

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
 Data File : VW016029.D
 Acq On : 03 Aug 2020 12:43
 Operator : SY/VA
 Sample : L3533-01
 Misc : 3.22G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CB7H4

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	66	74	85	rBV	91484	180314	13.60%	1.043%
2	2.898	155	163	177	rVV	66250	168805	12.73%	0.976%
3	3.391	236	244	253	rBV2	12549	28287	2.13%	0.164%
4	4.013	334	346	361	rBV	176109	506537	38.21%	2.929%
5	4.922	478	495	513	rBV	45658	164992	12.45%	0.954%
6	5.940	652	662	677	rBV2	15971	48205	3.64%	0.279%
7	7.092	842	851	856	rBV	30900	83789	6.32%	0.484%
8	7.159	856	862	879	rVB	25898	80361	6.06%	0.465%
9	7.653	932	943	958	rBV	227548	559876	42.24%	3.237%
10	7.939	981	990	999	rBV5	6858	25512	1.92%	0.148%
11	8.031	999	1005	1017	rVB3	8063	21873	1.65%	0.126%
12	8.159	1017	1026	1033	rBV	11124	24447	1.84%	0.141%
13	8.281	1033	1046	1062	rVV2	466924	1325617	100.00%	7.665%
14	8.439	1063	1072	1074	rVV5	6897	15992	1.21%	0.092%
15	8.482	1074	1079	1089	rVV	13986	43379	3.27%	0.251%
16	8.573	1089	1094	1105	rVB3	8457	19787	1.49%	0.114%
17	8.848	1130	1139	1151	rBV	479906	944354	71.24%	5.460%
18	9.086	1168	1178	1187	rBV10	10554	33105	2.50%	0.191%
19	9.238	1195	1203	1204	rBV	43463	72420	5.46%	0.419%
20	9.281	1204	1210	1216	rVV	298332	623043	47.00%	3.602%
21	9.335	1216	1219	1225	rVB2	44548	84157	6.35%	0.487%
22	9.610	1255	1264	1270	rBV4	8605	19741	1.49%	0.114%
23	9.756	1281	1288	1296	rBV3	23918	49163	3.71%	0.284%
24	9.896	1300	1311	1317	rBV2	25612	53793	4.06%	0.311%
25	10.037	1328	1334	1340	rVV	145003	256216	19.33%	1.481%
26	10.098	1340	1344	1348	rVB4	8711	16127	1.22%	0.093%
27	10.250	1365	1369	1374	rVB3	7996	14720	1.11%	0.085%
28	10.329	1374	1382	1391	rBV	642641	1179971	89.01%	6.823%
29	10.500	1403	1410	1417	rVB6	21066	55886	4.22%	0.323%
30	10.579	1417	1423	1433	rBV	91300	176919	13.35%	1.023%
31	10.671	1433	1438	1441	rVV	31644	56281	4.25%	0.325%
32	10.707	1441	1444	1449	rVV	27446	47338	3.57%	0.274%
33	10.768	1449	1454	1464	rVV7	22887	56624	4.27%	0.327%
34	10.854	1464	1468	1473	rVB5	8924	17232	1.30%	0.100%

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Integration Parameters: LSCINT.P

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

35	10.927	1473	1480	1488	rBV2	132447	248424	18.74%	1.436%
36	11.073	1500	1504	1508	rVV2	30987	55606	4.19%	0.322%
37	11.110	1508	1510	1513	rVV2	10350	13734	1.04%	0.079%
38	11.183	1513	1522	1526	rVV	44481	91285	6.89%	0.528%
39	11.231	1526	1530	1535	rVV	55609	95721	7.22%	0.553%
40	11.286	1535	1539	1543	rVV3	11941	18466	1.39%	0.107%
41	11.341	1543	1548	1552	rVV3	18560	31372	2.37%	0.181%
42	11.439	1552	1564	1572	rVB4	35015	95452	7.20%	0.552%
43	11.512	1572	1576	1581	rBV	17974	30782	2.32%	0.178%
44	11.634	1588	1596	1605	rBV	562819	968525	73.06%	5.600%
45	11.725	1606	1611	1615	rBV2	13580	23347	1.76%	0.135%
46	11.768	1615	1618	1621	rVB2	12210	15327	1.16%	0.089%
47	11.823	1621	1627	1630	rBV4	38106	73132	5.52%	0.423%
48	11.878	1633	1636	1640	rVB2	26220	39841	3.01%	0.230%
49	11.975	1648	1652	1657	rBV6	6696	14728	1.11%	0.085%
50	12.048	1658	1664	1671	rVB5	18064	45728	3.45%	0.264%
51	12.140	1671	1679	1686	rBV4	65642	172237	12.99%	0.996%
52	12.256	1694	1698	1702	rVB	46086	72071	5.44%	0.417%
53	12.304	1702	1706	1707	rBV	22693	28818	2.17%	0.167%
54	12.341	1707	1712	1723	rVV5	65799	234080	17.66%	1.353%
55	12.475	1728	1734	1738	rVV4	43419	80839	6.10%	0.467%
56	12.609	1752	1756	1762	rVB	58220	102087	7.70%	0.590%
57	12.695	1762	1770	1778	rBV	216255	446022	33.65%	2.579%
58	12.786	1780	1785	1792	rVB3	92863	198046	14.94%	1.145%
59	12.865	1792	1798	1802	rBV5	40877	92575	6.98%	0.535%
60	12.945	1802	1811	1817	rVV5	101015	262278	19.79%	1.516%
61	12.993	1817	1819	1823	rVB2	32213	38442	2.90%	0.222%
62	13.048	1823	1828	1831	rBV4	41772	77020	5.81%	0.445%
63	13.085	1831	1834	1837	rVB2	19255	24565	1.85%	0.142%
64	13.170	1843	1848	1853	rBV4	78193	131052	9.89%	0.758%
65	13.256	1859	1862	1865	rBV3	22640	29035	2.19%	0.168%
66	13.298	1865	1869	1873	rVB2	31488	44013	3.32%	0.254%
67	13.341	1874	1876	1879	rVV4	14109	18447	1.39%	0.107%
68	13.384	1879	1883	1887	rVV3	34643	55092	4.16%	0.319%
69	13.451	1888	1894	1897	rVV3	65061	126105	9.51%	0.729%
70	13.493	1897	1901	1907	rVB2	56248	105414	7.95%	0.610%
71	13.560	1907	1912	1921	rVB	334736	567473	42.81%	3.281%

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72	13.719	1931	1938	1941	rBV3	49538	103109	7.78%	0.596%
73	13.762	1941	1945	1947	rVB2	28057	30853	2.33%	0.178%
74	13.798	1948	1951	1954	rBV2	23269	27238	2.05%	0.157%
75	13.859	1955	1961	1969	rVB2	278758	707516	53.37%	4.091%
76	14.018	1984	1987	1989	rBV3	22802	31975	2.41%	0.185%
77	14.097	1996	2000	2005	rVB	188203	278125	20.98%	1.608%
78	14.207	2013	2018	2023	rVB3	174069	297746	22.46%	1.722%
79	14.268	2023	2028	2034	rBV6	66176	142283	10.73%	0.823%
80	14.347	2034	2041	2044	rBV3	69033	145448	10.97%	0.841%
81	14.389	2044	2048	2050	rVV2	127996	194961	14.71%	1.127%
82	14.420	2050	2053	2057	rVV2	165930	264798	19.98%	1.531%
83	14.457	2057	2059	2063	rVB	60236	76967	5.81%	0.445%
84	14.505	2063	2067	2070	rBV	67842	106313	8.02%	0.615%
85	14.548	2070	2074	2081	rVB4	79847	182590	13.77%	1.056%
86	14.700	2095	2099	2101	rBV4	40086	64811	4.89%	0.375%
87	14.737	2101	2105	2109	rVB3	74506	120227	9.07%	0.695%
88	14.798	2109	2115	2120	rBV2	210976	499910	37.71%	2.890%
89	14.853	2121	2124	2131	rVB2	124596	243442	18.36%	1.408%
90	15.011	2147	2150	2151	rBV2	24085	27916	2.11%	0.161%
91	15.066	2155	2159	2163	rBV3	128189	203974	15.39%	1.179%
92	15.176	2172	2177	2185	rVB4	165775	375922	28.36%	2.174%
93	15.328	2197	2202	2210	rVB2	180473	301432	22.74%	1.743%
94	15.414	2212	2216	2219	rBV6	35183	69335	5.23%	0.401%
95	15.658	2249	2256	2263	rBV5	75774	223969	16.90%	1.295%
96	15.737	2265	2269	2274	rVB7	51978	92584	6.98%	0.535%
97	15.950	2301	2304	2309	rVB4	48000	80007	6.04%	0.463%
98	16.176	2335	2341	2346	rBV4	58452	126586	9.55%	0.732%
99	16.292	2355	2360	2366	rVB2	100426	181200	13.67%	1.048%
100	16.639	2411	2417	2429	rVB9	75097	271813	20.50%	1.572%

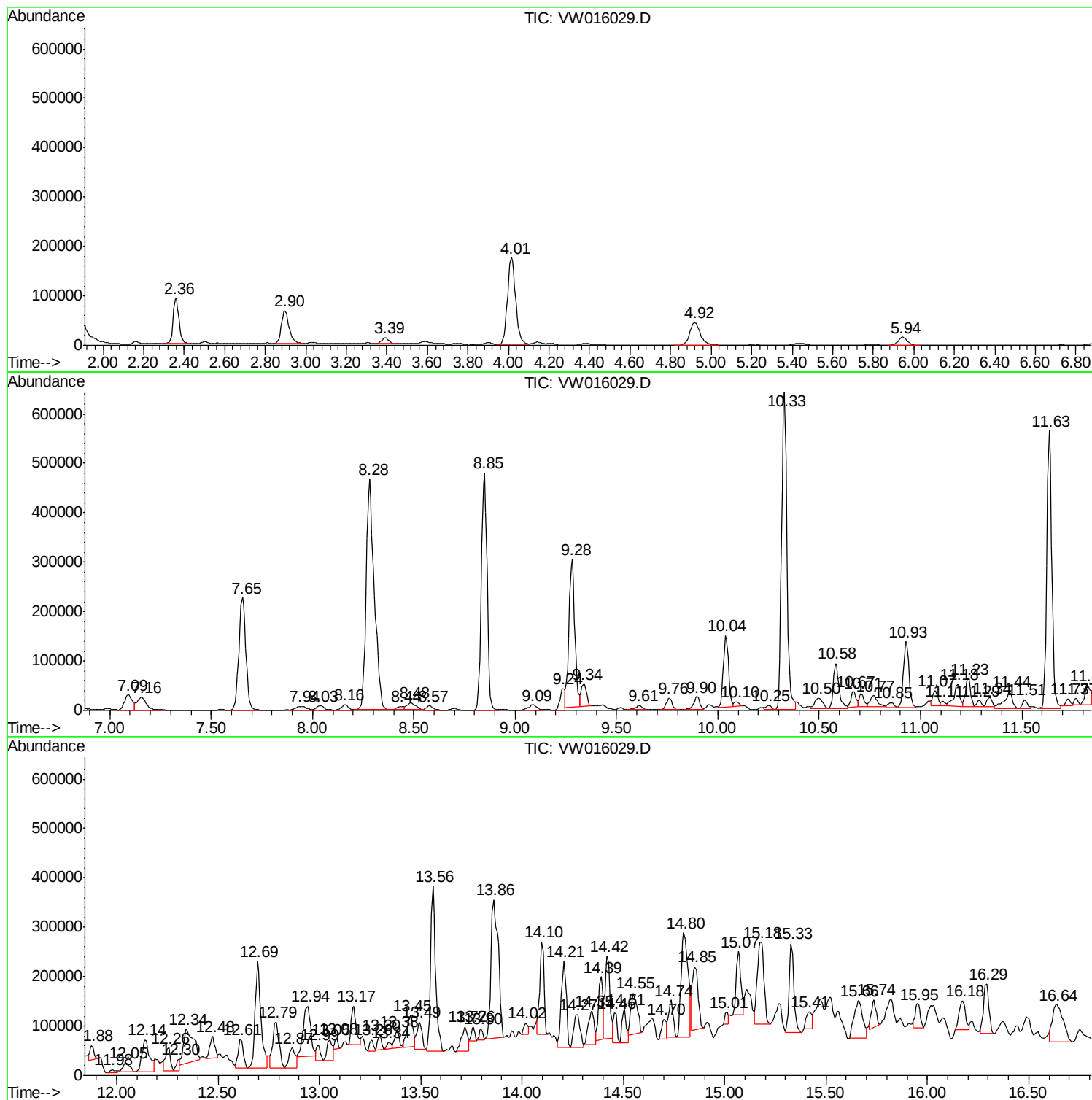
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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



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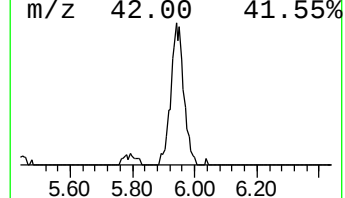
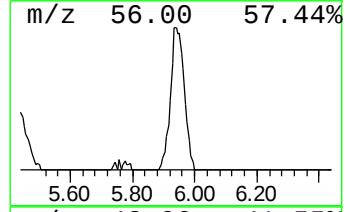
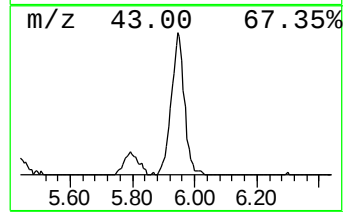
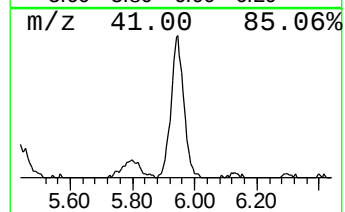
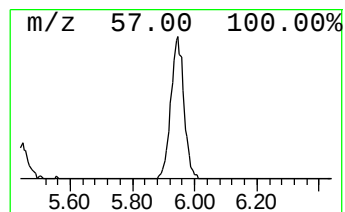
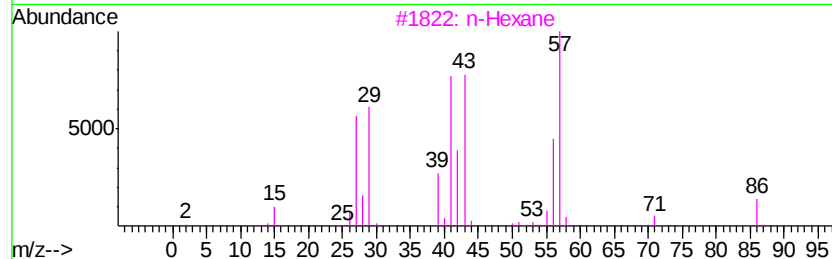
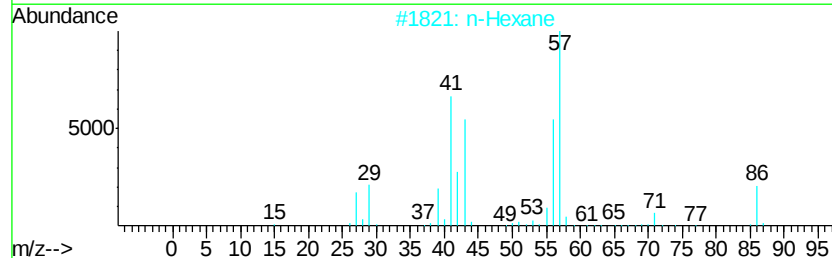
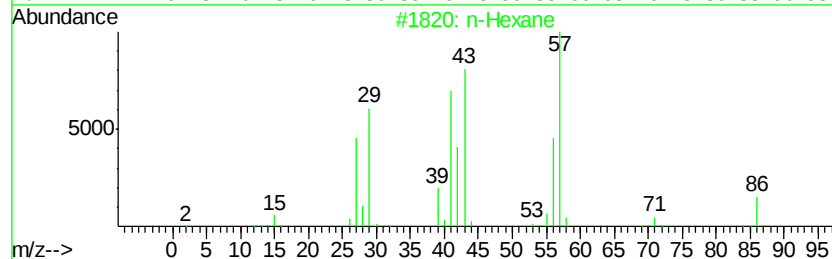
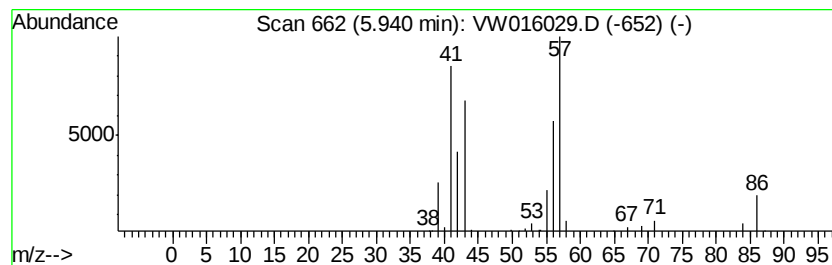
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	1.28 ug/L	48205	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	78
2		n-Hexane	86	C6H14	000110-54-3	76
3		n-Hexane	86	C6H14	000110-54-3	53
4		Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	50
5		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42



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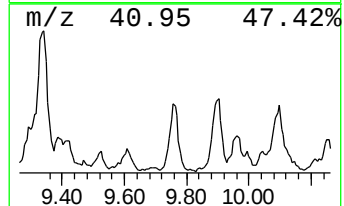
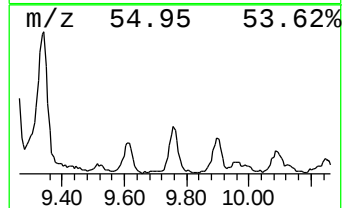
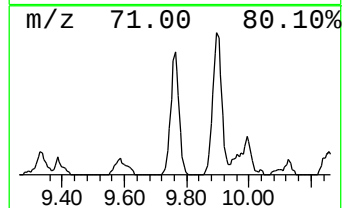
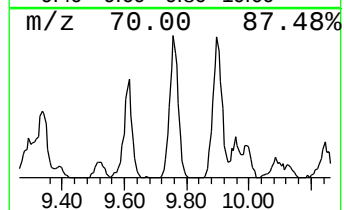
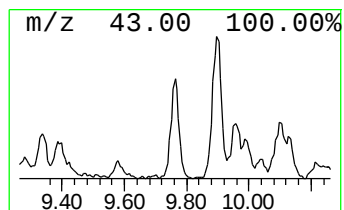
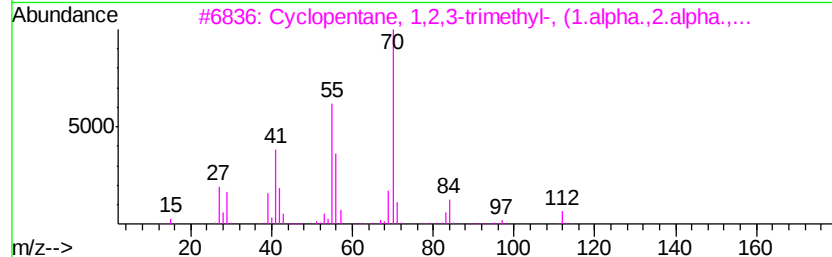
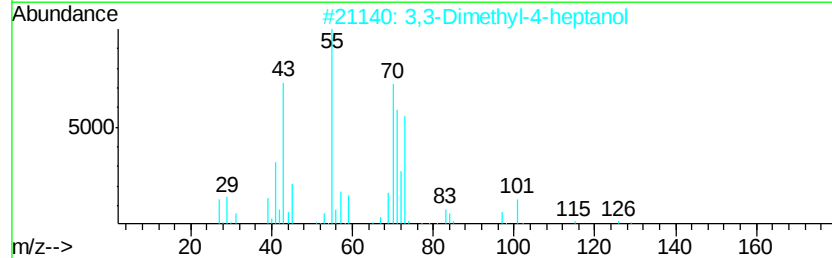
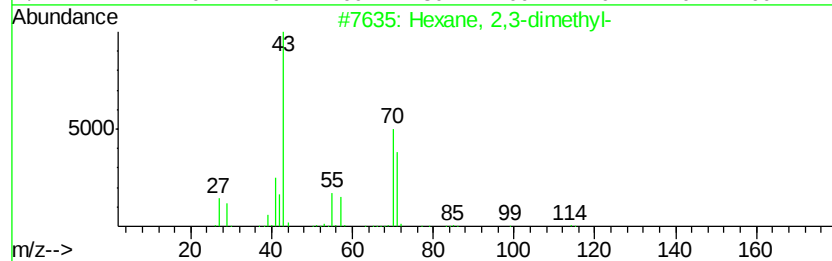
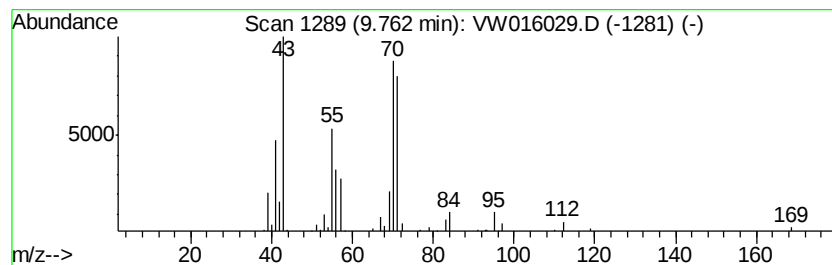
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.30 ug/L	49163	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
2		3,3-Dimethyl-4-heptanol	144	C9H20O	019549-78-1	50
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	46
4		Cyclobutane, 2-hexyl-1,1,4-trime...	182	C13H26	062338-53-8	43
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	43



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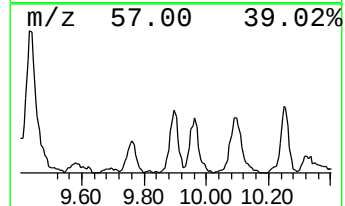
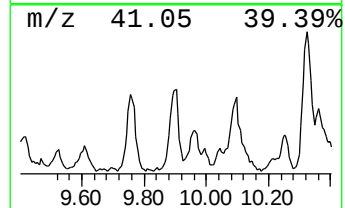
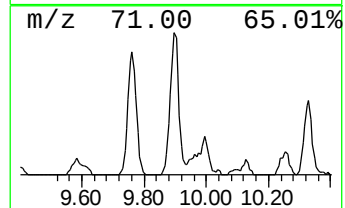
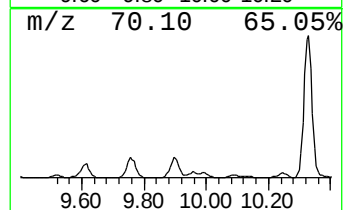
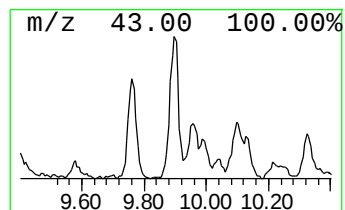
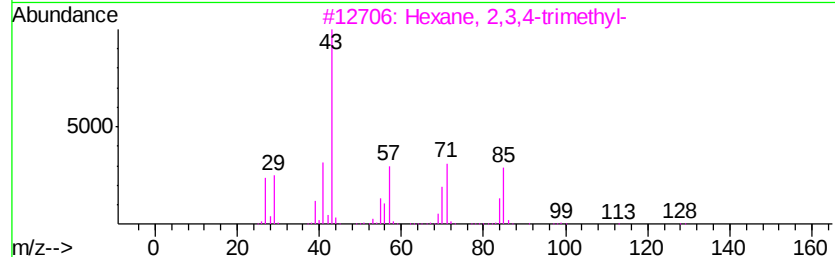
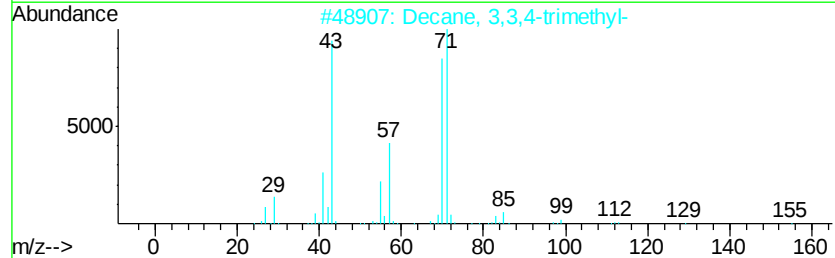
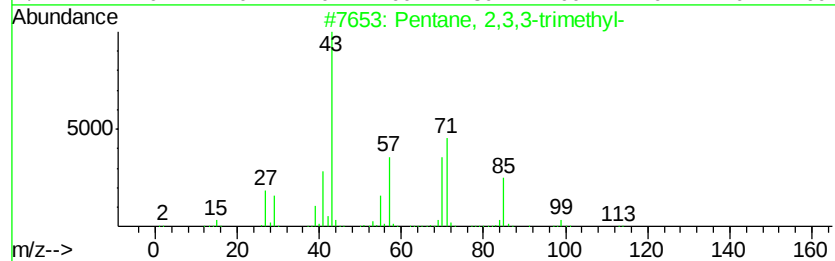
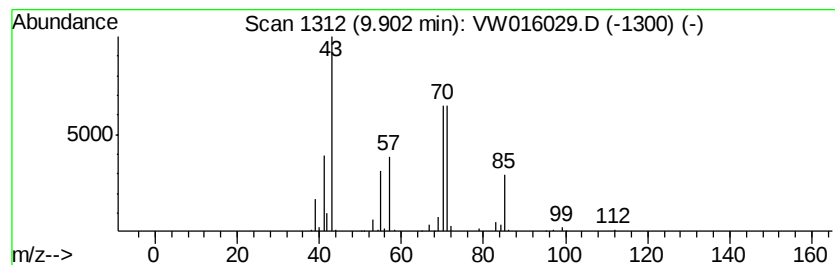
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	1.42 ug/L	53793	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
2		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	53
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

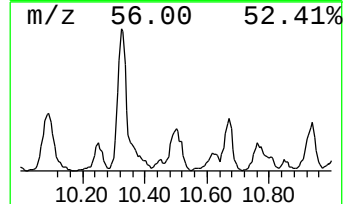
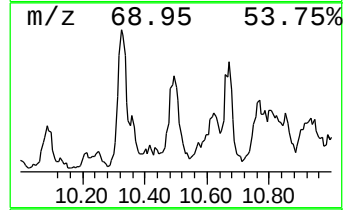
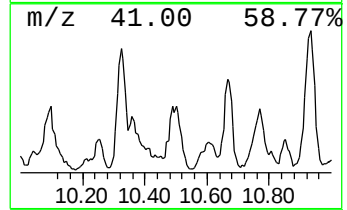
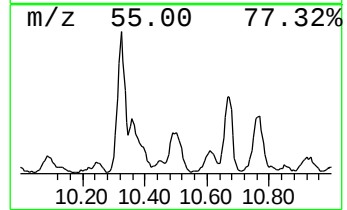
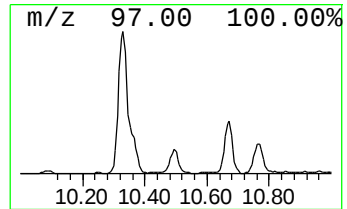
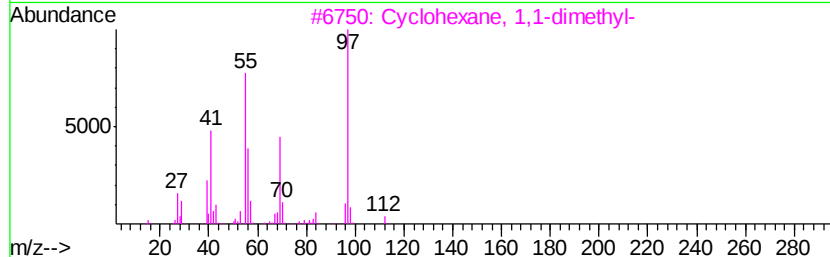
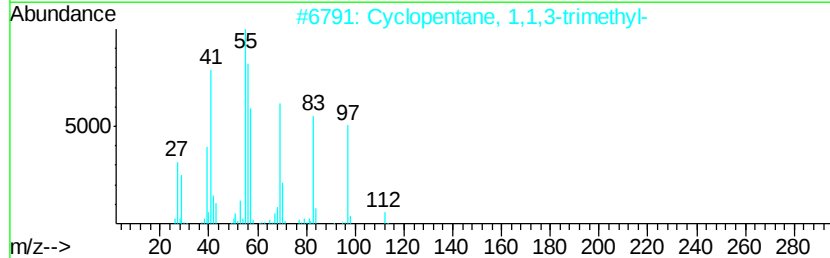
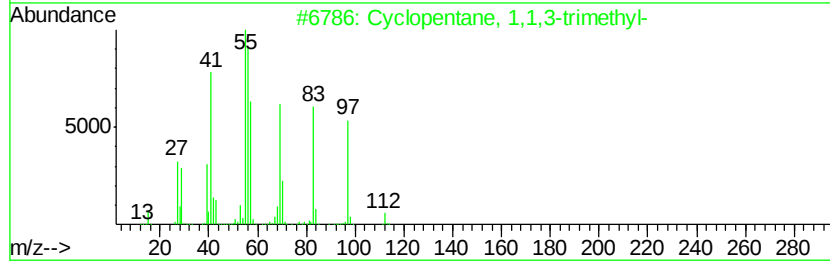
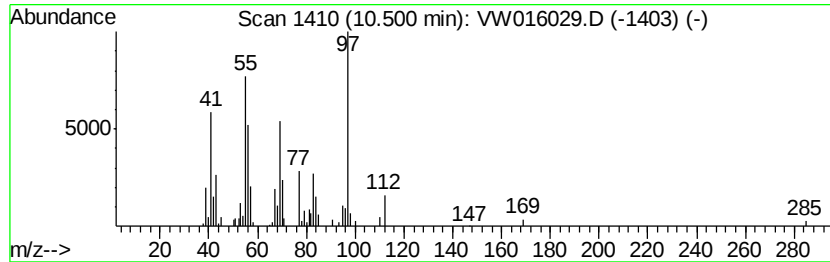
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic10.50 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	1.44 ug/L	55886	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	68
2		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	58
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	52
5		1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

