

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015180.D
 Acq On : 10 Apr 2020 14:50
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J1

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\SOM2WLM041020S.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	68	74	83	rVB	214400	382667	2.35%	0.131%
2	2.885	156	161	176	rVB	133474	337777	2.07%	0.116%
3	4.019	335	347	359	rBV	386992	1257442	7.72%	0.432%
4	6.897	805	819	827	rBV2	93898	341028	2.09%	0.117%
5	7.135	853	858	874	rVB2	89635	323478	1.99%	0.111%
6	7.647	932	942	962	rBV	571120	1501234	9.22%	0.515%
7	7.952	982	992	999	rBV	227447	601665	3.69%	0.207%
8	8.031	999	1005	1018	rVB2	202143	502652	3.09%	0.173%
9	8.220	1030	1036	1038	rVV	182612	379581	2.33%	0.130%
10	8.275	1038	1045	1060	rVB2	1195755	3525550	21.64%	1.210%
11	8.433	1060	1071	1077	rBV2	506788	1229721	7.55%	0.422%
12	8.506	1077	1083	1088	rVV	439869	973079	5.97%	0.334%
13	8.573	1088	1094	1109	rVB	724528	1685156	10.34%	0.578%
14	8.842	1129	1138	1148	rBV	1685376	3347448	20.55%	1.149%
15	9.335	1199	1219	1225	rBV2	4429813	13044186	80.07%	4.478%
16	9.512	1243	1248	1254	rVV	386816	719238	4.42%	0.247%
17	9.610	1254	1264	1278	rVB2	1006536	2477681	15.21%	0.851%
18	9.750	1278	1287	1299	rBV2	1387145	2835465	17.41%	0.973%
19	9.896	1304	1311	1315	rBV	543775	1001230	6.15%	0.344%
20	9.945	1315	1319	1328	rVB2	254836	491619	3.02%	0.169%
21	10.037	1328	1334	1336	rBV	411159	689270	4.23%	0.237%
22	10.079	1336	1341	1345	rVV	642974	1122087	6.89%	0.385%
23	10.122	1345	1348	1357	rVB	475927	901201	5.53%	0.309%
24	10.238	1357	1367	1373	rBV4	297935	879213	5.40%	0.302%
25	10.317	1373	1380	1385	rBV2	6337249	12699758	77.96%	4.359%
26	10.354	1385	1386	1396	rVB2	2234858	3044145	18.69%	1.045%
27	10.445	1396	1401	1403	rBV	377752	579062	3.55%	0.199%
28	10.494	1403	1409	1418	rVB2	2037924	5179686	31.80%	1.778%
29	10.579	1418	1423	1426	rBV2	378852	744485	4.57%	0.256%
30	10.665	1431	1437	1446	rVB	4092588	7678710	47.14%	2.636%
31	10.762	1446	1453	1458	rBV	1824716	3795505	23.30%	1.303%
32	10.847	1463	1467	1471	rVB	515411	844062	5.18%	0.290%
33	10.933	1471	1481	1487	rBV3	1087492	2354050	14.45%	0.808%
34	11.036	1492	1498	1505	rBV	529427	1197433	7.35%	0.411%

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 Title : VOC Analysis

35	11.110	1505	1510	1512	rBV2	703924	1058677	6.50%	0.363%
36	11.177	1512	1521	1525	rBV2	3157662	5872624	36.05%	2.016%
37	11.231	1525	1530	1535	rVB	3861238	6691287	41.08%	2.297%
38	11.280	1535	1538	1542	rBV	749210	1027248	6.31%	0.353%
39	11.335	1542	1547	1551	rVB2	1228502	1934947	11.88%	0.664%
40	11.378	1551	1554	1558	rVB2	319352	427918	2.63%	0.147%
41	11.433	1558	1563	1571	rVB	2510631	4501557	27.63%	1.545%
42	11.506	1571	1575	1579	rBV2	431701	698336	4.29%	0.240%
43	11.628	1589	1595	1604	rBV	2067585	3843428	23.59%	1.319%
44	11.719	1604	1610	1614	rBV2	1497665	2656019	16.30%	0.912%
45	11.762	1614	1617	1621	rVB	1171404	1470158	9.02%	0.505%
46	11.829	1621	1628	1631	rBV3	2152088	4486590	27.54%	1.540%
47	11.872	1631	1635	1639	rBV2	3096027	4810805	29.53%	1.651%
48	11.914	1639	1642	1647	rVB2	2658486	4397940	27.00%	1.510%
49	11.969	1647	1651	1657	rBV4	402293	891418	5.47%	0.306%
50	12.036	1657	1662	1670	rVB3	1679307	3537914	21.72%	1.214%
51	12.140	1670	1679	1685	rBV4	4892949	13775378	84.56%	4.729%
52	12.195	1686	1688	1691	rVB	636355	589645	3.62%	0.202%
53	12.298	1701	1705	1708	rBV	2810759	5071337	31.13%	1.741%
54	12.341	1708	1712	1716	rVV2	5303027	10332598	63.43%	3.547%
55	12.384	1716	1719	1722	rVV	3064848	4614216	28.33%	1.584%
56	12.414	1722	1724	1729	rVB3	659896	1271174	7.80%	0.436%
57	12.615	1752	1757	1761	rVB4	985238	1769203	10.86%	0.607%
58	12.695	1763	1770	1776	rBV3	2891706	6559412	40.27%	2.252%
59	12.780	1776	1784	1791	rVB5	4514190	11111142	68.21%	3.814%
60	12.859	1791	1797	1801	rBV4	2218036	4844804	29.74%	1.663%
61	12.938	1803	1810	1816	rVV3	6547275	16290069	100.00%	5.592%
62	12.993	1816	1819	1823	rVB3	1274657	1810413	11.11%	0.621%
63	13.042	1824	1827	1829	rBV3	349244	425996	2.62%	0.146%
64	13.079	1829	1833	1837	rVB3	1002654	1316248	8.08%	0.452%
65	13.121	1837	1840	1843	rBV2	462828	578312	3.55%	0.199%
66	13.170	1843	1848	1856	rVB6	2658700	6232898	38.26%	2.140%
67	13.249	1856	1861	1866	rBV	4950599	7810491	47.95%	2.681%
68	13.384	1878	1883	1888	rBV6	1539288	3806920	23.37%	1.307%
69	13.445	1889	1893	1897	rVV3	2354878	3997486	24.54%	1.372%
70	13.487	1897	1900	1907	rVB3	1049698	1779016	10.92%	0.611%
71	13.554	1907	1911	1913	rBV	1263308	1836903	11.28%	0.631%

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72	13.585	1913	1916	1921	rVB2	2153092	3090543	18.97%	1.061%
73	13.719	1934	1938	1940	rBV	886426	1262475	7.75%	0.433%
74	13.749	1940	1943	1946	rVV2	1463767	2161560	13.27%	0.742%
75	13.786	1946	1949	1953	rVV2	2403854	3491941	21.44%	1.199%
76	13.877	1957	1964	1969	rVB3	4103670	7187051	44.12%	2.467%
77	13.944	1972	1975	1979	rBV	722088	919594	5.65%	0.316%
78	14.011	1982	1986	1988	rBV	1197153	1757798	10.79%	0.603%
79	14.036	1988	1990	1995	rVB	1502754	2080432	12.77%	0.714%
80	14.097	1995	2000	2005	rVB	2782321	4304042	26.42%	1.477%
81	14.200	2012	2017	2022	rVB2	3127417	5156016	31.65%	1.770%
82	14.255	2022	2026	2033	rVB4	1003522	2277767	13.98%	0.782%
83	14.335	2033	2039	2043	rBV4	1206638	2239345	13.75%	0.769%
84	14.383	2043	2047	2050	rBV2	1131394	1884773	11.57%	0.647%
85	14.420	2050	2053	2056	rVV	1735133	2462025	15.11%	0.845%
86	14.457	2056	2059	2063	rVB	1607160	2038095	12.51%	0.700%
87	14.499	2063	2066	2069	rBV	956843	1242011	7.62%	0.426%
88	14.542	2069	2073	2081	rVB4	1081828	2159922	13.26%	0.741%
89	14.639	2085	2089	2093	rVB2	802801	1260954	7.74%	0.433%
90	14.700	2093	2099	2101	rBV4	396166	827981	5.08%	0.284%
91	14.731	2101	2104	2108	rVB	630837	880216	5.40%	0.302%
92	14.792	2108	2114	2121	rBV3	1715912	3778921	23.20%	1.297%
93	14.853	2121	2124	2129	rVV	459834	794917	4.88%	0.273%
94	14.902	2129	2132	2139	rVB3	267921	513625	3.15%	0.176%
95	15.005	2145	2149	2154	rBV4	133389	298509	1.83%	0.102%
96	15.066	2154	2159	2167	rBV3	456496	986171	6.05%	0.339%
97	15.170	2172	2176	2183	rVB5	398269	851916	5.23%	0.292%
98	15.261	2187	2191	2196	rVB4	175985	319784	1.96%	0.110%
99	16.438	2378	2384	2401	rVB2	174688	477831	2.93%	0.164%
100	16.596	2401	2410	2416	rBV	816862	1810237	11.11%	0.621%

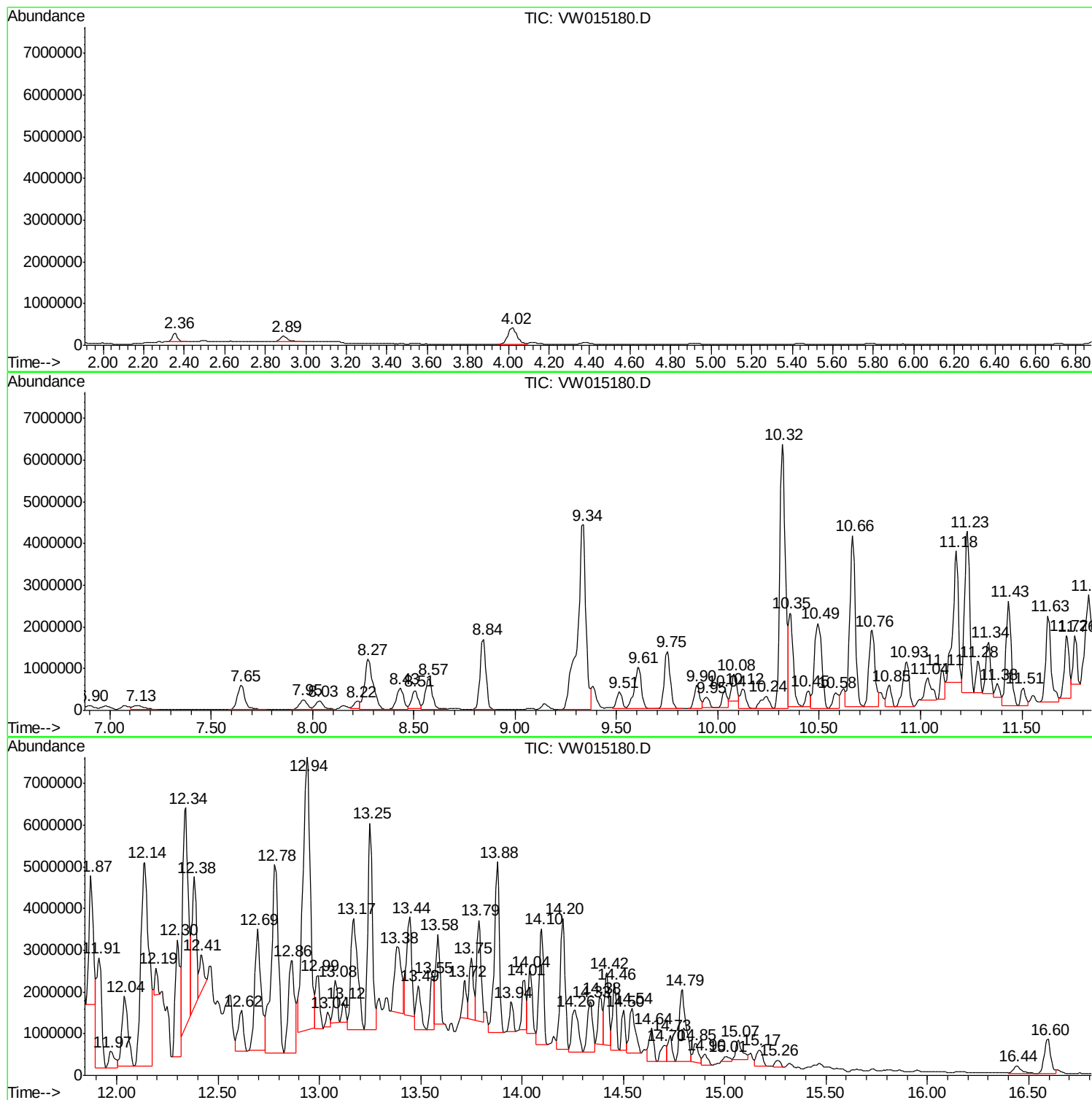
Sum of corrected areas: 291313543

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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



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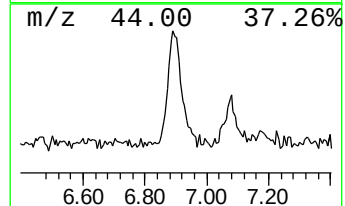
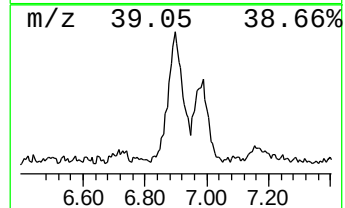
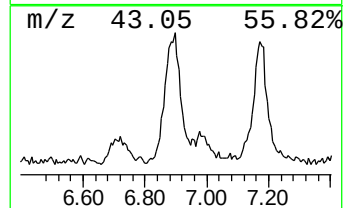
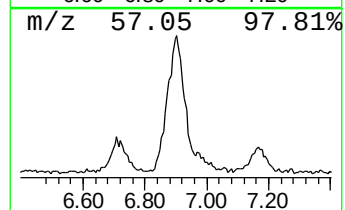
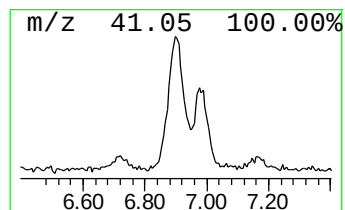
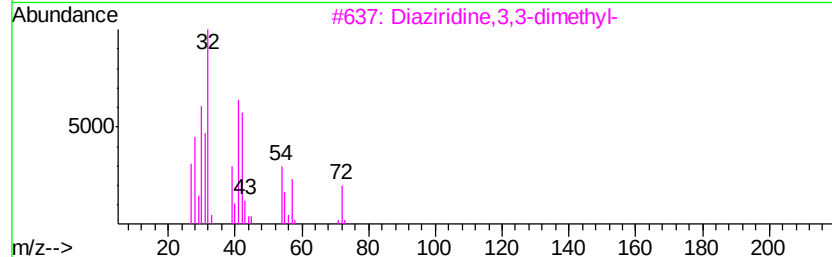
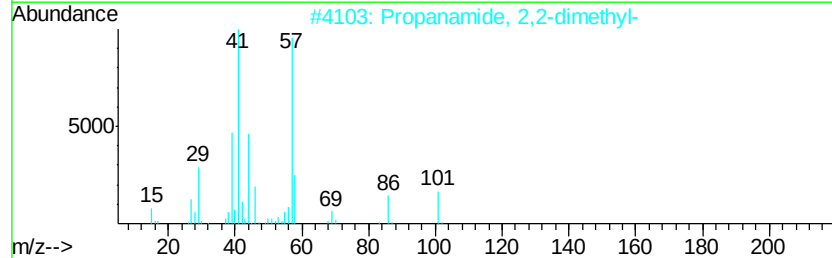
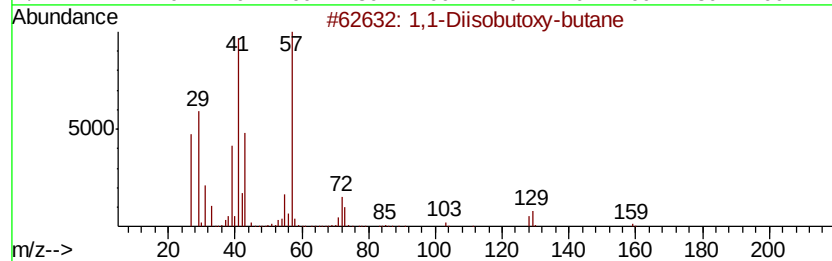
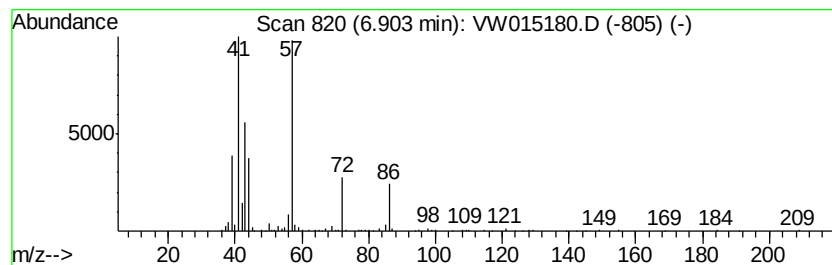
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 1 1,1-Diisobutoxy-butane Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	2.55 ug/L	341028	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1-Diisobutoxy-butane	202	C12H26O2	013002-16-9	50
2		Propanamide, 2,2-dimethyl-	101	C5H11NO	000754-10-9	45
3		Diaziridine, 3,3-dimethyl-	72	C3H8N2	004901-76-2	43
4		1-Butoxy-1-isobutoxy-butane	202	C12H26O2	020266-12-0	42
5		Pentane	72	C5H12	000109-66-0	38



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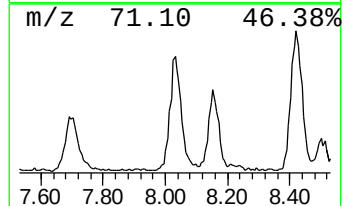
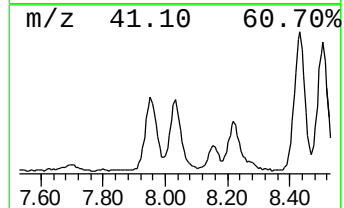
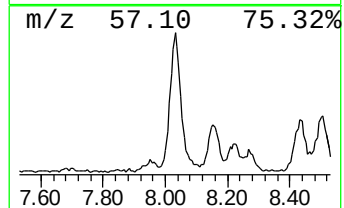
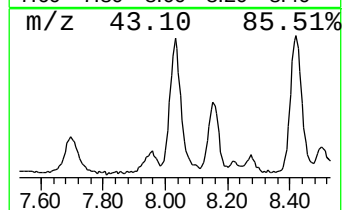
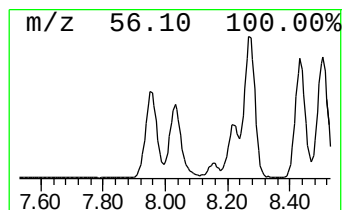
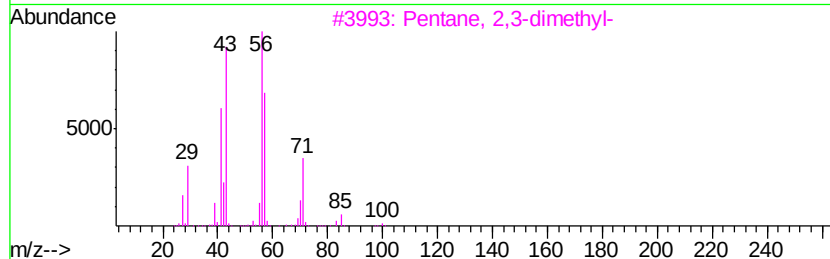
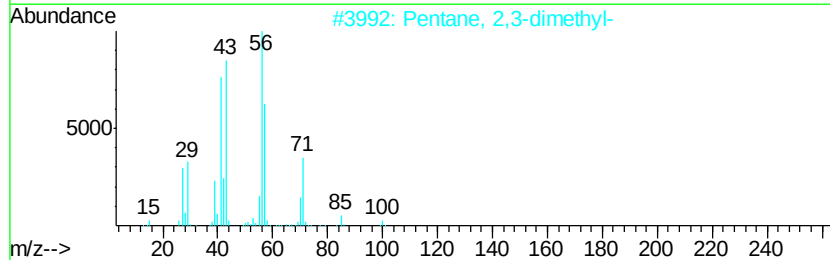
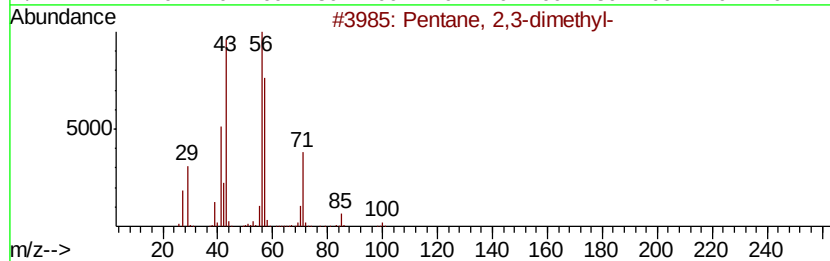
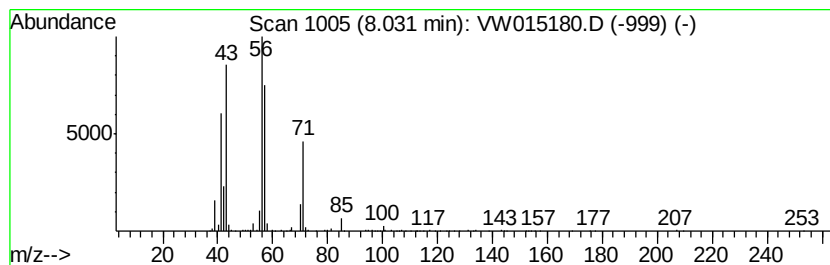
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	3.75 ug/L	502652	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5		Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64



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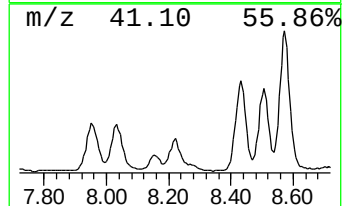
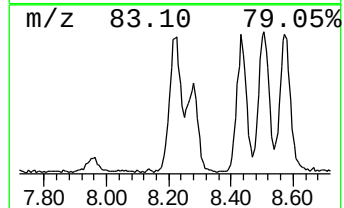
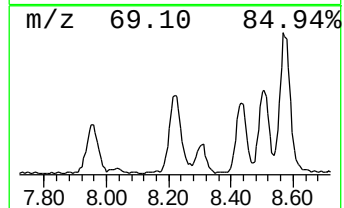
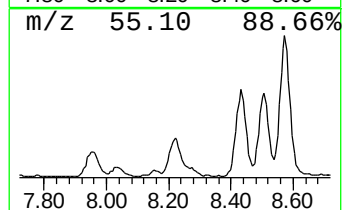
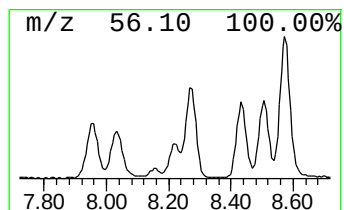
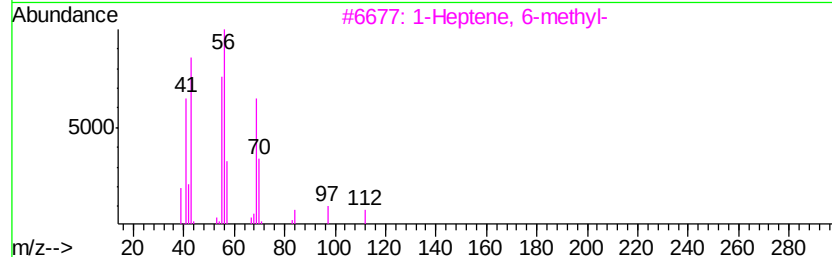
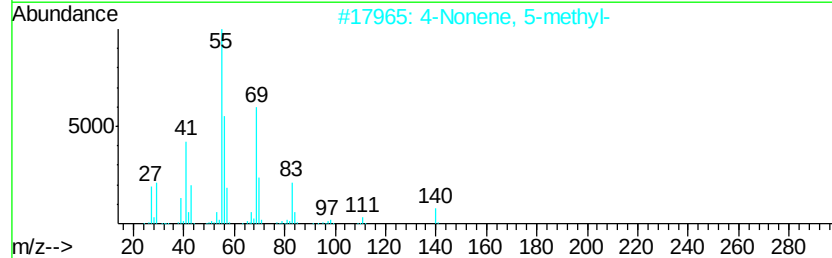
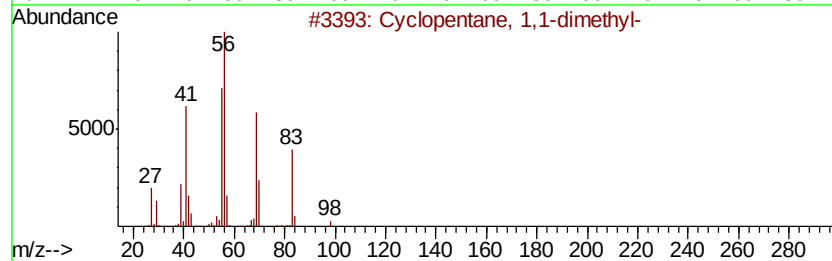
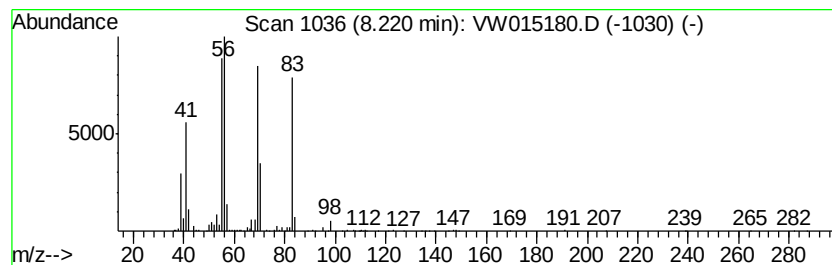
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic8.22 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	2.83 ug/L	379581	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	91
2		4-Nonene, 5-methyl-	140	C10H20	015918-07-7	50
3		1-Heptene, 6-methyl-	112	C8H16	005026-76-6	50
4		Hexyl trifluoroacetate	198	C8H13F3O2	000400-61-3	47
5		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

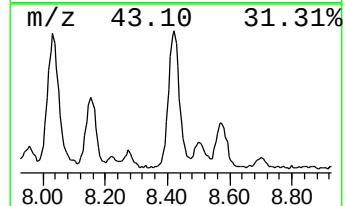
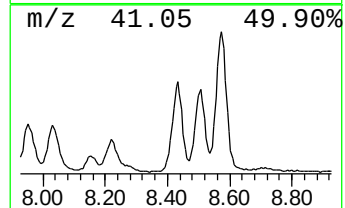
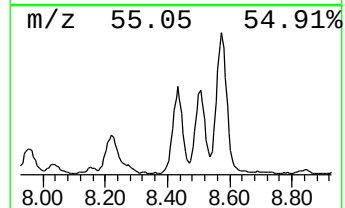
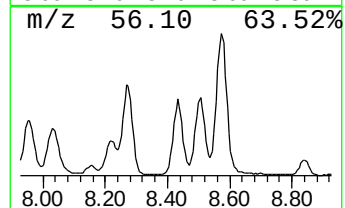
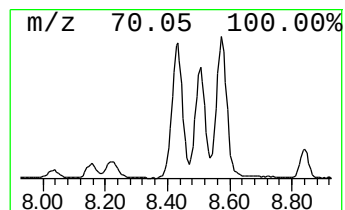
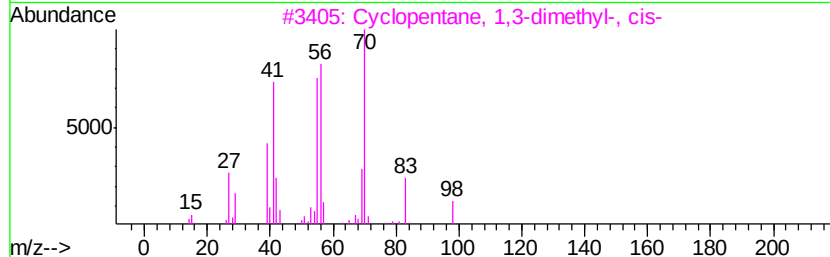
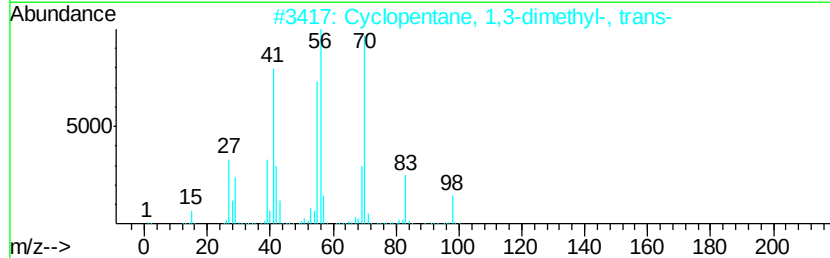
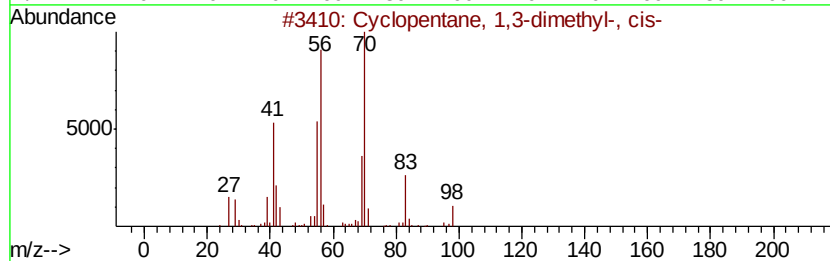
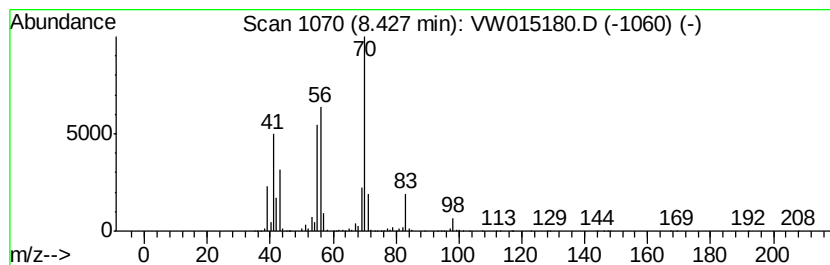
Instrument :
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ClientSampleId :
BG2J1

