

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032019\
 Data File : VW009307.D
 Acq On : 21 Mar 2019 01:24
 Operator : SY/VA
 Sample : K1988-08
 Misc : 4.95G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0B9

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\SOM2WLM031419S.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	69	74	84	rVB	83635	176486	12.74%	1.021%
2	2.897	155	163	174	rBV	74945	198344	14.32%	1.148%
3	4.013	335	346	357	rBV2	143798	478909	34.58%	2.771%
4	4.379	394	406	415	rBV3	16280	57835	4.18%	0.335%
5	4.598	439	442	444	rBV	1305	2027	0.15%	0.012%
6	4.903	485	492	493	rBV3	8972	14883	1.07%	0.086%
7	5.086	519	522	525	rVB2	2249	1994	0.14%	0.012%
8	5.623	608	610	613	rBV2	1562	2165	0.16%	0.013%
9	5.677	615	619	620	rBV2	1491	2457	0.18%	0.014%
10	5.726	626	627	630	rBV2	2169	2424	0.18%	0.014%
11	5.921	656	659	660	rBV2	3196	3401	0.25%	0.020%
12	6.190	699	703	705	rVV	2256	2260	0.16%	0.013%
13	6.909	819	821	823	rVB	2468	2087	0.15%	0.012%
14	6.982	830	833	835	rBV	2143	2551	0.18%	0.015%
15	7.074	841	848	853	rBV	39473	96816	6.99%	0.560%
16	7.141	855	859	872	rVB3	35685	107412	7.76%	0.621%
17	7.397	898	901	902	rBV	2254	2390	0.17%	0.014%
18	7.506	917	919	921	rBV	2012	2326	0.17%	0.013%
19	7.640	931	941	951	rBV	271059	639235	46.15%	3.698%
20	7.744	956	958	962	rVB	1795	1970	0.14%	0.011%
21	8.275	1033	1045	1058	rBV3	458138	1384980	100.00%	8.013%
22	8.378	1058	1062	1063	rVB	2882	3090	0.22%	0.018%
23	8.463	1074	1076	1077	rBV2	2745	2487	0.18%	0.014%
24	8.549	1088	1090	1093	rBV2	2227	2759	0.20%	0.016%
25	8.701	1113	1115	1119	rVB2	2911	3195	0.23%	0.018%
26	8.841	1129	1138	1146	rBV	442996	864653	62.43%	5.003%
27	9.073	1167	1176	1180	rVV4	13925	33065	2.39%	0.191%
28	9.274	1199	1209	1220	rBV	325273	681817	49.23%	3.945%
29	9.518	1247	1249	1253	rVB2	1670	2645	0.19%	0.015%
30	9.579	1257	1259	1261	rVB	2412	2096	0.15%	0.012%
31	9.750	1282	1287	1290	rBV4	2263	3251	0.23%	0.019%
32	9.884	1305	1309	1312	rBV4	2961	5254	0.38%	0.030%
33	10.030	1325	1333	1341	rBV	145048	265808	19.19%	1.538%
34	10.256	1368	1370	1373	rVB2	2338	2338	0.17%	0.014%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
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35	10.323	1373	1381	1388	rBV	616983	1075376	77.65%	6.222%
36	10.494	1403	1409	1410	rBV4	2578	4121	0.30%	0.024%
37	10.579	1416	1423	1428	rBV	95109	170805	12.33%	0.988%
38	10.701	1439	1443	1450	rVB3	11076	20816	1.50%	0.120%
39	10.774	1450	1455	1456	rVB4	3240	4551	0.33%	0.026%
40	10.798	1456	1459	1463	rBV4	2259	3547	0.26%	0.021%
41	10.841	1463	1466	1470	rVB4	3535	6201	0.45%	0.036%
42	10.926	1474	1480	1486	rBV	159116	272090	19.65%	1.574%
43	11.024	1494	1496	1499	rBV4	4131	5865	0.42%	0.034%
44	11.061	1499	1502	1507	rVB3	14311	21209	1.53%	0.123%
45	11.109	1507	1510	1513	rVB3	6274	6854	0.49%	0.040%
46	11.176	1516	1521	1525	rBV2	43410	71172	5.14%	0.412%
47	11.231	1525	1530	1535	rVV3	37881	68898	4.97%	0.399%
48	11.286	1535	1539	1542	rVV3	18877	29981	2.16%	0.173%
49	11.329	1542	1546	1551	rVB4	35213	61373	4.43%	0.355%
50	11.384	1551	1555	1557	rBV3	8680	14492	1.05%	0.084%
51	11.432	1558	1563	1570	rVB2	92472	164158	11.85%	0.950%
52	11.512	1572	1576	1580	rBV2	28183	46760	3.38%	0.271%
53	11.560	1580	1584	1589	rBV5	14733	26689	1.93%	0.154%
54	11.634	1589	1596	1606	rVV	599370	1056660	76.29%	6.113%
55	11.762	1613	1617	1620	rBV3	29093	42631	3.08%	0.247%
56	11.810	1620	1625	1630	rVV4	58474	125676	9.07%	0.727%
57	11.871	1630	1635	1639	rVV	188504	340848	24.61%	1.972%
58	11.914	1639	1642	1648	rVB2	164187	273351	19.74%	1.581%
59	11.975	1648	1652	1657	rBV4	34221	63024	4.55%	0.365%
60	12.036	1658	1662	1665	rBV4	19425	33137	2.39%	0.192%
61	12.140	1671	1679	1687	rBV3	239073	607078	43.83%	3.512%
62	12.225	1690	1693	1701	rVB2	93458	187501	13.54%	1.085%
63	12.298	1701	1705	1708	rBV2	153231	265869	19.20%	1.538%
64	12.341	1708	1712	1716	rBV	261943	394498	28.48%	2.282%
65	12.560	1746	1748	1752	rVB2	68994	88760	6.41%	0.514%
66	12.615	1752	1757	1762	rVB5	79148	149536	10.80%	0.865%
67	12.694	1762	1770	1776	rBV	365808	760853	54.94%	4.402%
68	12.780	1780	1784	1791	rVB3	284233	549678	39.69%	3.180%
69	12.859	1791	1797	1802	rBV4	236521	592903	42.81%	3.430%
70	12.926	1804	1808	1816	rVB3	309505	719409	51.94%	4.162%
71	13.042	1824	1827	1830	rBV3	44980	71174	5.14%	0.412%

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72	13.085	1830	1834	1838	rVB3	91618	134351	9.70%	0.777%
73	13.170	1844	1848	1857	rVB3	138723	319724	23.09%	1.850%
74	13.298	1859	1869	1872	rBV4	113787	369656	26.69%	2.139%
75	13.383	1879	1883	1886	rBV3	65049	115611	8.35%	0.669%
76	13.432	1888	1891	1897	rVV4	67189	136354	9.85%	0.789%
77	13.560	1906	1912	1919	rVB	566496	914974	66.06%	5.294%
78	13.627	1920	1923	1927	rBV2	33154	50949	3.68%	0.295%
79	13.719	1935	1938	1947	rVB	98462	187705	13.55%	1.086%
80	13.804	1947	1952	1955	rVV	64042	118028	8.52%	0.683%
81	13.853	1955	1960	1971	rVB	481112	988095	71.34%	5.717%
82	13.950	1972	1976	1983	rVB	29329	47226	3.41%	0.273%
83	14.097	1995	2000	2006	rVB3	73889	132707	9.58%	0.768%
84	14.212	2012	2019	2024	rVB5	29578	78114	5.64%	0.452%
85	14.273	2025	2029	2034	rBV7	8200	17549	1.27%	0.102%
86	14.322	2034	2037	2039	rBV4	11458	15800	1.14%	0.091%
87	14.395	2044	2049	2051	rVV5	25332	41387	2.99%	0.239%
88	14.426	2051	2054	2060	rVB4	29453	48339	3.49%	0.280%
89	14.505	2062	2067	2071	rBV	19018	30718	2.22%	0.178%
90	14.706	2096	2100	2101	rBV3	7650	9927	0.72%	0.057%
91	14.798	2111	2115	2124	rVB5	20966	45871	3.31%	0.265%
92	14.865	2124	2126	2128	rBV2	3647	3520	0.25%	0.020%
93	15.011	2147	2150	2151	rVB2	2421	2261	0.16%	0.013%
94	15.060	2156	2158	2162	rBV4	2802	4722	0.34%	0.027%
95	15.145	2170	2172	2174	rBV2	2571	2392	0.17%	0.014%
96	15.438	2218	2220	2225	rVB5	3659	4864	0.35%	0.028%
97	15.737	2267	2269	2272	rBV2	2360	2434	0.18%	0.014%
98	16.304	2360	2362	2366	rBV3	1834	3428	0.25%	0.020%
99	16.389	2374	2376	2379	rVV2	2265	2331	0.17%	0.013%
100	16.468	2387	2389	2390	rVV	2952	2416	0.17%	0.014%

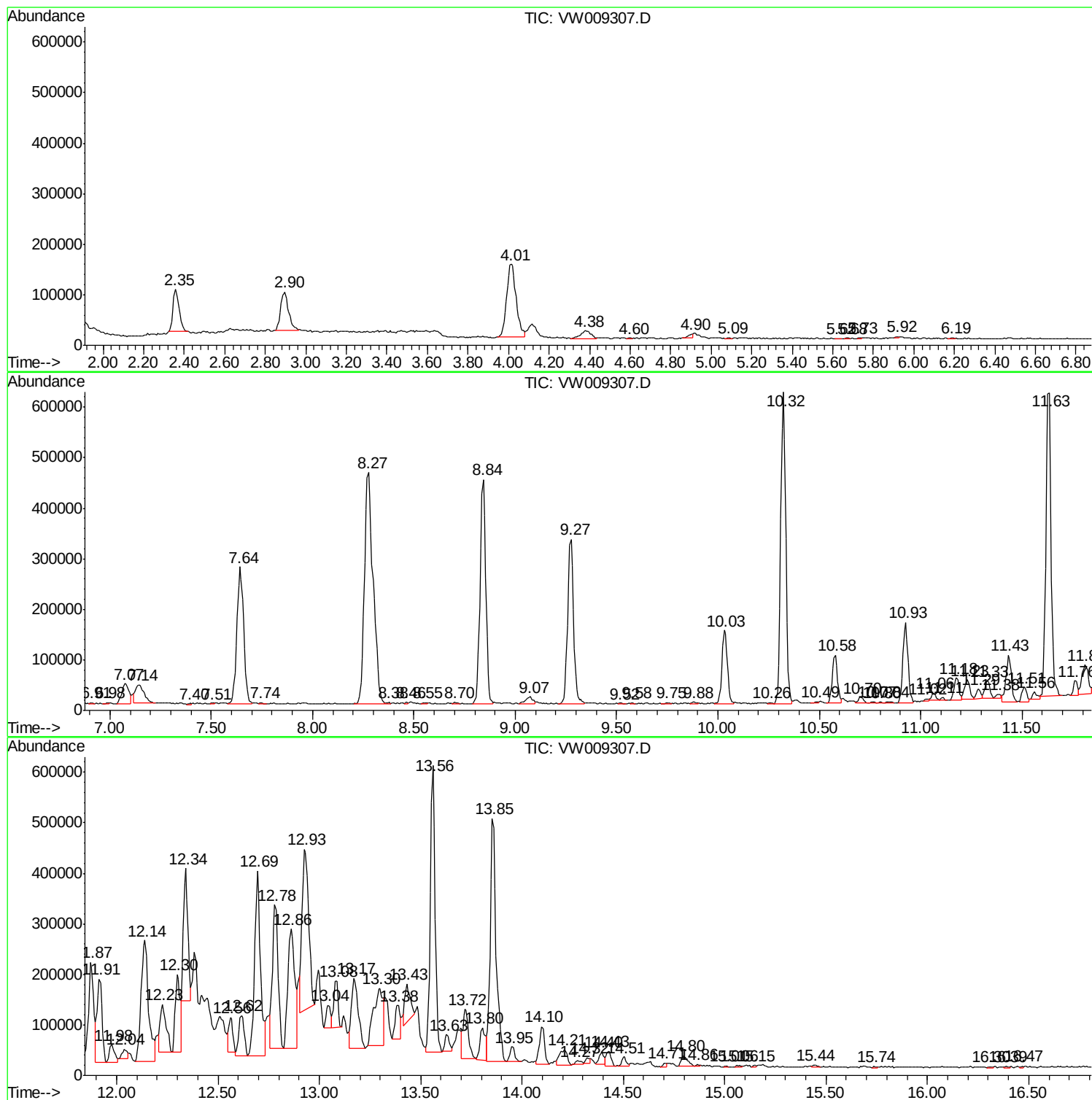
Sum of corrected areas: 17284407

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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



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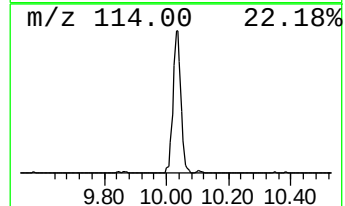
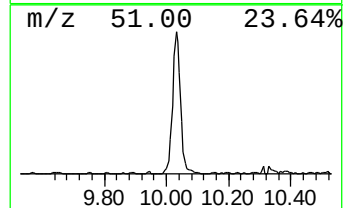
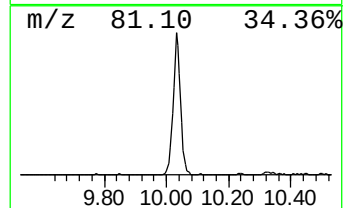
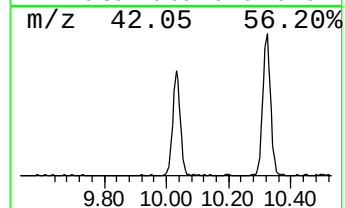
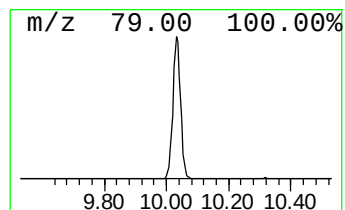
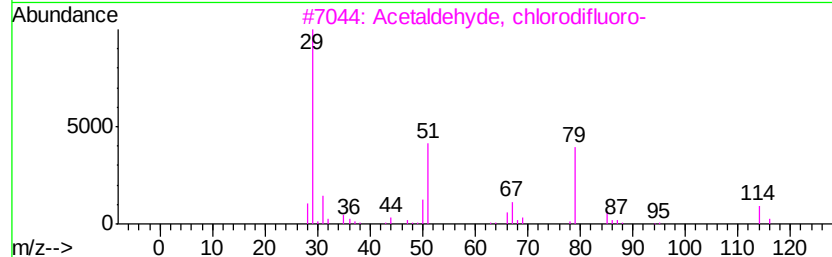
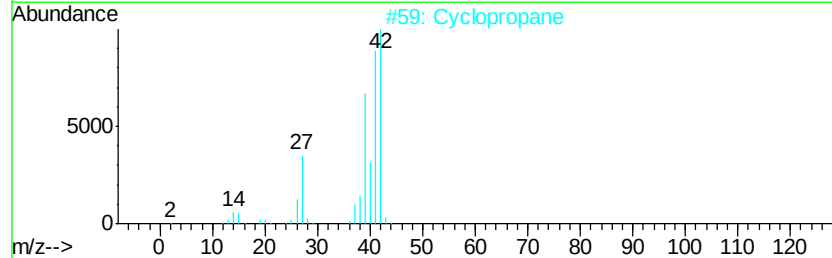
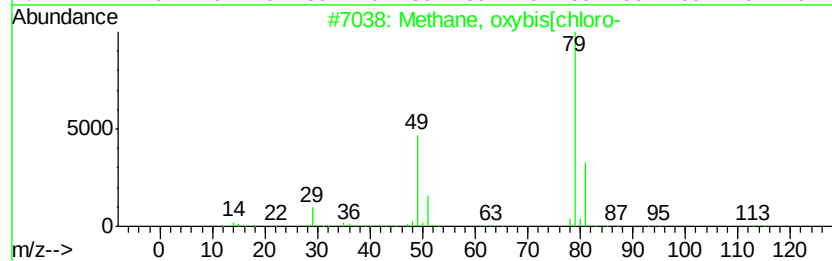
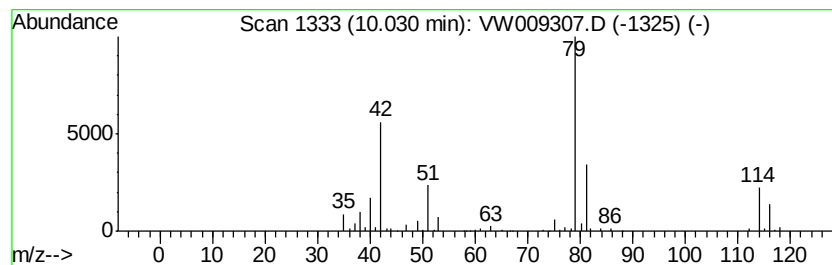
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 2 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.03	7.69 ug/L	265808	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
2	Cyclopropane	42	C3H6	000075-19-4	9
3	Acetaldehyde, chlorodifluoro-	114	C2HClF2O	000811-96-1	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	9