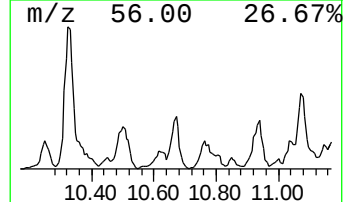
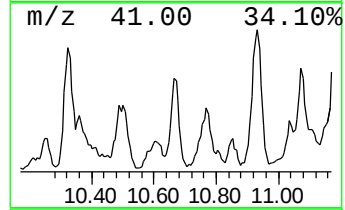
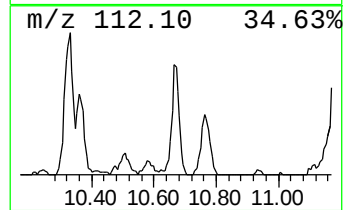
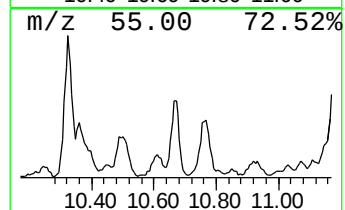
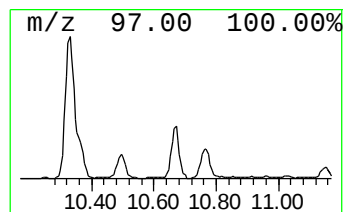
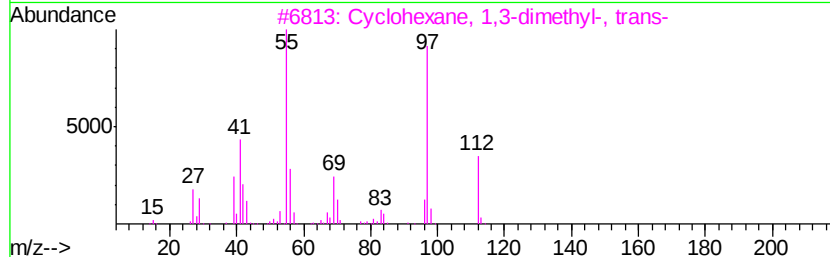
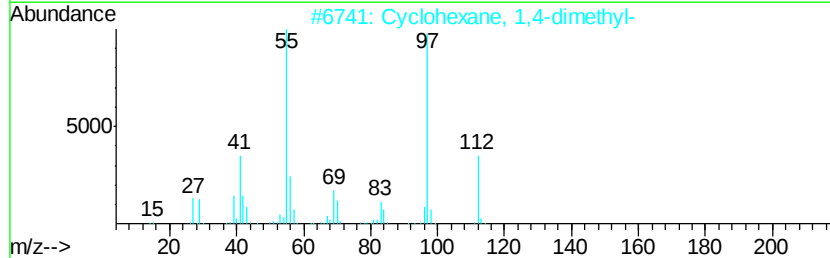
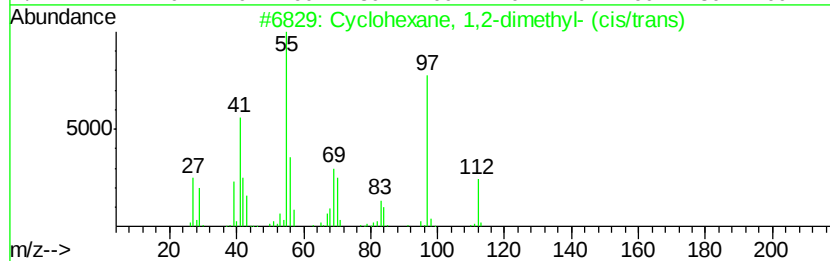
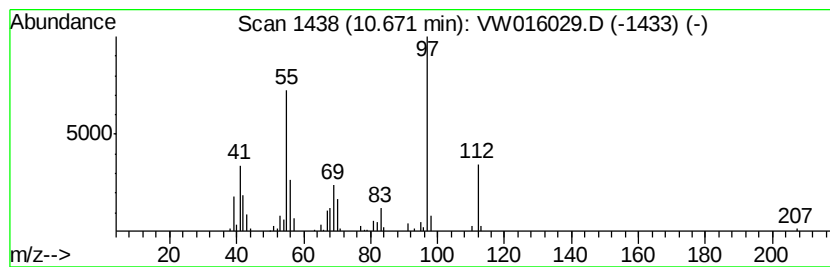
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic10.67 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	1.45 ug/L	56281	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
2		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

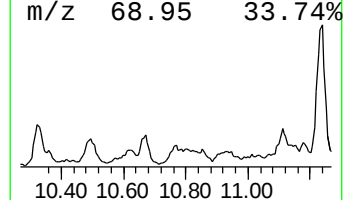
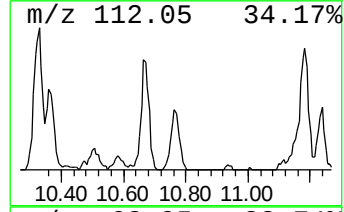
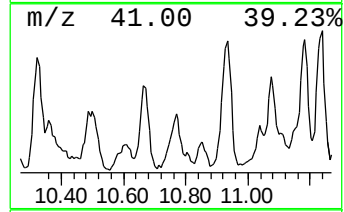
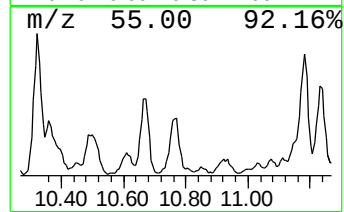
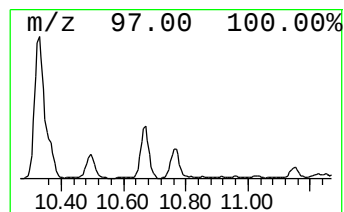
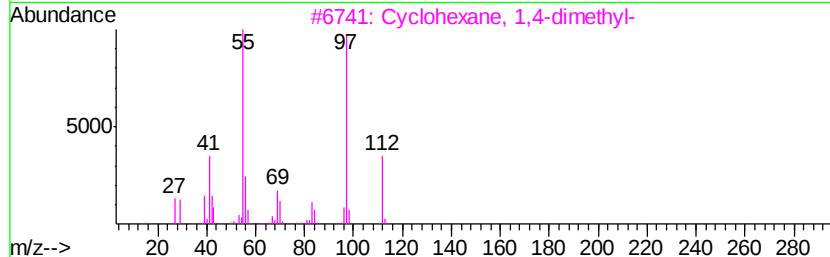
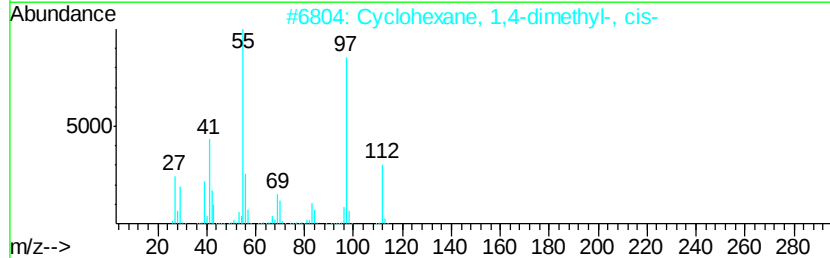
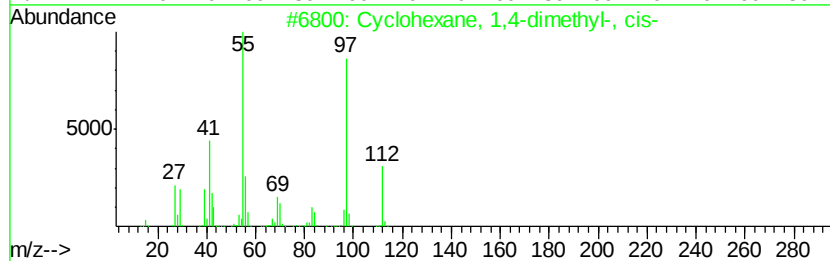
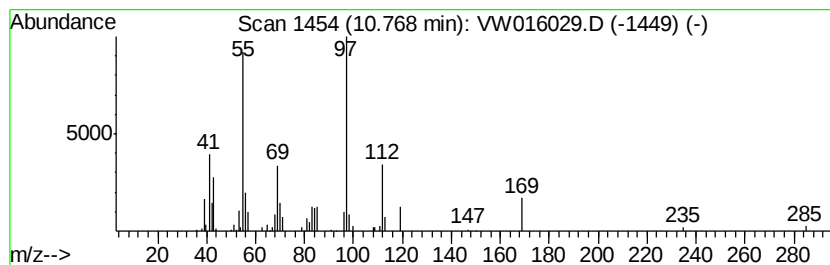
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic10.77 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.77	1.46 ug/L	56624	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	81
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

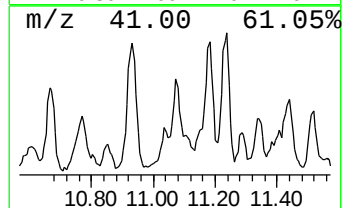
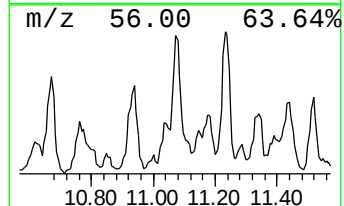
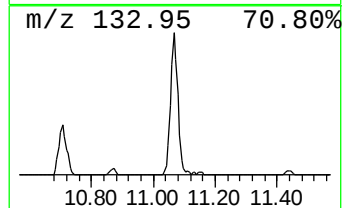
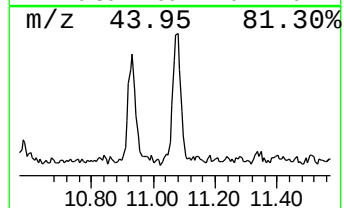
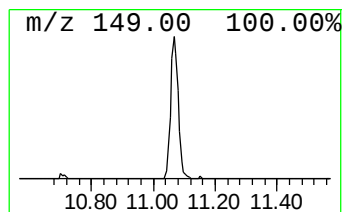
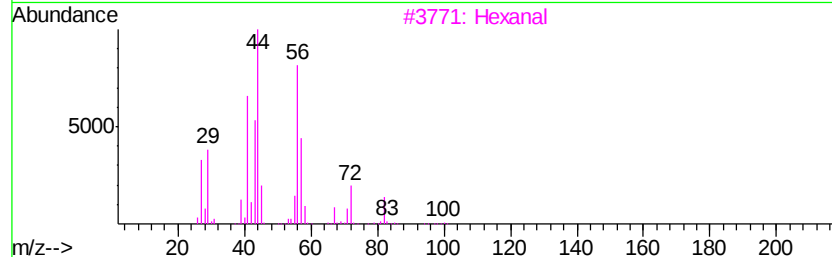
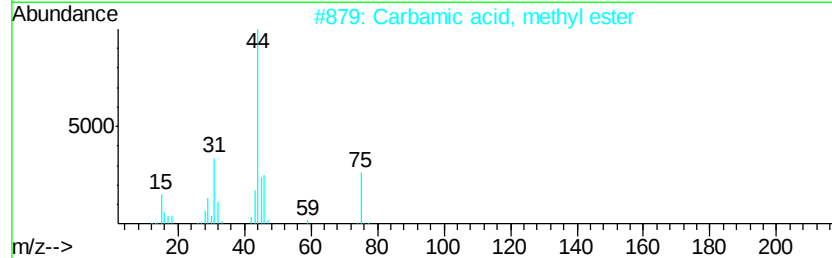
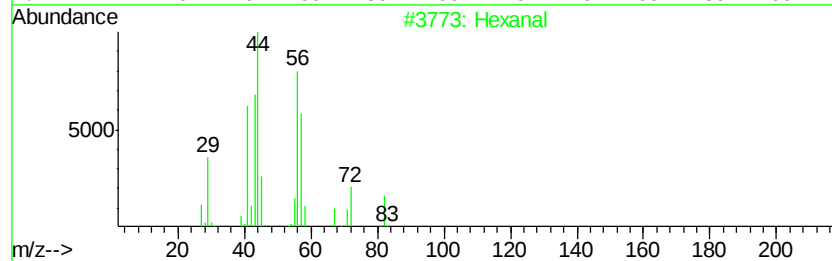
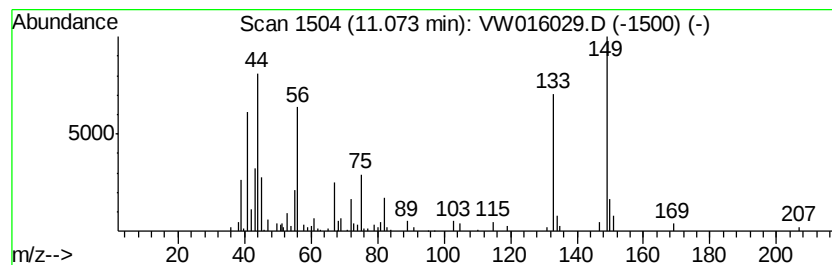
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Quant Title : VOC Analysis

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

Peak Number 8 unknown-01 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.44 ug/L	55606	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	35
2		Carbamic acid, methyl ester	75	C2H5NO2	000598-55-0	25
3		Hexanal	100	C6H12O	000066-25-1	17
4		1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	10
5		Benzene, 2-methoxy-4-methyl-1-(1...	164	C11H16O	001076-56-8	10



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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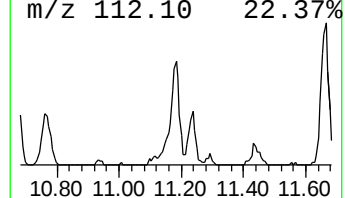
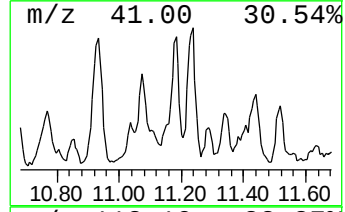
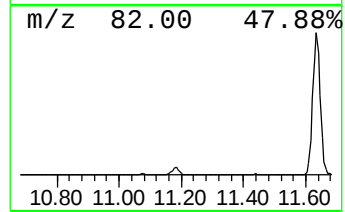
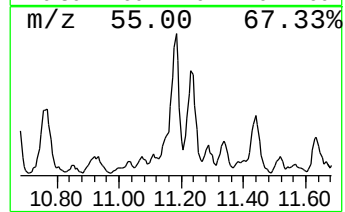
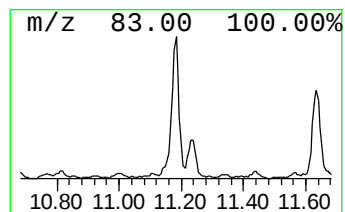
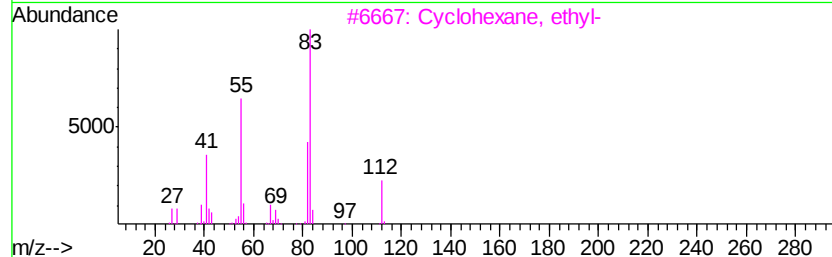
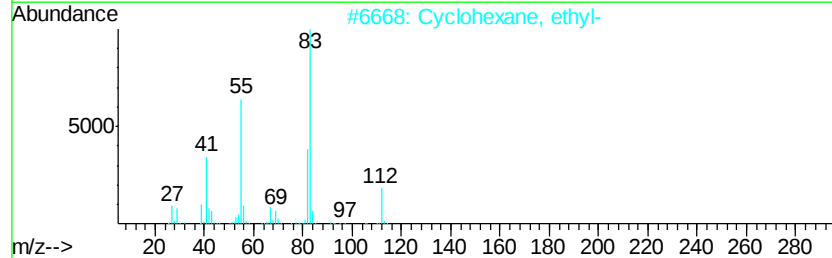
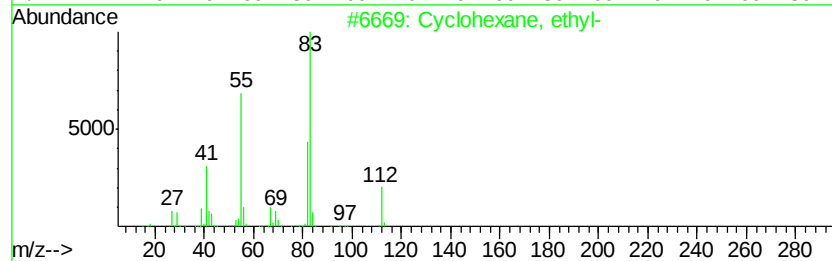
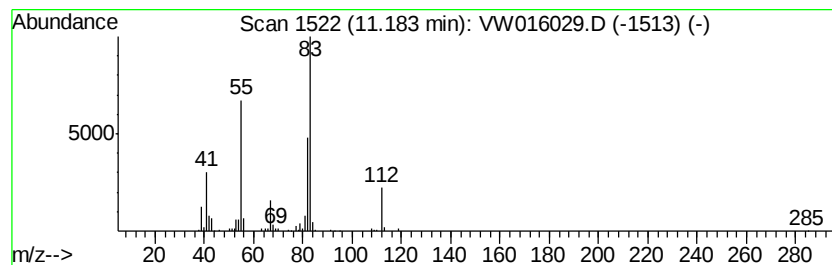
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic11.18 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	2.36 ug/L	91285	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	70
5		2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

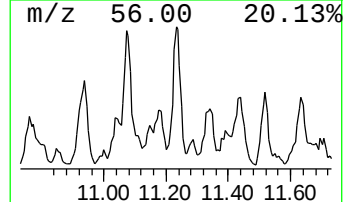
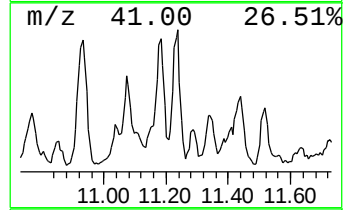
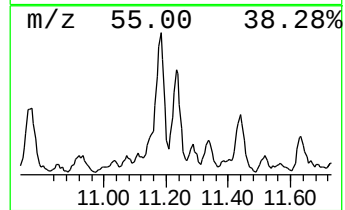
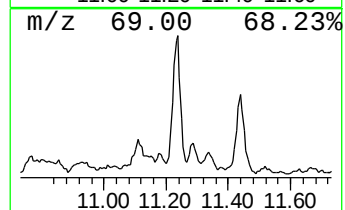
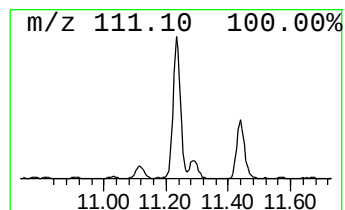
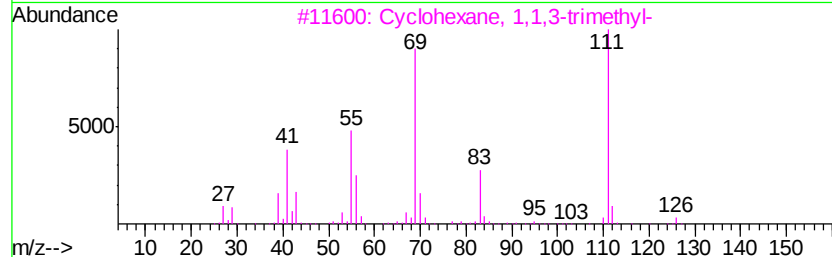
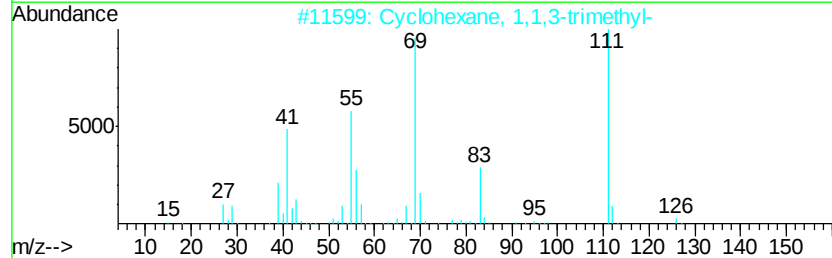
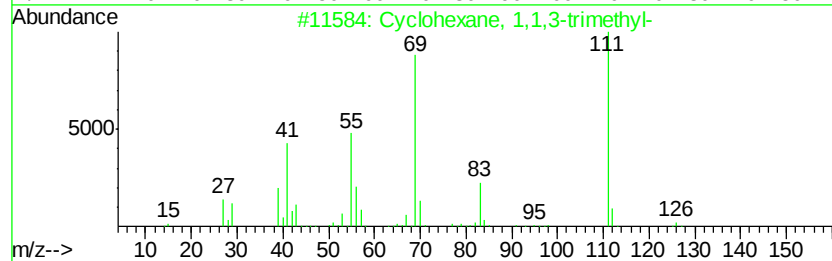
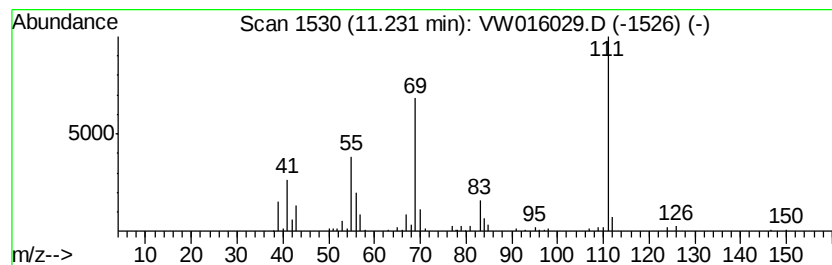
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 10 (DEL) Alkane: Cyclic11.23 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.23	2.47 ug/L	95721	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
5	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

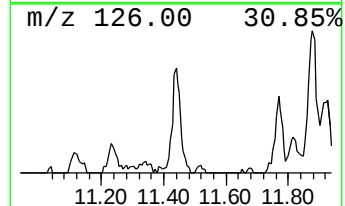
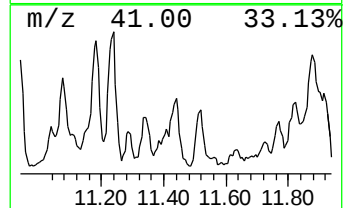
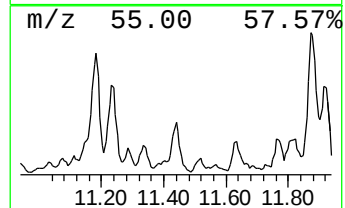
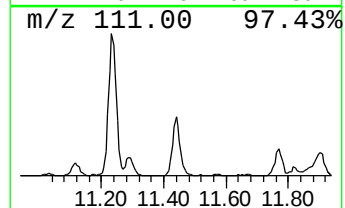
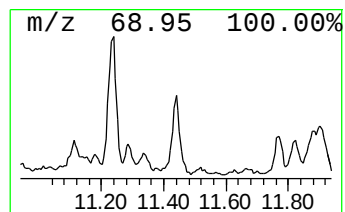
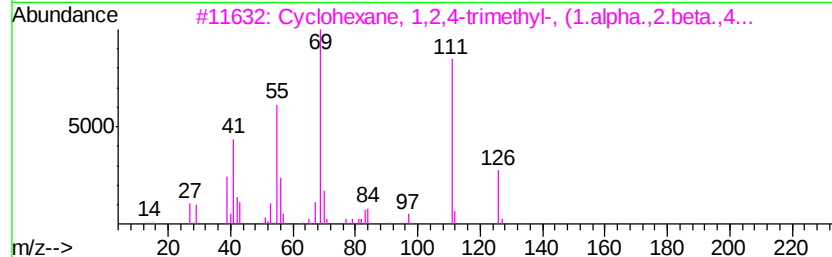
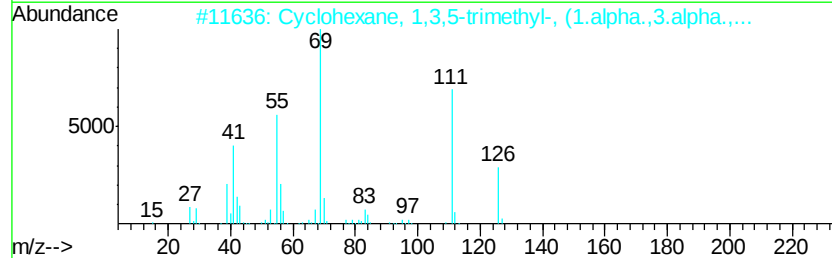
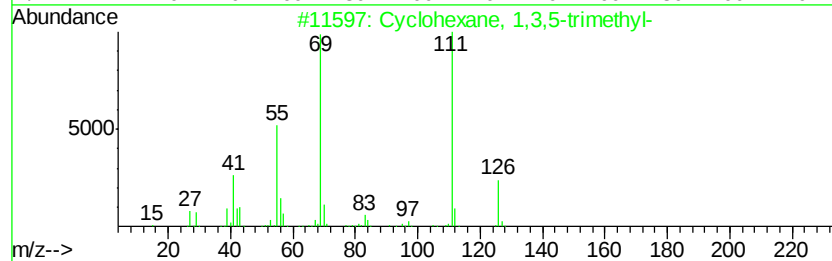
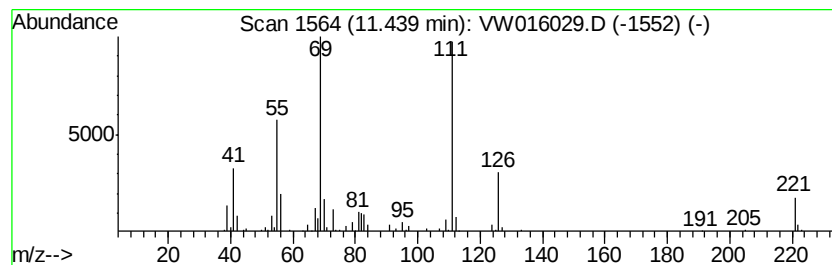
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 11 (DEL) Alkane: Cyclic11.44 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	2.46 ug/L	95452	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	93
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

