

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010220.D
 Acq On : 30 Apr 2019 14:52
 Operator : SY/VA
 Sample : K2604-07
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ81

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\SOM2WLM042919S.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	2.148	38	40	47	rVB3	3982	6303	0.01%	0.004%
2	2.355	68	74	88	rVB	71049	168551	0.29%	0.094%
3	2.891	155	162	177	rBV	59979	173421	0.30%	0.097%
4	4.013	332	346	361	rBV2	124341	450719	0.77%	0.253%
5	4.403	401	410	418	rBV3	6949	21169	0.04%	0.012%
6	4.909	482	493	502	rBV5	14696	57032	0.10%	0.032%
7	5.312	555	559	561	rVB2	835	1074	0.00%	0.001%
8	5.769	632	634	636	rVV	1221	1288	0.00%	0.001%
9	5.927	653	660	669	rVV6	2107	7014	0.01%	0.004%
10	6.110	687	690	692	rVV	909	1223	0.00%	0.001%
11	6.226	705	709	713	rBV2	826	1758	0.00%	0.001%
12	6.909	818	821	827	rBV3	1293	2258	0.00%	0.001%
13	7.080	839	849	859	rBV	47212	134602	0.23%	0.075%
14	7.250	870	877	888	rBV	20169	52277	0.09%	0.029%
15	7.519	917	921	924	rBV4	1012	1580	0.00%	0.001%
16	7.641	930	941	952	rBV	284086	697322	1.19%	0.391%
17	8.067	1006	1011	1013	rVV3	934	1346	0.00%	0.001%
18	8.275	1034	1045	1062	rVV2	474315	1537773	2.63%	0.862%
19	8.403	1064	1066	1070	rVB4	969	1179	0.00%	0.001%
20	8.573	1090	1094	1095	rBV3	896	1222	0.00%	0.001%
21	8.683	1109	1112	1119	rBV5	1872	2655	0.00%	0.001%
22	8.842	1129	1138	1150	rBV	660439	1283849	2.20%	0.719%
23	9.085	1170	1178	1183	rBV10	3931	9454	0.02%	0.005%
24	9.274	1199	1209	1220	rBV	361035	734889	1.26%	0.412%
25	9.579	1256	1259	1262	rBV2	601	1161	0.00%	0.001%
26	9.677	1273	1275	1278	rVB2	1475	1207	0.00%	0.001%
27	9.756	1286	1288	1293	rVB3	1654	2298	0.00%	0.001%
28	9.884	1303	1309	1316	rVB8	3093	5959	0.01%	0.003%
29	9.945	1316	1319	1324	rBV4	991	1826	0.00%	0.001%
30	10.030	1326	1333	1342	rBV	178057	328299	0.56%	0.184%
31	10.207	1355	1362	1364	rBV5	2196	4480	0.01%	0.003%
32	10.244	1366	1368	1372	rVB4	1955	2476	0.00%	0.001%
33	10.323	1372	1381	1387	rBV	676911	1169764	2.00%	0.656%
34	10.384	1387	1391	1404	rVB	120170	236525	0.40%	0.133%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010220.D
 Acq On : 30 Apr 2019 14:52
 Operator : SY/VA
 Sample : K2604-07
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ81

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\SOM2WLM042919S.M
 Title : VOC Analysis

35	10.500	1406	1410	1416	rVB5	6625	11204	0.02%	0.006%
36	10.579	1416	1423	1433	rBV	124693	218803	0.37%	0.123%
37	10.707	1440	1444	1449	rBV	6221	9046	0.02%	0.005%
38	10.774	1453	1455	1461	rVB5	3313	4620	0.01%	0.003%
39	10.847	1463	1467	1468	rBV2	3339	3492	0.01%	0.002%
40	10.927	1473	1480	1489	rBV	214589	361119	0.62%	0.202%
41	11.073	1498	1504	1513	rVB8	7742	18088	0.03%	0.010%
42	11.231	1526	1530	1534	rVB4	4513	6638	0.01%	0.004%
43	11.274	1534	1537	1542	rVB5	3455	5500	0.01%	0.003%
44	11.341	1542	1548	1551	rBV7	3343	5299	0.01%	0.003%
45	11.402	1554	1558	1561	rBV3	3263	5784	0.01%	0.003%
46	11.512	1573	1576	1580	rBV5	2773	3985	0.01%	0.002%
47	11.555	1582	1583	1588	rVB3	2109	1606	0.00%	0.001%
48	11.634	1588	1596	1605	rBV	943182	1590111	2.72%	0.891%
49	11.731	1606	1612	1617	rVV	258948	406812	0.70%	0.228%
50	11.786	1617	1621	1623	rVV3	26454	40427	0.07%	0.023%
51	11.835	1623	1629	1641	rVB	1808902	3219046	5.51%	1.804%
52	12.176	1673	1685	1696	rBV2	3101858	5824380	9.96%	3.264%
53	12.304	1704	1706	1707	rBV2	2222	1902	0.00%	0.001%
54	12.341	1707	1712	1714	rBV5	11530	21585	0.04%	0.012%
55	12.469	1728	1733	1738	rBV	15459	24568	0.04%	0.014%
56	12.609	1751	1756	1761	rBV	31726	51991	0.09%	0.029%
57	12.695	1764	1770	1775	rBV	298436	482410	0.83%	0.270%
58	12.737	1775	1777	1782	rVB	54198	73358	0.13%	0.041%
59	12.804	1782	1788	1793	rVB	89890	138564	0.24%	0.078%
60	12.871	1793	1799	1802	rBV	361080	631720	1.08%	0.354%
61	12.945	1807	1811	1818	rVB	557764	865716	1.48%	0.485%
62	13.121	1830	1840	1846	rBV2	376626	732897	1.25%	0.411%
63	13.255	1852	1862	1865	rBV	1750685	2919434	4.99%	1.636%
64	13.304	1865	1870	1874	rVV	2992598	4582547	7.84%	2.568%
65	13.353	1874	1878	1889	rVB	1146482	1723420	2.95%	0.966%
66	13.444	1889	1893	1897	rBV2	28906	48528	0.08%	0.027%
67	13.560	1906	1912	1915	rBV	999834	1746683	2.99%	0.979%
68	13.627	1920	1923	1931	rVB	478984	723555	1.24%	0.405%
69	13.719	1932	1938	1940	rBV3	70181	125667	0.21%	0.070%
70	13.761	1940	1945	1948	rBV2	368677	598484	1.02%	0.335%
71	13.853	1955	1960	1968	rVB	728950	1282131	2.19%	0.718%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010220.D
 Acq On : 30 Apr 2019 14:52
 Operator : SY/VA
 Sample : K2604-07
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ81

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\SOM2WLM042919S.M
 Title : VOC Analysis

72	13.938	1968	1974	1982	rVB	7658804	12421251	21.25%	6.961%
73	14.017	1982	1987	1988	rBV	91988	133527	0.23%	0.075%
74	14.066	1988	1995	1998	rVV3	177171	391939	0.67%	0.220%
75	14.097	1998	2000	2004	rVB	164099	197257	0.34%	0.111%
76	14.146	2004	2008	2014	rVB	245274	480663	0.82%	0.269%
77	14.237	2014	2023	2028	rBV	1055624	1679376	2.87%	0.941%
78	14.292	2028	2032	2036	rVB	246647	357013	0.61%	0.200%
79	14.341	2036	2040	2044	rVB	72338	108133	0.18%	0.061%
80	14.420	2044	2053	2056	rBV	197644	387861	0.66%	0.217%
81	14.469	2056	2061	2065	rBV2	649519	1090480	1.87%	0.611%
82	14.560	2071	2076	2080	rBV	791599	1203149	2.06%	0.674%
83	14.603	2080	2083	2088	rVB2	146318	203814	0.35%	0.114%
84	14.694	2093	2098	2101	rBV	178339	295254	0.51%	0.165%
85	14.731	2101	2104	2109	rVB3	171416	250752	0.43%	0.141%
86	14.798	2109	2115	2122	rBV2	664629	1349845	2.31%	0.756%
87	14.877	2122	2128	2135	rVB	2578981	4105821	7.02%	2.301%
88	14.956	2135	2141	2149	rVB	2480668	4194132	7.17%	2.350%
89	15.060	2150	2158	2164	rBV2	423105	943809	1.61%	0.529%
90	15.182	2173	2178	2184	rBV3	178312	436880	0.75%	0.245%
91	15.371	2202	2209	2218	rVB2	30407923	58465096	100.00%	32.763%
92	15.475	2220	2226	2231	rBV	360380	659564	1.13%	0.370%
93	15.560	2237	2240	2250	rVB4	222895	382726	0.65%	0.214%
94	15.664	2251	2257	2260	rBV3	180480	373871	0.64%	0.210%
95	15.804	2276	2280	2283	rBV3	189507	341880	0.58%	0.192%
96	15.853	2285	2288	2293	rVB	277675	487450	0.83%	0.273%
97	15.974	2301	2308	2312	rBV3	340934	846943	1.45%	0.475%
98	16.176	2335	2341	2347	rBV3	176113	490609	0.84%	0.275%
99	16.450	2378	2386	2400	rVB	15554648	33149097	56.70%	18.577%
100	16.651	2411	2419	2429	rVB	7780619	17402767	29.77%	9.752%

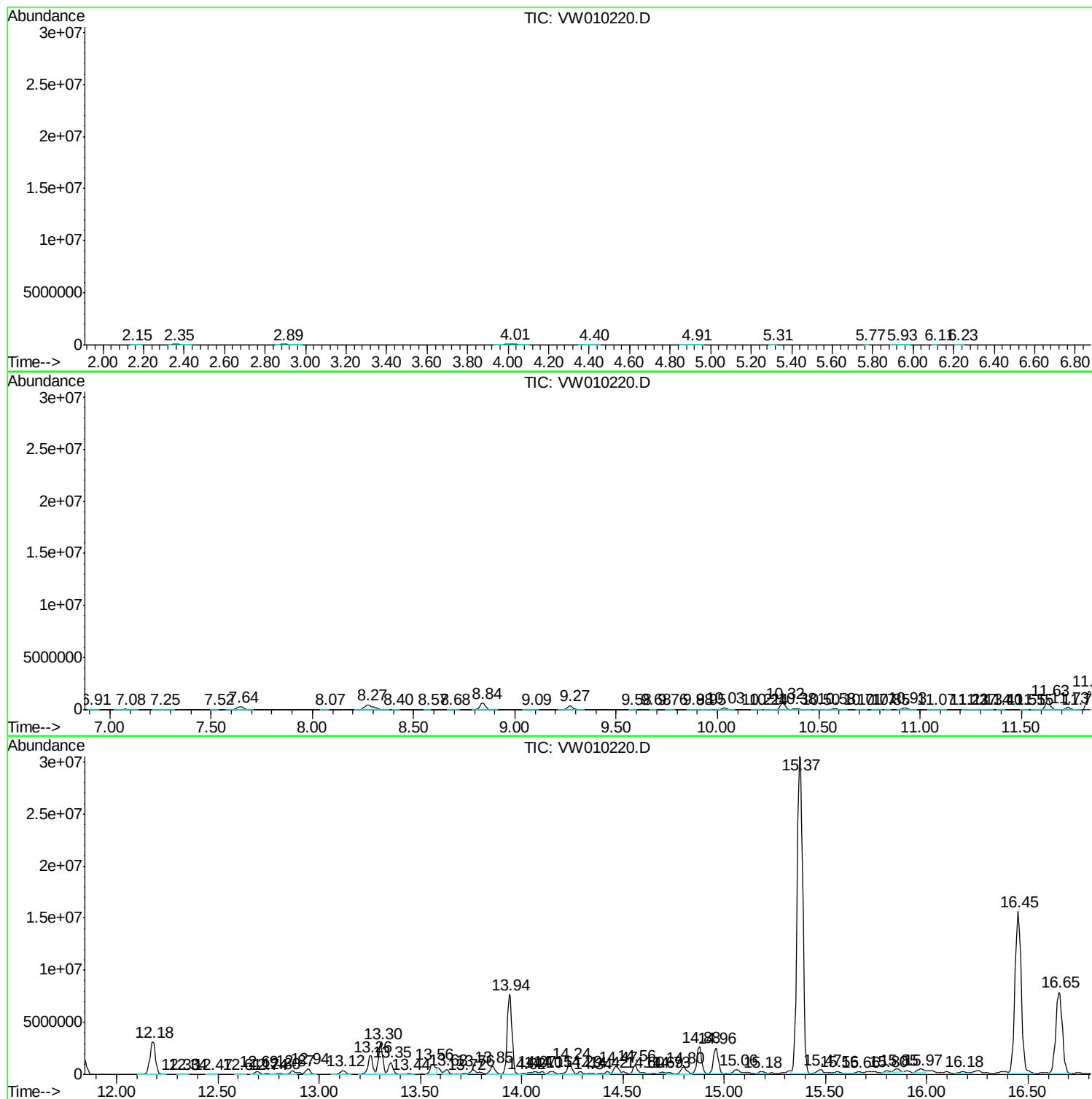
Sum of corrected areas: 178446032

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

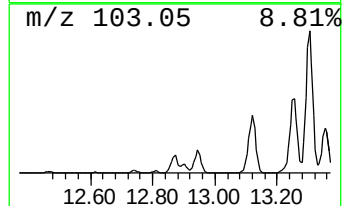
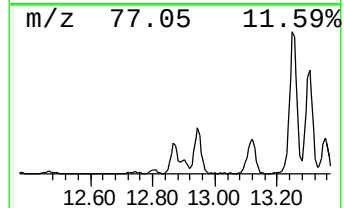
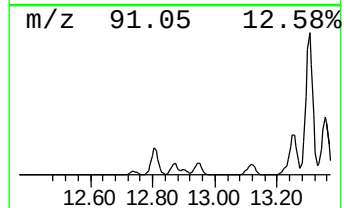
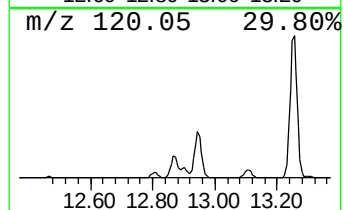
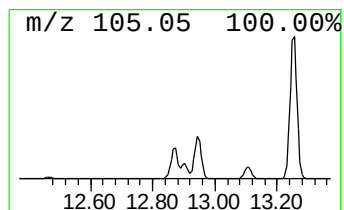
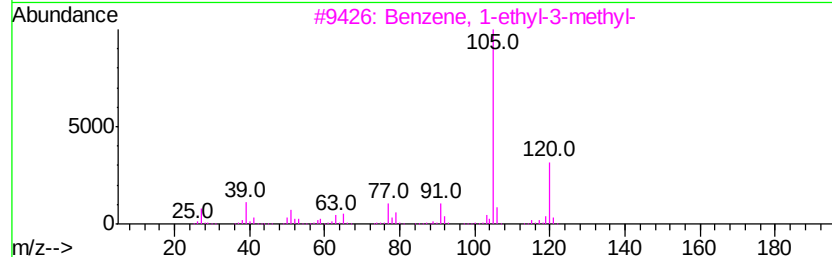
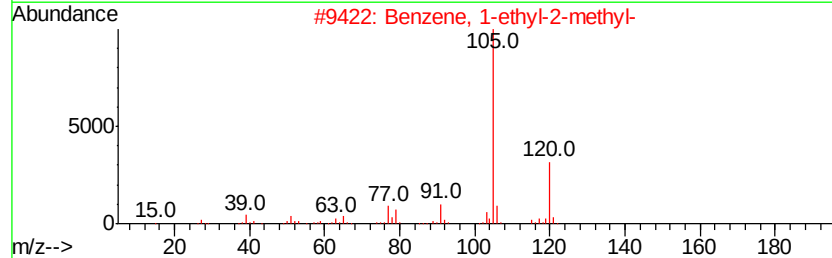
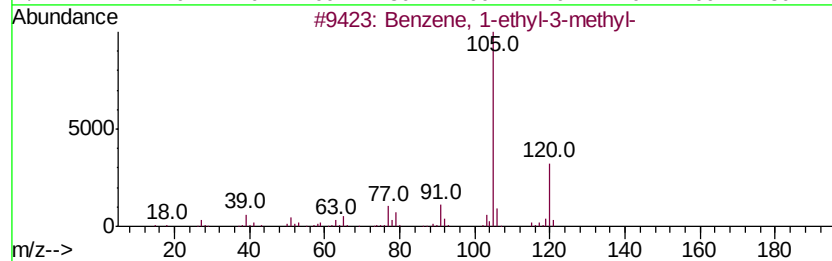
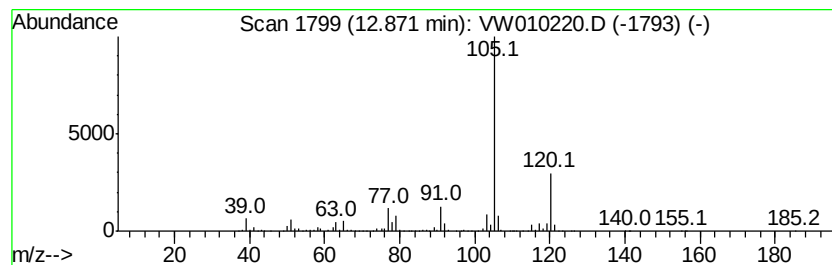
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	9.04 ug/L	631720	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	97
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

