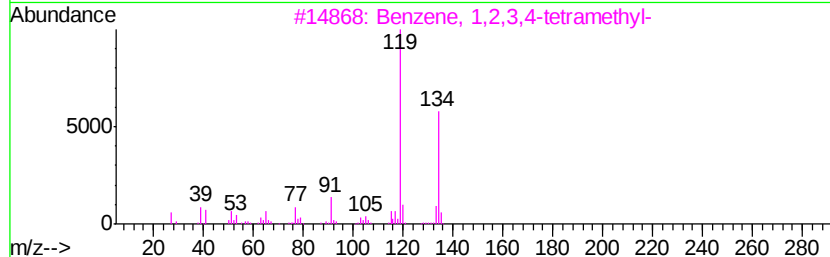
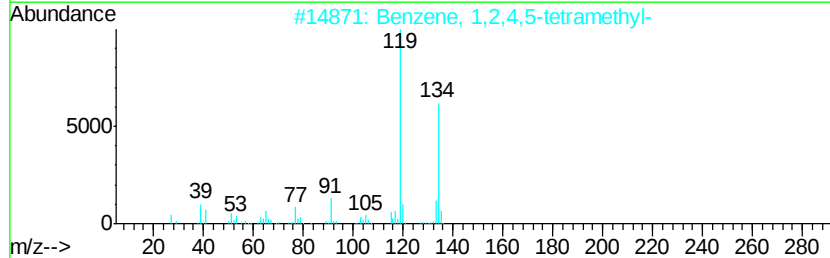
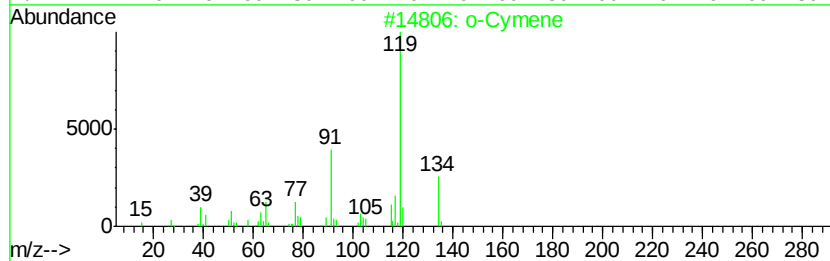
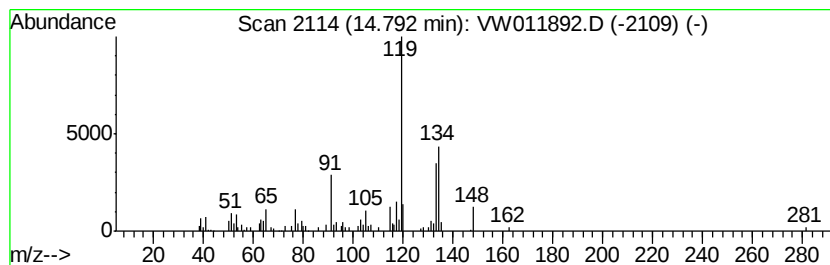
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 14 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	3.19 ug/L	38517	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5		o-Cymene	134	C10H14	000527-84-4	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

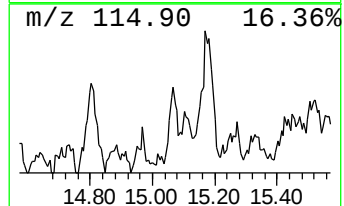
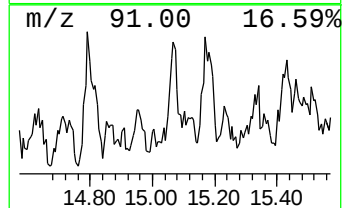
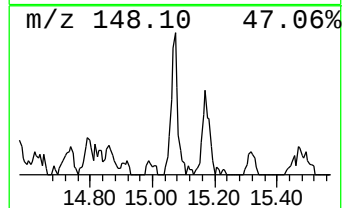
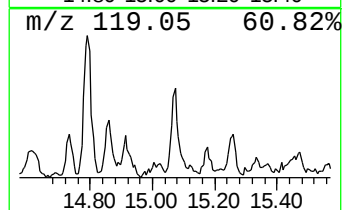
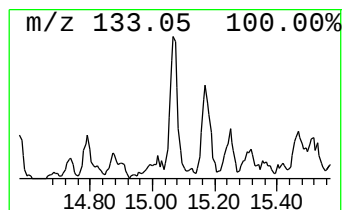
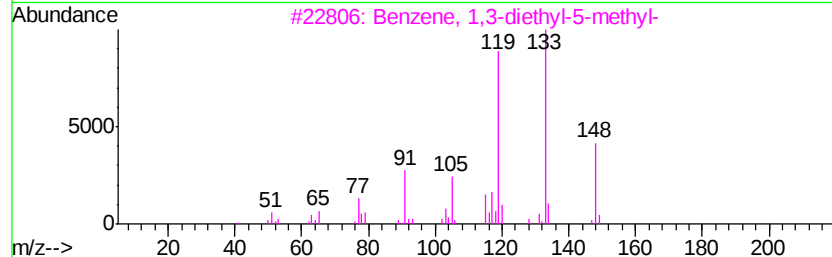
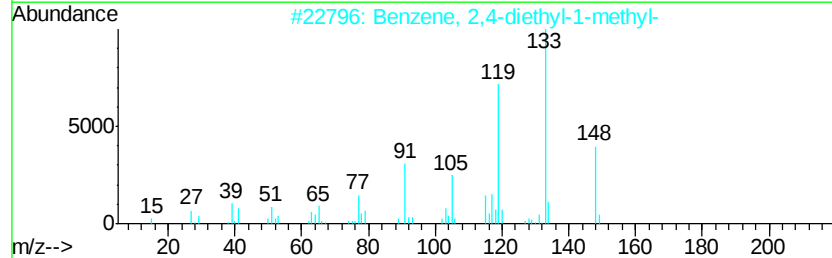
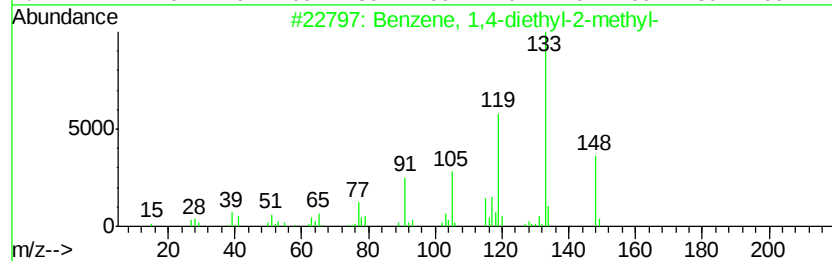