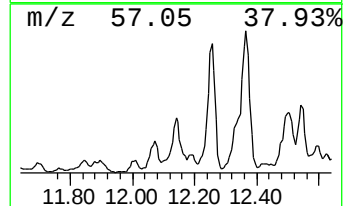
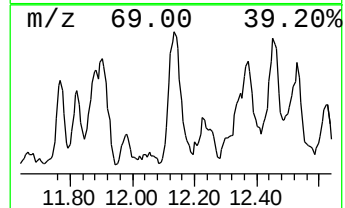
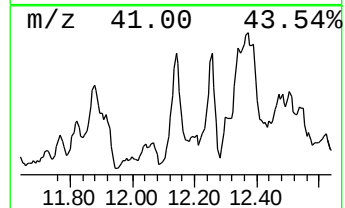
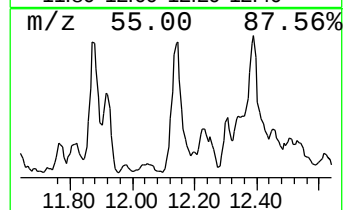
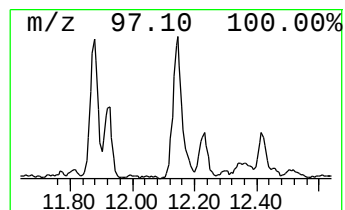
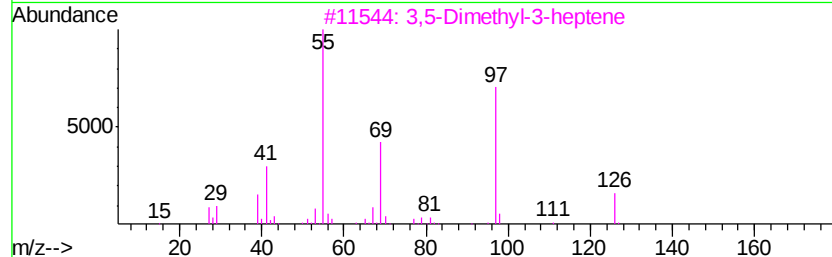
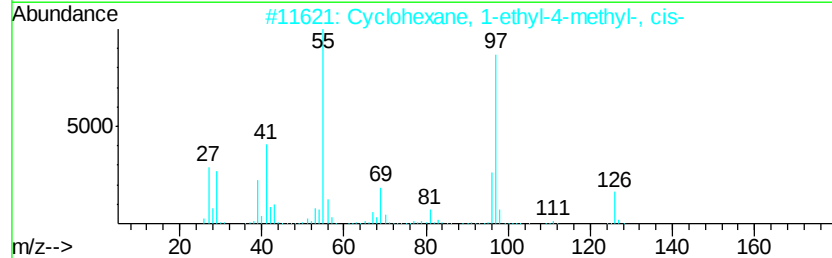
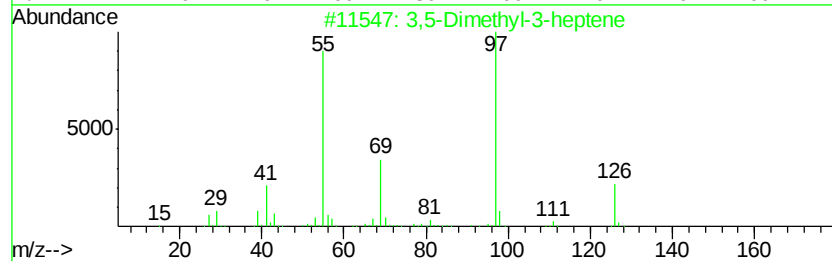
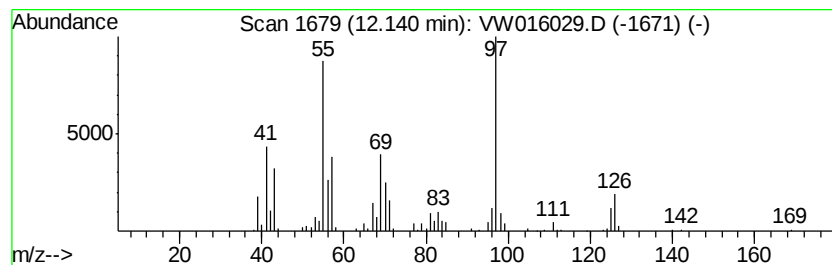
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.45 ug/L	172237	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

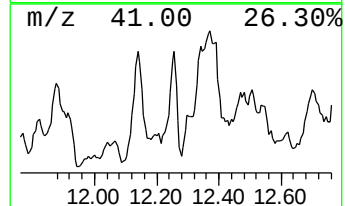
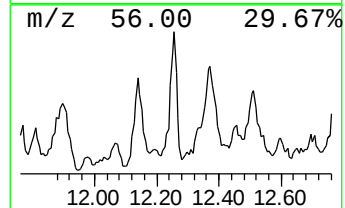
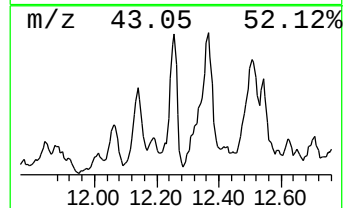
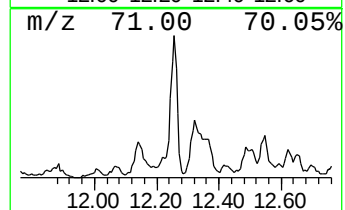
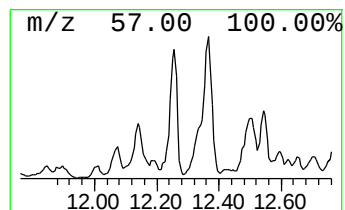
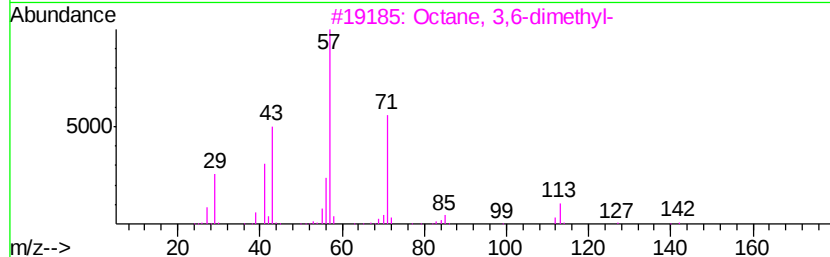
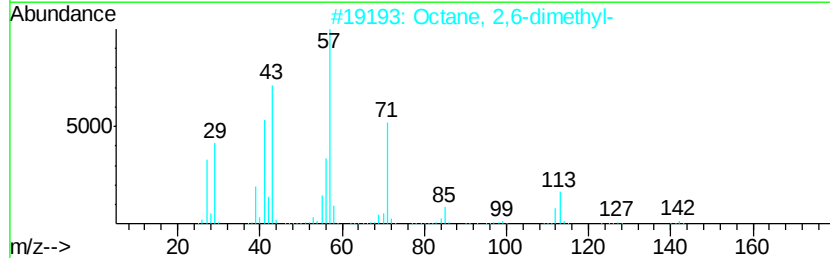
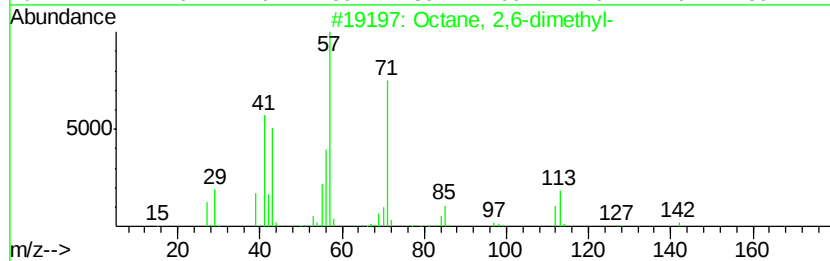
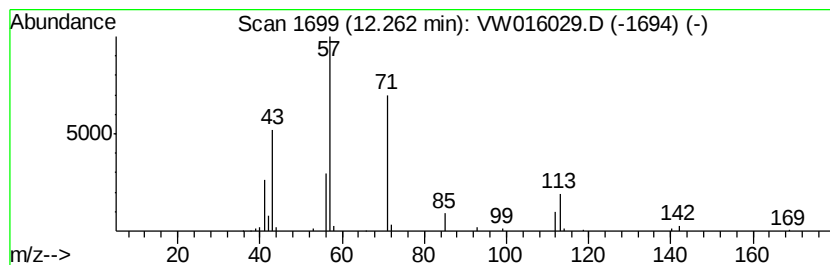
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	1.86 ug/L	72071	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	74
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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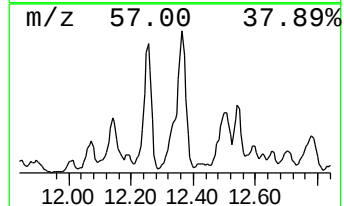
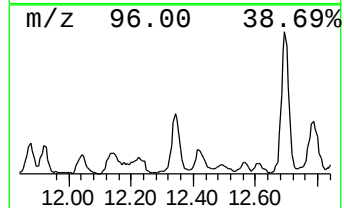
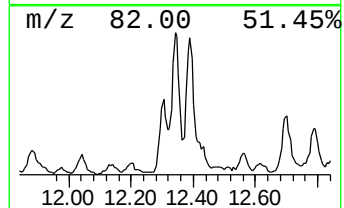
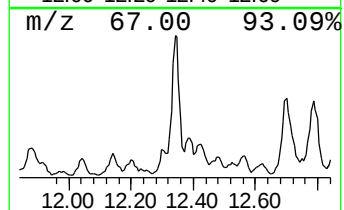
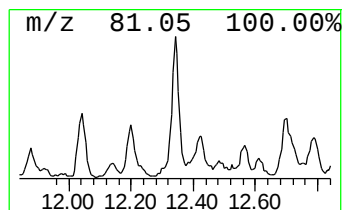
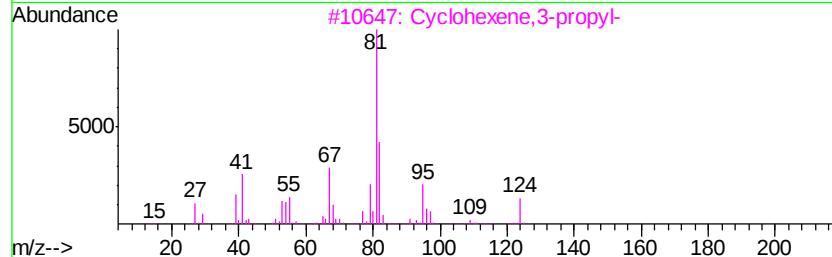
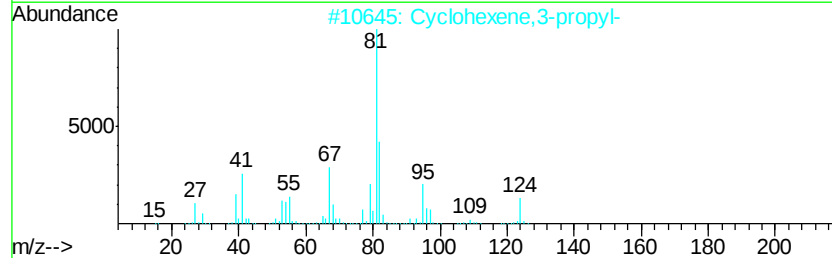
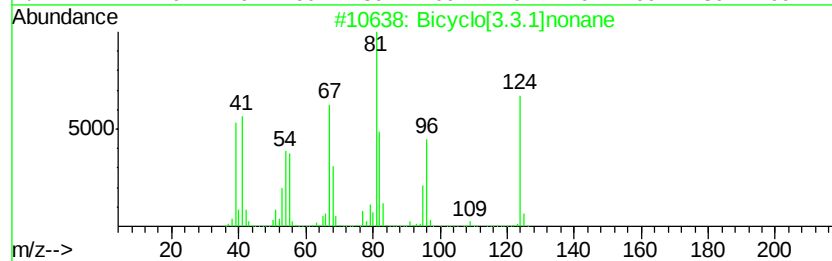
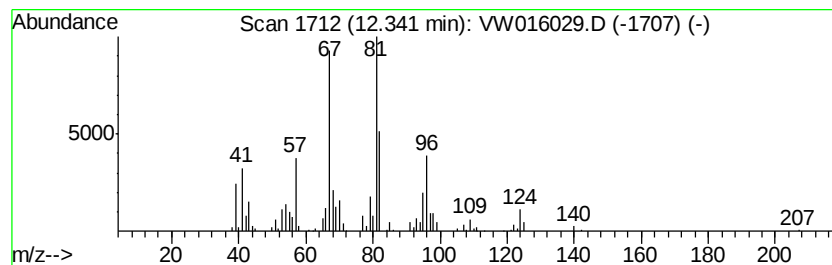
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Quant Title : VOC Analysis

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

Peak Number 14 Bicyclo[3.3.1]nonane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	6.04 ug/L	234080	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	64
2		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	60
3		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	60
4		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
5		1-Hexadecyne	222	C16H30	000629-74-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

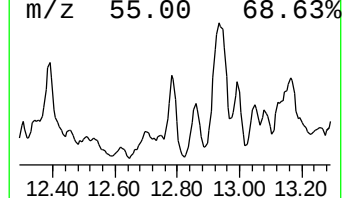
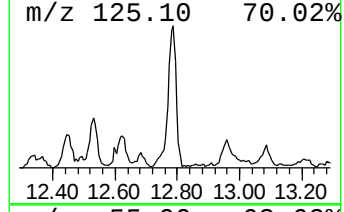
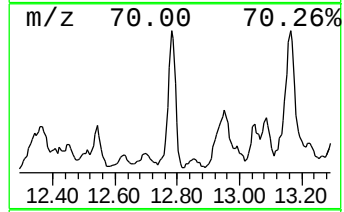
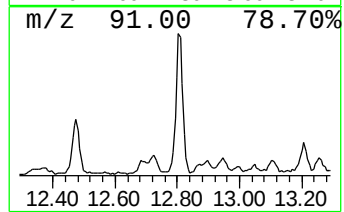
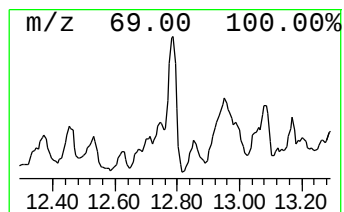
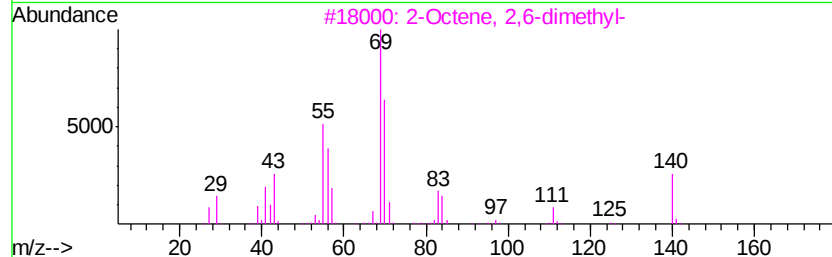
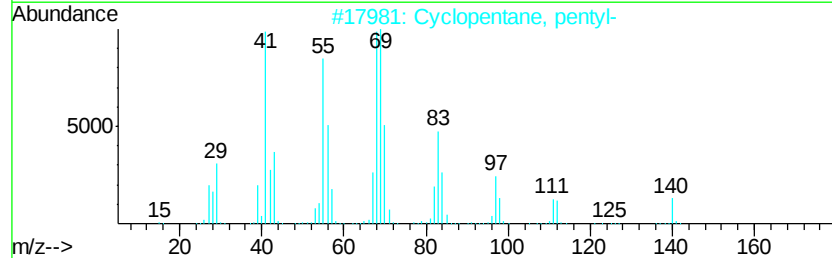
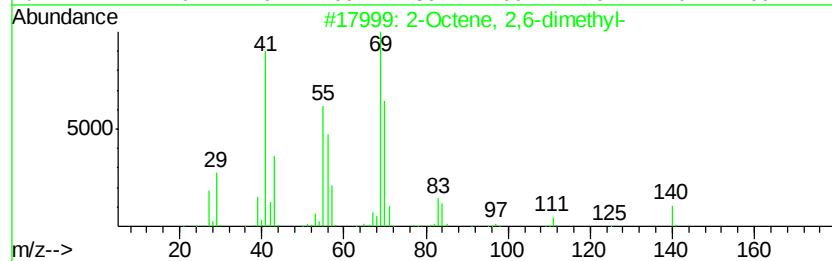
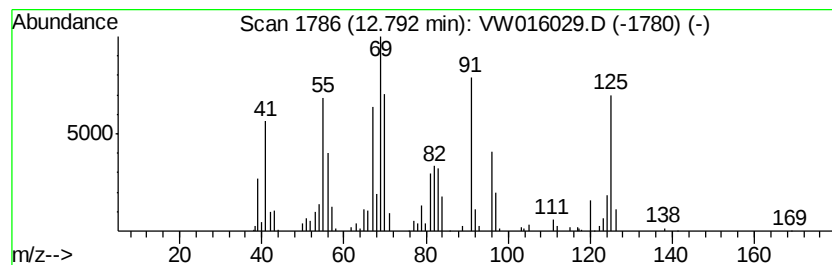
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	8.72 ug/L	198046	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
2			Cyclopentane, pentyl-	140	C10H20	003741-00-2	46
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	41
5			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

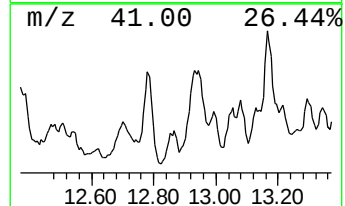
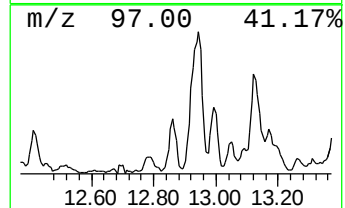
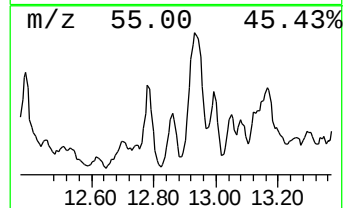
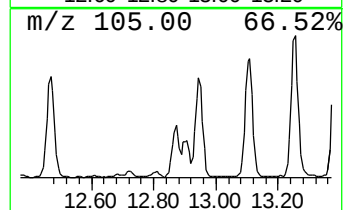
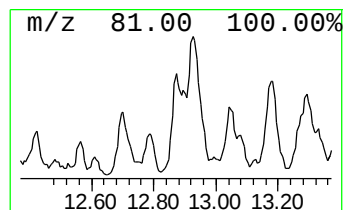
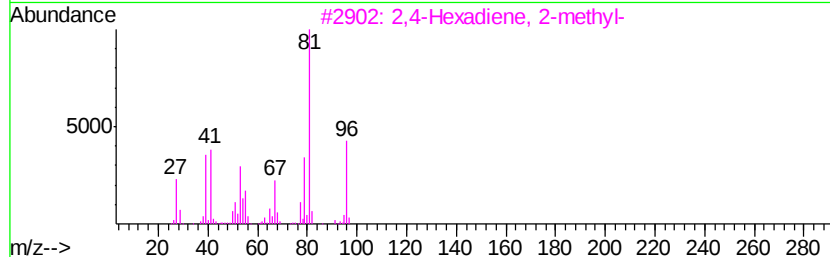
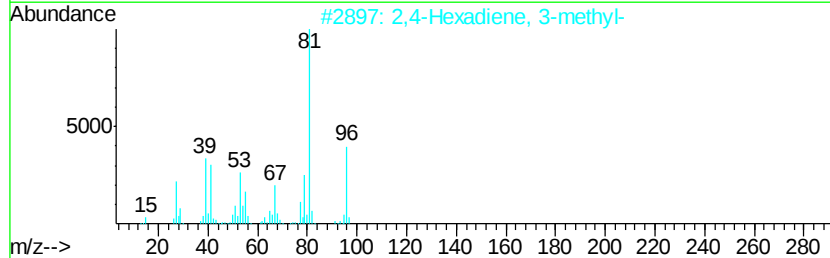
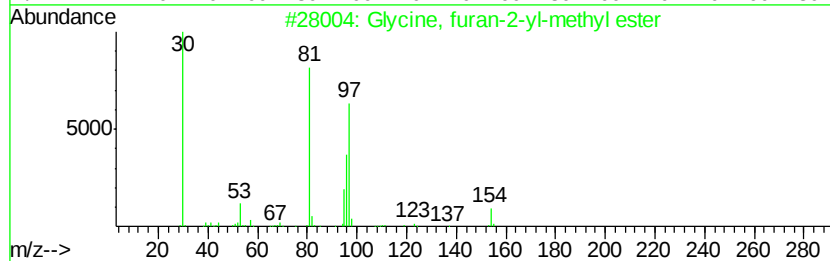
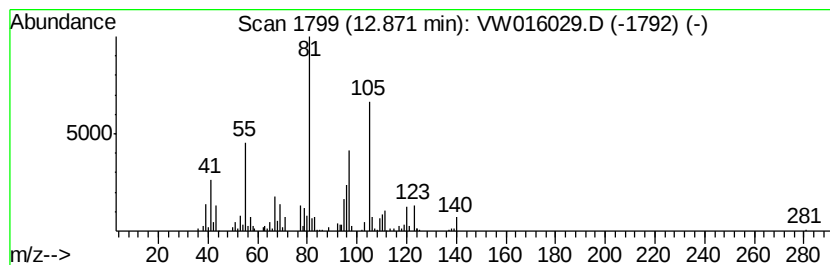
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 17 Glycine, furan-2-yl-methyl ... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	4.08 ug/L	92575	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	53
2		2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	49
3		2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	49
4		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	47
5		2,4-Hexadienal, (E,E)-	96	C6H8O	000142-83-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

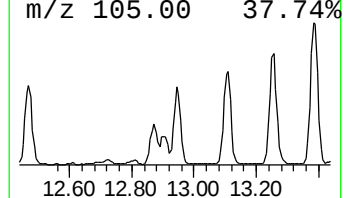
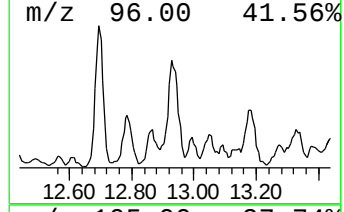
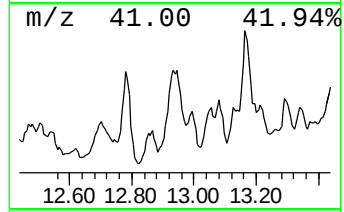
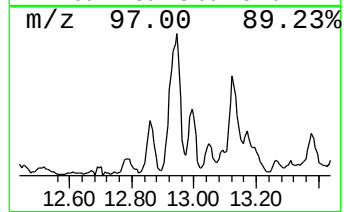
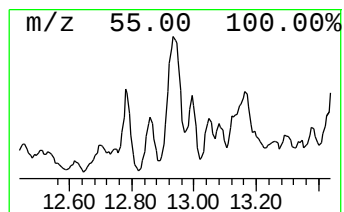
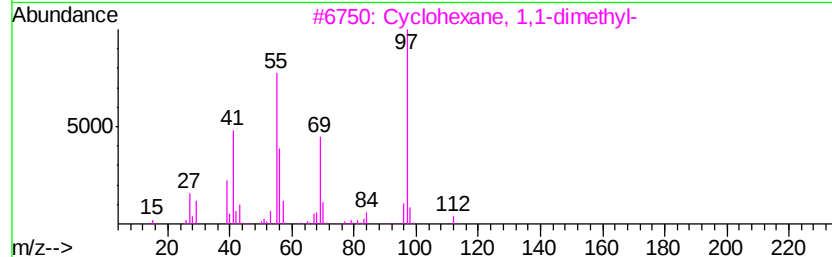
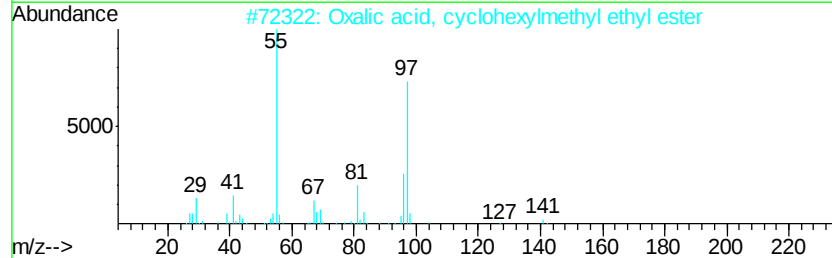
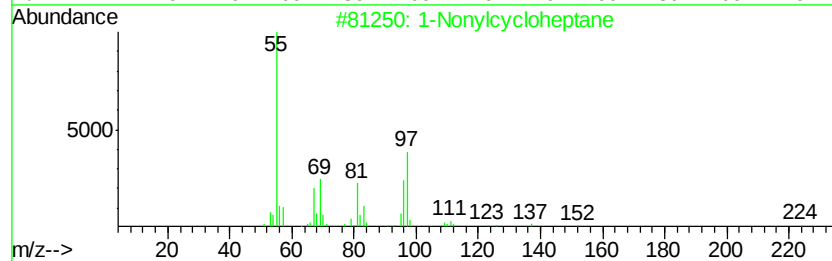
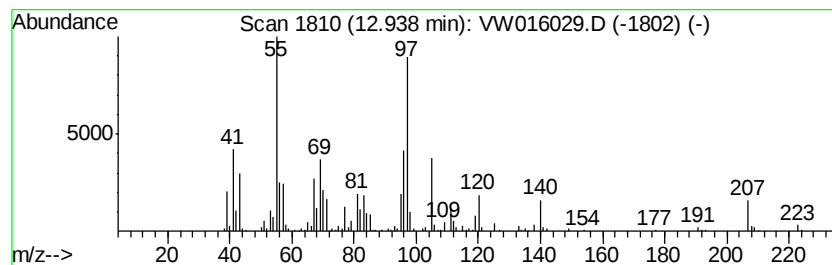
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	11.55 ug/L	262278	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Nonylcycloheptane	224 C16H32	1000371-47-7 50
2		Oxalic acid, cyclohexylmethyl et...	214 C11H18O4	1000309-68-0 43
3		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 43
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	004926-78-7 43
5		Ethanone, 1-(3,4-dihydro-6-methy...	140 C8H12O2	028450-02-4 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

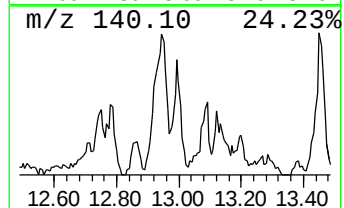
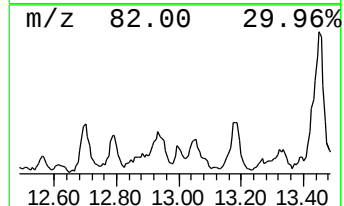
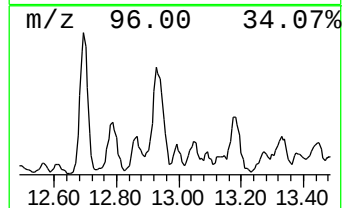
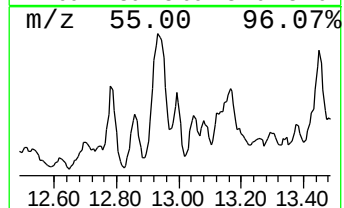
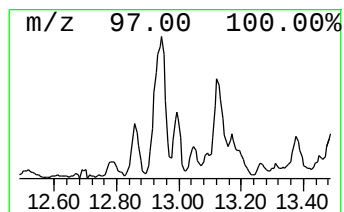
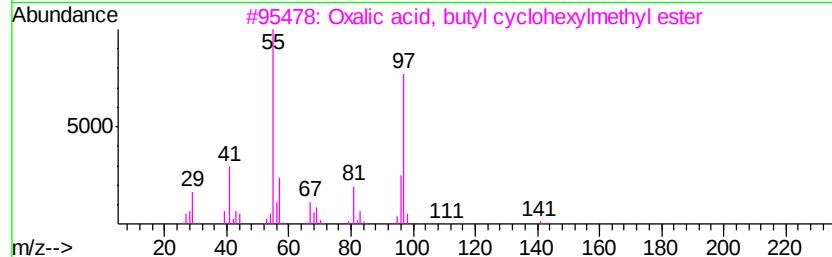
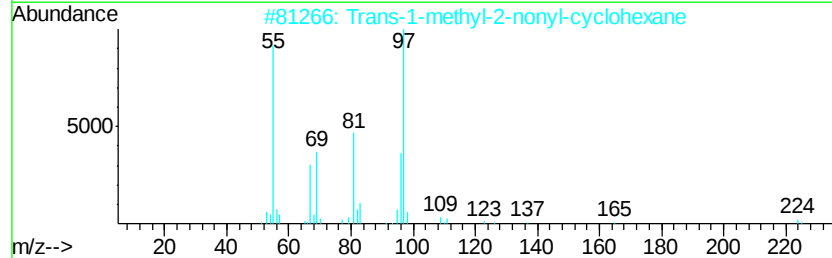
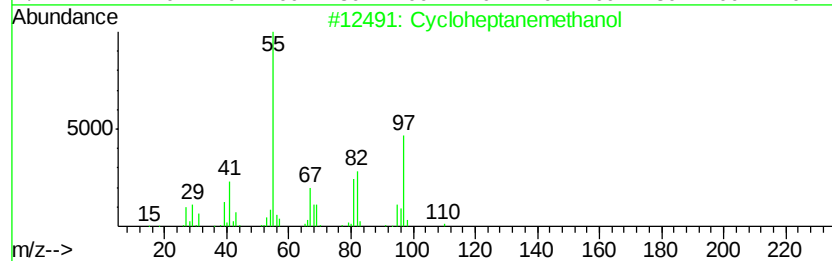
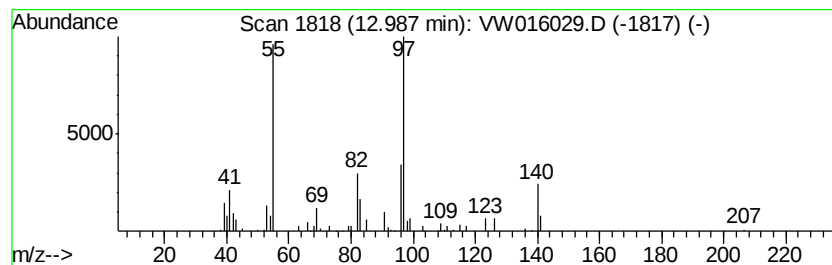
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 19 Cycloheptanemethanol Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	1.69 ug/L	38442	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cycloheptanemethanol	128 C8H16O	004448-75-3 53
2		Trans-1-methyl-2-nonyl-cyclohexane	224 C16H32	1000371-47-8 53
3		Oxalic acid, butyl cyclohexylmet...	242 C13H22O4	1000309-68-2 47
4		Oxalic acid, cyclohexylmethyl oc...	298 C17H30O4	1000309-68-4 47
5		Cyclohexane, 1-(cyclohexylmethyl...	194 C14H26	054823-96-0 45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

