

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009680.D
 Acq On : 04 Apr 2019 02:43
 Operator : SY/VA
 Sample : K2188-02
 Misc : 4.86G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF649

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\SOM2WLM040319S.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	2.172	37	44	49	rBV6	9020	25699	1.41%	0.102%
2	2.355	65	74	86	rBV	153536	347133	19.04%	1.375%
3	2.495	93	97	106	rVB2	6400	15057	0.83%	0.060%
4	2.892	154	162	178	rVV	107039	292599	16.05%	1.159%
5	3.032	178	185	199	rVB4	15786	51386	2.82%	0.204%
6	3.379	235	242	252	rBV3	27302	71393	3.92%	0.283%
7	3.568	269	273	285	rVB4	12022	28434	1.56%	0.113%
8	3.843	312	318	326	rVB5	8895	21686	1.19%	0.086%
9	4.007	333	345	357	rBV	221899	701853	38.50%	2.780%
10	4.117	359	363	378	rVB	20422	55983	3.07%	0.222%
11	4.373	396	405	419	rVB3	12605	41644	2.28%	0.165%
12	4.909	480	493	505	rBV2	42517	175124	9.61%	0.694%
13	5.928	651	660	671	rBV3	20474	59911	3.29%	0.237%
14	6.226	698	709	715	rVV7	5413	17291	0.95%	0.068%
15	6.976	826	832	839	rVB7	6150	13969	0.77%	0.055%
16	7.074	839	848	859	rBV	53154	153430	8.42%	0.608%
17	7.165	861	863	873	rVB4	6328	14829	0.81%	0.059%
18	7.647	929	942	960	rBV	315998	807393	44.29%	3.198%
19	7.921	979	987	996	rBV5	16860	45779	2.51%	0.181%
20	8.031	998	1005	1014	rVB9	6623	22677	1.24%	0.090%
21	8.153	1018	1025	1033	rBV5	8702	20696	1.14%	0.082%
22	8.275	1033	1045	1062	rBV2	582872	1806964	99.11%	7.156%
23	8.689	1107	1113	1121	rBV3	18742	40878	2.24%	0.162%
24	8.842	1126	1138	1152	rBV	514340	1047865	57.48%	4.150%
25	9.073	1167	1176	1186	rBV3	23589	57581	3.16%	0.228%
26	9.274	1200	1209	1217	rBV	408284	837884	45.96%	3.318%
27	9.957	1316	1321	1325	rBV4	12713	20495	1.12%	0.081%
28	10.030	1326	1333	1339	rVV	141011	249161	13.67%	0.987%
29	10.098	1339	1344	1353	rVB	52903	98757	5.42%	0.391%
30	10.323	1373	1381	1388	rBV	732393	1286477	70.56%	5.095%
31	10.384	1388	1391	1398	rVB	15768	29764	1.63%	0.118%
32	10.500	1402	1410	1416	rBV3	28571	58067	3.18%	0.230%
33	10.573	1416	1422	1428	rBV	89106	158053	8.67%	0.626%
34	10.774	1448	1455	1457	rBV7	6603	15730	0.86%	0.062%

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 Title : VOC Analysis

35	10.847	1463	1467	1473	rVB5	12259	22744	1.25%	0.090%
36	10.927	1473	1480	1490	rBV	218123	381098	20.90%	1.509%
37	11.036	1492	1498	1501	rVV4	17326	29884	1.64%	0.118%
38	11.067	1501	1503	1506	rVV4	12195	16487	0.90%	0.065%
39	11.110	1506	1510	1513	rVV4	11335	17766	0.97%	0.070%
40	11.177	1517	1521	1525	rVV3	16882	27746	1.52%	0.110%
41	11.231	1525	1530	1534	rVB3	28793	46552	2.55%	0.184%
42	11.341	1544	1548	1551	rBV2	14538	22048	1.21%	0.087%
43	11.408	1551	1559	1572	rVB3	36197	107382	5.89%	0.425%
44	11.512	1572	1576	1581	rBV2	31026	51646	2.83%	0.205%
45	11.628	1589	1595	1606	rBV	584331	1016994	55.78%	4.028%
46	11.731	1607	1612	1615	rBV3	24521	39087	2.14%	0.155%
47	11.841	1621	1630	1633	rBV5	46816	94251	5.17%	0.373%
48	11.872	1633	1635	1640	rVB5	20643	32443	1.78%	0.128%
49	12.042	1658	1663	1670	rVB4	14151	36630	2.01%	0.145%
50	12.140	1670	1679	1680	rBV4	52596	99994	5.48%	0.396%
51	12.250	1694	1697	1702	rVB	38877	58105	3.19%	0.230%
52	12.347	1702	1713	1714	rBV7	64110	160675	8.81%	0.636%
53	12.548	1742	1746	1747	rBV2	15031	22117	1.21%	0.088%
54	12.567	1747	1749	1753	rVB2	64741	73225	4.02%	0.290%
55	12.615	1753	1757	1760	rBV4	35653	54129	2.97%	0.214%
56	12.652	1760	1763	1765	rBV2	33041	39525	2.17%	0.157%
57	12.695	1765	1770	1779	rVB	238794	451423	24.76%	1.788%
58	12.780	1780	1784	1791	rVB4	124871	236104	12.95%	0.935%
59	12.865	1791	1798	1802	rBV6	63590	166149	9.11%	0.658%
60	12.932	1804	1809	1816	rVV2	321787	609767	33.45%	2.415%
61	12.993	1816	1819	1824	rVB3	54637	79680	4.37%	0.316%
62	13.079	1829	1833	1837	rBV3	79922	128533	7.05%	0.509%
63	13.127	1837	1841	1844	rBV3	43900	67897	3.72%	0.269%
64	13.170	1844	1848	1855	rVB3	172846	281439	15.44%	1.115%
65	13.292	1865	1868	1872	rVB3	66127	91213	5.00%	0.361%
66	13.347	1874	1877	1879	rVV3	36715	47308	2.59%	0.187%
67	13.384	1879	1883	1886	rVV4	48715	81498	4.47%	0.323%
68	13.451	1887	1894	1897	rVV4	180095	372738	20.44%	1.476%
69	13.493	1897	1901	1908	rVV3	244660	586409	32.16%	2.322%
70	13.560	1908	1912	1920	rVV3	464985	1008418	55.31%	3.994%
71	13.627	1920	1923	1929	rVB2	131562	176429	9.68%	0.699%

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72	13.694	1930	1934	1940	rBV7	49812	94104	5.16%	0.373%
73	13.798	1947	1951	1954	rBV3	34001	56887	3.12%	0.225%
74	13.877	1955	1964	1969	rBV3	915622	1823158	100.00%	7.221%
75	13.926	1969	1972	1974	rVV2	26120	32520	1.78%	0.129%
76	13.987	1979	1982	1983	rBV3	33109	40528	2.22%	0.161%
77	14.018	1984	1987	1990	rBV3	66023	112211	6.15%	0.444%
78	14.097	1996	2000	2004	rVB2	159214	229029	12.56%	0.907%
79	14.207	2012	2018	2022	rBV4	262951	462796	25.38%	1.833%
80	14.261	2022	2027	2034	rVV6	193877	422402	23.17%	1.673%
81	14.347	2034	2041	2044	rVV5	159107	333682	18.30%	1.322%
82	14.396	2044	2049	2051	rVV3	263487	485767	26.64%	1.924%
83	14.426	2051	2054	2057	rVV4	292966	500205	27.44%	1.981%
84	14.463	2057	2060	2063	rVB	189935	254160	13.94%	1.007%
85	14.505	2063	2067	2070	rBV	181909	250365	13.73%	0.992%
86	14.548	2070	2074	2081	rVB4	119183	267101	14.65%	1.058%
87	14.731	2095	2104	2109	rBV3	320725	556236	30.51%	2.203%
88	14.798	2109	2115	2120	rBV3	271998	587362	32.22%	2.326%
89	14.847	2120	2123	2130	rVB2	147683	304050	16.68%	1.204%
90	14.963	2139	2142	2147	rBV6	38883	73297	4.02%	0.290%
91	15.072	2155	2160	2163	rBV3	120072	213027	11.68%	0.844%
92	15.176	2173	2177	2185	rVB7	93968	188649	10.35%	0.747%
93	15.255	2186	2190	2197	rVB7	100173	213190	11.69%	0.844%
94	15.334	2197	2203	2207	rBV	286960	515068	28.25%	2.040%
95	15.560	2237	2240	2249	rVB3	149775	316864	17.38%	1.255%
96	15.670	2250	2258	2264	rBV8	83314	246122	13.50%	0.975%
97	15.743	2265	2270	2277	rBV4	141025	291731	16.00%	1.155%
98	16.170	2334	2340	2345	rBV8	85836	190356	10.44%	0.754%
99	16.298	2357	2361	2369	rVB	128491	222391	12.20%	0.881%
100	16.639	2412	2417	2431	rVB	127048	438889	24.07%	1.738%

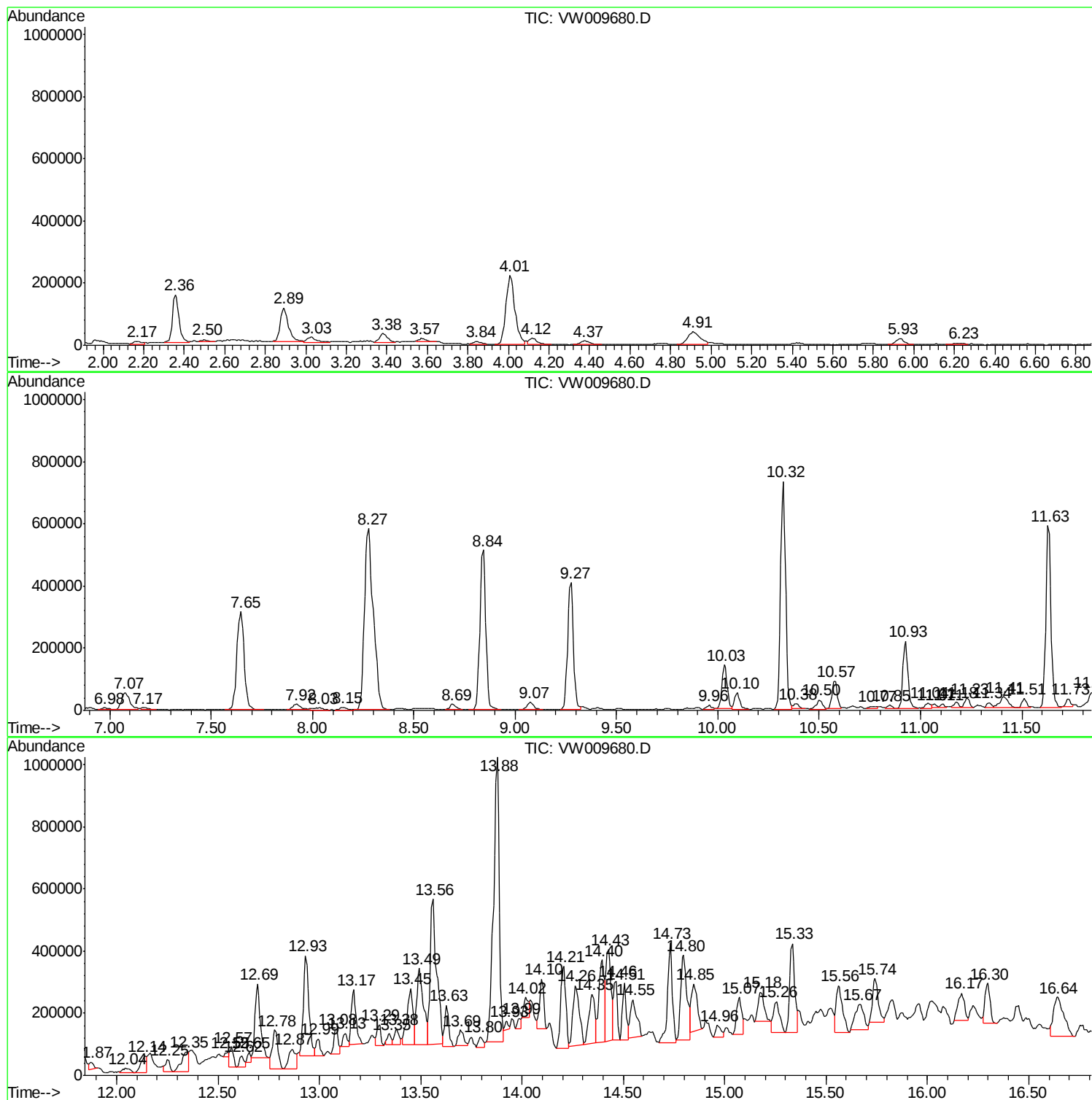
Sum of corrected areas: 25249322

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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



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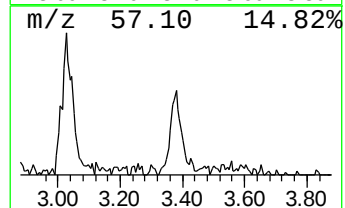
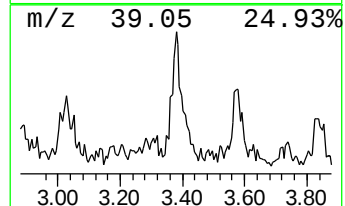
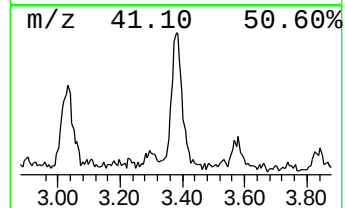
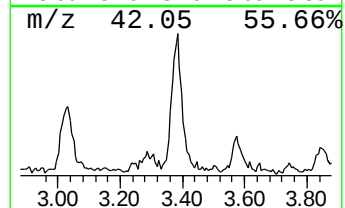
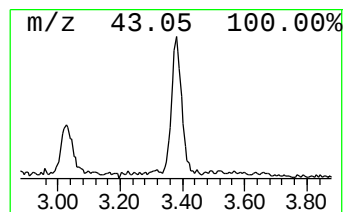
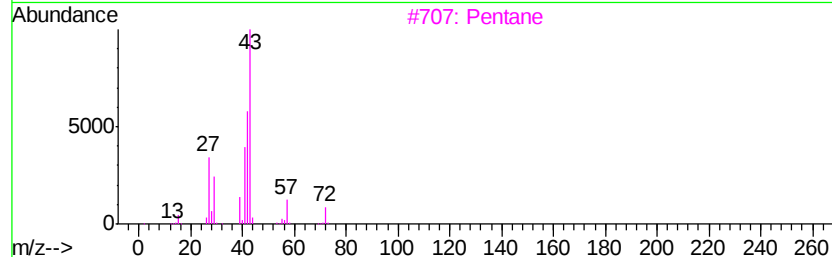
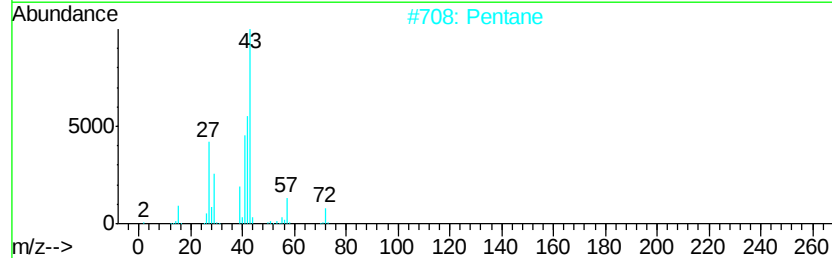
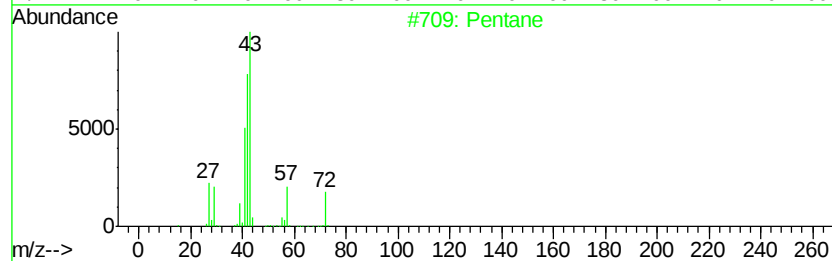
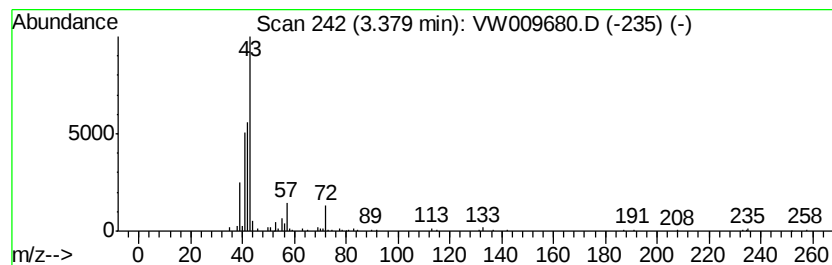
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	1.70 ug/L	71393	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	80
2		Pentane	72	C5H12	000109-66-0	80
3		Pentane	72	C5H12	000109-66-0	80
4		Pentane	72	C5H12	000109-66-0	58
5		Oxirane, ethyl-	72	C4H8O	000106-88-7	47



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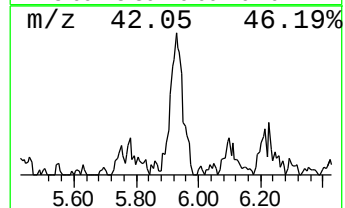
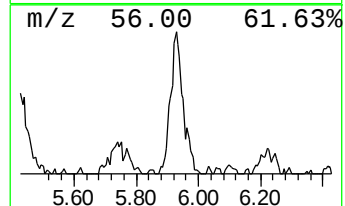
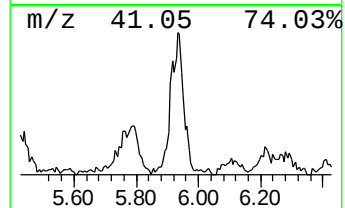
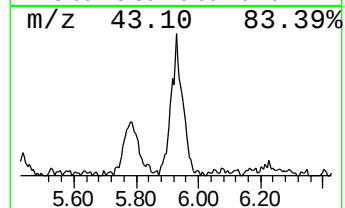
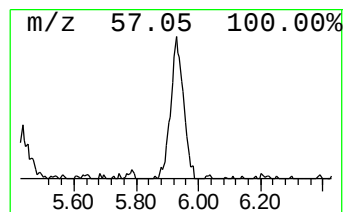
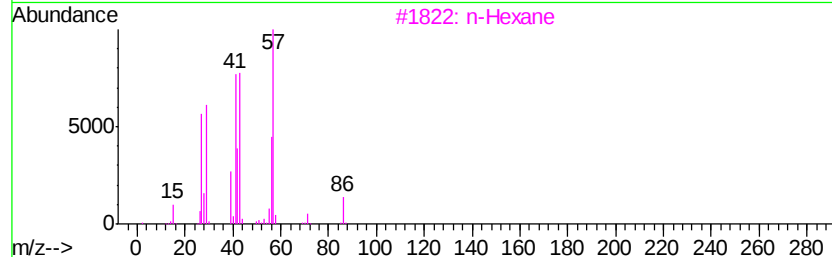
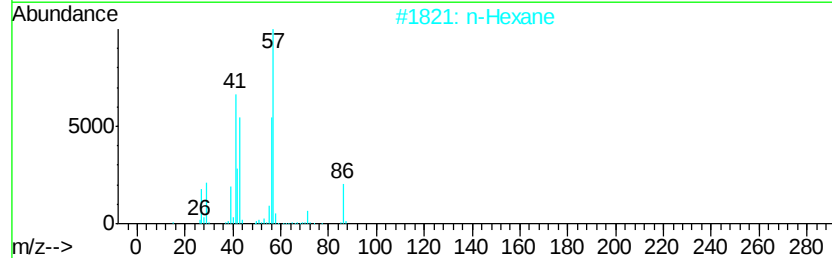
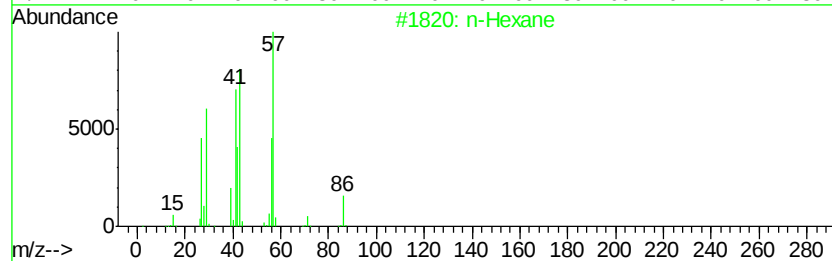
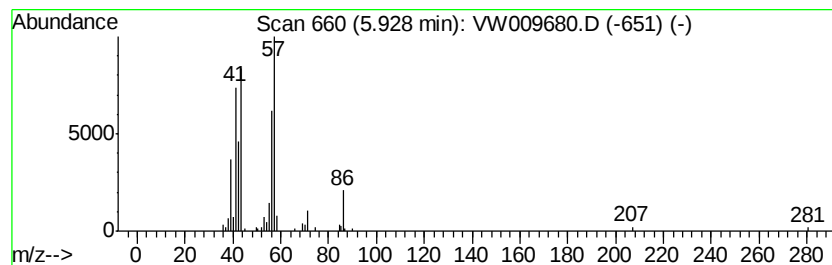
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	1.43 ug/L	59911	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	91
2		n-Hexane	86	C6H14	000110-54-3	64
3		n-Hexane	86	C6H14	000110-54-3	59
4		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	38
5		1-Hexene	84	C6H12	000592-41-6	38



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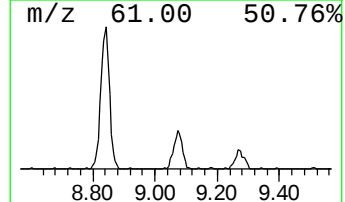
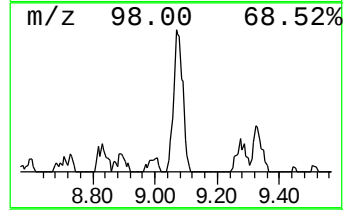
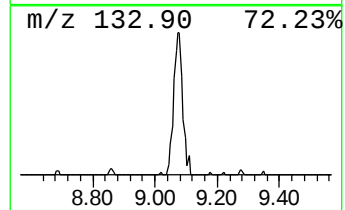
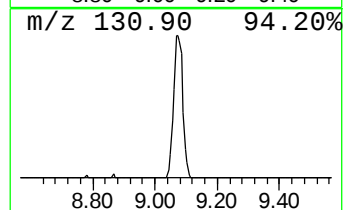
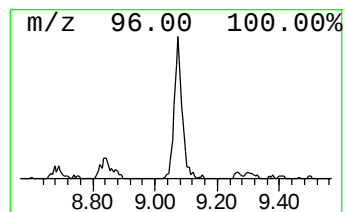
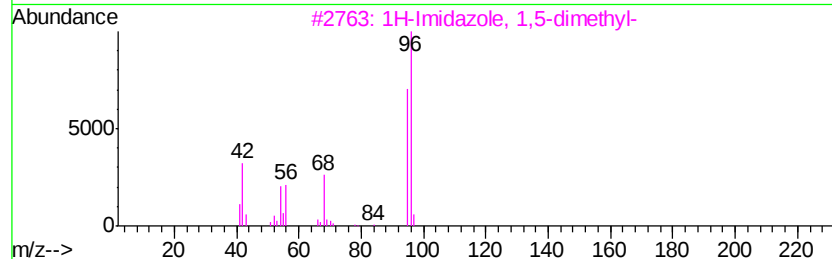
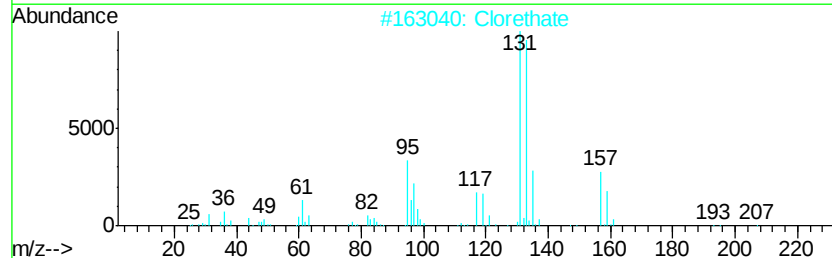
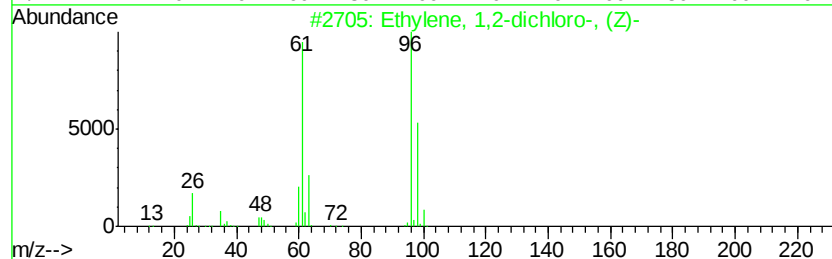
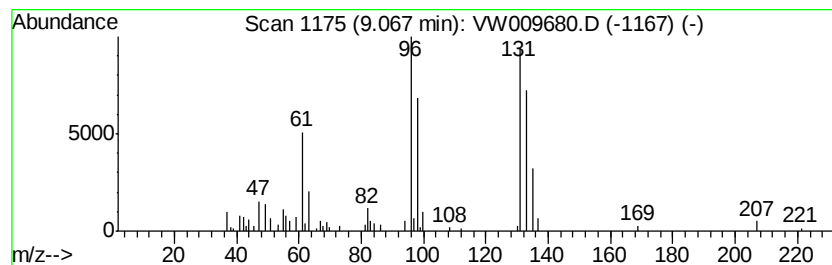
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown-01 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	1.37 ug/L	57581	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	25
2			Clorethate	322	C5H4Cl6O3	005634-37-7	17
3			1H-Imidazole, 1,5-dimethyl-	96	C5H8N2	010447-93-5	10
4			5-Hydroxypyrimidine	96	C4H4N2O	026456-59-7	10
5			Furfural	96	C5H4O2	000098-01-1	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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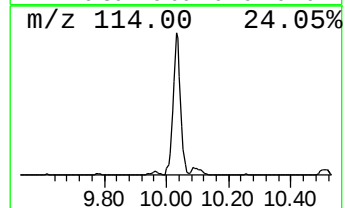
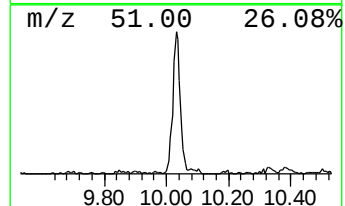
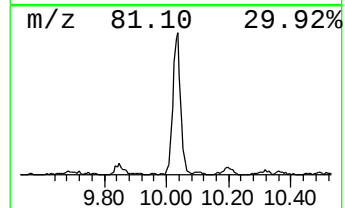
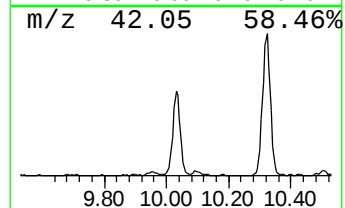
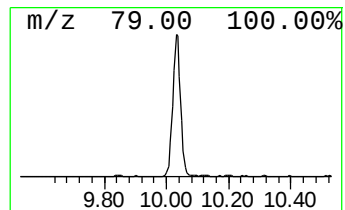
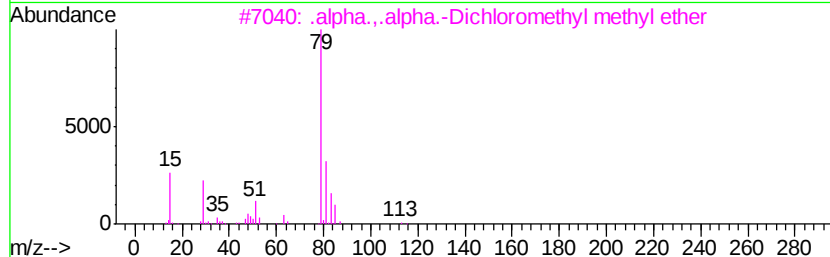
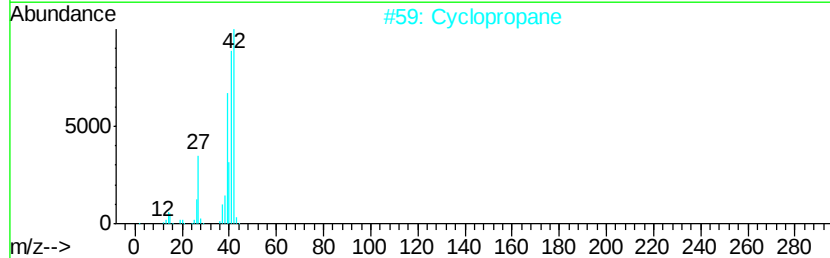
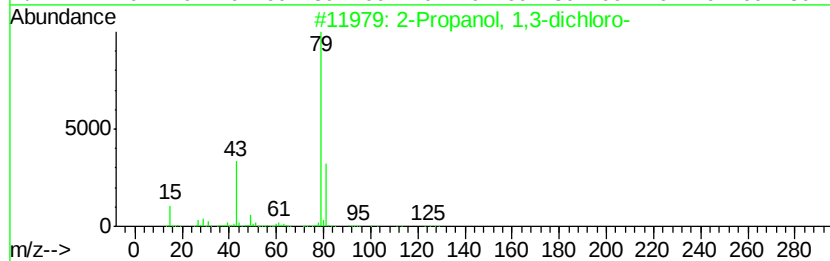
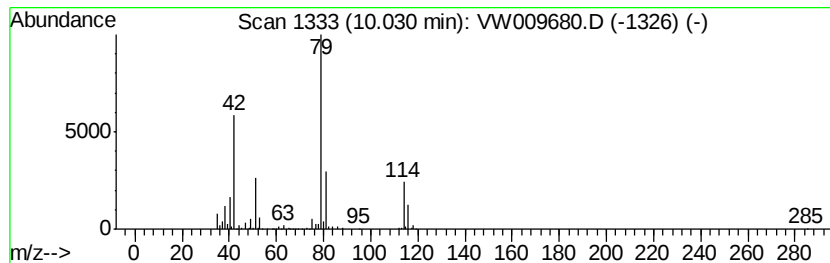
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Quant Title : VOC Analysis