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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic8.43 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	9.18 ug/L	1229720	1,4-Difluorobenzene	8.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1,3-dimethyl-, cis-	98 C7H14	002532-58-3 90
2		Cyclopentane, 1,3-dimethyl-, trans-	98 C7H14	001759-58-6 70
3		Cyclopentane, 1,3-dimethyl-, cis-	98 C7H14	002532-58-3 70
4		Cyclopentane, 1,3-dimethyl-, cis-	98 C7H14	002532-58-3 70
5		Cyclopentane, 1,3-dimethyl-	98 C7H14	002453-00-1 70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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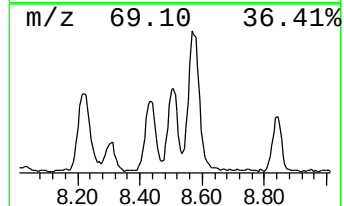
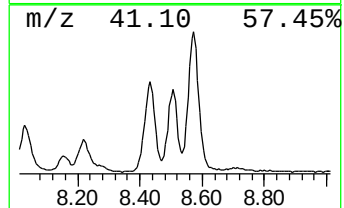
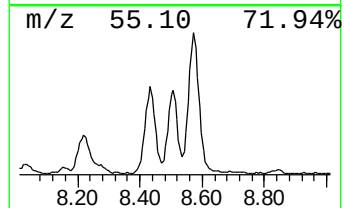
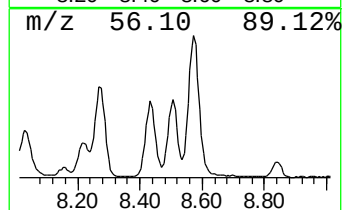
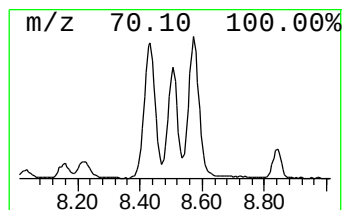
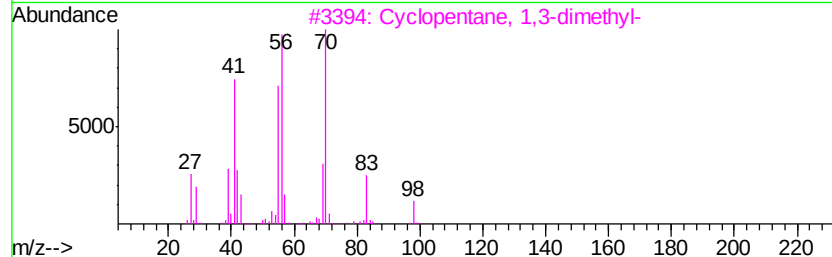
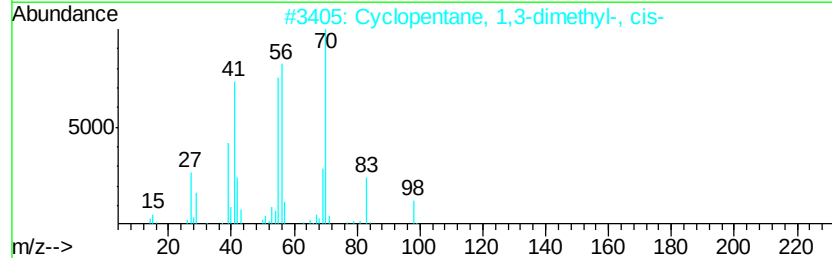
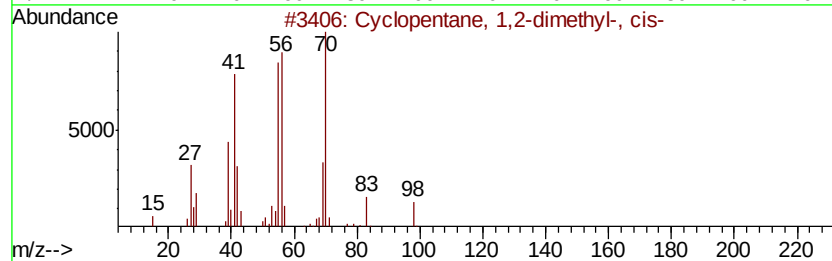
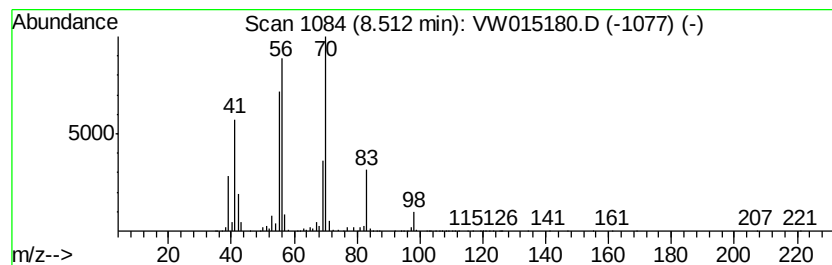
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.51 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	7.27 ug/L	973079	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
2		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3		Cyclopentane, 1,3-dimethyl-,	98	C7H14	002453-00-1	90
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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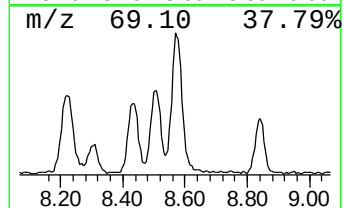
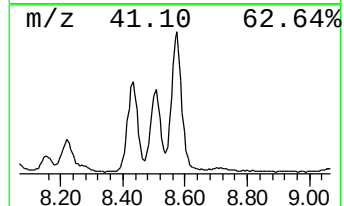
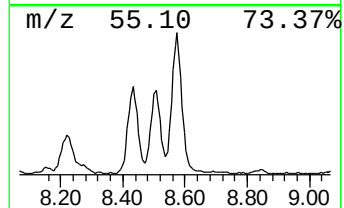
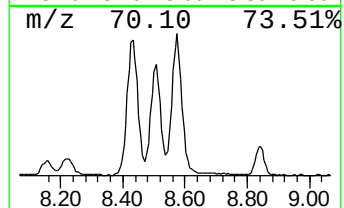
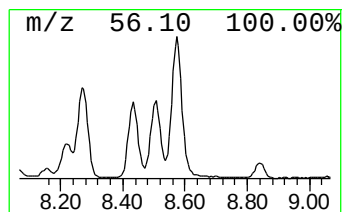
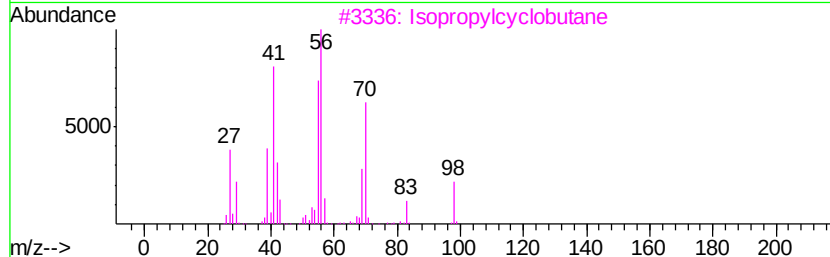
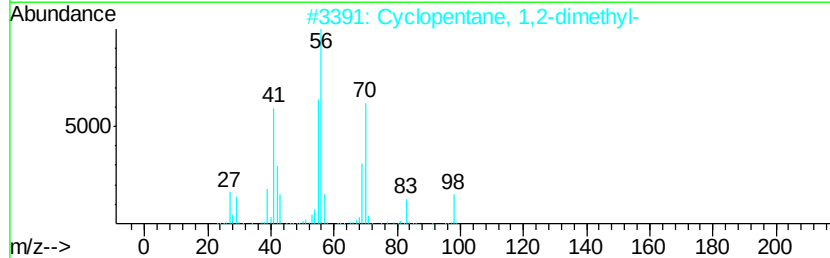
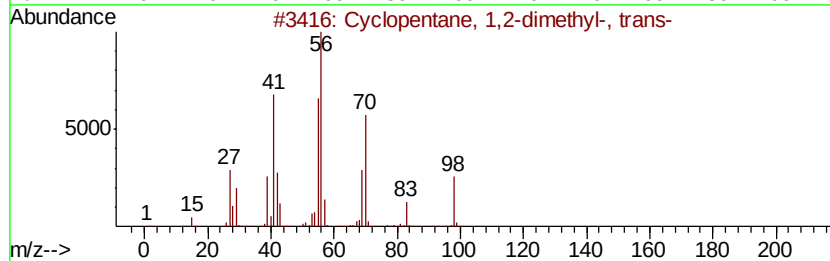
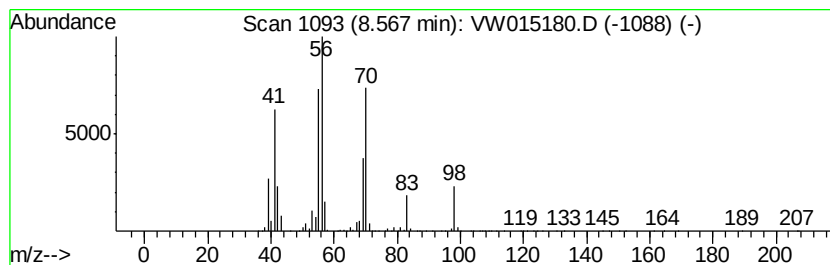
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic8.57 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	12.59 ug/L	1685160	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	94
3		Isopropylcyclobutane	98	C7H14	000872-56-0	94
4		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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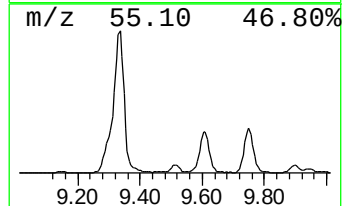
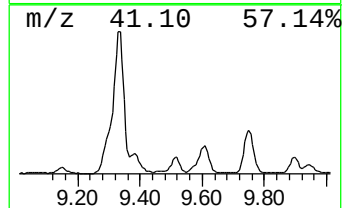
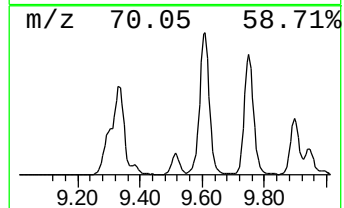
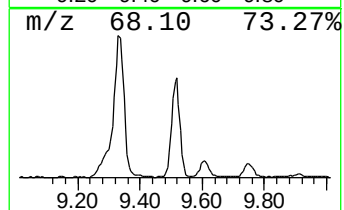
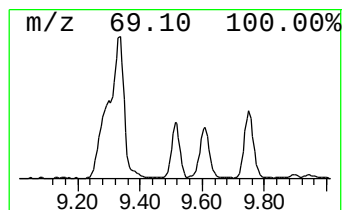
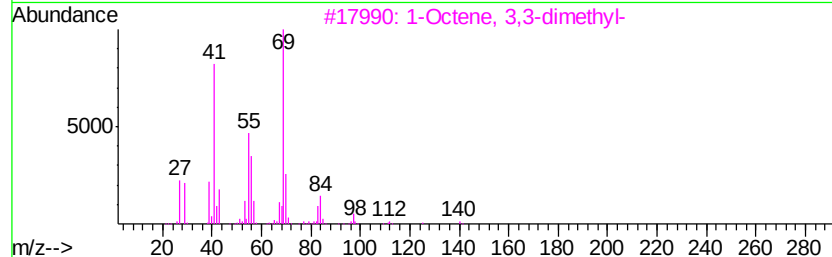
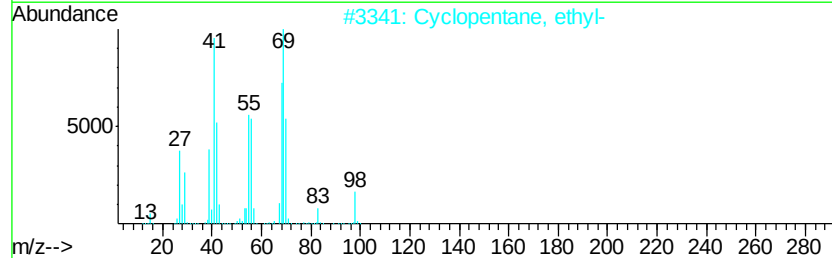
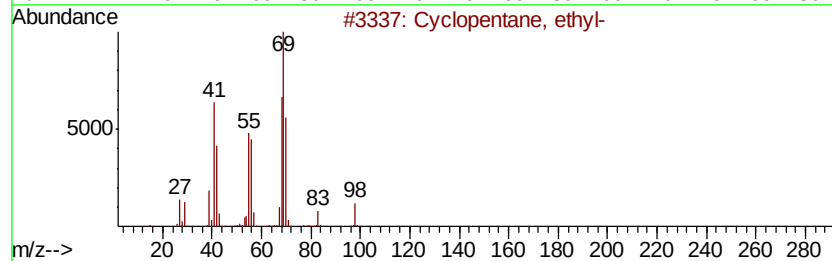
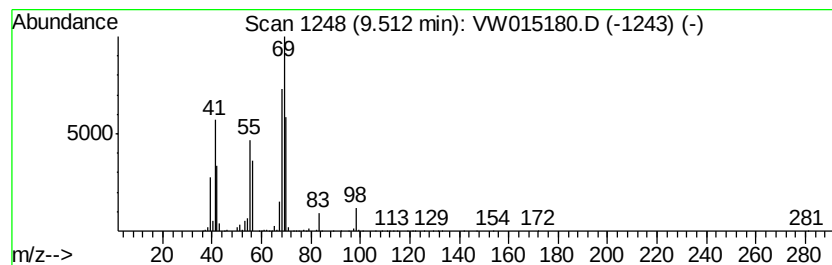
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic9.51 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	5.37 ug/L	719238	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2		Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
3		1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	47
4		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	46
5		Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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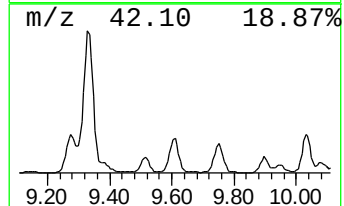
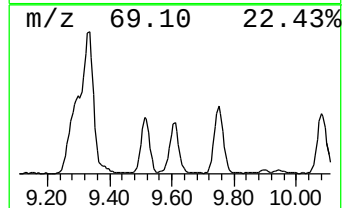
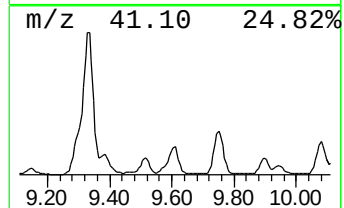
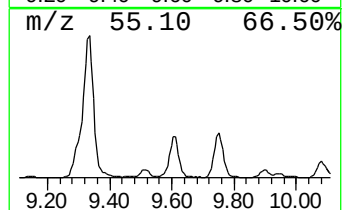
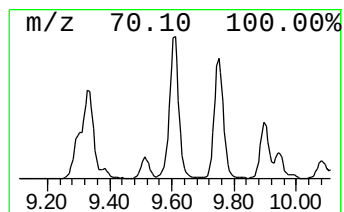
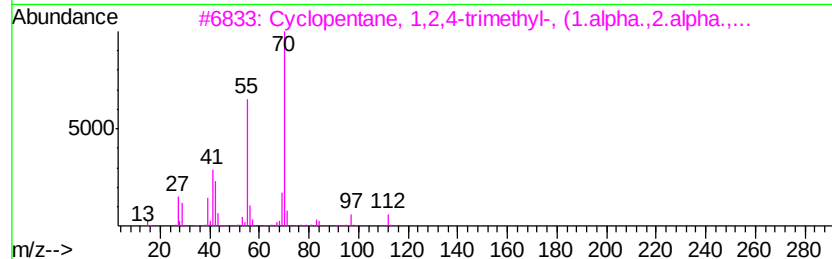
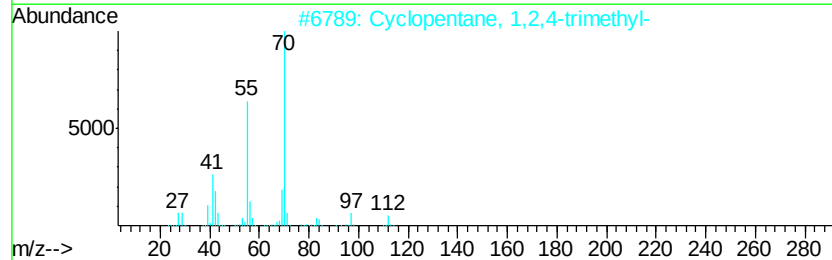
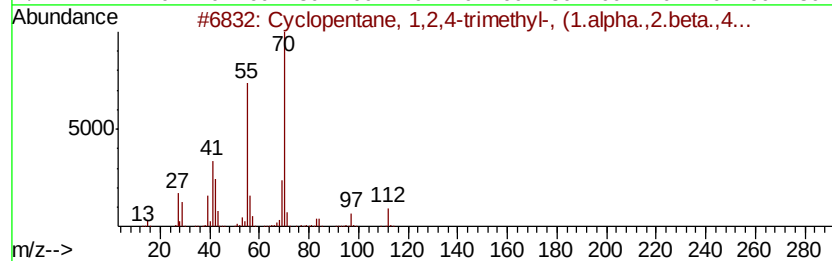
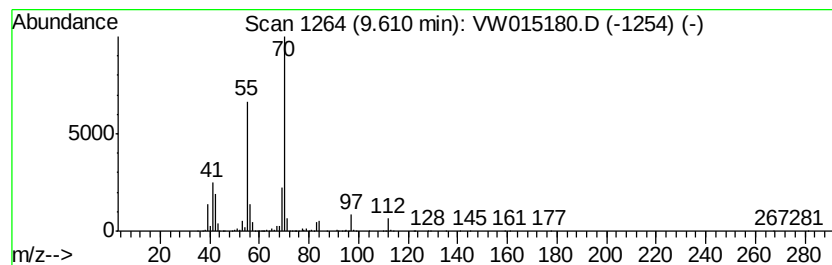
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic9.61 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	18.50 ug/L	2477680	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	95
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
5		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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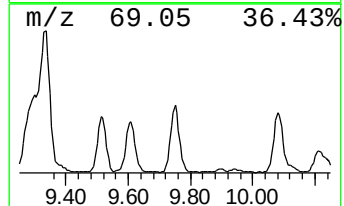
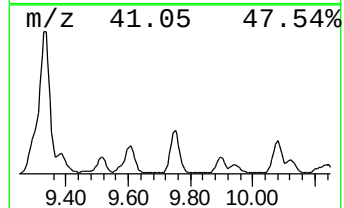
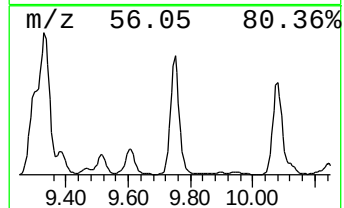
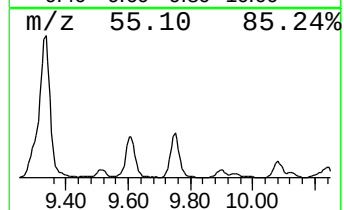
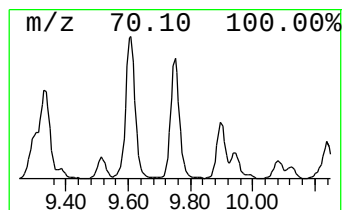
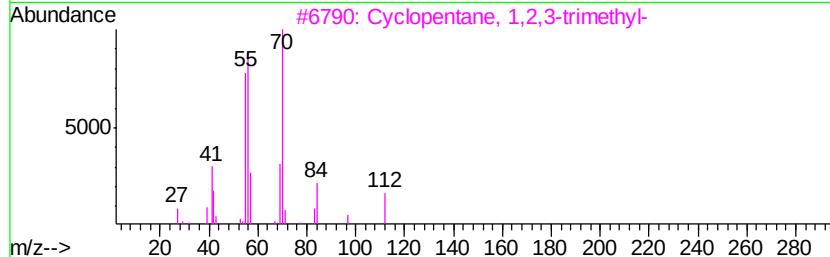
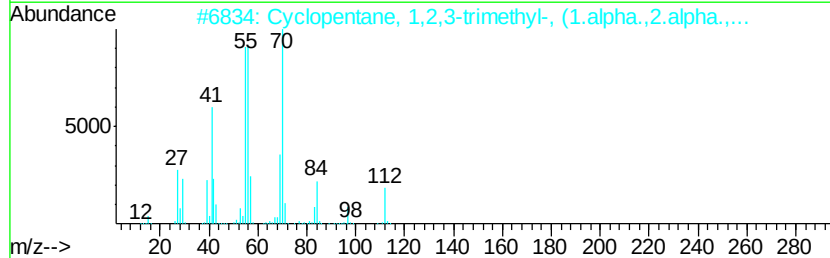
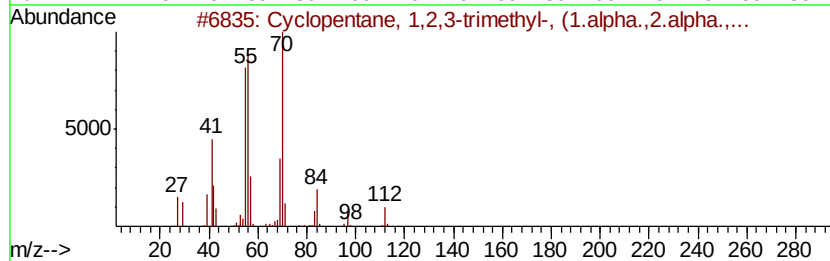
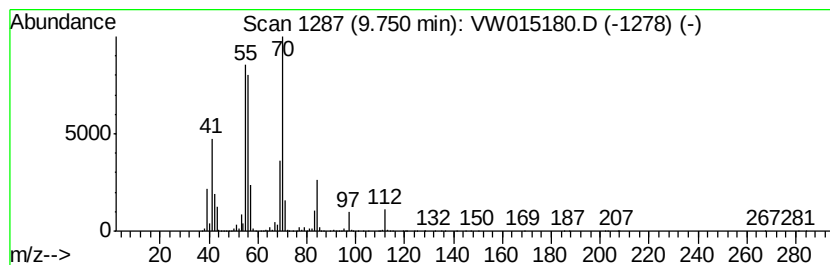
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic9.75 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	21.18 ug/L	2835470	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	72
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
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Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

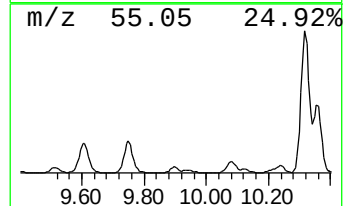
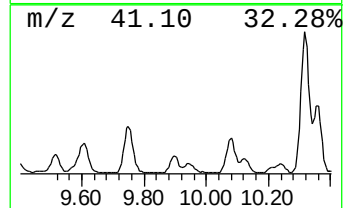
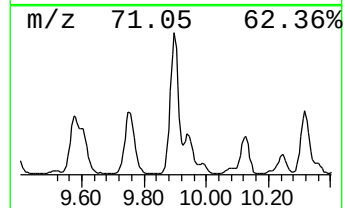
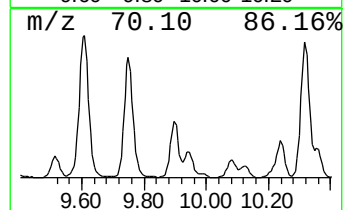
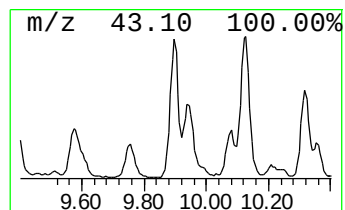
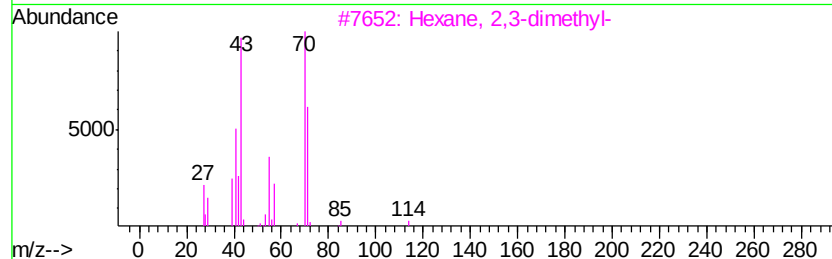
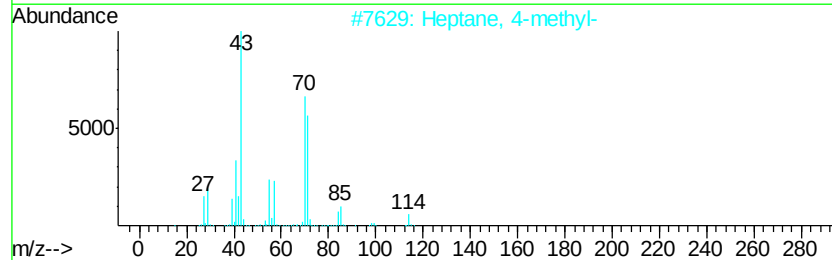
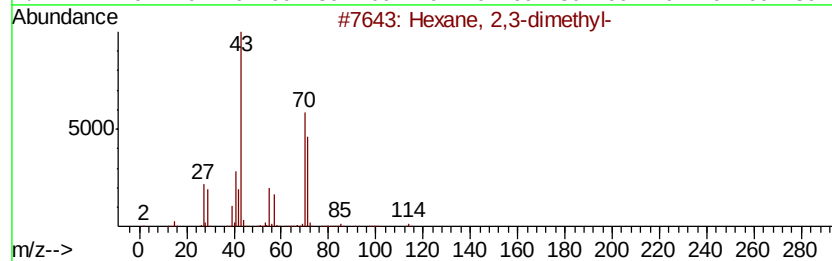
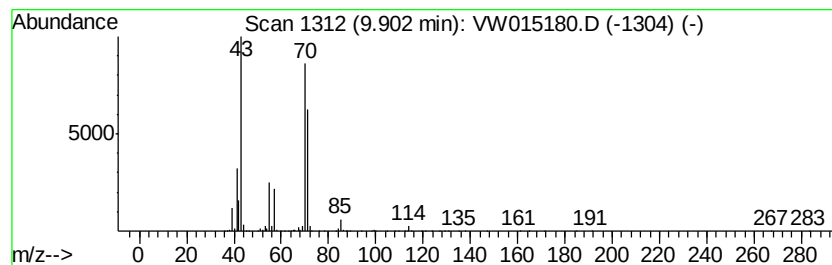
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	7.48 ug/L	1001230	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	90
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	74
3			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	74
4			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
5			Pyrrolidine	71	C4H9N	000123-75-1	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

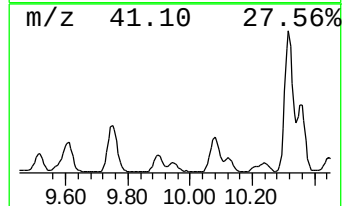
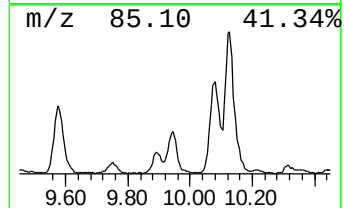
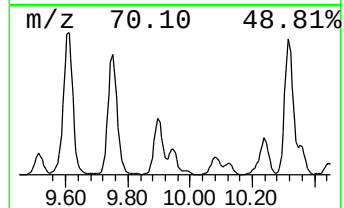
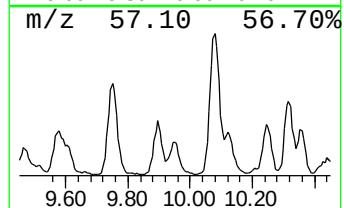
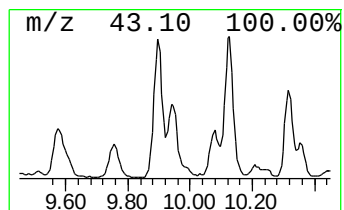
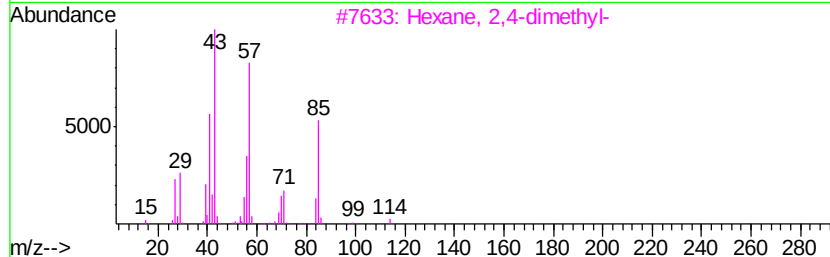
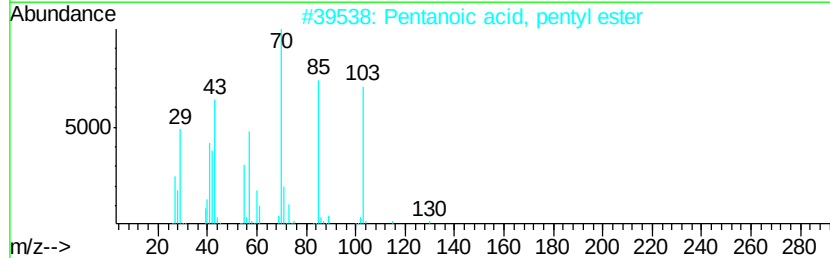
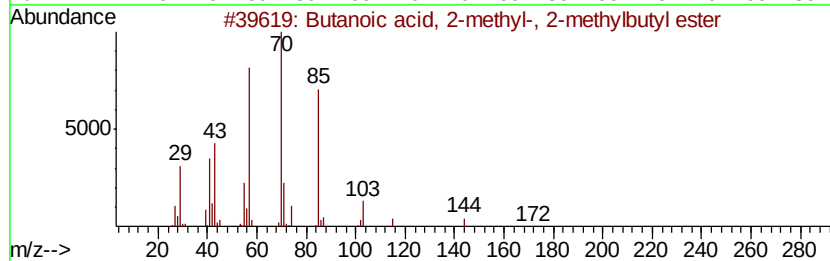
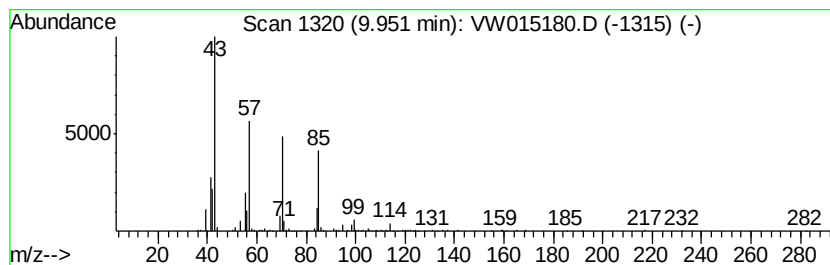
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ClientSampleId :
BG2J1

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Quant Title : VOC Analysis

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

Peak Number 11 Butanoic acid, 2-methyl-, 2... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.95	3.67 ug/L	491619	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, 2-meth...	172	C10H20O2	002445-78-5	53
2	Pentanoic acid, pentyl ester	172	C10H20O2	002173-56-0	53
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

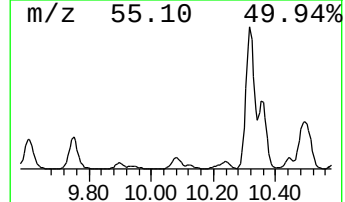
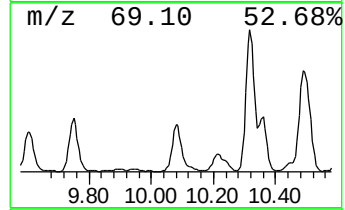
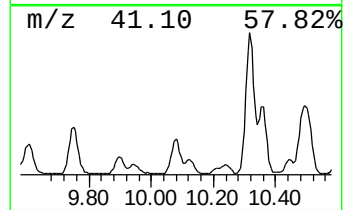
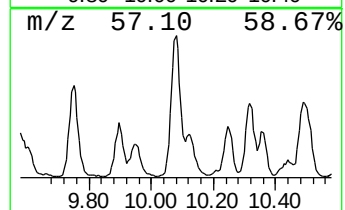
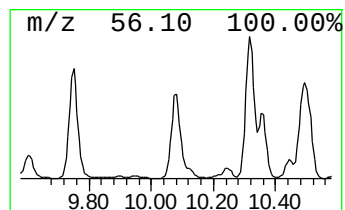
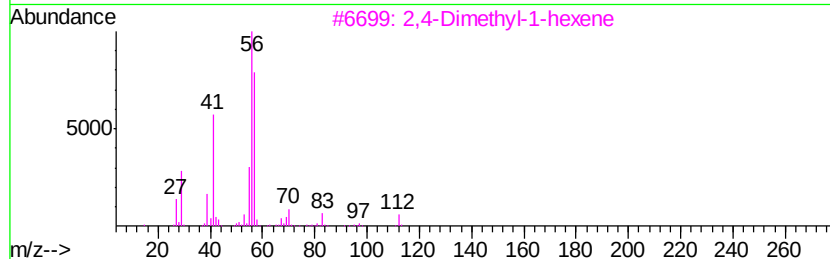
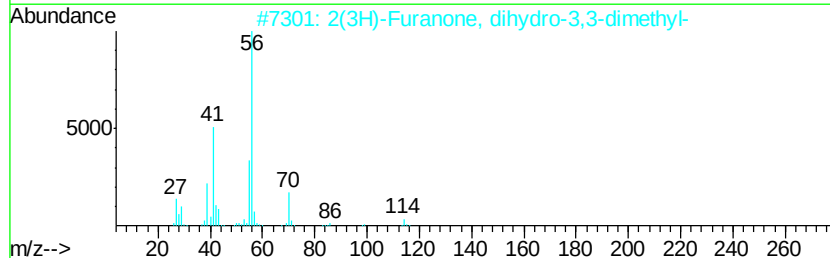
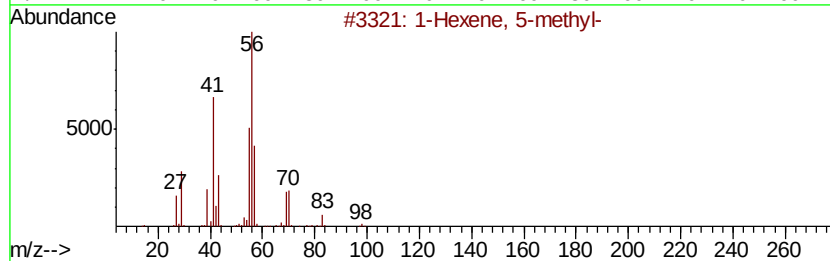
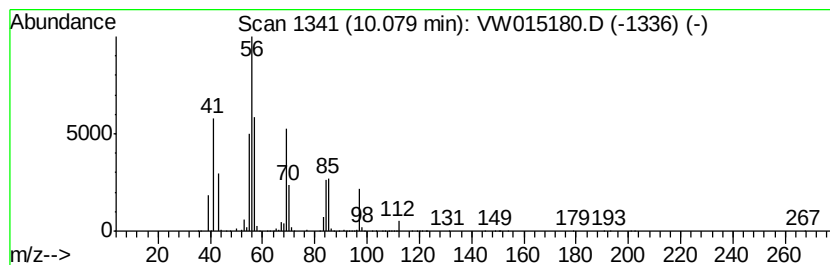
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	8.38 ug/L	1122090	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	50
2		2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	47
3		2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	46
4		Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	43
5		1-Decene, 9-methyl-	154	C11H22	061142-78-7	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015180.D
 Acq On : 10 Apr 2020 14:50
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
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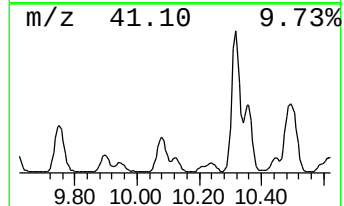
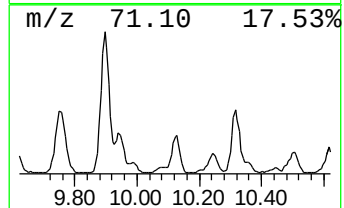
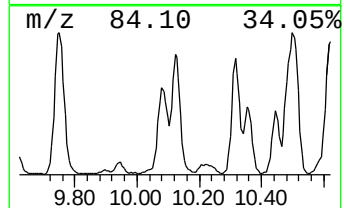
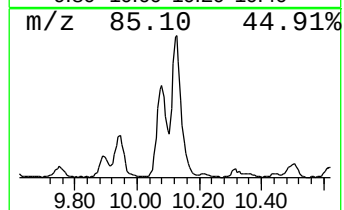
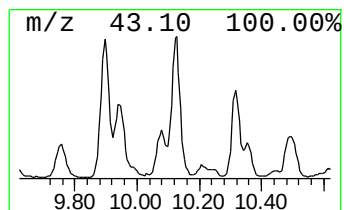
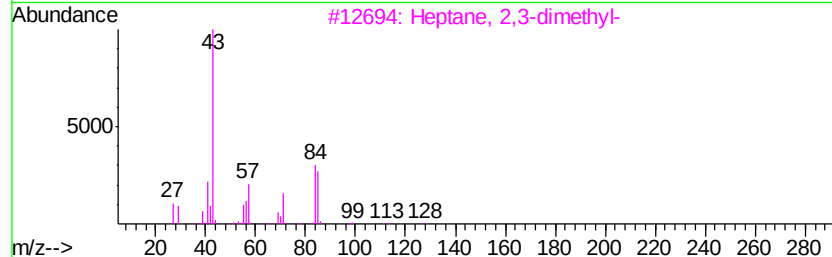
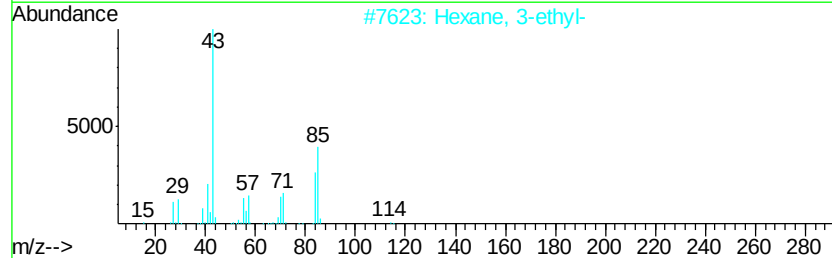
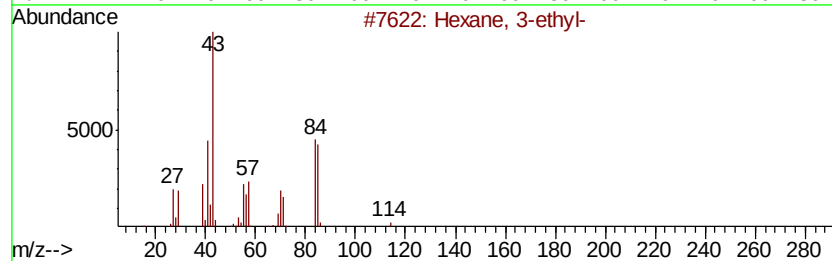
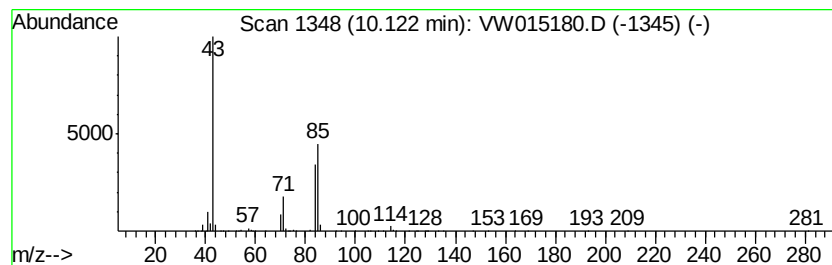
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 Quant Title : VOC Analysis

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

 Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	6.73 ug/L	901201	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
2		Hexane, 3-ethyl-	114	C8H18	000619-99-8	56
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	56
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

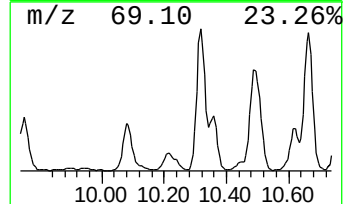
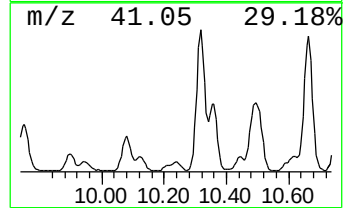
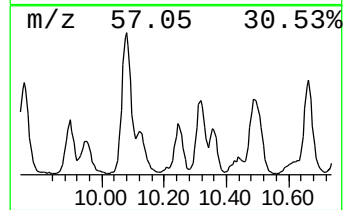
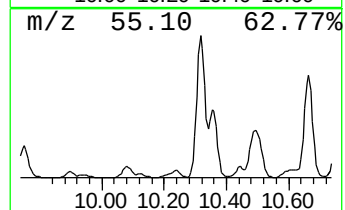
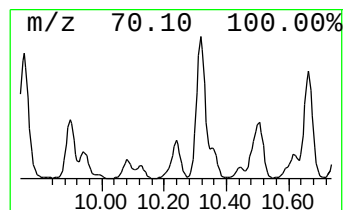
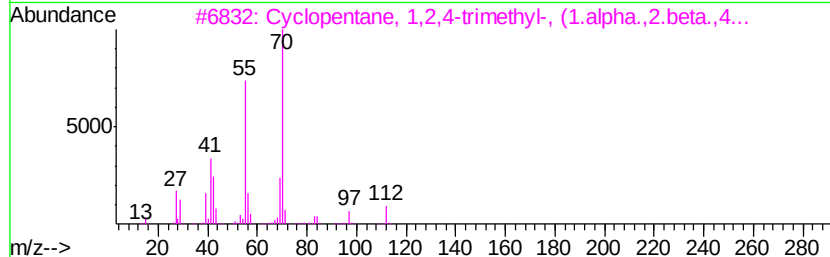
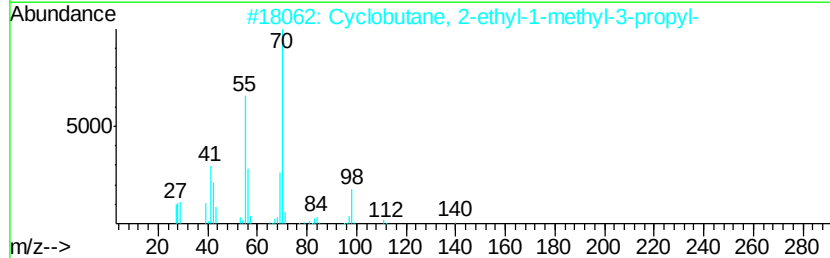
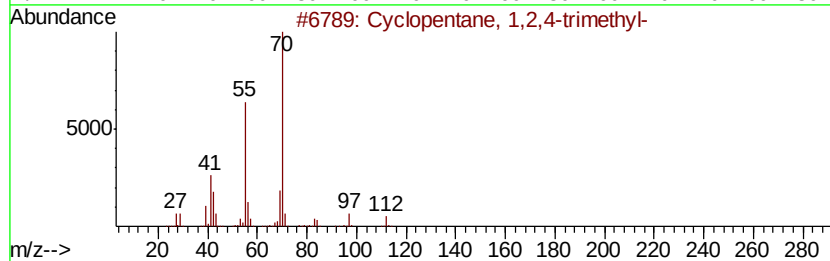
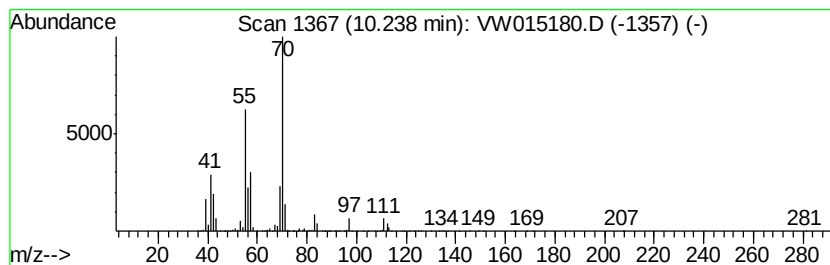
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.24 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.24	5.72 ug/L	879213	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
2	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	78
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	72
4	Nonane, 3-methylene-	140	C10H20	051655-64-2	64
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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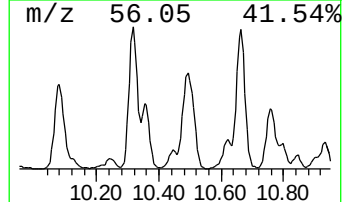
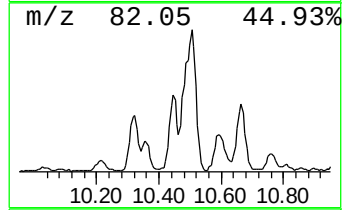
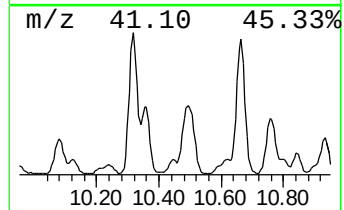
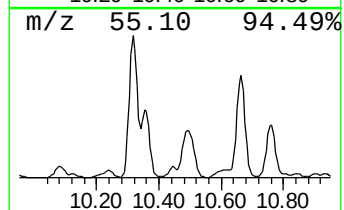
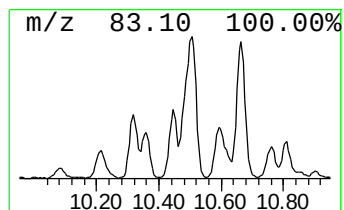
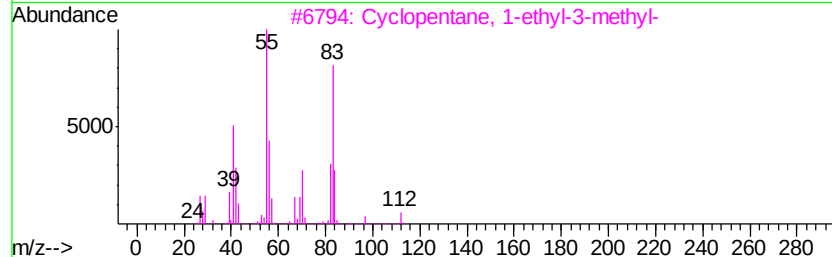
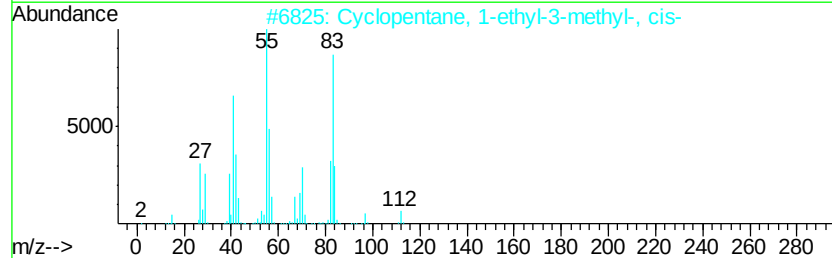
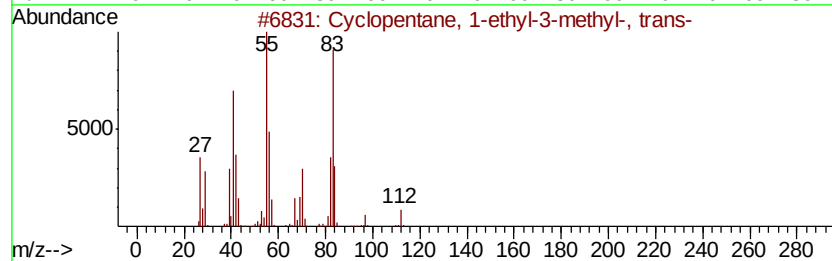
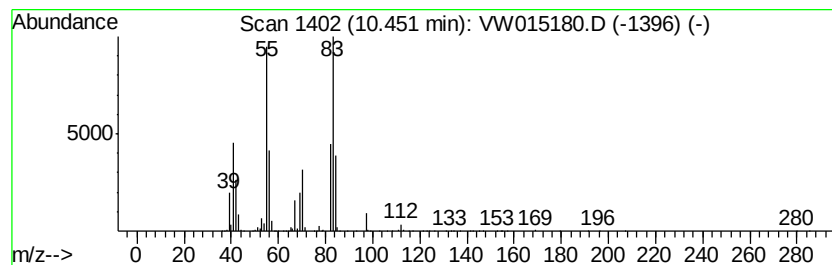
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.45 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	3.77 ug/L	579062	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	94
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	94
3		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	72
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

