

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
 Data File : VW017190.D
 Acq On : 12 Nov 2020 17:19
 Operator : SY/VA
 Sample : L4727-02
 Misc : 5.31G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB7

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\SOM2WLM110420S.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	2.153	38	41	44	rBV2	1085	1609	0.02%	0.003%
2	2.355	67	74	84	rBV	96287	190460	2.66%	0.326%
3	2.891	154	162	179	rVB2	73291	183669	2.56%	0.315%
4	3.464	253	256	259	rBV2	356	445	0.01%	0.001%
5	3.513	259	264	266	rVV4	367	647	0.01%	0.001%
6	3.550	268	270	272	rVV	448	402	0.01%	0.001%
7	3.568	272	273	276	rVV2	406	339	0.00%	0.001%
8	3.684	288	292	299	rBV3	550	1101	0.02%	0.002%
9	4.019	336	347	361	rBV2	154179	483249	6.75%	0.828%
10	4.196	374	376	383	rVB6	1070	2045	0.03%	0.004%
11	4.409	398	411	426	rBV6	2242	8913	0.12%	0.015%
12	4.927	482	496	517	rVB2	20780	78993	1.10%	0.135%
13	5.116	523	527	528	rBV	293	390	0.01%	0.001%
14	5.165	533	535	537	rBV2	364	365	0.01%	0.001%
15	5.945	651	663	674	rBV2	7066	22187	0.31%	0.038%
16	6.976	829	832	836	rBV	335	523	0.01%	0.001%
17	7.079	839	849	854	rBV	33692	95585	1.33%	0.164%
18	7.134	854	858	871	rVB2	39672	109425	1.53%	0.187%
19	7.274	879	881	883	rVB	411	354	0.00%	0.001%
20	7.384	897	899	905	rVB4	321	519	0.01%	0.001%
21	7.652	932	943	955	rBV	242547	602172	8.41%	1.032%
22	7.738	955	957	959	rVB3	430	367	0.01%	0.001%
23	7.951	985	992	997	rVV4	1261	2366	0.03%	0.004%
24	8.274	1032	1045	1065	rBV2	466317	1392325	19.44%	2.385%
25	8.634	1101	1104	1109	rVV3	414	565	0.01%	0.001%
26	8.701	1109	1115	1119	rVV5	731	1409	0.02%	0.002%
27	8.841	1129	1138	1149	rVV	487006	968222	13.52%	1.659%
28	8.951	1153	1156	1158	rVV3	446	642	0.01%	0.001%
29	9.030	1168	1169	1172	rBV2	346	369	0.01%	0.001%
30	9.085	1172	1178	1183	rBV5	1652	3375	0.05%	0.006%
31	9.274	1198	1209	1229	rVV	298318	613720	8.57%	1.051%
32	9.433	1231	1235	1237	rBV	356	381	0.01%	0.001%
33	9.451	1237	1238	1242	rVB2	393	485	0.01%	0.001%
34	9.616	1258	1265	1267	rBV4	488	728	0.01%	0.001%

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35	9.664	1267	1273	1279	rVB5	1102	2152	0.03%	0.004%
36	9.762	1283	1289	1296	rVB5	3006	5929	0.08%	0.010%
37	9.896	1303	1311	1316	rBV4	4966	10872	0.15%	0.019%
38	10.036	1325	1334	1346	rBV	166957	303994	4.24%	0.521%
39	10.213	1357	1363	1367	rBV2	6191	12518	0.17%	0.021%
40	10.329	1374	1382	1389	rBV	613694	1097441	15.32%	1.880%
41	10.390	1389	1392	1405	rVB	7065	12487	0.17%	0.021%
42	10.506	1405	1411	1416	rBV6	2742	6352	0.09%	0.011%
43	10.579	1416	1423	1433	rBV	102106	185842	2.59%	0.318%
44	10.664	1433	1437	1438	rVV3	5443	6303	0.09%	0.011%
45	10.707	1438	1444	1449	rVB	62952	109517	1.53%	0.188%
46	10.853	1465	1468	1473	rBV6	3643	5966	0.08%	0.010%
47	10.926	1473	1480	1490	rVV	139736	233408	3.26%	0.400%
48	11.067	1497	1503	1507	rBV	32447	53039	0.74%	0.091%
49	11.109	1508	1510	1513	rVV3	3353	4037	0.06%	0.007%
50	11.231	1525	1530	1536	rVB	29655	52443	0.73%	0.090%
51	11.286	1536	1539	1542	rVV5	5789	7433	0.10%	0.013%
52	11.335	1542	1547	1552	rVV4	13651	23192	0.32%	0.040%
53	11.377	1552	1554	1558	rVB2	3742	4560	0.06%	0.008%
54	11.438	1558	1564	1572	rVB2	73180	129649	1.81%	0.222%
55	11.512	1572	1576	1579	rBV4	2208	4057	0.06%	0.007%
56	11.633	1589	1596	1605	rBV	582212	978724	13.66%	1.677%
57	11.768	1614	1618	1622	rVB	24332	33307	0.46%	0.057%
58	11.822	1622	1627	1631	rBV5	19917	39420	0.55%	0.068%
59	11.877	1632	1636	1647	rVB4	42141	132149	1.84%	0.226%
60	11.975	1647	1652	1659	rBV3	23170	53058	0.74%	0.091%
61	12.036	1659	1662	1670	rVB4	14294	28932	0.40%	0.050%
62	12.139	1671	1679	1686	rBV4	74640	193058	2.70%	0.331%
63	12.365	1701	1716	1723	rBV3	153413	507190	7.08%	0.869%
64	12.609	1751	1756	1762	rVB	169433	293722	4.10%	0.503%
65	12.694	1763	1770	1775	rBV	275409	517659	7.23%	0.887%
66	12.780	1780	1784	1791	rVB3	236079	420685	5.87%	0.721%
67	12.865	1792	1798	1801	rBV6	85312	180957	2.53%	0.310%
68	12.944	1805	1811	1824	rVB	609954	1241510	17.33%	2.127%
69	13.103	1830	1837	1845	rVB2	294071	589978	8.24%	1.011%
70	13.255	1857	1862	1866	rBV	308221	508685	7.10%	0.871%
71	13.383	1880	1883	1887	rVB2	97858	125756	1.76%	0.215%

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72	13.444	1888	1893	1897	rVV3	203873	347369	4.85%	0.595%
73	13.560	1907	1912	1920	rVB2	357538	765536	10.69%	1.311%
74	13.700	1931	1935	1939	rBV3	131627	251001	3.50%	0.430%
75	13.755	1940	1944	1946	rVV3	370106	557402	7.78%	0.955%
76	13.786	1946	1949	1955	rVB	608949	954082	13.32%	1.634%
77	13.877	1956	1964	1969	rVB4	486541	1227733	17.14%	2.103%
78	13.950	1973	1976	1980	rVB	237925	290259	4.05%	0.497%
79	14.011	1982	1986	1989	rBV	547464	879190	12.27%	1.506%
80	14.096	1996	2000	2006	rVB	820320	1294146	18.07%	2.217%
81	14.157	2007	2010	2013	rBV	144455	212830	2.97%	0.365%
82	14.206	2013	2018	2023	rVV2	920850	1542548	21.53%	2.643%
83	14.255	2023	2026	2034	rVB6	194450	486775	6.80%	0.834%
84	14.340	2036	2040	2043	rVV2	254578	415638	5.80%	0.712%
85	14.383	2043	2047	2050	rVV2	430034	701315	9.79%	1.201%
86	14.420	2050	2053	2056	rVV	819148	1264993	17.66%	2.167%
87	14.456	2056	2059	2064	rVV	1514921	2235257	31.20%	3.829%
88	14.505	2064	2067	2069	rVV	317353	416399	5.81%	0.713%
89	14.548	2069	2074	2081	rVB3	646766	1264721	17.66%	2.167%
90	14.688	2093	2097	2101	rBV3	531345	787771	11.00%	1.350%
91	14.730	2101	2104	2109	rVB	529139	768051	10.72%	1.316%
92	14.798	2109	2115	2122	rBV2	2410224	5683681	79.35%	9.737%
93	14.858	2122	2125	2134	rVB3	443852	776561	10.84%	1.330%
94	14.962	2139	2142	2148	rBV3	287695	484771	6.77%	0.830%
95	15.066	2154	2159	2163	rBV3	1222756	2349541	32.80%	4.025%
96	15.182	2172	2178	2184	rVB2	1536501	3283674	45.84%	5.625%
97	15.365	2205	2208	2213	rVB	918624	1420328	19.83%	2.433%
98	15.657	2251	2256	2263	rVB	990139	1855569	25.90%	3.179%
99	16.444	2379	2385	2398	rVB	3190896	7163176	100.00%	12.271%
100	16.645	2410	2418	2431	rBV	2362992	5807843	81.08%	9.950%

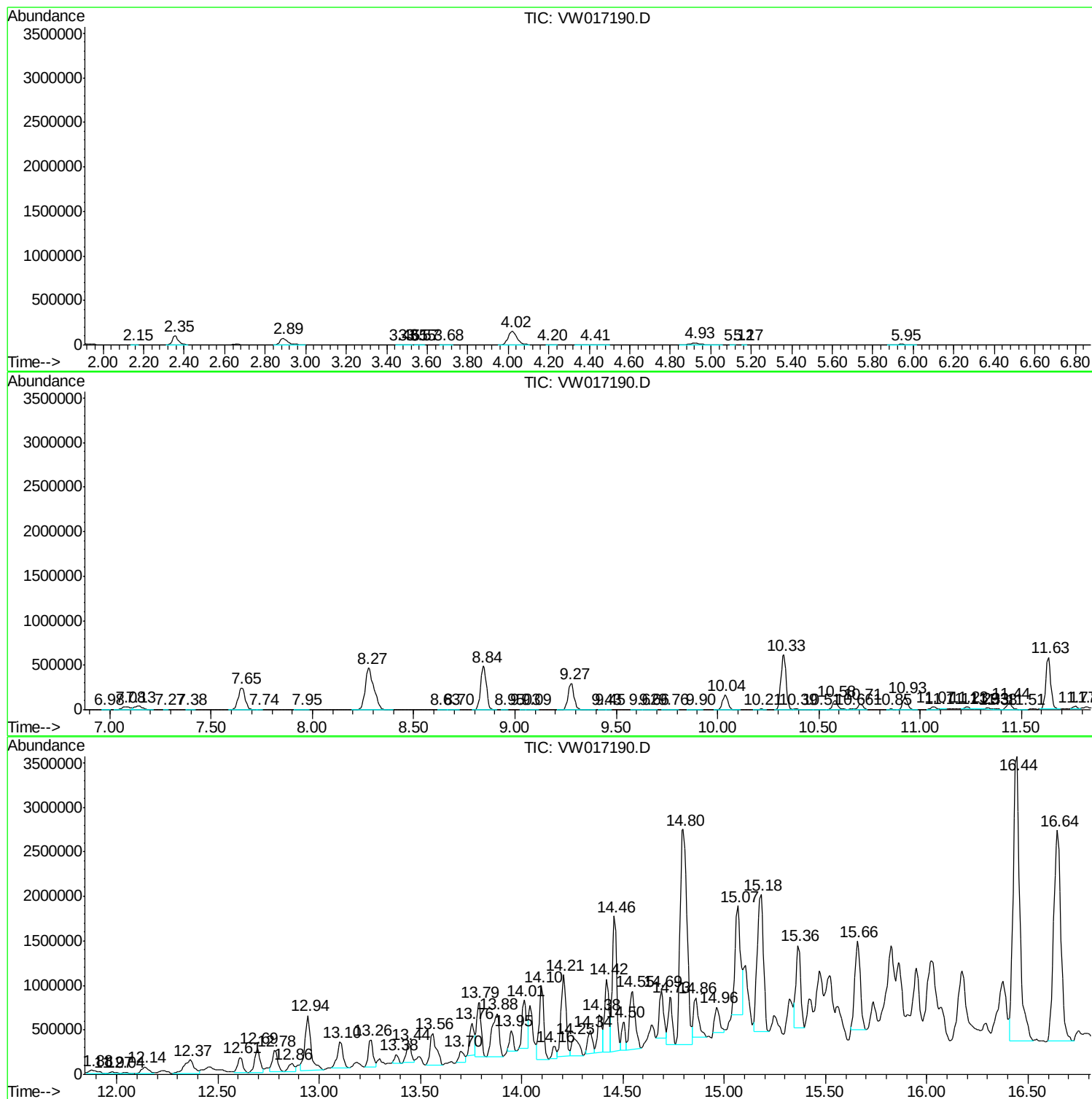
Sum of corrected areas: 58372487

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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



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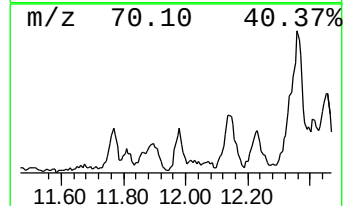
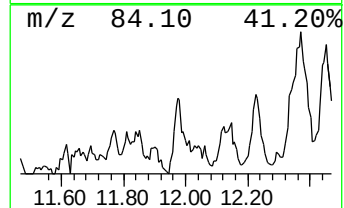
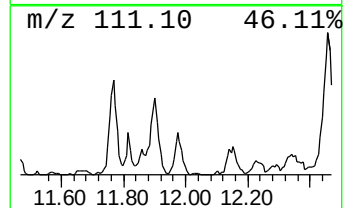
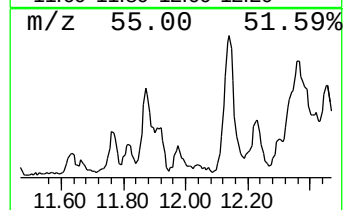
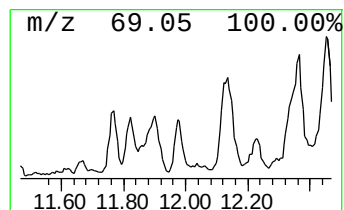
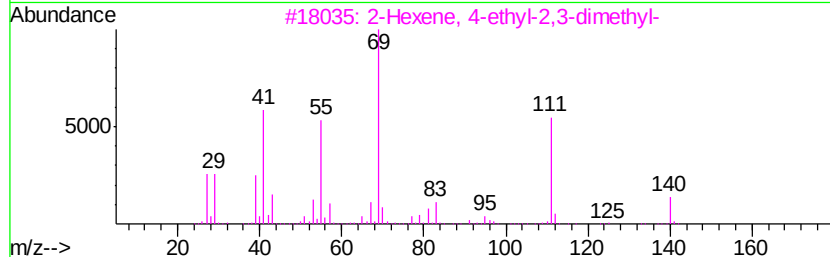
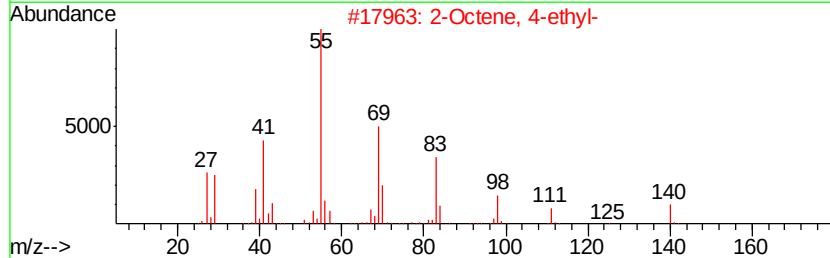
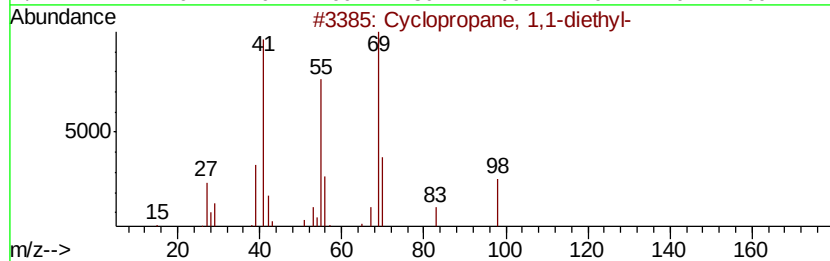
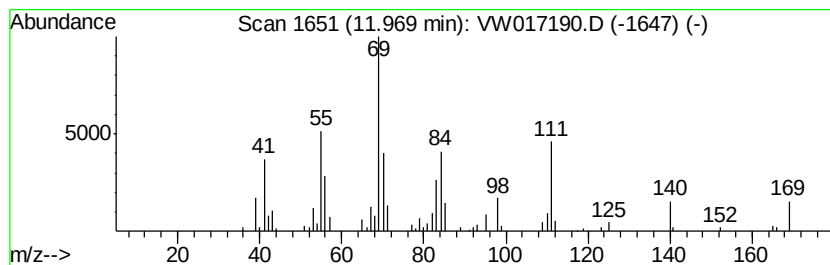
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic11.97 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.97	1.36 ug/L	53058	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	60
2		2-Octene, 4-ethyl-	140	C10H20	053966-52-2	58
3		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	50
4		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	49
5		3-Octene, 4-ethyl-	140	C10H20	053966-51-1	49



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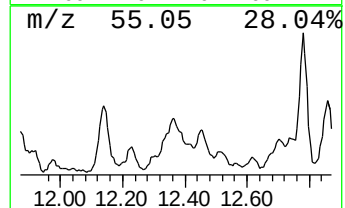
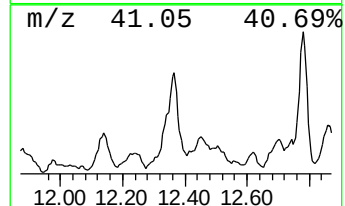
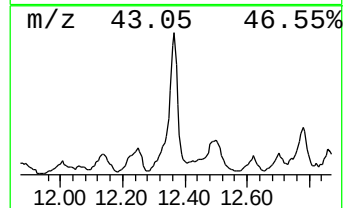
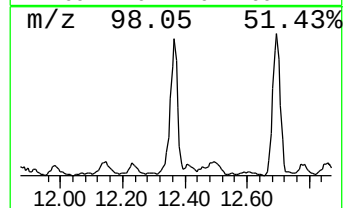
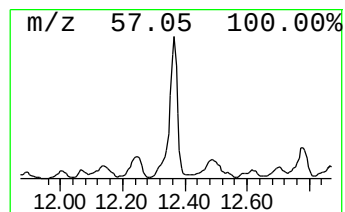
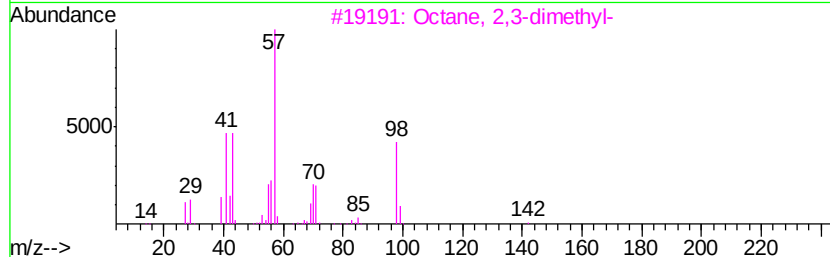
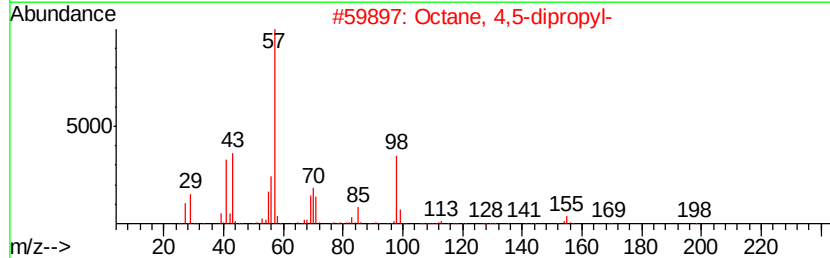
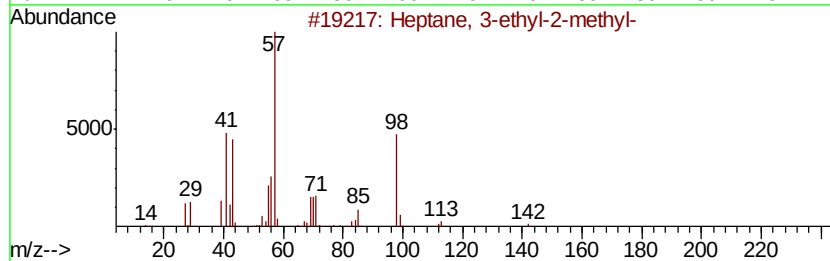
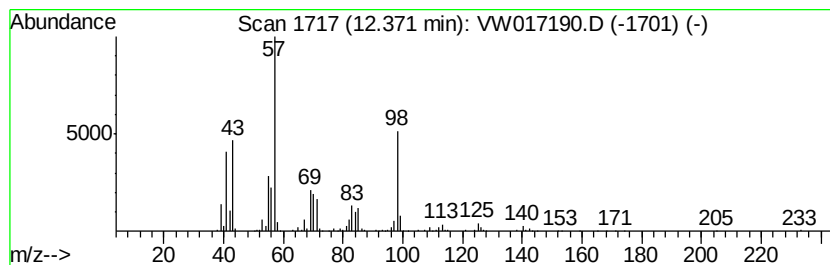
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	12.96 ug/L	507190	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2		Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	78
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	68
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	58
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53



