

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
 Data File : VW014681.D
 Acq On : 17 Jan 2020 11:49
 Operator : SY/VA
 Sample : L1109-05
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG4

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\SOM2WLM122719S.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	1.953	6	8	12	rBV5	2937	4473	0.00%	0.001%
2	2.154	36	41	47	rBV2	21220	41420	0.02%	0.005%
3	2.349	66	73	87	rBV	299211	535700	0.24%	0.065%
4	2.885	154	161	176	rVB	192904	462464	0.20%	0.056%
5	3.666	286	289	294	rBV3	1245	2236	0.00%	0.000%
6	4.013	334	346	362	rBV	413305	1338829	0.59%	0.163%
7	4.294	390	392	395	rVB3	1708	1461	0.00%	0.000%
8	4.605	440	443	447	rVB3	883	1263	0.00%	0.000%
9	4.909	481	493	509	rBV2	32150	117961	0.05%	0.014%
10	5.580	597	603	606	rVB2	791	1470	0.00%	0.000%
11	5.769	630	634	635	rBV3	1461	1736	0.00%	0.000%
12	5.934	654	661	670	rVV7	5549	17833	0.01%	0.002%
13	6.409	735	739	742	rBV4	663	1347	0.00%	0.000%
14	6.811	802	805	808	rBV4	740	1092	0.00%	0.000%
15	6.903	816	820	821	rBV2	1103	1599	0.00%	0.000%
16	7.074	838	848	854	rBV	77779	215845	0.10%	0.026%
17	7.220	870	872	875	rVB3	1123	1193	0.00%	0.000%
18	7.641	930	941	953	rBV	570643	1402964	0.62%	0.171%
19	7.945	985	991	999	rVB8	3077	7386	0.00%	0.001%
20	8.269	1033	1044	1064	rBV2	1217026	3478417	1.54%	0.423%
21	8.689	1106	1113	1120	rBV4	4131	8172	0.00%	0.001%
22	8.835	1128	1137	1148	rBV	1466966	2865051	1.27%	0.349%
23	9.073	1167	1176	1185	rVB	5043	12565	0.01%	0.002%
24	9.268	1200	1208	1225	rBV	784346	1615807	0.71%	0.197%
25	9.409	1226	1231	1243	rVB2	9458	23292	0.01%	0.003%
26	9.598	1259	1262	1269	rBV8	1948	4506	0.00%	0.001%
27	9.659	1269	1272	1277	rVB4	2346	3225	0.00%	0.000%
28	9.756	1283	1288	1292	rVB7	2688	5538	0.00%	0.001%
29	9.896	1305	1311	1315	rBV4	2168	3813	0.00%	0.000%
30	9.951	1315	1320	1326	rBV3	9907	19818	0.01%	0.002%
31	10.030	1326	1333	1340	rBV	398271	711916	0.32%	0.087%
32	10.201	1356	1361	1366	rBV7	4922	10256	0.00%	0.001%
33	10.323	1372	1381	1387	rBV	1723325	3118366	1.38%	0.379%
34	10.384	1387	1391	1398	rVB	97454	175045	0.08%	0.021%

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
 Data File : VW014681.D
 Acq On : 17 Jan 2020 11:49
 Operator : SY/VA
 Sample : L1109-05
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG4

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\SOM2WLM122719S.M
 Title : VOC Analysis

35	10.500	1403	1410	1416	rVV	71928	126735	0.06%	0.015%
36	10.573	1416	1422	1429	rVV	248767	429903	0.19%	0.052%
37	10.658	1432	1436	1440	rVV2	17680	32852	0.01%	0.004%
38	10.707	1440	1444	1447	rVV2	12751	21590	0.01%	0.003%
39	10.750	1447	1451	1462	rVB9	13681	34284	0.02%	0.004%
40	10.853	1464	1468	1473	rVB6	6631	12380	0.01%	0.002%
41	10.921	1473	1479	1488	rBV	310058	547940	0.24%	0.067%
42	11.067	1497	1503	1513	rBV5	81152	171480	0.08%	0.021%
43	11.177	1516	1521	1525	rVB	53839	77962	0.03%	0.009%
44	11.225	1525	1529	1534	rBV2	56430	87355	0.04%	0.011%
45	11.274	1535	1537	1542	rVB4	20003	26482	0.01%	0.003%
46	11.335	1542	1547	1552	rVB3	29734	51424	0.02%	0.006%
47	11.414	1553	1560	1561	rBV3	40187	70148	0.03%	0.009%
48	11.512	1571	1576	1580	rBV	50070	77453	0.03%	0.009%
49	11.628	1588	1595	1605	rBV	1942442	3255351	1.44%	0.396%
50	11.725	1607	1611	1615	rBV2	45980	76950	0.03%	0.009%
51	11.835	1615	1629	1639	rVV	15541175	29516082	13.06%	3.591%
52	11.969	1646	1651	1656	rBV2	80688	122756	0.05%	0.015%
53	12.164	1670	1683	1691	rBV	12012825	19790626	8.76%	2.408%
54	12.250	1694	1697	1701	rVB	71147	100318	0.04%	0.012%
55	12.341	1701	1712	1715	rBV3	218777	528009	0.23%	0.064%
56	12.463	1726	1732	1738	rBV	1783011	2808449	1.24%	0.342%
57	12.646	1760	1762	1765	rBV	31572	38506	0.02%	0.005%
58	12.688	1765	1769	1775	rVB	507383	814054	0.36%	0.099%
59	12.798	1779	1787	1792	rBV	1497924	2549008	1.13%	0.310%
60	12.865	1792	1798	1801	rVV	7222939	11584152	5.13%	1.409%
61	12.896	1801	1803	1806	rVV	3521385	4839454	2.14%	0.589%
62	12.938	1806	1810	1817	rVB	8921777	14250697	6.31%	1.734%
63	13.103	1829	1837	1844	rBV	4619587	7798702	3.45%	0.949%
64	13.164	1844	1847	1853	rVB3	114531	171865	0.08%	0.021%
65	13.249	1853	1861	1866	rBV	26641478	42923611	18.99%	5.222%
66	13.298	1866	1869	1874	rVB	855020	1186868	0.53%	0.144%
67	13.365	1874	1880	1887	rBV5	243206	662712	0.29%	0.081%
68	13.438	1887	1892	1895	rBV	1698467	2869470	1.27%	0.349%
69	13.475	1895	1898	1906	rVB2	1578793	3733540	1.65%	0.454%
70	13.585	1906	1916	1921	rBV	10125082	18288692	8.09%	2.225%
71	13.719	1931	1938	1939	rBV2	1524324	2260259	1.00%	0.275%

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
 Data File : VW014681.D
 Acq On : 17 Jan 2020 11:49
 Operator : SY/VA
 Sample : L1109-05
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG4

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\SOM2WLM122719S.M
 Title : VOC Analysis

72	13.749	1939	1943	1946	rVV2	3487244	6306115	2.79%	0.767%
73	13.786	1946	1949	1956	rVV2	5196648	9150095	4.05%	1.113%
74	13.871	1956	1963	1968	rVB4	1728553	4344549	1.92%	0.529%
75	13.938	1968	1974	1980	rVB2	3601173	6111749	2.70%	0.744%
76	14.011	1980	1986	1988	rBV	2405827	4145993	1.83%	0.504%
77	14.036	1988	1990	1995	rVV	3016475	4198633	1.86%	0.511%
78	14.097	1995	2000	2004	rVB	4453611	6717000	2.97%	0.817%
79	14.206	2012	2018	2027	rBV3	3092450	7905434	3.50%	0.962%
80	14.280	2028	2030	2034	rVB2	494020	608256	0.27%	0.074%
81	14.335	2034	2039	2043	rBV	1626009	2530997	1.12%	0.308%
82	14.414	2043	2052	2055	rBV2	3009965	6567285	2.91%	0.799%
83	14.456	2055	2059	2062	rBV	4452883	6015718	2.66%	0.732%
84	14.554	2070	2075	2081	rVB4	1507990	3125473	1.38%	0.380%
85	14.639	2085	2089	2092	rBV	704594	901736	0.40%	0.110%
86	14.688	2092	2097	2101	rBV	6630366	10929069	4.84%	1.330%
87	14.725	2101	2103	2108	rVB2	2585631	3253756	1.44%	0.396%
88	14.798	2108	2115	2122	rBV3	10899058	25986282	11.50%	3.162%
89	14.871	2122	2127	2135	rVB2	8912262	14922487	6.60%	1.816%
90	14.950	2135	2140	2148	rVB2	5918551	9842412	4.36%	1.197%
91	15.066	2149	2159	2163	rBV4	2409715	6127506	2.71%	0.745%
92	15.182	2172	2178	2185	rVB3	2456227	5494503	2.43%	0.668%
93	15.371	2202	2209	2218	rVB2	96718691	225997592	100.00%	27.496%
94	15.468	2219	2225	2230	rBV	3830776	6799574	3.01%	0.827%
95	15.554	2236	2239	2248	rVB	2511436	4182355	1.85%	0.509%
96	15.651	2248	2255	2261	rBV2	1875627	4341585	1.92%	0.528%
97	15.798	2274	2279	2280	rBV3	893215	1368136	0.61%	0.166%
98	15.968	2300	2307	2311	rBV2	1832246	4512058	2.00%	0.549%
99	16.450	2377	2386	2399	rVB2	63948852	161847582	71.61%	19.691%
100	16.645	2410	2418	2428	rVB2	33821761	79548218	35.20%	9.678%

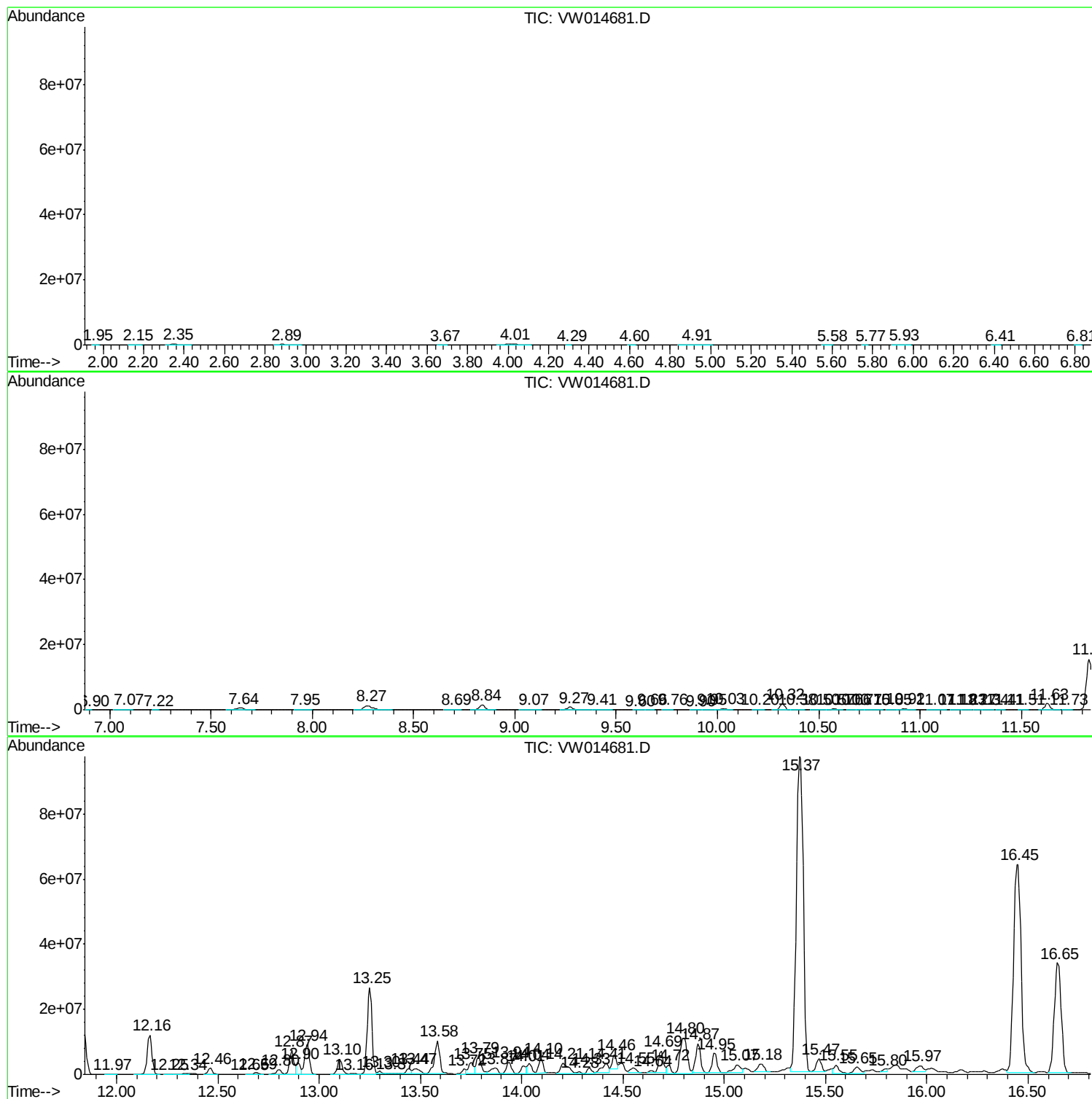
Sum of corrected areas: 821934326

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

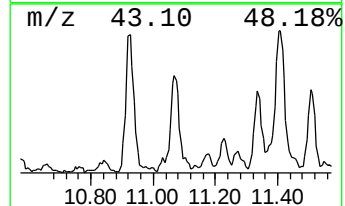
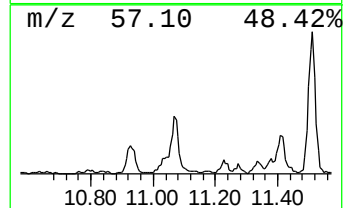
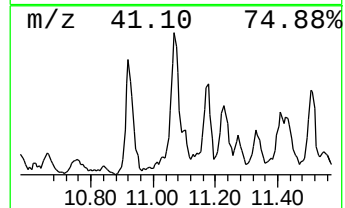
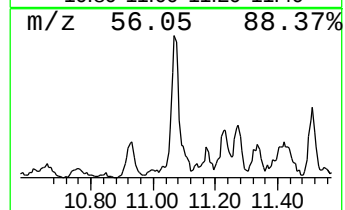
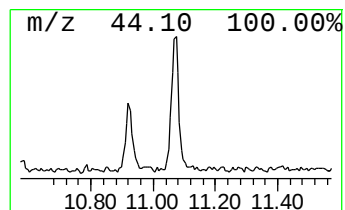
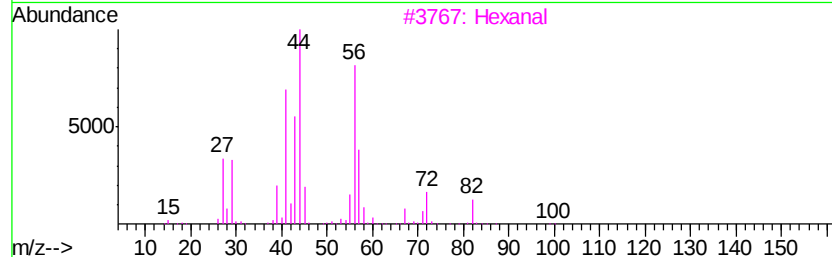
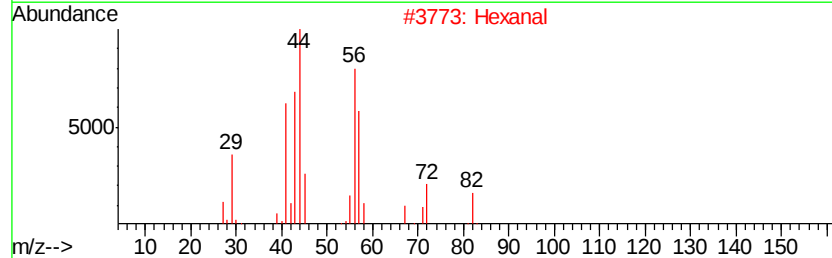
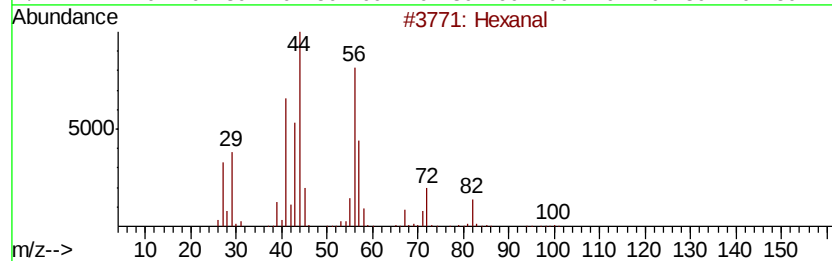
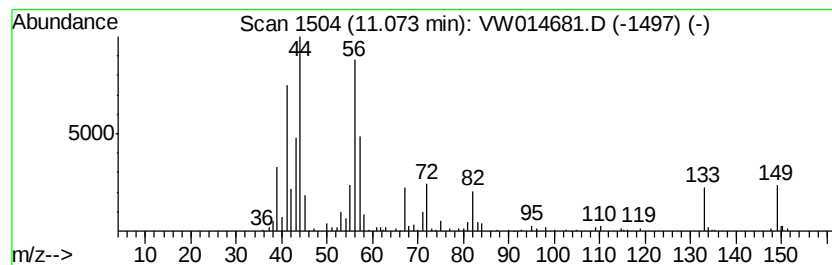
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 2 Hexanal Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.32 ug/L	171480	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	70
2	Hexanal		100	C6H12O	000066-25-1	59
3	Hexanal		100	C6H12O	000066-25-1	50
4	Hexanal		100	C6H12O	000066-25-1	50
5	Cyclobutanol, 2-ethyl-		100	C6H12O	035301-43-0	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