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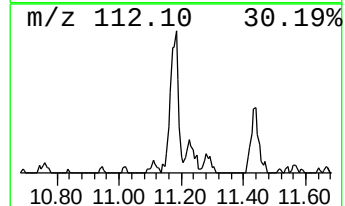
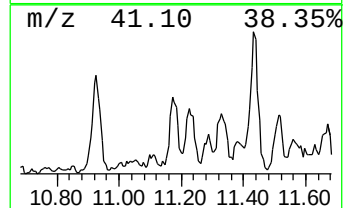
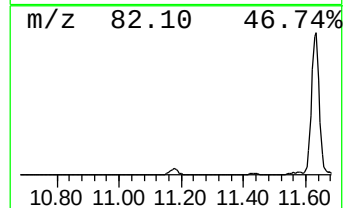
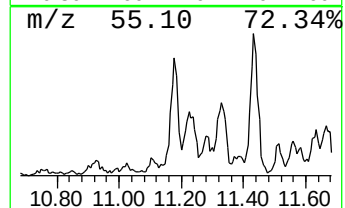
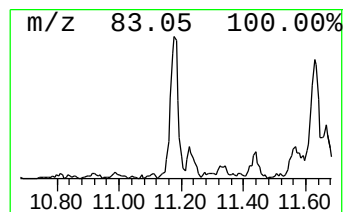
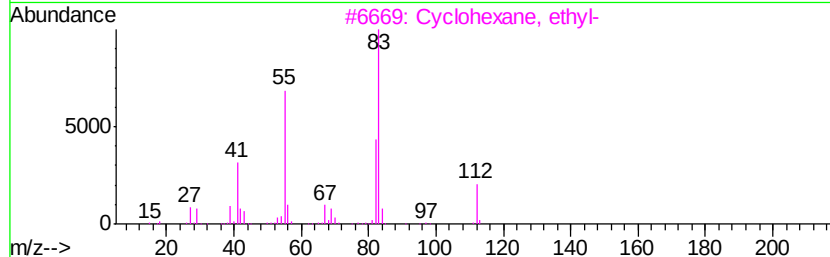
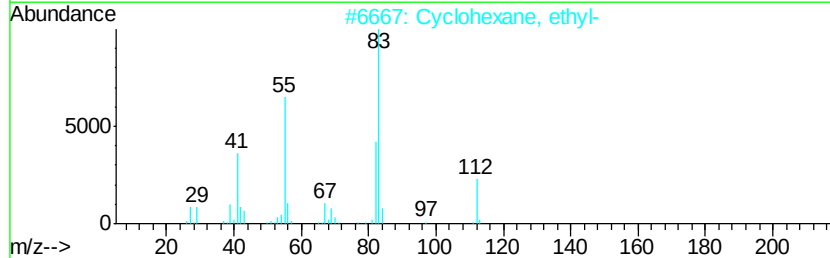
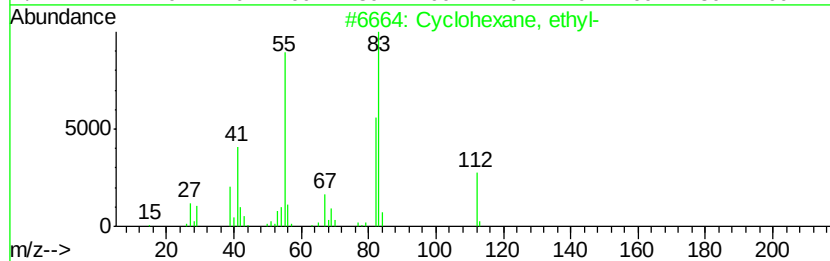
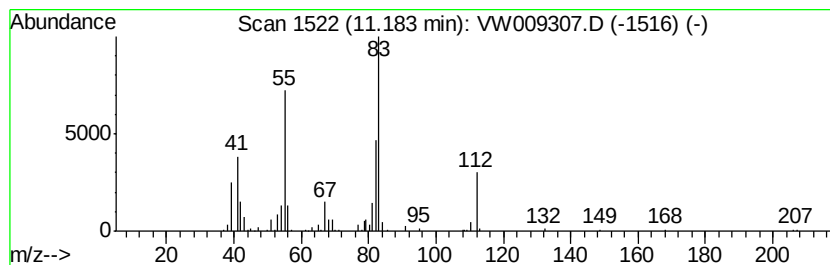
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic11.18 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.18	1.68 ug/L	71172	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
5	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	53



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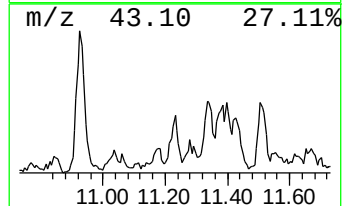
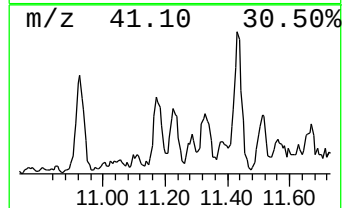
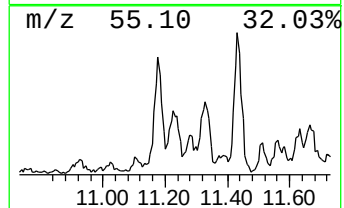
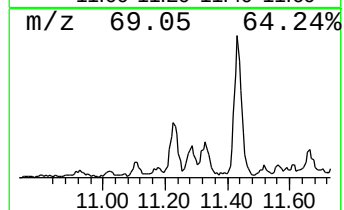
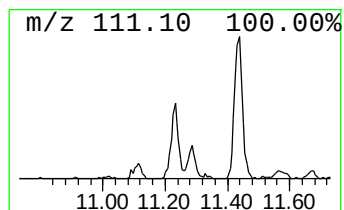
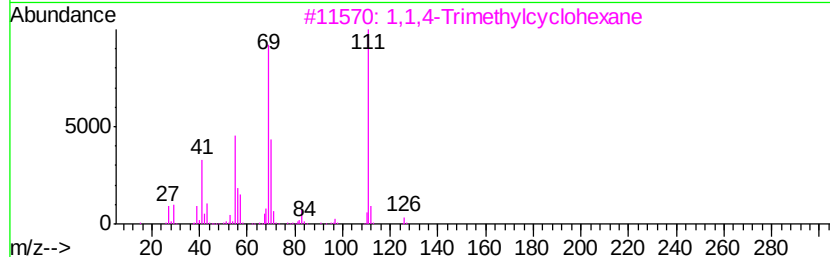
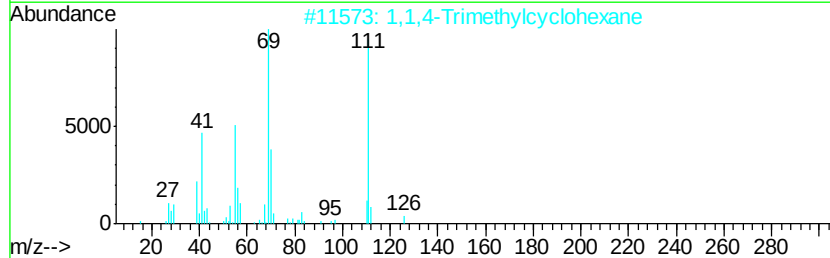
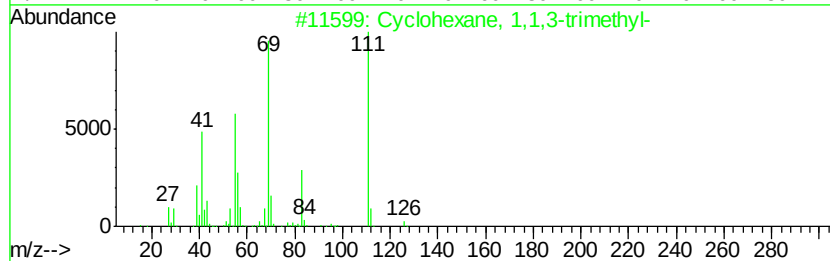
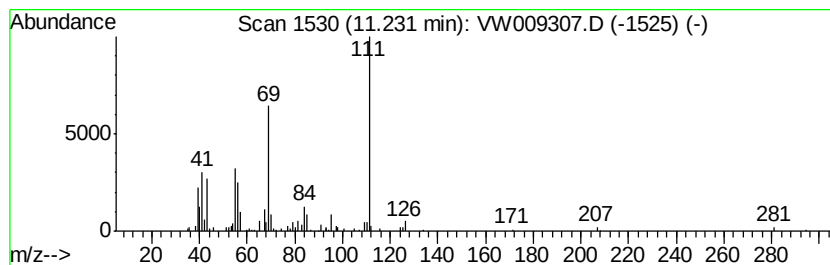
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic11.23 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	1.63 ug/L	68898	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
2		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
3		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
4		Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	50
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B9

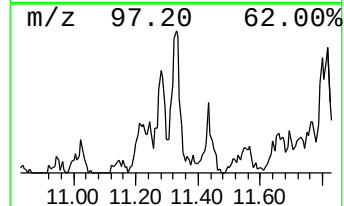
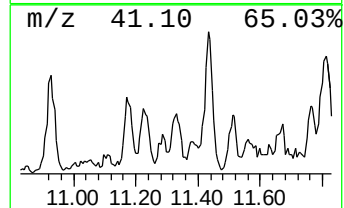
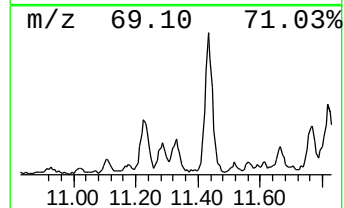
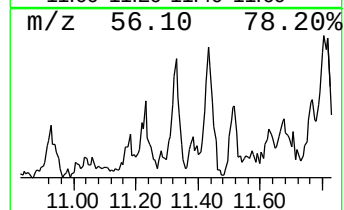
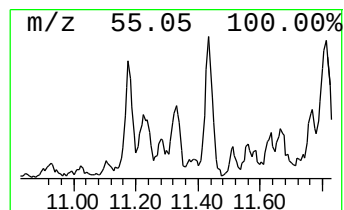
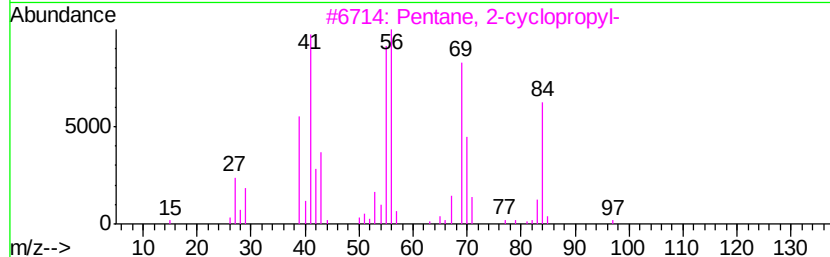
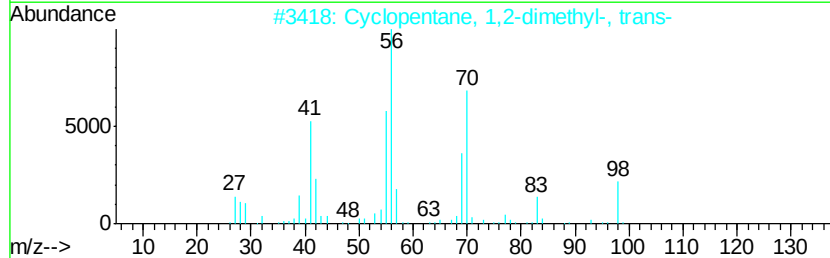
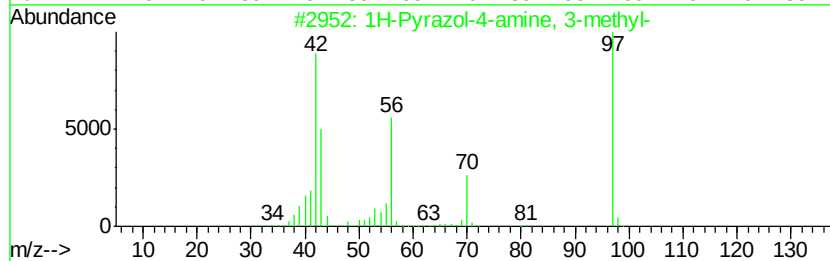
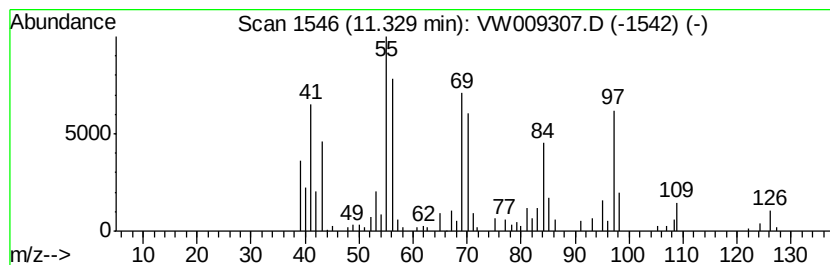
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Quant Title : VOC Analysis

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

Peak Number 5 unknown-02 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	1.45 ug/L	61373	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	46
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	46
3		Pentane, 2-cyclopropyl-	112	C8H16	005458-16-2	46
4		Isopropylcyclobutane	98	C7H14	000872-56-0	43
5		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

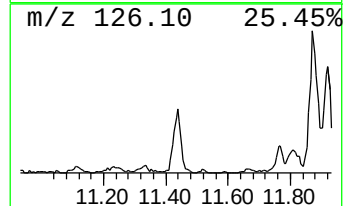
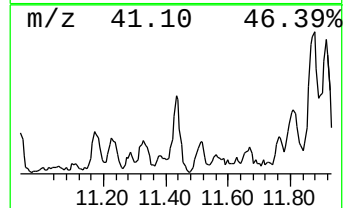
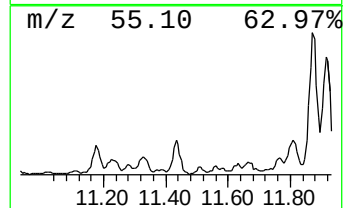
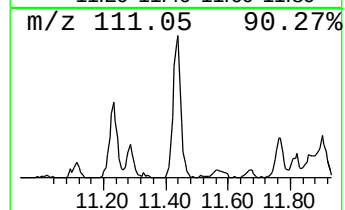
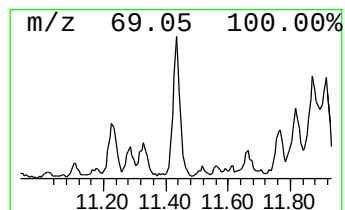
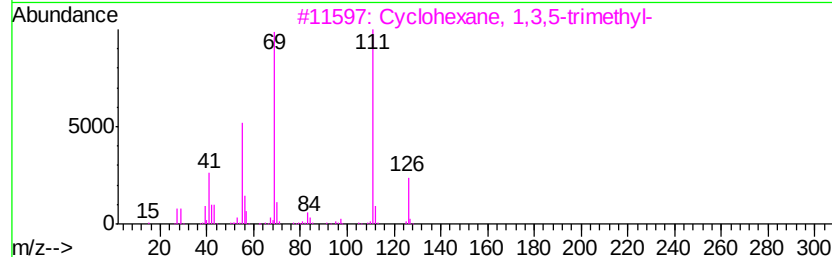
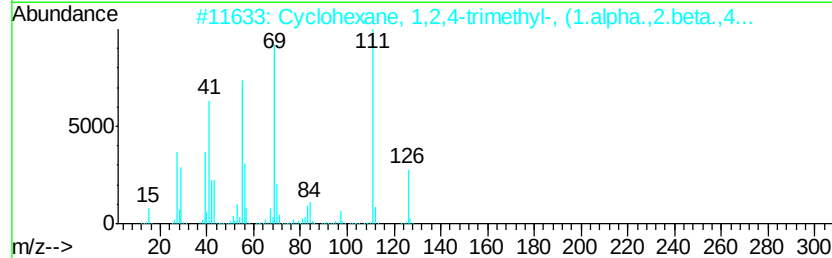
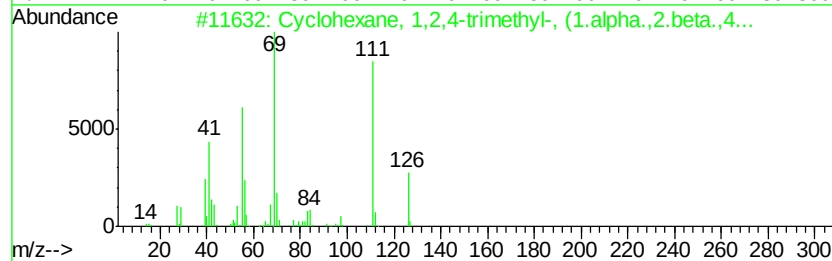
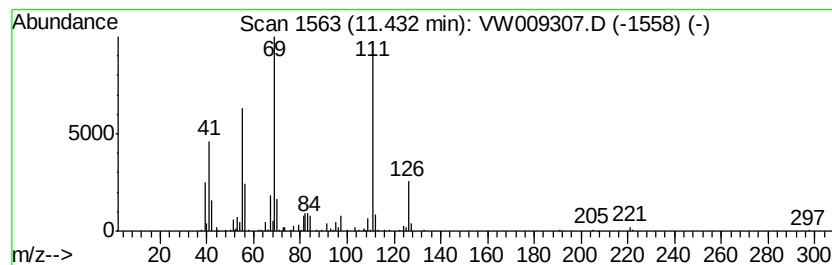
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.43	3.88 ug/L	164158	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	92
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