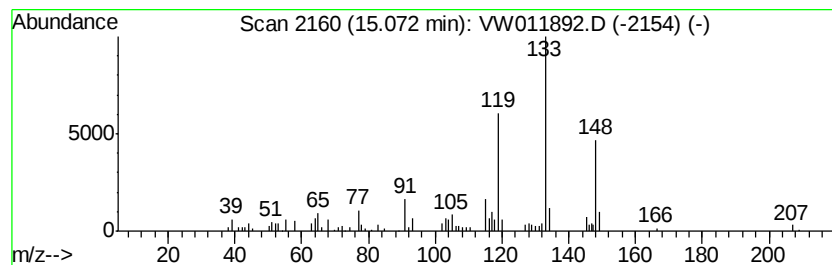
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.09 ug/L	25329	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	90
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
4		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

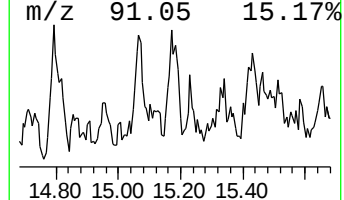
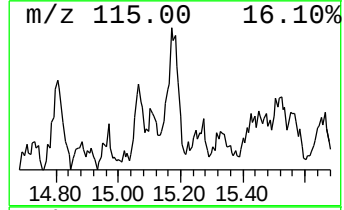
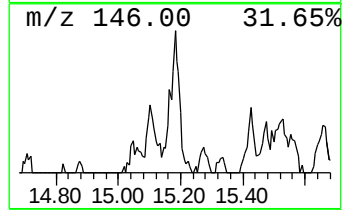
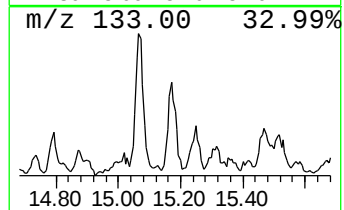
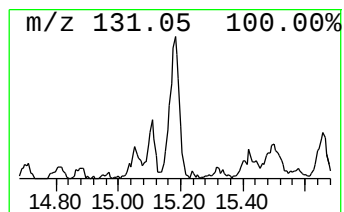
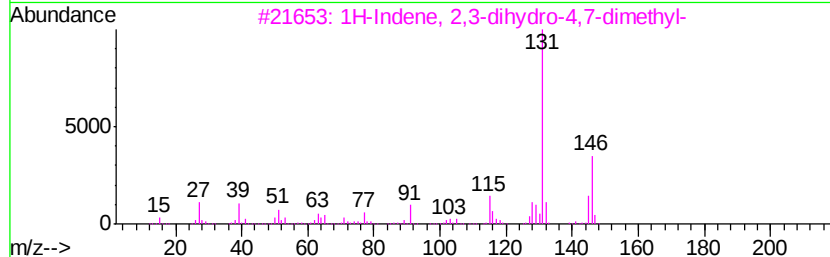
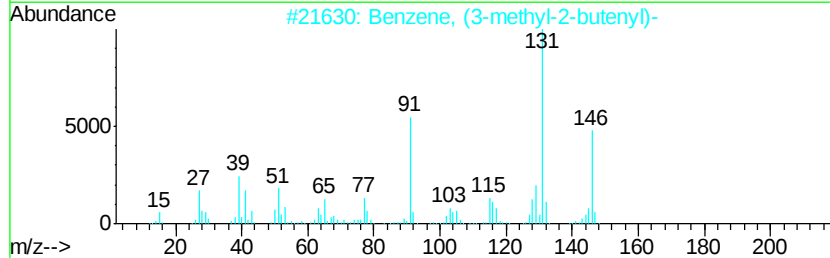
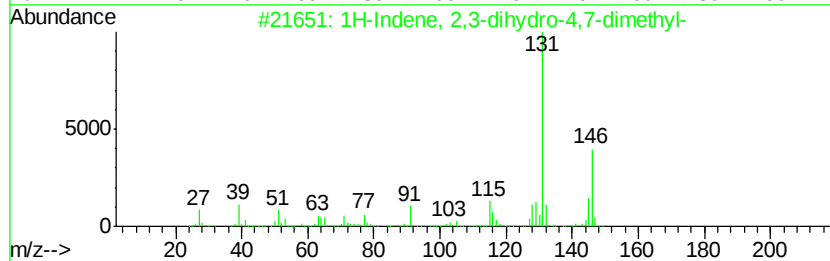
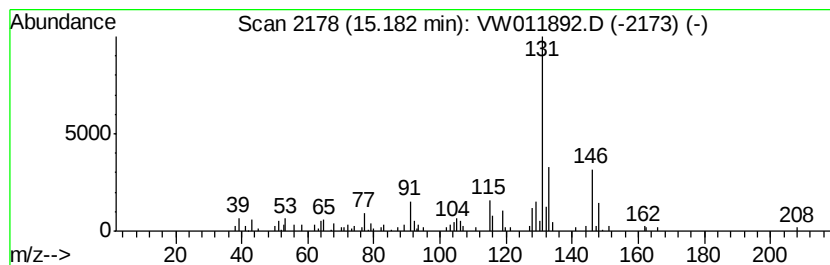
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 16 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	2.69 ug/L	32476	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