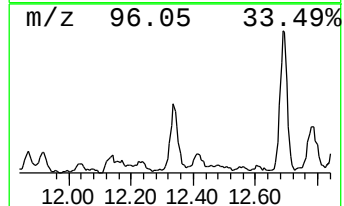
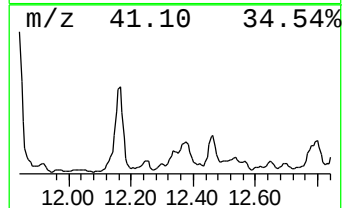
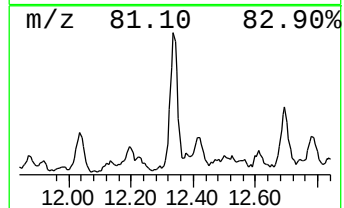
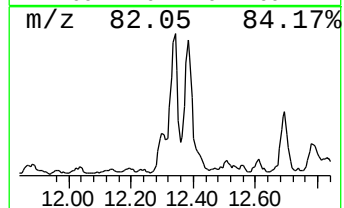
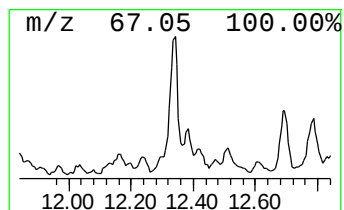
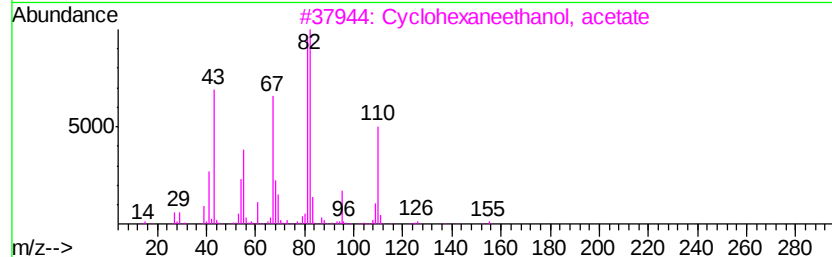
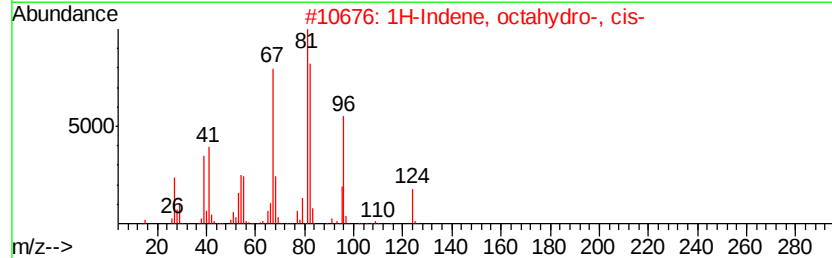
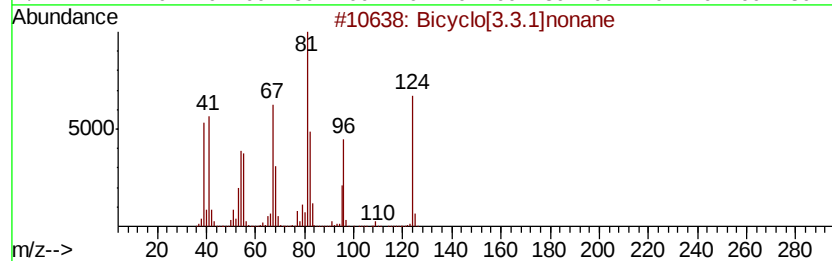
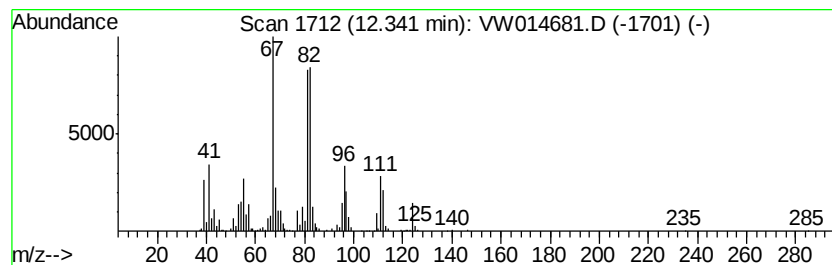
Instrument :
MSVOA_W
ClientSampleId :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 3 Bicyclo[3.3.1]nonane Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	4.05 ug/L	528009	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[3.3.1]nonane	124 C9H16	000280-65-9 50
2		1H-Indene, octahydro-, cis-	124 C9H16	004551-51-3 49
3		Cyclohexaneethanol, acetate	170 C10H18O2	021722-83-8 47
4		Pentalene, octahydro-2-methyl-	124 C9H16	003868-64-2 45
5		Cyclohexene, 4-propyl-	124 C9H16	013487-64-4 41



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

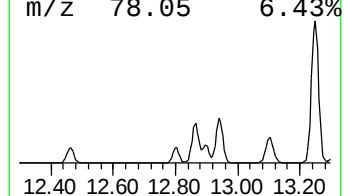
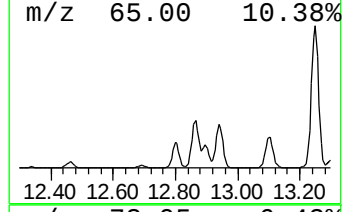
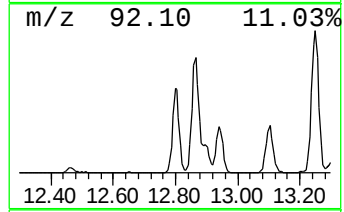
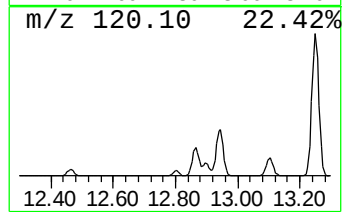
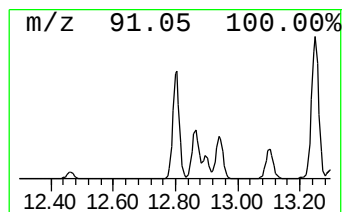
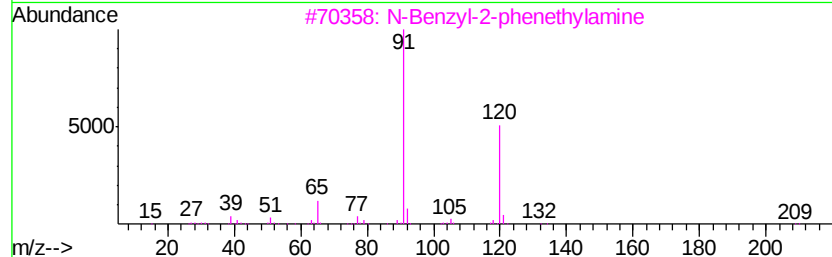
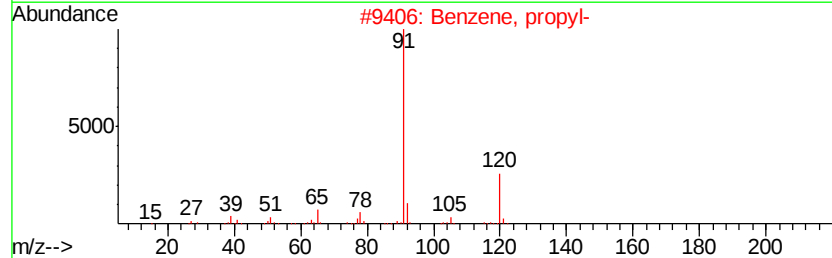
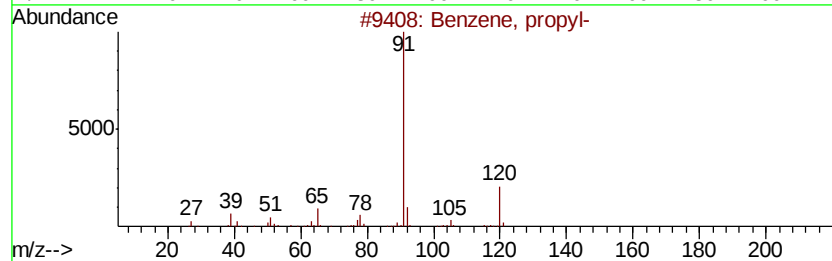
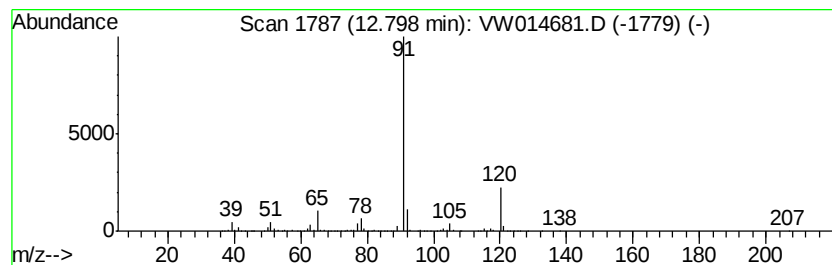
Instrument :
MSVOA_W
ClientSampled :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 4 Benzene, propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	3.48 ug/L	2549010	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 90
2		Benzene, propyl-	120 C9H12	000103-65-1 90
3		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 72
4		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 64
5		1,2-Ethanediamine, N,N'-bis(phen...	240 C16H20N2	000140-28-3 64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

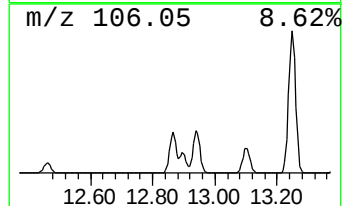
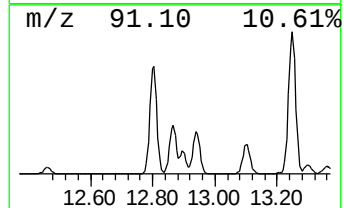
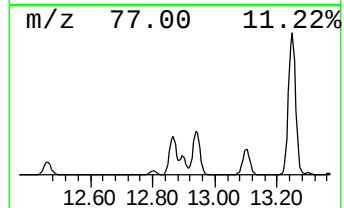
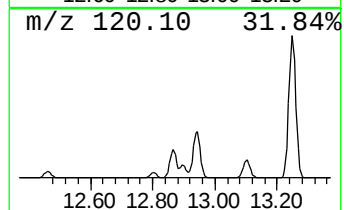
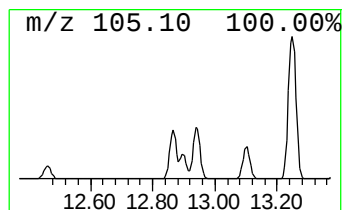
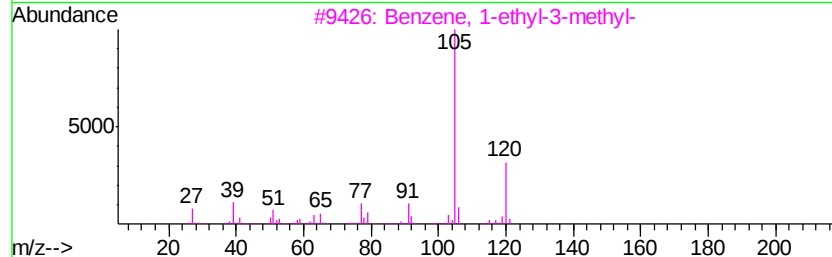
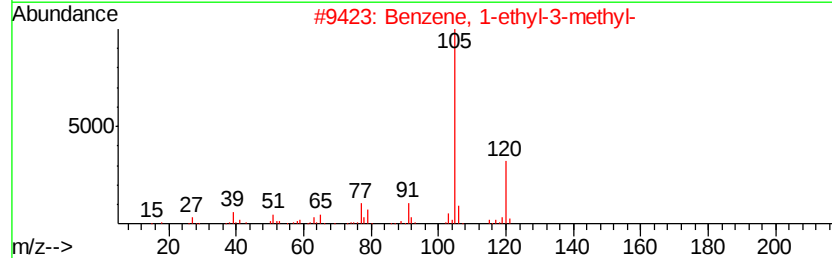
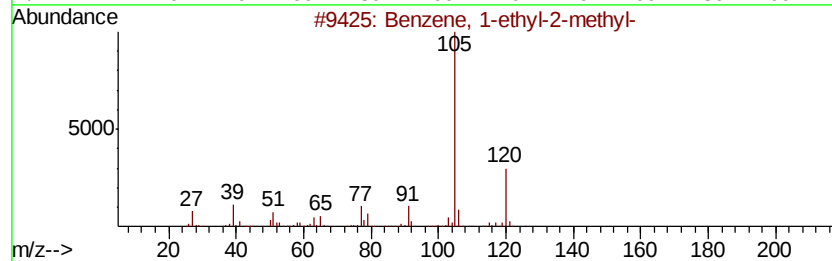
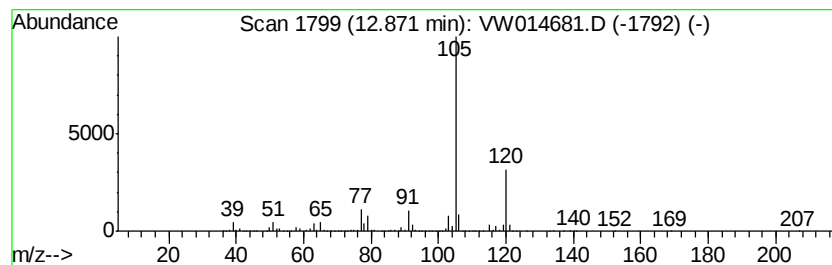
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	15.84 ug/L	11584200	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

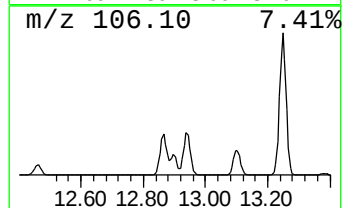
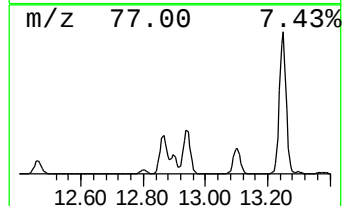
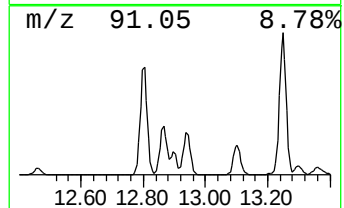
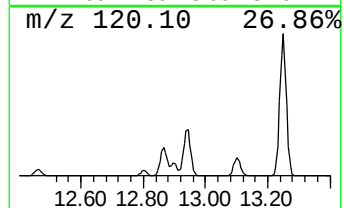
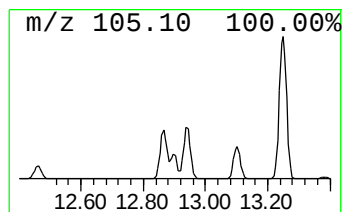
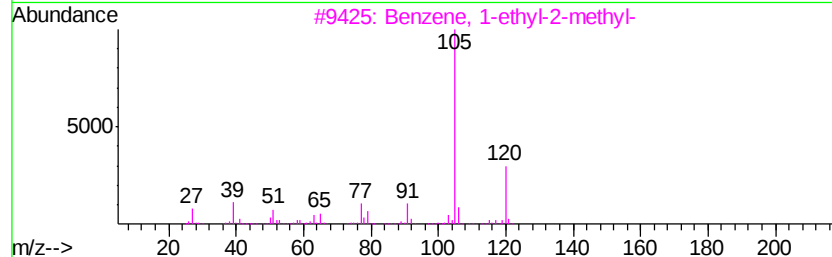
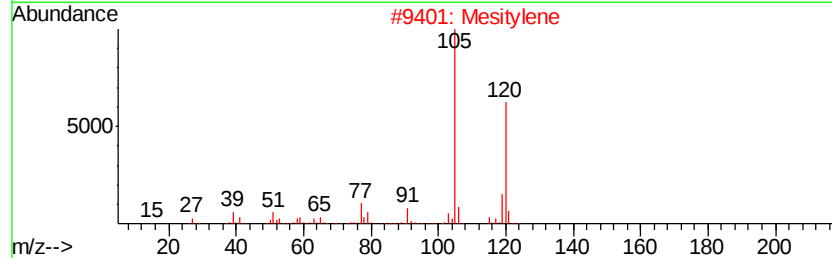
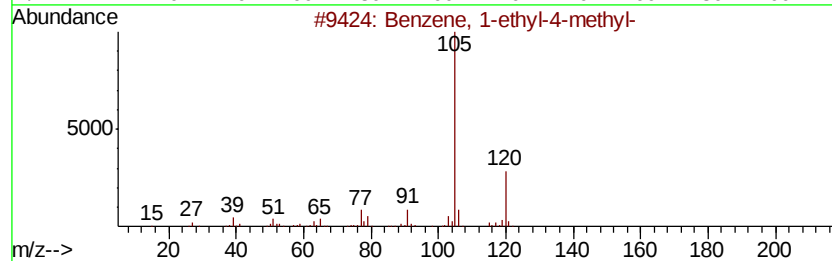
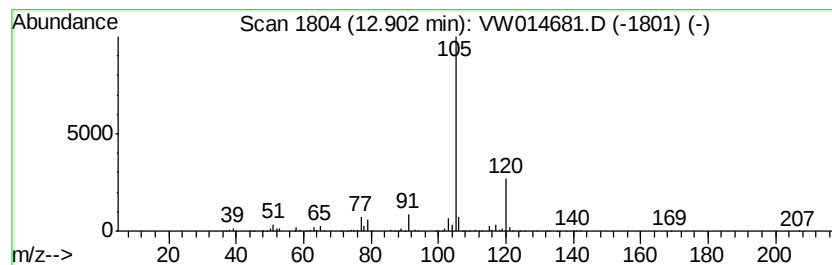
Instrument :
MSVOA_W
ClientSampleId :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.90	6.62 ug/L	4839450	1,4-Dichlorobenzene-d4	13.55		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
2		Mesitylene	120	C9H12	000108-67-8	91
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

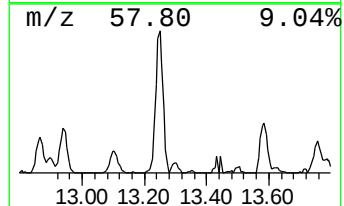
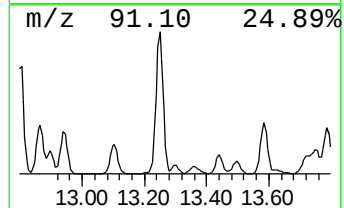
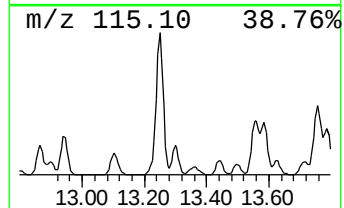
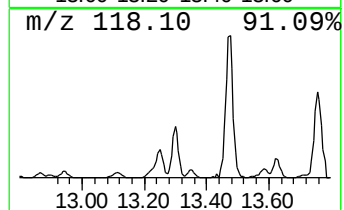
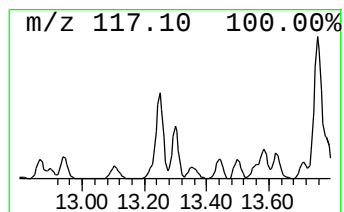
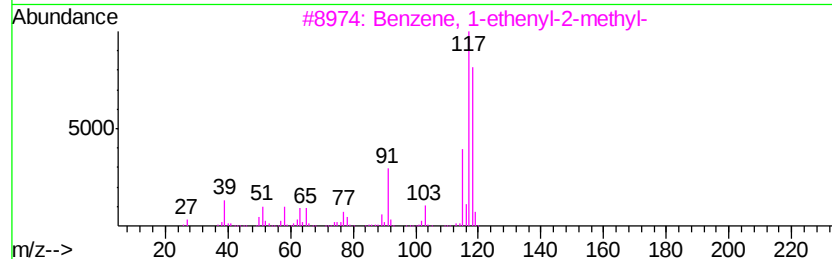
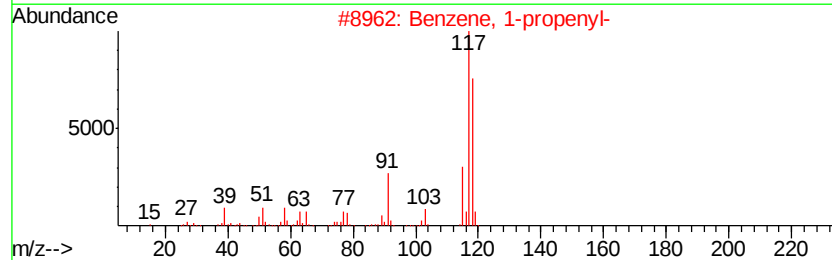
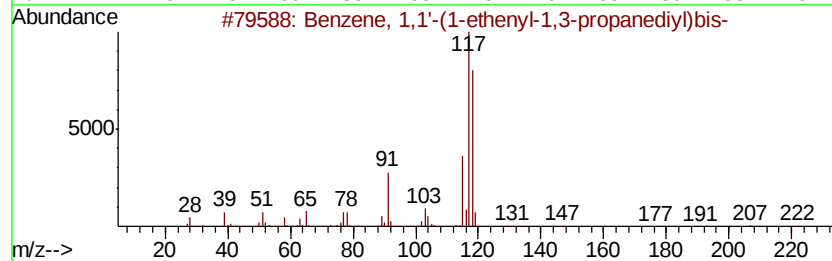
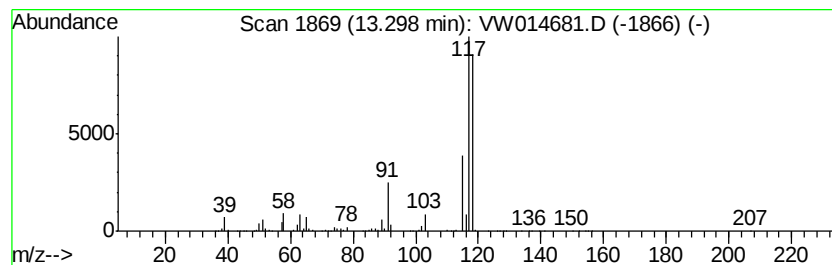
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,1'-(1-ethenyl-1,... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	1.62 ug/L	1186870	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
2		Benzene, 1-propenyl-	118	C9H10	000637-50-3	81
3		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
4		Indane	118	C9H10	000496-11-7	81
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