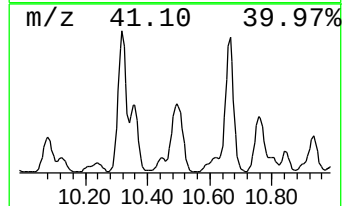
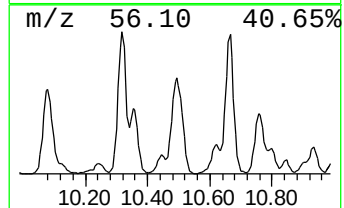
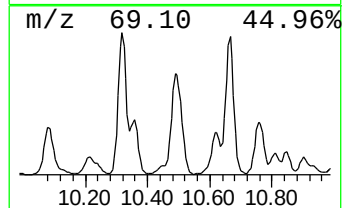
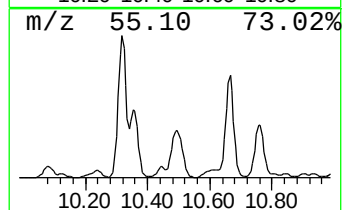
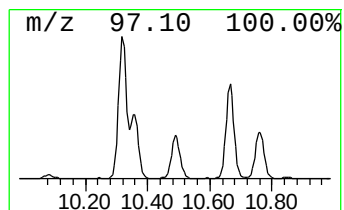
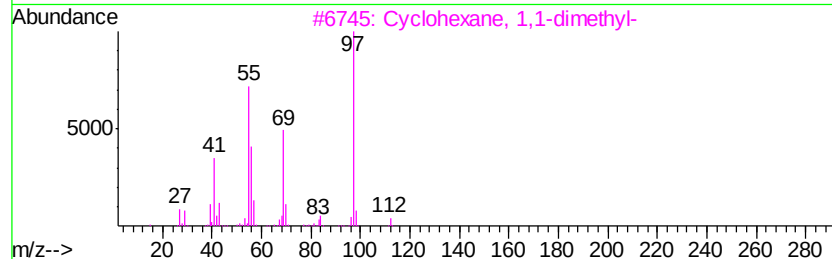
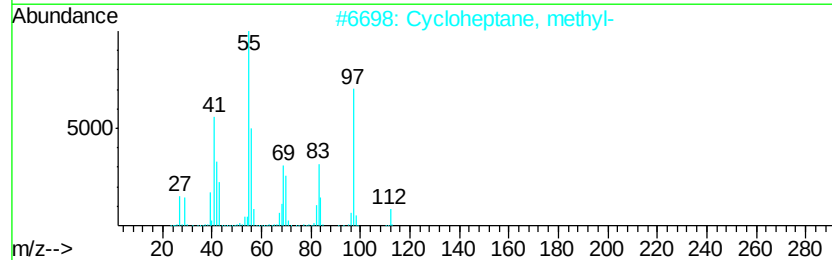
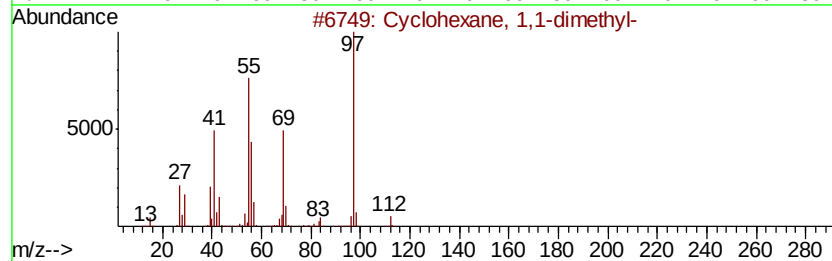
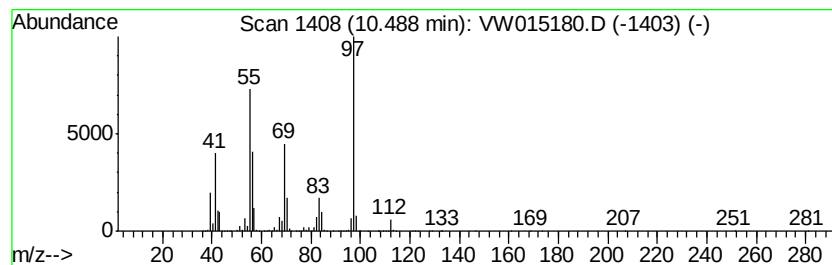
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic10.49 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	33.69 ug/L	5179690	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	74
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

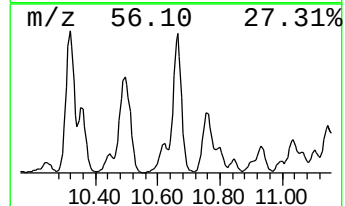
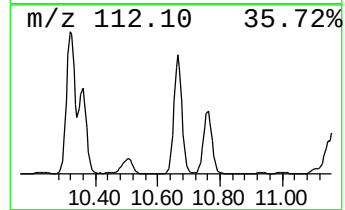
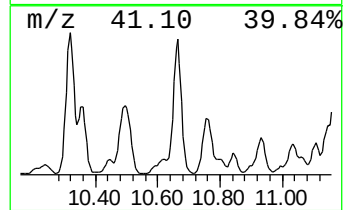
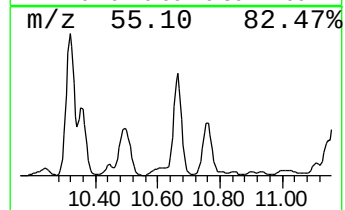
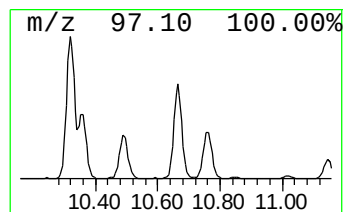
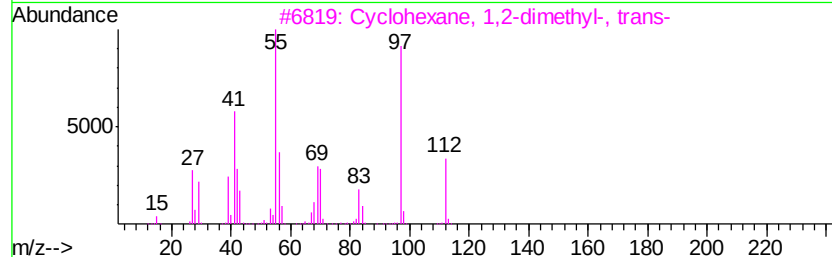
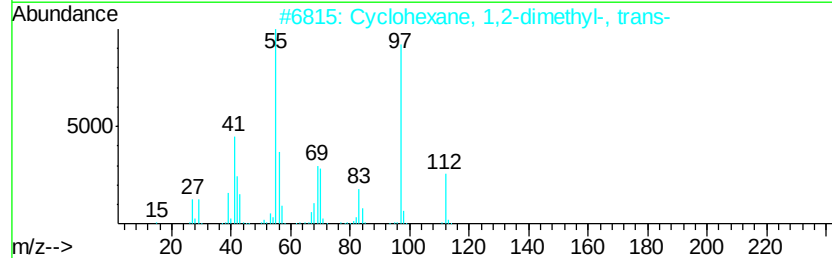
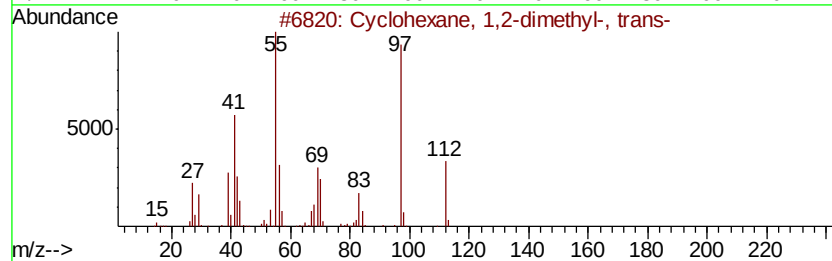
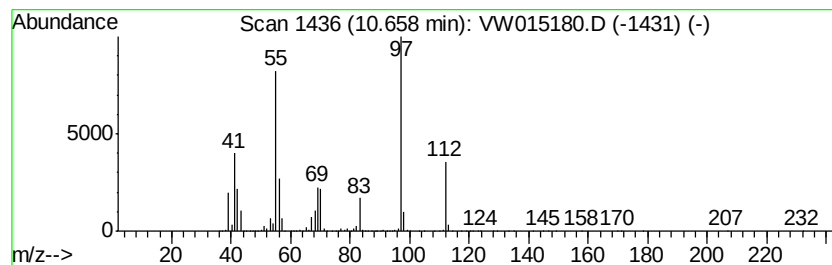
Instrument :
MSVOA_W
ClientSampled :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic10.66 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.66	49.95 ug/L	7678710	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

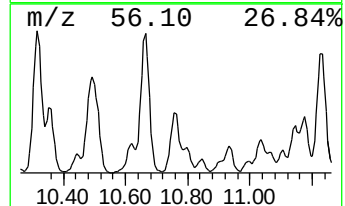
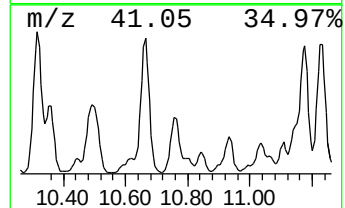
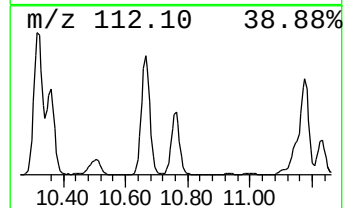
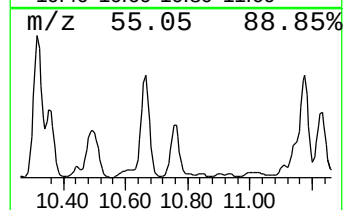
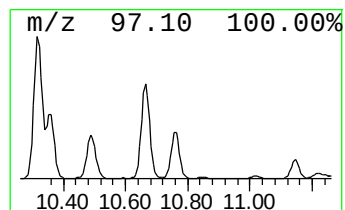
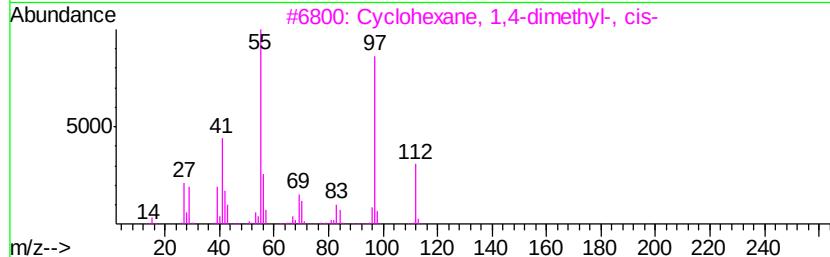
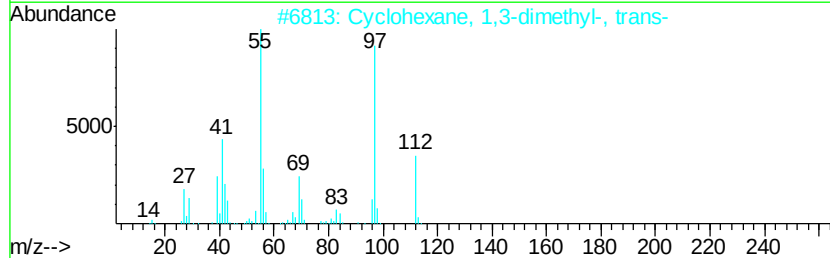
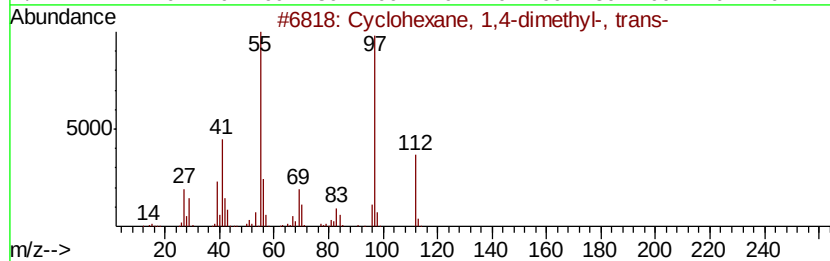
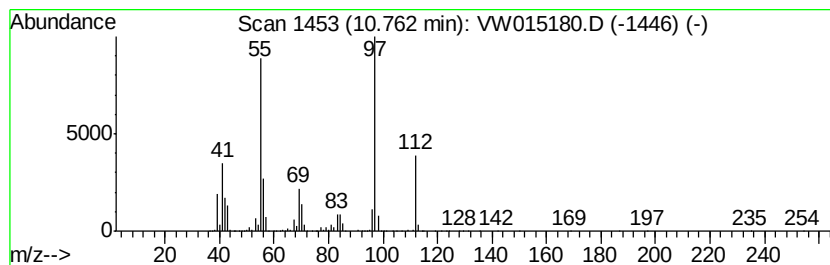
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic10.76 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	24.69 ug/L	3795510	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	95
4		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

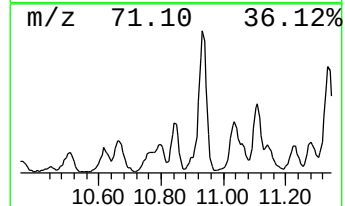
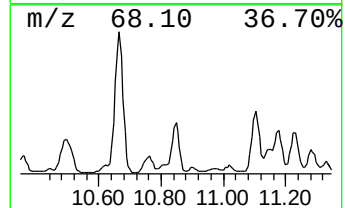
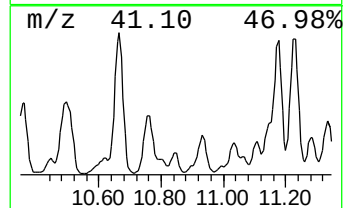
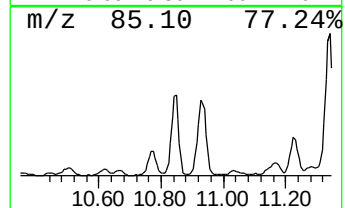
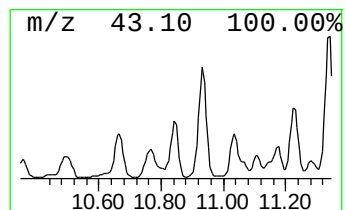
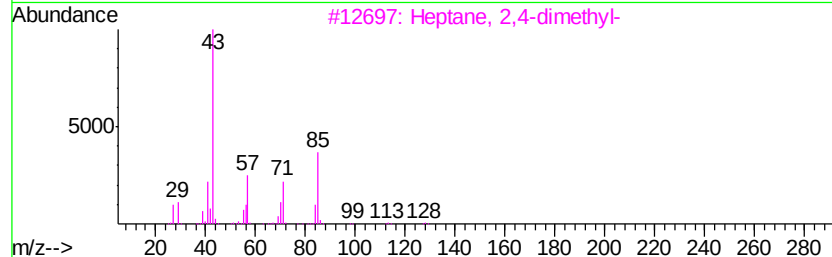
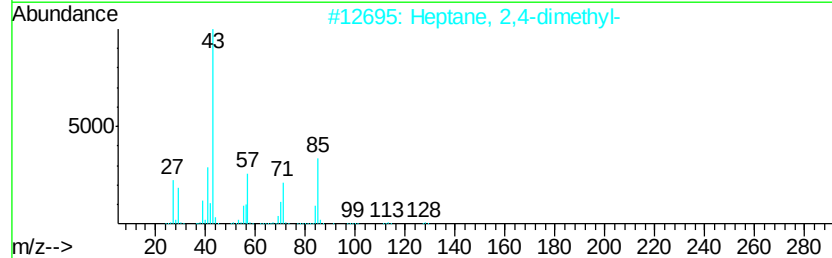
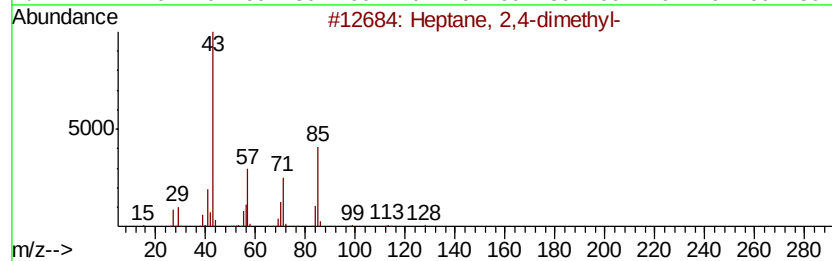
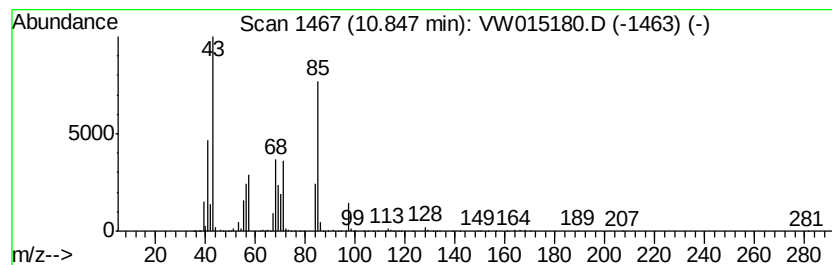
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	5.49 ug/L	844062	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
4		2H-Pyran, tetrahydro-2-[(tetrahy...	186	C10H18O3	000710-14-5	50
5		Sulfurous acid, hexyl undecyl ester	320	C17H36O3S	1000309-13-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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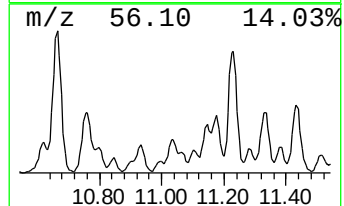
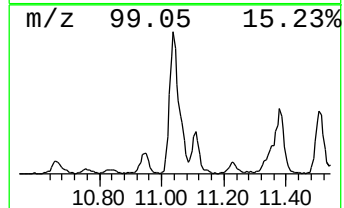
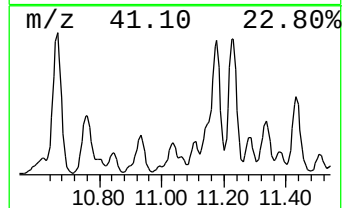
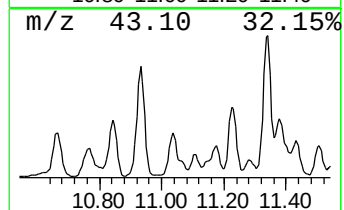
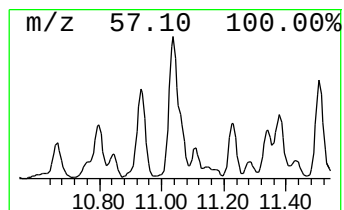
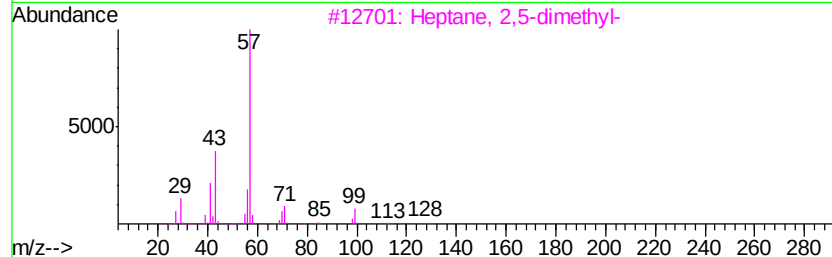
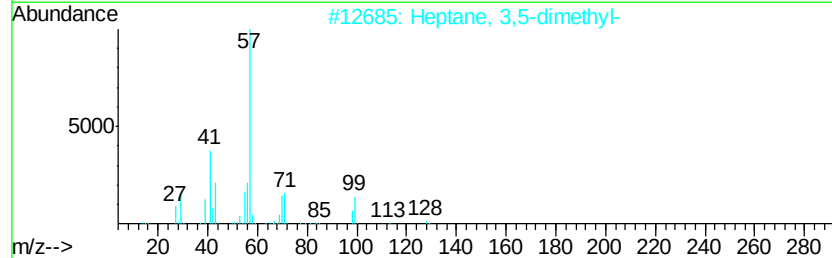
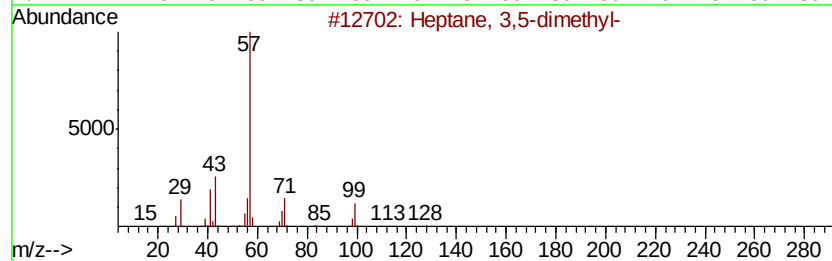
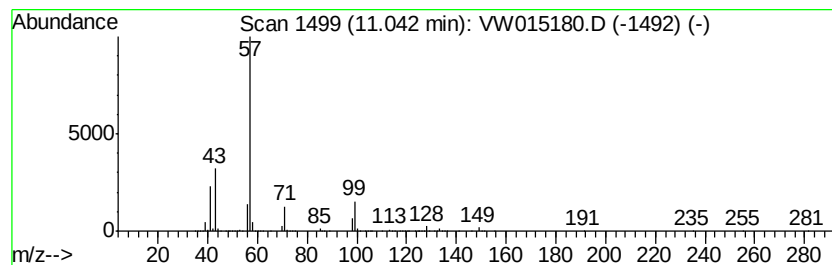
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	7.79 ug/L	1197430	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4		2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	64
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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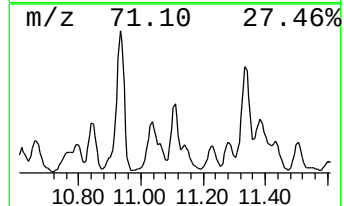
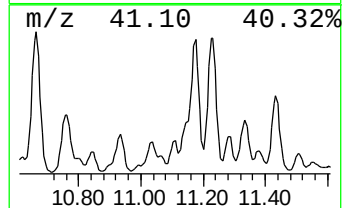
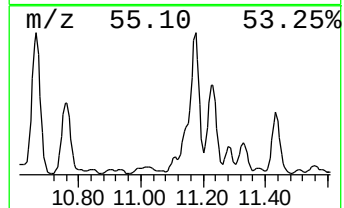
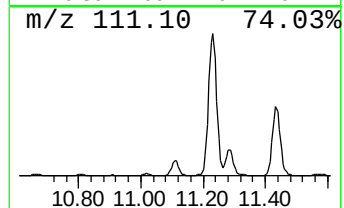
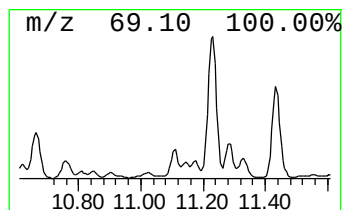
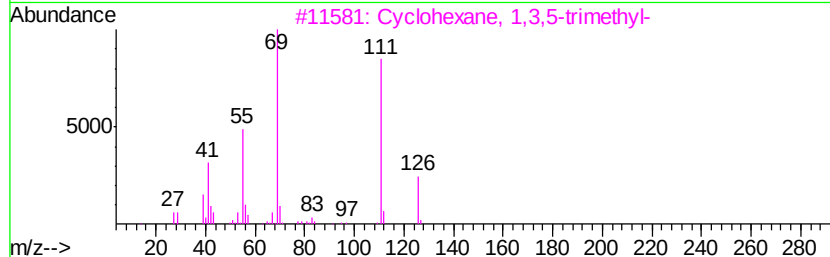
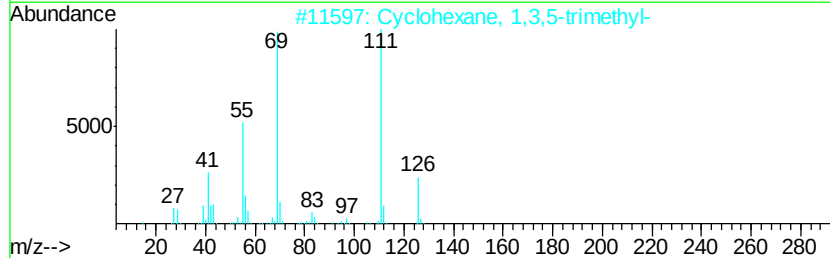
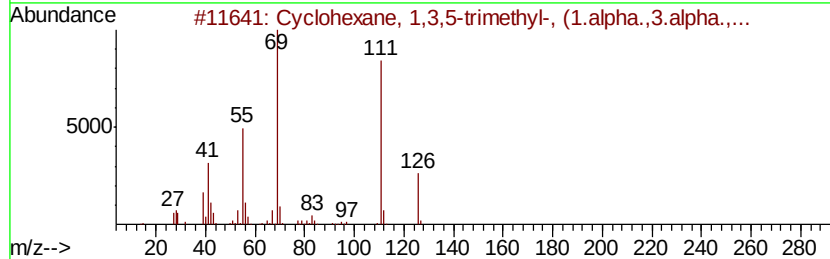
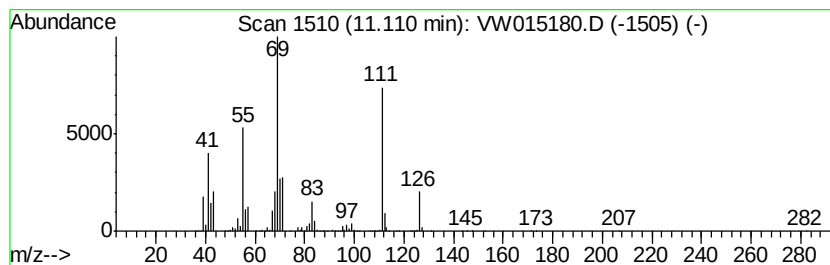
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.11 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	6.89 ug/L	1058680	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	76
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	68
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	68
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

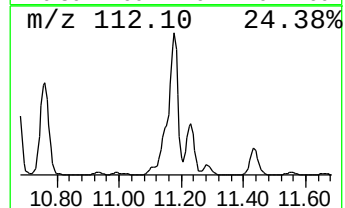
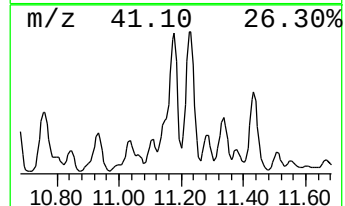
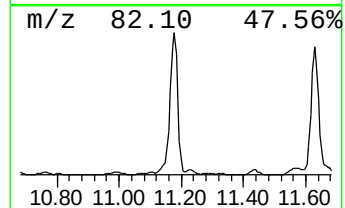
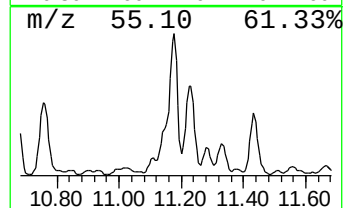
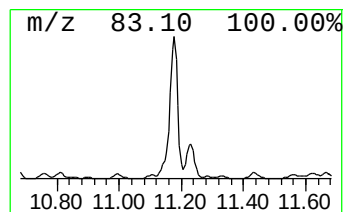
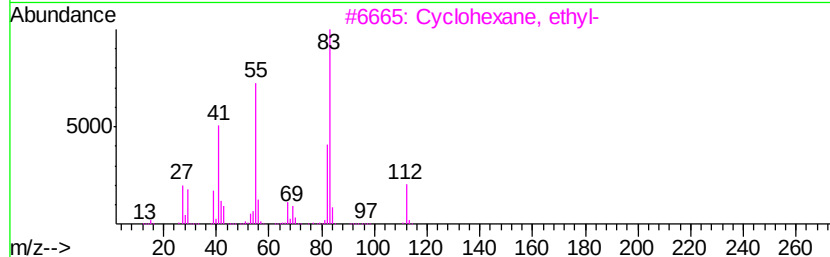
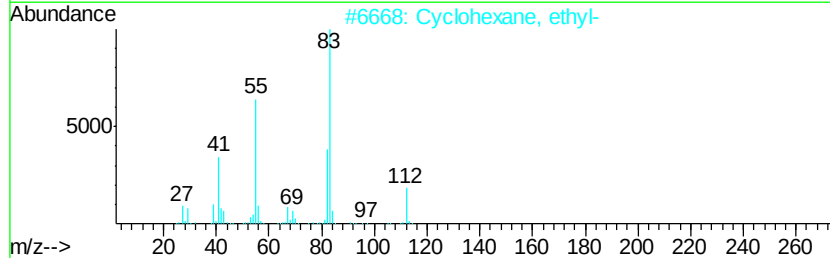
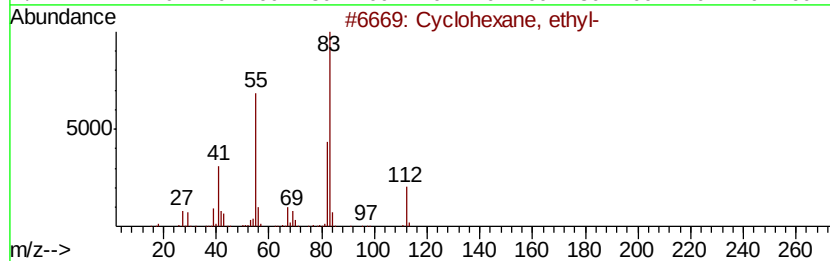
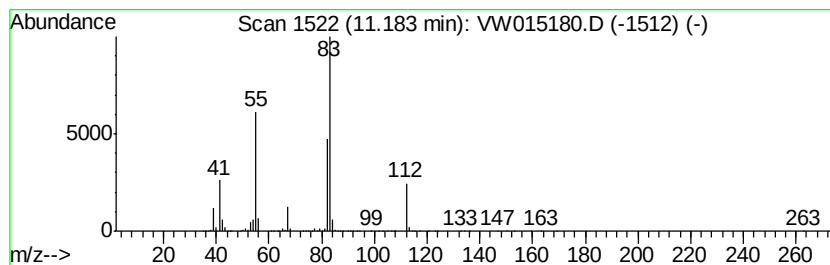
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic11.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	38.20 ug/L	5872620	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

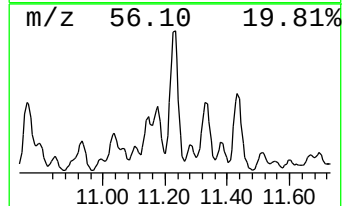
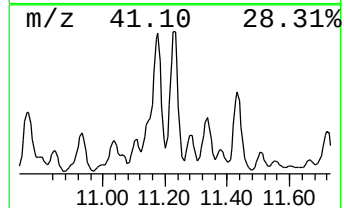
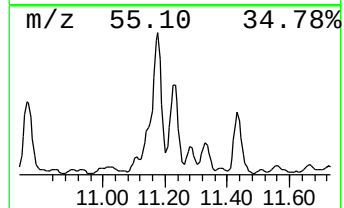
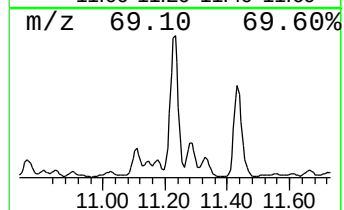
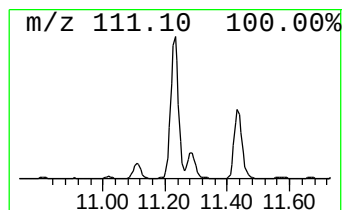
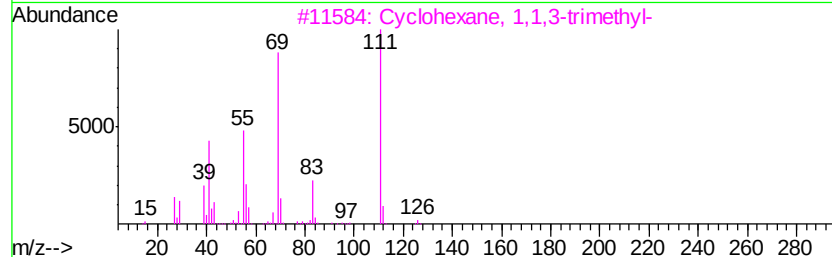
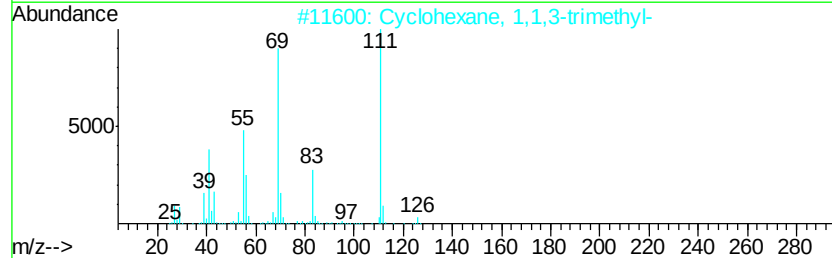
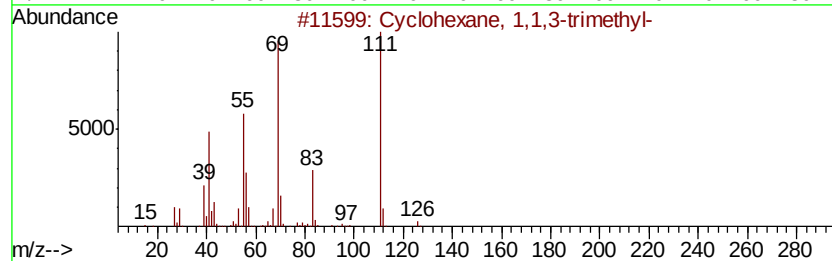
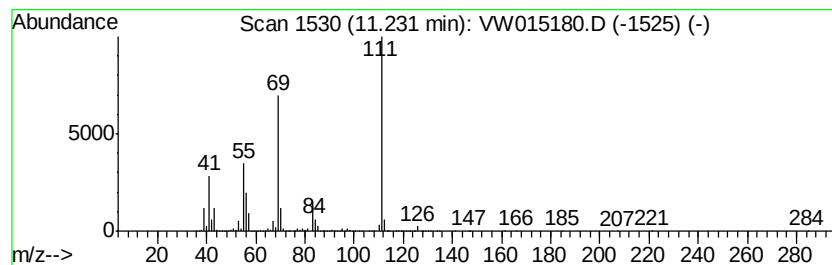
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.23 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	43.52 ug/L	6691290	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

