

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
 Data File : VW015167.D
 Acq On : 08 Apr 2020 13:34
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.48G/10ML/MSVOA W/SOIL
 ALS Vial : 4 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\SOM2WLM032520S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	66	74	81	rVV	104115	183447	2.53%	0.156%
2	2.898	156	163	175	rVB	81162	193651	2.67%	0.165%
3	4.019	334	347	358	rBV	149583	413246	5.70%	0.351%
4	7.135	852	858	882	rVB	53438	185574	2.56%	0.158%
5	7.647	933	942	963	rVB	211966	562843	7.76%	0.478%
6	7.958	980	993	999	rBV	80949	203827	2.81%	0.173%
7	8.031	999	1005	1017	rVV	101436	250025	3.45%	0.212%
8	8.220	1030	1036	1038	rVV2	79001	157555	2.17%	0.134%
9	8.275	1039	1045	1060	rVV2	431922	1314044	18.12%	1.117%
10	8.433	1061	1071	1077	rVV2	221483	546949	7.54%	0.465%
11	8.506	1077	1083	1088	rVV	197211	440471	6.07%	0.374%
12	8.573	1088	1094	1106	rVV	342964	769928	10.62%	0.654%
13	8.842	1128	1138	1148	rBV	397137	793218	10.94%	0.674%
14	9.147	1182	1188	1197	rVB	63607	130083	1.79%	0.111%
15	9.336	1201	1219	1225	rBV2	1975387	5569358	76.79%	4.733%
16	9.384	1225	1227	1235	rVV2	274824	422684	5.83%	0.359%
17	9.518	1243	1249	1254	rVV	167954	331270	4.57%	0.282%
18	9.610	1254	1264	1272	rVB2	523886	1196699	16.50%	1.017%
19	9.750	1279	1287	1296	rBV2	725313	1376241	18.98%	1.170%
20	9.896	1299	1311	1316	rBV	286290	587435	8.10%	0.499%
21	9.945	1316	1319	1325	rVB2	132667	224106	3.09%	0.190%
22	10.037	1329	1334	1336	rBV	135137	223216	3.08%	0.190%
23	10.079	1336	1341	1346	rVV	351949	655744	9.04%	0.557%
24	10.128	1346	1349	1357	rVB	241132	400600	5.52%	0.340%
25	10.213	1357	1363	1365	rBV	104366	194214	2.68%	0.165%
26	10.244	1365	1368	1373	rVB2	132370	215971	2.98%	0.184%
27	10.323	1373	1381	1385	rBV2	2783677	5476994	75.52%	4.654%
28	10.360	1385	1387	1396	rVB	1048916	1433074	19.76%	1.218%
29	10.445	1396	1401	1403	rBV2	178072	272168	3.75%	0.231%
30	10.494	1403	1409	1418	rVB2	919583	2344162	32.32%	1.992%
31	10.585	1418	1424	1426	rBV3	151168	282954	3.90%	0.240%
32	10.622	1426	1430	1432	rBV	83486	113111	1.56%	0.096%
33	10.665	1432	1437	1446	rVB	1979057	3474494	47.91%	2.953%
34	10.762	1446	1453	1458	rBV2	878059	1715121	23.65%	1.457%

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 Title : VOC Analysis

35	10.847	1463	1467	1472	rVB	254075	400627	5.52%	0.340%
36	10.933	1472	1481	1487	rBV3	534692	1086982	14.99%	0.924%
37	11.036	1492	1498	1505	rVB	291258	601453	8.29%	0.511%
38	11.110	1505	1510	1512	rBV	345075	508185	7.01%	0.432%
39	11.177	1512	1521	1525	rBV2	1432153	2528916	34.87%	2.149%
40	11.232	1525	1530	1535	rVB	1831579	3091422	42.63%	2.627%
41	11.286	1535	1539	1542	rBV	360984	498904	6.88%	0.424%
42	11.335	1542	1547	1551	rBV2	612686	946721	13.05%	0.805%
43	11.378	1551	1554	1558	rVB2	147041	195655	2.70%	0.166%
44	11.433	1558	1563	1571	rVB	1184889	2090306	28.82%	1.776%
45	11.506	1571	1575	1580	rBV2	217130	372343	5.13%	0.316%
46	11.628	1589	1595	1600	rBV	526067	938416	12.94%	0.797%
47	11.719	1604	1610	1614	rBV	572588	1007716	13.89%	0.856%
48	11.762	1614	1617	1621	rVB	511623	655760	9.04%	0.557%
49	11.823	1621	1627	1631	rBV4	528285	1257389	17.34%	1.069%
50	11.872	1631	1635	1639	rBV	1550724	2590322	35.72%	2.201%
51	11.914	1640	1642	1647	rVB2	1200900	1672578	23.06%	1.421%
52	11.969	1647	1651	1657	rBV4	165056	373254	5.15%	0.317%
53	12.036	1657	1662	1670	rVB3	701643	1503758	20.73%	1.278%
54	12.134	1670	1678	1685	rBV4	2239144	5779308	79.69%	4.911%
55	12.195	1685	1688	1691	rBV	324258	392290	5.41%	0.333%
56	12.298	1701	1705	1708	rBV2	1321004	2321650	32.01%	1.973%
57	12.341	1708	1712	1716	rVV2	2249965	4273784	58.93%	3.632%
58	12.384	1716	1719	1722	rVB	1116418	1669660	23.02%	1.419%
59	12.615	1752	1757	1761	rVB3	470361	881785	12.16%	0.749%
60	12.695	1764	1770	1776	rBV3	1189529	2687511	37.06%	2.284%
61	12.780	1779	1784	1791	rVB3	2123252	4388358	60.51%	3.729%
62	12.859	1791	1797	1801	rBV6	917336	2027743	27.96%	1.723%
63	12.939	1802	1810	1816	rVV4	2715763	7252542	100.00%	6.163%
64	12.993	1816	1819	1823	rVB3	636273	900161	12.41%	0.765%
65	13.042	1824	1827	1829	rBV3	173984	229006	3.16%	0.195%
66	13.079	1829	1833	1837	rVB2	518501	693944	9.57%	0.590%
67	13.121	1837	1840	1843	rBV2	285387	397570	5.48%	0.338%
68	13.170	1843	1848	1856	rVB4	1264277	3006841	41.46%	2.555%
69	13.249	1856	1861	1865	rBV	1415578	2212536	30.51%	1.880%
70	13.292	1866	1868	1871	rVB3	142269	153309	2.11%	0.130%
71	13.390	1878	1884	1888	rBV6	649407	1721938	23.74%	1.463%

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72	13.445	1889	1893	1897	rVV3	1119341	2037350	28.09%	1.731%
73	13.487	1897	1900	1907	rVB3	412534	705090	9.72%	0.599%
74	13.560	1908	1912	1913	rBV	261841	365538	5.04%	0.311%
75	13.585	1913	1916	1925	rVB3	714581	1332891	18.38%	1.133%
76	13.719	1935	1938	1940	rBV	173071	199736	2.75%	0.170%
77	13.749	1940	1943	1946	rVV2	334899	470003	6.48%	0.399%
78	13.786	1946	1949	1953	rVB2	687553	905416	12.48%	0.769%
79	13.877	1957	1964	1969	rVB3	1893382	3229593	44.53%	2.744%
80	13.951	1973	1976	1979	rVB	186776	208708	2.88%	0.177%
81	14.012	1982	1986	1988	rBV	347128	486728	6.71%	0.414%
82	14.036	1988	1990	1995	rVB	433947	592320	8.17%	0.503%
83	14.097	1995	2000	2008	rVB	905349	1488523	20.52%	1.265%
84	14.200	2012	2017	2022	rVB2	1075856	1739182	23.98%	1.478%
85	14.255	2022	2026	2033	rVB5	386653	858507	11.84%	0.730%
86	14.341	2033	2040	2043	rBV4	355709	679379	9.37%	0.577%
87	14.383	2043	2047	2050	rBV3	519536	826636	11.40%	0.702%
88	14.414	2050	2052	2056	rVV3	525702	694210	9.57%	0.590%
89	14.457	2056	2059	2063	rVB	459169	573518	7.91%	0.487%
90	14.499	2063	2066	2069	rBV	322759	433715	5.98%	0.369%
91	14.542	2069	2073	2080	rVB4	445136	818550	11.29%	0.696%
92	14.639	2085	2089	2093	rVB	265676	411937	5.68%	0.350%
93	14.700	2093	2099	2101	rBV4	122491	234596	3.23%	0.199%
94	14.731	2101	2104	2108	rVB2	192626	270561	3.73%	0.230%
95	14.792	2108	2114	2121	rBV3	498102	1119275	15.43%	0.951%
96	14.853	2121	2124	2129	rVB	124231	183082	2.52%	0.156%
97	15.005	2145	2149	2154	rBV5	52034	110868	1.53%	0.094%
98	15.066	2155	2159	2167	rVV3	112986	227666	3.14%	0.193%
99	15.170	2172	2176	2185	rVB4	96017	215655	2.97%	0.183%
100	16.596	2401	2410	2417	rBV	127625	292579	4.03%	0.249%

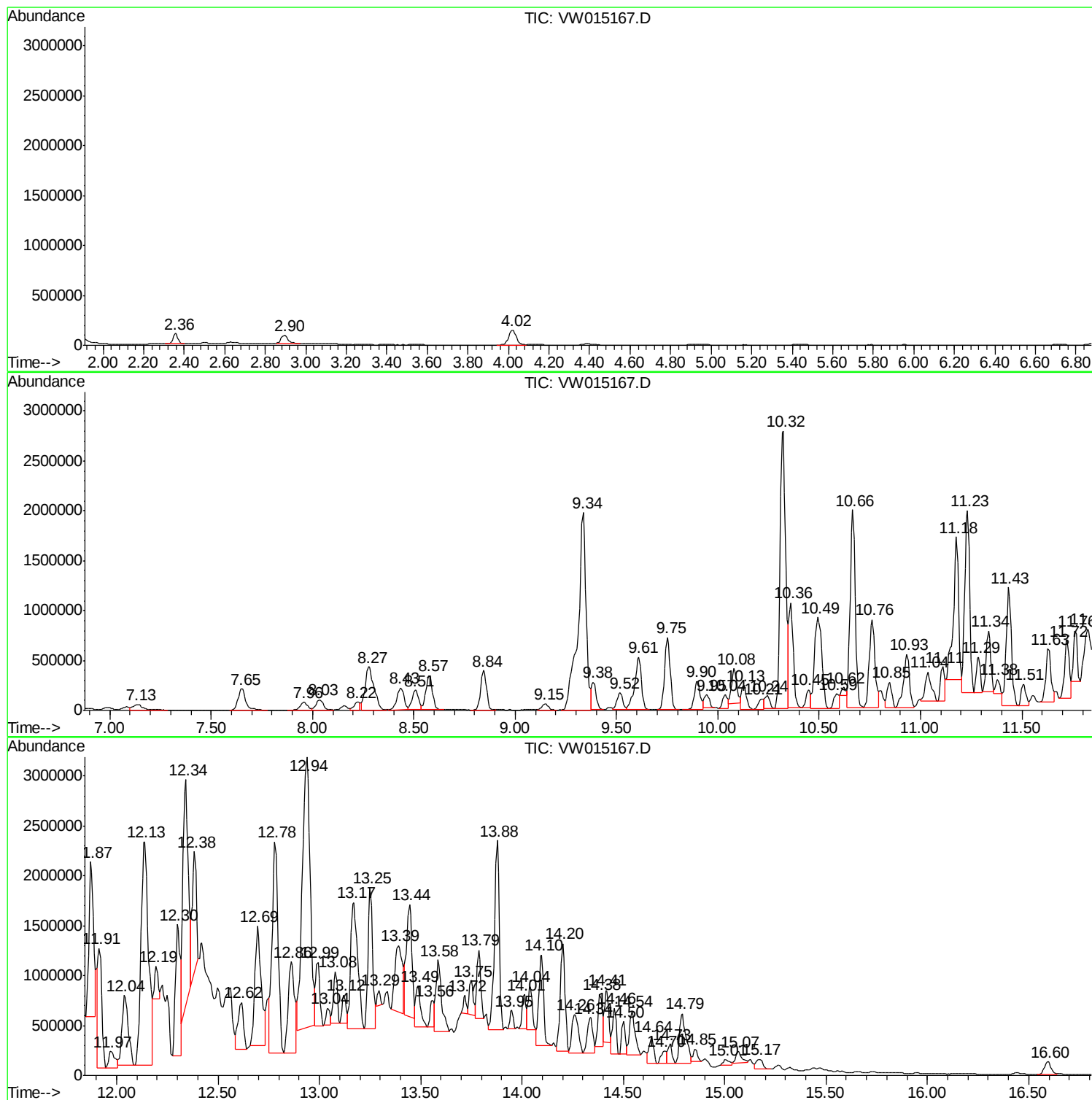
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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



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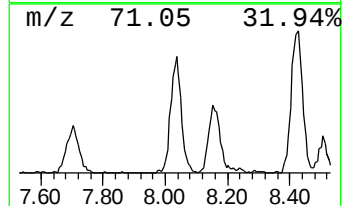
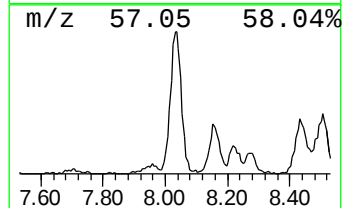
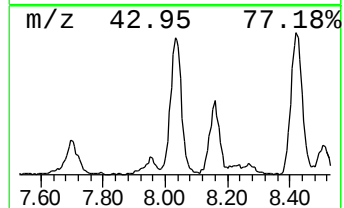
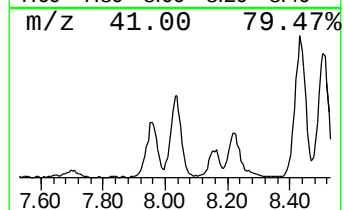
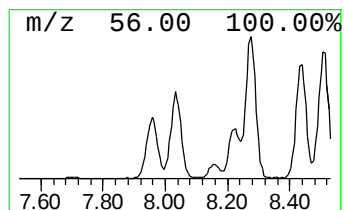
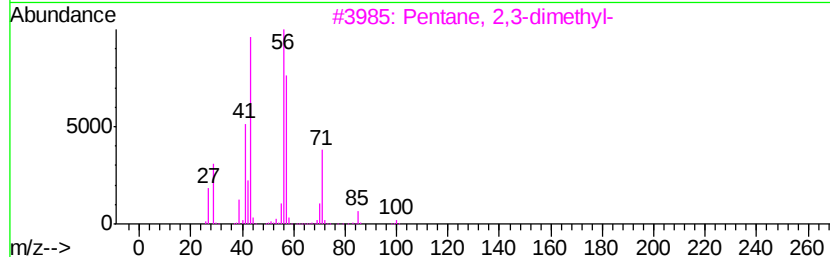
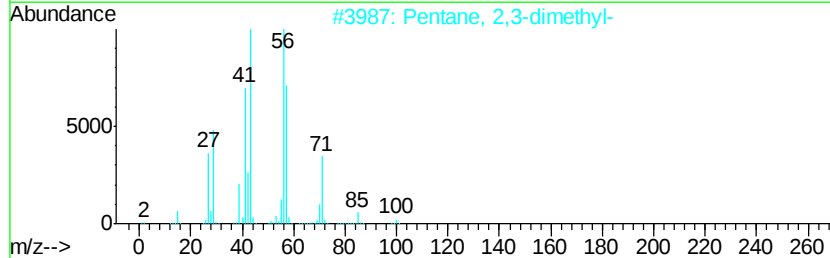
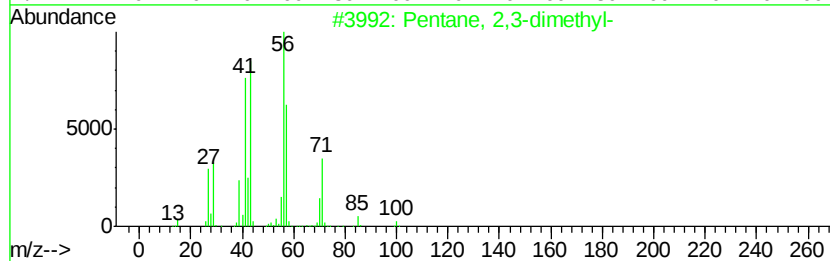
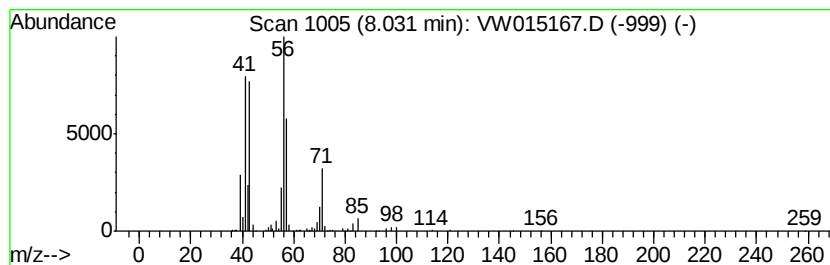
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	7.88 ug/L	250025	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
5		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	50



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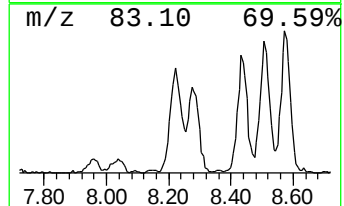
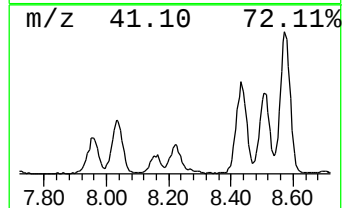
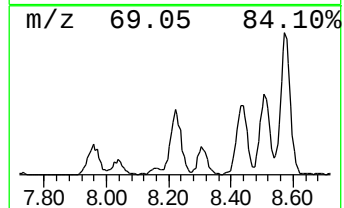
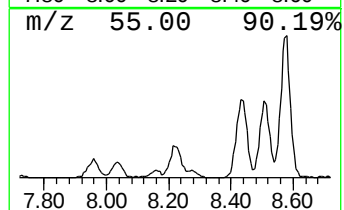
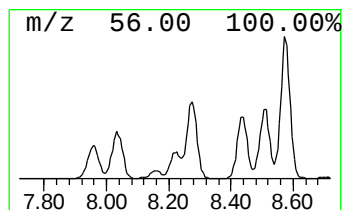
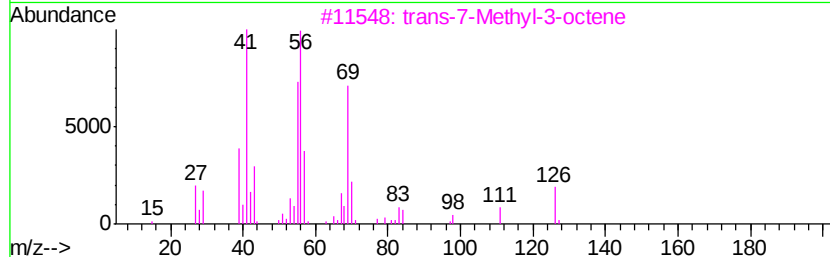
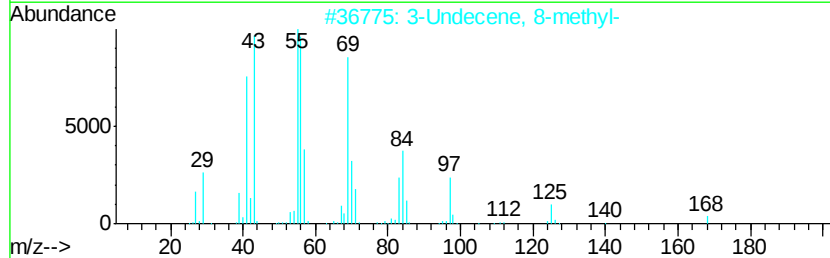
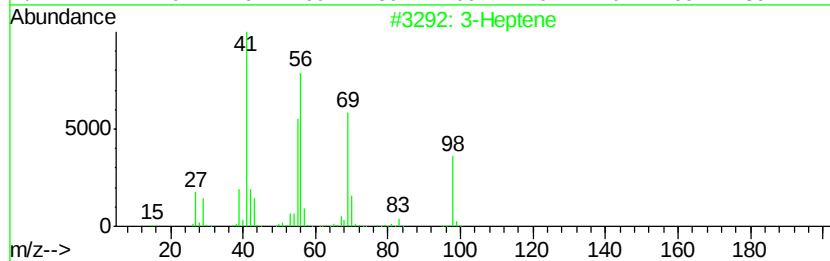
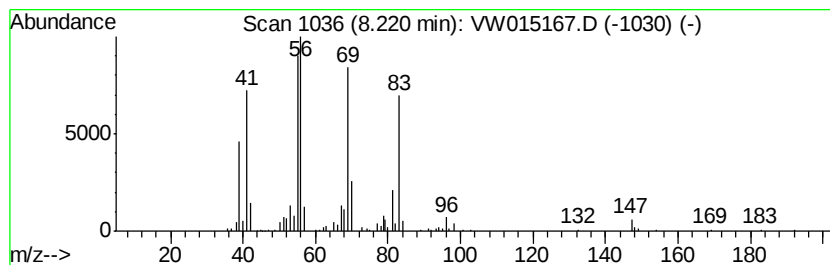
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	4.97 ug/L	157555	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene		98	C7H14	000592-78-9	70
2	3-Undecene, 8-methyl-		168	C12H24	1000061-84-4	53
3	trans-7-Methyl-3-octene		126	C9H18	1000113-52-8	50
4	2-Ethylthiolane, S,S-dioxide		148	C6H12O2S	010178-59-3	49
5	(Z)-Hex-2-ene, 5-methyl-		98	C7H14	013151-17-2	43



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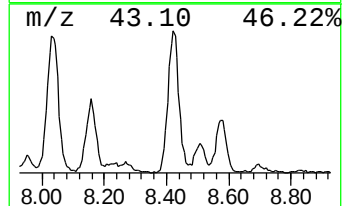
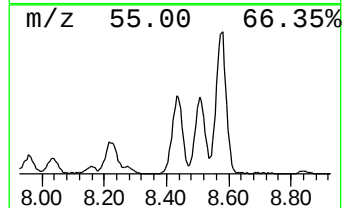
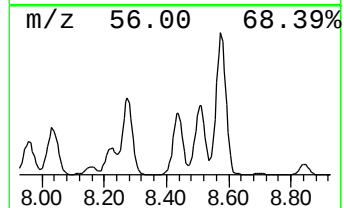
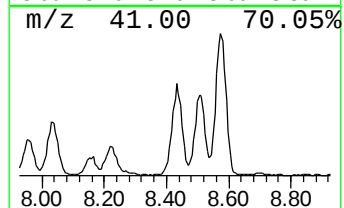
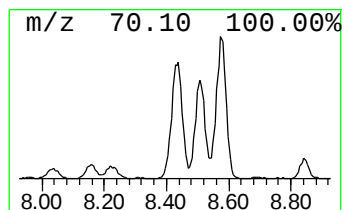
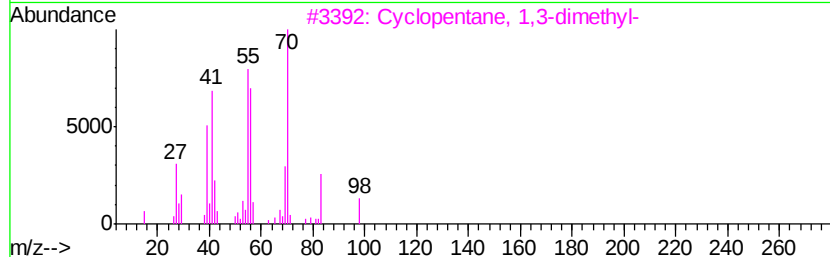
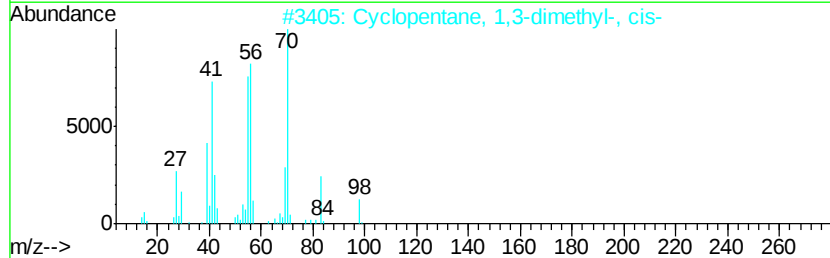
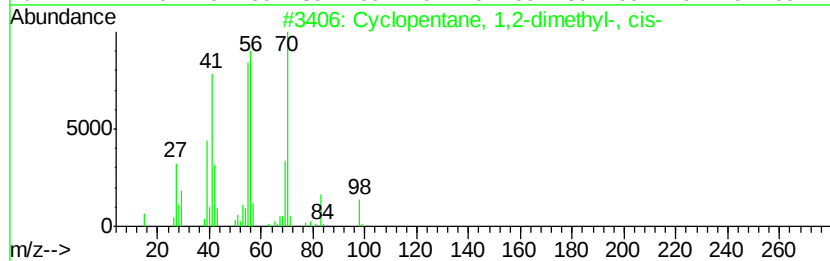
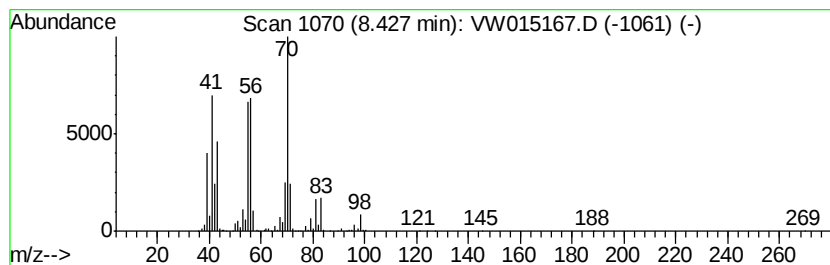
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic8.43 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	17.24 ug/L	546949	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	90
2		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
3		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
5		Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

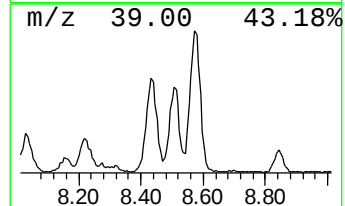
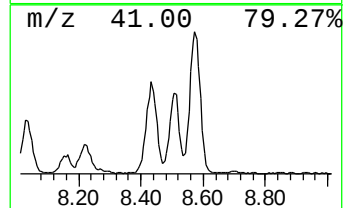
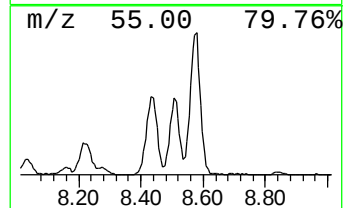
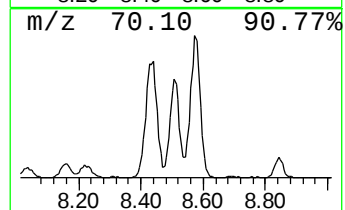
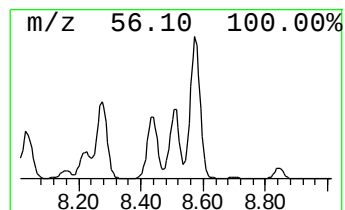
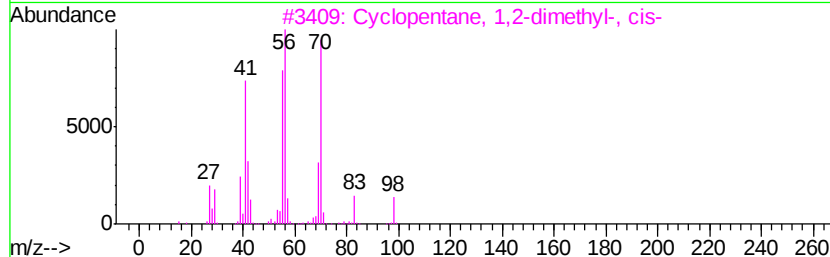
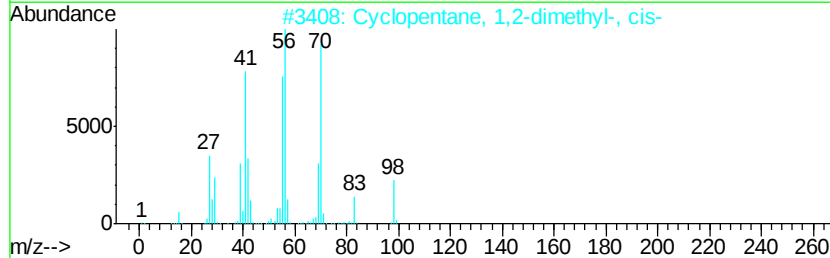
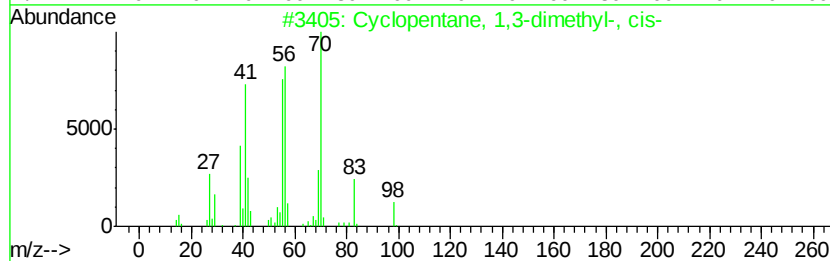
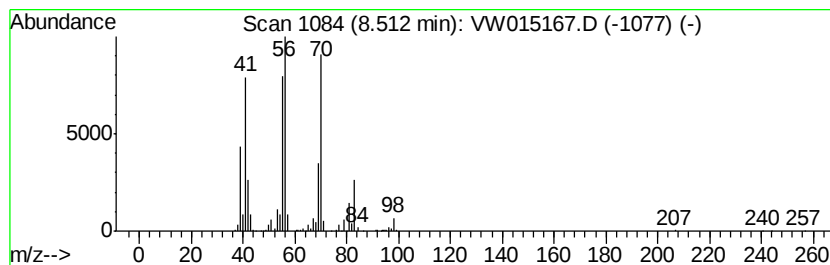
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.51 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	13.88 ug/L	440471	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	81
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76
4		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
5		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

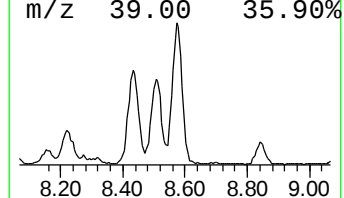
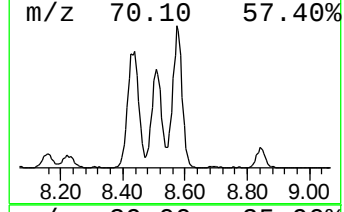
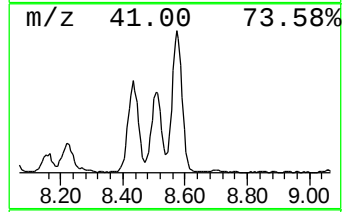
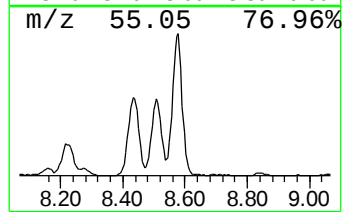
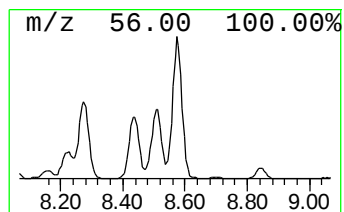
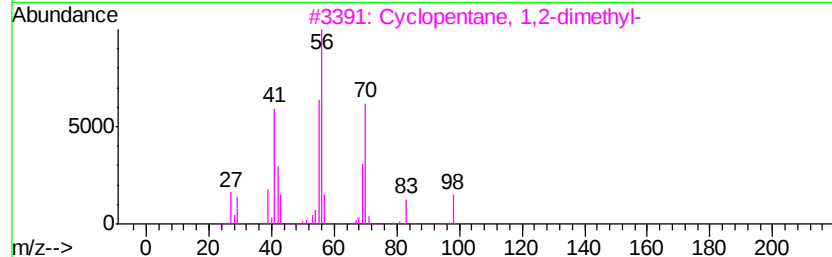
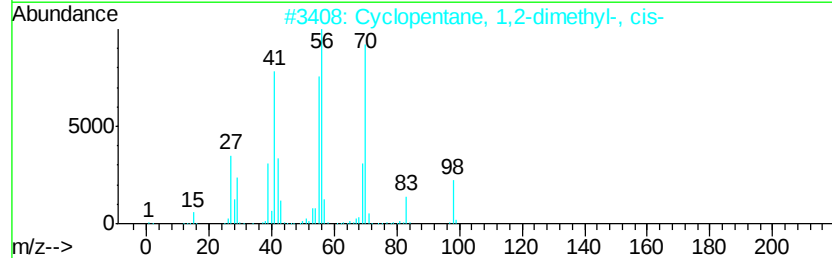
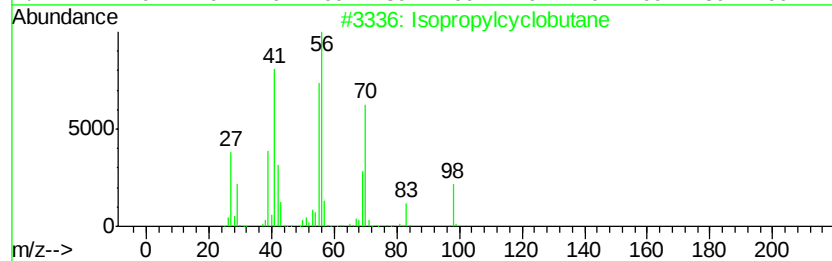
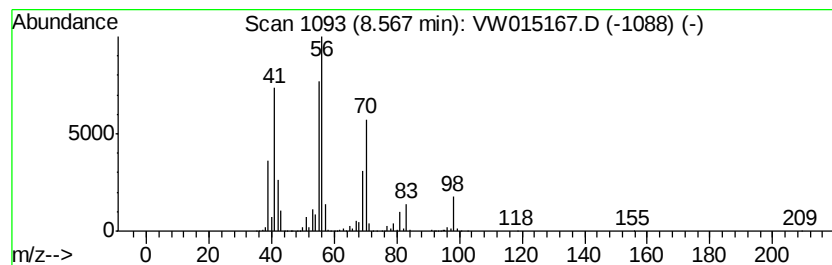
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	24.27 ug/L	769928	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcyclobutane	98	C7H14	000872-56-0	96
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
3		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	93
4		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

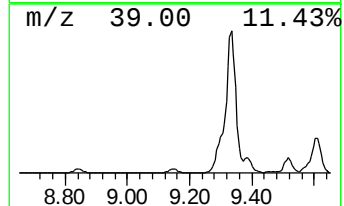
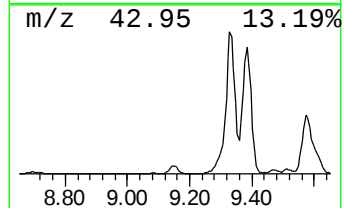
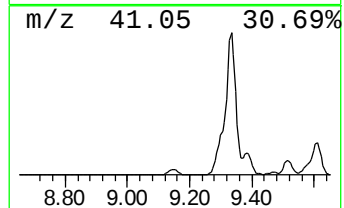
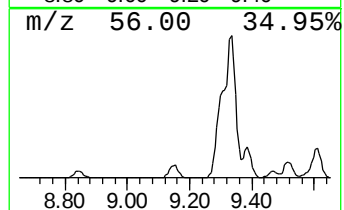
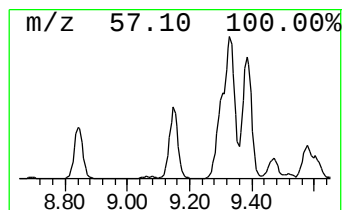
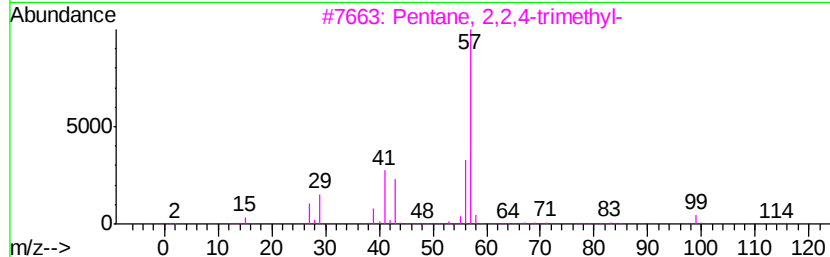
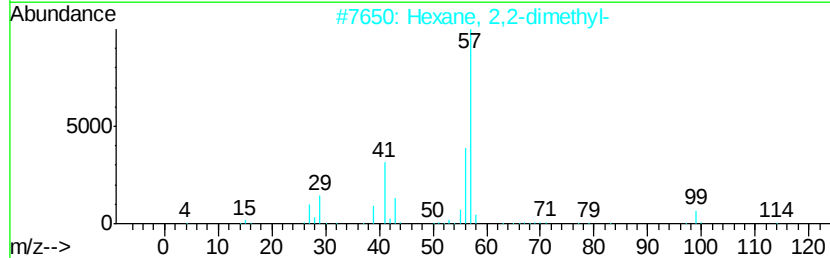
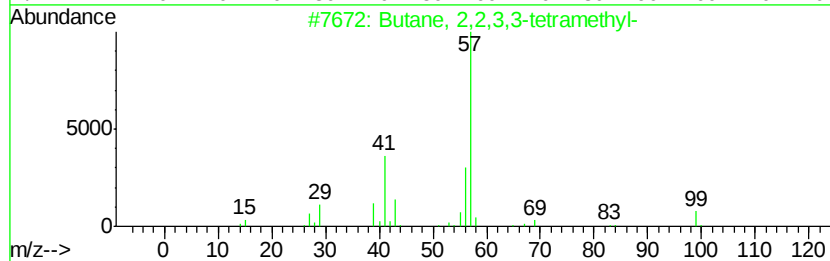
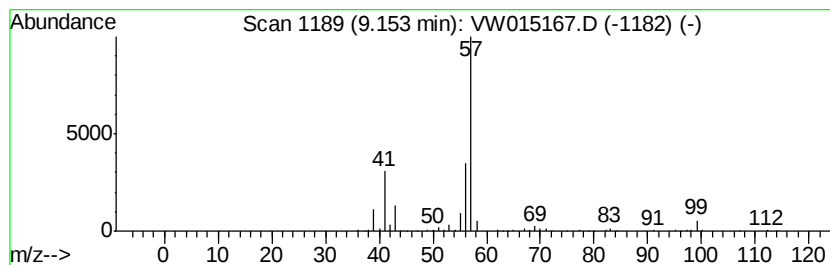
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	4.10 ug/L	130083	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