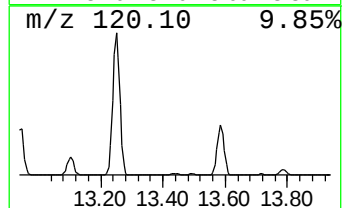
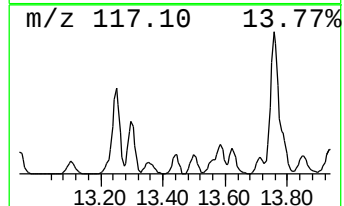
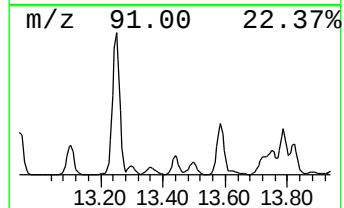
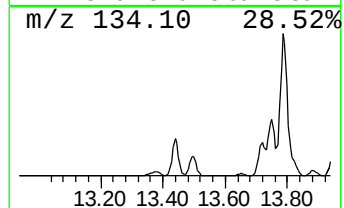
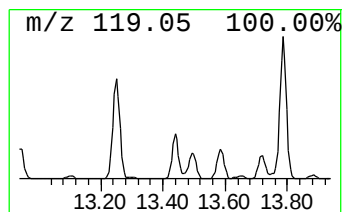
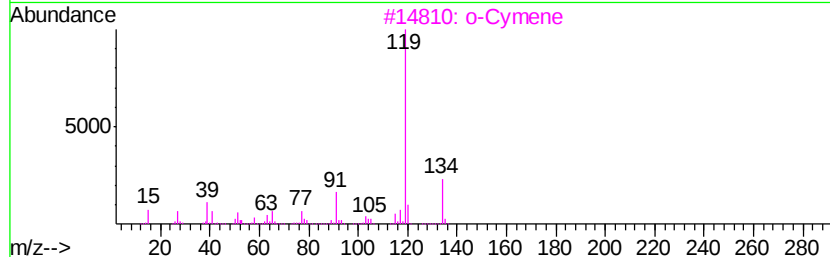
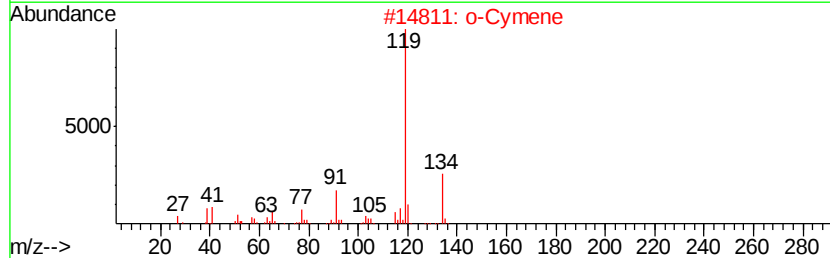
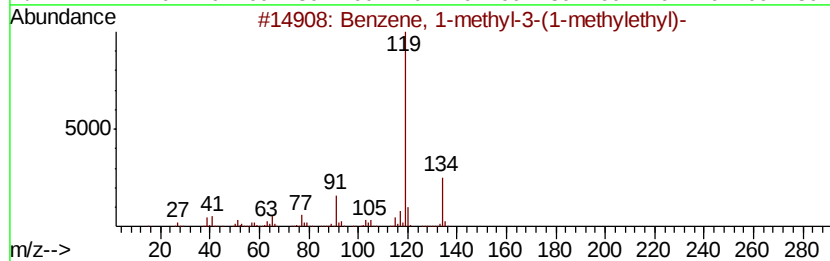
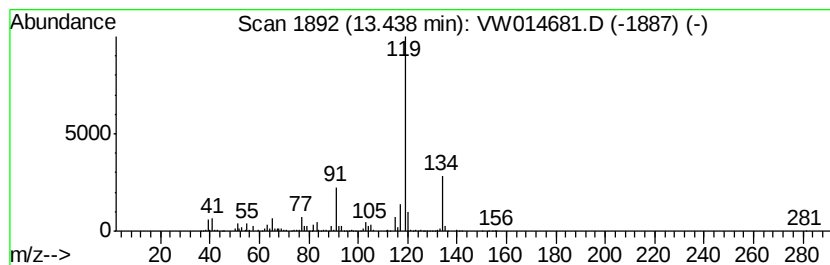
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	3.92 ug/L	2869470	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		p-Cymene	134	C10H14	000099-87-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

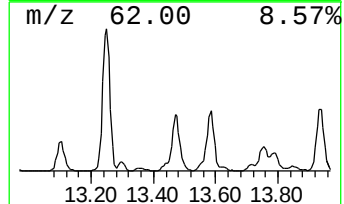
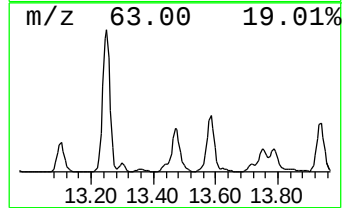
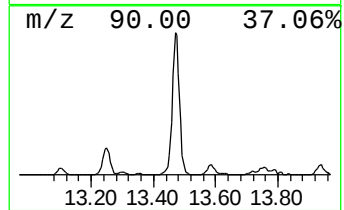
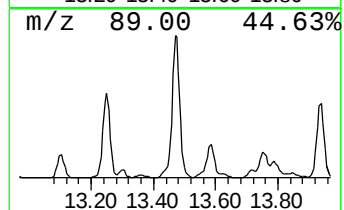
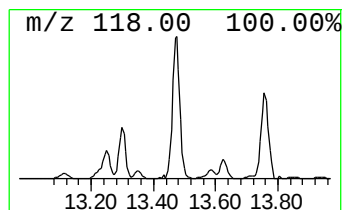
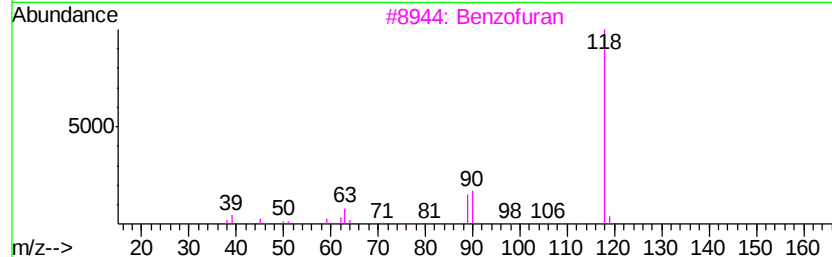
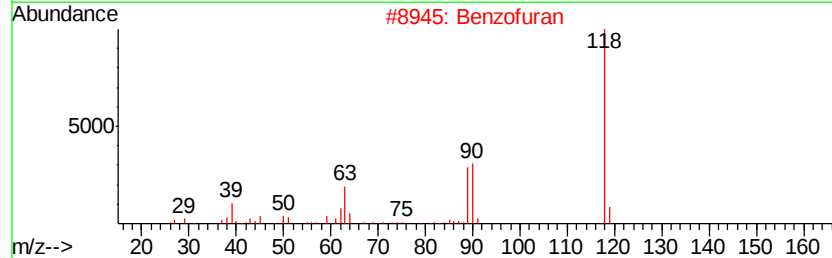
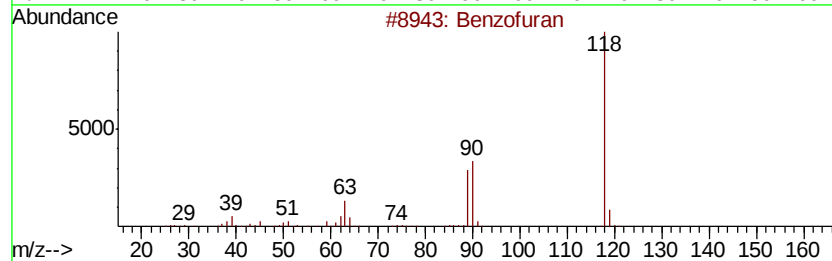
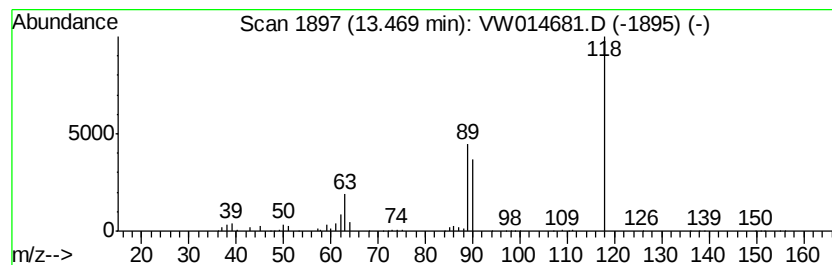
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 12 Benzofuran Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	5.10 ug/L	3733540	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran	118	C8H6O	000271-89-6	91
2		Benzofuran	118	C8H6O	000271-89-6	91
3		Benzofuran	118	C8H6O	000271-89-6	64
4		3-Pyridineacetonitrile	118	C7H6N2	006443-85-2	28
5		1H-Benzimidazole	118	C7H6N2	000051-17-2	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

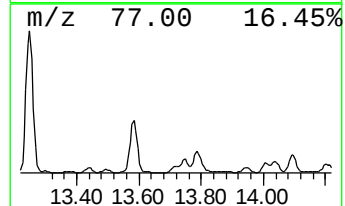
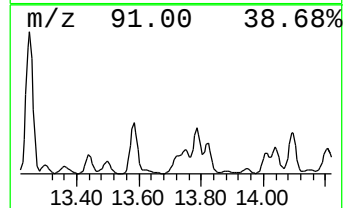
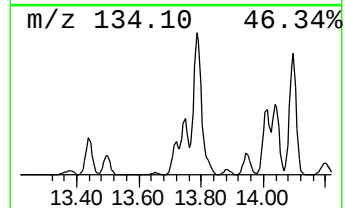
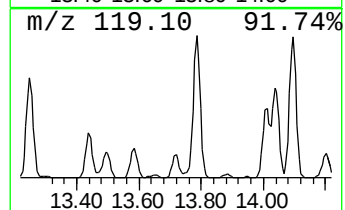
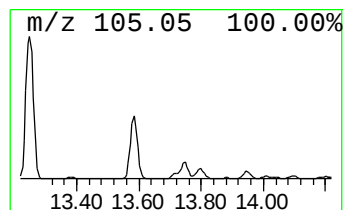
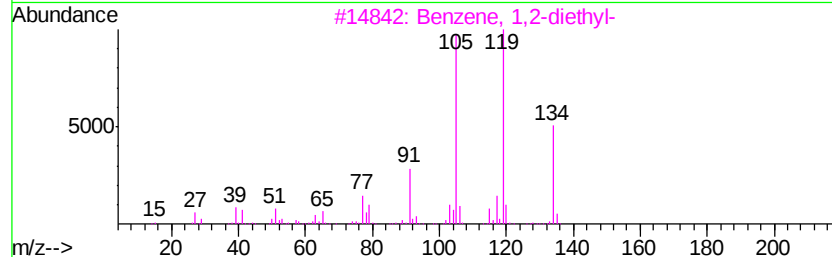
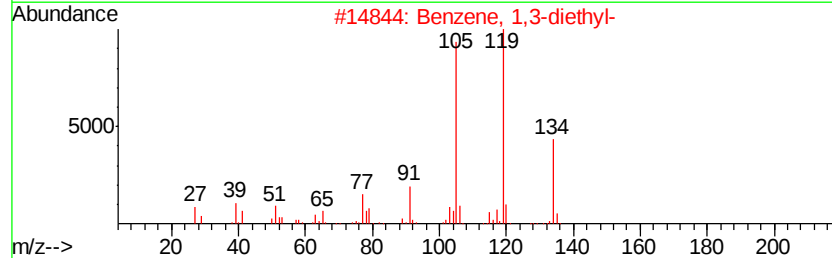
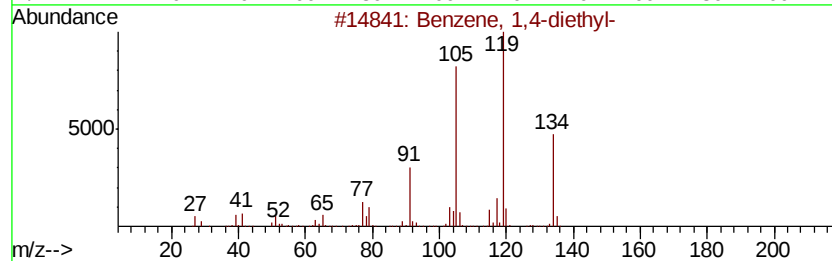
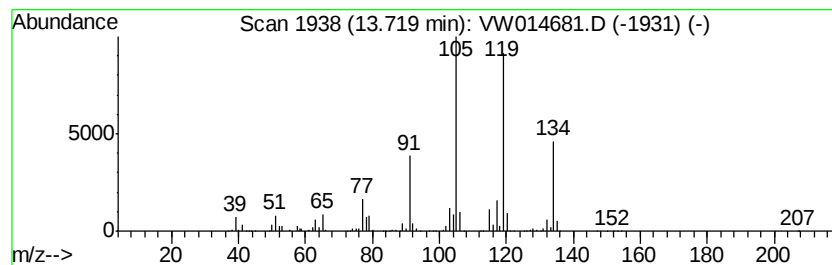
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1,4-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.09 ug/L	2260260	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

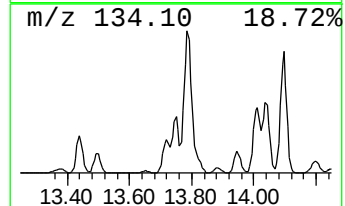
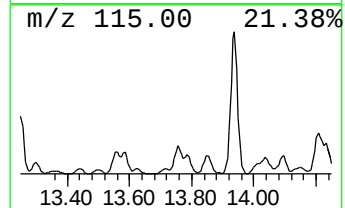
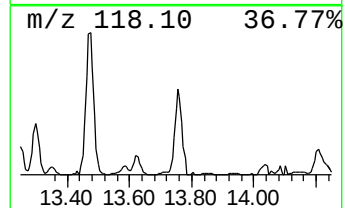
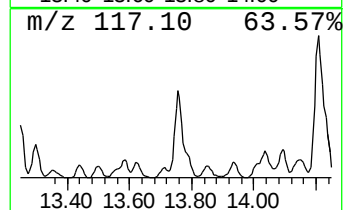
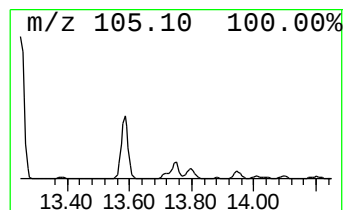
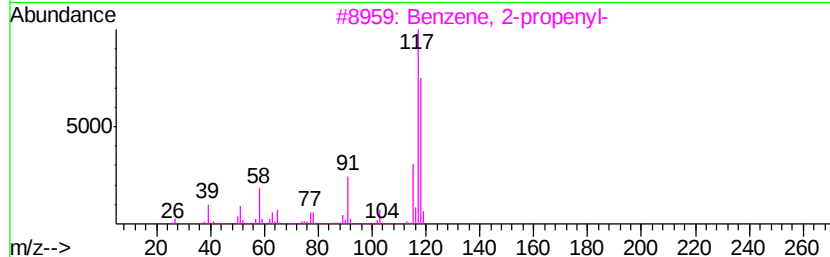
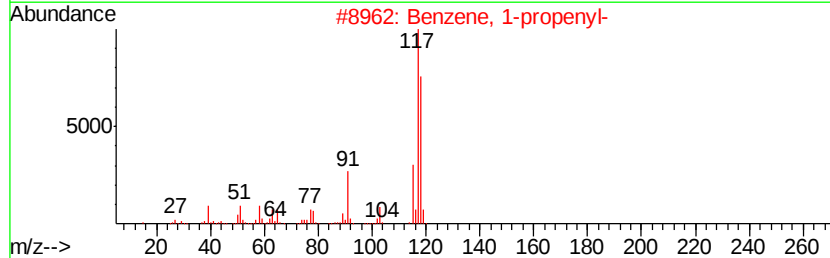
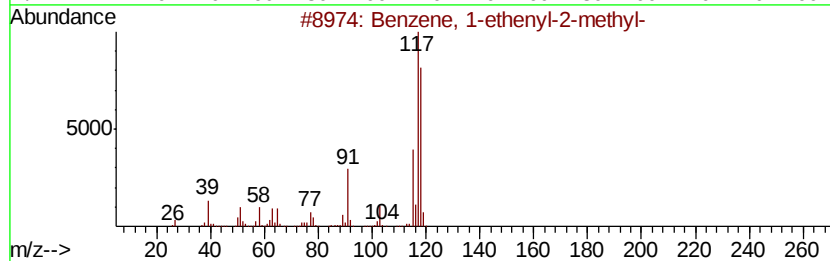
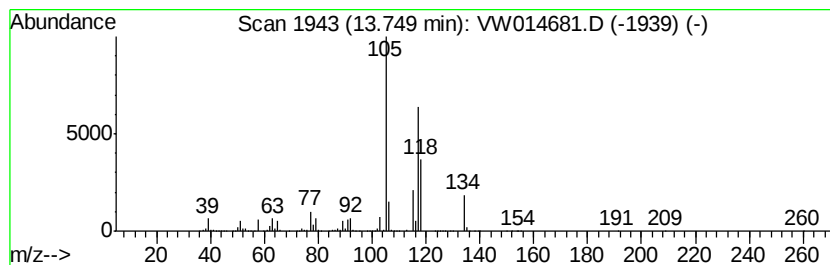
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethenyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	8.62 ug/L	6306120	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	49
2			Benzene, 1-propenyl-	118	C9H10	000637-50-3	46
3			Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
4			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
5			Benzene, cyclopropyl-	118	C9H10	000873-49-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GASG4