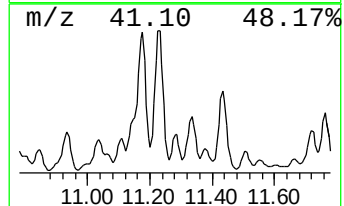
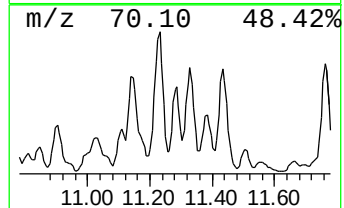
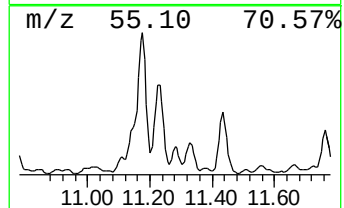
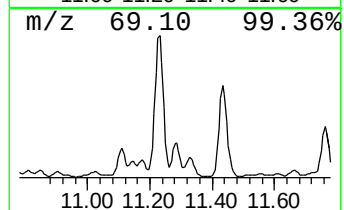
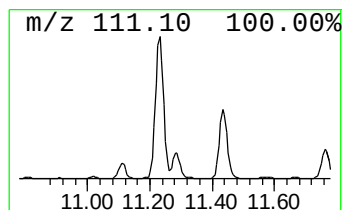
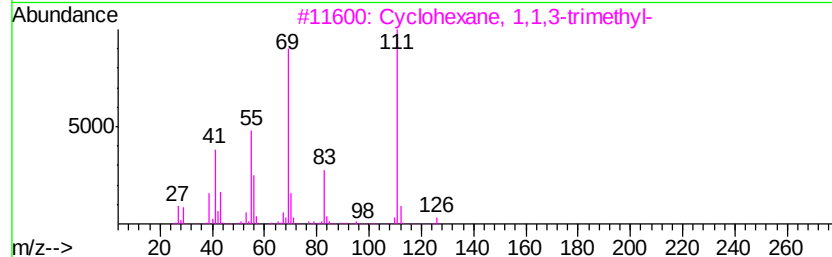
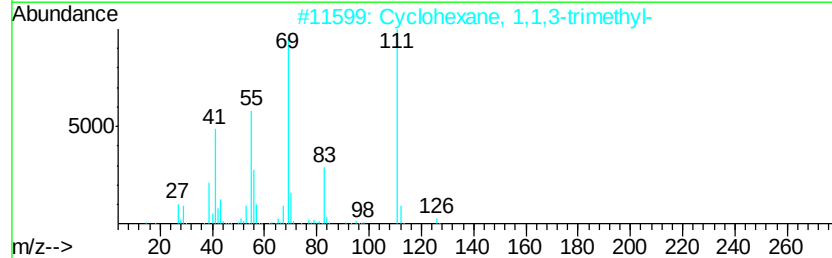
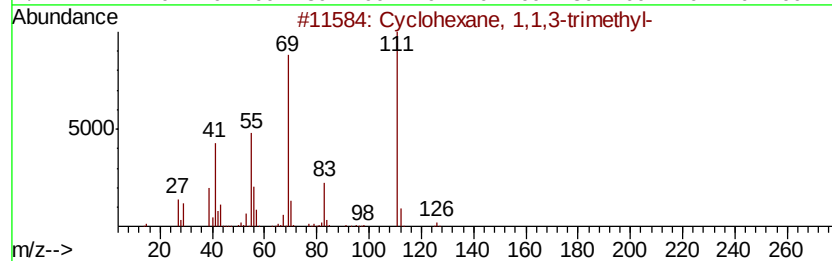
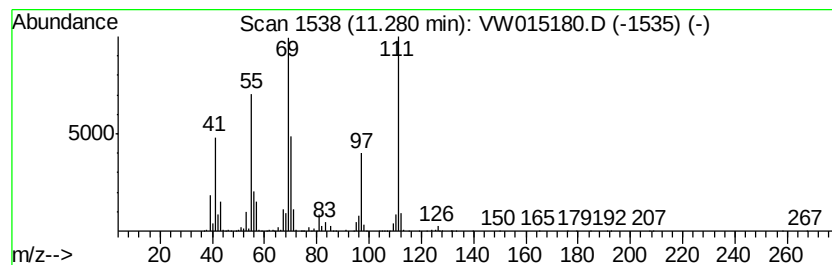
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BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic11.28 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.28	6.68 ug/L	1027250	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
4	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	53
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

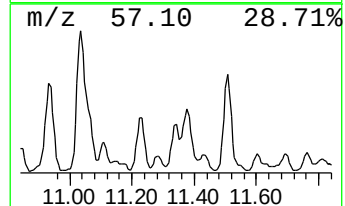
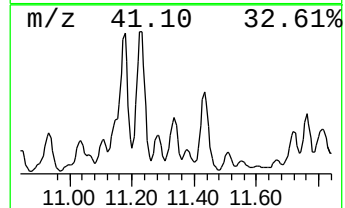
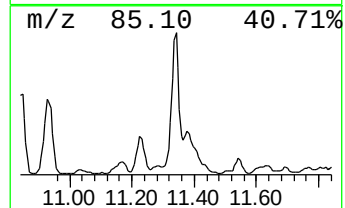
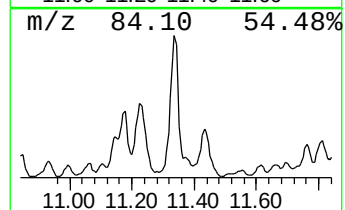
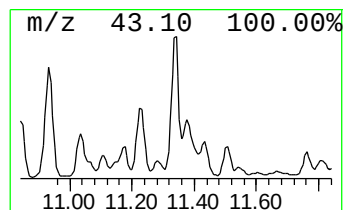
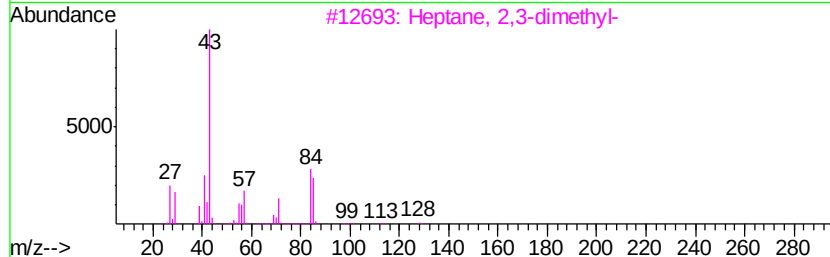
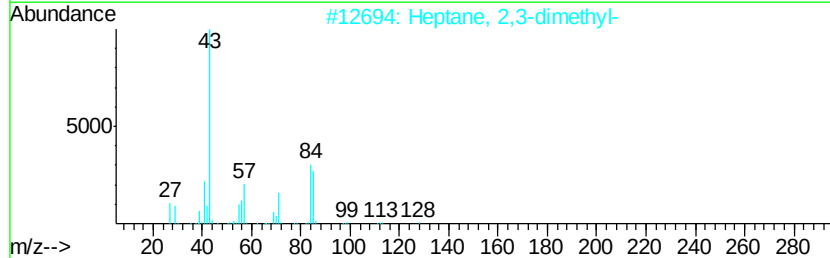
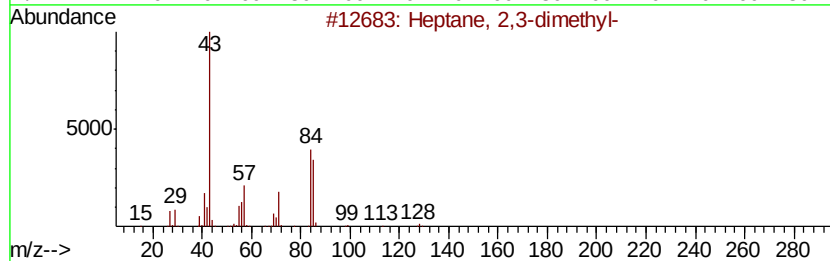
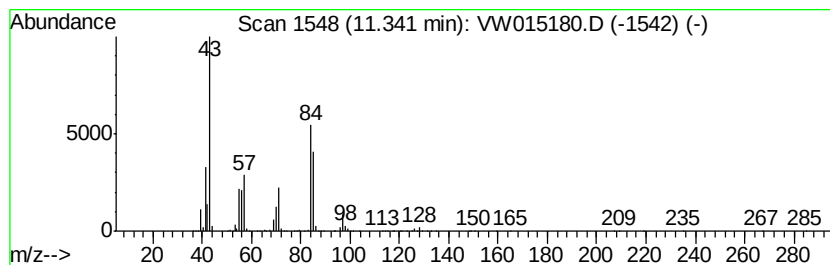
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	12.59 ug/L	1934950	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	49
4		1-Octene, 4-methyl-	126	C9H18	013151-12-7	49
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

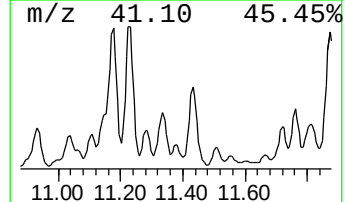
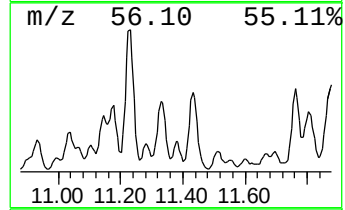
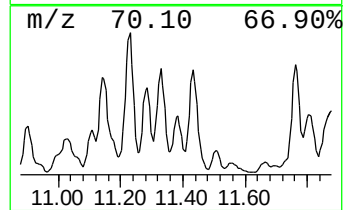
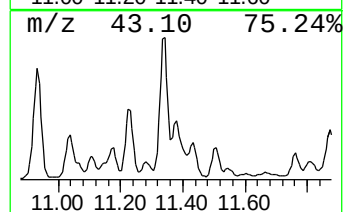
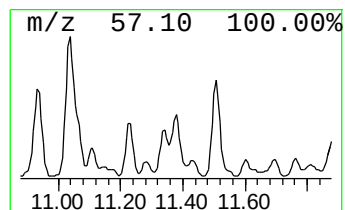
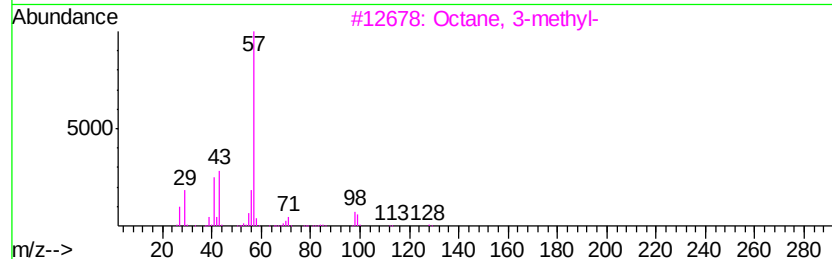
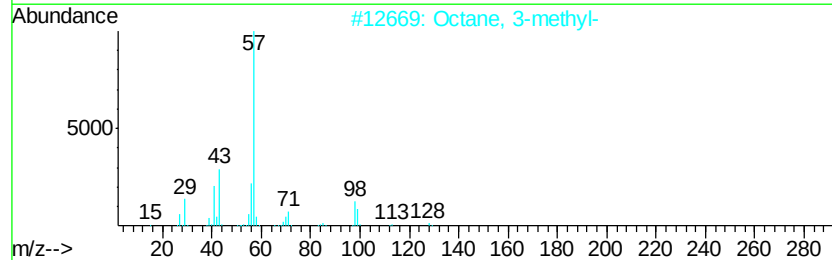
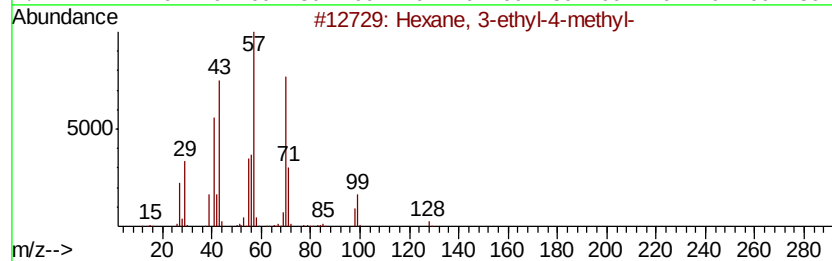
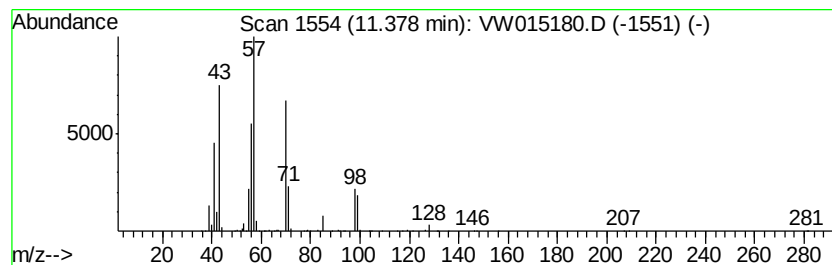
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	2.78 ug/L	427918	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	52
2		Octane, 3-methyl-	128	C9H20	002216-33-3	47
3		Octane, 3-methyl-	128	C9H20	002216-33-3	47
4		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	47
5		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

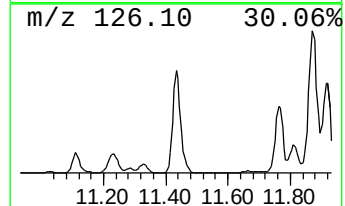
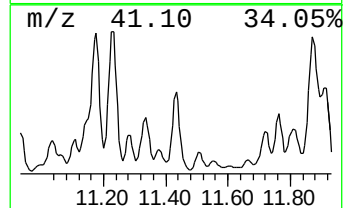
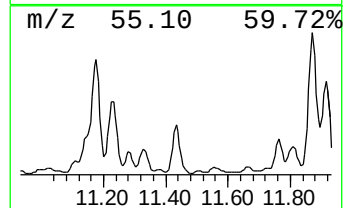
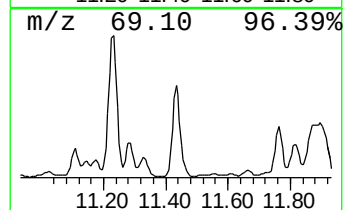
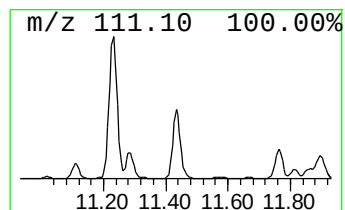
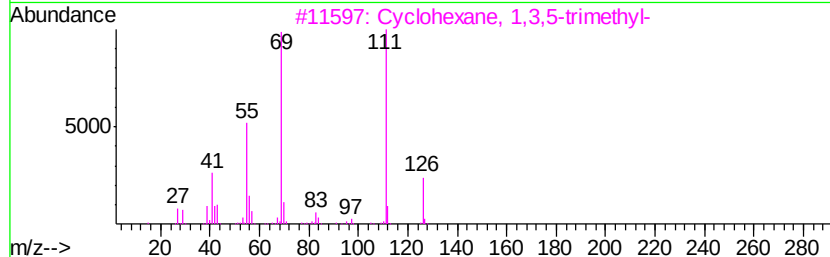
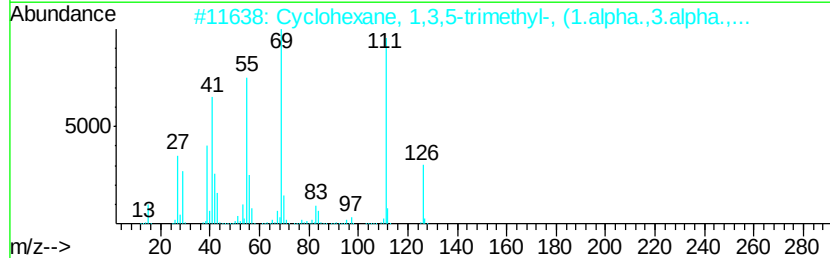
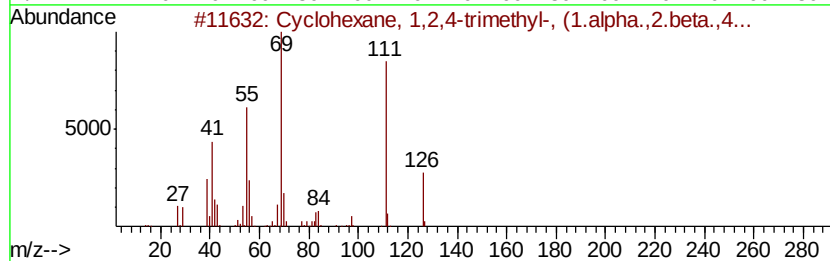
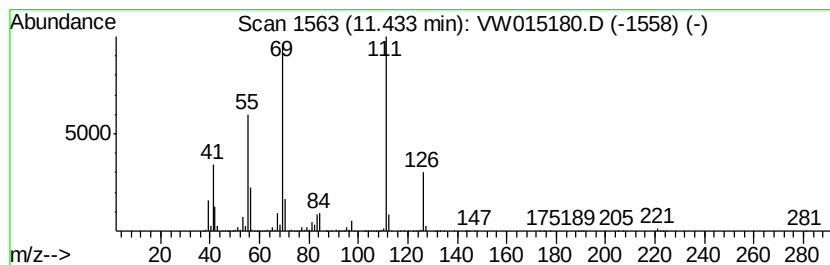
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.43 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.43	29.28 ug/L	4501560	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001839-63-0	90
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001839-63-0	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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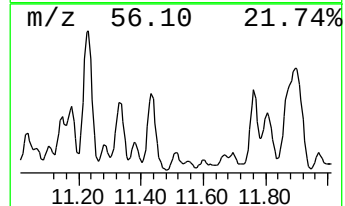
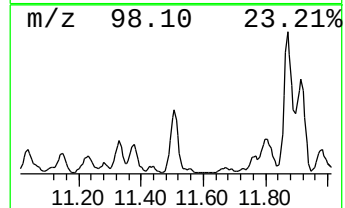
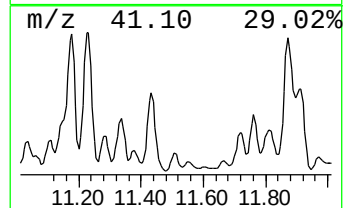
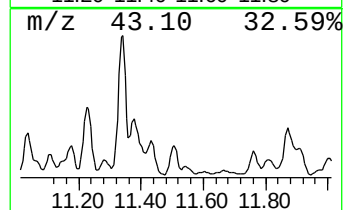
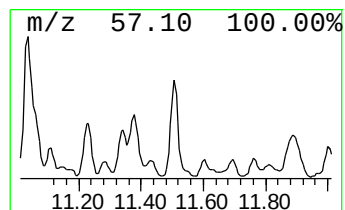
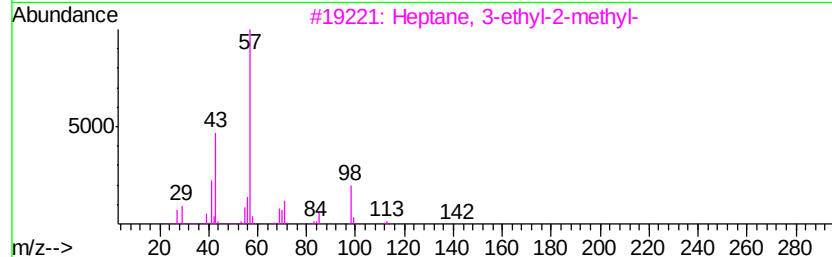
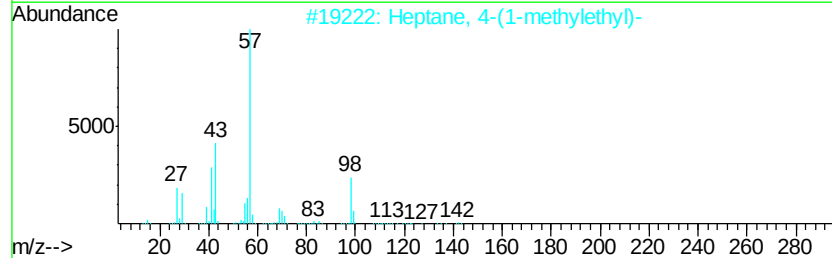
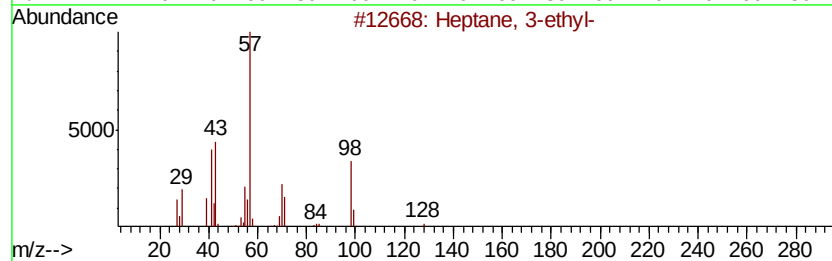
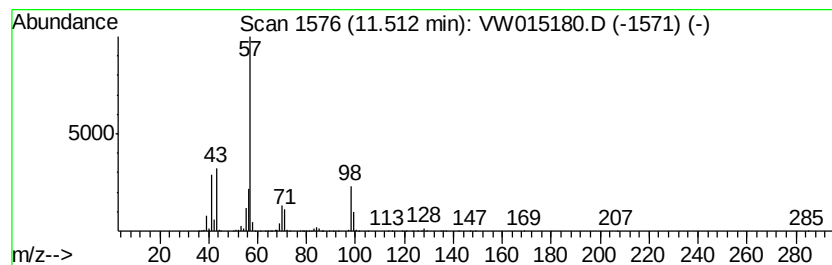
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	4.54 ug/L	698336	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-	128	C9H20	015869-80-4	87
2			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	78
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
4			Octane, 3-methyl-	128	C9H20	002216-33-3	74
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

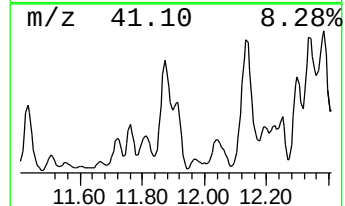
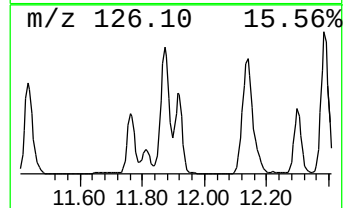
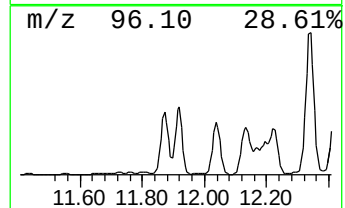
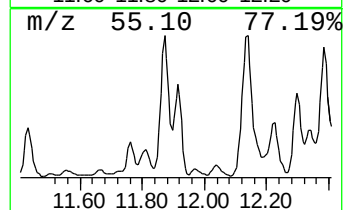
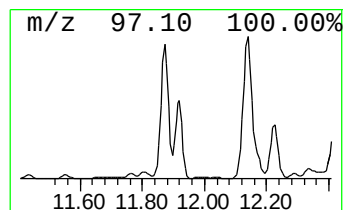
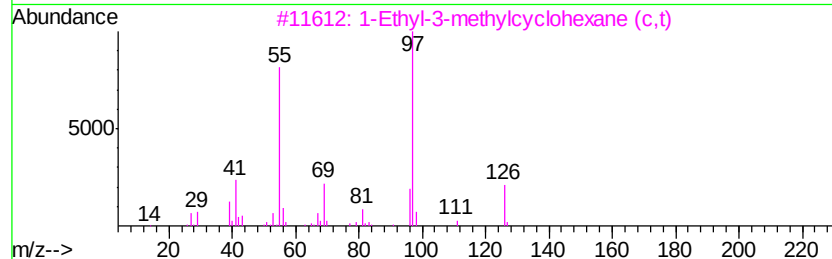
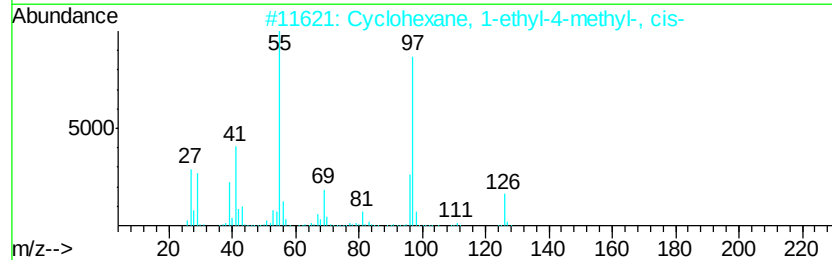
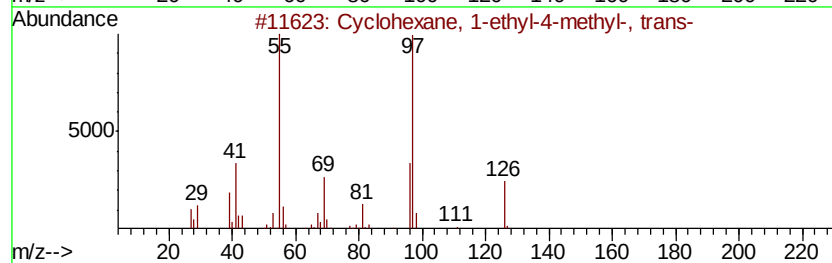
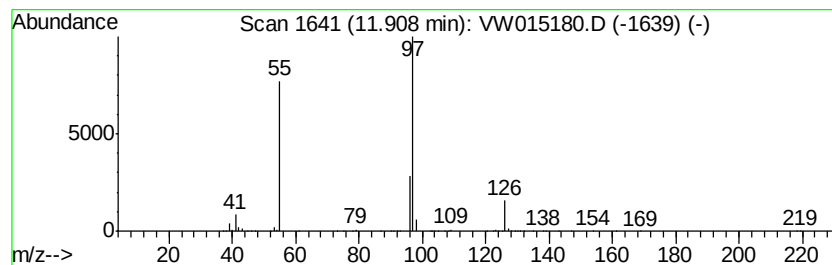
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic11.91 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.91	28.61 ug/L	4397940	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
5		4-Octen-3-one	126	C8H14O	014129-48-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

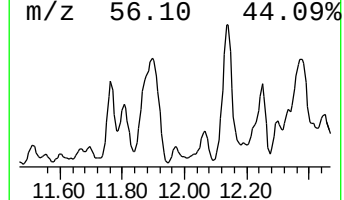
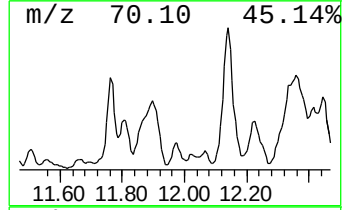
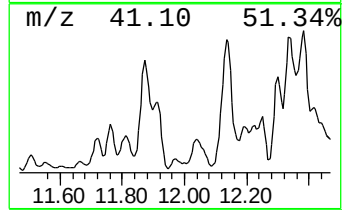
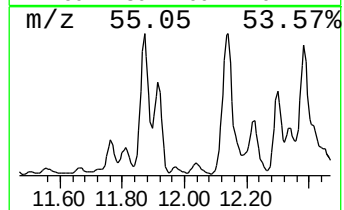
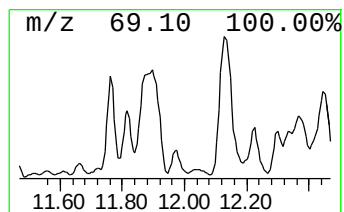
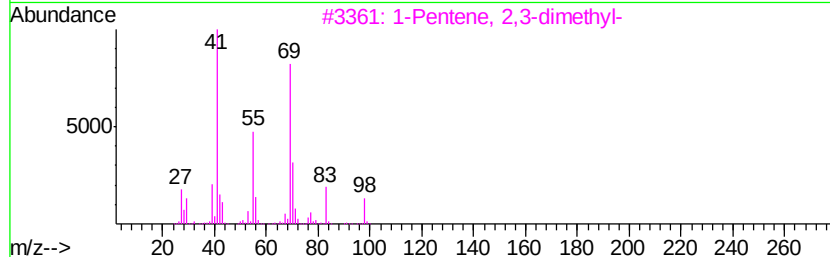
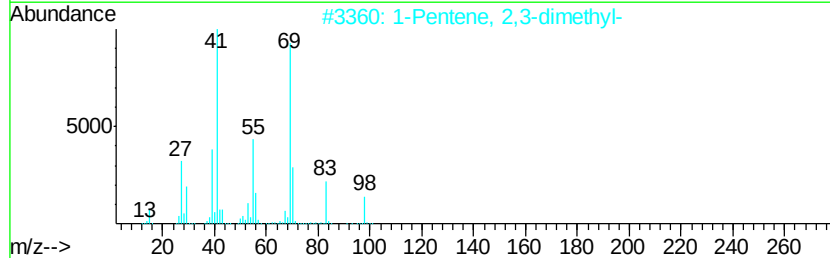
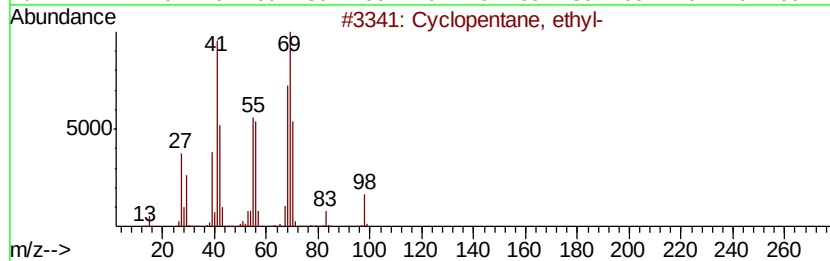
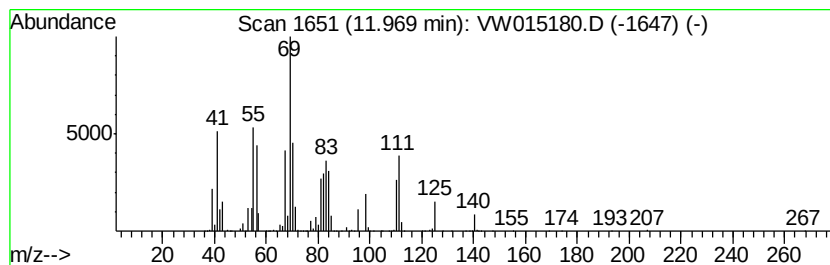
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic11.97 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.80 ug/L	891418	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	46
2		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
3		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
4		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	38
5		3-Methyl-2-hexene	98	C7H14	017618-77-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

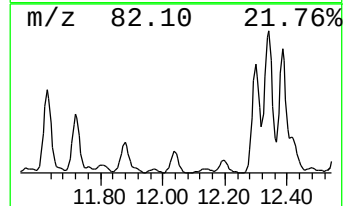
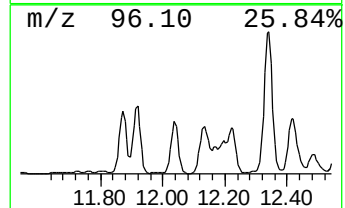
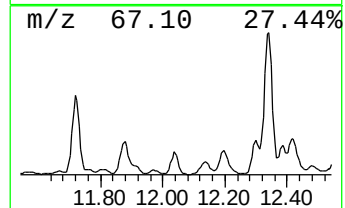
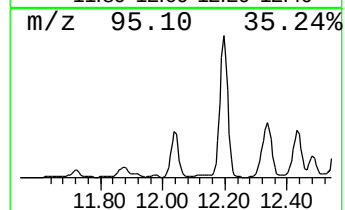
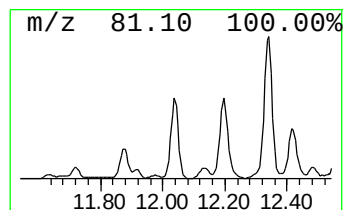
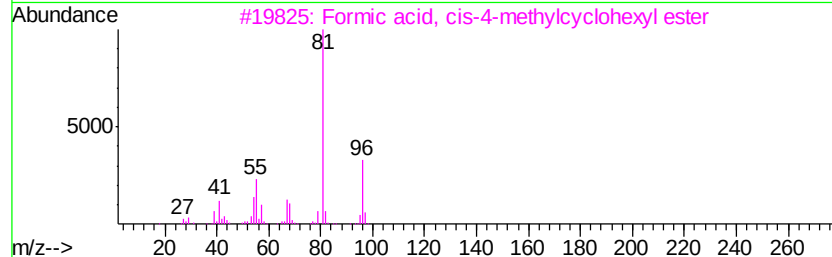
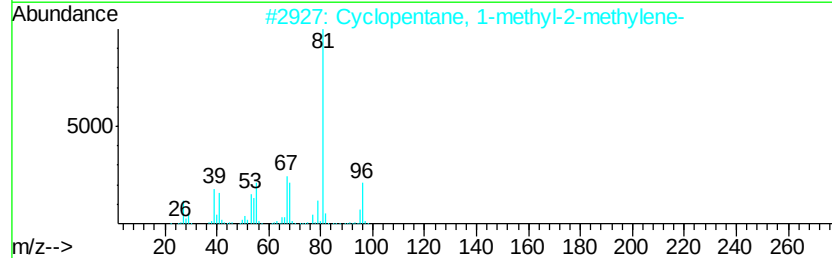
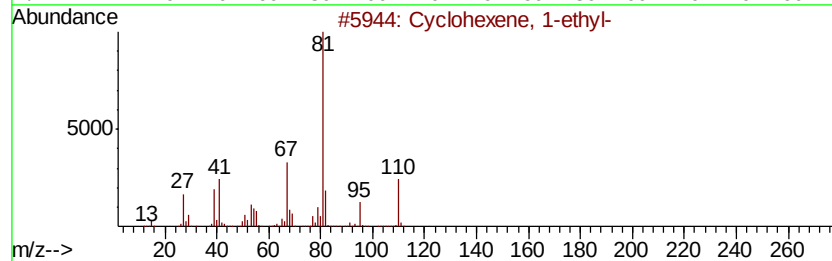
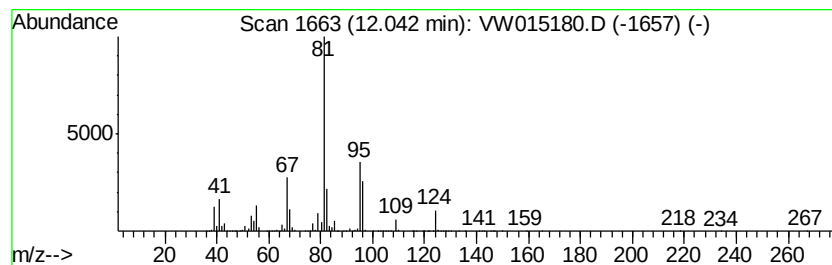
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 32 Cyclohexene, 1-ethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	23.01 ug/L	3537910	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexene, 1-ethyl-	110 C8H14	001453-24-3 59
2		Cyclopentane, 1-methyl-2-methylene-	96 C7H12	041158-41-2 53
3		Formic acid, cis-4-methylcyclohe...	142 C8H14O2	1000368-24-7 50
4		Cyclopentene, 1,5-dimethyl-	96 C7H12	016491-15-9 47
5		2-n-Butyl furan	124 C8H12O	004466-24-4 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