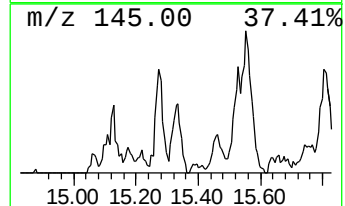
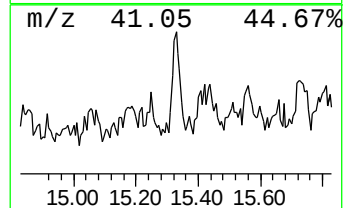
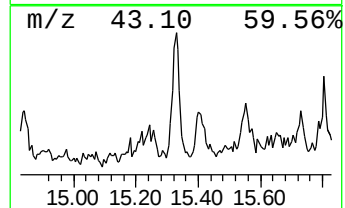
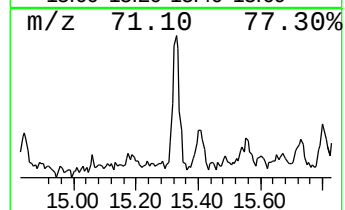
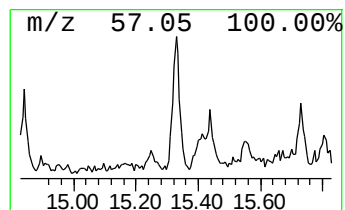
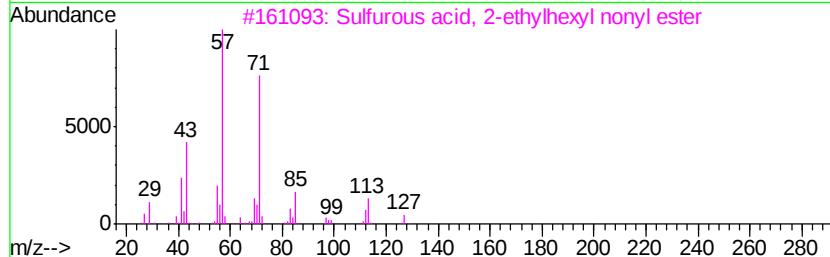
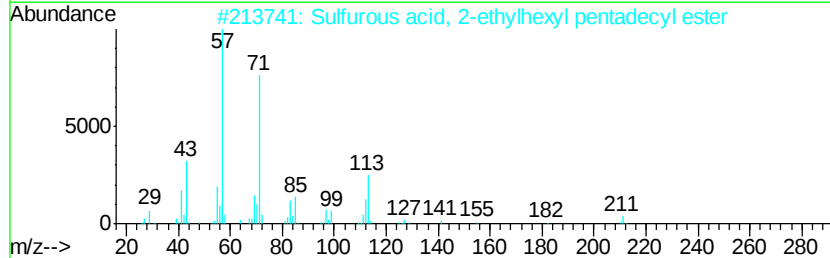
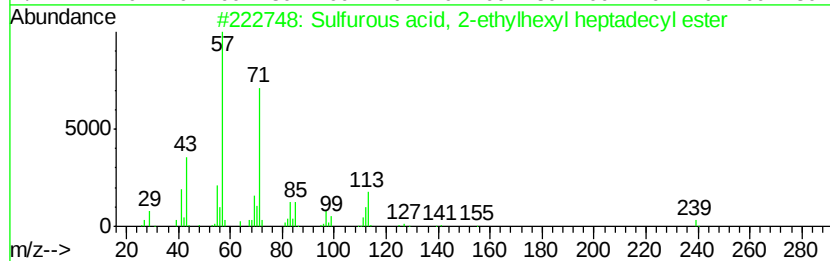
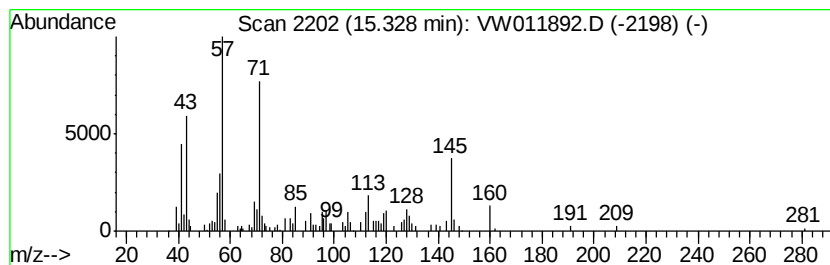
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 17 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	2.16 ug/L	26134	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	49
2		Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	47
3		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	46
4		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	43