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

Peak Number 4 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	5.94 ug/L	249161	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,3-dichloro-			128	C3H6Cl2O	000096-23-1	17
2	Cyclopropane			42	C3H6	000075-19-4	9
3	.alpha.,.alpha.-Dichloromethyl m...			114	C2H4Cl2O	004885-02-3	9
4	2-Propanol, 1,3-dichloro-			128	C3H6Cl2O	000096-23-1	9
5	2-Oxetanone, 4-methylene-			84	C4H4O2	000674-82-8	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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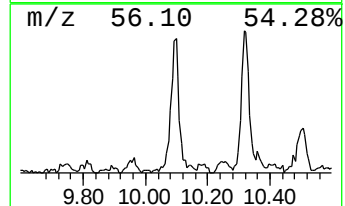
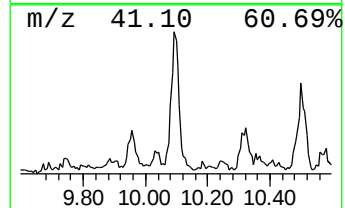
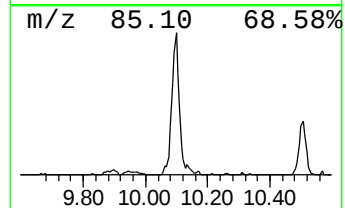
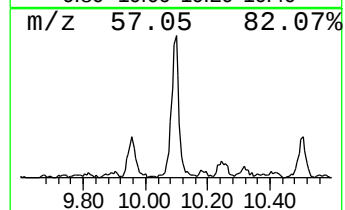
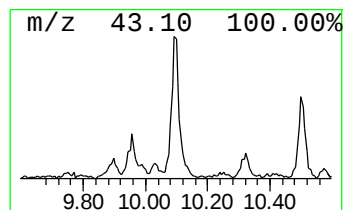
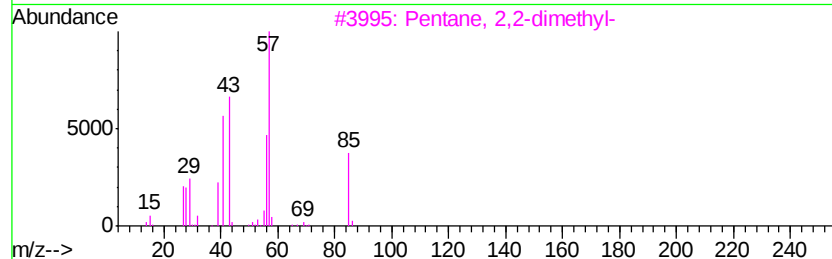
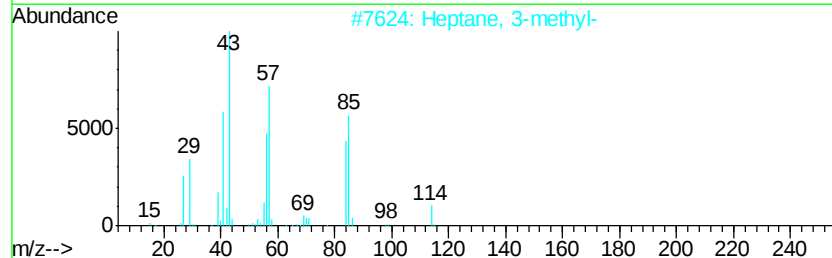
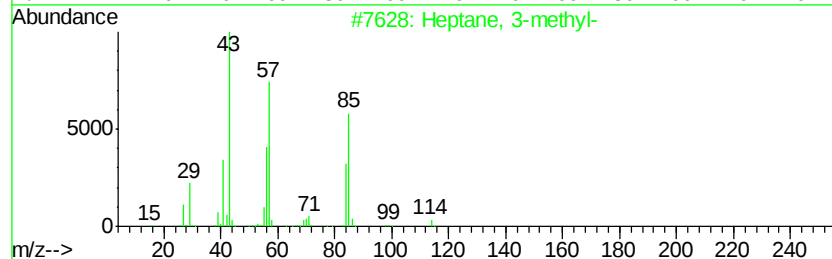
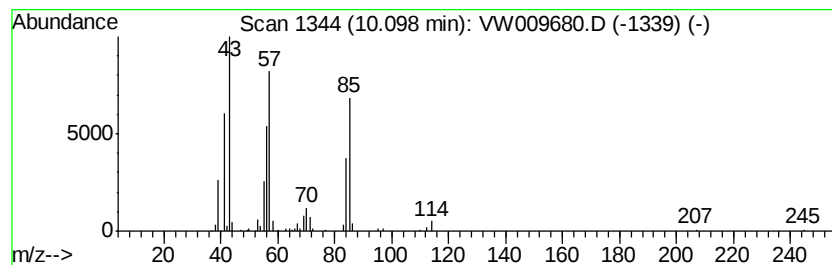
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	2.36 ug/L	98757	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	78
3		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
4		Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	50
5		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

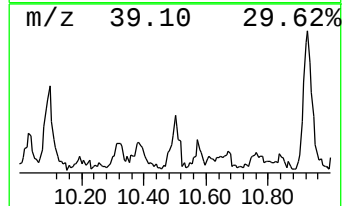
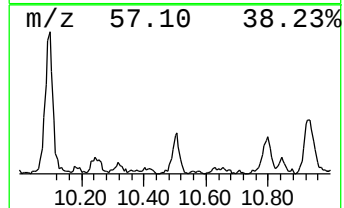
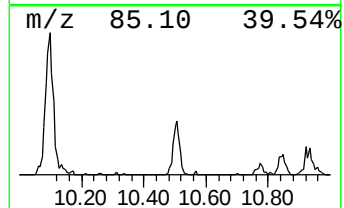
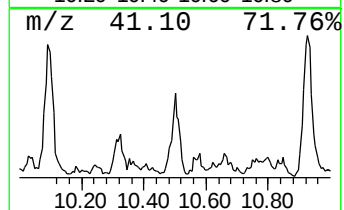
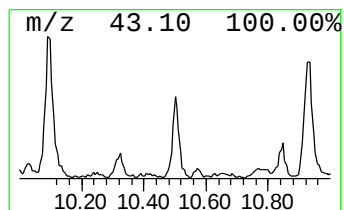
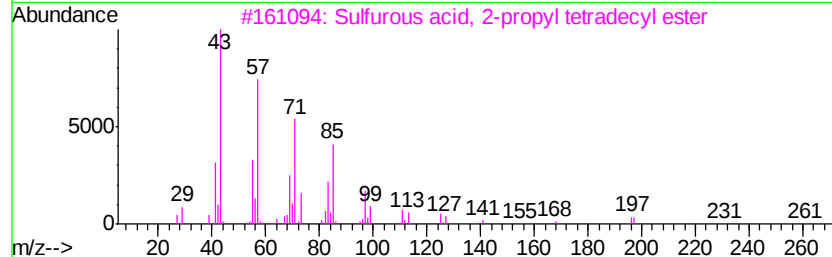
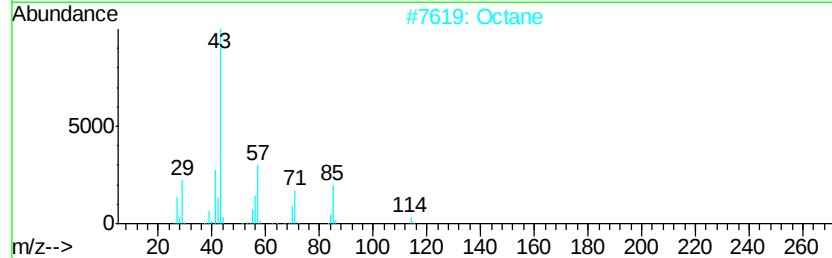
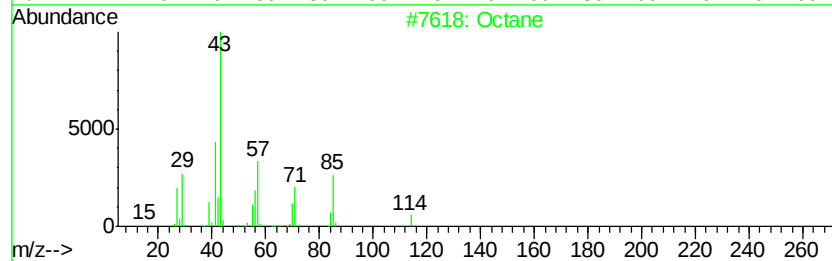
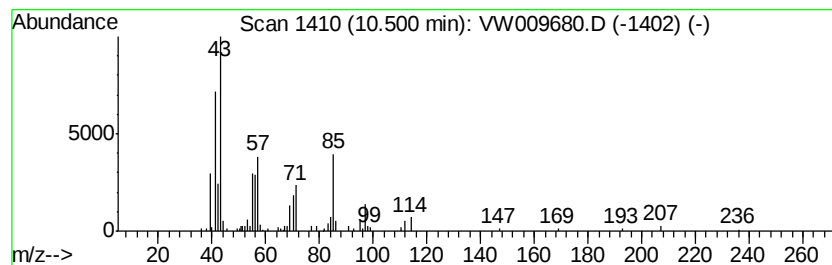
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.50	1.43 ug/L	58067	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	72
2	Octane	114	C8H18	000111-65-9	58
3	Sulfurous acid, 2-propyl tetradecyl...	320	C17H36O3S	1000309-12-5	53
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	50
5	Hexane, 1,1'-[ethylidenebis(oxy)]...	230	C14H30O2	005405-58-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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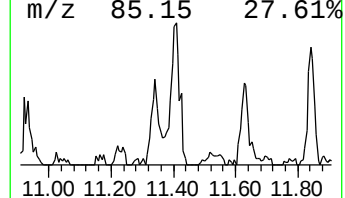
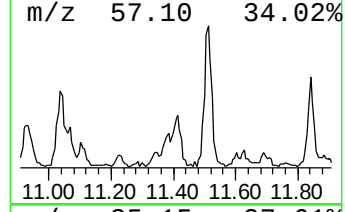
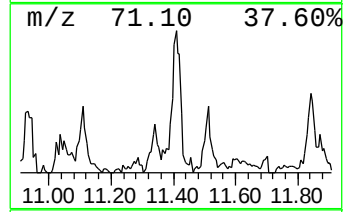
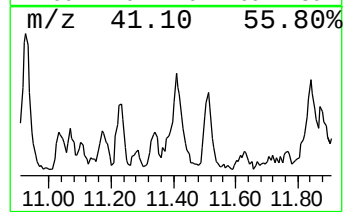
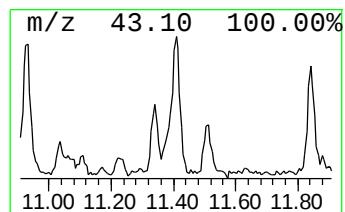
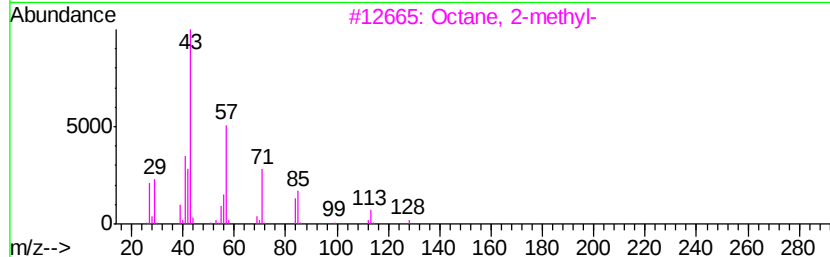
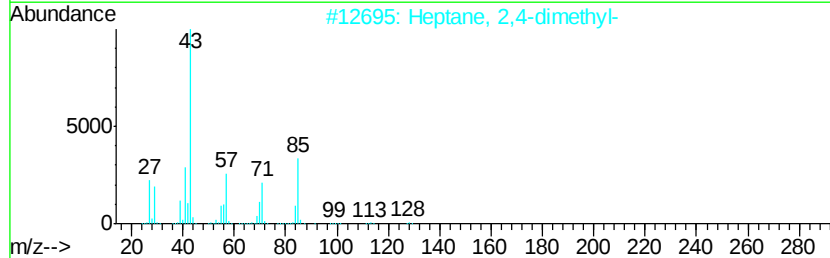
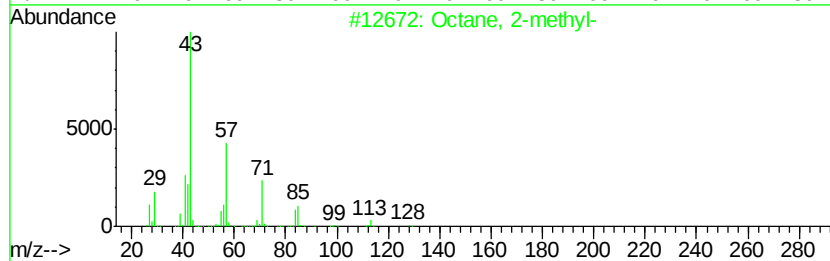
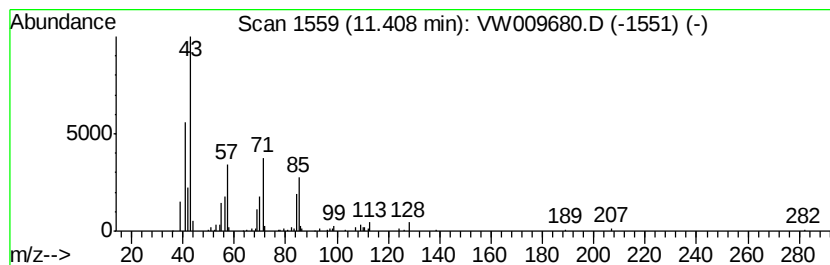
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	2.64 ug/L	107382	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3		Octane, 2-methyl-	128	C9H20	003221-61-2	53
4		Octane, 4-methyl-	128	C9H20	002216-34-4	53
5		Octane, 4-methyl-	128	C9H20	002216-34-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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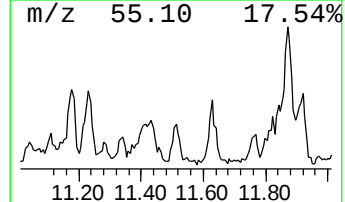
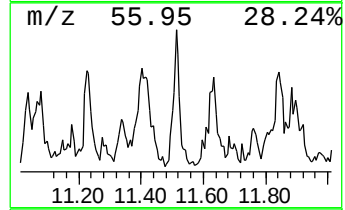
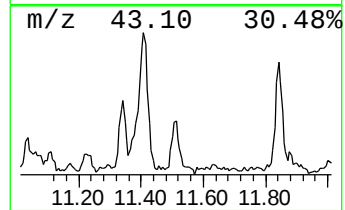
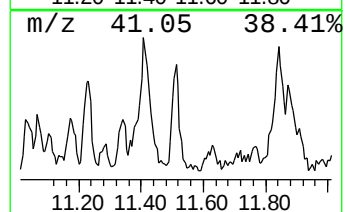
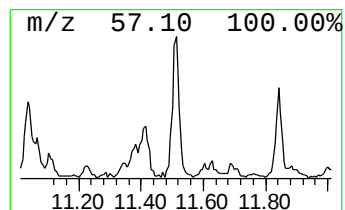
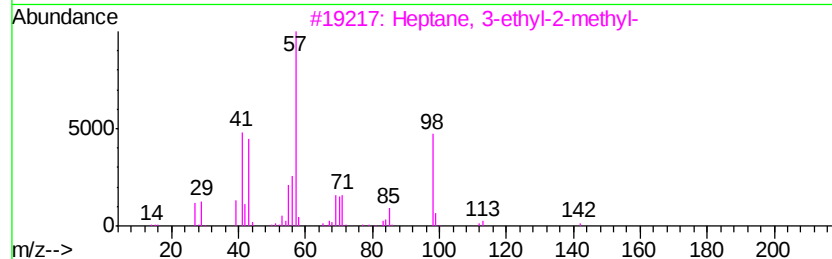
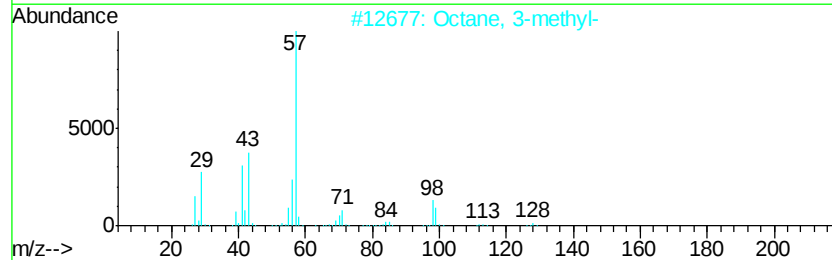
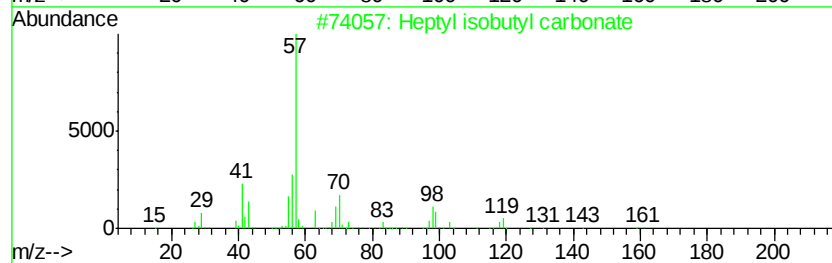
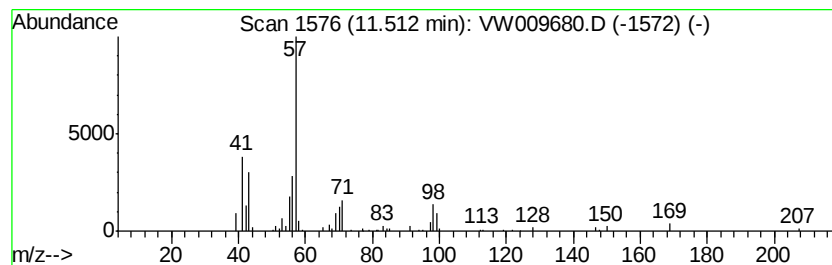
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Quant Title : VOC Analysis

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

Peak Number 8 Heptyl isobutyl carbonate Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	1.27 ug/L	51646	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	72
2		Octane, 3-methyl-	128	C9H20	002216-33-3	72
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	53
5		Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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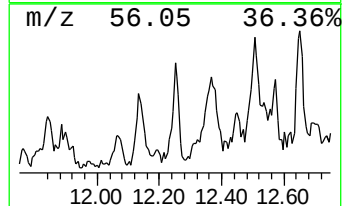
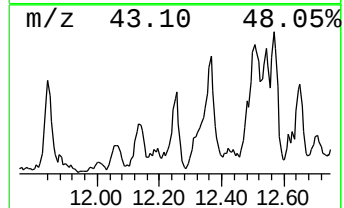
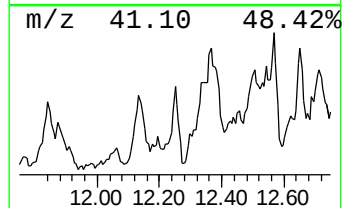
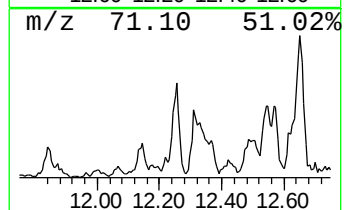
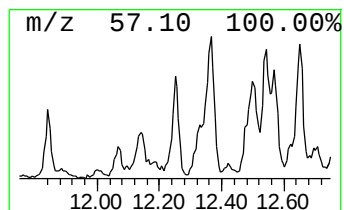
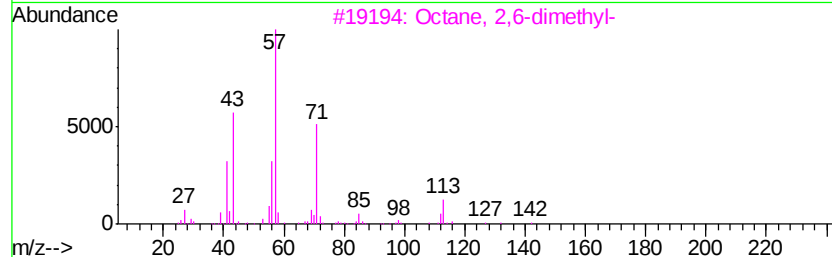
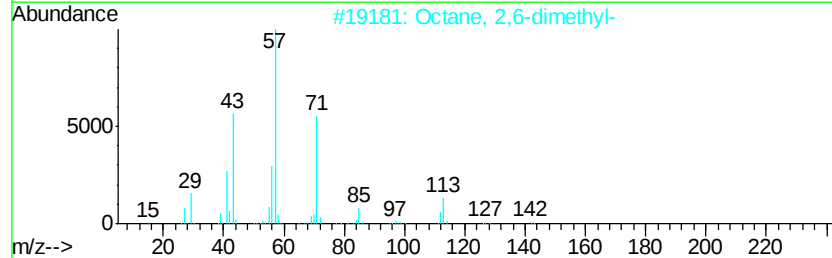
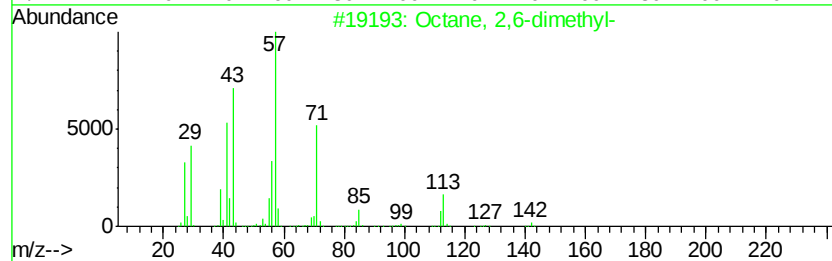
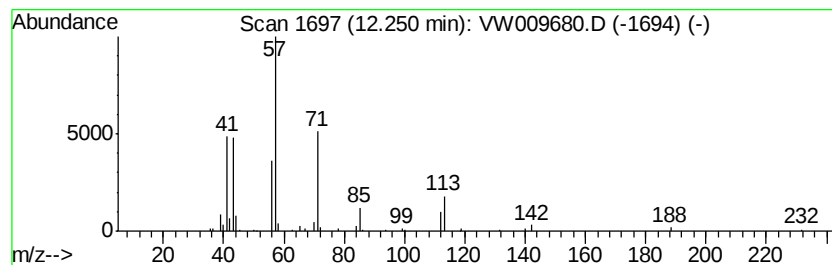
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	1.43 ug/L	58105	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4			Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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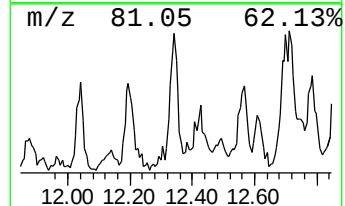
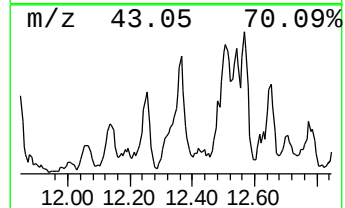
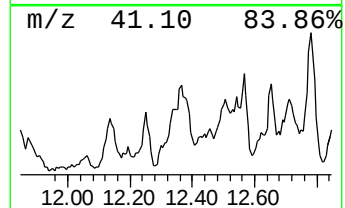
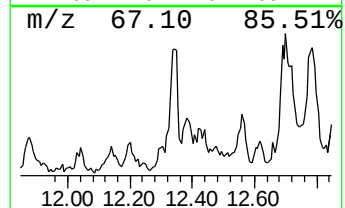
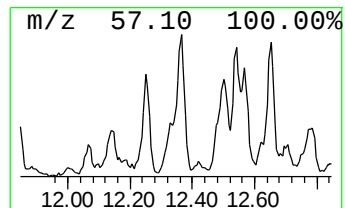
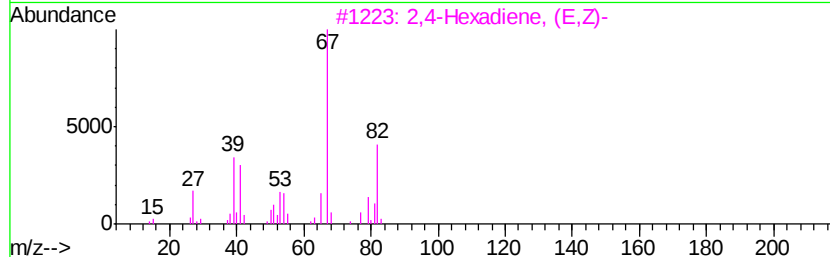
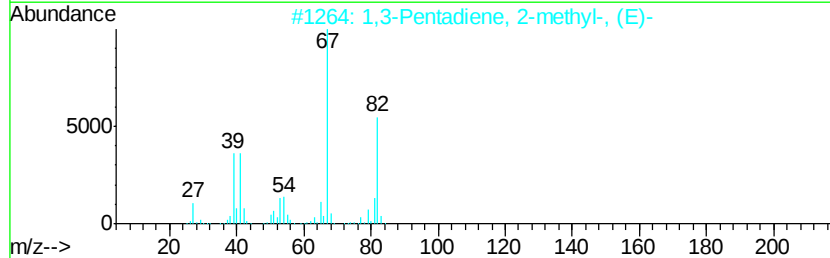
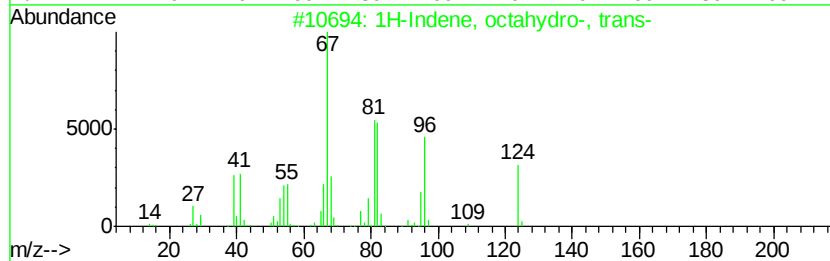
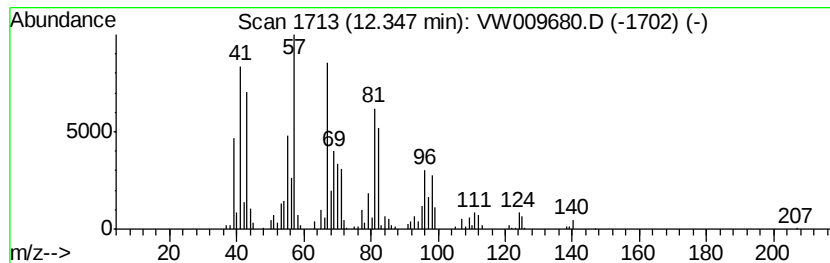
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Quant Title : VOC Analysis