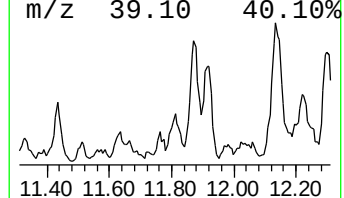
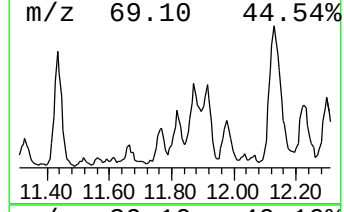
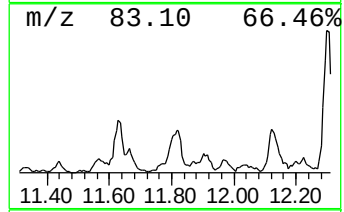
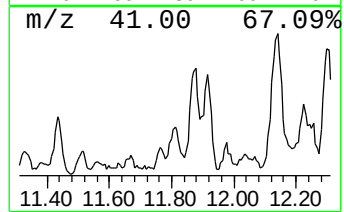
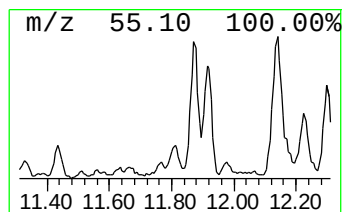
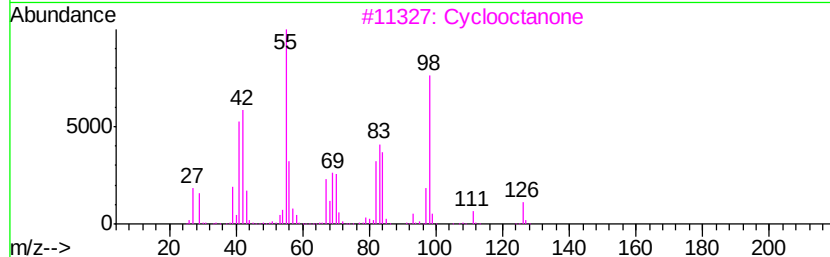
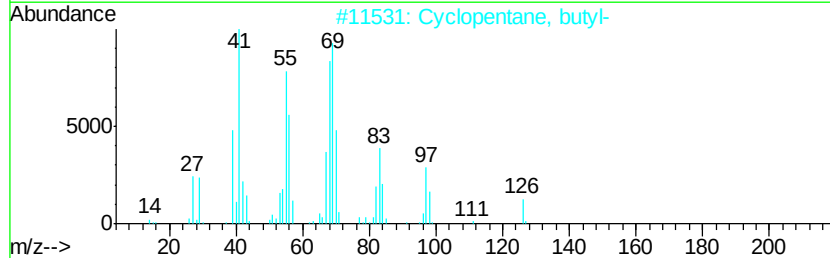
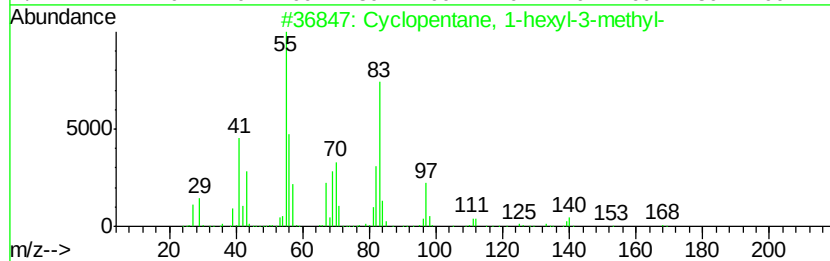
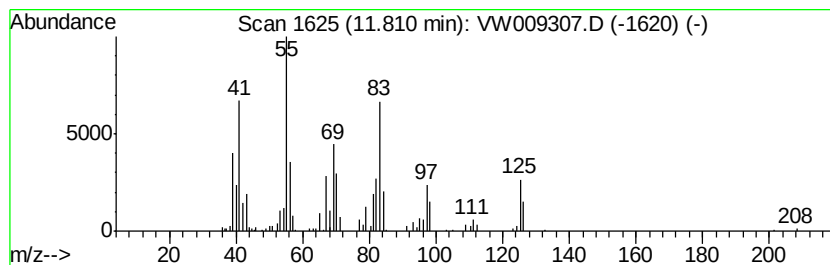
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	2.97 ug/L	125676	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	58
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	55
3	Cyclooctanone	126	C8H14O	000502-49-8	52
4	1-Dodecene	168	C12H24	000112-41-4	43
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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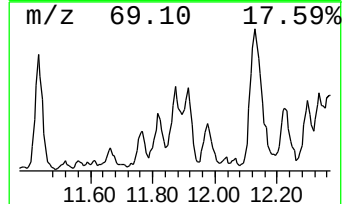
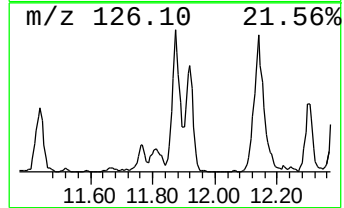
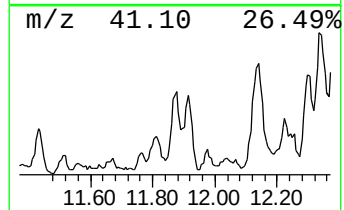
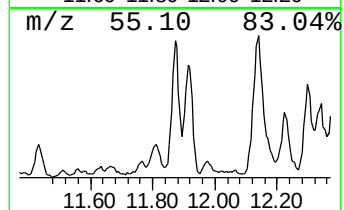
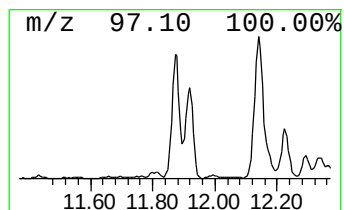
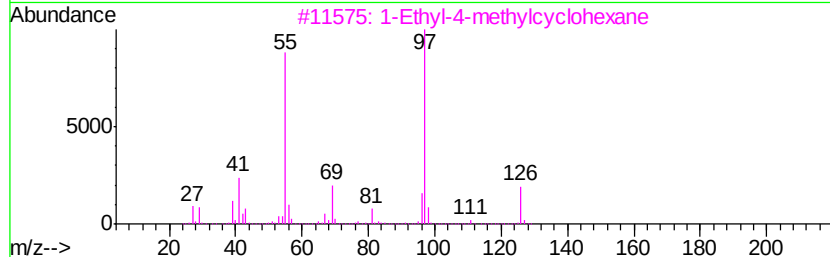
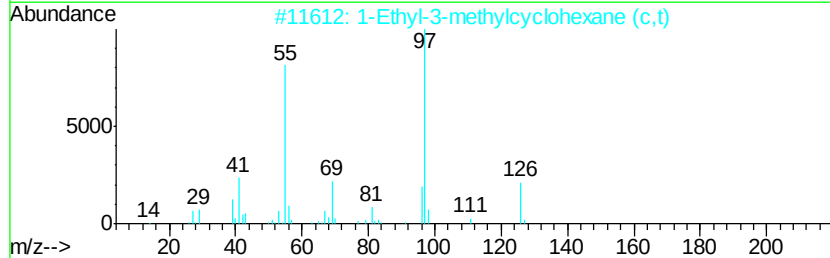
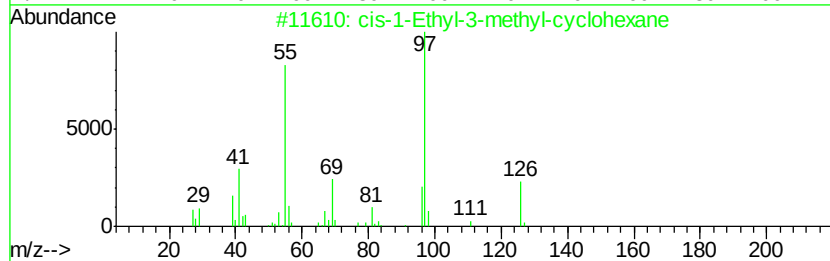
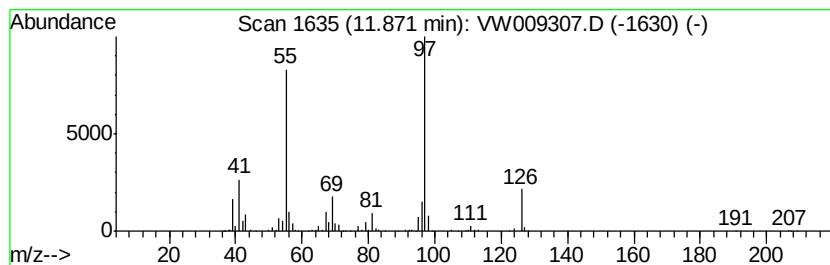
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic11.87 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.06 ug/L	340848	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	95
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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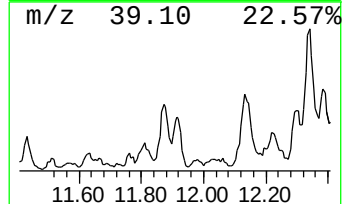
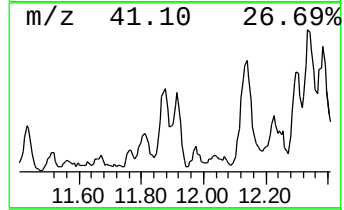
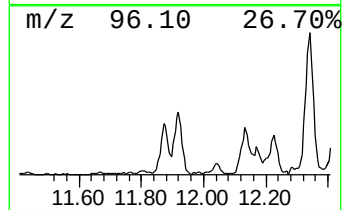
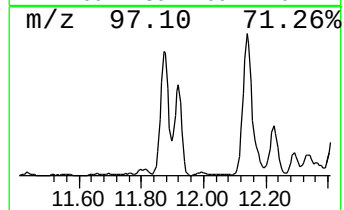
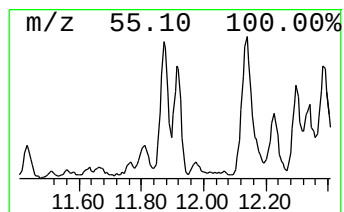
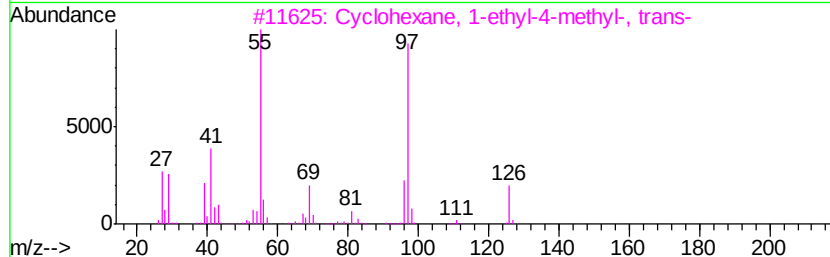
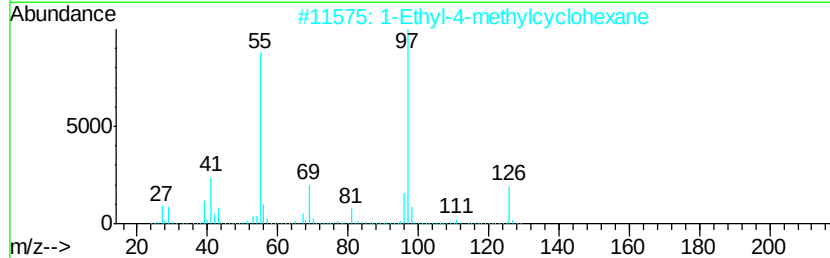
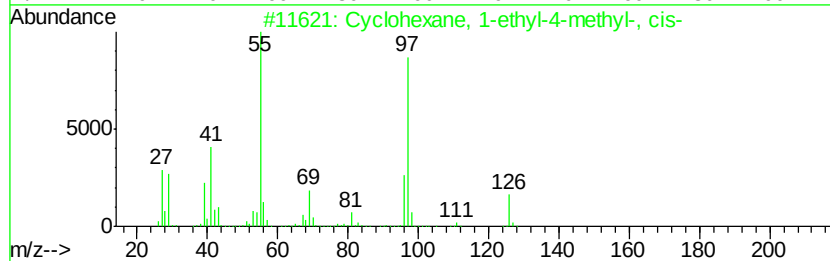
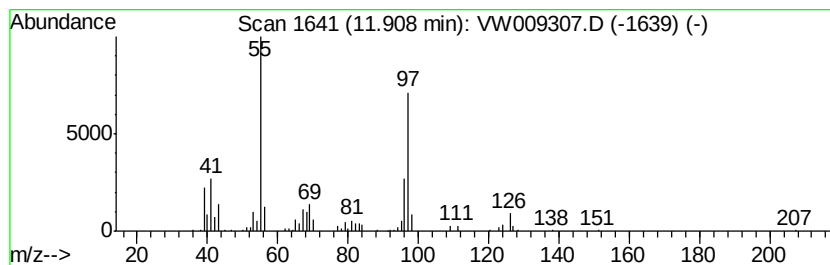
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic11.91 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.47 ug/L	273351	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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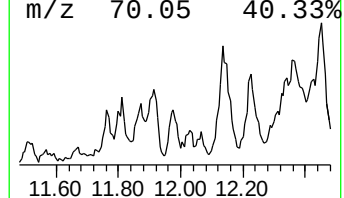
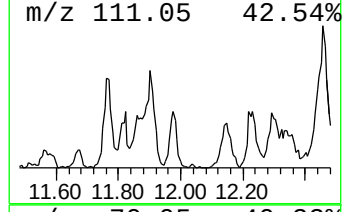
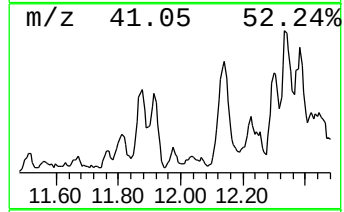
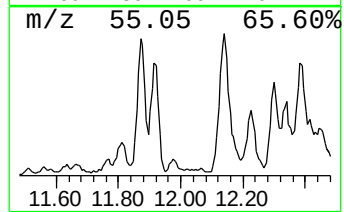
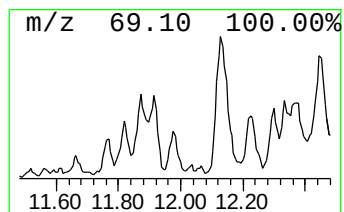
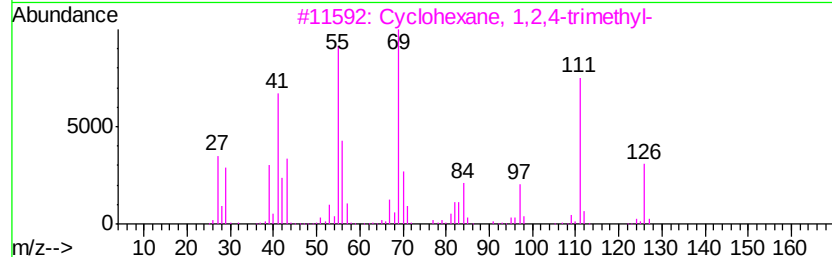
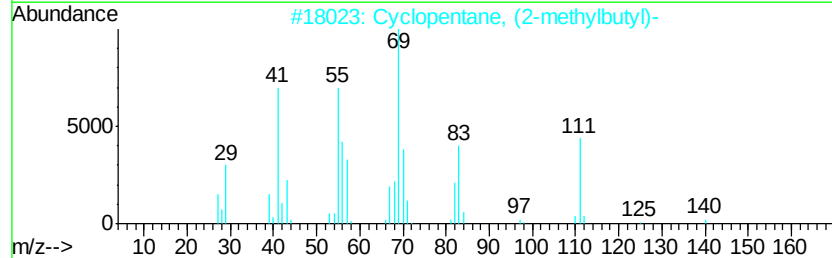
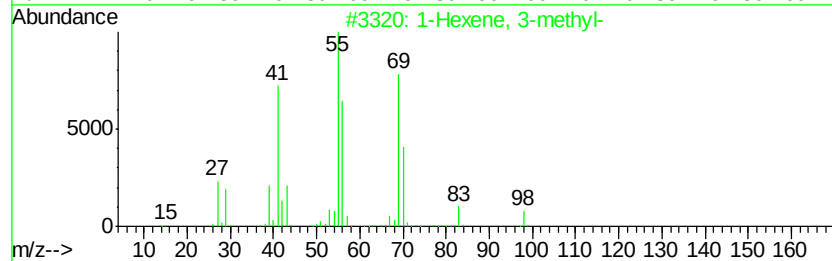
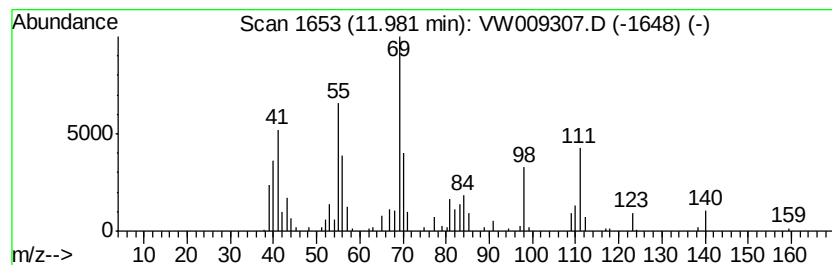
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic11.98 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	1.49 ug/L	63024	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	70
2			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	68
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	59
4			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	53
5			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B9

