

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080919\
 Data File : VW011770.D
 Acq On : 08 Aug 2019 12:57
 Operator : SY/VA
 Sample : K4215-01
 Misc : 5.25G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOB4

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\SOM2WLM073019S.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	1.953	6	8	18	rVB5	6075	13415	0.45%	0.065%
2	2.148	34	40	47	rBV3	7303	18410	0.61%	0.089%
3	2.349	64	73	86	rVB	49516	96320	3.20%	0.464%
4	2.495	92	97	101	rVV2	4336	8197	0.27%	0.040%
5	2.623	114	118	127	rVB7	3065	7053	0.23%	0.034%
6	2.885	153	161	172	rBV	35822	85017	2.82%	0.410%
7	3.861	312	321	334	rVV3	10000	30688	1.02%	0.148%
8	4.013	335	346	358	rVV	74485	226357	7.51%	1.091%
9	4.123	358	364	378	rVB2	7720	24799	0.82%	0.120%
10	4.373	395	405	414	rBV8	2684	8849	0.29%	0.043%
11	4.916	483	494	509	rBV3	4852	17343	0.58%	0.084%
12	5.934	656	661	672	rVB6	2792	7416	0.25%	0.036%
13	6.299	715	721	733	rVB10	3444	11677	0.39%	0.056%
14	6.738	782	793	801	rBV7	2660	8868	0.29%	0.043%
15	6.903	810	820	827	rBV3	7017	22542	0.75%	0.109%
16	7.074	839	848	854	rBV	48350	137397	4.56%	0.662%
17	7.165	854	863	886	rVB	466730	1313826	43.59%	6.335%
18	7.647	931	942	951	rBV	110936	271070	8.99%	1.307%
19	8.275	1033	1045	1059	rBV2	225246	697843	23.15%	3.365%
20	8.714	1107	1117	1123	rBV8	6612	18967	0.63%	0.091%
21	8.842	1124	1138	1147	rVV	236151	488397	16.20%	2.355%
22	9.031	1161	1169	1174	rVV2	11786	27110	0.90%	0.131%
23	9.092	1174	1179	1187	rVB5	8071	17817	0.59%	0.086%
24	9.275	1200	1209	1218	rBV	156737	319226	10.59%	1.539%
25	10.037	1327	1334	1341	rBV	59406	106516	3.53%	0.514%
26	10.213	1357	1363	1373	rBV3	15221	33642	1.12%	0.162%
27	10.323	1373	1381	1387	rVV	230968	398378	13.22%	1.921%
28	10.384	1387	1391	1398	rVB	23506	42646	1.41%	0.206%
29	10.506	1403	1411	1417	rVB2	16750	28776	0.95%	0.139%
30	10.579	1417	1423	1433	rBV2	37532	71120	2.36%	0.343%
31	10.707	1439	1444	1450	rVB	16223	28622	0.95%	0.138%
32	10.927	1473	1480	1490	rBV	123710	214325	7.11%	1.033%
33	11.067	1492	1503	1507	rBV2	22792	42083	1.40%	0.203%
34	11.177	1516	1521	1525	rBV3	13530	21936	0.73%	0.106%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Title : VOC Analysis

35	11.231	1525	1530	1536	rVB2	10451	17070	0.57%	0.082%
36	11.341	1541	1548	1551	rBV5	9732	21511	0.71%	0.104%
37	11.414	1551	1560	1568	rBV8	29568	113703	3.77%	0.548%
38	11.512	1571	1576	1589	rVB2	42118	118042	3.92%	0.569%
39	11.628	1590	1595	1606	rVB	177311	325753	10.81%	1.571%
40	11.731	1608	1612	1615	rBV	18924	27155	0.90%	0.131%
41	11.762	1615	1617	1620	rVB	7582	8342	0.28%	0.040%
42	11.841	1620	1630	1639	rBV3	477750	887028	29.43%	4.277%
43	11.920	1639	1643	1648	rVB2	49550	84868	2.82%	0.409%
44	11.975	1648	1652	1659	rBV5	9014	21719	0.72%	0.105%
45	12.061	1660	1666	1671	rVB2	21144	40891	1.36%	0.197%
46	12.140	1671	1679	1690	rBV4	122781	361204	11.98%	1.742%
47	12.256	1690	1698	1702	rVB	134367	212760	7.06%	1.026%
48	12.304	1702	1706	1708	rBV2	39092	66077	2.19%	0.319%
49	12.384	1708	1719	1727	rVB6	140877	461261	15.30%	2.224%
50	12.463	1727	1732	1734	rBV4	28981	50825	1.69%	0.245%
51	12.512	1735	1740	1741	rVV2	55141	83831	2.78%	0.404%
52	12.542	1741	1745	1747	rVV	131467	213360	7.08%	1.029%
53	12.567	1747	1749	1755	rVB	135734	165420	5.49%	0.798%
54	12.652	1759	1763	1766	rBV	112922	140226	4.65%	0.676%
55	12.695	1766	1770	1775	rVB	115675	182750	6.06%	0.881%
56	12.749	1775	1779	1780	rBV3	19628	24258	0.80%	0.117%
57	12.780	1780	1784	1791	rVB5	93060	184746	6.13%	0.891%
58	12.865	1791	1798	1801	rBV4	99926	199868	6.63%	0.964%
59	12.932	1801	1809	1815	rBV	1594844	2599171	86.24%	12.532%
60	12.993	1815	1819	1824	rVB2	134936	224394	7.45%	1.082%
61	13.079	1824	1833	1837	rBV	111795	241383	8.01%	1.164%
62	13.127	1837	1841	1843	rVV3	82862	138197	4.59%	0.666%
63	13.164	1843	1847	1855	rVV	354801	595307	19.75%	2.870%
64	13.256	1855	1862	1865	rVV2	69349	140179	4.65%	0.676%
65	13.292	1865	1868	1873	rVV	63602	92797	3.08%	0.447%
66	13.347	1873	1877	1880	rVV	91361	140115	4.65%	0.676%
67	13.377	1880	1882	1885	rVV2	45387	52993	1.76%	0.256%
68	13.445	1885	1893	1897	rVV4	251611	619744	20.56%	2.988%
69	13.487	1897	1900	1903	rVV	226872	338838	11.24%	1.634%
70	13.518	1903	1905	1908	rVV2	165098	231174	7.67%	1.115%
71	13.554	1908	1911	1915	rVV2	314558	453977	15.06%	2.189%

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72	13.591	1915	1917	1919	rVV3	82664	111116	3.69%	0.536%
73	13.621	1919	1922	1928	rVB	235979	366193	12.15%	1.766%
74	13.694	1929	1934	1939	rBV5	63083	135876	4.51%	0.655%
75	13.871	1957	1963	1969	rBV	2032055	3013965	100.00%	14.532%
76	13.920	1969	1971	1975	rVB2	81987	98533	3.27%	0.475%
77	14.036	1984	1990	1993	rBV3	90681	190012	6.30%	0.916%
78	14.133	2003	2006	2011	rVB2	113636	175521	5.82%	0.846%
79	14.200	2012	2017	2023	rVV7	59014	128340	4.26%	0.619%
80	14.261	2023	2027	2034	rVV5	65475	153024	5.08%	0.738%
81	14.389	2034	2048	2052	rVV5	229820	674752	22.39%	3.253%
82	14.432	2052	2055	2062	rVV4	92247	158271	5.25%	0.763%
83	14.499	2062	2066	2070	rVV2	80738	114798	3.81%	0.553%
84	14.548	2070	2074	2080	rVB4	60755	99684	3.31%	0.481%
85	14.603	2080	2083	2087	rBV4	12081	17339	0.58%	0.084%
86	14.646	2087	2090	2094	rVB3	21287	29714	0.99%	0.143%
87	14.725	2094	2103	2109	rVB3	163013	260721	8.65%	1.257%
88	14.792	2109	2114	2121	rBV3	40966	94674	3.14%	0.456%
89	14.963	2138	2142	2148	rVB	12957	23274	0.77%	0.112%
90	15.072	2156	2160	2164	rVB4	5896	8628	0.29%	0.042%
91	15.176	2173	2177	2182	rVB5	5962	10451	0.35%	0.050%
92	15.255	2185	2190	2197	rVB9	5985	15798	0.52%	0.076%
93	15.328	2197	2202	2205	rBV5	7196	13069	0.43%	0.063%
94	15.371	2205	2209	2213	rVB	8303	13948	0.46%	0.067%
95	15.438	2215	2220	2226	rBV2	14227	24395	0.81%	0.118%
96	15.499	2226	2230	2234	rVV	7192	11699	0.39%	0.056%
97	15.560	2235	2240	2248	rVB3	9768	17872	0.59%	0.086%
98	16.444	2380	2385	2389	rBV4	5026	9971	0.33%	0.048%
99	16.499	2391	2394	2398	rVB6	3630	5199	0.17%	0.025%
100	16.651	2411	2419	2427	rVB6	5191	16118	0.53%	0.078%