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

Peak Number 10 1H-Indene, octahydro-, trans- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.95 ug/L	160675	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
2		1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	45
3		2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	43
4		1,3-Pentadiene, 3-methyl-, (Z)-	82	C6H10	002787-45-3	43
5		1,3-Pentadiene, 3-methyl-, (E)-	82	C6H10	002787-43-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

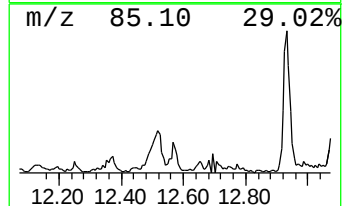
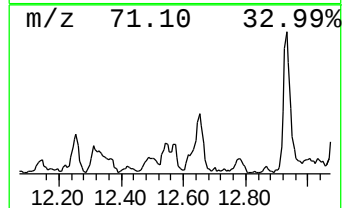
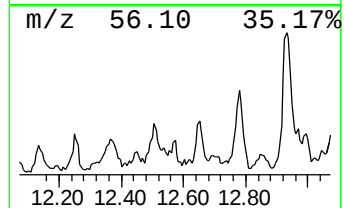
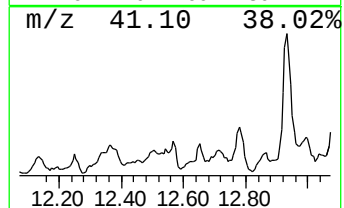
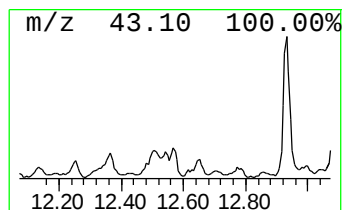
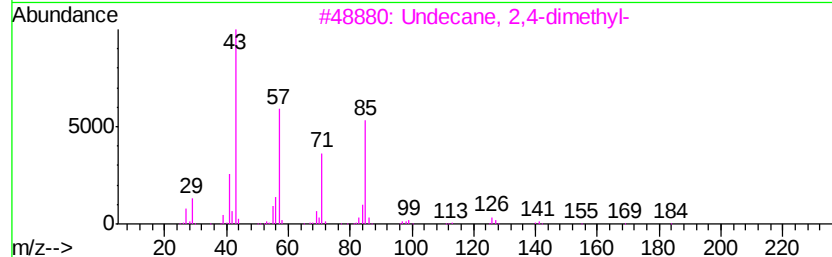
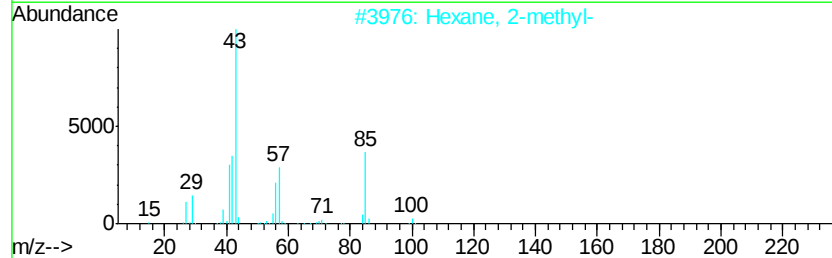
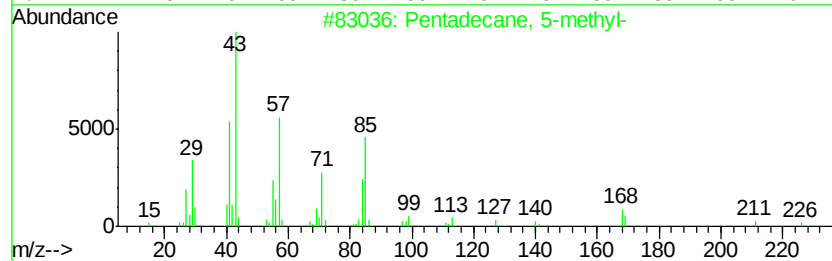
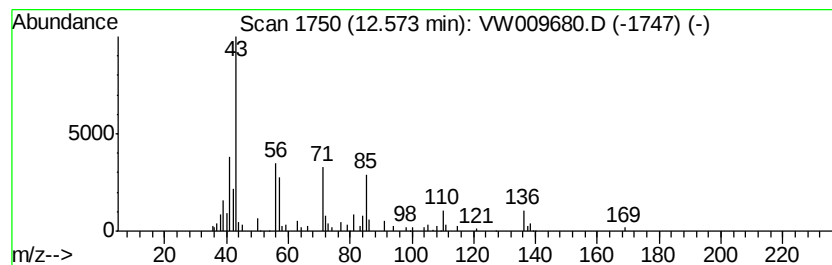
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	1.80 ug/L	73225	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 5-methyl-	226	C16H34	025117-33-3	32
2			Hexane, 2-methyl-	100	C7H16	000591-76-4	27
3			Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	27
4			Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	25
5			Nonane	128	C9H20	000111-84-2	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

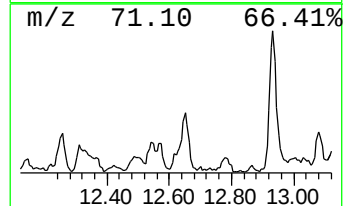
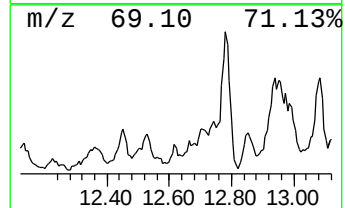
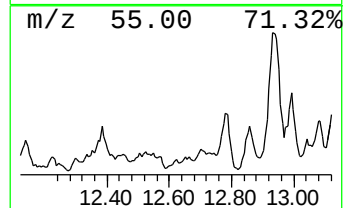
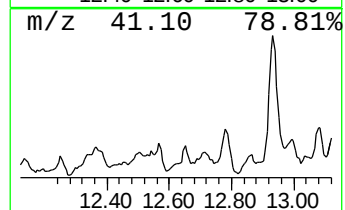
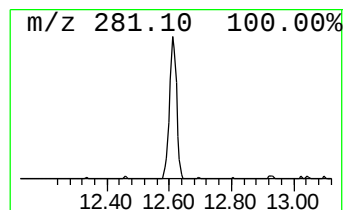
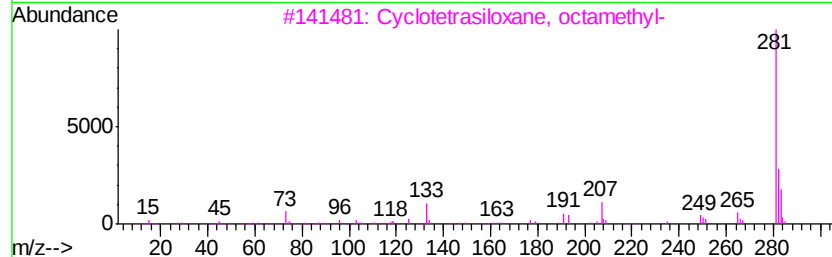
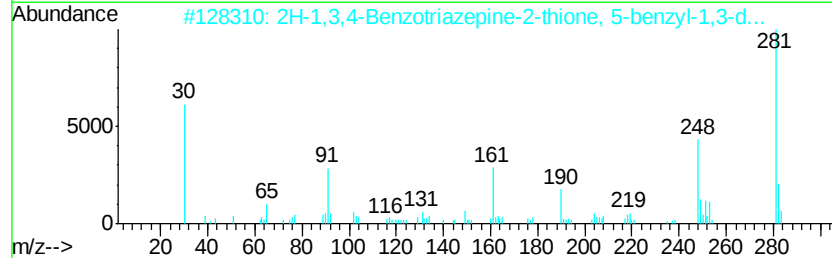
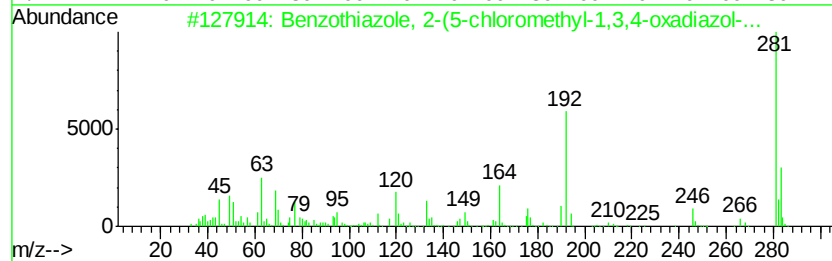
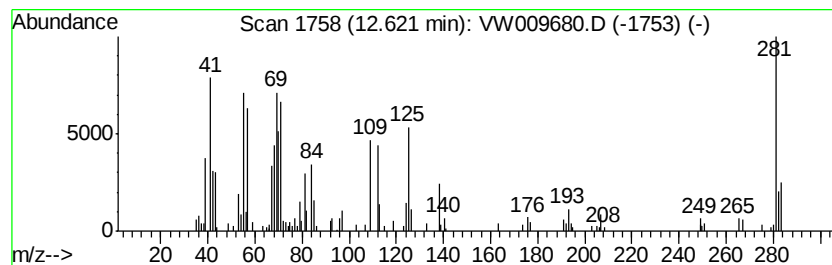
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 12 unknown-03 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.62	1.34 ug/L	54129	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzothiazole, 2-(5-chloromethyl...	281	C11H8ClN3O2S	1000268-95-1	35
2		2H-1,3,4-Benzotriazepine-2-thion...	281	C16H15N3S	141071-26-3	35
3		Cvclo tetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	35
4		trans-4-Dimethylamino-4'-methoxy...	281	C18H19NO2	052119-37-6	30
5		4-Amino-5-(4-acetylphenylazo)ben...	281	C14H11N5O2	166766-09-2	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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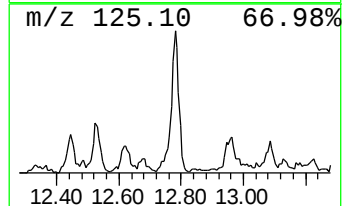
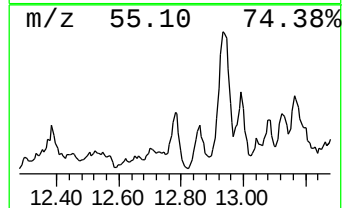
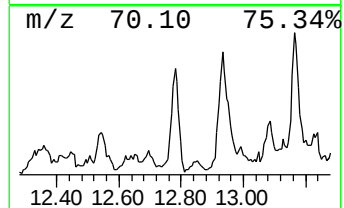
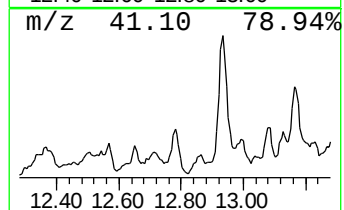
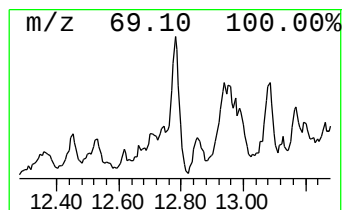
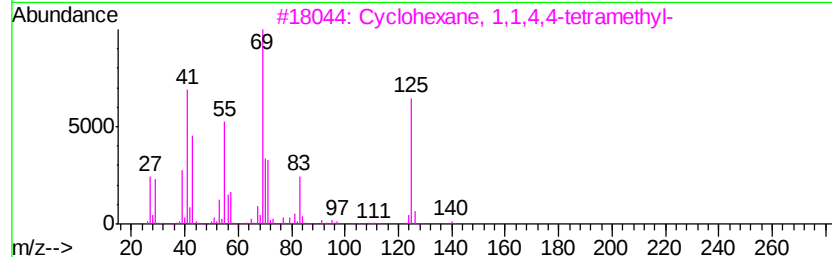
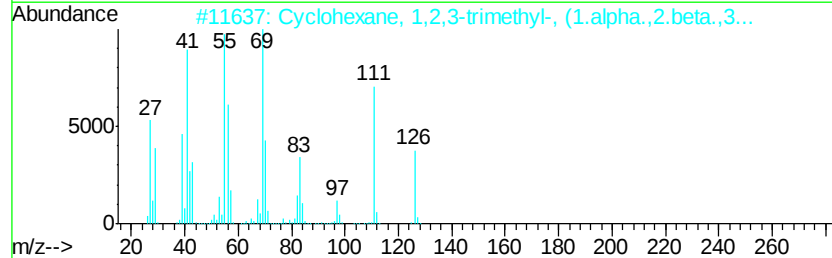
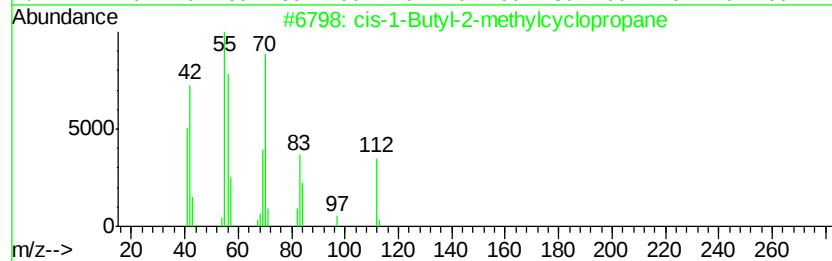
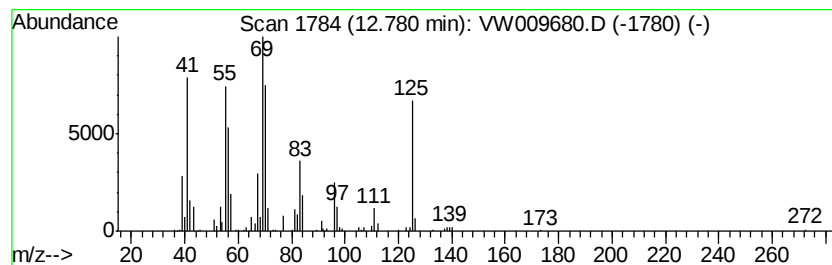
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Quant Title : VOC Analysis

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

Peak Number 13 cis-1-Butyl-2-methylcyclopr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	5.85 ug/L	236104	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	52
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	49
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
4		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
5		1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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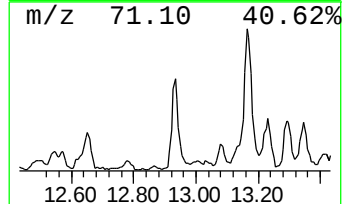
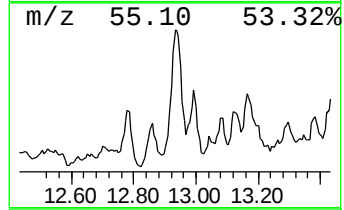
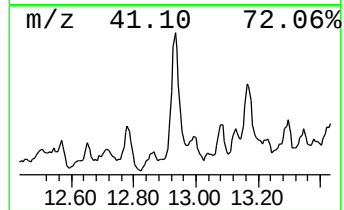
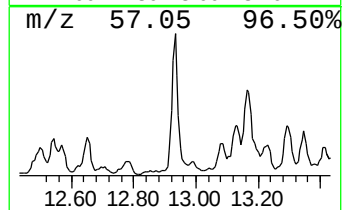
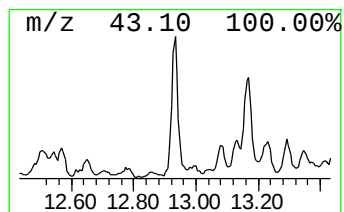
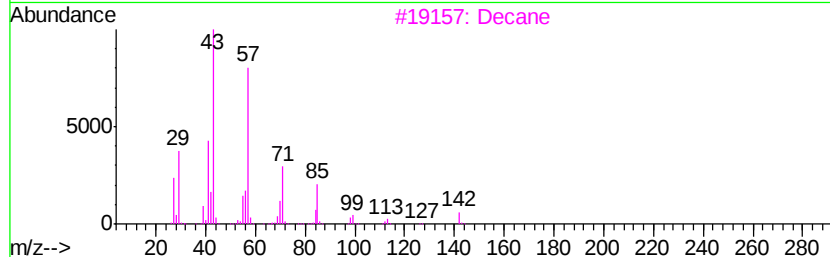
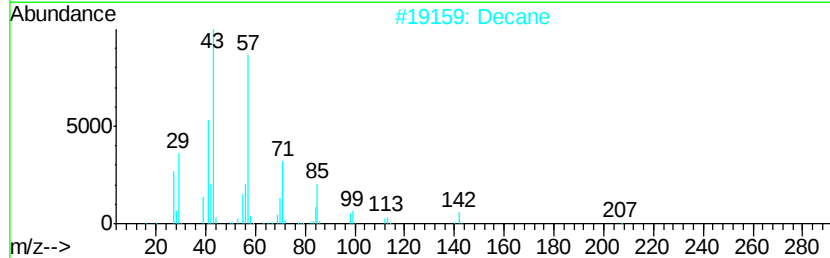
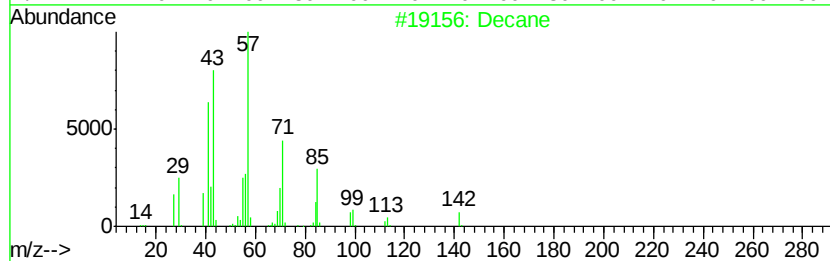
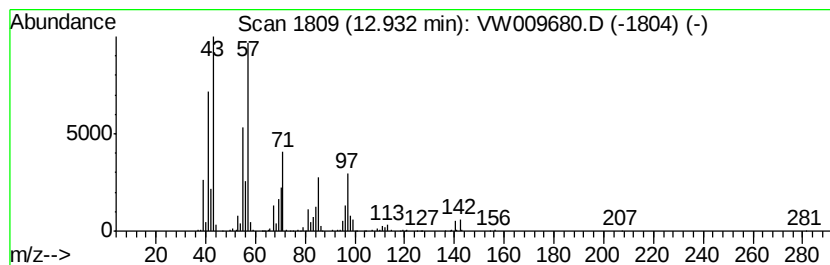
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	15.12 ug/L	609767	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	93
2		Decane	142	C10H22	000124-18-5	76
3		Decane	142	C10H22	000124-18-5	70
4		Octadecane, 1-(ethenvloxy)-	296	C20H40O	000930-02-9	64
5		Tetratriacontyl pentafluoropropi...	641	C37H69F5O2	1000351-81-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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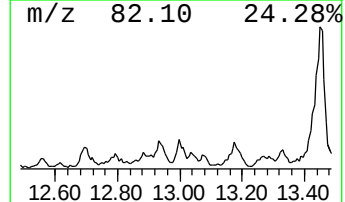
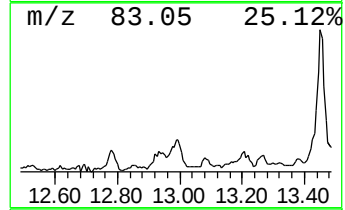
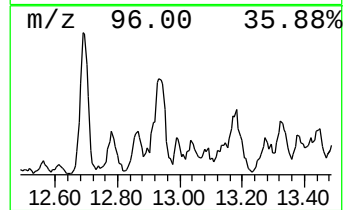
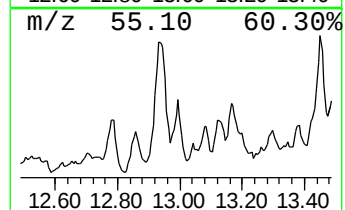
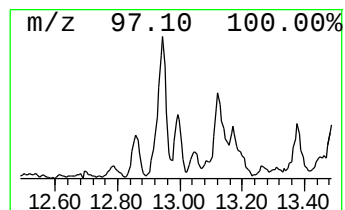
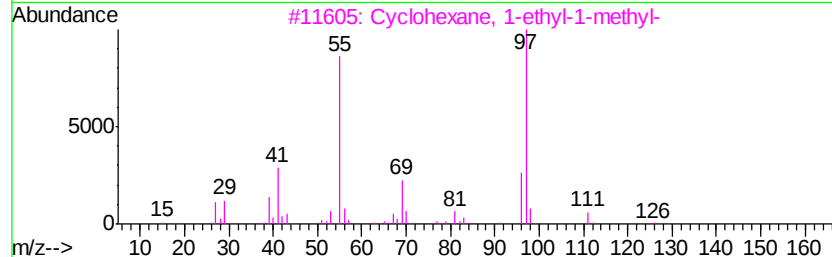
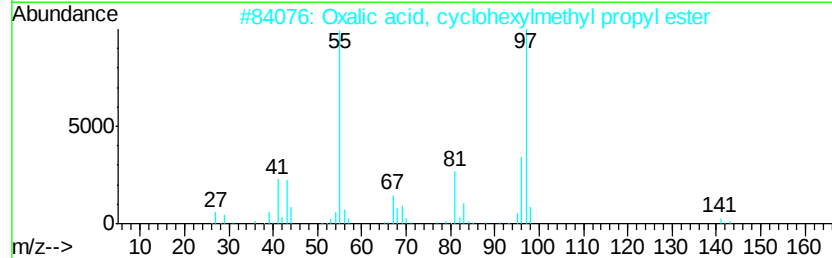
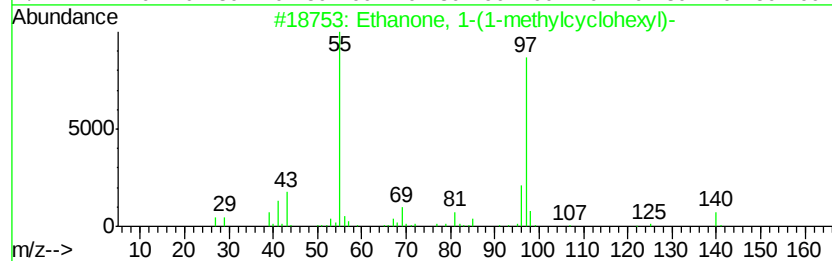
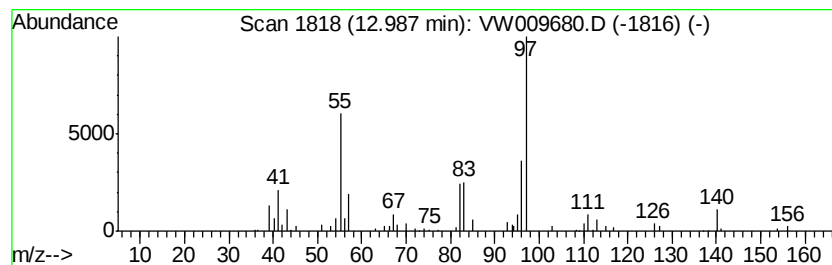
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Quant Title : VOC Analysis

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

Peak Number 16 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	1.98 ug/L	79680	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	50
2			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	50
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
4			Sulfurous acid, cyclohexylmethyl...	206	C9H18O3S	1000309-21-2	50
5			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