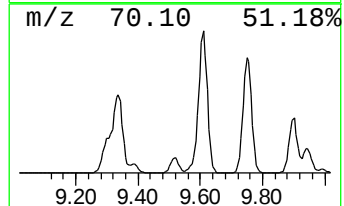
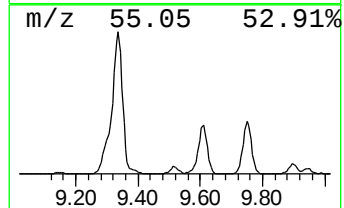
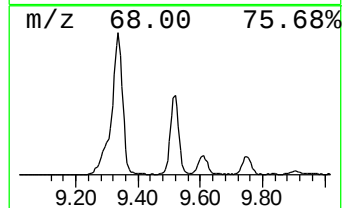
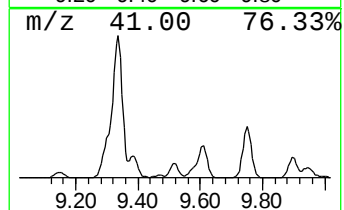
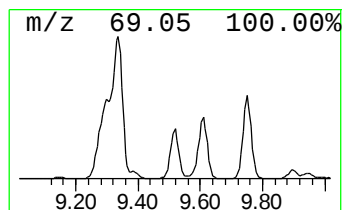
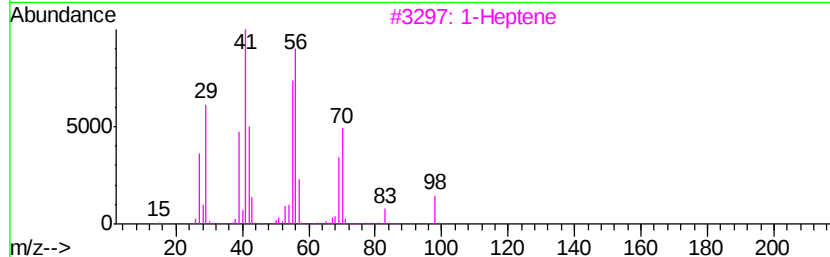
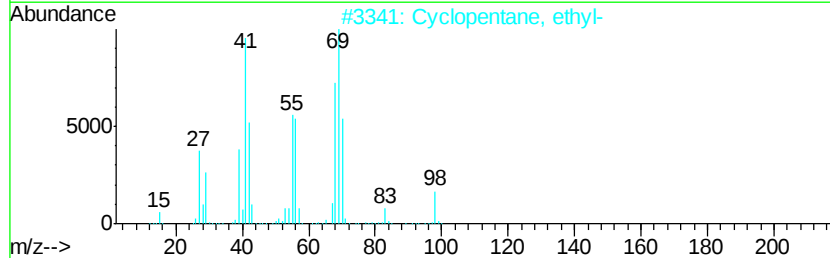
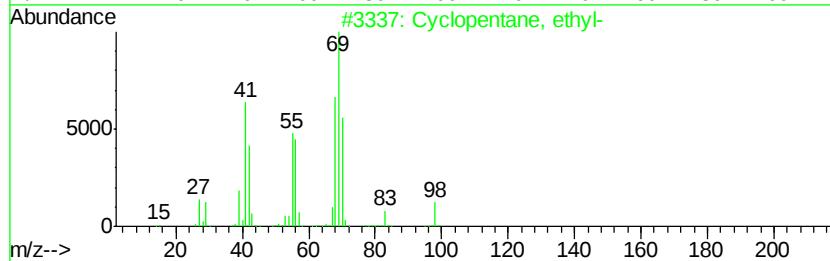
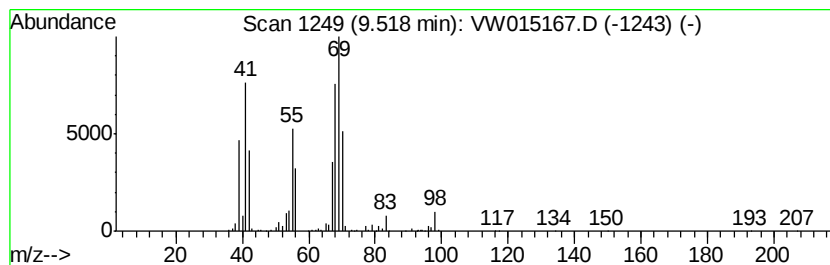
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic9.52 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	10.44 ug/L	331270	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	68
2		Cyclopentane, ethyl-	98	C7H14	001640-89-7	64
3		1-Heptene	98	C7H14	000592-76-7	30
4		Cyclopentane, nitro-	115	C5H9NO2	002562-38-1	27
5		(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

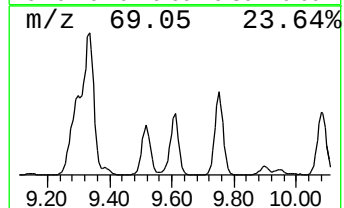
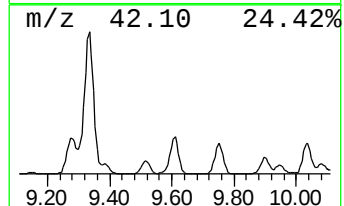
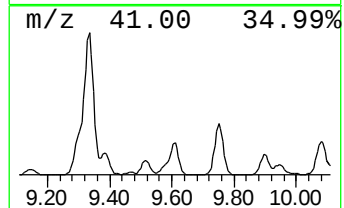
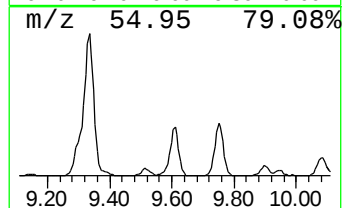
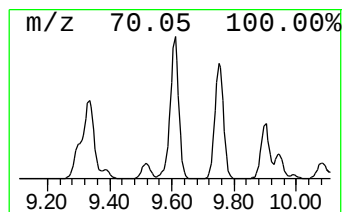
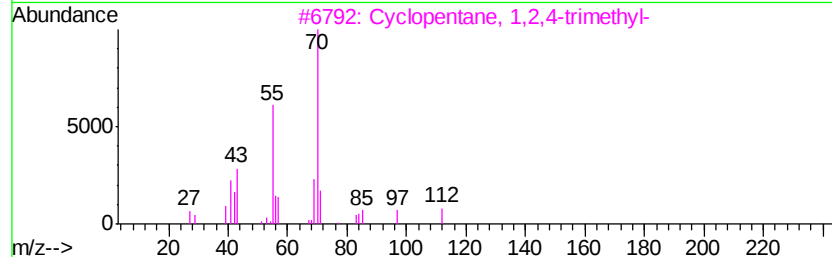
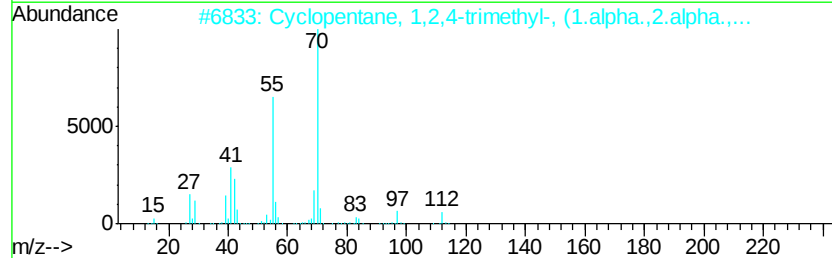
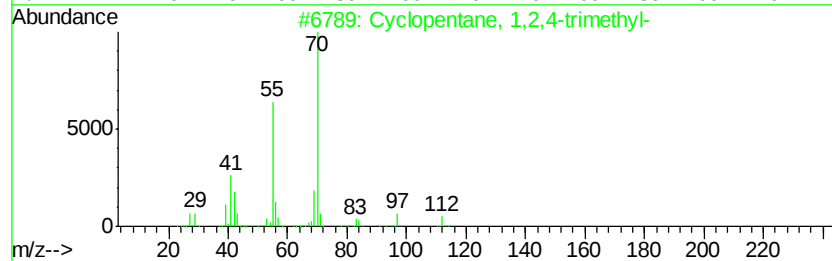
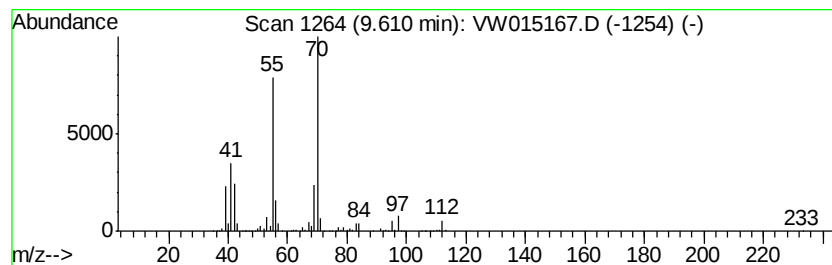
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic9.61 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	37.72 ug/L	1196700	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
4		Heptane, 3-methylene-	112	C8H16	001632-16-2	72
5		Nonane, 3-methylene-	140	C10H20	051655-64-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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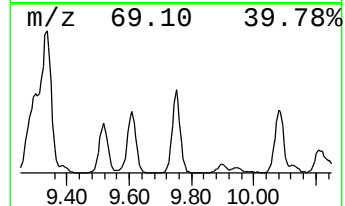
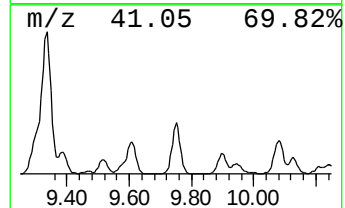
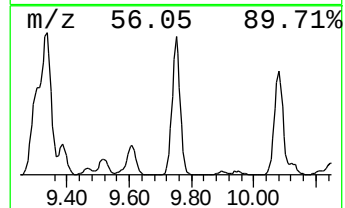
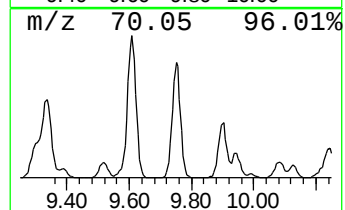
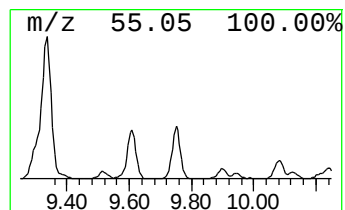
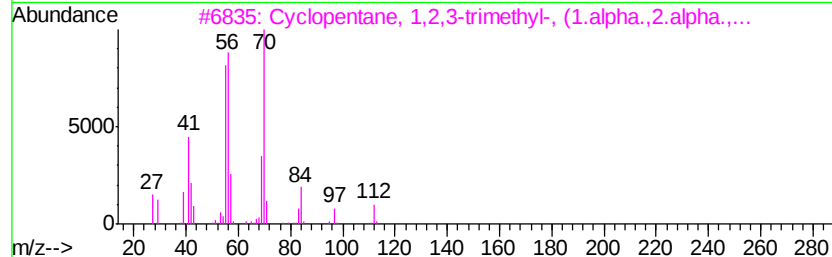
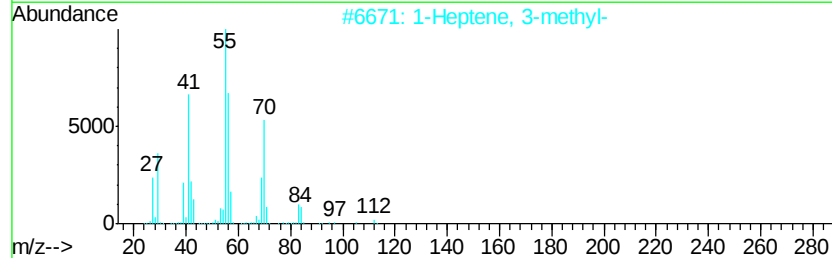
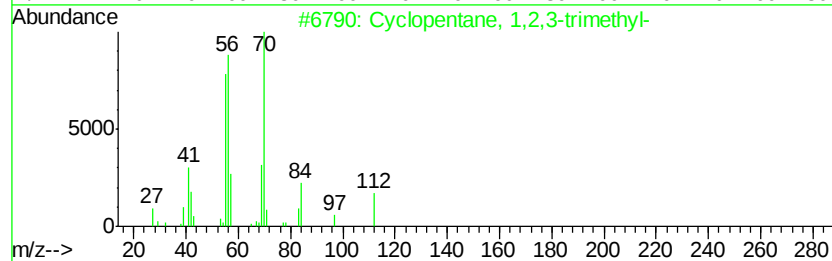
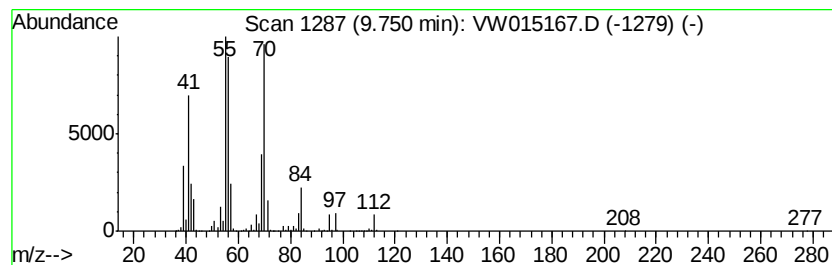
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.75 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	43.38 ug/L	1376240	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
2		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	87
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	80
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
5		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

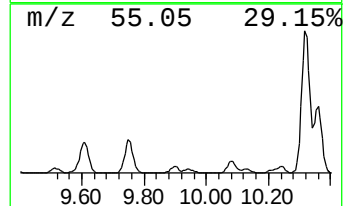
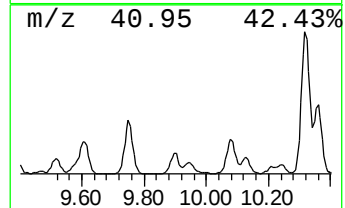
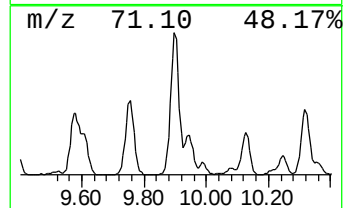
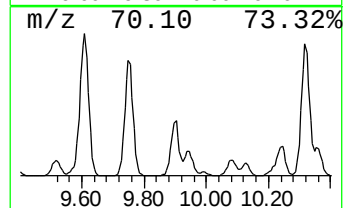
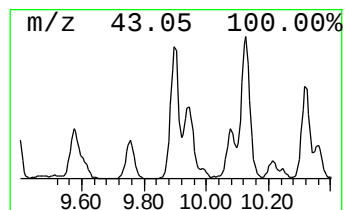
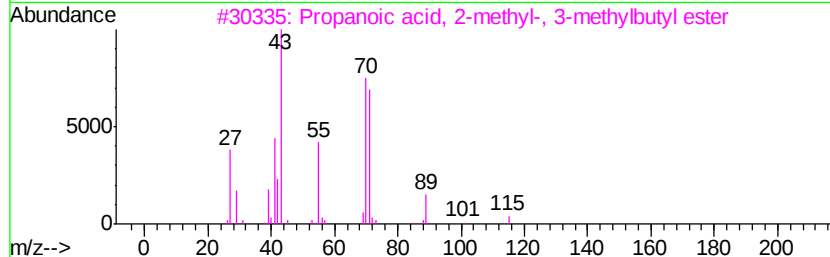
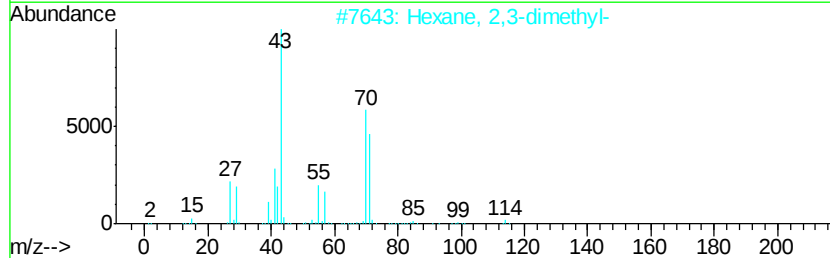
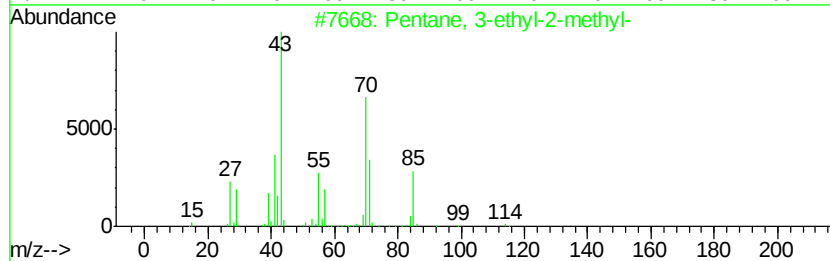
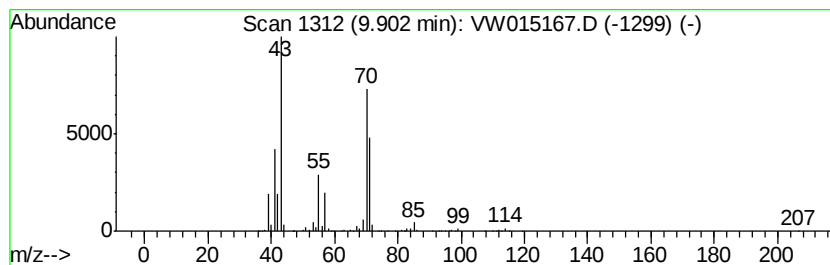
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	18.51 ug/L	587435	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	91
2			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	90
3			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	78
4			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
5			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

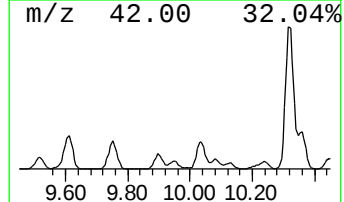
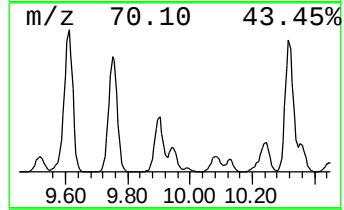
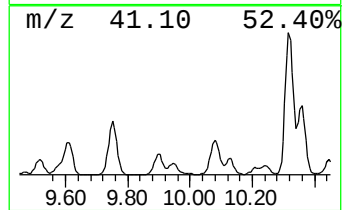
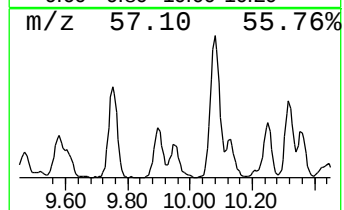
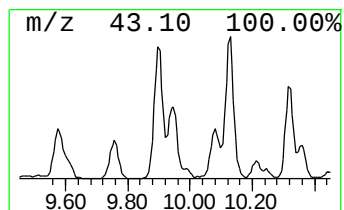
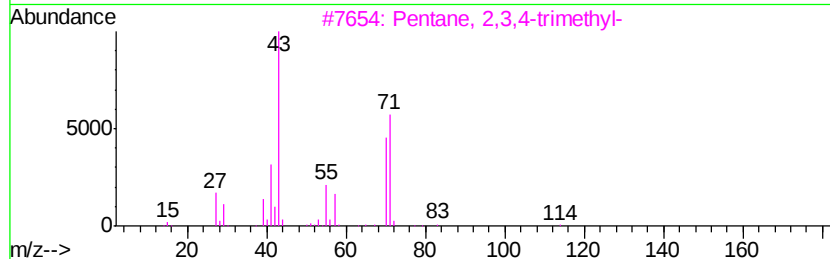
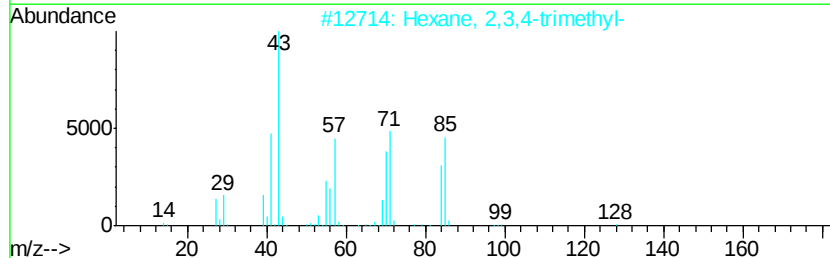
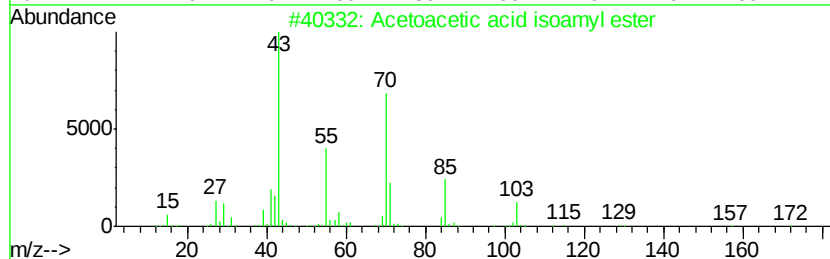
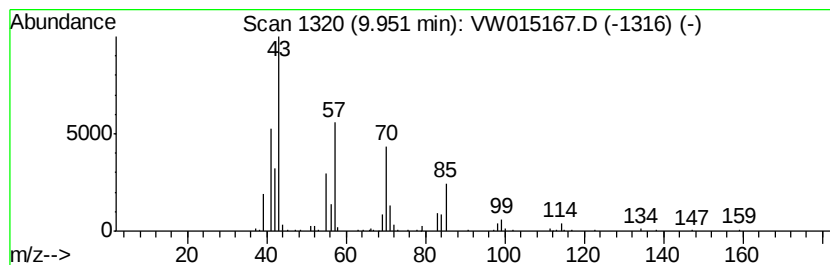
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Quant Title : VOC Analysis

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

Peak Number 12 unknown-01 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	7.06 ug/L	224106	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	45
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	43
4			Nonane	128	C9H20	000111-84-2	43
5			1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

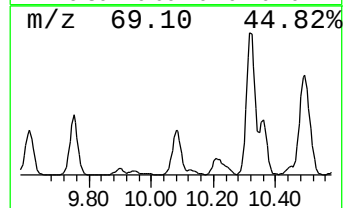
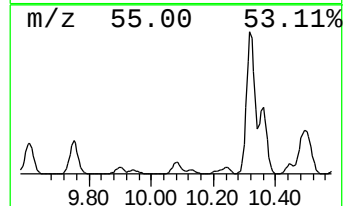
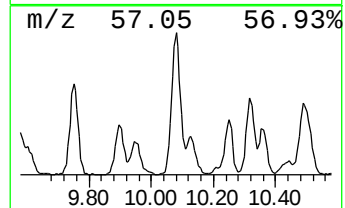
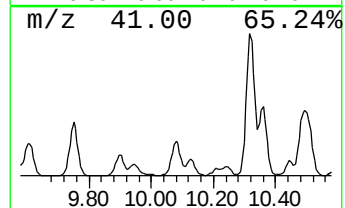
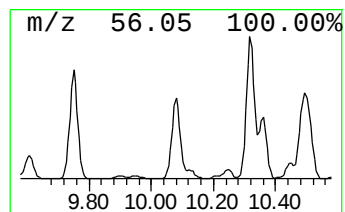
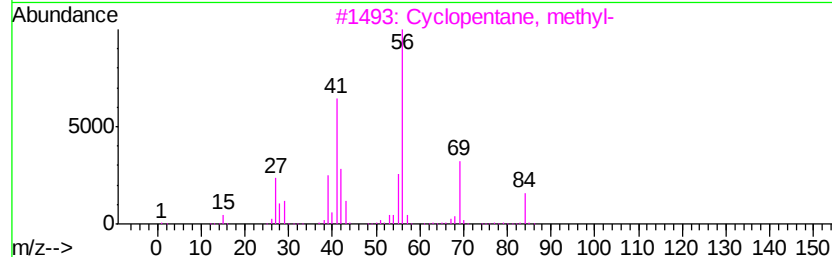
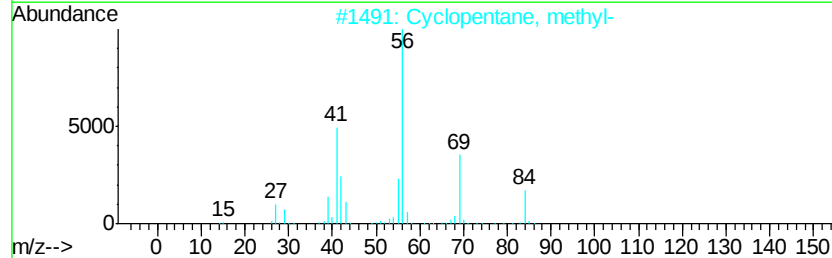
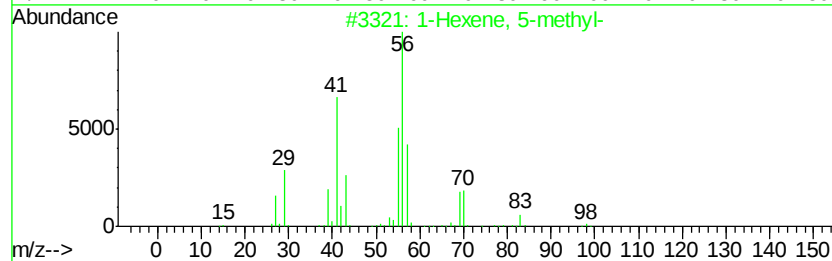
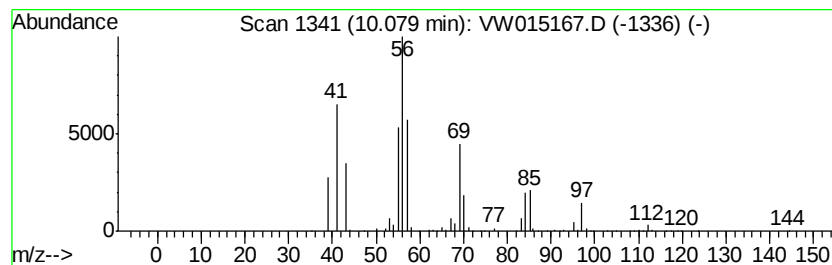
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	20.67 ug/L	655744	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	58
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	53
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	50
4		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50
5		Cyclohexane	84	C6H12	000110-82-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

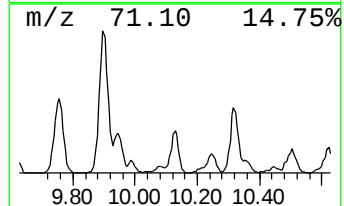
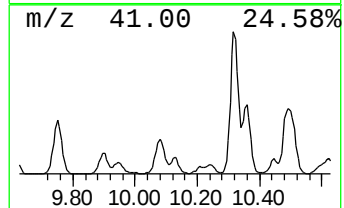
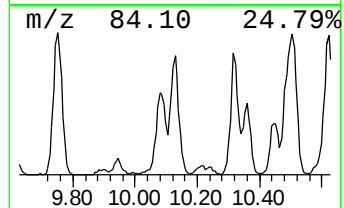
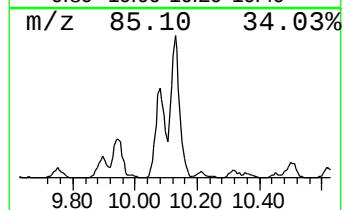
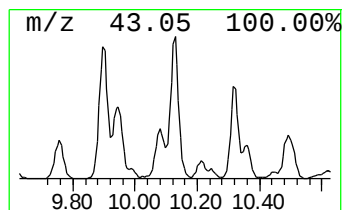
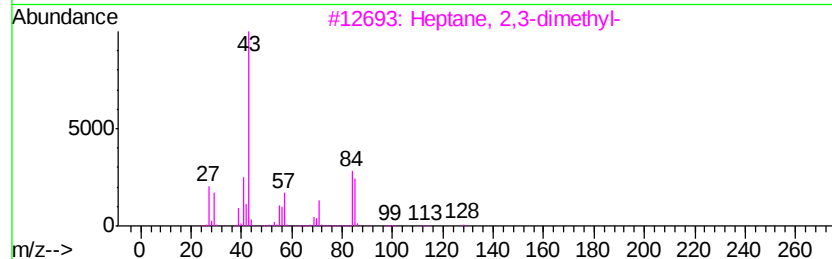
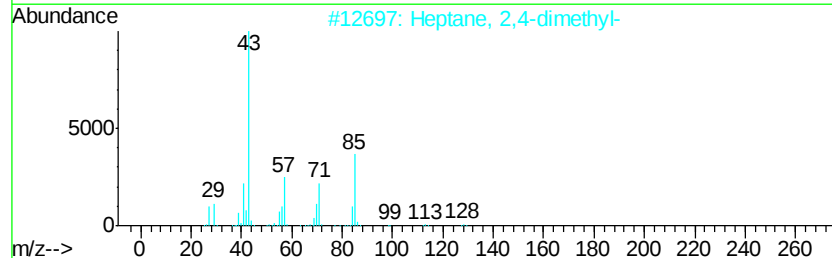
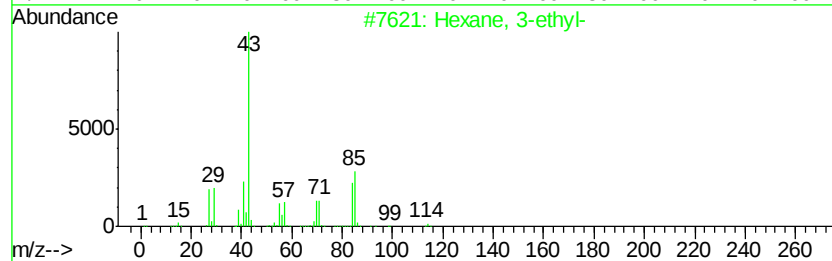
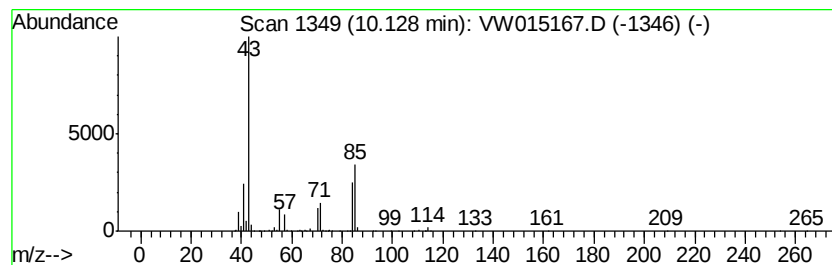
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	12.63 ug/L	400600	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	83
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
5		Heptane, 3-methyl-	114	C8H18	000589-81-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

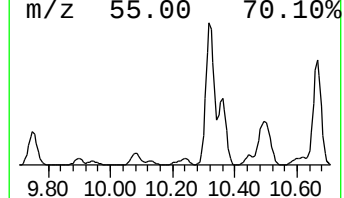
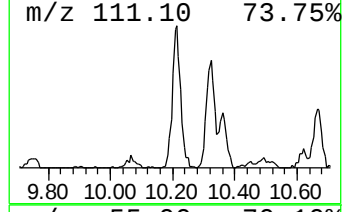
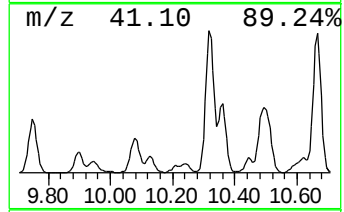
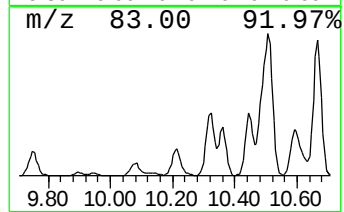
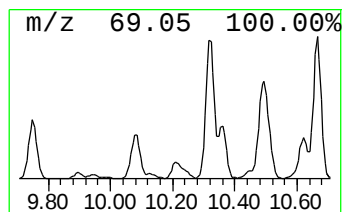
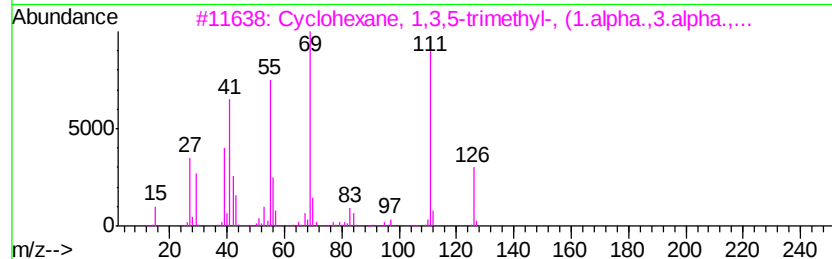
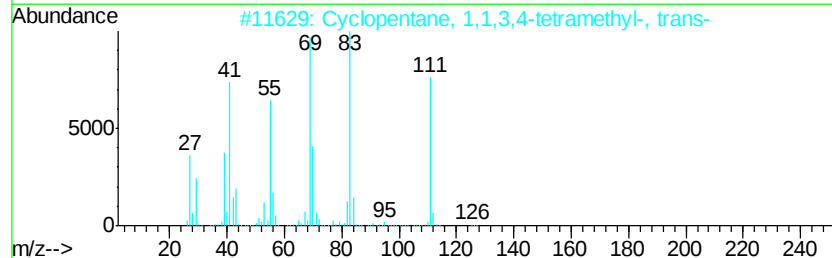
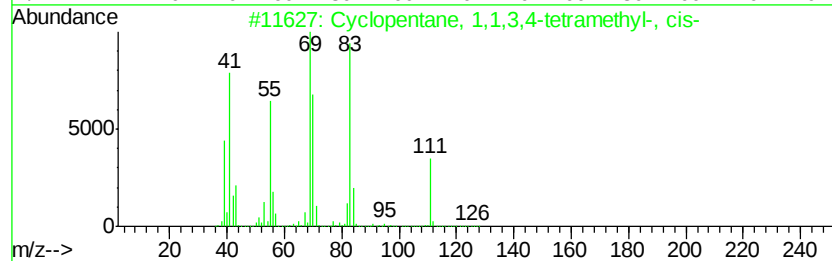
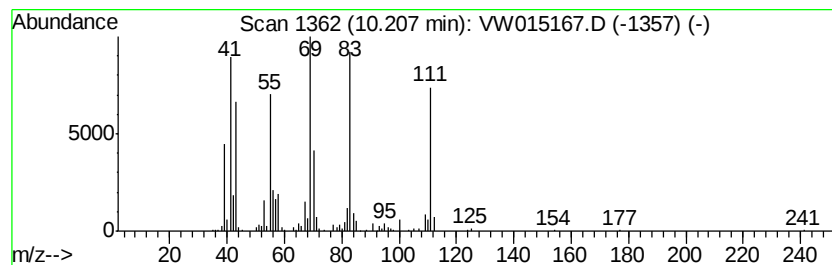
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.21 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	6.12 ug/L	194214	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	59
2		Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	53
3		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	47
4		Cyclohexanecarboxylic acid, 2,2-...	198	C12H22O2	1000279-85-6	43
5		Cyclooctane, ethyl-	140	C10H20	013152-02-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