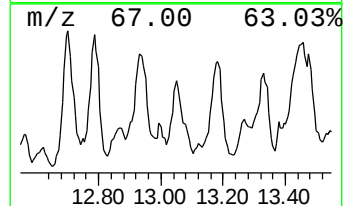
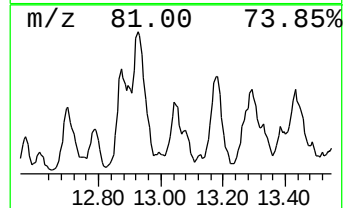
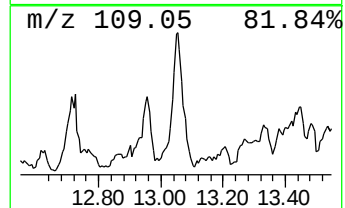
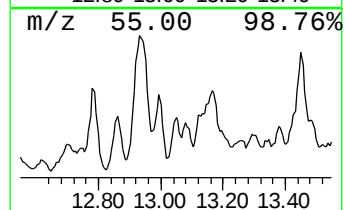
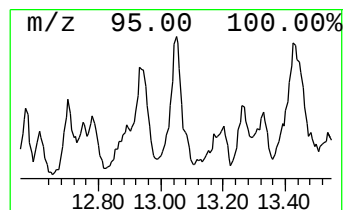
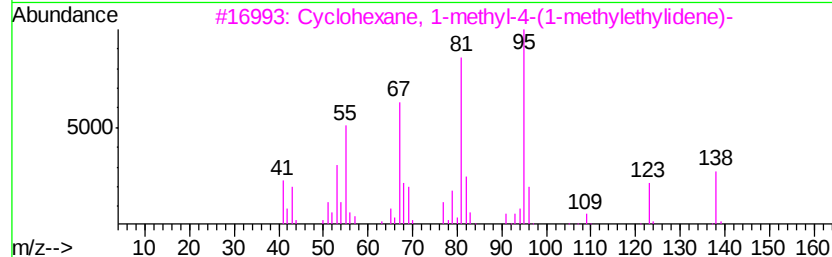
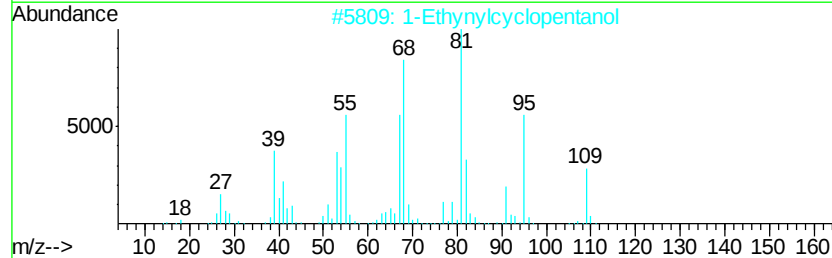
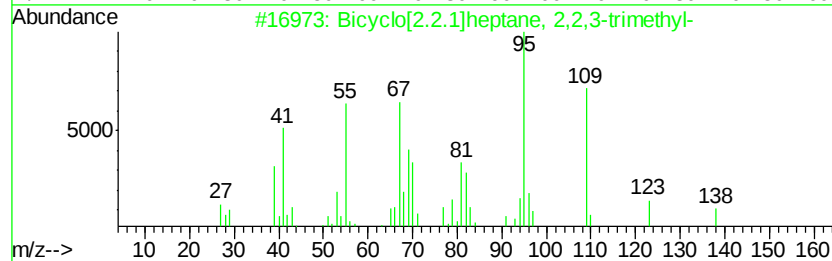
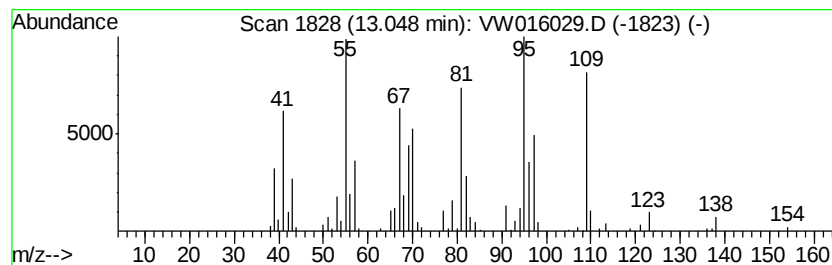
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 20 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	3.39 ug/L	77020	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138 C10H18	000473-19-8 87
2		1-Ethynylcyclopentanol	110 C7H10O	017356-19-3 58
3		Cyclohexane, 1-methyl-4-(1-methy...	138 C10H18	001124-27-2 55
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138 C10H18	000554-59-6 55
5		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138 C10H18	000554-59-6 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

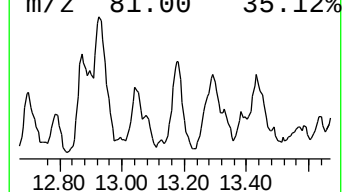
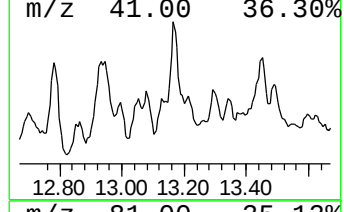
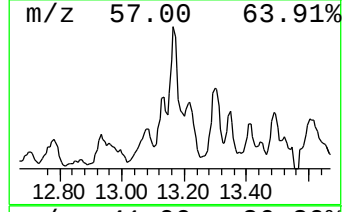
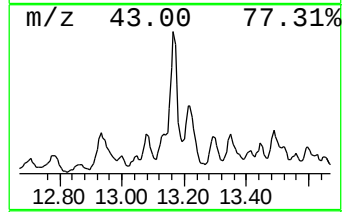
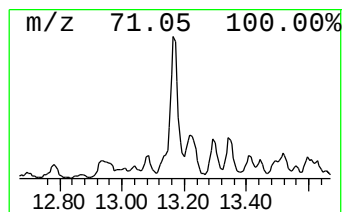
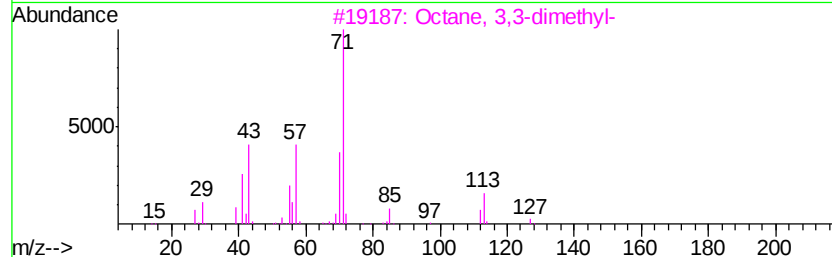
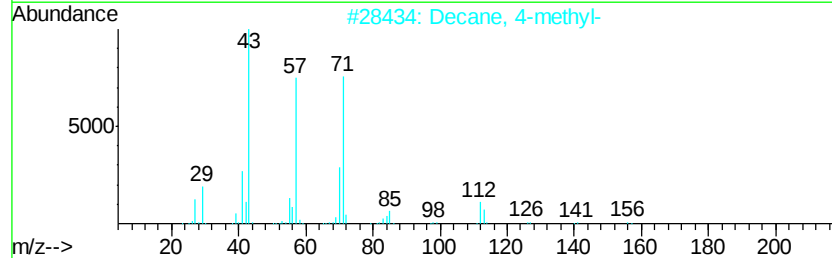
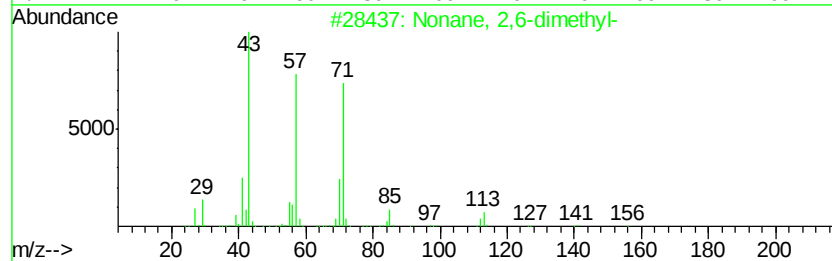
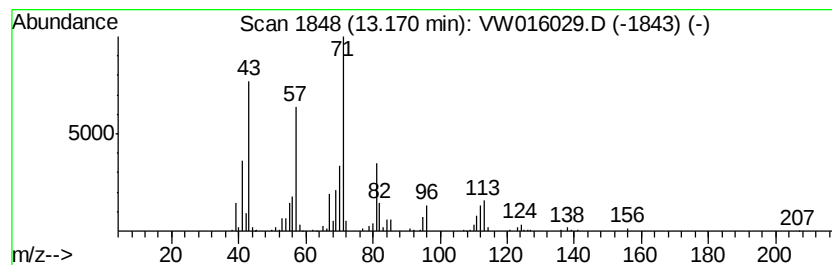
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	5.77 ug/L	131052	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	70
2			Decane, 4-methyl-	156	C11H24	002847-72-5	59
3			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

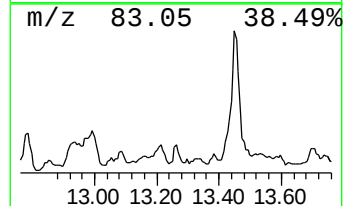
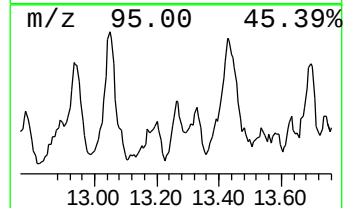
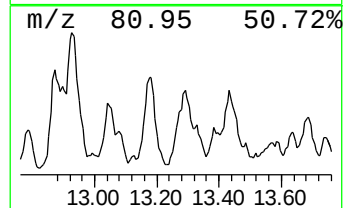
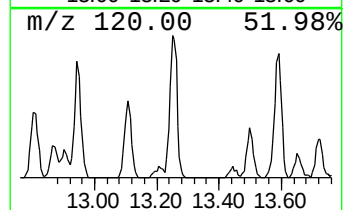
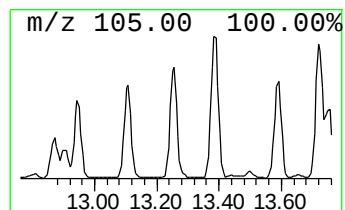
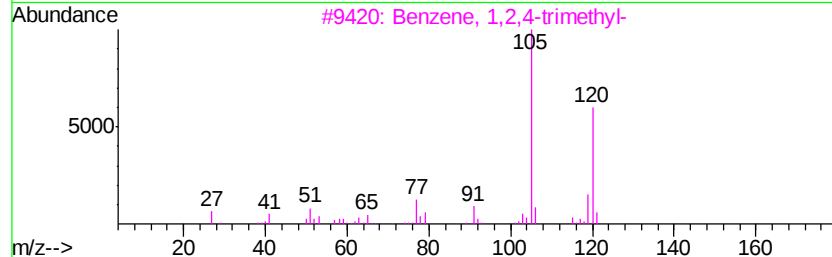
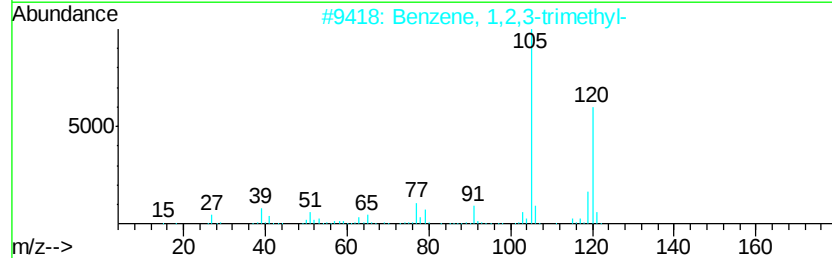
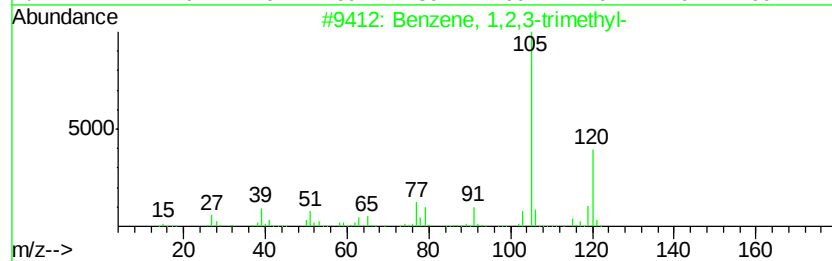
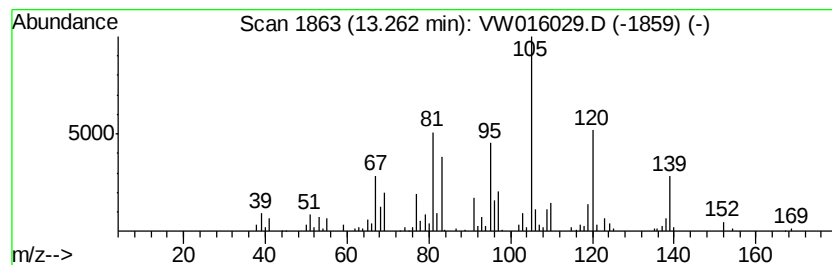
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 22 Benzene, 1,2,3-trimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.28 ug/L	29035	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, 1,2,3-trimethyl-	120 C9H12	000526-73-8 93
3		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 91
4		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 91
5		Mesitylene	120 C9H12	000108-67-8 70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

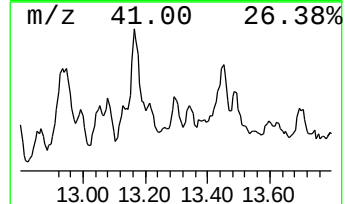
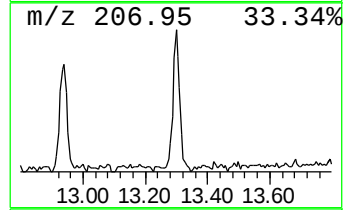
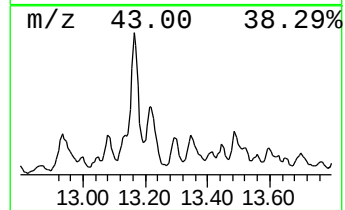
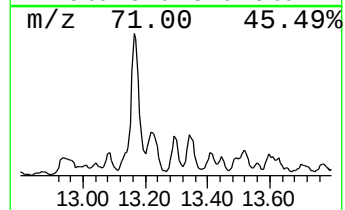
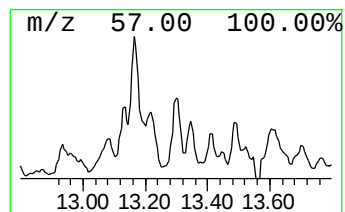
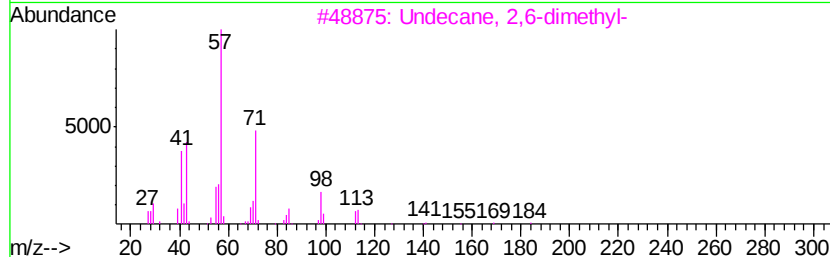
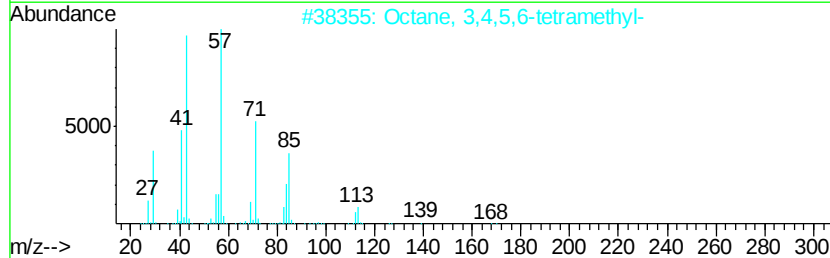
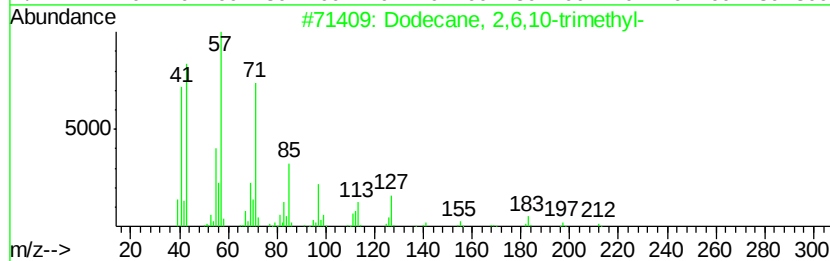
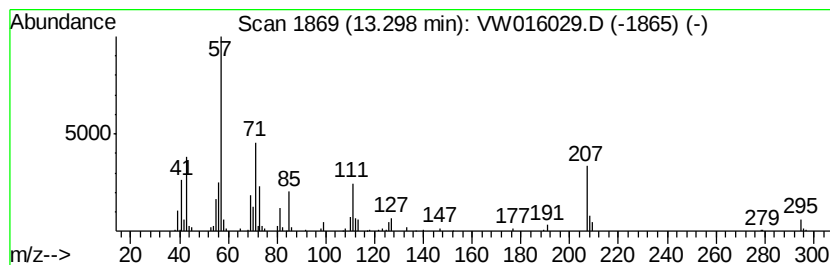
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	1.94 ug/L	44013	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	47
2		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	38
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	38
5		Undecane	156	C11H24	001120-21-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

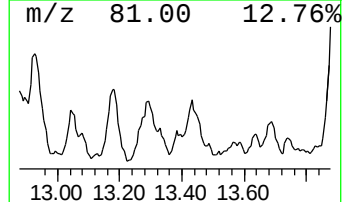
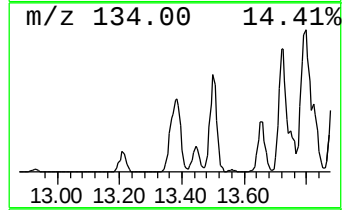
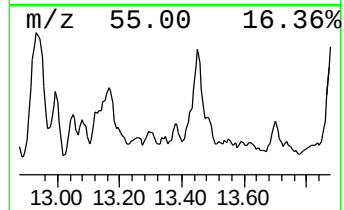
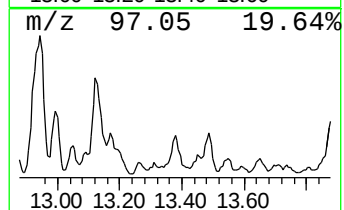
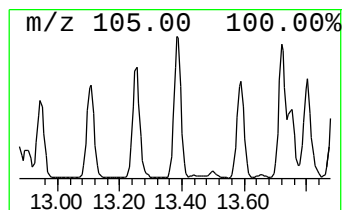
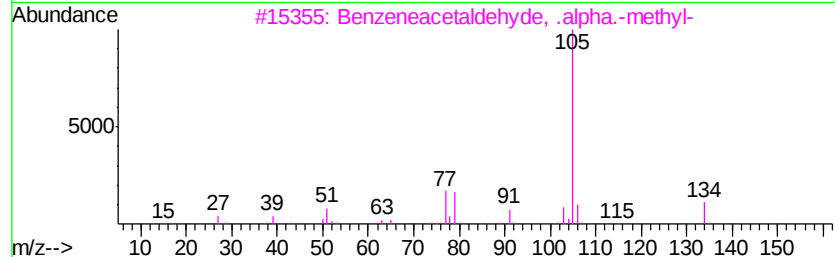
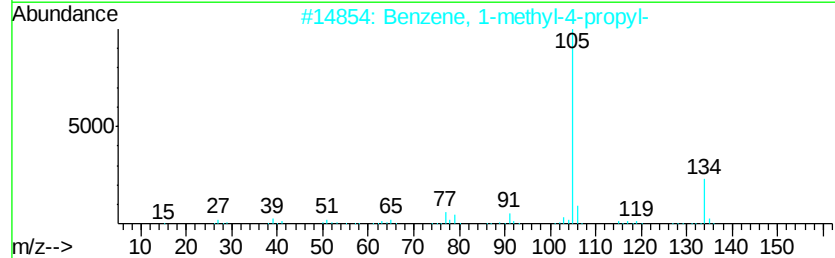
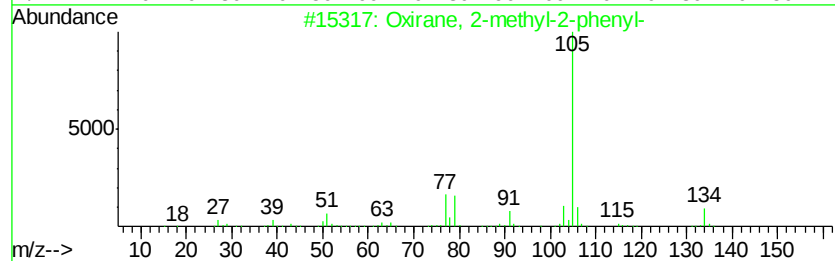
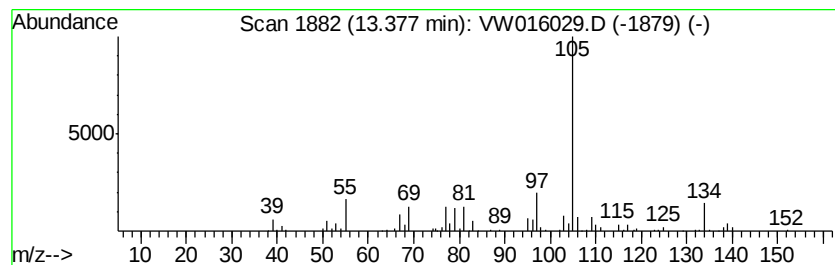
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 24 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.43 ug/L	55092	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Oxirane, 2-methyl-2-phenyl-	134 C9H10O	002085-88-3	49
2	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	49
3	Benzeneacetaldehyde, .alpha.-met...	134 C9H10O	000093-53-8	47
4	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	47
5	Benzeneacetaldehyde, .alpha.-met...	134 C9H10O	000093-53-8	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

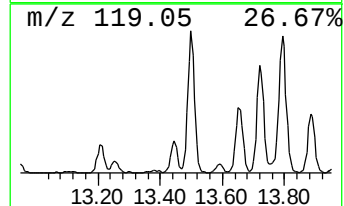
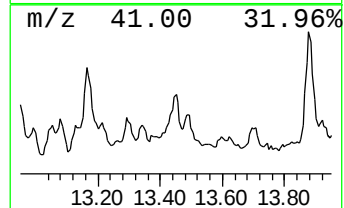
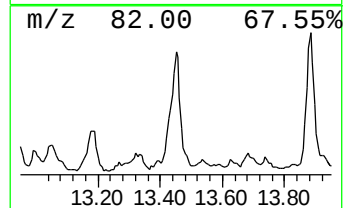
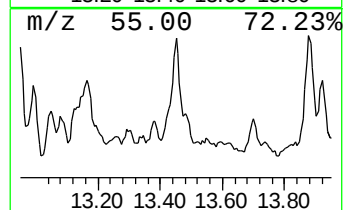
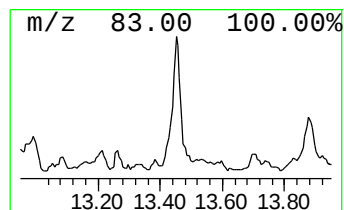
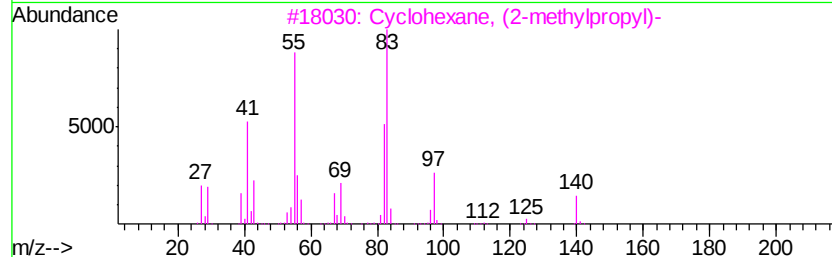
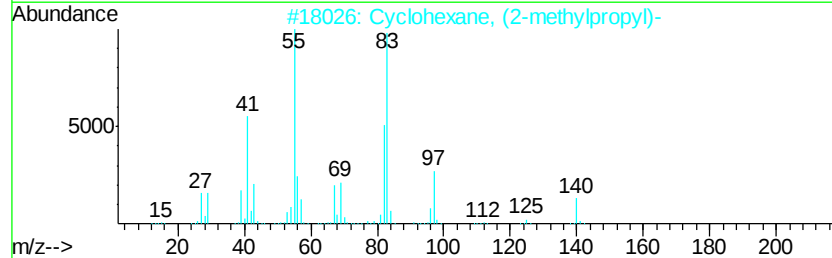
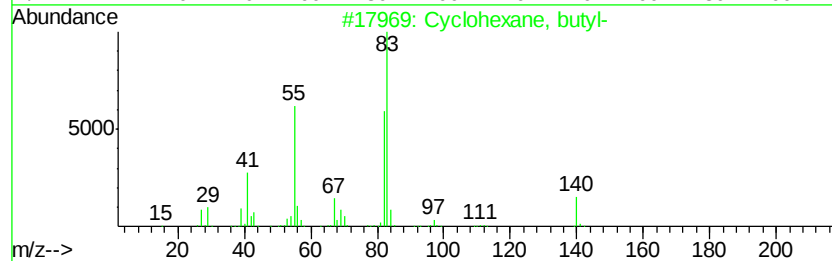
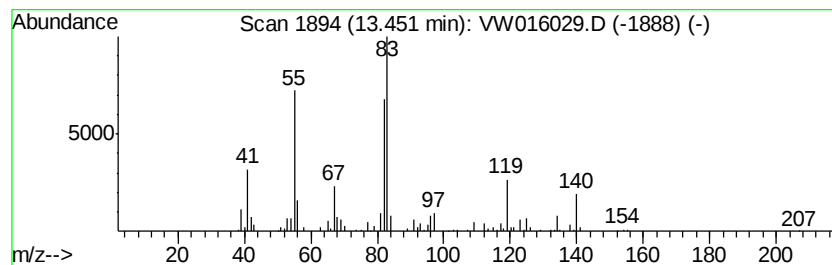
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MSVOA_W
ClientSampleId :
CB7H4

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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic13.45 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	5.56 ug/L	126105	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Cyclohexane, butyl-	140 C10H20	001678-93-9	70
2	Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4	64
3	Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4	64
4	Cyclohexane, 2-propenyl-	124 C9H16	002114-42-3	64
5	Cyclohexane, pentyl-	154 C11H22	004292-92-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