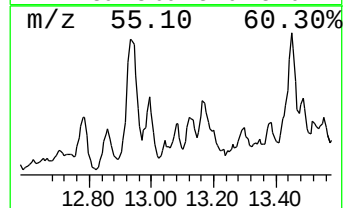
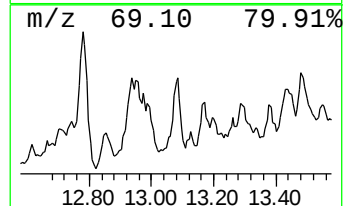
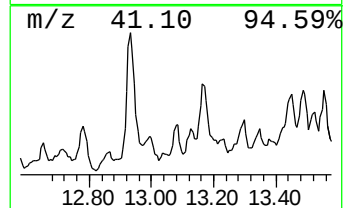
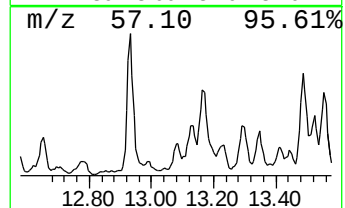
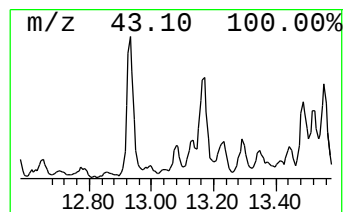
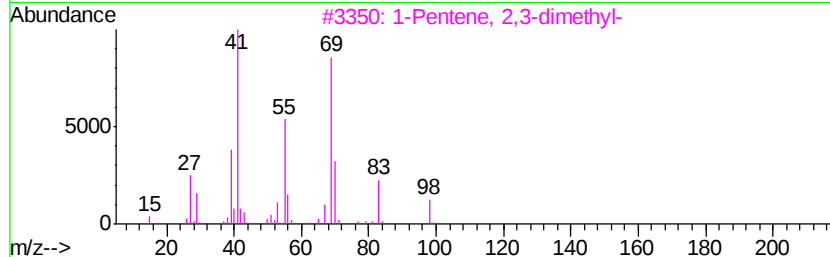
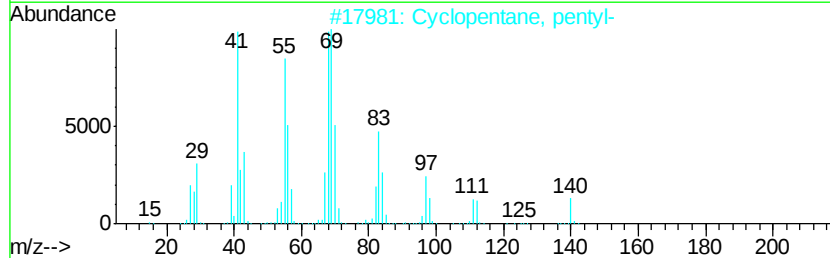
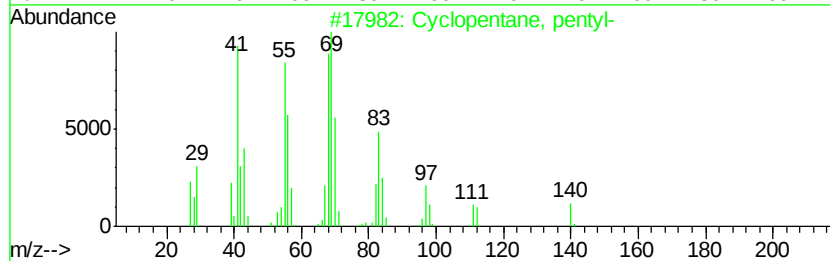
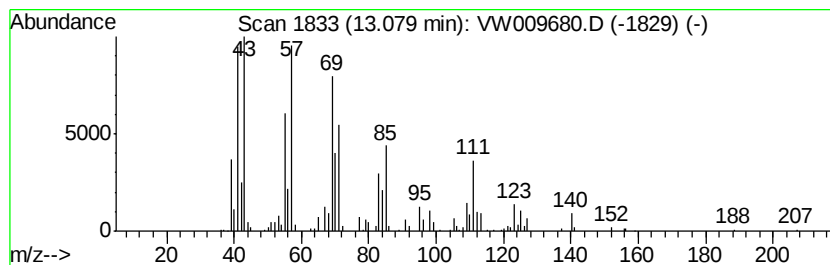
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic13.08 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	3.19 ug/L	128533	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, pentyl-	140	C10H20	003741-00-2	70
2			Cyclopentane, pentyl-	140	C10H20	003741-00-2	46
3			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	42
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

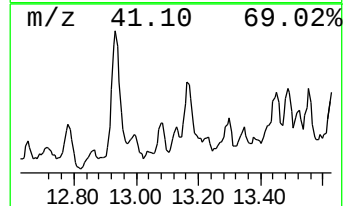
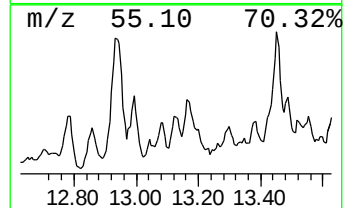
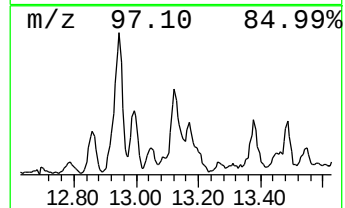
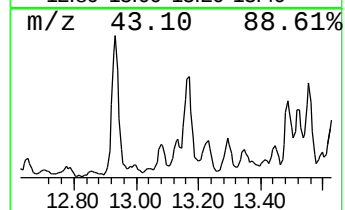
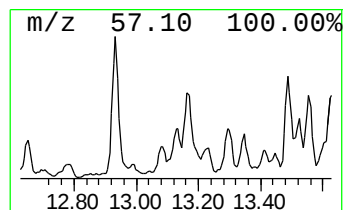
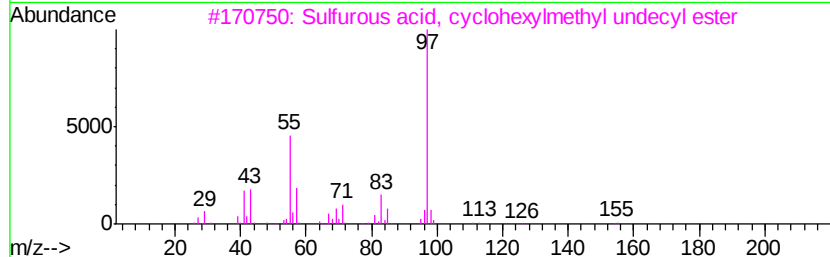
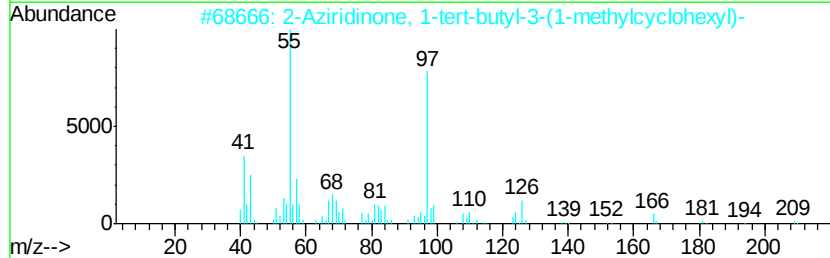
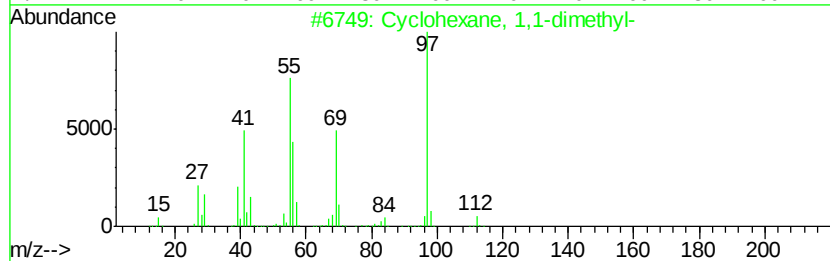
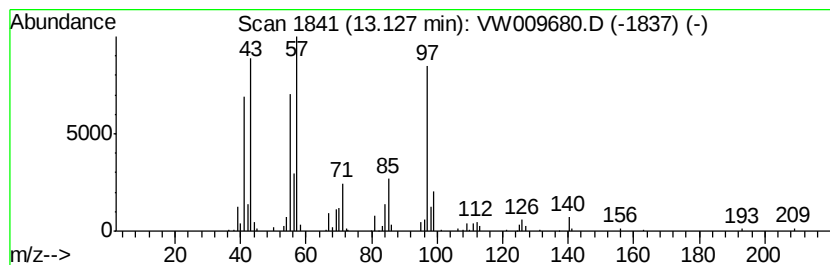
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic13.13 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	1.68 ug/L	67897	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
2			2-Aziridinone, 1-tert-butyl-3-(1...	209	C13H23NO	024161-49-7	43
3			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	43
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	43
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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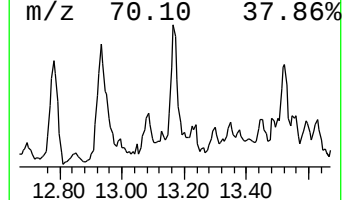
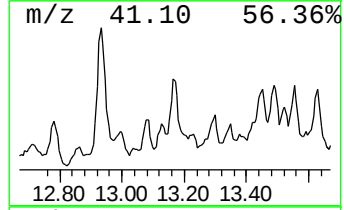
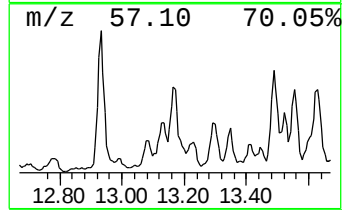
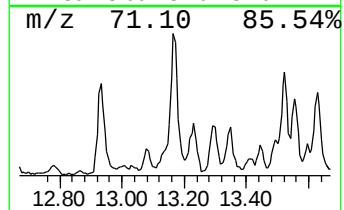
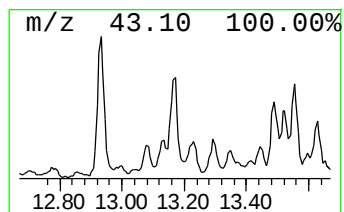
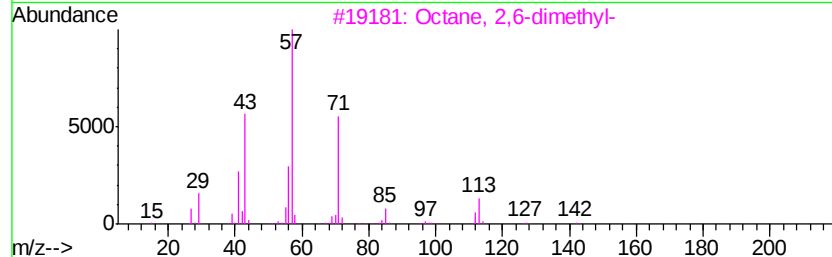
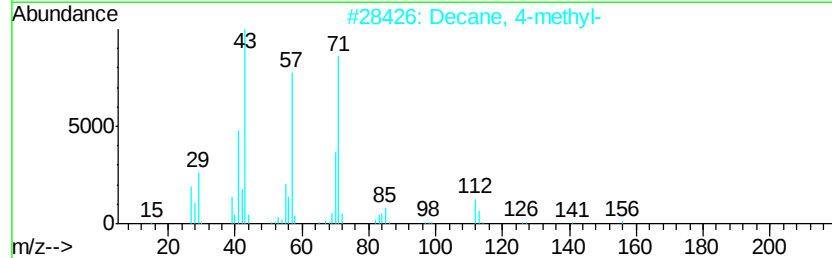
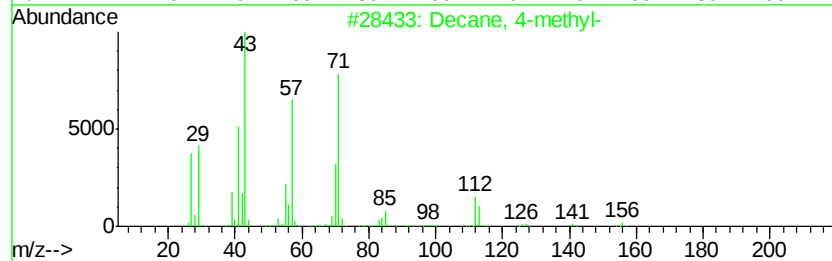
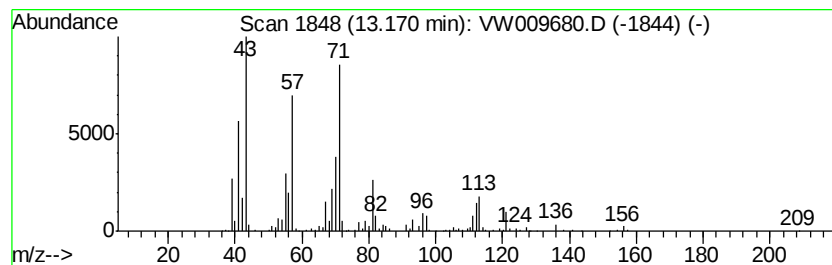
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.98 ug/L	281439	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	74
2		Decane, 4-methyl-	156	C11H24	002847-72-5	64
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
4		Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	53
5		Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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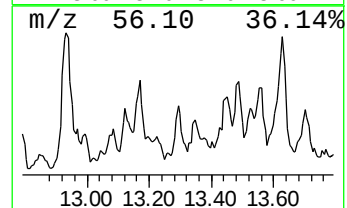
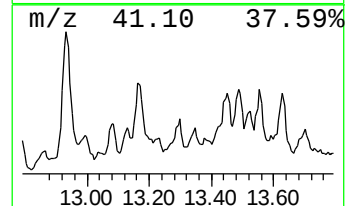
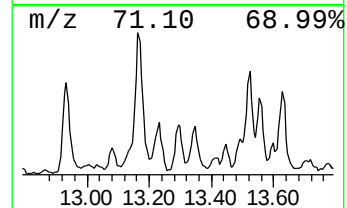
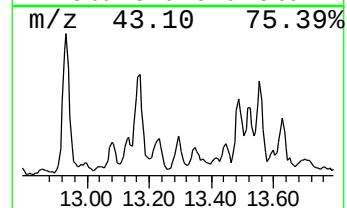
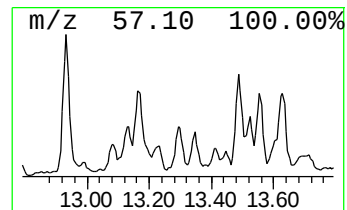
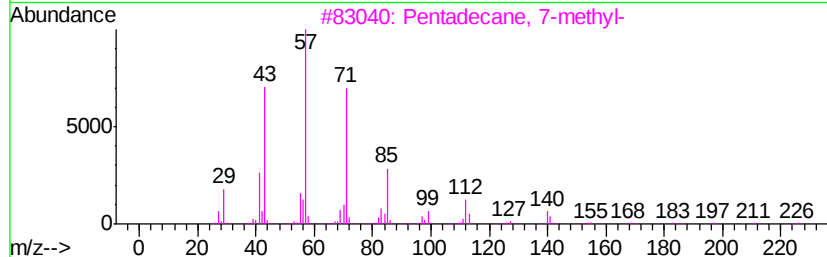
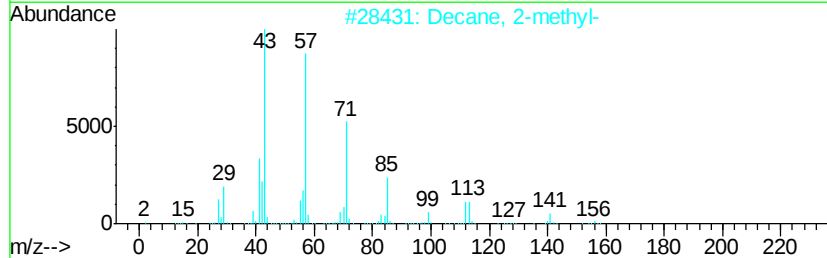
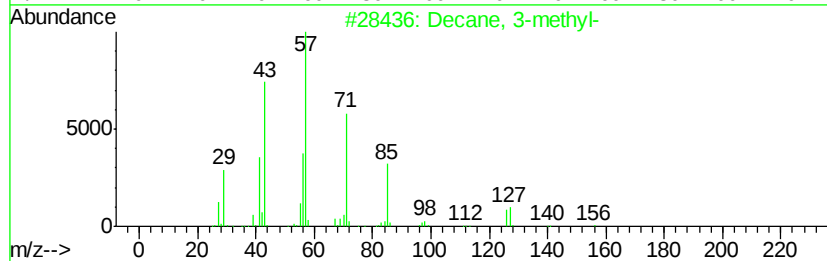
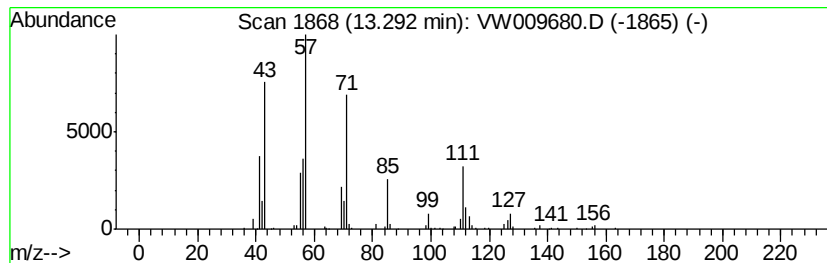
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.26 ug/L	91213	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	59
2			Decane, 2-methyl-	156	C11H24	006975-98-0	58
3			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	53
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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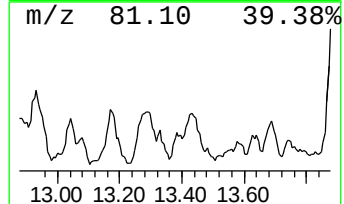
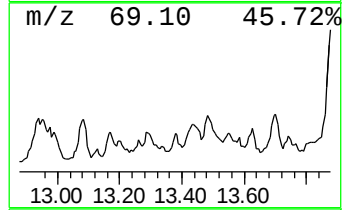
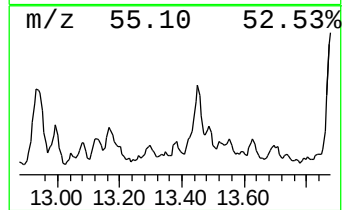
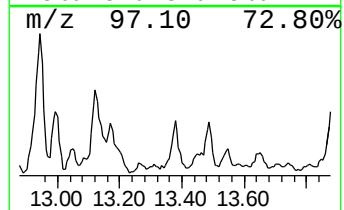
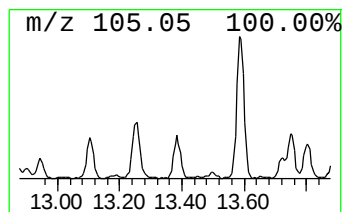
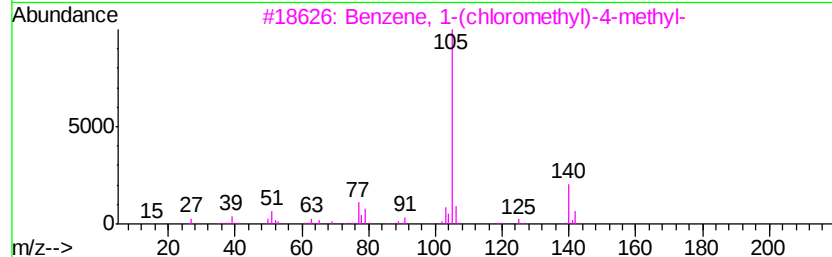
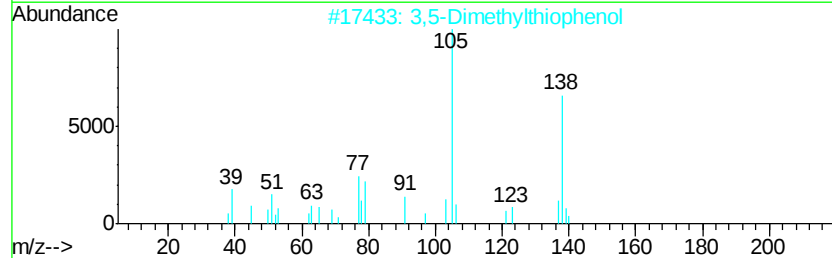
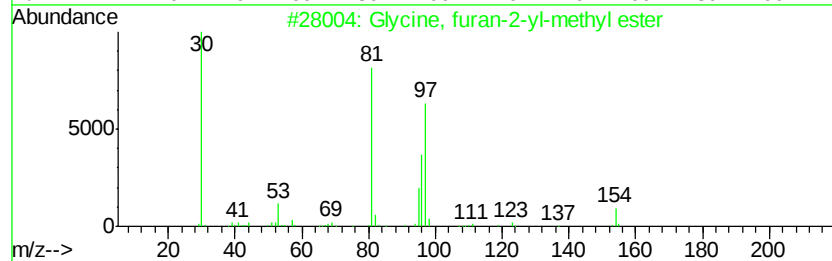
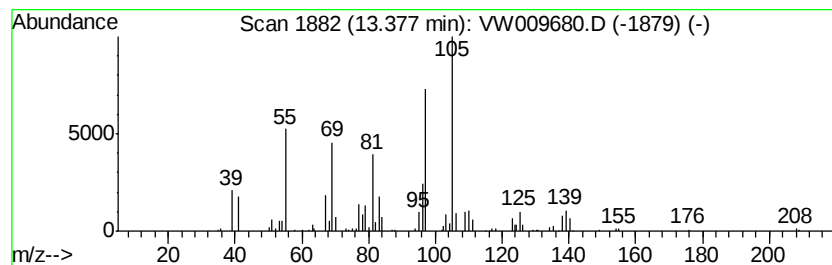
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-04 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.02 ug/L	81498	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Glycine, furan-2-yl-methyl ester	155	C7H9NO3	1000306-78-7	16
2		3,5-Dimethylthiophenol	138	C8H10S	038360-81-5	11
3		Benzene, 1-(chloromethyl)-4-methyl-	140	C8H9Cl	000104-82-5	11
4		Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	11
5		2,4-Dimethylthiophenol	138	C8H10S	013616-82-5	11



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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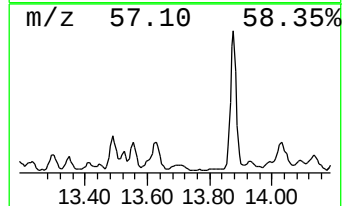
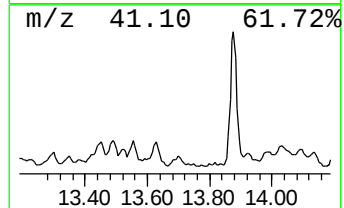
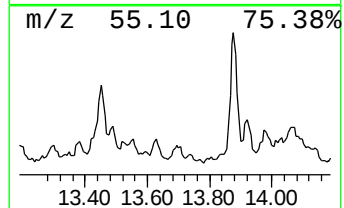
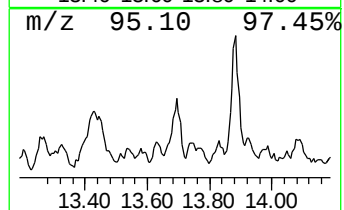
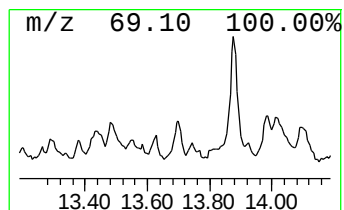
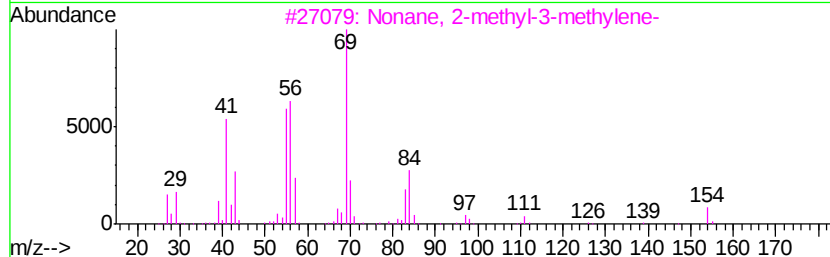
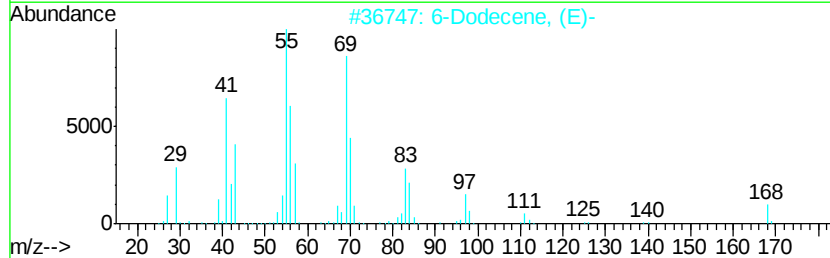
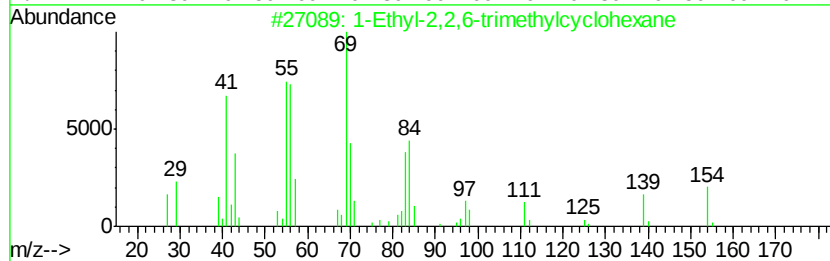
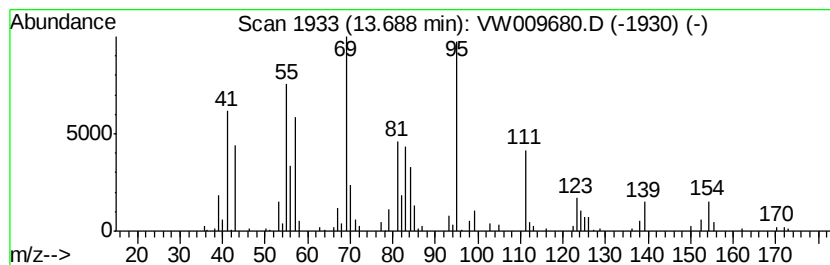
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Quant Title : VOC Analysis