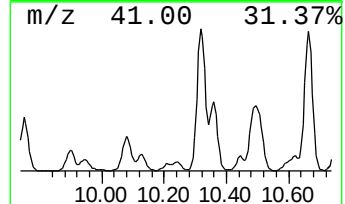
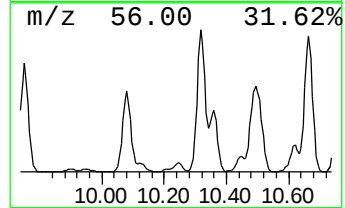
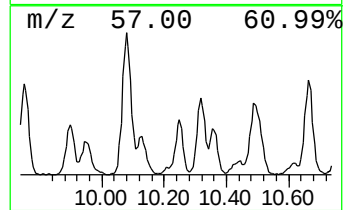
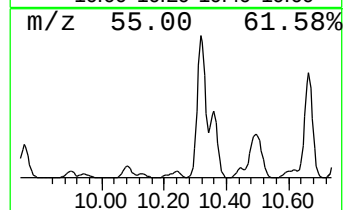
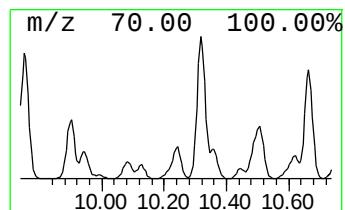
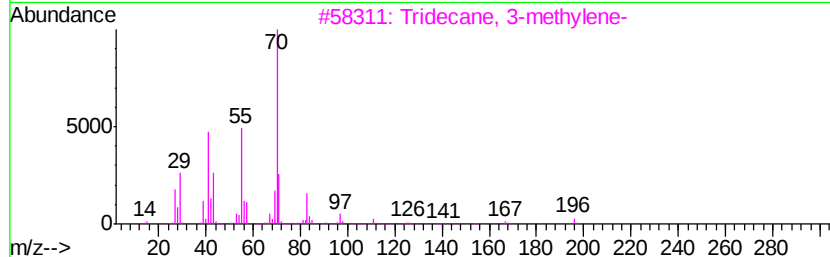
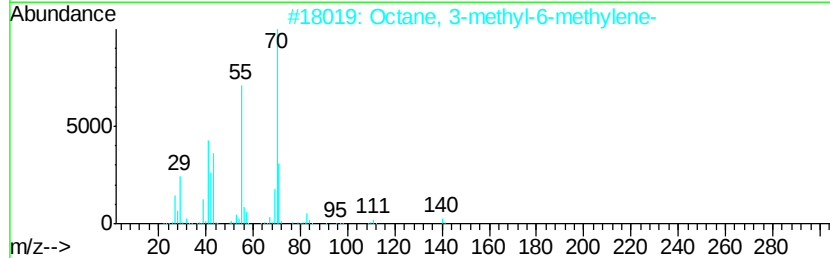
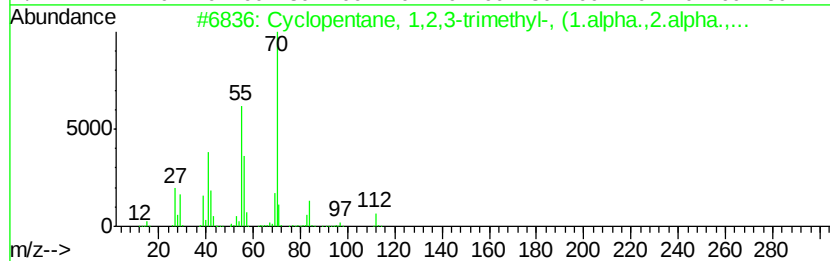
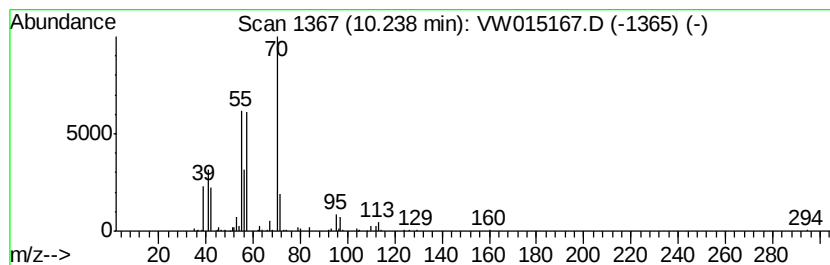
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	5.75 ug/L	215971	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
2		Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	50
3		Tridecane, 3-methylene-	196	C14H28	019780-34-8	45
4		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	43
5		1-Heptene, 5-methyl-	112	C8H16	013151-04-7	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

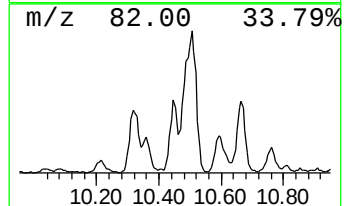
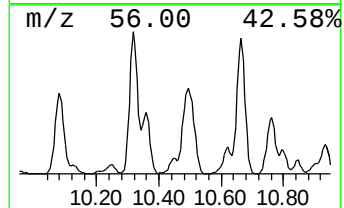
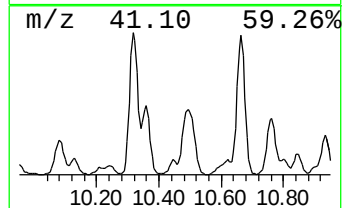
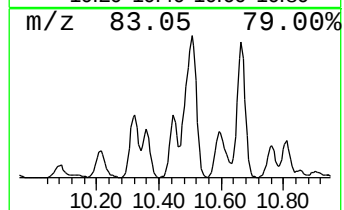
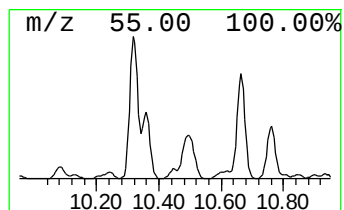
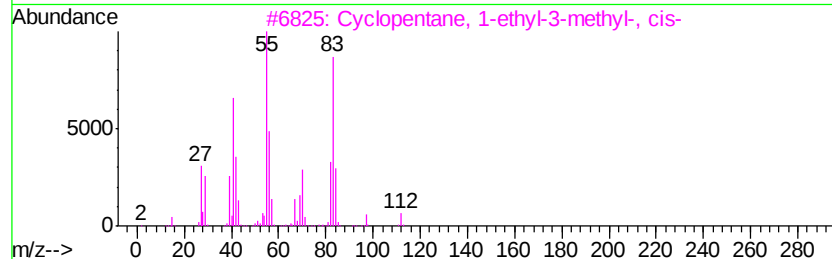
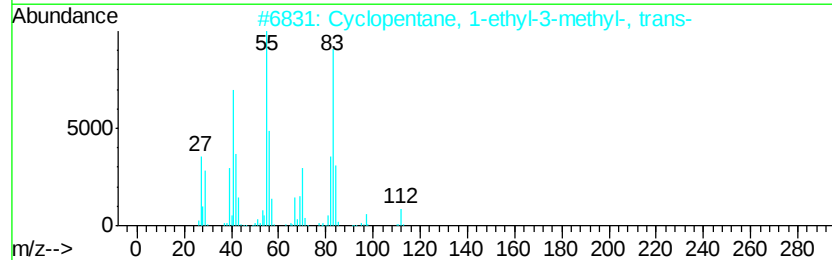
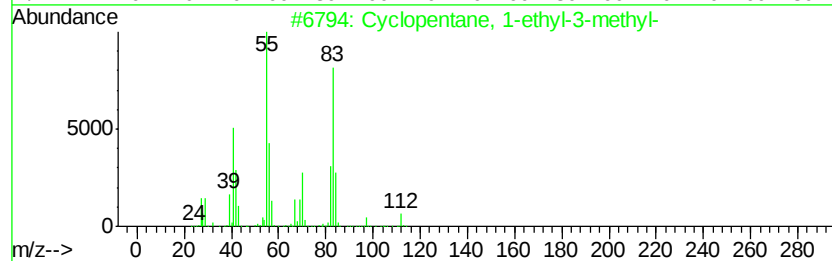
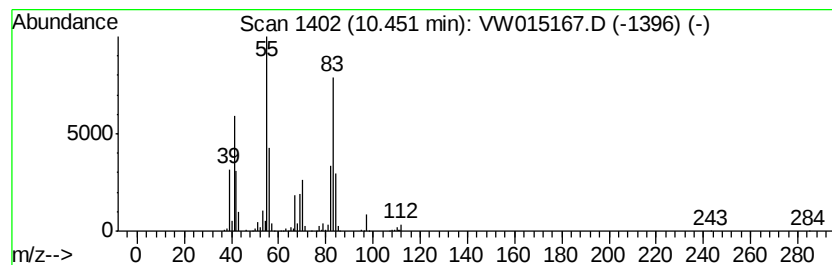
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic10.45 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	7.25 ug/L	272168	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	91
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	83
3		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	83
4		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

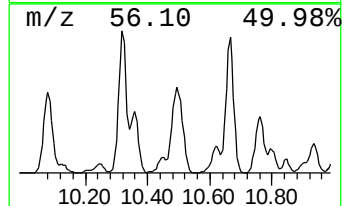
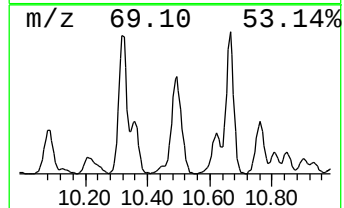
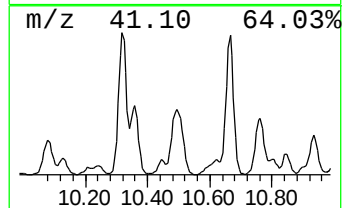
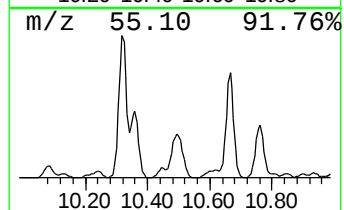
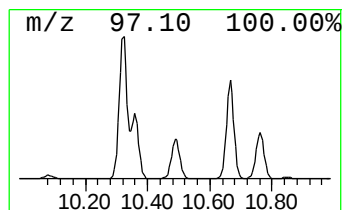
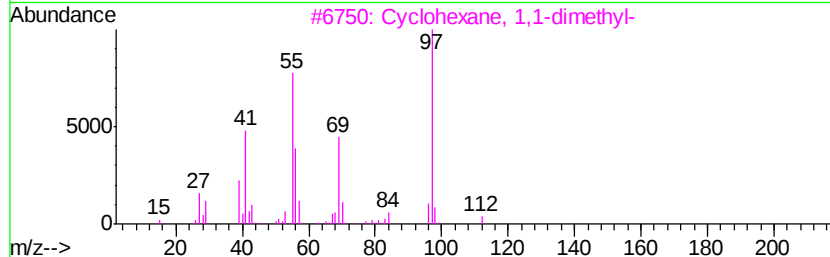
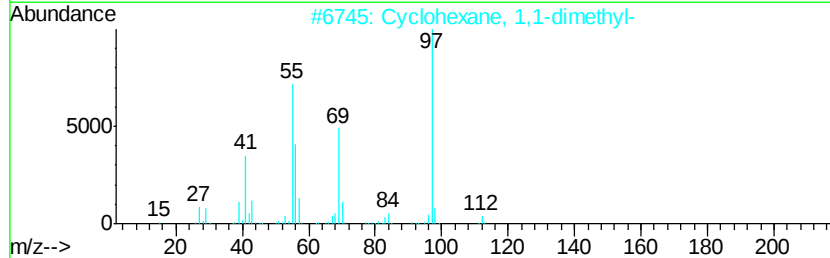
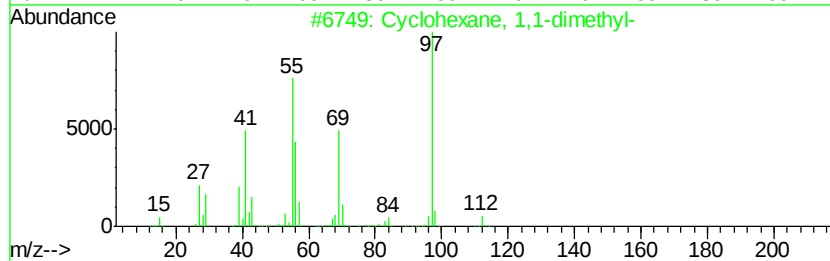
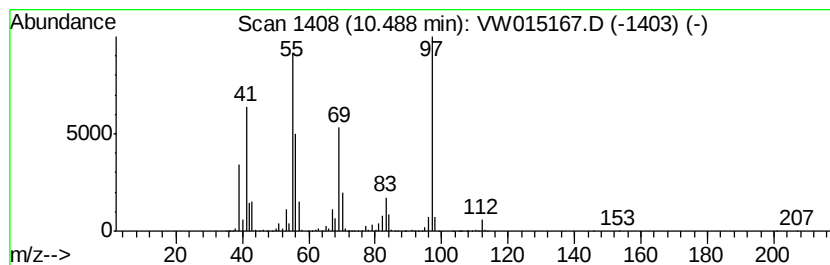
Instrument :
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ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic10.49 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.49	62.45 ug/L	2344160	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		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	74
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	74
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

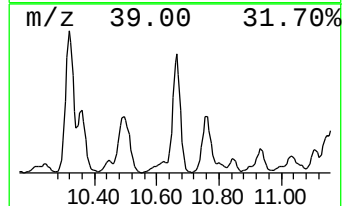
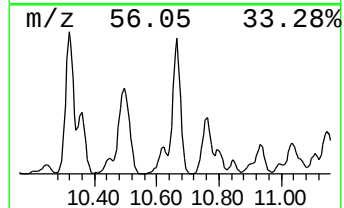
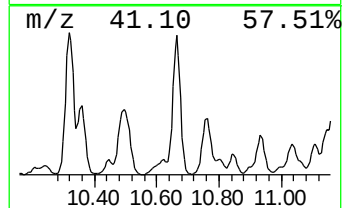
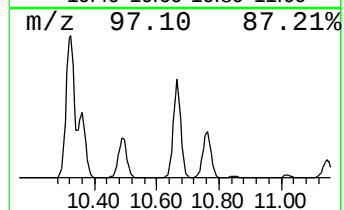
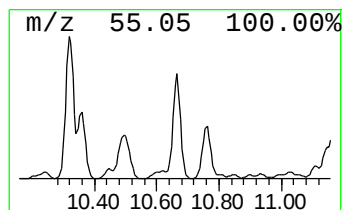
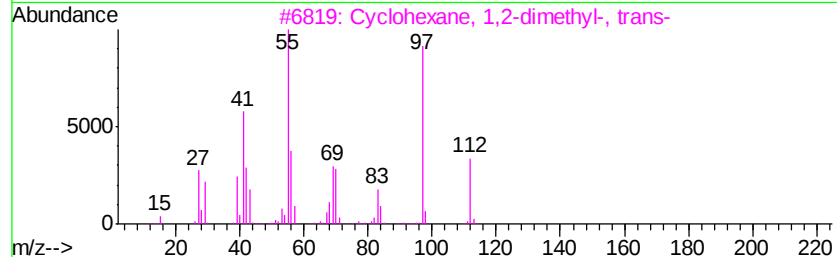
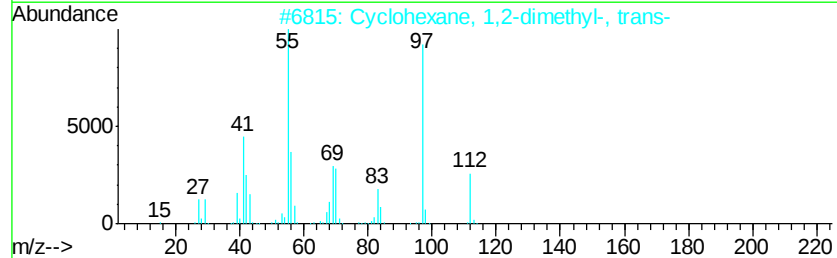
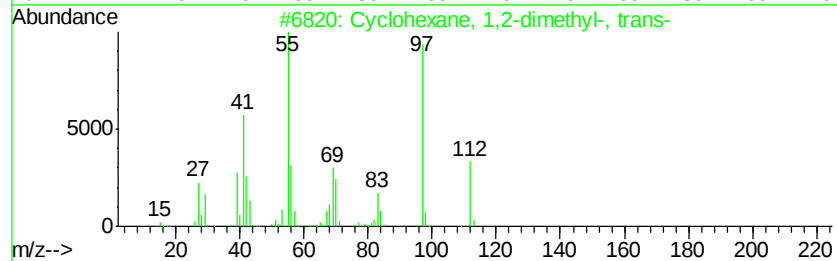
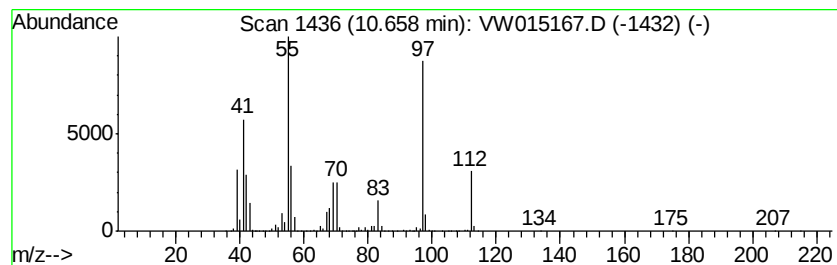
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic10.66 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	92.56 ug/L	3474490	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	94
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
5		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

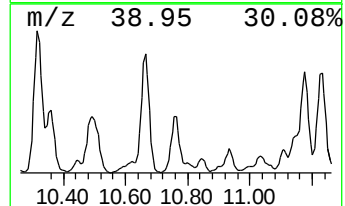
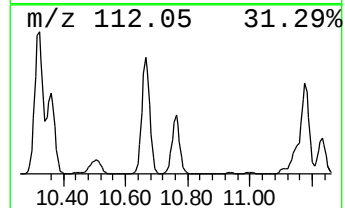
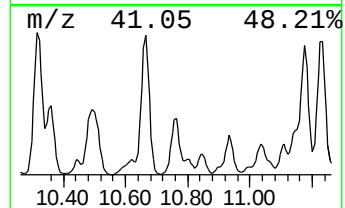
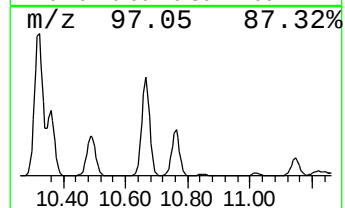
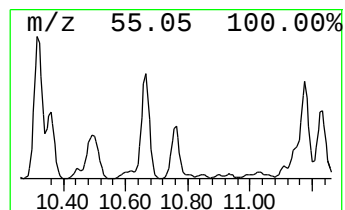
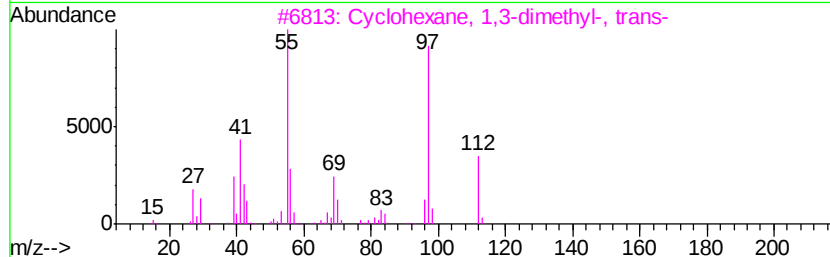
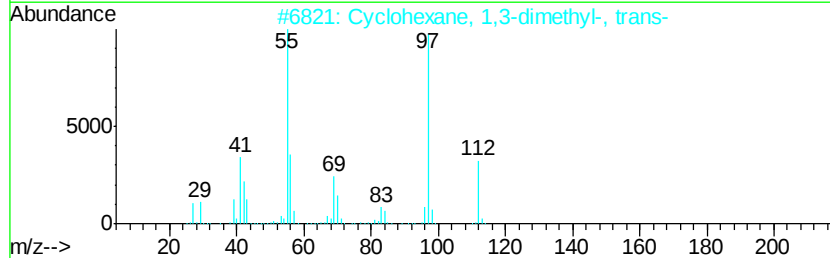
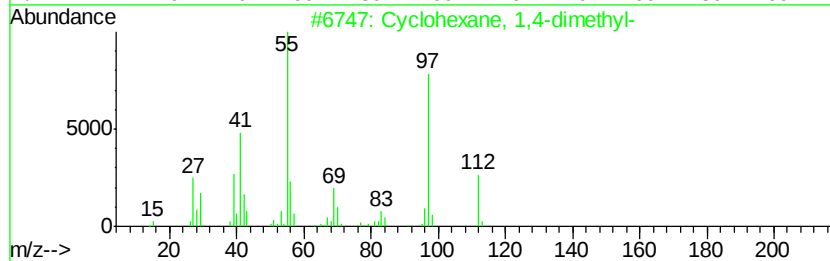
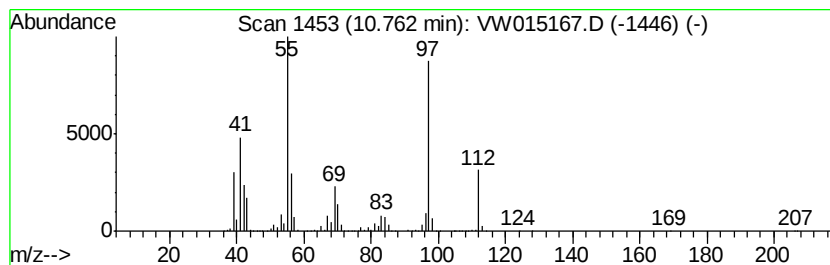
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic10.76 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	45.69 ug/L	1715120	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	97
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

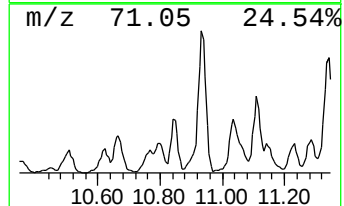
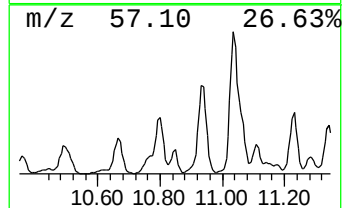
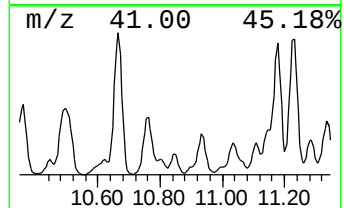
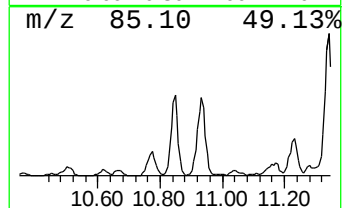
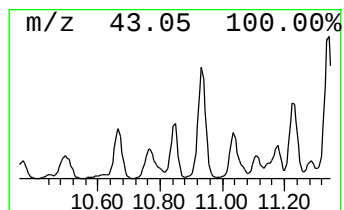
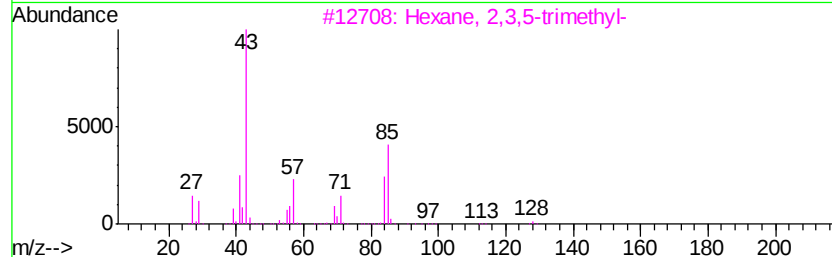
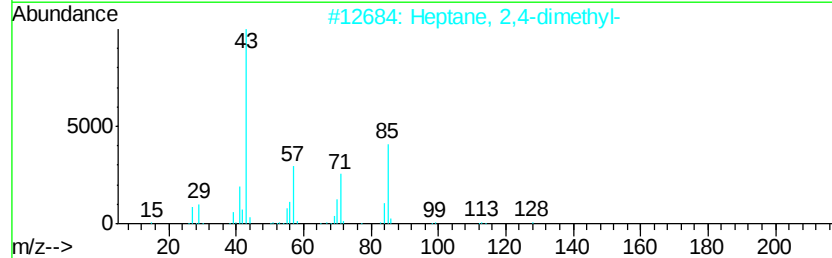
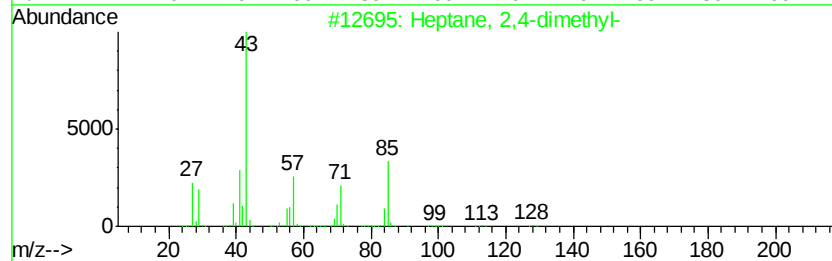
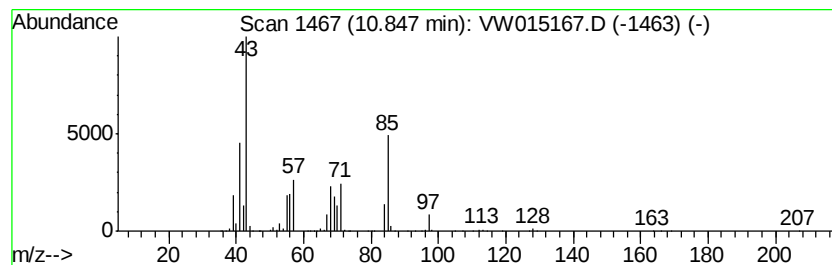
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	10.67 ug/L	400627	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	68
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
4		Oxalic acid, diisohexyl ester	258	C14H26O4	1000309-32-9	53
5		Nonane	128	C9H20	000111-84-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

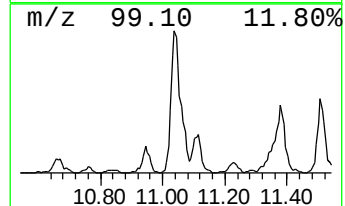
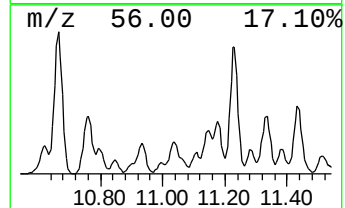
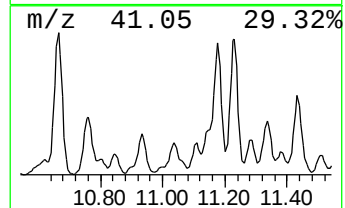
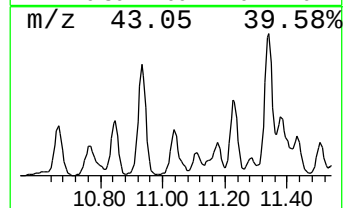
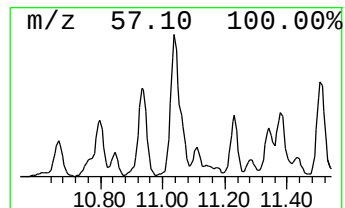
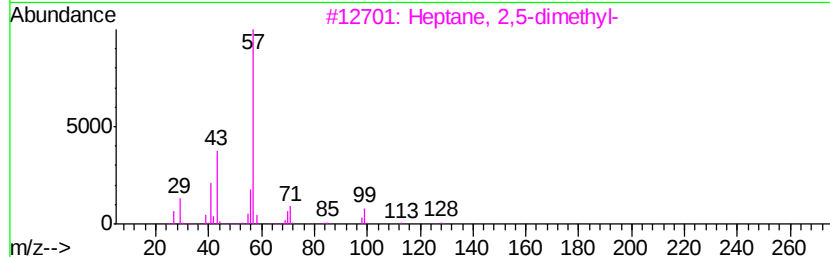
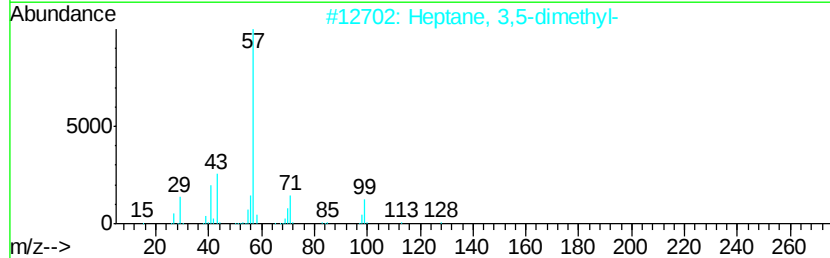
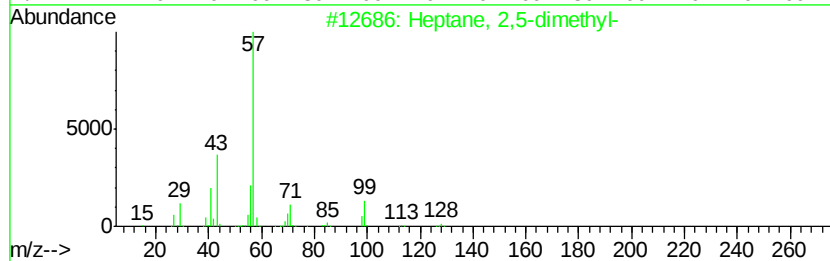
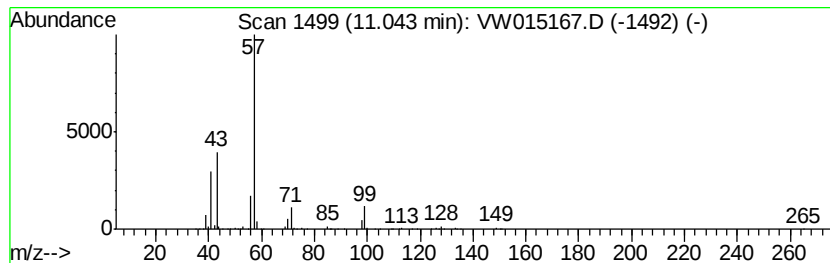
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	16.02 ug/L	601453	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
4		Octane, 3-methyl-	128	C9H20	002216-33-3	86
5		Octane, 3-methyl-	128	C9H20	002216-33-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

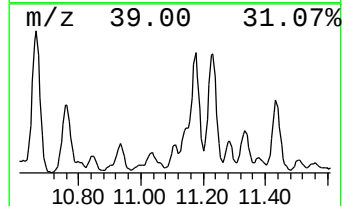
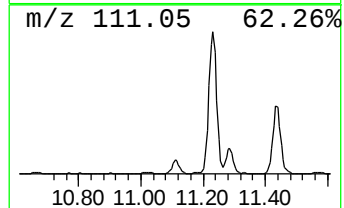
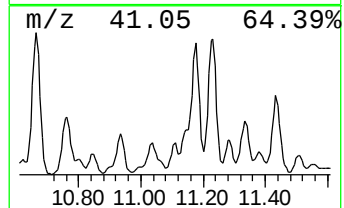
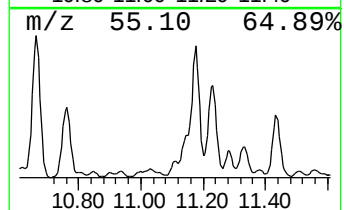
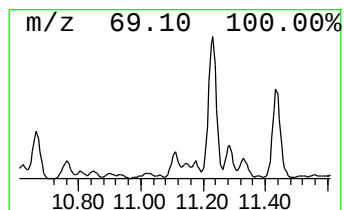
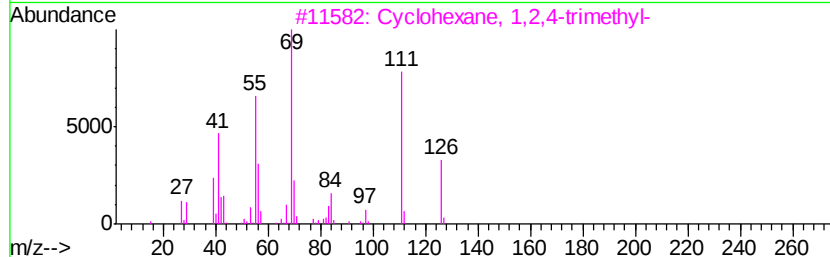
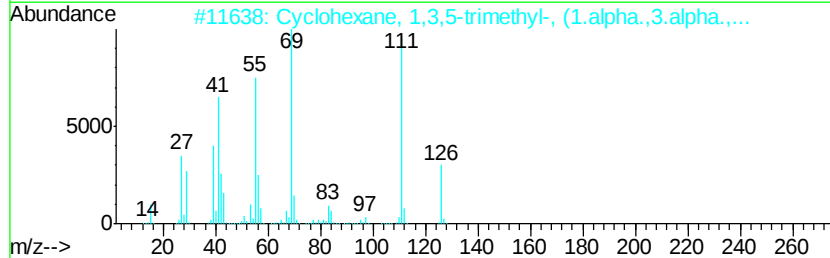
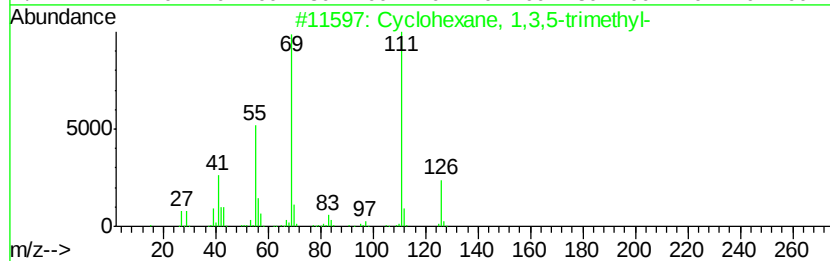
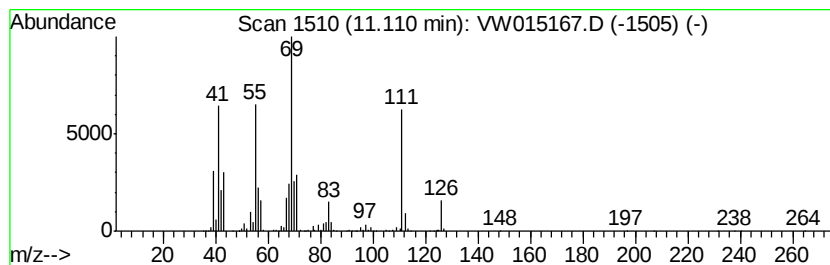
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.11 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	13.54 ug/L	508185	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

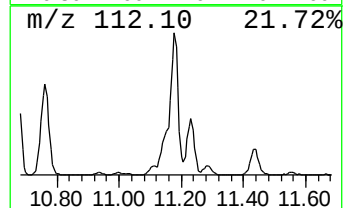
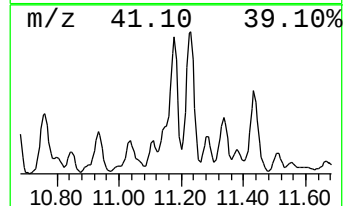
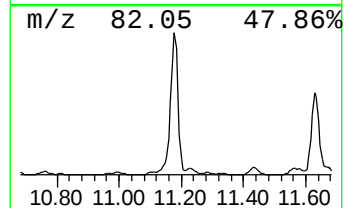
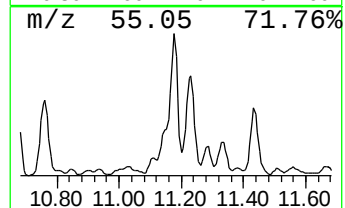
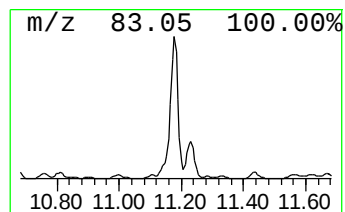
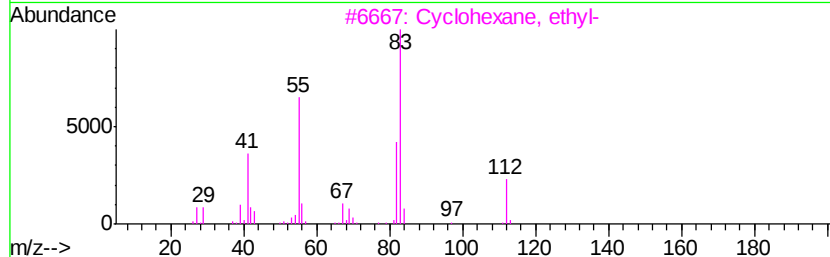
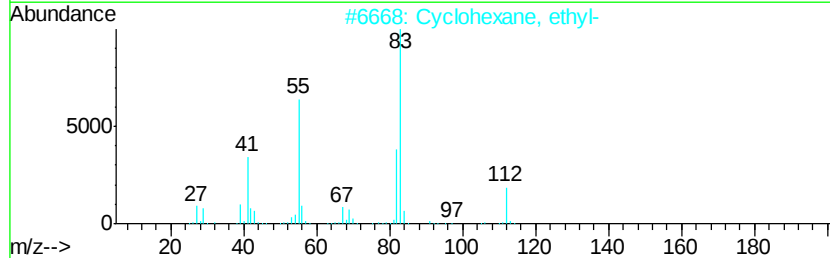
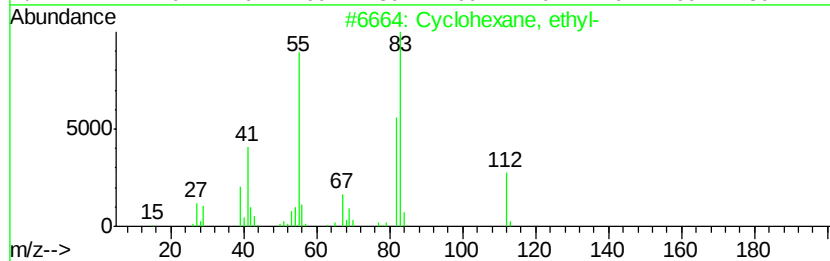
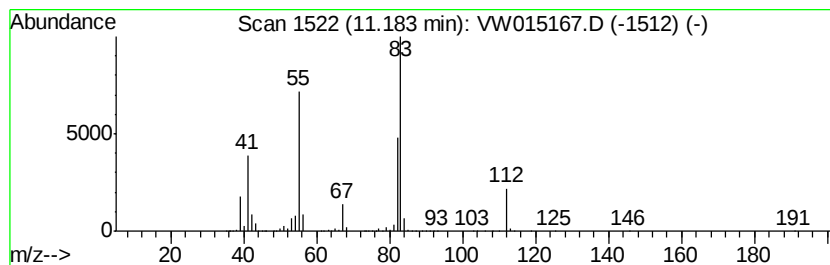
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic11.18 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	67.37 ug/L	2528920	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