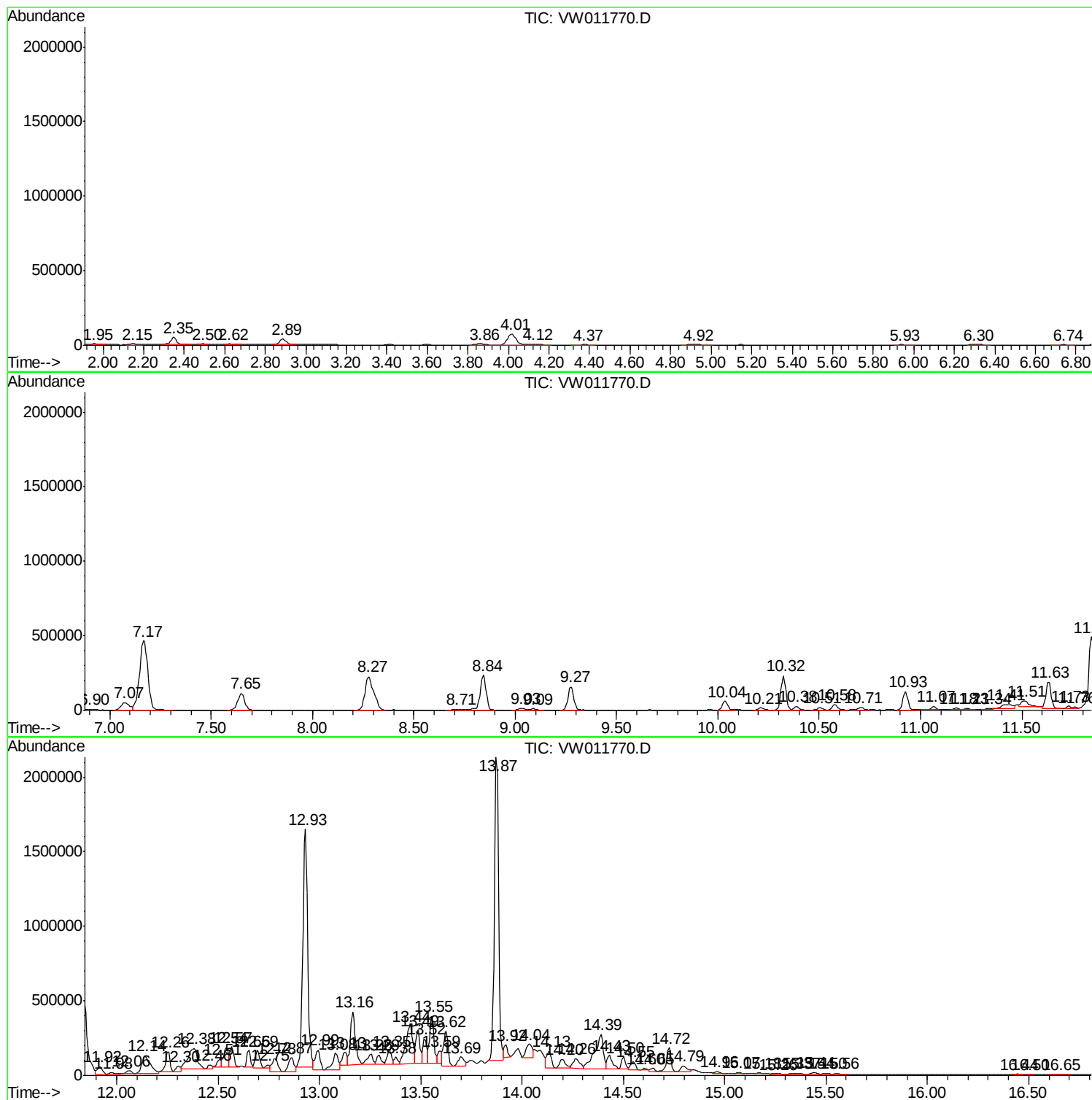
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MSVOA_W
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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



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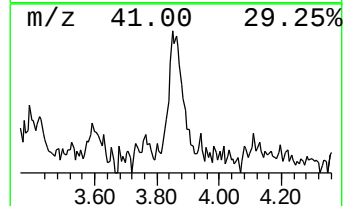
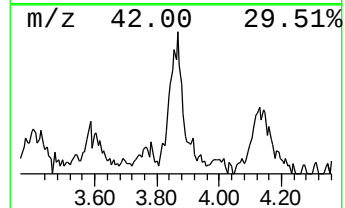
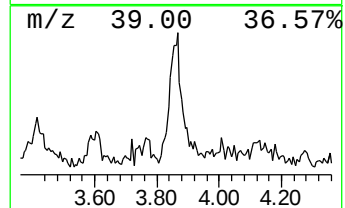
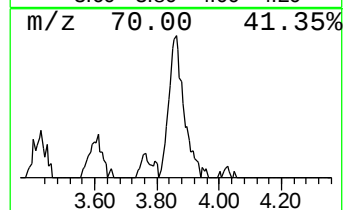
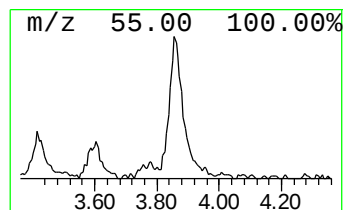
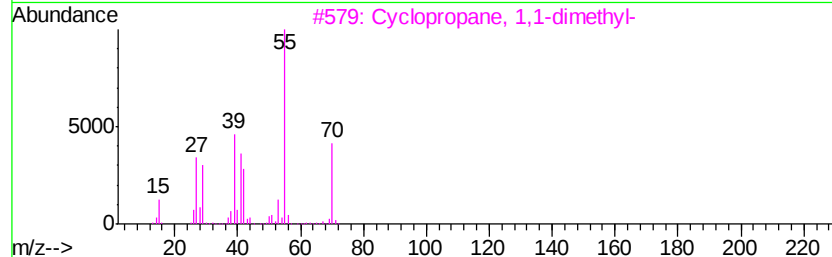
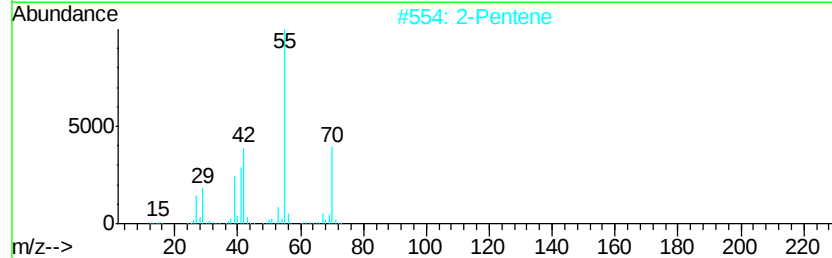
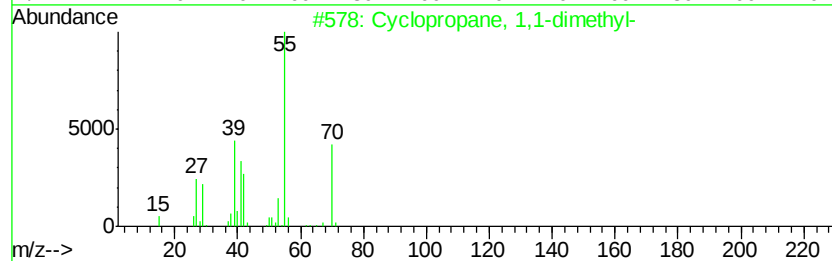
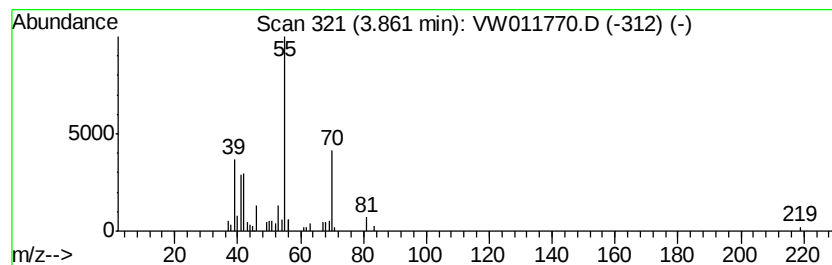
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Cyclic3.86 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	1.57 ug/L	30688	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	64
2		2-Pentene	70	C5H10	000109-68-2	64
3		Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	64
4		2-Butene, 2-methyl-	70	C5H10	000513-35-9	64
5		2-Methyl-1-butene	70	C5H10	000563-46-2	64