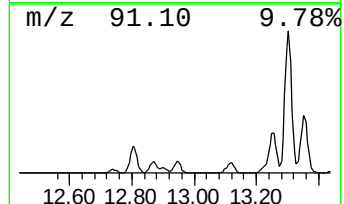
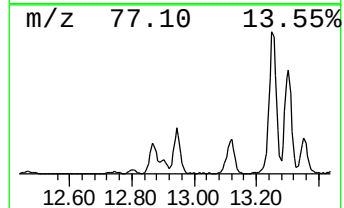
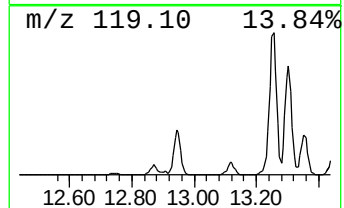
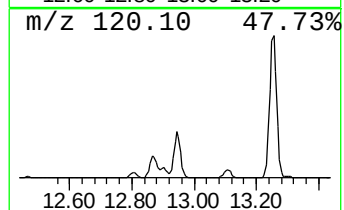
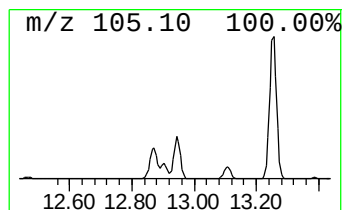
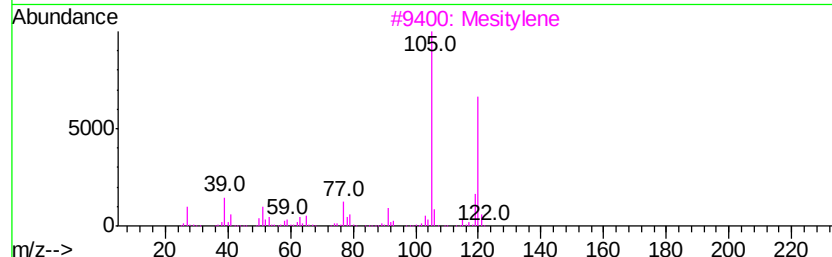
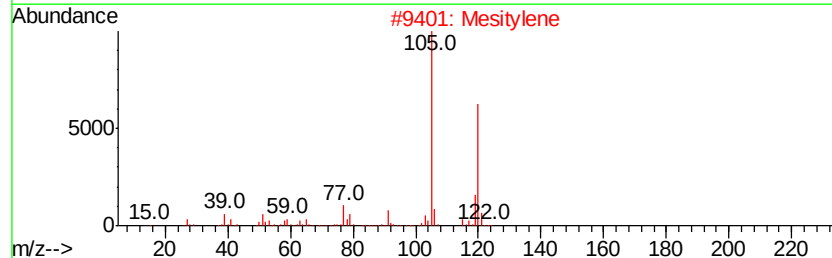
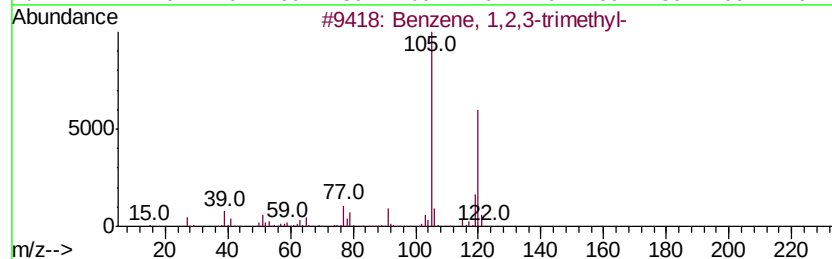
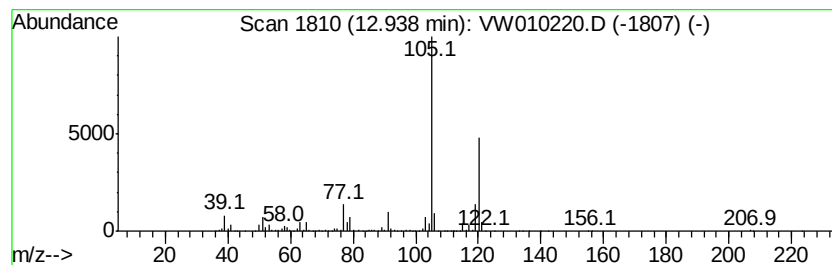
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	12.39 ug/L	865716	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Mesitylene	120	C9H12	000108-67-8	94
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Mesitylene	120	C9H12	000108-67-8	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

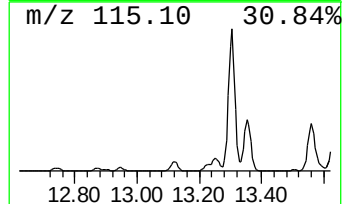
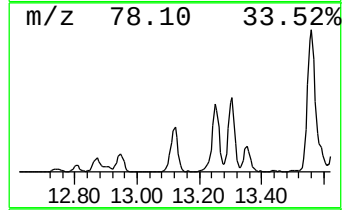
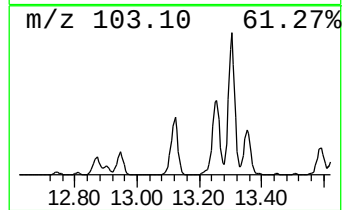
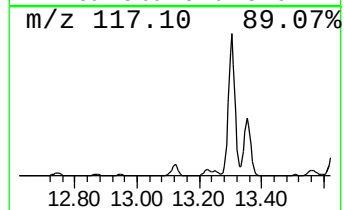
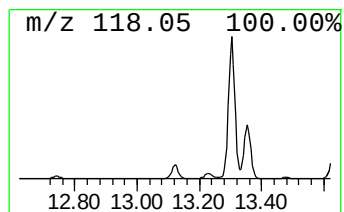
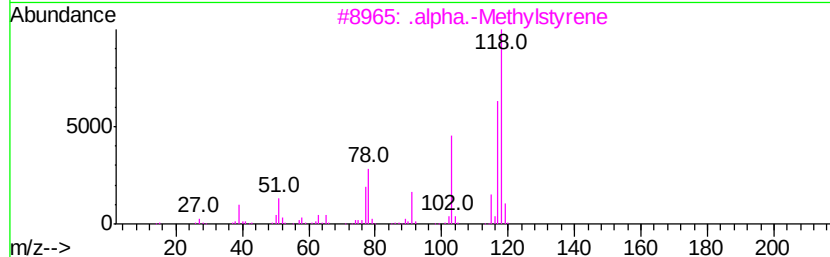
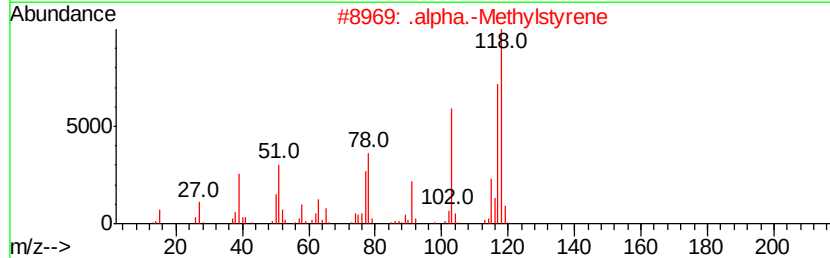
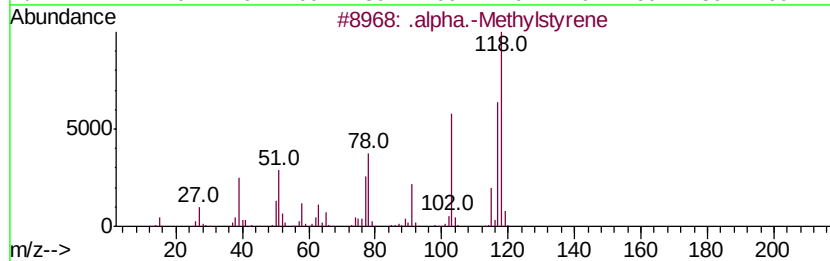
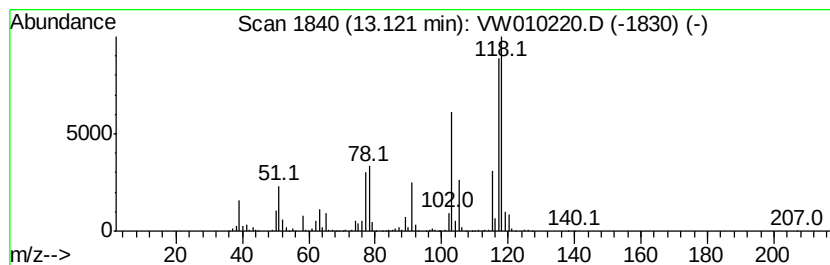
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 5 .alpha.-Methylstyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	10.49 ug/L	732897	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
2		.alpha.-Methylstyrene	118	C9H10	000098-83-9	89
3		.alpha.-Methylstyrene	118	C9H10	000098-83-9	70
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	53
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

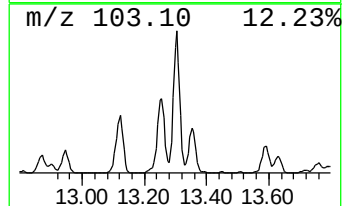
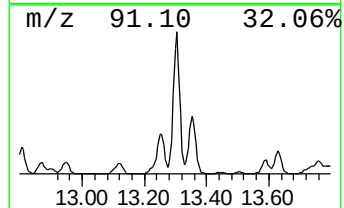
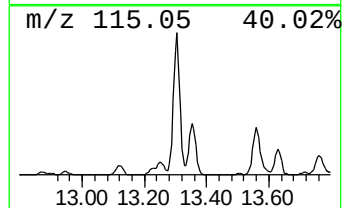
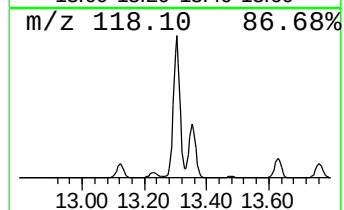
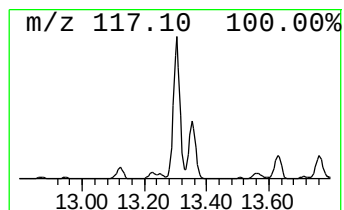
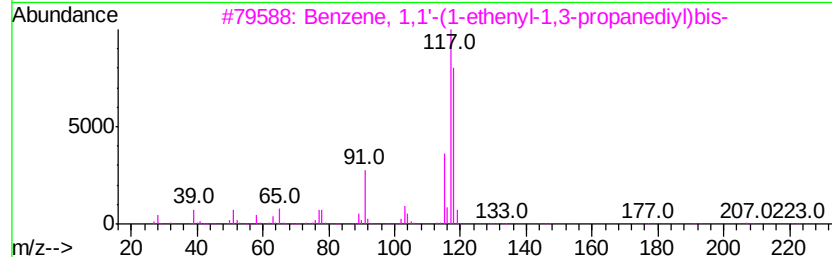
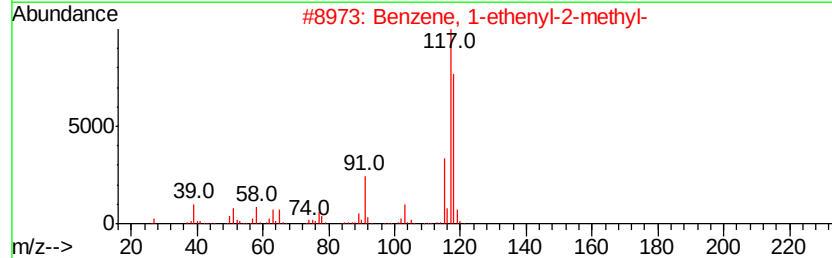
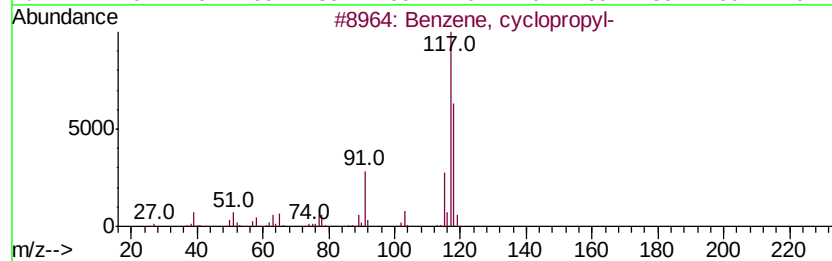
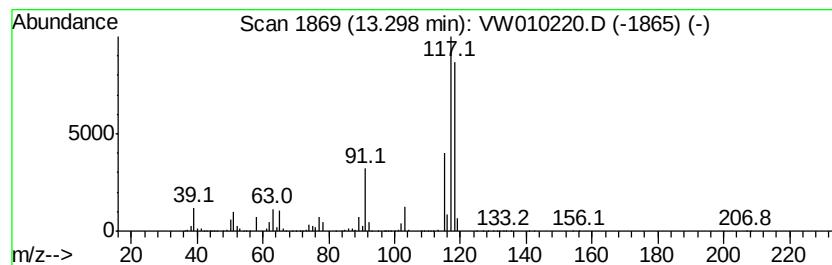
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	65.59 ug/L	4582550	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	94
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91
4		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90
5		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

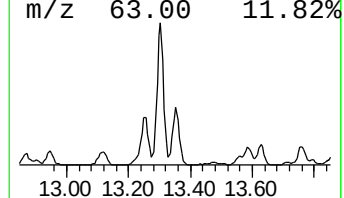
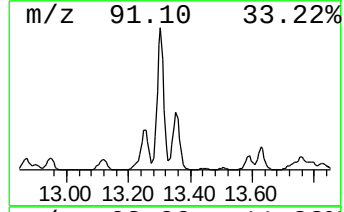
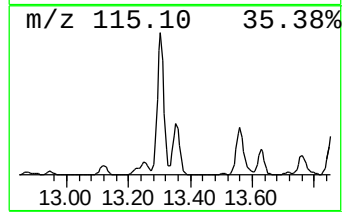
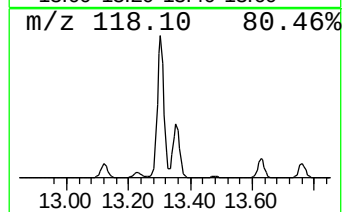
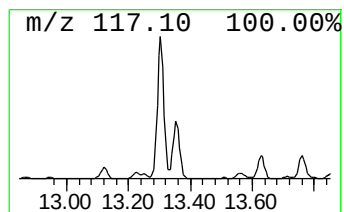
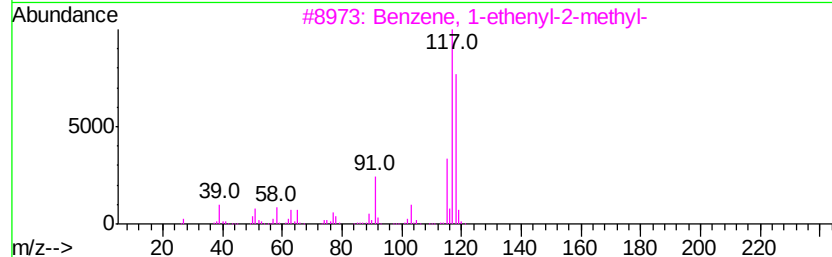
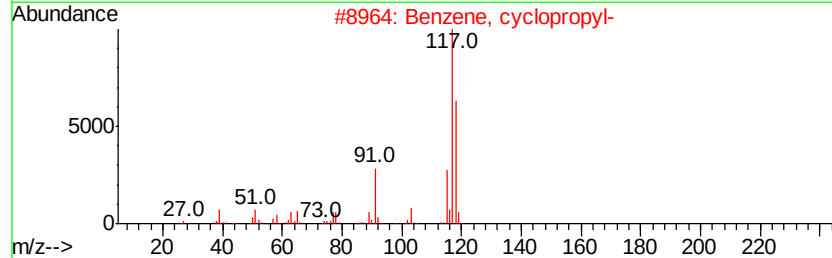
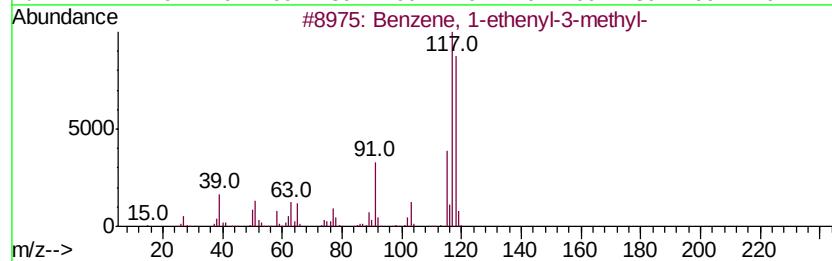
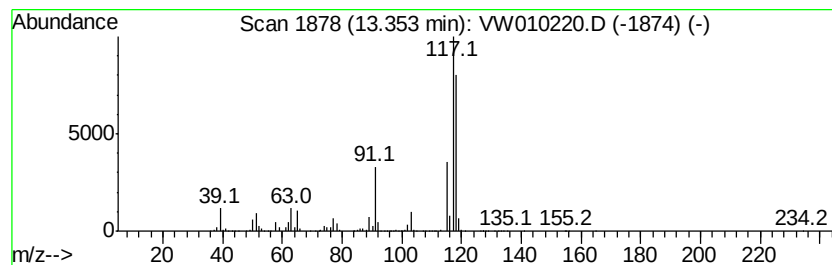
Instrument :
MSVOA_W
ClientSampleId :
GAJ81

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.35	24.67 ug/L	1723420	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

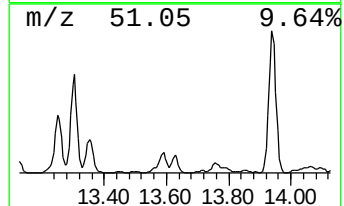
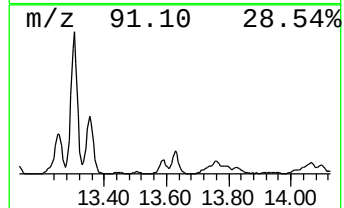
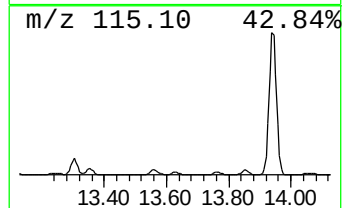
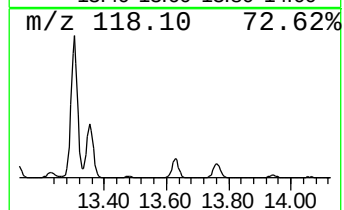
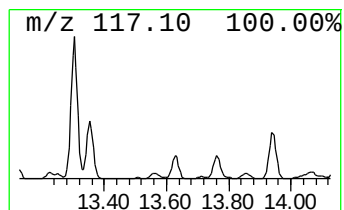
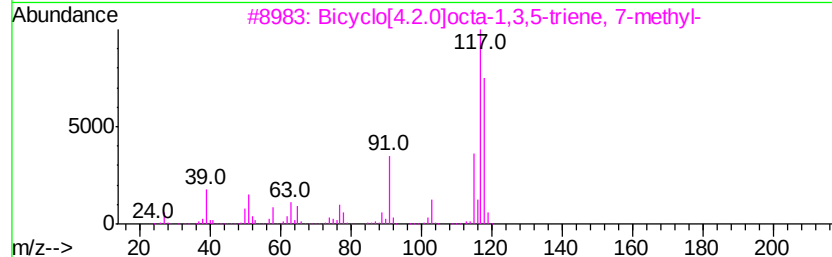
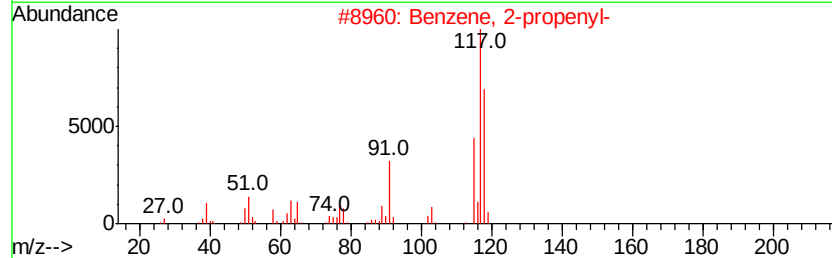
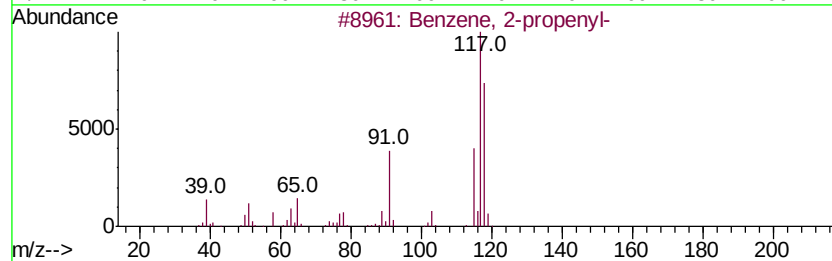
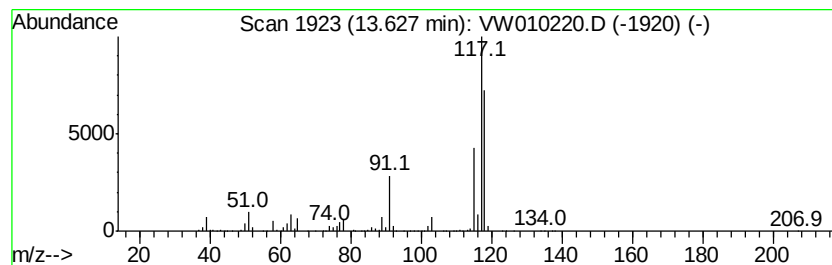
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 2-propenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	10.36 ug/L	723555	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	89
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	89
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	76
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5		Indane	118	C9H10	000496-11-7	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