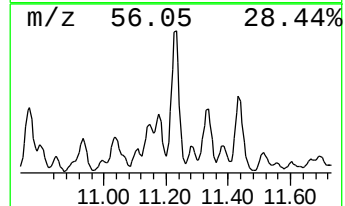
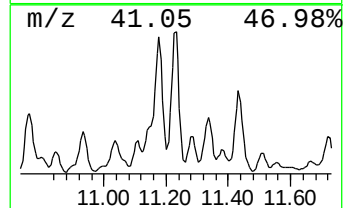
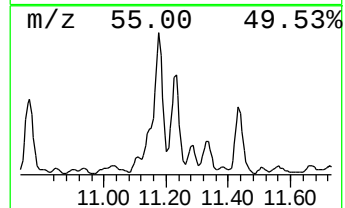
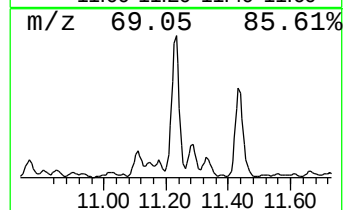
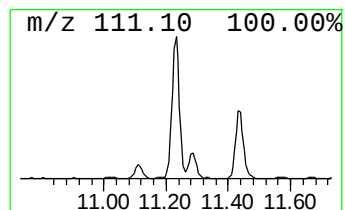
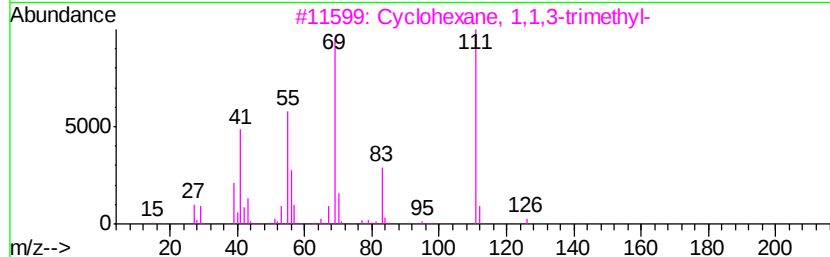
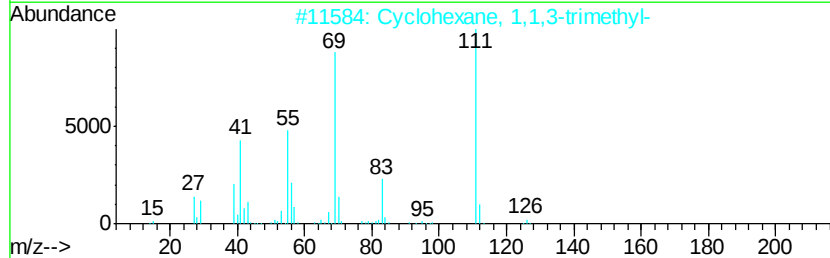
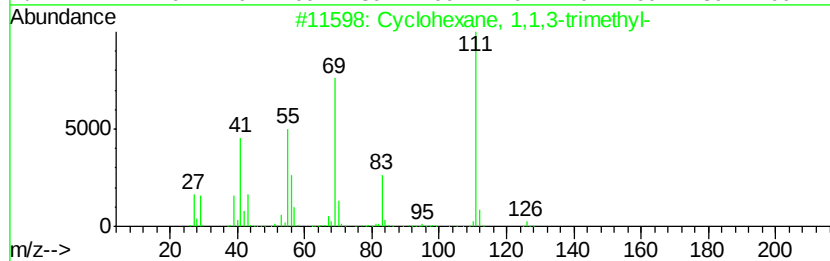
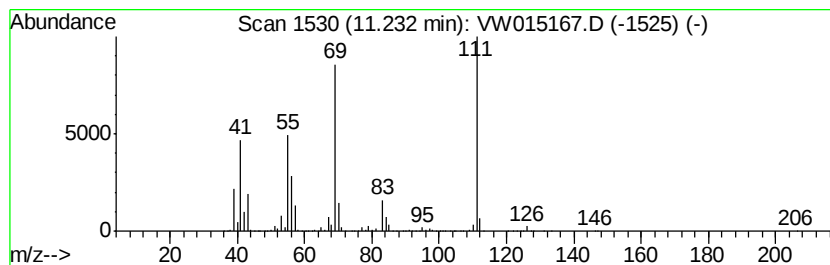
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic11.23 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	82.36 ug/L	3091420	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	78
5		Cyclooctane, butyl-	168	C12H24	016538-93-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
 Data File : VW015167.D
 Acq On : 08 Apr 2020 13:34
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.48G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J1

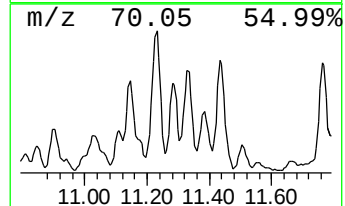
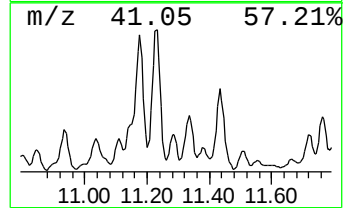
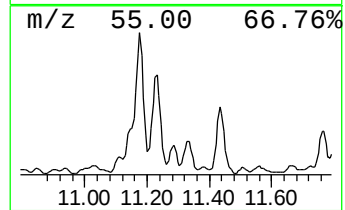
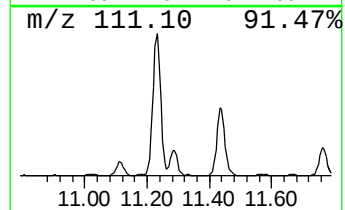
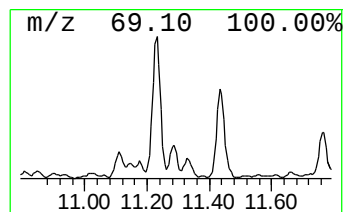
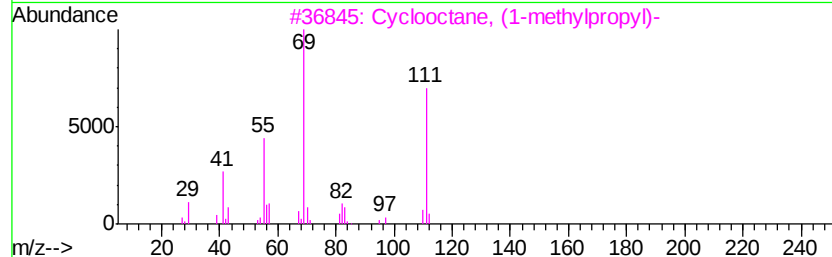
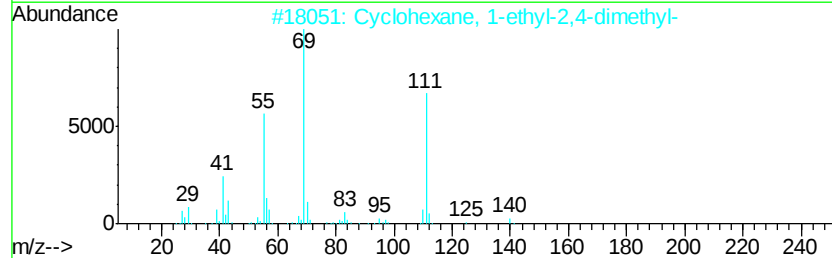
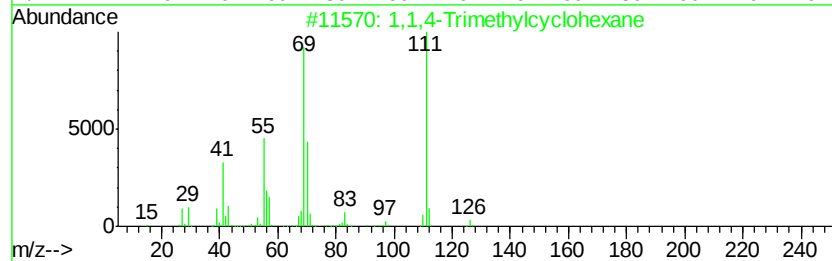
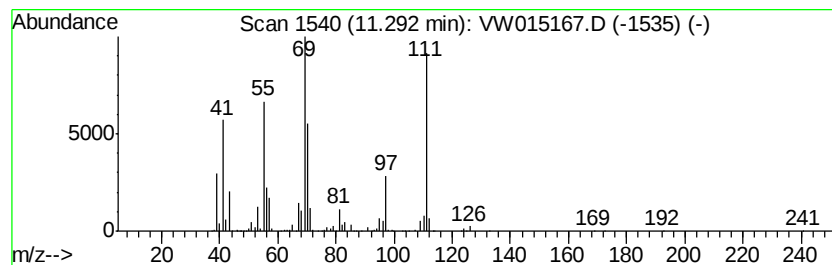
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 Quant Title : VOC Analysis

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

 Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	13.29 ug/L	498904	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	87
2		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64
3		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
5		Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

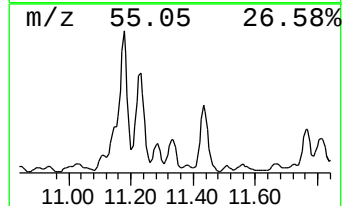
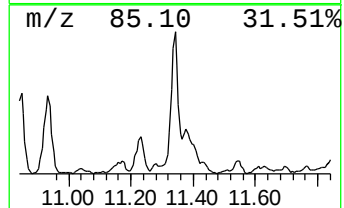
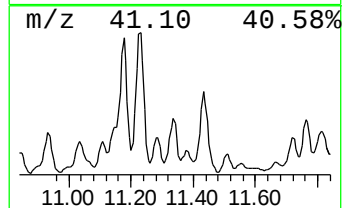
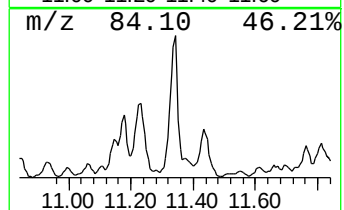
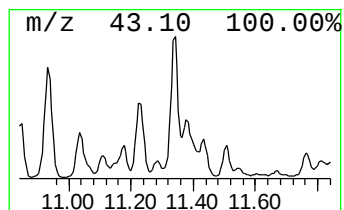
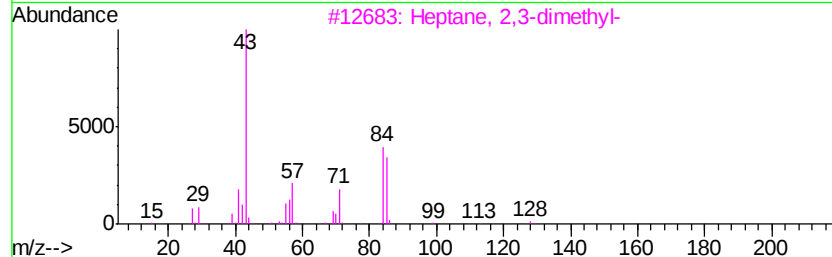
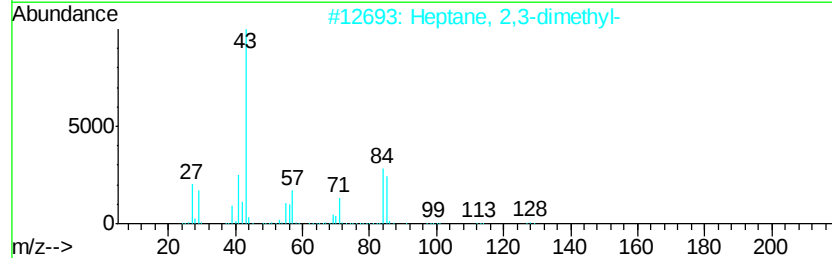
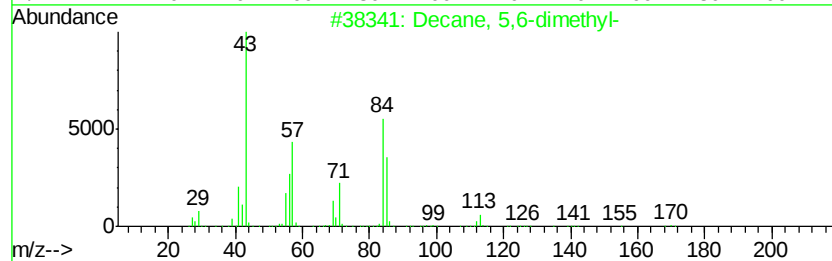
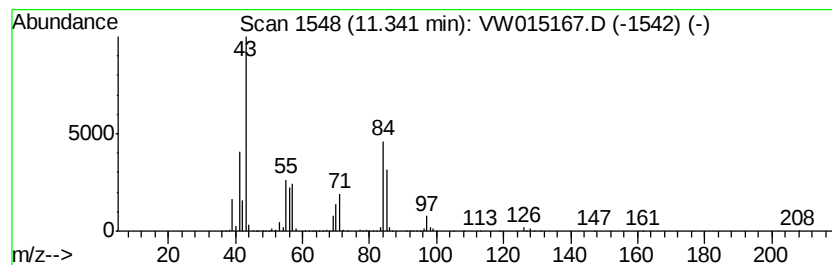
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	25.22 ug/L	946721	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	53
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	49
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	49
5		Nonane, 4-ethyl-5-methyl-	170	C12H26	001632-71-9	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

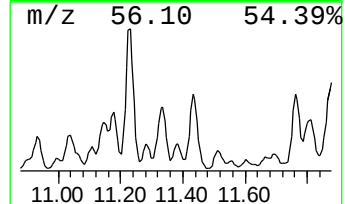
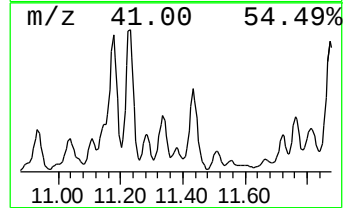
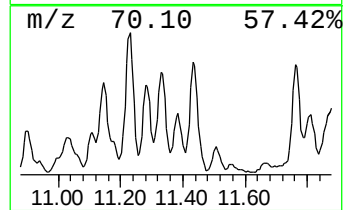
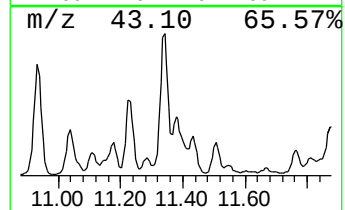
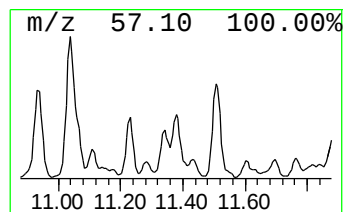
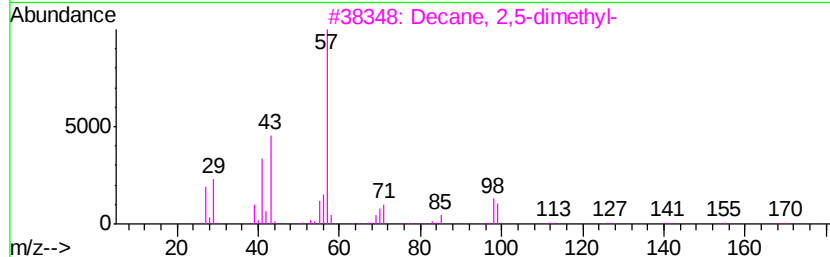
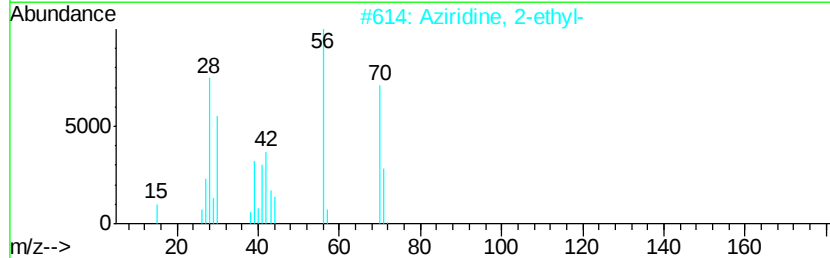
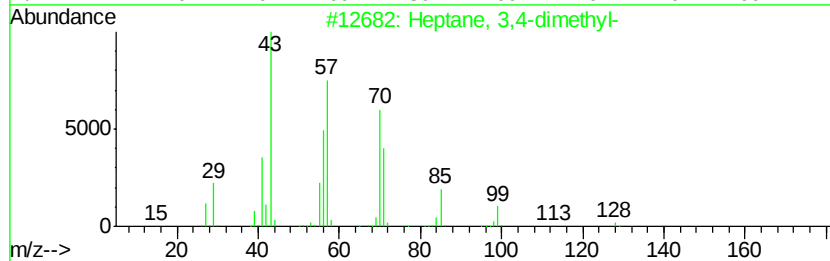
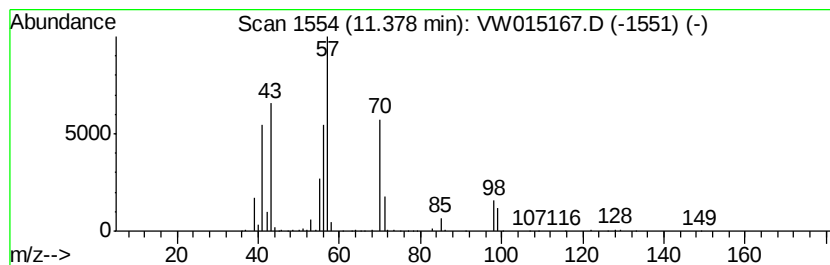
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	5.21 ug/L	195655	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	50
2			Aziridine, 2-ethyl-	71	C4H9N	002549-67-9	47
3			Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	43
4			Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

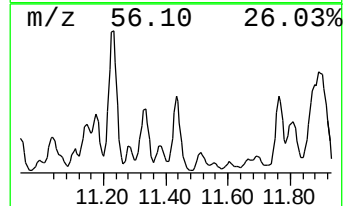
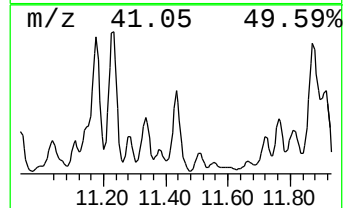
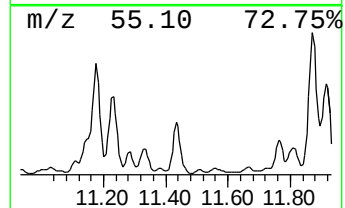
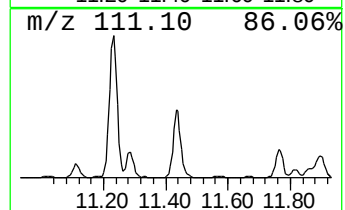
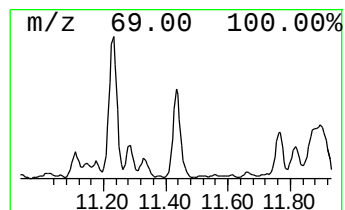
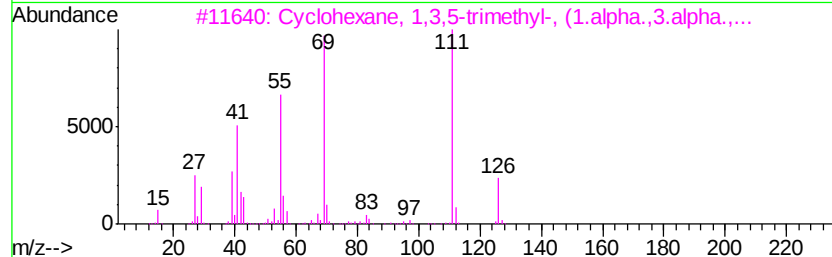
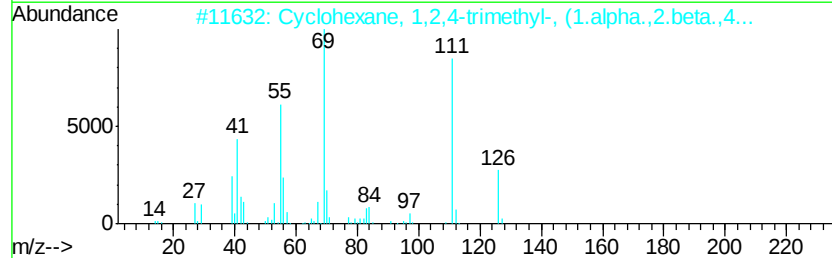
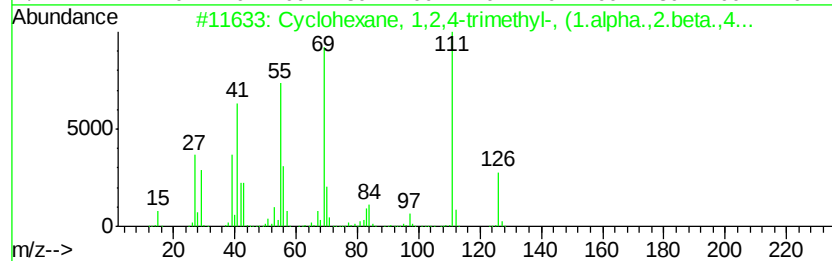
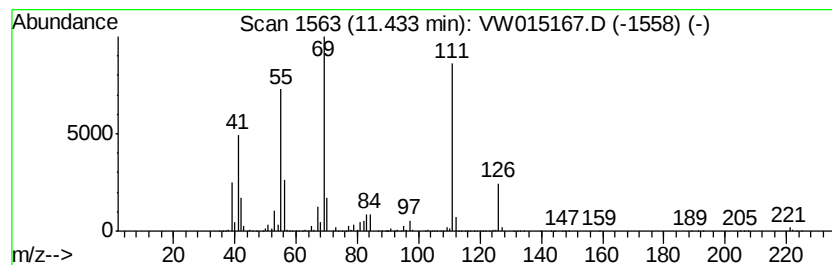
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic11.43 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.43	55.69 ug/L	2090310	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
3		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
5		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

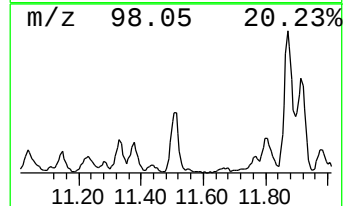
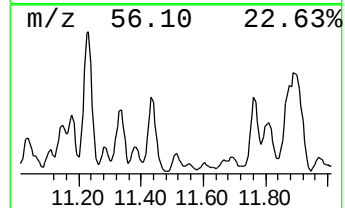
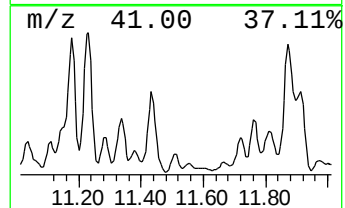
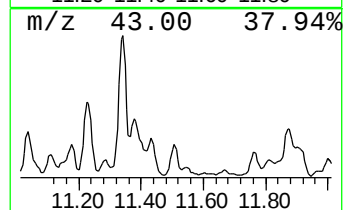
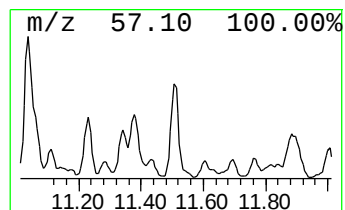
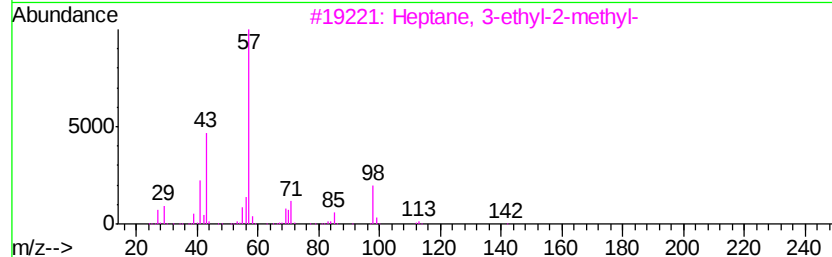
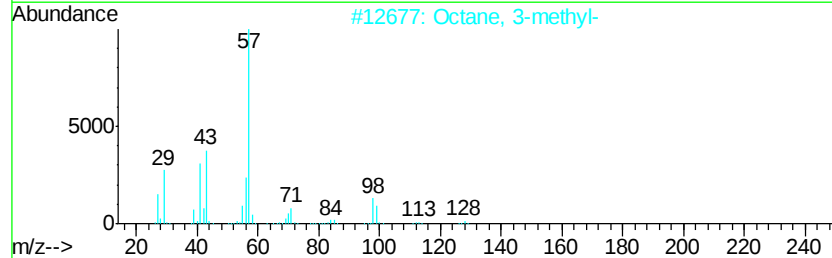
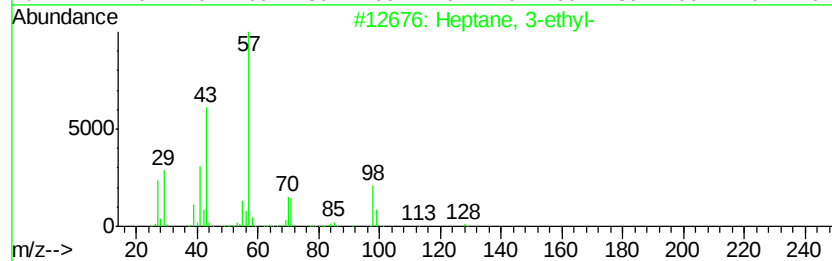
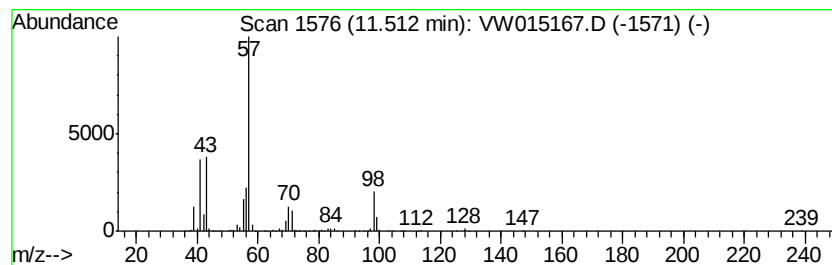
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	9.92 ug/L	372343	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	91
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	72
5		Octane, 3-methyl-	128	C9H20	002216-33-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

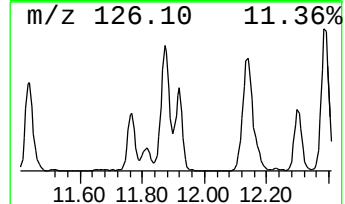
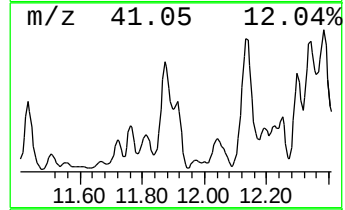
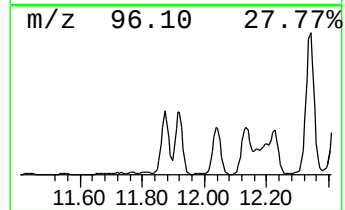
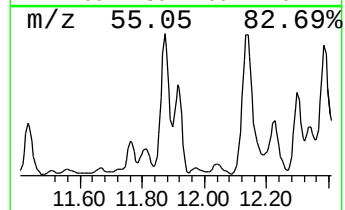
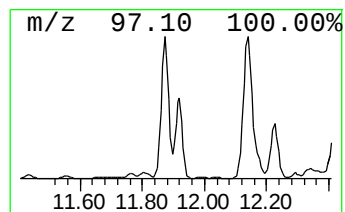
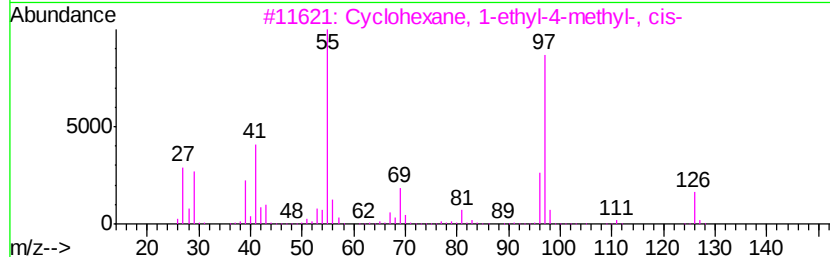
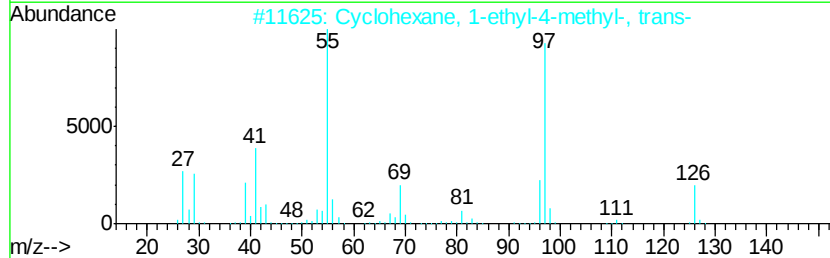
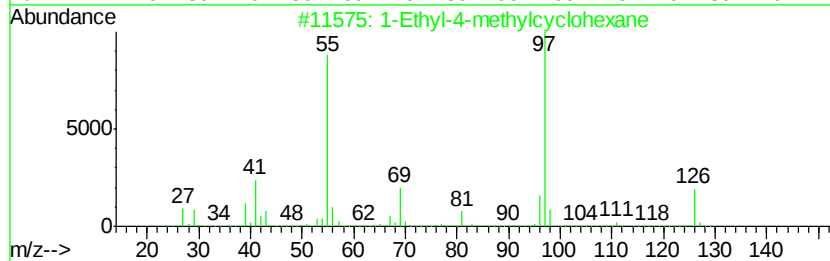
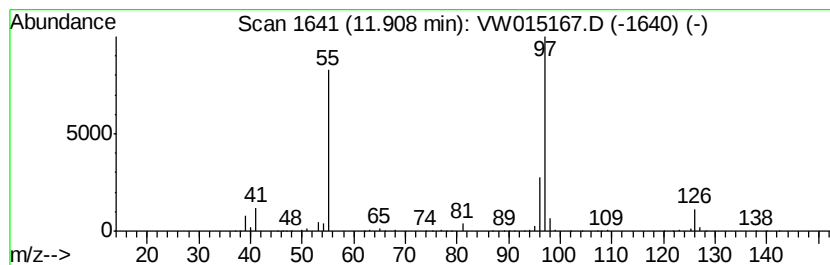
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic11.91 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	44.56 ug/L	1672580	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

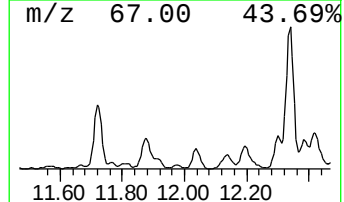
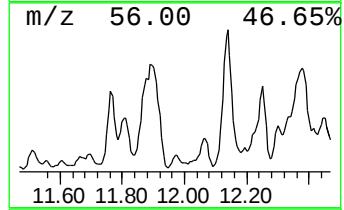
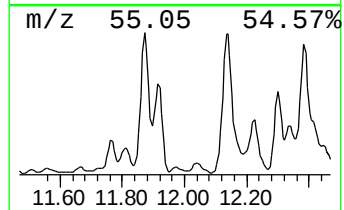
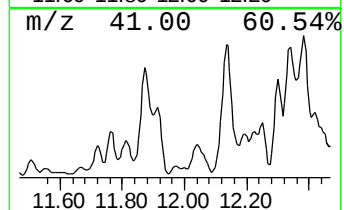
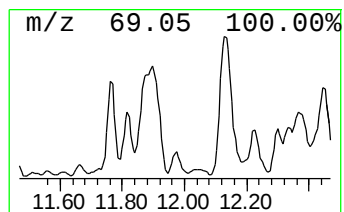
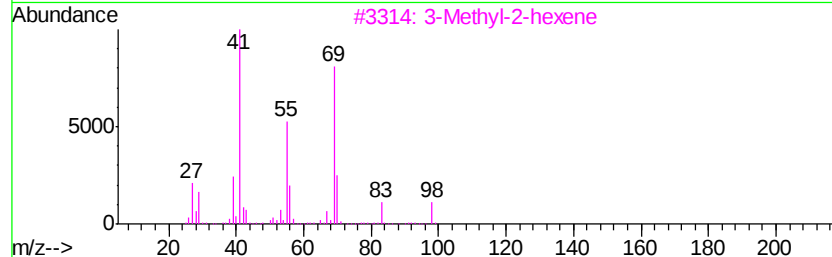
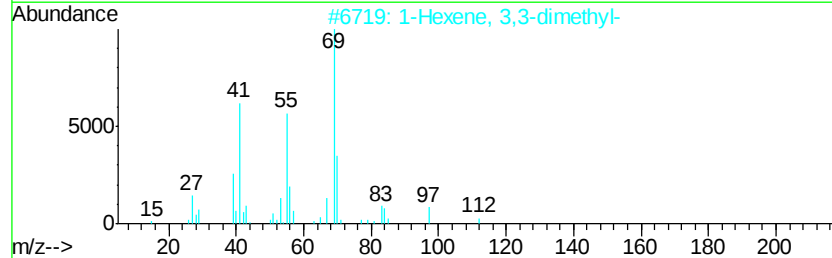
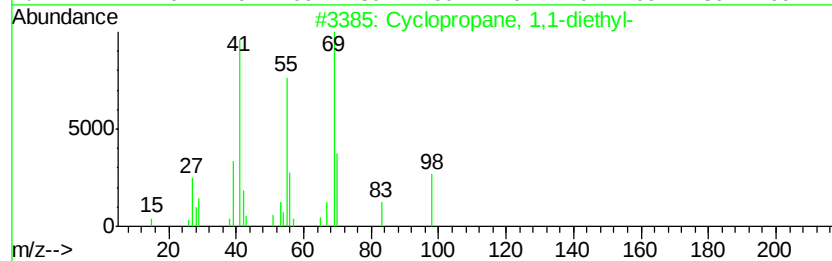
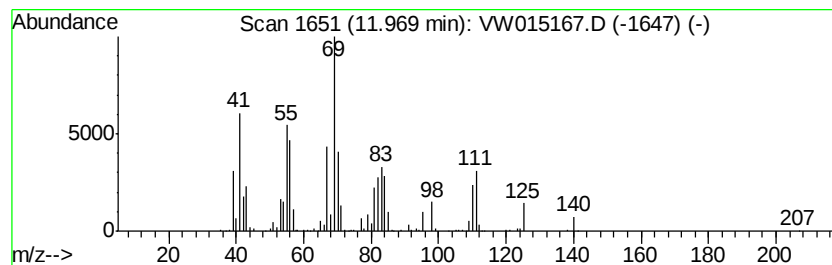
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Cyclic11.97 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.94 ug/L	373254	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46
2		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
3		3-Methyl-2-hexene	98	C7H14	017618-77-8	43
4		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43
5		2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

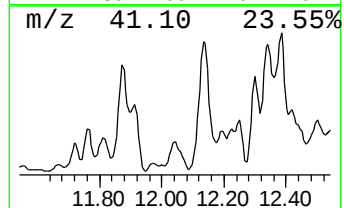
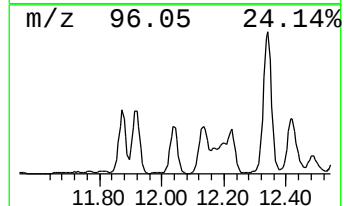
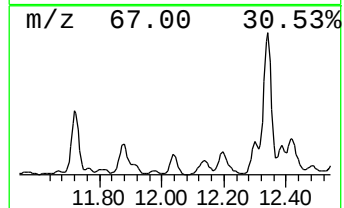
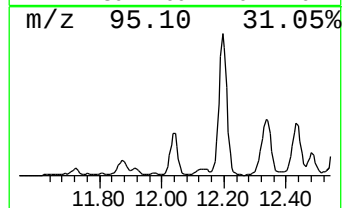
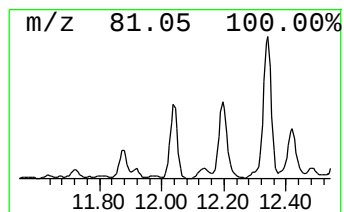
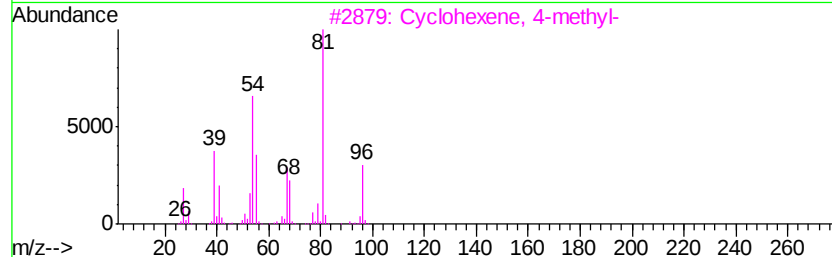
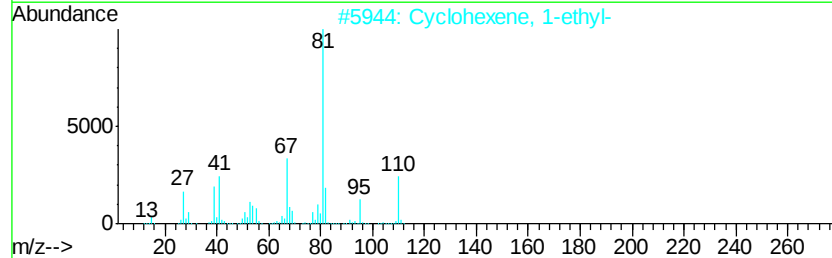
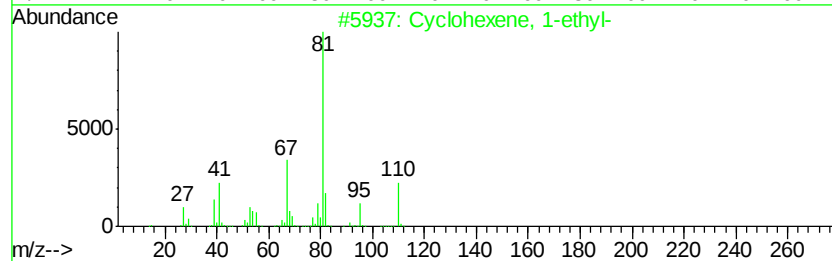
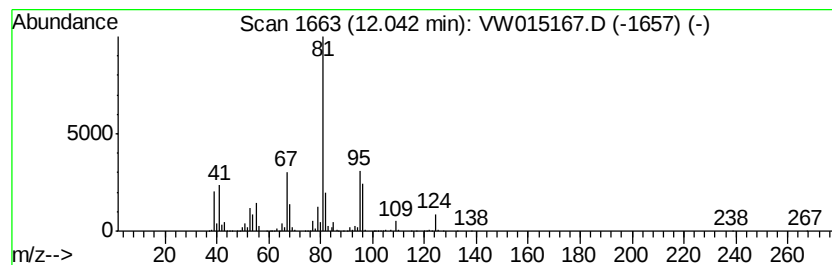
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Quant Title : VOC Analysis