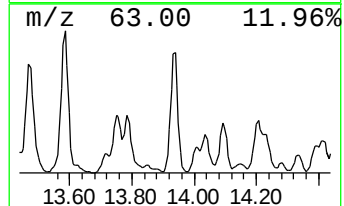
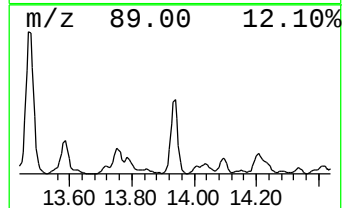
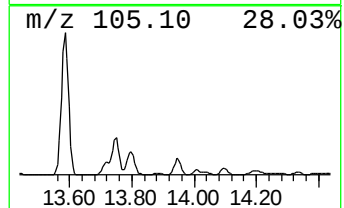
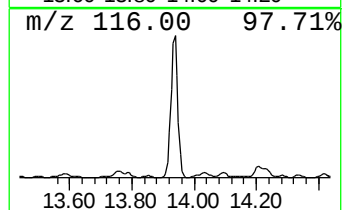
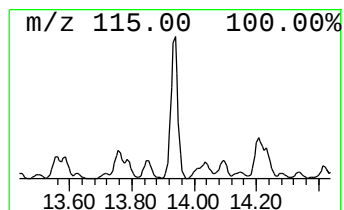
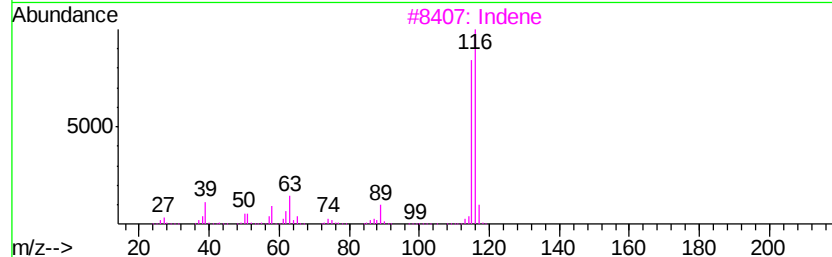
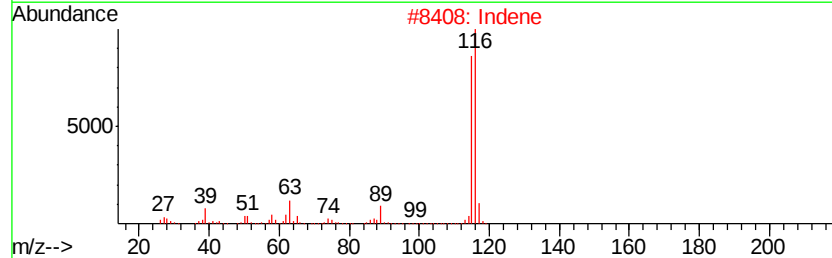
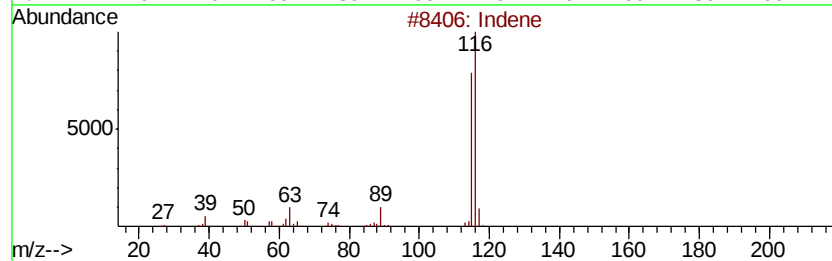
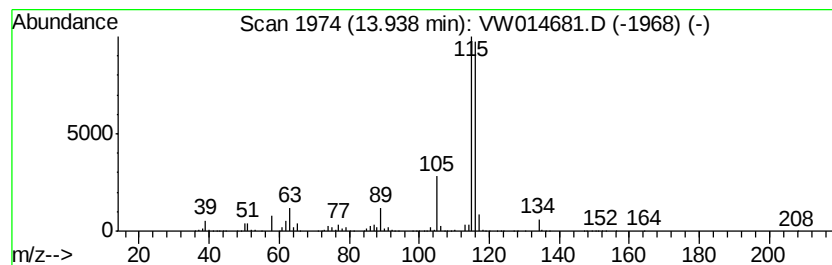
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 16 Indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	8.35 ug/L	6111750	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		Indene	116	C9H8	000095-13-6	94
3		Indene	116	C9H8	000095-13-6	93
4		3-Methylphenylacetylene	116	C9H8	000766-82-5	87
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

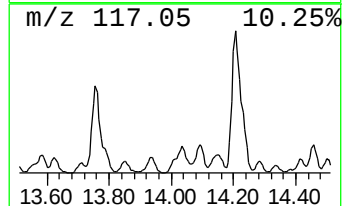
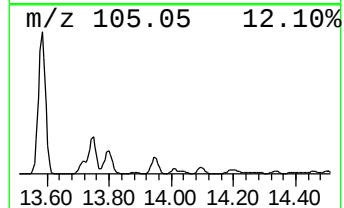
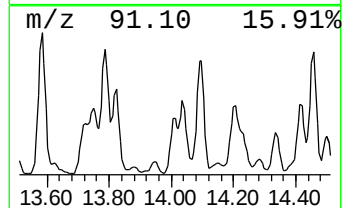
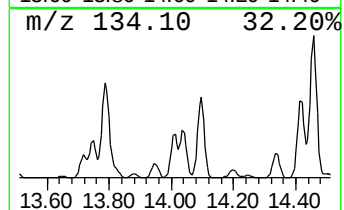
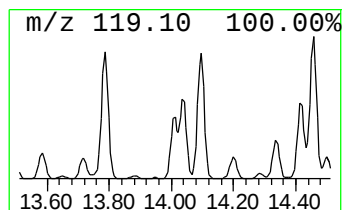
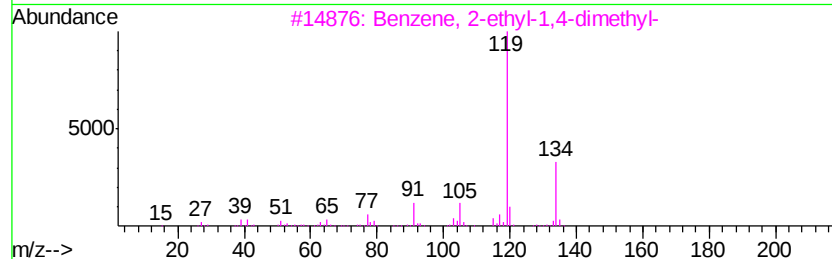
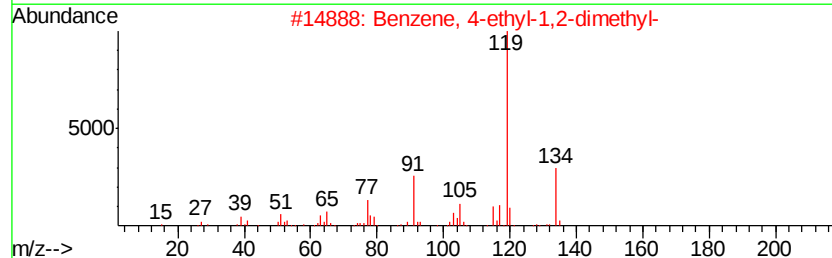
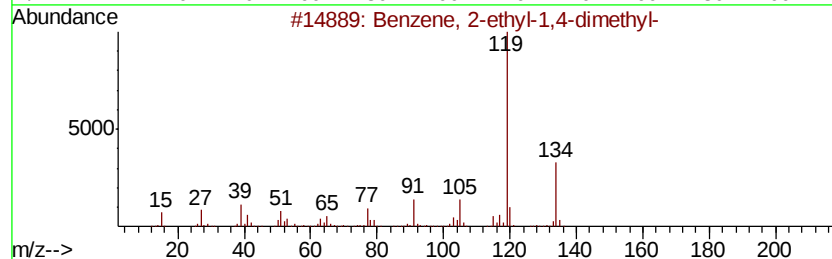
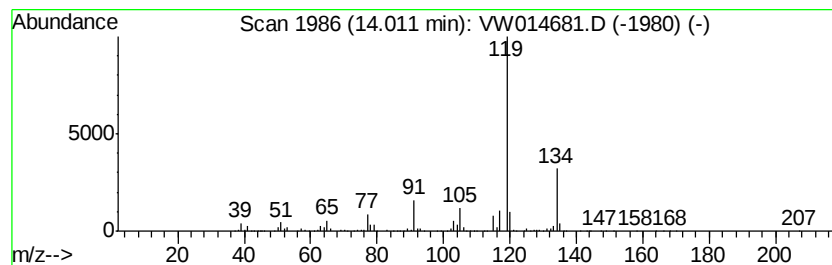
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	5.67 ug/L	4145990	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5			o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

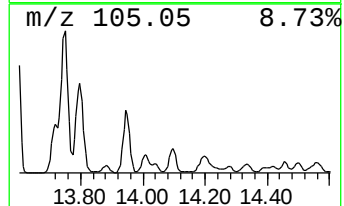
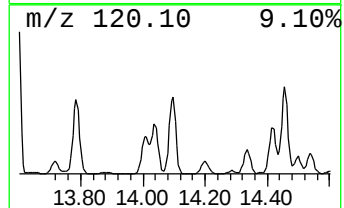
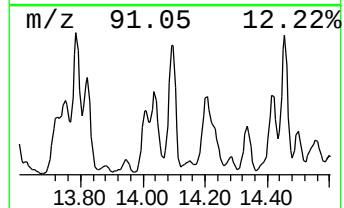
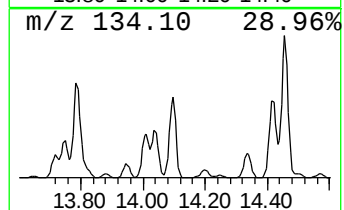
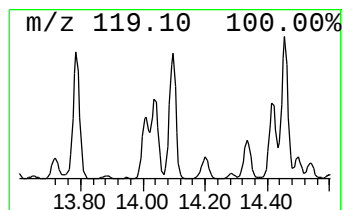
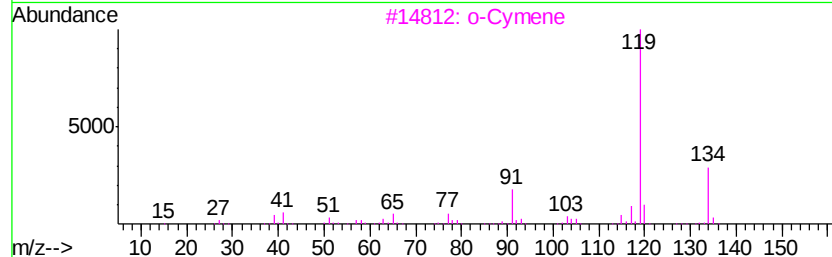
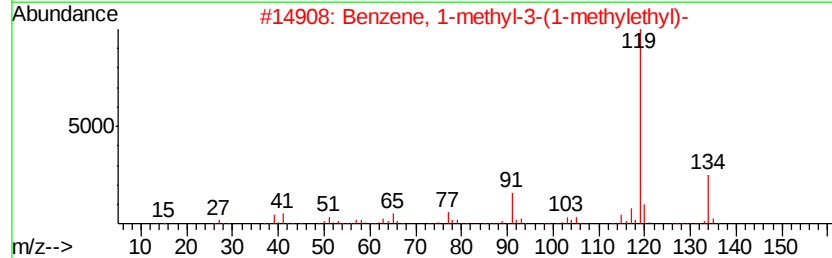
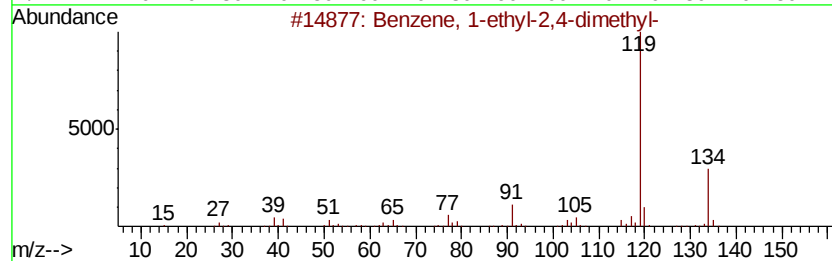
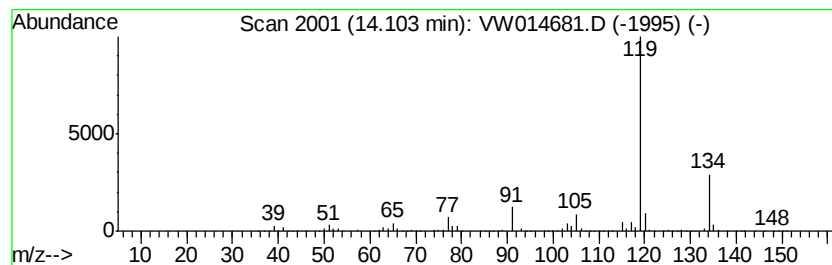
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	9.18 ug/L	6717000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

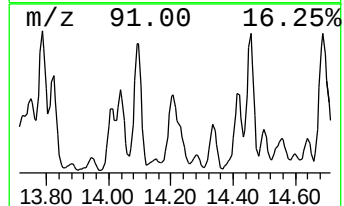
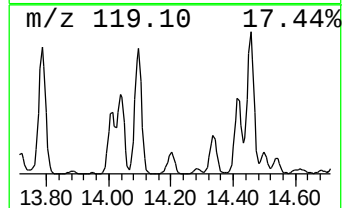
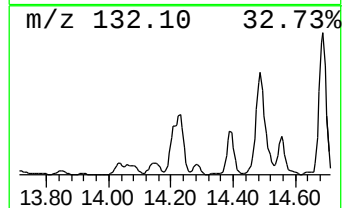
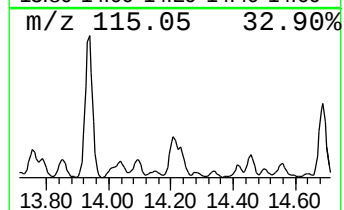
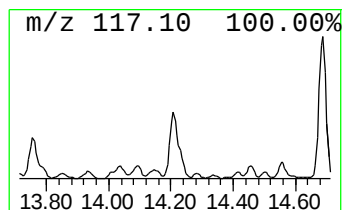
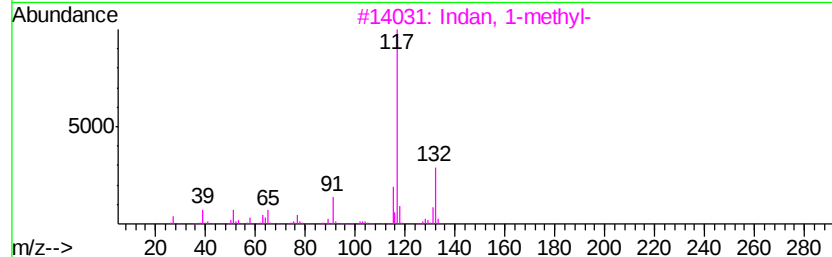
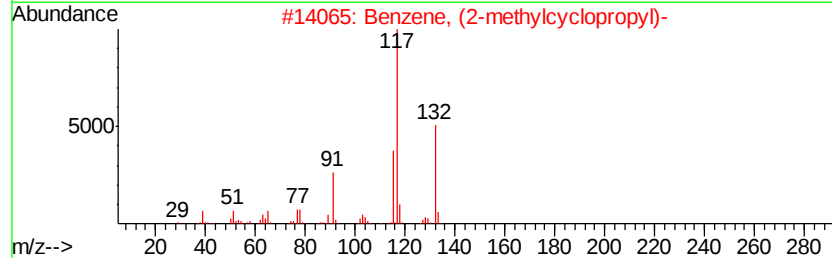
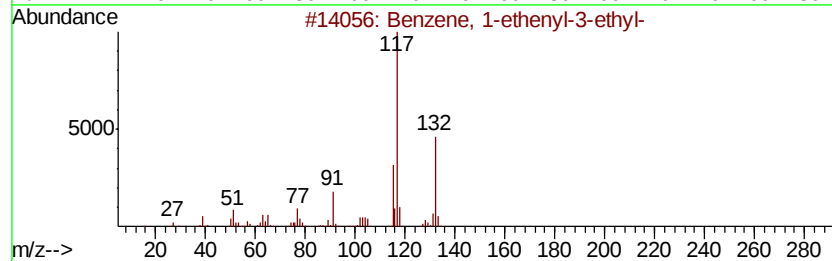
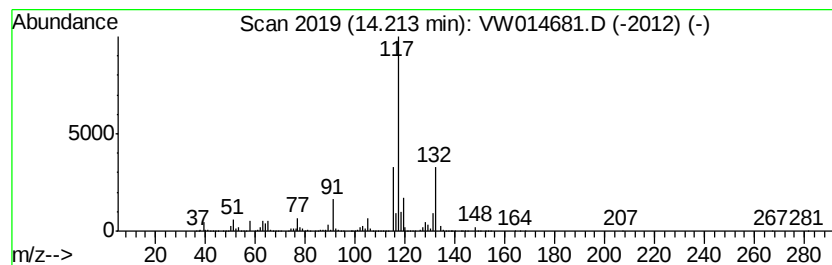
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	10.81 ug/L	7905430	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
2		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
3		Indan, 1-methyl-	132	C10H12	000767-58-8	76
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GASG4