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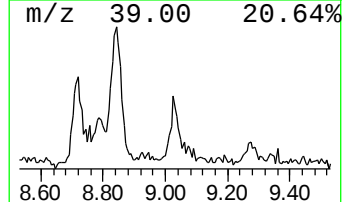
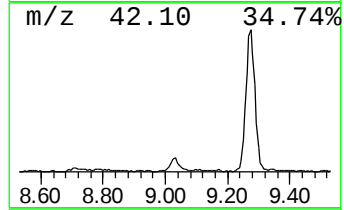
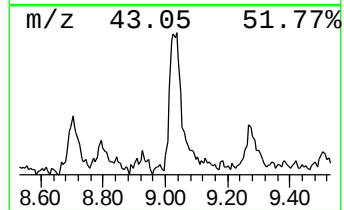
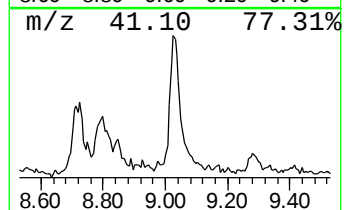
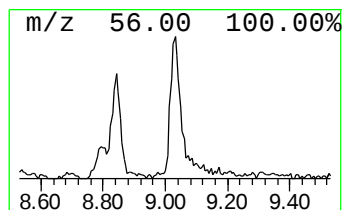
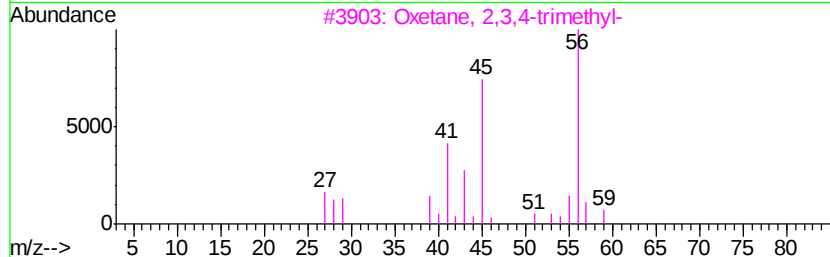
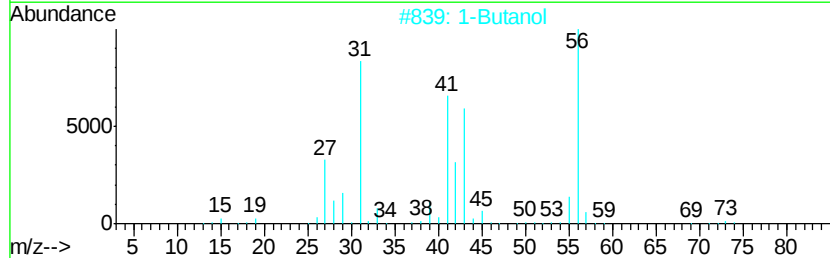
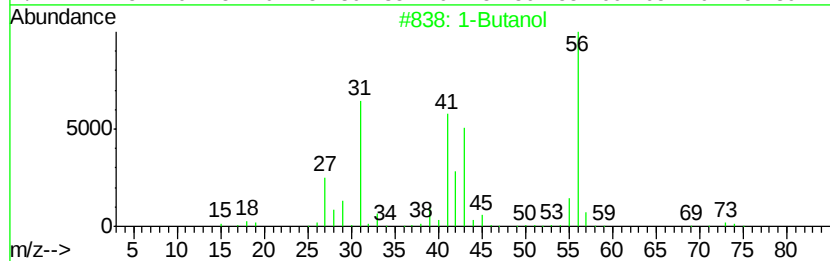
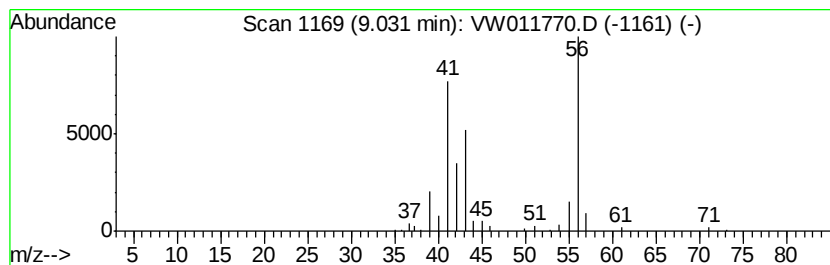
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Quant Title : VOC Analysis

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

Peak Number 2 1-Butanol Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	1.39 ug/L	27110	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Butanol	74	C4H10O	000071-36-3	72
2			1-Butanol	74	C4H10O	000071-36-3	40
3			Oxetane, 2,3,4-trimethyl-	100	C6H12O	053778-61-3	40
4			1-Butanol	74	C4H10O	000071-36-3	40
5			1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	39



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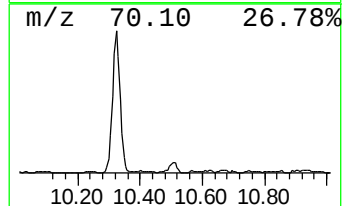
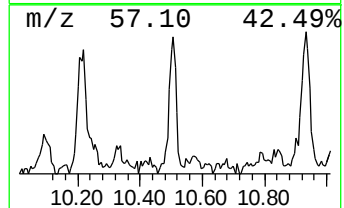
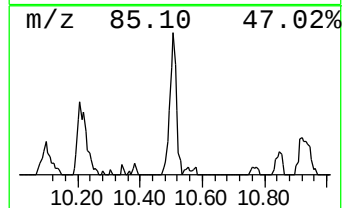
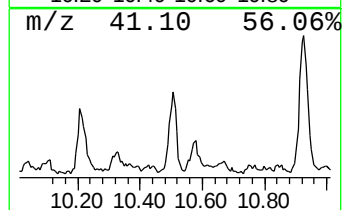
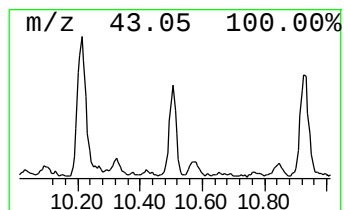
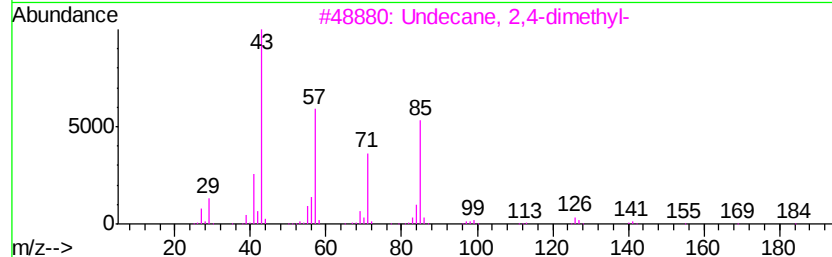
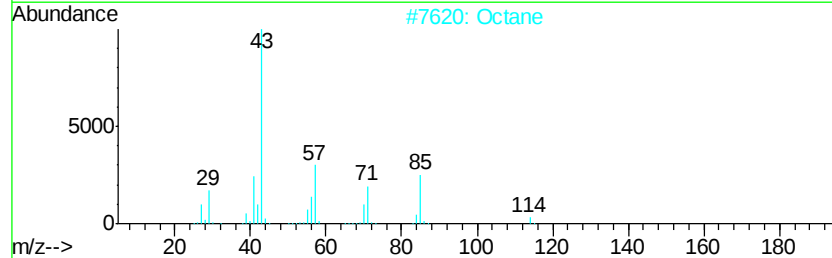
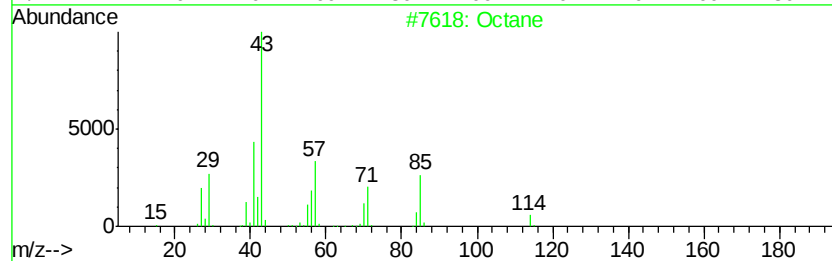
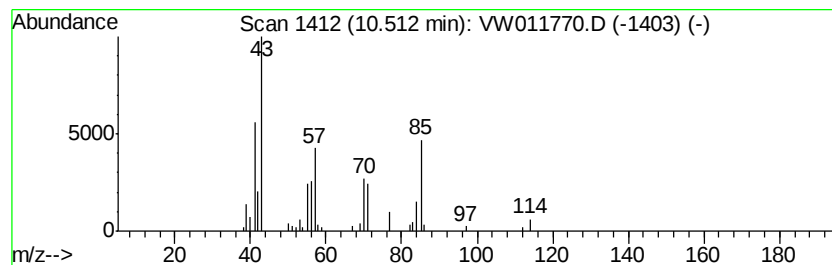
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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	2.21 ug/L	28776	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	87
2		Octane	114	C8H18	000111-65-9	58
3		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