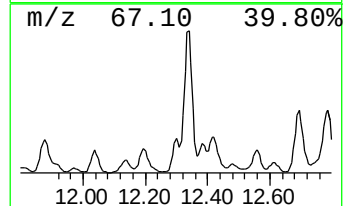
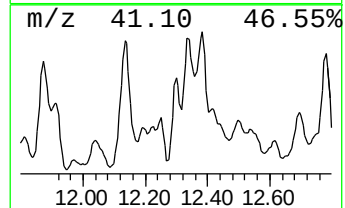
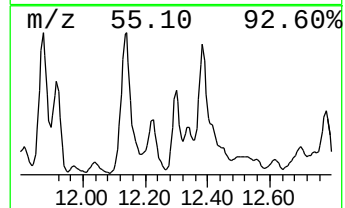
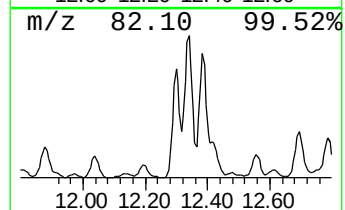
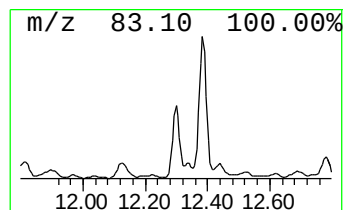
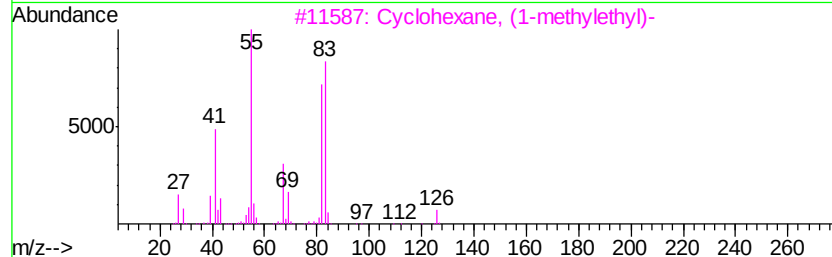
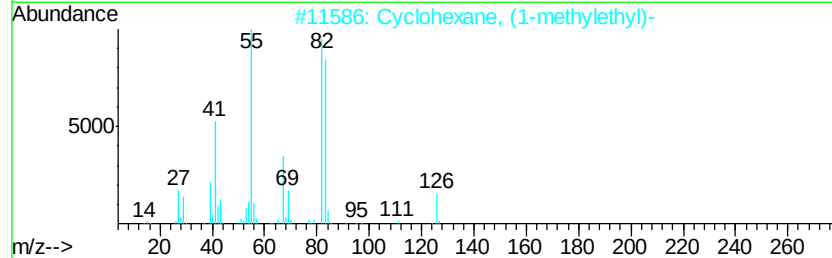
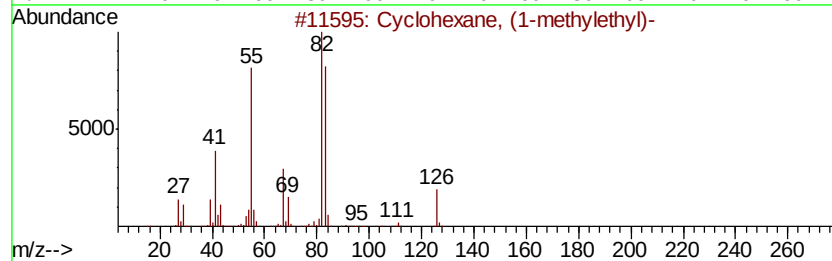
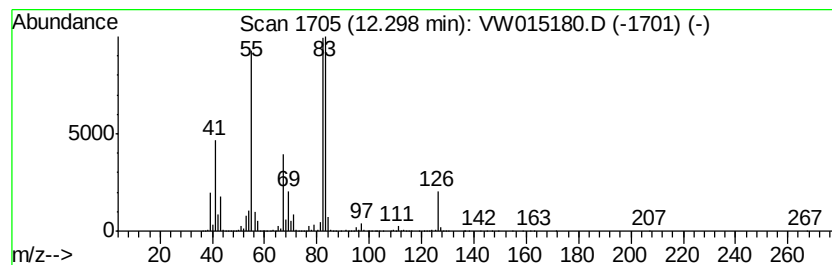
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Cyclic12.30 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	32.99 ug/L	5071340	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	97
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	96
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	94
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

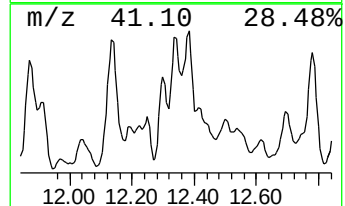
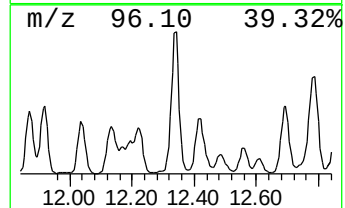
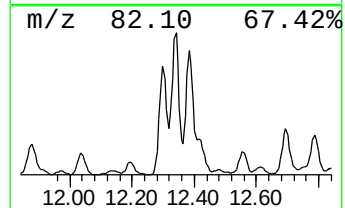
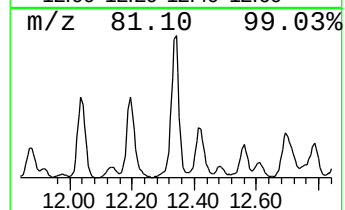
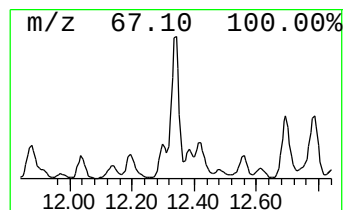
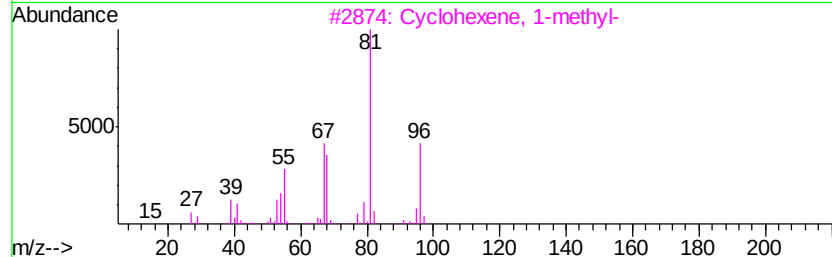
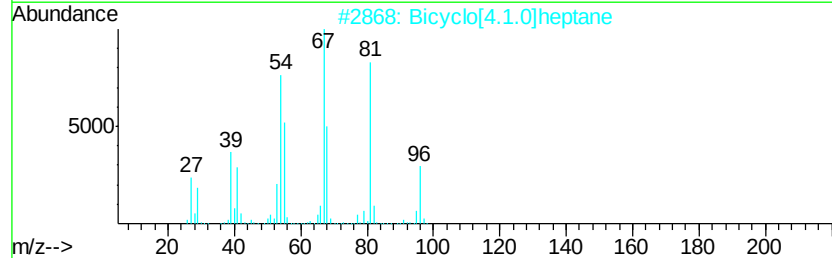
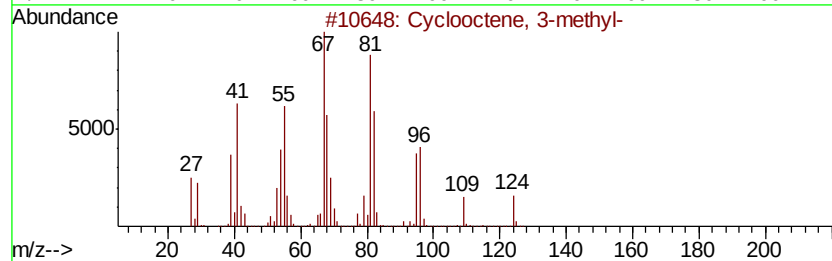
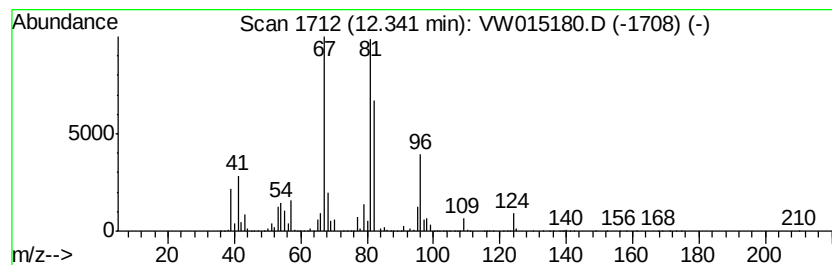
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Quant Title : VOC Analysis

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

Peak Number 34 Cyclooctene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	67.21 ug/L	10332600	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	72
2		Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	64
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	53
4		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46
5		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

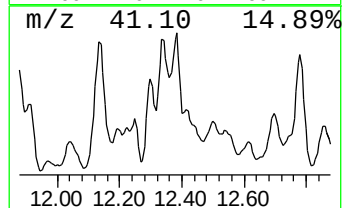
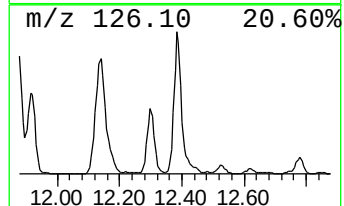
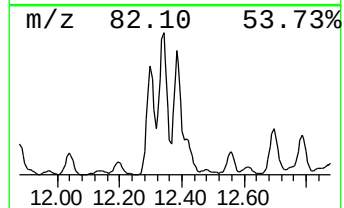
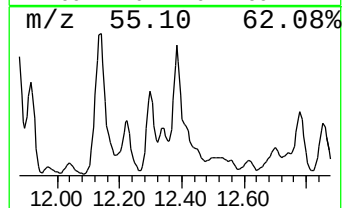
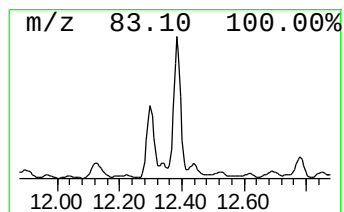
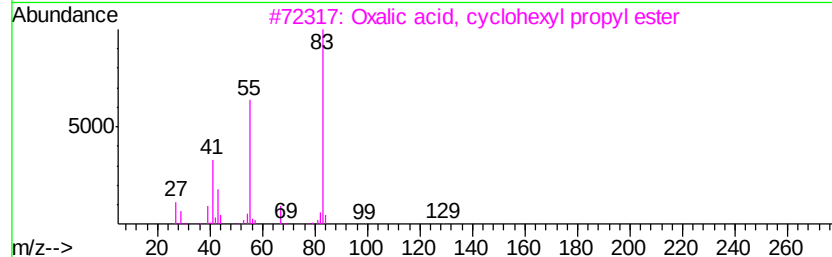
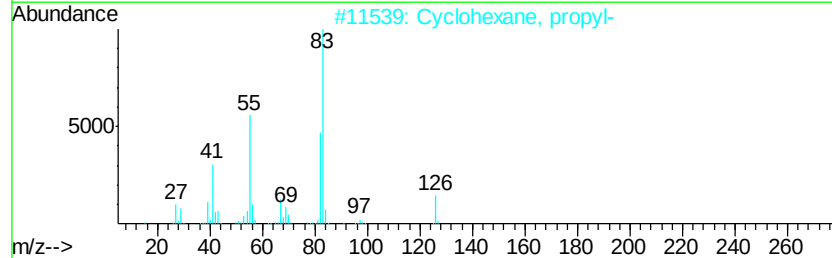
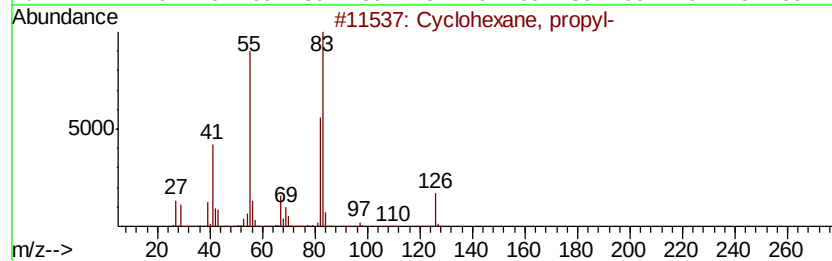
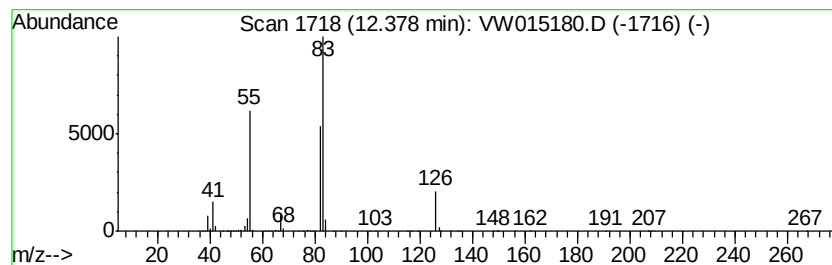
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic12.38 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.38	30.01 ug/L	4614220	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	56
3		Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50
4		Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	50
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

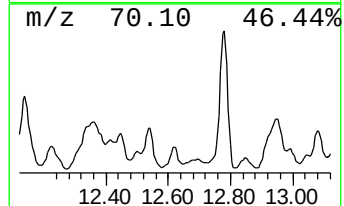
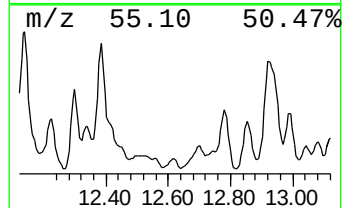
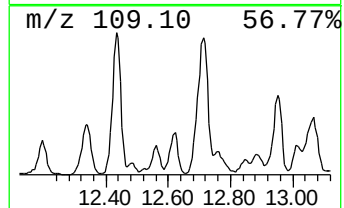
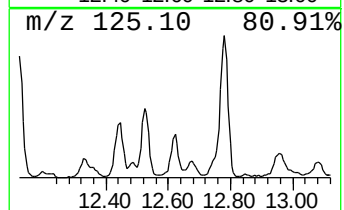
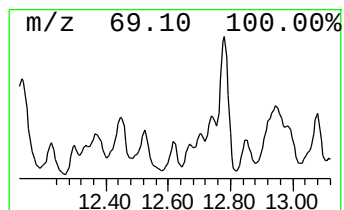
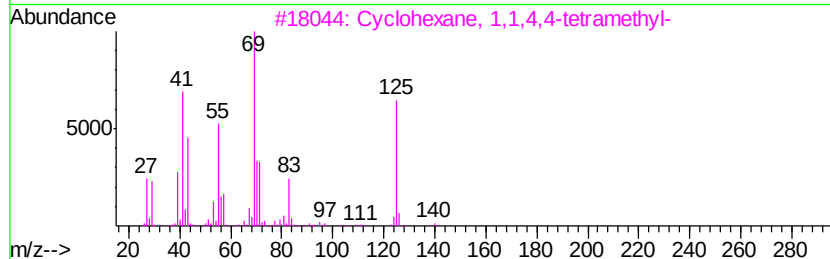
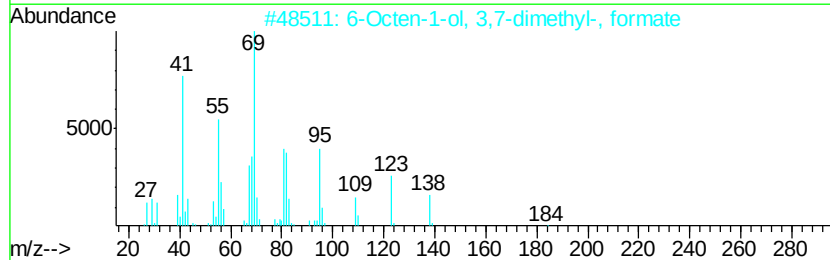
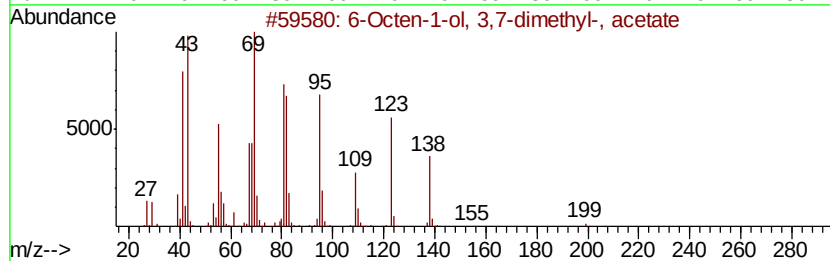
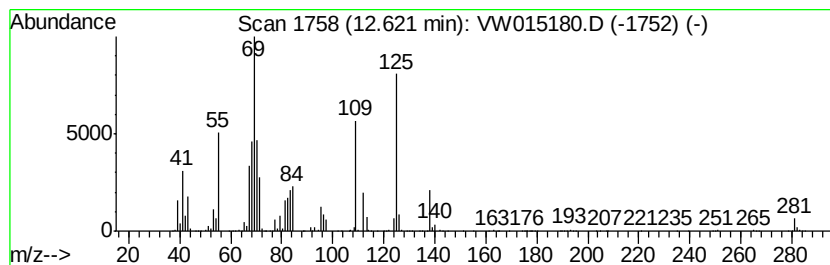
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Quant Title : VOC Analysis

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

Peak Number 36 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	24.08 ug/L	1769200	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Octen-1-ol, 3,7-dimethyl-, ace...	198	C12H22O2	000150-84-5	40
2		6-Octen-1-ol, 3,7-dimethyl-, for...	184	C11H20O2	000105-85-1	37
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	35
4		4-Methyl-2-heptene	112	C8H16	003404-56-6	25
5		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

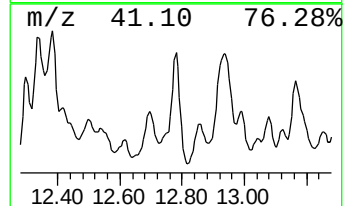
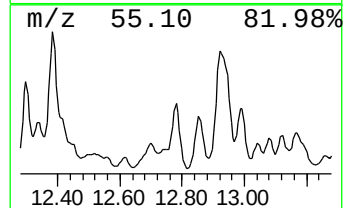
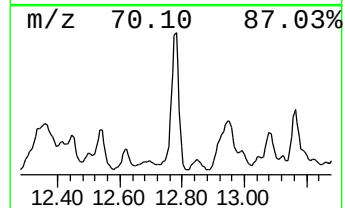
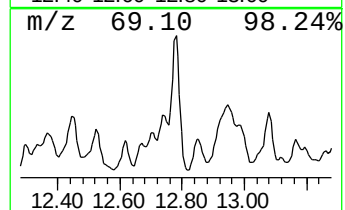
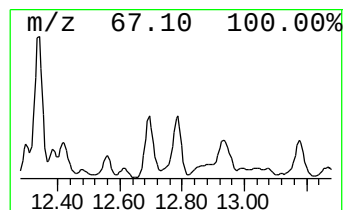
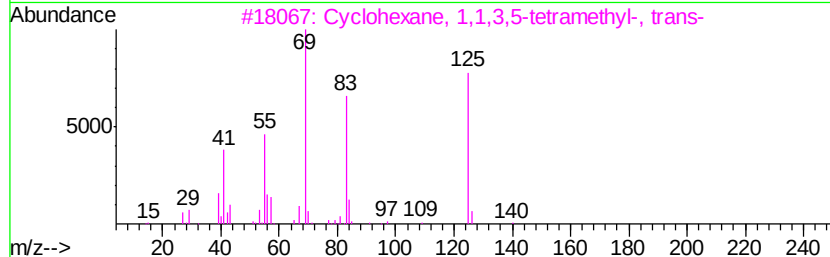
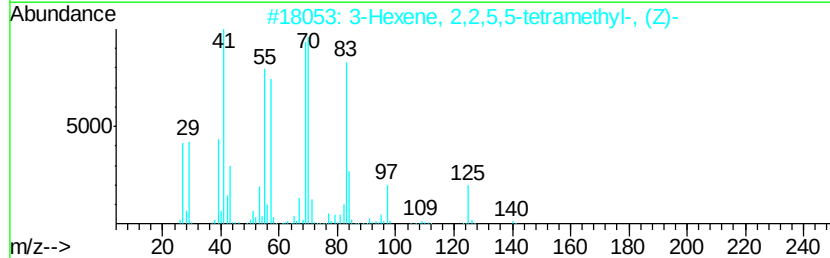
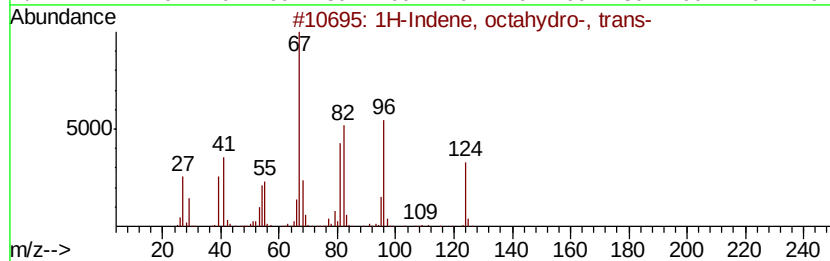
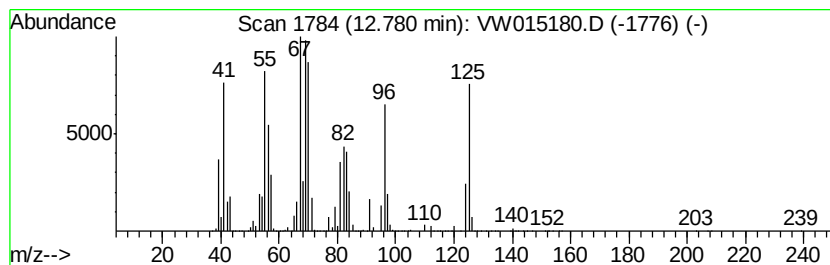
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Quant Title : VOC Analysis

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

Peak Number 37 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	151.22 ug/L	11111100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	30
2		3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	30
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	30
4		cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	25
5		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	20



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

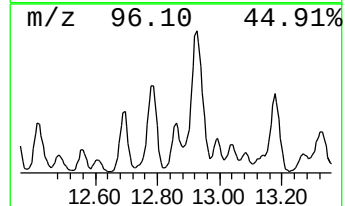
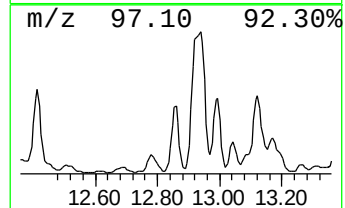
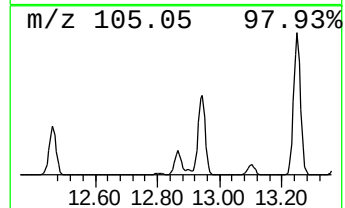
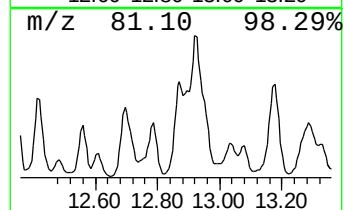
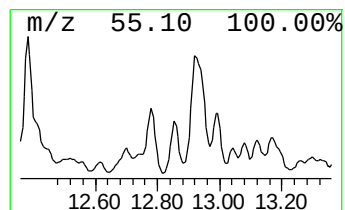
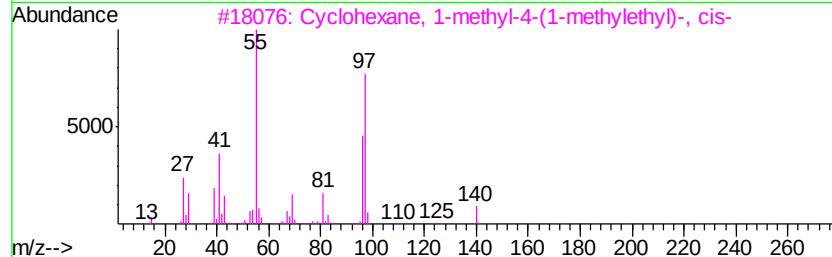
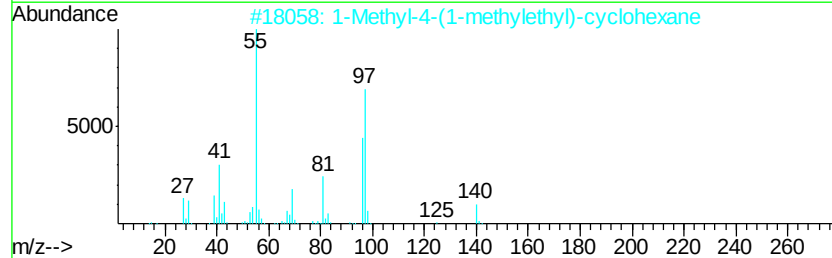
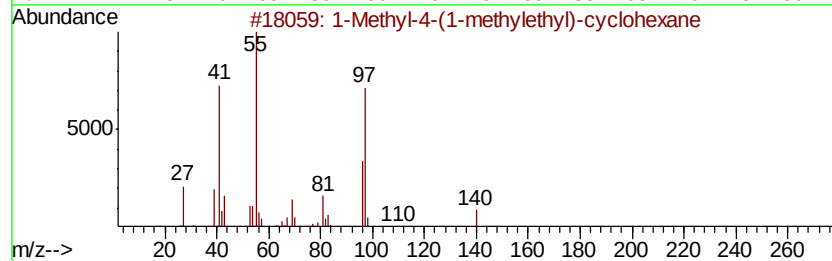
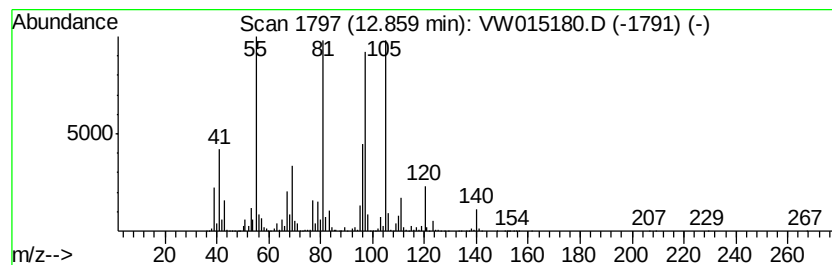
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	65.94 ug/L	4844800	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	50
2		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	50
3		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

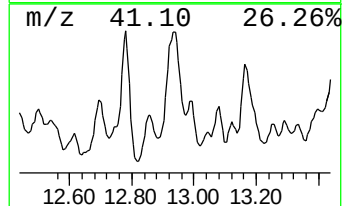
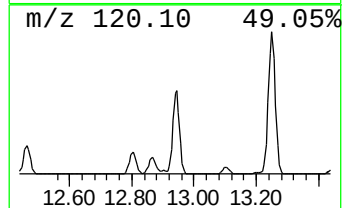
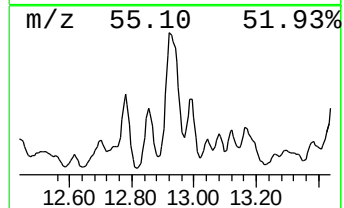
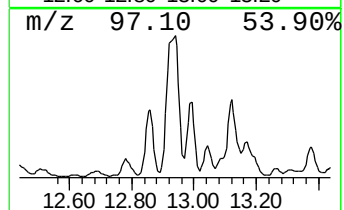
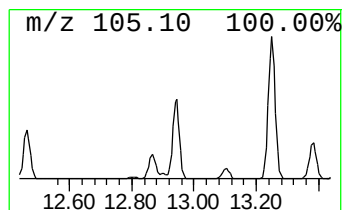
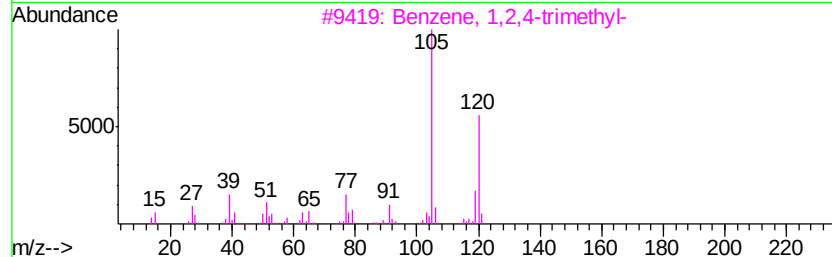
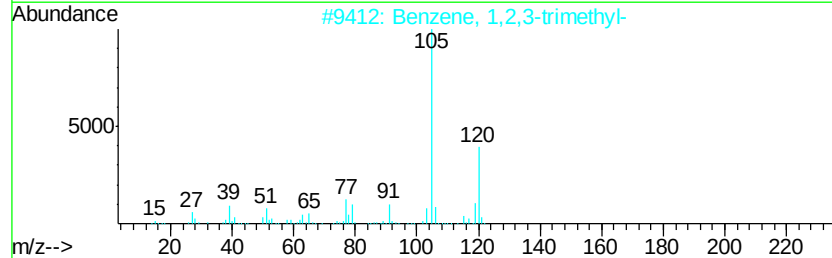
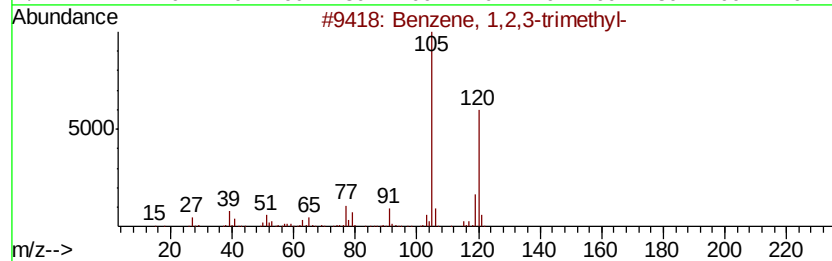
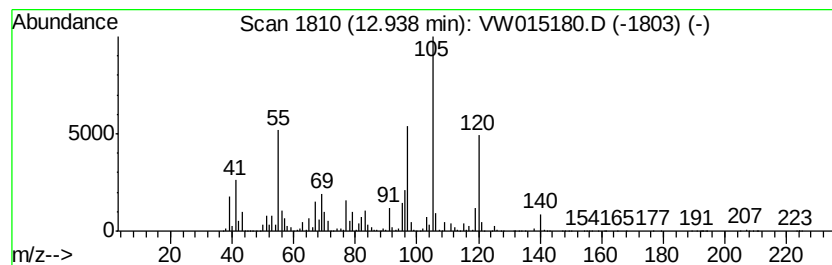
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 39 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	221.71 ug/L	16290100	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 90
2		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 89
3		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 86
4		Mesitylene	120 C9H12	000108-67-8 86
5		Mesitylene	120 C9H12	000108-67-8 86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

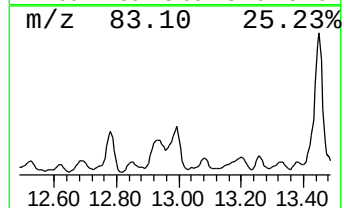
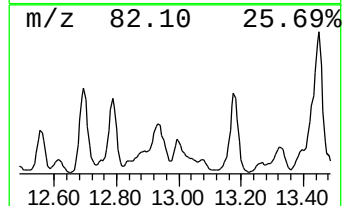
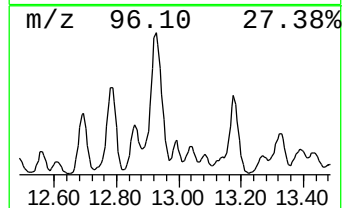
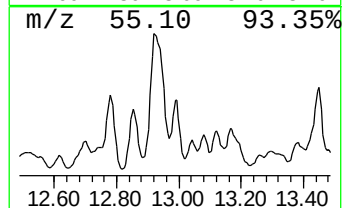
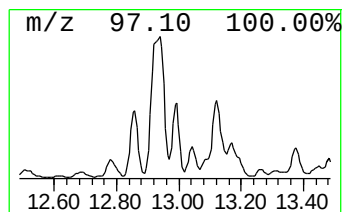
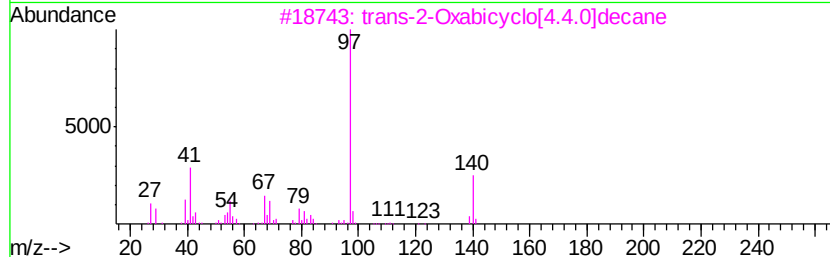
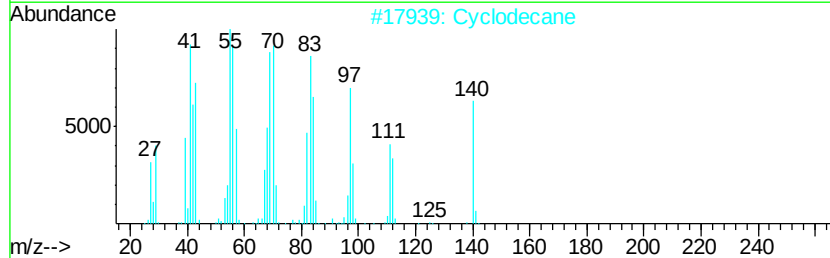
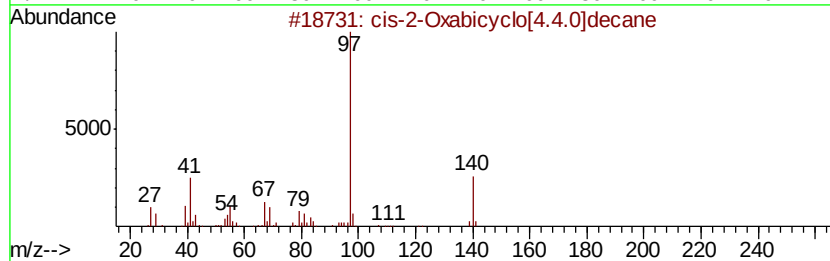
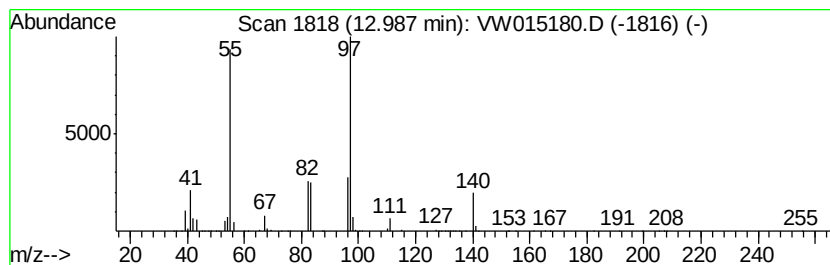
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Quant Title : VOC Analysis