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

Peak Number 34 Cyclohexene, 1-ethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	40.06 ug/L	1503760	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	64
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
3		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	58
4		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	58
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

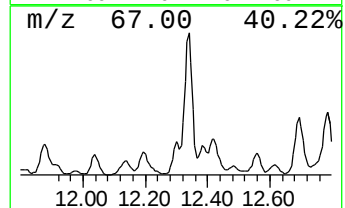
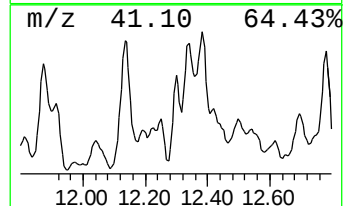
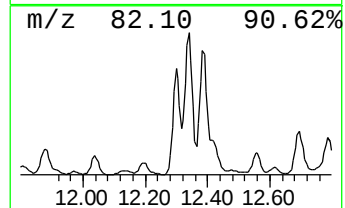
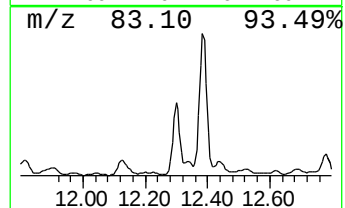
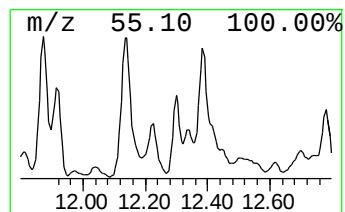
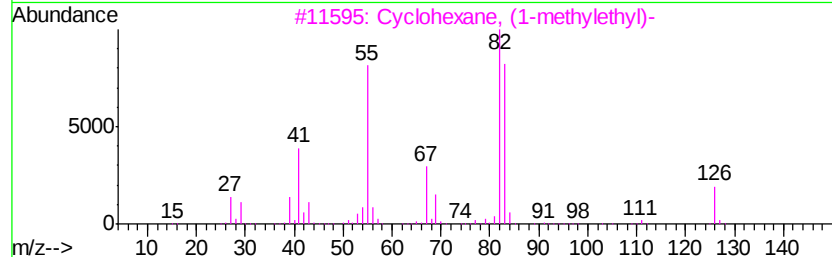
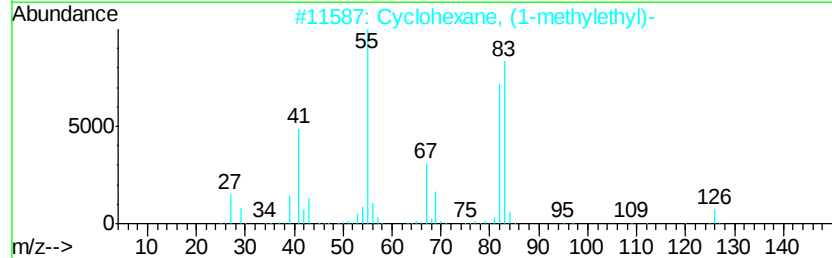
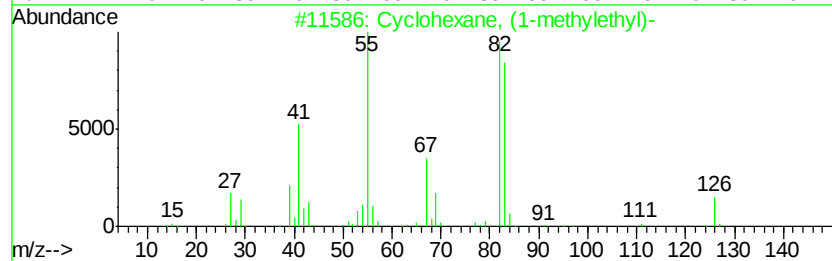
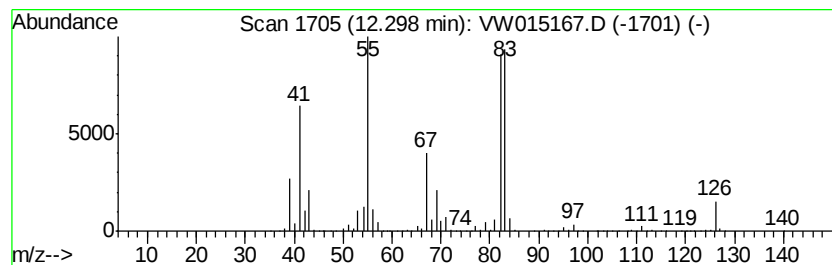
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic12.30 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	61.85 ug/L	2321650	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	96
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	95
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	94
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

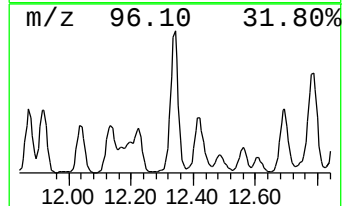
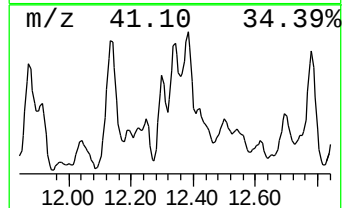
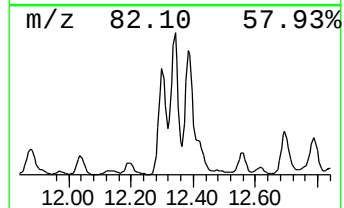
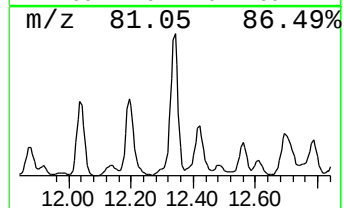
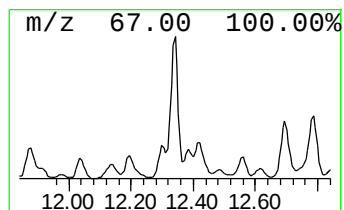
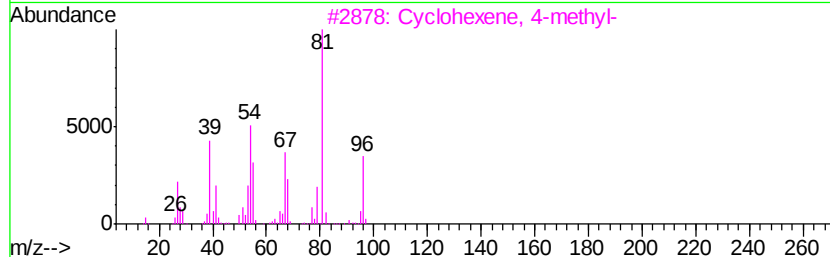
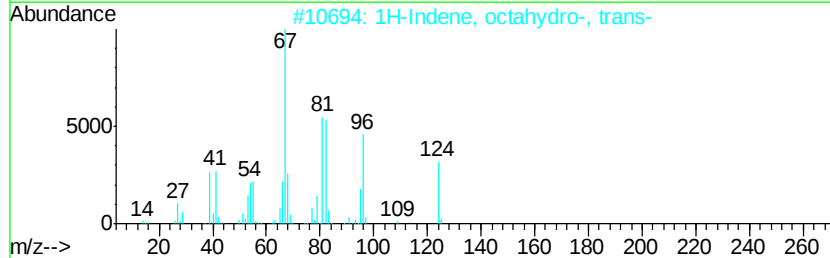
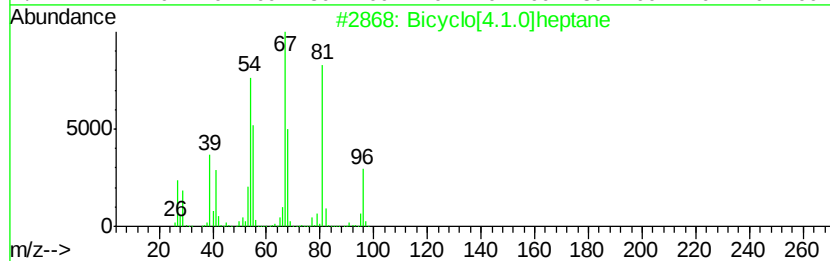
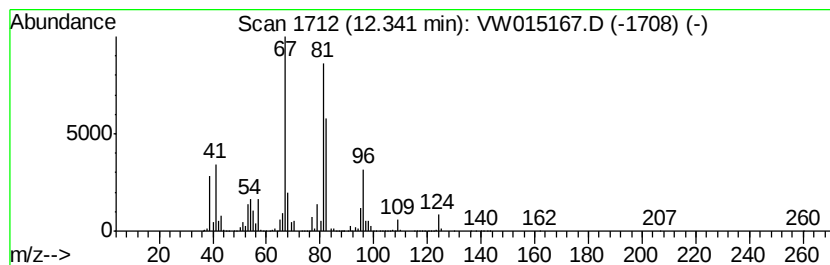
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Quant Title : VOC Analysis

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

Peak Number 36 Bicyclo[4.1.0]heptane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	113.86 ug/L	4273780	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	64
2		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
3		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	49
4		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
5		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

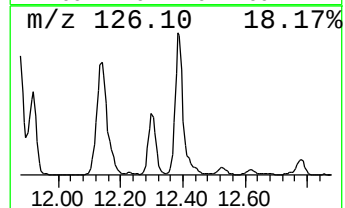
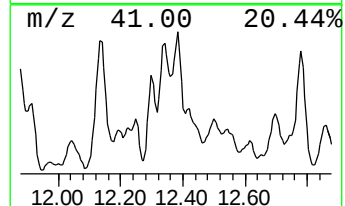
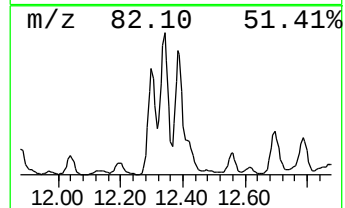
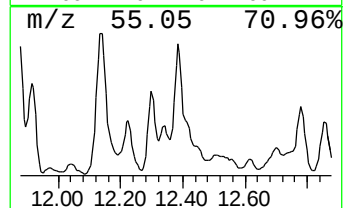
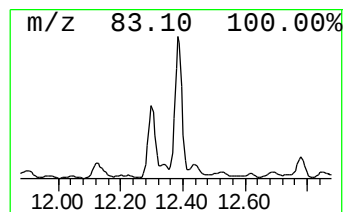
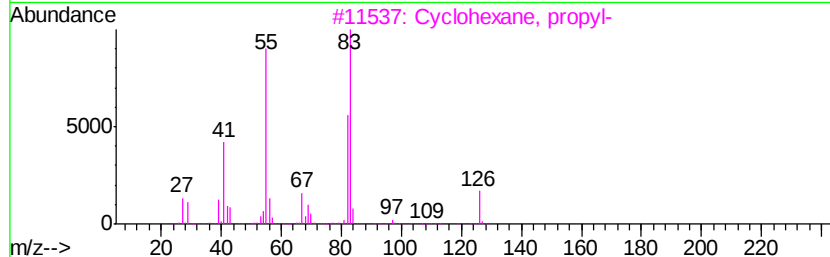
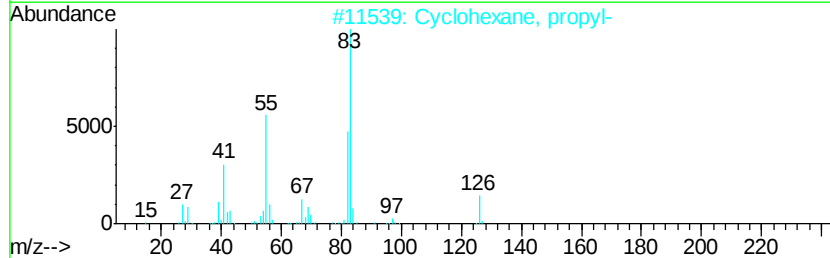
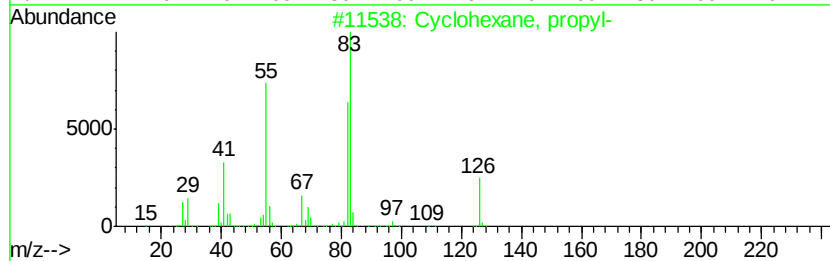
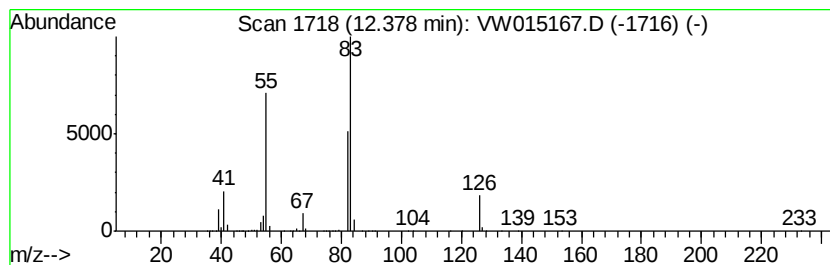
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Cyclic12.38 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	44.48 ug/L	1669660	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	86
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	78
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	56
5		Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

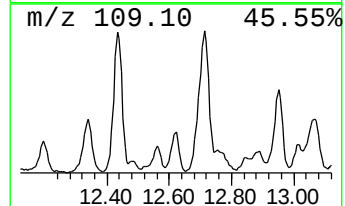
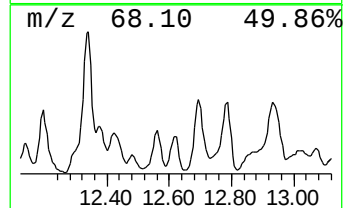
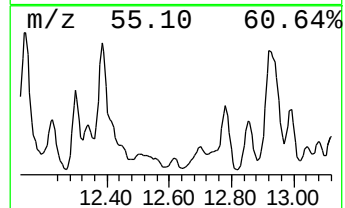
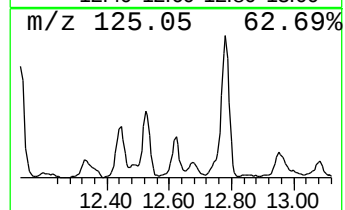
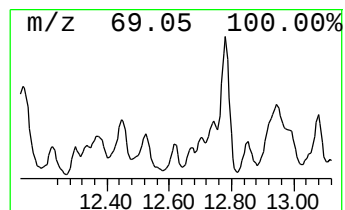
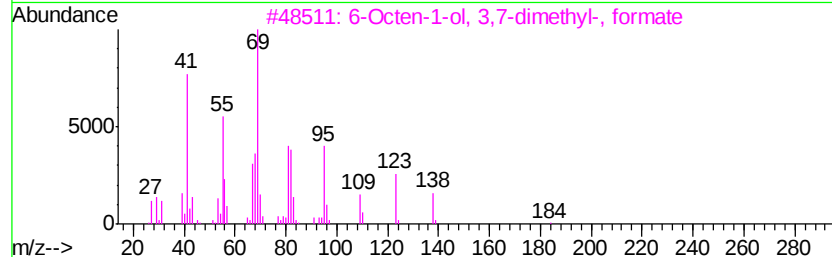
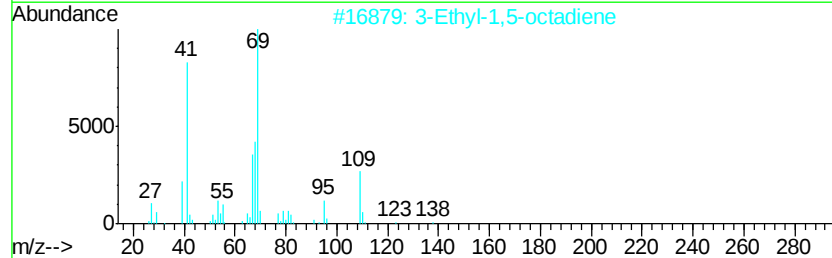
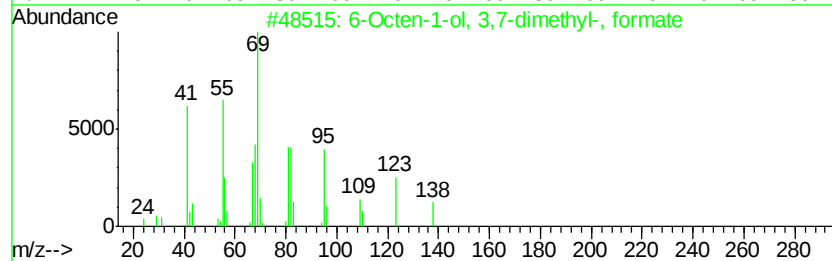
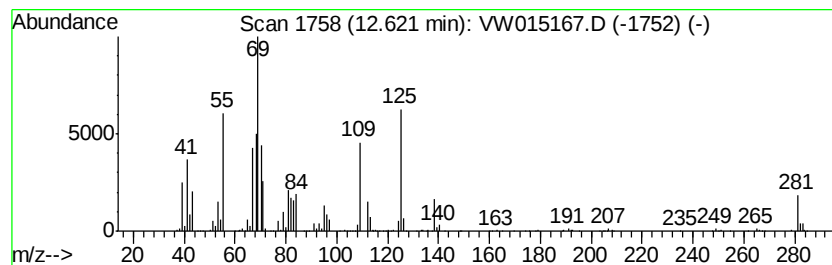
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Quant Title : VOC Analysis

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

Peak Number 38 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	60.31 ug/L	881785	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Octen-1-ol, 3,7-dimethyl-, for...	184	C11H20O2	000105-85-1	47
2		3-Ethyl-1,5-octadiene	138	C10H18	1000114-87-7	37
3		6-Octen-1-ol, 3,7-dimethyl-, for...	184	C11H20O2	000105-85-1	37
4		3-Heptene, 4-methyl-	112	C8H16	004485-16-9	25
5		Citronellyl isobutyrate	226	C14H26O2	000097-89-2	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG2J1

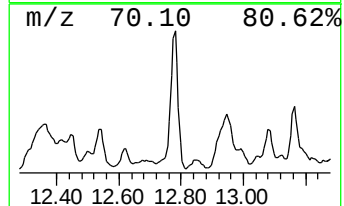
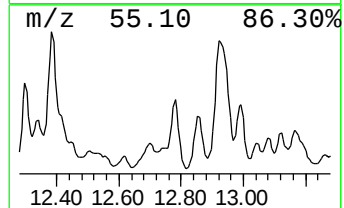
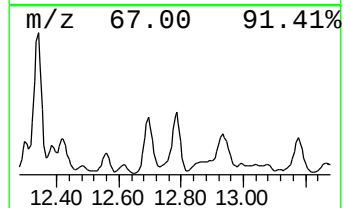
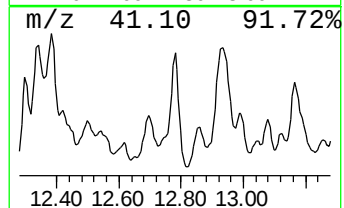
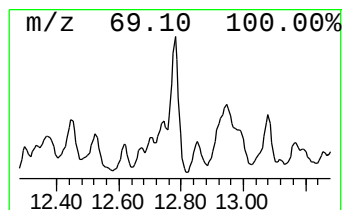
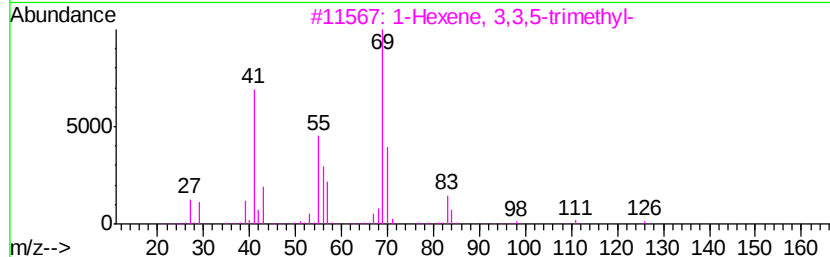
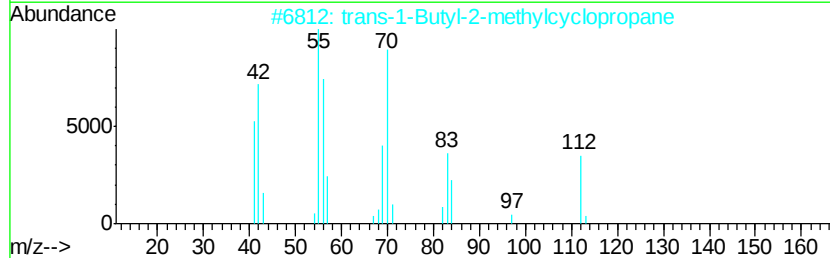
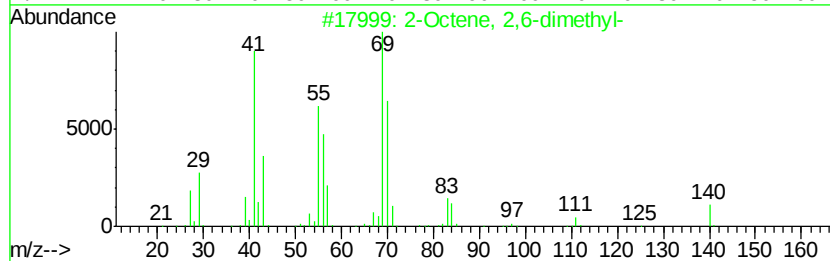
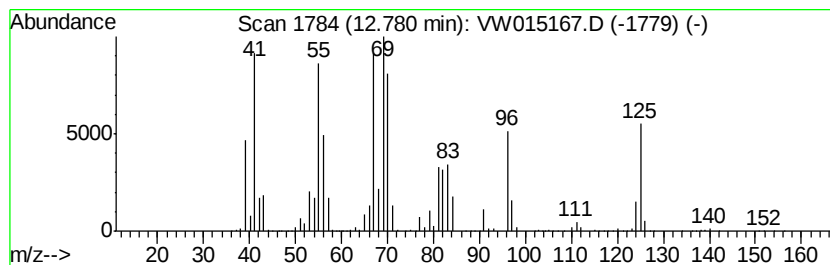
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Quant Title : VOC Analysis

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

Peak Number 39 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	300.13 ug/L	4388360	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
2		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38
3		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	30
4		2-Propen-1-amine, N-2-propenyl-	97	C6H11N	000124-02-7	25
5		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

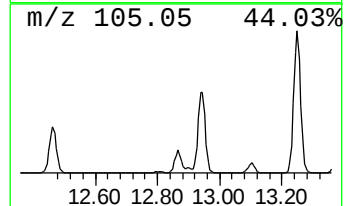
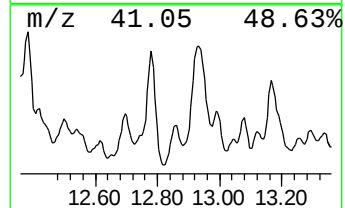
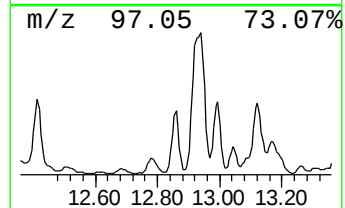
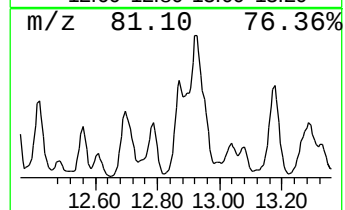
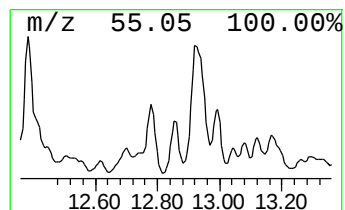
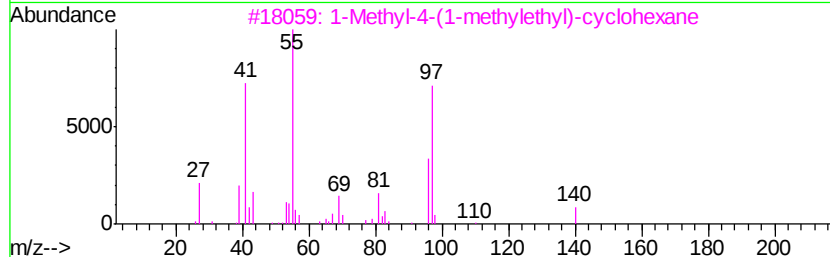
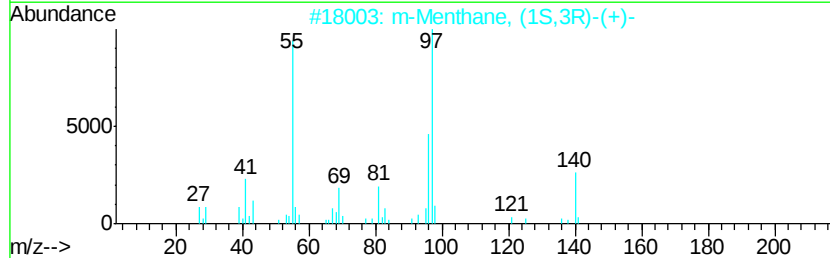
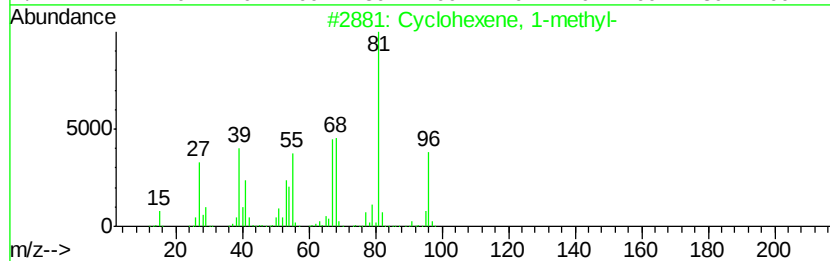
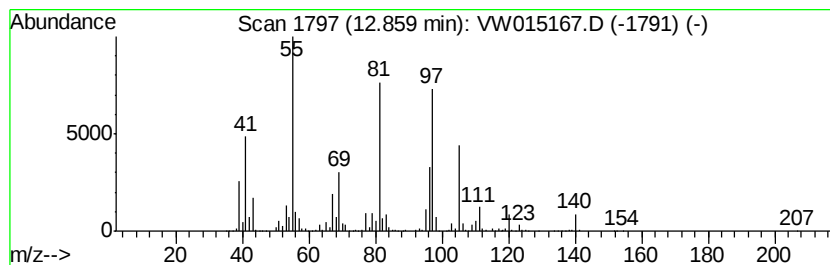
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Quant Title : VOC Analysis

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

Peak Number 40 unknown-04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	138.68 ug/L	2027740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
2		m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	43
3		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	41
4		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

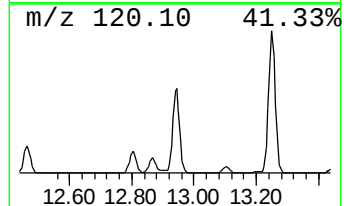
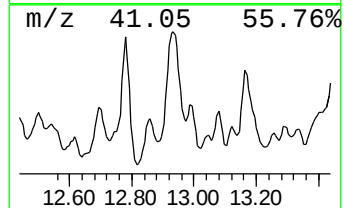
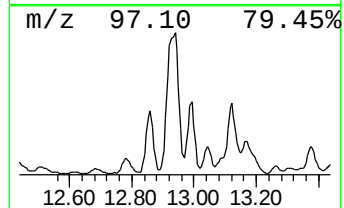
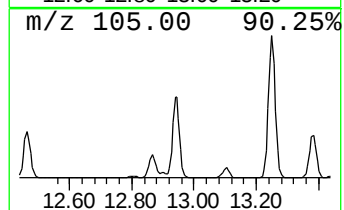
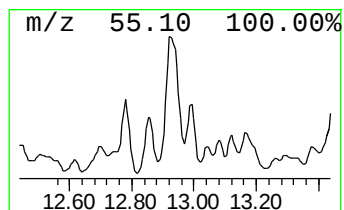
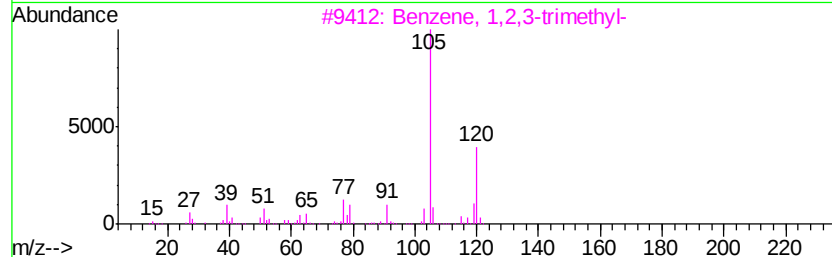
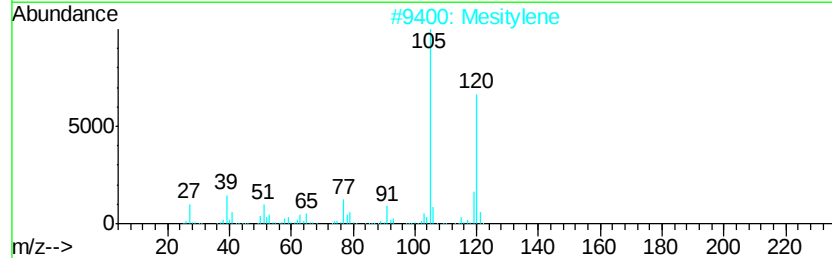
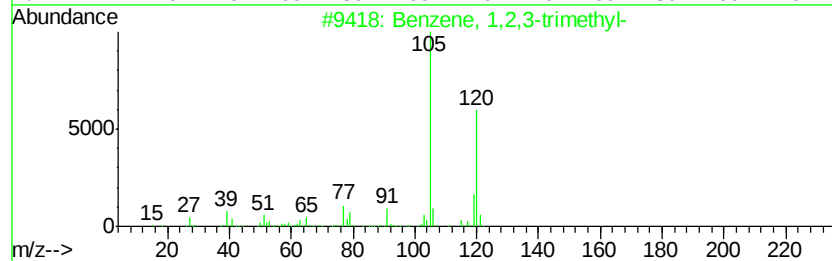
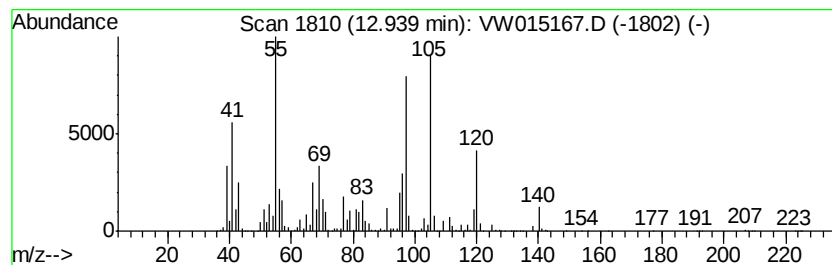
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Quant Title : VOC Analysis

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

Peak Number 41 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	496.02 ug/L	7252540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	55
2		Mesitylene	120	C9H12	000108-67-8	53
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	53
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	44
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	44



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

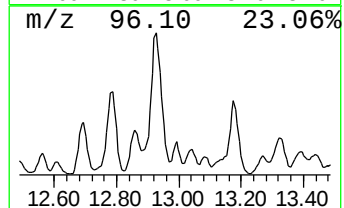
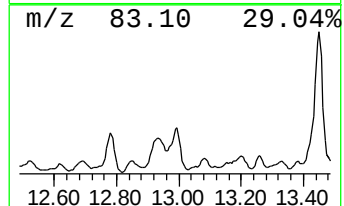
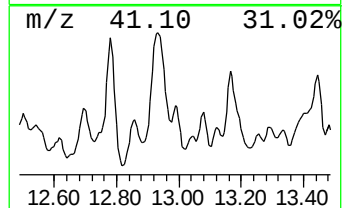
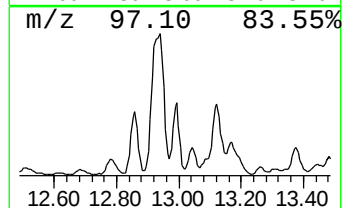
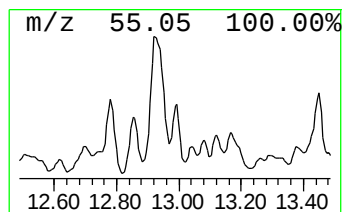
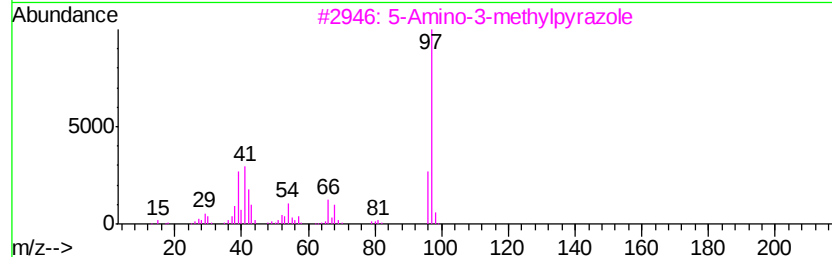
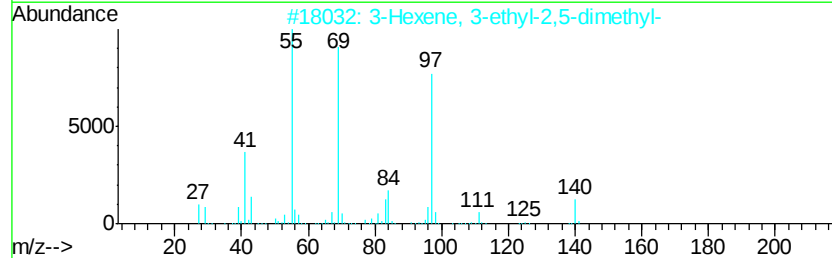
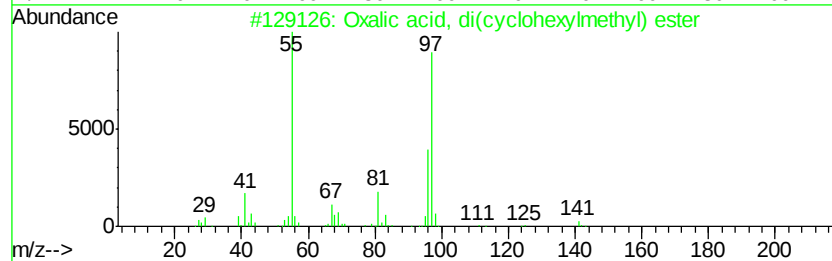
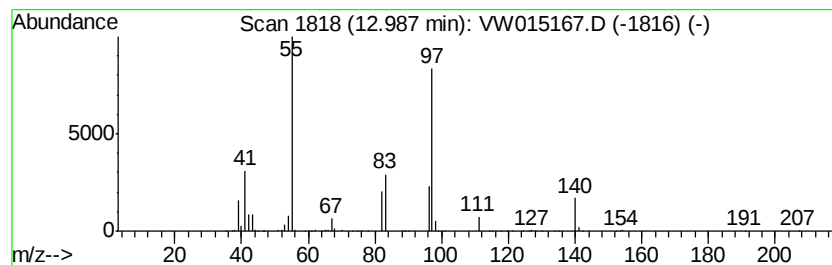
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 42 Oxalic acid, di(cyclohexylm... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.99	61.56 ug/L	900161	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxalic acid, di(cvclohexylmethvl...	282	C16H26O4	1000309-68-5	53
2		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	50
3		5-Amino-3-methylpvrazole	97	C4H7N3	031230-17-8	46
4		Oxalic acid, cvclohexylmethvl et...	214	C11H18O4	1000309-68-0	45
5		trans-2-Oxabicyclo[4.4.0]decane	140	C9H16O	059958-46-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