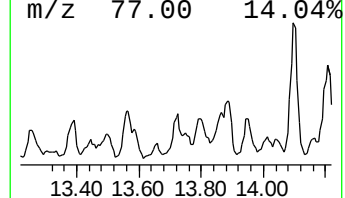
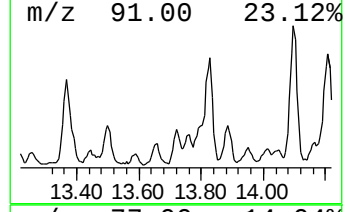
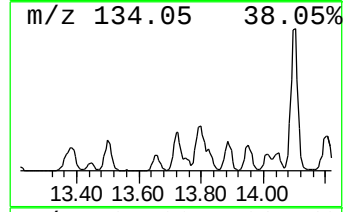
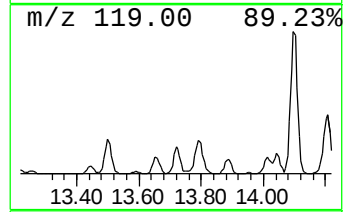
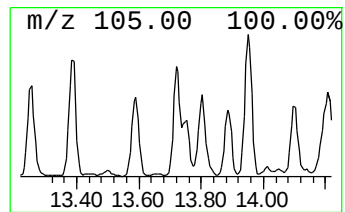
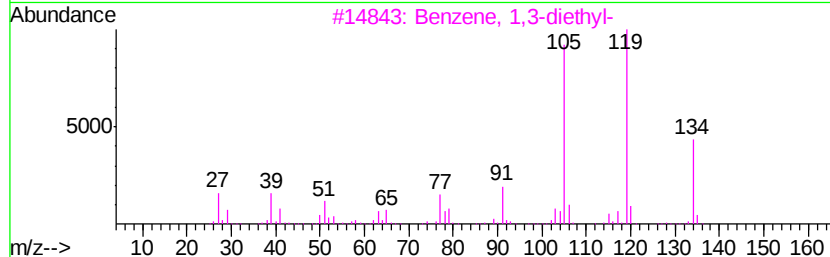
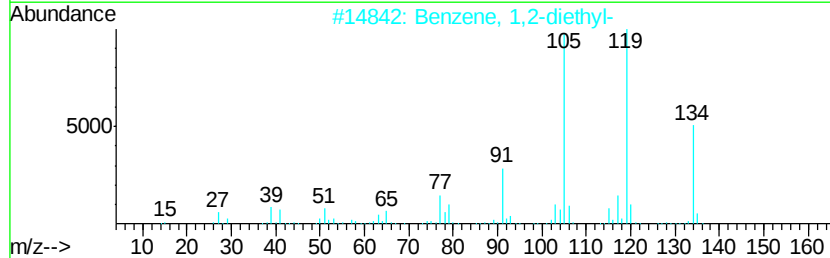
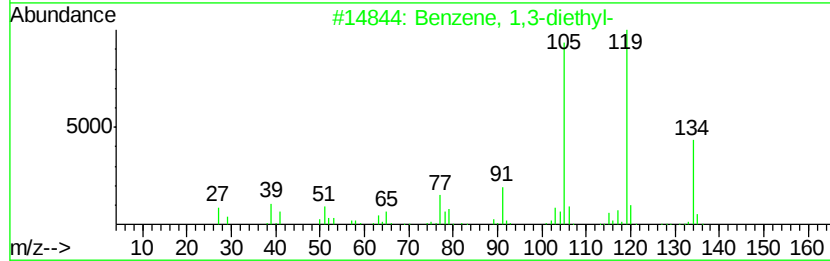
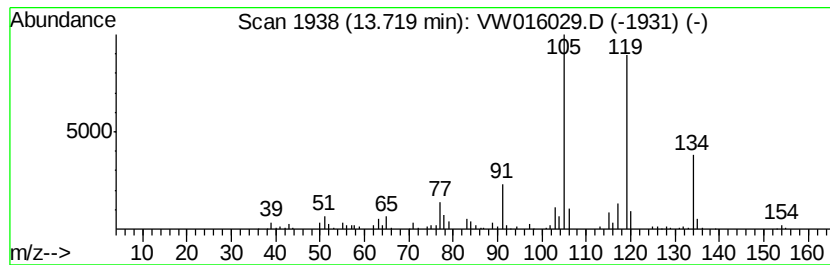
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,3-diethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	4.54 ug/L	103109	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

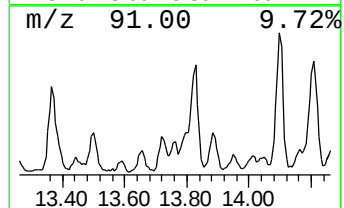
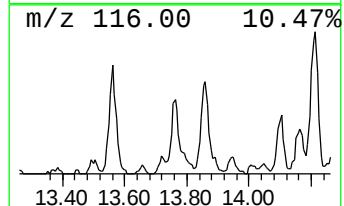
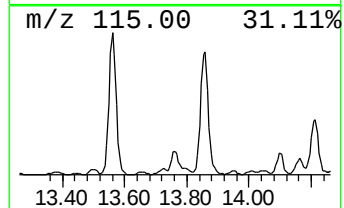
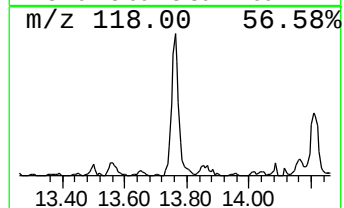
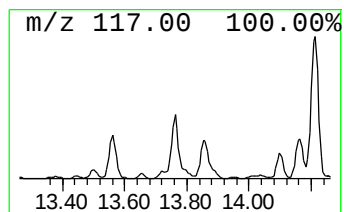
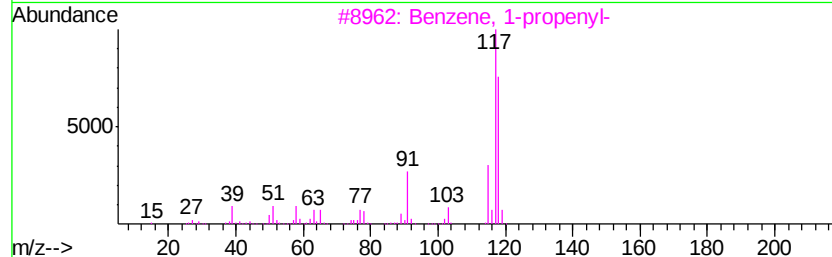
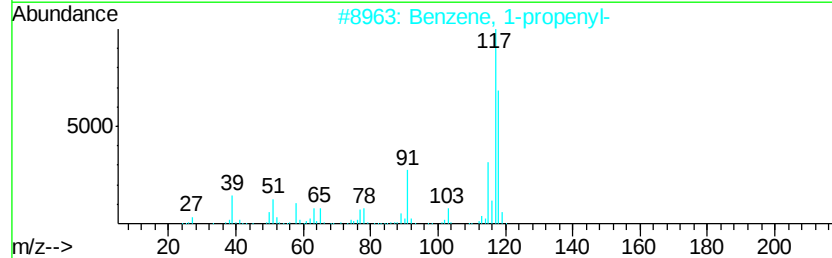
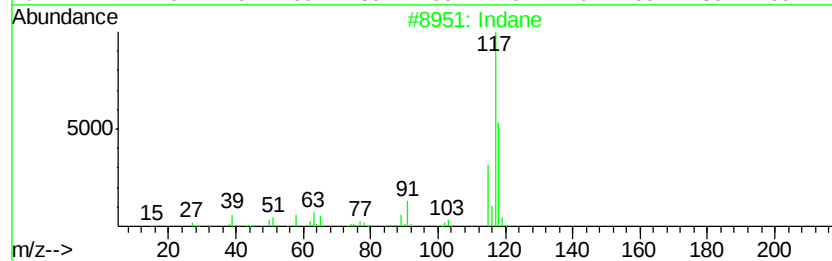
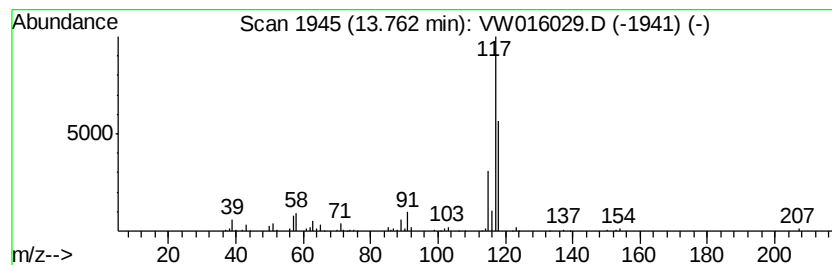
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Quant Title : VOC Analysis

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

Peak Number 27 Indane Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.36 ug/L	30853	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	74
2		Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
4		Indane	118	C9H10	000496-11-7	64
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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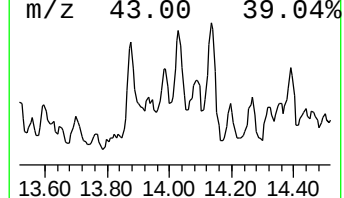
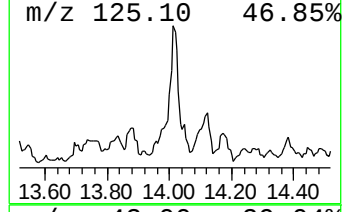
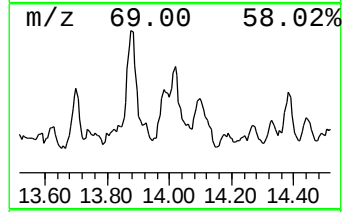
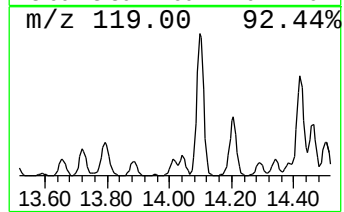
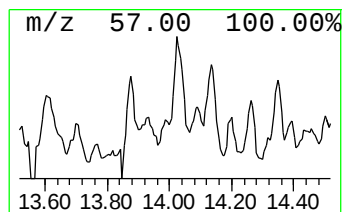
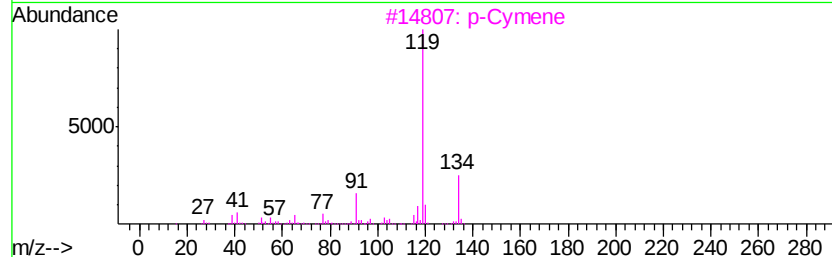
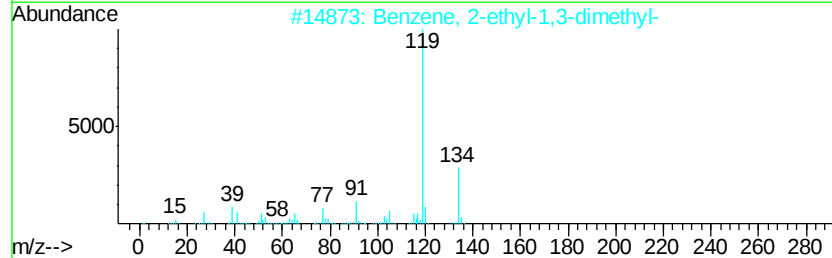
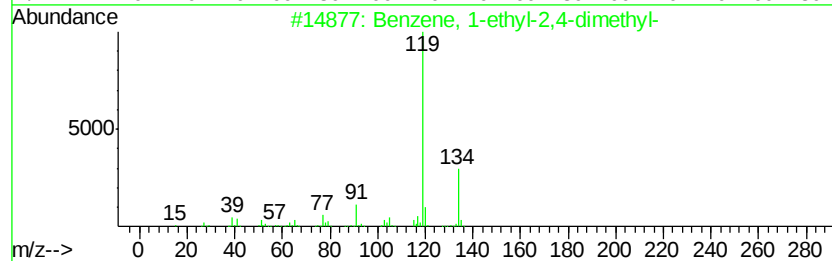
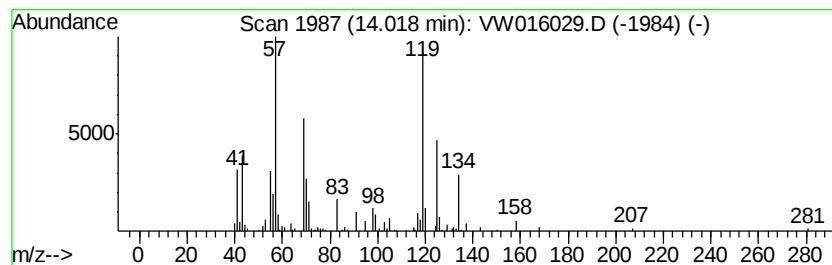
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Quant Title : VOC Analysis

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

Peak Number 28 unknown-03 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	1.41 ug/L	31975	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	43
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	43
3			p-Cymene	134	C10H14	000099-87-6	43
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	43
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

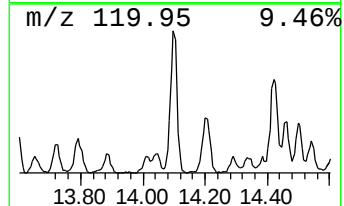
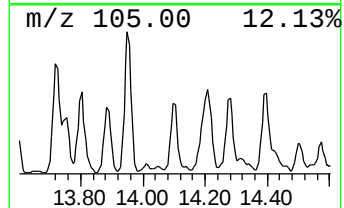
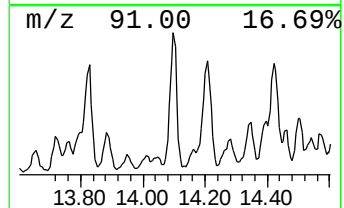
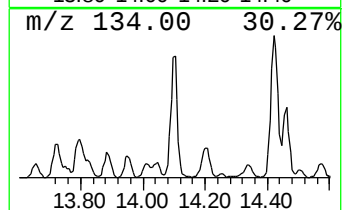
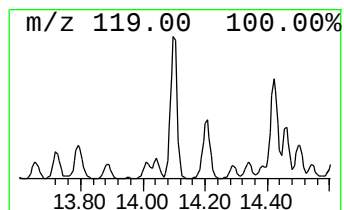
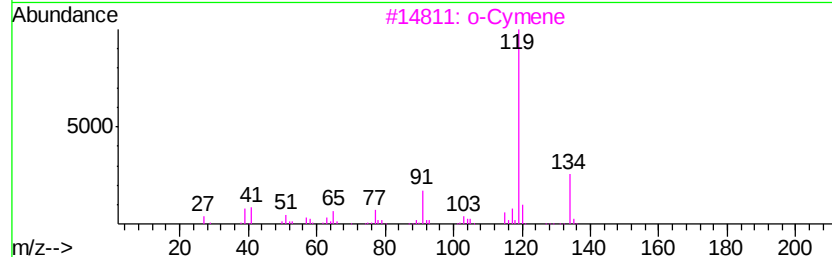
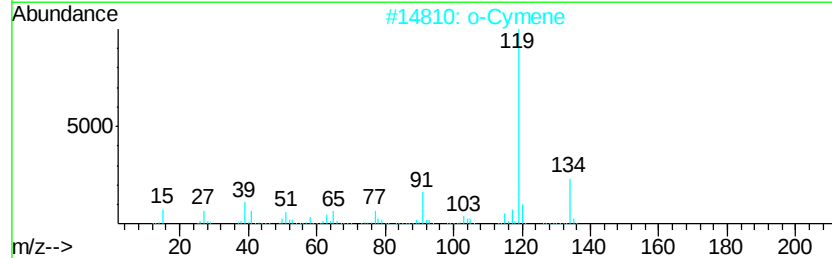
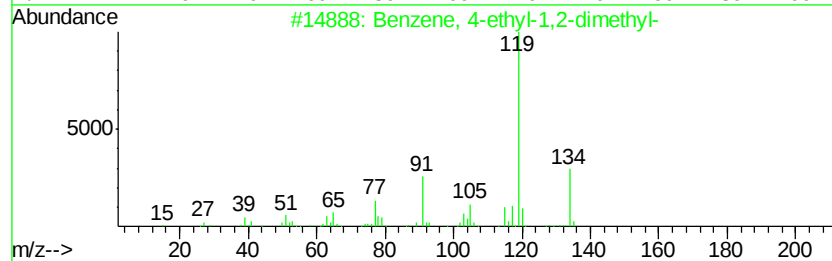
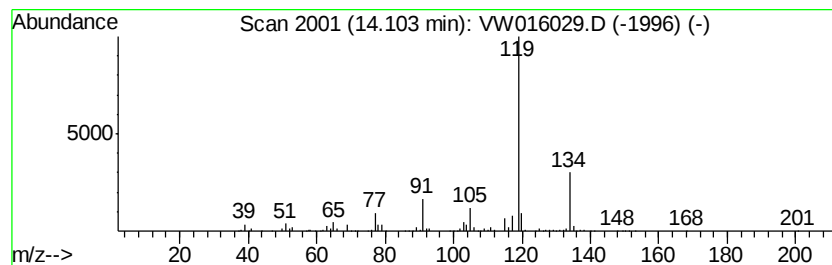
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	12.25 ug/L	278125	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	95
2		o-Cymene	134	C10H14	000527-84-4	94
3		o-Cymene	134	C10H14	000527-84-4	94
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:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

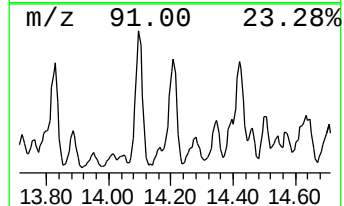
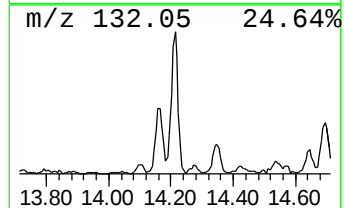
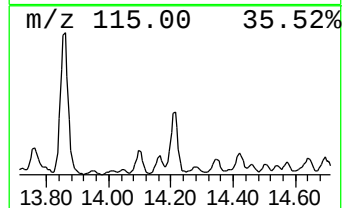
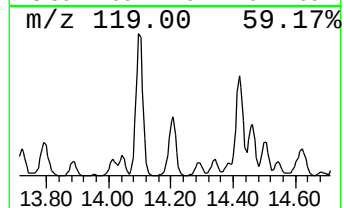
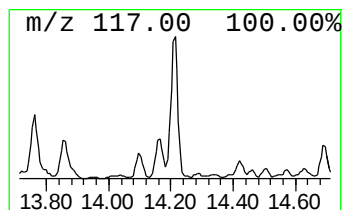
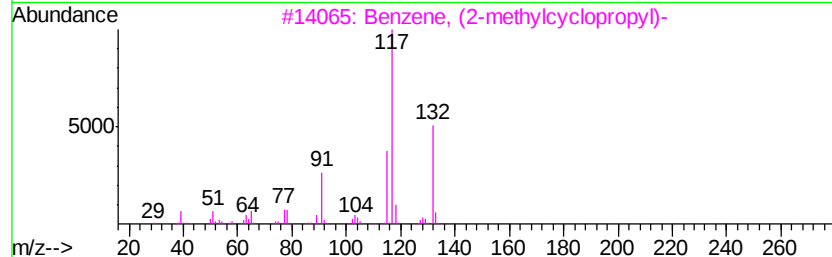
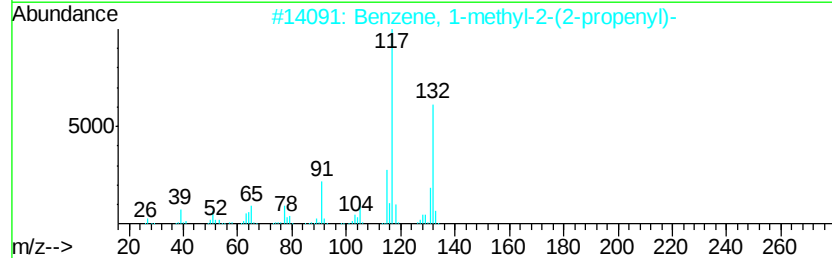
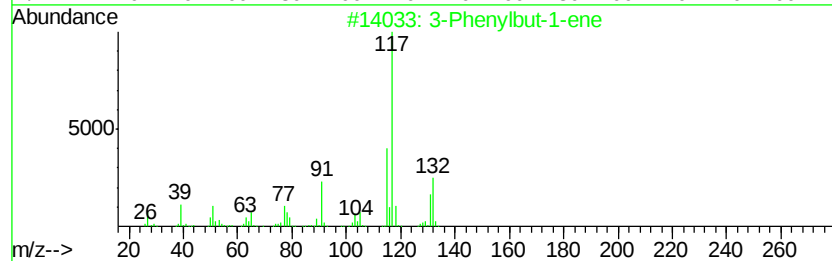
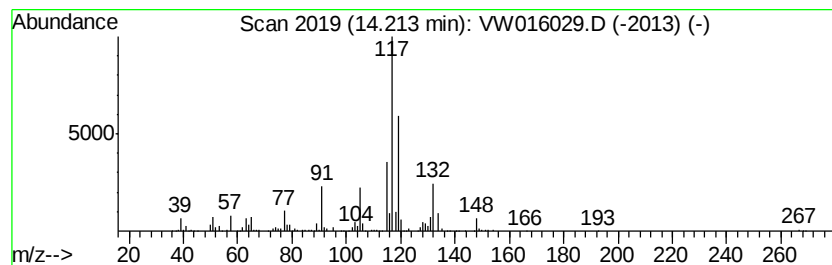
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 30 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	13.12 ug/L	297746	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Phenylbut-1-ene	132 C10H12	000934-10-1	50
2	Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8	46
3	Benzene, (2-methylcyclopropyl)-	132 C10H12	1000327-39-0	45
4	2,4-Dimethylstyrene	132 C10H12	002234-20-0	45
5	Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

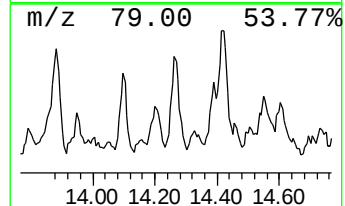
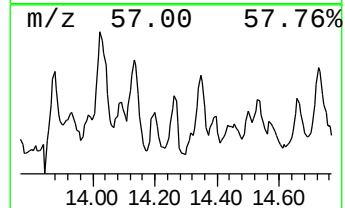
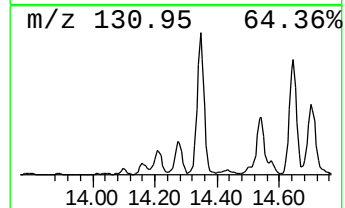
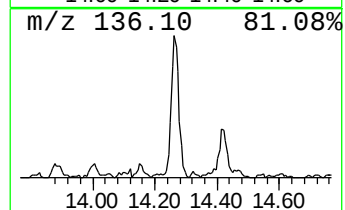
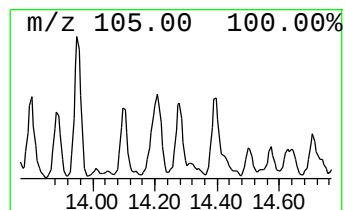
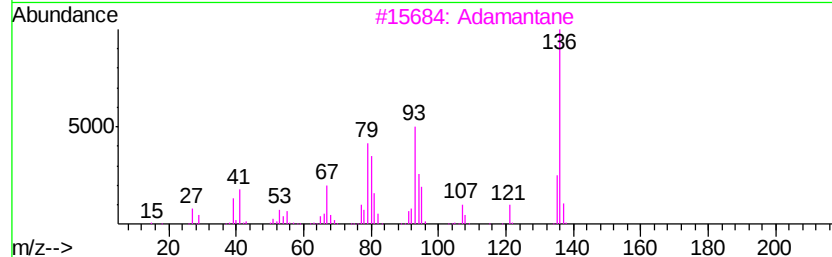
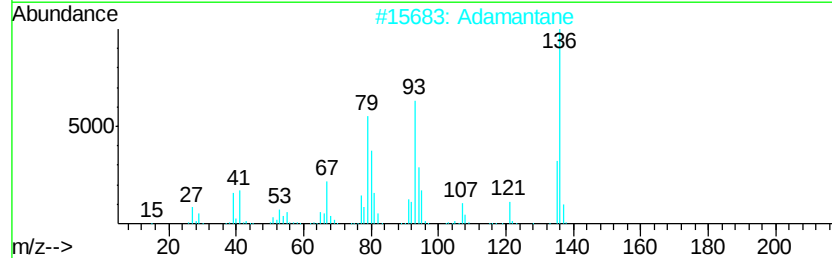
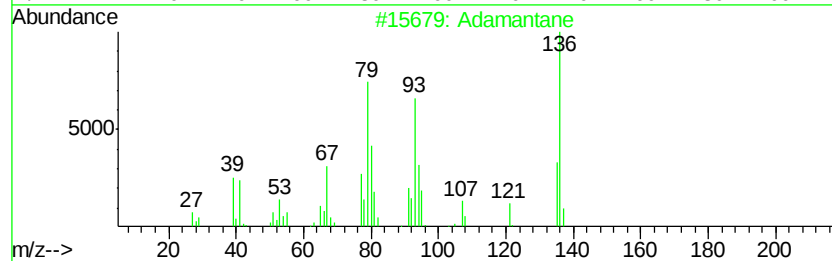
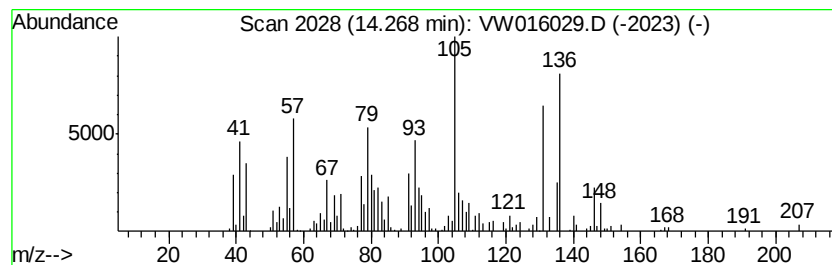
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Quant Title : VOC Analysis

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

Peak Number 31 Adamantane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	6.27 ug/L	142283	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane	136	C10H16	000281-23-2	96
2		Adamantane	136	C10H16	000281-23-2	70
3		Adamantane	136	C10H16	000281-23-2	64
4		Cyclohexanol, 2-methyl-5-(1-meth...	154	C10H18O	018675-33-7	49
5		(2-Ethyl-phenyl)-hydrazine	136	C8H12N2	1000317-35-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

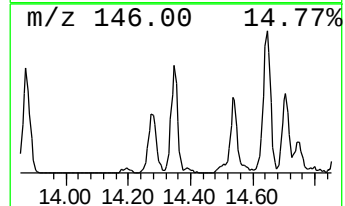
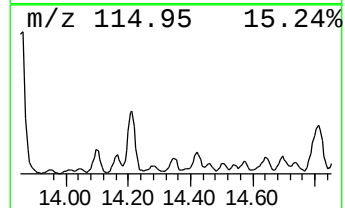
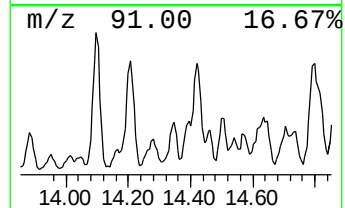
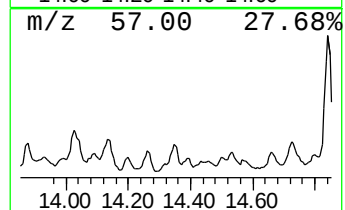
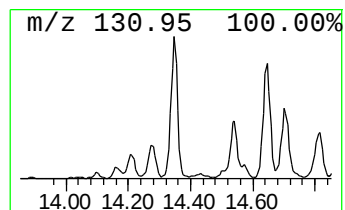
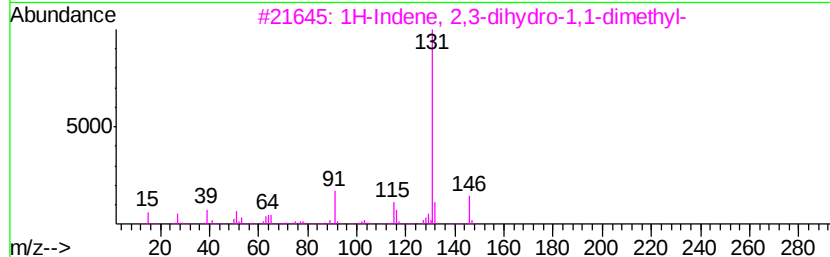
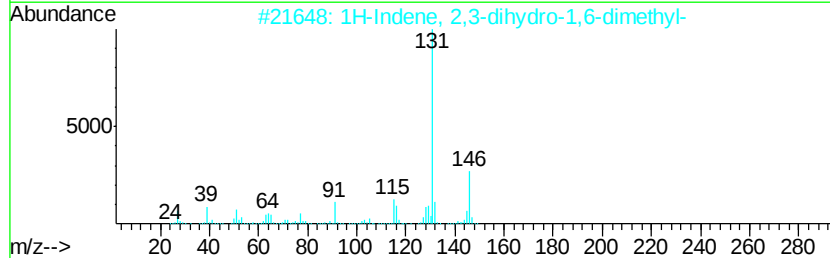
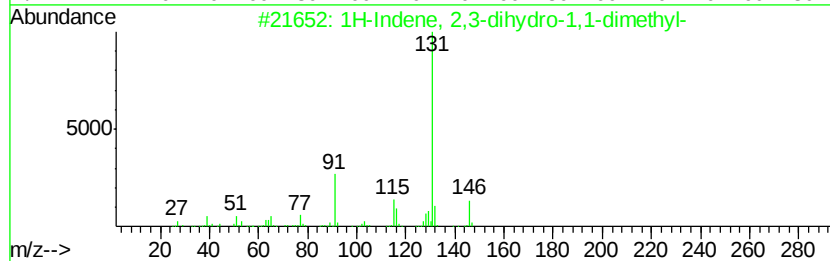
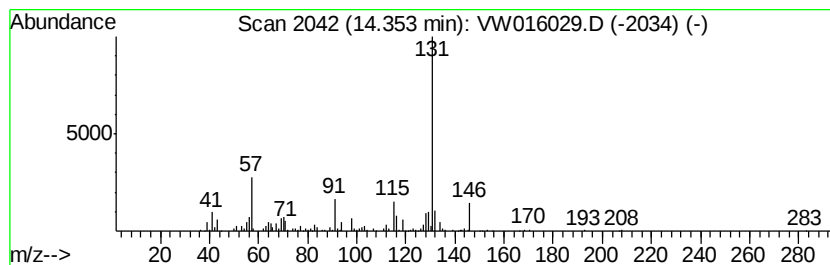
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Quant Title : VOC Analysis