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

Peak Number 40 unknown-03 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	24.64 ug/L	1810410	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	46
2			Cyclodecane	140	C10H20	000293-96-9	43
3			trans-2-Oxabicyclo[4.4.0]decane	140	C9H16O	059958-46-2	43
4			Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	40
5			Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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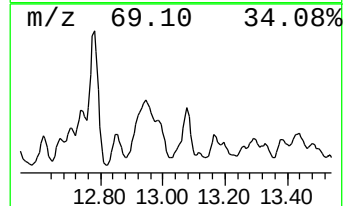
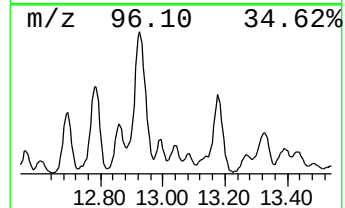
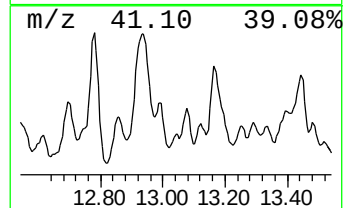
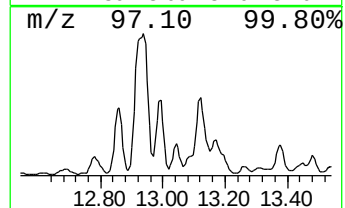
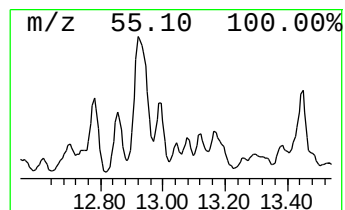
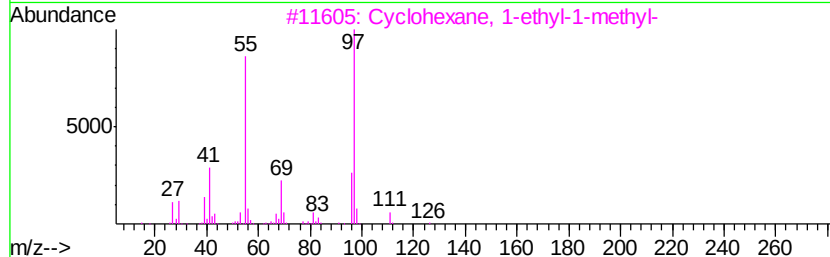
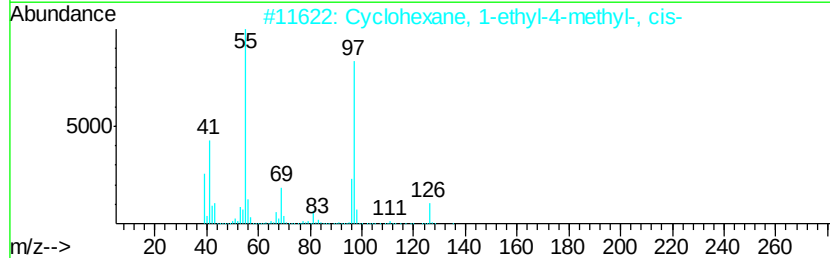
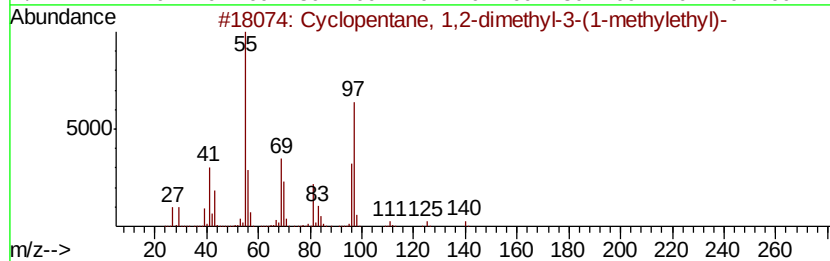
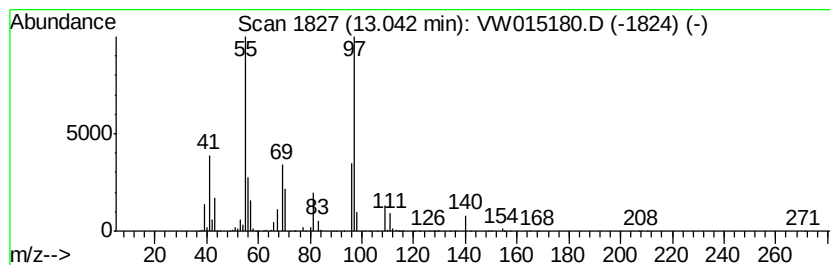
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic13.04 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	5.80 ug/L	425996	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	72
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
4			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	59
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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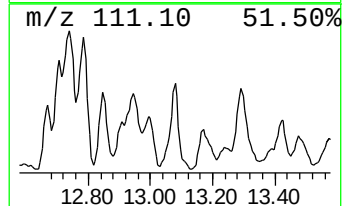
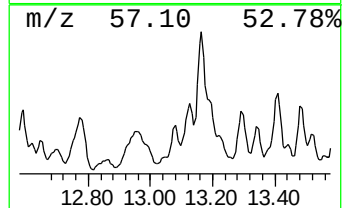
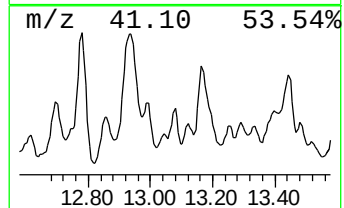
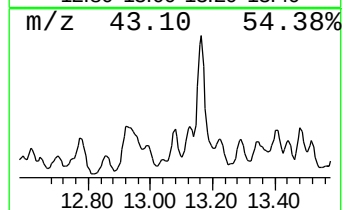
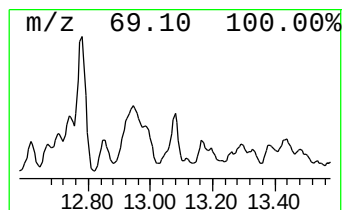
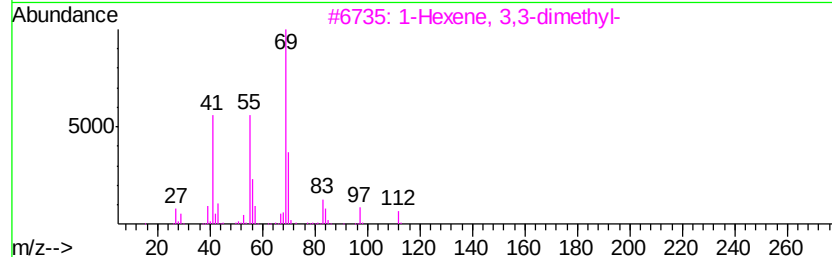
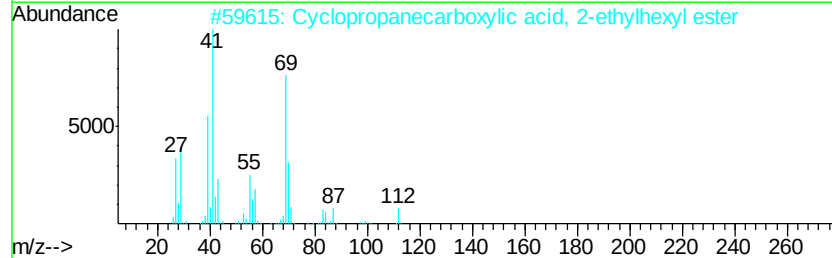
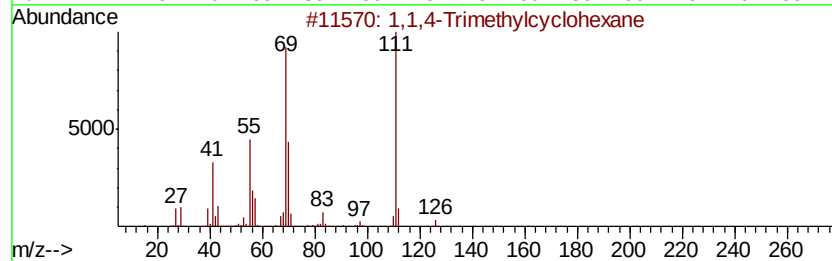
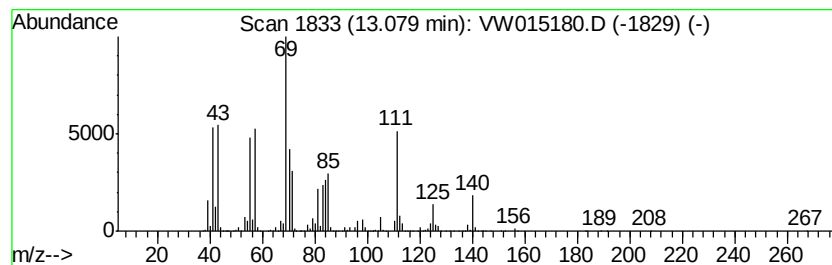
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	17.91 ug/L	1316250	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
2			Cyclopropanecarboxylic acid, 2-ethylhexyl ester	198	C12H22O2	103604-31-5	43
3			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
4			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	38
5			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

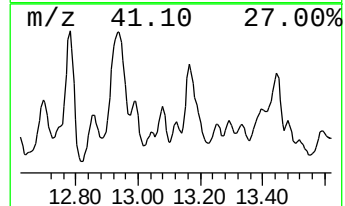
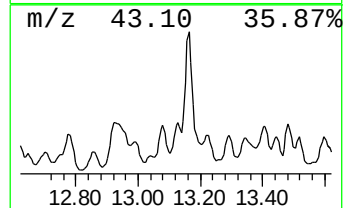
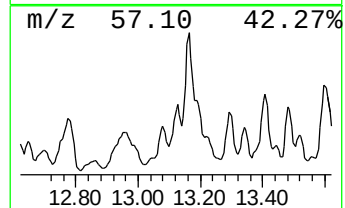
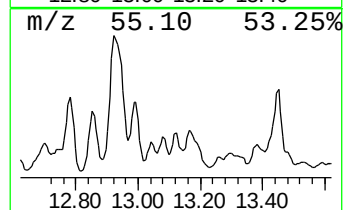
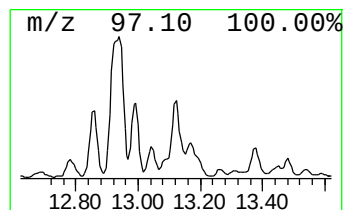
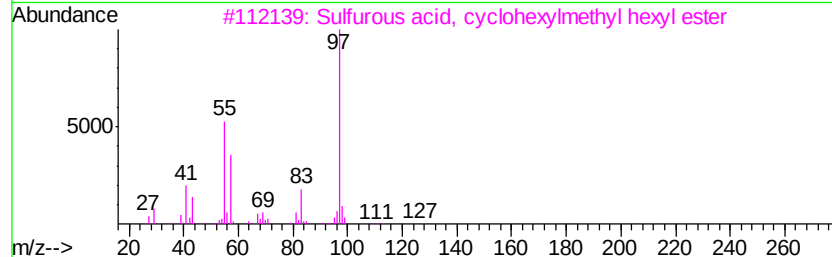
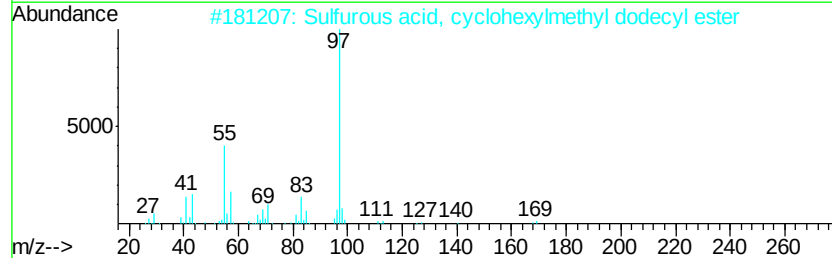
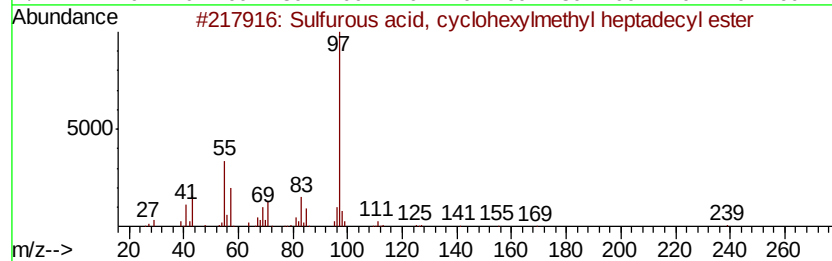
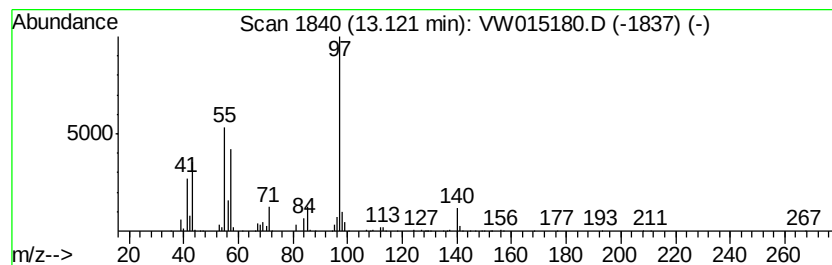
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Quant Title : VOC Analysis

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

Peak Number 43 Sulfurous acid, cyclohexylm... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.87 ug/L	578312	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	72
2		Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	64
3		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	59
4		Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	56
5		2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

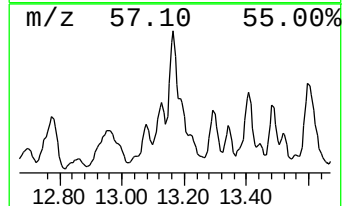
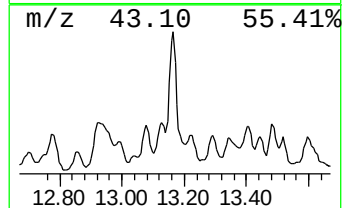
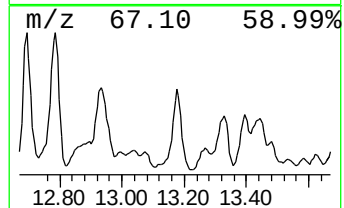
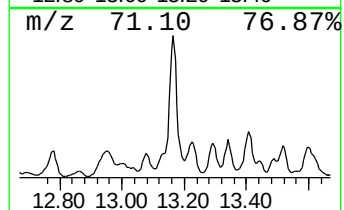
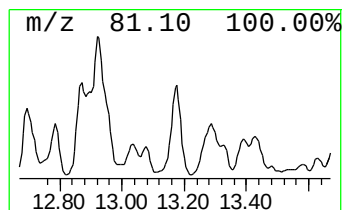
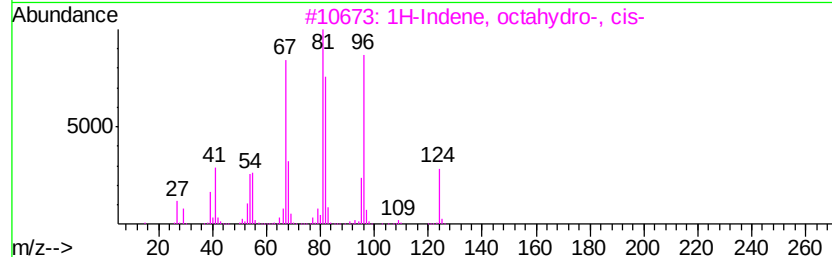
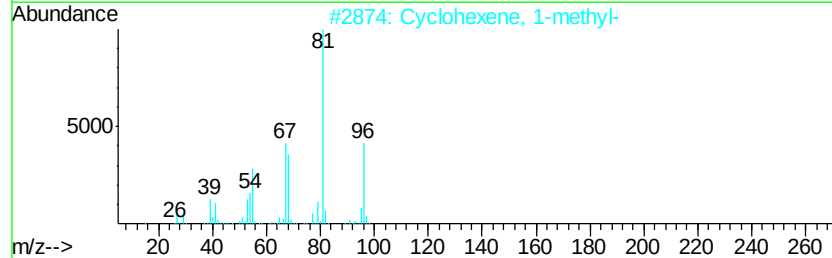
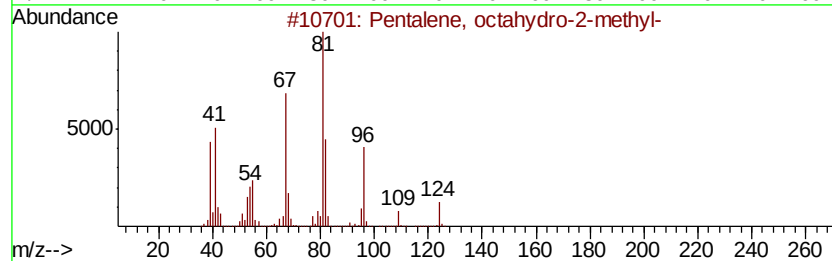
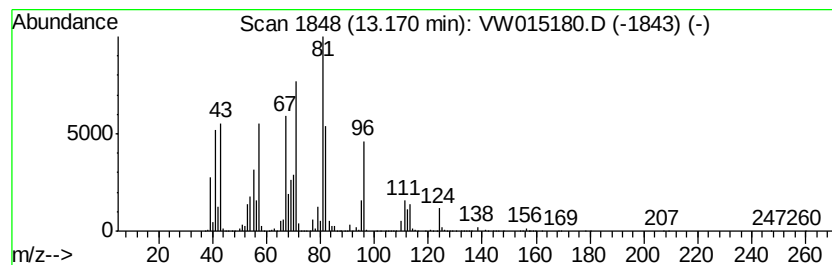
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Quant Title : VOC Analysis

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

Peak Number 44 Pentalene, octahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	84.83 ug/L	6232900	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	92
2		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
3		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46
4		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	41
5		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG2J1

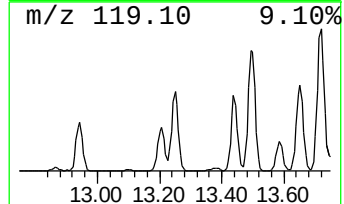
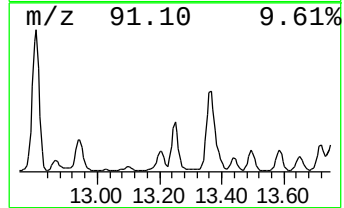
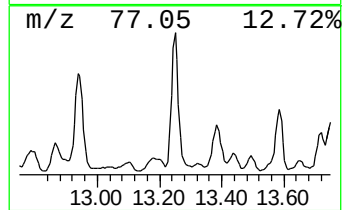
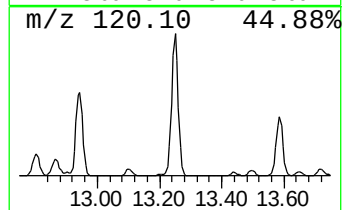
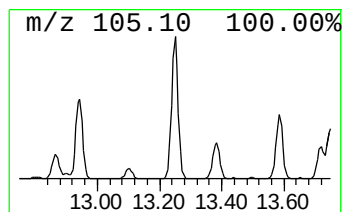
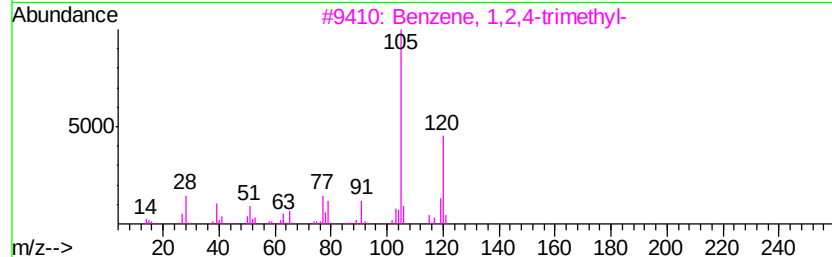
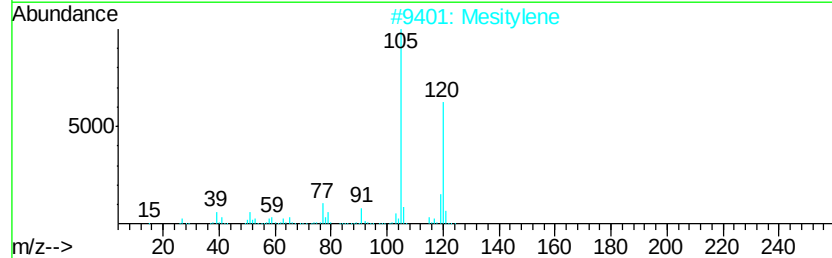
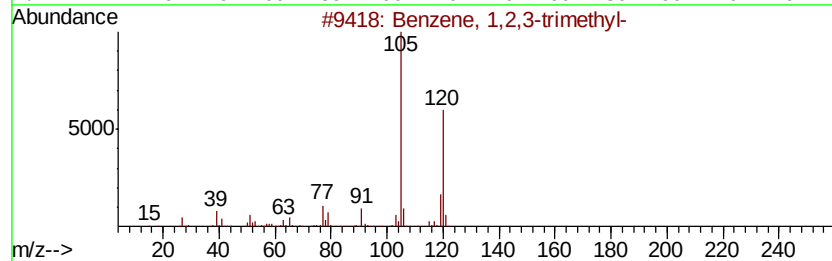
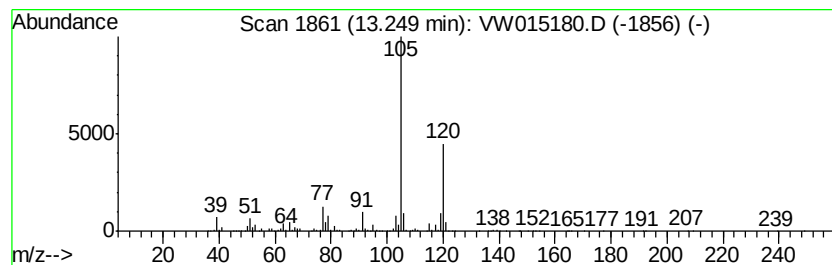
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Quant Title : VOC Analysis

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

Peak Number 45 Mesitylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	106.30 ug/L	7810490	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

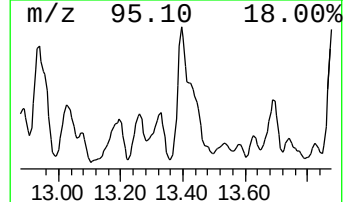
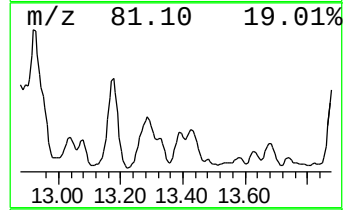
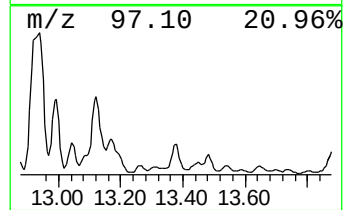
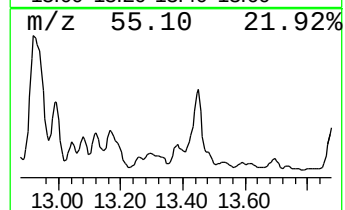
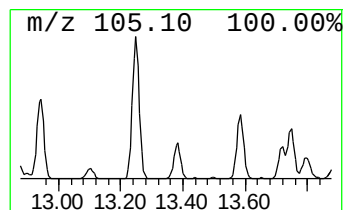
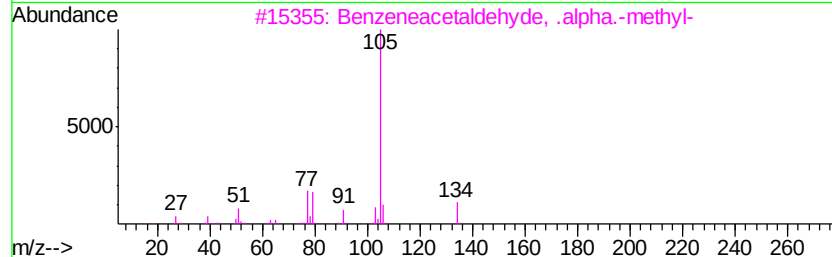
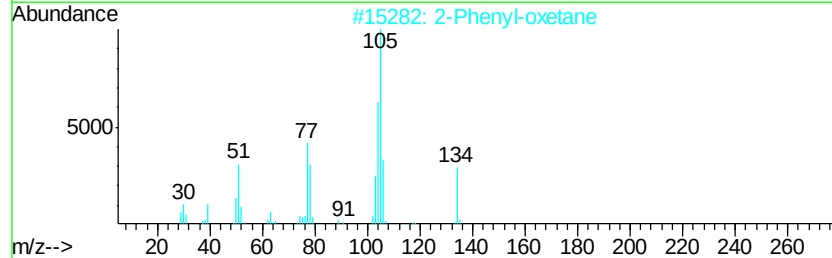
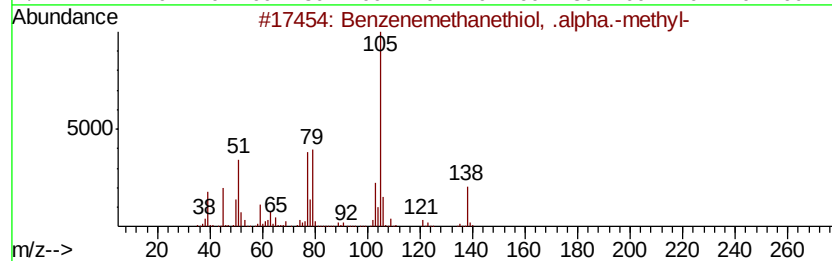
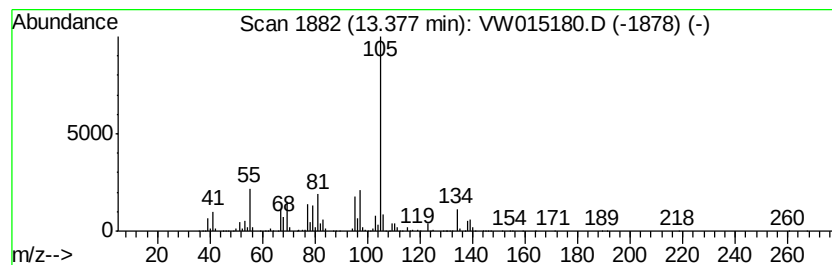
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Quant Title : VOC Analysis

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

Peak Number 46 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	51.81 ug/L	3806920	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	25
2		2-Phenyl-oxetane	134	C9H10O	1000145-26-5	25
3		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	25
4		2,6-Dibromo-4-nitrophenyl-.beta....	427	C15H11Br2NO4	040123-56-6	22
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

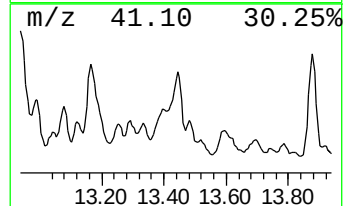
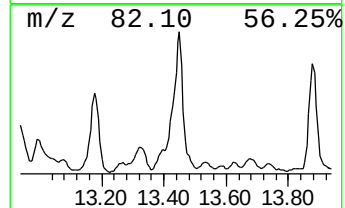
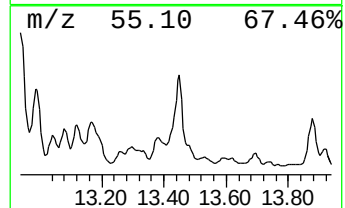
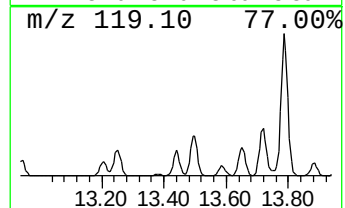
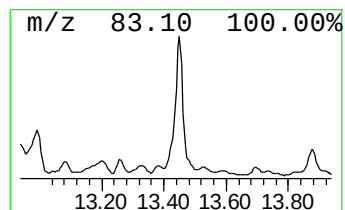
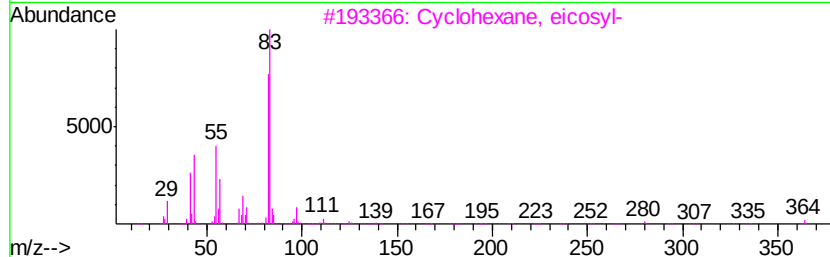
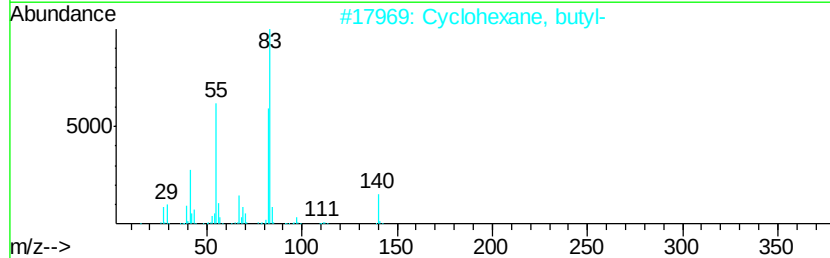
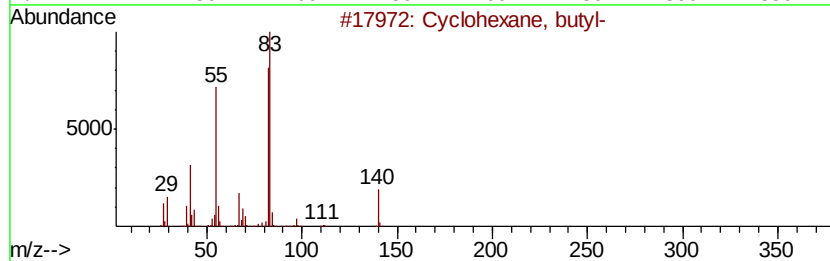
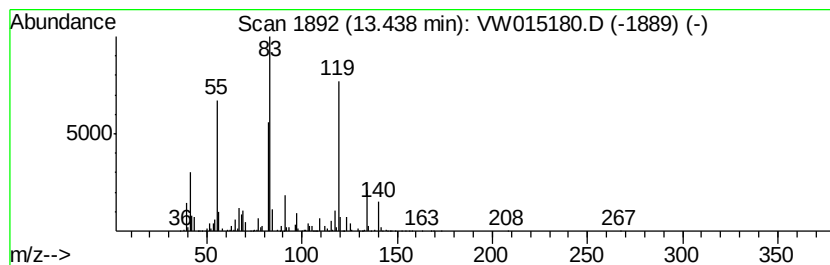
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Cyclic13.44 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	54.41 ug/L	3997490	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	58
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	52
3		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	47
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	47
5		1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

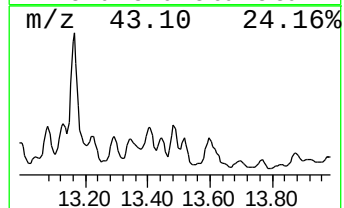
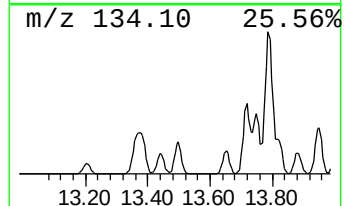
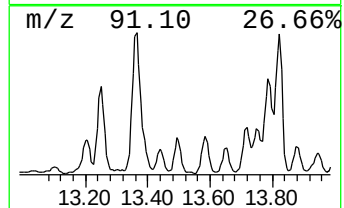
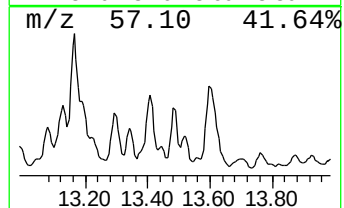
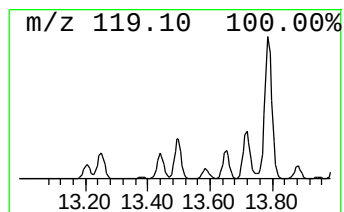
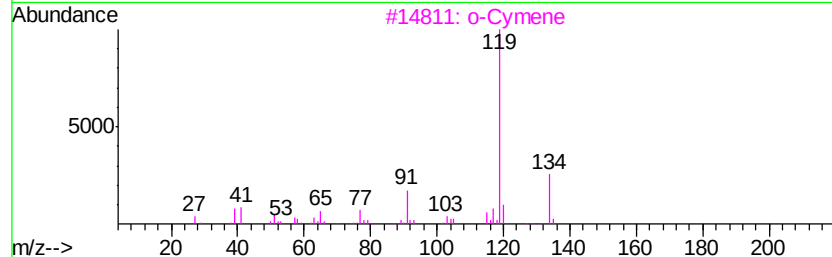
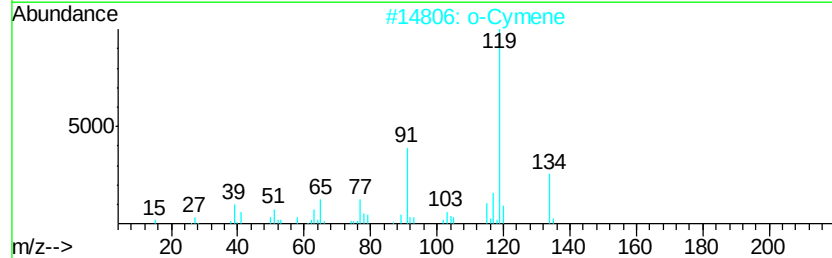
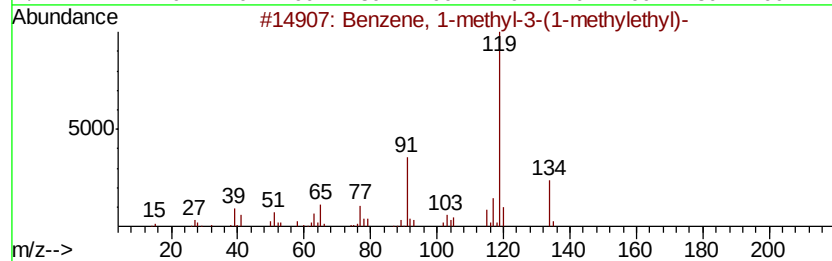
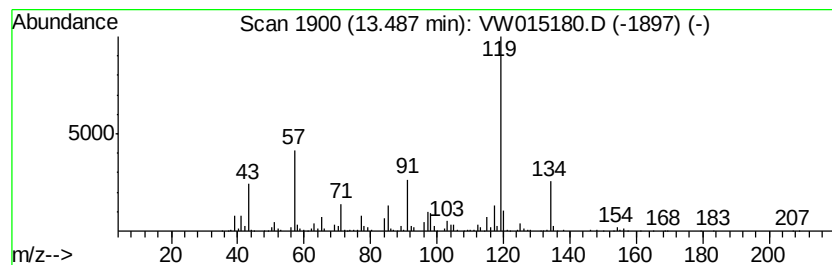
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 48 Benzene, 1-methyl-3-(1-meth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	24.21 ug/L	1779020	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-3-(1-methylethyl)-	134 C10H14	000535-77-3	93
2	o-Cymene	134 C10H14	000527-84-4	93
3	o-Cymene	134 C10H14	000527-84-4	93
4	p-Cymene	134 C10H14	000099-87-6	93
5	o-Cymene	134 C10H14	000527-84-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

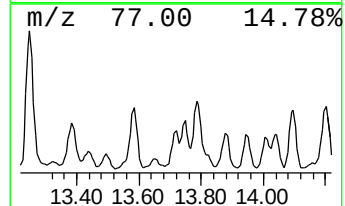
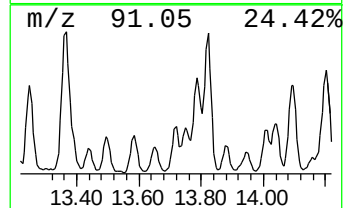
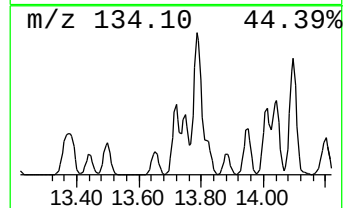
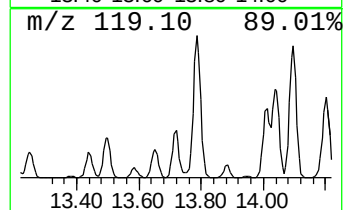
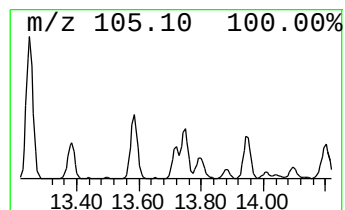
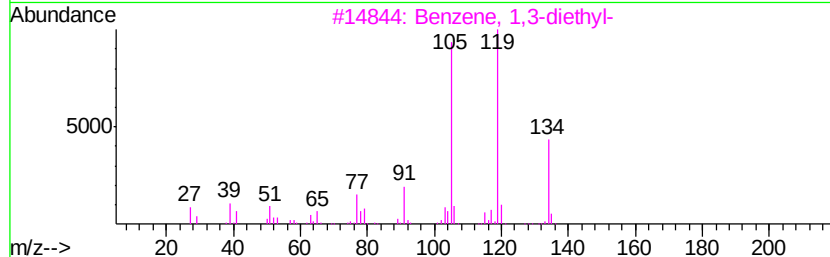
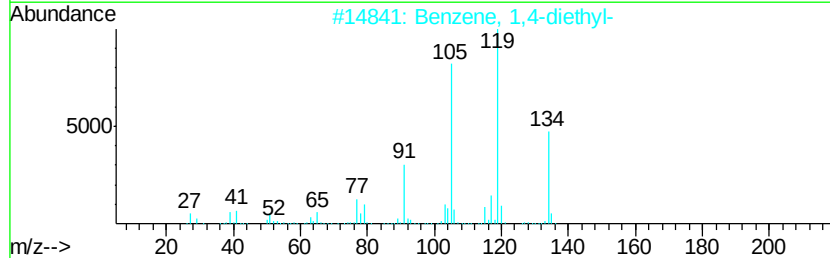
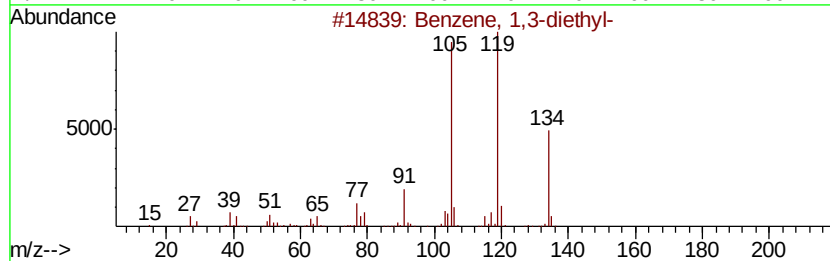
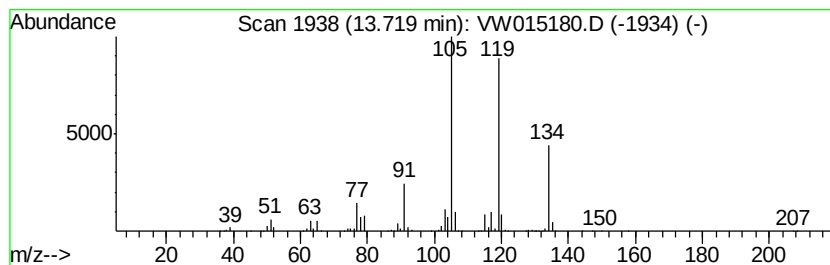
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Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1,3-diethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	17.18 ug/L	1262480	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