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

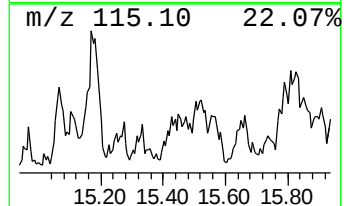
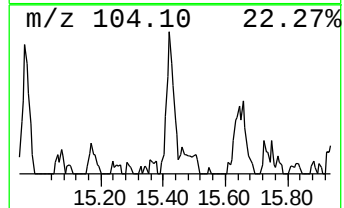
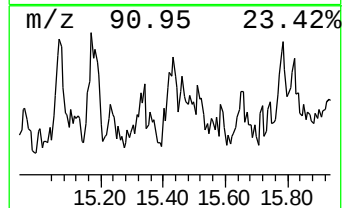
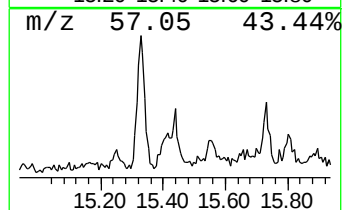
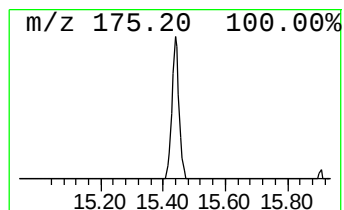
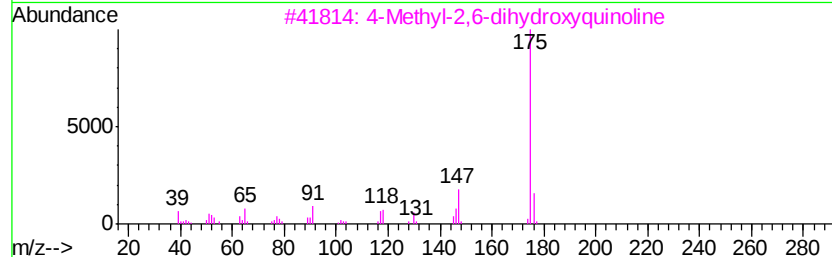
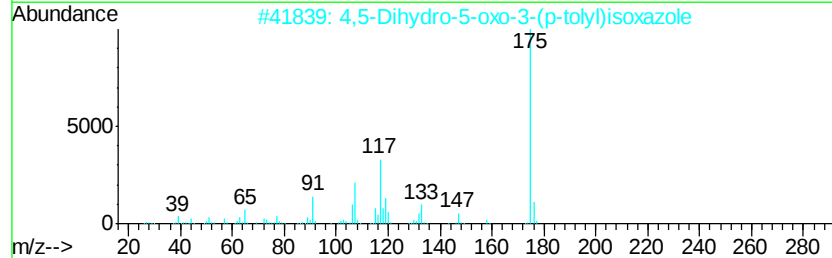
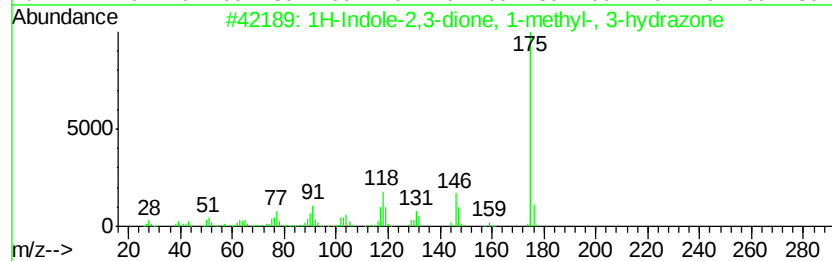
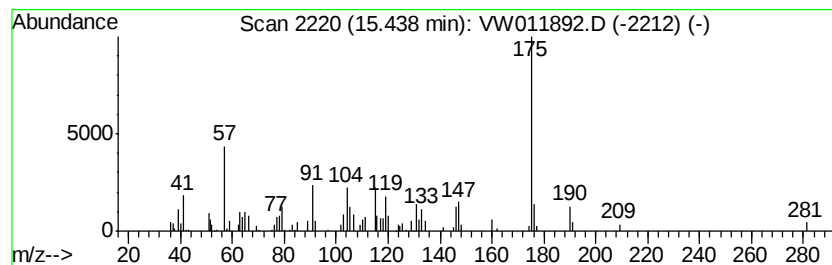
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 18 1H-Indole-2,3-dione, 1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	1.92 ug/L	23180	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indole-2,3-dione, 1-methyl-, ...	175	C9H9N3O	003265-23-4	58
2		4,5-Dihydro-5-oxo-3-(p-tolyl)iso...	175	C10H9N02	025755-82-2	52