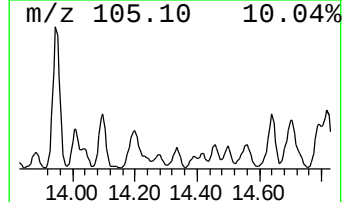
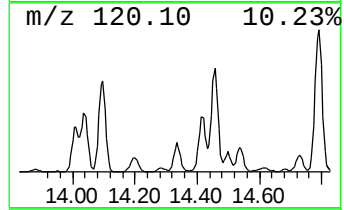
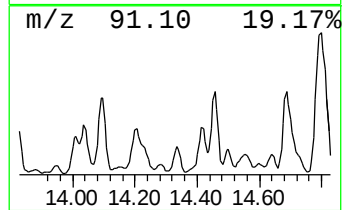
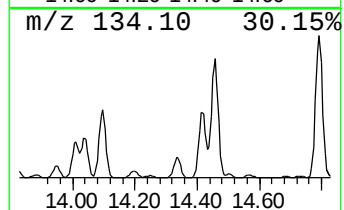
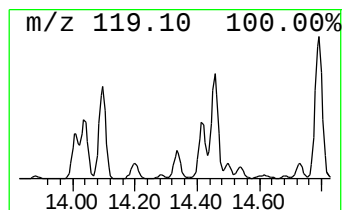
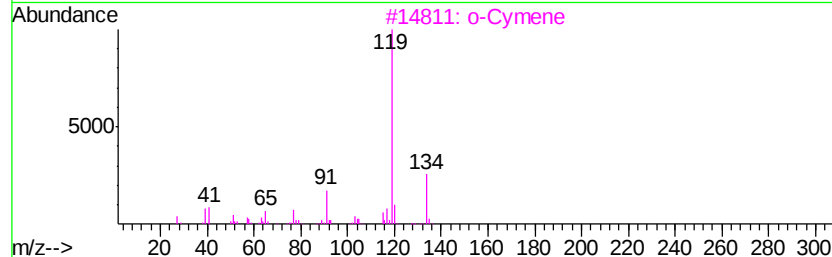
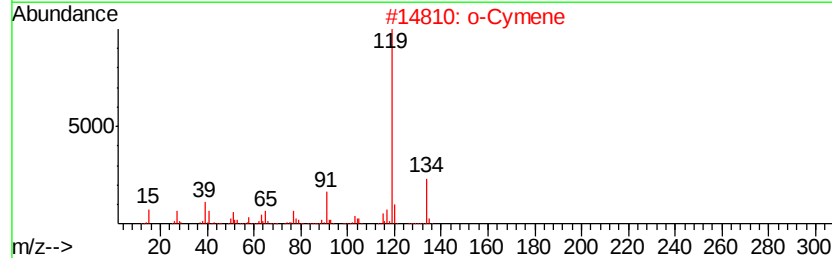
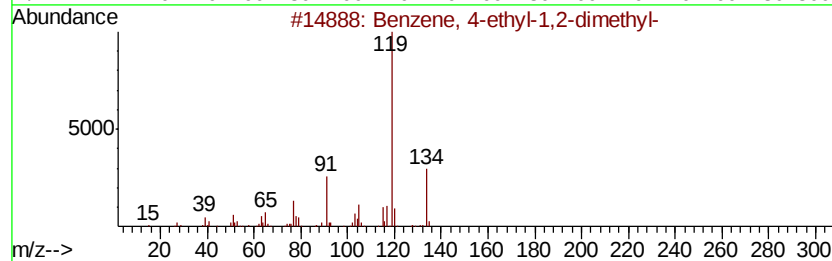
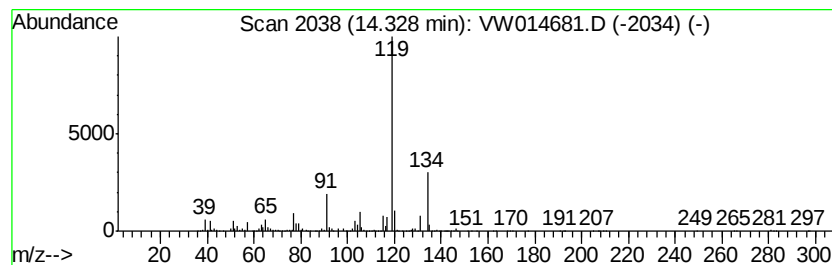
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	3.46 ug/L	2531000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GASG4

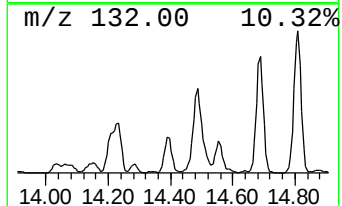
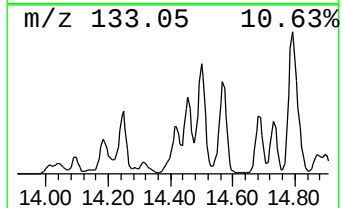
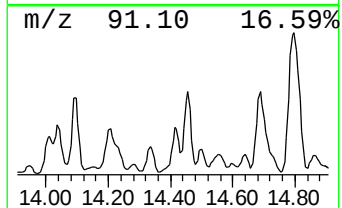
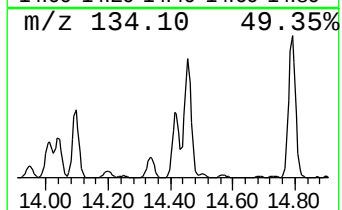
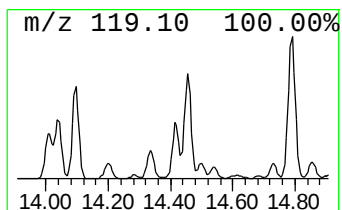
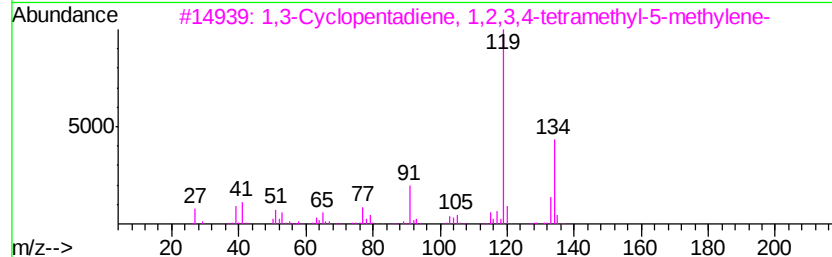
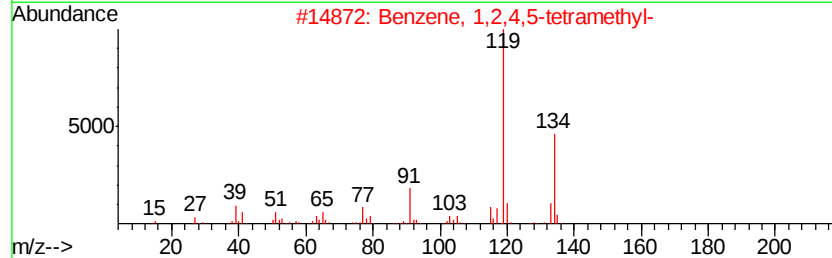
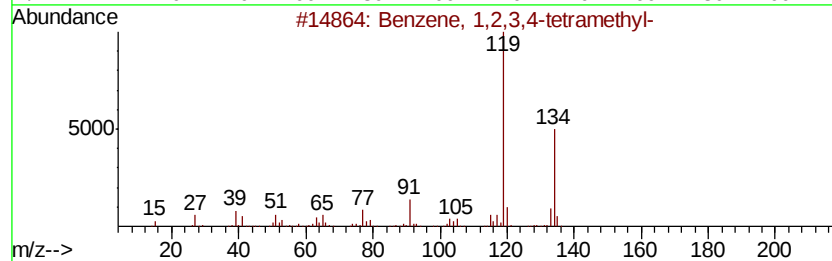
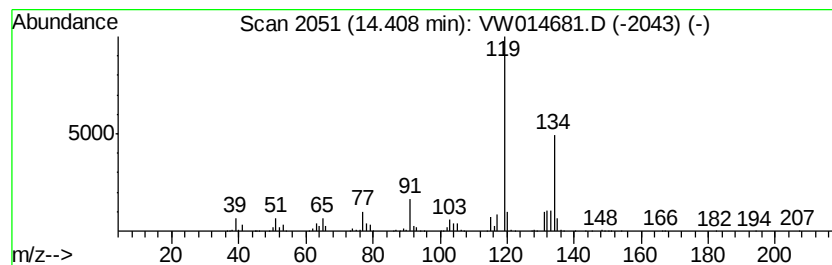
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	8.98 ug/L	6567290	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GASG4

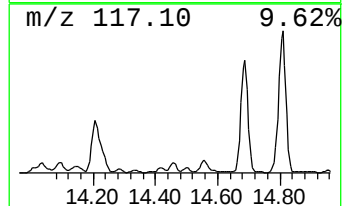
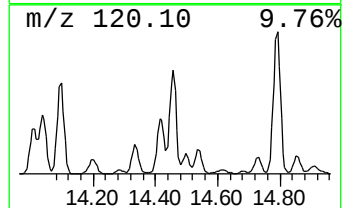
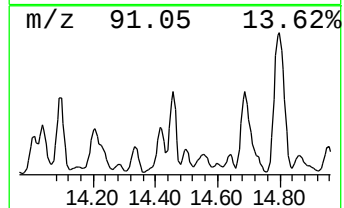
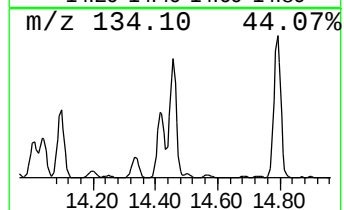
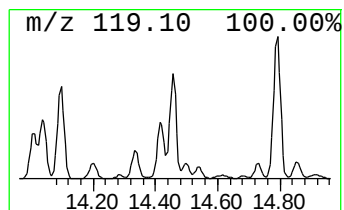
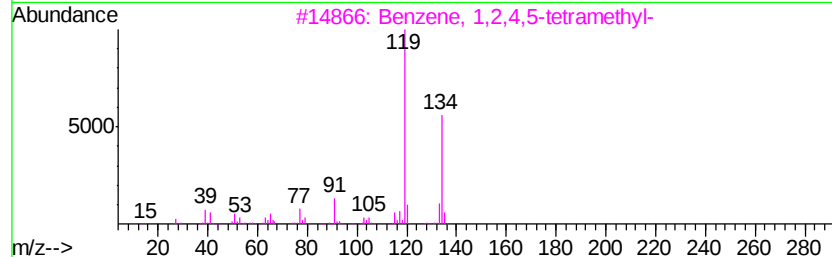
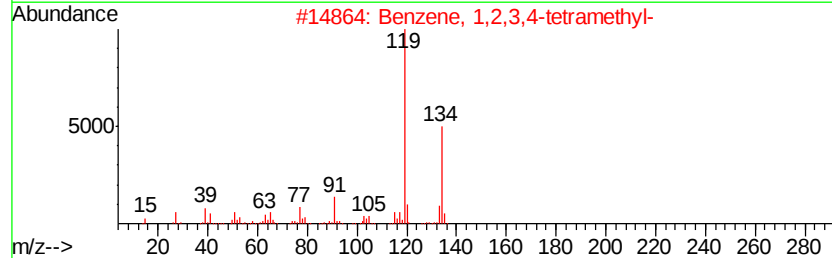
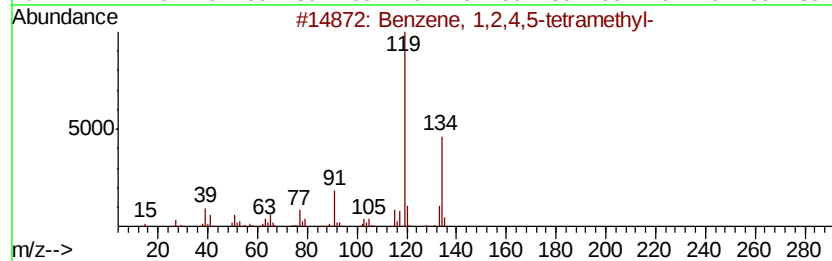
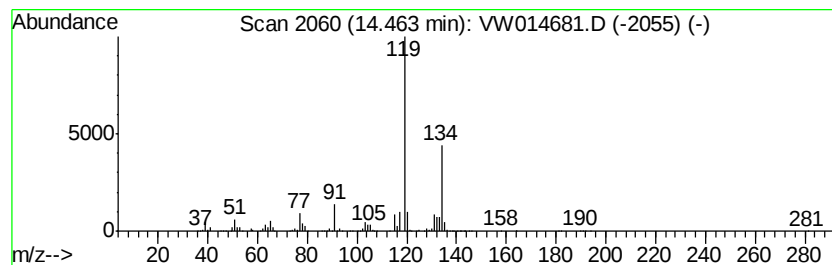
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	8.22 ug/L	6015720	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

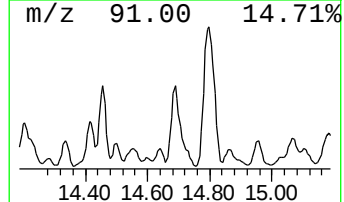
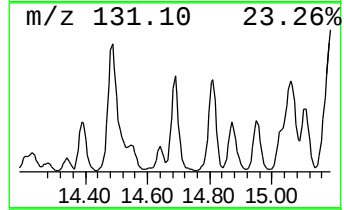
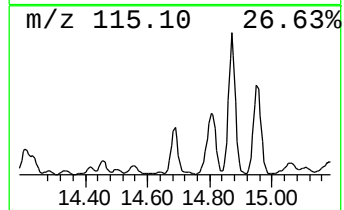
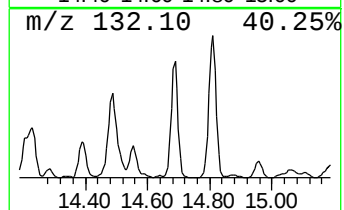
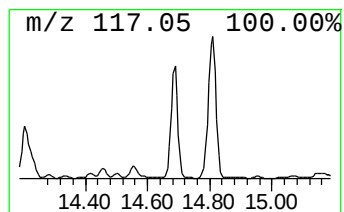
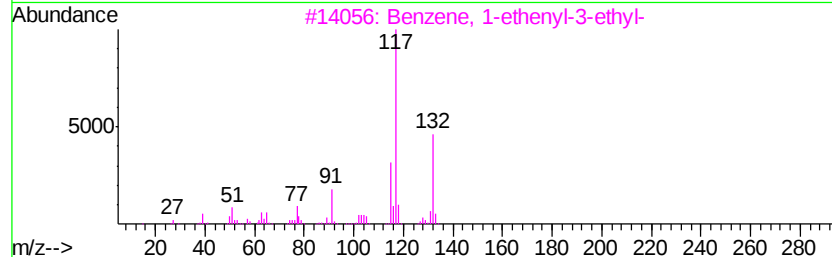
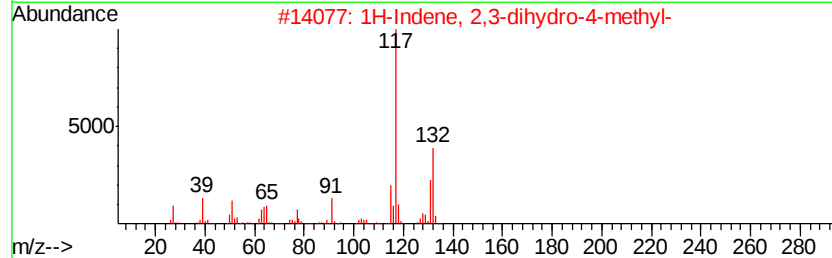
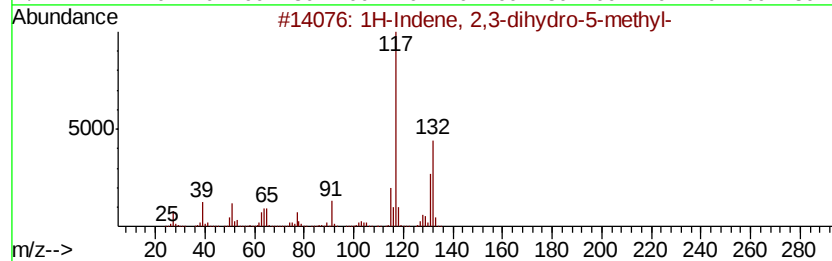
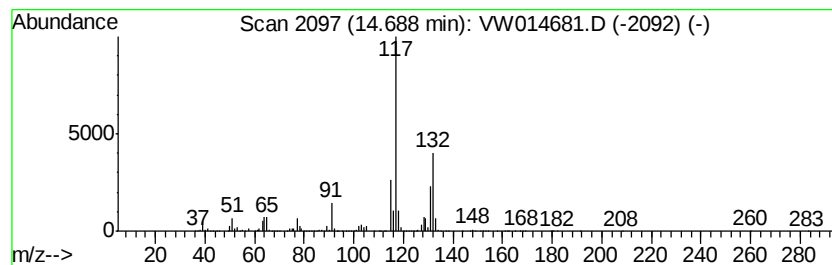
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 25 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	14.94 ug/L	10929100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

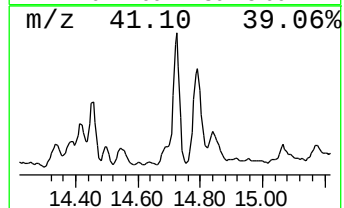
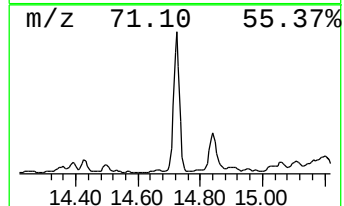
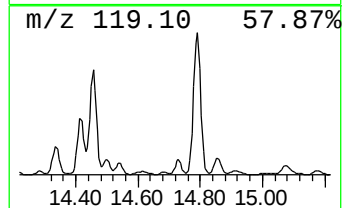
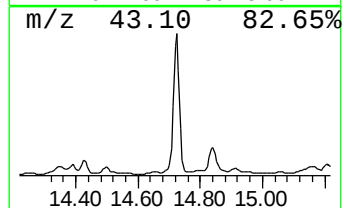
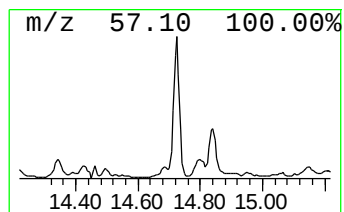
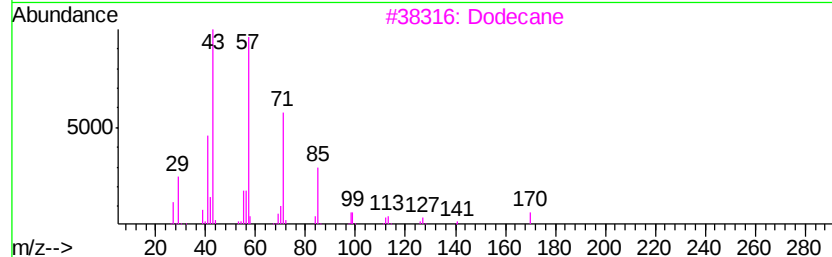
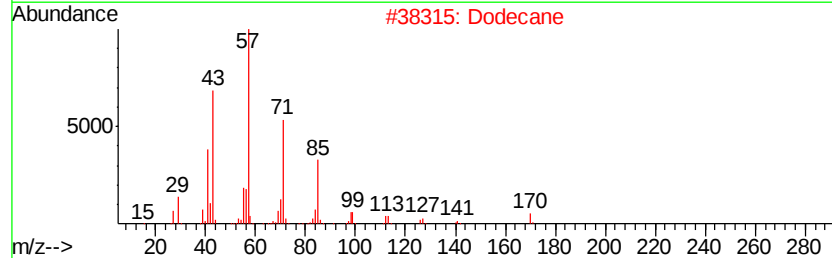
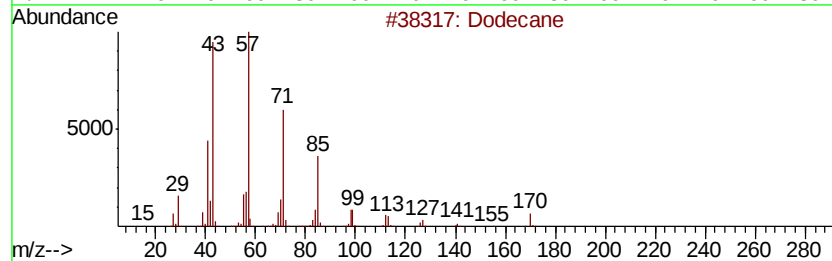
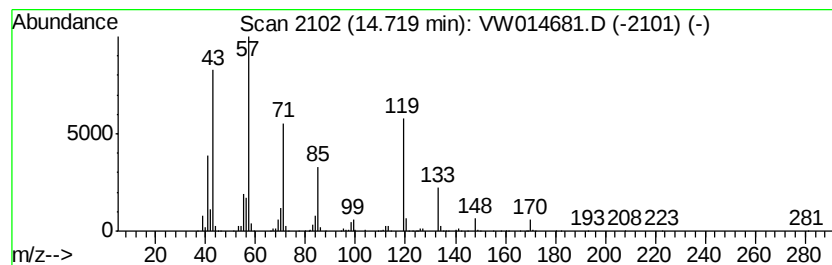
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	4.45 ug/L	3253760	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	92
2		Dodecane	170	C12H26	000112-40-3	78
3		Dodecane	170	C12H26	000112-40-3	52
4		Dodecane	170	C12H26	000112-40-3	51
5		Tetradecane	198	C14H30	000629-59-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