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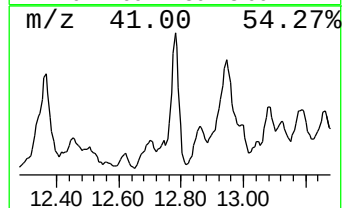
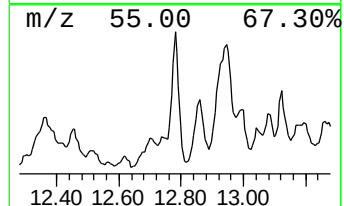
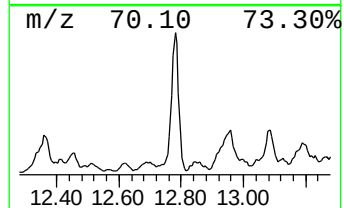
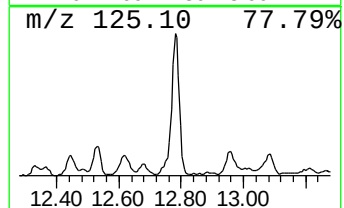
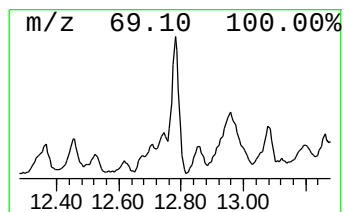
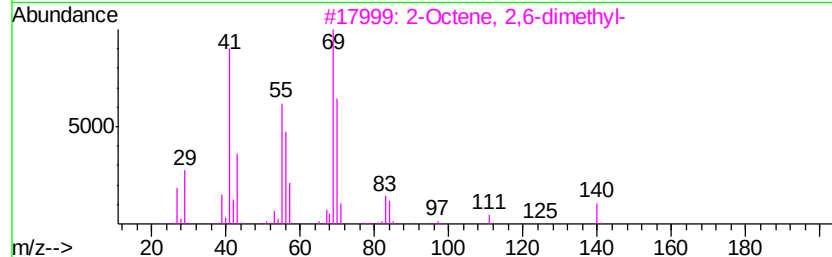
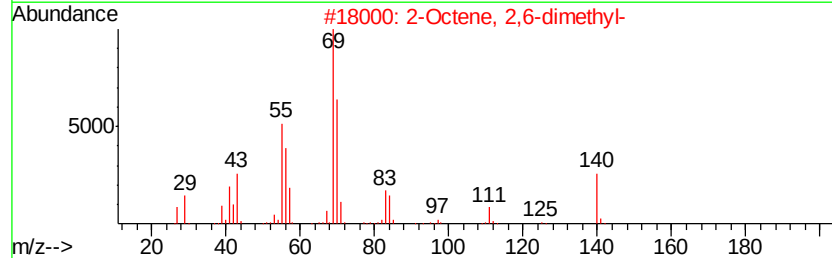
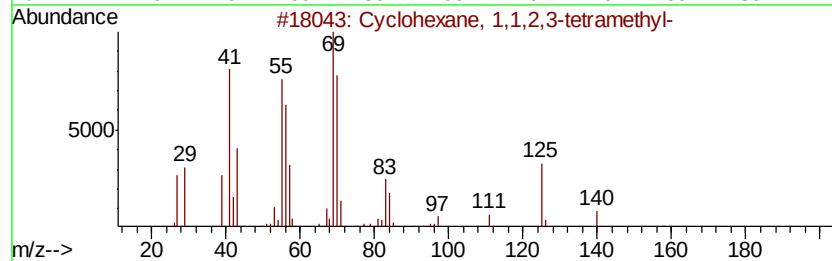
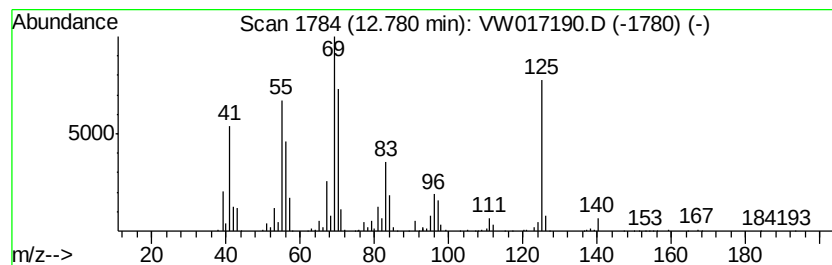
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Peak Number 10 (DEL) Alkane: Cyclic12.78 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	13.74 ug/L	420685	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1,2,3-tetramethyl-	140 C10H20	006783-92-2 70
2		2-Octene, 2,6-dimethyl-	140 C10H20	004057-42-5 60
3		2-Octene, 2,6-dimethyl-	140 C10H20	004057-42-5 60
4		1.alpha.,2.beta.,3.alpha.,4.beta...	126 C9H18	002532-67-4 52
5		cis-1-Butyl-2-methylcyclopropane	112 C8H16	038851-69-3 42



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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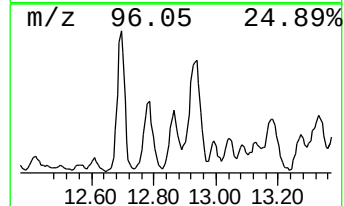
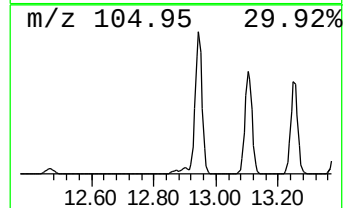
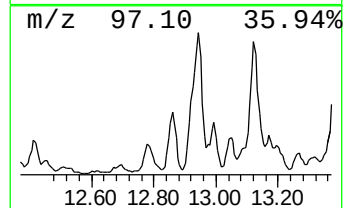
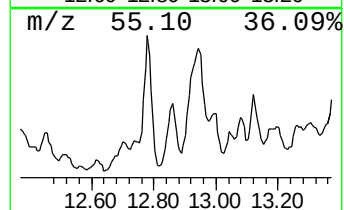
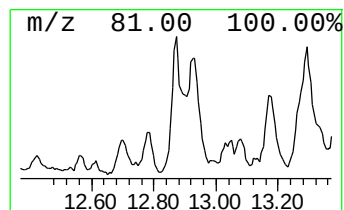
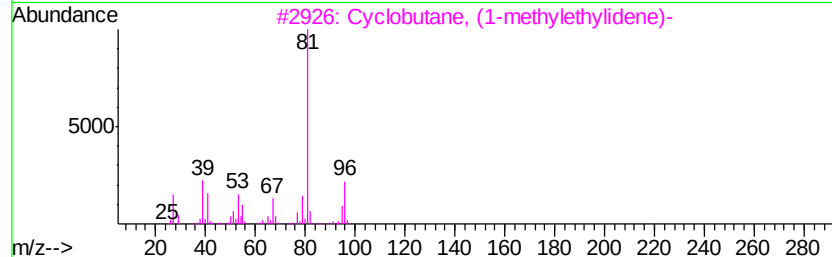
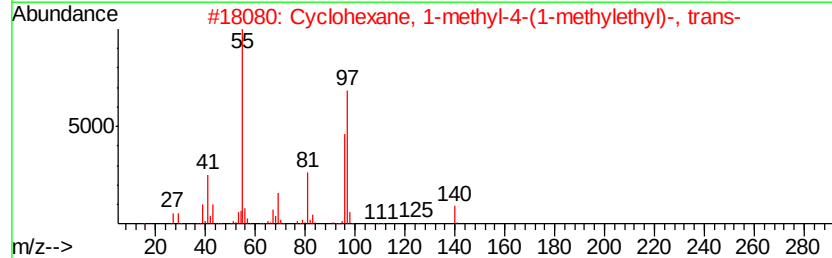
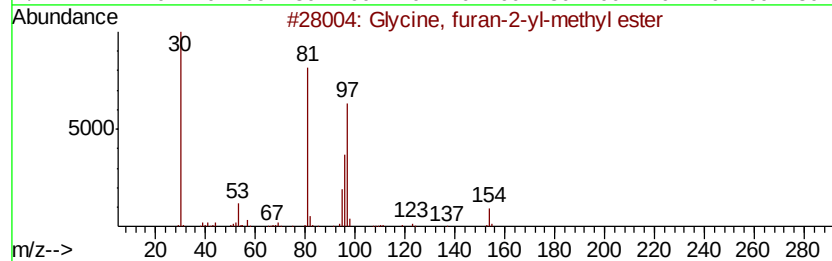
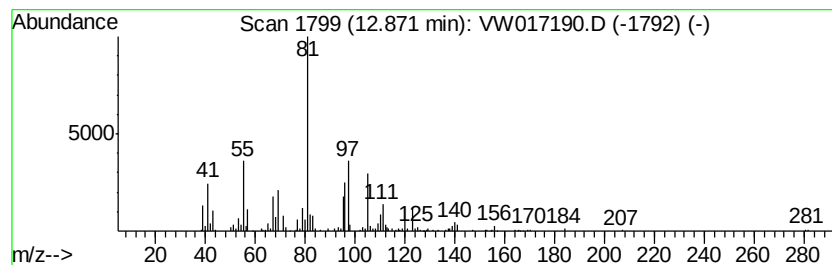
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Quant Title : VOC Analysis

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

Peak Number 11 Glycine, furan-2-yl-methyl ... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	5.91 ug/L	180957	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Glycine, furan-2-yl-methyl ester	155	C7H9NO3	1000306-78-7	52
2		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38
3		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
4		2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	35
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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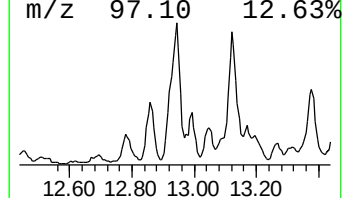
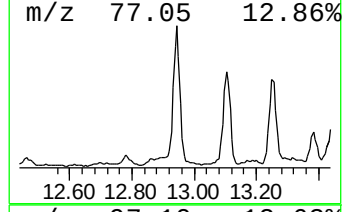
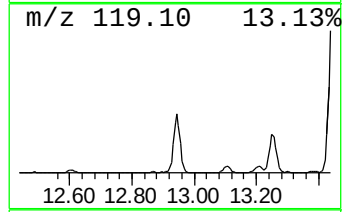
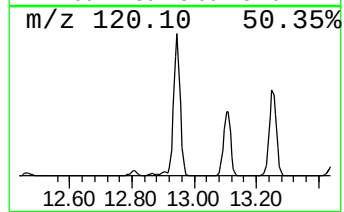
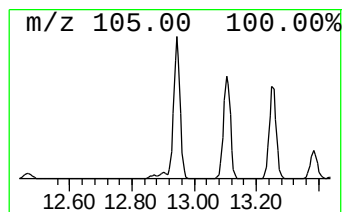
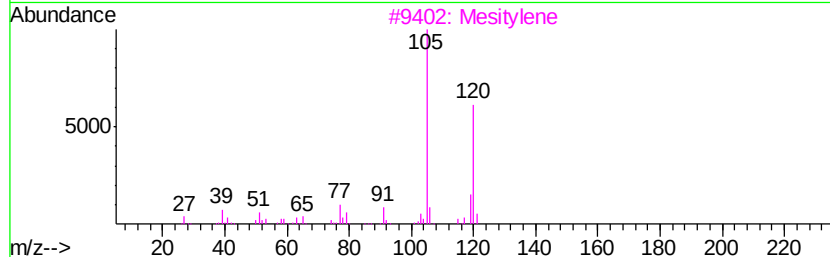
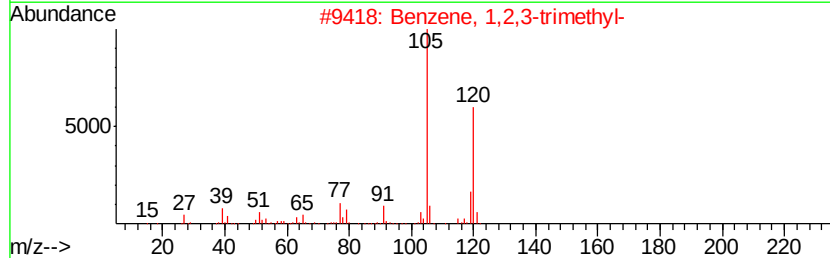
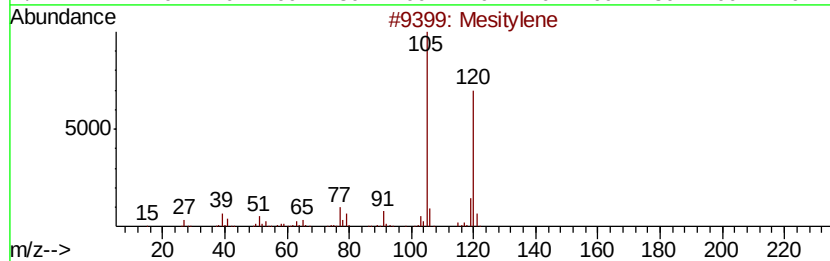
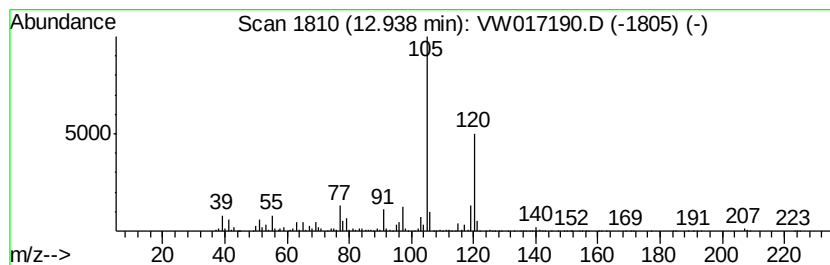
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Quant Title : VOC Analysis

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

Peak Number 12 Mesitylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	40.54 ug/L	1241510	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	95
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3			Mesitylene	120	C9H12	000108-67-8	95
4			Mesitylene	120	C9H12	000108-67-8	93
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

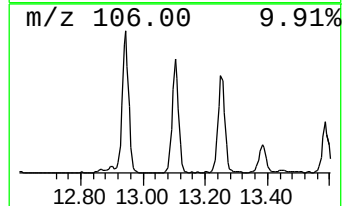
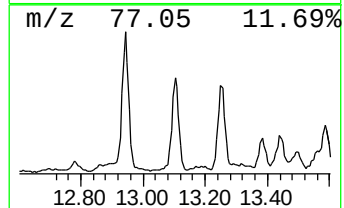
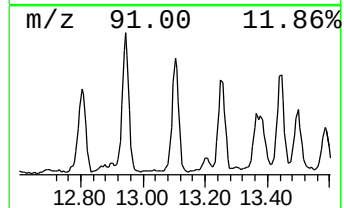
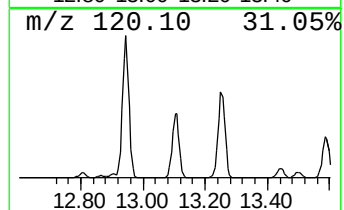
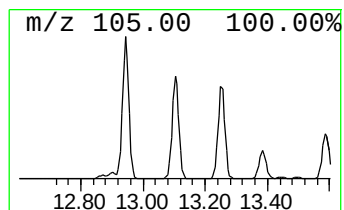
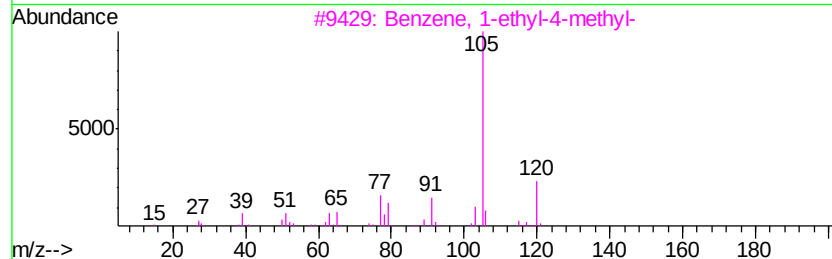
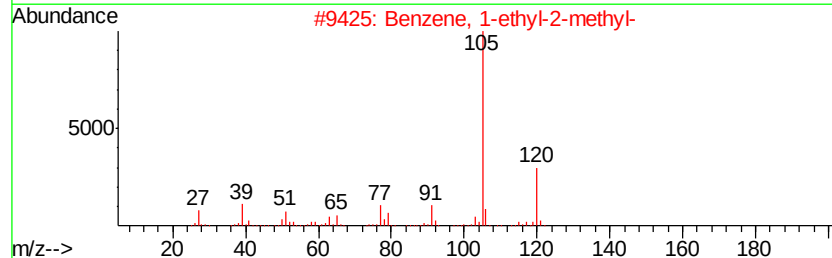
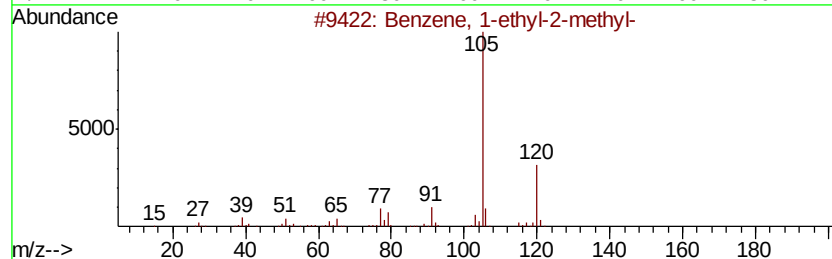
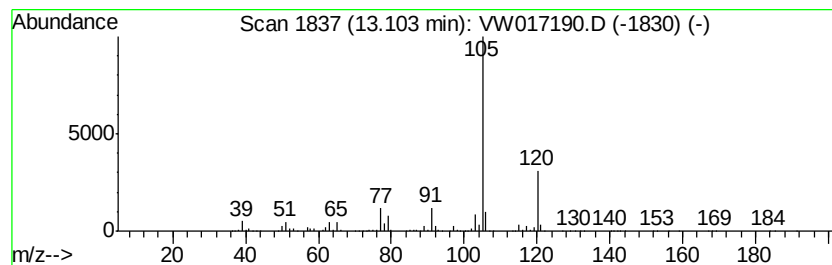
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	19.27 ug/L	589978	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 94
2		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 94
3		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 94
4		Mesitylene	120 C9H12	000108-67-8 91
5		Mesitylene	120 C9H12	000108-67-8 91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