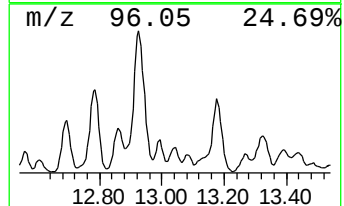
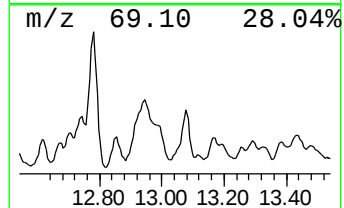
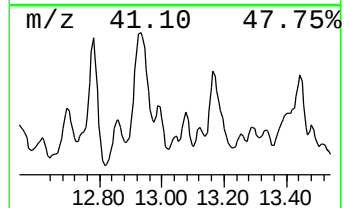
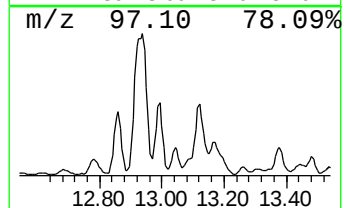
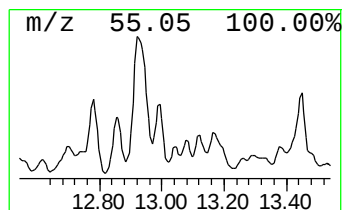
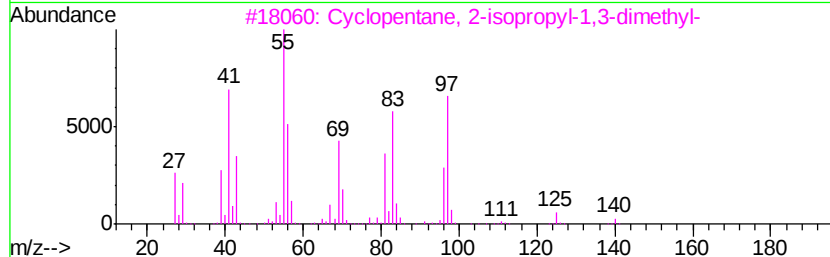
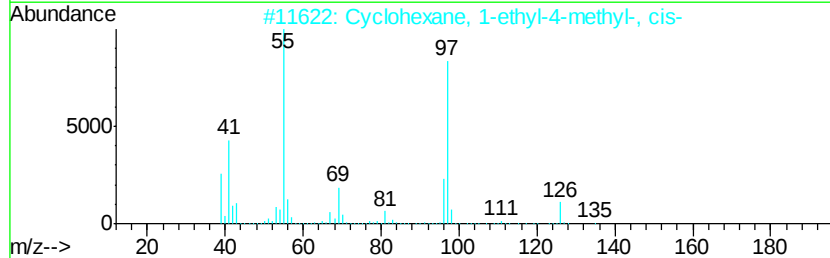
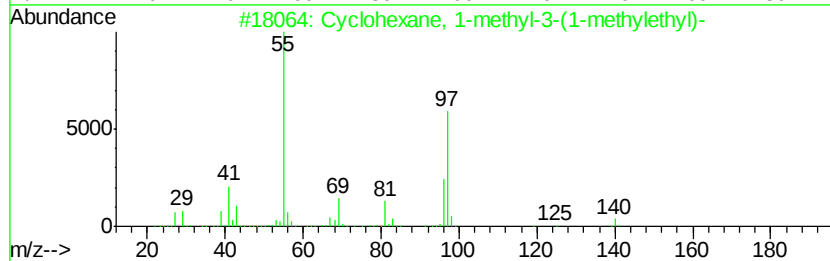
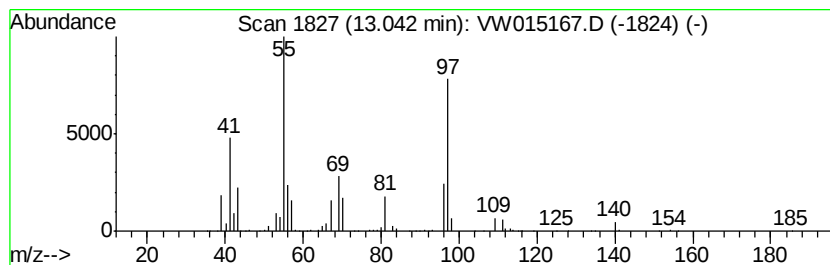
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Cyclic13.04 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	15.66 ug/L	229006	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-(1-methyl-...	140	C10H20	016580-24-8	72
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
3			Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	64
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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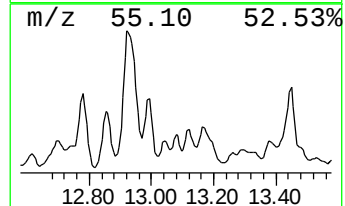
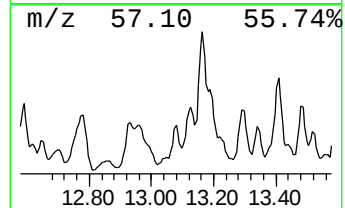
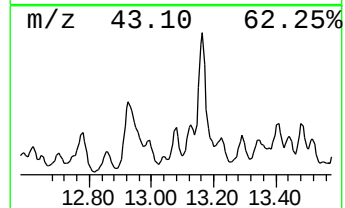
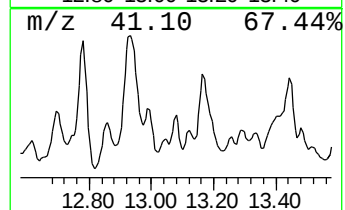
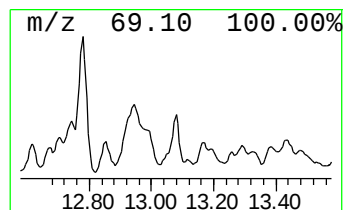
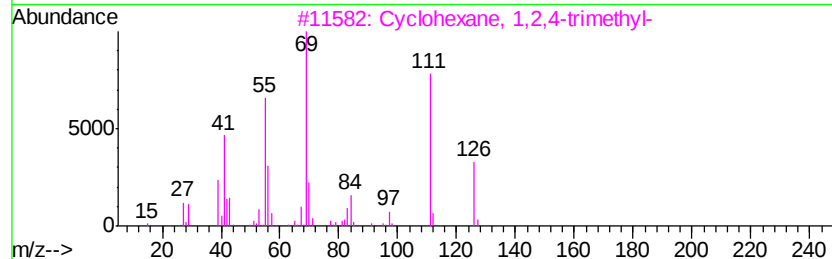
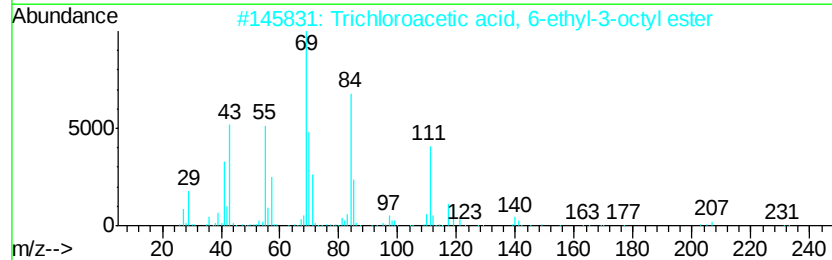
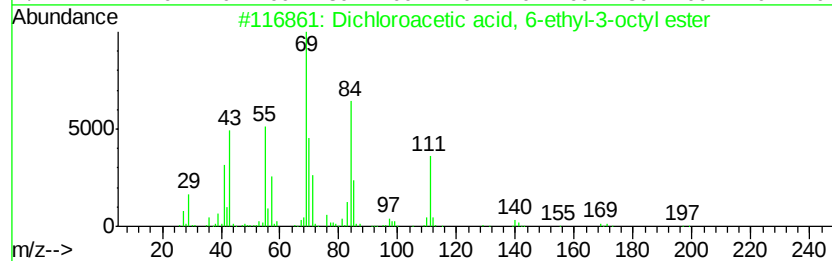
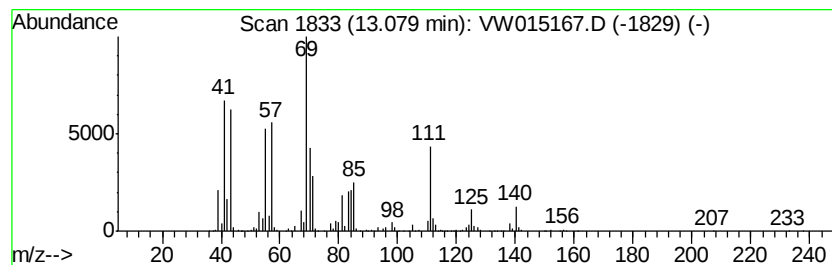
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Quant Title : VOC Analysis

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

Peak Number 44 Dichloroacetic acid, 6-ethy... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	47.46 ug/L	693944	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	64
2		Trichloroacetic acid, 6-ethyl-3-...	302	C12H21Cl3O2	1000282-57-4	64
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
4		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	46
5		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

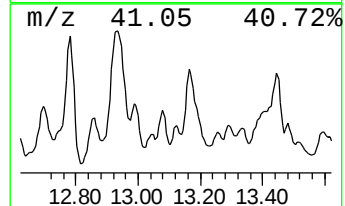
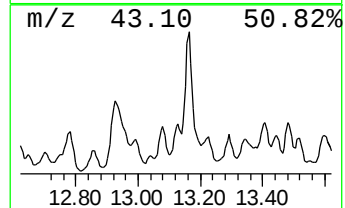
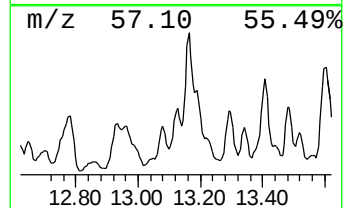
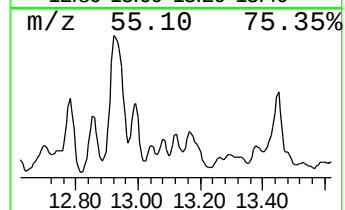
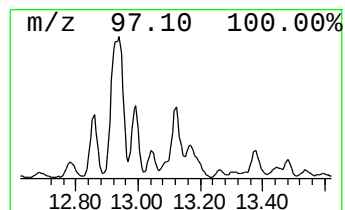
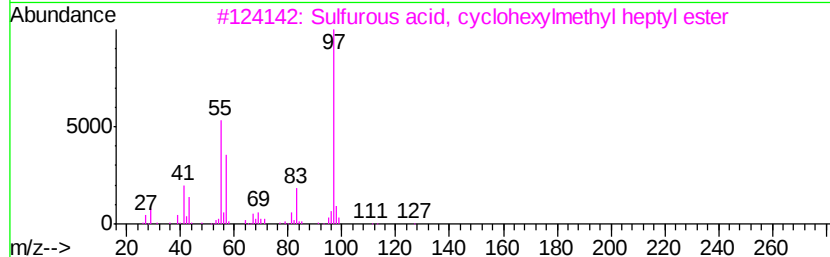
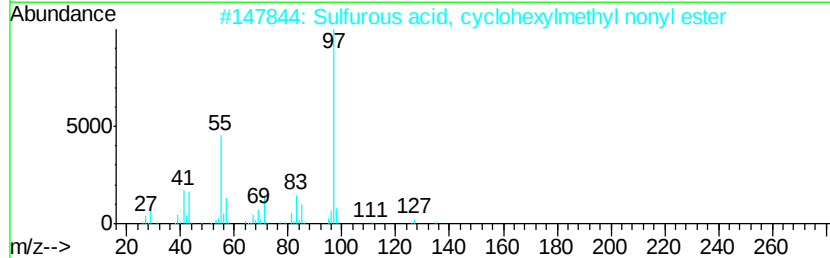
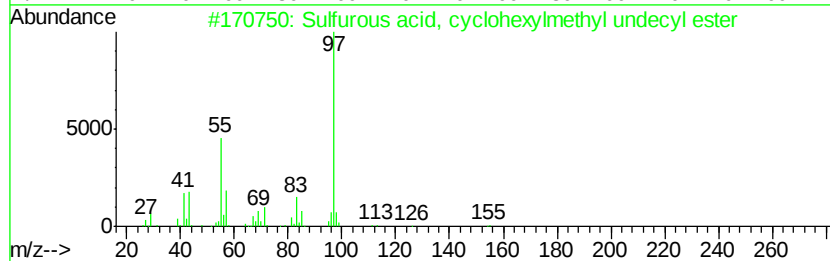
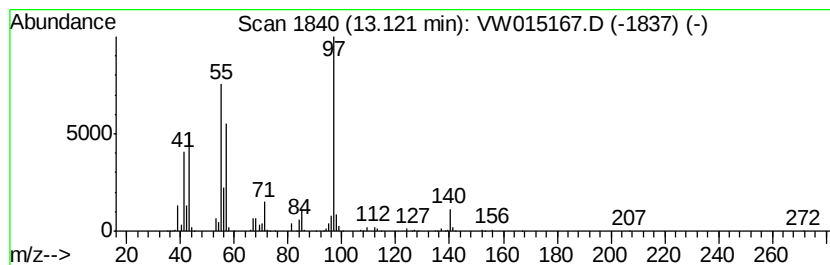
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Quant Title : VOC Analysis

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

Peak Number 45 Sulfurous acid, cyclohexylm... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	27.19 ug/L	397570	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	332	C18H36O3S	1000309-21-9	72
2		Sulfurous acid, cvclohexylmethvl...	304	C16H32O3S	1000309-21-8	64
3		Sulfurous acid, cvclohexylmethvl...	276	C14H28O3S	1000309-21-7	59
4		Sulfurous acid, cvclohexylmethvl...	416	C24H48O3S	1000309-22-5	59
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

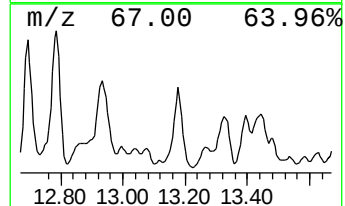
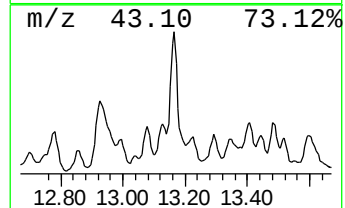
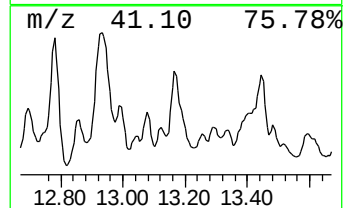
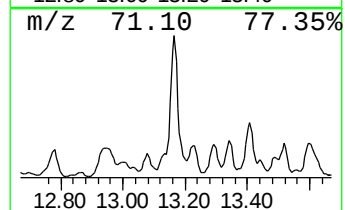
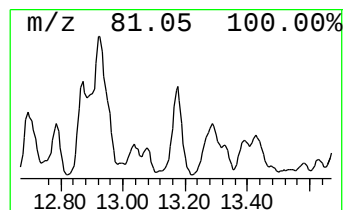
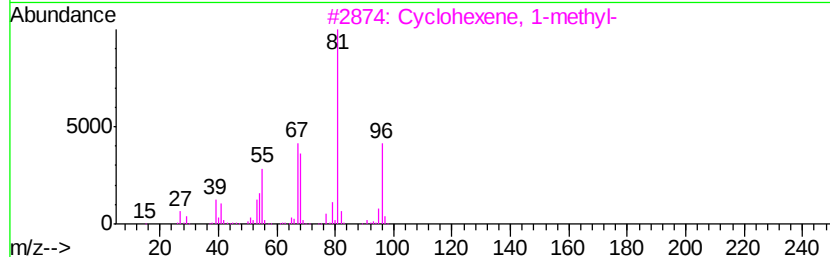
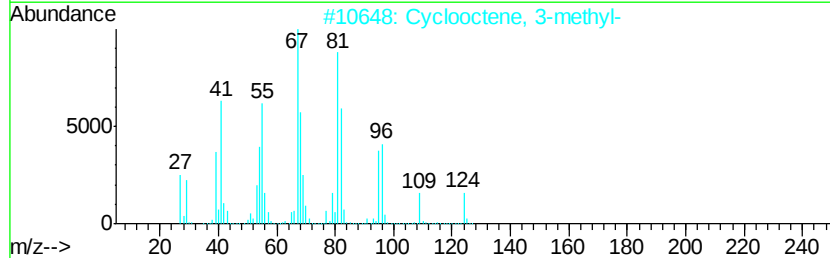
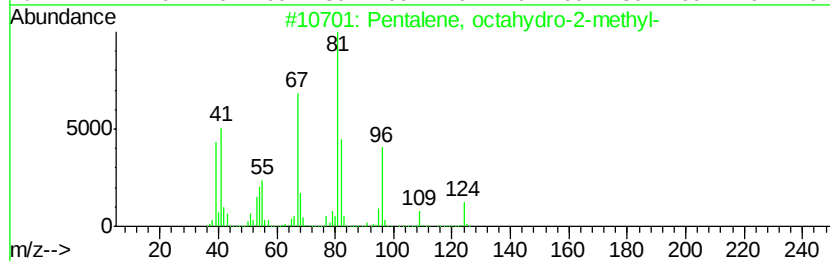
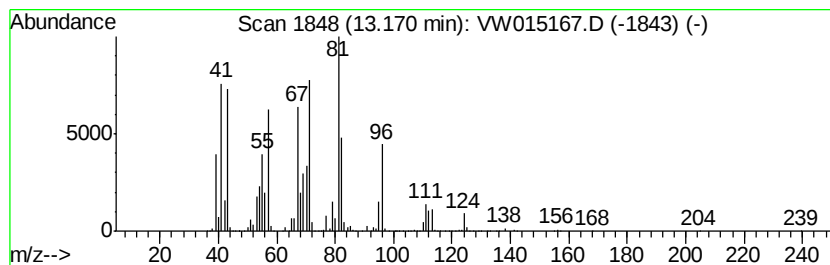
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Quant Title : VOC Analysis

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

Peak Number 46 Pentalene, octahydro-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	205.65 ug/L	3006840	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	60
2		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	53
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
4		Cyclohexane, methylene-	96	C7H12	001192-37-6	50
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

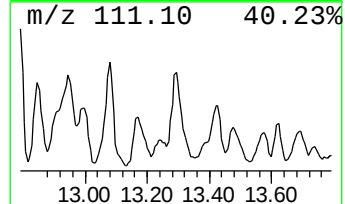
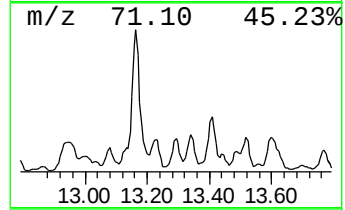
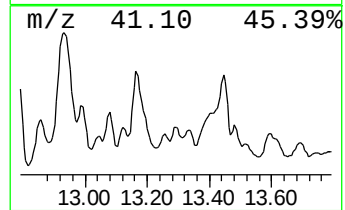
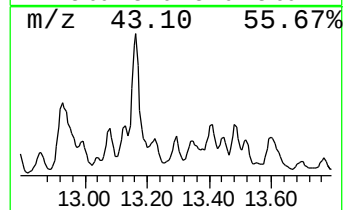
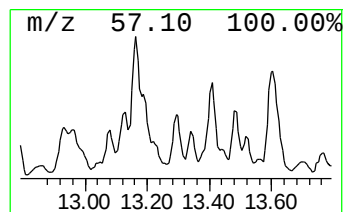
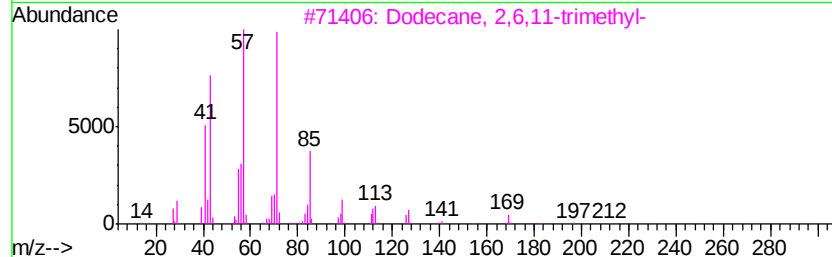
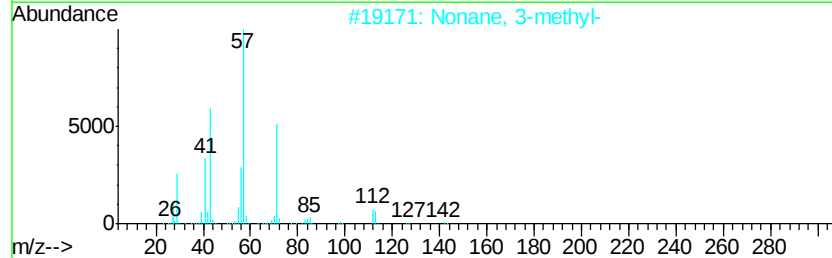
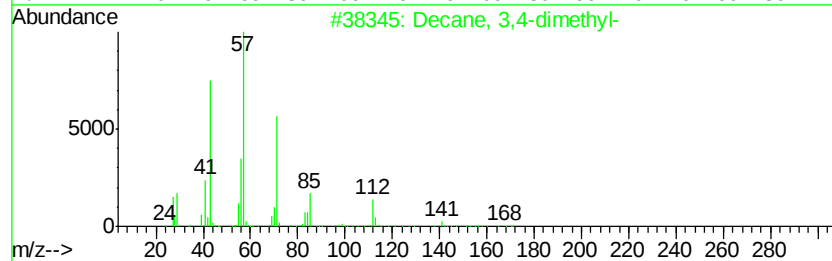
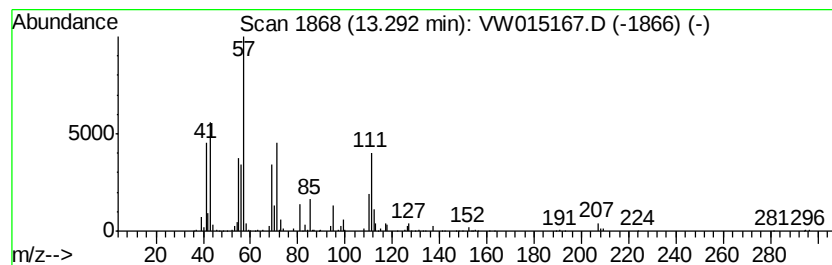
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	10.49 ug/L	153309	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	43
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	38
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	38
5		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	37



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

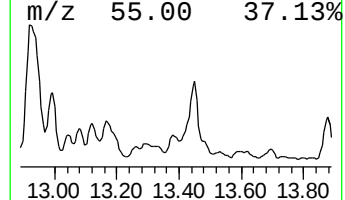
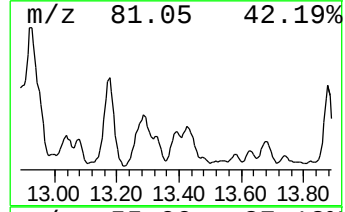
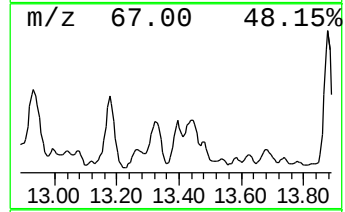
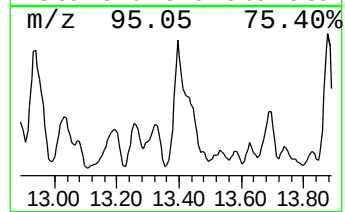
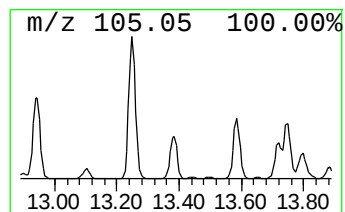
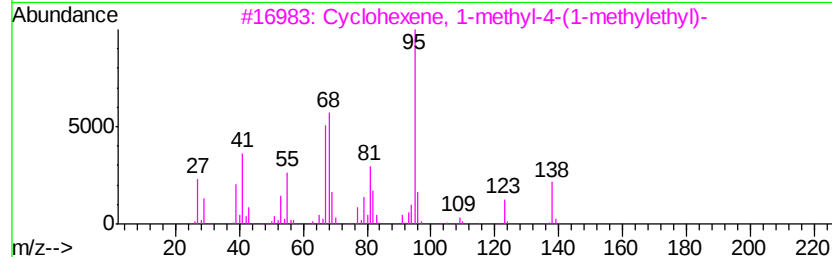
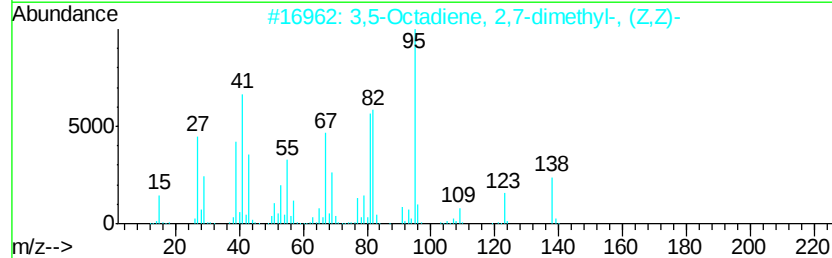
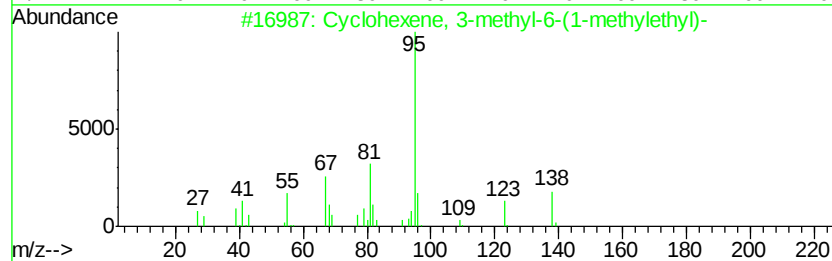
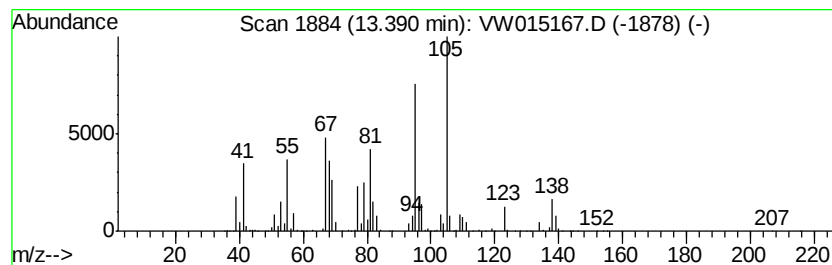
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 49 Cyclohexene, 3-methyl-6-(1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	117.77 ug/L	1721940	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexene, 3-methyl-6-(1-methyl-...	138 C10H18	005256-65-5 76
2		3,5-Octadiene, 2,7-dimethyl-, (Z-...	138 C10H18	028980-73-6 70
3		Cyclohexene, 1-methyl-4-(1-methyl-...	138 C10H18	005502-88-5 64
4		Cyclohexene, 3-methyl-6-(1-methyl-...	138 C10H18	005256-65-5 59
5		Cyclohexene, 1-methyl-4-(1-methyl-...	138 C10H18	005502-88-5 52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

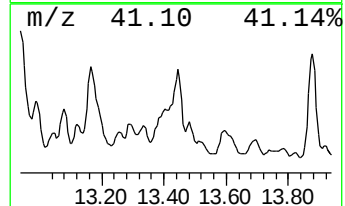
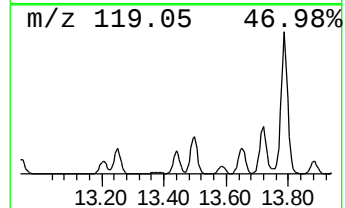
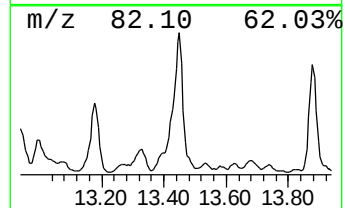
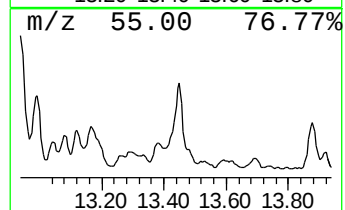
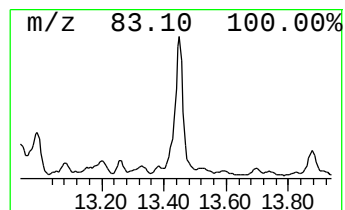
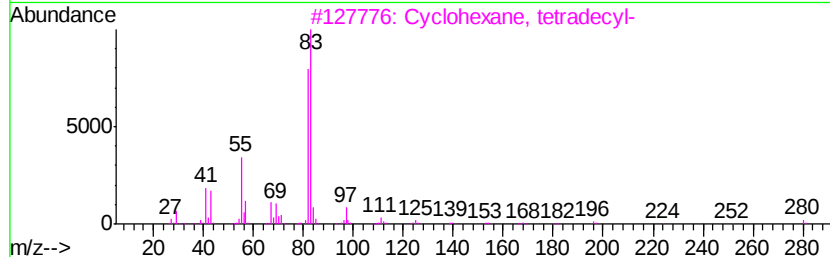
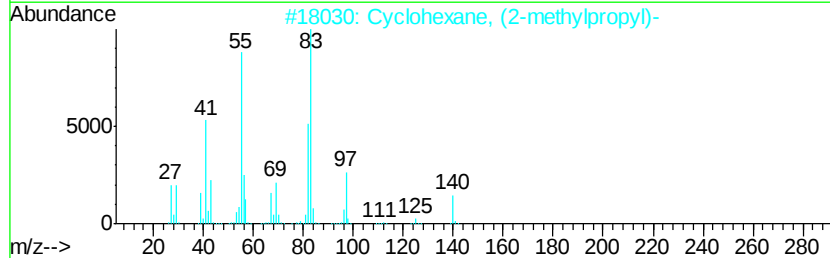
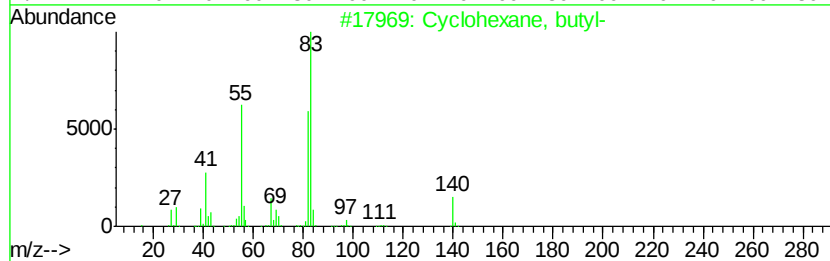
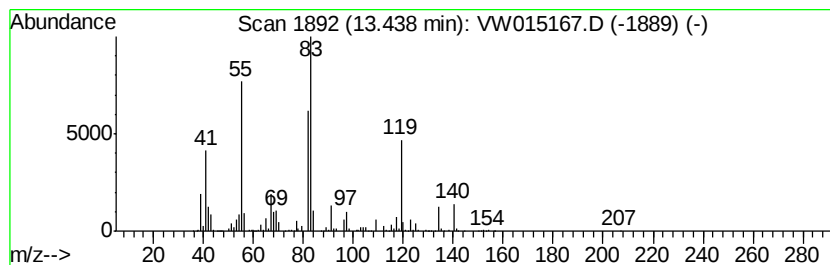
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Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic13.44 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	139.34 ug/L	2037350	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	68
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3		Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	59
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
5		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

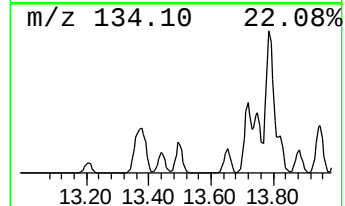
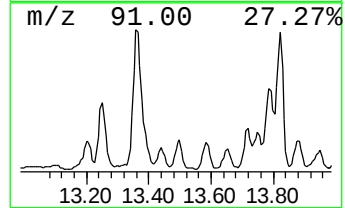
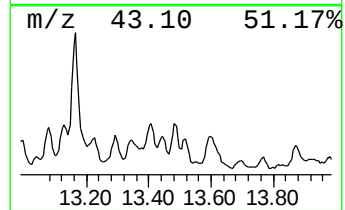
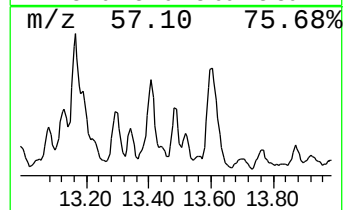
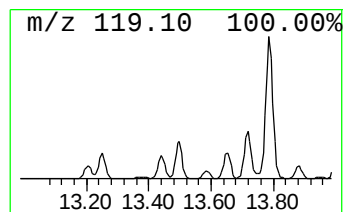
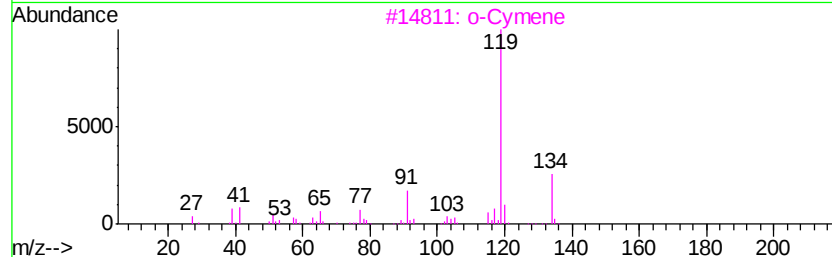
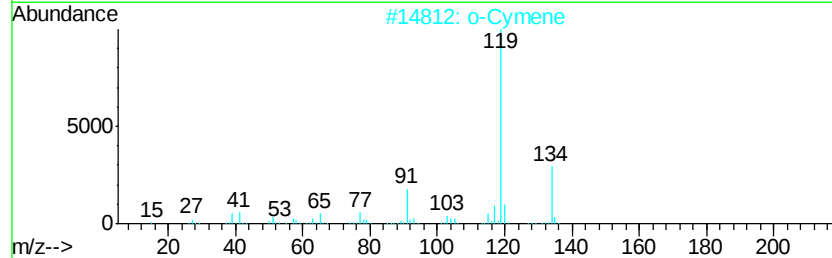
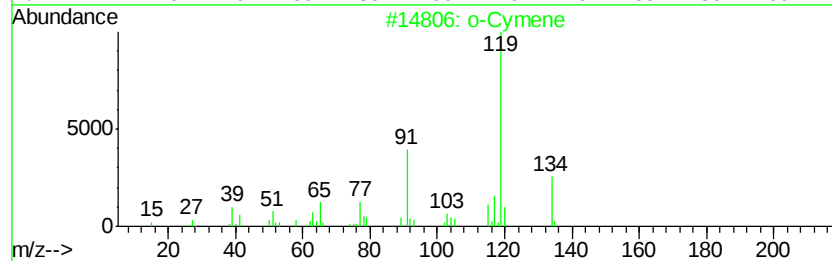
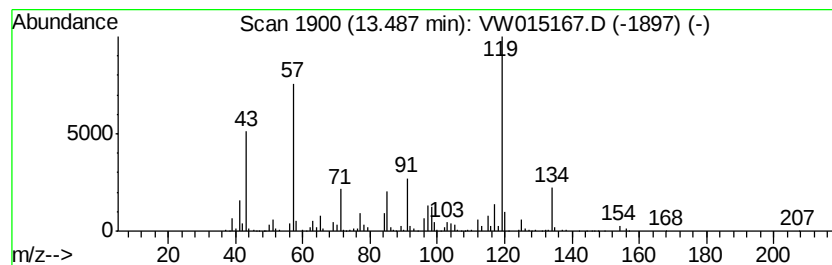
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Quant Title : VOC Analysis

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

Peak Number 51 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	48.22 ug/L	705090	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	90
2		o-Cymene	134	C10H14	000527-84-4	89
3		o-Cymene	134	C10H14	000527-84-4	87
4		p-Cymene	134	C10H14	000099-87-6	70
5		p-Cymene	134	C10H14	000099-87-6	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