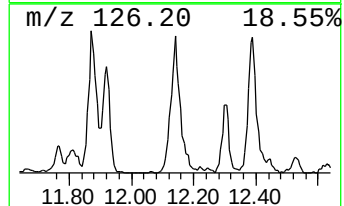
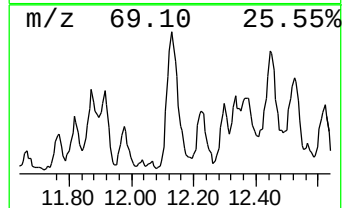
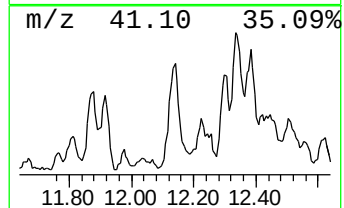
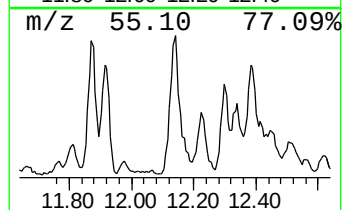
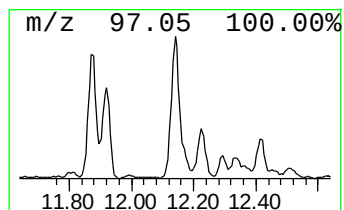
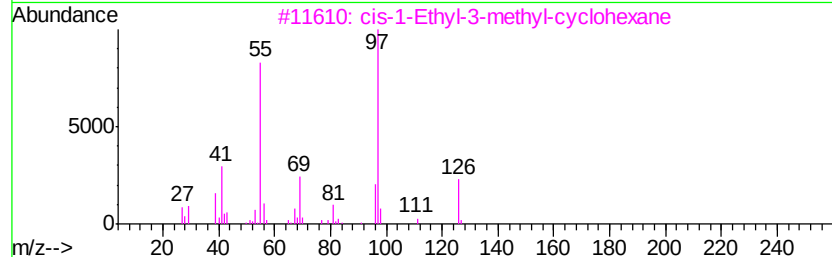
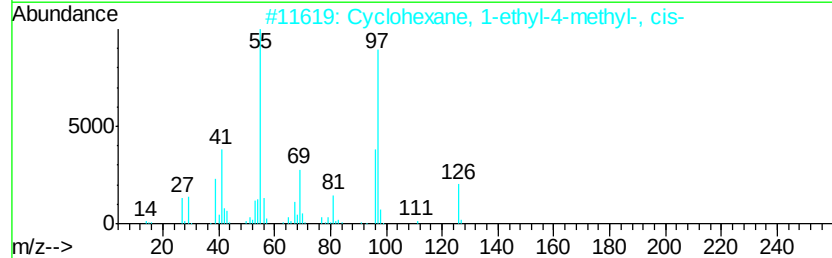
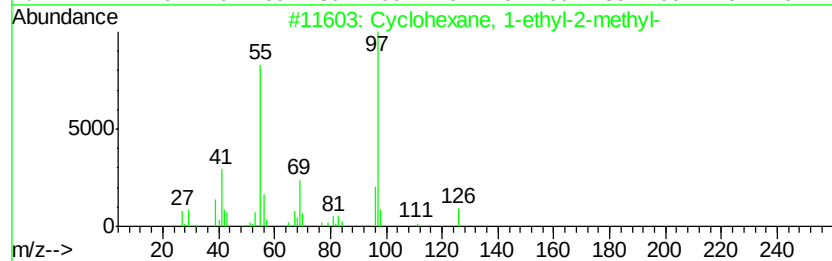
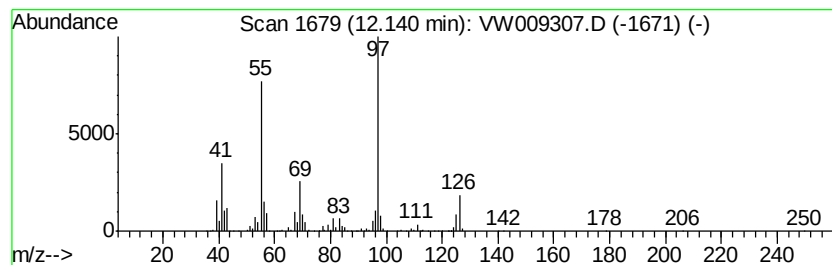
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic12.14 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	14.36 ug/L	607078	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	90
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B9

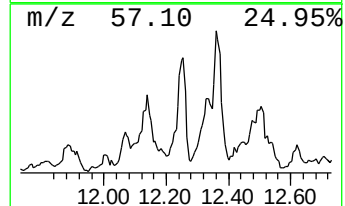
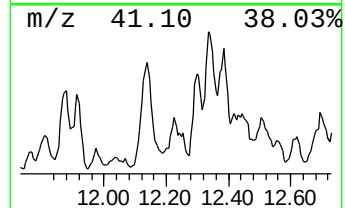
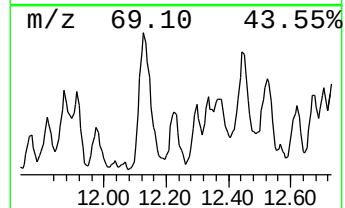
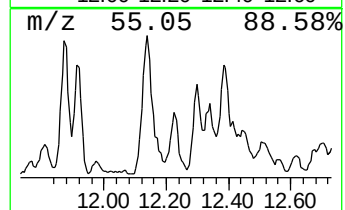
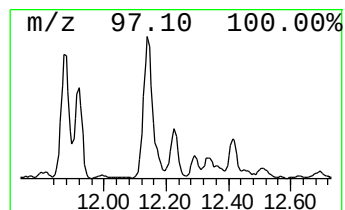
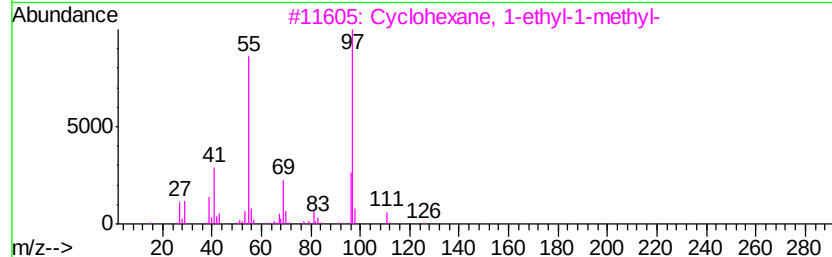
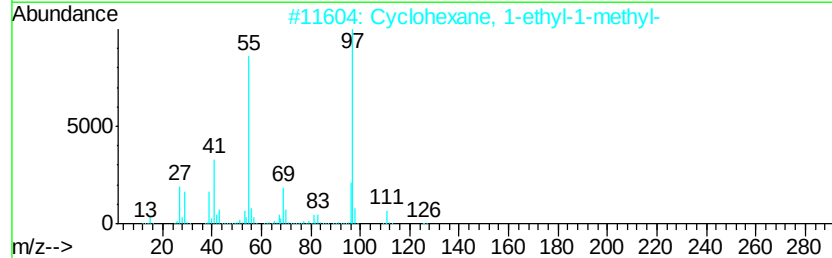
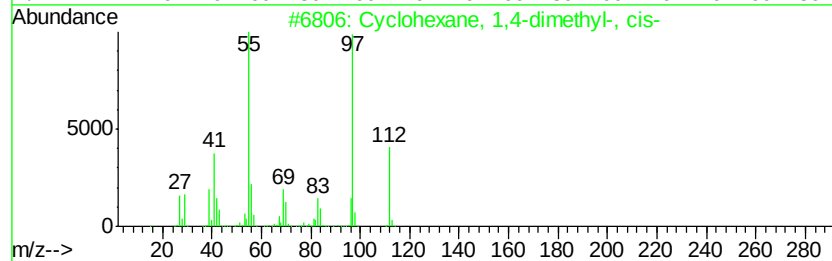
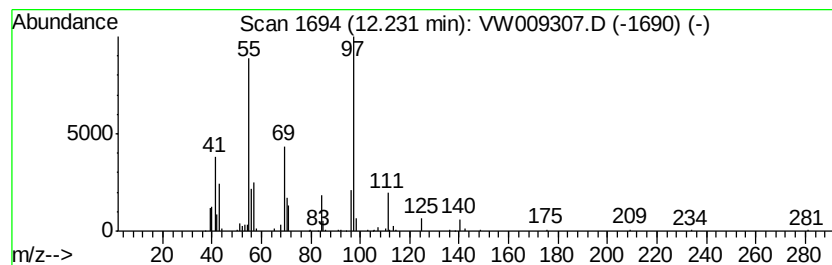
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic12.23 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.44 ug/L	187501	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	59
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	58
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
4		7-Tridecanol	200	C13H28O	000927-45-7	53
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B9

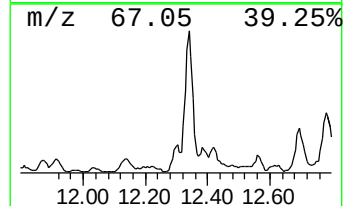
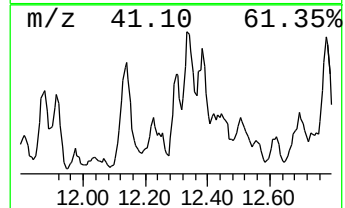
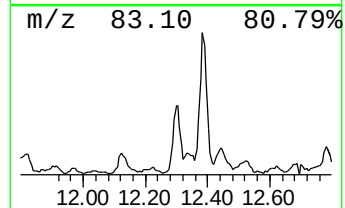
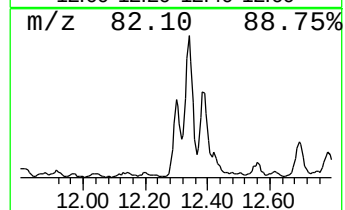
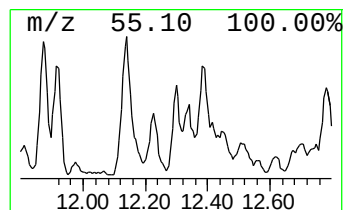
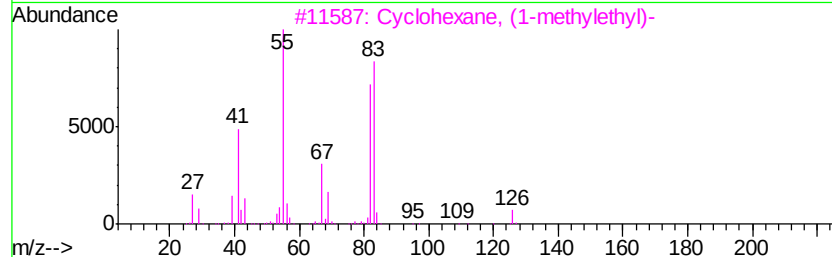
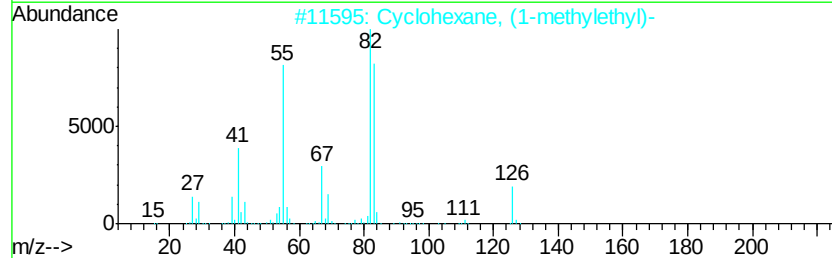
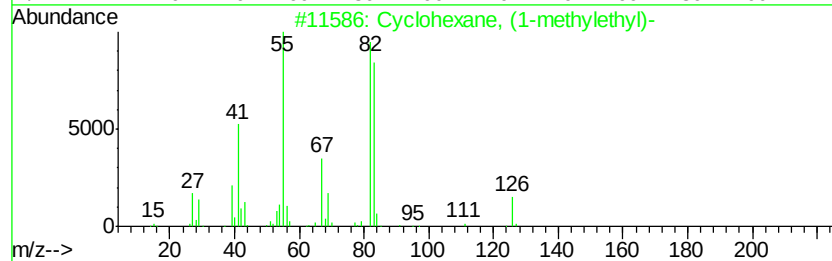
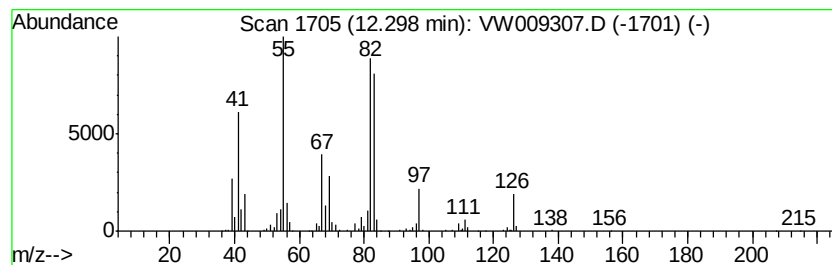
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Cyclic12.30 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.29 ug/L	265869	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4			Acetic acid, mercapto-, cyclohex...	174	C8H14O2S	016849-98-2	59
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

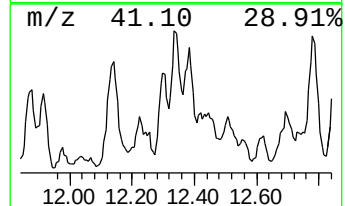
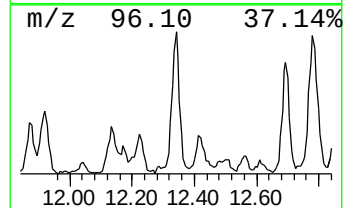
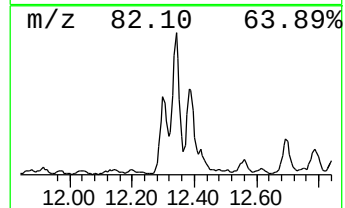
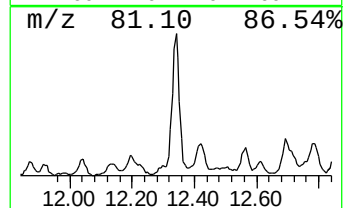
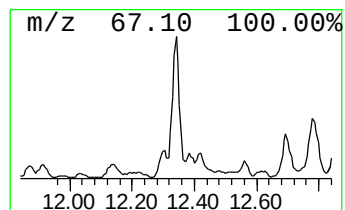
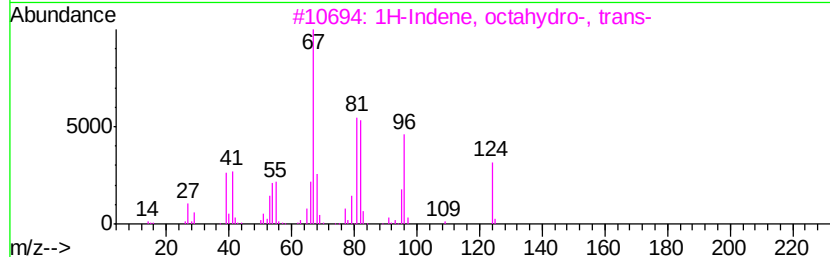
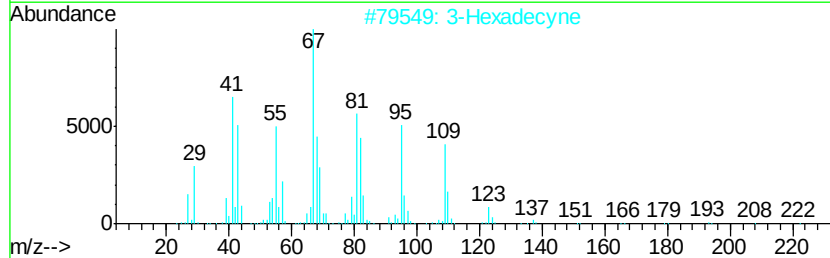
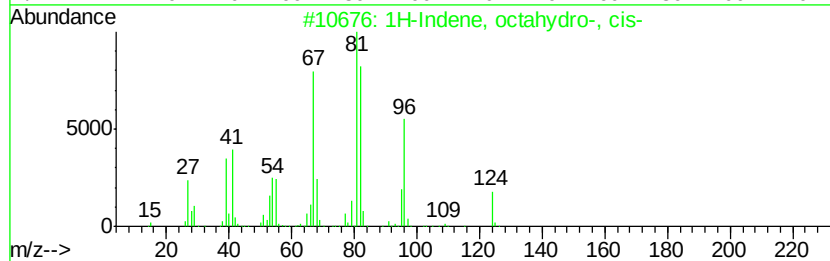
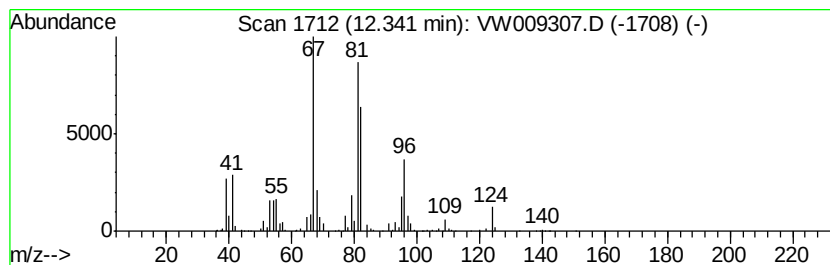
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 14 1H-Indene, octahydro-, cis- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.34	9.33 ug/L	394498	Chlorobenzene-d5		11.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
2		3-Hexadecyne	222	C16H30	061886-62-2	64
3		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
4		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	58
5		Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

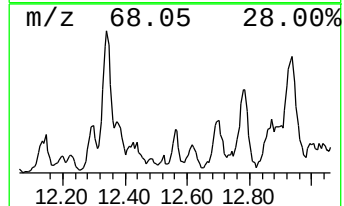
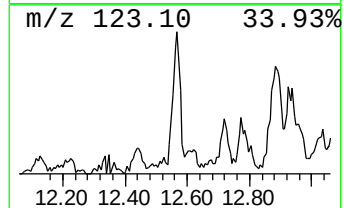
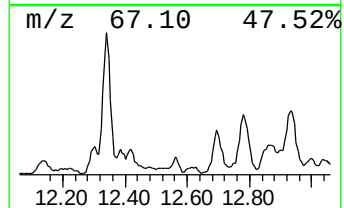
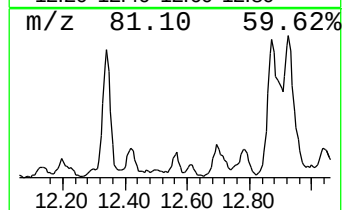
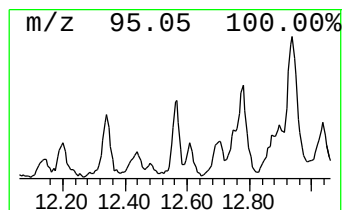
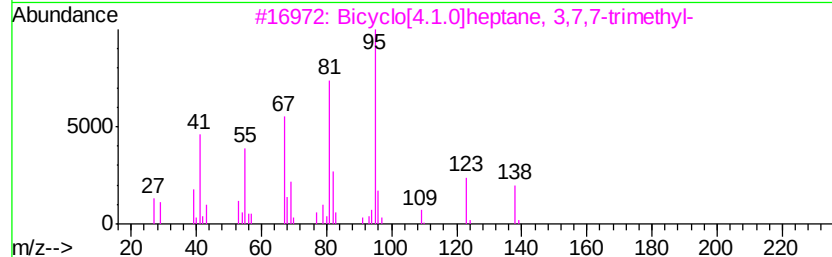
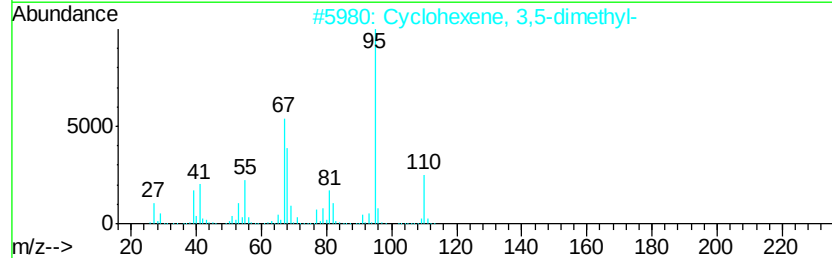
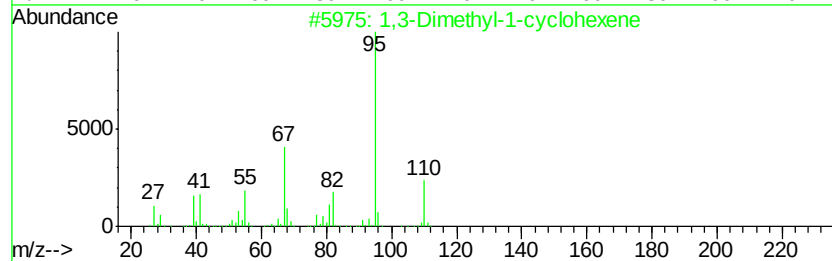
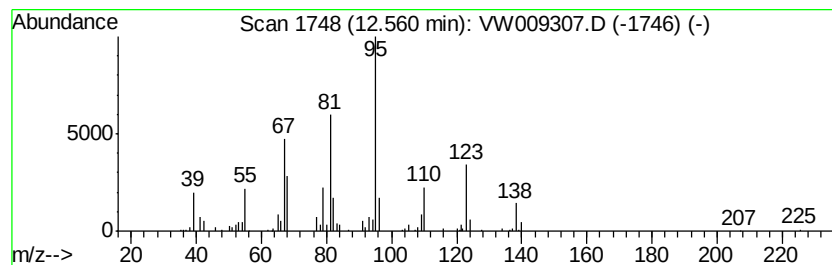
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Quant Title : VOC Analysis