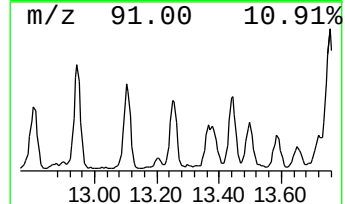
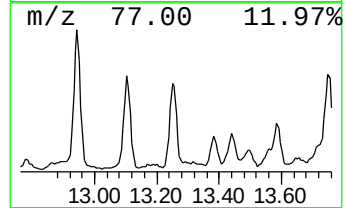
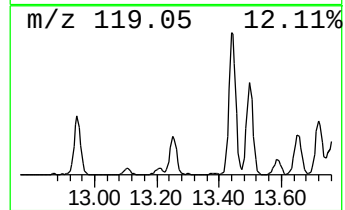
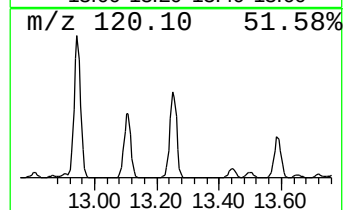
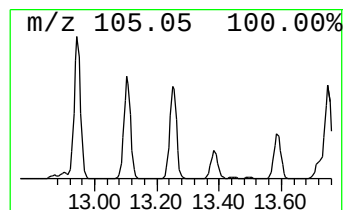
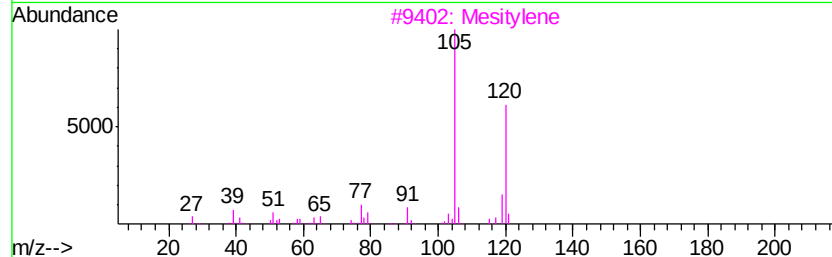
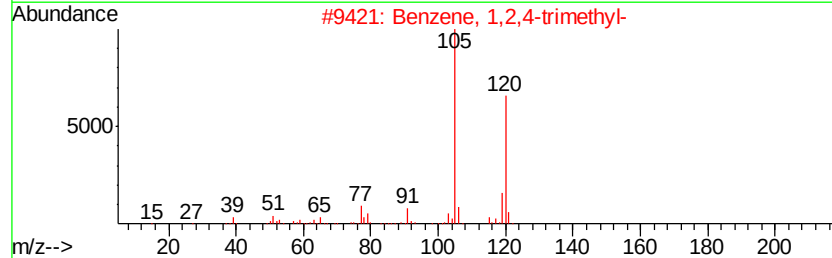
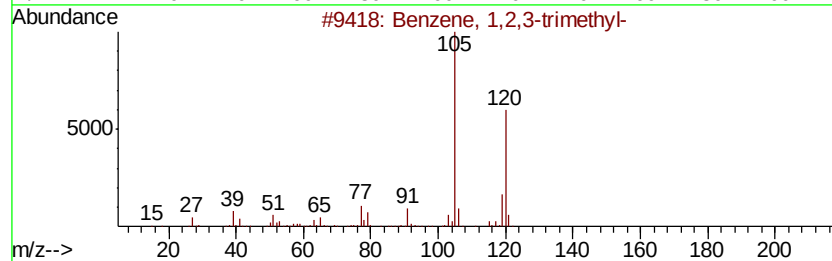
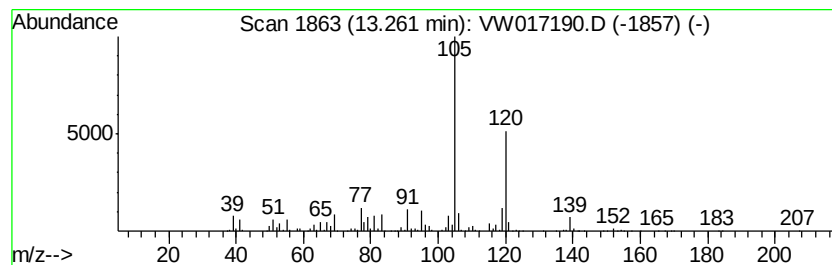
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	16.61 ug/L	508685	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 95
2		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 94
3		Mesitylene	120 C9H12	000108-67-8 93
4		Mesitylene	120 C9H12	000108-67-8 93
5		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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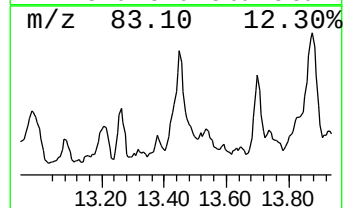
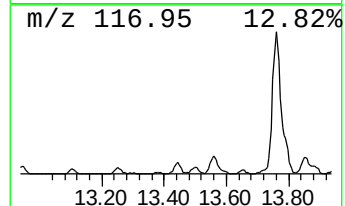
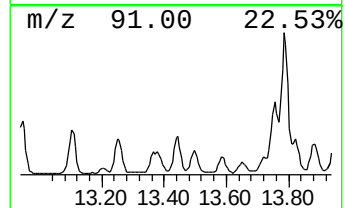
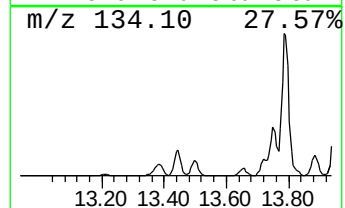
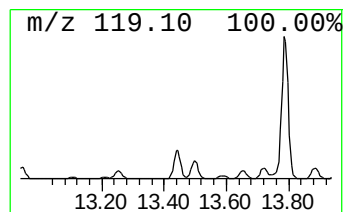
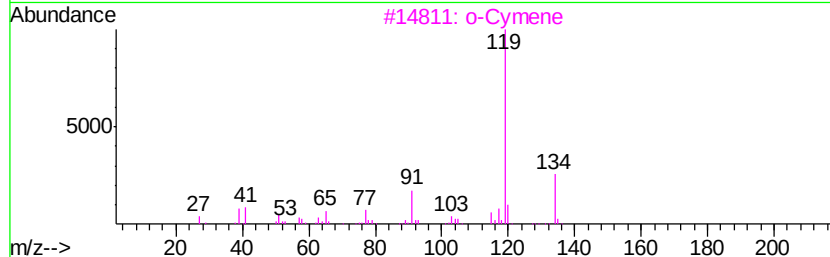
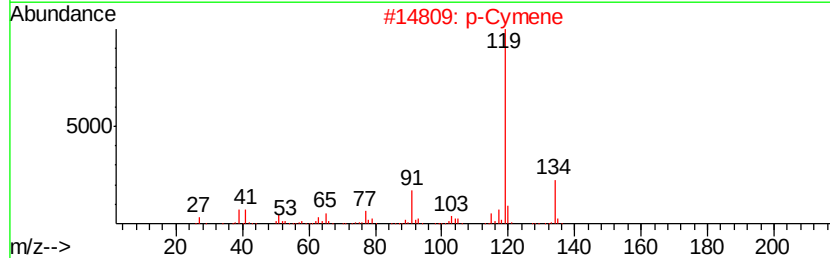
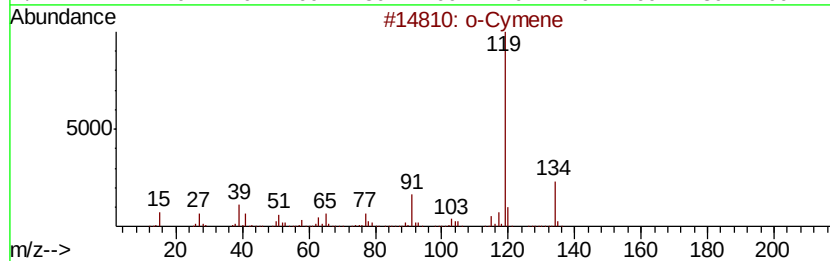
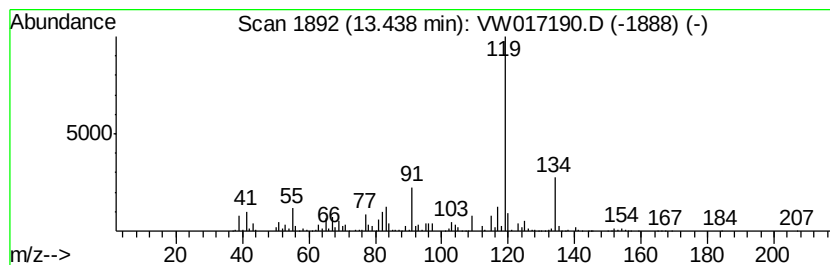
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Quant Title : VOC Analysis

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

Peak Number 16 o-Cymene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	11.34 ug/L	347369	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		p-Cymene	134	C10H14	000099-87-6	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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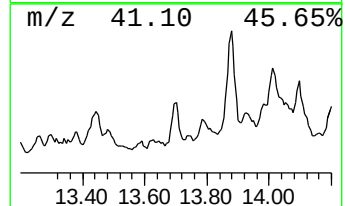
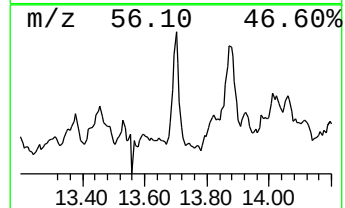
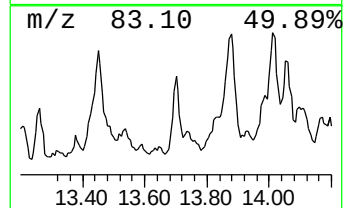
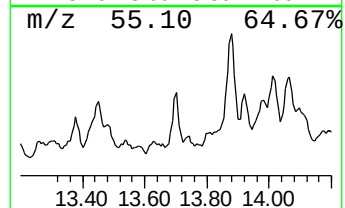
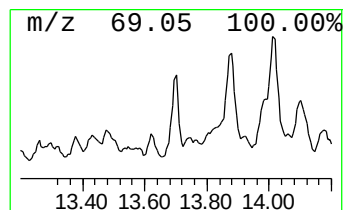
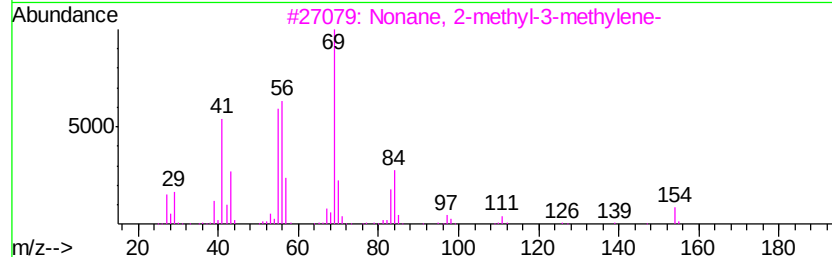
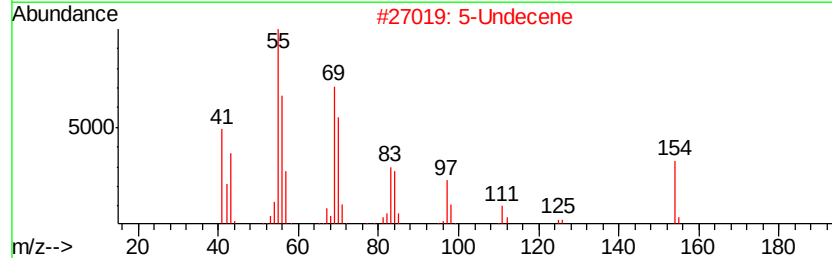
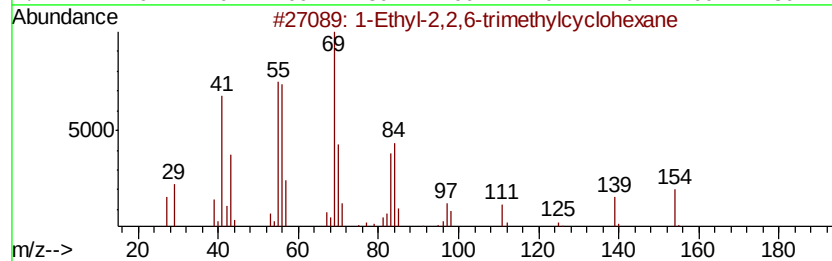
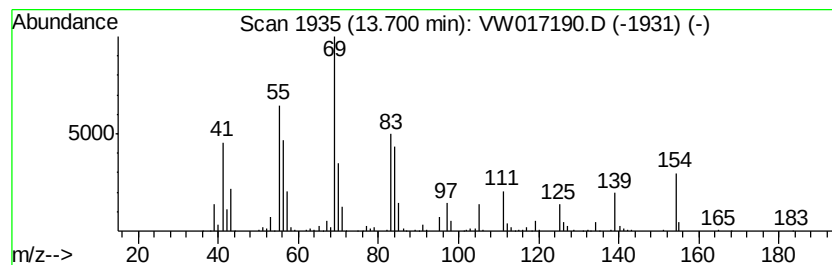
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	8.20 ug/L	251001	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	94
2		5-Undecene	154	C11H22	004941-53-1	83
3		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	59
4		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	59
5		2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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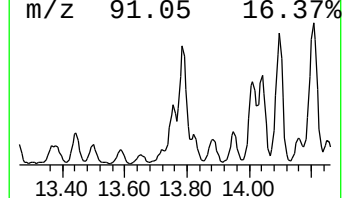
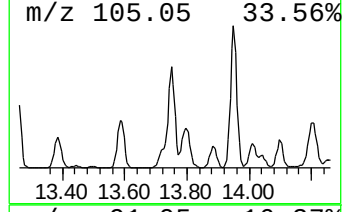
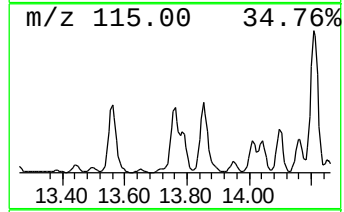
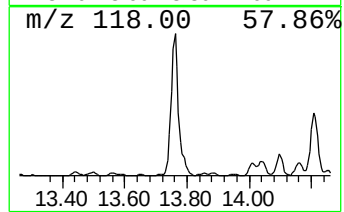
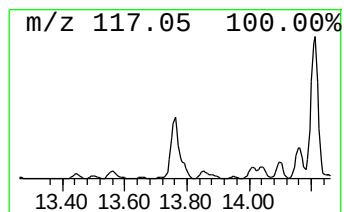
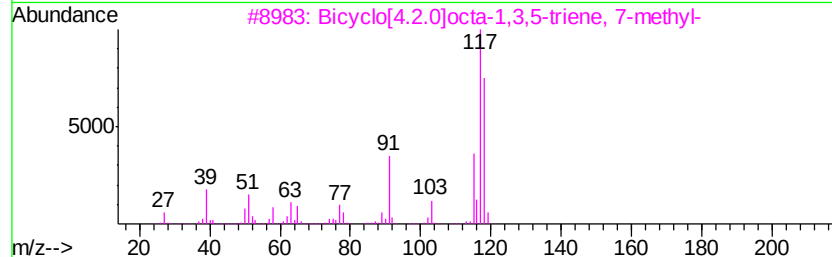
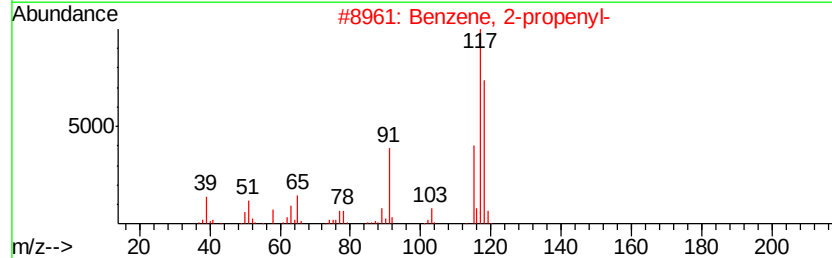
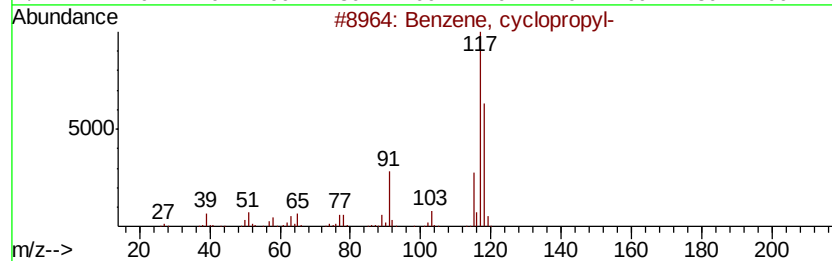
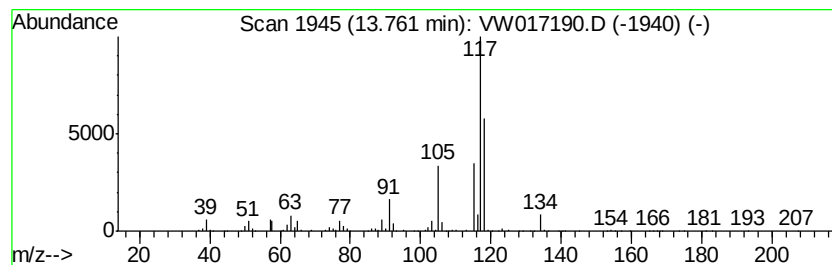
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, cyclopropyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	18.20 ug/L	557402	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	64
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
3		Bicvclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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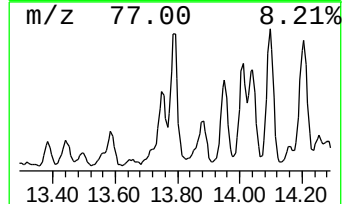
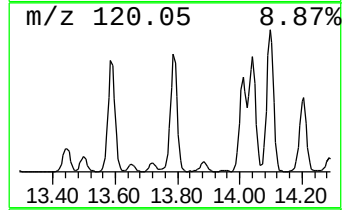
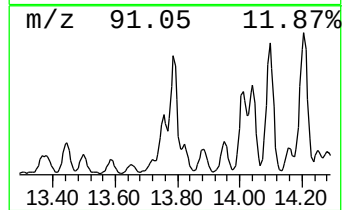
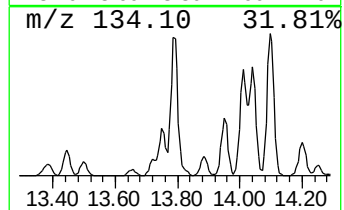
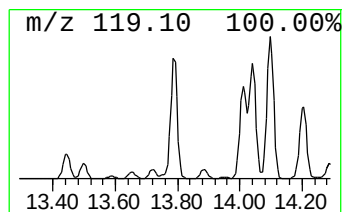
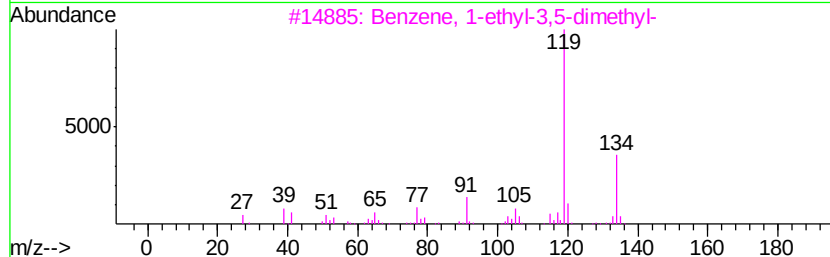
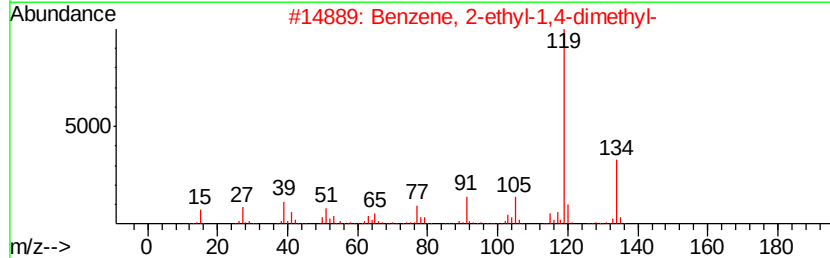
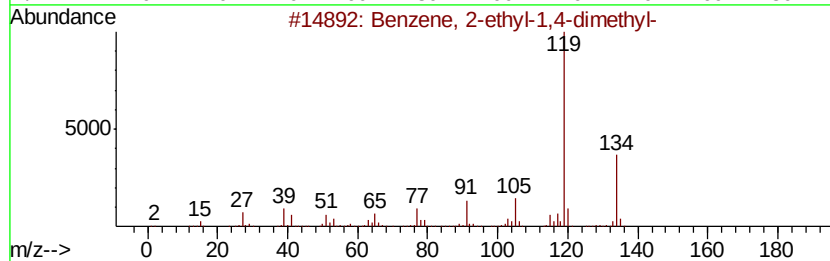
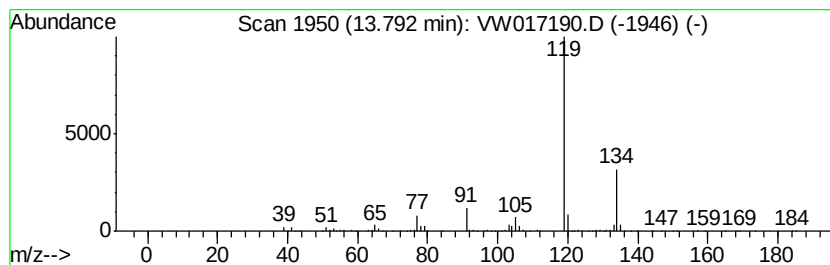
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	31.16 ug/L	954082	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