3		4-Methyl-2,6-dihydroxyquinoline	175	C10H9N02	034982-01-9	52
4		m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	50
5		4-Methyl-2,6-dihydroxyquinoline	175	C10H9N02	034982-01-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

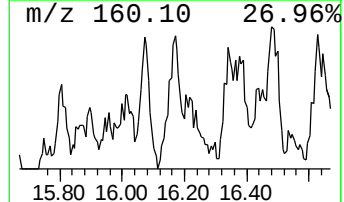
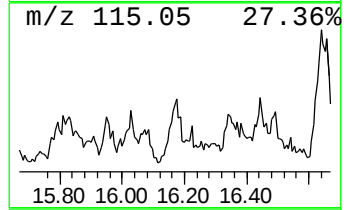
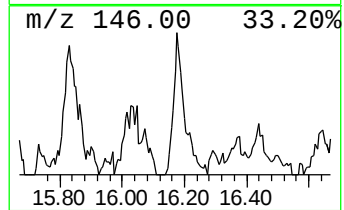
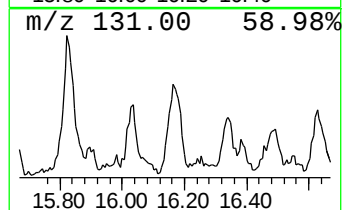
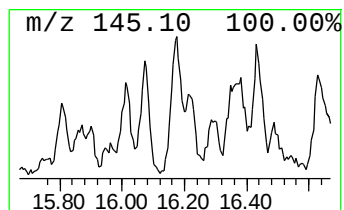
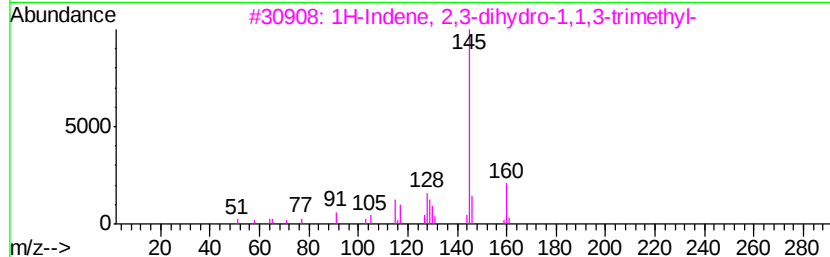
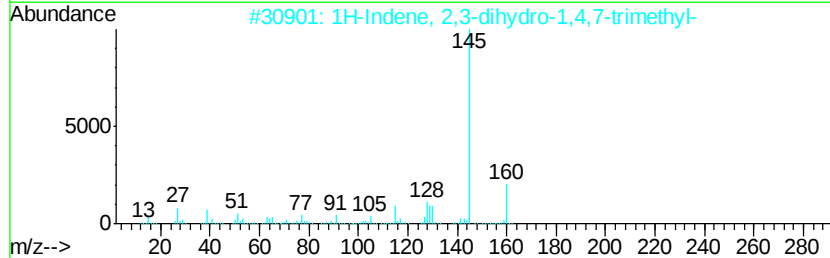
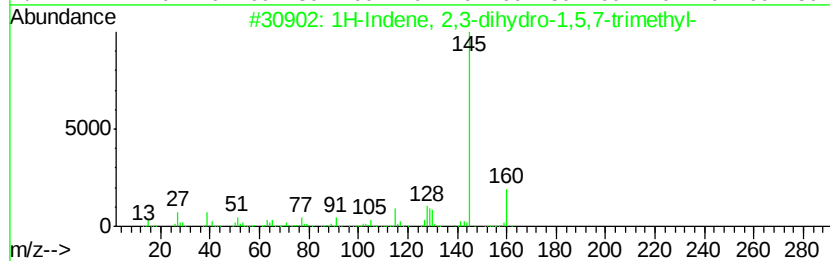
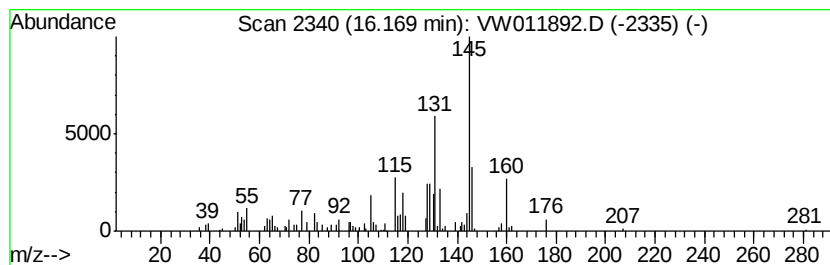
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 19 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	2.66 ug/L	32112	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	60