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

Peak Number 15 1,3-Dimethyl-1-cyclohexene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.56	2.10 ug/L	88760	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	58
2		Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	58
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	53
4		Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	52
5		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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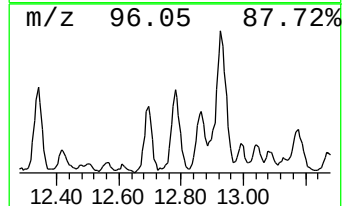
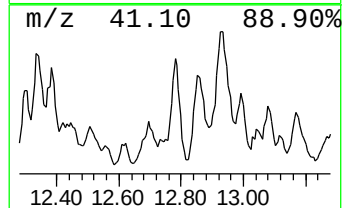
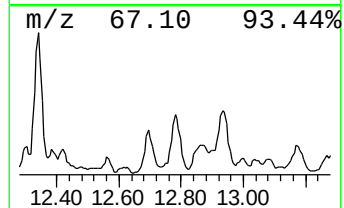
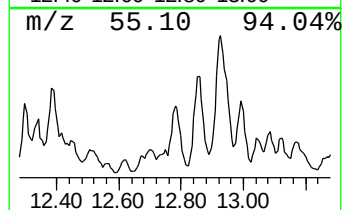
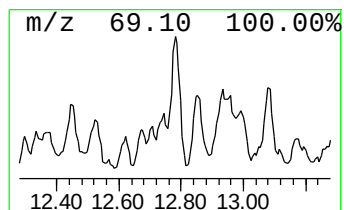
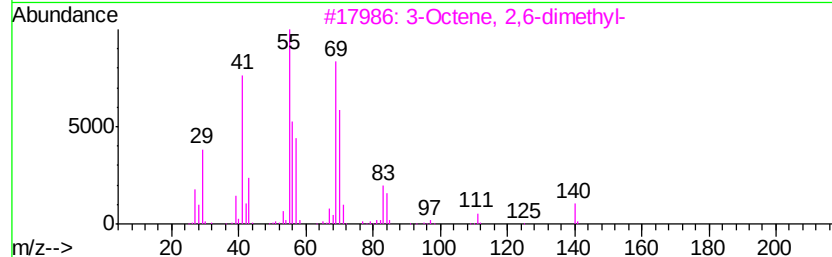
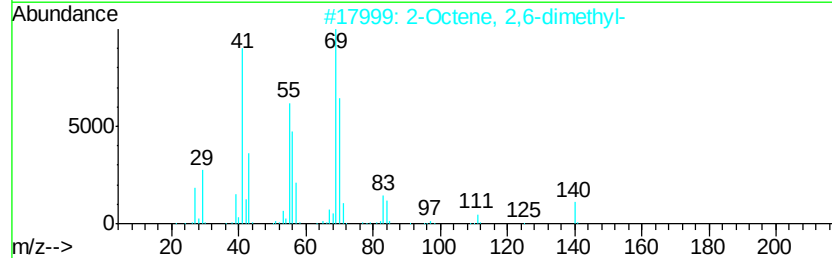
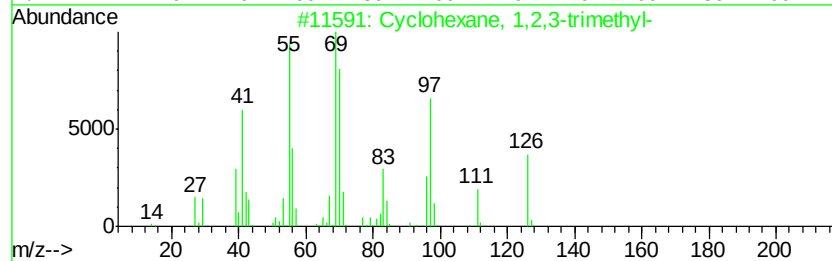
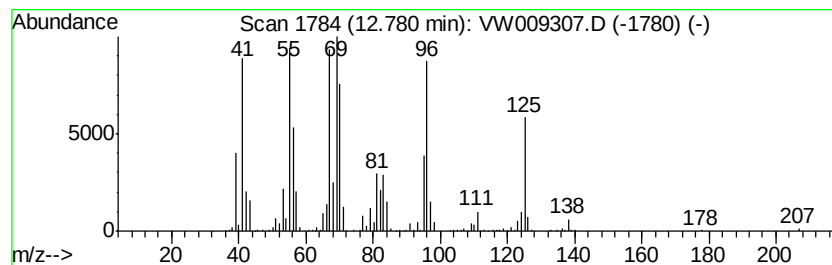
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic12.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	15.02 ug/L	549678	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	41
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	35
3		3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	35
4		2,4-Dimethylfuran	96	C6H8O	003710-43-8	27
5		Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

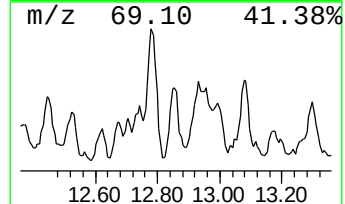
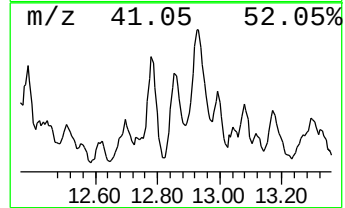
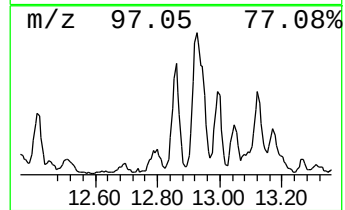
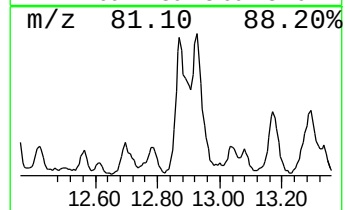
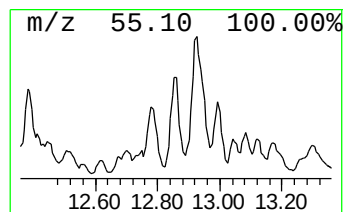
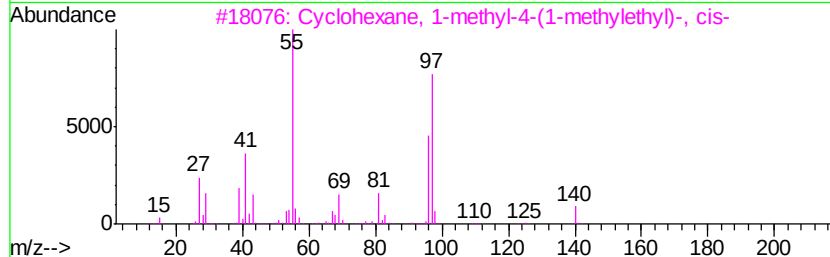
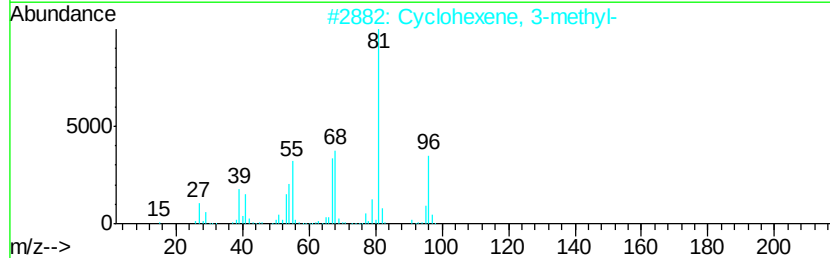
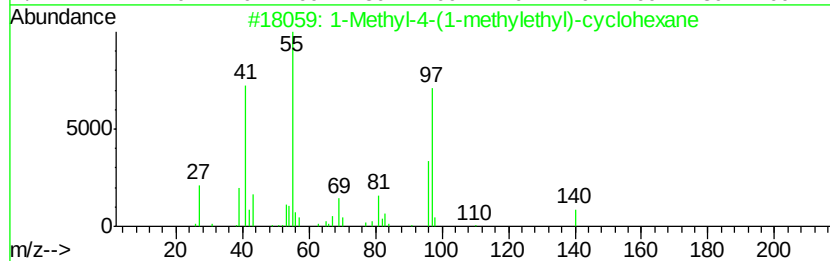
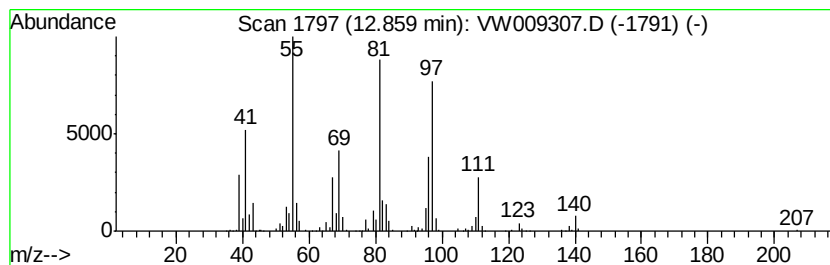
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic12.86 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	16.20 ug/L	592903	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyl-4-(1-methylethyl)-cyclo...	140 C10H20	000099-82-1 46
2		Cyclohexene, 3-methyl-	96 C7H12	000591-48-0 46
3		Cyclohexane, 1-methyl-4-(1-methv...	140 C10H20	006069-98-3 46
4		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 46
5		1-Methyl-4-(1-methylethyl)-cyclo...	140 C10H20	000099-82-1 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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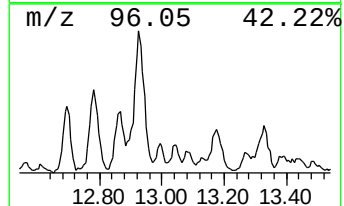
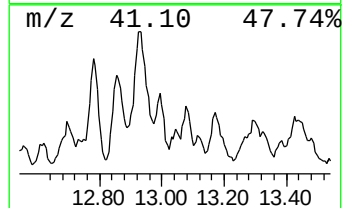
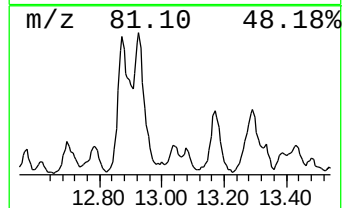
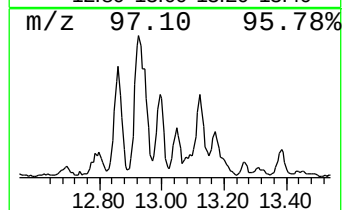
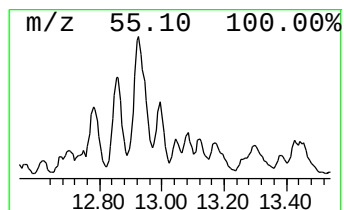
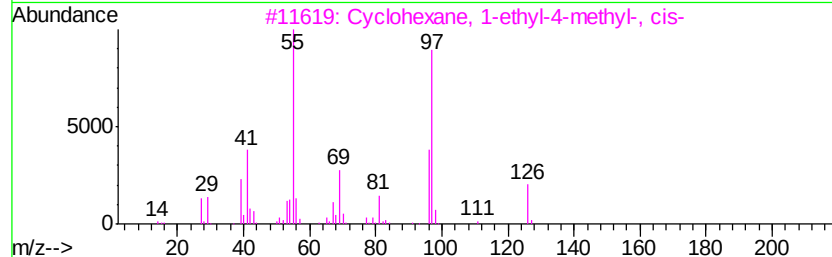
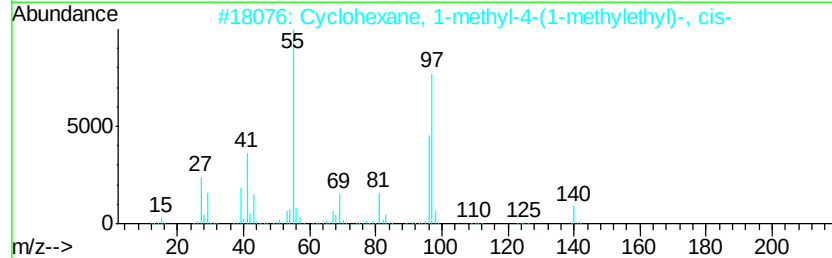
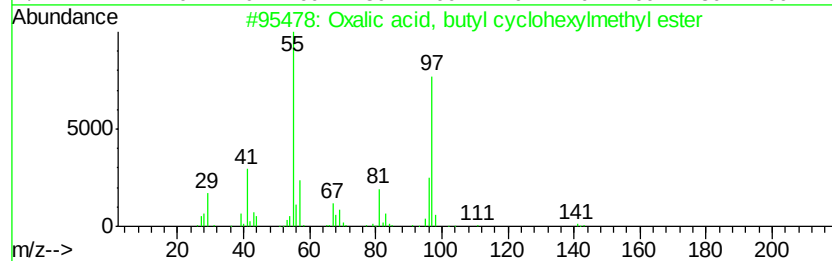
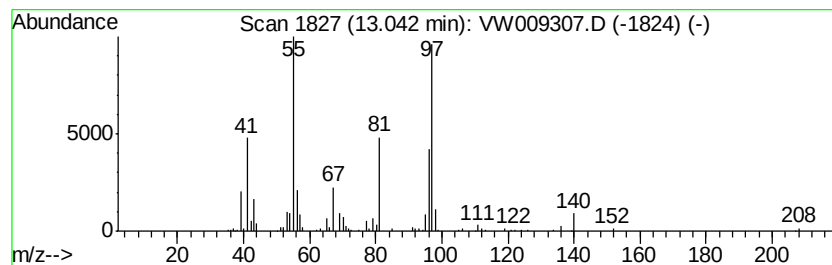
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Quant Title : VOC Analysis

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

Peak Number 20 Oxalic acid, butyl cyclohex... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.94 ug/L	71174	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	72
2			Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	006069-98-3	72
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
4			Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	006069-98-3	64
5			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