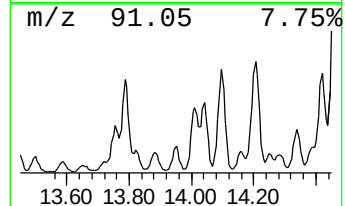
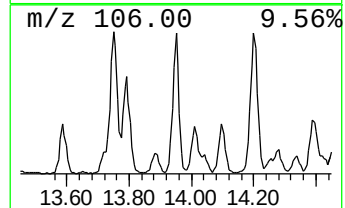
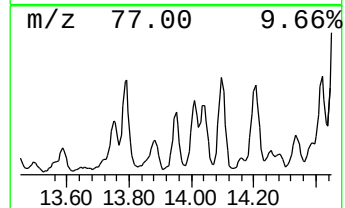
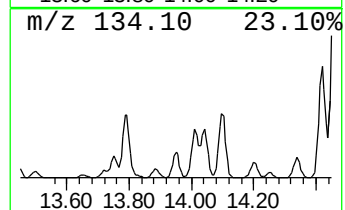
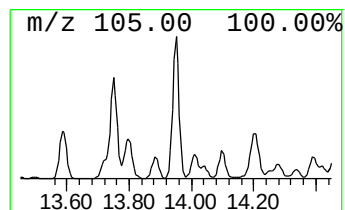
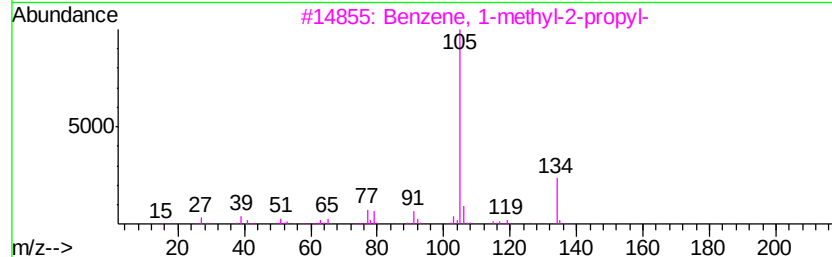
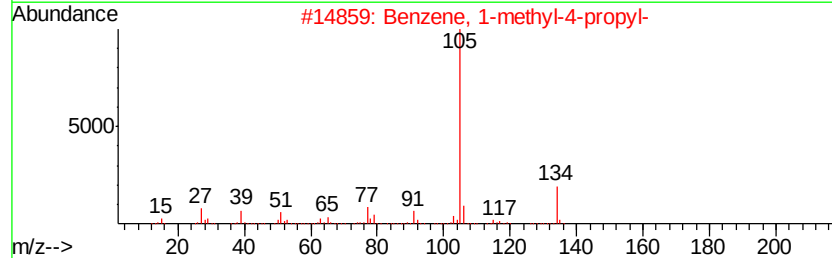
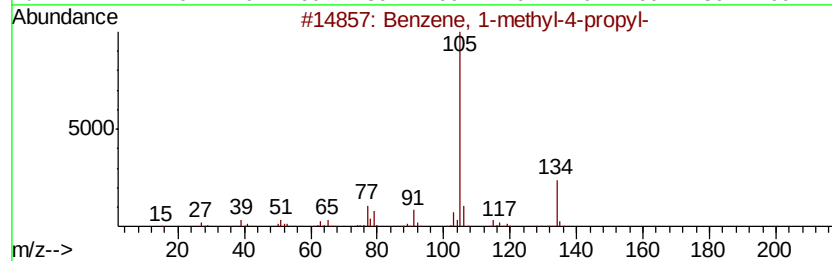
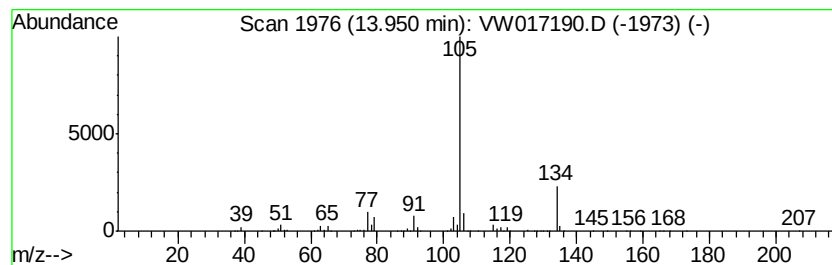
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	9.48 ug/L	290259	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	95
2	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91
4	Benzene, (1-methylpropyl)-	134 C10H14	000135-98-8	91
5	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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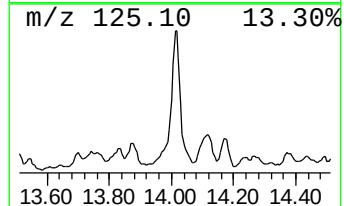
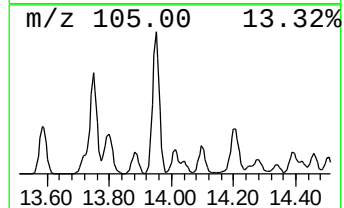
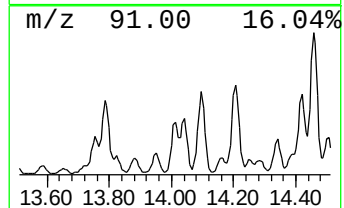
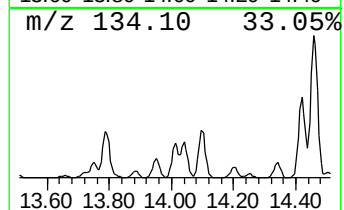
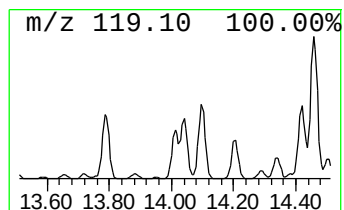
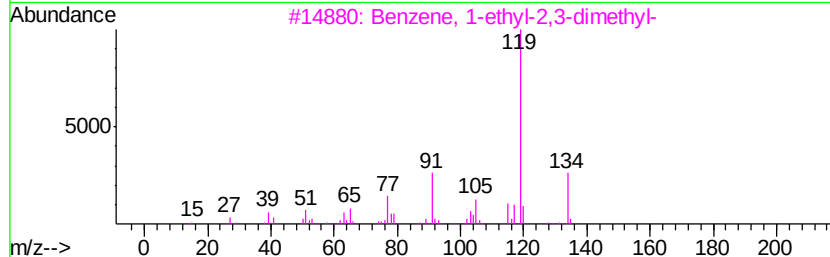
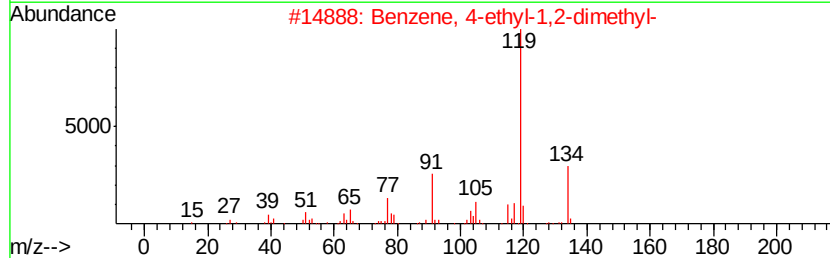
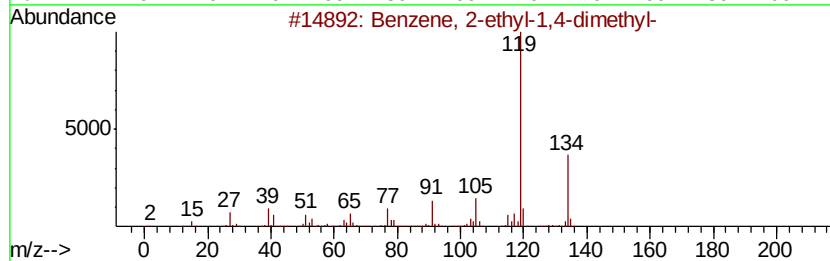
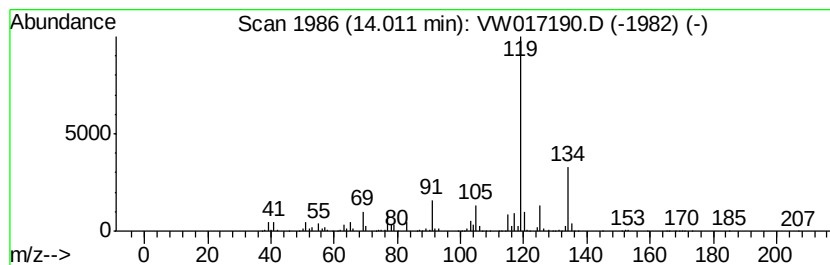
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	28.71 ug/L	879190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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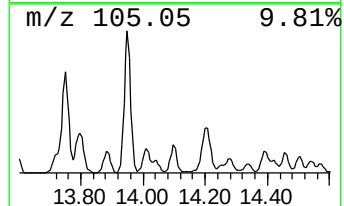
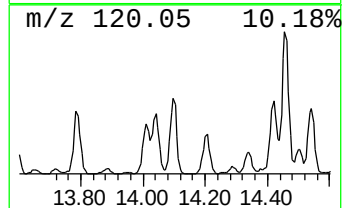
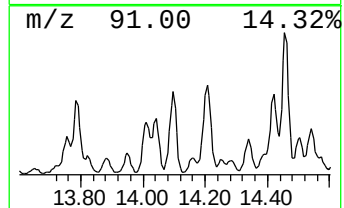
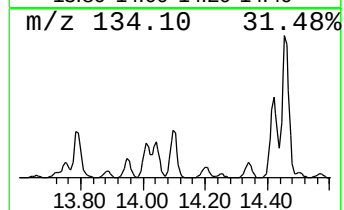
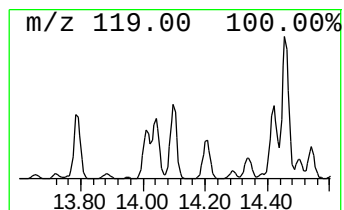
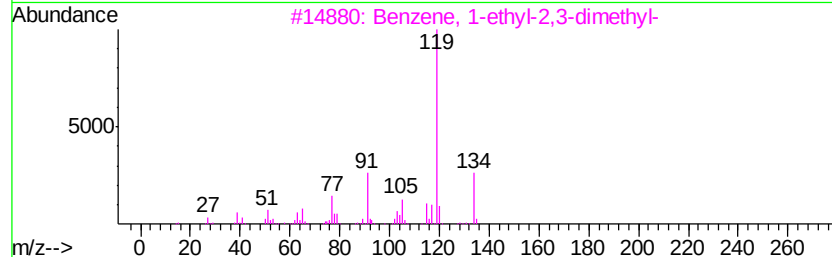
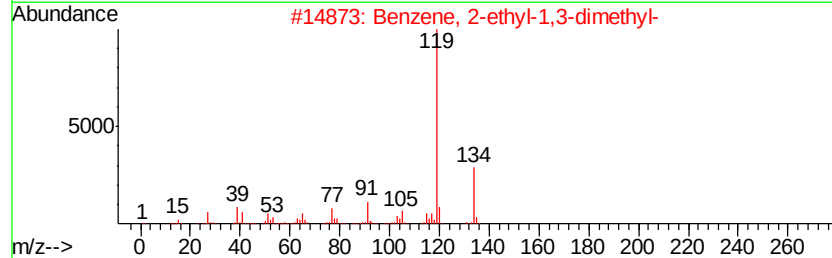
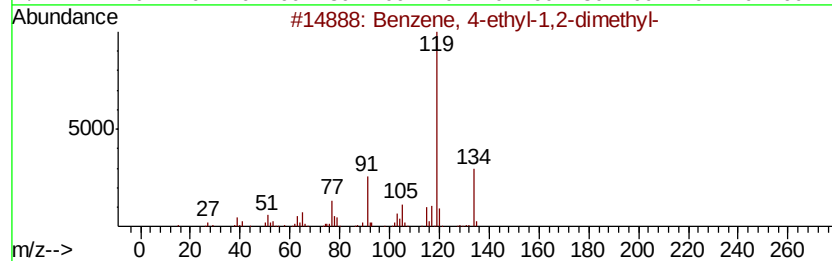
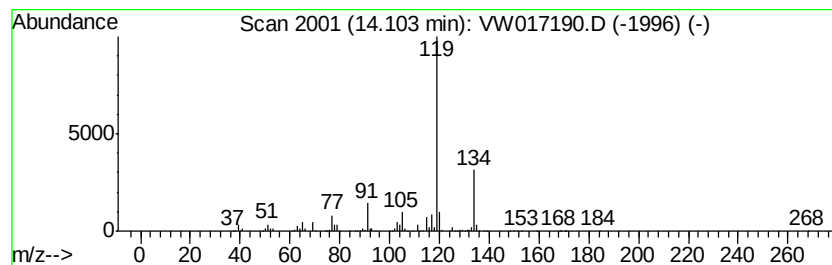
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	42.26 ug/L	1294150	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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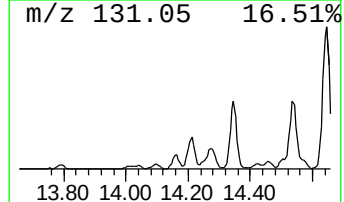
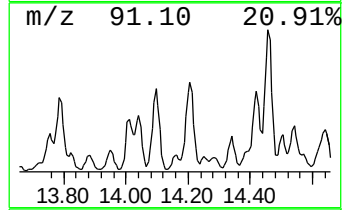
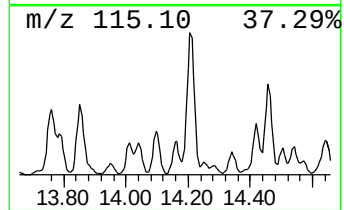
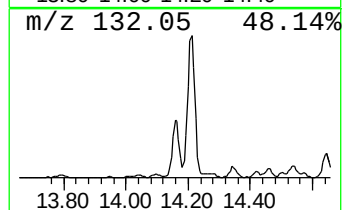
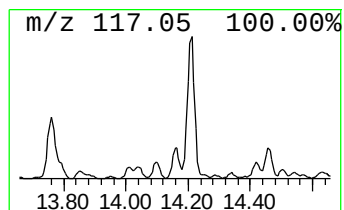
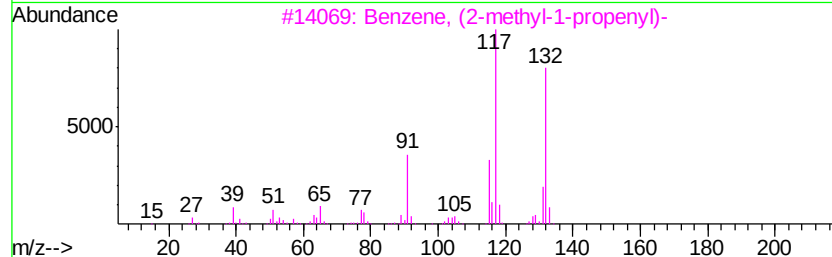
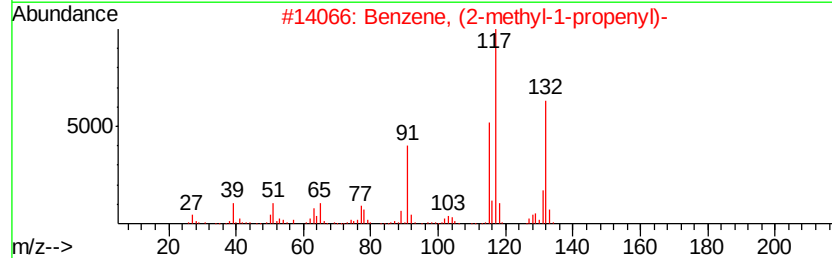
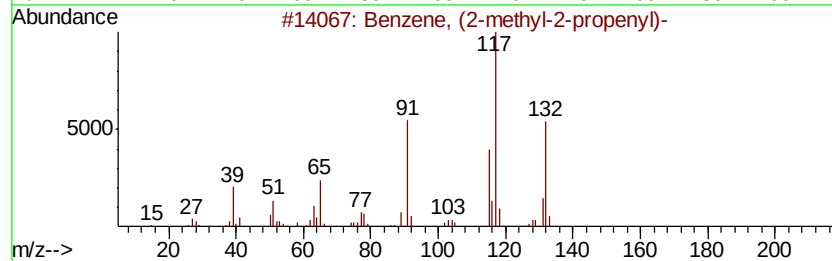
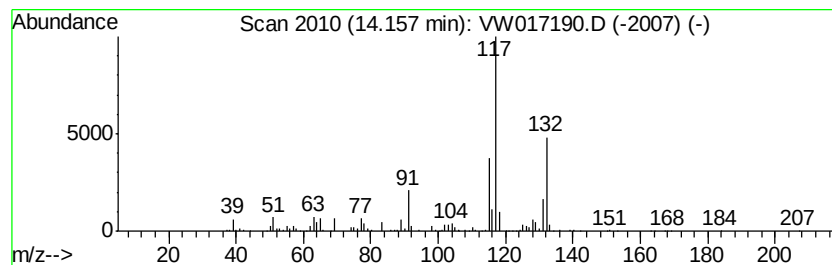
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, (2-methyl-2-propen... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	6.95 ug/L	212830	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
2		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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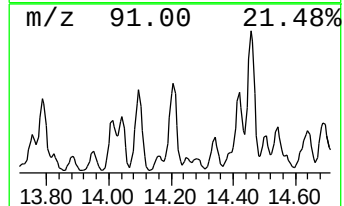
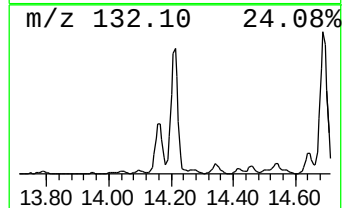
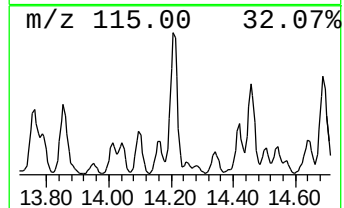
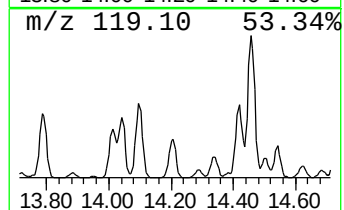
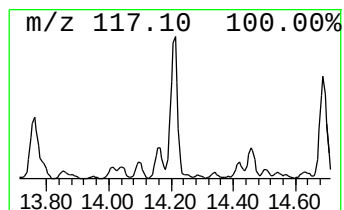
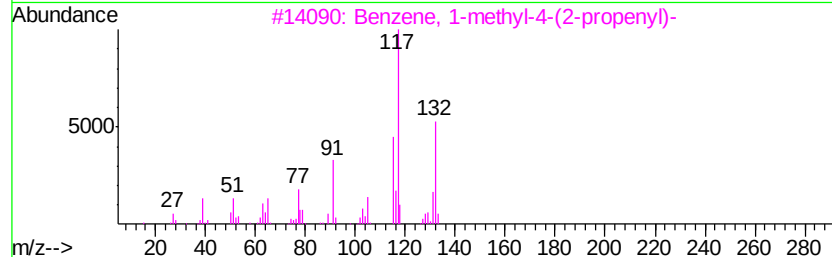
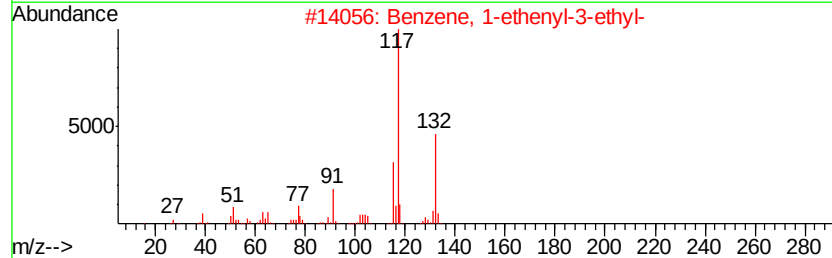
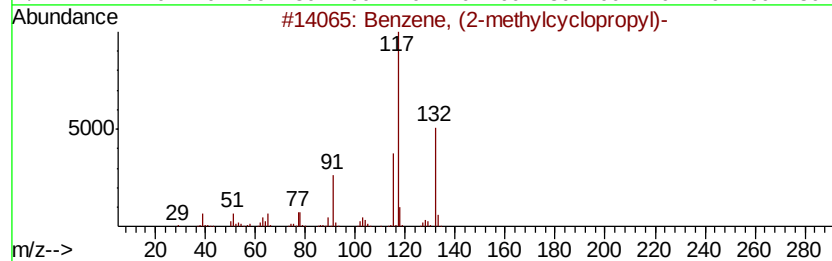
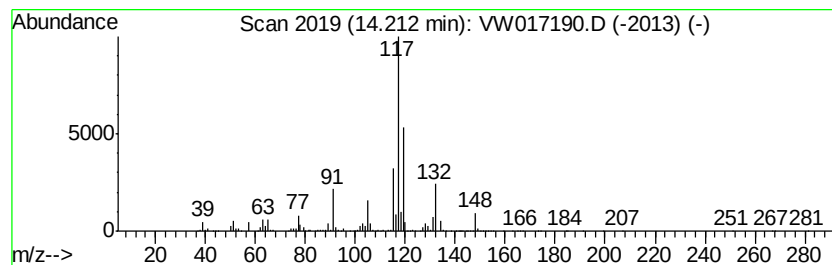
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, (2-methylcycloprop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	50.37 ug/L	1542550	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	49
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	46
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	45
5		Indan, 1-methyl-	132	C10H12	000767-58-8	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