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

Peak Number 32 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	6.41 ug/L	145448	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
3		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	72
5		Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

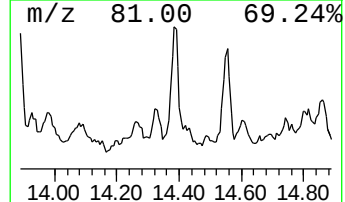
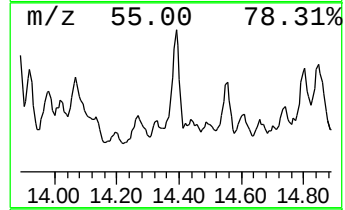
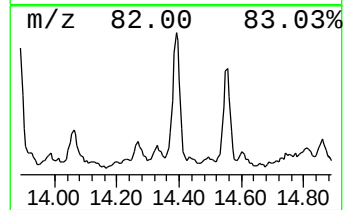
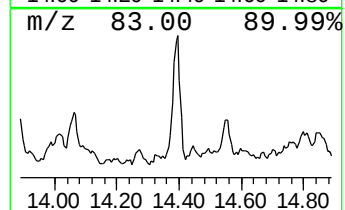
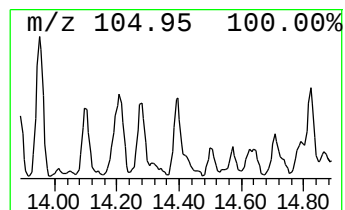
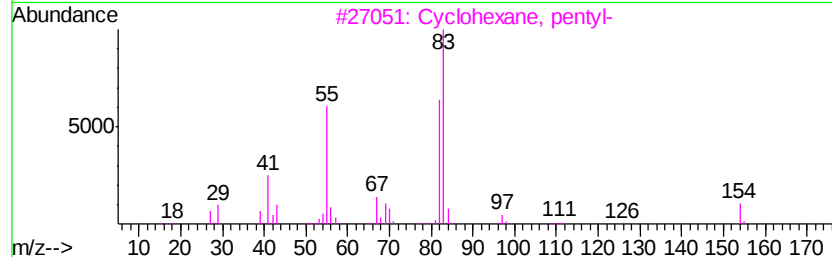
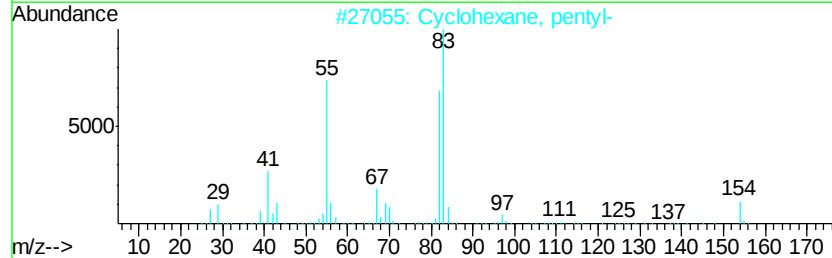
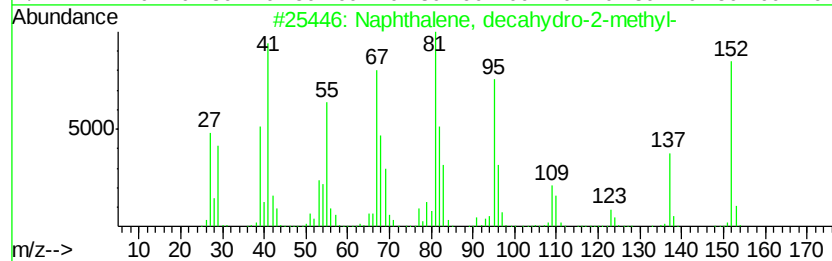
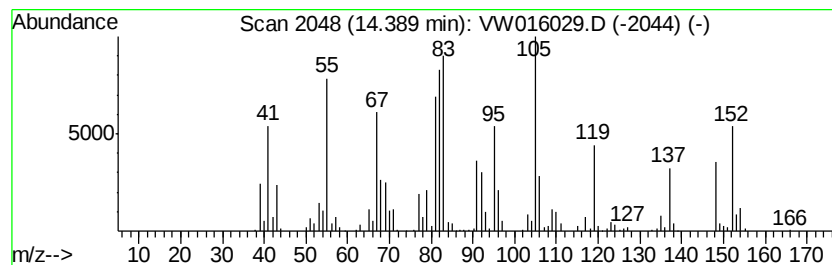
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Quant Title : VOC Analysis

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

Peak Number 33 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	8.59 ug/L	194961	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	35
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	30
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	30
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	30
5		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

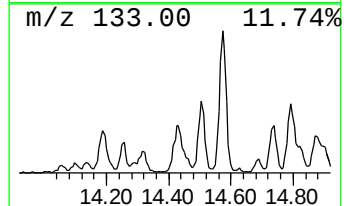
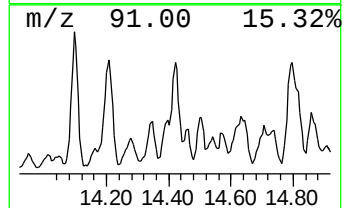
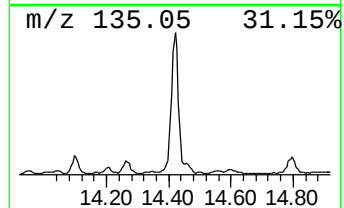
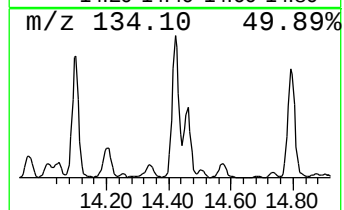
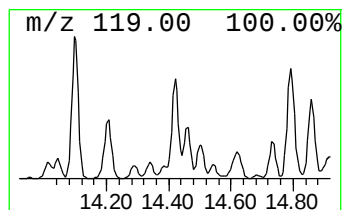
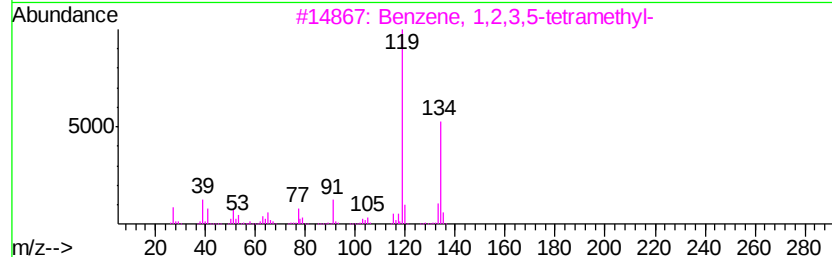
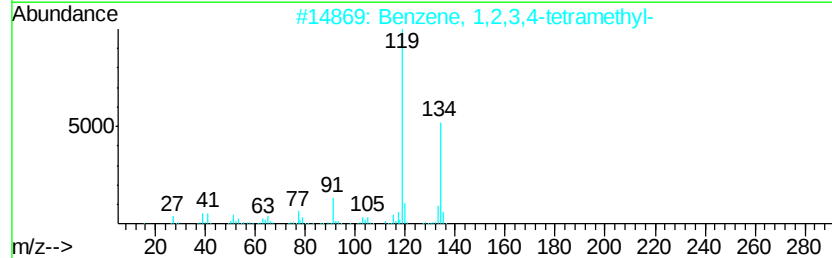
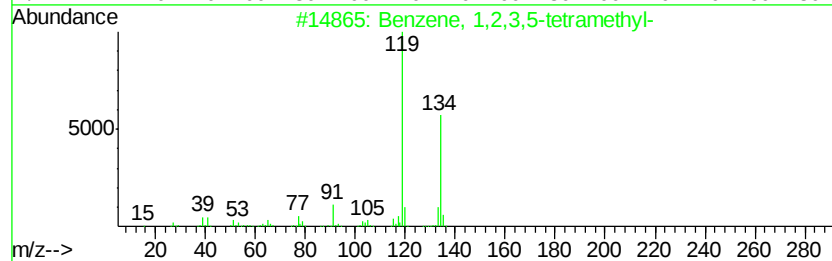
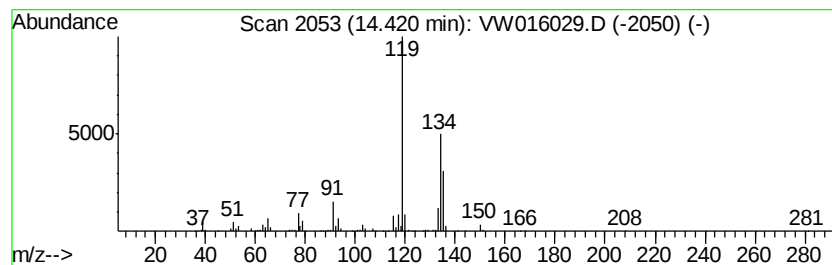
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	11.67 ug/L	264798	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	87
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

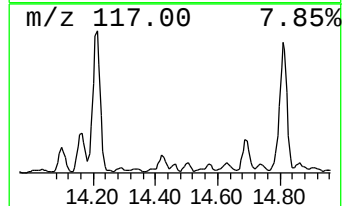
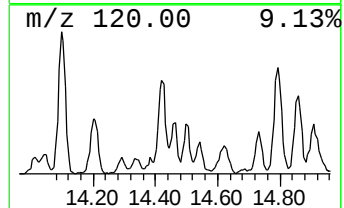
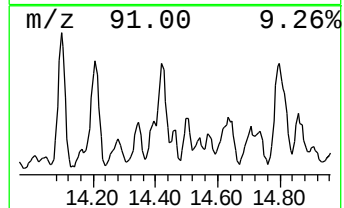
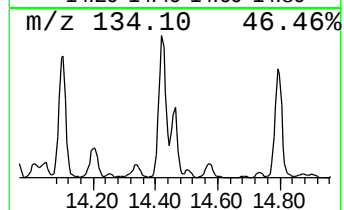
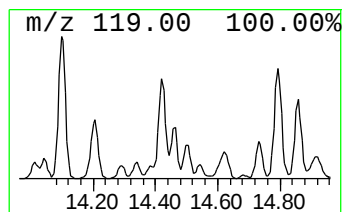
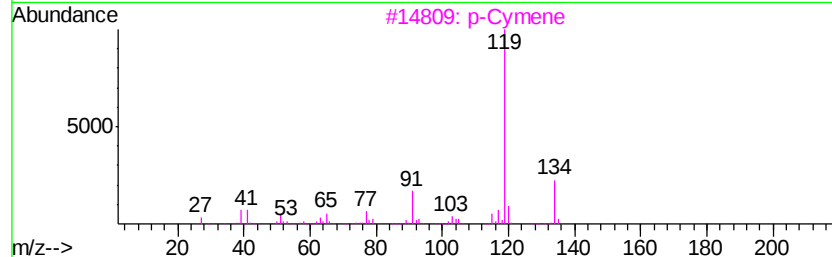
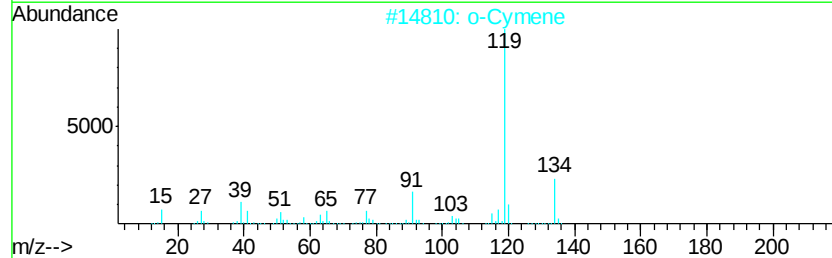
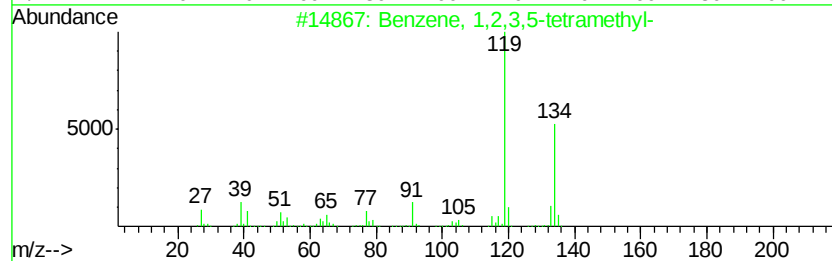
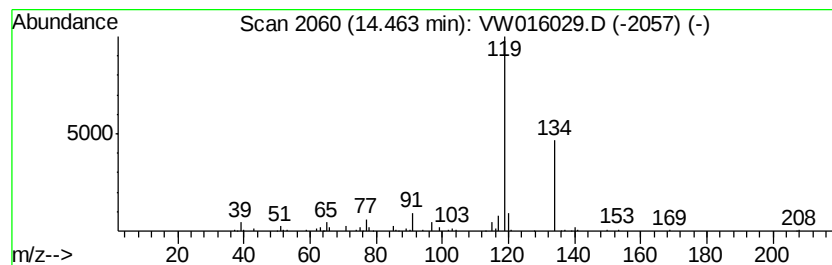
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Quant Title : VOC Analysis

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

Peak Number 35 o-Cymene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.39 ug/L	76967	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	91
2		o-Cymene	134	C10H14	000527-84-4	91
3		p-Cymene	134	C10H14	000099-87-6	91
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5		o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

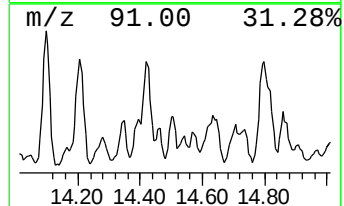
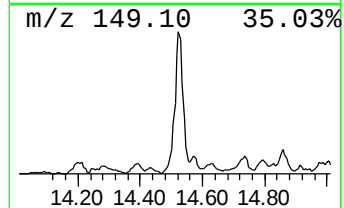
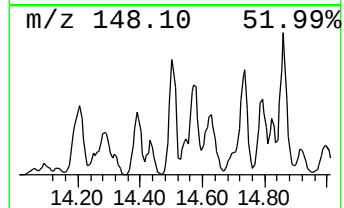
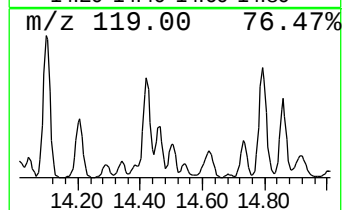
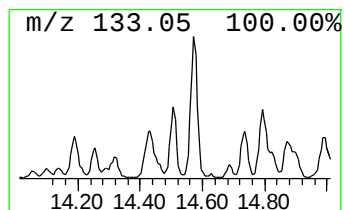
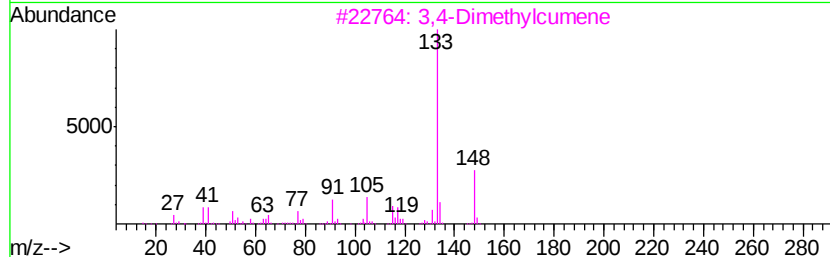
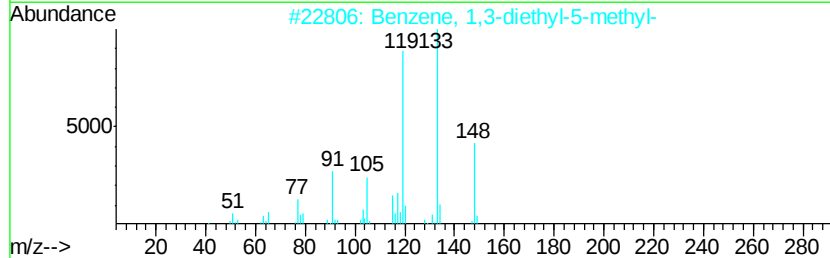
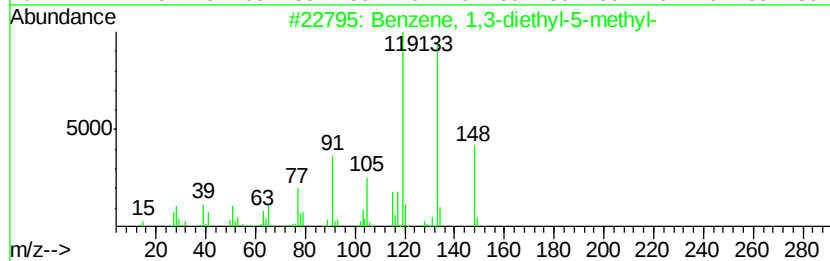
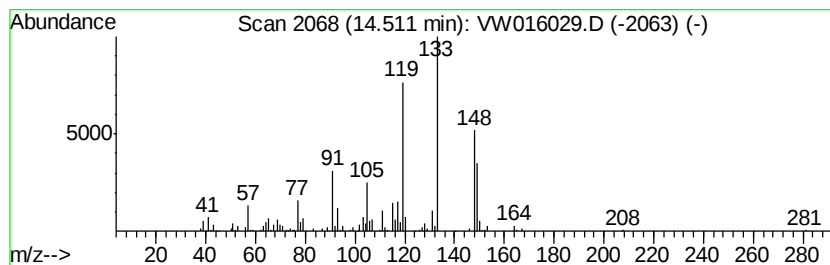
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Quant Title : VOC Analysis

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

Peak Number 36 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	4.68 ug/L	106313	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	96
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	60
4		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	50
5		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

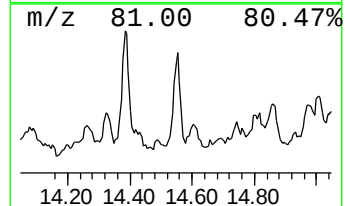
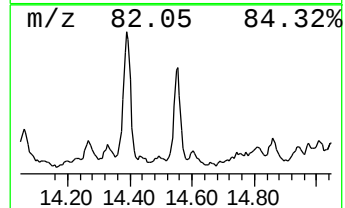
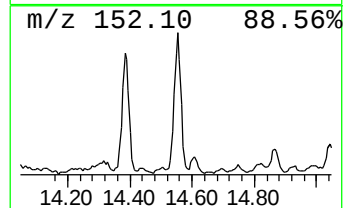
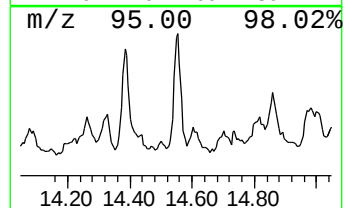
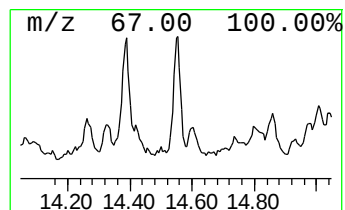
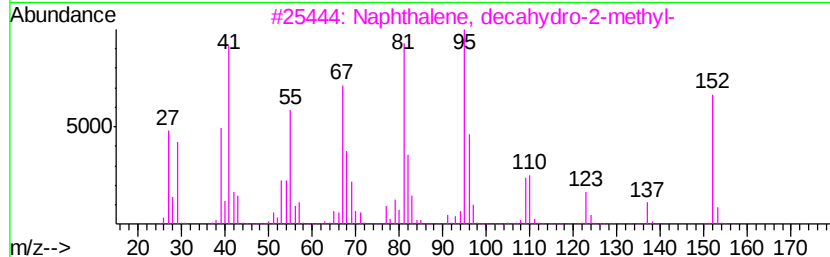
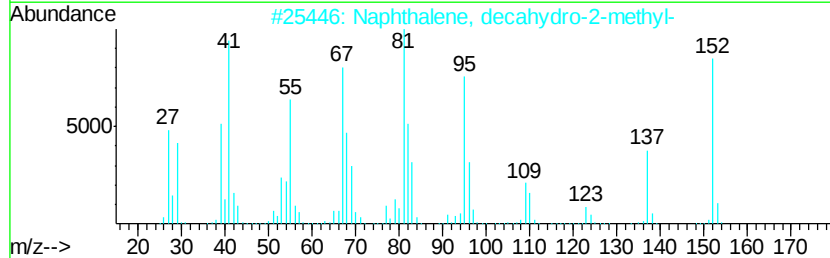
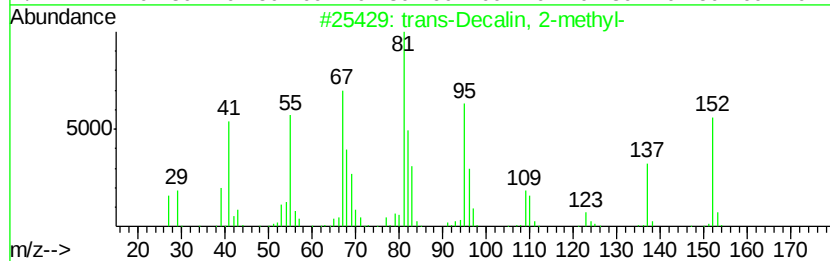
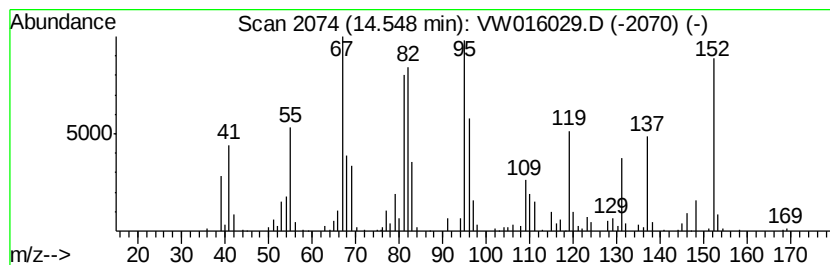
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Quant Title : VOC Analysis

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

Peak Number 37 trans-Decalin, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	8.04 ug/L	182590	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5		Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

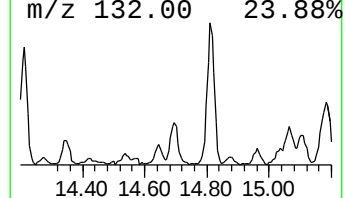
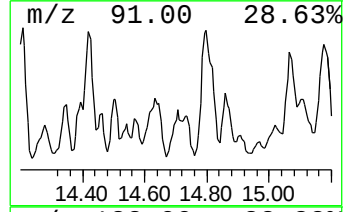
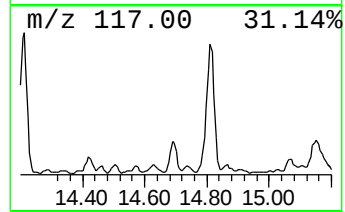
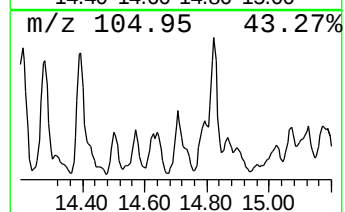
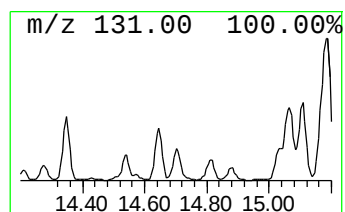
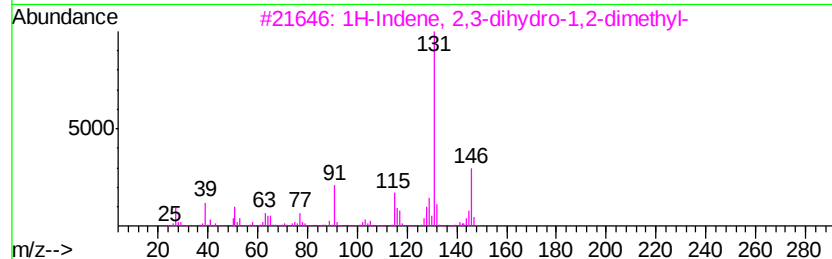
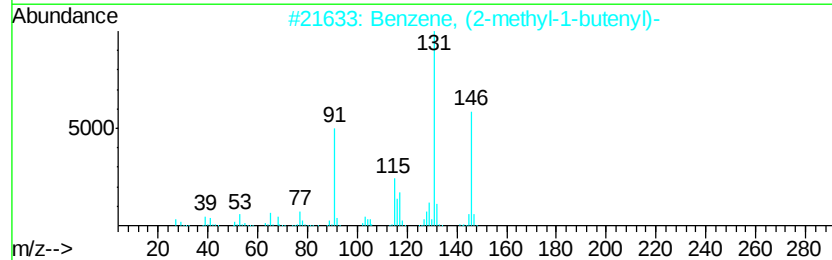
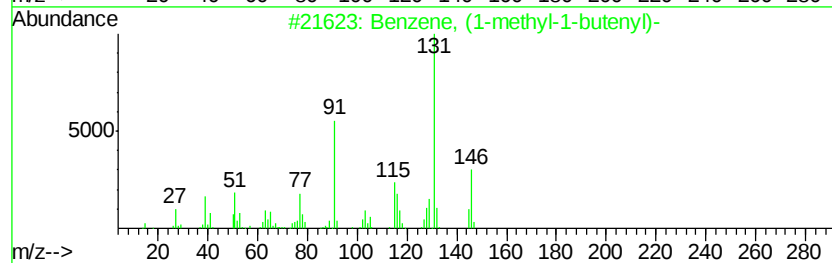
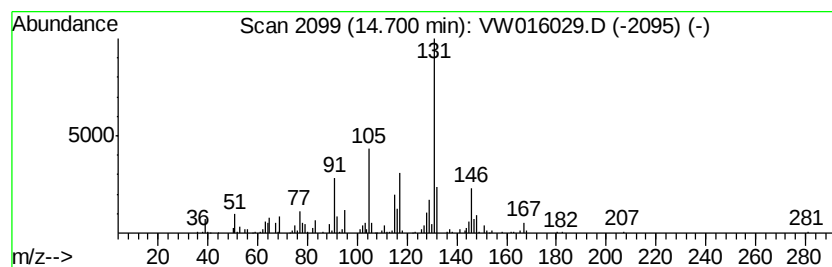
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, (1-methyl-1-butenyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	2.86 ug/L	64811	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