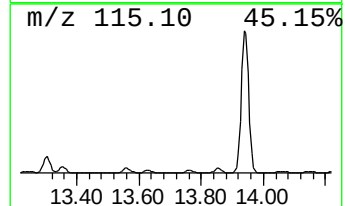
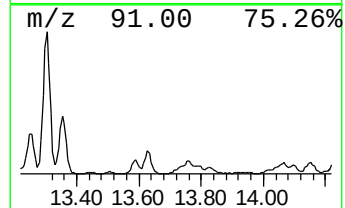
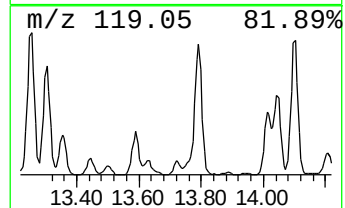
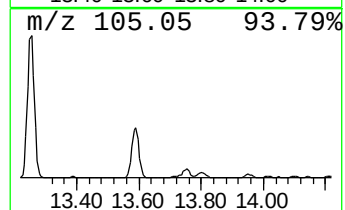
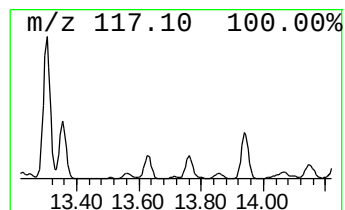
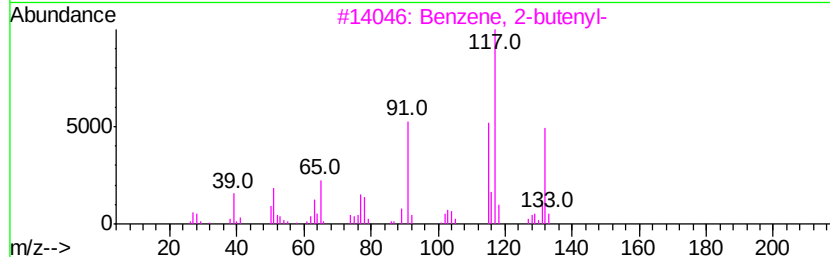
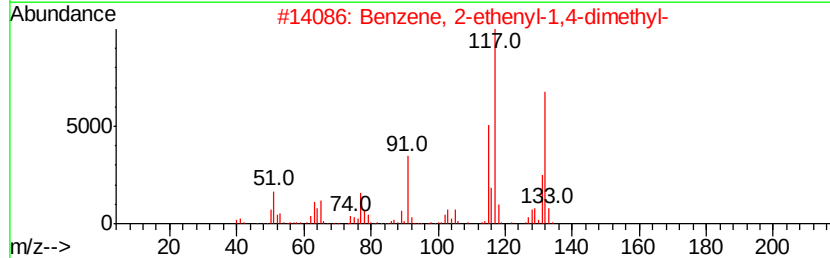
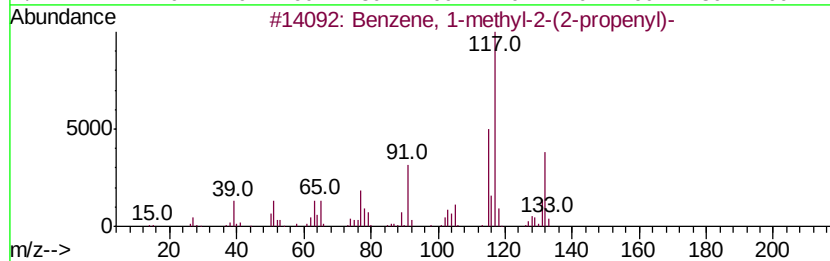
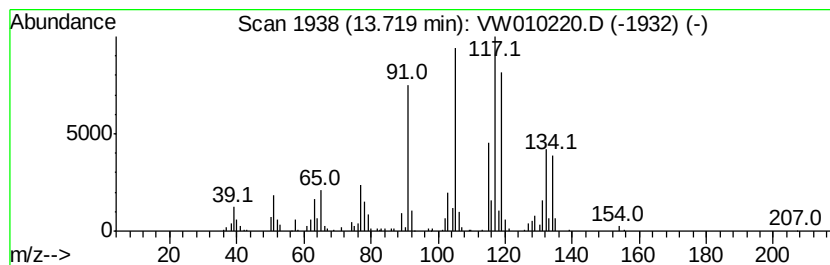
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	1.80 ug/L	125667	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
5		2,4-Dimethylstyrene	132	C10H12	002234-20-0	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

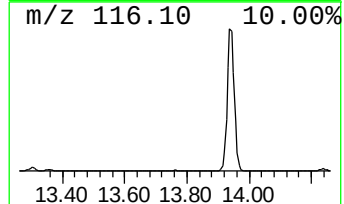
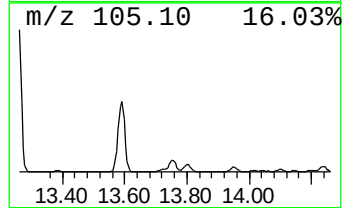
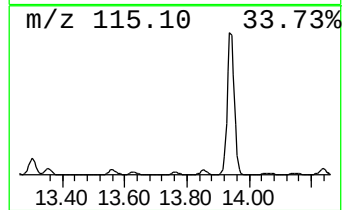
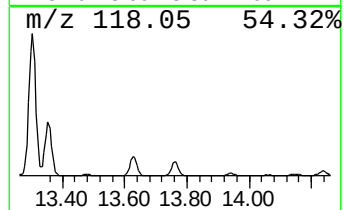
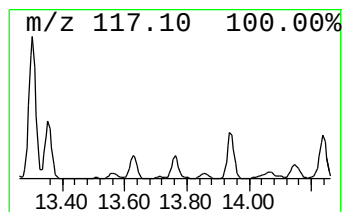
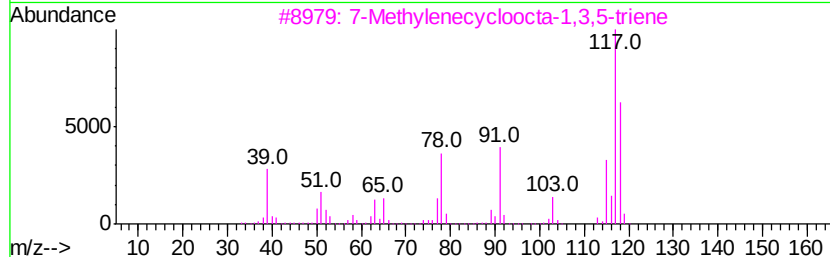
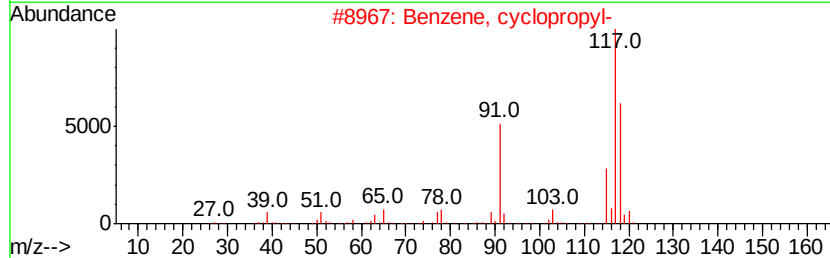
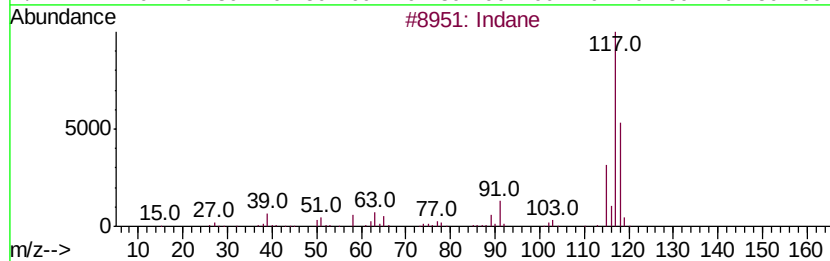
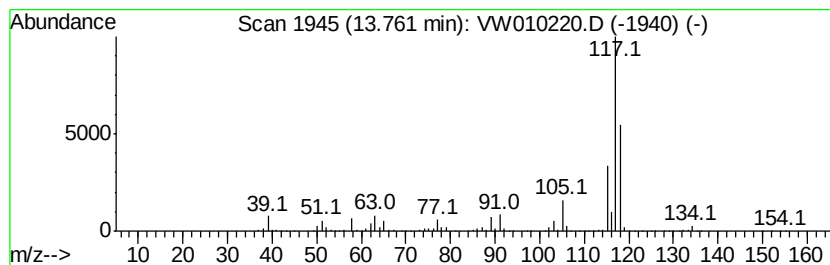
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 11 Indane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.57 ug/L	598484	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	74
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3		7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	64
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

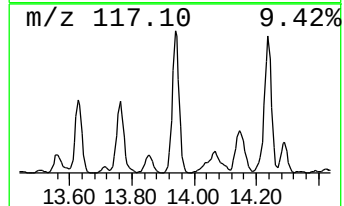
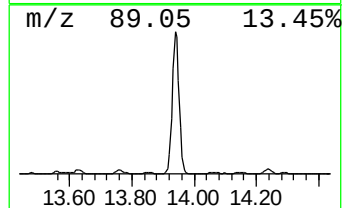
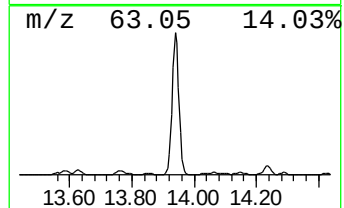
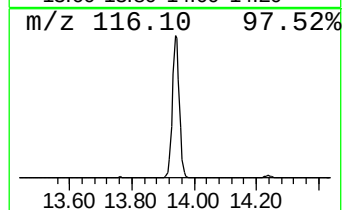
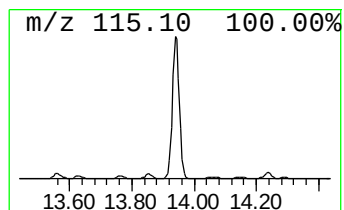
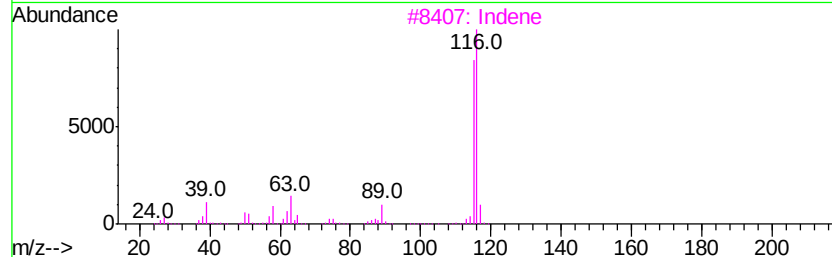
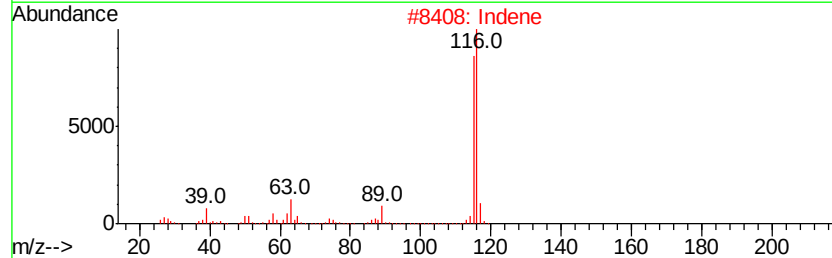
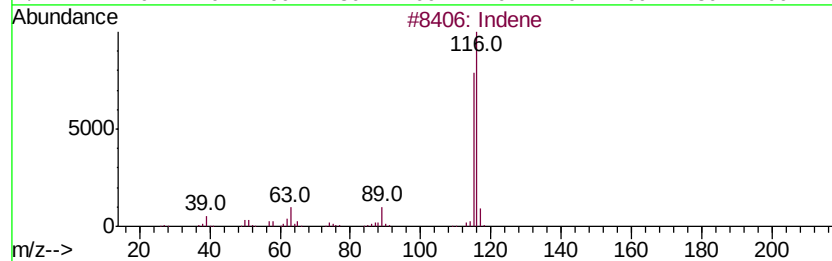
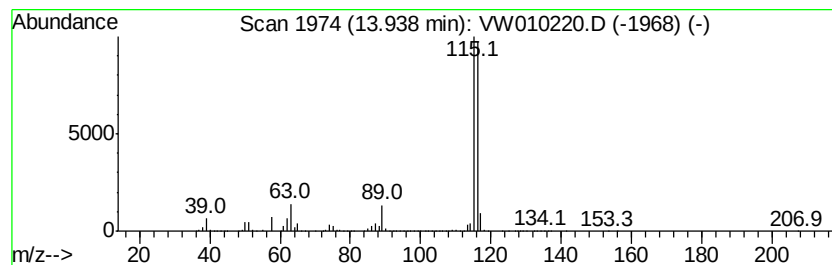
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 12 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	177.78 ug/L	12421300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	97
3		Indene	116	C9H8	000095-13-6	94
4		3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

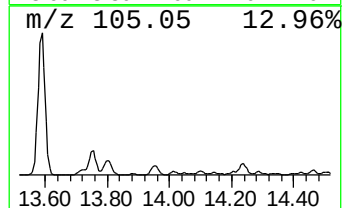
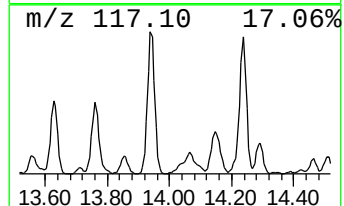
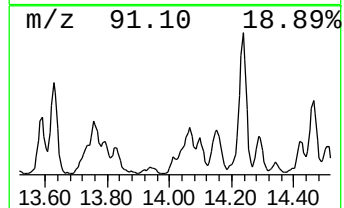
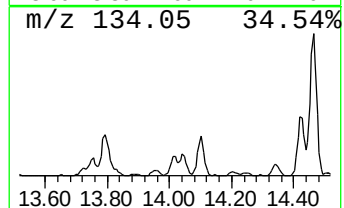
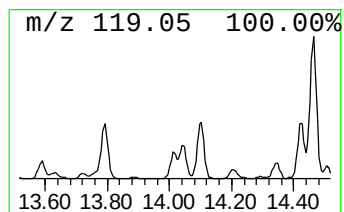
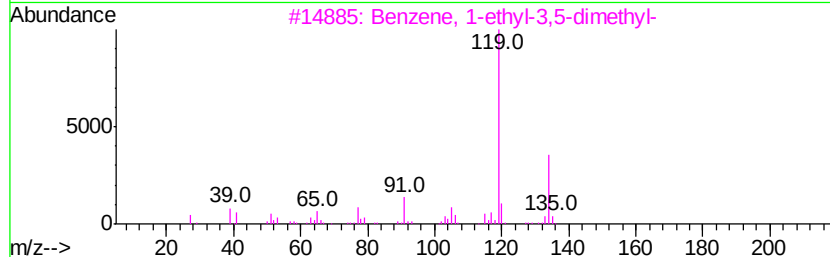
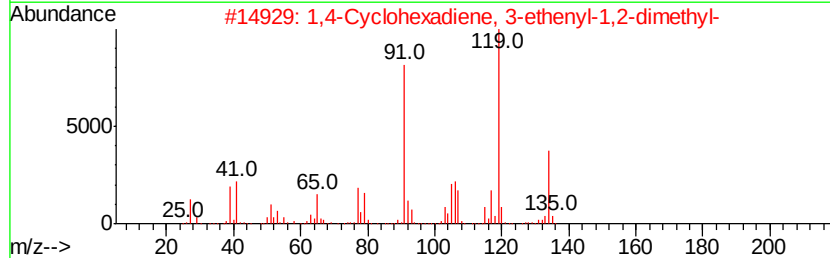
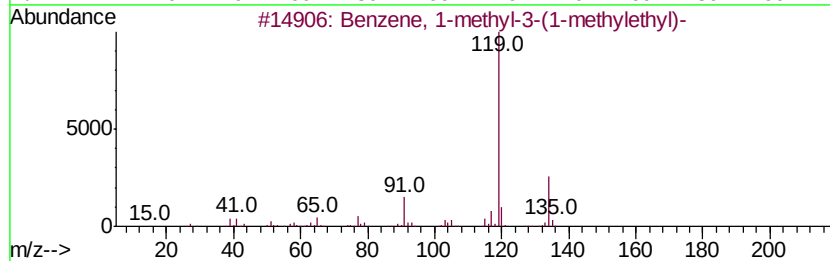
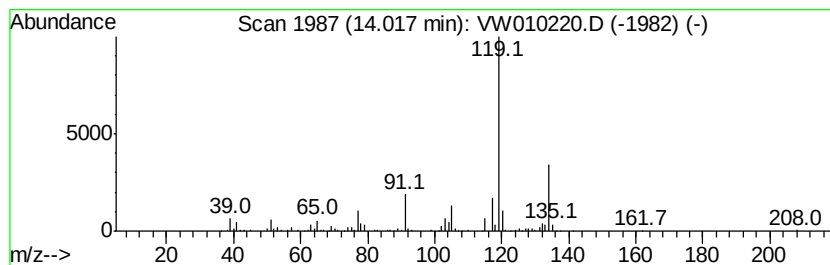
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-methyl-3-(1-meth... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	1.91 ug/L	133527	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	93
2		1,4-Cyclohexadiene, 3-ethenyl-1,2-dimethyl-	134	C10H14	062338-57-2	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