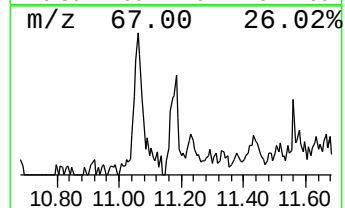
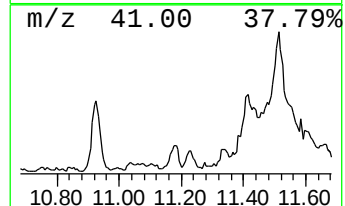
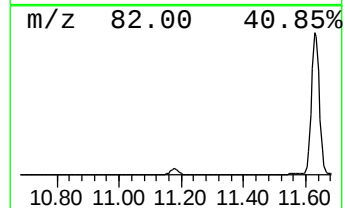
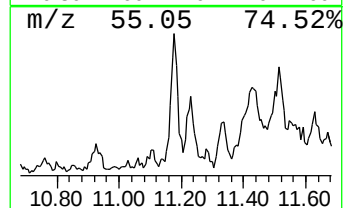
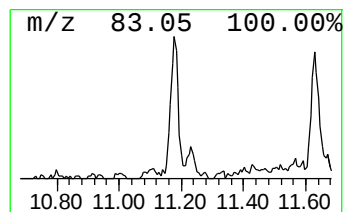
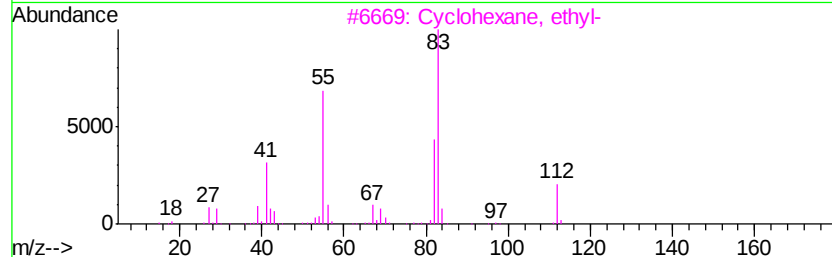
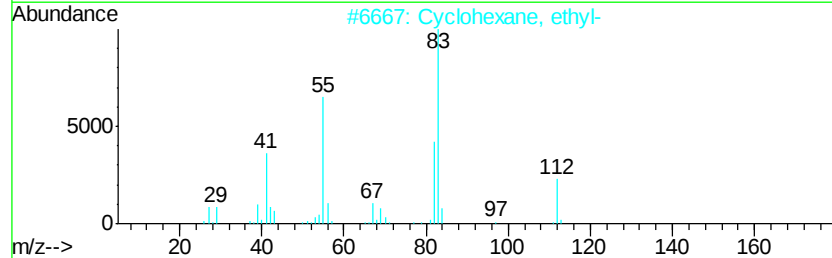
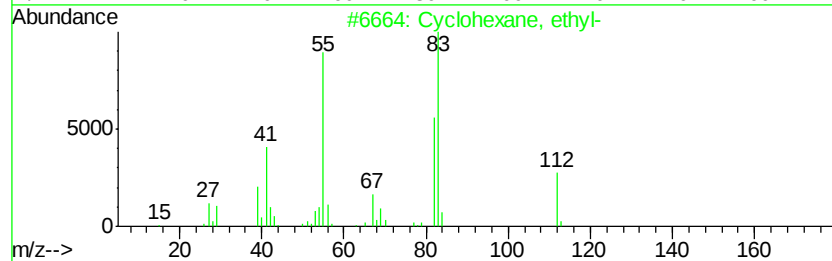
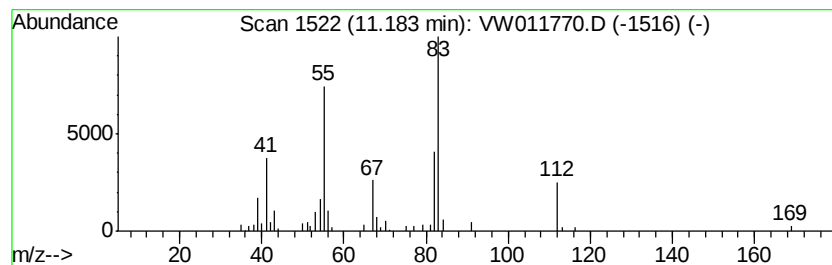
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ClientSampleId :
ETOB4

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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic11.18 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.18	1.68 ug/L	21936	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cvclohexane, ethyl-	112	C8H16	001678-91-7	90
3		Cvclohexane, ethyl-	112	C8H16	001678-91-7	86
4		trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	62
5		2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