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

Peak Number 22 unknown-05 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	2.33 ug/L	94104	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	43
2		6-Dodecene, (E)-	168	C12H24	007206-17-9	43
3		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	38
4		Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	074663-71-1	35
5		2-Undecene, 4-methyl-	168	C12H24	091695-32-8	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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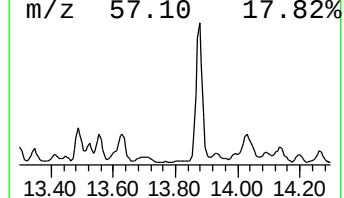
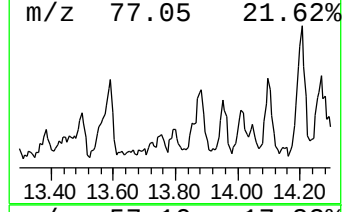
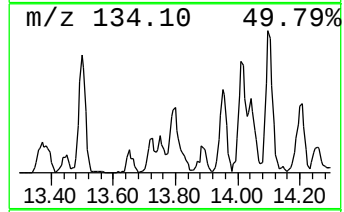
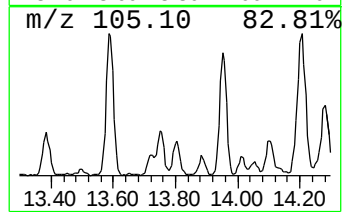
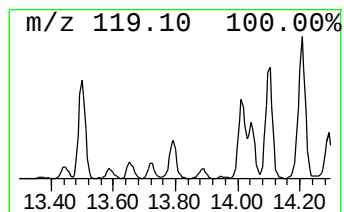
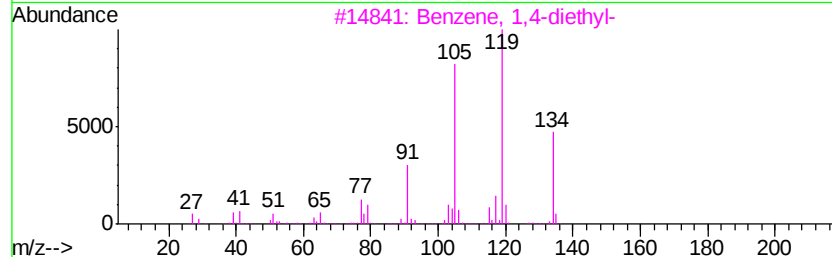
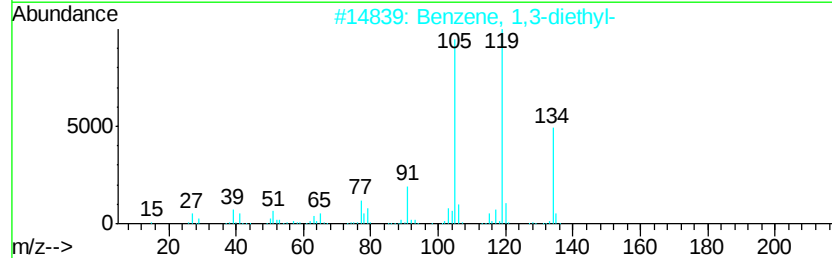
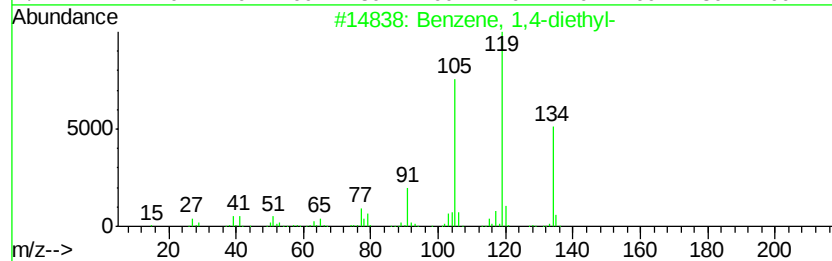
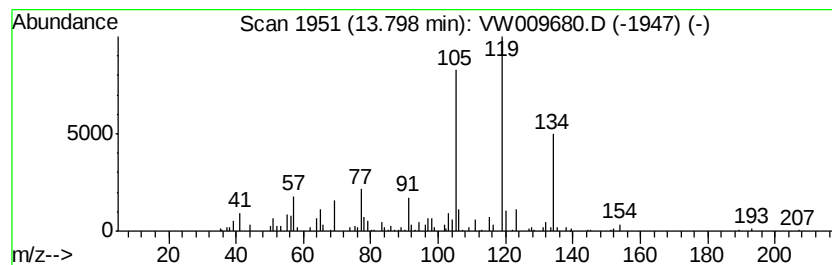
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1,4-diethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	1.41 ug/L	56887	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	87
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	83
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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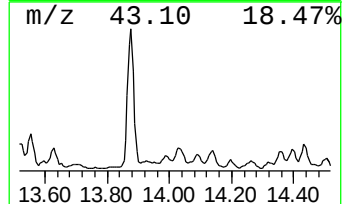
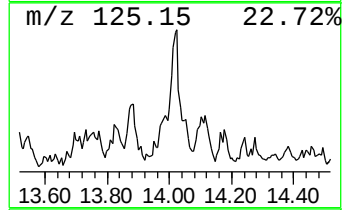
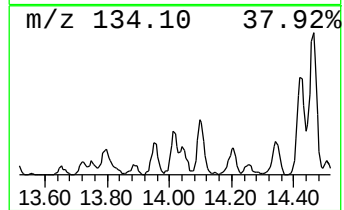
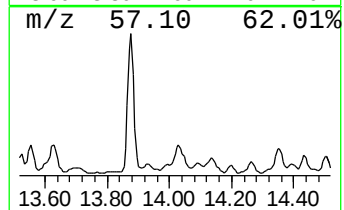
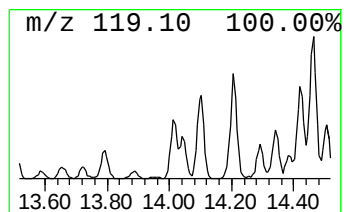
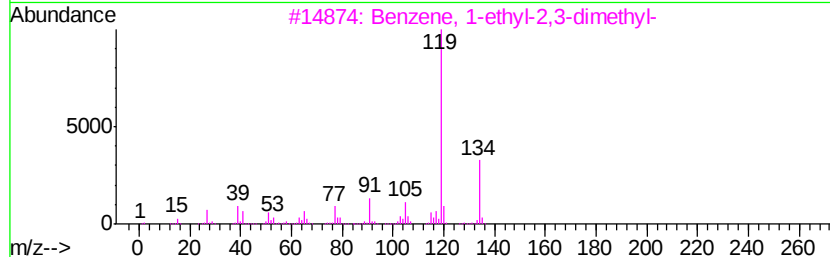
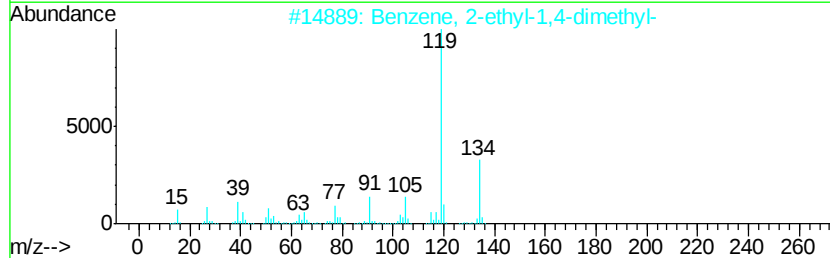
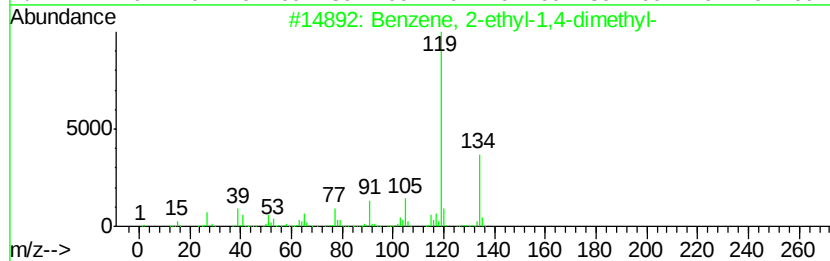
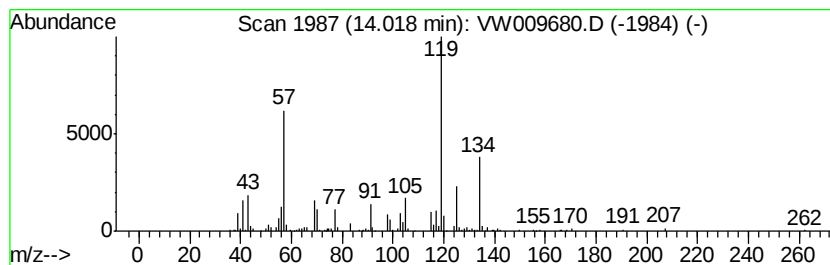
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.78 ug/L	112211	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	87
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

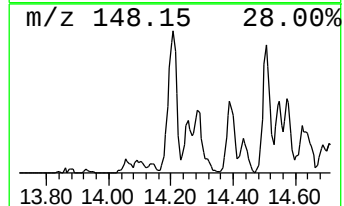
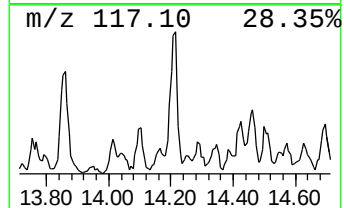
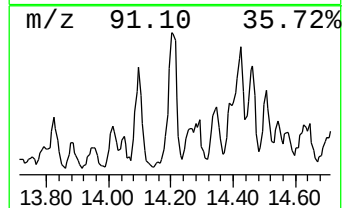
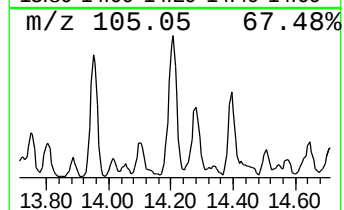
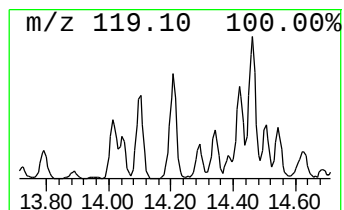
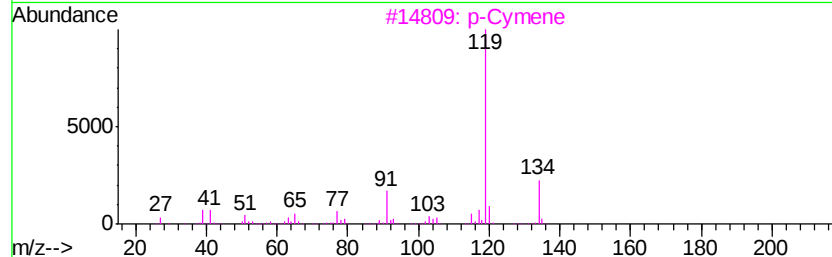
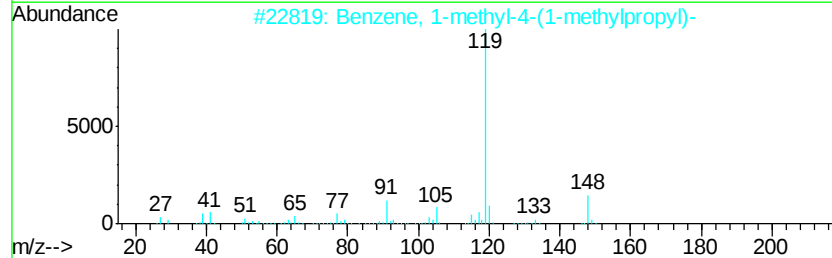
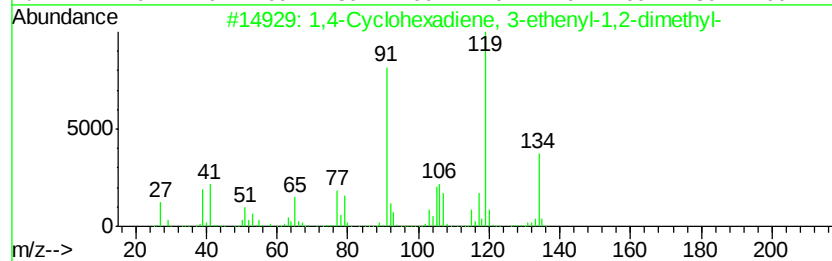
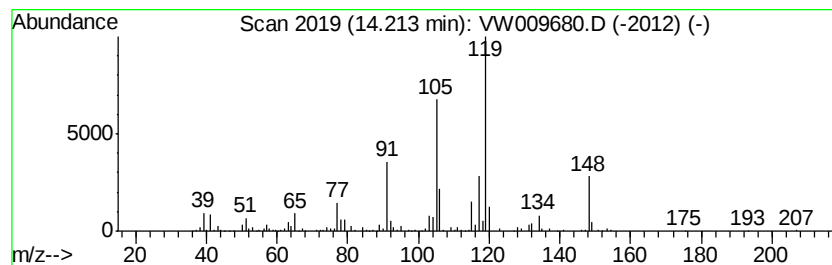
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Quant Title : VOC Analysis

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

Peak Number 26 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	11.47 ug/L	462796	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	86
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	70
3		p-Cymene	134	C10H14	000099-87-6	64
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	62
5		o-Cymene	134	C10H14	000527-84-4	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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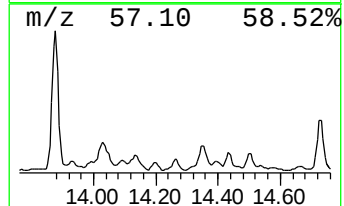
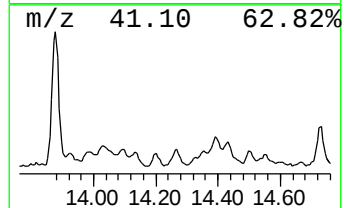
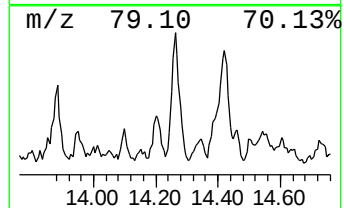
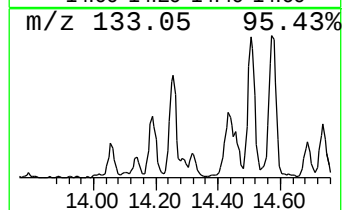
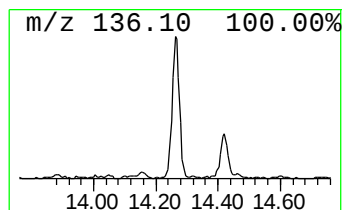
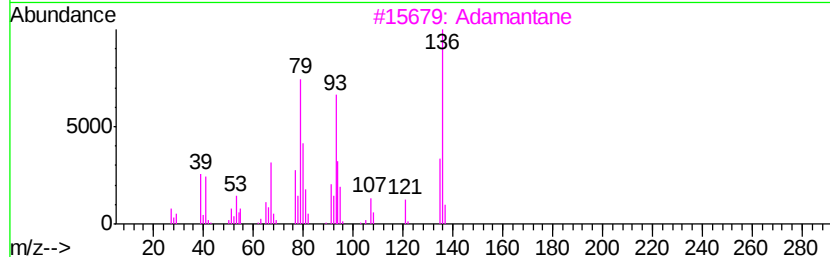
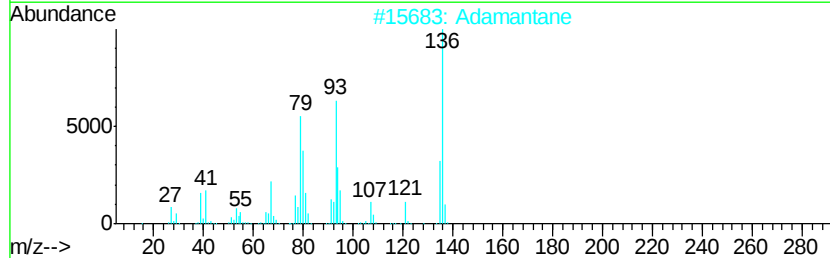
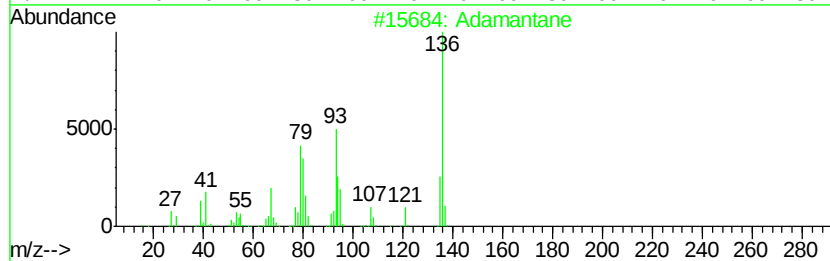
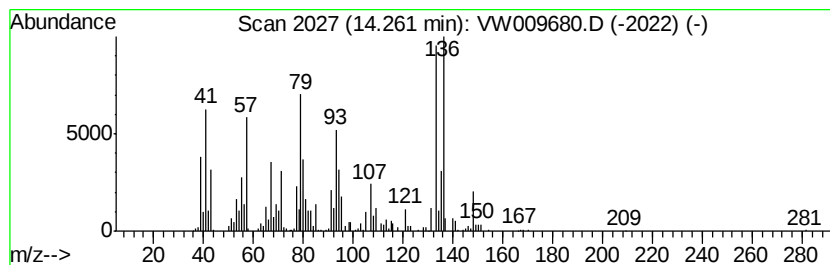
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Quant Title : VOC Analysis

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

Peak Number 27 Adamantane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	10.47 ug/L	422402	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	70
3		Adamantane	136	C10H16	000281-23-2	46
4		1,3-Methanopentalene, octahydro-	122	C9H14	013913-22-9	38
5		Bicyclo[3.2.0]heptane, 2-methylene-	108	C8H12	089243-94-7	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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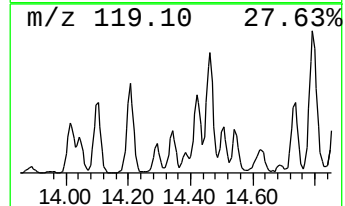
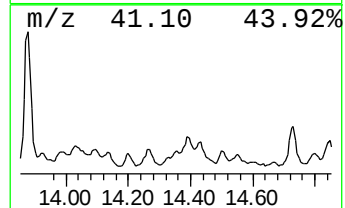
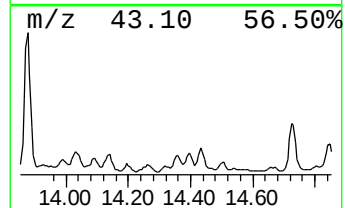
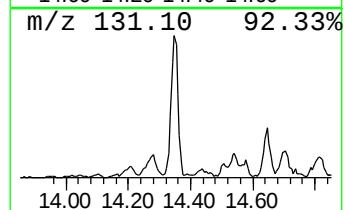
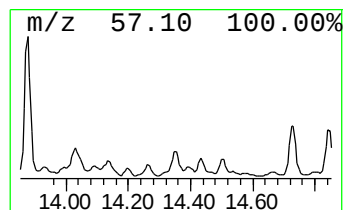
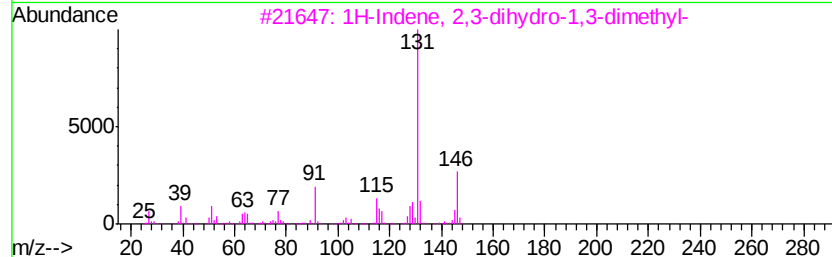
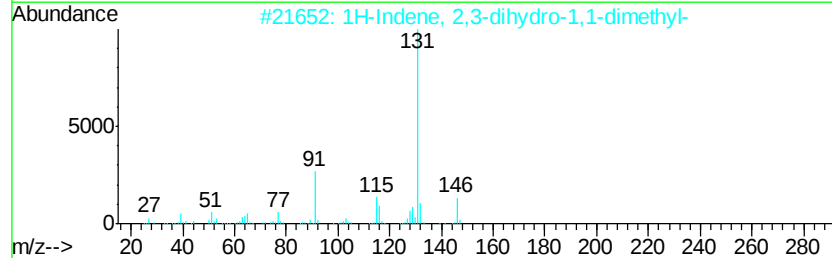
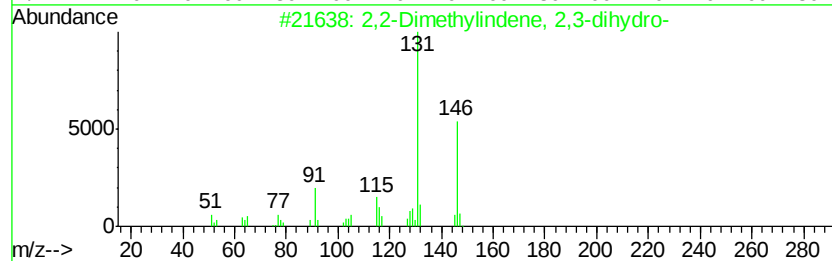
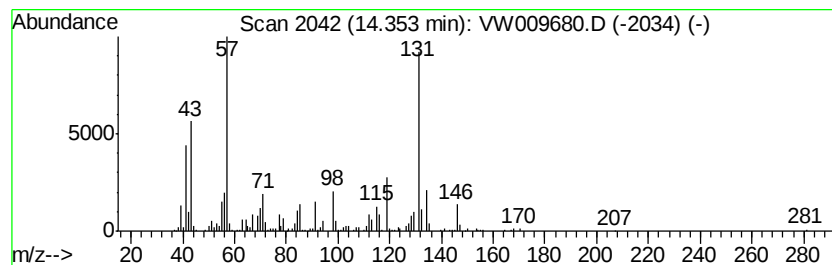
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Quant Title : VOC Analysis

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

Peak Number 28 2,2-Dimethylindene, 2,3-dih... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	8.27 ug/L	333682	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5		3-Chlorotricyclo[5.2.1.0(4,8)]de...	166	C10H11Cl	074876-43-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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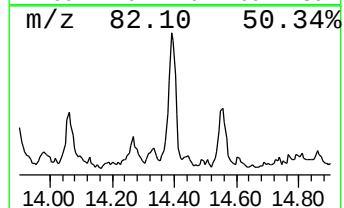
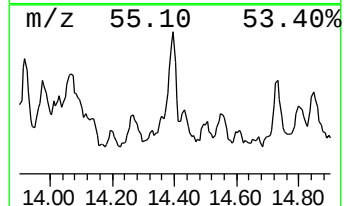
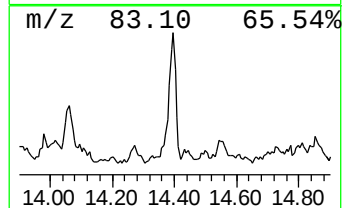
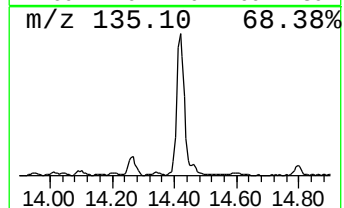
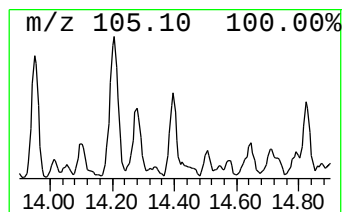
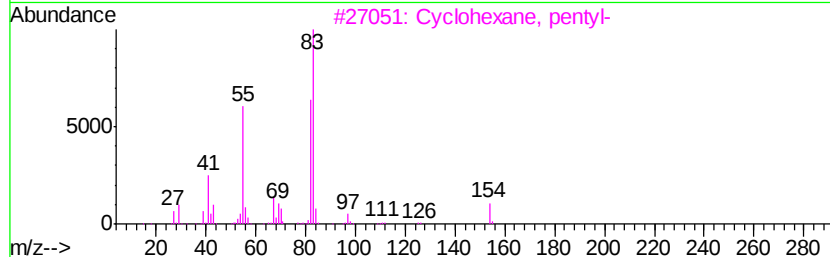
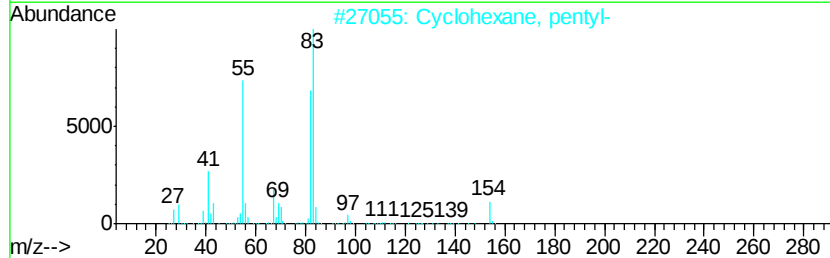
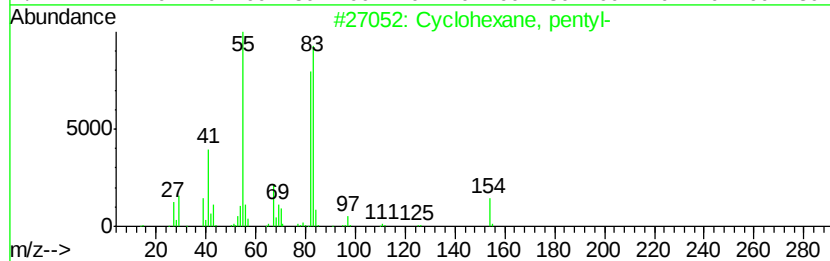
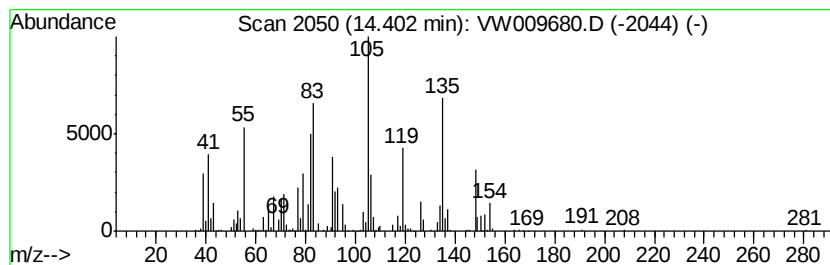
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Cyclic14.40 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	12.04 ug/L	485767	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	45
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4		1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	38
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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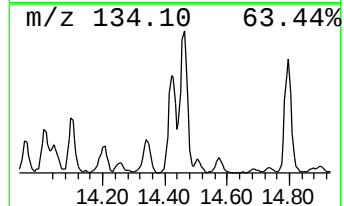
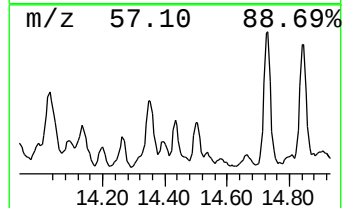
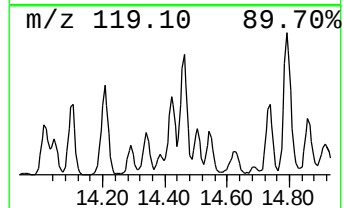
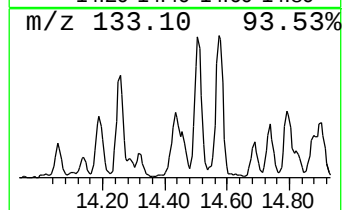
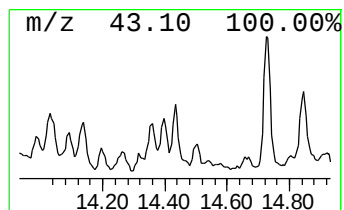
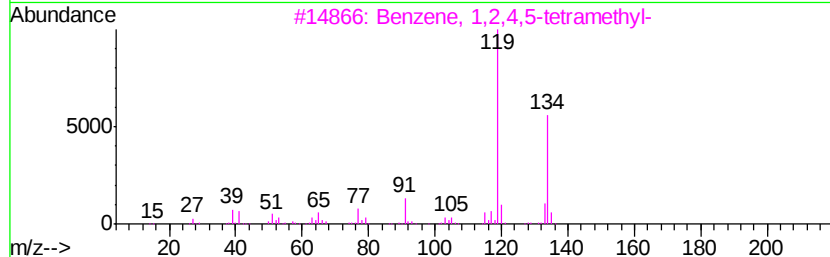
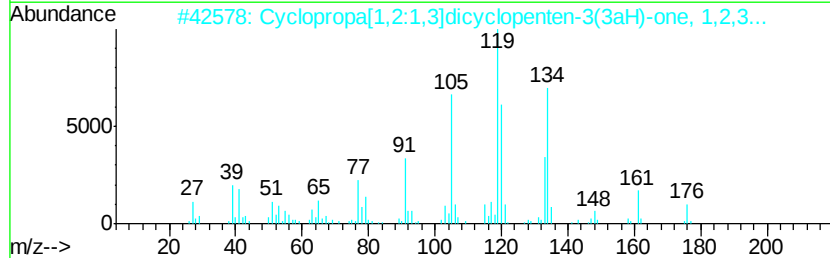
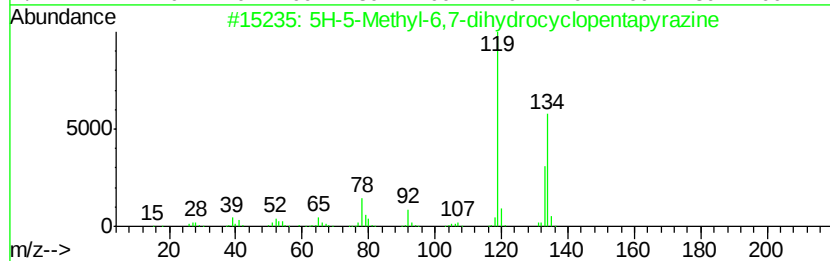
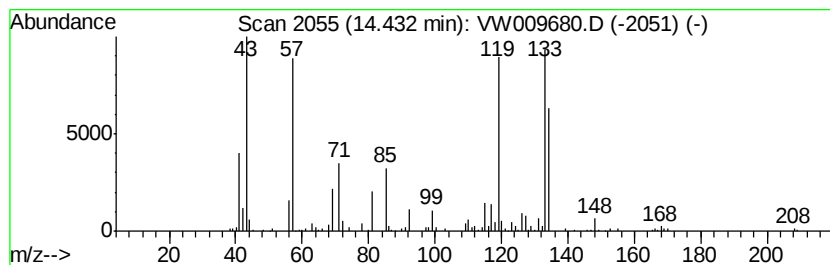
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Quant Title : VOC Analysis