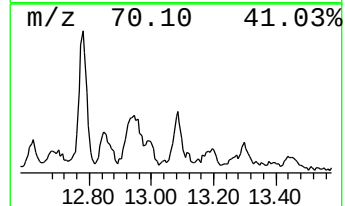
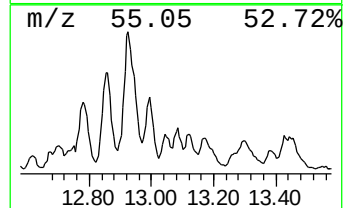
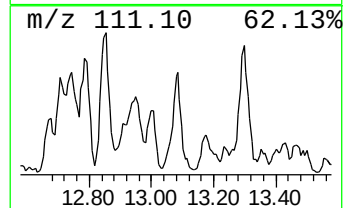
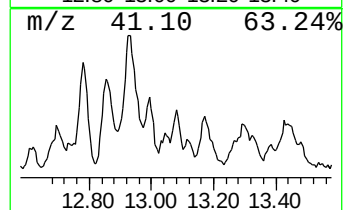
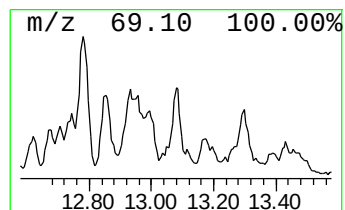
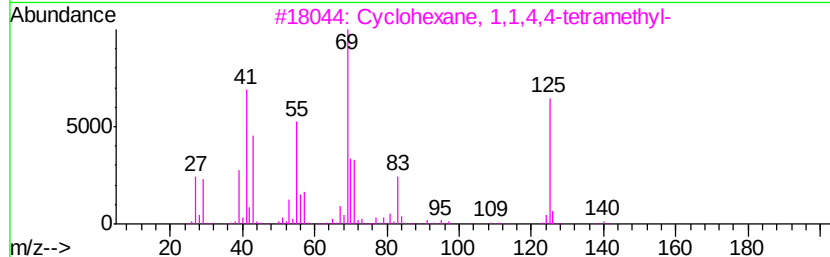
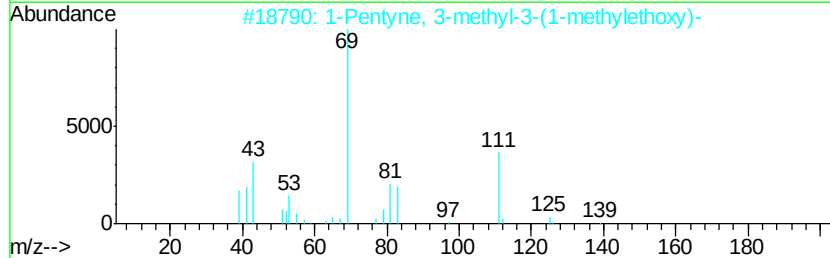
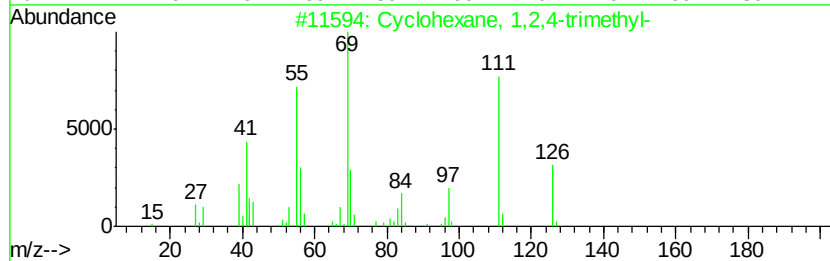
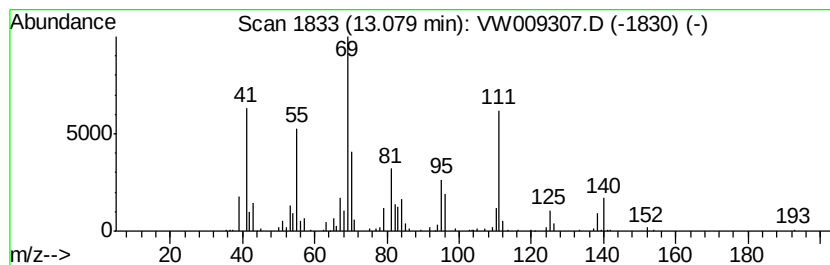
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic13.08 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.08	3.67 ug/L	134351	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
2	1-Pentyne, 3-methyl-3-(1-methyle...	140	C9H16O	053966-55-5	43
3	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
4	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43
5	cis-3-Decene	140	C10H20	019398-86-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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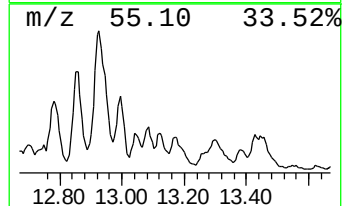
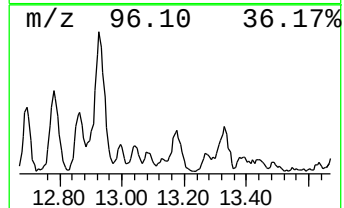
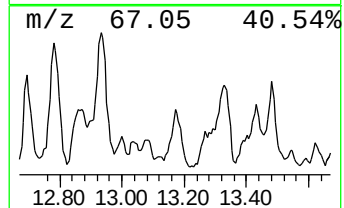
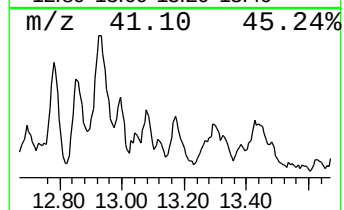
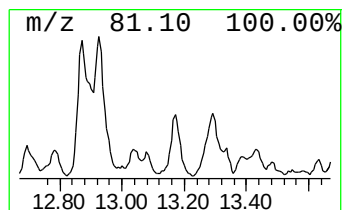
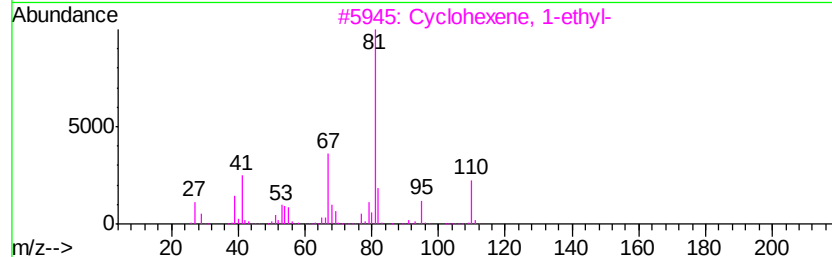
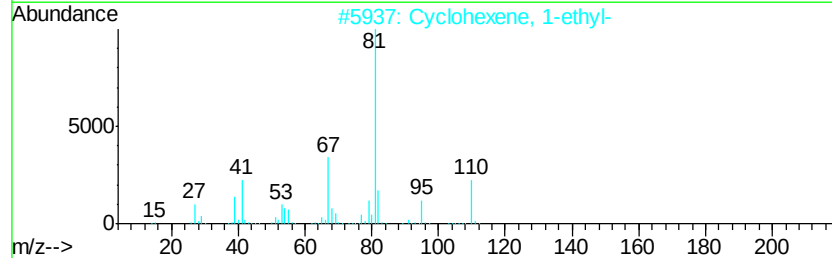
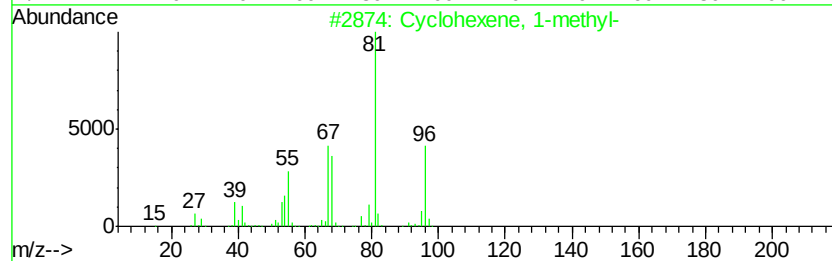
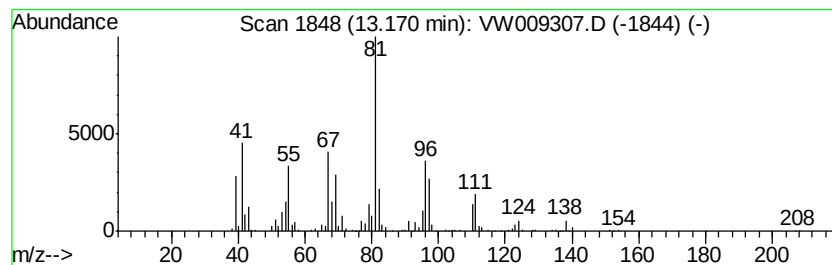
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Quant Title : VOC Analysis

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

Peak Number 22 Cyclohexene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	8.74 ug/L	319724	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	70
2			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	70
3			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	70
4			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	62
5			Cyclohexane, ethylidene-	110	C8H14	001003-64-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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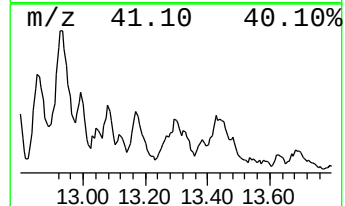
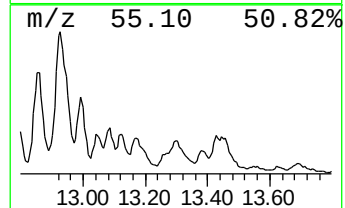
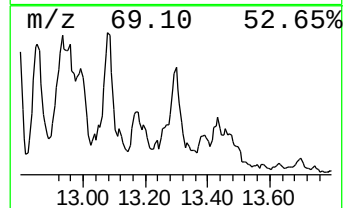
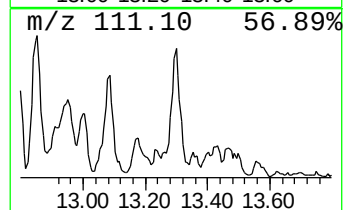
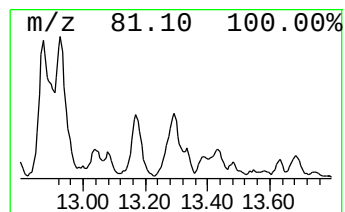
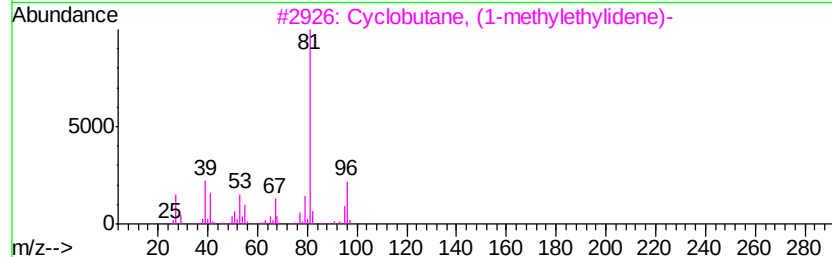
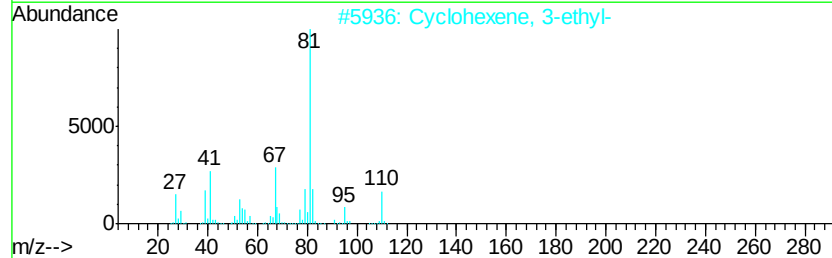
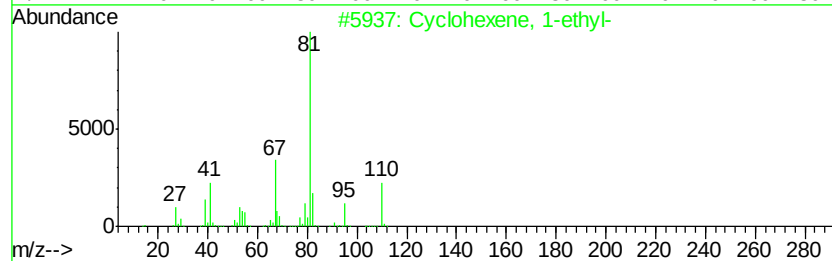
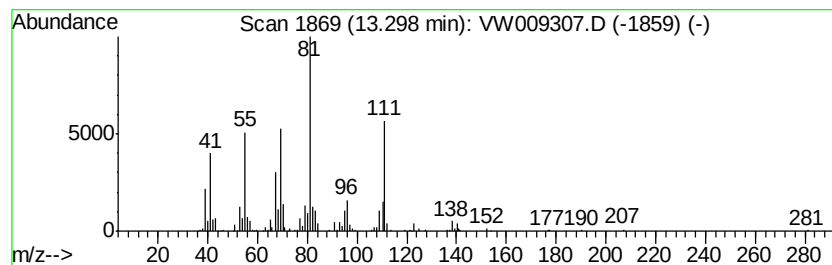
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Quant Title : VOC Analysis

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

Peak Number 23 Cyclohexene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	10.10 ug/L	369656	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	60
2		Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	49
3		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	46
4		2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	38
5		2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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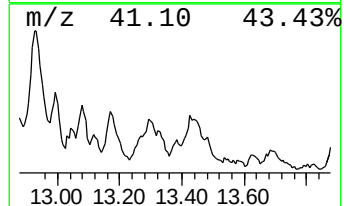
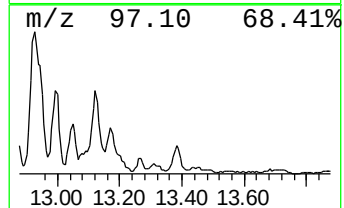
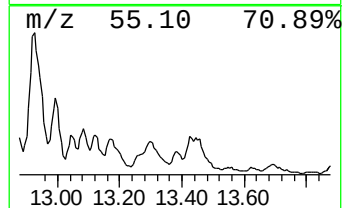
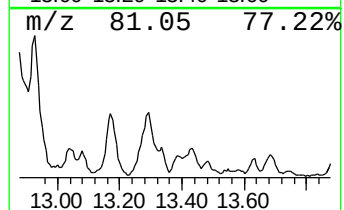
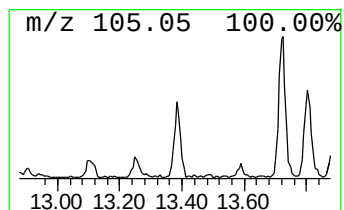
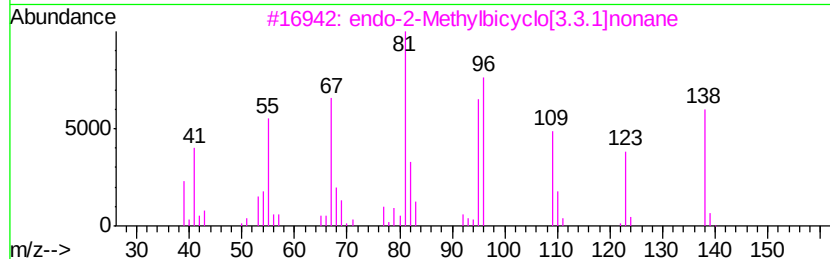
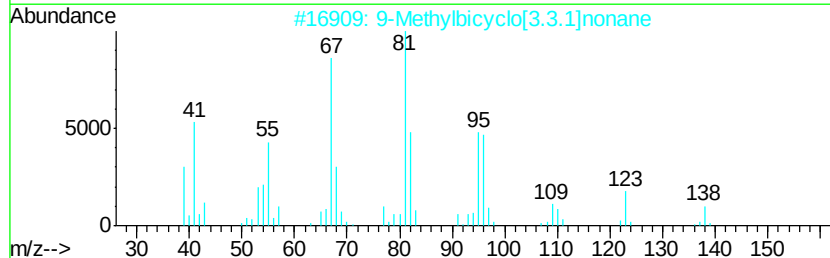
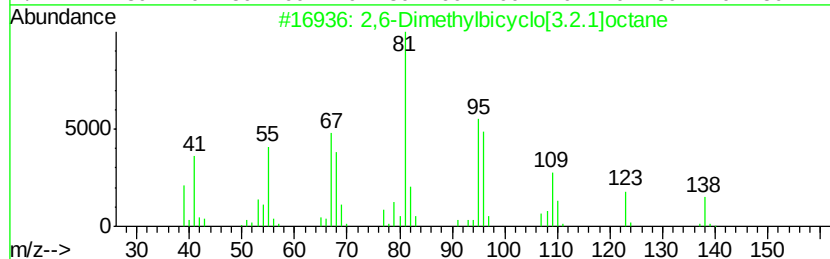
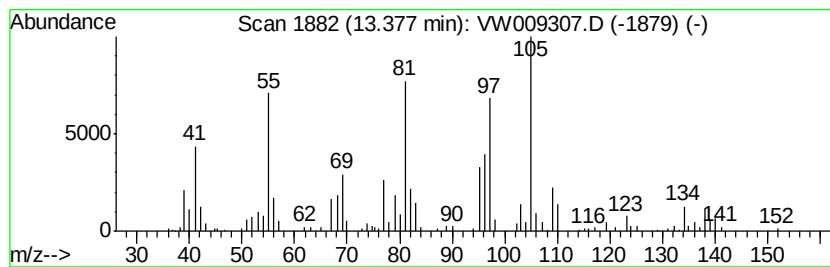
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Quant Title : VOC Analysis

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

Peak Number 24 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.16 ug/L	115611	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	43
2			9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	38
3			endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	35
4			1-(2-Furyl)-3-buten-1-ol	138	C8H10O2	1000311-94-9	35
5			Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