2			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	60
3			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
5			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011892.D
Acq On : 13 Aug 2019 13:47
Operator : SY/VA
Sample : K4215-23
Misc : 2.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC7

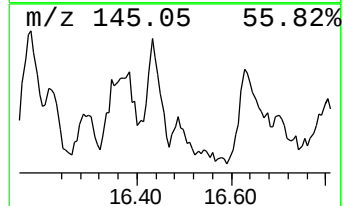
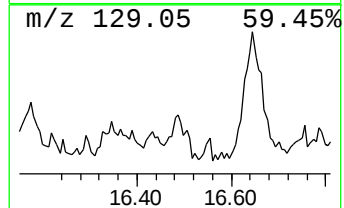
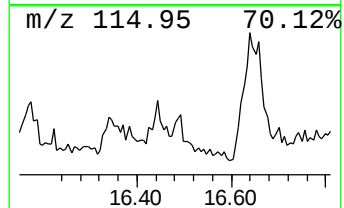
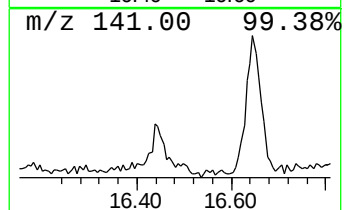
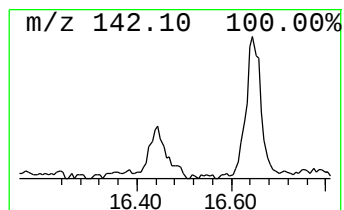
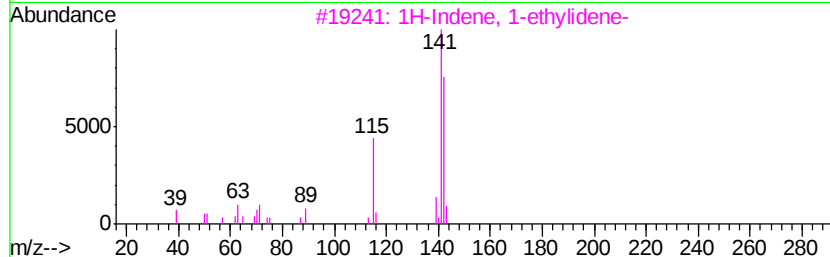
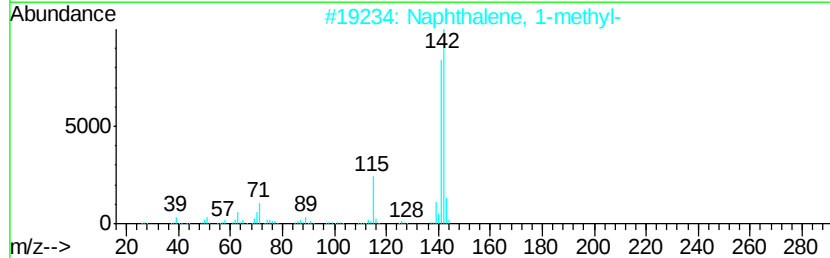
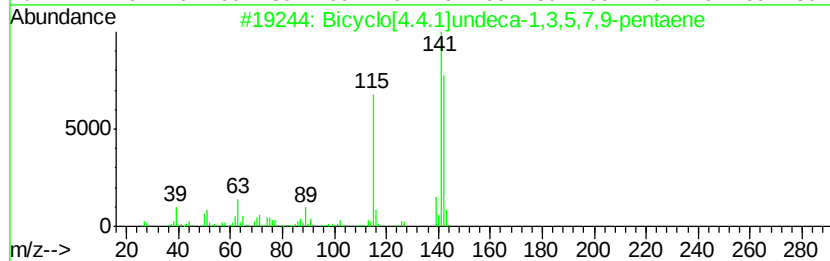
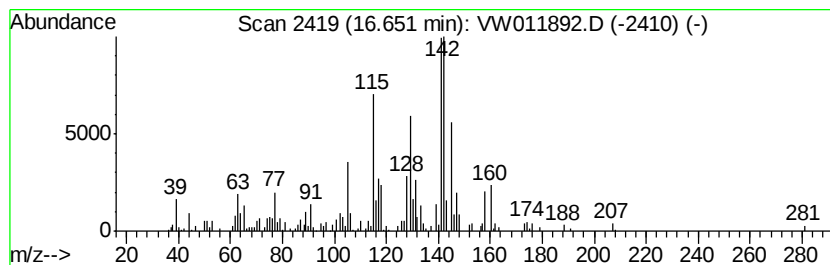