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

Peak Number 30 5H-5-Methyl-6,7-dihydrocyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	12.40 ug/L	500205	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	70
2		Cyclopropa[1,2:1,3]dicyclopenten...	176	C12H16O	091531-53-2	59
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	53
4		5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	53
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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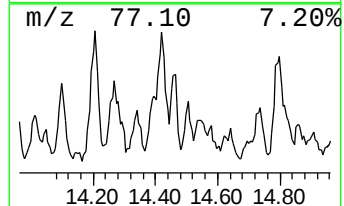
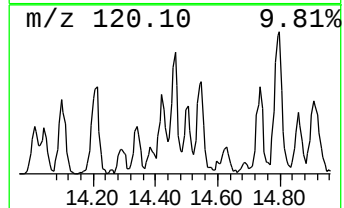
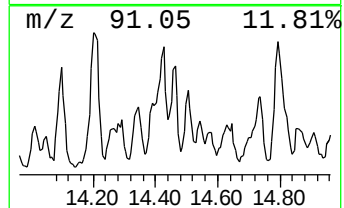
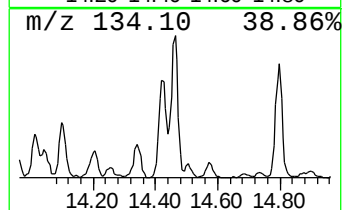
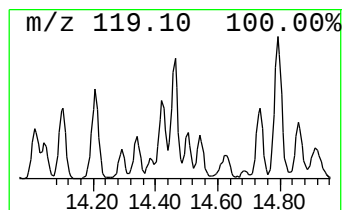
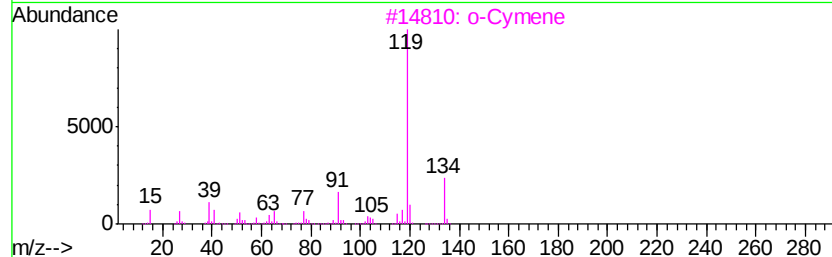
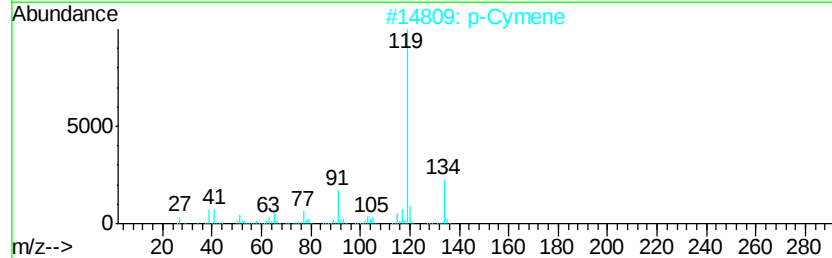
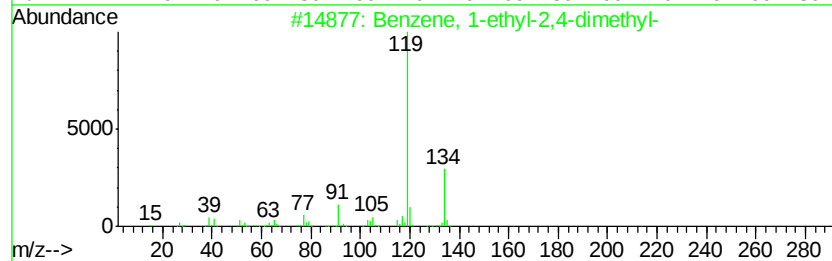
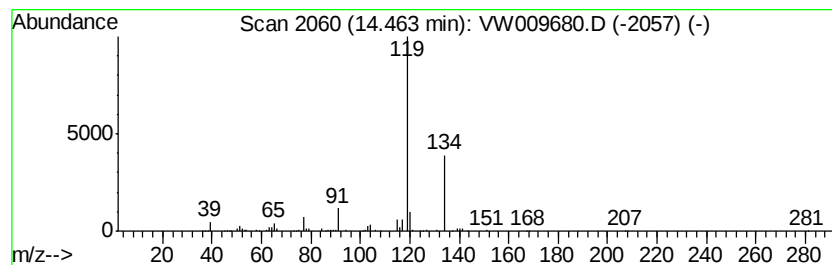
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	6.30 ug/L	254160	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		p-Cymene	134	C10H14	000099-87-6	91
3		o-Cymene	134	C10H14	000527-84-4	91
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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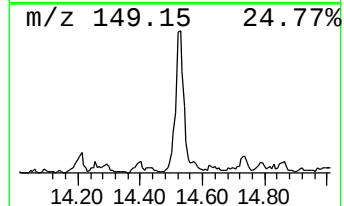
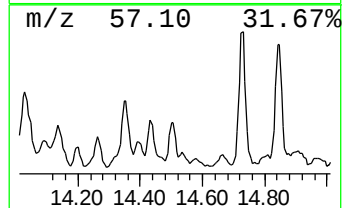
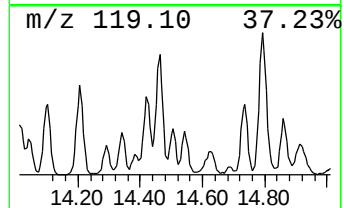
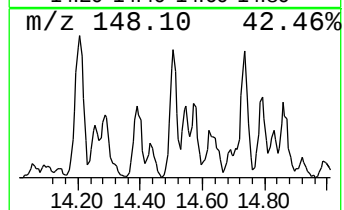
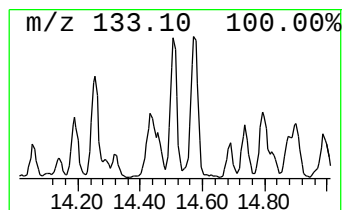
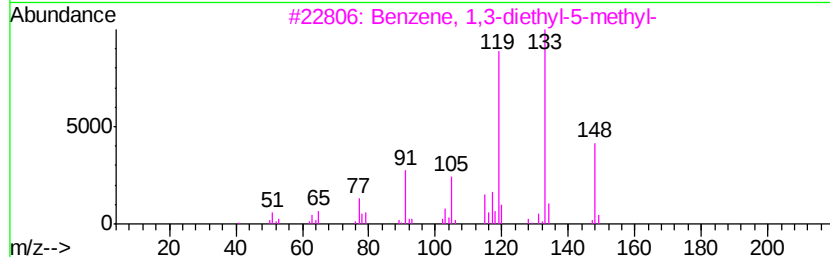
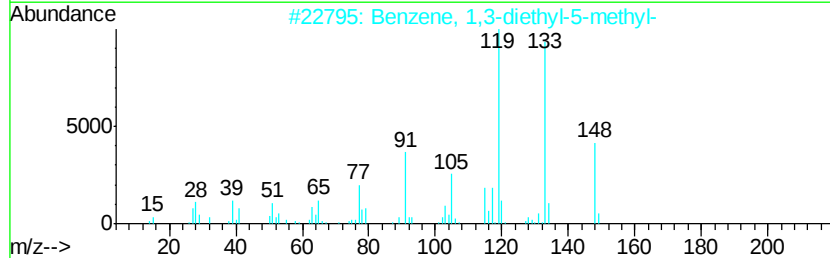
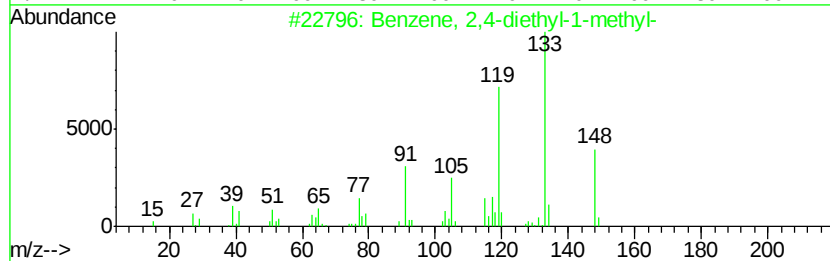
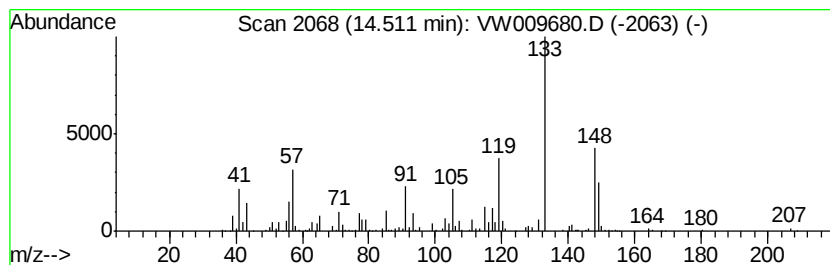
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	6.21 ug/L	250365	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	89
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	76
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	76
4		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	68
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

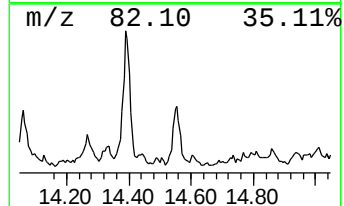
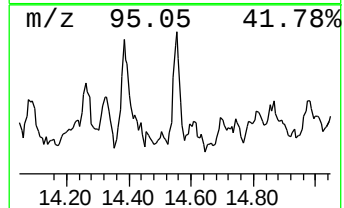
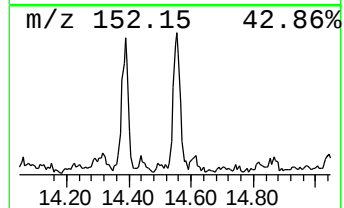
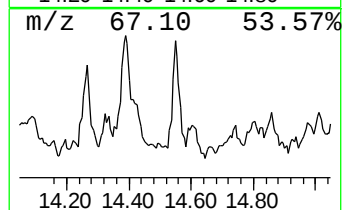
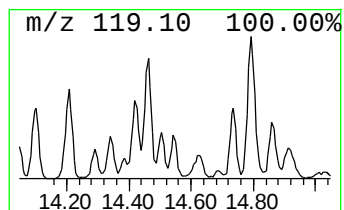
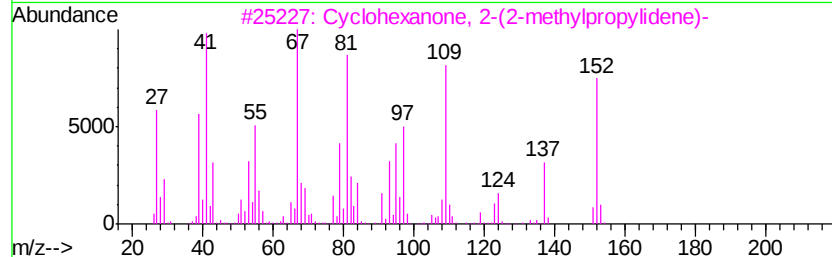
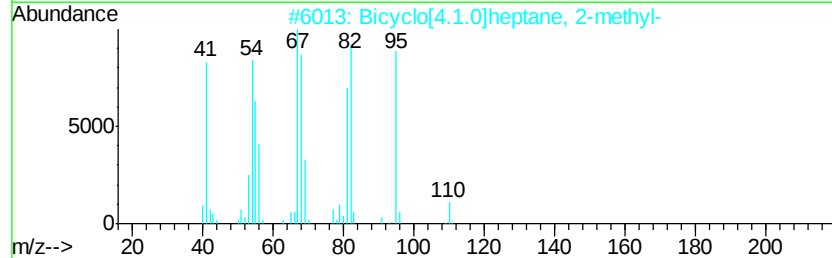
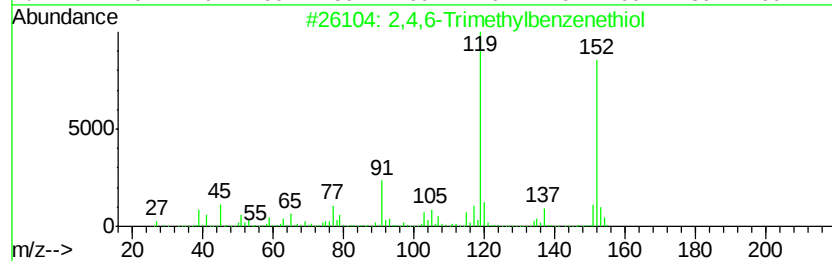
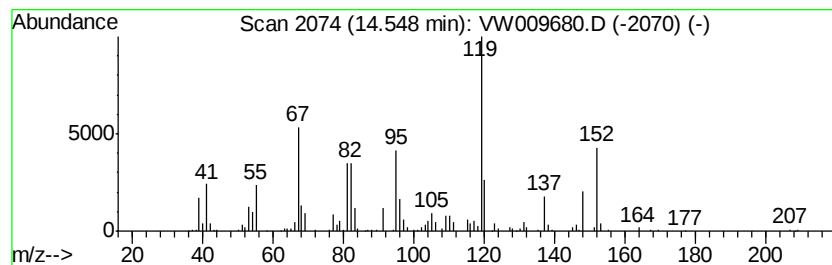
Instrument :
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ClientSampleId :
BF649

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 33 unknown-06 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	6.62 ug/L	267101	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4,6-Trimethylbenzenethiol	152	C9H12S	001541-10-2 35
2	Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2 30
3	Cyclohexanone, 2-(2-methylpropyl)-	152	C10H16O	043108-69-6 22
4	Benzene, 1-methyl-4-(1-methylpropyl)-	148	C11H16	001595-16-0 22
5	Benzene, 1,4-dimethyl-2-(2-methylpropyl)-	162	C12H18	055669-88-0 22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

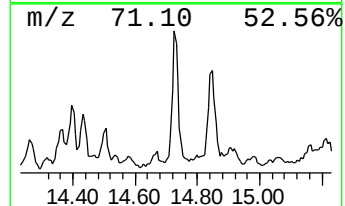
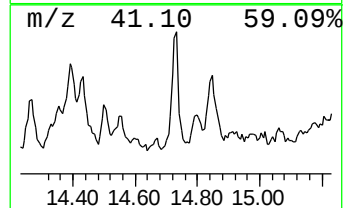
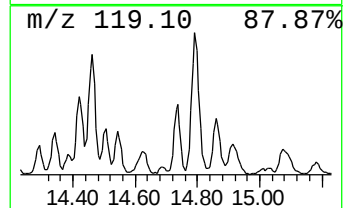
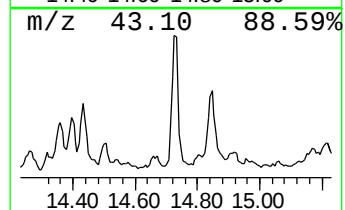
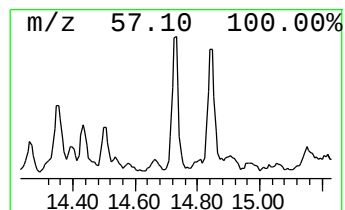
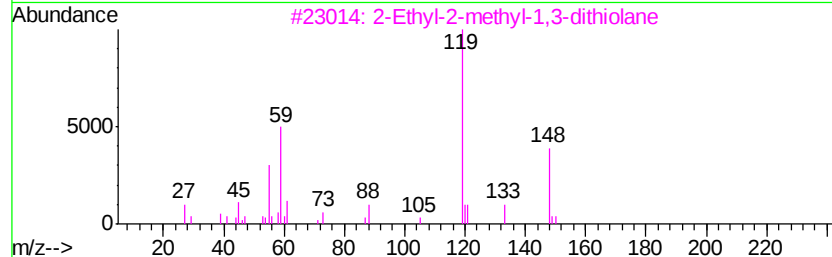
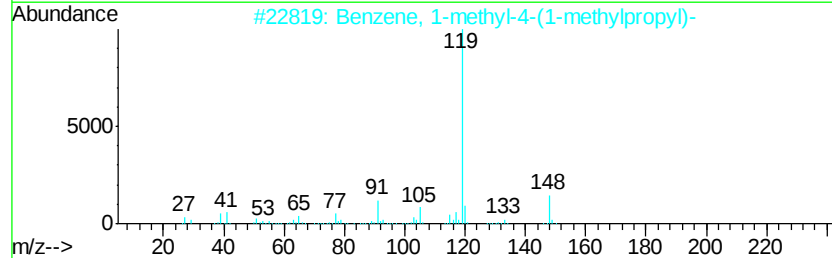
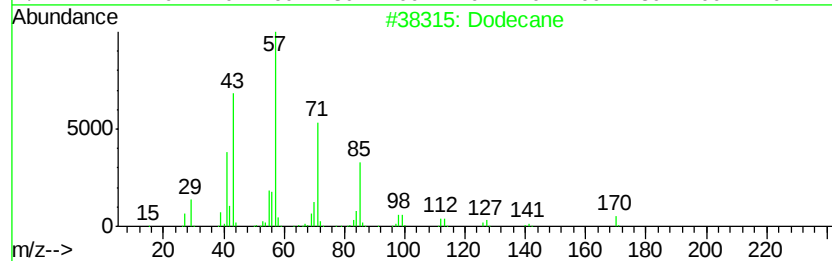
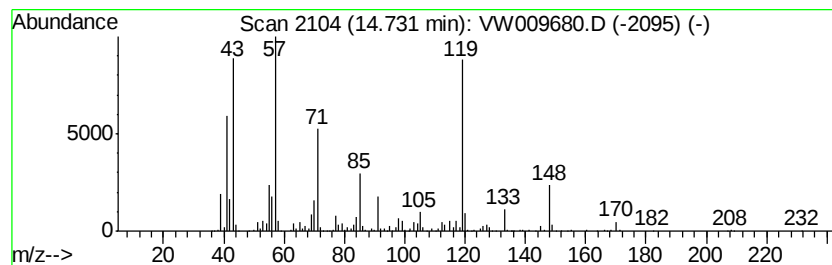
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	13.79 ug/L	556236	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	83
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
3		2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	46
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	42
5		Dodecane	170	C12H26	000112-40-3	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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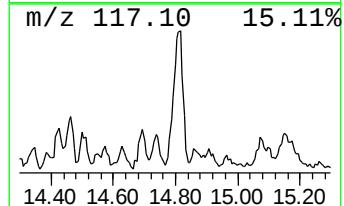
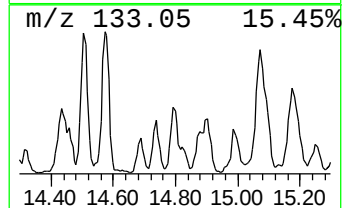
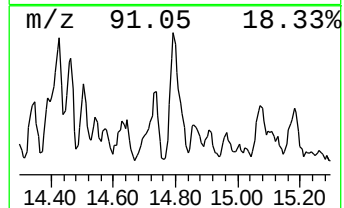
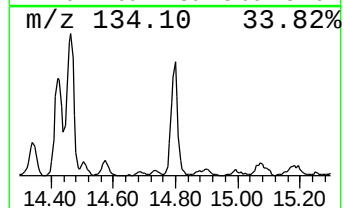
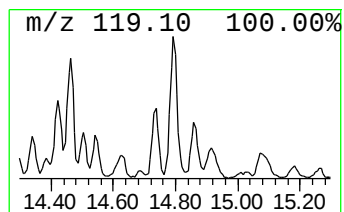
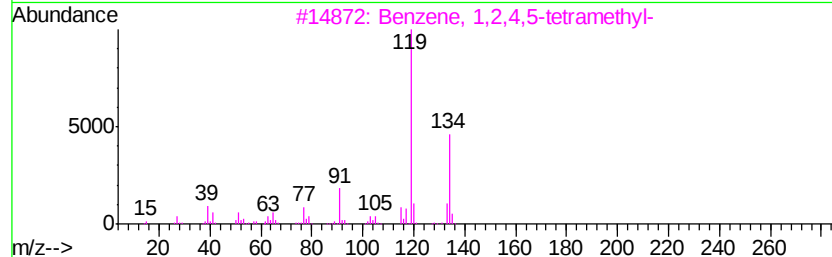
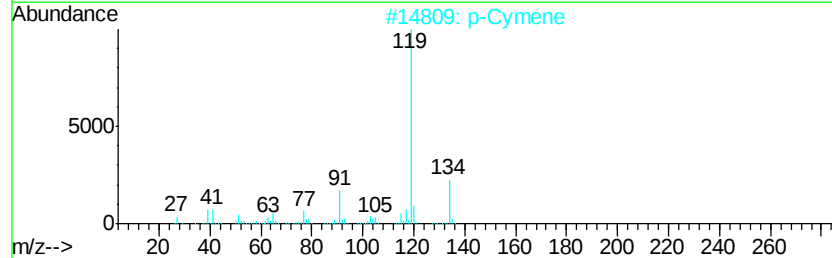
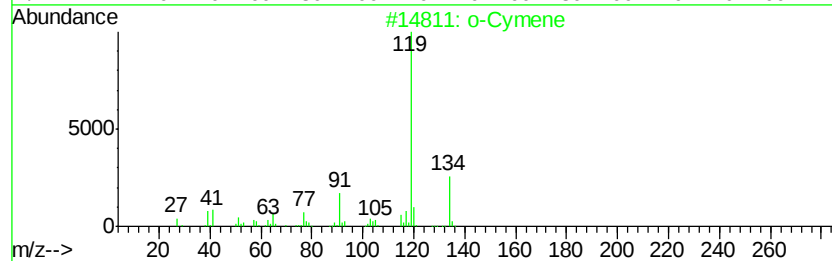
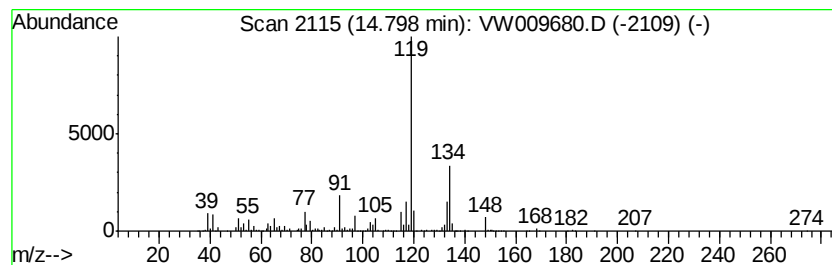
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Quant Title : VOC Analysis

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

Peak Number 35 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	14.56 ug/L	587362	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		p-Cymene	134	C10H14	000099-87-6	93
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

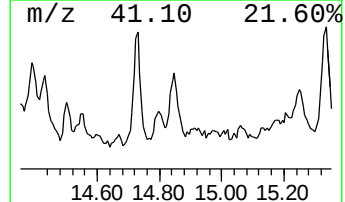
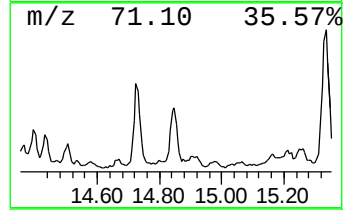
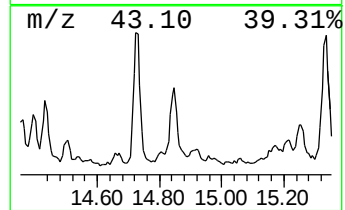
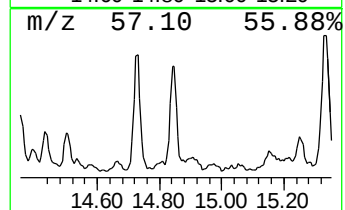
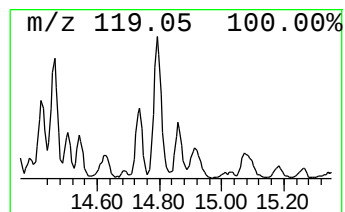
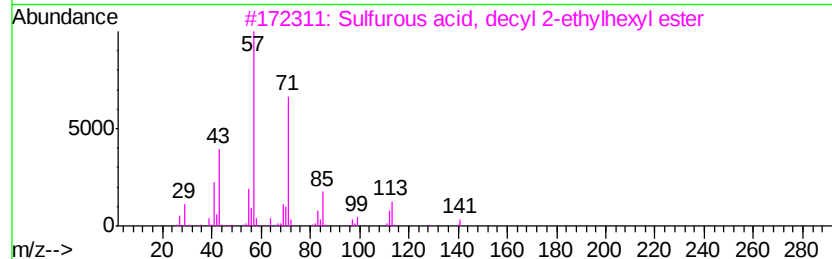
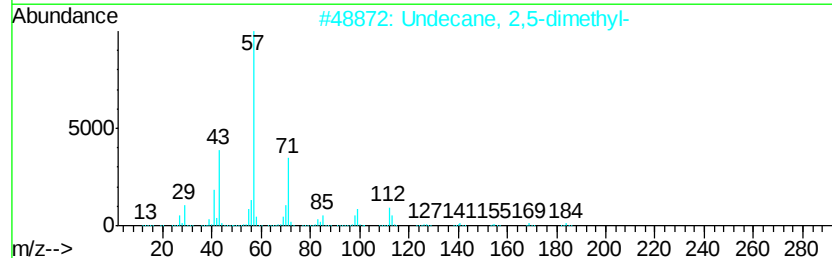
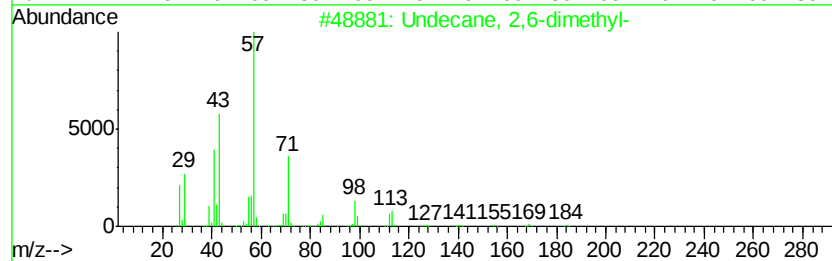
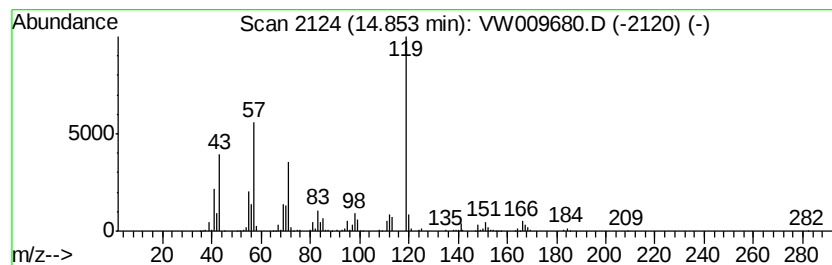
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	7.54 ug/L	304050	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
2			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	58
3			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	53
4			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50
5			Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