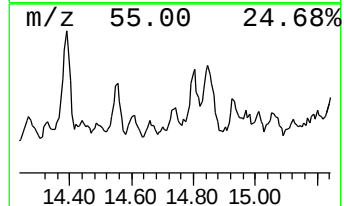
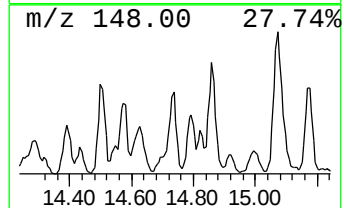
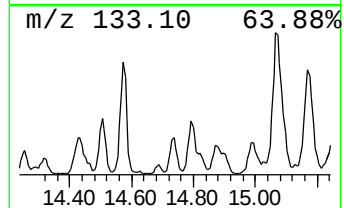
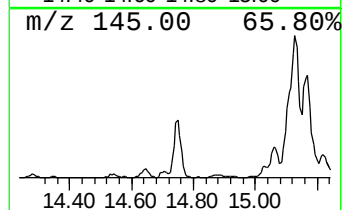
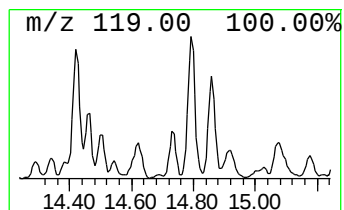
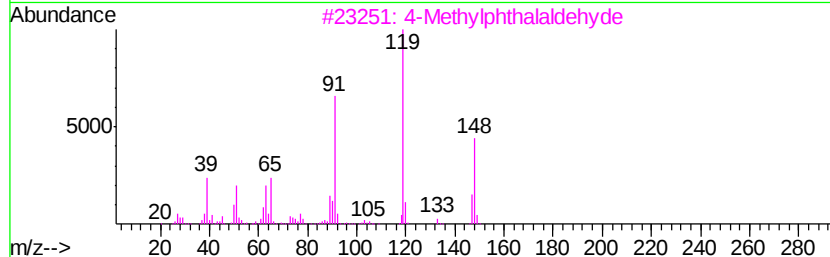
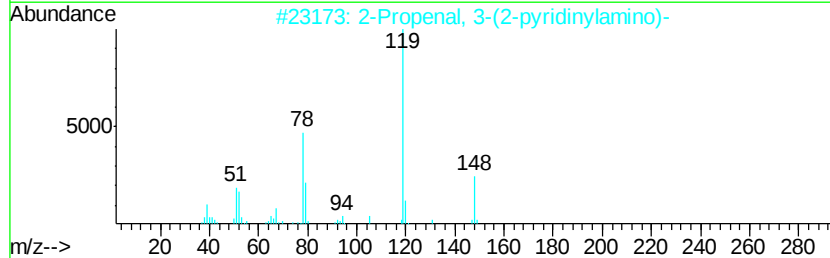
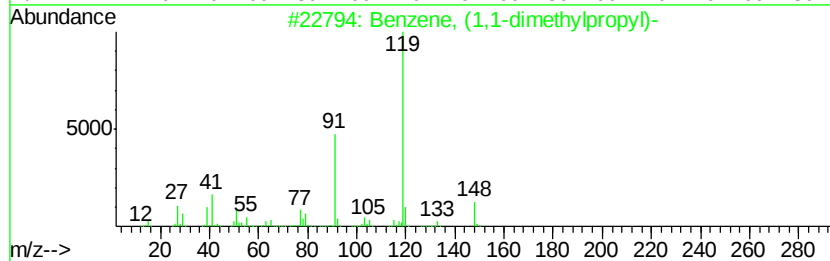
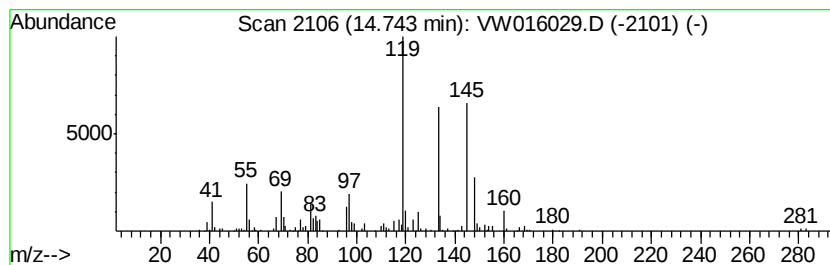
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Quant Title : VOC Analysis

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

Peak Number 39 unknown-05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	5.30 ug/L	120227	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
2		2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	47
3		4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	47
4		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

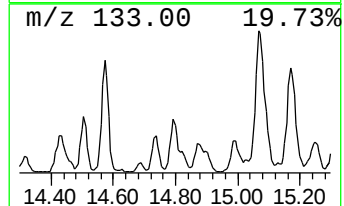
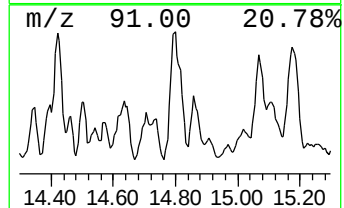
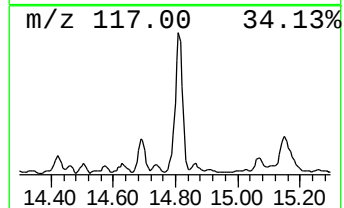
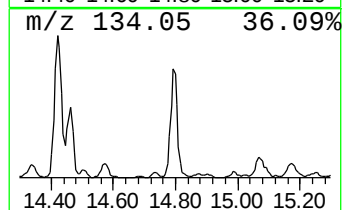
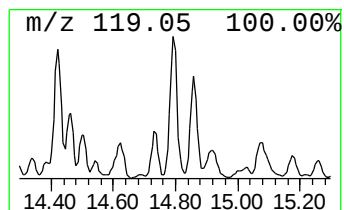
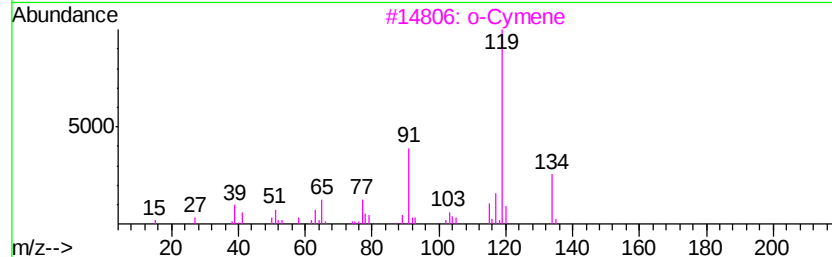
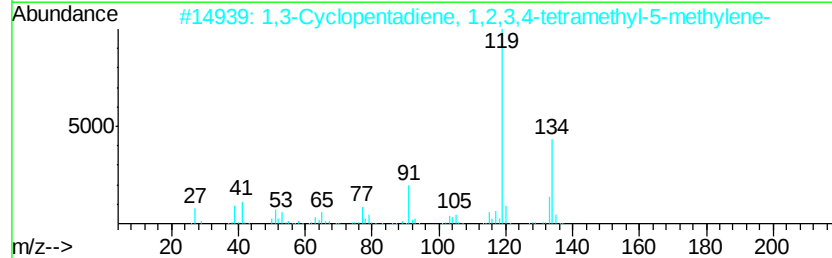
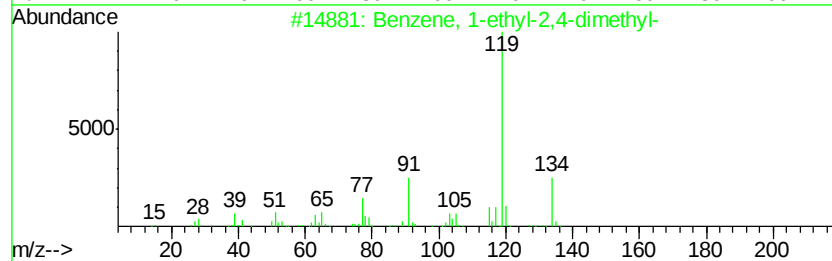
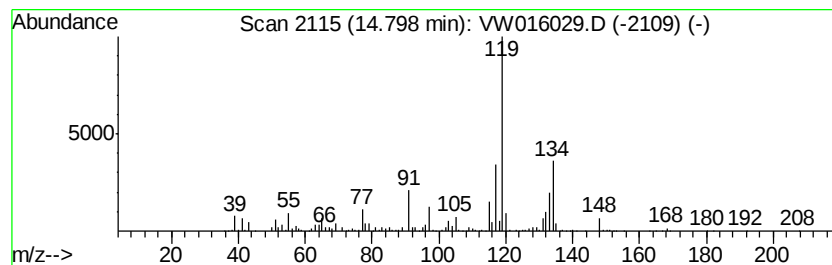
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Quant Title : VOC Analysis

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

Peak Number 40 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	22.02 ug/L	499910	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
3		o-Cymene	134	C10H14	000527-84-4	64
4		o-Cymene	134	C10H14	000527-84-4	64
5		p-Cymene	134	C10H14	000099-87-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

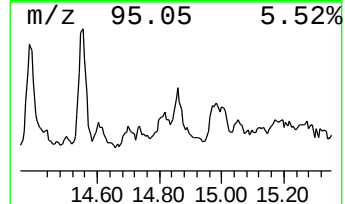
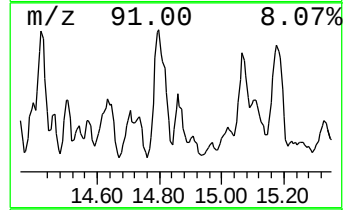
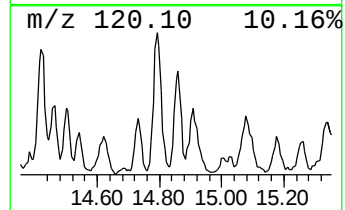
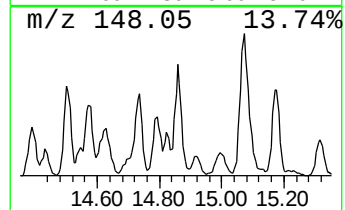
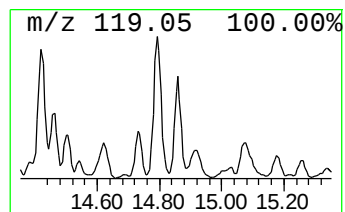
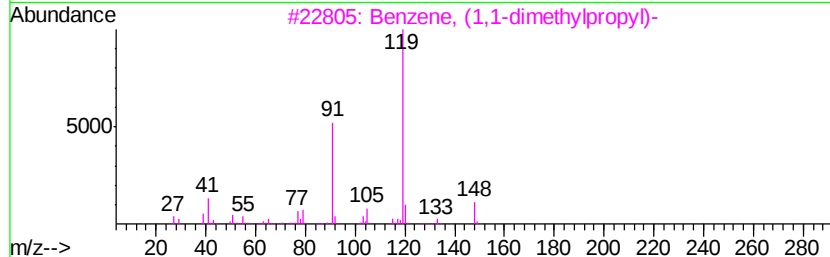
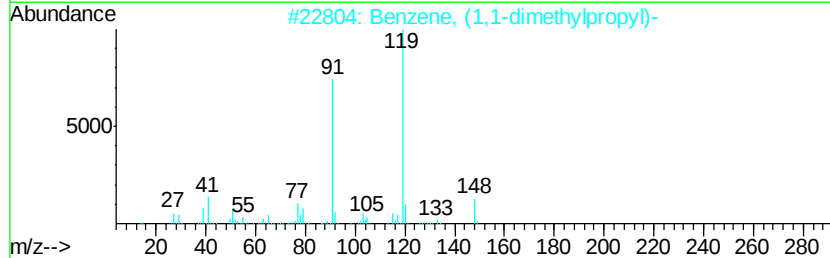
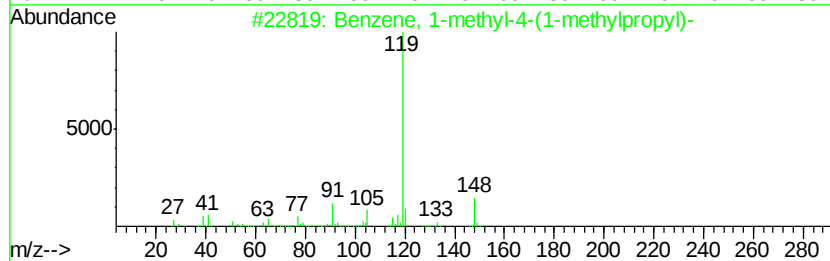
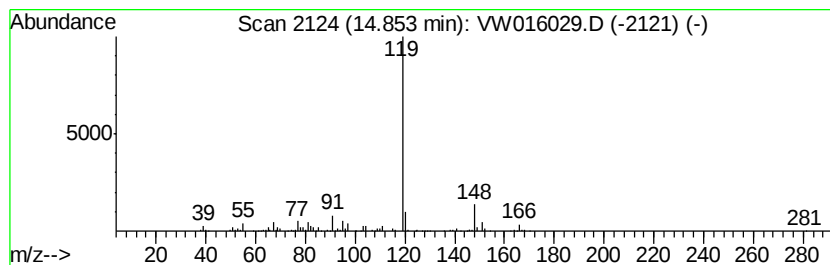
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 41 Benzene, 1-methyl-4-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	10.72 ug/L	243442	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 64
2		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 64
3		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 59
4		Acetic acid, (2,4-xylyl)-	164 C10H12O2	006331-04-0 53
5		4'-Methylpropiophenone	148 C10H12O	005337-93-9 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

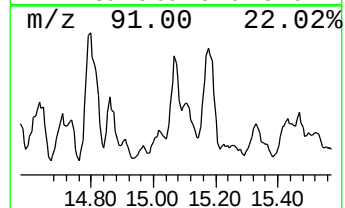
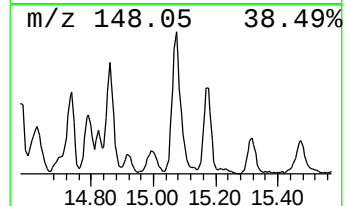
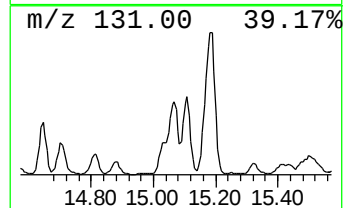
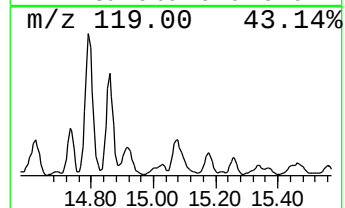
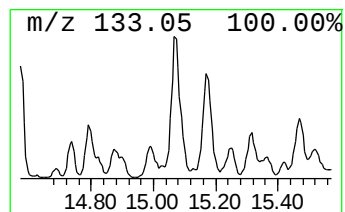
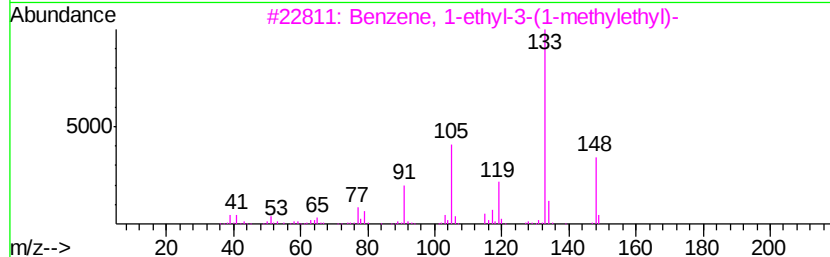
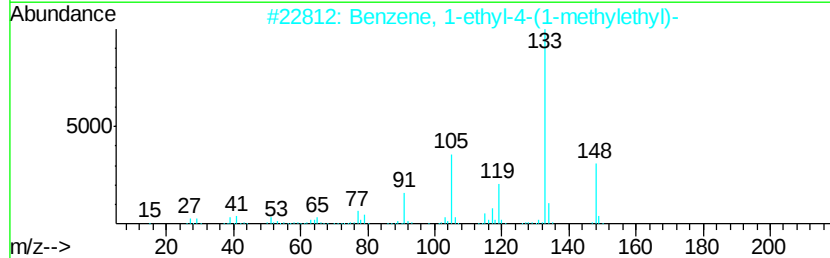
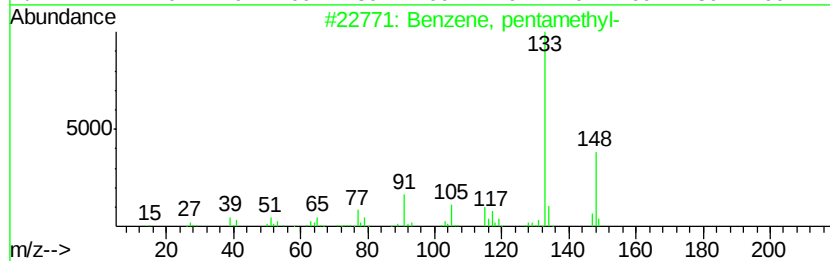
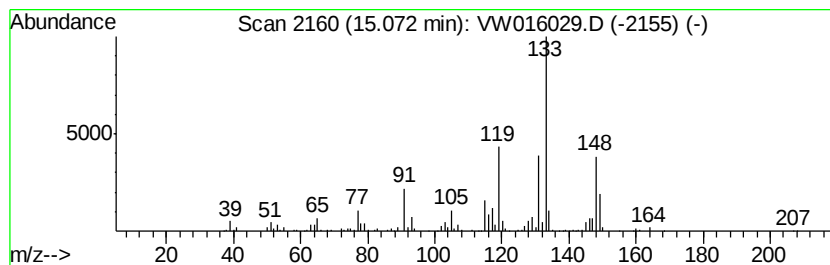
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, pentamethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	8.99 ug/L	203974	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	52
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

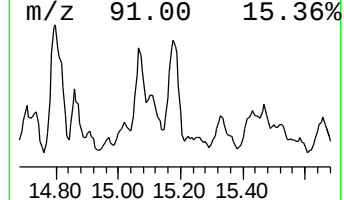
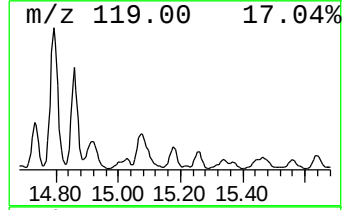
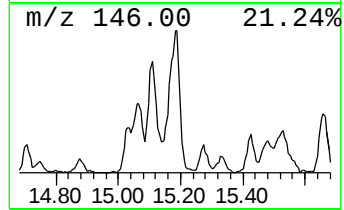
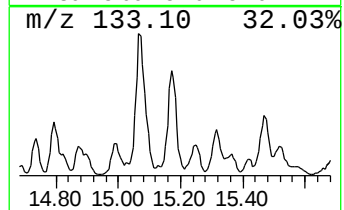
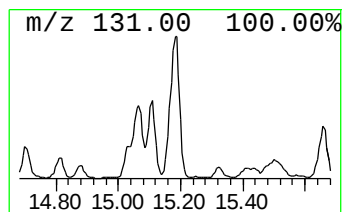
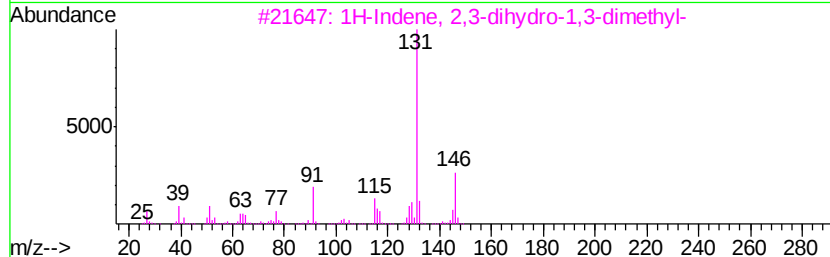
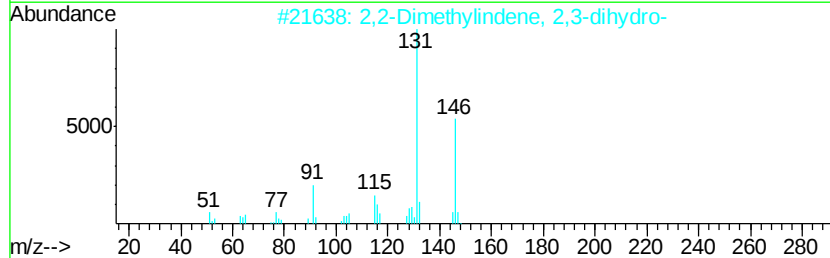
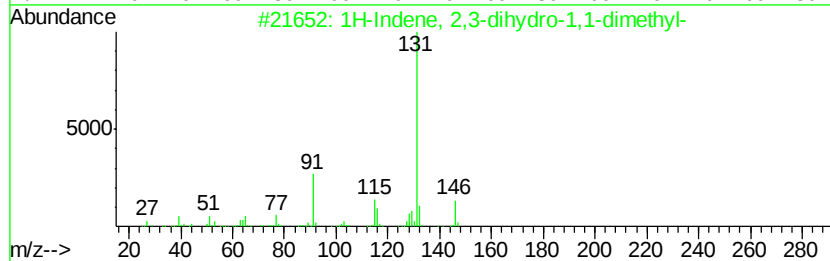
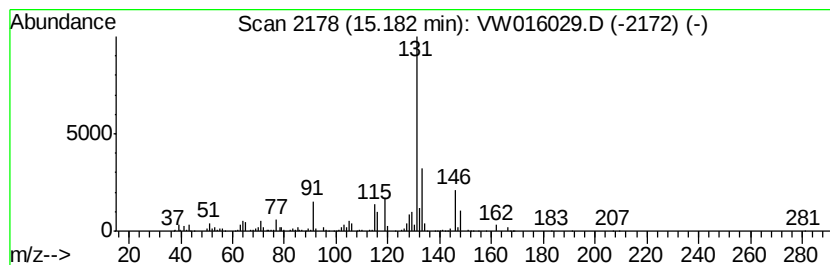
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Quant Title : VOC Analysis

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

Peak Number 43 2,2-Dimethylindene, 2,3-dih... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	16.56 ug/L	375922	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	60
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
5		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

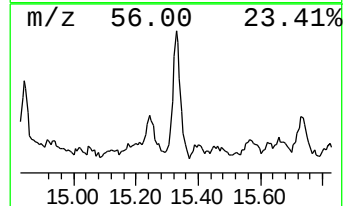
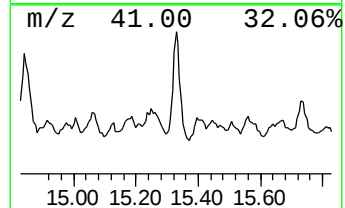
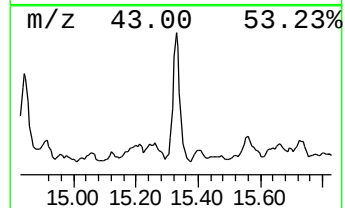
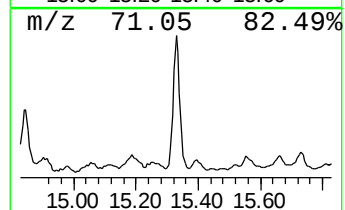
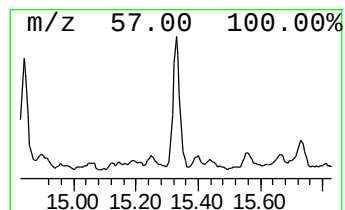
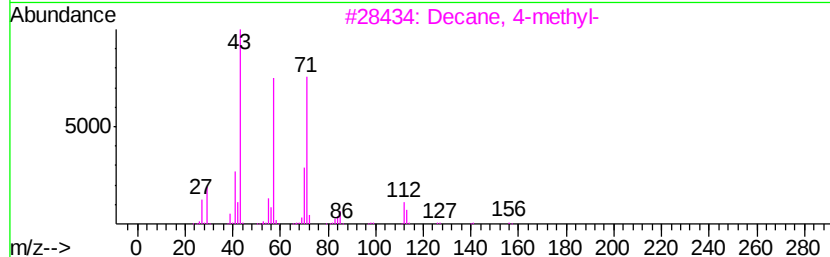
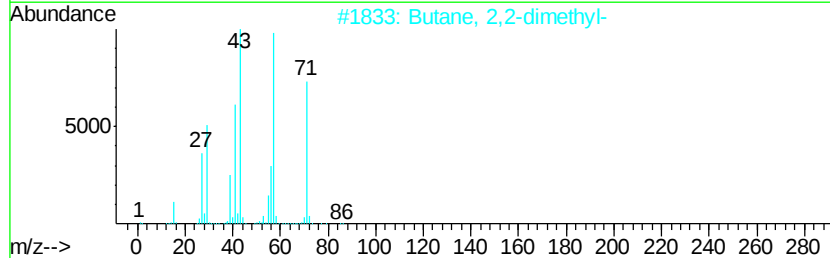
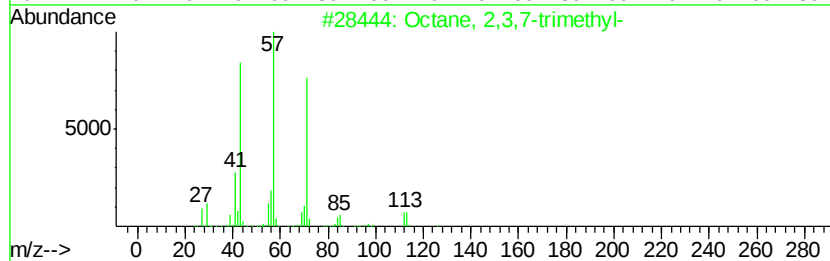
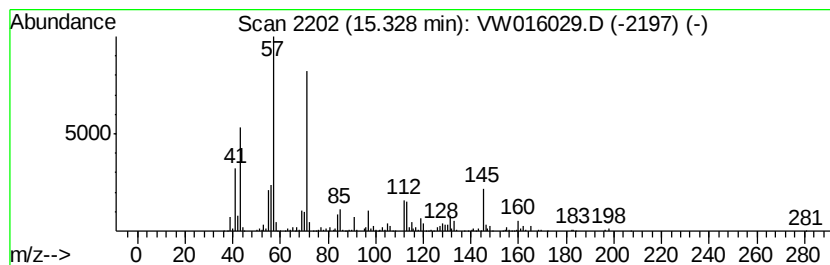
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	13.28 ug/L	301432	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
2		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47
3		Decane, 4-methyl-	156	C11H24	002847-72-5	47
4		4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	43
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

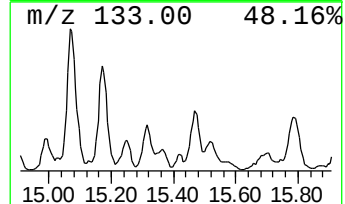
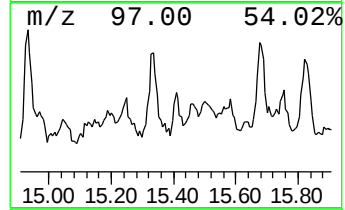
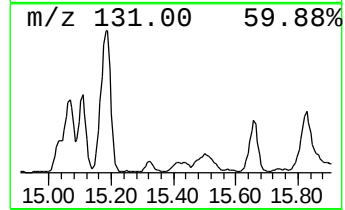
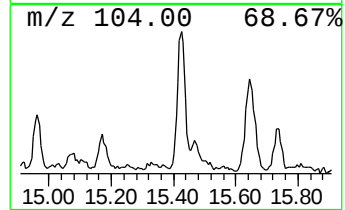
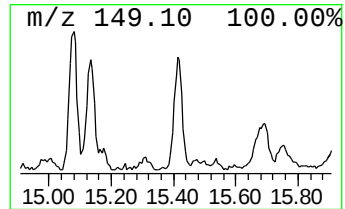
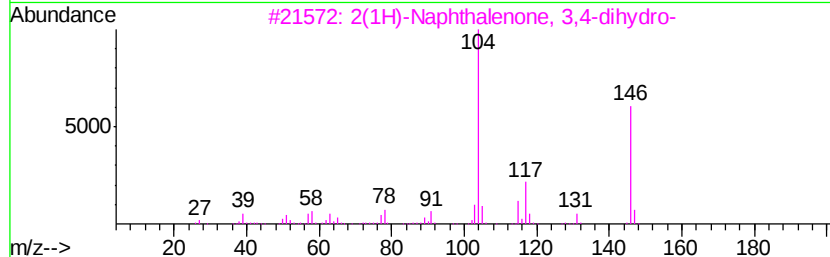
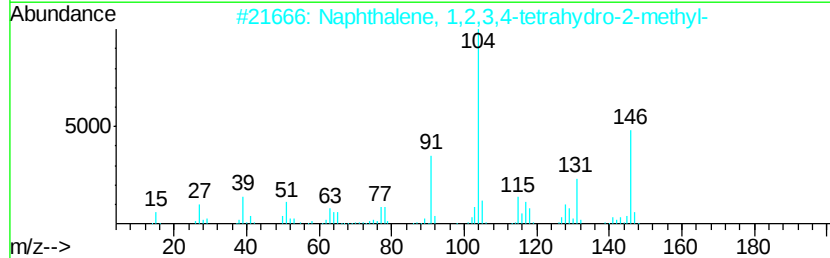
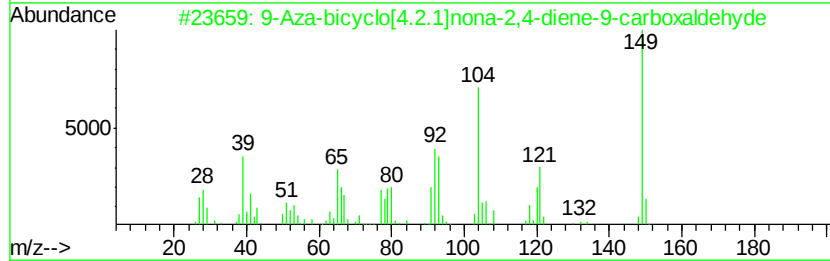
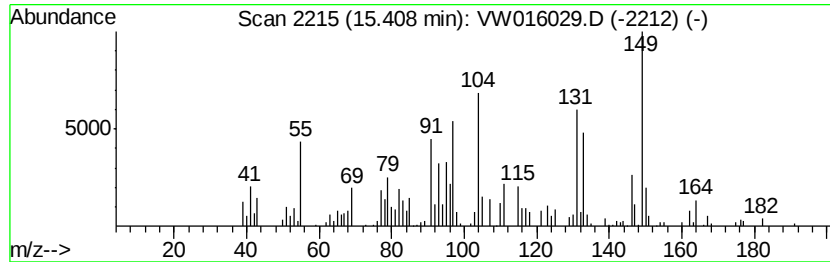
Instrument :
MSVOA_W
ClientSampled :
CB7H4