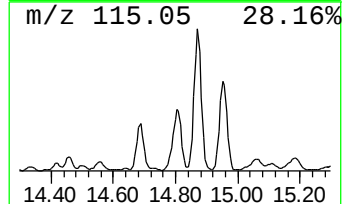
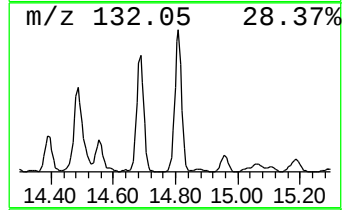
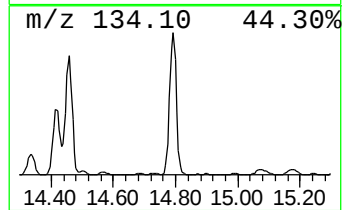
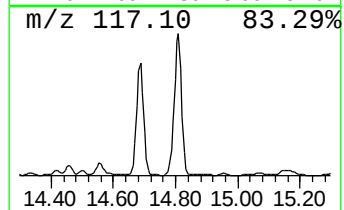
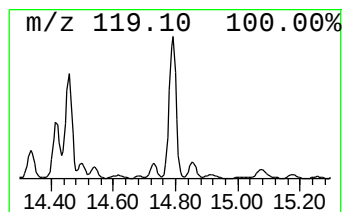
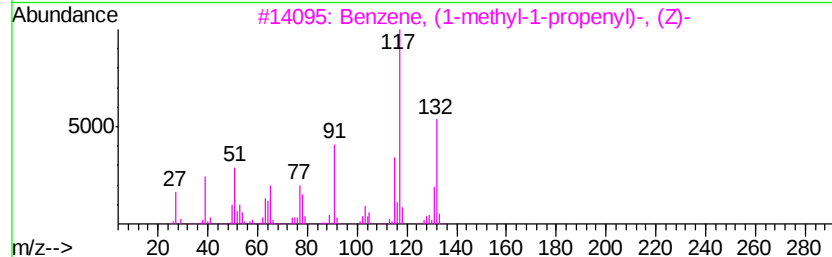
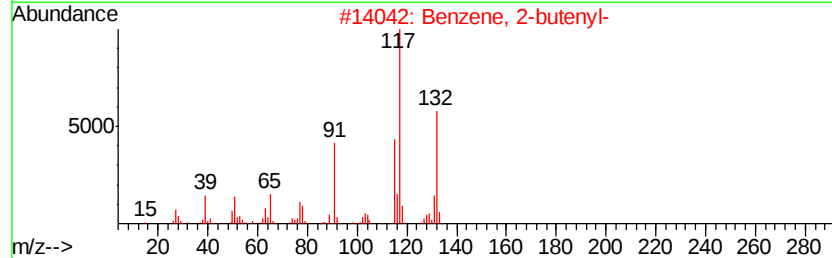
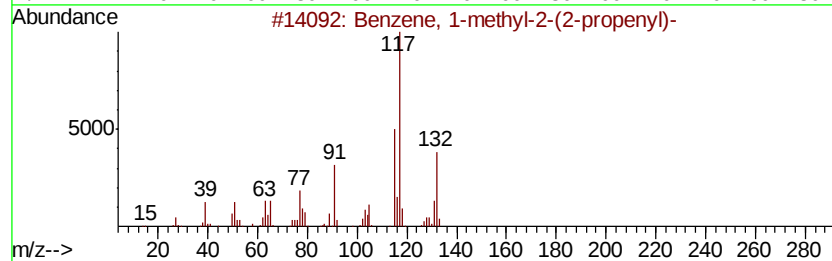
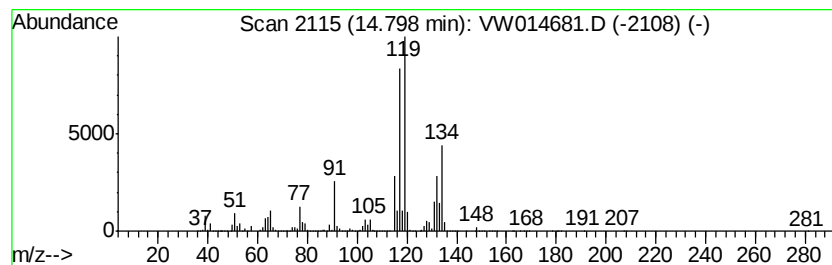
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1-methyl-2-(2-prop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	35.52 ug/L	25986300	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

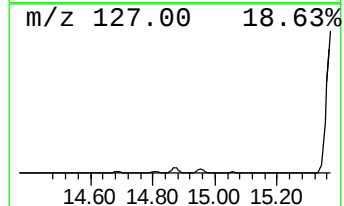
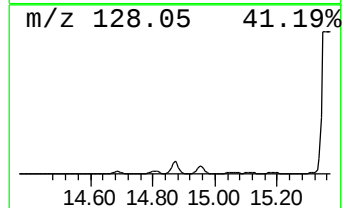
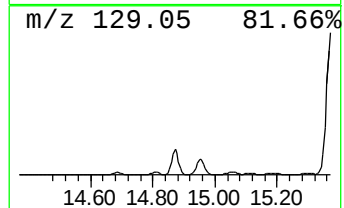
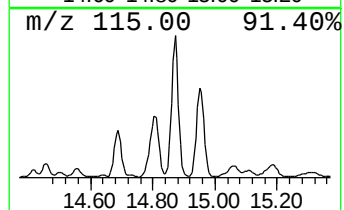
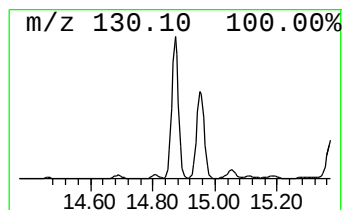
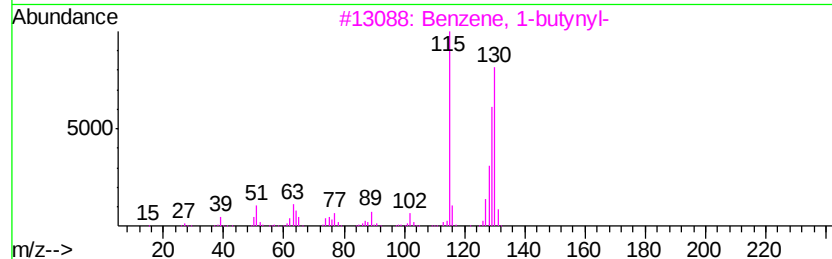
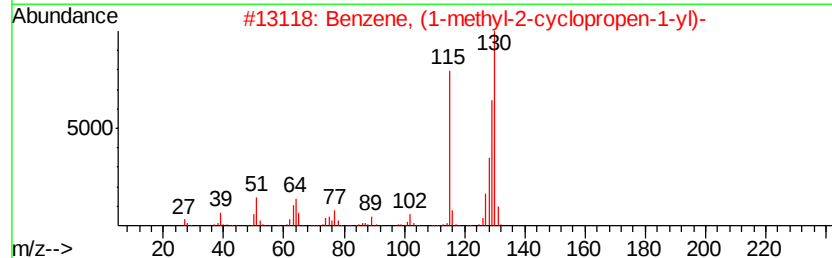
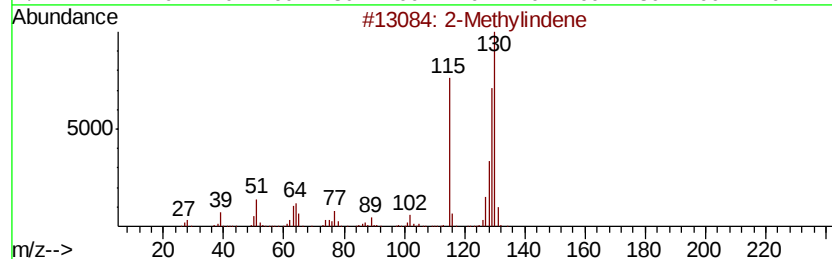
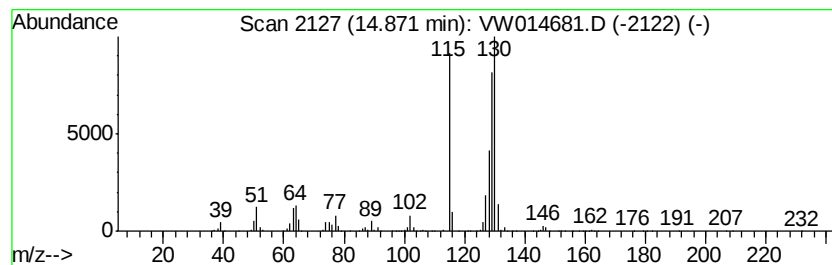
Instrument :
MSVOA_W
ClientSampleId :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 28 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	20.40 ug/L	14922500	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Methylindene	130 C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130 C10H10	065051-83-4	95
3	Benzene, 1-butynyl-	130 C10H10	000622-76-4	95
4	Cycloprop[alindene, 1,1a,6,6a-te...	130 C10H10	015677-15-3	95
5	1,4-Dihydronaphthalene	130 C10H10	000612-17-9	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

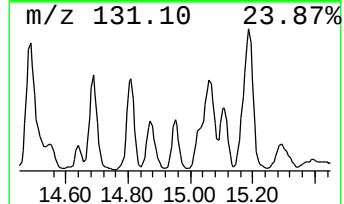
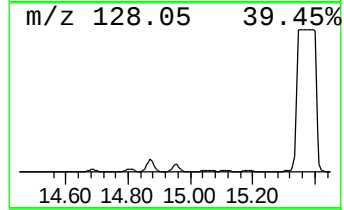
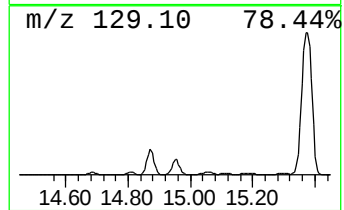
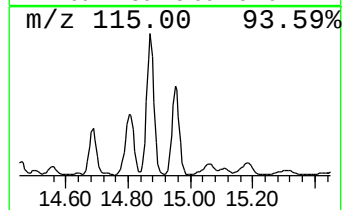
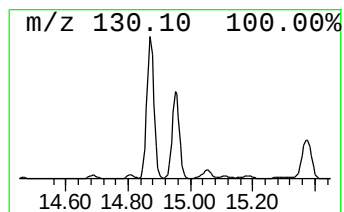
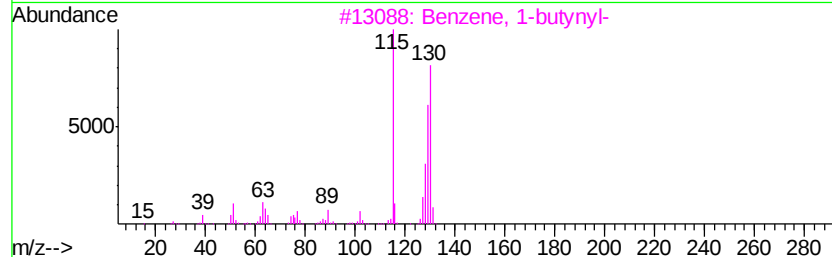
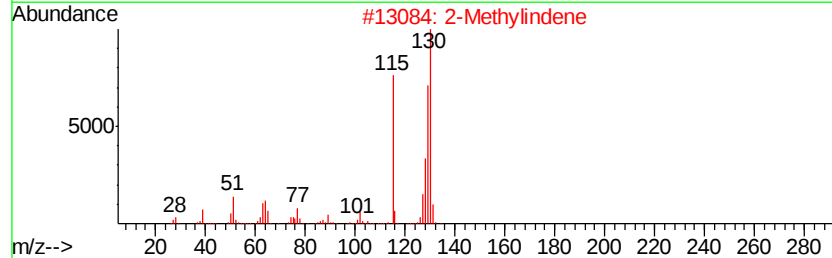
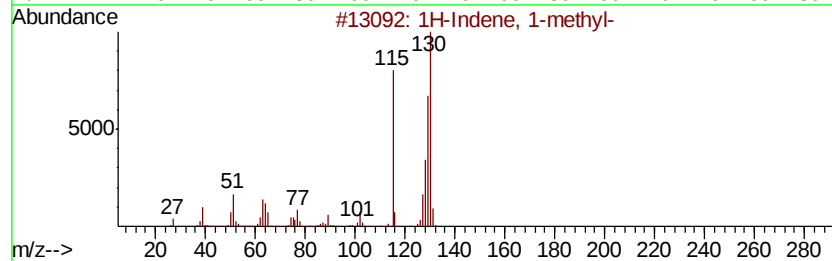
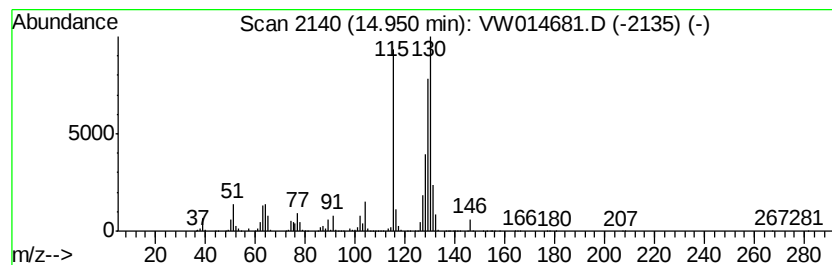
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 29 1H-Indene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	13.45 ug/L	9842410	1,4-Dichlorobenzene-d4	13.55

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	95
3		Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

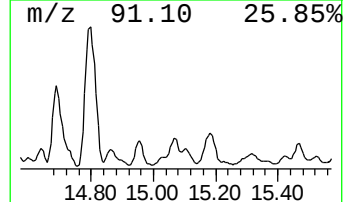
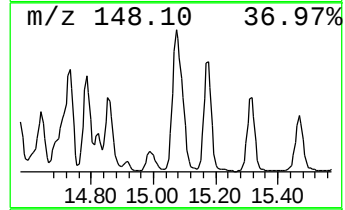
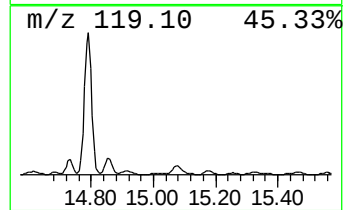
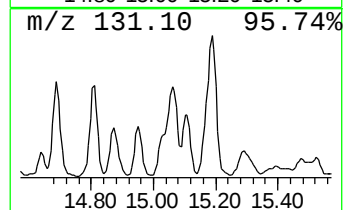
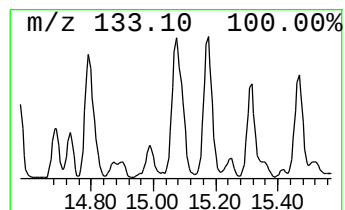
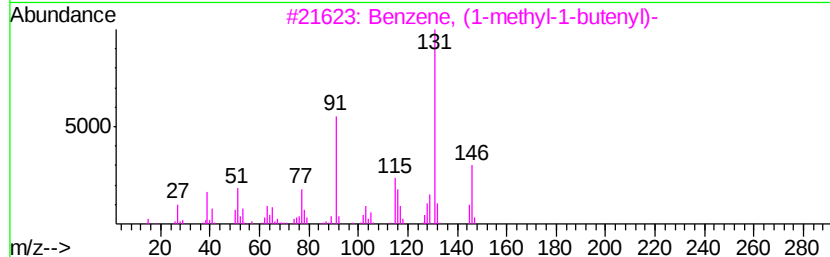
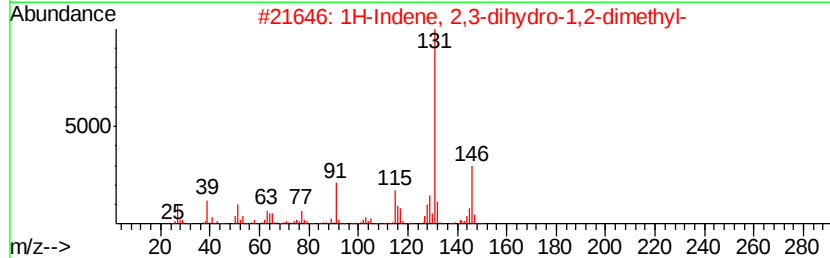
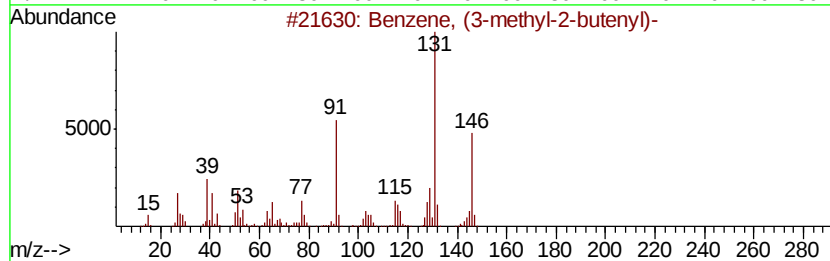
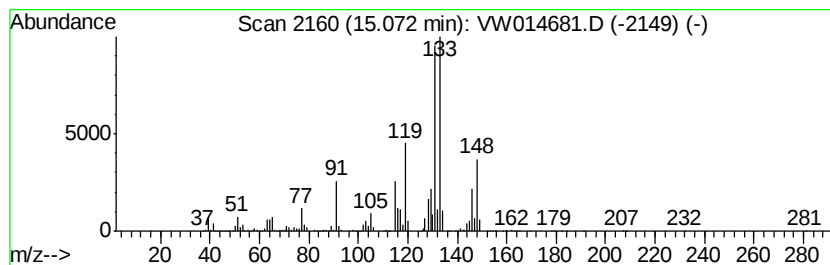
Instrument :
MSVOA_W
ClientSampleId :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 30 Benzene, (3-methyl-2-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	8.38 ug/L	6127510	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 50
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 50
3		Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2 46
4		Benzene, (1,2-dimethyl-1-propenyl)-	146 C11H14	000769-57-3 41
5		Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5 41