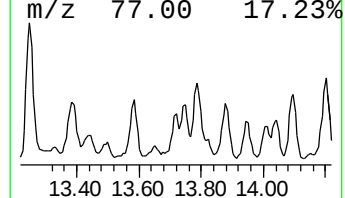
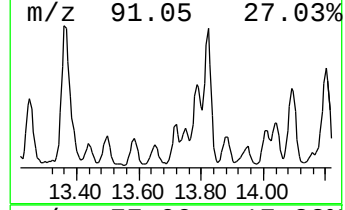
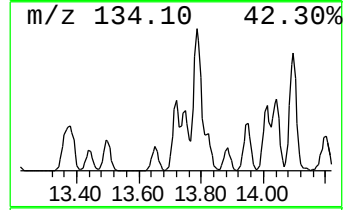
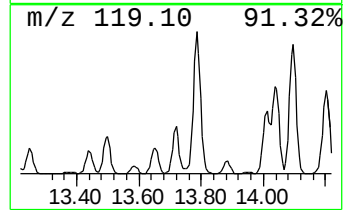
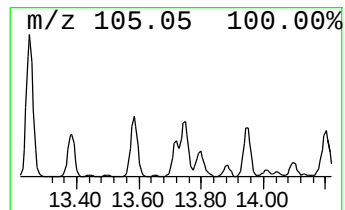
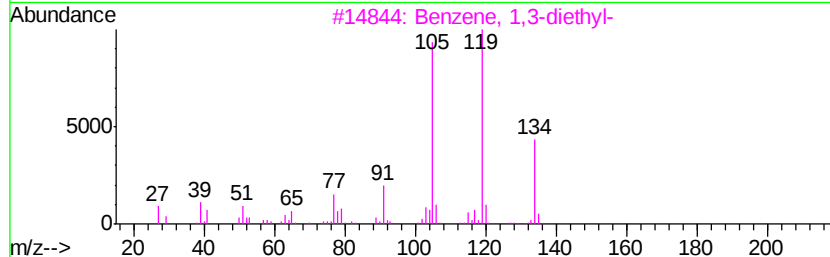
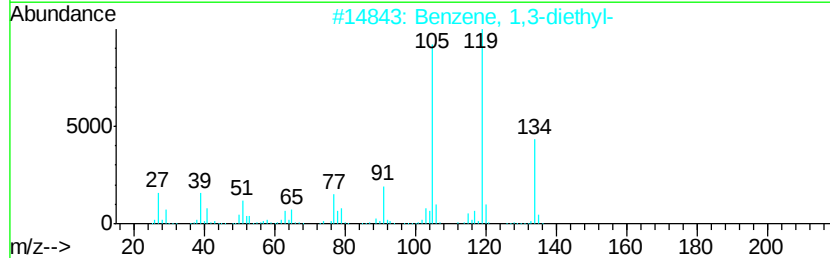
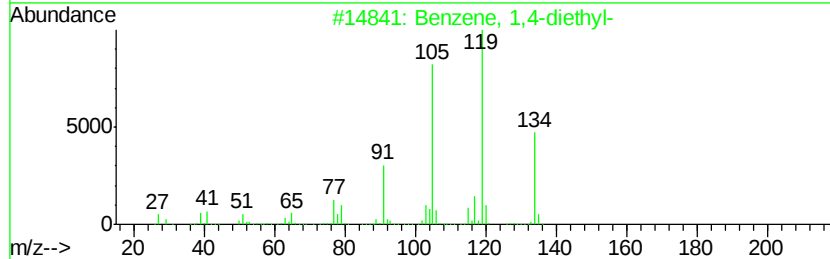
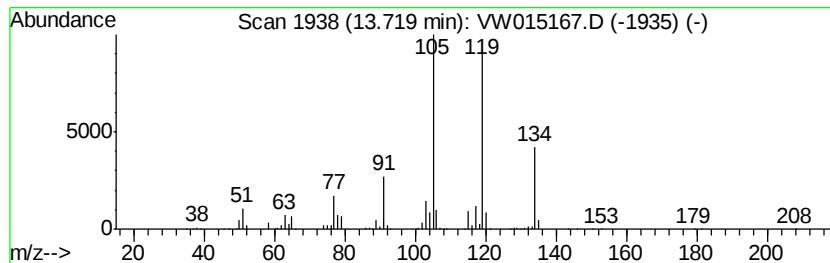
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Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 1,4-diethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	13.66 ug/L	199736	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

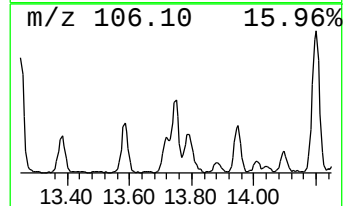
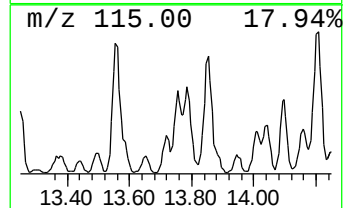
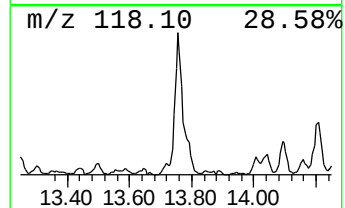
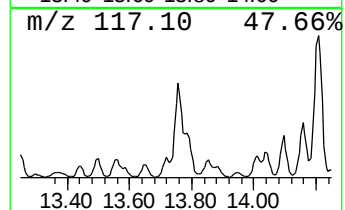
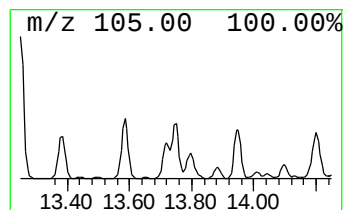
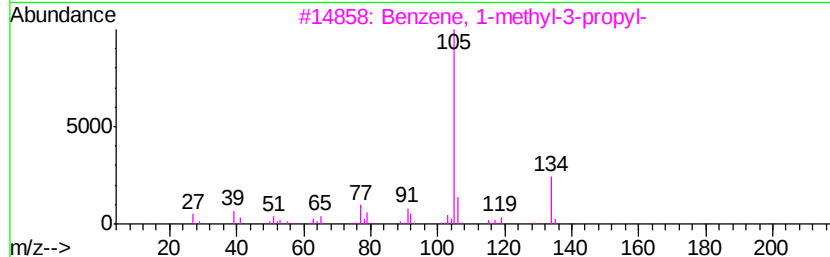
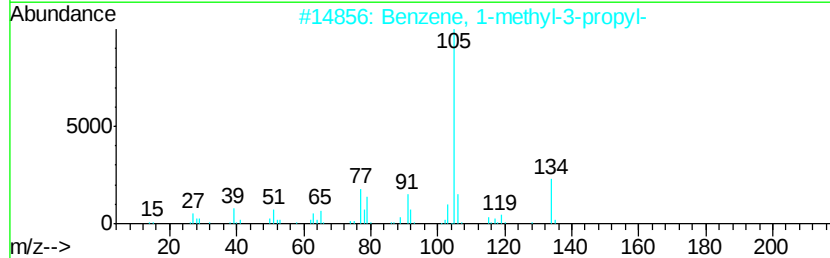
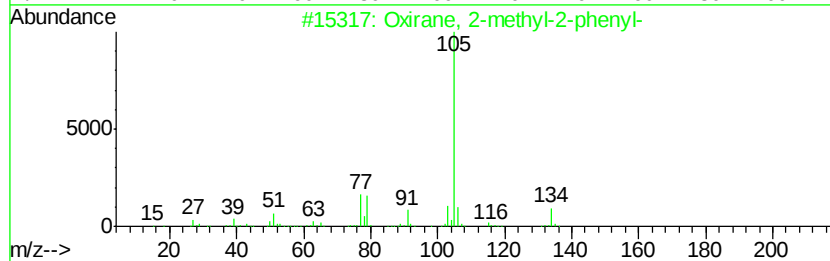
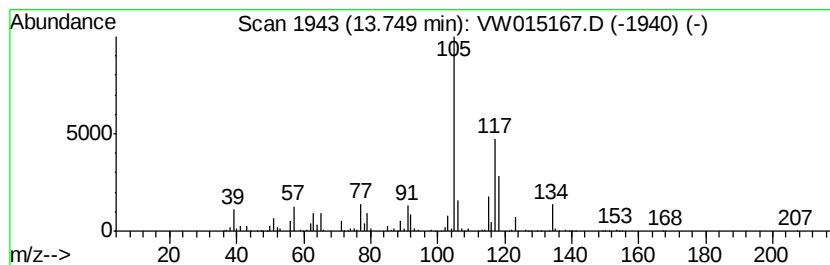
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Quant Title : VOC Analysis

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

Peak Number 53 unknown-05 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	32.14 ug/L	470003	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	38
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	38
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	30
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	27
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

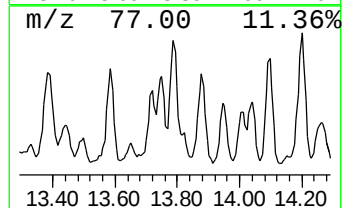
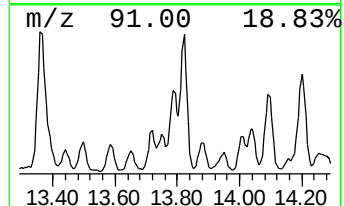
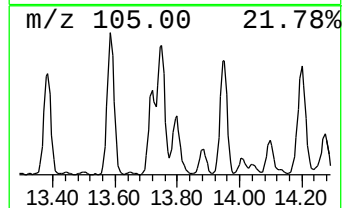
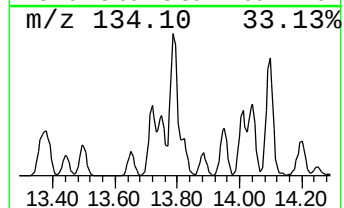
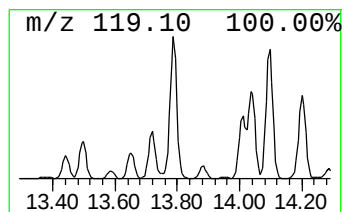
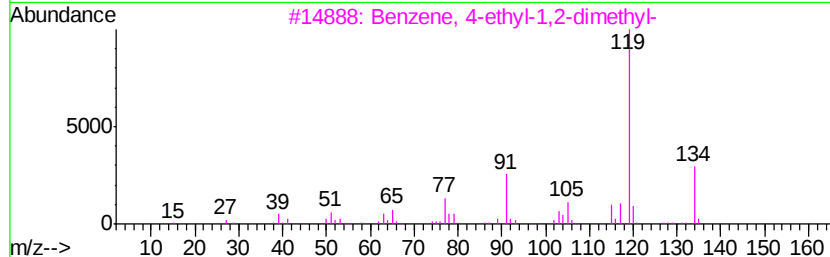
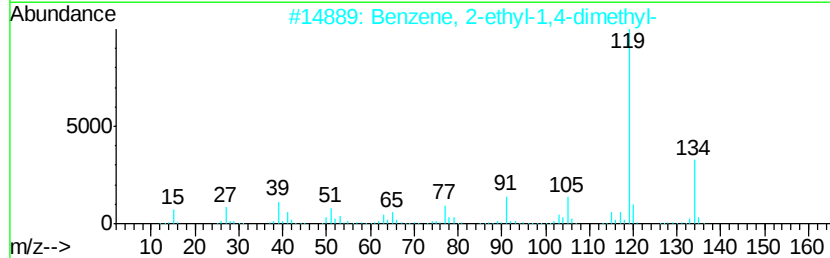
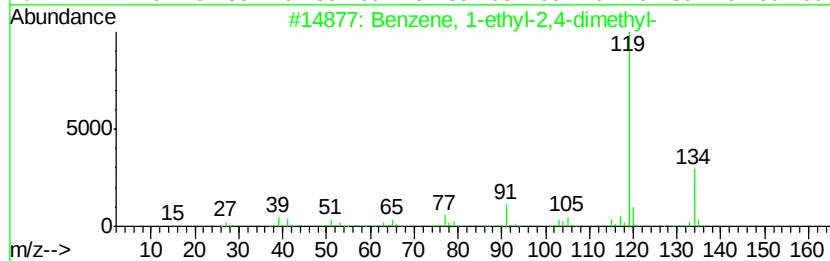
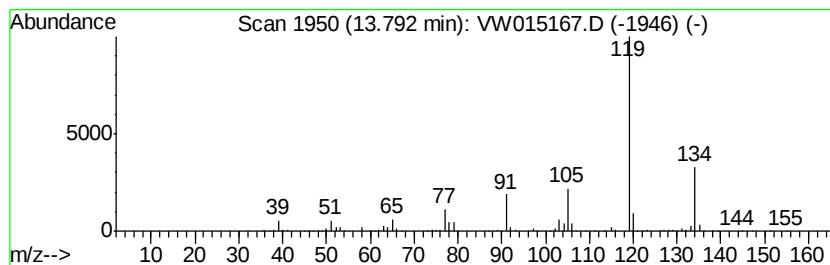
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Quant Title : VOC Analysis

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

Peak Number 54 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	61.92 ug/L	905416	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		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, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

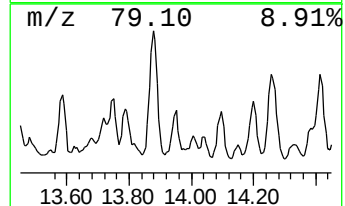
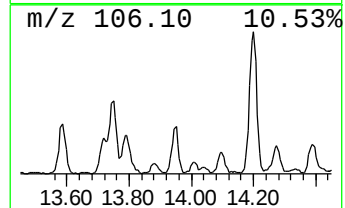
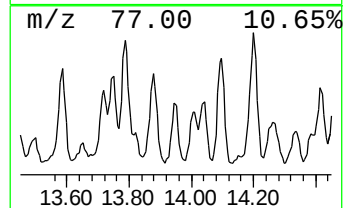
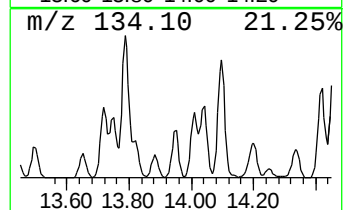
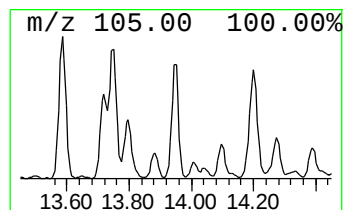
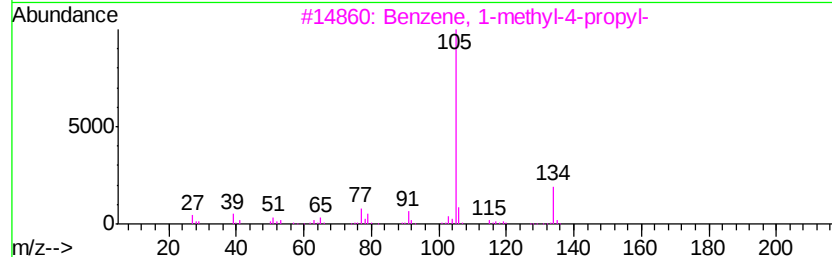
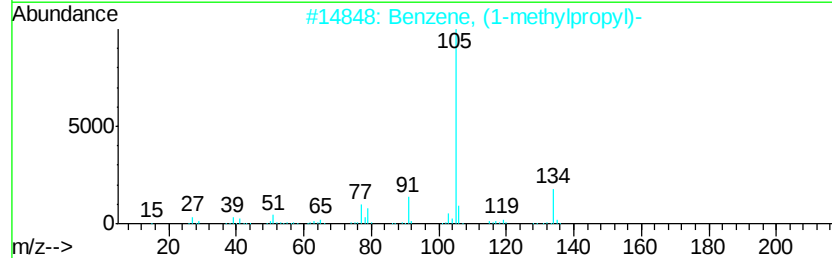
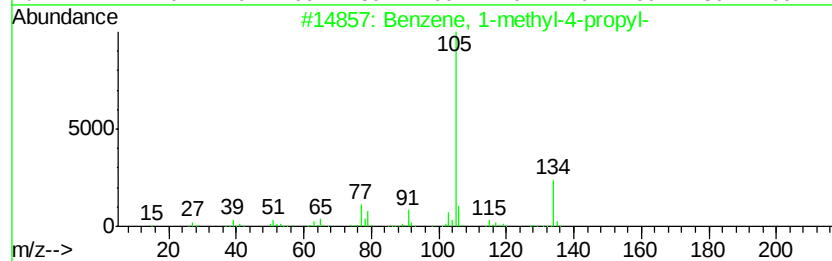
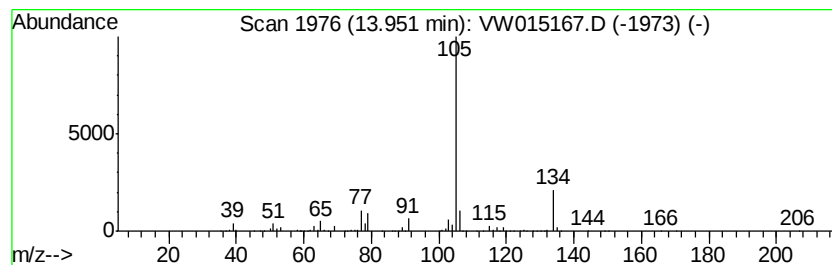
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Quant Title : VOC Analysis

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

Peak Number 55 Benzene, 1-methyl-4-propyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	14.27 ug/L	208708	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
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-4-propyl-	134	C10H14	001074-55-1	91
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

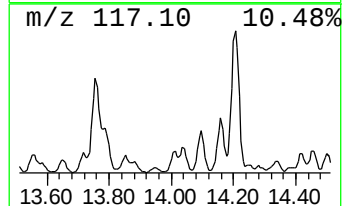
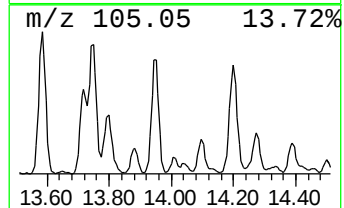
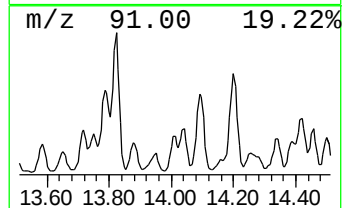
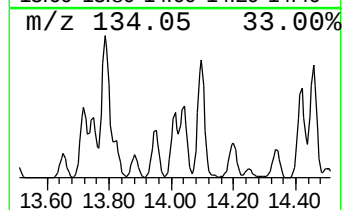
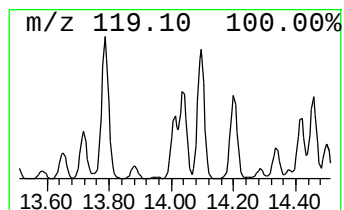
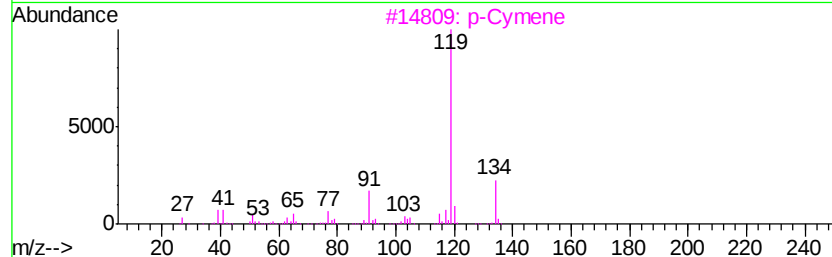
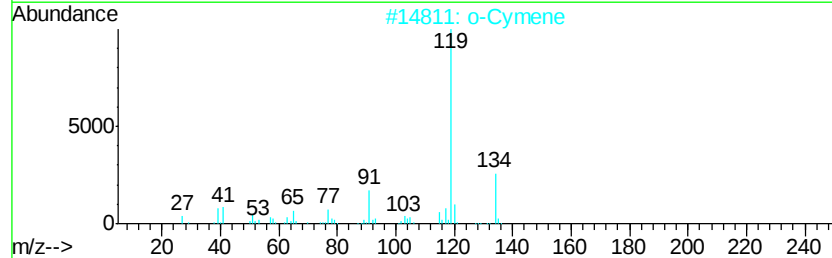
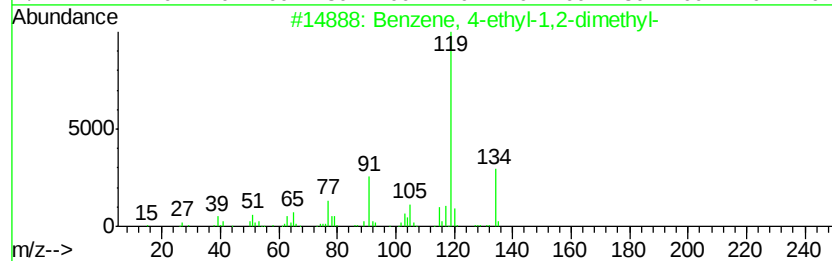
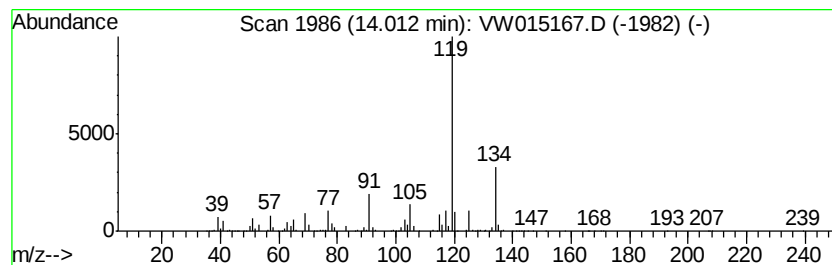
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Quant Title : VOC Analysis

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

Peak Number 56 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	33.29 ug/L	486728	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		p-Cymene	134	C10H14	000099-87-6	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

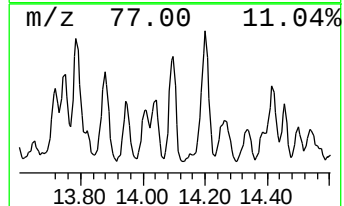
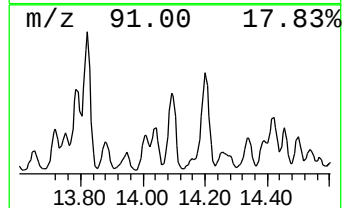
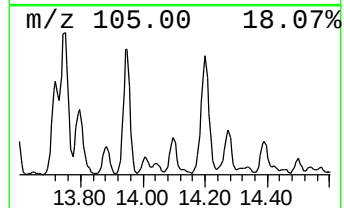
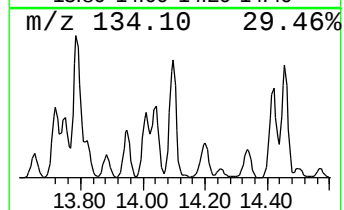
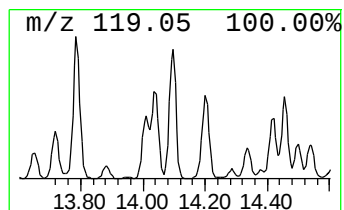
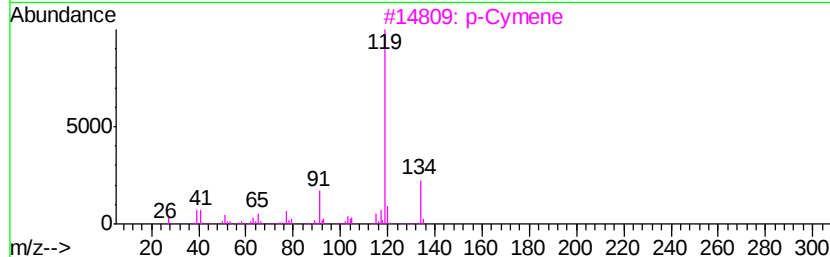
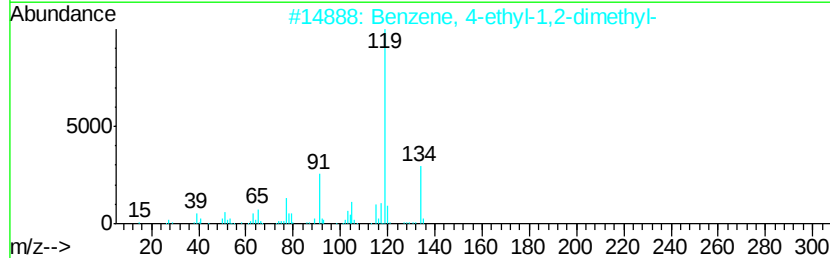
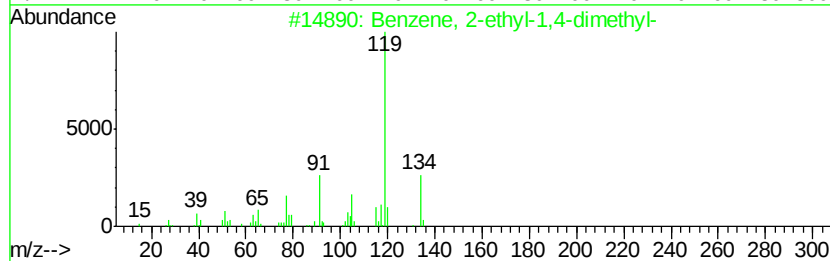
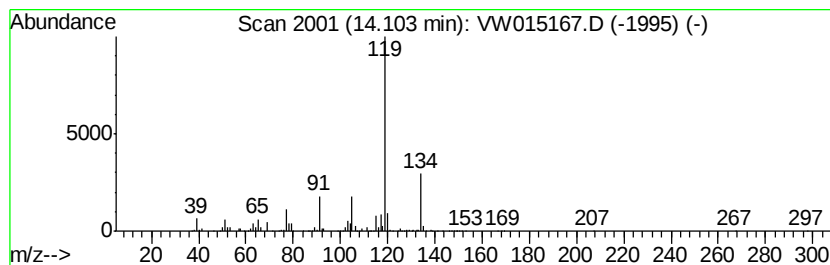
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Quant Title : VOC Analysis

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

Peak Number 58 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	101.80 ug/L	1488520	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

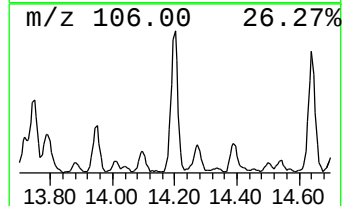
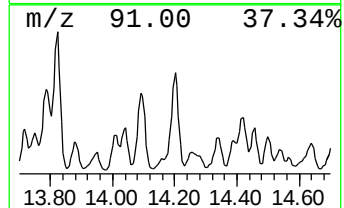
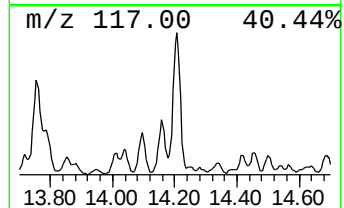
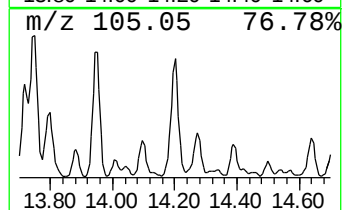
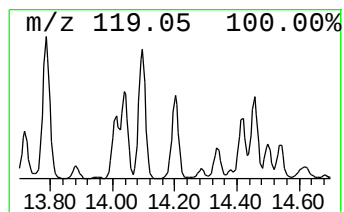
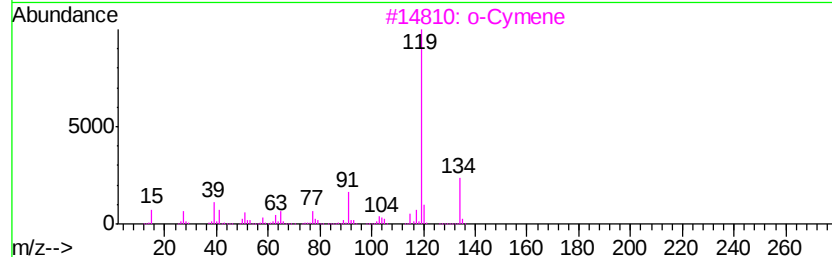
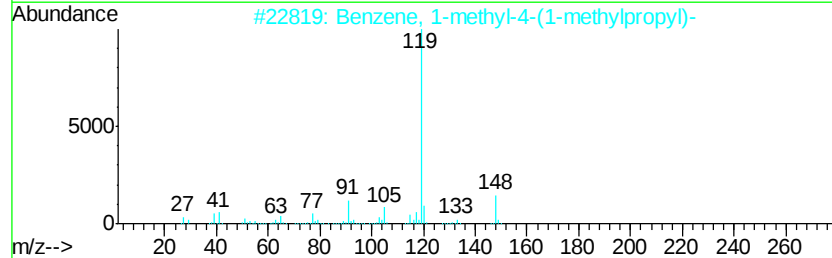
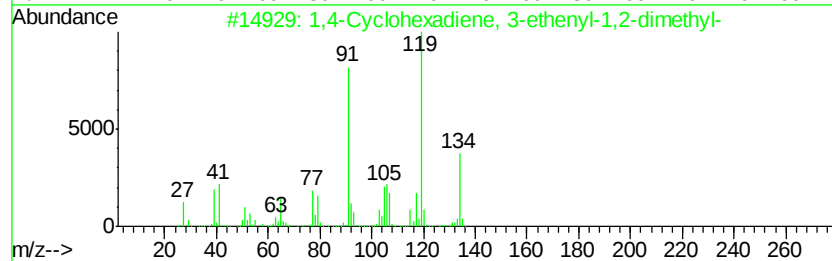
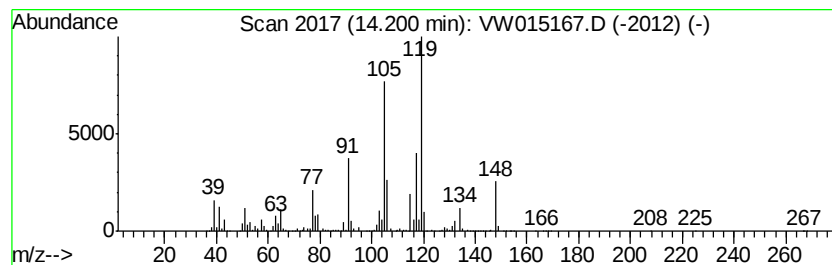
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Quant Title : VOC Analysis

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

Peak Number 59 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	118.95 ug/L	1739180	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	49
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
3		o-Cymene	134	C10H14	000527-84-4	49
4		p-Cymene	134	C10H14	000099-87-6	49
5		o-Cymene	134	C10H14	000527-84-4	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

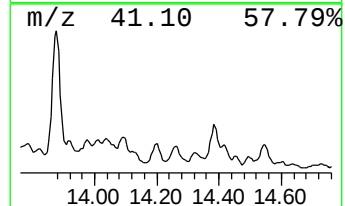
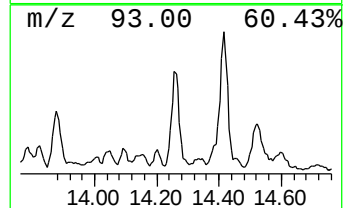
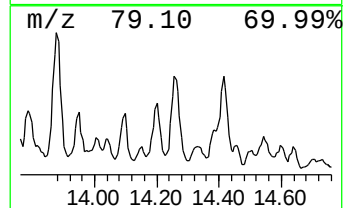
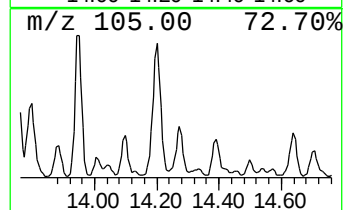
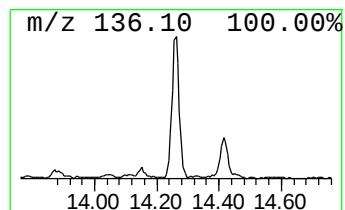
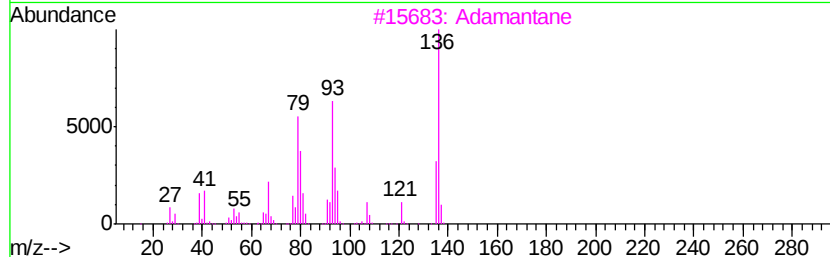
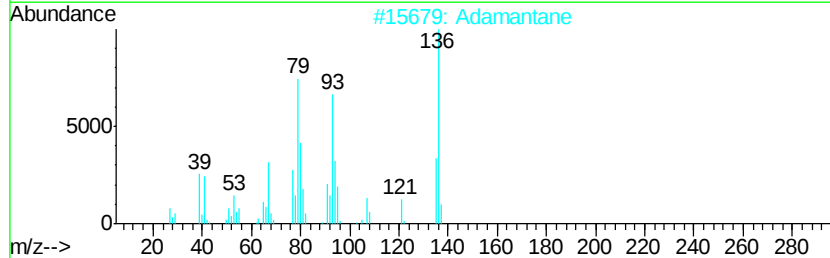
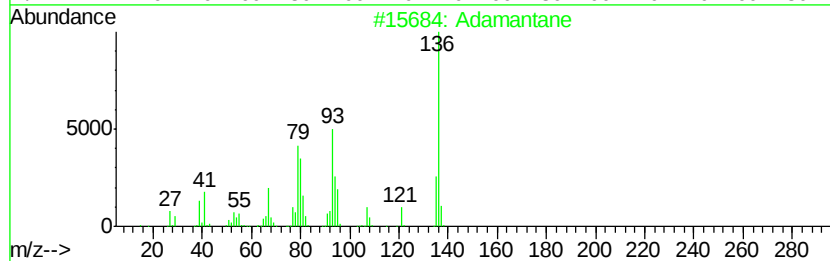
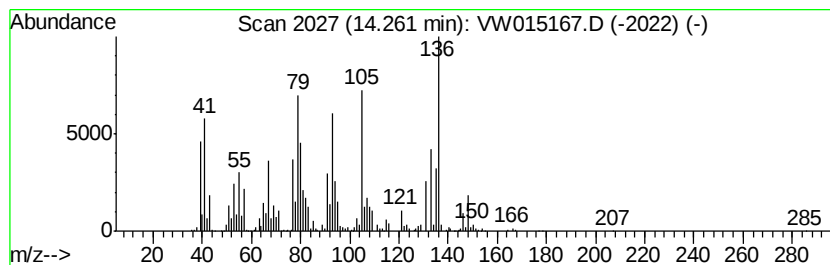
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Quant Title : VOC Analysis

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

Peak Number 60 Adamantane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	58.72 ug/L	858507	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane	136	C10H16	000281-23-2	83
2		Adamantane	136	C10H16	000281-23-2	83
3		Adamantane	136	C10H16	000281-23-2	64
4		1H-Inden-1-one, 2,3,4,5,6,7-hexa...	136	C9H12O	022118-00-9	43
5		Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

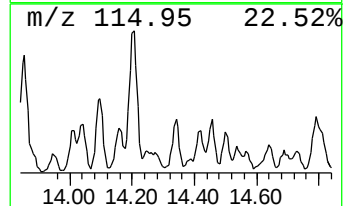
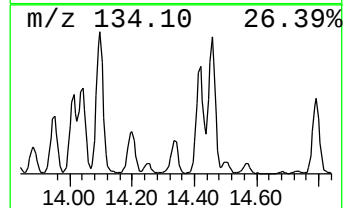
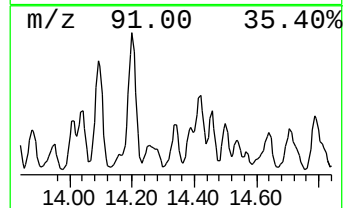
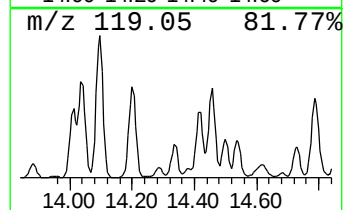
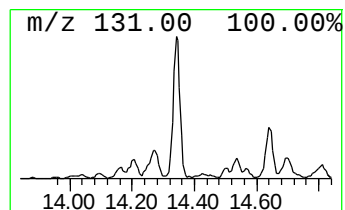
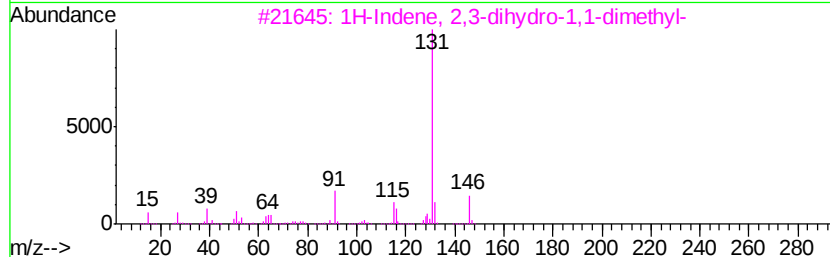
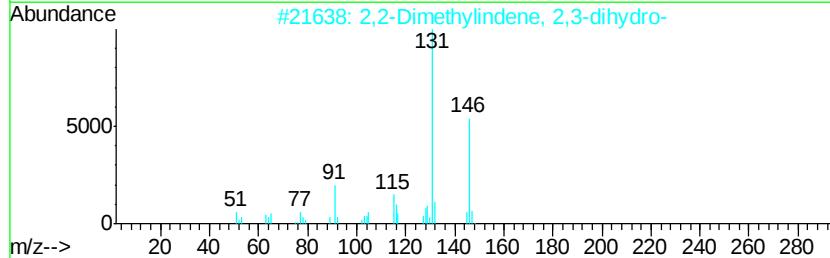
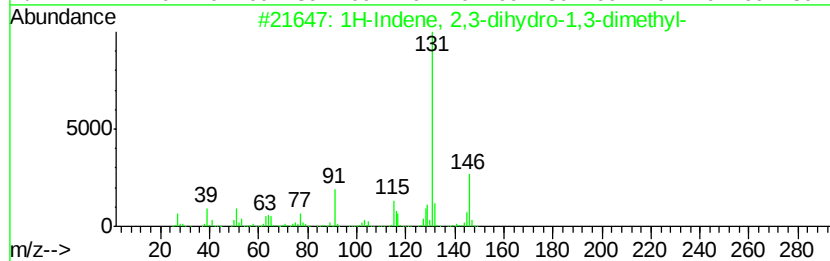
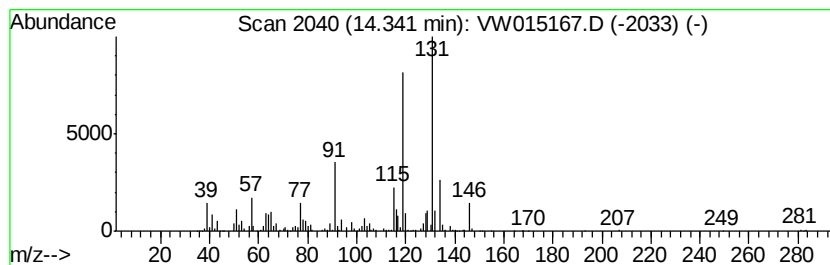
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Quant Title : VOC Analysis