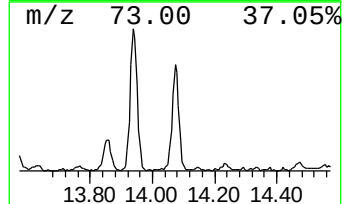
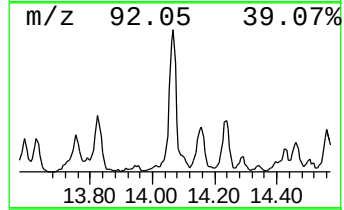
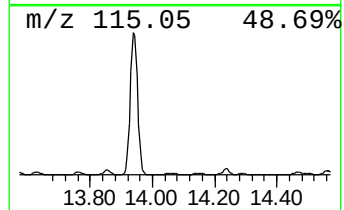
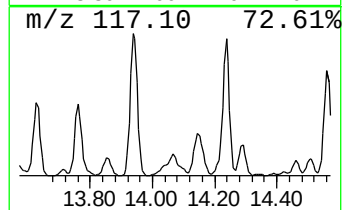
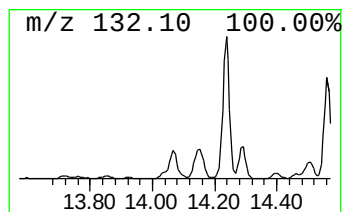
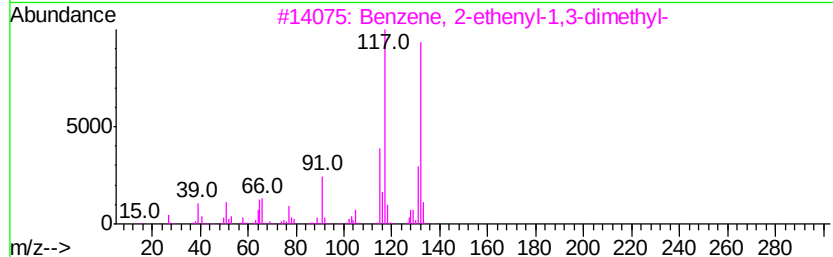
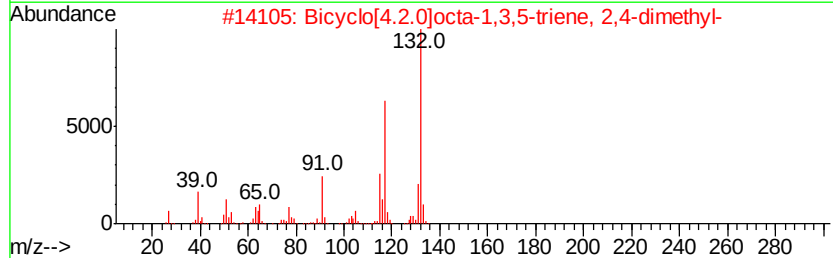
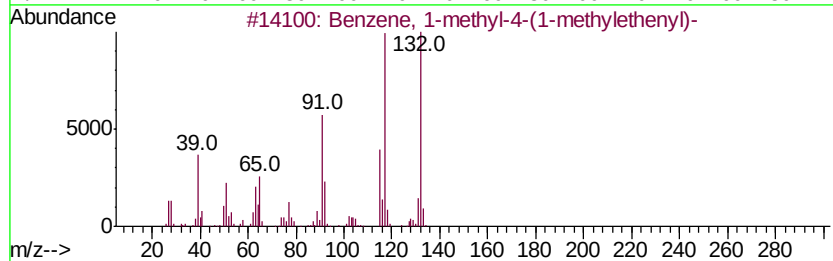
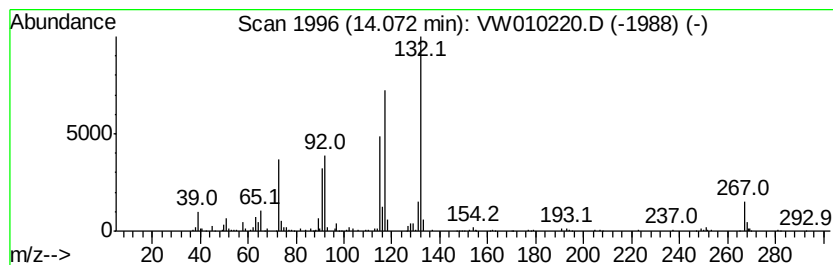
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-methyl-4-(1-meth... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	5.61 ug/L	391939	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	70
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	70
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	52
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	52
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

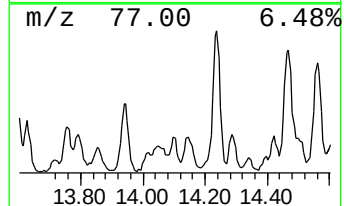
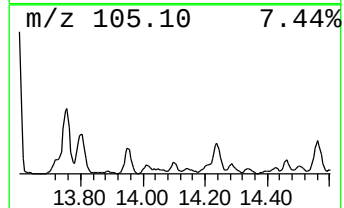
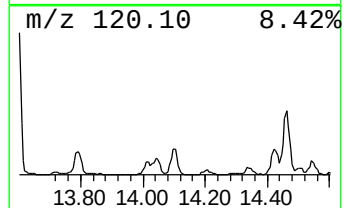
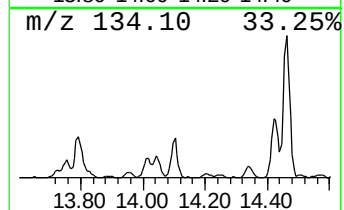
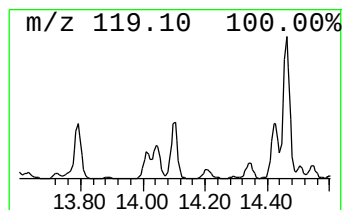
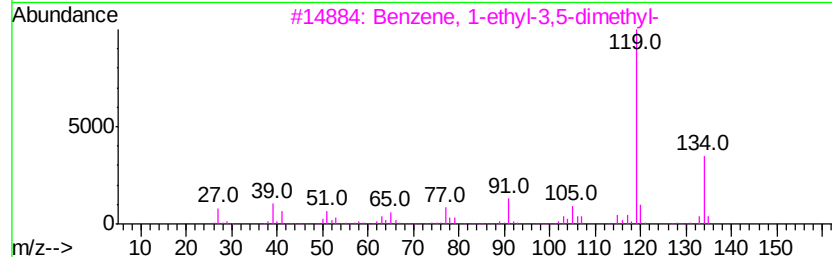
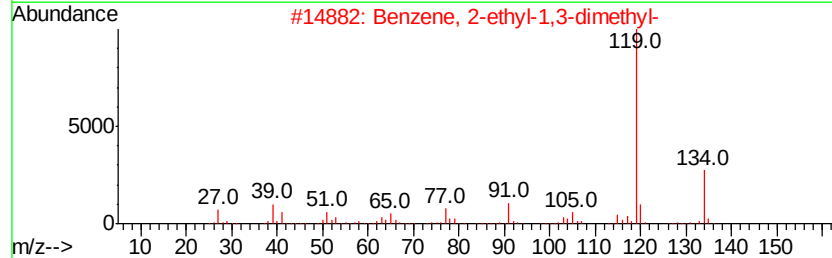
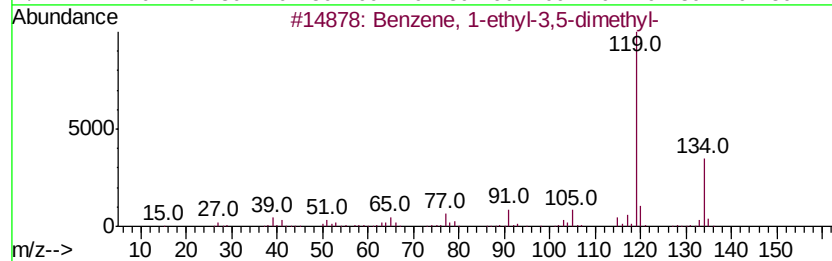
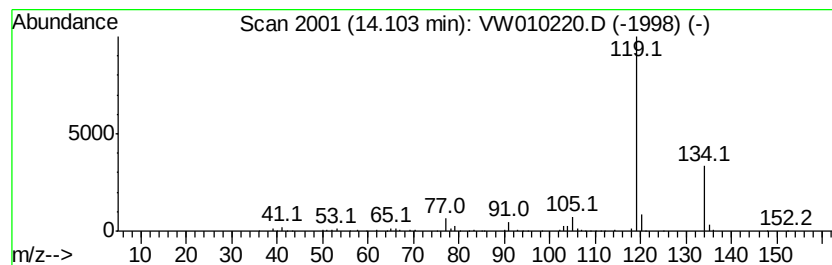
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.82 ug/L	197257	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	86
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

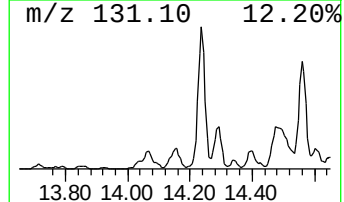
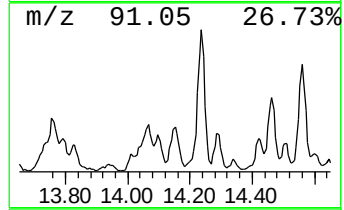
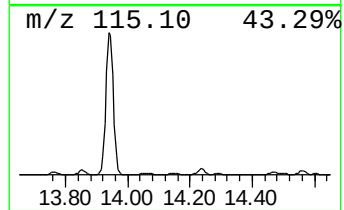
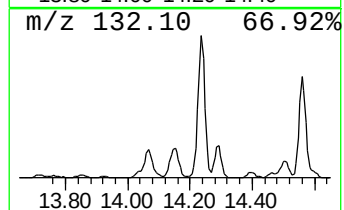
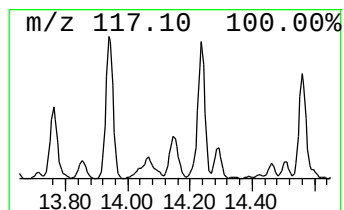
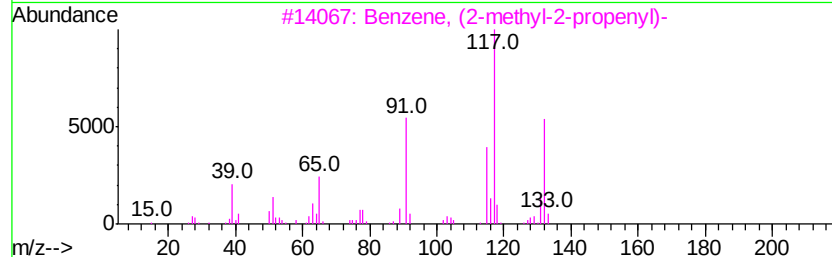
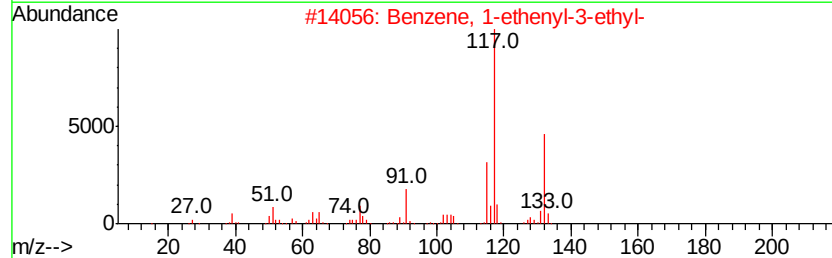
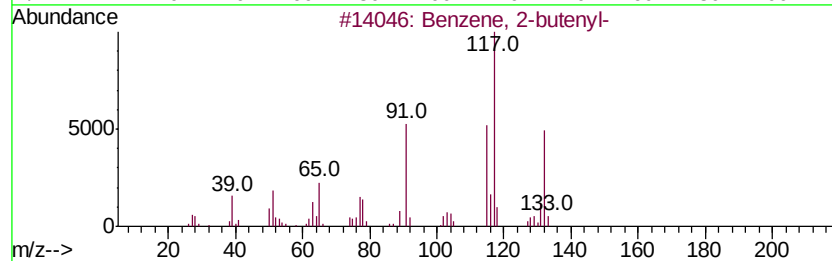
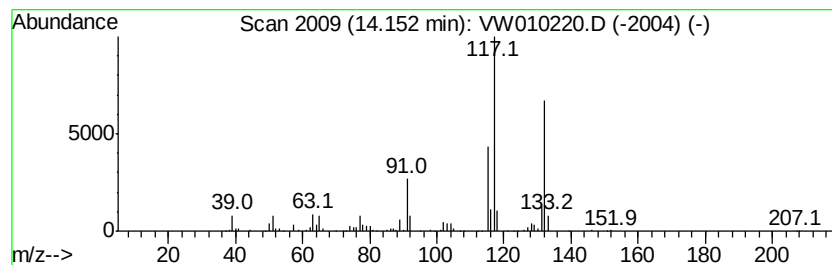
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 2-butenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	6.88 ug/L	480663	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
4		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	91
5		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

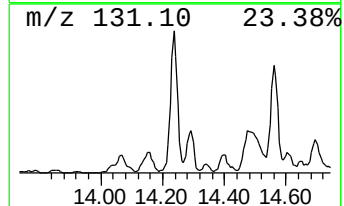
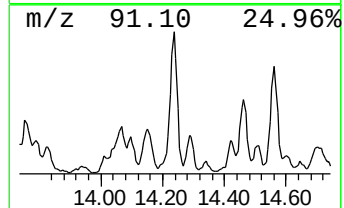
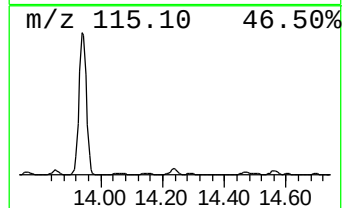
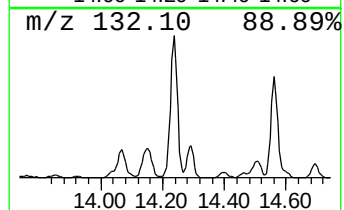
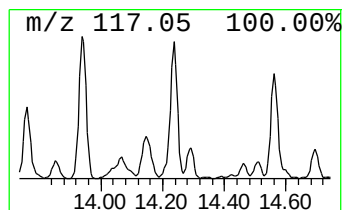
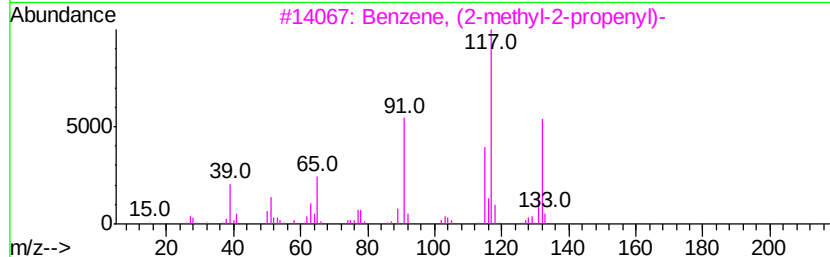
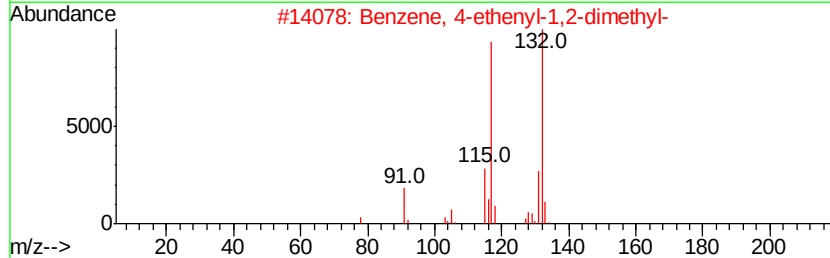
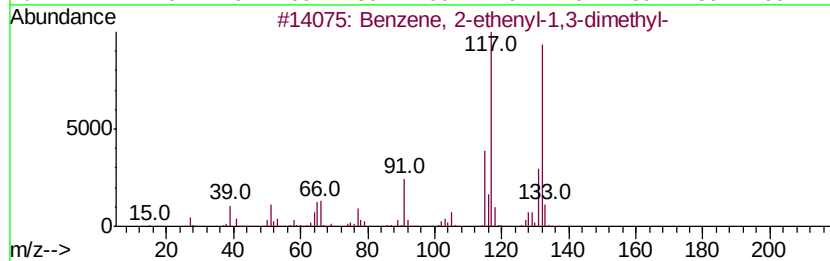
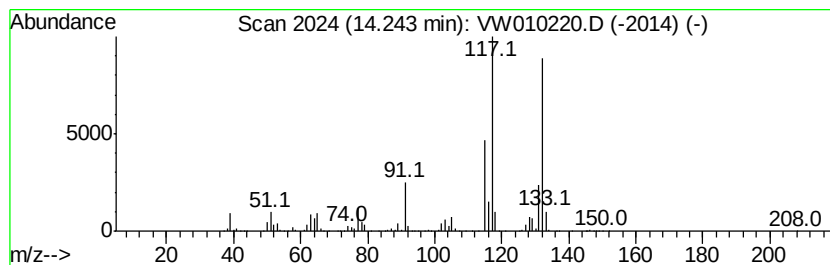
Instrument :
MSVOA_W
ClientSampleId :
GAJ81

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	24.04 ug/L	1679380	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethenyl-1,3-dimethyl-	132 C10H12	002039-90-9 96
2		Benzene, 4-ethenyl-1,2-dimethyl-	132 C10H12	027831-13-6 95
3		Benzene, (2-methyl-2-propenyl)-	132 C10H12	003290-53-7 95
4		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 95
5		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAJ81