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

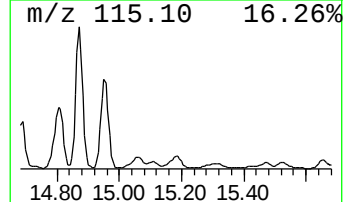
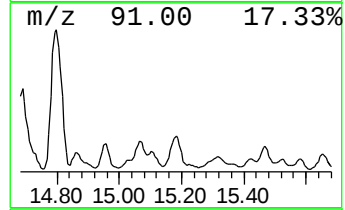
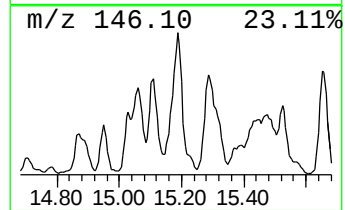
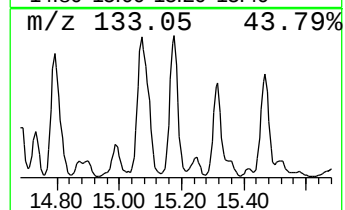
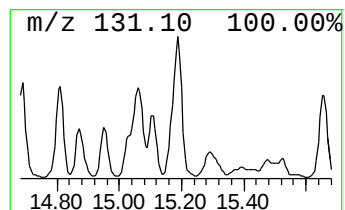
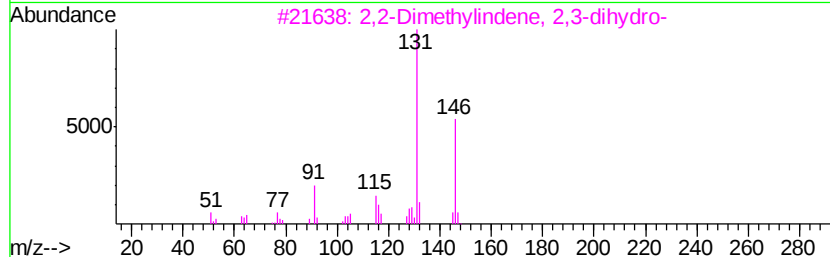
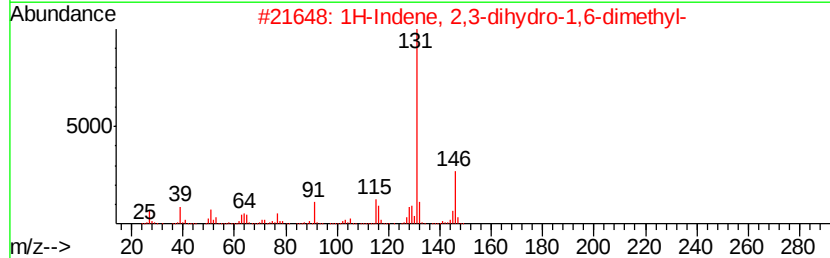
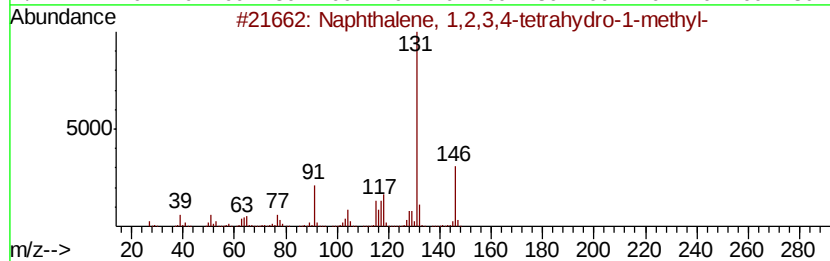
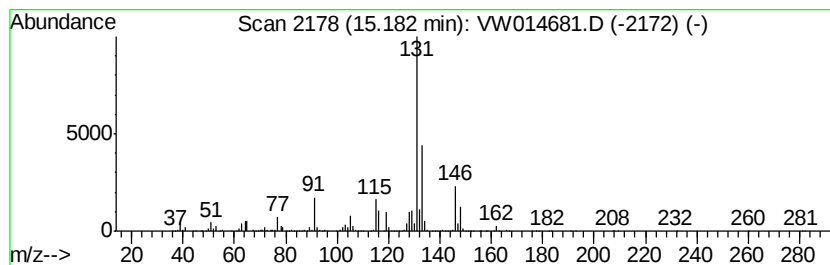
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 31 Naphthalene, 1,2,3,4-tetra... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	7.51 ug/L	5494500	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

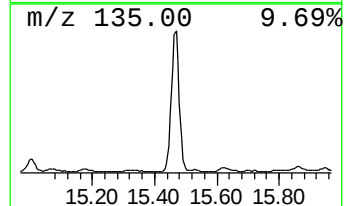
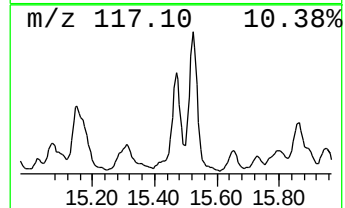
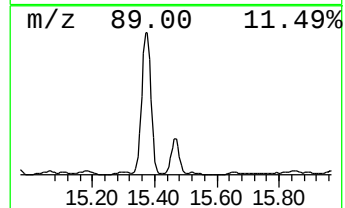
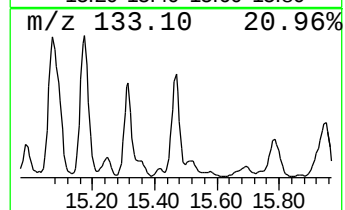
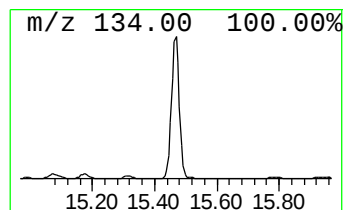
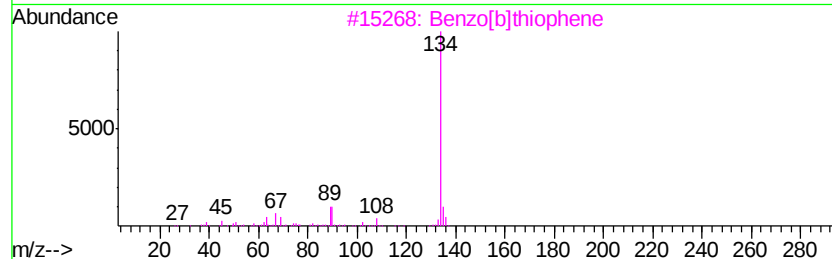
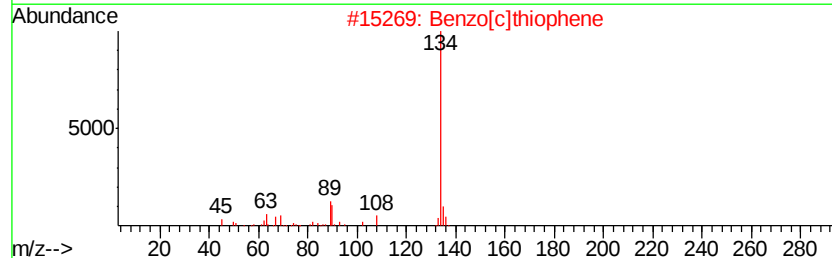
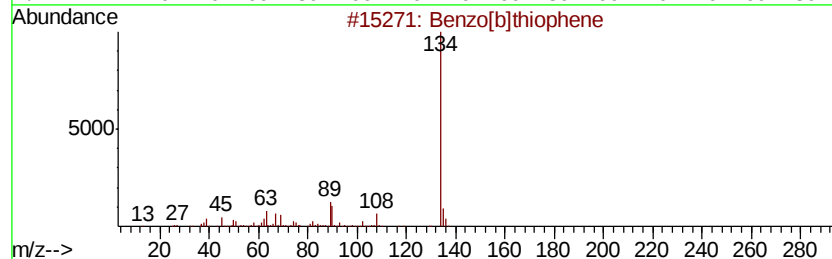
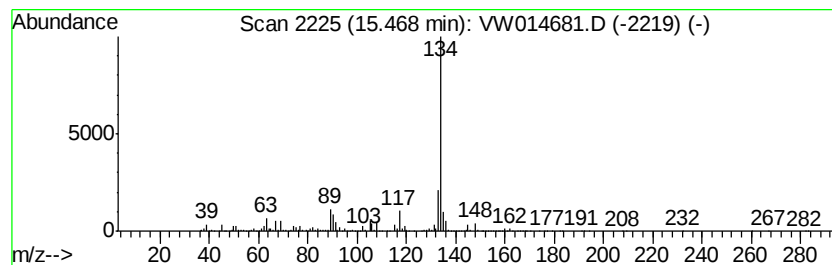
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 33 Benzo[b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.29 ug/L	6799570	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2		Benzo[c]thiophene	134	C8H6S	000270-82-6	93
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	93
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	76
5		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

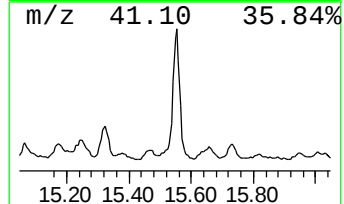
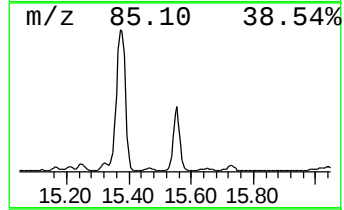
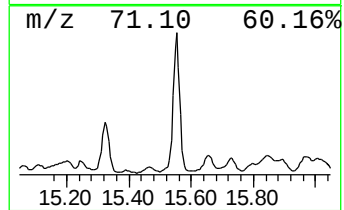
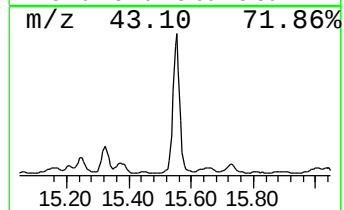
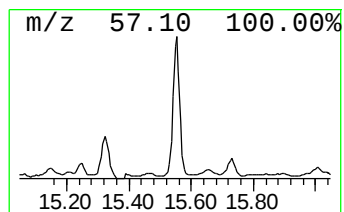
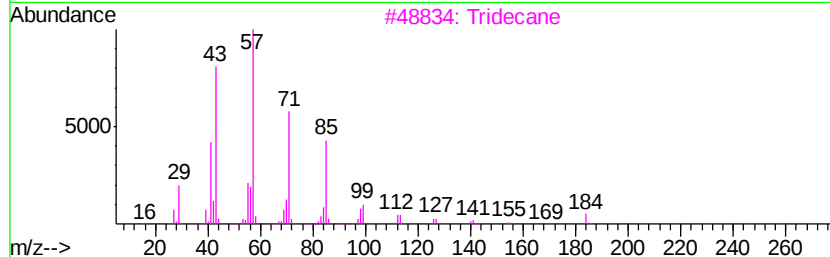
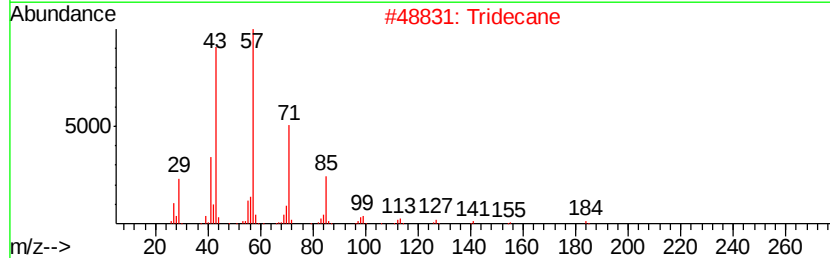
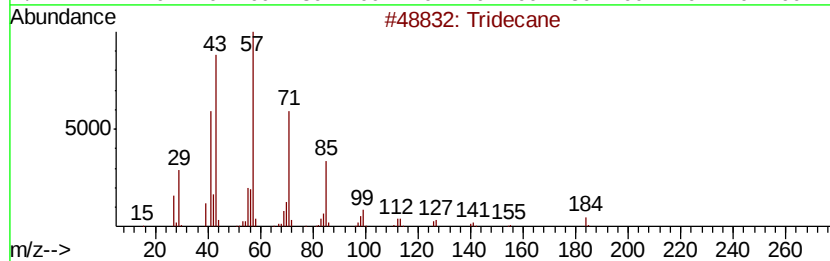
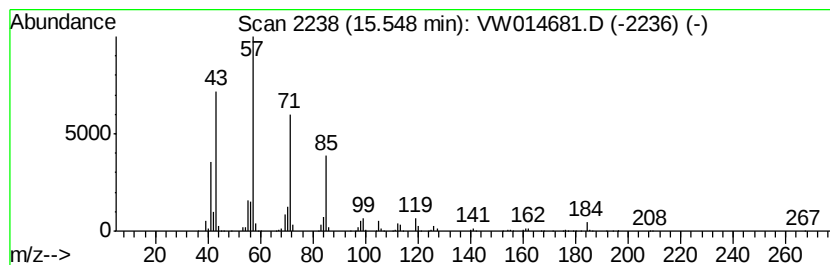
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	5.72 ug/L	4182360	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	93
2			Tridecane	184	C13H28	000629-50-5	93
3			Tridecane	184	C13H28	000629-50-5	91
4			Tridecane	184	C13H28	000629-50-5	87
5			Dodecane	170	C12H26	000112-40-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

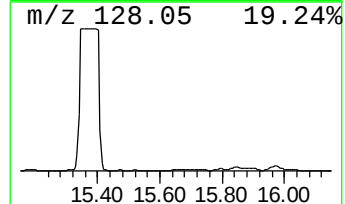
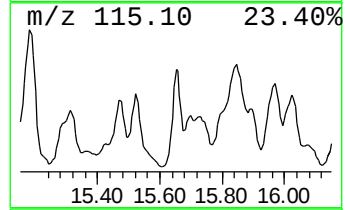
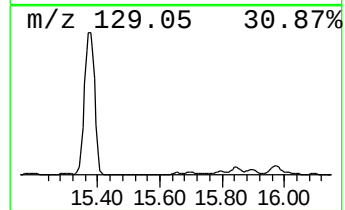
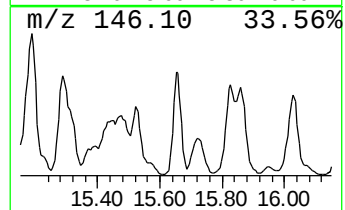
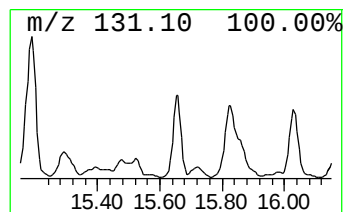
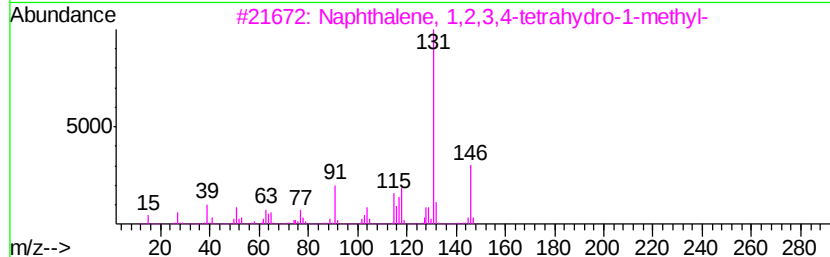
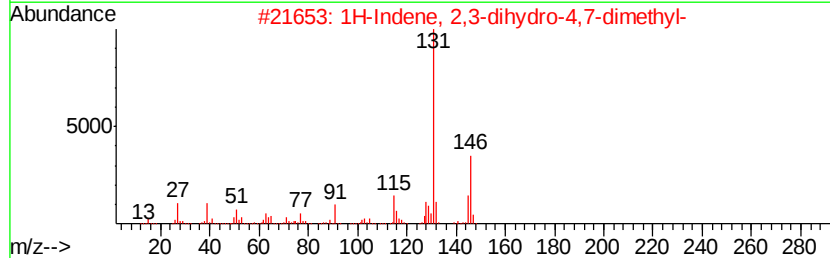
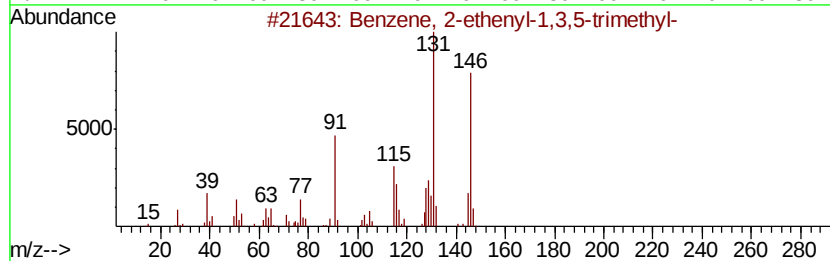
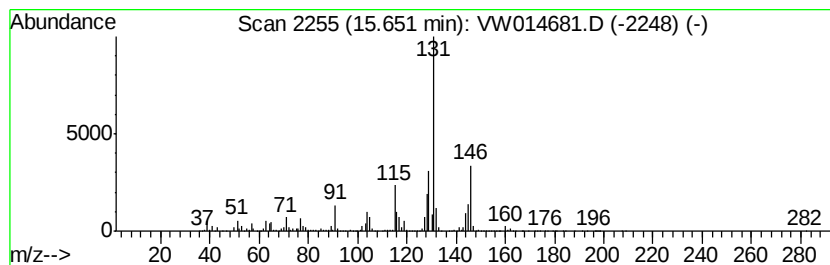
Instrument :
MSVOA_W
ClientSampleId :
GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	5.93 ug/L	4341590	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5 83
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9 76
3		Naphthalene, 1,2,3,4-tetrahydro...	146 C11H14	001559-81-5 72
4		1H-Indene, 2,3-dihydro-5,6-dimet...	146 C11H14	001075-22-5 68
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9 68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