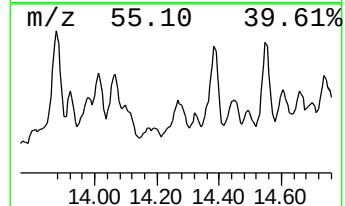
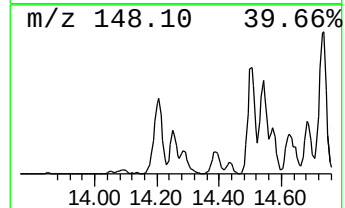
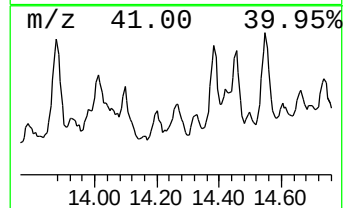
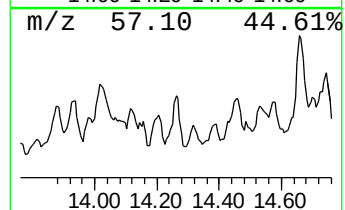
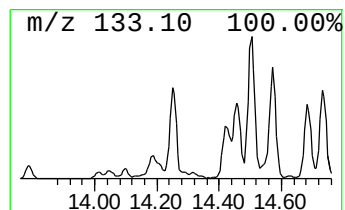
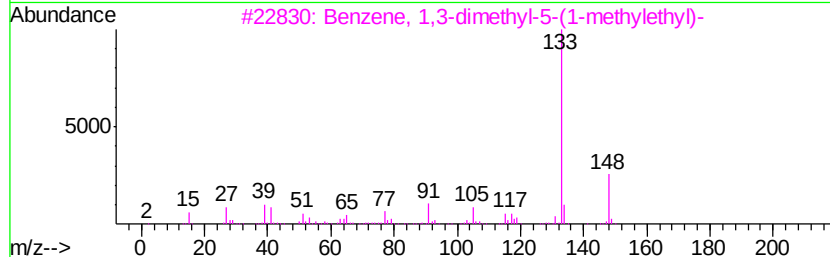
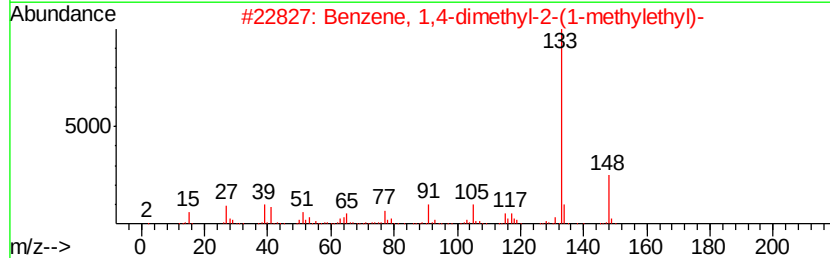
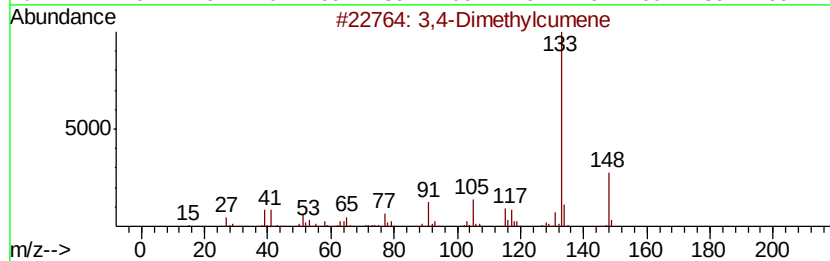
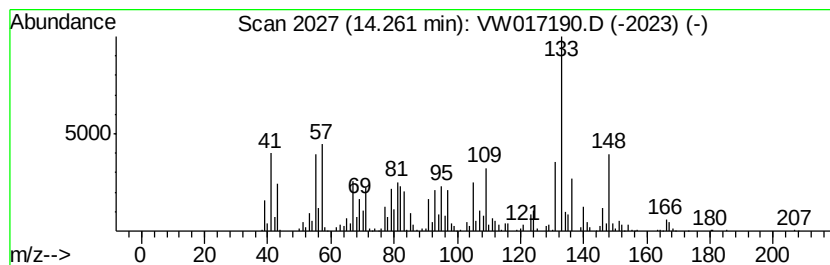
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 25 3,4-Dimethylcumene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	15.90 ug/L	486775	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4-Dimethylcumene	148 C11H16	1000370-34-1	74
2	Benzene, 1,4-dimethyl-2-(1-methy...	148 C11H16	004132-72-3	72
3	Benzene, 1,3-dimethyl-5-(1-methv...	148 C11H16	004706-90-5	72
4	Benzene, 2,4-dimethyl-1-(1-methy...	148 C11H16	004706-89-2	68
5	Benzene, 1-(1,1-dimethylethyl)-3...	148 C11H16	001075-38-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

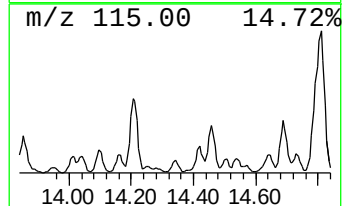
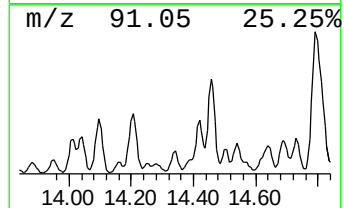
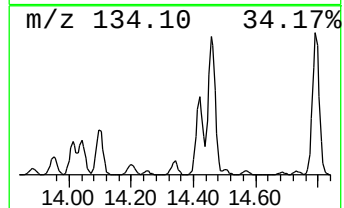
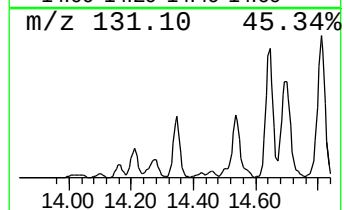
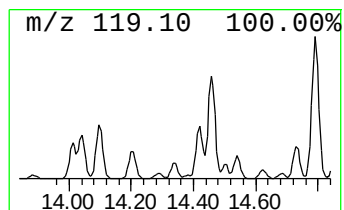
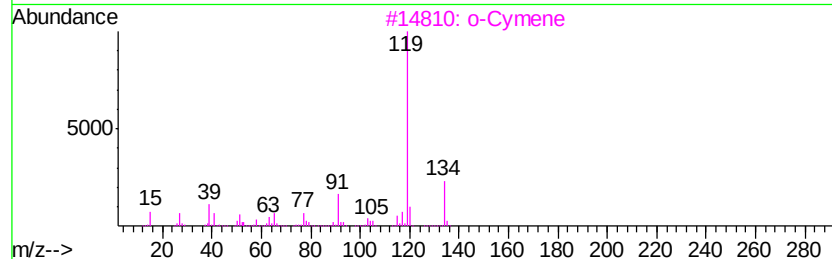
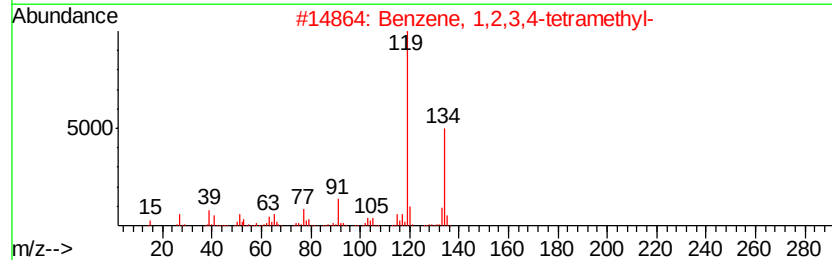
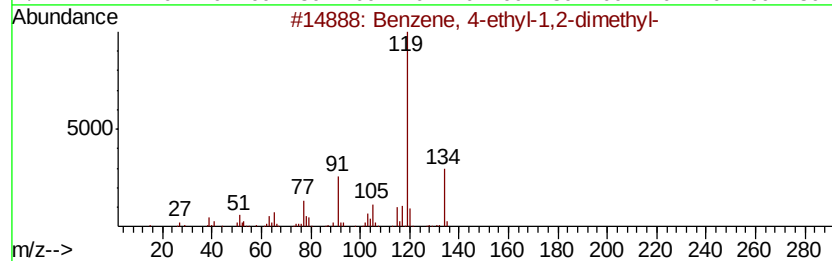
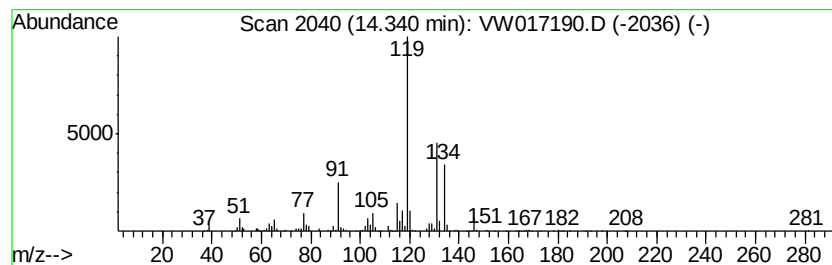
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	13.57 ug/L	415638	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
3		o-Cymene	134	C10H14	000527-84-4	64
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
5		o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

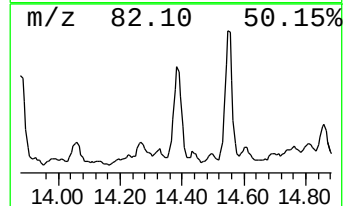
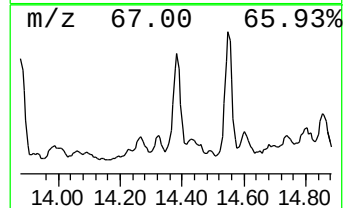
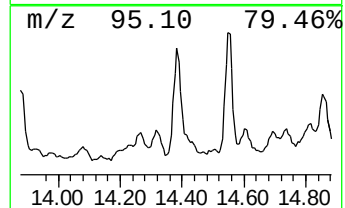
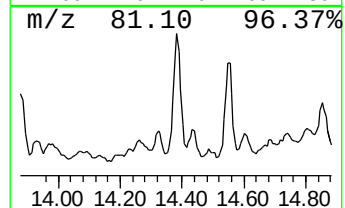
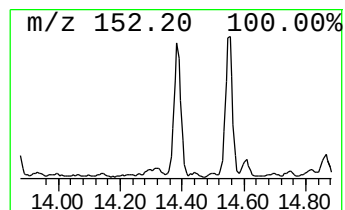
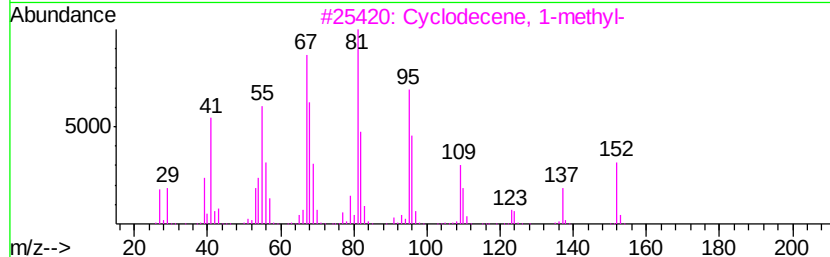
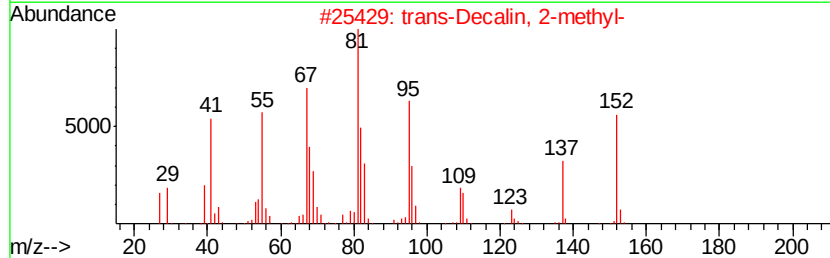
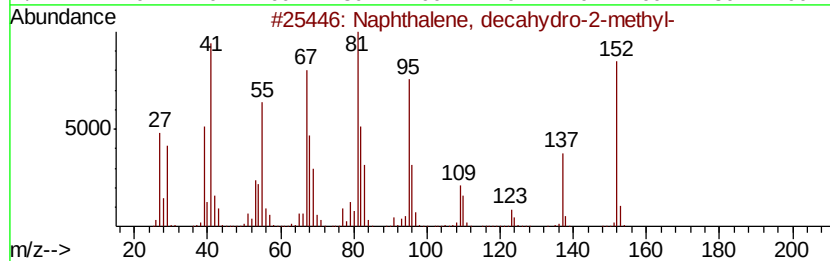
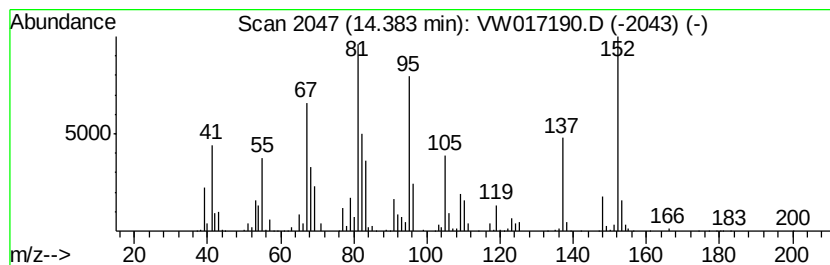
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 27 Naphthalene, decahydro-2-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	22.90 ug/L	701315	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 94
2		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 90
3		Cyclodecene, 1-methyl-	152 C11H20	066633-38-3 80
4		Decalin, anti-1-methyl-, cis-	152 C11H20	1000158-89-0 76
5		(+)-2-Bornanone	152 C10H16O	000464-49-3 64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

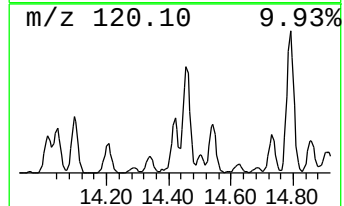
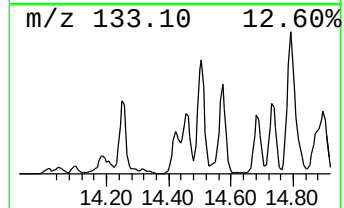
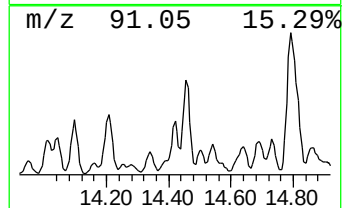
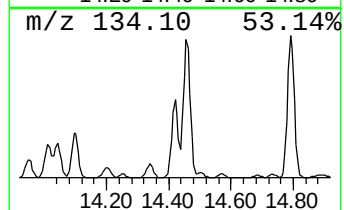
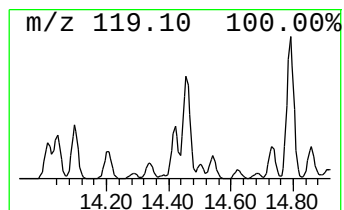
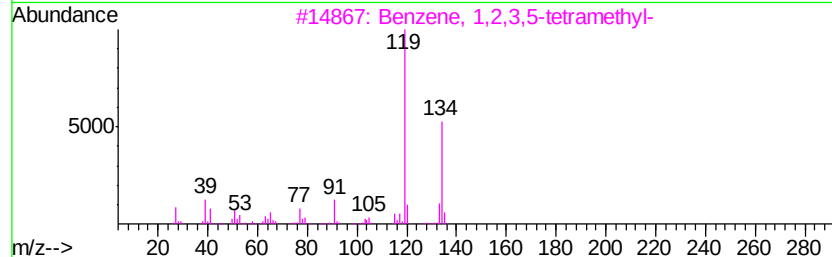
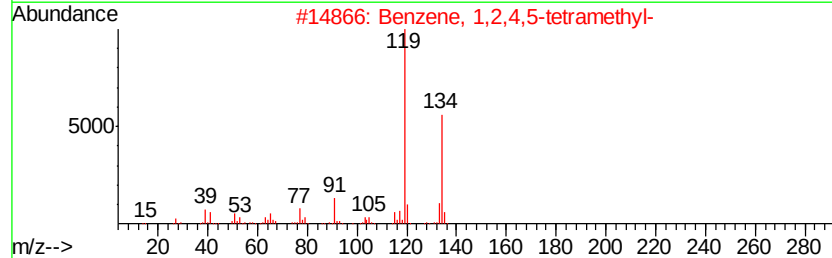
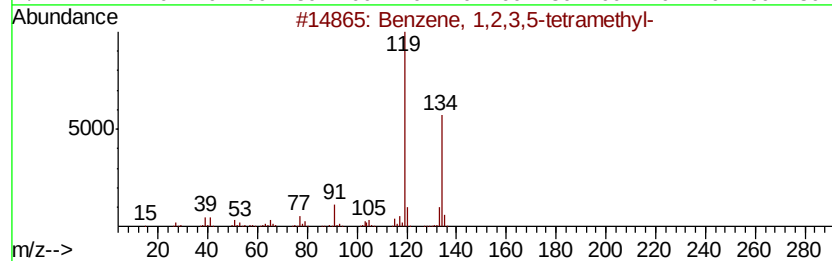
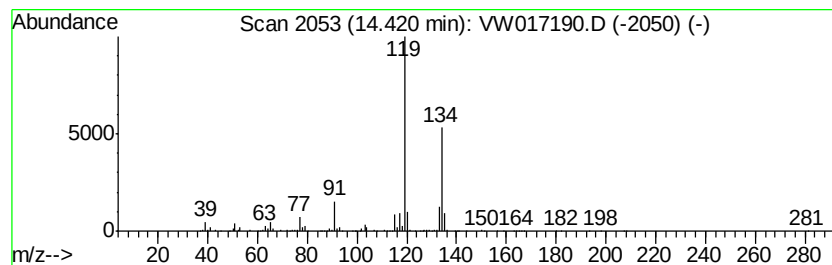
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	41.31 ug/L	1264990	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

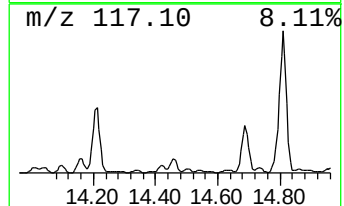
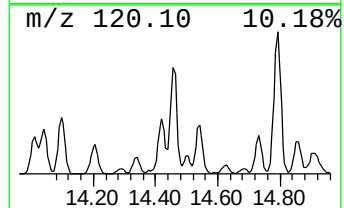
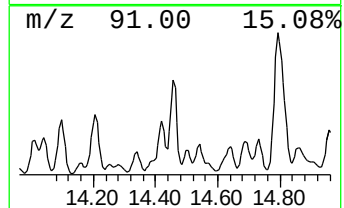
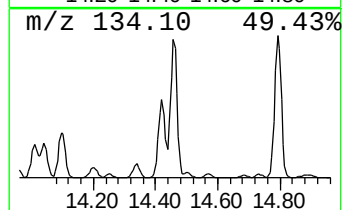
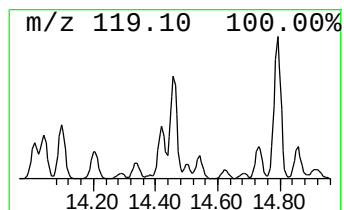
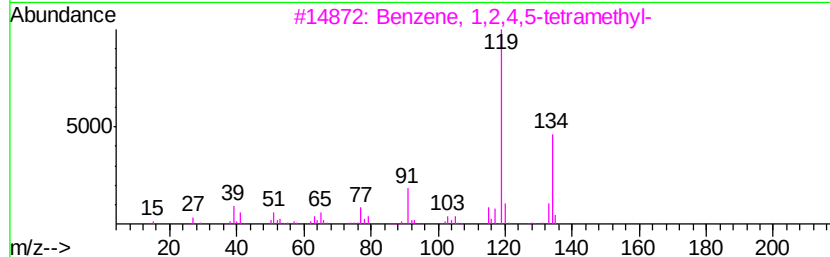
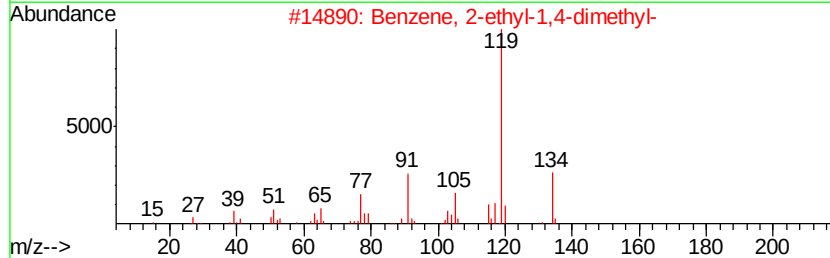
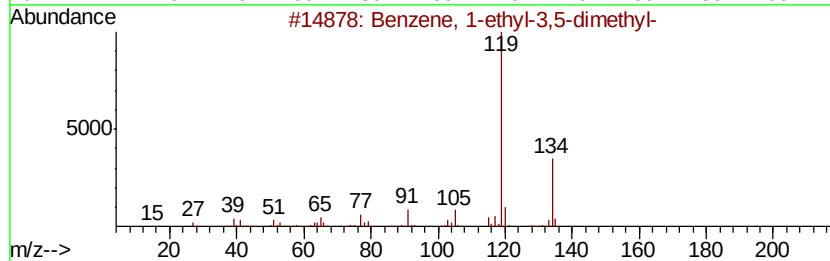
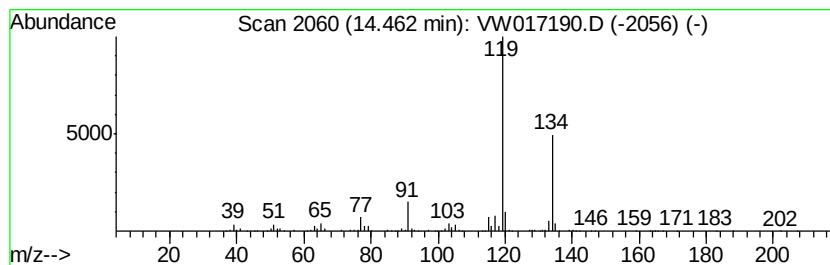
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.46	73.00 ug/L	2235260	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94	
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94	
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94	
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91	
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91	