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 20 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	7.58 ug/L	91596	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
3			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	52
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	50
5			Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
 Data File : VW011892.D
 Acq On : 13 Aug 2019 13:47
 Operator : SY/VA
 Sample : K4215-23
 Misc : 2.75G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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
1-Ethyl-4-methylc...	12.14	1.6	ug/L	26440	2	11.63	406294	25.0
Tricyclo[2.2.1.0(...	12.37	5.2	ug/L	83862	2	11.63	406294	25.0
1R,2c,3t,4t-Tetra...	12.78	2.3	ug/L	27719	3	13.56	302287	25.0
unknown-01	12.86	1.3	ug/L	15215	3	13.56	302287	25.0
Cyclohexane, 2-ch...	12.91	16.7	ug/L	201999	3	13.56	302287	25.0
Bicyclo[2.2.1]hep...	13.05	43.2	ug/L	522543	3	13.56	302287	25.0
unknown-02	13.17	1.6	ug/L	18937	3	13.56	302287	25.0
Benzene, 1-ethyl-...	13.26	1.4	ug/L	16845	3	13.56	302287	25.0
Benzene, (1-methy...	14.21	1.3	ug/L	15304	3	13.56	302287	25.0
Benzene, 1-ethyl-...	14.42	1.5	ug/L	18452	3	13.56	302287	25.0
o-Cymene	14.79	3.2	ug/L	38517	3	13.56	302287	25.0
Benzene, 1,4-diet...	15.07	2.1	ug/L	25329	3	13.56	302287	25.0
1H-Indene, 2,3-di...	15.18	2.7	ug/L	32476	3	13.56	302287	25.0
unknown-03	15.33	2.2	ug/L	26134	3	13.56	302287	25.0
1H-Indole-2,3-dio...	15.44	1.9	ug/L	23180	3	13.56	302287	25.0
1H-Indene, 2,3-di...	16.17	2.7	ug/L	32112	3	13.56	302287	25.0
Bicyclo[4.4.1]und...	16.65	7.6	ug/L	91596	3	13.56	302287	25.0