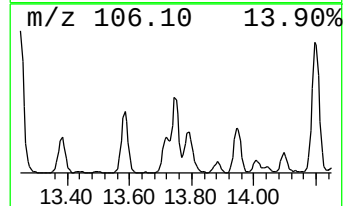
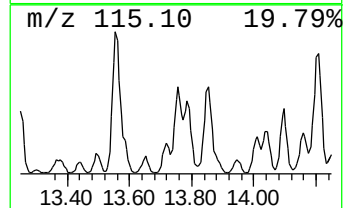
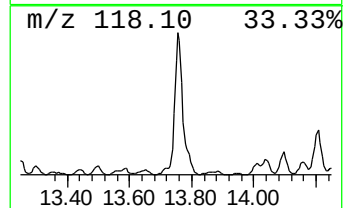
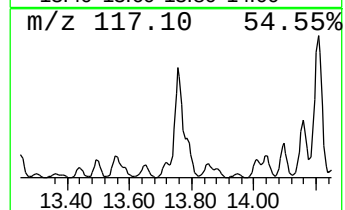
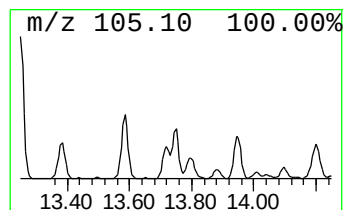
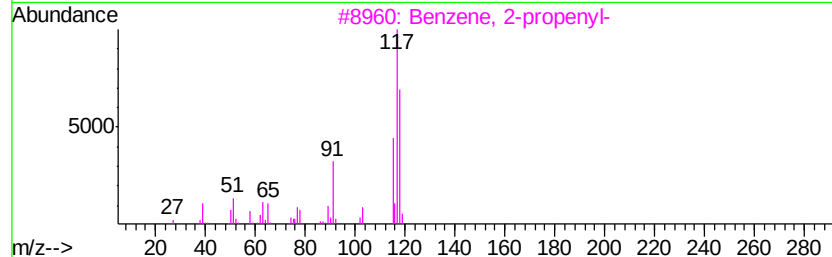
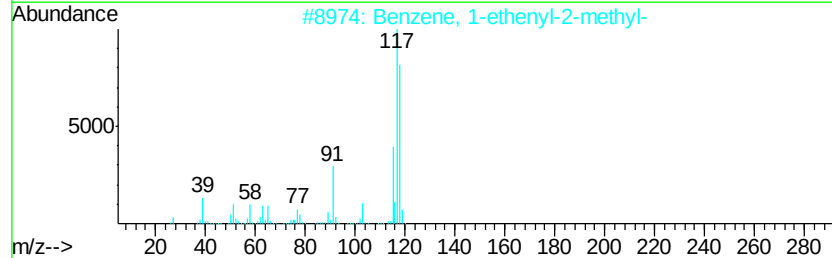
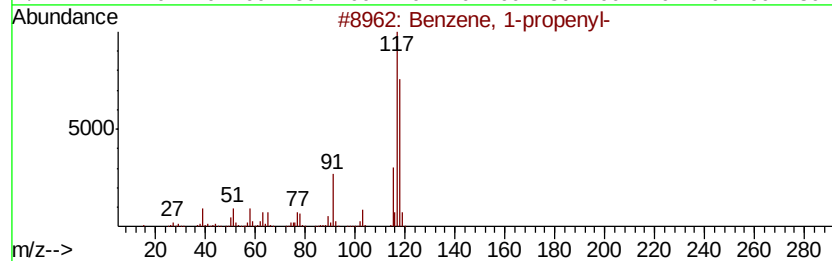
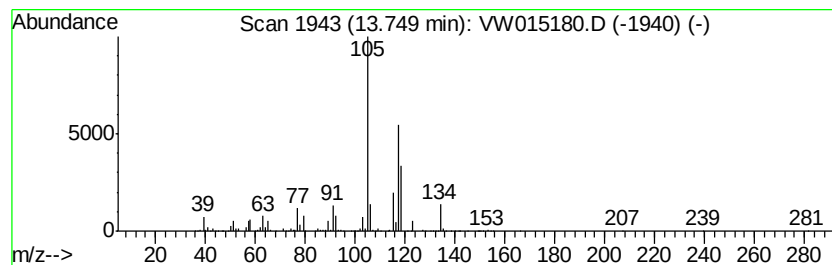
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Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 1-propenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	29.42 ug/L	2161560	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	43
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	43
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

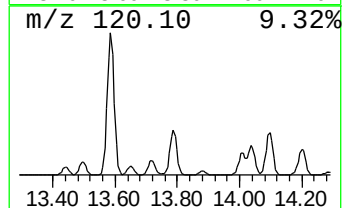
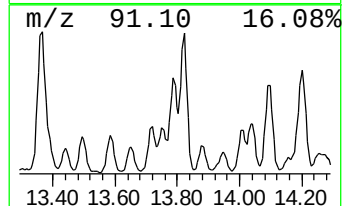
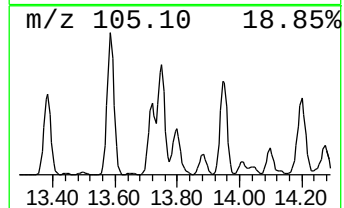
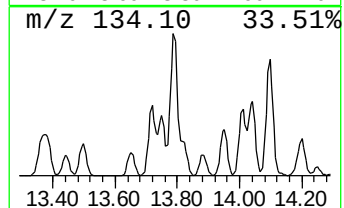
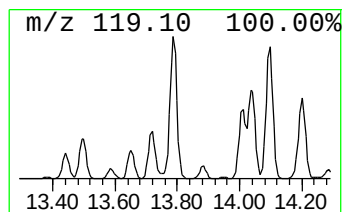
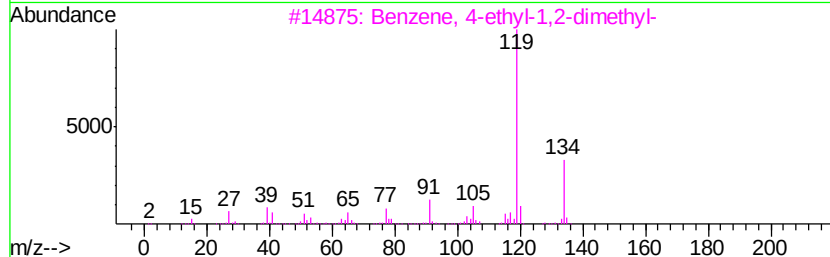
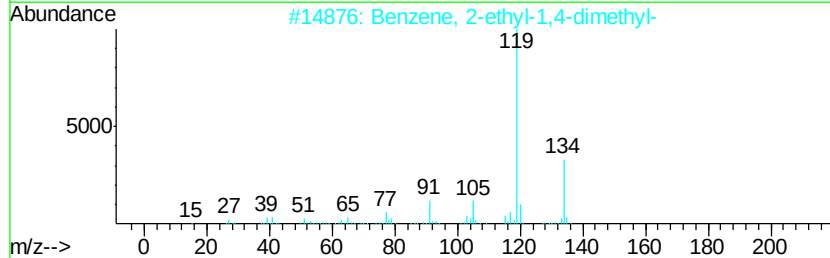
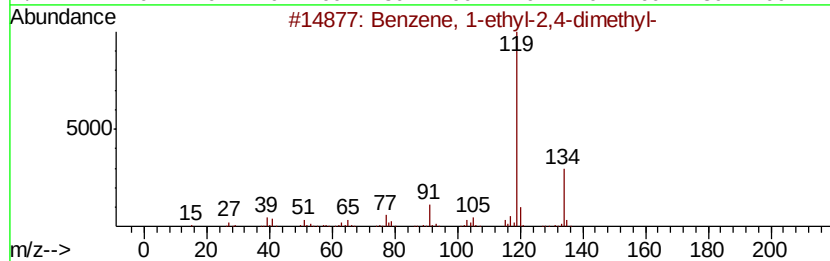
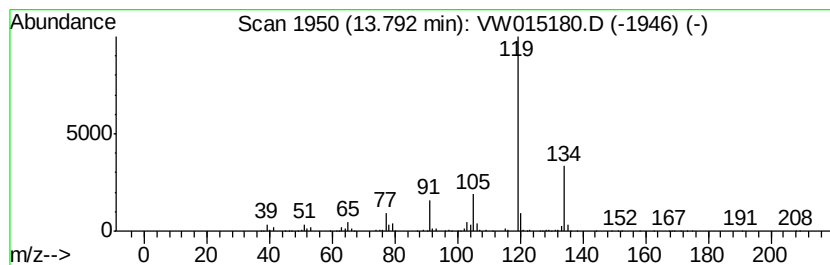
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Quant Title : VOC Analysis

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

Peak Number 51 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	47.52 ug/L	3491940	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

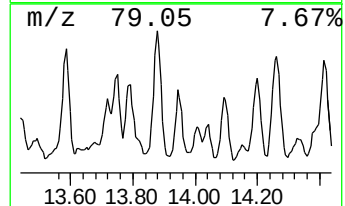
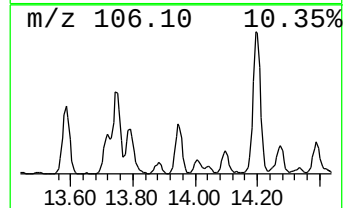
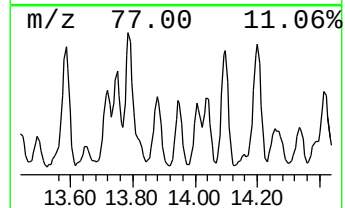
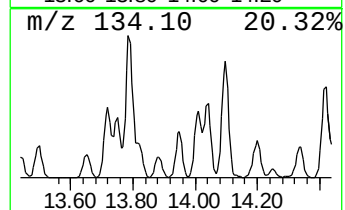
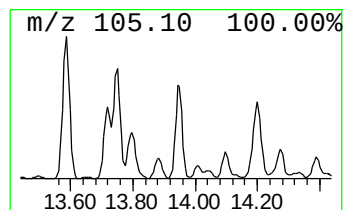
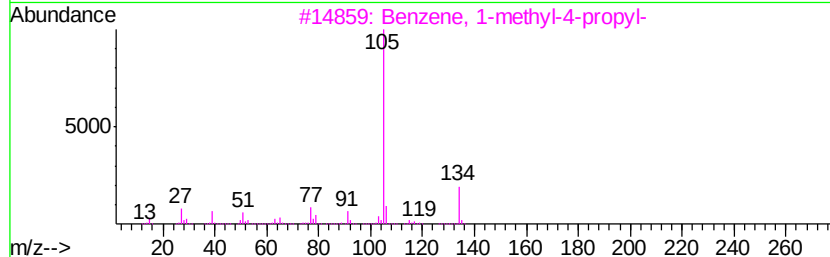
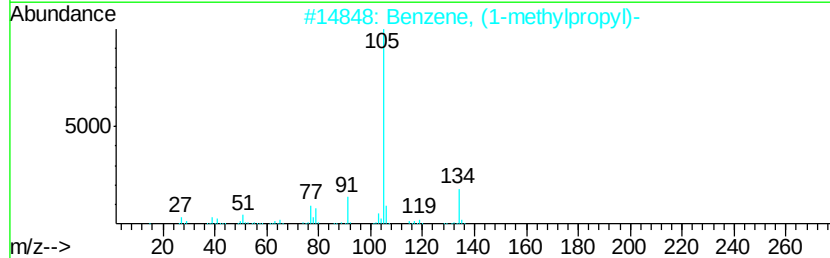
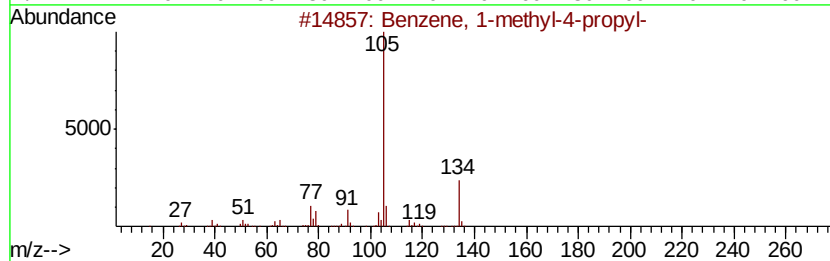
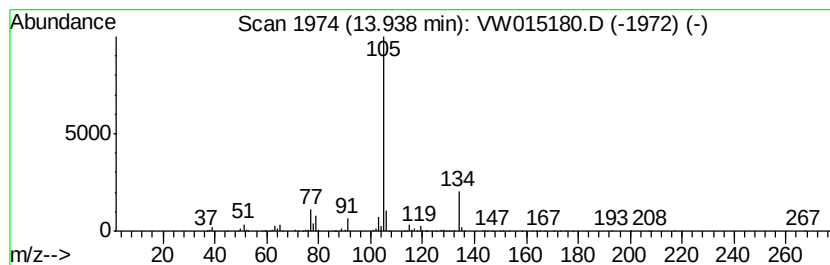
Instrument :
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ClientSampleId :
BG2J1

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Quant Title : VOC Analysis

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

Peak Number 52 Benzene, (1-methylpropyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	12.52 ug/L	919594	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	91
2	Benzene, (1-methylpropyl)-	134 C10H14	000135-98-8	91
3	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91
5	Benzene, 1-methyl-3-propyl-	134 C10H14	001074-43-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

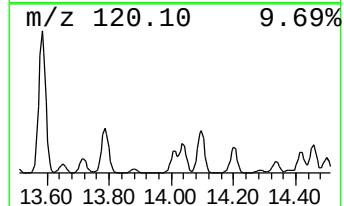
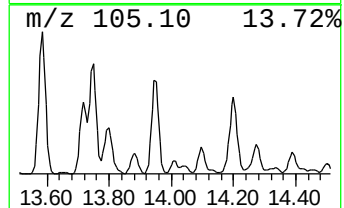
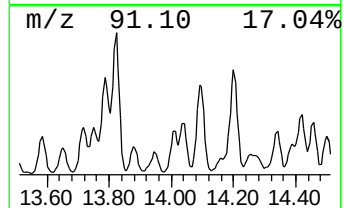
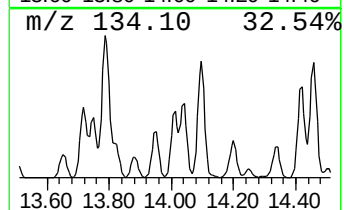
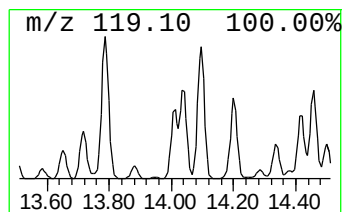
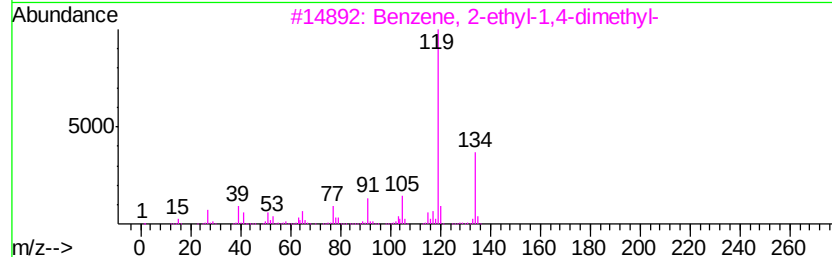
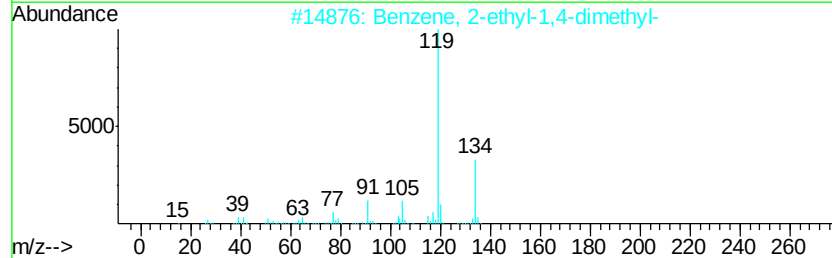
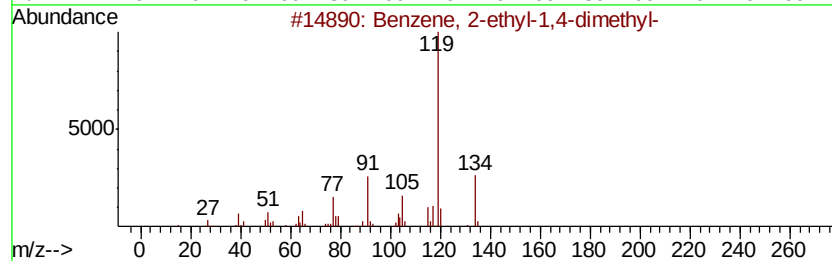
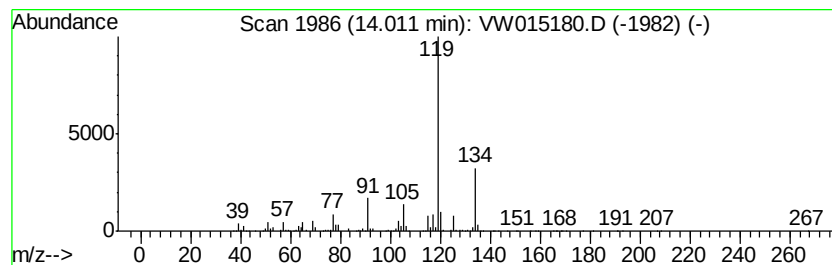
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Quant Title : VOC Analysis

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

Peak Number 53 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	23.92 ug/L	1757800	1,4-Dichlorobenzene-d4	13.55

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

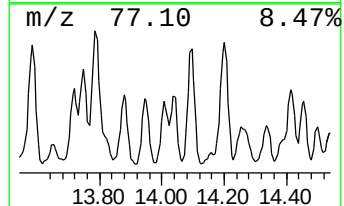
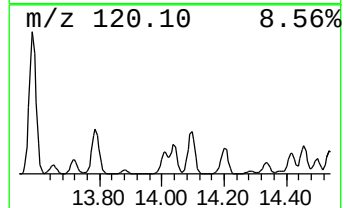
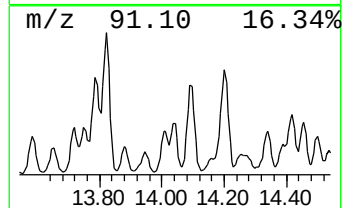
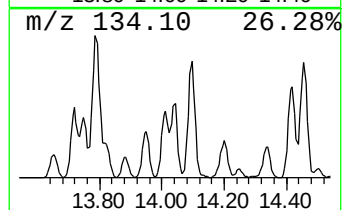
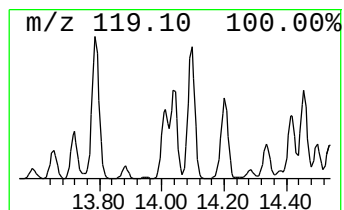
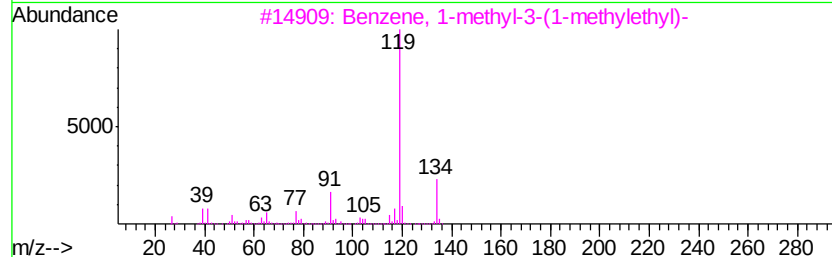
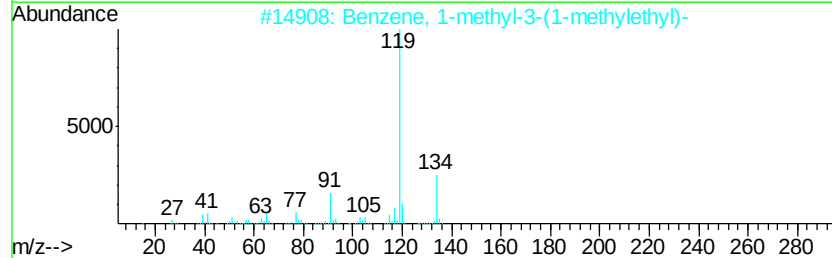
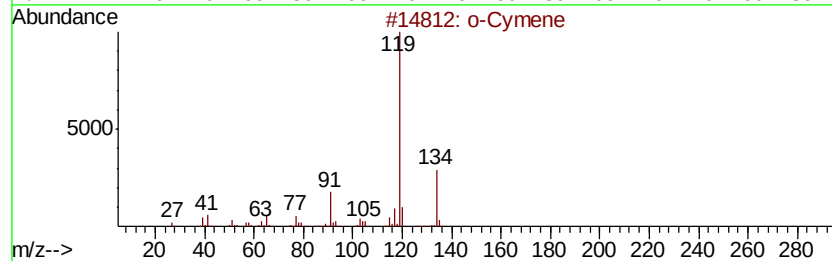
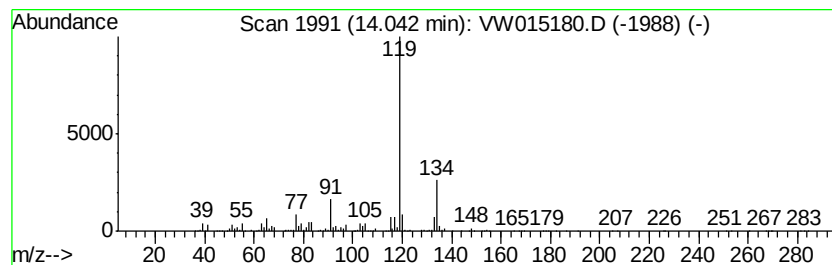
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Quant Title : VOC Analysis

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

Peak Number 54 o-Cymene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	28.31 ug/L	2080430	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

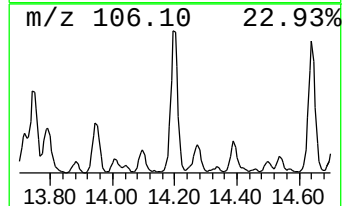
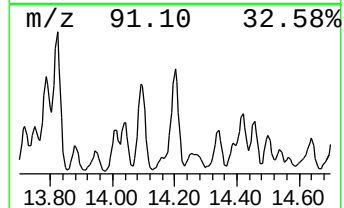
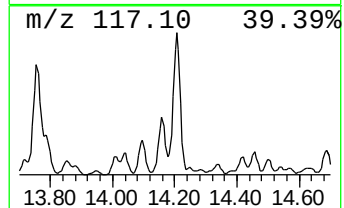
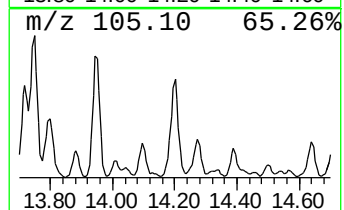
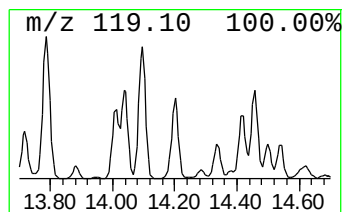
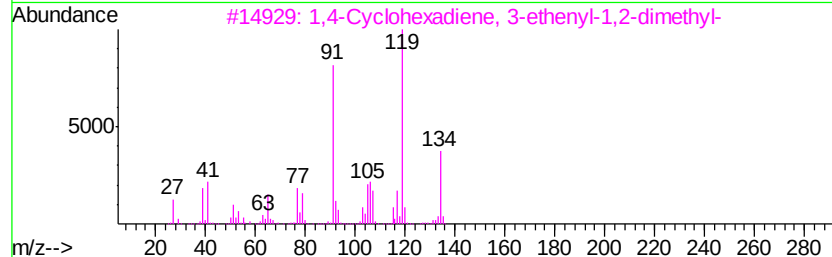
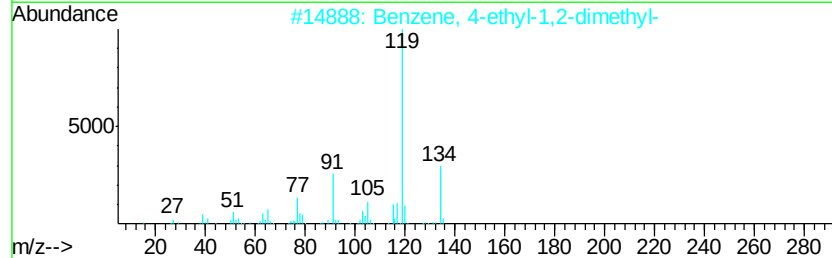
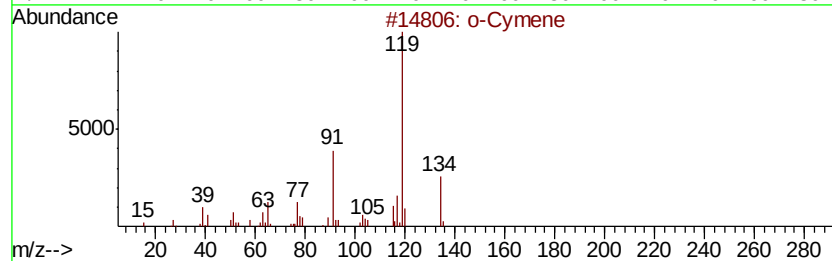
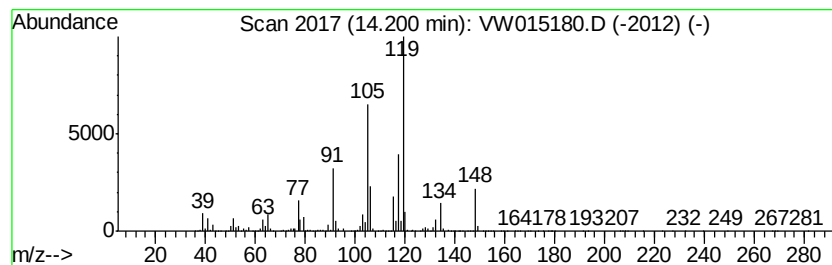
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 56 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.20	70.17 ug/L	5156020	1,4-Dichlorobenzene-d4	13.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	53
3	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	52
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

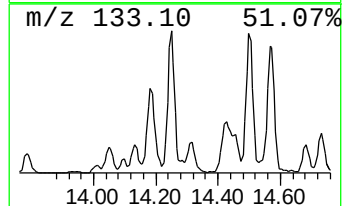
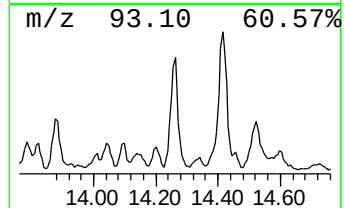
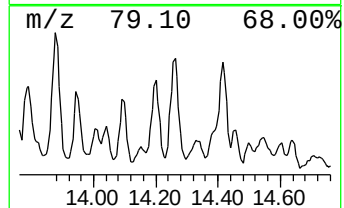
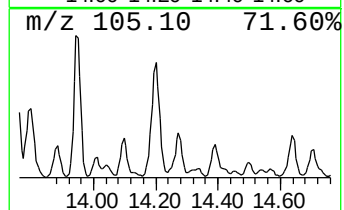
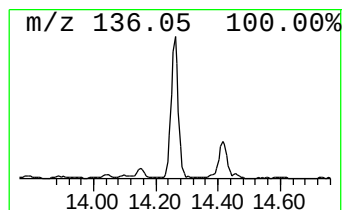
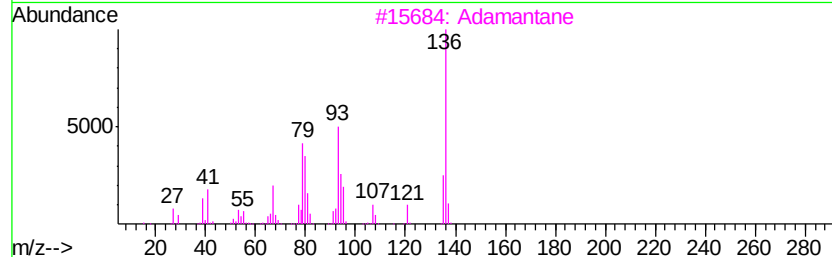
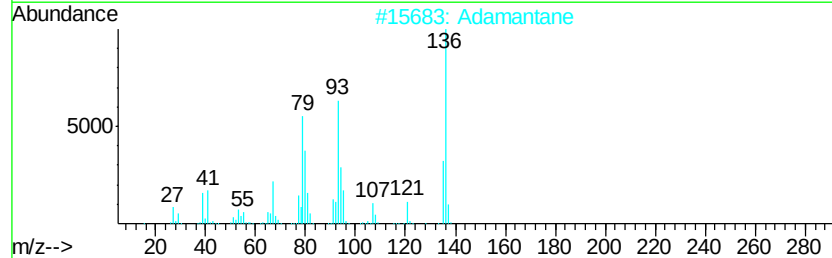
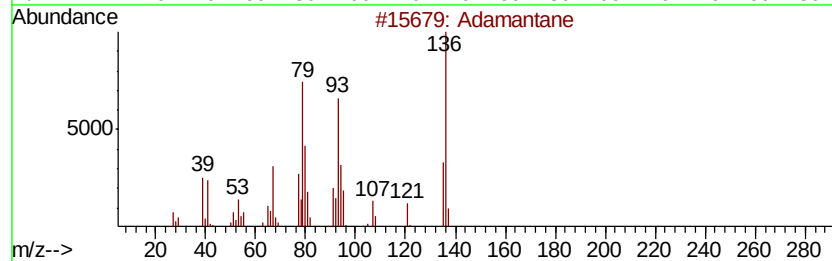
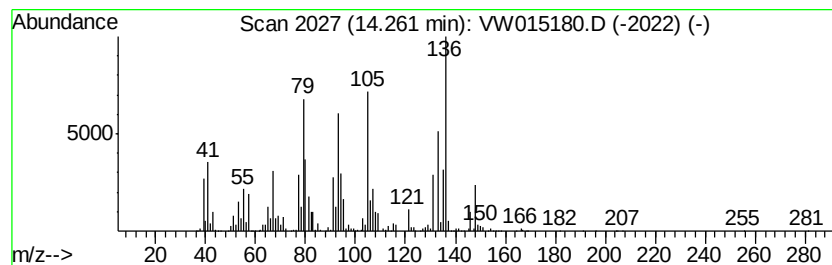
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Quant Title : VOC Analysis

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

Peak Number 57 Adamantane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	31.00 ug/L	2277770	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane	136	C10H16	000281-23-2	95
2		Adamantane	136	C10H16	000281-23-2	90
3		Adamantane	136	C10H16	000281-23-2	45
4		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	38
5		Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

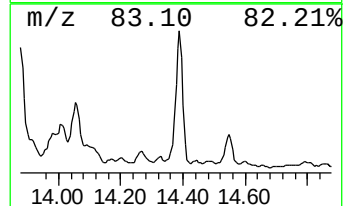
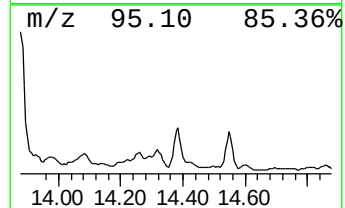
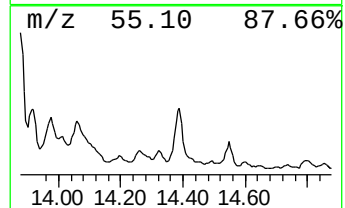
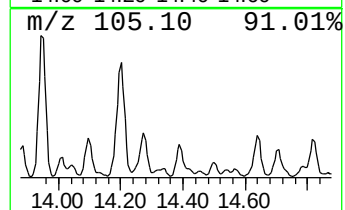
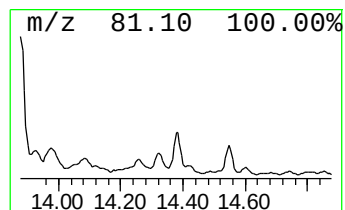
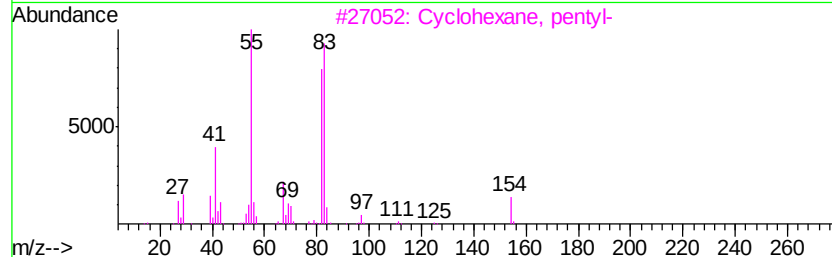
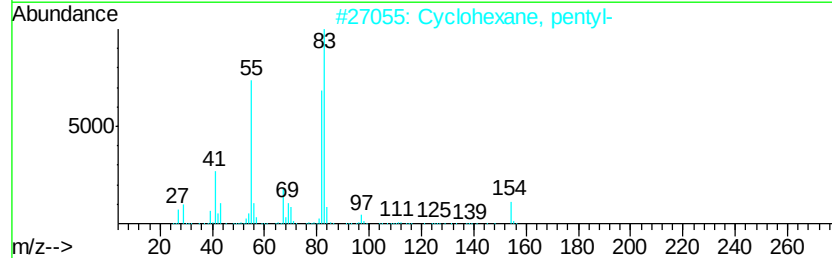
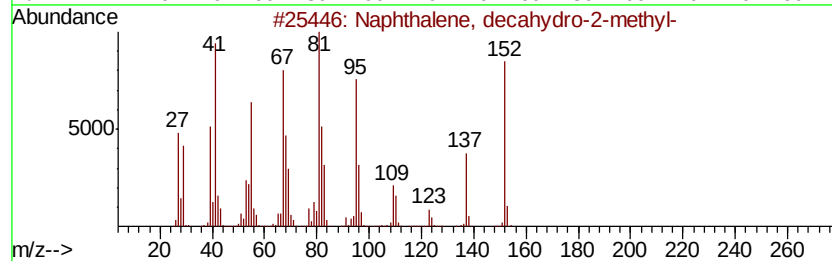
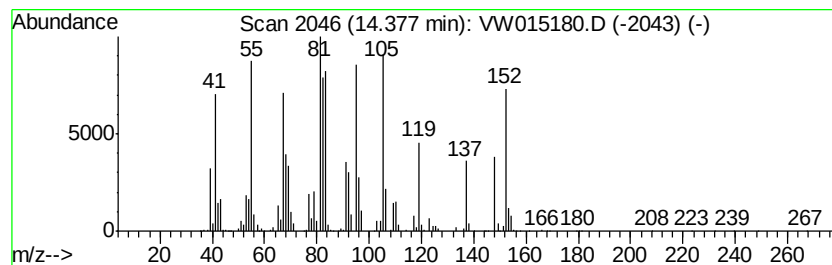
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 59 Naphthalene, decahydro-2-me... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	25.65 ug/L	1884770	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	38
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG2J1

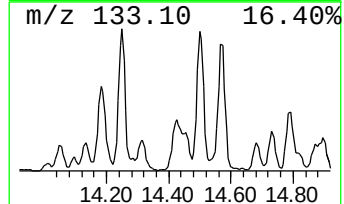
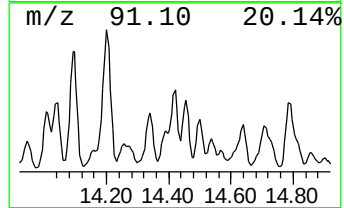
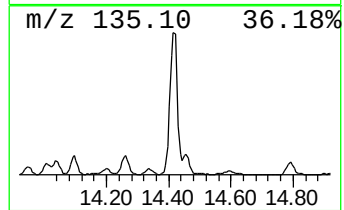
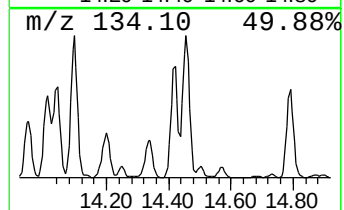
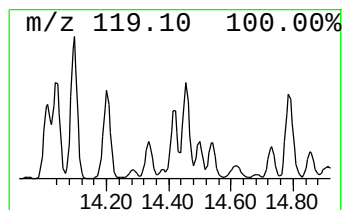
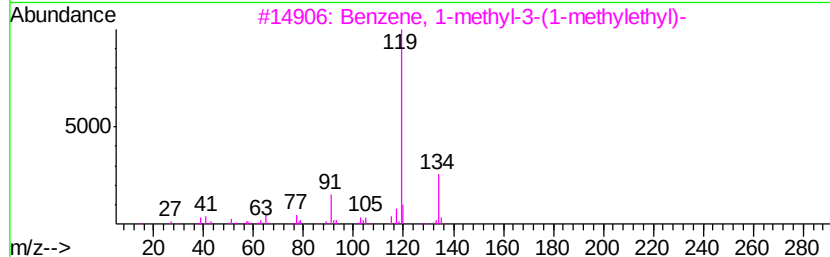
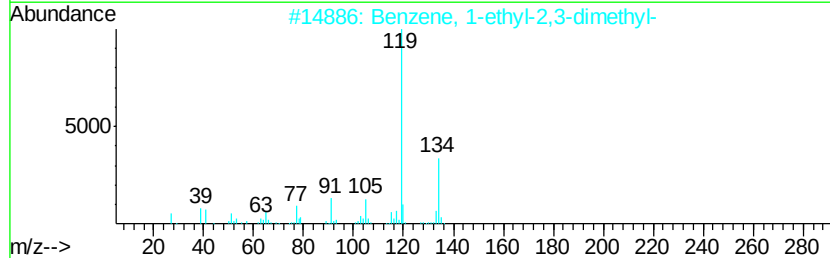
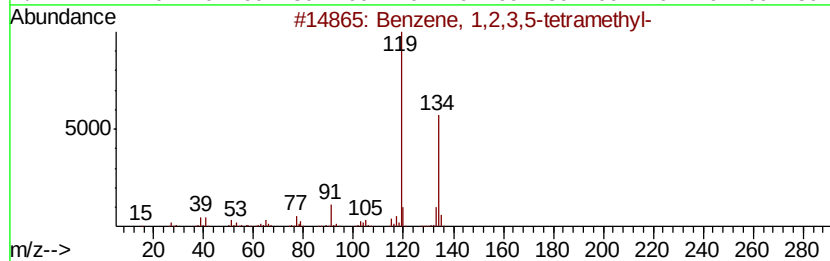
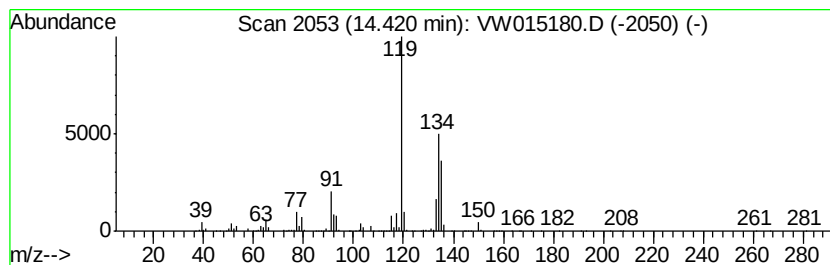
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Quant Title : VOC Analysis

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

Peak Number 60 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	33.51 ug/L	2462030	1,4-Dichlorobenzene-d4	13.55