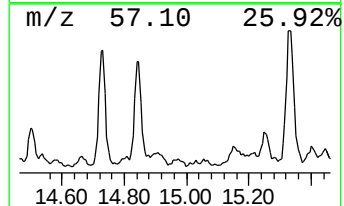
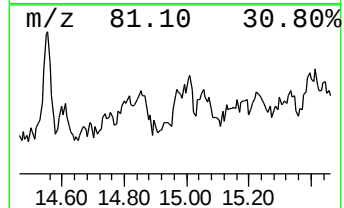
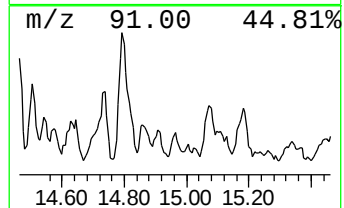
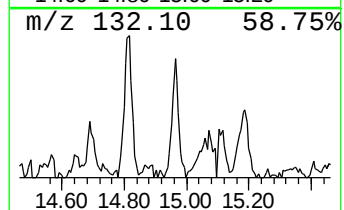
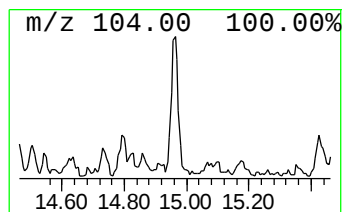
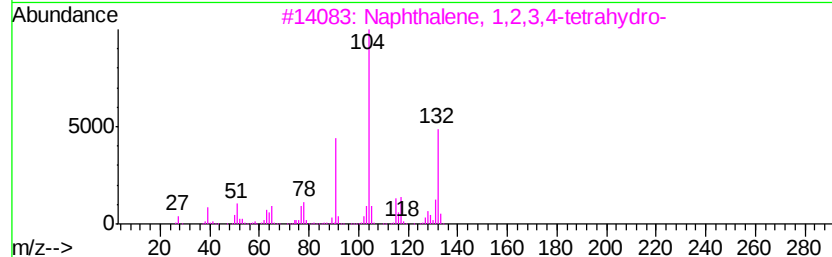
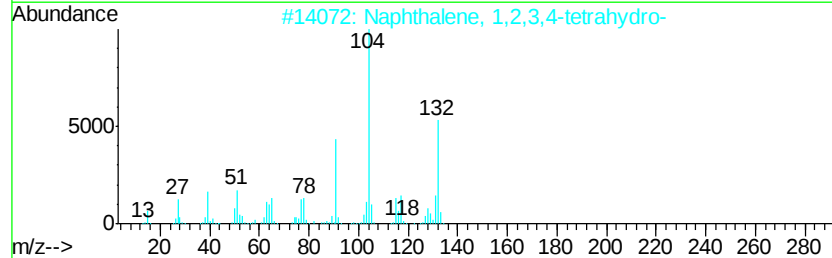
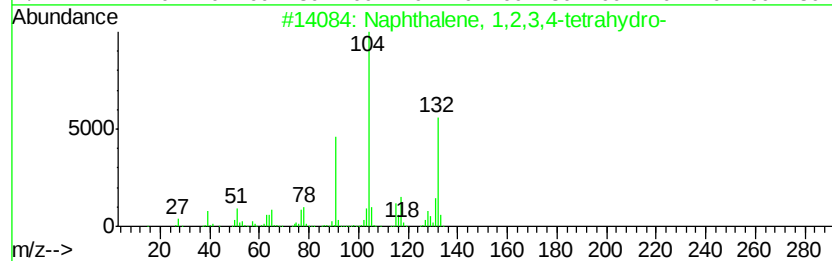
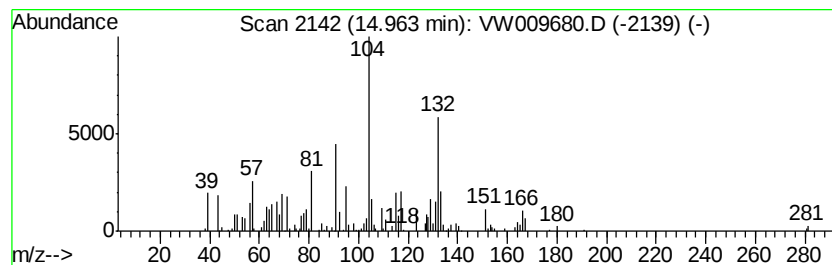
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	1.82 ug/L	73297	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	62
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	58
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	52
5		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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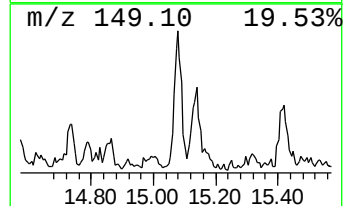
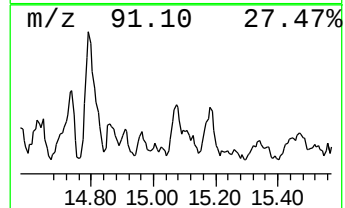
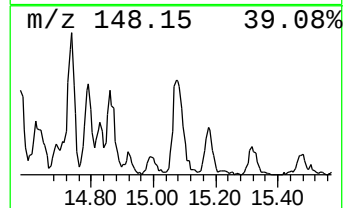
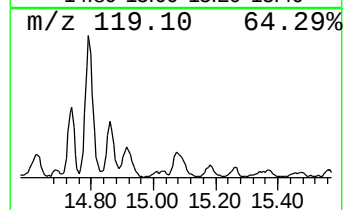
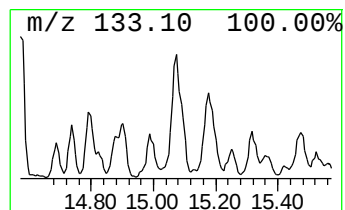
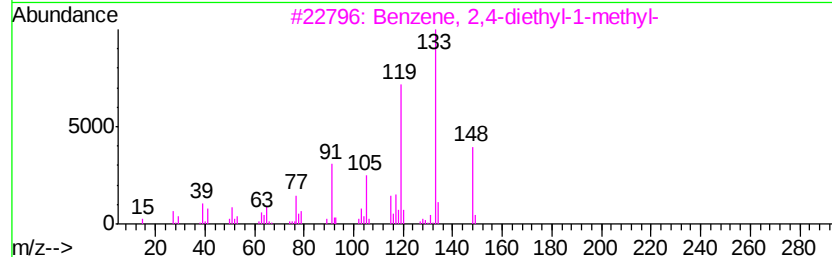
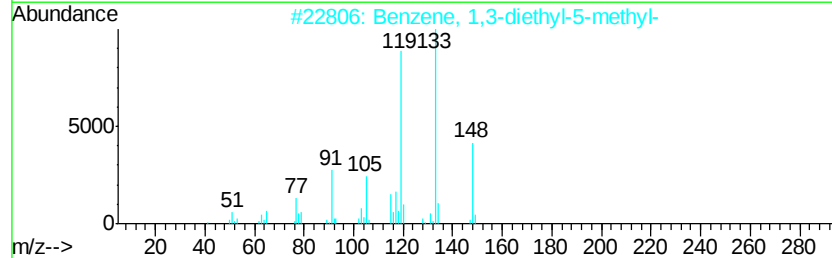
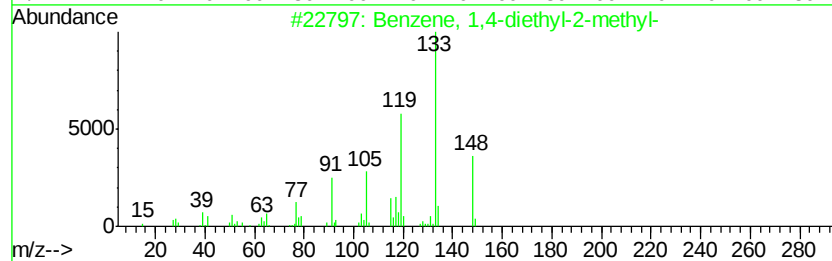
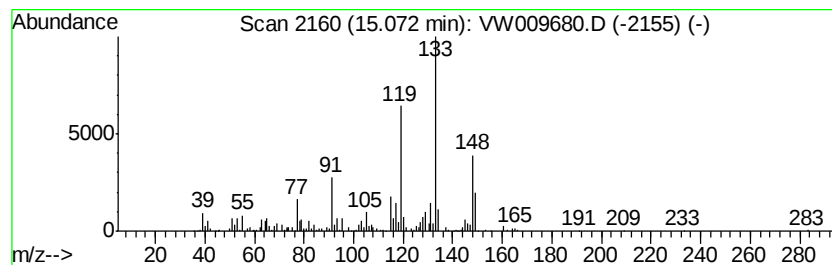
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	5.28 ug/L	213027	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	81
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	81
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

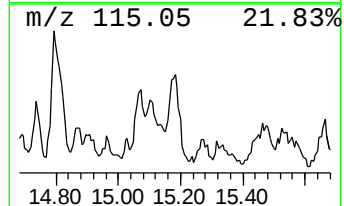
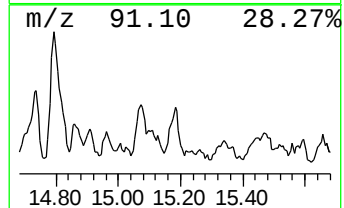
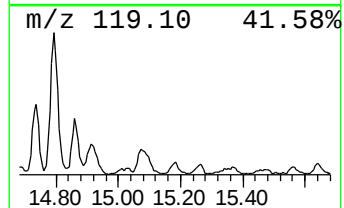
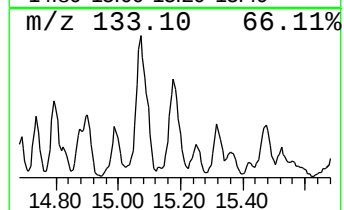
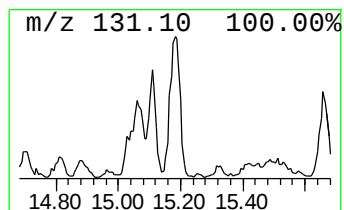
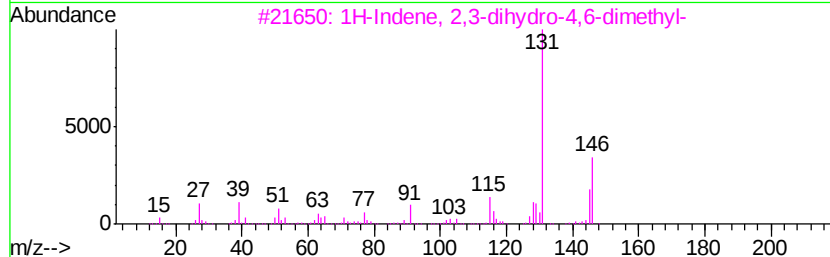
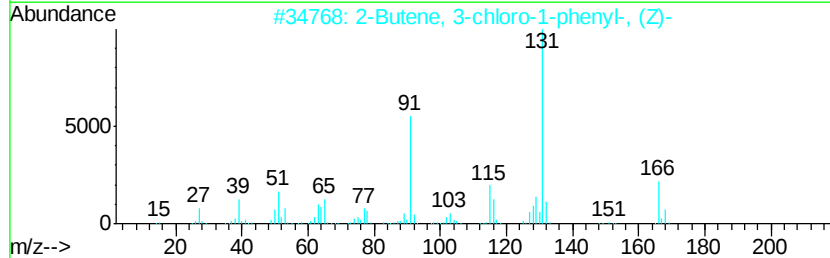
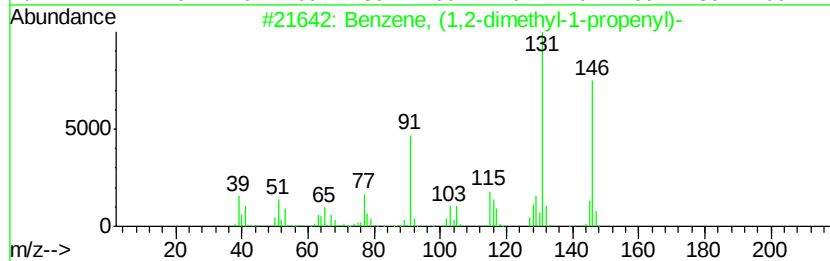
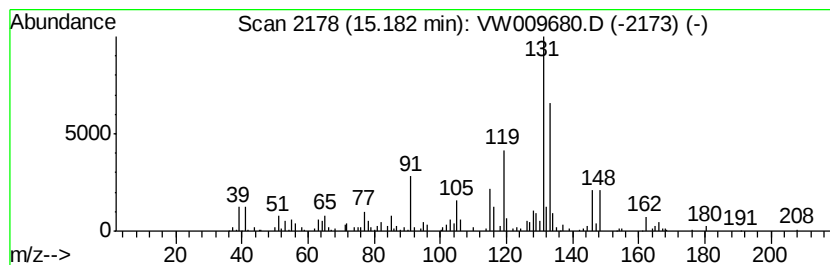
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Quant Title : VOC Analysis

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

Peak Number 39 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	4.68 ug/L	188649	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
2		2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	83
3		1H-Indene, 2,3-dihydro-4,6-dimethyl-	146	C11H14	001685-82-1	55
4		1H-Indene, 2,3-dihydro-1,6-dimethyl-	146	C11H14	017059-48-2	50
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

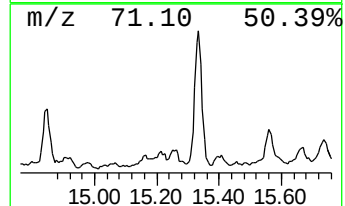
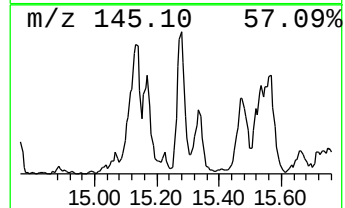
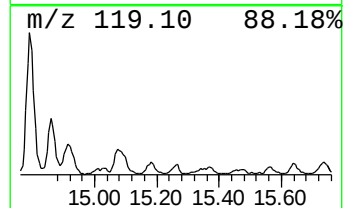
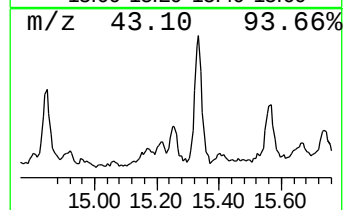
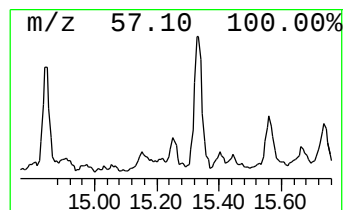
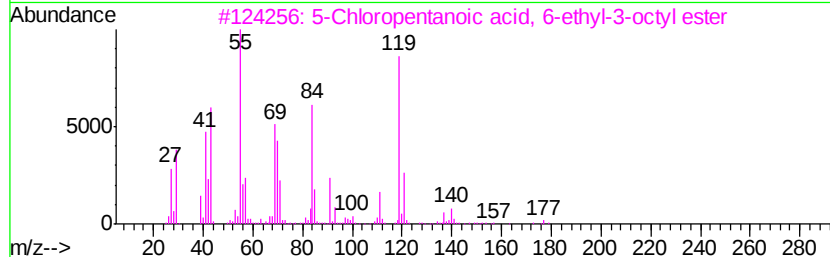
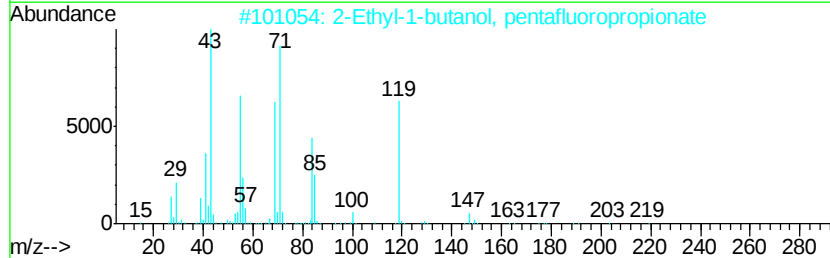
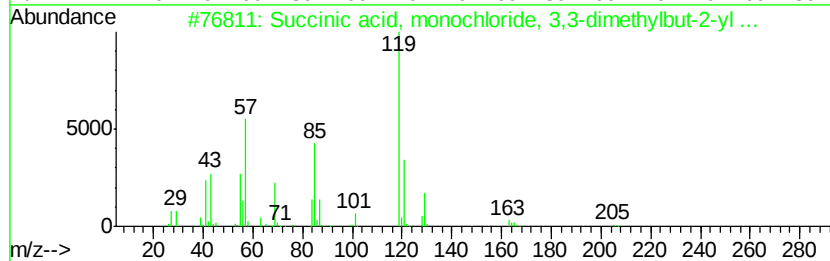
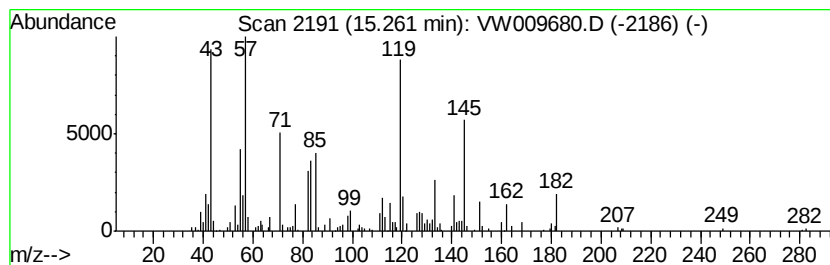
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Quant Title : VOC Analysis

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

Peak Number 40 unknown-07 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.29 ug/L	213190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Succinic acid, monochloride, 3,3...	220	C10H17ClO3	1000349-52-6	27
2			2-Ethyl-1-butanol, pentafluoropr...	248	C9H13F5O2	1000352-36-5	22
3			5-Chloropentanoic acid, 6-ethyl-...	276	C15H29ClO2	1000293-37-9	16
4			1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	14
5			m-Toluic acid, 2-methylphenyl ester	226	C15H14O2	021121-93-7	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

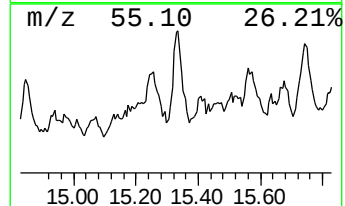
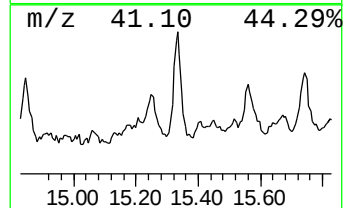
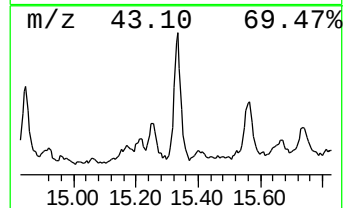
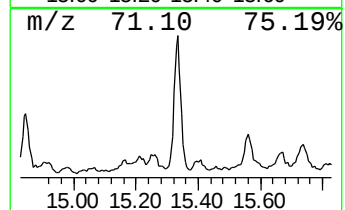
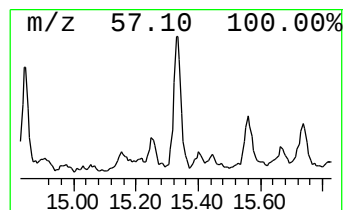
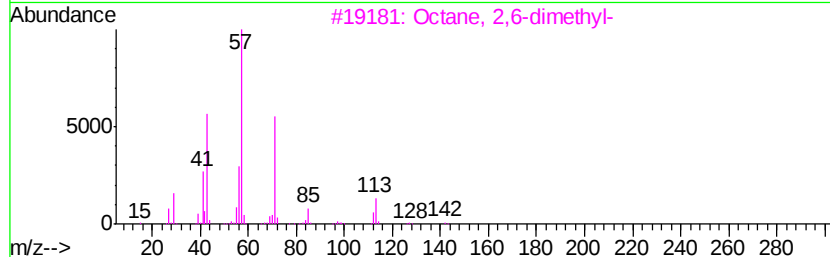
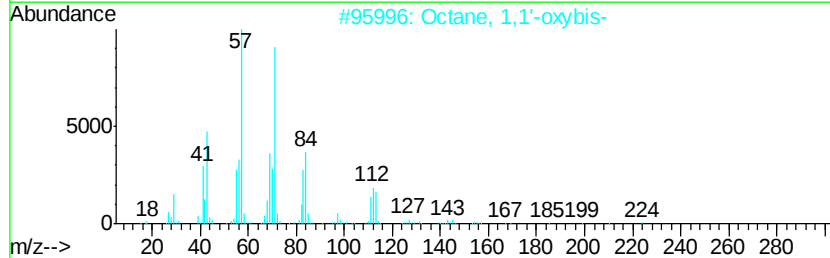
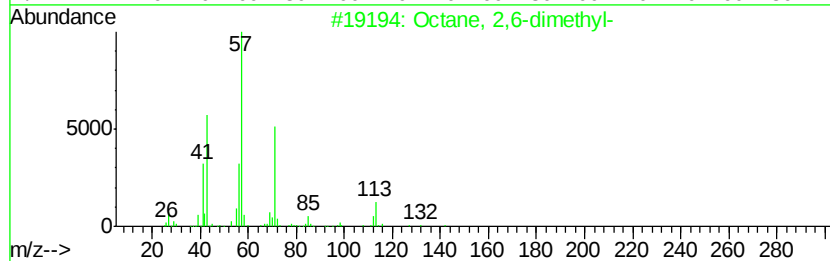
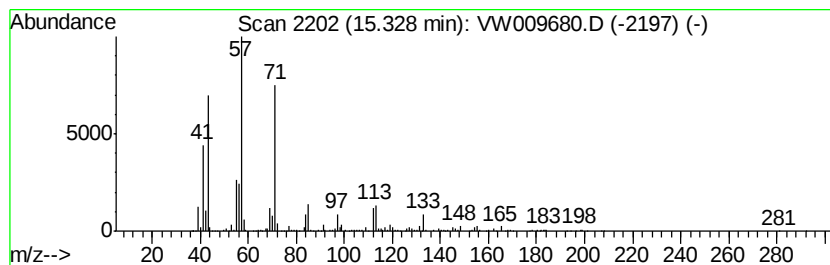
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	12.77 ug/L	515068	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5		Tridecane, 7-methyl-	198	C14H30	026730-14-3	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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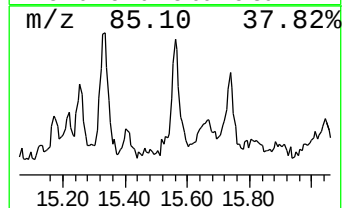
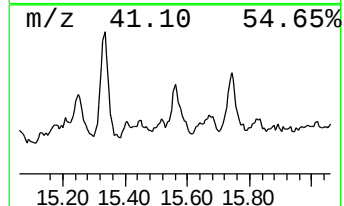
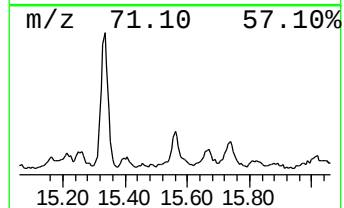
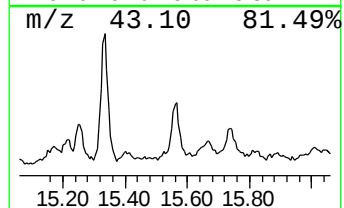
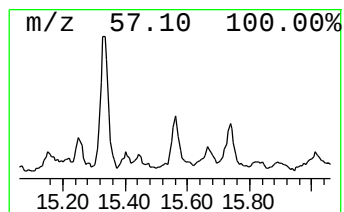
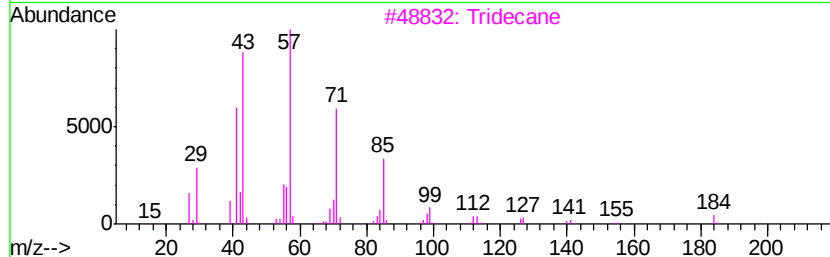
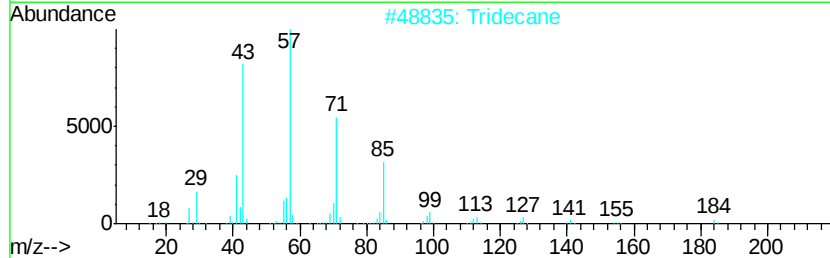
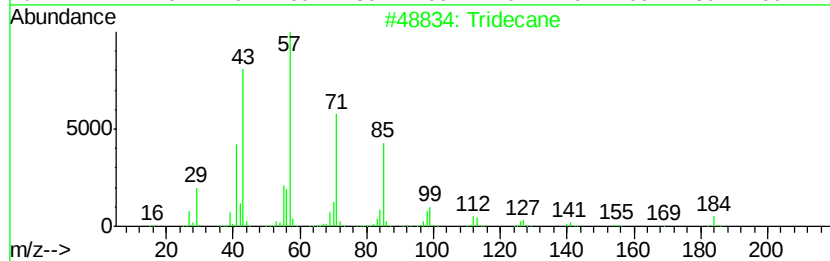
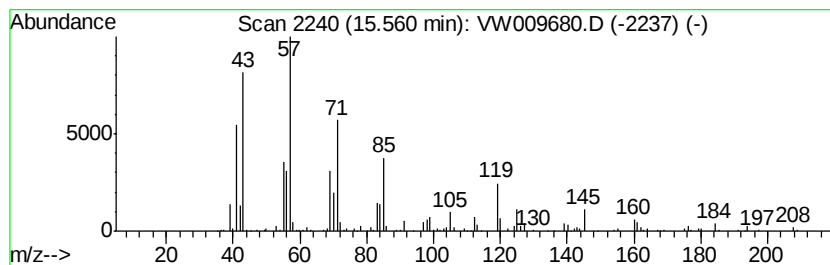
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	7.86 ug/L	316864	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	90
2			Tridecane	184	C13H28	000629-50-5	60
3			Tridecane	184	C13H28	000629-50-5	60
4			Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	52
5			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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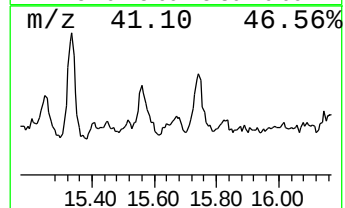
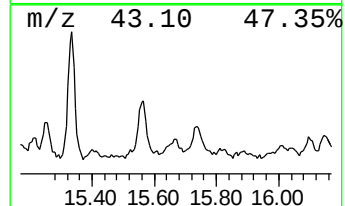
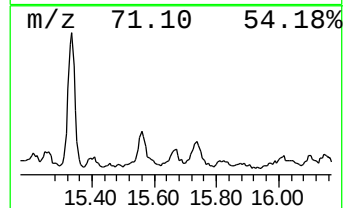
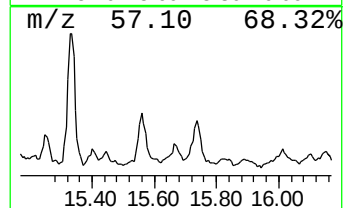
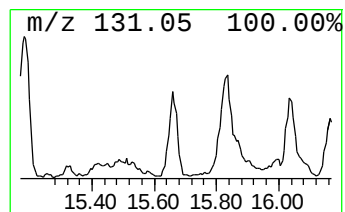
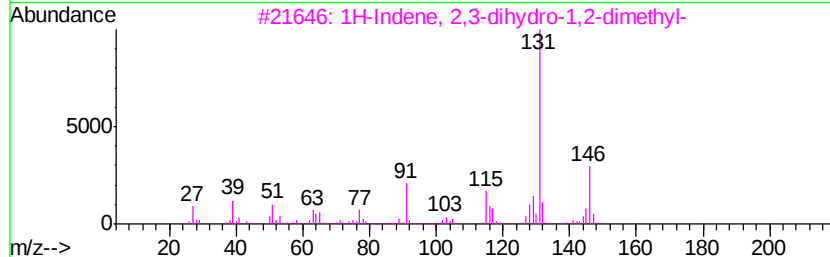
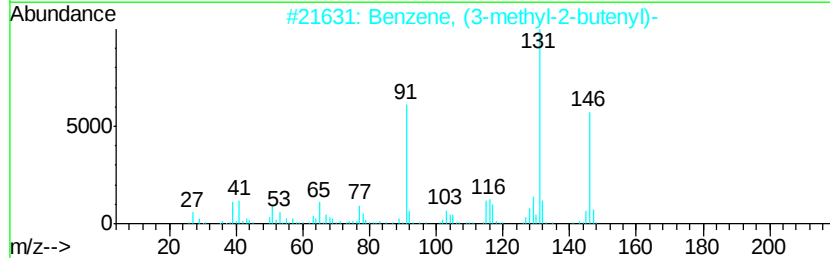
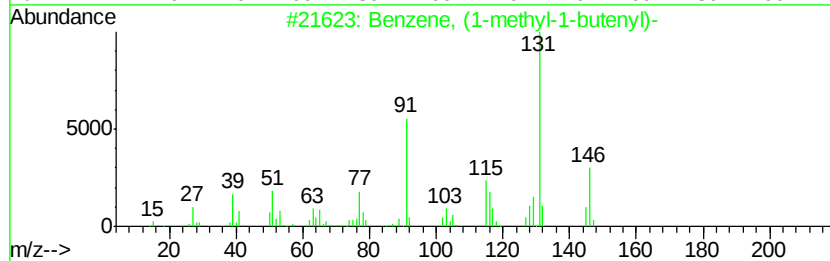
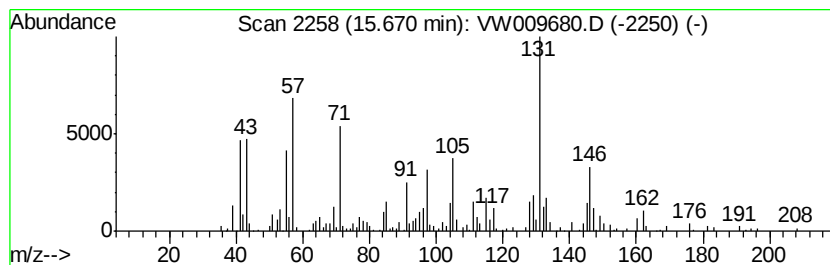
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Quant Title : VOC Analysis