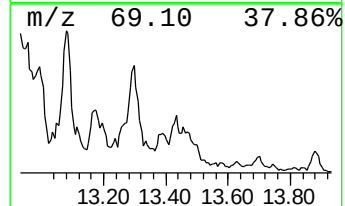
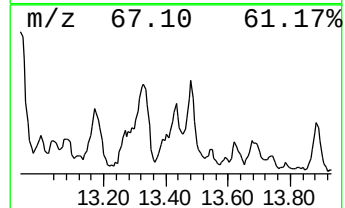
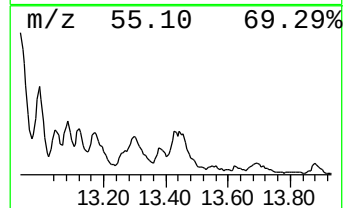
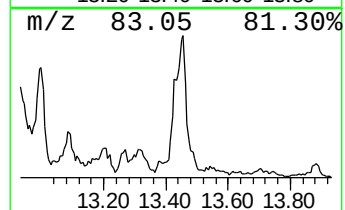
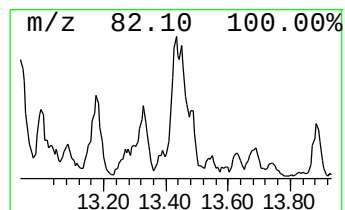
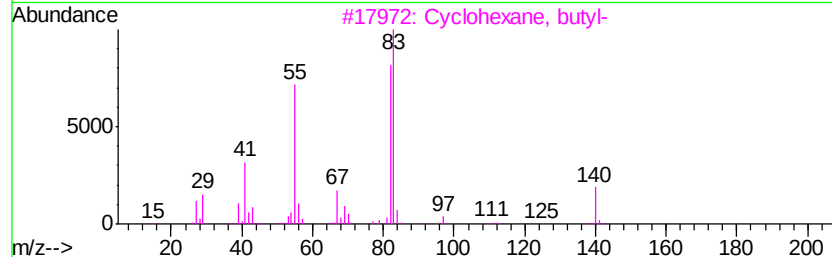
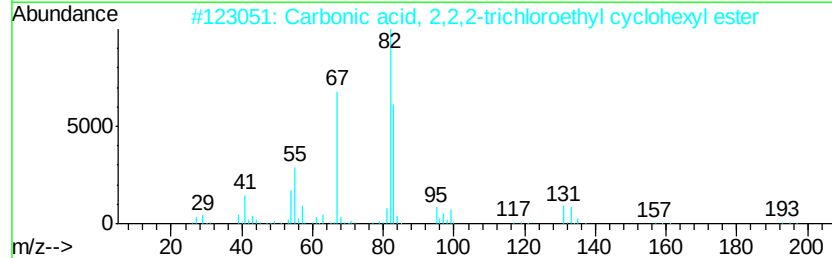
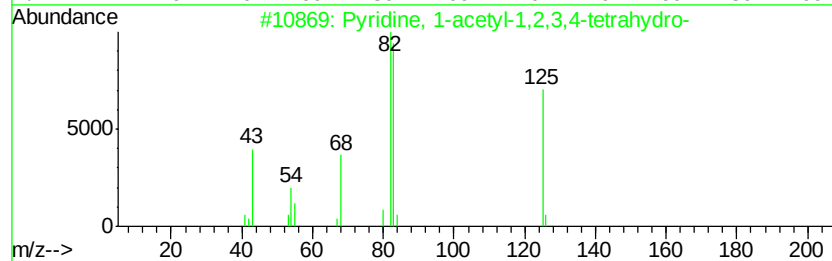
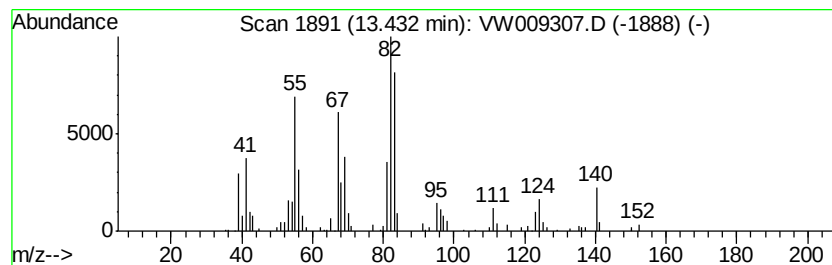
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 25 unknown-04 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.43	3.73 ug/L	136354	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 1-acetyl-1,2,3,4-tetra...	125	C7H11NO	019615-27-1	47
2	Carbonic acid, 2,2,2-trichloroet...	274	C9H13Cl3O3	1000357-89-5	47
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
4	trans-1,4-Hexadiene	82	C6H10	007319-00-8	38
5	3-Hexyne	82	C6H10	000928-49-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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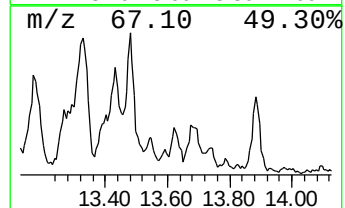
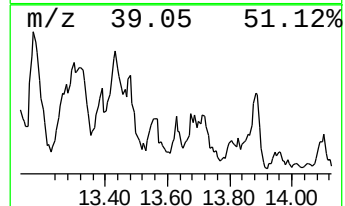
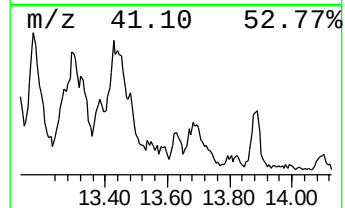
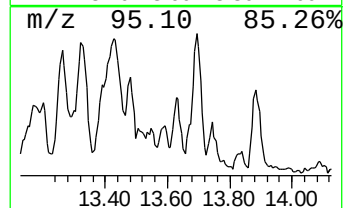
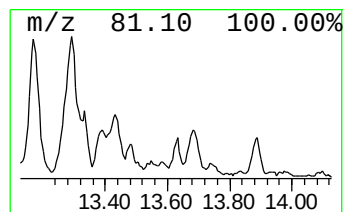
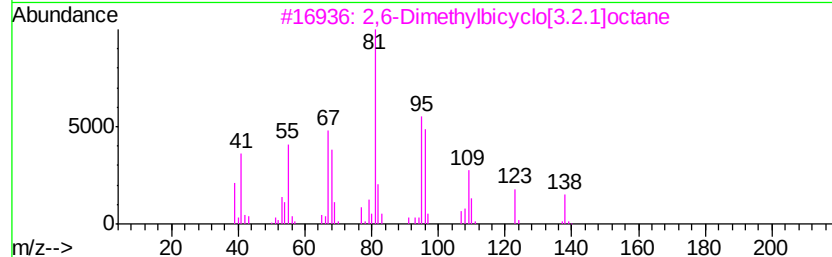
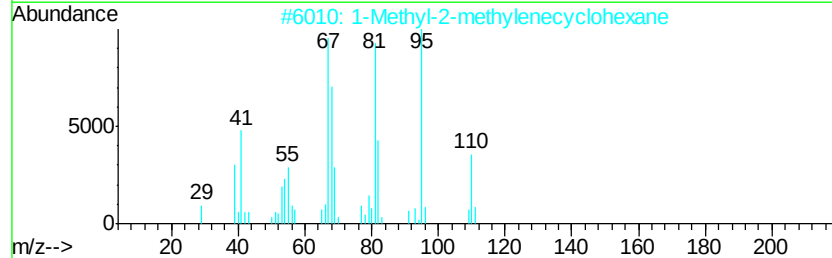
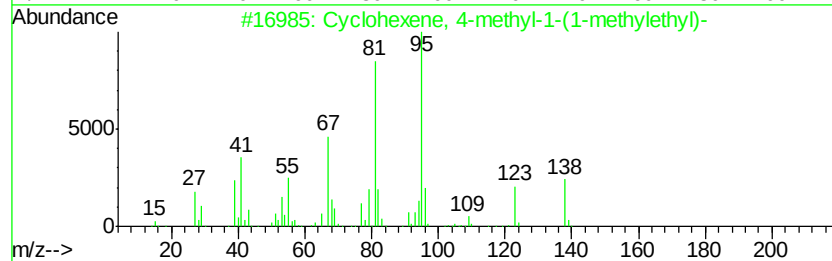
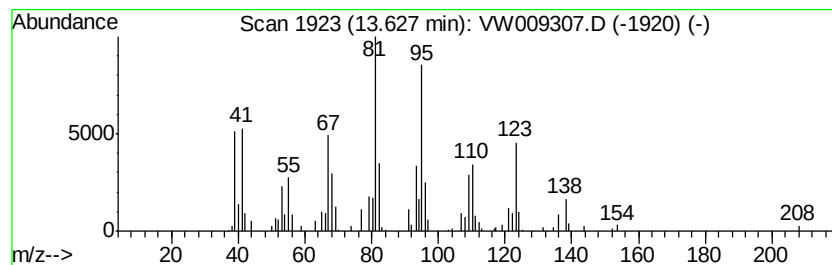
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Quant Title : VOC Analysis

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

Peak Number 26 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	1.39 ug/L	50949	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methyl-1-(1-methyl-1-methylethyl)-	138	C10H18	000500-00-5	68
2		1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	58
3		2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	53
4		3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	49
5		Cyclopentene, 1-isopropyl-2,3-dimethyl-	138	C10H18	007712-73-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B9

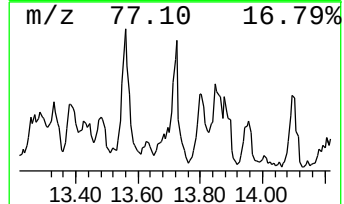
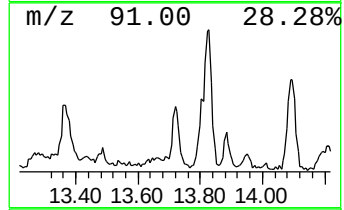
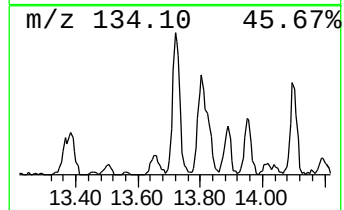
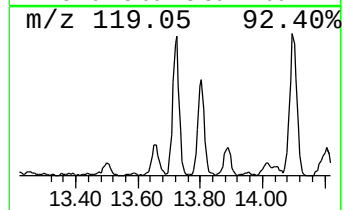
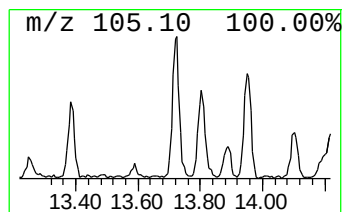
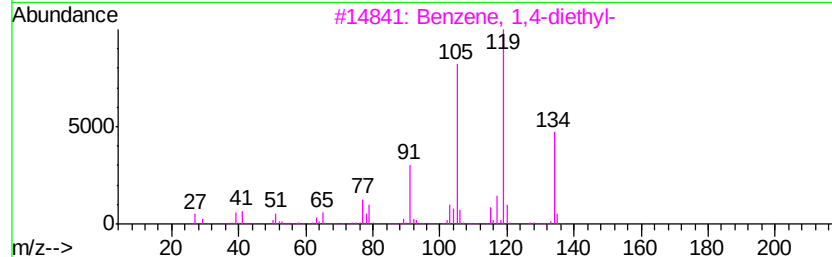
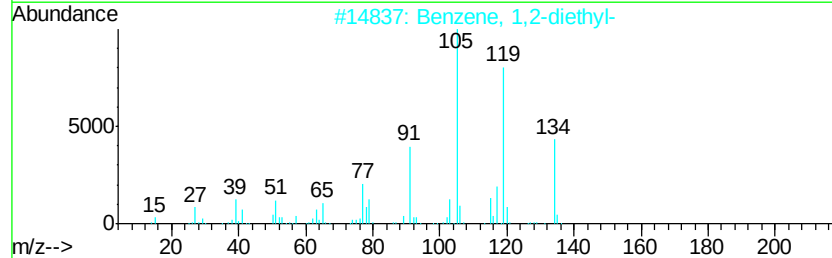
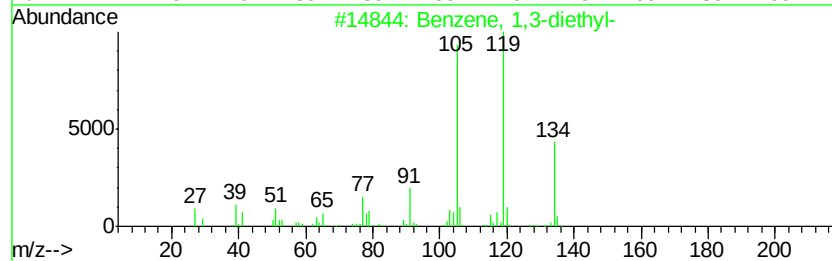
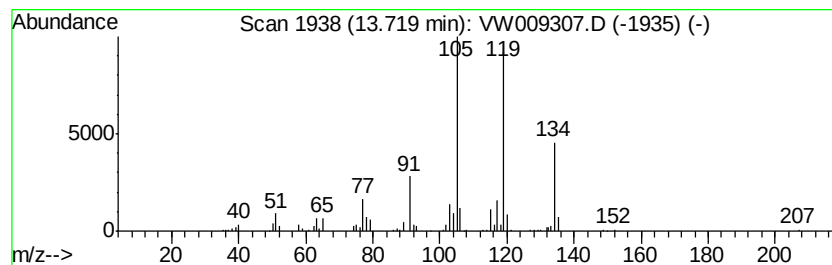
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	5.13 ug/L	187705	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BF0B9

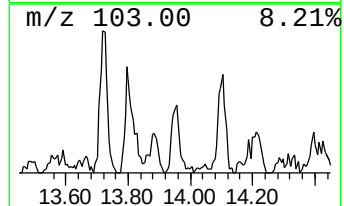
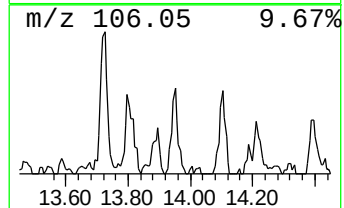
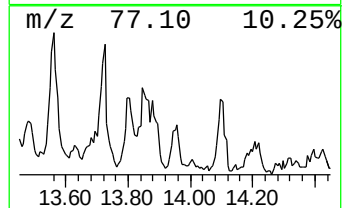
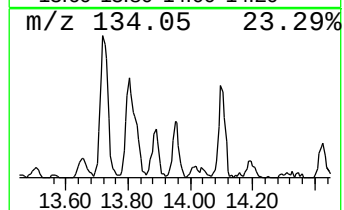
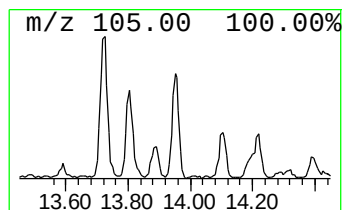
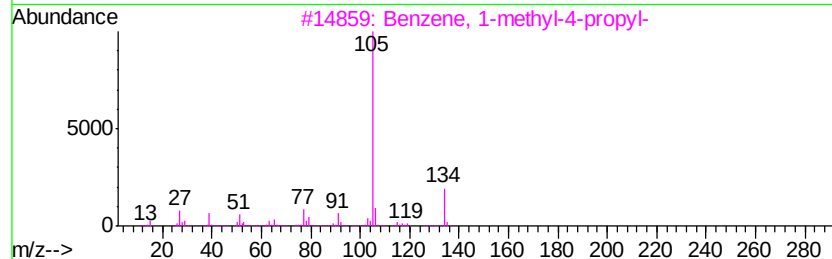
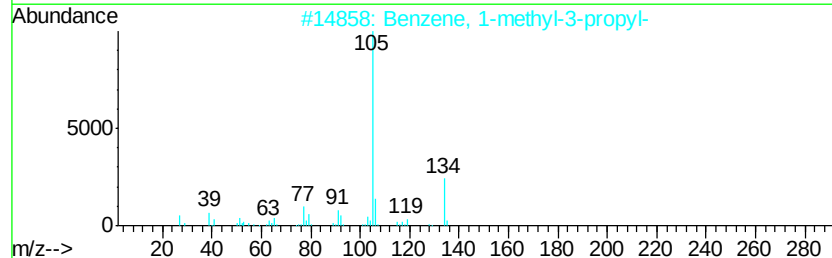
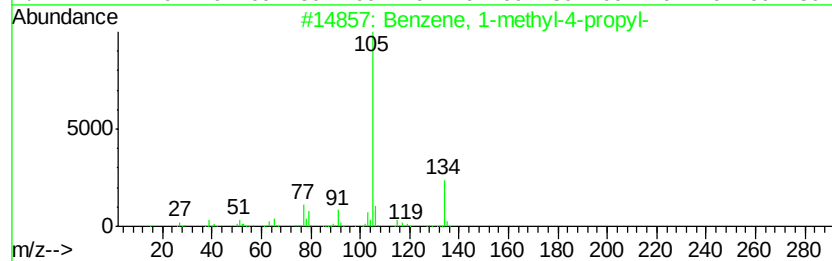
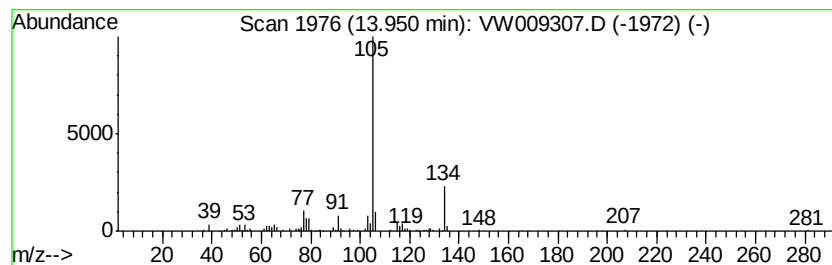
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1-methyl-4-propyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	1.29 ug/L	47226	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	90
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B9