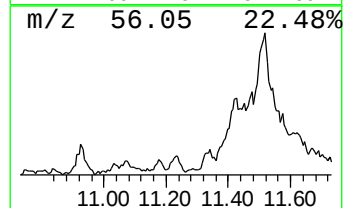
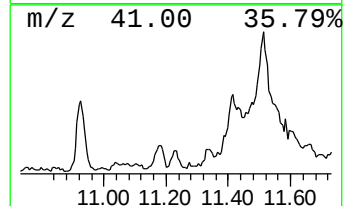
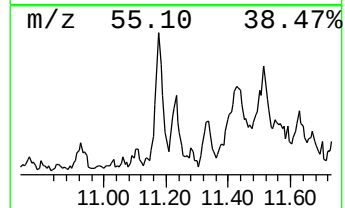
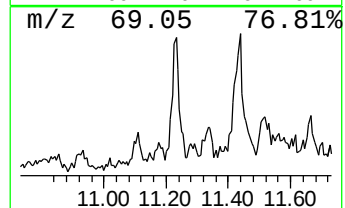
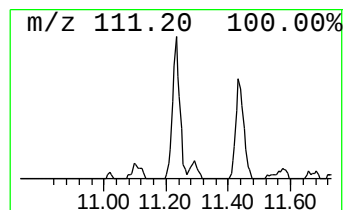
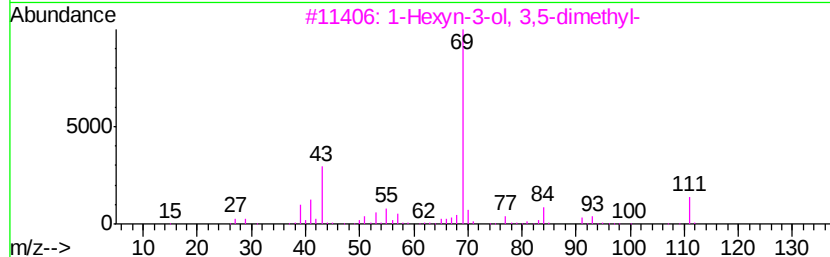
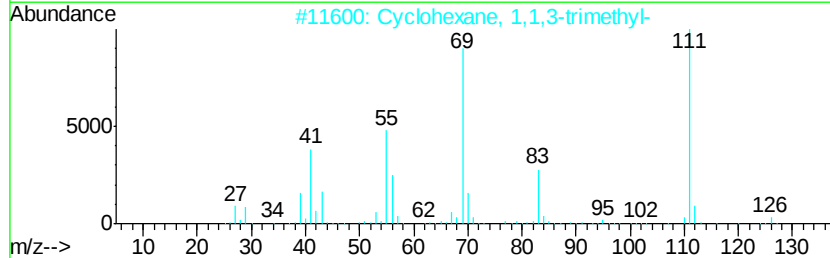
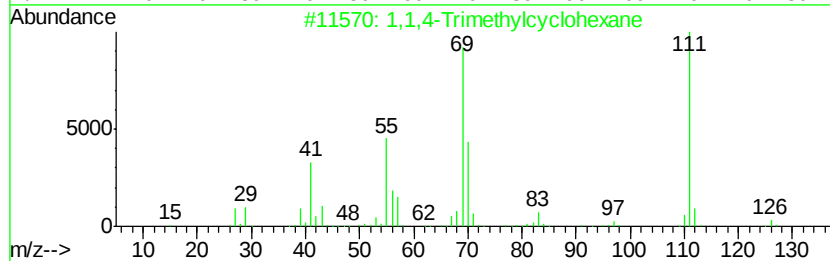
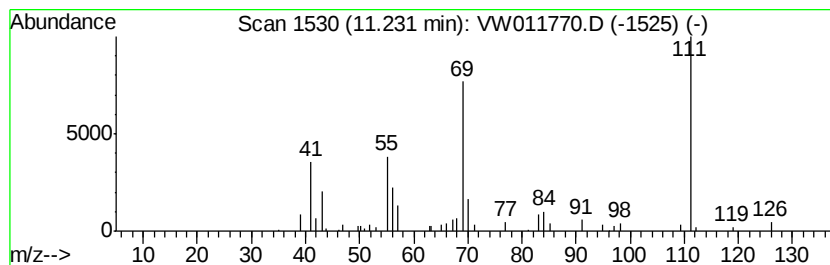
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic11.23 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	1.31 ug/L	17070	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	83
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3		1-Hexyn-3-ol, 3,5-dimethyl-	126	C8H14O	000107-54-0	64
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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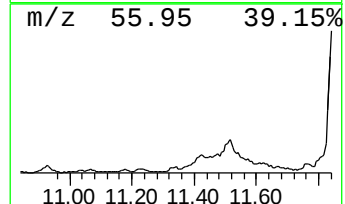
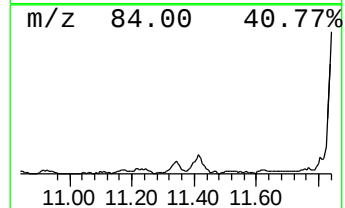
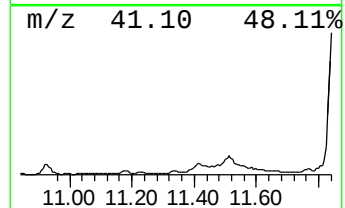
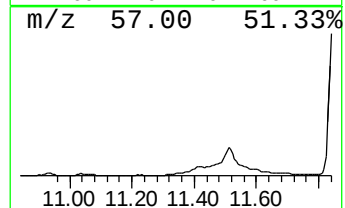
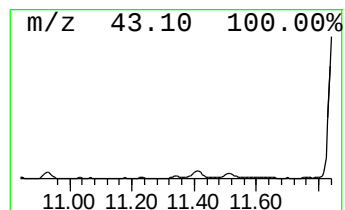
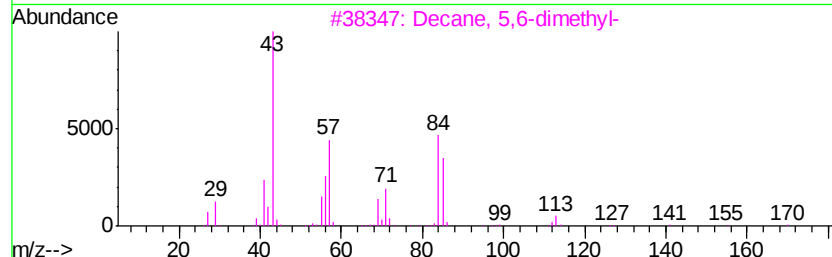
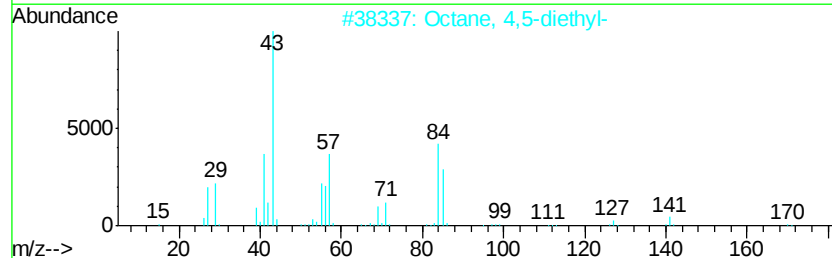
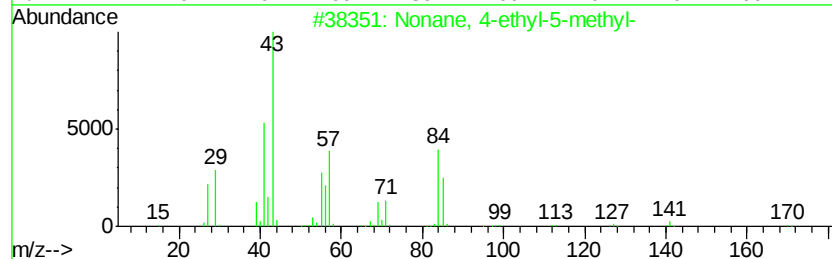
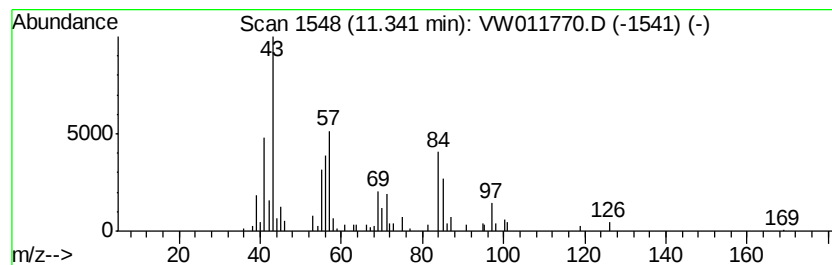
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Quant Title : VOC Analysis