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

Peak Number 43 Benzene, (1-methyl-1-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	6.10 ug/L	246122	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
4		Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	53
5		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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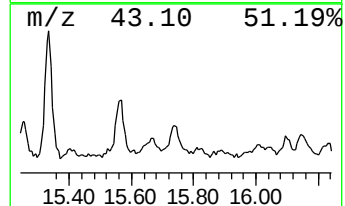
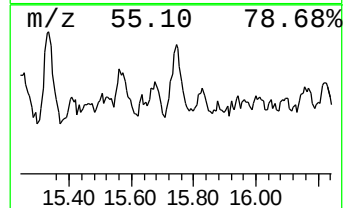
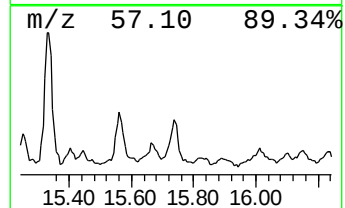
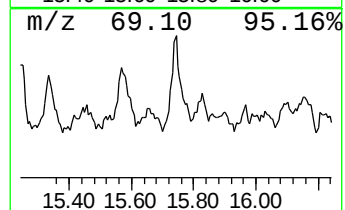
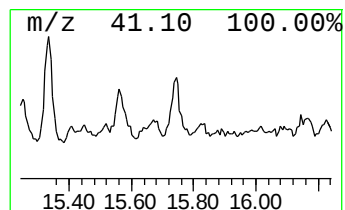
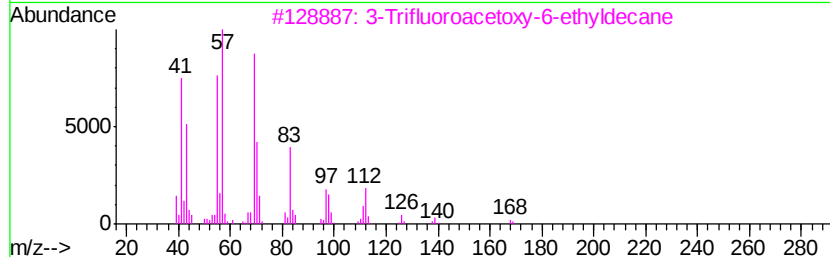
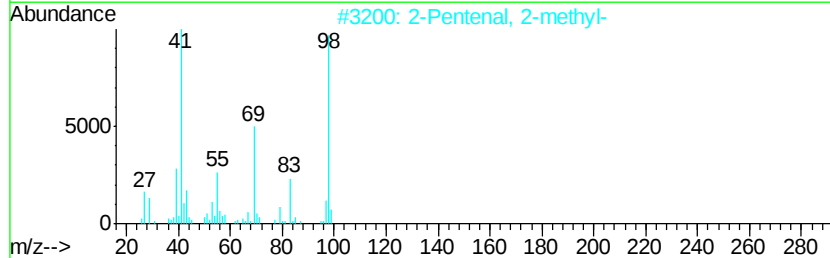
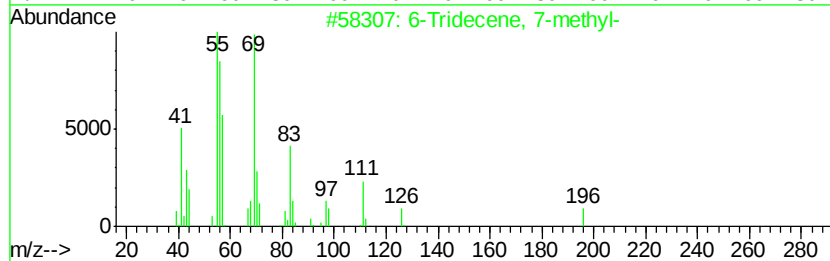
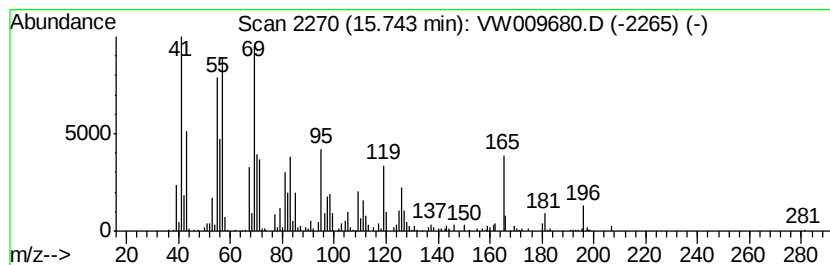
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Cyclic15.74 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	7.23 ug/L	291731	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	38
2		2-Pentenal, 2-methyl-	98	C6H10O	000623-36-9	38
3		3-Trifluoroacetoxy-6-ethyldecane	282	C14H25F3O2	116436-59-0	35
4		3-Tetradecene, (E)-	196	C14H28	041446-68-8	25
5		3-Tetradecene, (E)-	196	C14H28	041446-68-8	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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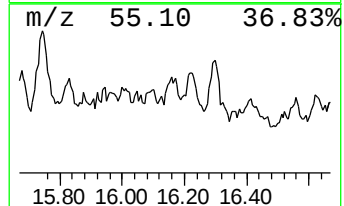
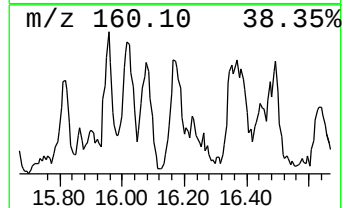
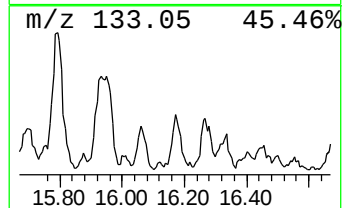
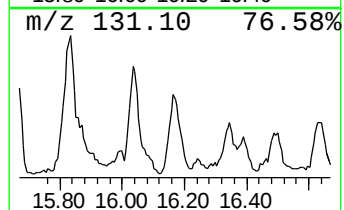
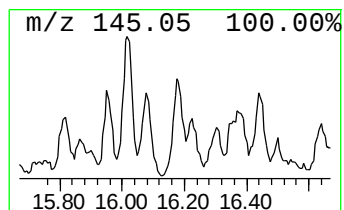
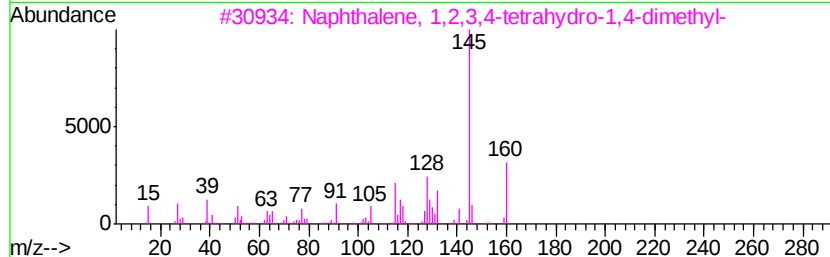
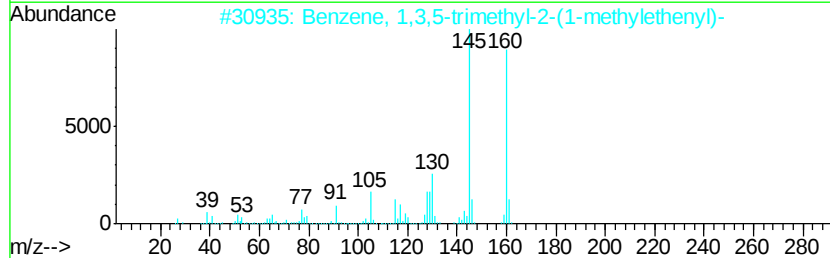
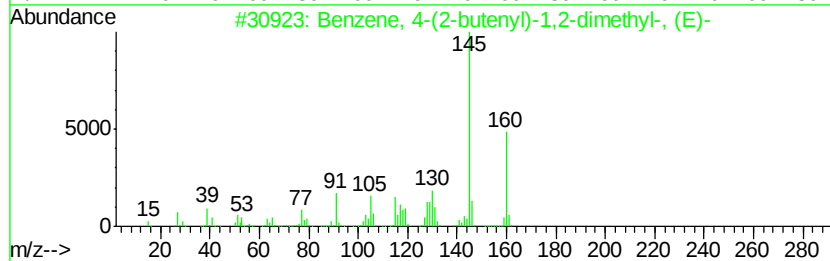
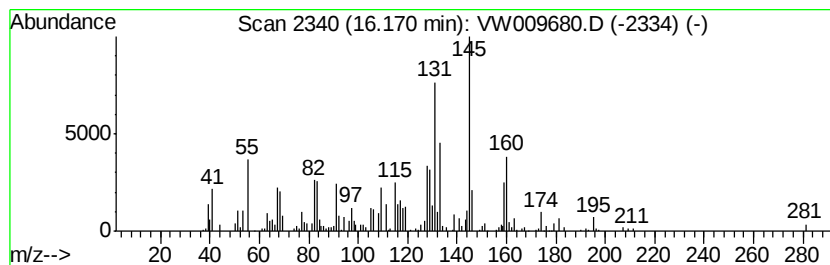
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Quant Title : VOC Analysis

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

Peak Number 45 unknown-08 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	4.72 ug/L	190356	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	43
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	41
4		1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	38
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

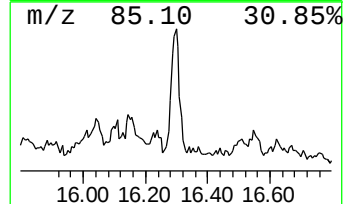
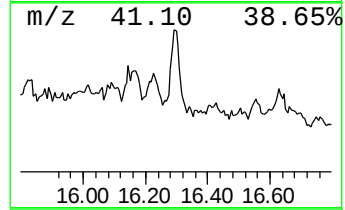
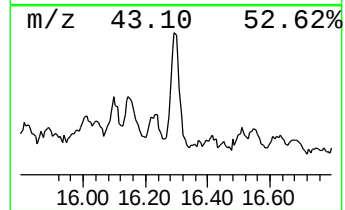
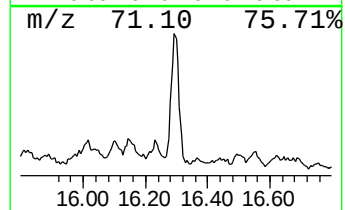
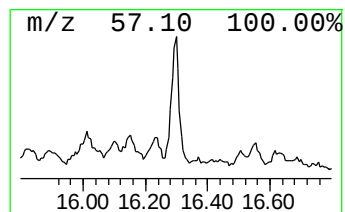
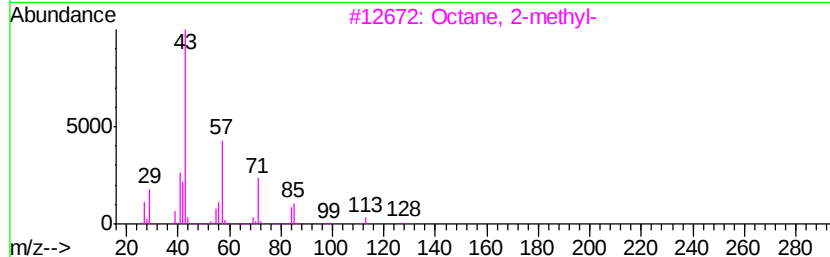
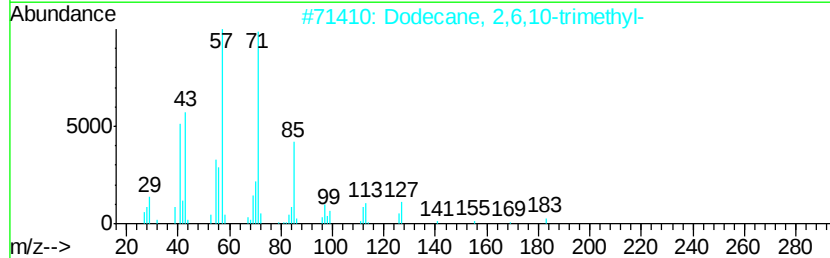
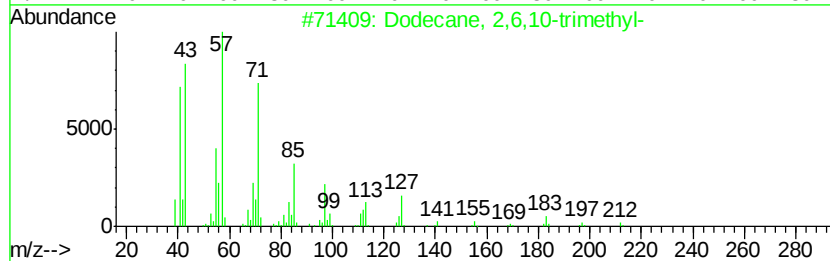
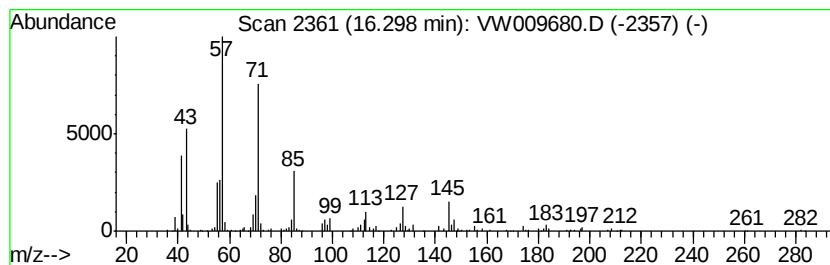
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	5.51 ug/L	222391	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
3			Octane, 2-methyl-	128	C9H20	003221-61-2	80
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF649

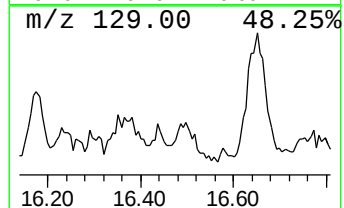
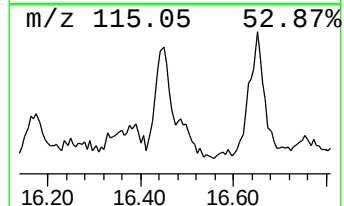
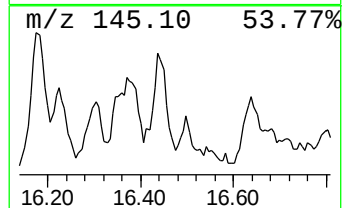
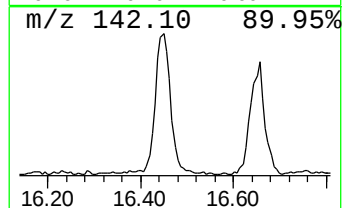
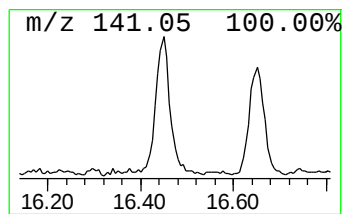
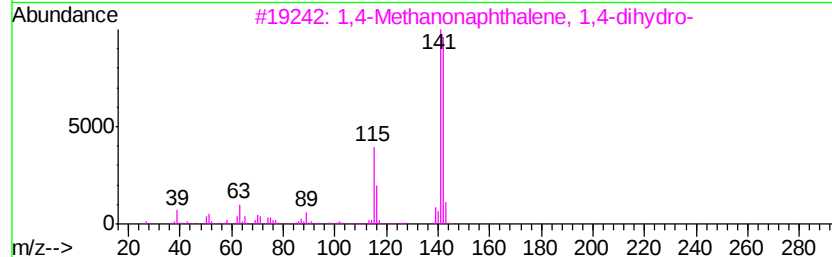
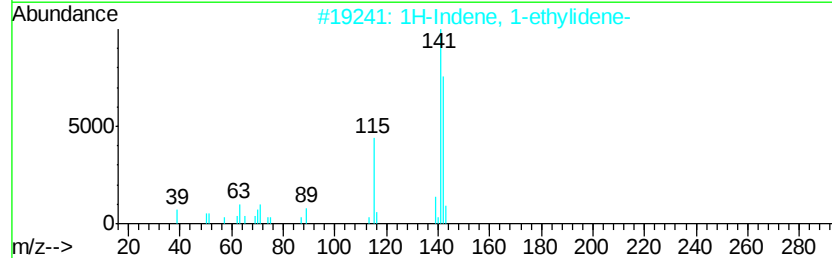
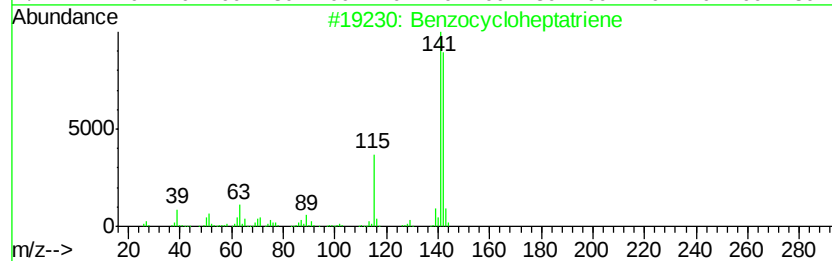
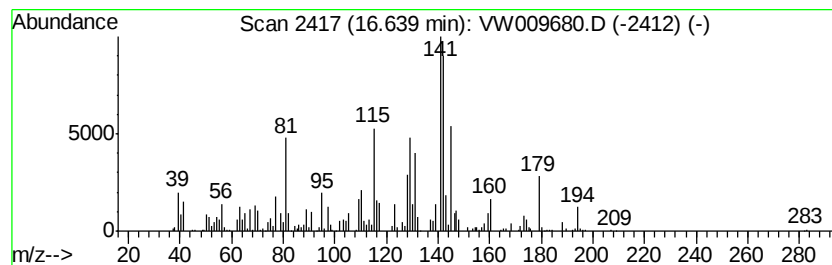
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 47 Benzocycloheptatriene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	10.88 ug/L	438889	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	50
2		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	50
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	46
4		Benzocycloheptatriene	142	C11H10	000264-09-5	45
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	45



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040319\
 Data File : VW009680.D
 Acq On : 04 Apr 2019 02:43
 Operator : SY/VA
 Sample : K2188-02
 Misc : 4.86G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF649

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	3.38	1.7	ug/L	71393	1	8.84	1047870	25.0
(DEL) Alkane: Str...	5.93	1.4	ug/L	59911	1	8.84	1047870	25.0
unknown-01	9.07	1.4	ug/L	57581	1	8.84	1047870	25.0
unknown-02	10.03	5.9	ug/L	249161	1	8.84	1047870	25.0
(DEL) Alkane: Str...	10.10	2.4	ug/L	98757	1	8.84	1047870	25.0
(DEL) Alkane: Str...	10.50	1.4	ug/L	58067	2	11.63	1016990	25.0
(DEL) Alkane: Str...	11.41	2.6	ug/L	107382	2	11.63	1016990	25.0
Heptyl isobutyl c...	11.51	1.3	ug/L	51646	2	11.63	1016990	25.0
(DEL) Alkane: Str...	12.25	1.4	ug/L	58105	2	11.63	1016990	25.0
1H-Indene, octahy...	12.35	4.0	ug/L	160675	2	11.63	1016990	25.0
(DEL) Alkane: Str...	12.57	1.8	ug/L	73225	2	11.63	1016990	25.0
unknown-03	12.62	1.3	ug/L	54129	3	13.56	1008420	25.0
cis-1-Butyl-2-met...	12.78	5.8	ug/L	236104	3	13.56	1008420	25.0
(DEL) Alkane: Cyc...	12.87	4.1	ug/L	166149	3	13.56	1008420	25.0
(DEL) Alkane: Str...	12.93	15.1	ug/L	609767	3	13.56	1008420	25.0
Ethanone, 1-(1-me...	12.99	2.0	ug/L	79680	3	13.56	1008420	25.0
(DEL) Alkane: Cyc...	13.08	3.2	ug/L	128533	3	13.56	1008420	25.0
(DEL) Alkane: Cyc...	13.13	1.7	ug/L	67897	3	13.56	1008420	25.0
(DEL) Alkane: Str...	13.17	7.0	ug/L	281439	3	13.56	1008420	25.0
(DEL) Alkane: Str...	13.29	2.3	ug/L	91213	3	13.56	1008420	25.0
unknown-04	13.38	2.0	ug/L	81498	3	13.56	1008420	25.0
unknown-05	13.69	2.3	ug/L	94104	3	13.56	1008420	25.0
Benzene, 1,4-diet...	13.80	1.4	ug/L	56887	3	13.56	1008420	25.0
Benzene, 2-ethyl-...	14.02	2.8	ug/L	112211	3	13.56	1008420	25.0
1,4-Cyclohexadien...	14.21	11.5	ug/L	462796	3	13.56	1008420	25.0
Adamantane	14.26	10.5	ug/L	422402	3	13.56	1008420	25.0
2,2-Dimethylinden...	14.35	8.3	ug/L	333682	3	13.56	1008420	25.0
(DEL) Alkane: Cyc...	14.40	12.0	ug/L	485767	3	13.56	1008420	25.0
5H-5-Methyl-6,7-d...	14.43	12.4	ug/L	500205	3	13.56	1008420	25.0
Benzene, 1-ethyl-...	14.46	6.3	ug/L	254160	3	13.56	1008420	25.0
Benzene, 2,4-diet...	14.51	6.2	ug/L	250365	3	13.56	1008420	25.0
unknown-06	14.55	6.6	ug/L	267101	3	13.56	1008420	25.0
(DEL) Alkane: Str...	14.73	13.8	ug/L	556236	3	13.56	1008420	25.0
o-Cymene	14.80	14.6	ug/L	587362	3	13.56	1008420	25.0
(DEL) Alkane: Str...	14.85	7.5	ug/L	304050	3	13.56	1008420	25.0
Naphthalene, 1,2,...	14.96	1.8	ug/L	73297	3	13.56	1008420	25.0
Benzene, 1,4-diet...	15.07	5.3	ug/L	213027	3	13.56	1008420	25.0
Benzene, (1,2-dim...	15.18	4.7	ug/L	188649	3	13.56	1008420	25.0
unknown-07	15.26	5.3	ug/L	213190	3	13.56	1008420	25.0
(DEL) Alkane: Str...	15.33	12.8	ug/L	515068	3	13.56	1008420	25.0
(DEL) Alkane: Str...	15.56	7.9	ug/L	316864	3	13.56	1008420	25.0
Benzene, (1-methy...	15.67	6.1	ug/L	246122	3	13.56	1008420	25.0
(DEL) Alkane: Cyc...	15.74	7.2	ug/L	291731	3	13.56	1008420	25.0
unknown-08	16.17	4.7	ug/L	190356	3	13.56	1008420	25.0
(DEL) Alkane: Str...	16.30	5.5	ug/L	222391	3	13.56	1008420	25.0
Benzocycloheptatr...	16.64	10.9	ug/L	438889	3	13.56	1008420	25.0