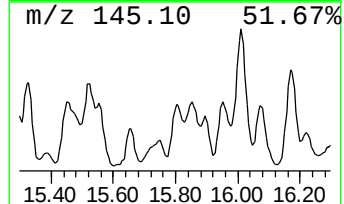
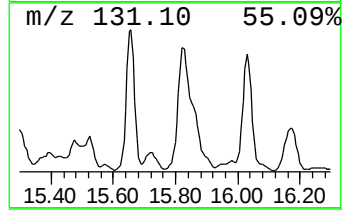
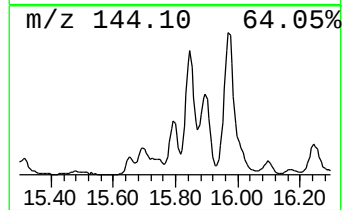
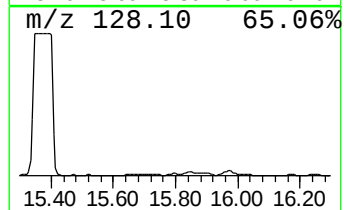
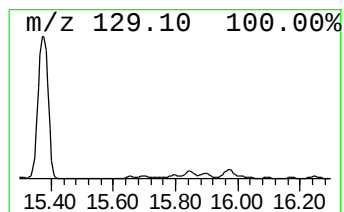
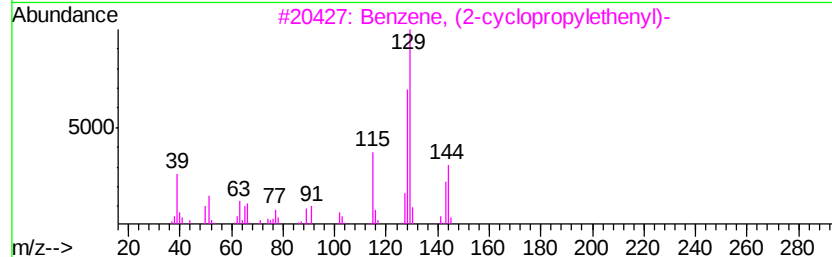
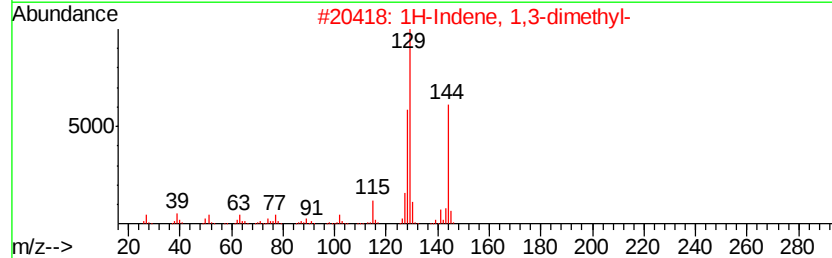
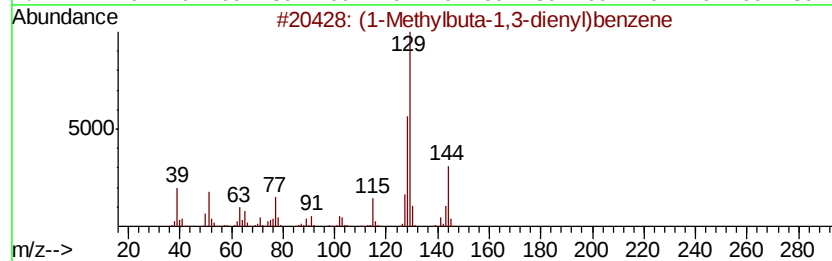
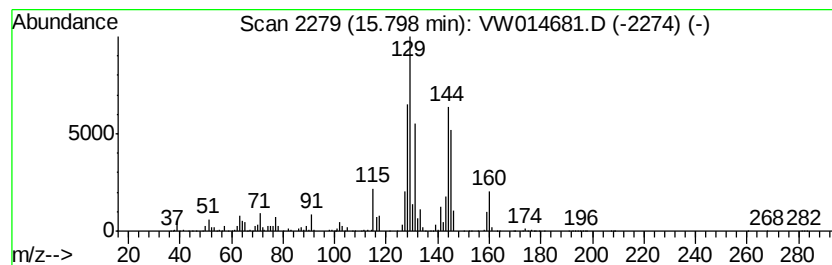
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 36 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	1.87 ug/L	1368140	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	60
2			1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	60
3			Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	60
4			1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	55
5			1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

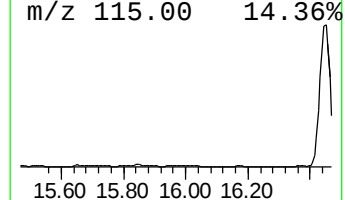
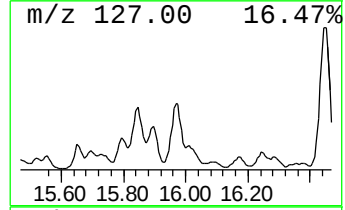
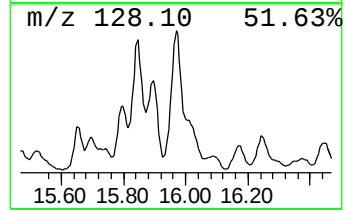
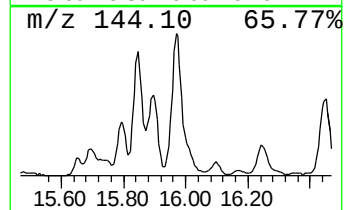
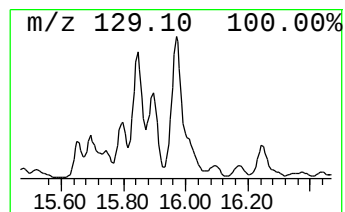
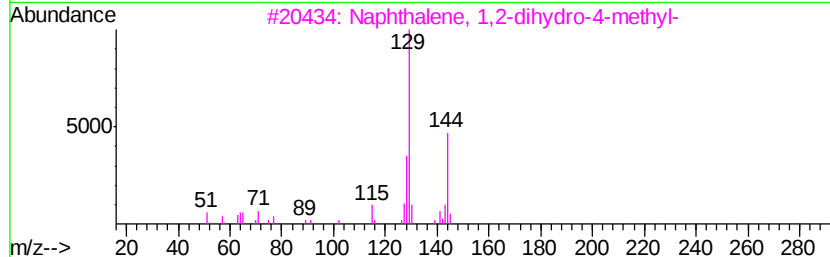
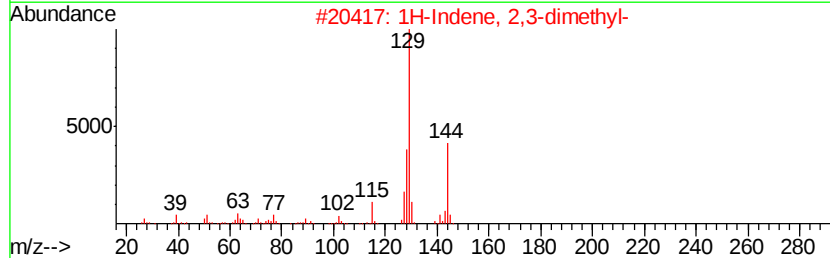
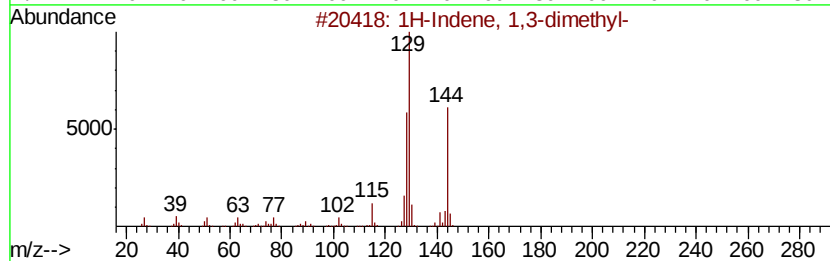
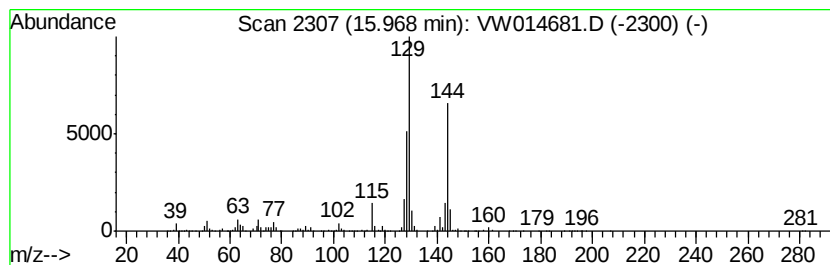
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 37 1H-Indene, 1,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	6.17 ug/L	4512060	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2			1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	94
3			Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	94
4			1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
5			1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

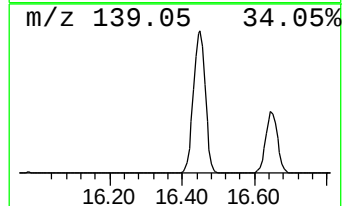
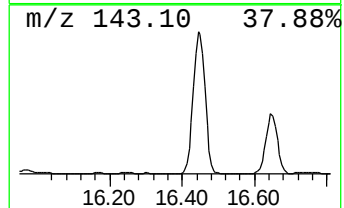
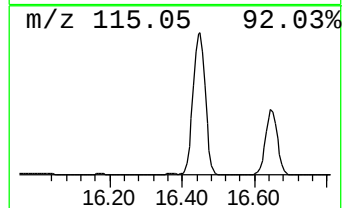
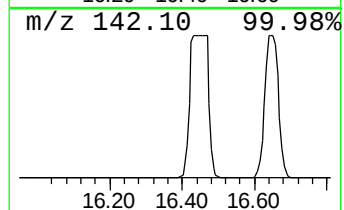
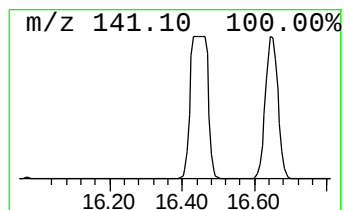
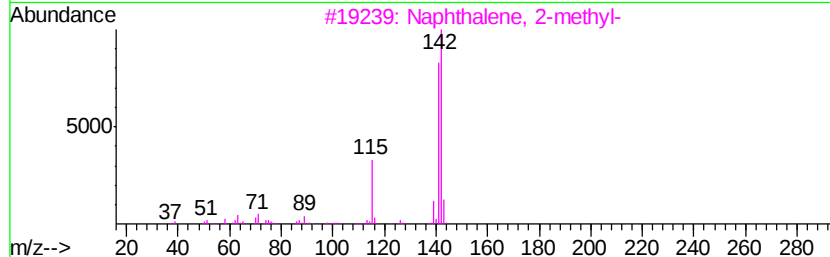
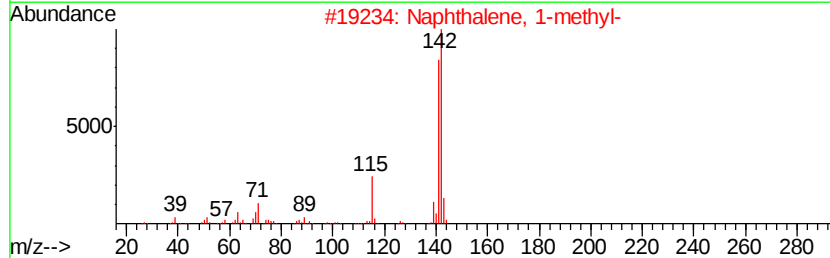
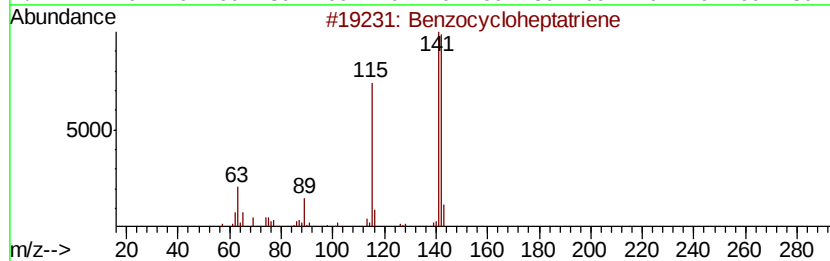
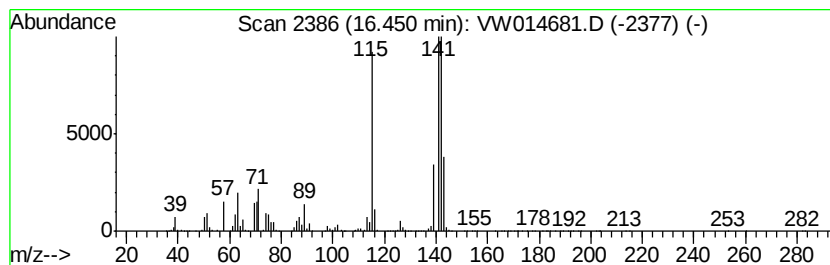
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 38 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	221.24 ug/L	161848000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011720\
Data File : VW014681.D
Acq On : 17 Jan 2020 11:49
Operator : SY/VA
Sample : L1109-05
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASG4

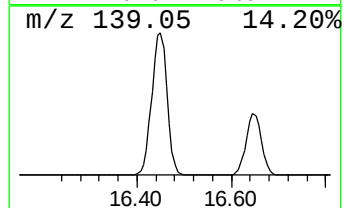
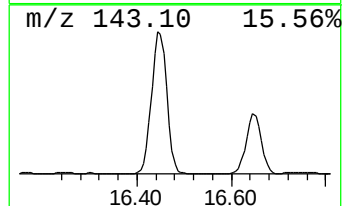
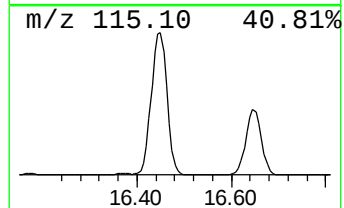
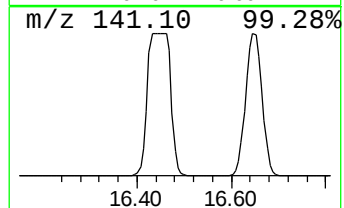
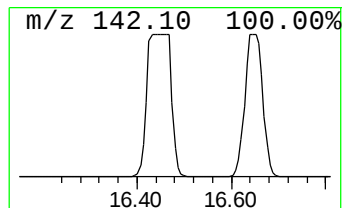
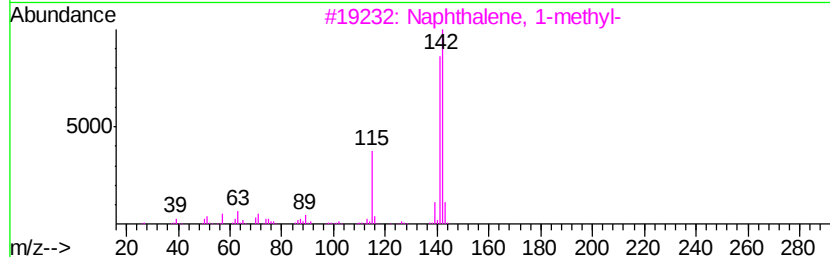
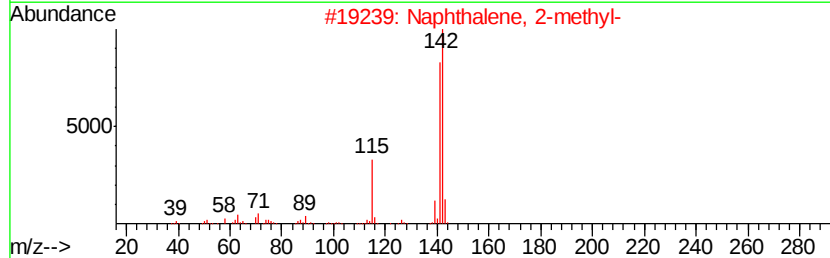
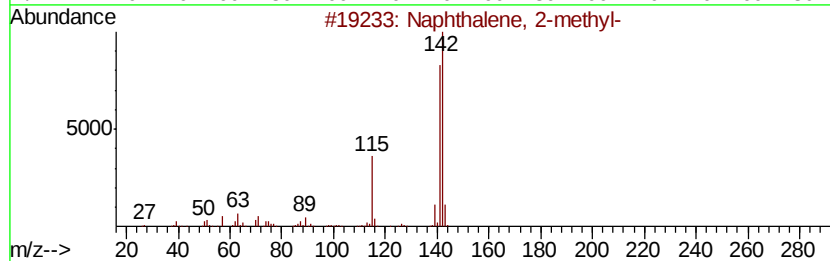
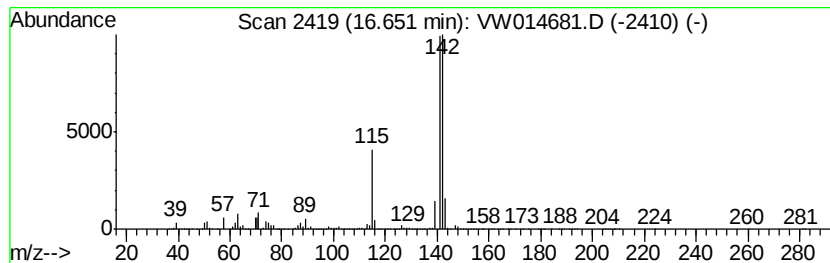
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 39 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	108.74 ug/L	79548200	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011720\
 Data File : VW014681.D
 Acq On : 17 Jan 2020 11:49
 Operator : SY/VA
 Sample : L1109-05
 Misc : 4.99G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.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
Hexanal	11.07	1.3	ug/L	171480	2	11.63	3255350	25.0
Bicyclo[3.3.1]nonane	12.34	4.0	ug/L	528009	2	11.63	3255350	25.0
Benzene, propyl-	12.80	3.5	ug/L	2549010	3	13.55	18288700	25.0
Benzene, 1-ethyl-...	12.87	15.8	ug/L	11584200	3	13.55	18288700	25.0
Benzene, 1-ethyl-...	12.90	6.6	ug/L	4839450	3	13.55	18288700	25.0
Benzene, 1,1'-(1-...	13.30	1.6	ug/L	1186870	3	13.55	18288700	25.0
Benzene, 1-methyl...	13.44	3.9	ug/L	2869470	3	13.55	18288700	25.0
Benzofuran	13.47	5.1	ug/L	3733540	3	13.55	18288700	25.0
Benzene, 1,4-diet...	13.72	3.1	ug/L	2260260	3	13.55	18288700	25.0
Benzene, 1-etheny...	13.75	8.6	ug/L	6306120	3	13.55	18288700	25.0
Indene	13.94	8.3	ug/L	6111750	3	13.55	18288700	25.0
Benzene, 2-ethyl-...	14.01	5.7	ug/L	4145990	3	13.55	18288700	25.0
Benzene, 1-ethyl-...	14.10	9.2	ug/L	6717000	3	13.55	18288700	25.0
Benzene, 1-etheny...	14.21	10.8	ug/L	7905430	3	13.55	18288700	25.0
Benzene, 4-ethyl-...	14.33	3.5	ug/L	2531000	3	13.55	18288700	25.0
Benzene, 1,2,3,4-...	14.41	9.0	ug/L	6567290	3	13.55	18288700	25.0
Benzene, 1,2,4,5-...	14.46	8.2	ug/L	6015720	3	13.55	18288700	25.0
1H-Indene, 2,3-di...	14.69	14.9	ug/L	10929100	3	13.55	18288700	25.0
(DEL) Alkane: Str...	14.72	4.5	ug/L	3253760	3	13.55	18288700	25.0
Benzene, 1-methyl...	14.80	35.5	ug/L	25986300	3	13.55	18288700	25.0
2-Methylindene	14.87	20.4	ug/L	14922500	3	13.55	18288700	25.0
1H-Indene, 1-methyl-	14.95	13.4	ug/L	9842410	3	13.55	18288700	25.0
Benzene, (3-methy...	15.07	8.4	ug/L	6127510	3	13.55	18288700	25.0
Naphthalene, 1,2,...	15.18	7.5	ug/L	5494500	3	13.55	18288700	25.0
Benzo[b]thiophene	15.47	9.3	ug/L	6799570	3	13.55	18288700	25.0
(DEL) Alkane: Str...	15.55	5.7	ug/L	4182360	3	13.55	18288700	25.0
Benzene, 2-etheny...	15.65	5.9	ug/L	4341590	3	13.55	18288700	25.0
(1-Methylbuta-1,3...	15.80	1.9	ug/L	1368140	3	13.55	18288700	25.0
1H-Indene, 1,3-di...	15.97	6.2	ug/L	4512060	3	13.55	18288700	25.0
Benzocycloheptatr...	16.45	221.2	ug/L	161848000	3	13.55	18288700	25.0
Naphthalene, 1-me...	16.65	108.7	ug/L	79548200	3	13.55	18288700	25.0