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.
11.34	1.65 ug/L	21511	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-ethyl-5-methyl-	170	C12H26	001632-71-9	50
2		Octane, 4,5-diethyl-	170	C12H26	001636-41-5	50
3		Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	40
4		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38
5		1-Nonene	126	C9H18	000124-11-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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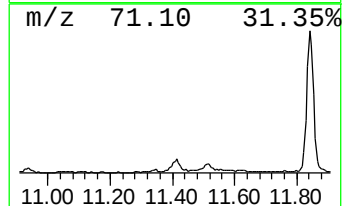
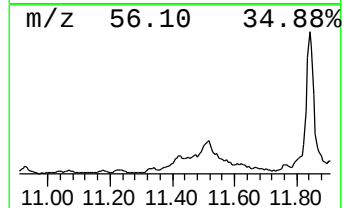
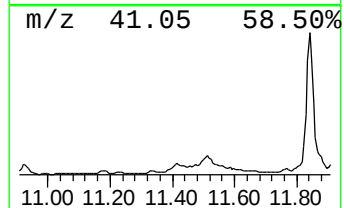
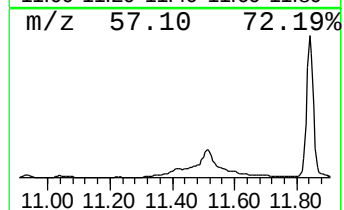
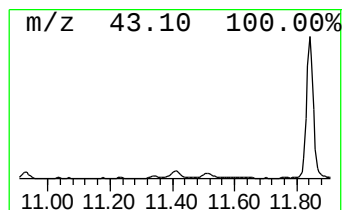
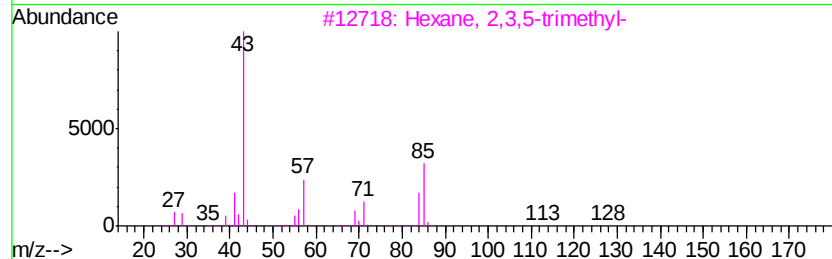
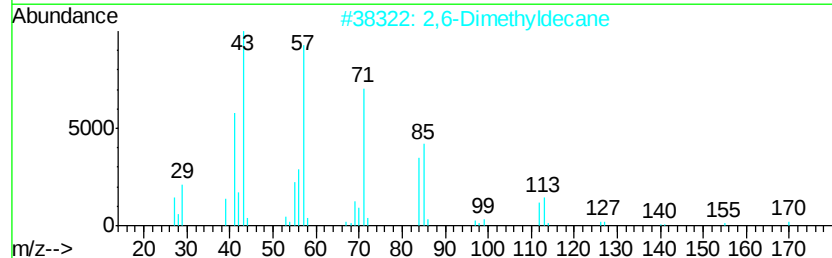
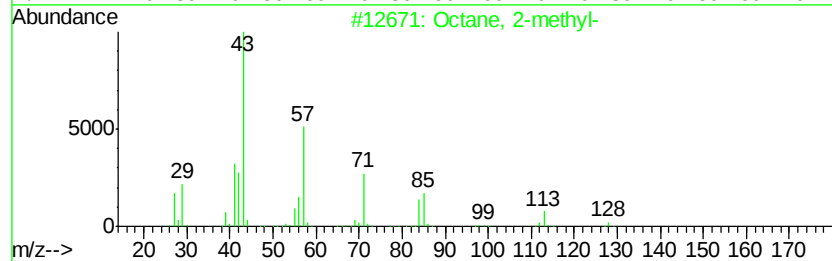
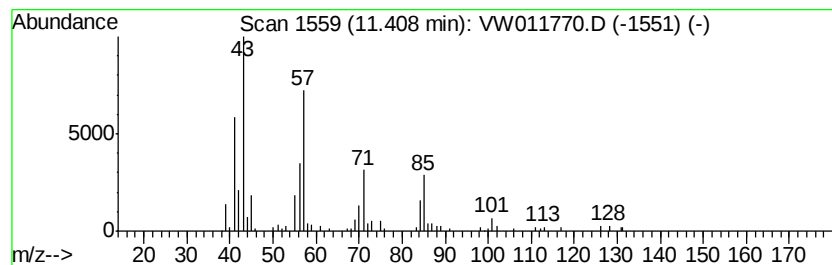
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	8.73 ug/L	113703	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	64
2			2,6-Dimethyldecane	170	C12H26	013150-81-7	59
3			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
4			Octane, 2-methyl-	128	C9H20	003221-61-2	50
5			Octane, 4-methyl-	128	C9H20	002216-34-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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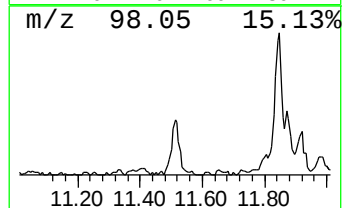
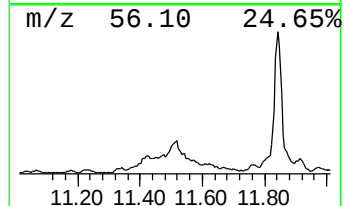
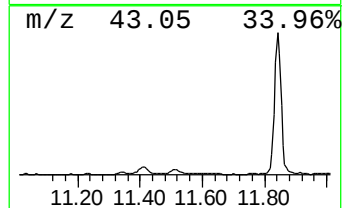
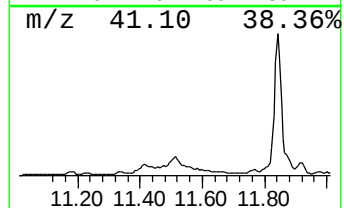
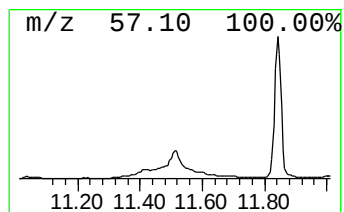
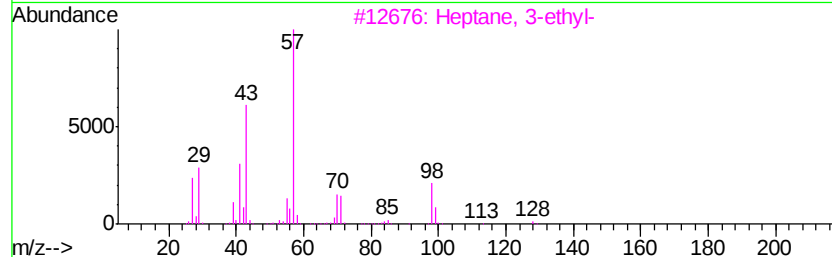
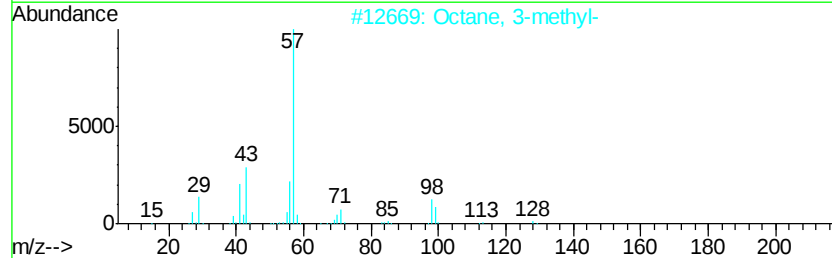
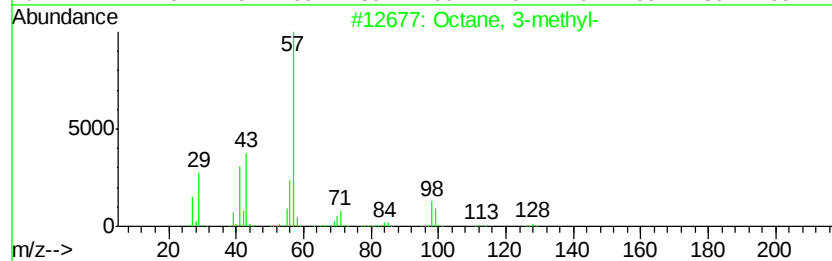
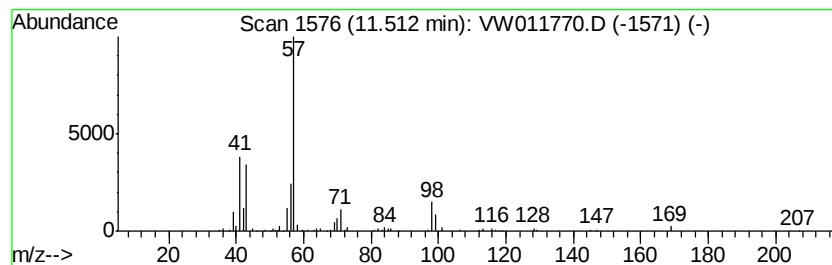
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	9.06 ug/L	118042	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2		Octane, 3-methyl-	128	C9H20	002216-33-3	80
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	58
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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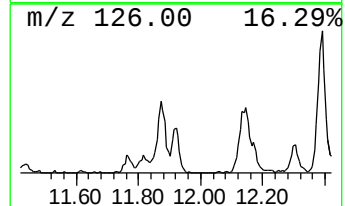
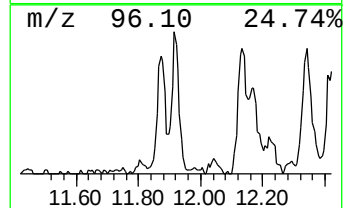
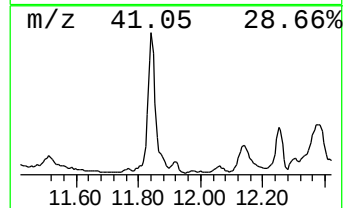
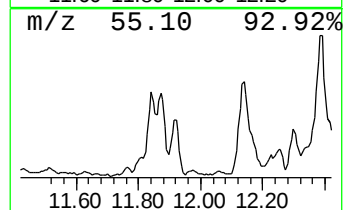
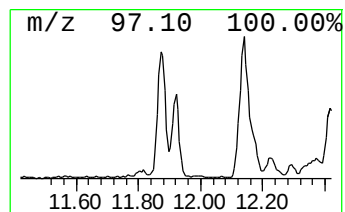
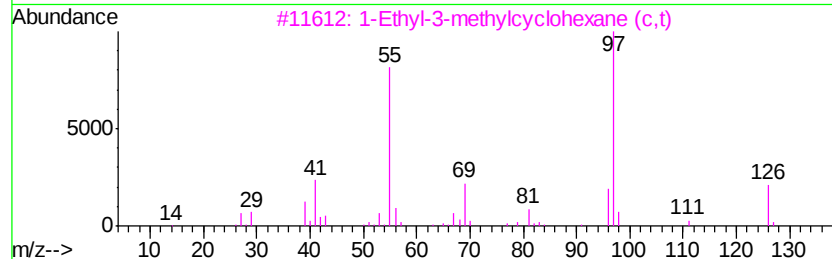
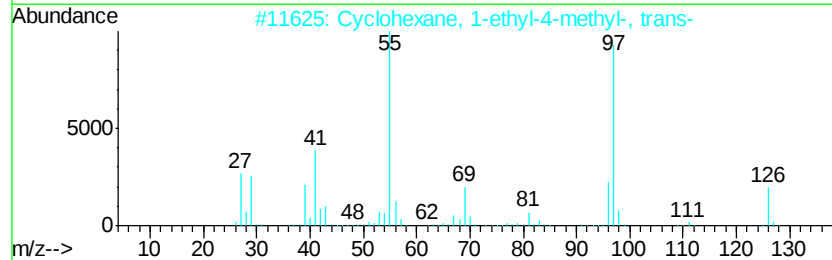
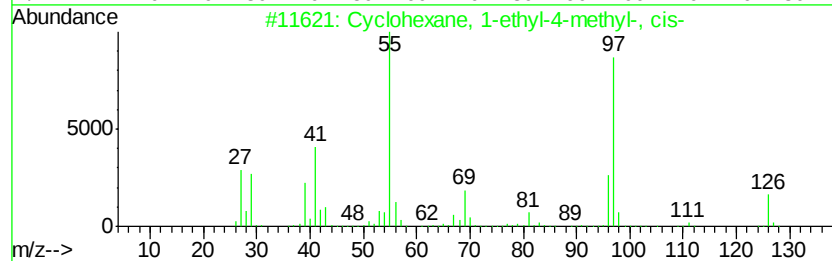
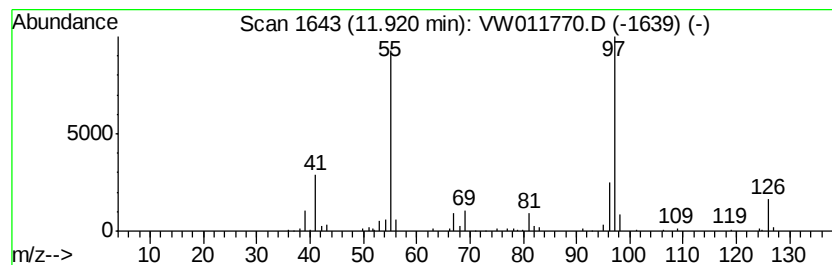
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic11.92 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	6.51 ug/L	84868	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
 Data File : VW011770.D
 Acq On : 08 Aug 2019 12:57
 Operator : SY/VA
 Sample : K4215-01
 Misc : 5.25G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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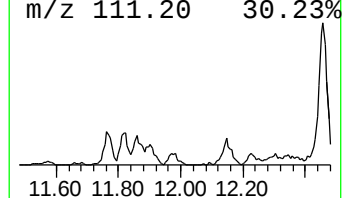
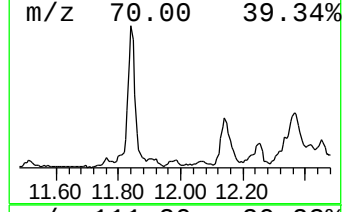
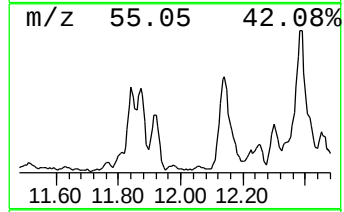
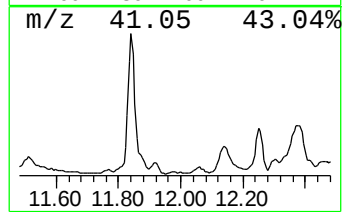
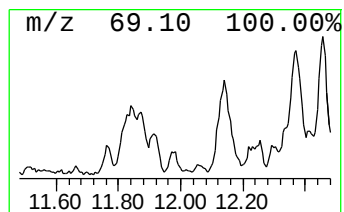
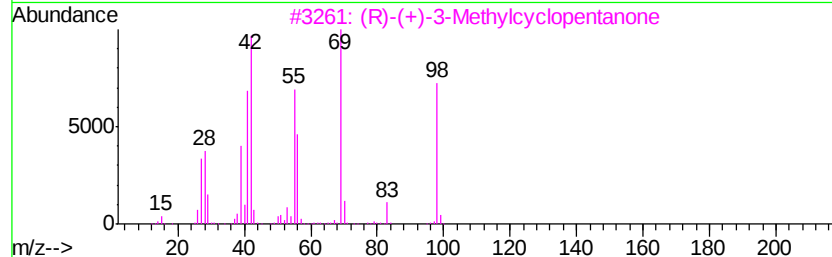
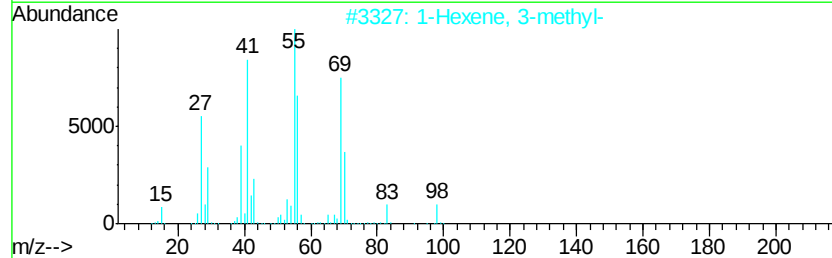
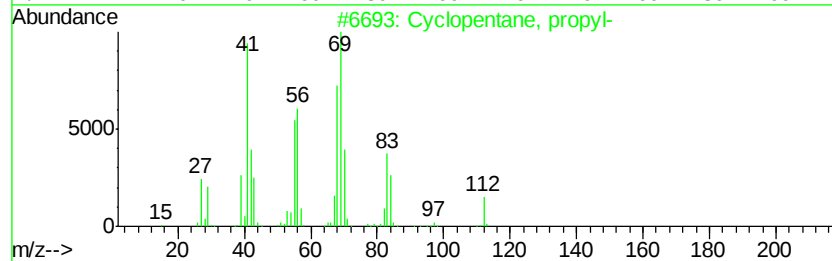
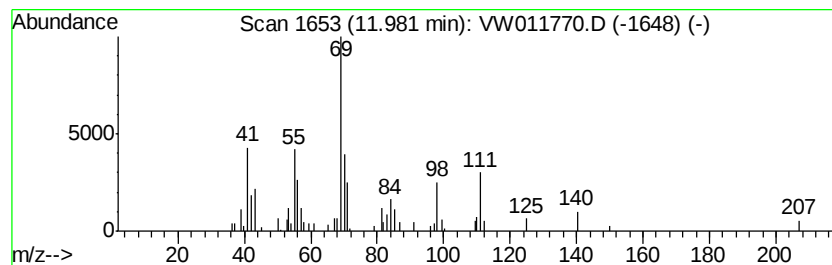
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 Quant Title : VOC Analysis