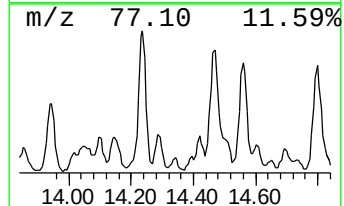
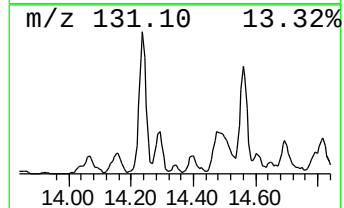
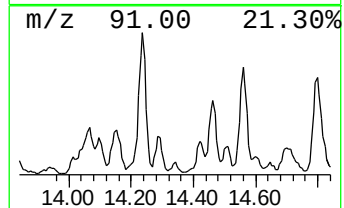
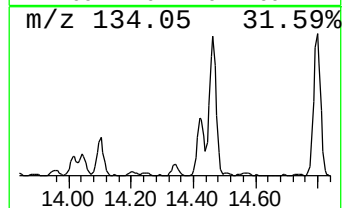
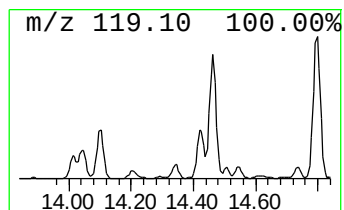
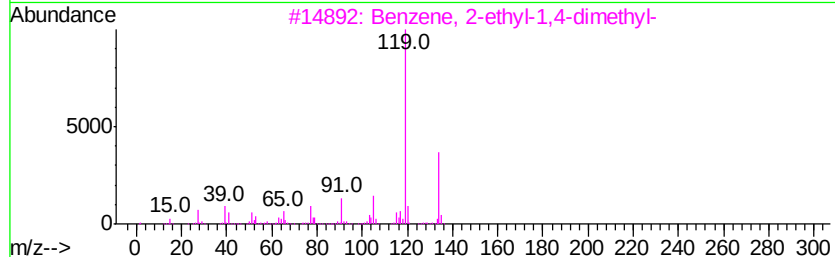
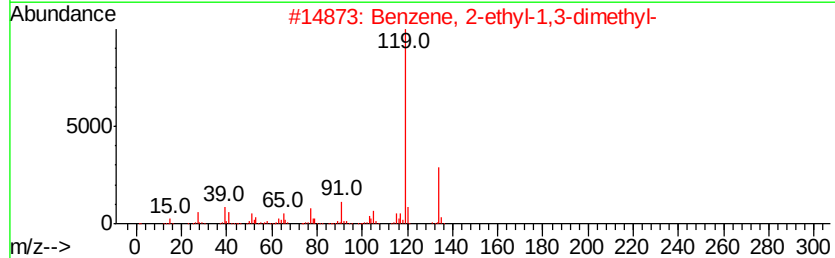
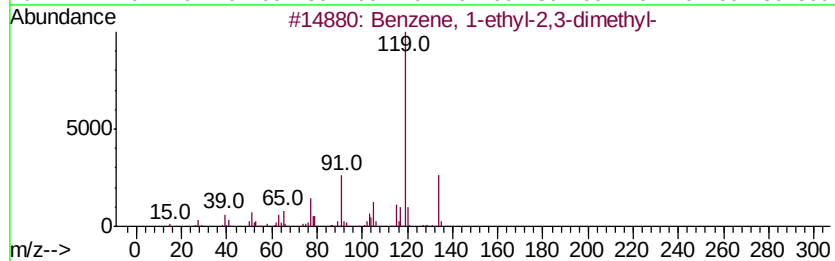
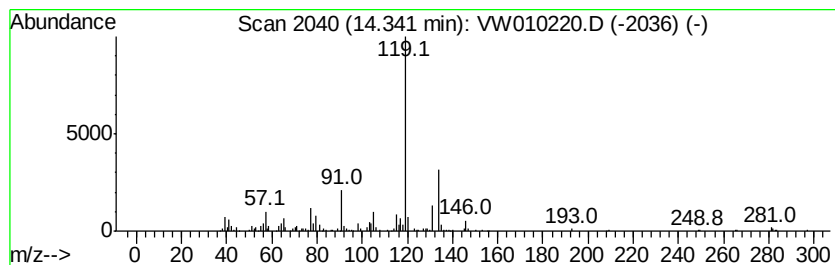
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	1.55 ug/L	108133	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAJ81

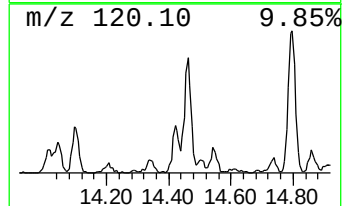
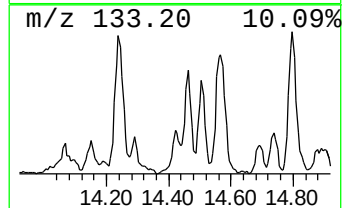
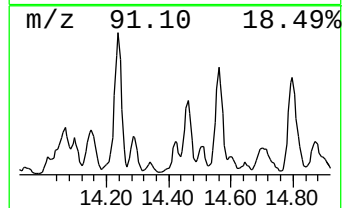
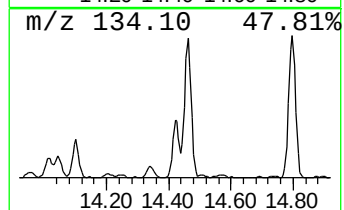
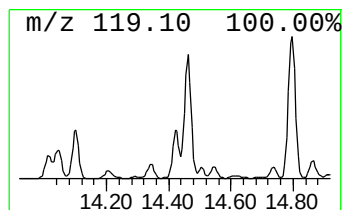
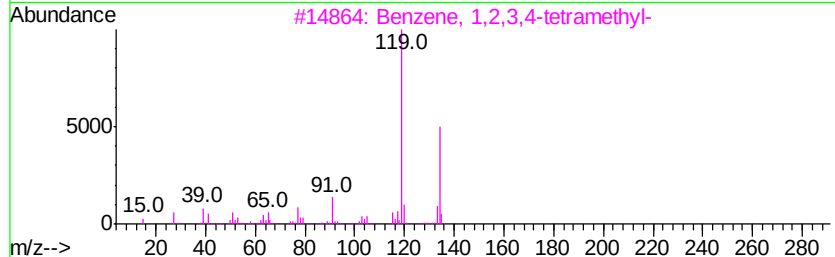
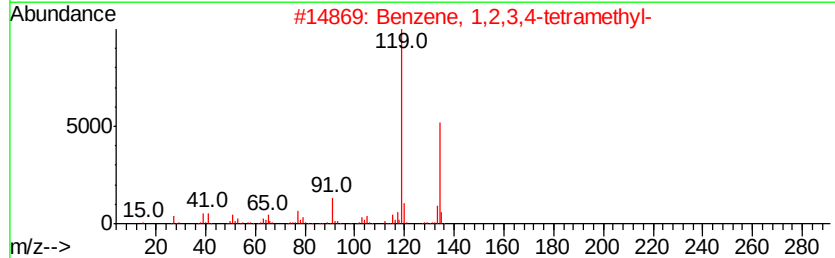
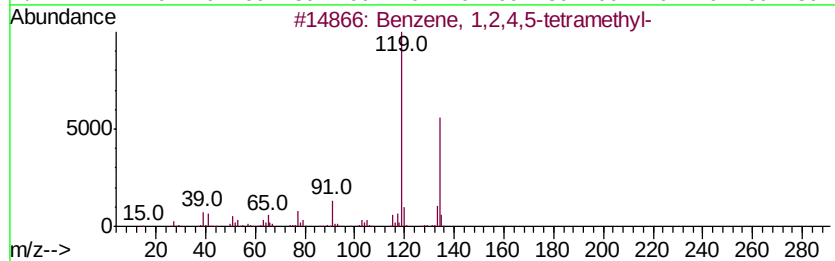
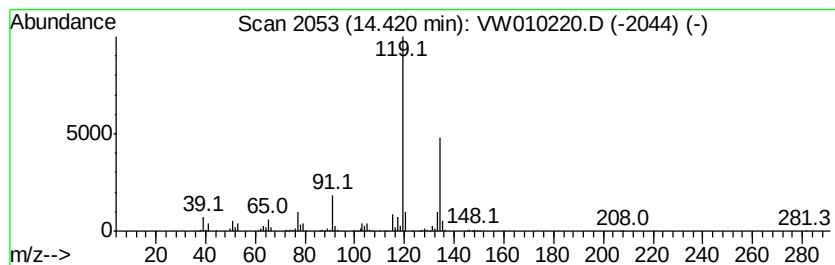
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	5.55 ug/L	387861	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

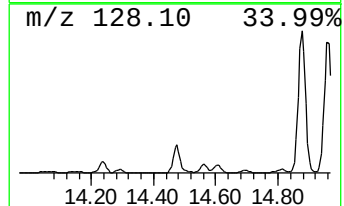
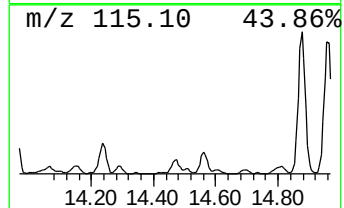
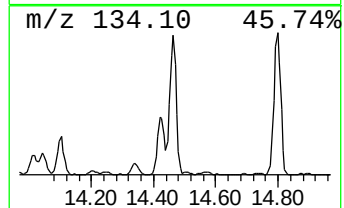
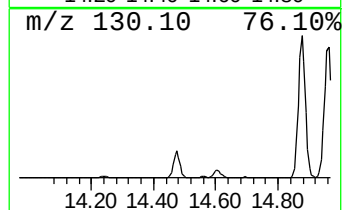
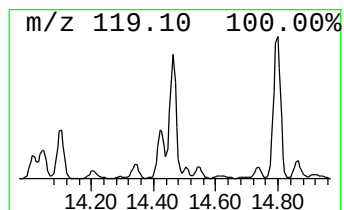
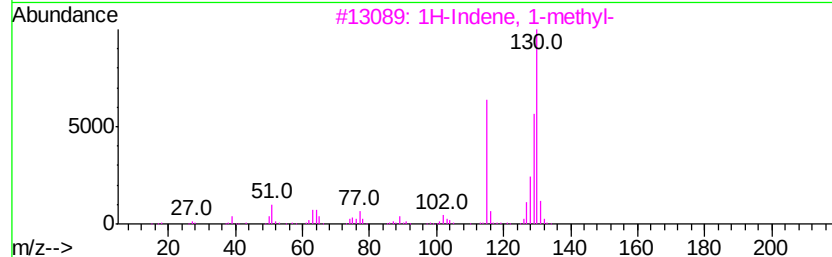
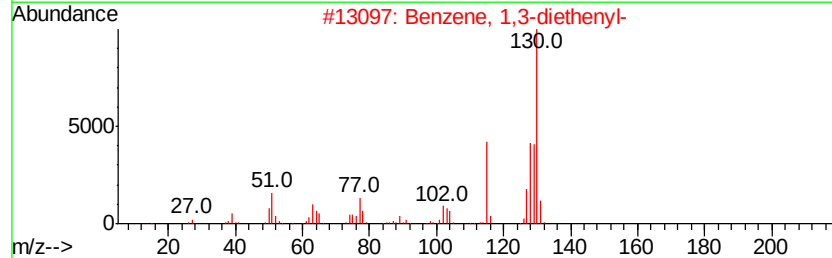
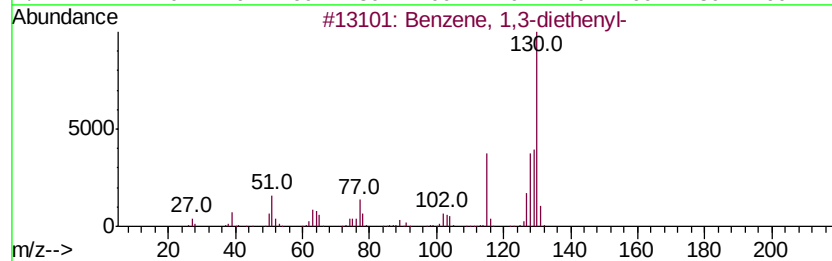
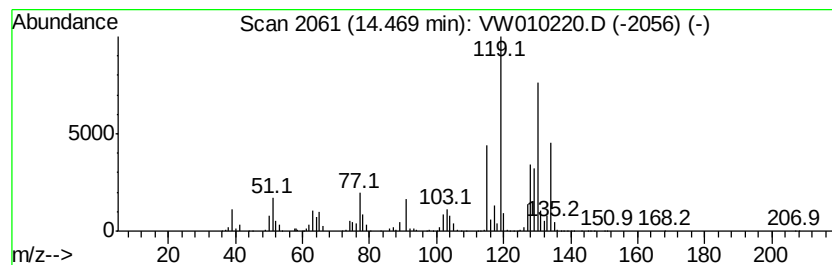
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,3-diethenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	15.61 ug/L	1090480	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	87
2		Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	83
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	50
4		2-Methylindene	130	C10H10	002177-47-1	50
5		Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

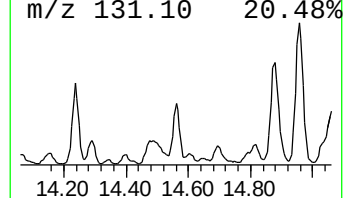
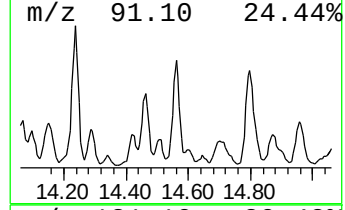
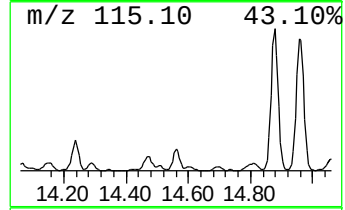
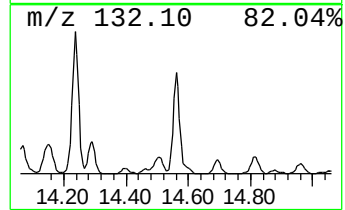
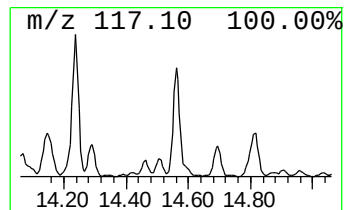
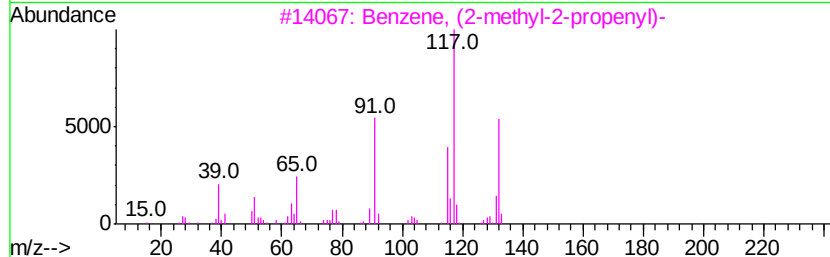
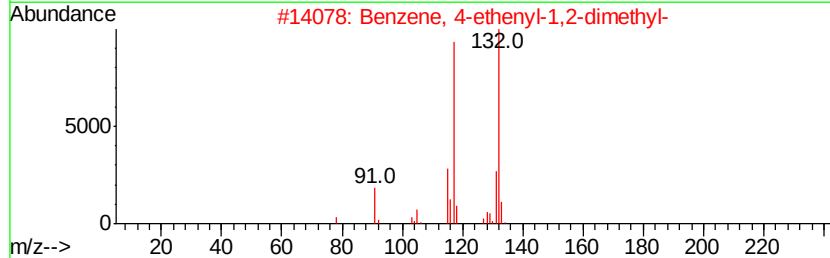
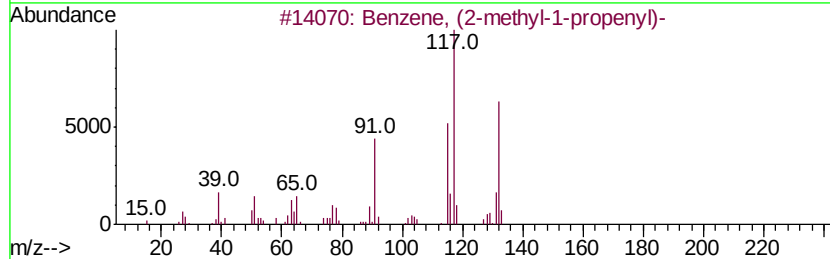
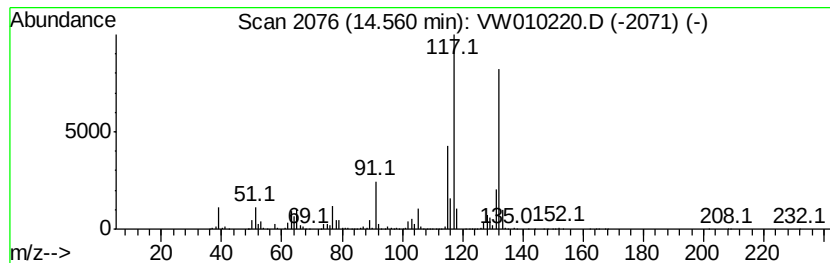
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 22 Benzene, (2-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	17.22 ug/L	1203150	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

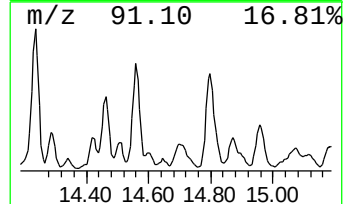
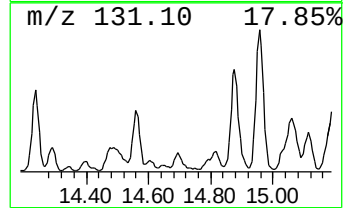
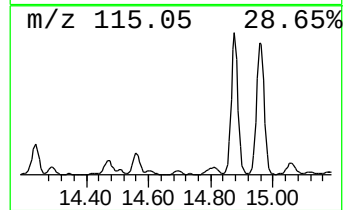
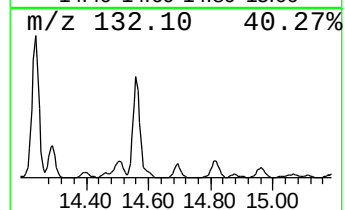
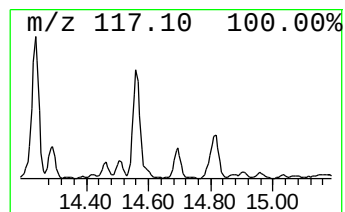
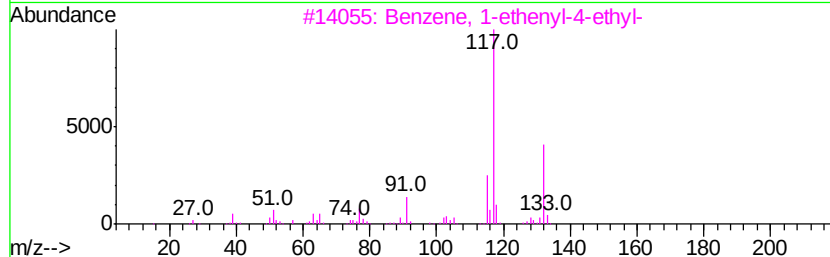
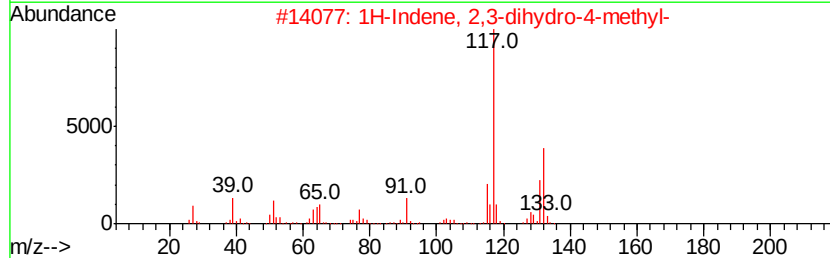
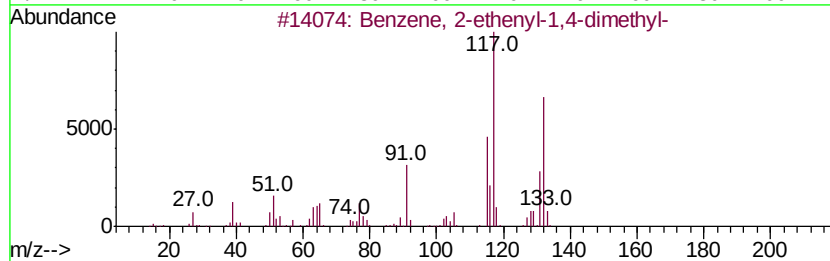
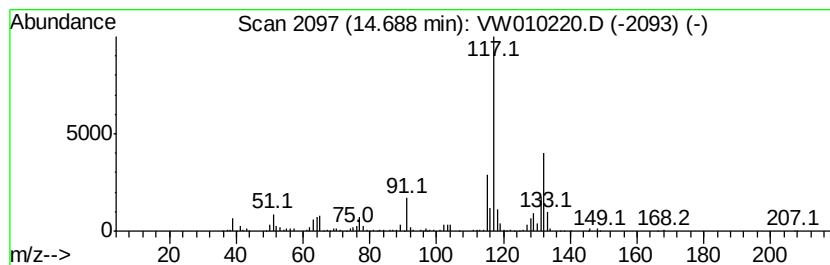
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.23 ug/L	295254	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	86
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	80
5		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