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

Peak Number 61 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	46.46 ug/L	679379	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	55
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

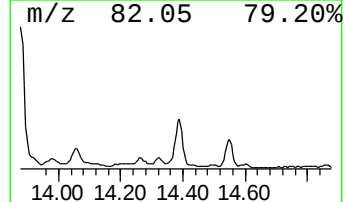
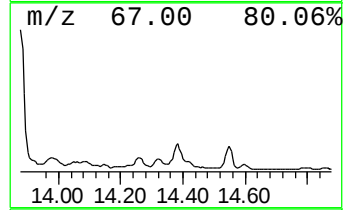
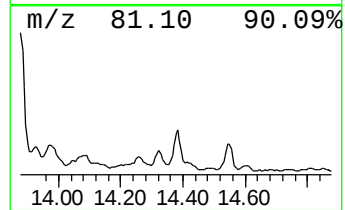
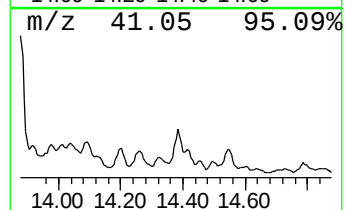
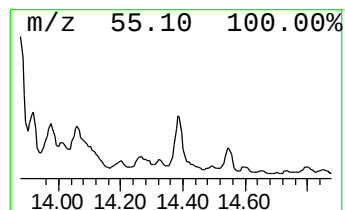
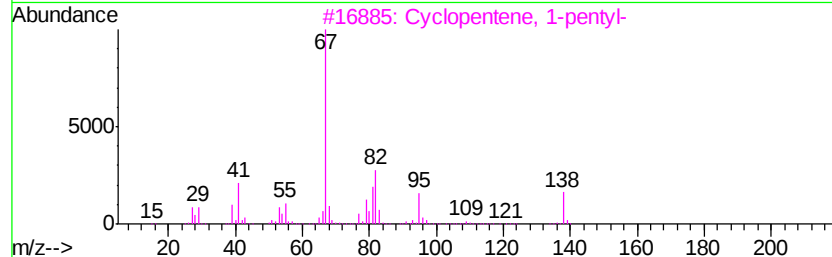
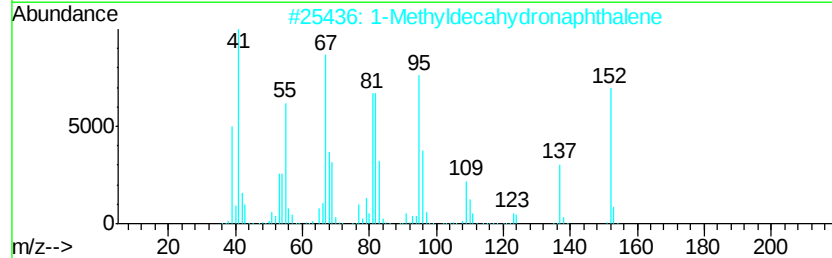
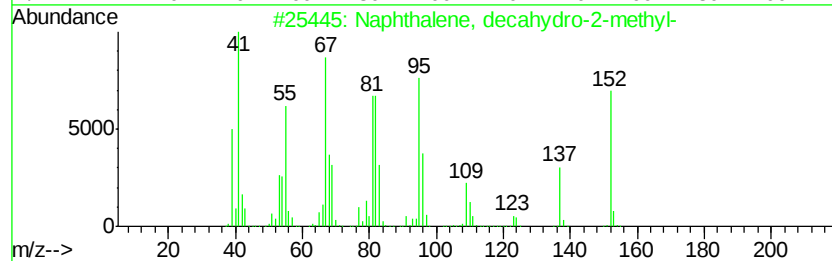
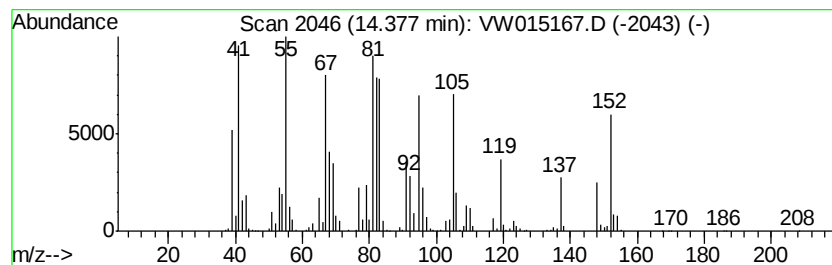
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 62 Naphthalene, decahydro-2-me... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.38	56.54 ug/L	826636	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	50
3	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	41
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	41
5	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG2J1

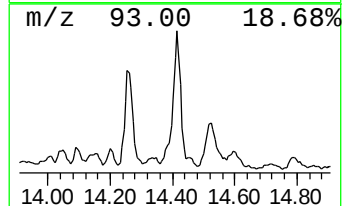
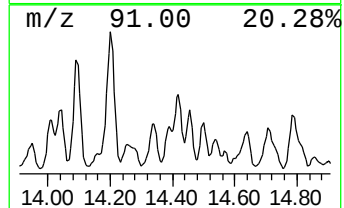
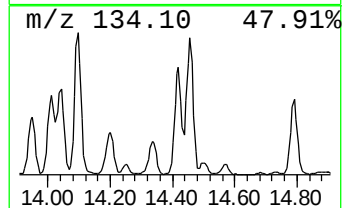
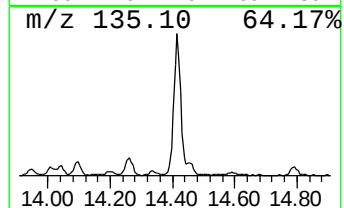
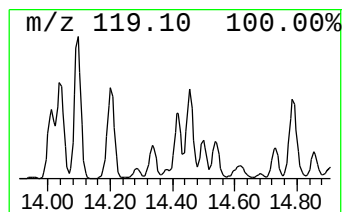
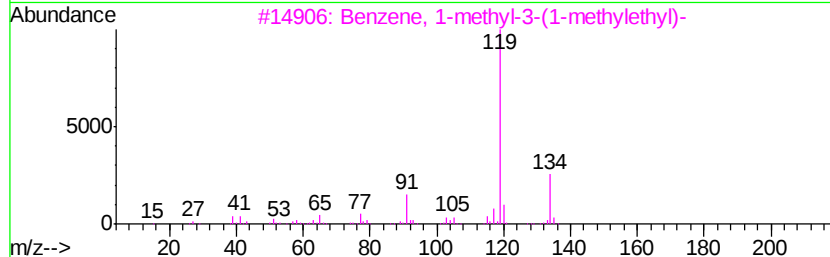
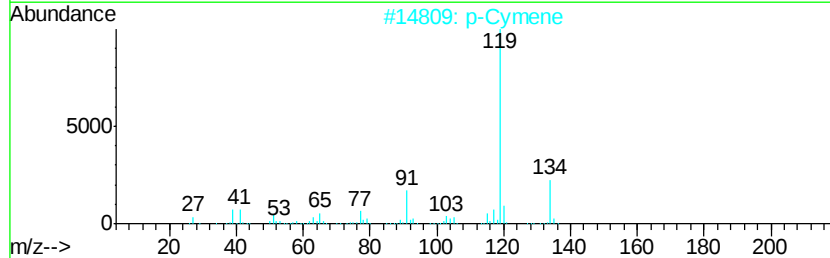
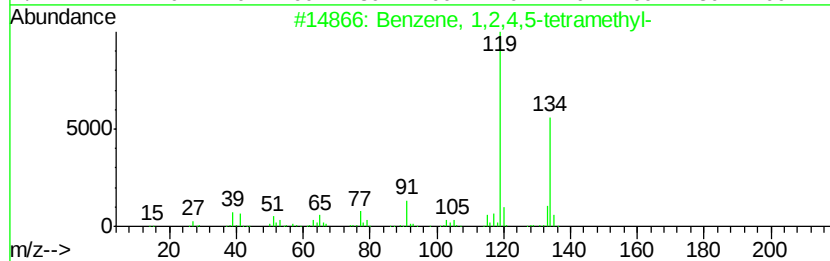
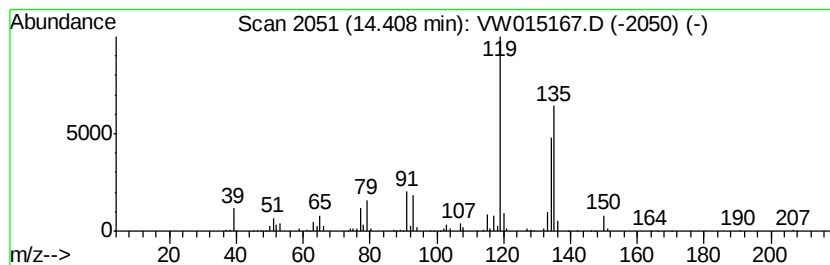
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Quant Title : VOC Analysis

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

Peak Number 63 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	47.48 ug/L	694210	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2		p-Cymene	134	C10H14	000099-87-6	64
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	64
4		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	64
5		p-Cymene	134	C10H14	000099-87-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

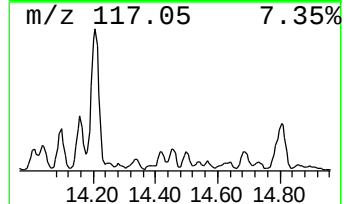
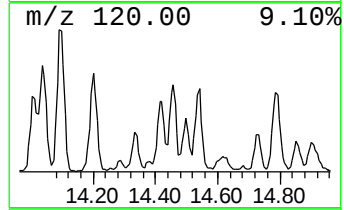
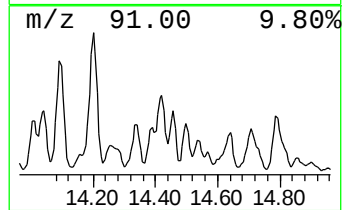
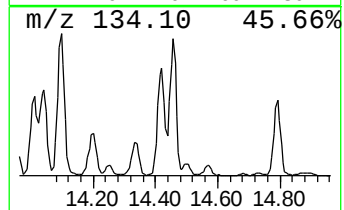
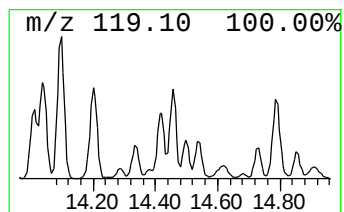
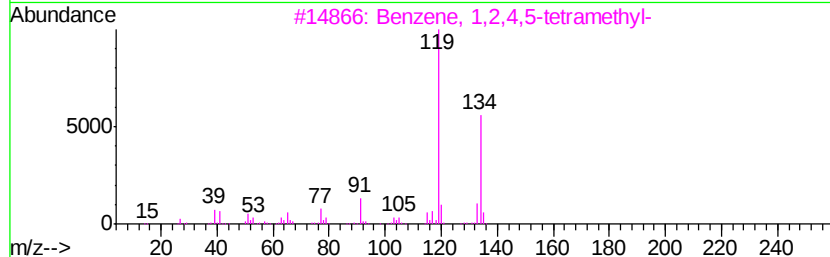
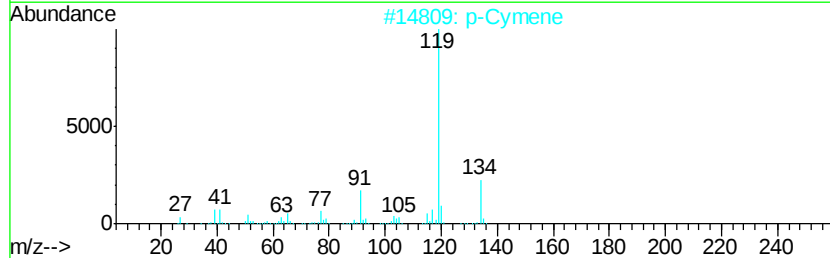
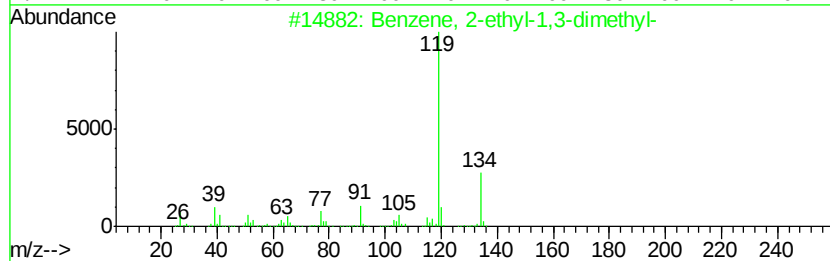
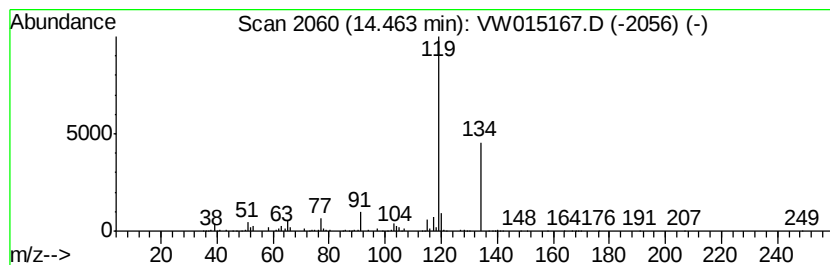
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Quant Title : VOC Analysis

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

Peak Number 64 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	39.22 ug/L	573518	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2		p-Cymene	134	C10H14	000099-87-6	91
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

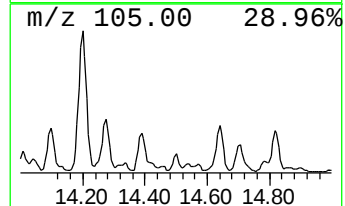
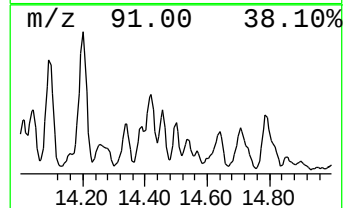
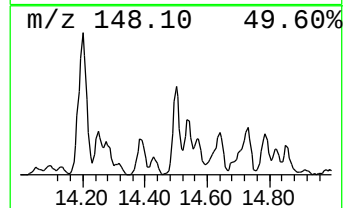
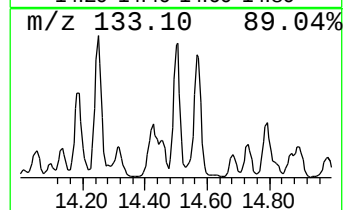
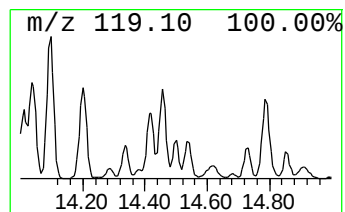
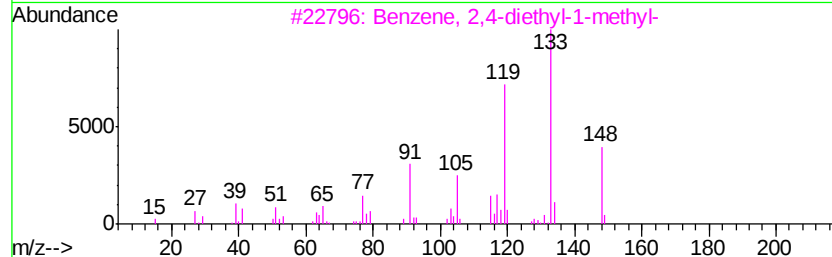
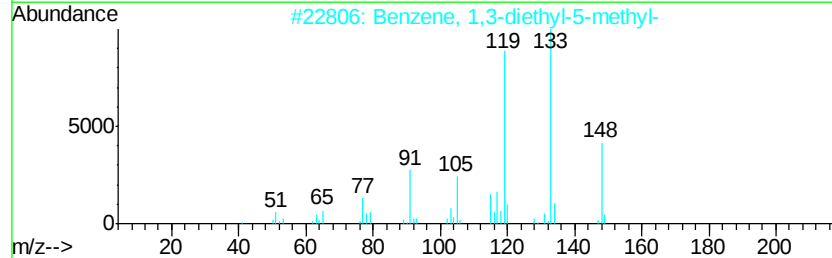
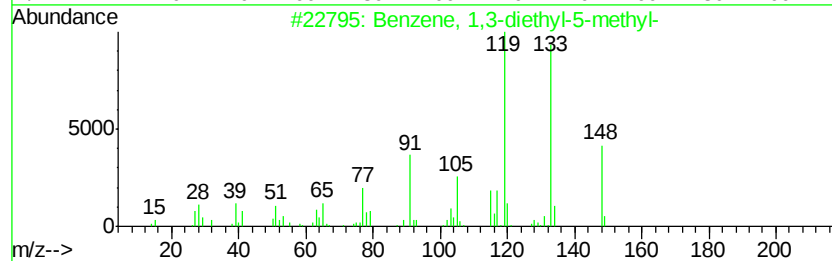
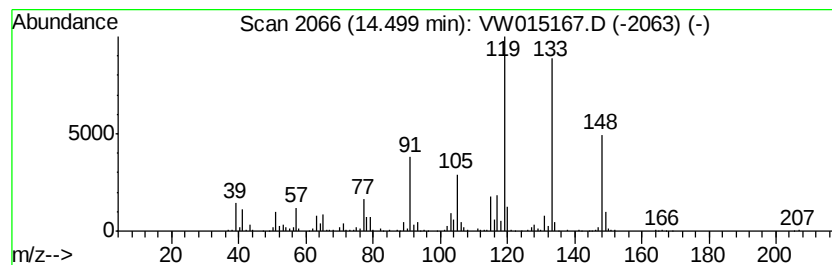
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Quant Title : VOC Analysis

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

Peak Number 65 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	29.66 ug/L	433715	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	83
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	64
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

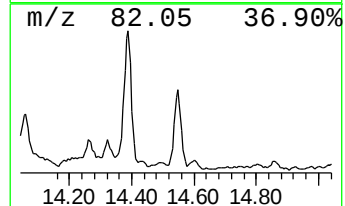
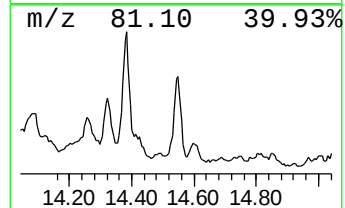
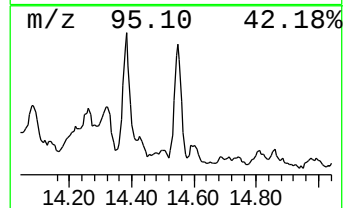
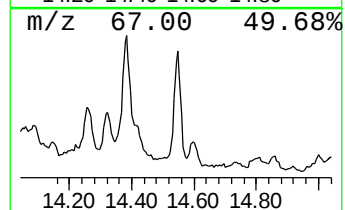
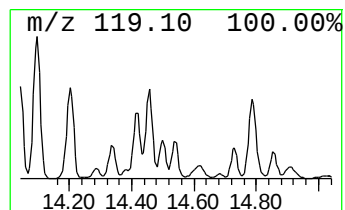
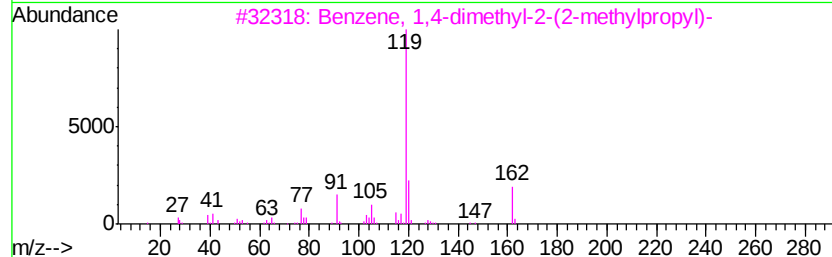
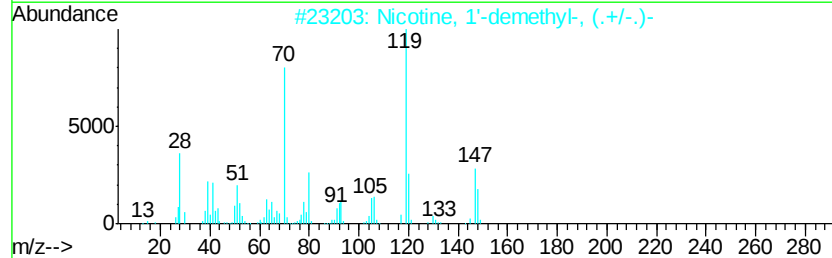
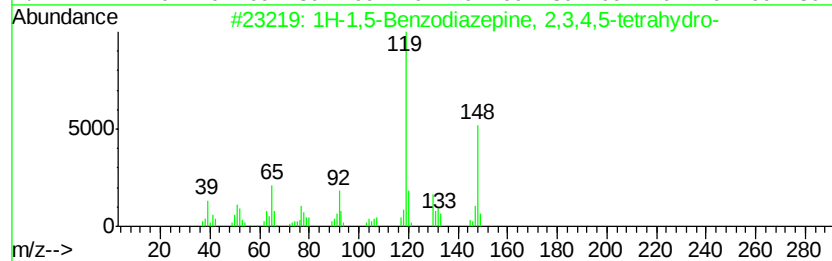
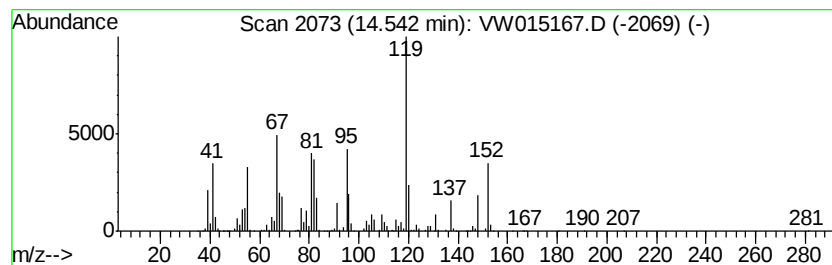
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 66 unknown-07 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	55.98 ug/L	818550	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-1,5-Benzodiazepine, 2,3,4,5-t...	148 C9H12N2	006516-89-8 27
2		Nicotine, 1'-demethyl-, (+/-)-	148 C9H12N2	005746-86-1 27
3		Benzene, 1,4-dimethyl-2-(2-methv...	162 C12H18	055669-88-0 25
4		Benzene, 1,4-dimethyl-2-(2-methv...	162 C12H18	055669-88-0 22
5		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

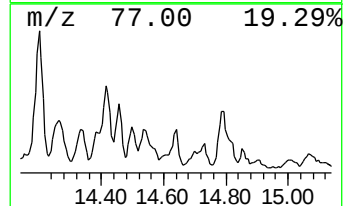
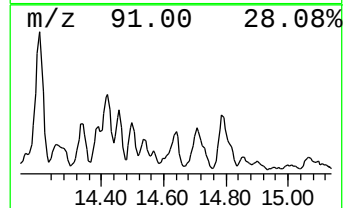
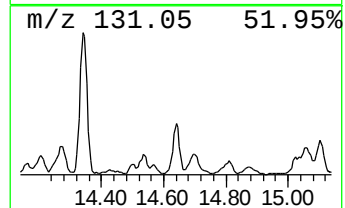
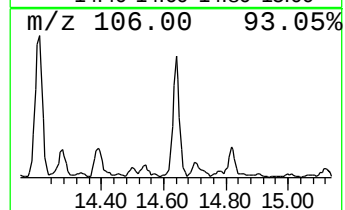
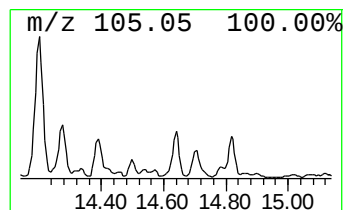
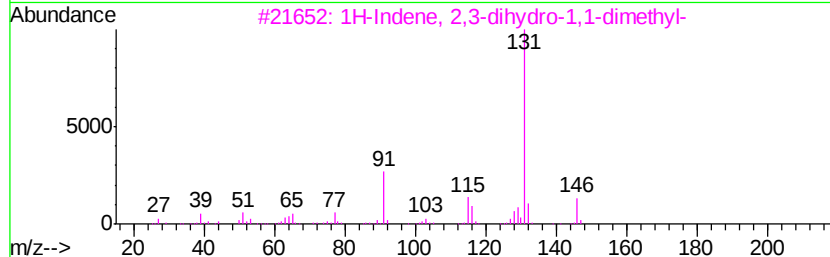
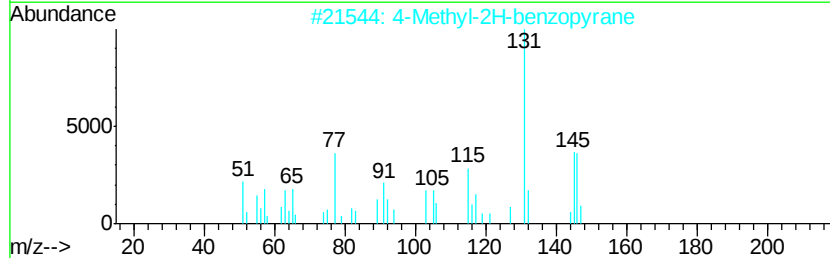
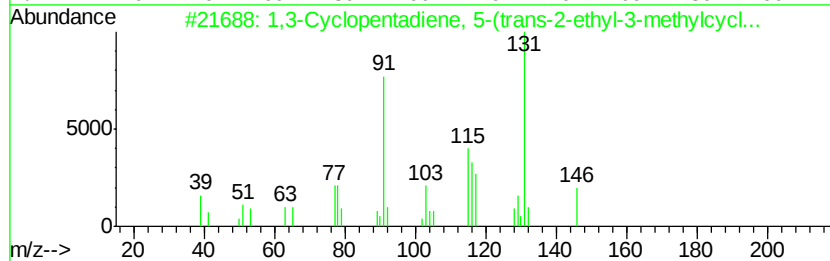
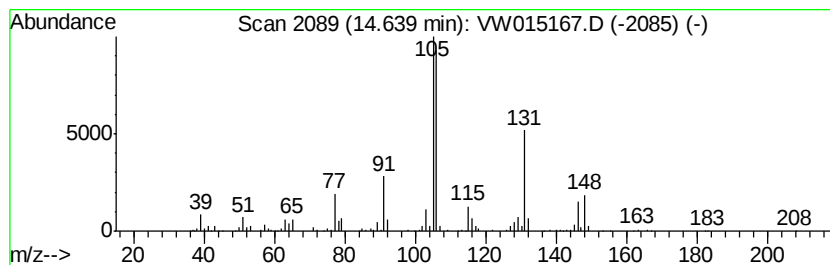
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Quant Title : VOC Analysis

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

Peak Number 67 unknown-08 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	28.17 ug/L	411937	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	38
2			4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	38
3			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	35
4			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	35
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015167.D
Acq On : 08 Apr 2020 13:34
Operator : SY/VA
Sample : L2176-05
Misc : 5.48G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2J1

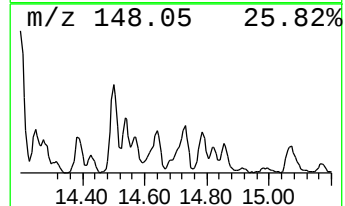
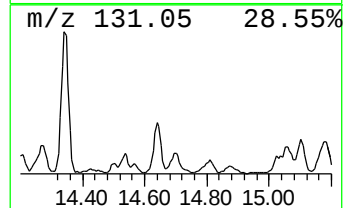
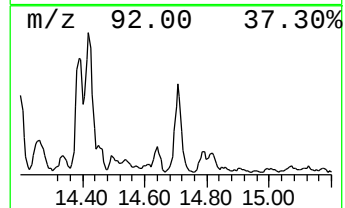
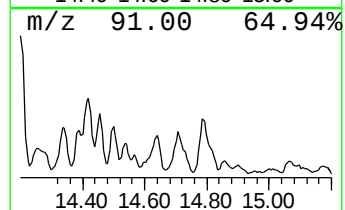
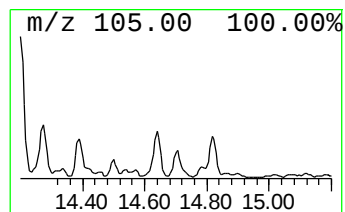
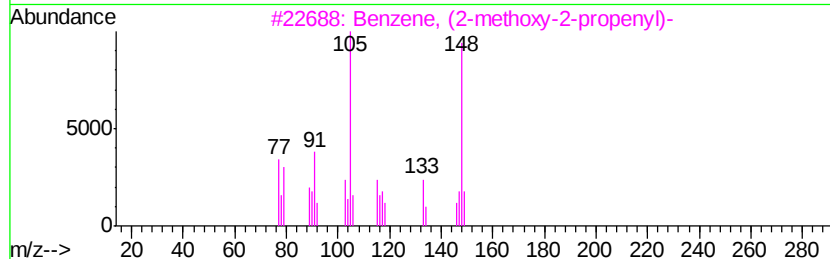
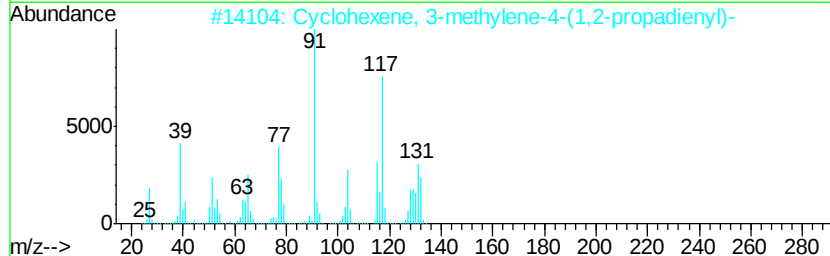
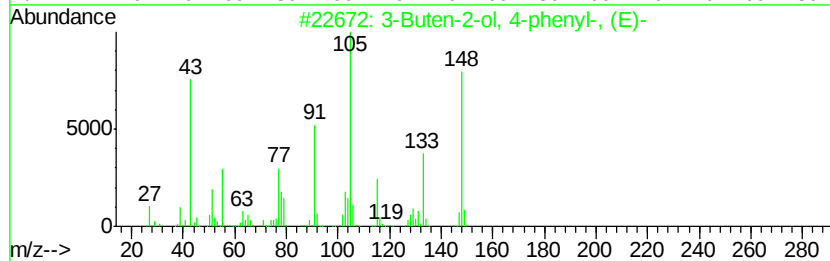
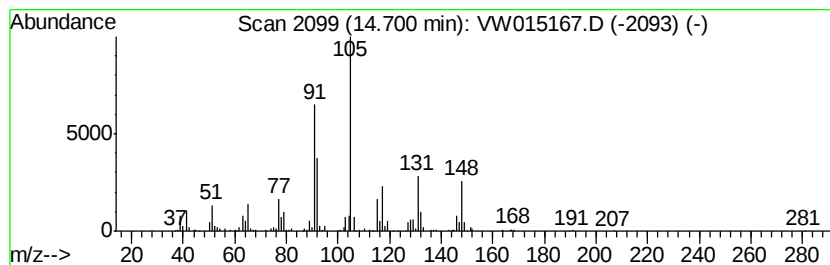
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 68 unknown-09 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	16.04 ug/L	234596	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Buten-2-ol, 4-phenyl-, (E)-	148	C10H12O	1000163-70-9	41
2		Cyclohexene, 3-methylene-4-(1,2-propadienyl)-	132	C10H12	068377-81-1	35
3		Benzene, (2-methoxy-2-propenyl)-	148	C10H12O	026473-60-9	35
4		3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	30
5		Benzene, 1-methyl-4-(2-methylprop-1-en-1-yl)-	148	C11H16	005161-04-6	27



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
 Data File : VW015167.D
 Acq On : 08 Apr 2020 13:34
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.48G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis

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

						--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: Str...	8.03	7.9	ug/L	250025	1	8.84	793218	25.0	
(DEL) Alkane: Str...	8.22	5.0	ug/L	157555	1	8.84	793218	25.0	
(DEL) Alkane: Cyc...	8.43	17.2	ug/L	546949	1	8.84	793218	25.0	
(DEL) Alkane: Cyc...	8.51	13.9	ug/L	440471	1	8.84	793218	25.0	
(DEL) Alkane: Str...	8.57	24.3	ug/L	769928	1	8.84	793218	25.0	
(DEL) Alkane: Str...	9.15	4.1	ug/L	130083	1	8.84	793218	25.0	
(DEL) Alkane: Cyc...	9.52	10.4	ug/L	331270	1	8.84	793218	25.0	
(DEL) Alkane: Cyc...	9.61	37.7	ug/L	1196700	1	8.84	793218	25.0	
(DEL) Alkane: Cyc...	9.75	43.4	ug/L	1376240	1	8.84	793218	25.0	
(DEL) Alkane: Str...	9.90	18.5	ug/L	587435	1	8.84	793218	25.0	
unknown-01	9.95	7.1	ug/L	224106	1	8.84	793218	25.0	
(DEL) Alkane: Str...	10.08	20.7	ug/L	655744	1	8.84	793218	25.0	
(DEL) Alkane: Str...	10.13	12.6	ug/L	400600	1	8.84	793218	25.0	
(DEL) Alkane: Cyc...	10.21	6.1	ug/L	194214	1	8.84	793218	25.0	
(DEL) Alkane: Str...	10.24	5.8	ug/L	215971	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	10.45	7.3	ug/L	272168	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	10.49	62.5	ug/L	2344160	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	10.66	92.6	ug/L	3474490	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	10.76	45.7	ug/L	1715120	2	11.63	938416	25.0	
(DEL) Alkane: Str...	10.85	10.7	ug/L	400627	2	11.63	938416	25.0	
(DEL) Alkane: Str...	11.04	16.0	ug/L	601453	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	11.11	13.5	ug/L	508185	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	11.18	67.4	ug/L	2528920	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	11.23	82.4	ug/L	3091420	2	11.63	938416	25.0	
(DEL) Alkane: Str...	11.29	13.3	ug/L	498904	2	11.63	938416	25.0	
(DEL) Alkane: Str...	11.34	25.2	ug/L	946721	2	11.63	938416	25.0	
(DEL) Alkane: Str...	11.38	5.2	ug/L	195655	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	11.43	55.7	ug/L	2090310	2	11.63	938416	25.0	
(DEL) Alkane: Str...	11.51	9.9	ug/L	372343	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	11.91	44.6	ug/L	1672580	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	11.97	9.9	ug/L	373254	2	11.63	938416	25.0	
Cyclohexene, 1-et...	12.04	40.1	ug/L	1503760	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	12.30	61.9	ug/L	2321650	2	11.63	938416	25.0	
Bicyclo[4.1.0]hep...	12.34	113.9	ug/L	4273780	2	11.63	938416	25.0	
(DEL) Alkane: Cyc...	12.38	44.5	ug/L	1669660	2	11.63	938416	25.0	
unknown-02	12.62	60.3	ug/L	881785	3	13.56	365538	25.0	
unknown-03	12.78	300.1	ug/L	4388360	3	13.56	365538	25.0	
unknown-04	12.86	138.7	ug/L	2027740	3	13.56	365538	25.0	
Benzene, 1,2,3-tr...	12.94	496.0	ug/L	7252540	3	13.56	365538	25.0	
Oxalic acid, di(c...	12.99	61.6	ug/L	900161	3	13.56	365538	25.0	
(DEL) Alkane: Cyc...	13.04	15.7	ug/L	229006	3	13.56	365538	25.0	
Dichloroacetic ac...	13.08	47.5	ug/L	693944	3	13.56	365538	25.0	
Sulfurous acid, c...	13.12	27.2	ug/L	397570	3	13.56	365538	25.0	
Pentalene, octahy...	13.17	205.7	ug/L	3006840	3	13.56	365538	25.0	
(DEL) Alkane: Str...	13.29	10.5	ug/L	153309	3	13.56	365538	25.0	
Cyclohexene, 3-me...	13.39	117.8	ug/L	1721940	3	13.56	365538	25.0	
(DEL) Alkane: Cyc...	13.44	139.3	ug/L	2037350	3	13.56	365538	25.0	
o-Cymene	13.49	48.2	ug/L	705090	3	13.56	365538	25.0	
Benzene, 1,4-diet...	13.72	13.7	ug/L	199736	3	13.56	365538	25.0	

unknown-05	13.75	32.1 ug/L	470003	3	13.56	365538	25.0
Benzene, 1-ethyl-...	13.79	61.9 ug/L	905416	3	13.56	365538	25.0
Benzene, 1-methyl...	13.95	14.3 ug/L	208708	3	13.56	365538	25.0
Benzene, 4-ethyl-...	14.01	33.3 ug/L	486728	3	13.56	365538	25.0
Benzene, 2-ethyl-...	14.10	101.8 ug/L	1488520	3	13.56	365538	25.0
unknown-06	14.20	119.0 ug/L	1739180	3	13.56	365538	25.0
Adamantane	14.26	58.7 ug/L	858507	3	13.56	365538	25.0
1H-Indene, 2,3-di...	14.34	46.5 ug/L	679379	3	13.56	365538	25.0
Naphthalene, deca...	14.38	56.5 ug/L	826636	3	13.56	365538	25.0
Benzene, 1,2,4,5-...	14.41	47.5 ug/L	694210	3	13.56	365538	25.0
Benzene, 2-ethyl-...	14.46	39.2 ug/L	573518	3	13.56	365538	25.0
Benzene, 1,3-diet...	14.50	29.7 ug/L	433715	3	13.56	365538	25.0
unknown-07	14.54	56.0 ug/L	818550	3	13.56	365538	25.0
unknown-08	14.64	28.2 ug/L	411937	3	13.56	365538	25.0
unknown-09	14.70	16.0 ug/L	234596	3	13.56	365538	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG2J1