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

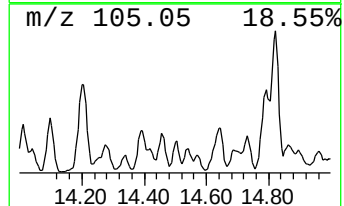
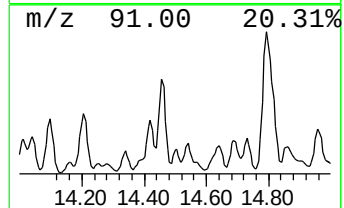
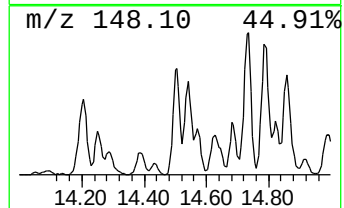
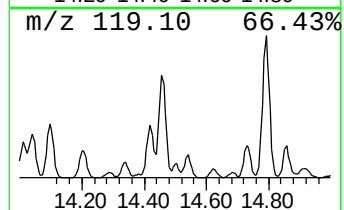
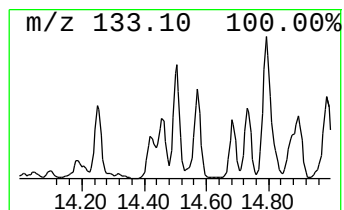
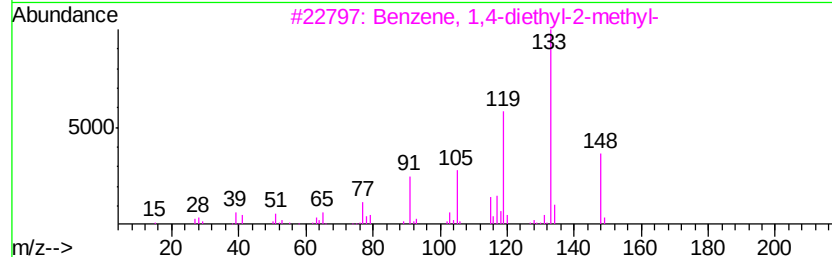
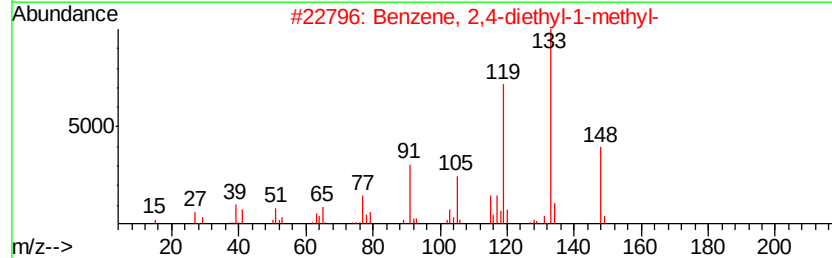
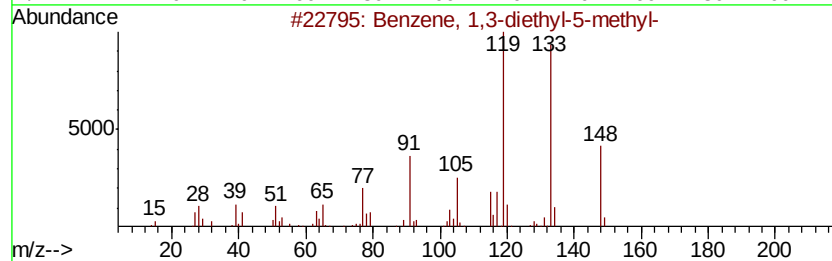
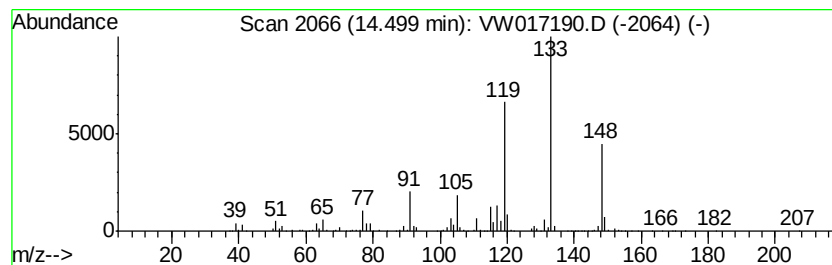
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	13.60 ug/L	416399	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
4		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	90
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

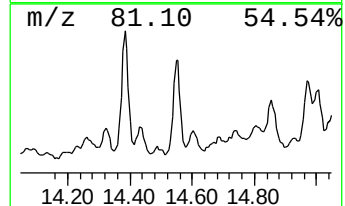
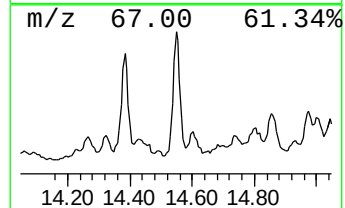
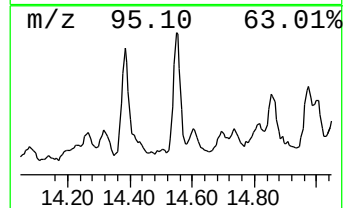
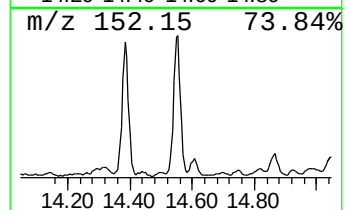
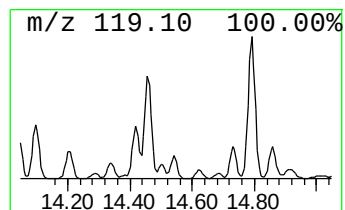
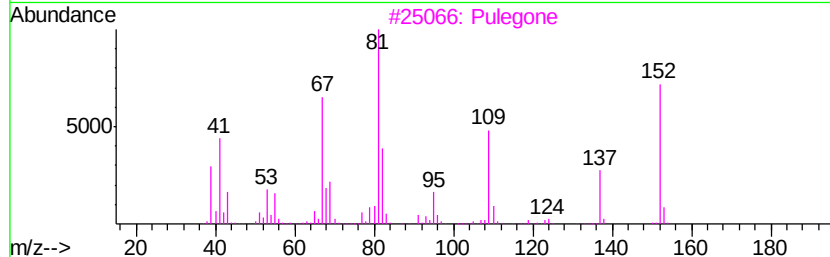
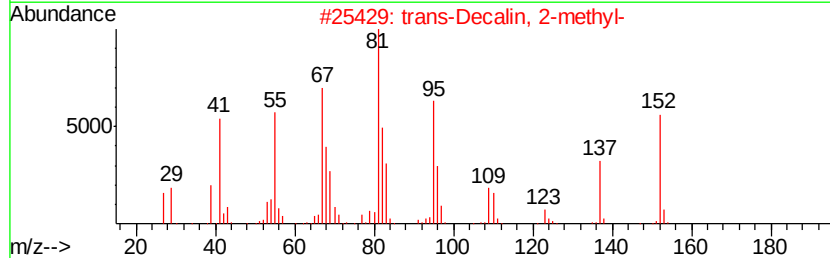
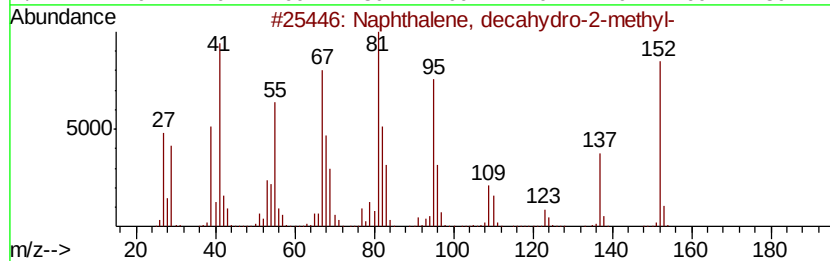
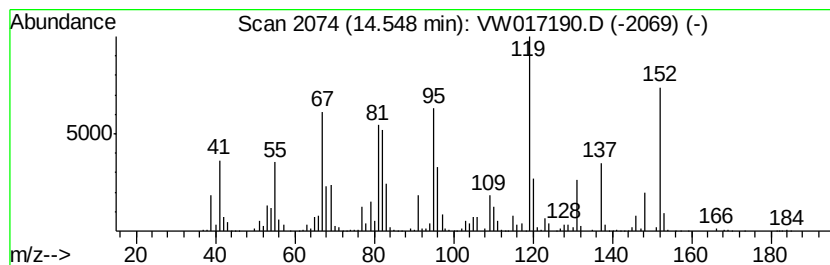
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 31 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	41.30 ug/L	1264720	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 64
2		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 52
3		Pulegone	152 C10H16O	000089-82-7 50
4		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 43
5		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6 38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

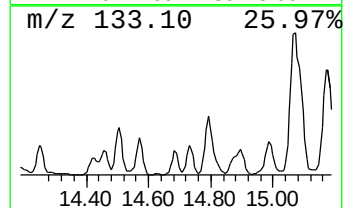
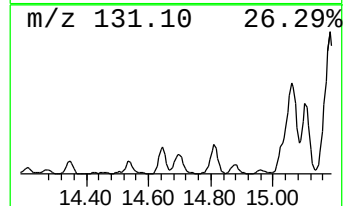
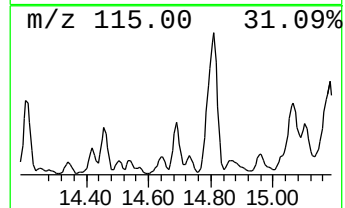
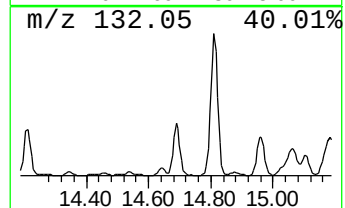
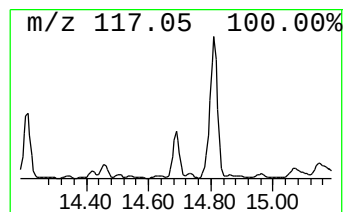
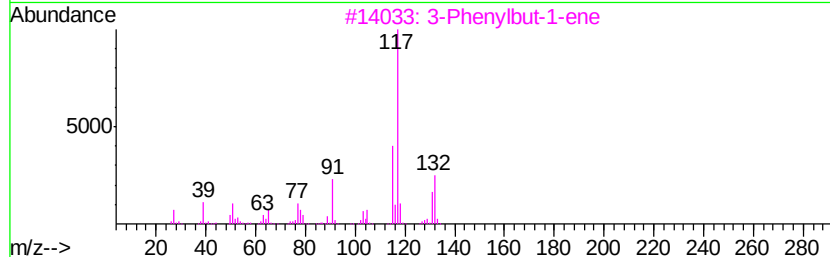
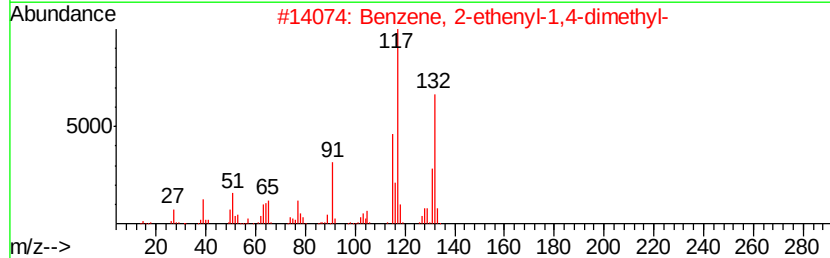
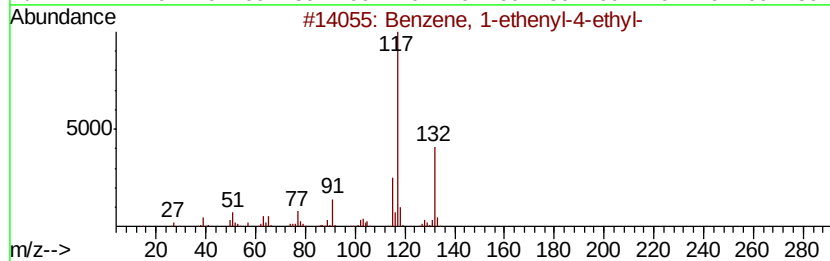
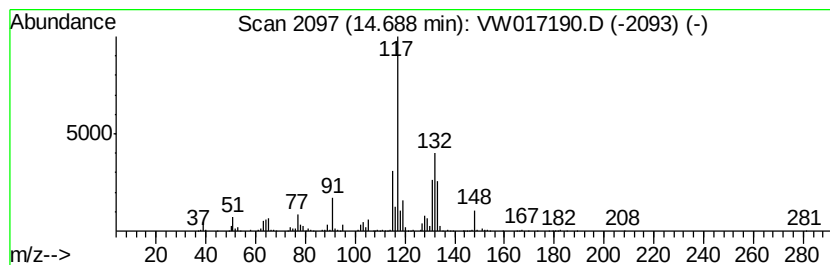
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 32 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	25.73 ug/L	787771	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 93
2		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 90
3		3-Phenylbut-1-ene	132 C10H12	000934-10-1 83
4		1-Phenyl-1-butene	132 C10H12	000824-90-8 81
5		1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1 81



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

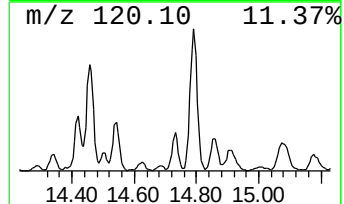
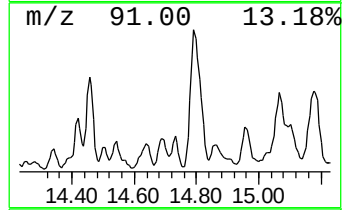
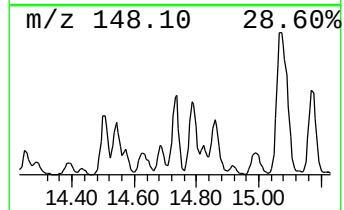
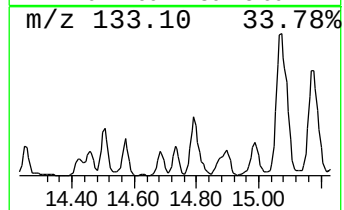
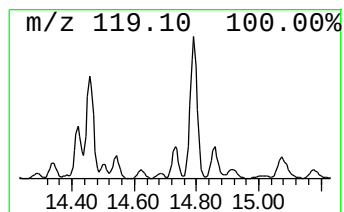
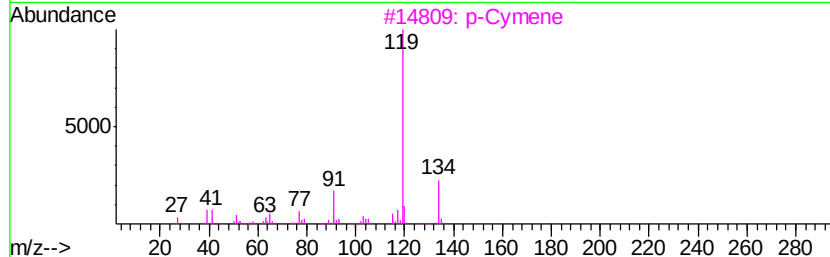
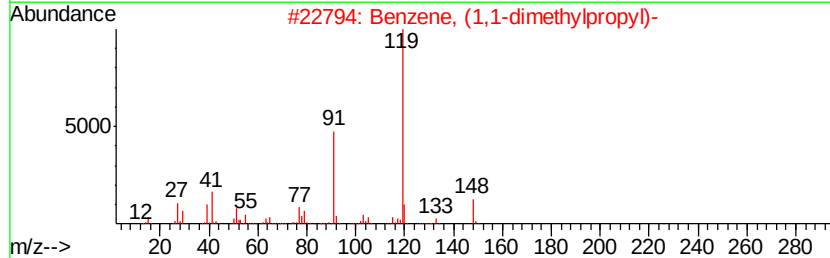
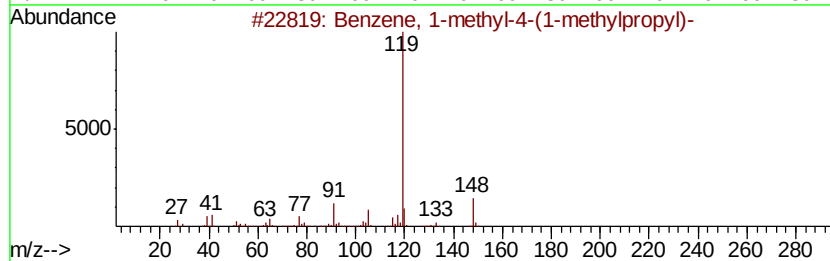
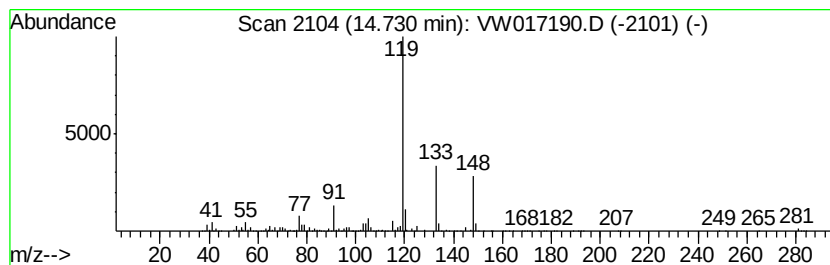
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	25.08 ug/L	768051	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	83
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3		p-Cymene	134	C10H14	000099-87-6	62
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	62
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