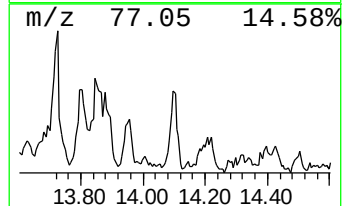
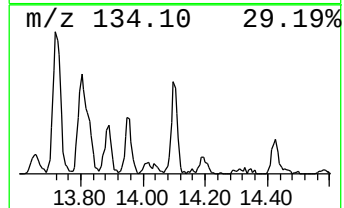
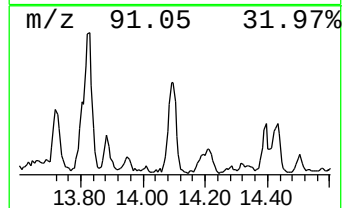
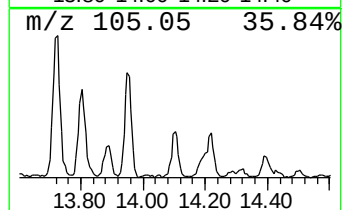
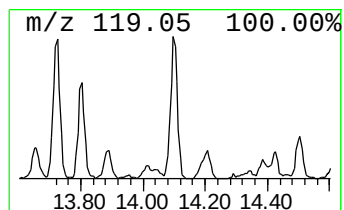
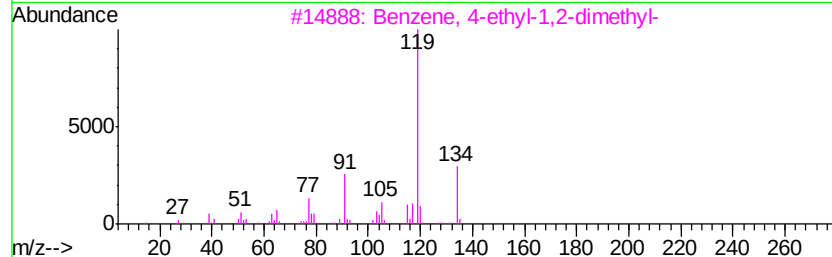
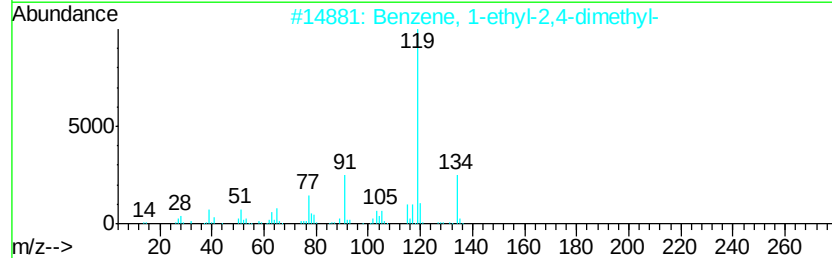
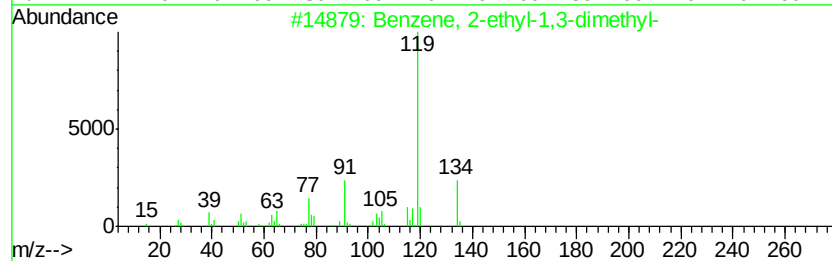
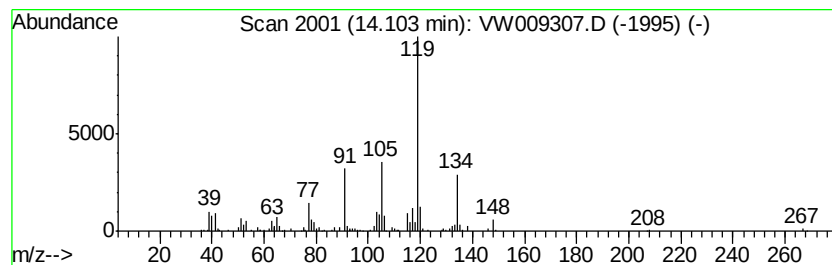
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	3.63 ug/L	132707	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	93
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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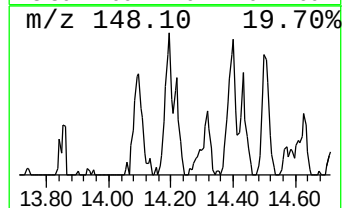
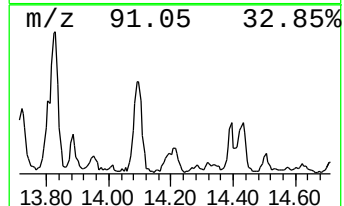
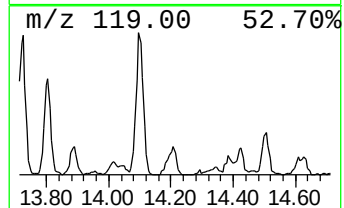
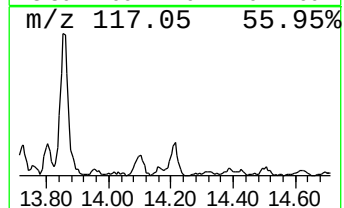
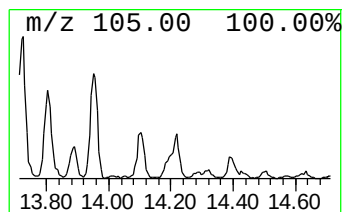
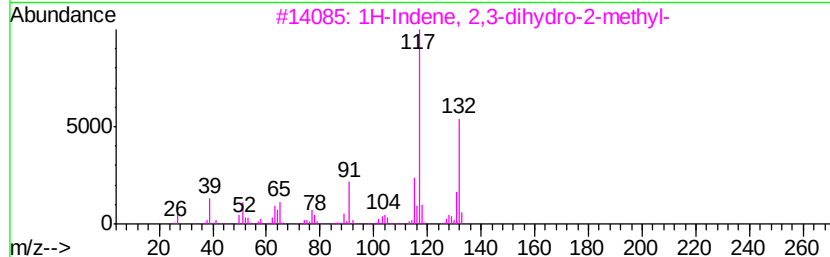
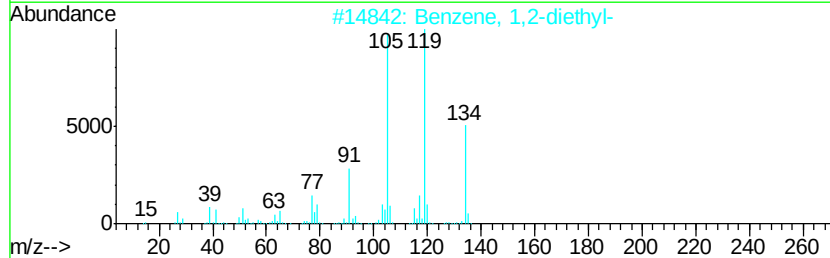
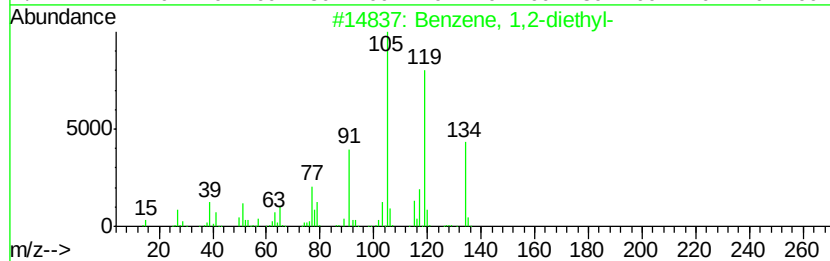
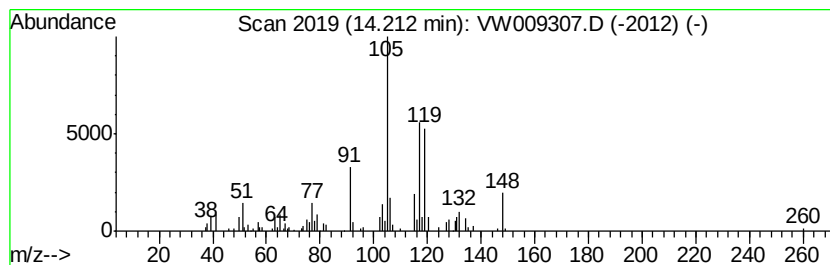
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Quant Title : VOC Analysis

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

Peak Number 30 unknown-05 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	2.13 ug/L	78114	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	46
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	35
3			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	30
4			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	30
5			1-Phenyl-1-butene	132	C10H12	000824-90-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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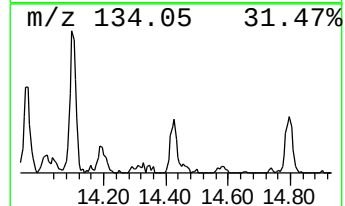
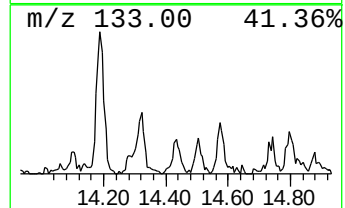
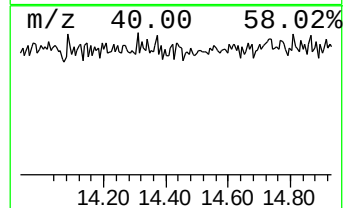
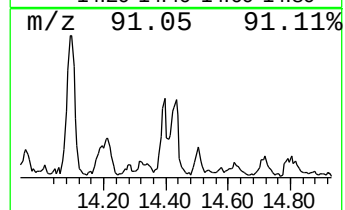
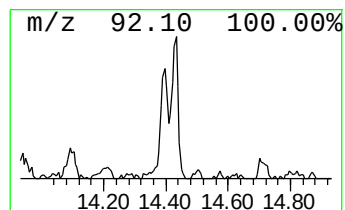
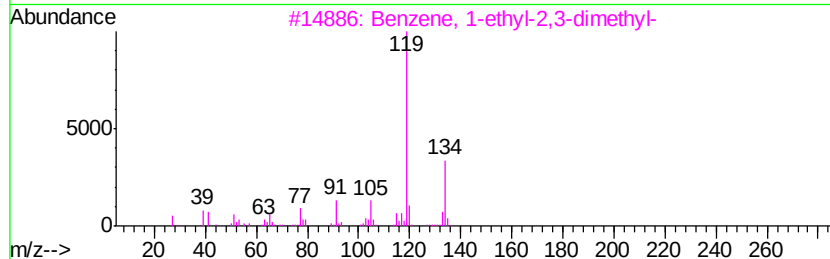
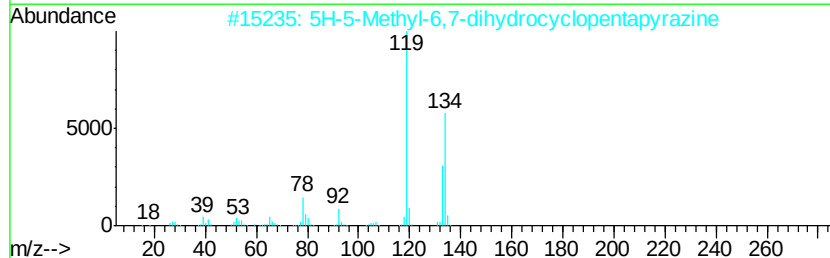
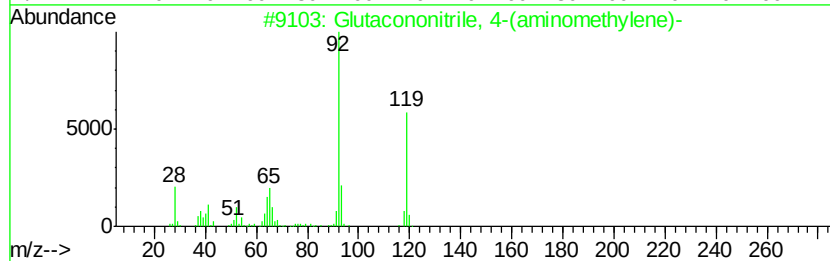
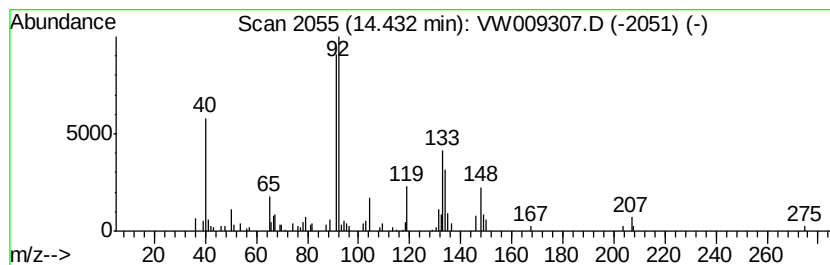
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	1.32 ug/L	48339	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Glutacononitrile, 4-(aminomethyl...	119	C6H5N3	025882-36-4	43
2			5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	43
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	38
5			Cyclobutene, bis(1-methylethylid...	134	C10H14	003642-14-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032019\
Data File : VW009307.D
Acq On : 21 Mar 2019 01:24
Operator : SY/VA
Sample : K1988-08
Misc : 4.95G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

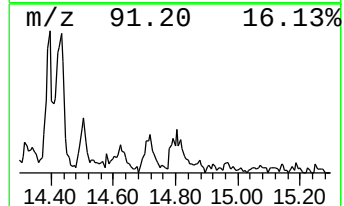
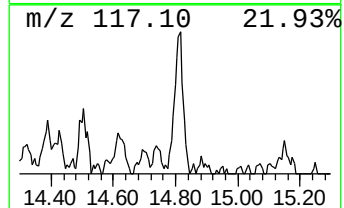
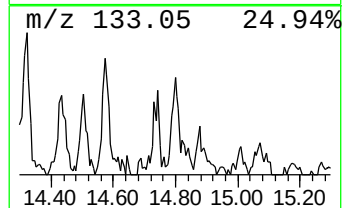
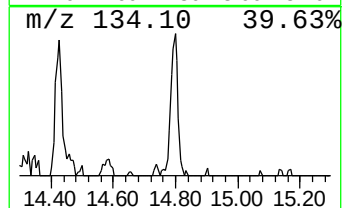
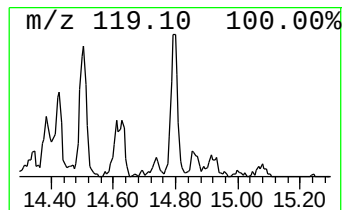
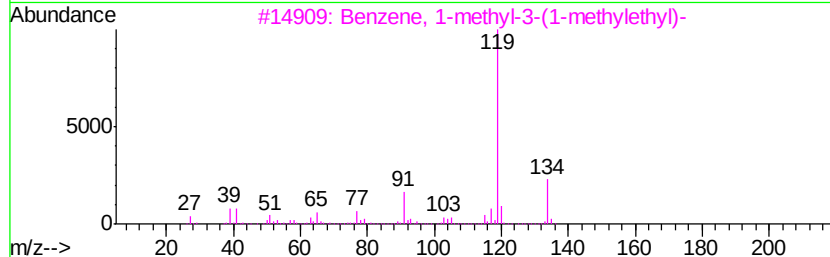
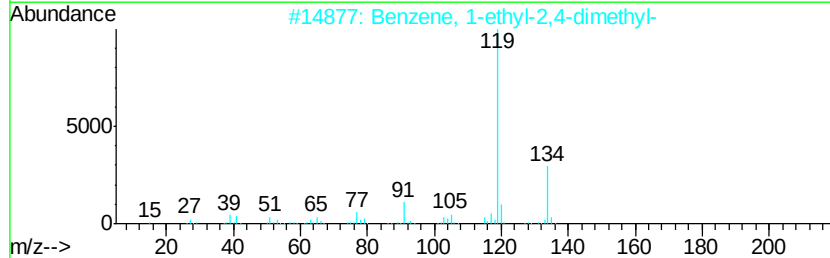
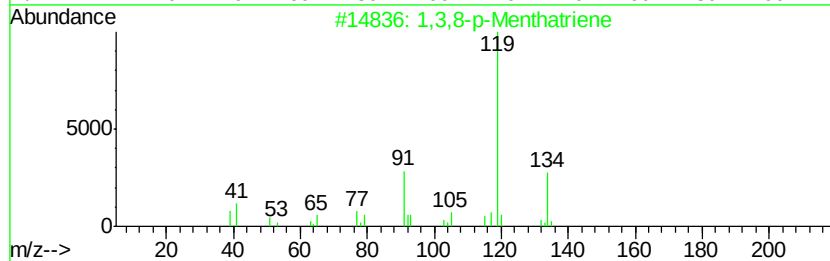
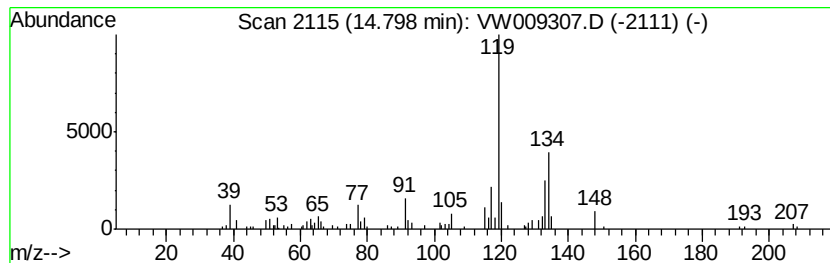
Instrument :
MSVOA_W
ClientSampleId :
BF0B9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 32 1,3,8-p-Menthatriene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	1.25 ug/L	45871	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3,8-p-Menthatriene	134 C10H14	018368-95-1	70
2	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	70
3	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	62
4	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	62
5	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	62



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032019\
 Data File : VW009307.D
 Acq On : 21 Mar 2019 01:24
 Operator : SY/VA
 Sample : K1988-08
 Misc : 4.95G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0B9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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(DEL) Alkane: Cyc...	11.18	1.7	ug/L	71172	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	11.23	1.6	ug/L	68898	2	11.63	1056660	25.0
unknown-02	11.33	1.5	ug/L	61373	2	11.63	1056660	25.0
(DEL) Alkane: Str...	11.43	3.9	ug/L	164158	2	11.63	1056660	25.0
(DEL) Alkane: Str...	11.81	3.0	ug/L	125676	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	11.87	8.1	ug/L	340848	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	11.91	6.5	ug/L	273351	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	11.98	1.5	ug/L	63024	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	12.14	14.4	ug/L	607078	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	12.23	4.4	ug/L	187501	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	12.30	6.3	ug/L	265869	2	11.63	1056660	25.0
1H-Indene, octahy...	12.34	9.3	ug/L	394498	2	11.63	1056660	25.0
1,3-Dimethyl-1-cy...	12.56	2.1	ug/L	88760	2	11.63	1056660	25.0
(DEL) Alkane: Cyc...	12.78	15.0	ug/L	549678	3	13.56	914974	25.0
(DEL) Alkane: Cyc...	12.86	16.2	ug/L	592903	3	13.56	914974	25.0
(DEL) Alkane: Cyc...	12.93	19.7	ug/L	719409	3	13.56	914974	25.0
Oxalic acid, buty...	13.04	1.9	ug/L	71174	3	13.56	914974	25.0
(DEL) Alkane: Cyc...	13.08	3.7	ug/L	134351	3	13.56	914974	25.0
Cyclohexene, 1-me...	13.17	8.7	ug/L	319724	3	13.56	914974	25.0
Cyclohexene, 1-et...	13.30	10.1	ug/L	369656	3	13.56	914974	25.0
unknown-03	13.38	3.2	ug/L	115611	3	13.56	914974	25.0
unknown-04	13.43	3.7	ug/L	136354	3	13.56	914974	25.0
Cyclohexene, 4-me...	13.63	1.4	ug/L	50949	3	13.56	914974	25.0
Benzene, 1,3-diet...	13.72	5.1	ug/L	187705	3	13.56	914974	25.0
Benzene, 1-methyl...	13.95	1.3	ug/L	47226	3	13.56	914974	25.0
Benzene, 2-ethyl-...	14.10	3.6	ug/L	132707	3	13.56	914974	25.0
unknown-05	14.21	2.1	ug/L	78114	3	13.56	914974	25.0
unknown-06	14.43	1.3	ug/L	48339	3	13.56	914974	25.0
1,3,8-p-Menthatriene	14.80	1.3	ug/L	45871	3	13.56	914974	25.0