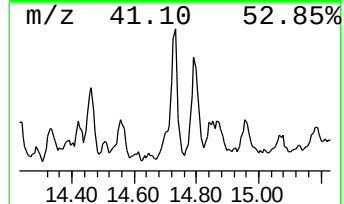
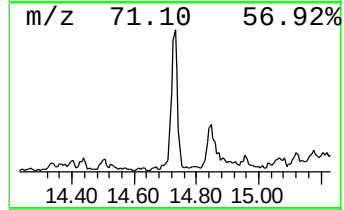
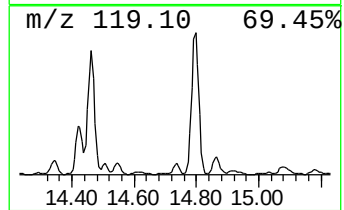
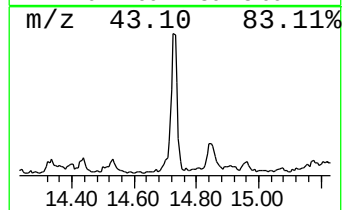
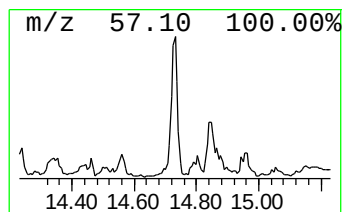
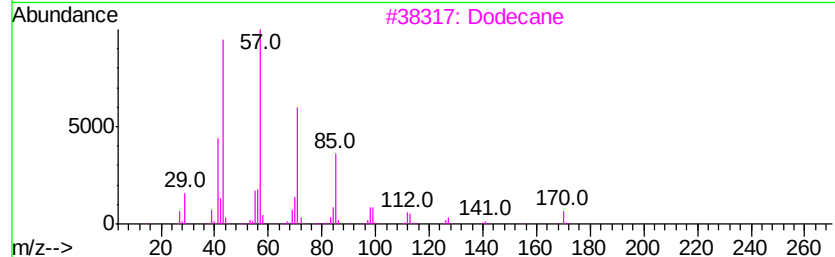
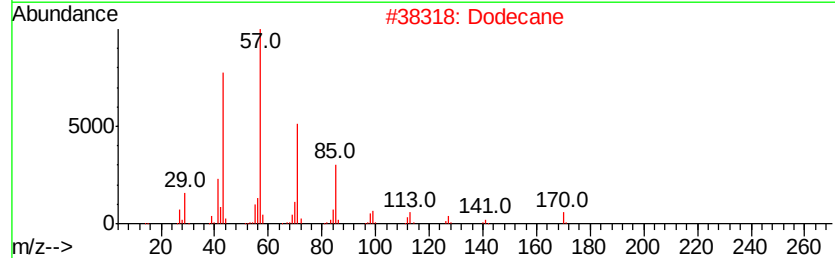
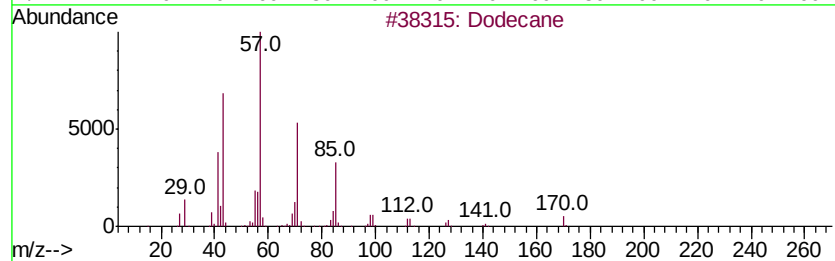
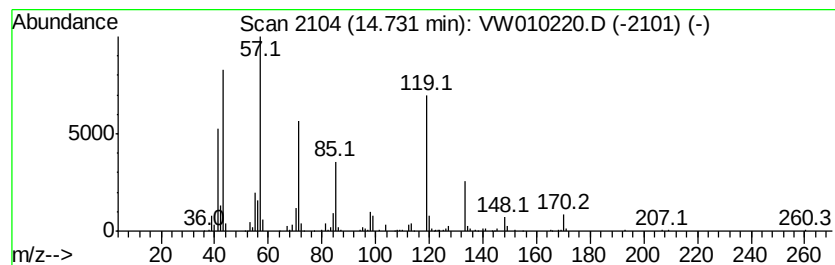
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	3.59 ug/L	250752	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	78
2		Dodecane	170	C12H26	000112-40-3	60
3		Dodecane	170	C12H26	000112-40-3	60
4		Tridecane	184	C13H28	000629-50-5	49
5		Hexadecane	226	C16H34	000544-76-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

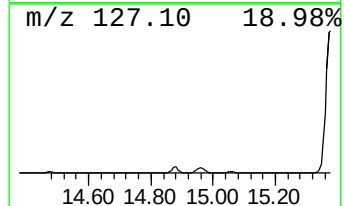
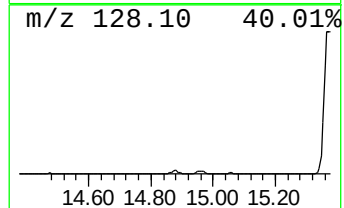
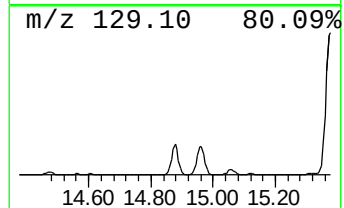
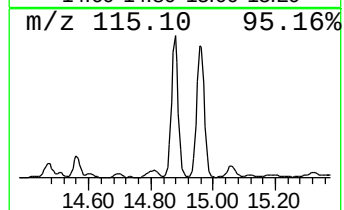
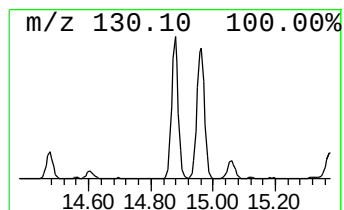
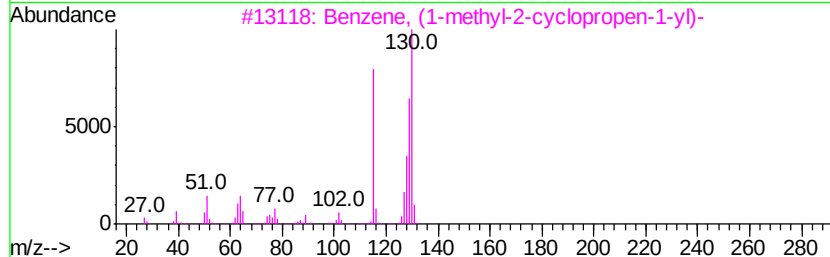
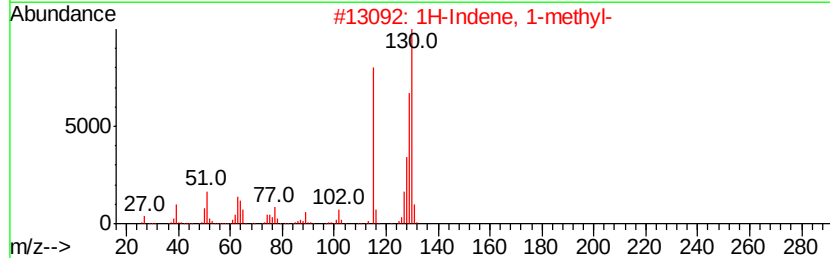
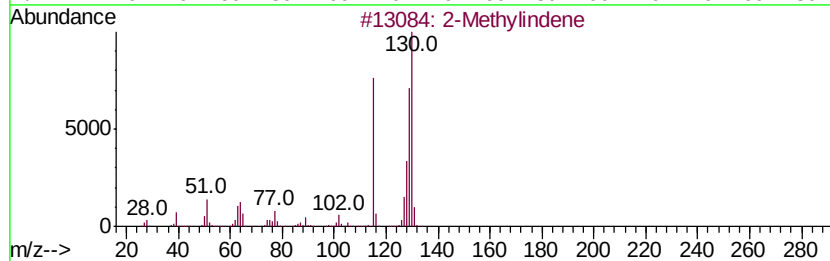
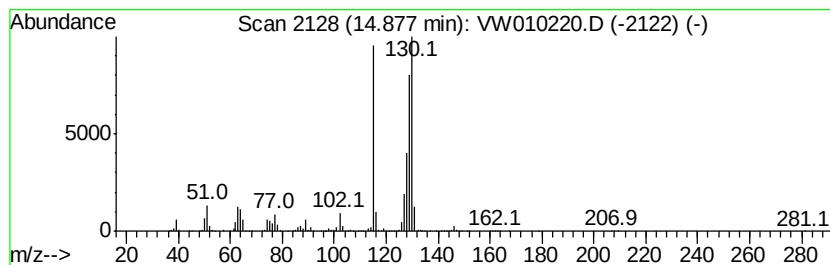
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 27 2-Methylindene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	58.77 ug/L	4105820	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylindene	130	C10H10	002177-47-1	97
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	95
4		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

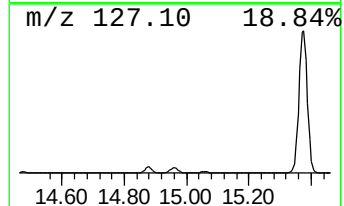
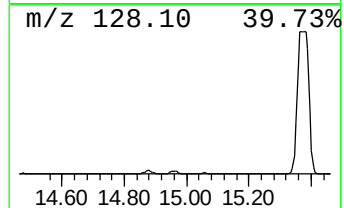
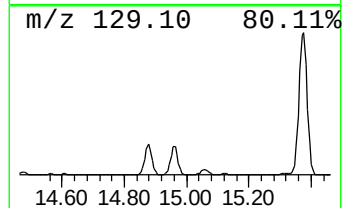
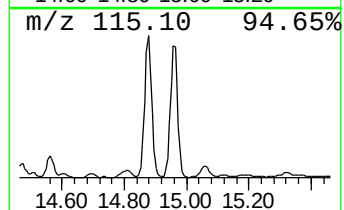
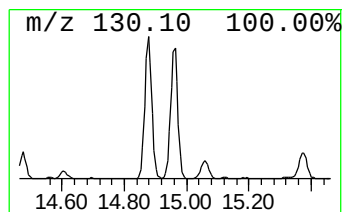
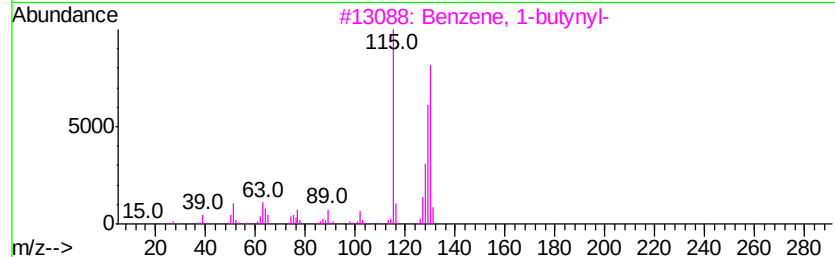
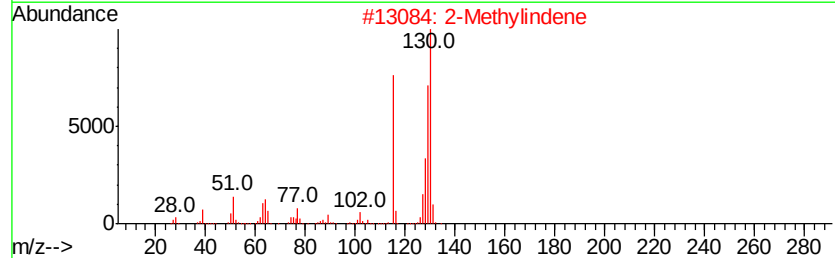
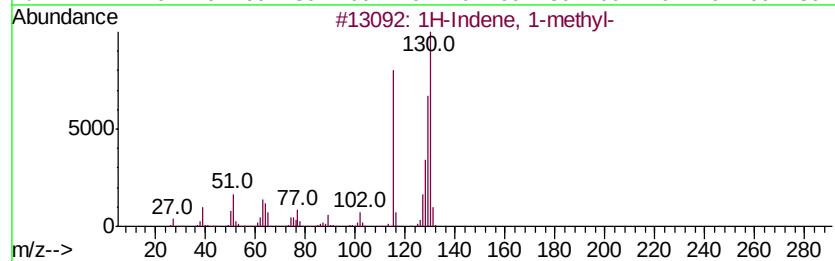
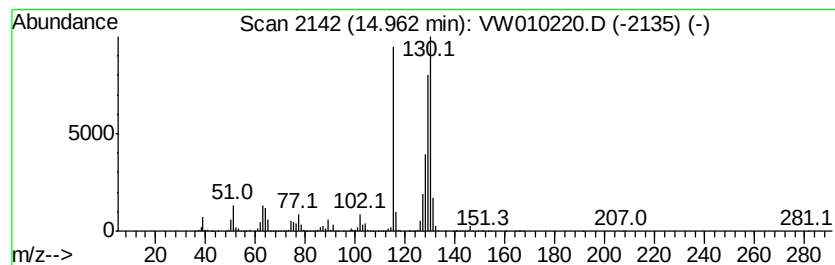
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 28 1H-Indene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	60.03 ug/L	4194130	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2		2-Methylindene	130	C10H10	002177-47-1	96
3		Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

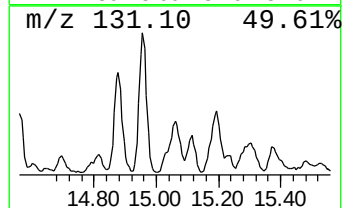
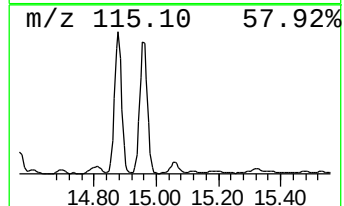
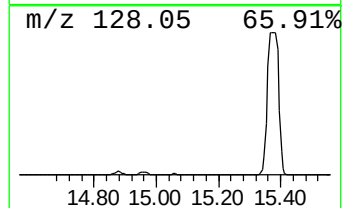
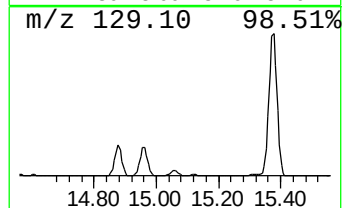
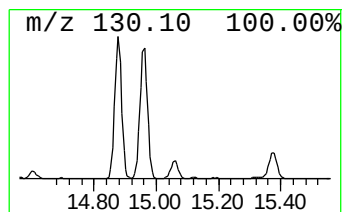
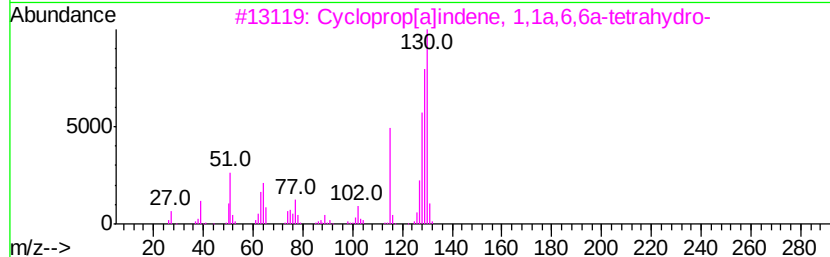
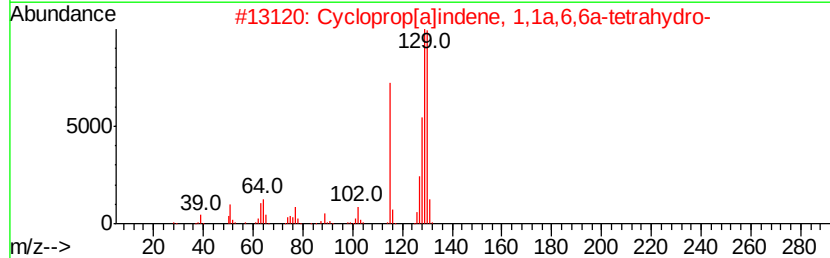
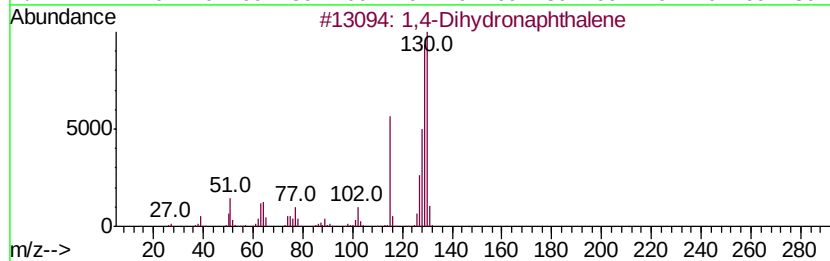
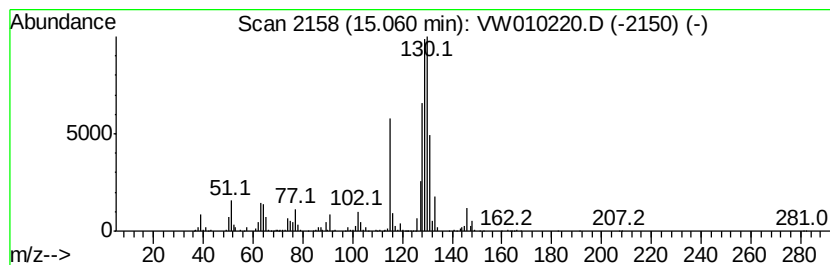
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 29 1,4-Dihydronaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	13.51 ug/L	943809	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92
3		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92
4		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
5		Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