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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	87
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

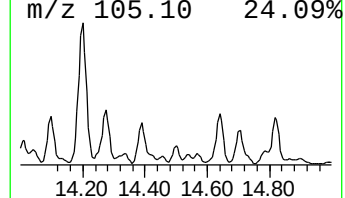
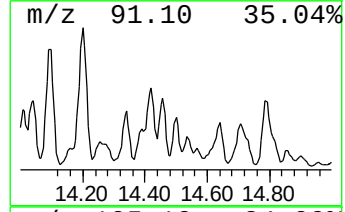
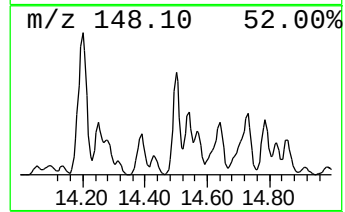
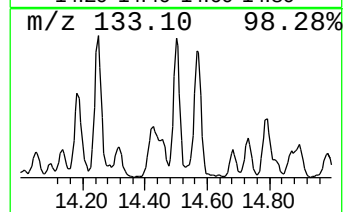
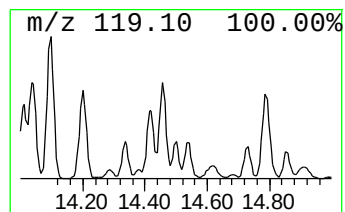
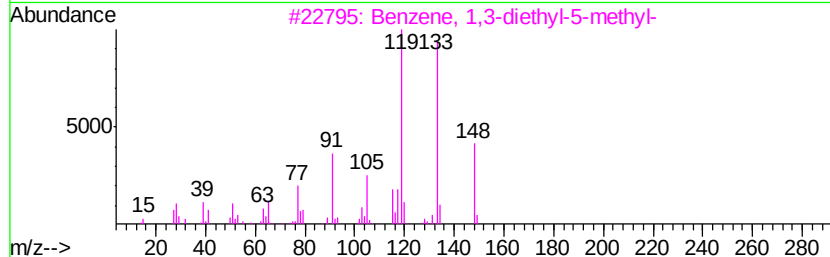
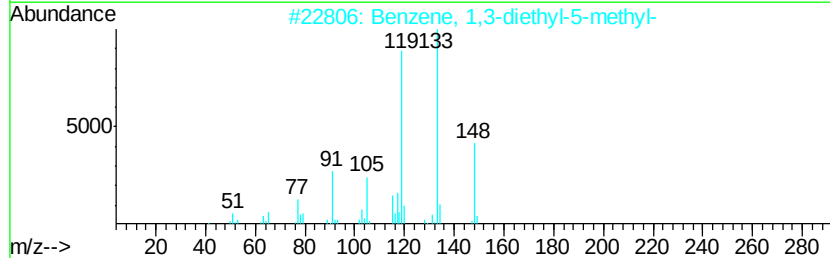
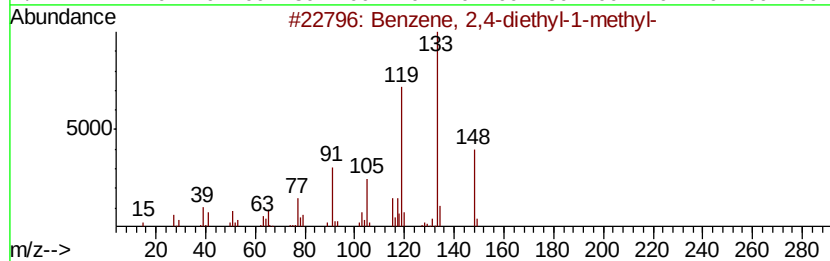
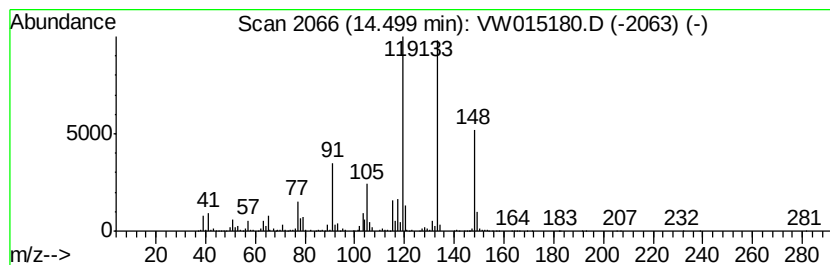
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 62 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	16.90 ug/L	1242010	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2,4-diethyl-1-methyl-	148 C11H16	001758-85-6 94
2		Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0 94
3		Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0 94
4		Benzene, 1-ethyl-2,4,5-trimethyl-	148 C11H16	017851-27-3 70
5		Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5 62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

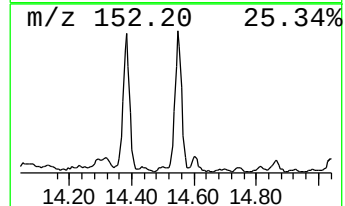
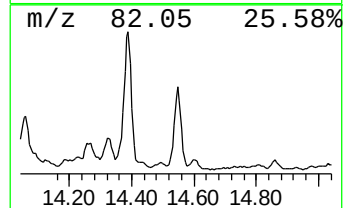
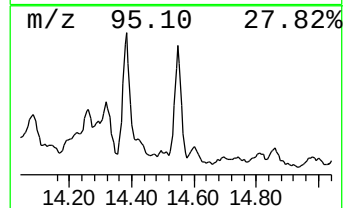
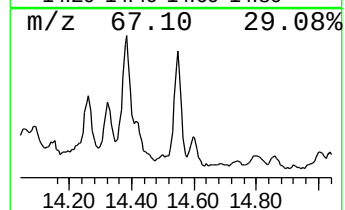
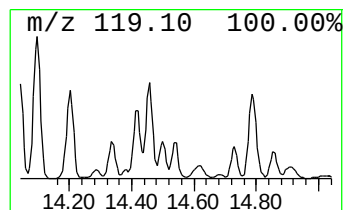
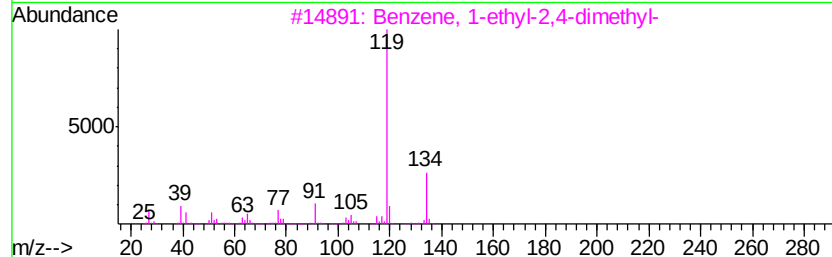
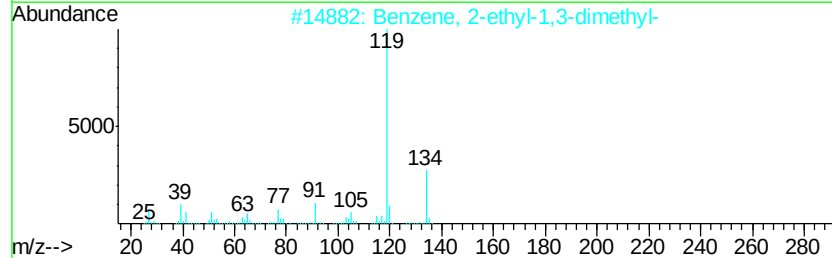
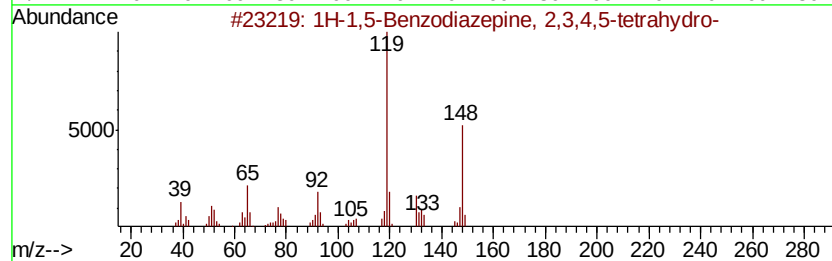
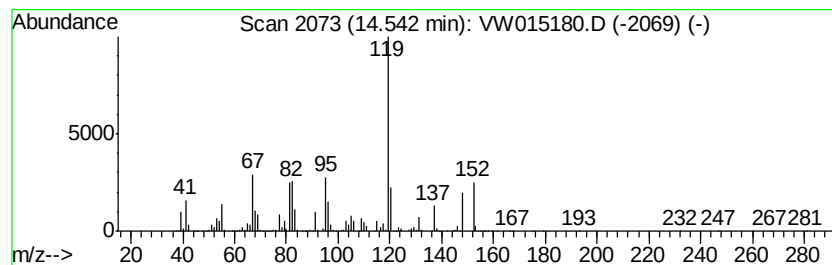
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 63 unknown-05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	29.40 ug/L	2159920	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-1,5-Benzodiazepine, 2,3,4,5-t...	148 C9H12N2	006516-89-8 43
2		Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4 27
3		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 27
4		Benzene, 1,1'-(1,1,2,2-tetrameth...	238 C18H22	001889-67-4 27
5		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

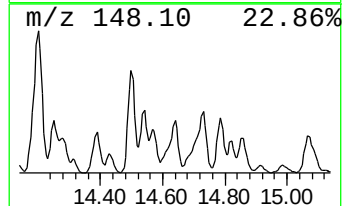
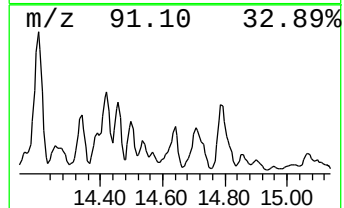
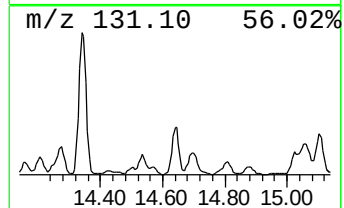
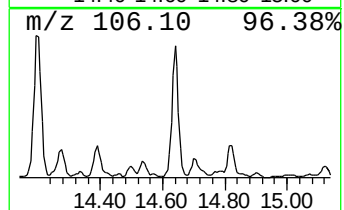
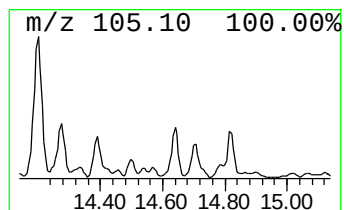
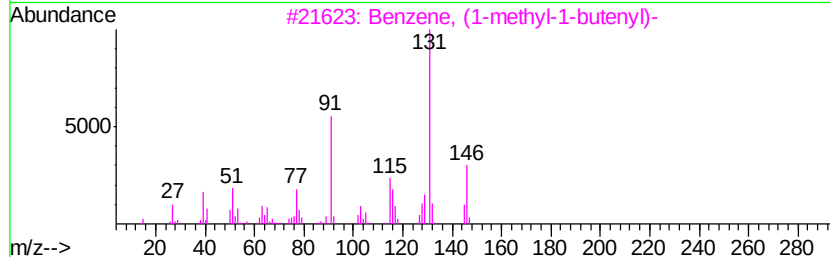
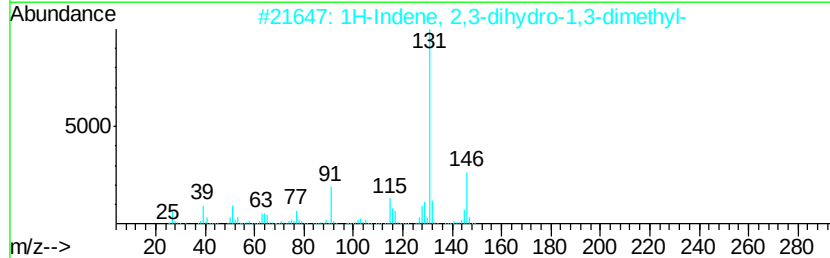
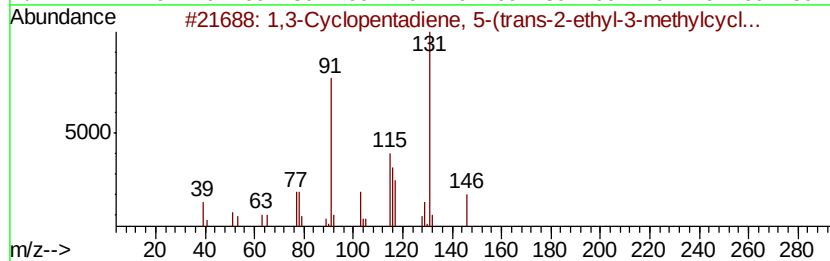
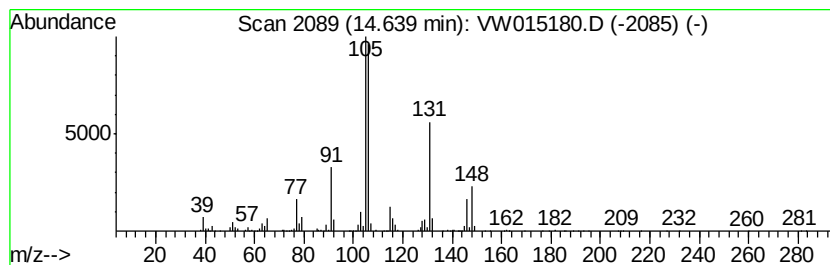
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 64 unknown-06 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	17.16 ug/L	1260950	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3-Cyclopentadiene, 5-(trans-2-...	146 C11H14	079209-36-2	38
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5	38
3	Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2	30
4	Benzene, 1-methyl-4-(1-methyl-2-...	146 C11H14	097664-18-1	30
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146 C11H14	027087-54-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

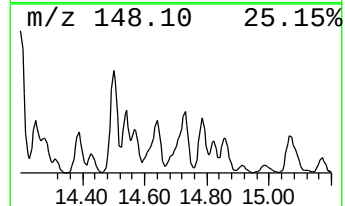
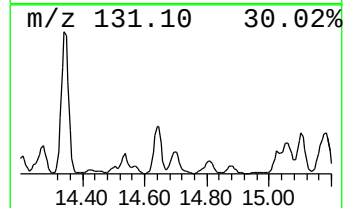
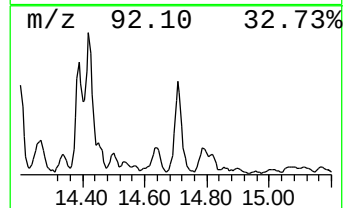
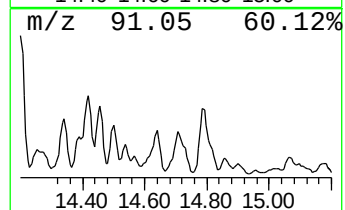
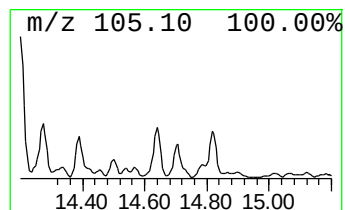
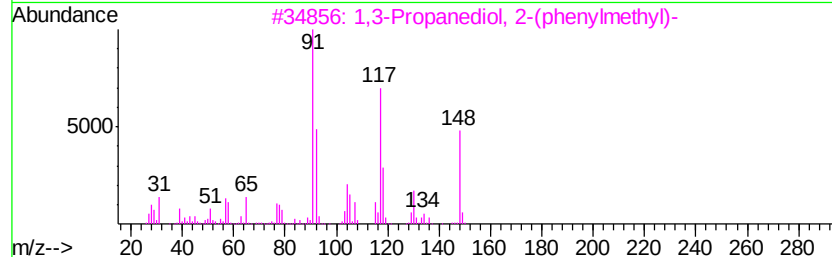
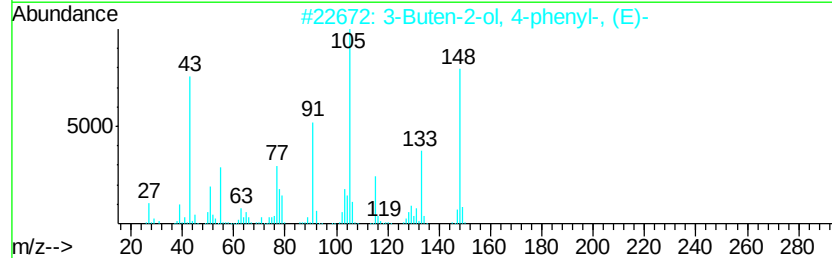
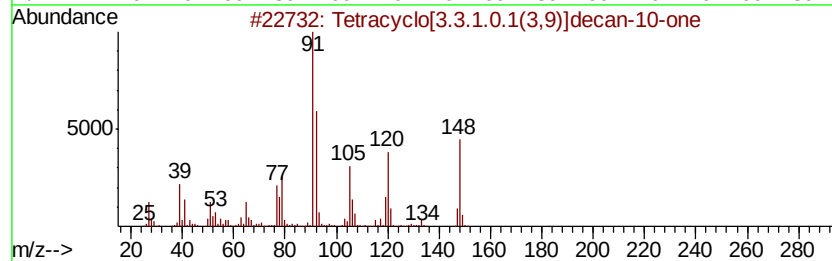
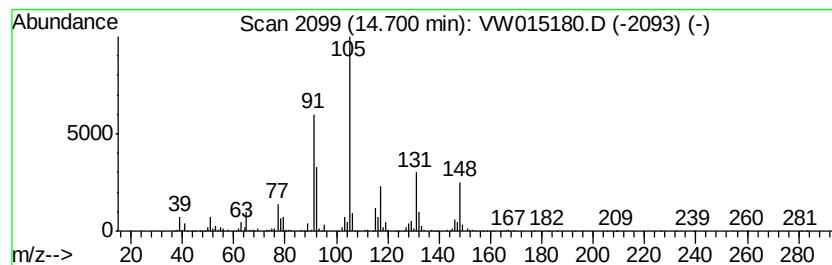
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
Quant Title : VOC Analysis

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

Peak Number 65 unknown-07 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	11.27 ug/L	827981	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetracyclo[3.3.1.0.1(3,9)]decan-...	148 C10H12O	016492-06-1 41
2		3-Buten-2-ol, 4-phenyl-, (E)-	148 C10H12O	1000163-70-9 38
3		1,3-Propanediol, 2-(phenylmethyl)-	166 C10H14O2	002612-30-8 38
4		Benzene, pentyl-	148 C11H16	000538-68-1 25
5		3-Buten-2-ol, 4-phenyl-	148 C10H12O	017488-65-2 25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

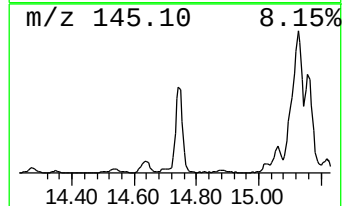
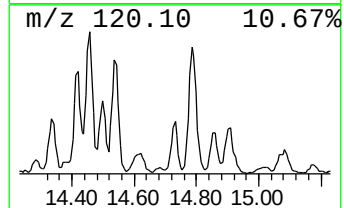
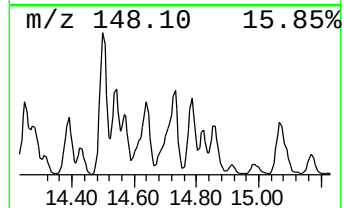
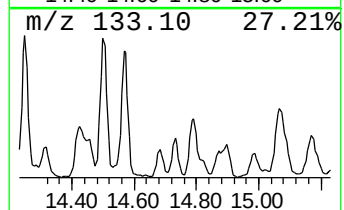
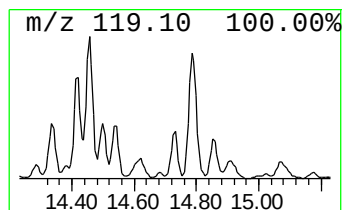
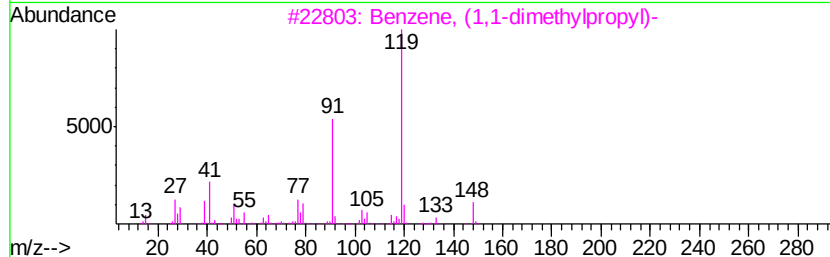
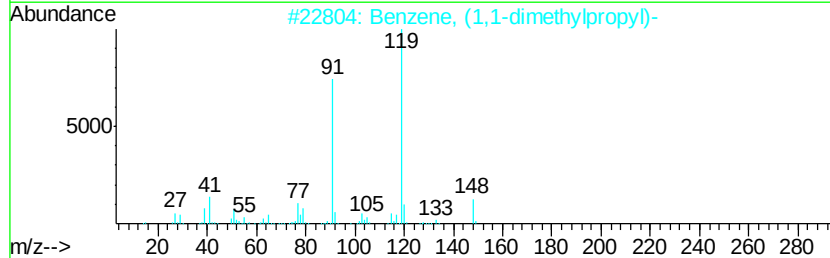
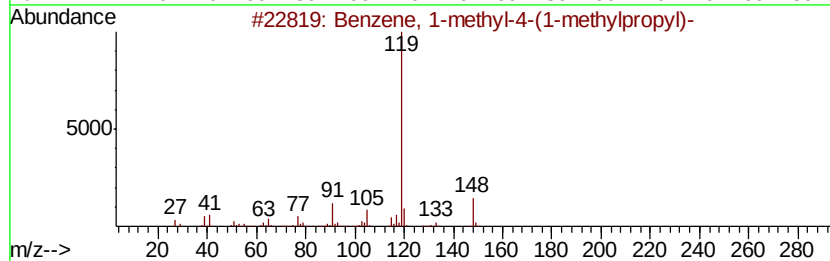
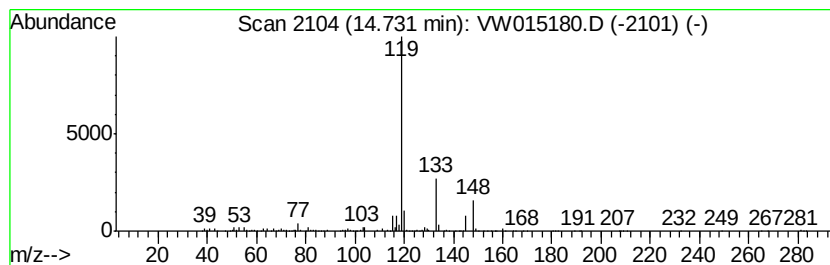
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Quant Title : VOC Analysis

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

Peak Number 66 Benzene, 1-methyl-4-(1-meth... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	11.98 ug/L	880216	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

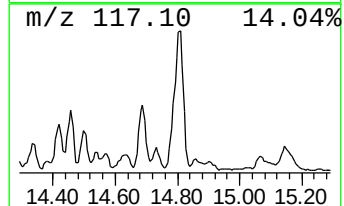
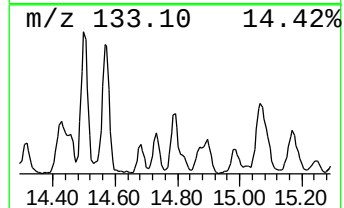
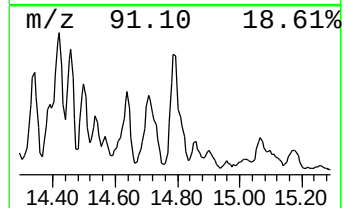
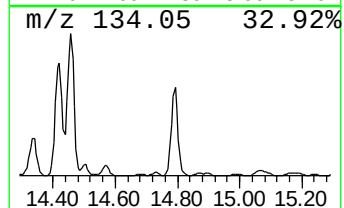
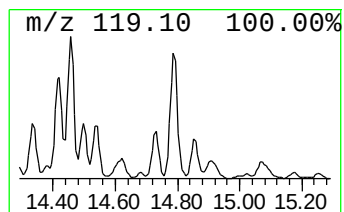
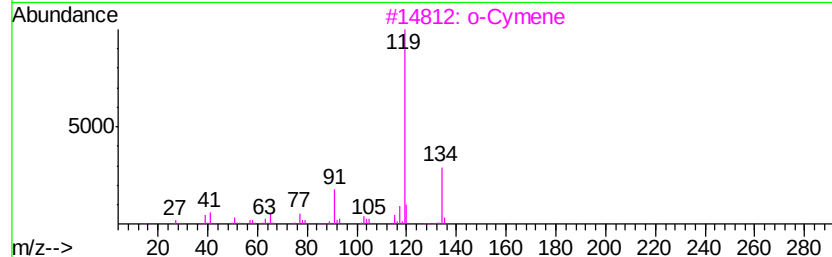
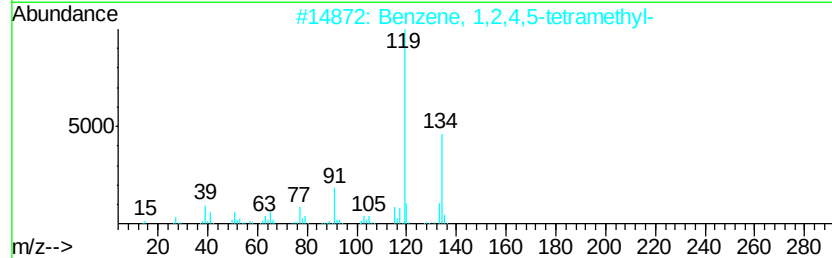
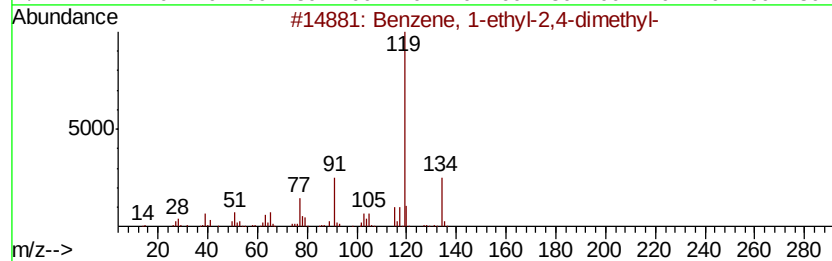
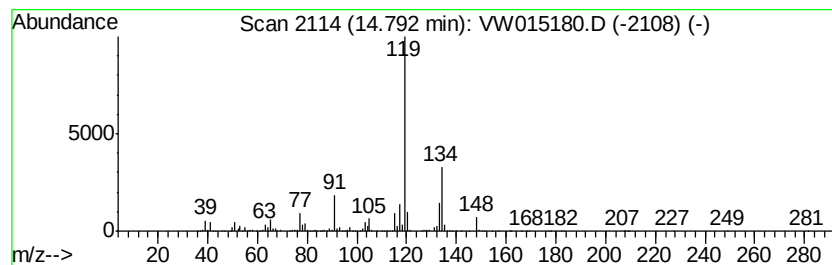
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Quant Title : VOC Analysis

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

Peak Number 67 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	51.43 ug/L	3778920	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3		o-Cymene	134	C10H14	000527-84-4	93
4		p-Cymene	134	C10H14	000099-87-6	93
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041020\
Data File : VW015180.D
Acq On : 10 Apr 2020 14:50
Operator : SY/VA
Sample : L2176-05
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

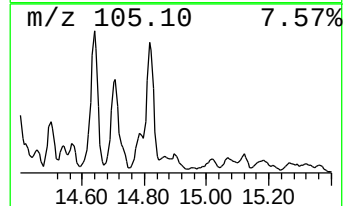
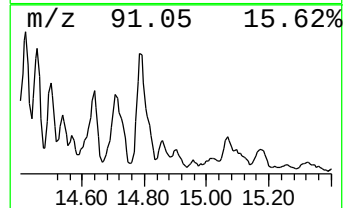
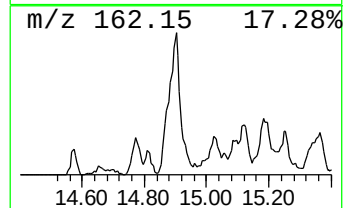
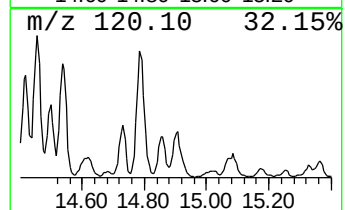
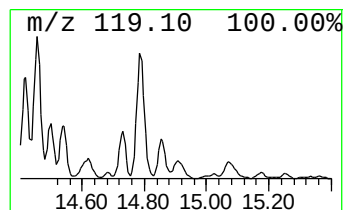
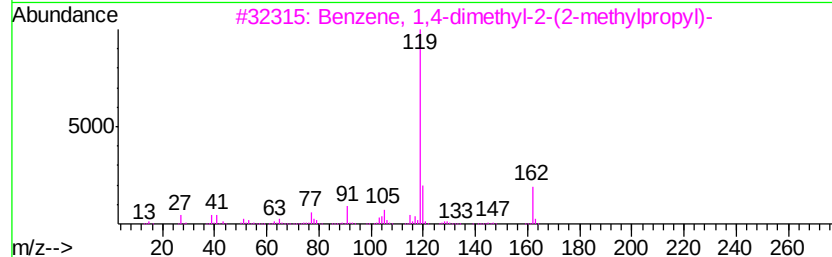
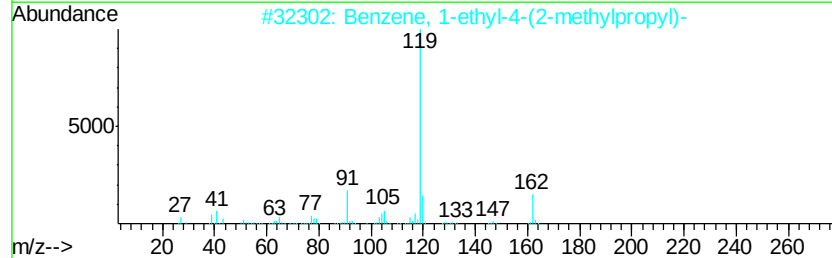
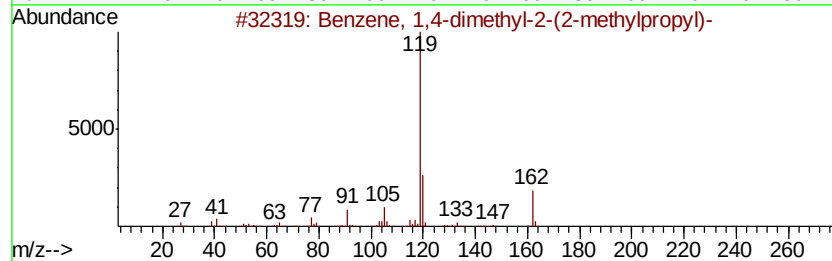
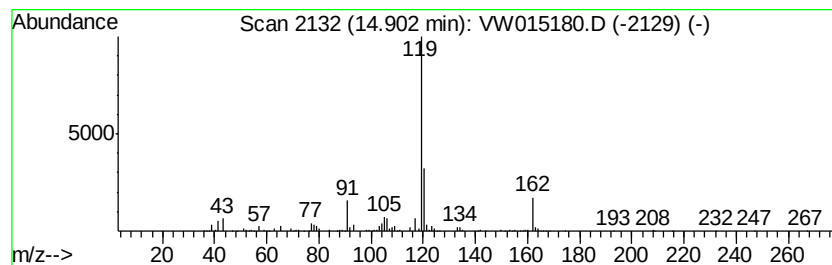
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Quant Title : VOC Analysis

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

Peak Number 69 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	6.99 ug/L	513625	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-dimethyl-2-(2-methylpropyl)-	162	C12H18	055669-88-0	90
2		Benzene, 1-ethyl-4-(2-methylpropyl)-	162	C12H18	100319-40-2	80
3		Benzene, 1,4-dimethyl-2-(2-methylpropyl)-	162	C12H18	055669-88-0	64
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	59
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	59



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041020\
 Data File : VW015180.D
 Acq On : 10 Apr 2020 14:50
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1,1-Diisobutoxy-b...	6.90	2.5	ug/L	341028	1	8.84	3347450	25.0
(DEL) Alkane: Str...	8.03	3.8	ug/L	502652	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	8.22	2.8	ug/L	379581	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	8.43	9.2	ug/L	1229720	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	8.51	7.3	ug/L	973079	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	8.57	12.6	ug/L	1685160	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	9.51	5.4	ug/L	719238	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	9.61	18.5	ug/L	2477680	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	9.75	21.2	ug/L	2835470	1	8.84	3347450	25.0
(DEL) Alkane: Str...	9.90	7.5	ug/L	1001230	1	8.84	3347450	25.0
Butanoic acid, 2-...	9.95	3.7	ug/L	491619	1	8.84	3347450	25.0
(DEL) Alkane: Str...	10.08	8.4	ug/L	1122090	1	8.84	3347450	25.0
(DEL) Alkane: Str...	10.12	6.7	ug/L	901201	1	8.84	3347450	25.0
(DEL) Alkane: Cyc...	10.24	5.7	ug/L	879213	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	10.45	3.8	ug/L	579062	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	10.49	33.7	ug/L	5179690	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	10.66	50.0	ug/L	7678710	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	10.76	24.7	ug/L	3795510	2	11.63	3843430	25.0
(DEL) Alkane: Str...	10.85	5.5	ug/L	844062	2	11.63	3843430	25.0
(DEL) Alkane: Str...	11.04	7.8	ug/L	1197430	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.11	6.9	ug/L	1058680	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.18	38.2	ug/L	5872620	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.23	43.5	ug/L	6691290	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.28	6.7	ug/L	1027250	2	11.63	3843430	25.0
(DEL) Alkane: Str...	11.34	12.6	ug/L	1934950	2	11.63	3843430	25.0
(DEL) Alkane: Str...	11.38	2.8	ug/L	427918	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.43	29.3	ug/L	4501560	2	11.63	3843430	25.0
(DEL) Alkane: Str...	11.51	4.5	ug/L	698336	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.91	28.6	ug/L	4397940	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	11.97	5.8	ug/L	891418	2	11.63	3843430	25.0
Cyclohexene, 1-et...	12.04	23.0	ug/L	3537910	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	12.30	33.0	ug/L	5071340	2	11.63	3843430	25.0
Cyclooctene, 3-me...	12.34	67.2	ug/L	10332600	2	11.63	3843430	25.0
(DEL) Alkane: Cyc...	12.38	30.0	ug/L	4614220	2	11.63	3843430	25.0
unknown-01	12.62	24.1	ug/L	1769200	3	13.55	1836900	25.0
unknown-02	12.78	151.2	ug/L	11111100	3	13.55	1836900	25.0
(DEL) Alkane: Str...	12.86	65.9	ug/L	4844800	3	13.55	1836900	25.0
Benzene, 1,2,3-tr...	12.94	221.7	ug/L	16290100	3	13.55	1836900	25.0
unknown-03	12.99	24.6	ug/L	1810410	3	13.55	1836900	25.0
(DEL) Alkane: Cyc...	13.04	5.8	ug/L	425996	3	13.55	1836900	25.0
(DEL) Alkane: Str...	13.08	17.9	ug/L	1316250	3	13.55	1836900	25.0
Sulfurous acid, c...	13.12	7.9	ug/L	578312	3	13.55	1836900	25.0
Pentalene, octahy...	13.17	84.8	ug/L	6232900	3	13.55	1836900	25.0
Mesitylene	13.25	106.3	ug/L	7810490	3	13.55	1836900	25.0
unknown-04	13.38	51.8	ug/L	3806920	3	13.55	1836900	25.0
(DEL) Alkane: Cyc...	13.44	54.4	ug/L	3997490	3	13.55	1836900	25.0
Benzene, 1-methyl...	13.49	24.2	ug/L	1779020	3	13.55	1836900	25.0
Benzene, 1,3-diet...	13.72	17.2	ug/L	1262480	3	13.55	1836900	25.0
Benzene, 1-propenyl-	13.75	29.4	ug/L	2161560	3	13.55	1836900	25.0

Benzene, 1-ethyl-...	13.79	47.5 ug/L	3491940	3	13.55	1836900	25.0
Benzene, (1-methy...	13.94	12.5 ug/L	919594	3	13.55	1836900	25.0
Benzene, 2-ethyl-...	14.01	23.9 ug/L	1757800	3	13.55	1836900	25.0
o-Cymene	14.04	28.3 ug/L	2080430	3	13.55	1836900	25.0
1,4-Cyclohexadien...	14.20	70.2 ug/L	5156020	3	13.55	1836900	25.0
Adamantane	14.26	31.0 ug/L	2277770	3	13.55	1836900	25.0
Naphthalene, deca...	14.38	25.6 ug/L	1884770	3	13.55	1836900	25.0
Benzene, 1,2,3,5-...	14.42	33.5 ug/L	2462030	3	13.55	1836900	25.0
Benzene, 2,4-diet...	14.50	16.9 ug/L	1242010	3	13.55	1836900	25.0
unknown-05	14.54	29.4 ug/L	2159920	3	13.55	1836900	25.0
unknown-06	14.64	17.2 ug/L	1260950	3	13.55	1836900	25.0
unknown-07	14.70	11.3 ug/L	827981	3	13.55	1836900	25.0
Benzene, 1-methyl...	14.73	12.0 ug/L	880216	3	13.55	1836900	25.0
Benzene, 1-ethyl-...	14.79	51.4 ug/L	3778920	3	13.55	1836900	25.0
Benzene, 1,4-dime...	14.90	7.0 ug/L	513625	3	13.55	1836900	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG2J1