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

 Peak Number 13 (DEL) Alkane: Cyclic11.98 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	1.67 ug/L	21719	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, propyl-	112	C8H16	002040-96-2	52
2			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	52
3			(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	46
4			3-Heptene, 2-methyl-	112	C8H16	017618-76-7	43
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

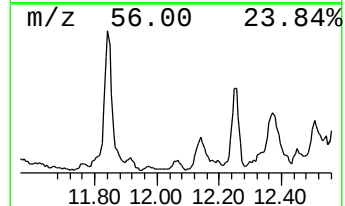
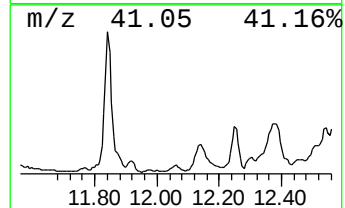
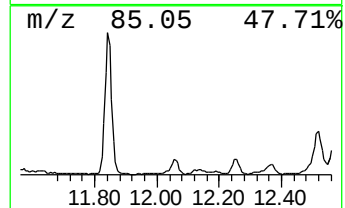
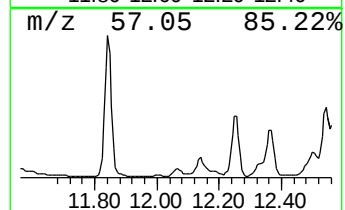
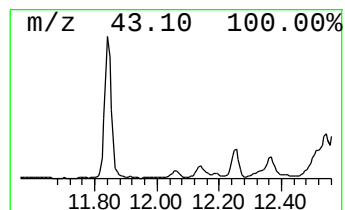
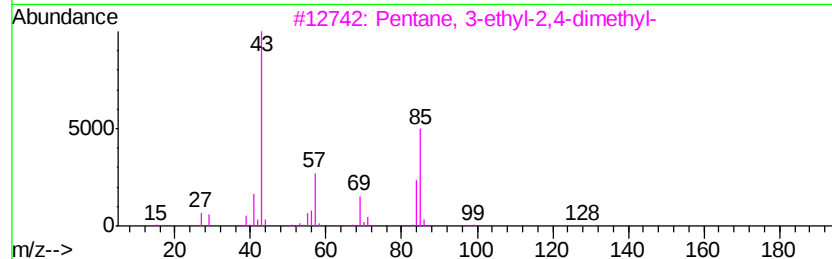
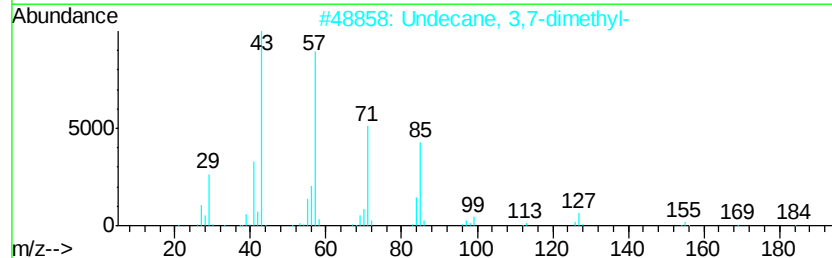
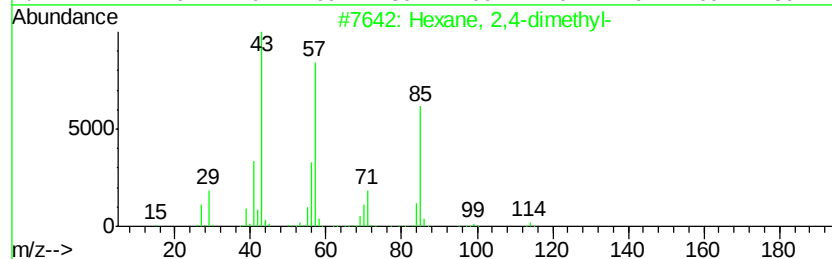
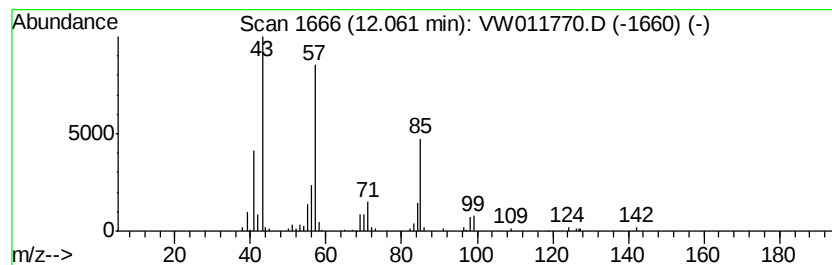
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.14 ug/L	40891	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
2		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	72
3		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64
4		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	64
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