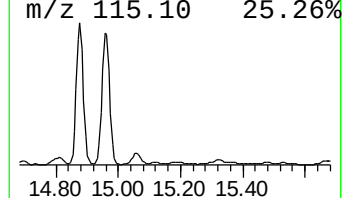
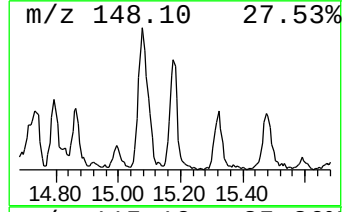
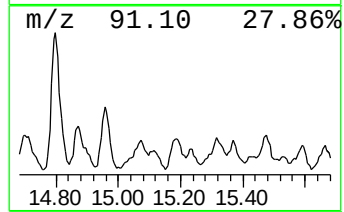
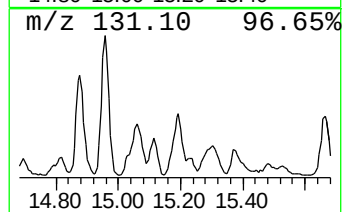
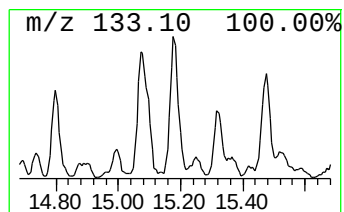
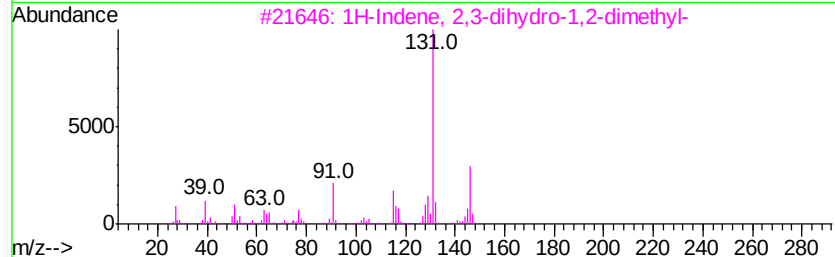
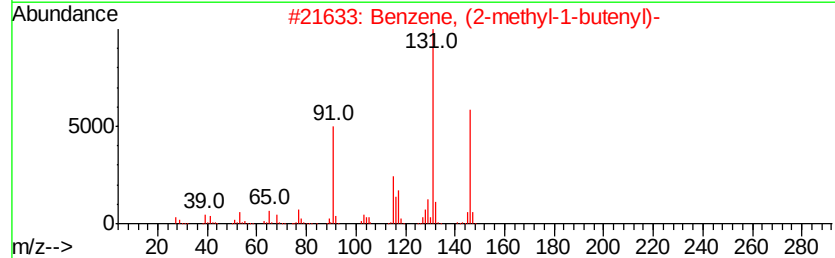
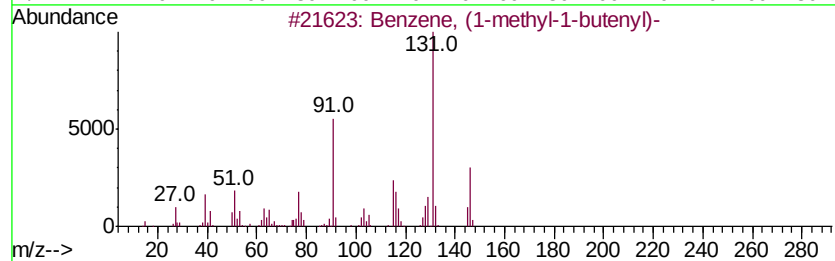
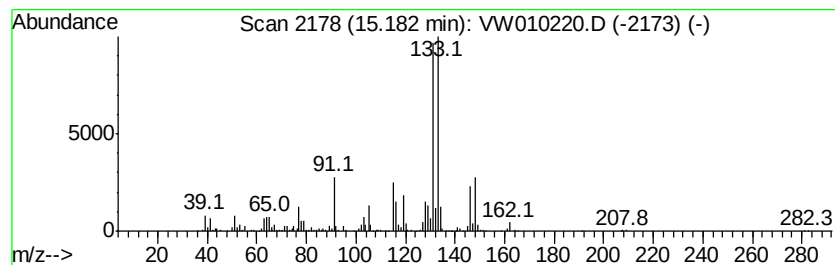
Instrument :
MSVOA_W
ClientSampleId :
GAJ81

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 30 Benzene, (1-methyl-1-butenyl)- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	6.25 ug/L	436880	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2 64
2		Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6 64
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 50
4		2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7 50
5		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

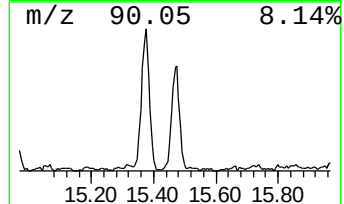
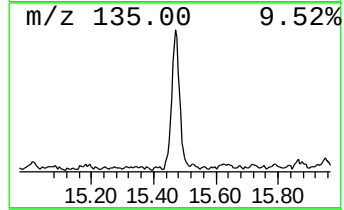
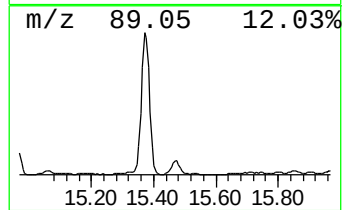
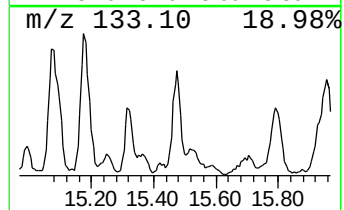
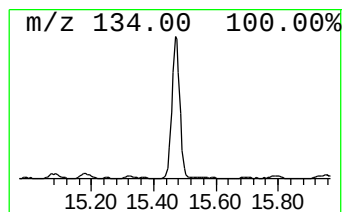
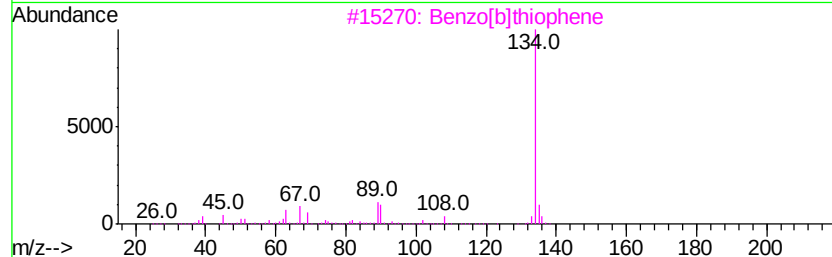
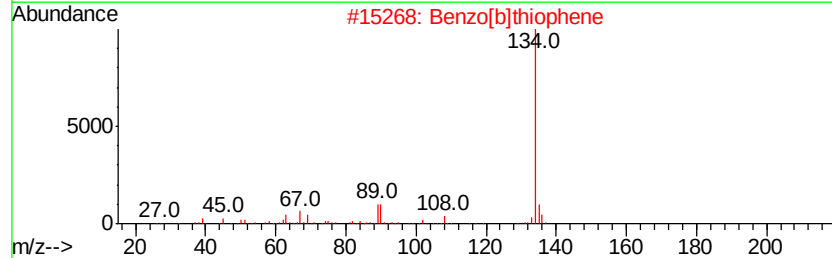
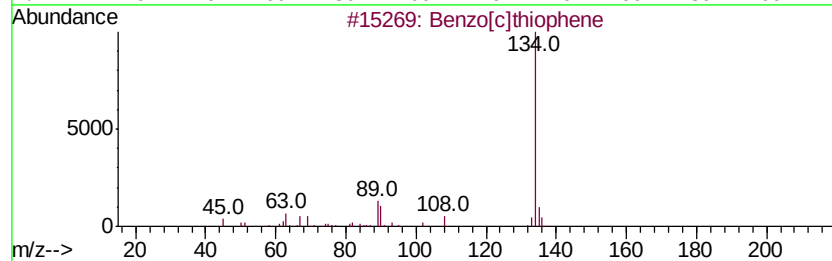
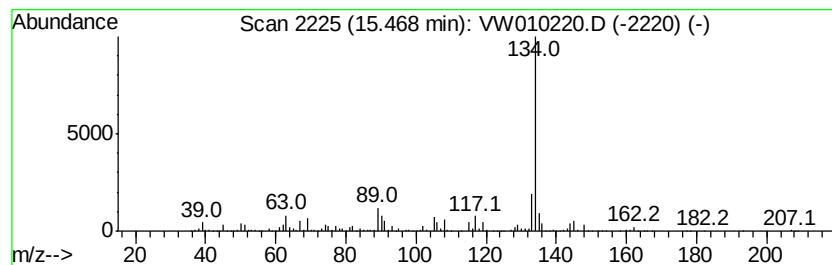
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 32 Benzo[c]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.44 ug/L	659564	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	92
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	70
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	70
4		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	70
5		Carbonic acid, 7-benzofuryl 2-ox...	234	C12H10O5	109613-86-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

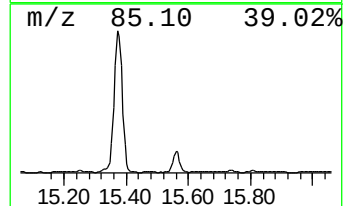
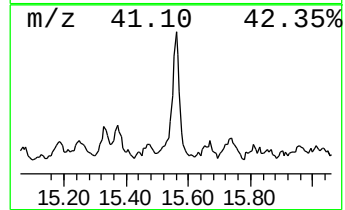
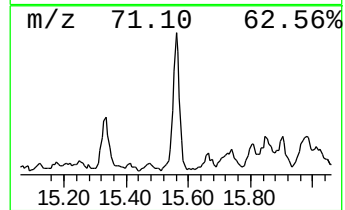
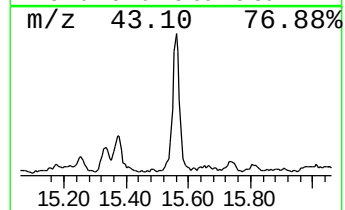
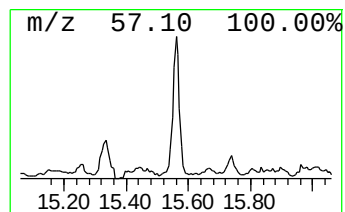
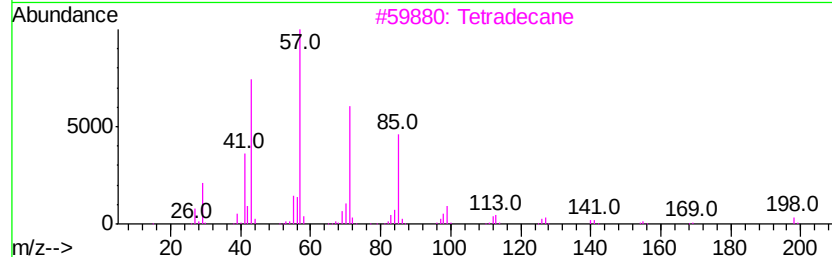
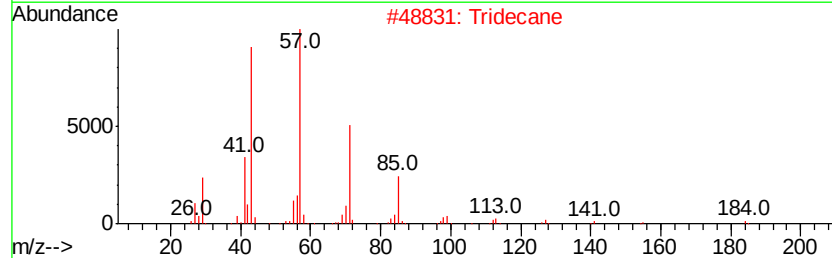
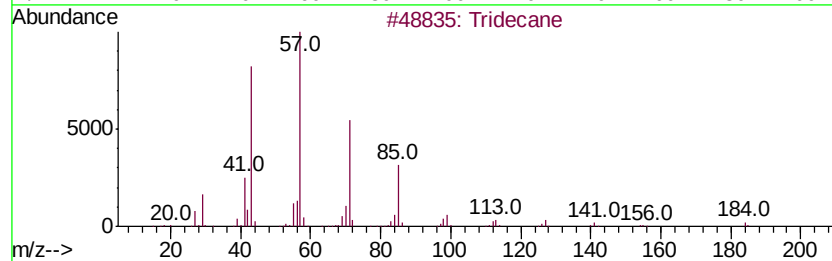
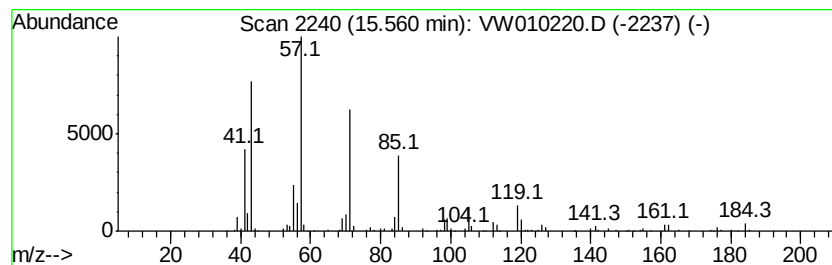
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	5.48 ug/L	382726	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	76
2			Tridecane	184	C13H28	000629-50-5	76
3			Tetradecane	198	C14H30	000629-59-4	58
4			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	50
5			Dodecane, 5-methyl-	184	C13H28	017453-93-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

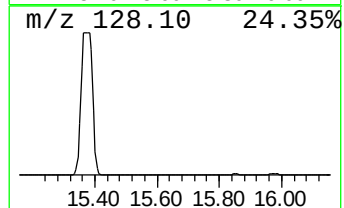
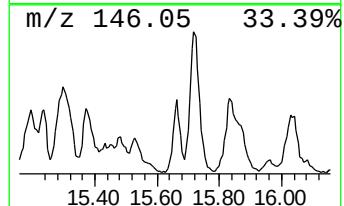
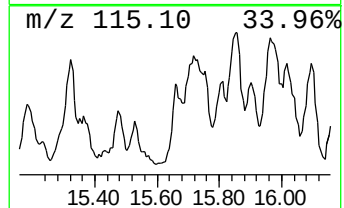
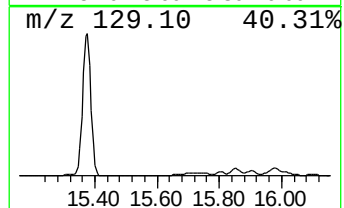
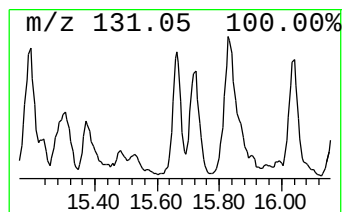
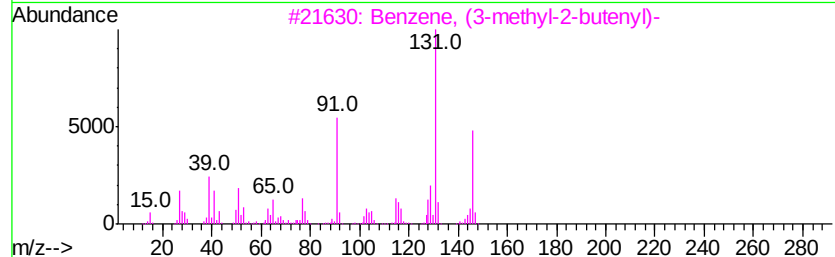
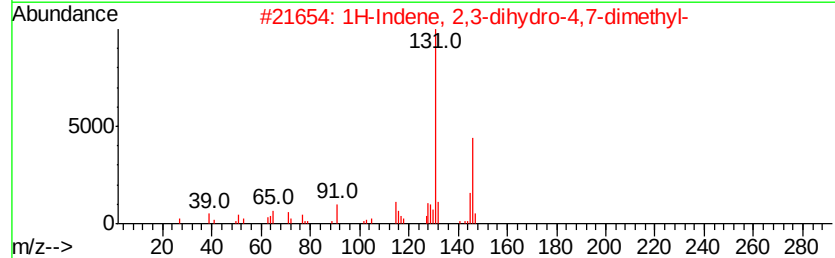
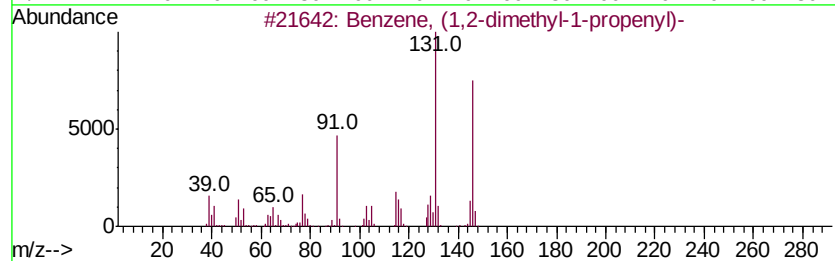
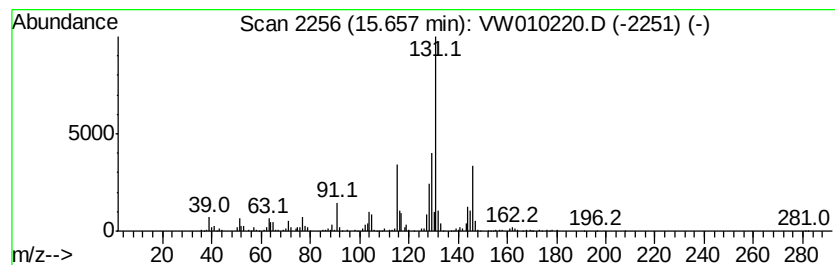
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 34 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	5.35 ug/L	373871	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	74
4		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	72
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