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

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

Peak Number 45 unknown-06 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	3.05 ug/L	69335	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9-Aza-bicyclo[4.2.1]nona-2,4-die...	149 C9H11NO	034668-54-7	45
2	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	30
3	2(1H)-Naphthalenone, 3,4-dihydro-	146 C10H10O	000530-93-8	18
4	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	18
5	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

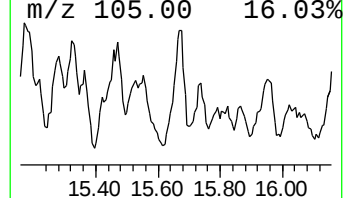
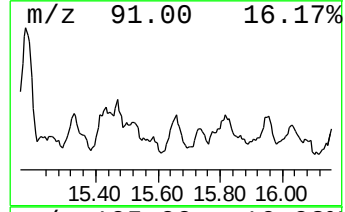
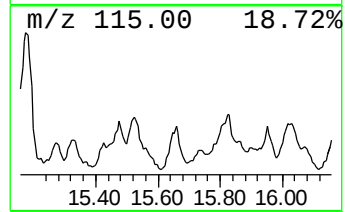
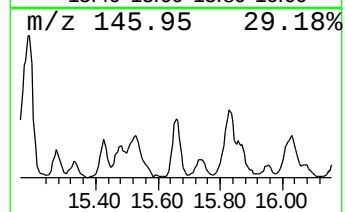
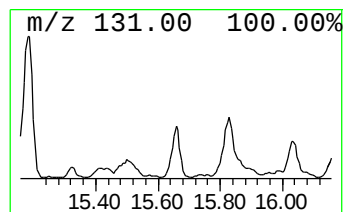
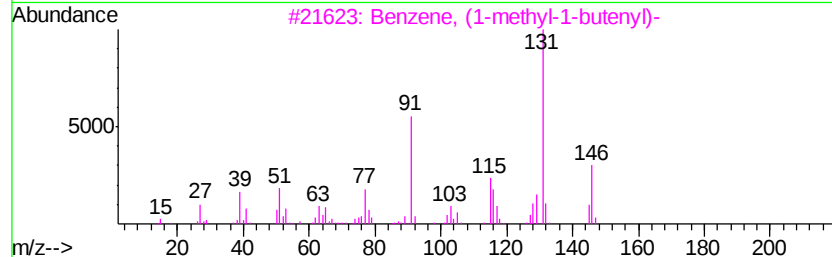
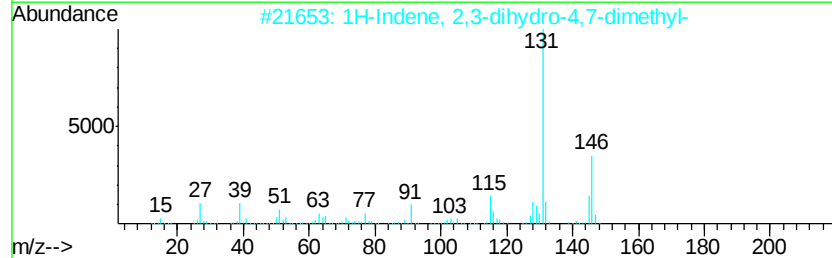
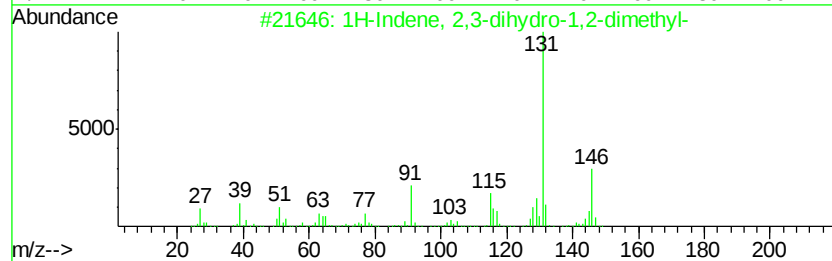
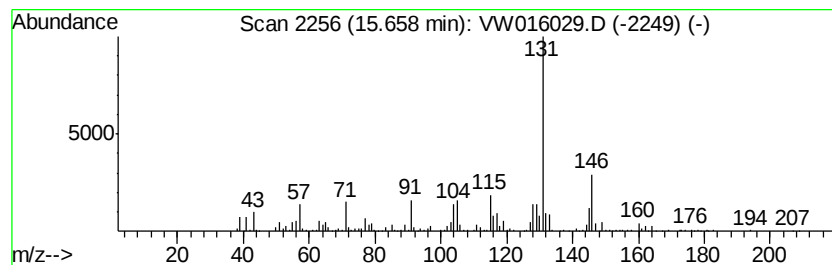
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 46 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	9.87 ug/L	223969	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
4		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	87
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

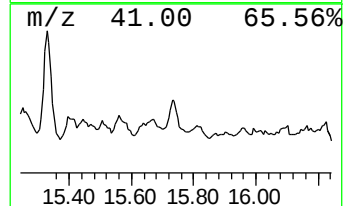
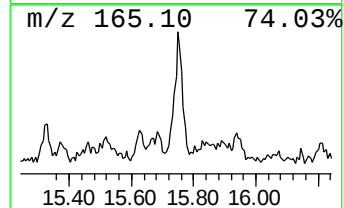
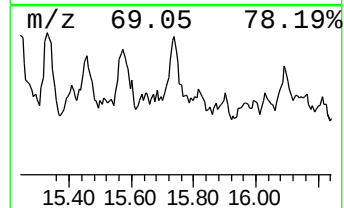
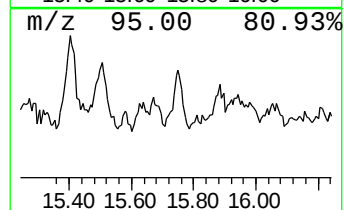
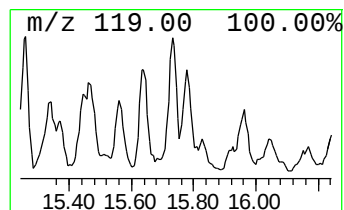
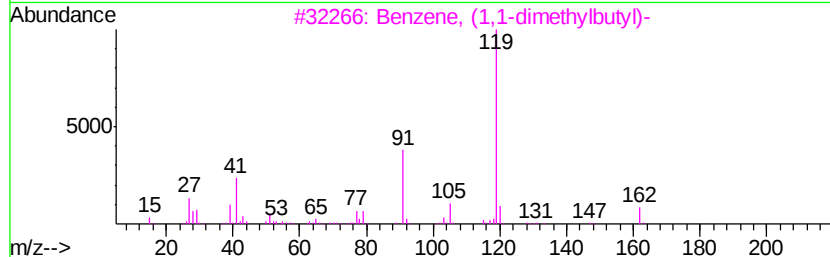
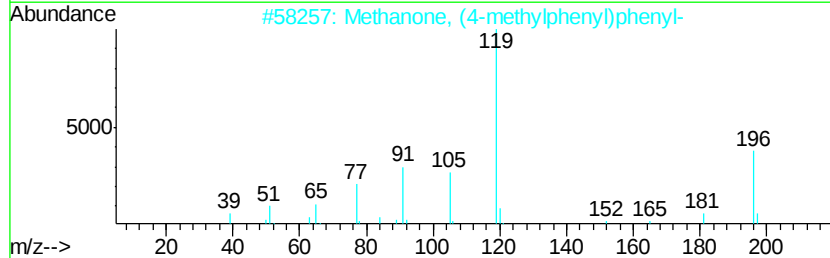
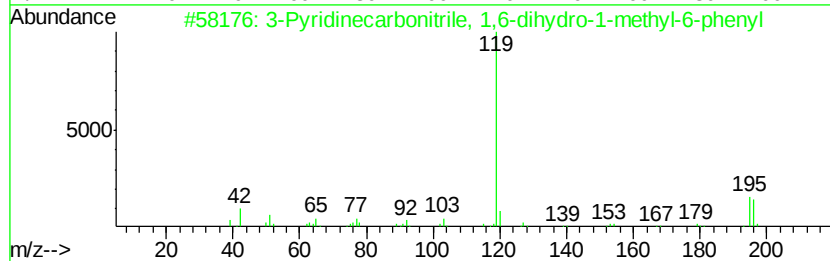
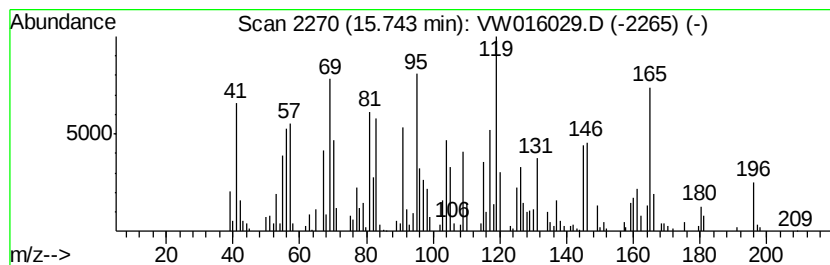
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 47 unknown-07 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	4.08 ug/L	92584	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Pyridinecarbonitrile, 1,6-dihy...	196	C13H12N2	027531-40-4	30
2		Methanone, (4-methylphenyl)phenyl-	196	C14H12O	000134-84-9	22
3		Benzene, (1,1-dimethylbutyl)-	162	C12H18	001985-57-5	22
4		Methanone, (4-methylphenyl)phenyl-	196	C14H12O	000134-84-9	22
5		3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

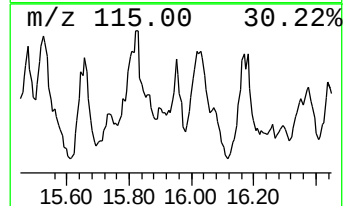
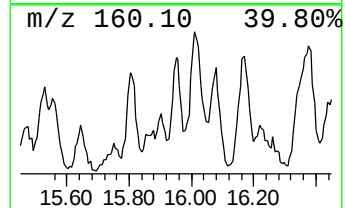
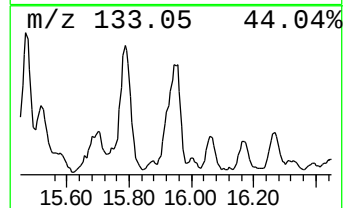
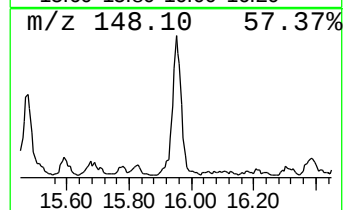
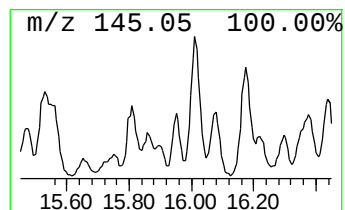
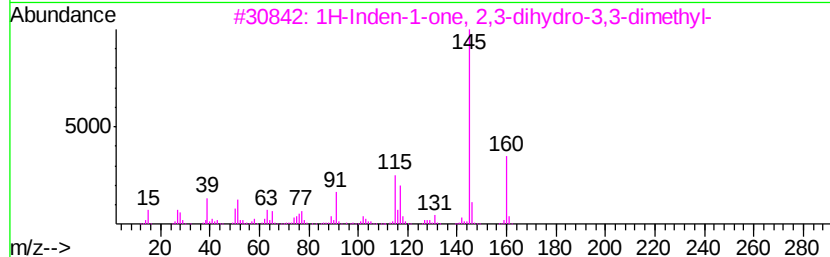
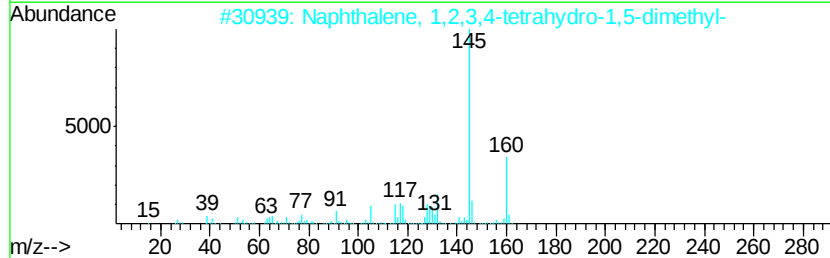
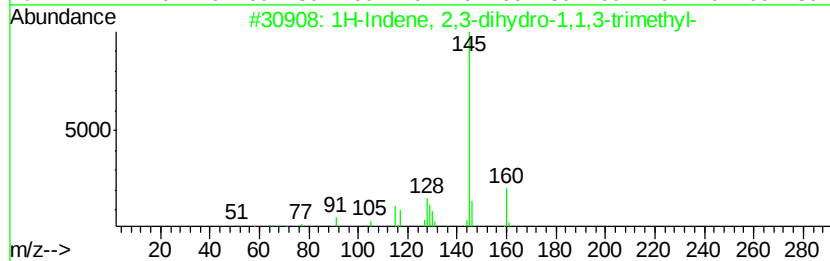
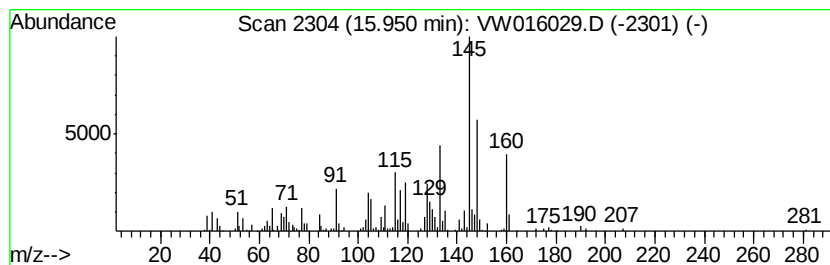
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 48 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	3.52 ug/L	80007	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	55
3			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	50
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	50
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

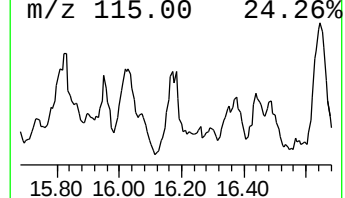
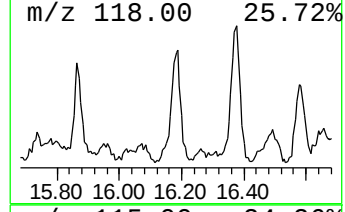
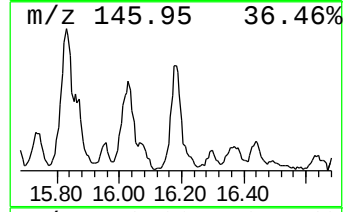
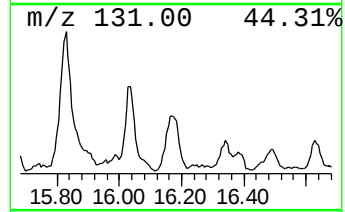
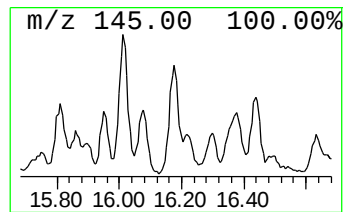
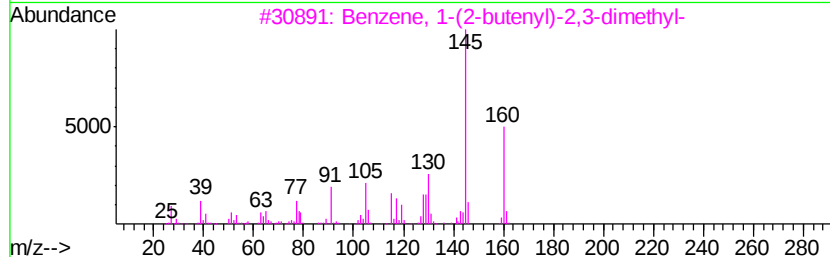
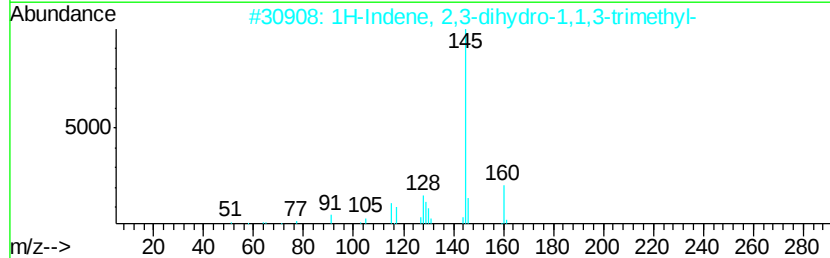
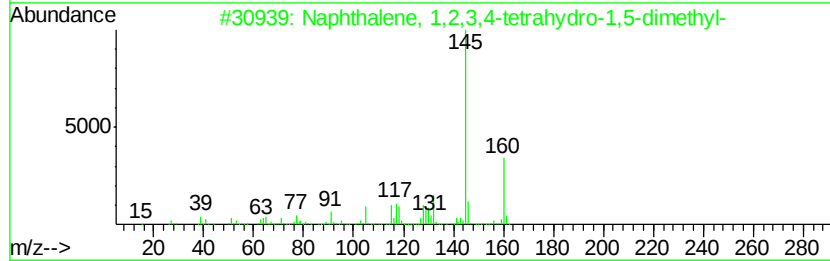
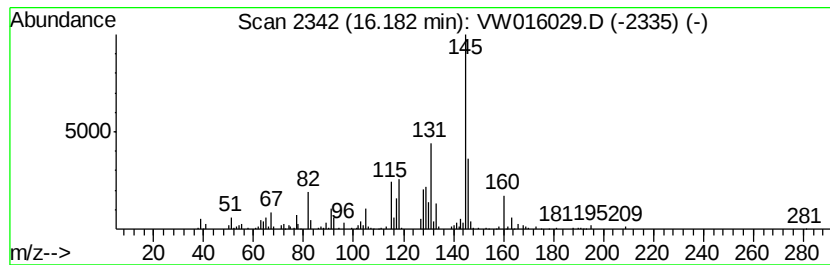
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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

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

Peak Number 49 Naphthalene, 1,2,3,4-tetra... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	5.58 ug/L	126586	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	021564-91-0 53
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 52
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 50
4		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 49
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	025419-33-4 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
Data File : VW016029.D
Acq On : 03 Aug 2020 12:43
Operator : SY/VA
Sample : L3533-01
Misc : 3.22G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

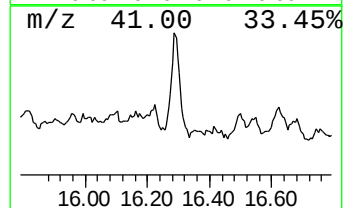
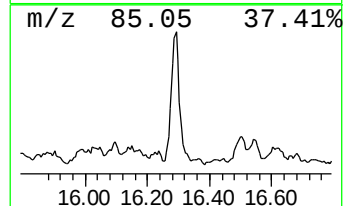
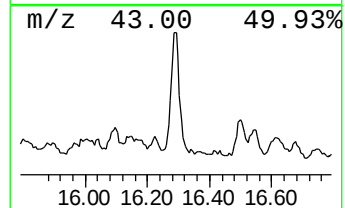
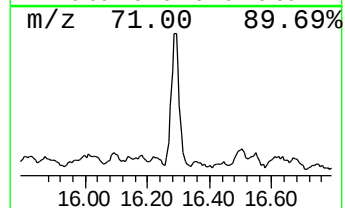
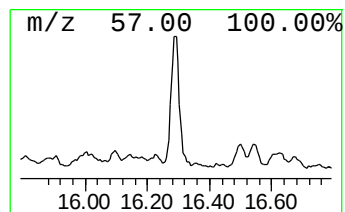
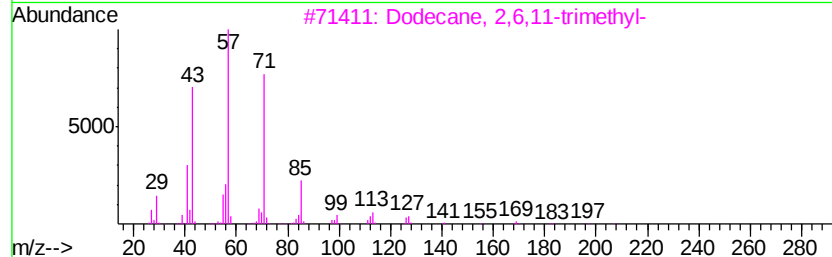
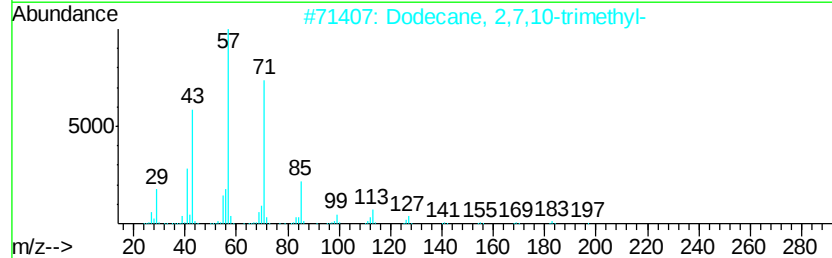
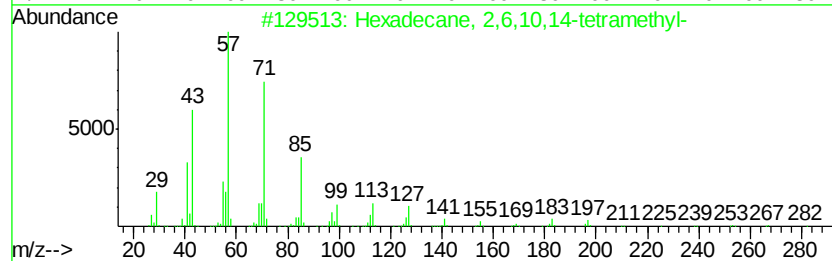
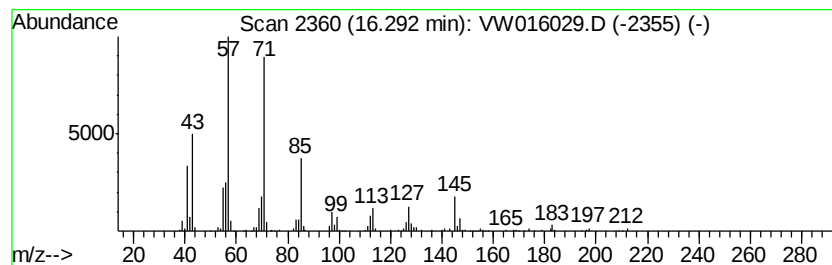
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	7.98 ug/L	181200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080320\
 Data File : VW016029.D
 Acq On : 03 Aug 2020 12:43
 Operator : SY/VA
 Sample : L3533-01
 Misc : 3.22G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CB7H4

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	5.94	1.3	ug/L	48205	1	8.85	944354	25.0
(DEL) Alkane: Str...	9.76	1.3	ug/L	49163	1	8.85	944354	25.0
(DEL) Alkane: Str...	9.90	1.4	ug/L	53793	1	8.85	944354	25.0
(DEL) Alkane: Cyc...	10.50	1.4	ug/L	55886	2	11.63	968525	25.0
(DEL) Alkane: Cyc...	10.67	1.5	ug/L	56281	2	11.63	968525	25.0
(DEL) Alkane: Cyc...	10.77	1.5	ug/L	56624	2	11.63	968525	25.0
unknown-01	11.07	1.4	ug/L	55606	2	11.63	968525	25.0
(DEL) Alkane: Cyc...	11.18	2.4	ug/L	91285	2	11.63	968525	25.0
(DEL) Alkane: Cyc...	11.23	2.5	ug/L	95721	2	11.63	968525	25.0
(DEL) Alkane: Cyc...	11.44	2.5	ug/L	95452	2	11.63	968525	25.0
(DEL) Alkane: Str...	12.14	4.5	ug/L	172237	2	11.63	968525	25.0
(DEL) Alkane: Str...	12.26	1.9	ug/L	72071	2	11.63	968525	25.0
Bicyclo[3.3.1]nonane	12.34	6.0	ug/L	234080	2	11.63	968525	25.0
(DEL) Alkane: Str...	12.79	8.7	ug/L	198046	3	13.56	567473	25.0
Glycine, furan-2-...	12.87	4.1	ug/L	92575	3	13.56	567473	25.0
(DEL) Alkane: Str...	12.94	11.6	ug/L	262278	3	13.56	567473	25.0
Cycloheptanemethanol	12.99	1.7	ug/L	38442	3	13.56	567473	25.0
Bicyclo[2.2.1]hept...	13.05	3.4	ug/L	77020	3	13.56	567473	25.0
(DEL) Alkane: Str...	13.17	5.8	ug/L	131052	3	13.56	567473	25.0
Benzene, 1,2,3-tr...	13.26	1.3	ug/L	29035	3	13.56	567473	25.0
(DEL) Alkane: Str...	13.30	1.9	ug/L	44013	3	13.56	567473	25.0
unknown-02	13.38	2.4	ug/L	55092	3	13.56	567473	25.0
(DEL) Alkane: Cyc...	13.45	5.6	ug/L	126105	3	13.56	567473	25.0
Benzene, 1,3-diet...	13.72	4.5	ug/L	103109	3	13.56	567473	25.0
Indane	13.76	1.4	ug/L	30853	3	13.56	567473	25.0
unknown-03	14.02	1.4	ug/L	31975	3	13.56	567473	25.0
Benzene, 4-ethyl-...	14.10	12.3	ug/L	278125	3	13.56	567473	25.0
3-Phenylbut-1-ene	14.21	13.1	ug/L	297746	3	13.56	567473	25.0
Adamantane	14.27	6.3	ug/L	142283	3	13.56	567473	25.0
1H-Indene, 2,3-di...	14.35	6.4	ug/L	145448	3	13.56	567473	25.0
unknown-04	14.39	8.6	ug/L	194961	3	13.56	567473	25.0
Benzene, 1,2,3,5-...	14.42	11.7	ug/L	264798	3	13.56	567473	25.0
o-Cymene	14.46	3.4	ug/L	76967	3	13.56	567473	25.0
Benzene, 1,3-diet...	14.51	4.7	ug/L	106313	3	13.56	567473	25.0
trans-Decalin, 2-...	14.55	8.0	ug/L	182590	3	13.56	567473	25.0
Benzene, (1-methy...	14.70	2.9	ug/L	64811	3	13.56	567473	25.0
unknown-05	14.74	5.3	ug/L	120227	3	13.56	567473	25.0
Benzene, 1-ethyl-...	14.80	22.0	ug/L	499910	3	13.56	567473	25.0
Benzene, 1-methyl...	14.85	10.7	ug/L	243442	3	13.56	567473	25.0
Benzene, pentamet...	15.07	9.0	ug/L	203974	3	13.56	567473	25.0
2,2-Dimethylinden...	15.18	16.6	ug/L	375922	3	13.56	567473	25.0
(DEL) Alkane: Str...	15.33	13.3	ug/L	301432	3	13.56	567473	25.0
unknown-06	15.41	3.0	ug/L	69335	3	13.56	567473	25.0
1H-Indene, 2,3-di...	15.66	9.9	ug/L	223969	3	13.56	567473	25.0
unknown-07	15.74	4.1	ug/L	92584	3	13.56	567473	25.0
1H-Indene, 2,3-di...	15.95	3.5	ug/L	80007	3	13.56	567473	25.0
Naphthalene, 1,2,...	16.18	5.6	ug/L	126586	3	13.56	567473	25.0
(DEL) Alkane: Str...	16.29	8.0	ug/L	181200	3	13.56	567473	25.0