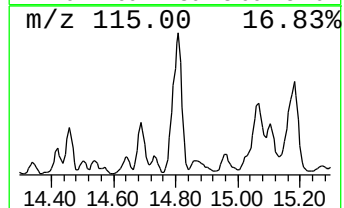
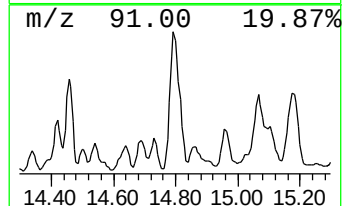
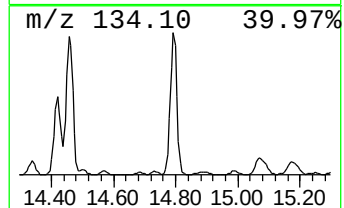
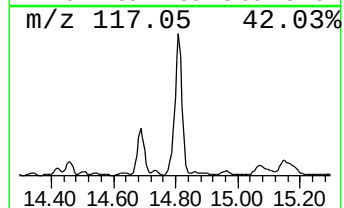
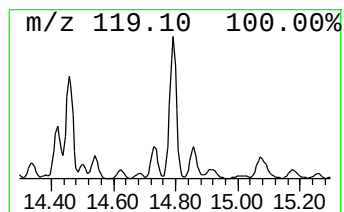
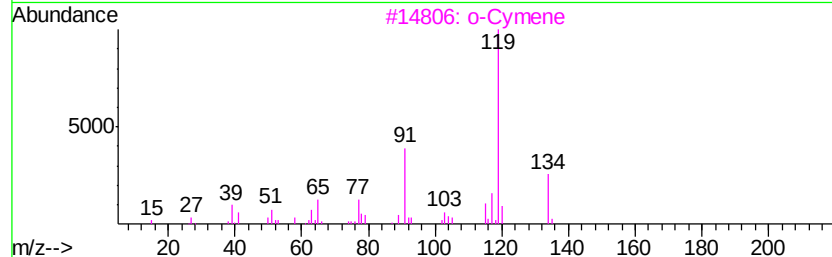
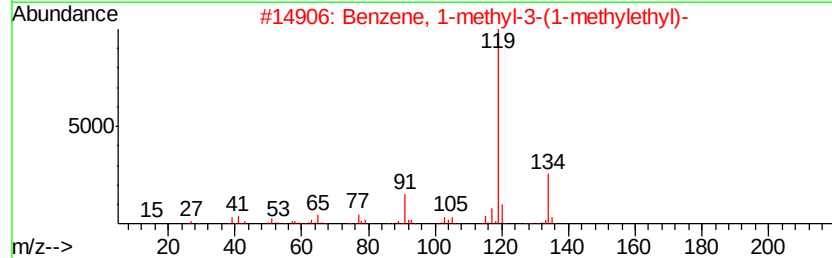
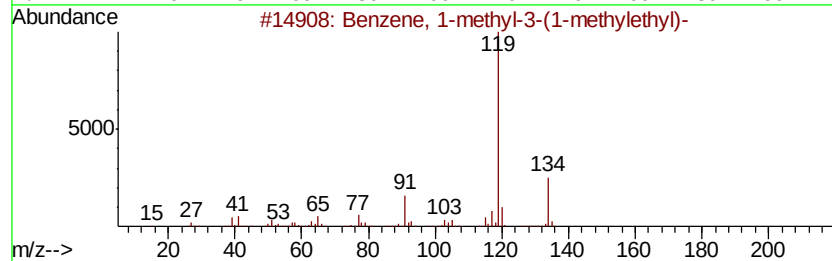
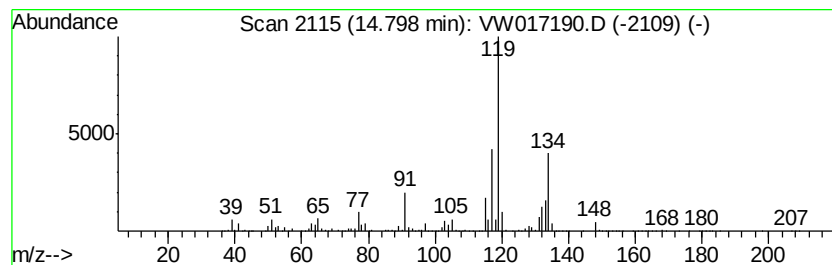
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1-methyl-3-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	185.61 ug/L	5683680	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	70
2		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	70
3		o-Cymene	134	C10H14	000527-84-4	70
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

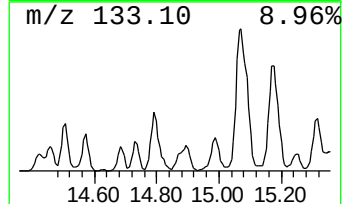
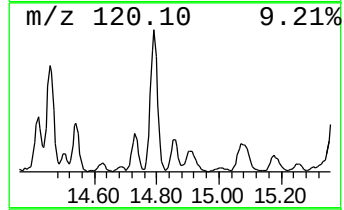
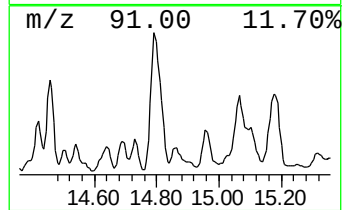
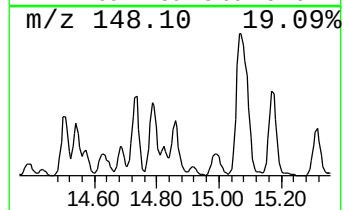
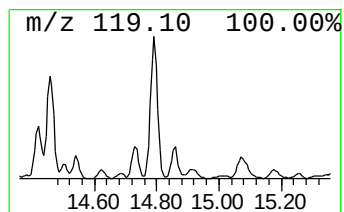
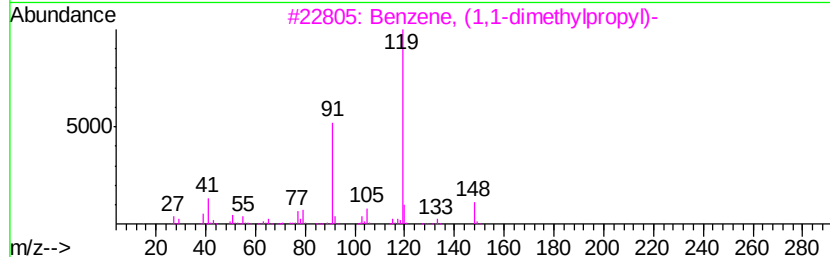
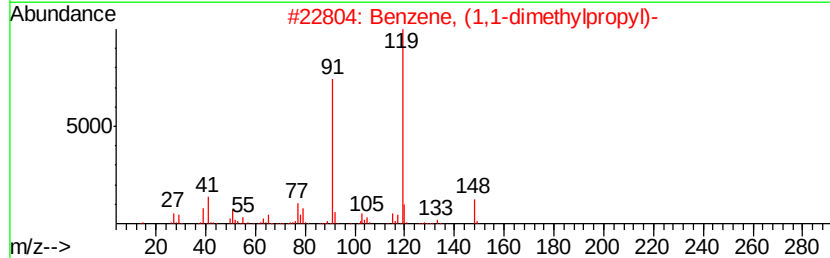
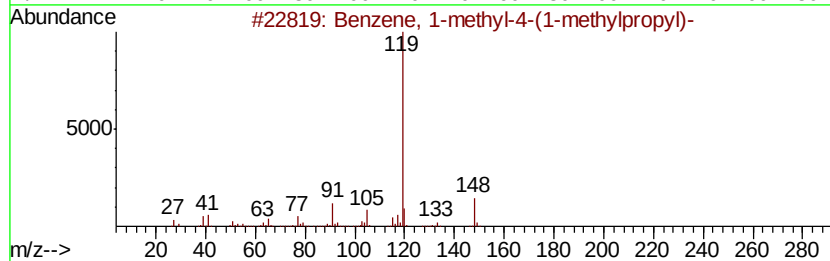
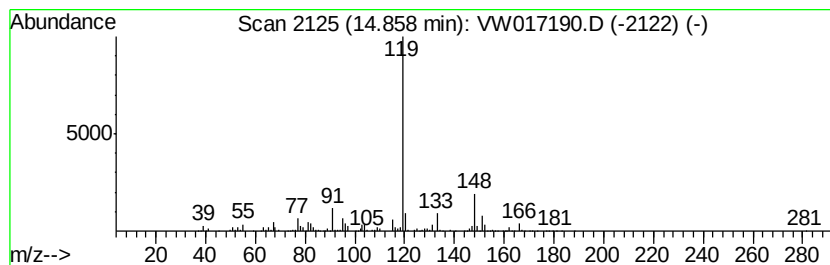
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, (1,1-dimethylpropyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	25.36 ug/L	776561	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0	81
2	Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8	64
3	Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8	64
4	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	50
5	Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

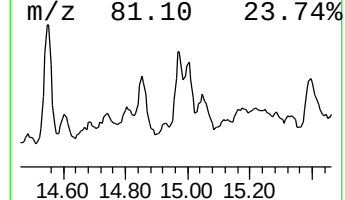
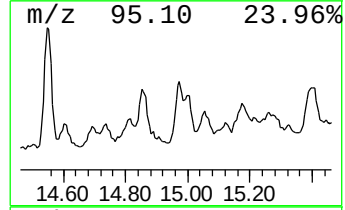
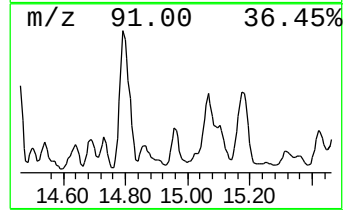
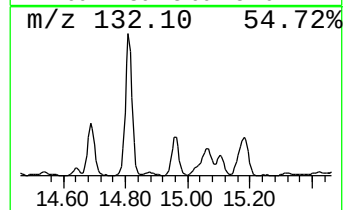
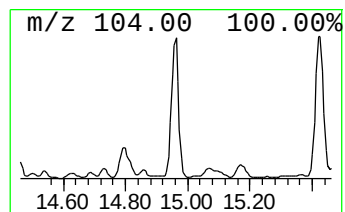
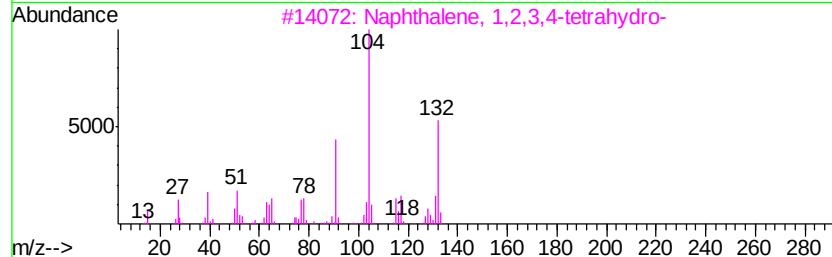
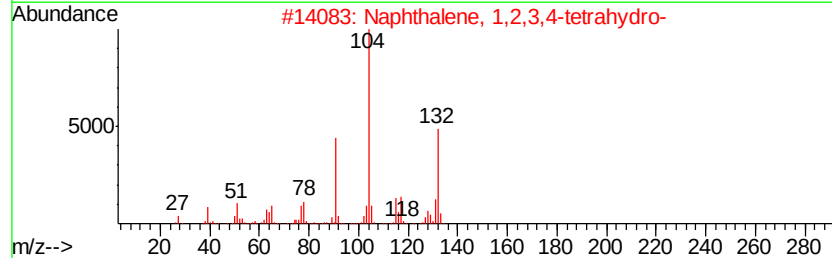
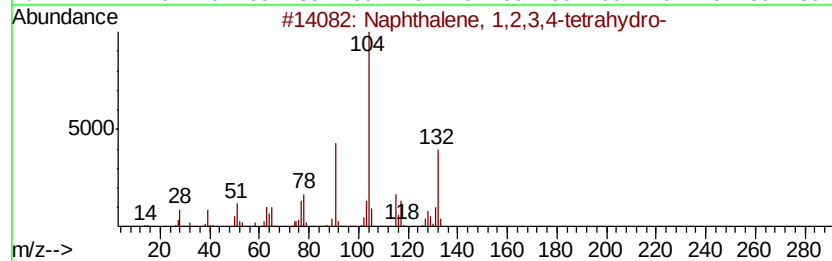
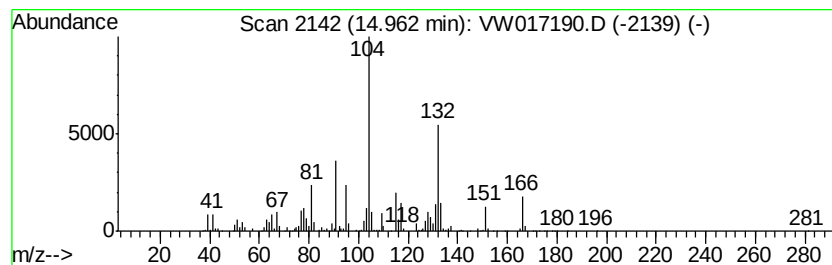
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 36 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.96	15.83 ug/L	484771	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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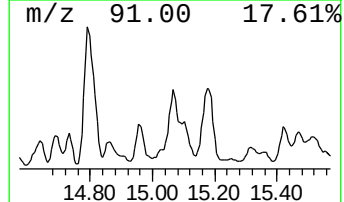
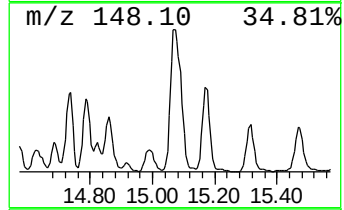
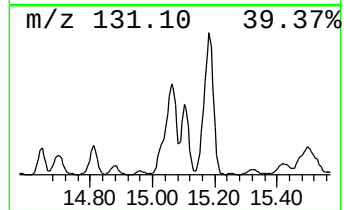
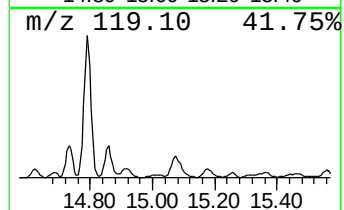
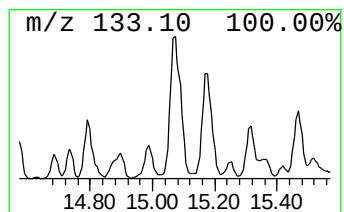
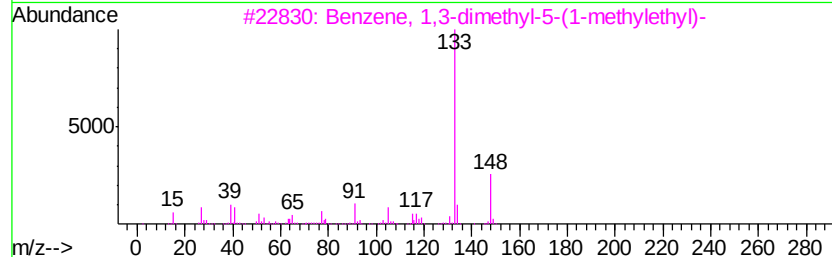
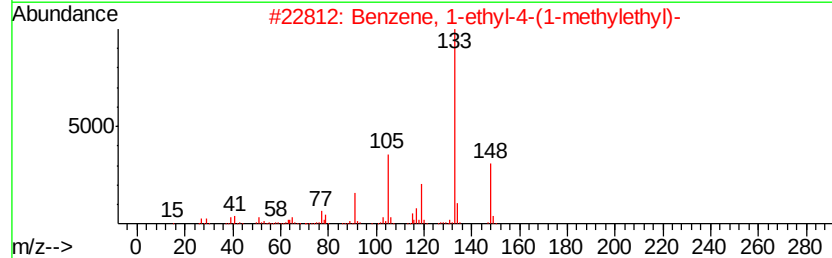
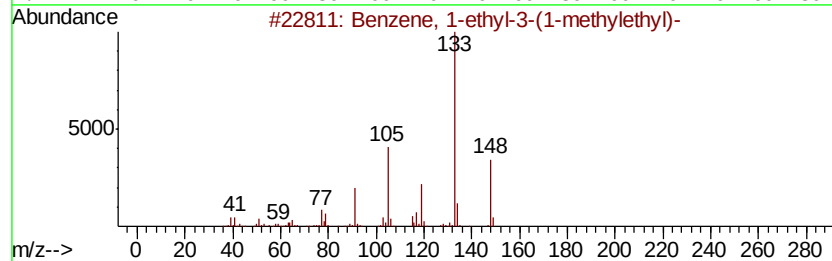
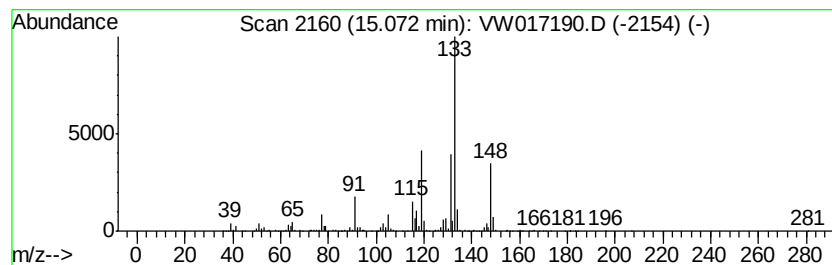
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Quant Title : VOC Analysis

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

Peak Number 37 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	76.73 ug/L	2349540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	62
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
3		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	52
4		1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	52
5		2-tert-Butyltoluene	148	C11H16	001074-92-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

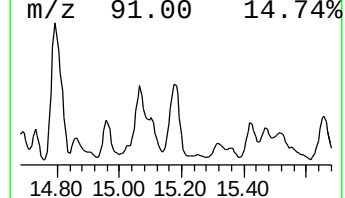
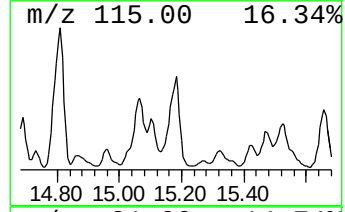
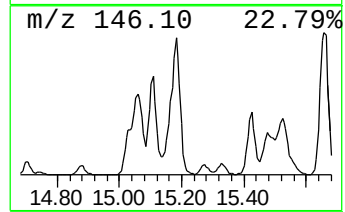
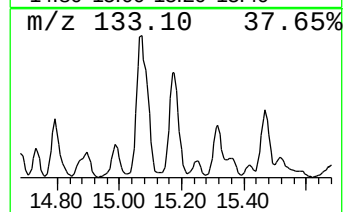
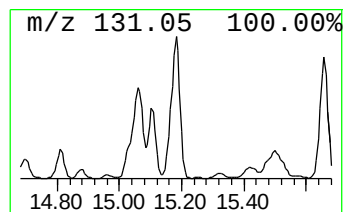
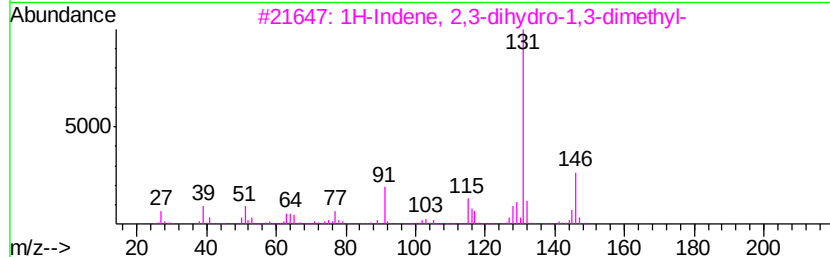
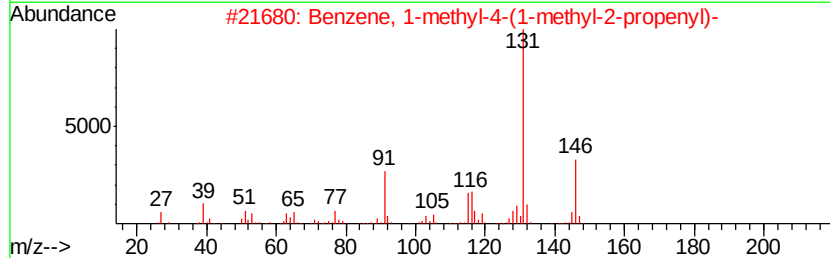
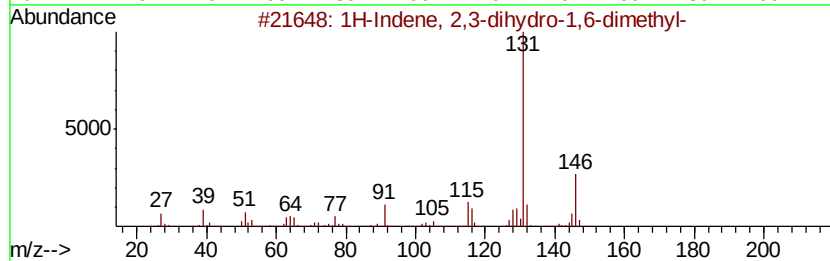
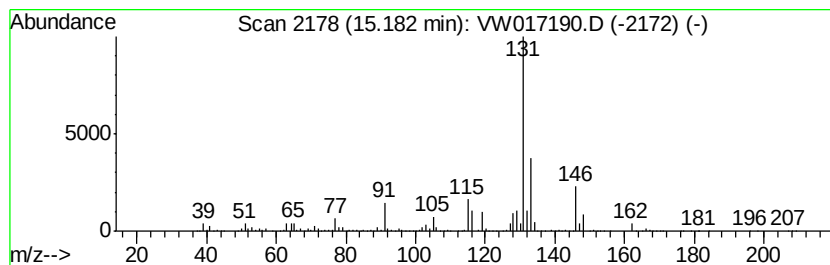
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Quant Title : VOC Analysis

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

Peak Number 38 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	107.23 ug/L	3283670	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	76
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