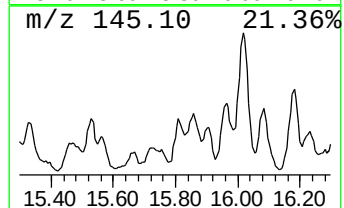
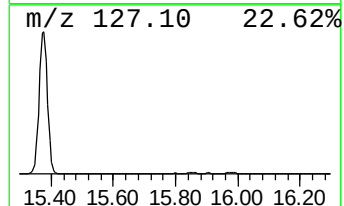
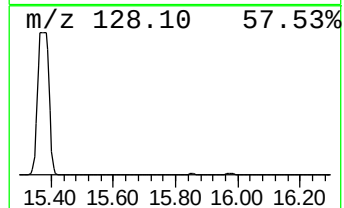
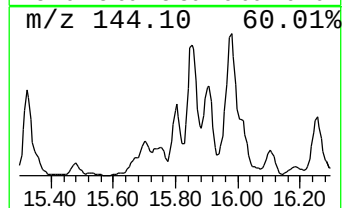
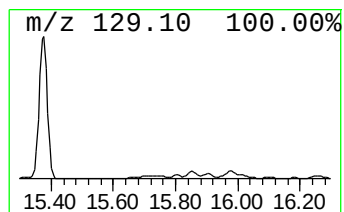
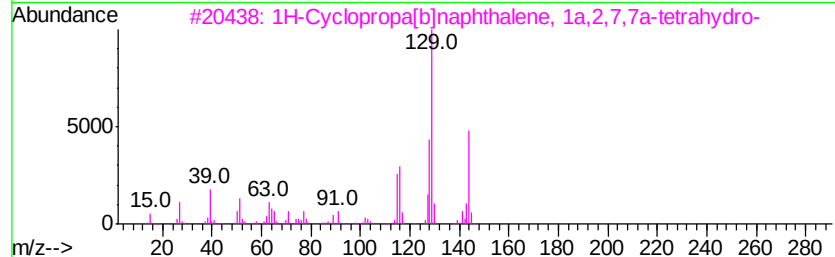
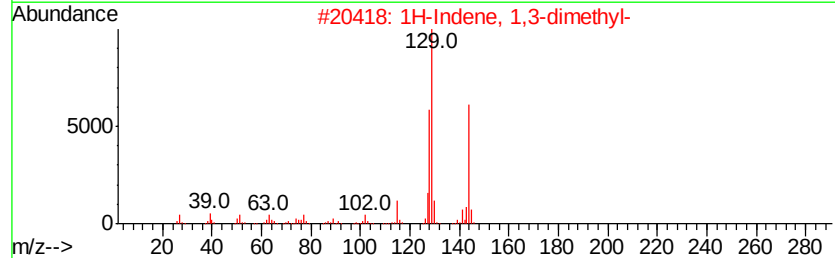
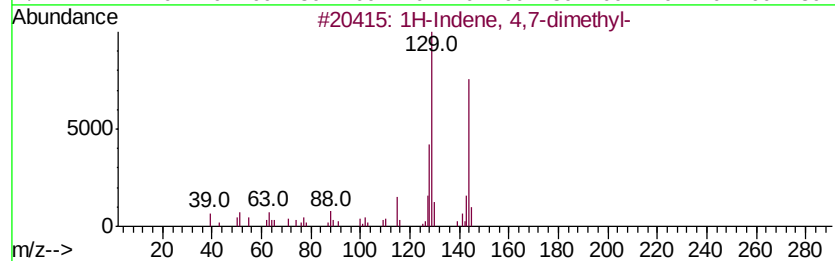
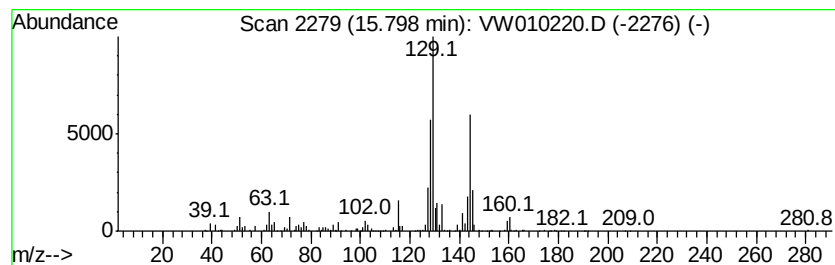
Instrument :
MSVOA_W
ClientSampleId :
GAJ81

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 4,7-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.80	4.89 ug/L	341880	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	81
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	81
3	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	81
4	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	74
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

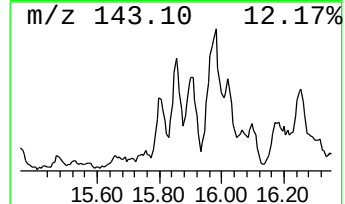
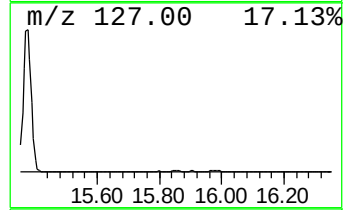
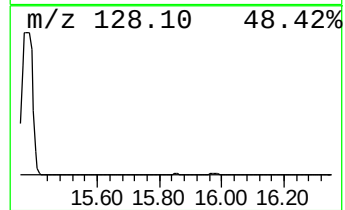
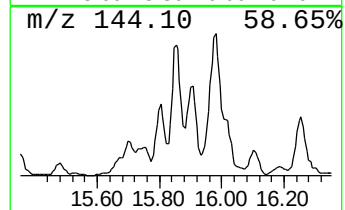
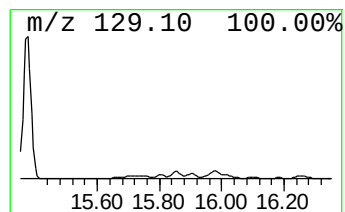
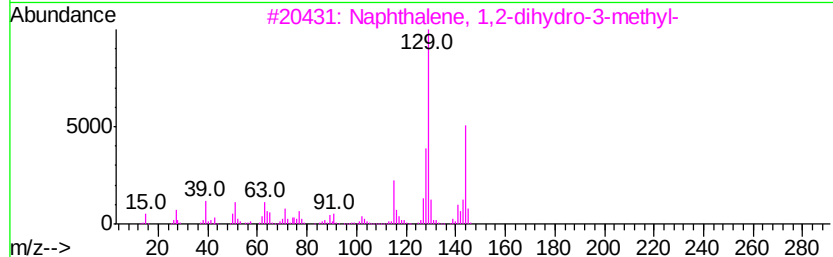
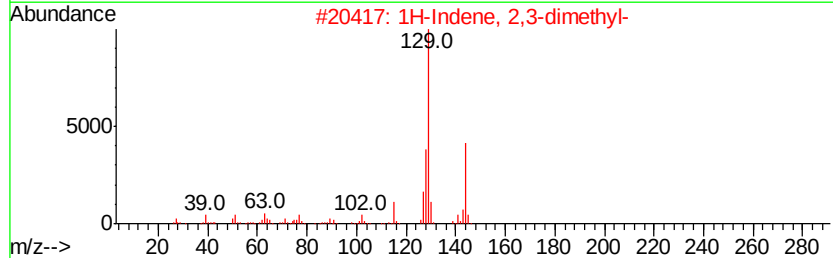
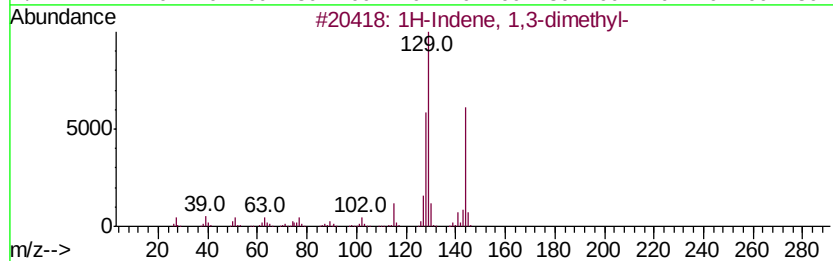
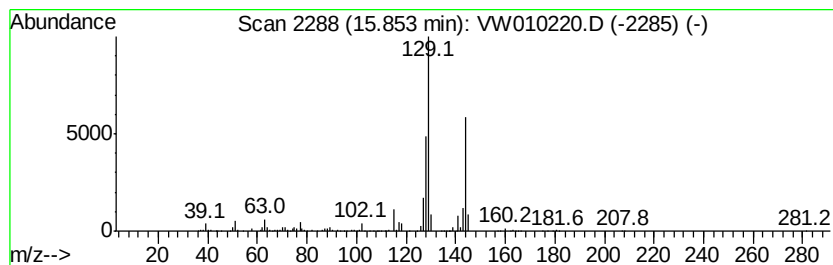
Instrument :
MSVOA_W
ClientSampleId :
GAJ81

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.85	6.98 ug/L	487450	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	95
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	87
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

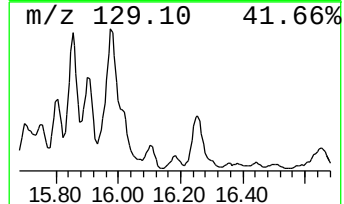
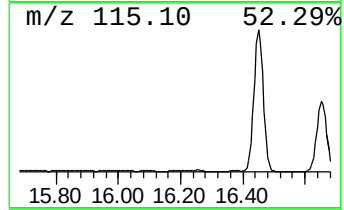
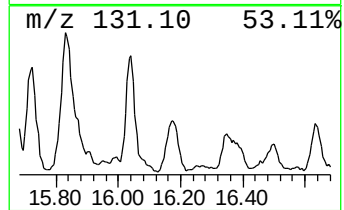
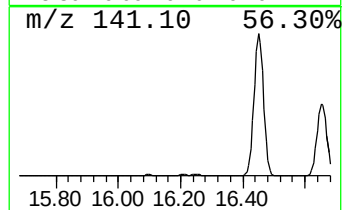
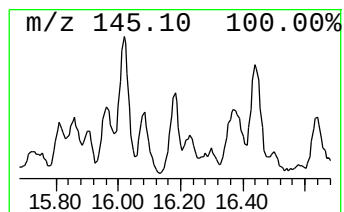
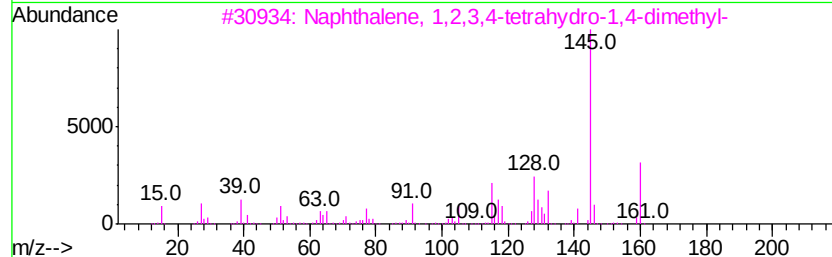
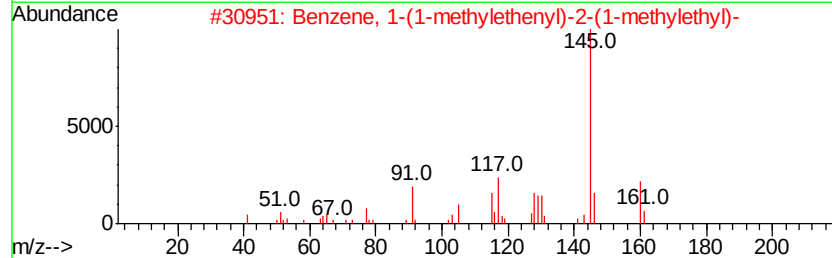
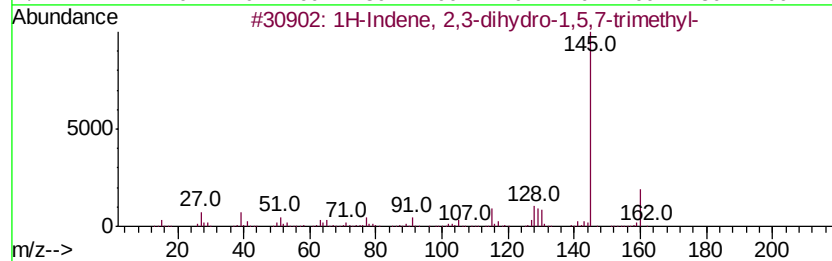
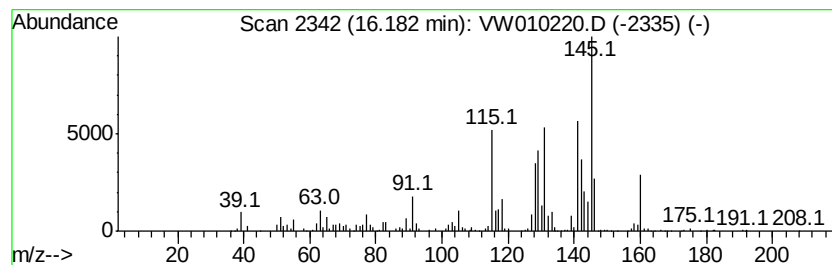
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 38 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	7.02 ug/L	490609	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	43
2		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	35
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	35
4		Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	30
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010220.D
Acq On : 30 Apr 2019 14:52
Operator : SY/VA
Sample : K2604-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ81

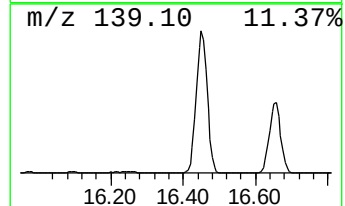
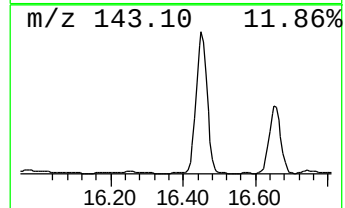
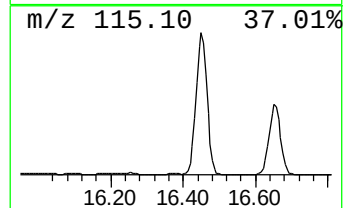
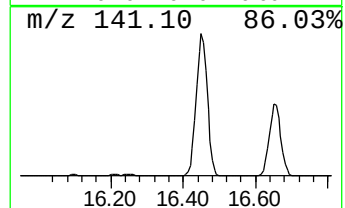
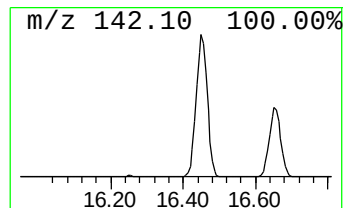
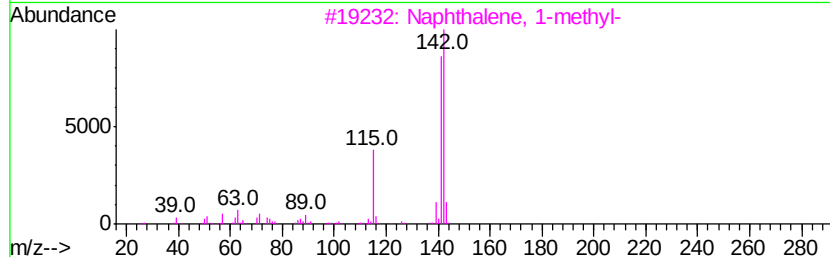
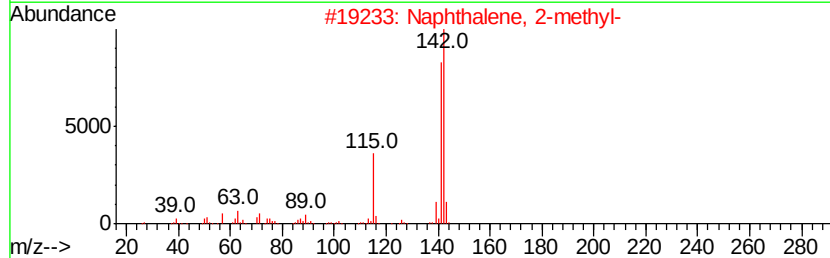
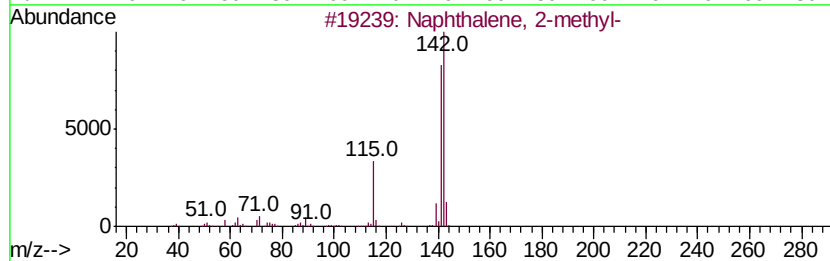
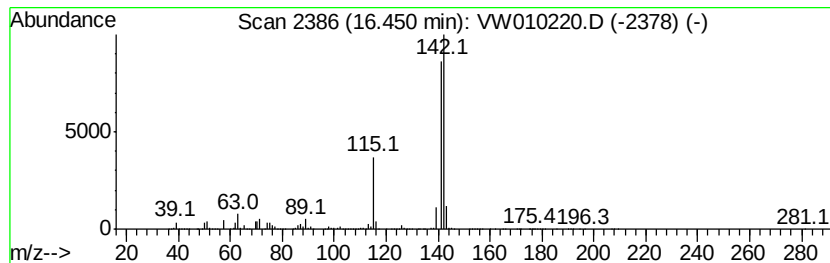
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 39 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	474.46 ug/L	33149100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042919\
 Data File : VW010220.D
 Acq On : 30 Apr 2019 14:52
 Operator : SY/VA
 Sample : K2604-07
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ81

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.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
Benzene, 1-ethyl-...	12.87	9.0	ug/L	631720	3	13.56	1746680	25.0
Benzene, 1,2,3-tr...	12.94	12.4	ug/L	865716	3	13.56	1746680	25.0
.alpha.-Methylsty...	13.12	10.5	ug/L	732897	3	13.56	1746680	25.0
Benzene, cyclopro...	13.30	65.6	ug/L	4582550	3	13.56	1746680	25.0
Benzene, 1-etheny...	13.35	24.7	ug/L	1723420	3	13.56	1746680	25.0
Benzene, 2-propenyl-	13.63	10.4	ug/L	723555	3	13.56	1746680	25.0
Benzene, 1-methyl...	13.72	1.8	ug/L	125667	3	13.56	1746680	25.0
Indane	13.76	8.6	ug/L	598484	3	13.56	1746680	25.0
Indene	13.94	177.8	ug/L	12421300	3	13.56	1746680	25.0
Benzene, 1-methyl...	14.02	1.9	ug/L	133527	3	13.56	1746680	25.0
Benzene, 1-methyl...	14.07	5.6	ug/L	391939	3	13.56	1746680	25.0
Benzene, 1-ethyl-...	14.10	2.8	ug/L	197257	3	13.56	1746680	25.0
Benzene, 2-butenyl-	14.15	6.9	ug/L	480663	3	13.56	1746680	25.0
Benzene, 2-etheny...	14.24	24.0	ug/L	1679380	3	13.56	1746680	25.0
Benzene, 1-ethyl-...	14.34	1.6	ug/L	108133	3	13.56	1746680	25.0
Benzene, 1,2,4,5-...	14.42	5.5	ug/L	387861	3	13.56	1746680	25.0
Benzene, 1,3-diet...	14.47	15.6	ug/L	1090480	3	13.56	1746680	25.0
Benzene, (2-methy...	14.56	17.2	ug/L	1203150	3	13.56	1746680	25.0
Benzene, 2-etheny...	14.69	4.2	ug/L	295254	3	13.56	1746680	25.0
(DEL) Alkane: Str...	14.73	3.6	ug/L	250752	3	13.56	1746680	25.0
2-Methylindene	14.88	58.8	ug/L	4105820	3	13.56	1746680	25.0
1H-Indene, 1-methyl-	14.96	60.0	ug/L	4194130	3	13.56	1746680	25.0
1,4-Dihydronaphth...	15.06	13.5	ug/L	943809	3	13.56	1746680	25.0
Benzene, (1-methy...	15.18	6.3	ug/L	436880	3	13.56	1746680	25.0
Benzo[c]thiophene	15.47	9.4	ug/L	659564	3	13.56	1746680	25.0
(DEL) Alkane: Str...	15.56	5.5	ug/L	382726	3	13.56	1746680	25.0
Benzene, (1,2-dim...	15.66	5.3	ug/L	373871	3	13.56	1746680	25.0
1H-Indene, 4,7-di...	15.80	4.9	ug/L	341880	3	13.56	1746680	25.0
1H-Indene, 1,3-di...	15.85	7.0	ug/L	487450	3	13.56	1746680	25.0
unknown-01	16.18	7.0	ug/L	490609	3	13.56	1746680	25.0
Naphthalene, 1-me...	16.45	474.5	ug/L	33149100	3	13.56	1746680	25.0