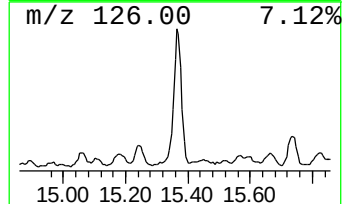
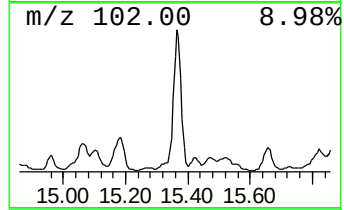
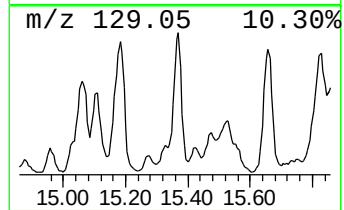
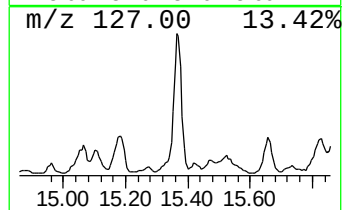
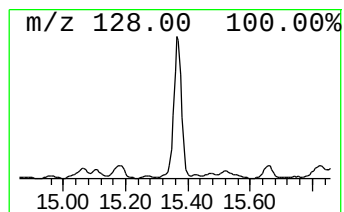
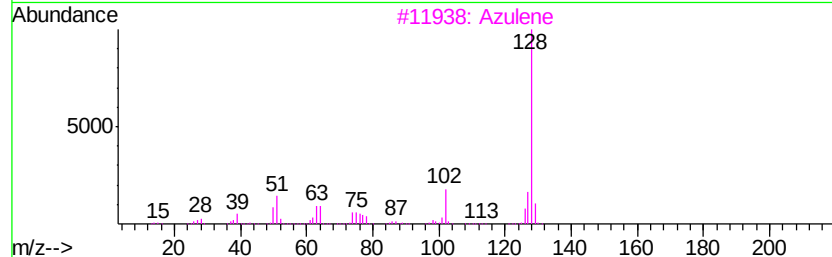
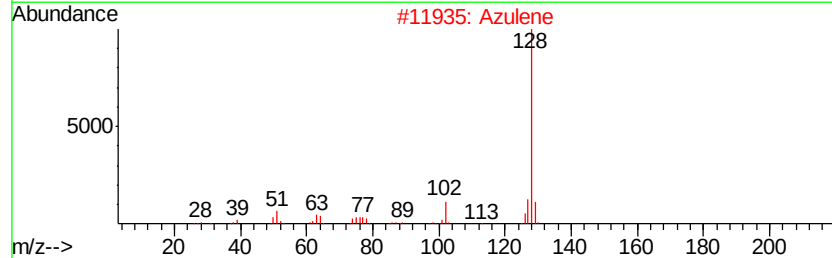
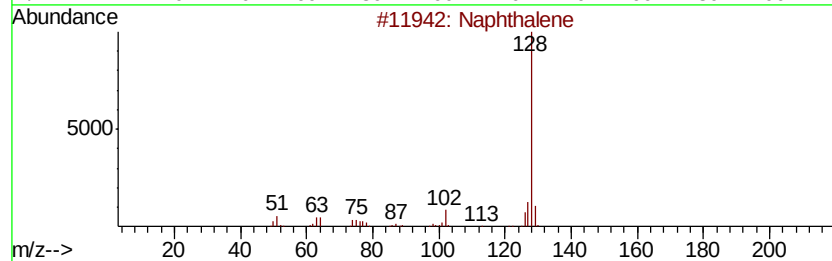
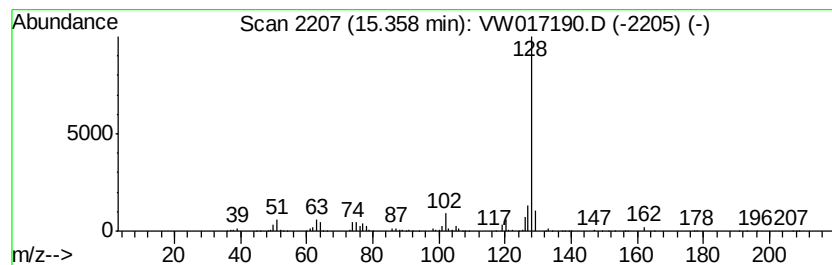
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Quant Title : VOC Analysis

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

Peak Number 39 Azulene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	46.38 ug/L	1420330	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene	128	C10H8	000091-20-3	94
2		Azulene	128	C10H8	000275-51-4	93
3		Azulene	128	C10H8	000275-51-4	90
4		Azulene	128	C10H8	000275-51-4	90
5		Naphthalene	128	C10H8	000091-20-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

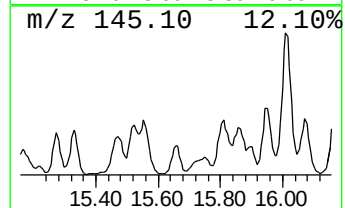
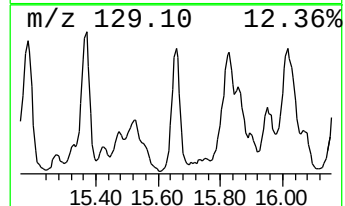
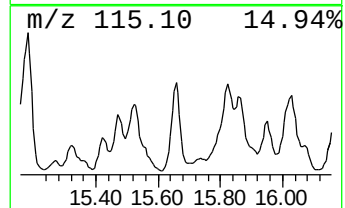
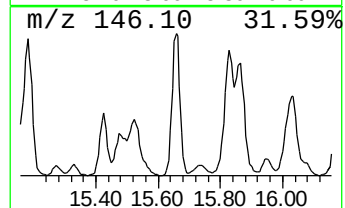
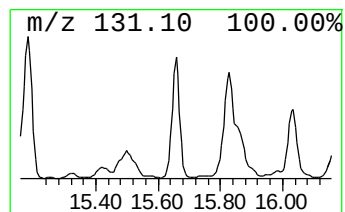
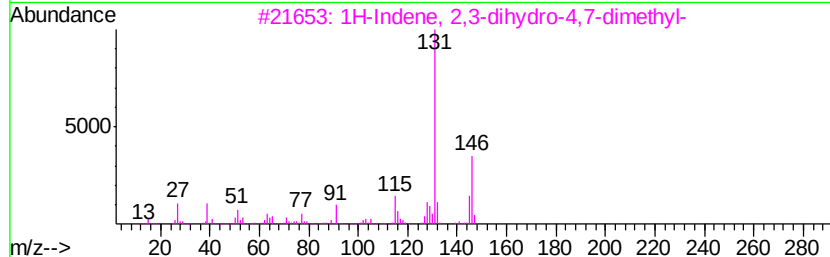
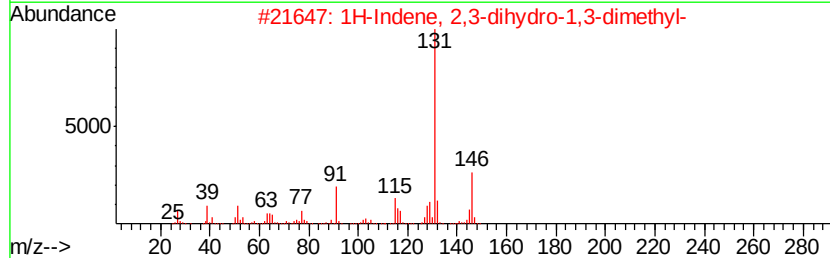
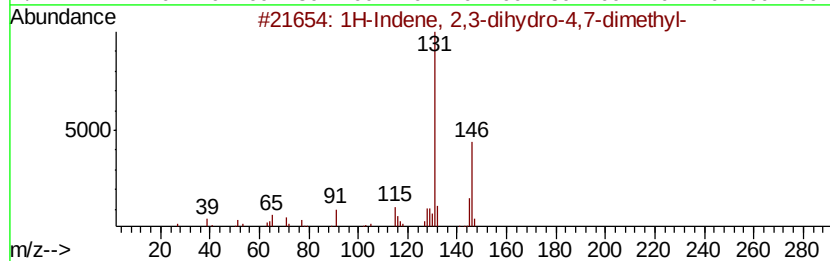
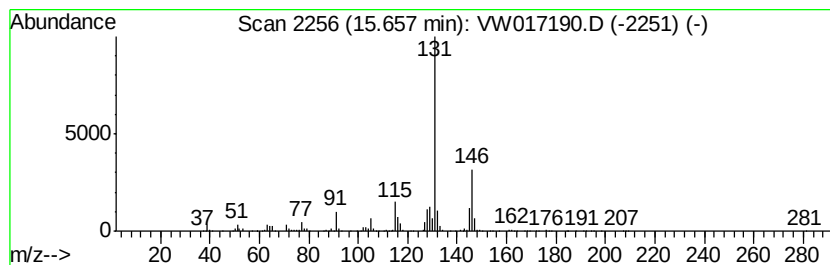
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 40 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	60.60 ug/L	1855570	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

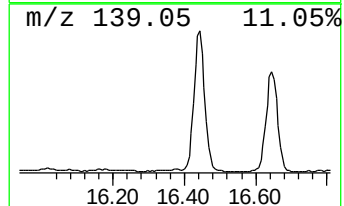
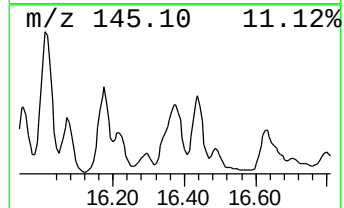
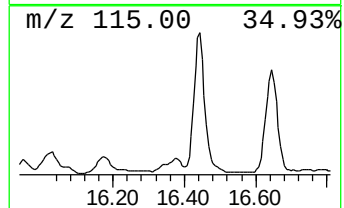
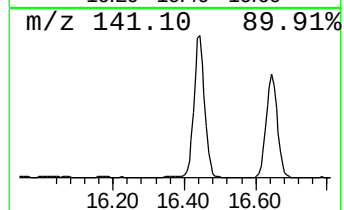
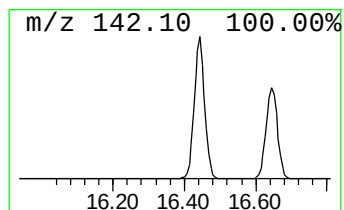
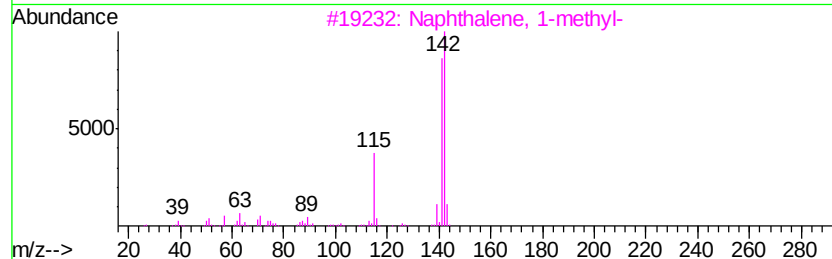
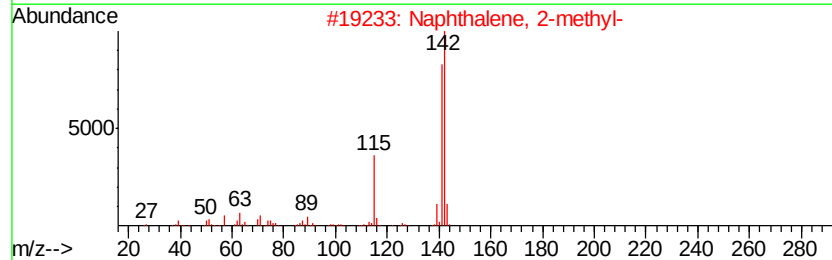
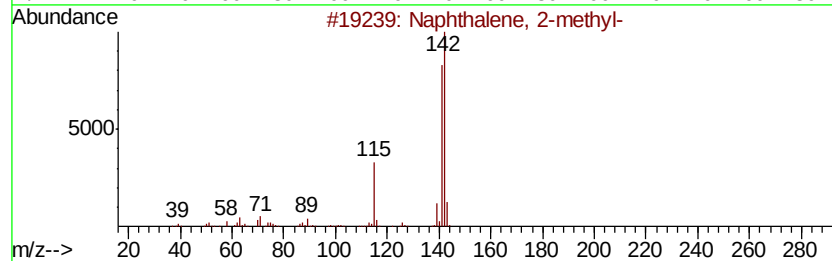
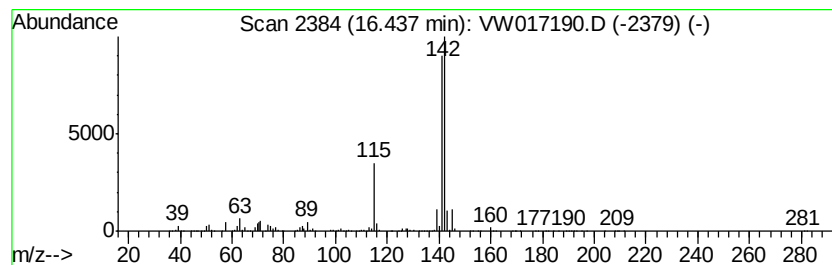
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Quant Title : VOC Analysis

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

Peak Number 41 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	233.93 ug/L	7163180	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111220\
Data File : VW017190.D
Acq On : 12 Nov 2020 17:19
Operator : SY/VA
Sample : L4727-02
Misc : 5.31G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

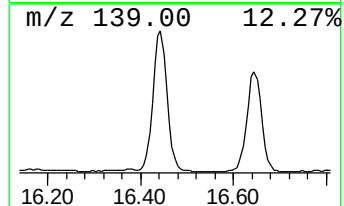
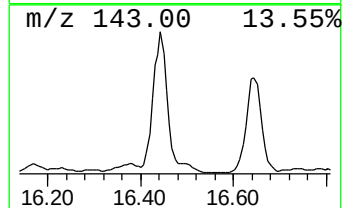
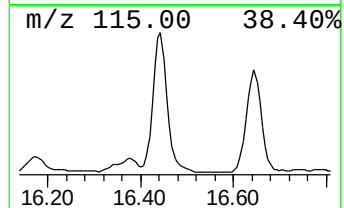
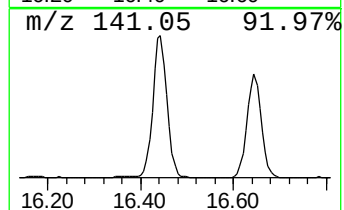
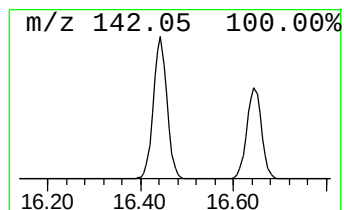
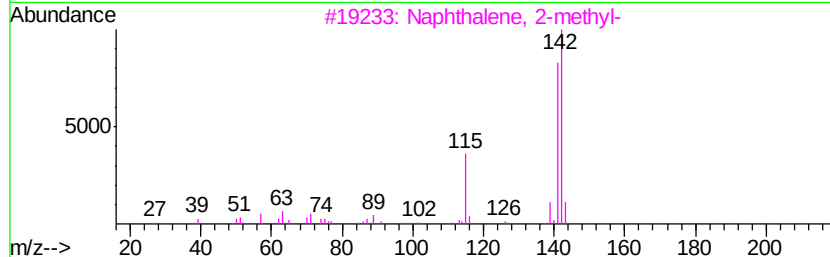
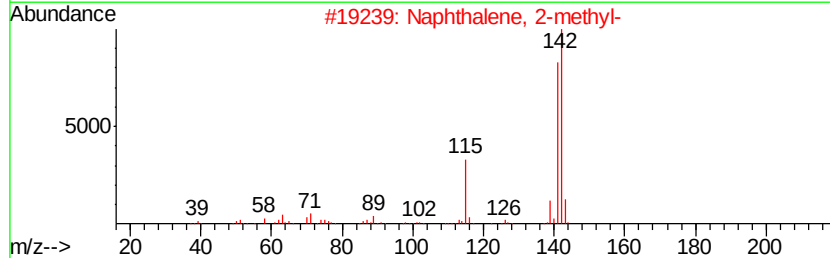
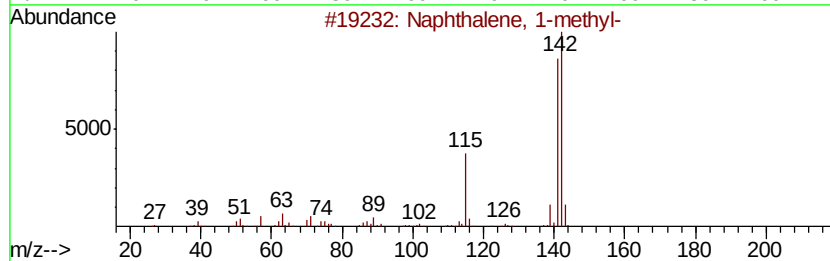
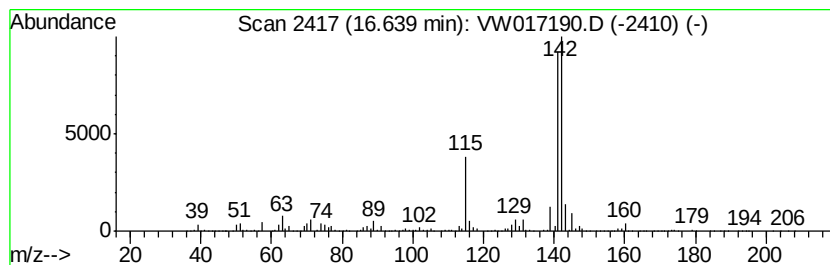
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 42 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	189.67 ug/L	5807840	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
2		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
3		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
4		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 90
5		Benzocycloheptatriene	142 C11H10	000264-09-5 90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111220\
 Data File : VW017190.D
 Acq On : 12 Nov 2020 17:19
 Operator : SY/VA
 Sample : L4727-02
 Misc : 5.31G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	11.97	1.4	ug/L	53058	2	11.63	978724	25.0
(DEL) Alkane: Str...	12.37	13.0	ug/L	507190	2	11.63	978724	25.0
(DEL) Alkane: Cyc...	12.78	13.7	ug/L	420685	3	13.56	765536	25.0
Glycine, furan-2-...	12.87	5.9	ug/L	180957	3	13.56	765536	25.0
Mesitylene	12.94	40.5	ug/L	1241510	3	13.56	765536	25.0
Benzene, 1-ethyl-...	13.10	19.3	ug/L	589978	3	13.56	765536	25.0
Benzene, 1,2,3-tr...	13.26	16.6	ug/L	508685	3	13.56	765536	25.0
o-Cymene	13.44	11.3	ug/L	347369	3	13.56	765536	25.0
(DEL) Alkane: Str...	13.70	8.2	ug/L	251001	3	13.56	765536	25.0
Benzene, cyclopro...	13.76	18.2	ug/L	557402	3	13.56	765536	25.0
Benzene, 2-ethyl-...	13.79	31.2	ug/L	954082	3	13.56	765536	25.0
Benzene, 1-methyl...	13.95	9.5	ug/L	290259	3	13.56	765536	25.0
unknown-01	14.01	28.7	ug/L	879190	3	13.56	765536	25.0
Benzene, 2-ethyl-...	14.10	42.3	ug/L	1294150	3	13.56	765536	25.0
Benzene, (2-methy...	14.16	7.0	ug/L	212830	3	13.56	765536	25.0
Benzene, (2-methy...	14.21	50.4	ug/L	1542550	3	13.56	765536	25.0
3,4-Dimethylcumene	14.26	15.9	ug/L	486775	3	13.56	765536	25.0
Benzene, 4-ethyl-...	14.34	13.6	ug/L	415638	3	13.56	765536	25.0
Naphthalene, deca...	14.38	22.9	ug/L	701315	3	13.56	765536	25.0
Benzene, 1,2,3,5-...	14.42	41.3	ug/L	1264990	3	13.56	765536	25.0
Benzene, 1-ethyl-...	14.46	73.0	ug/L	2235260	3	13.56	765536	25.0
Benzene, 1,3-diet...	14.50	13.6	ug/L	416399	3	13.56	765536	25.0
trans-Decalin, 2-...	14.55	41.3	ug/L	1264720	3	13.56	765536	25.0
Benzene, 1-etheny...	14.69	25.7	ug/L	787771	3	13.56	765536	25.0
Benzene, 1-methyl...	14.73	25.1	ug/L	768051	3	13.56	765536	25.0
Benzene, 1-methyl...	14.80	185.6	ug/L	5683680	3	13.56	765536	25.0
Benzene, (1,1-dim...	14.86	25.4	ug/L	776561	3	13.56	765536	25.0
Naphthalene, 1,2,...	14.96	15.8	ug/L	484771	3	13.56	765536	25.0
Benzene, 1-ethyl-...	15.07	76.7	ug/L	2349540	3	13.56	765536	25.0
1H-Indene, 2,3-di...	15.18	107.2	ug/L	3283670	3	13.56	765536	25.0
Azulene	15.36	46.4	ug/L	1420330	3	13.56	765536	25.0
1H-Indene, 2,3-di...	15.66	60.6	ug/L	1855570	3	13.56	765536	25.0
Naphthalene, 2-me...	16.44	233.9	ug/L	7163180	3	13.56	765536	25.0
Naphthalene, 1-me...	16.64	189.7	ug/L	5807840	3	13.56	765536	25.0