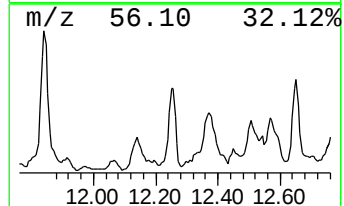
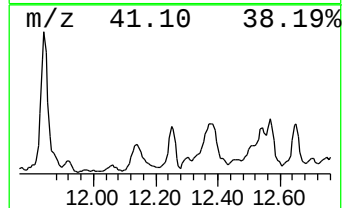
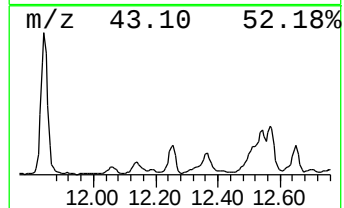
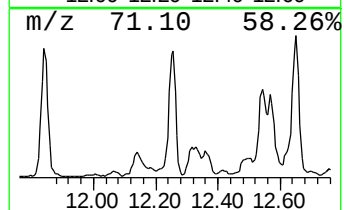
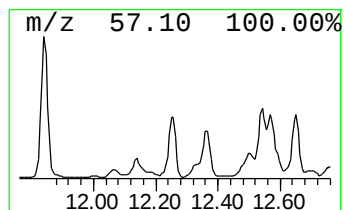
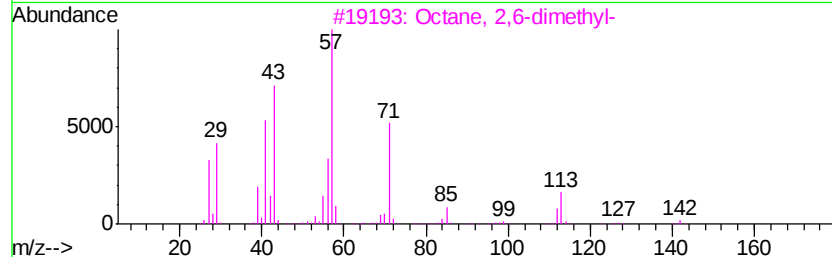
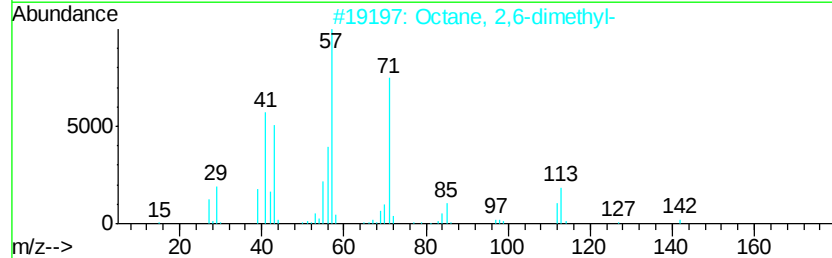
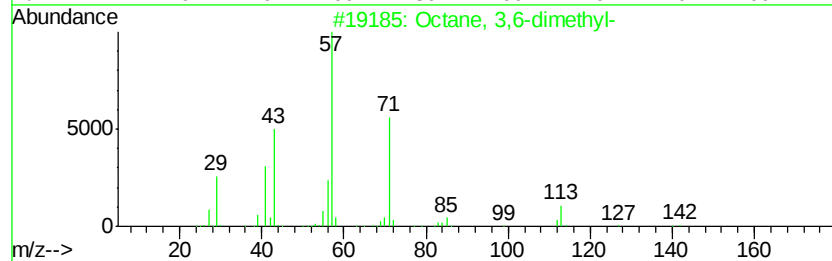
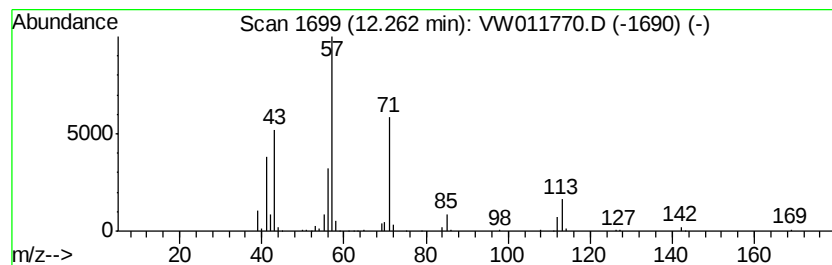
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	16.33 ug/L	212760	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	94
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

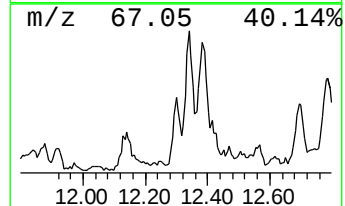
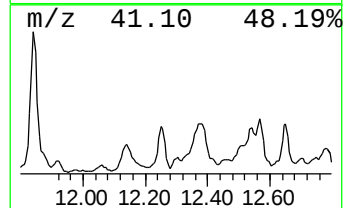
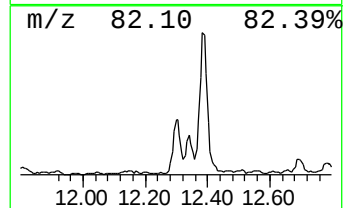
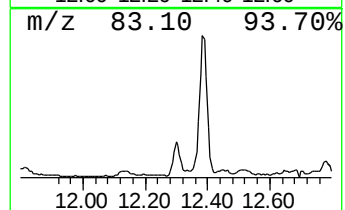
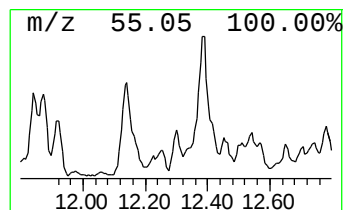
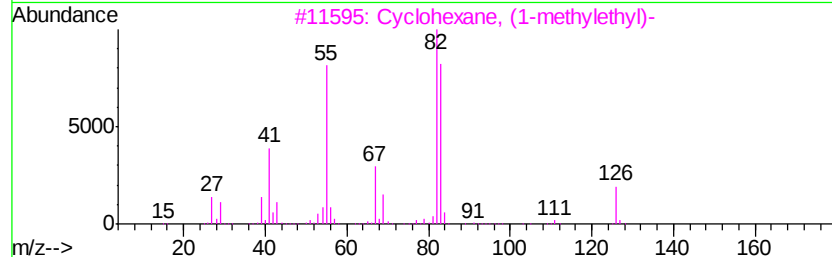
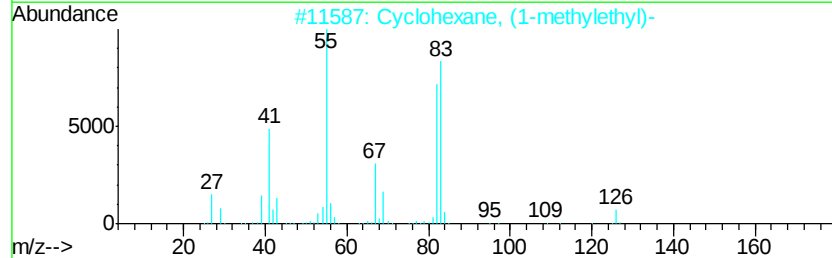
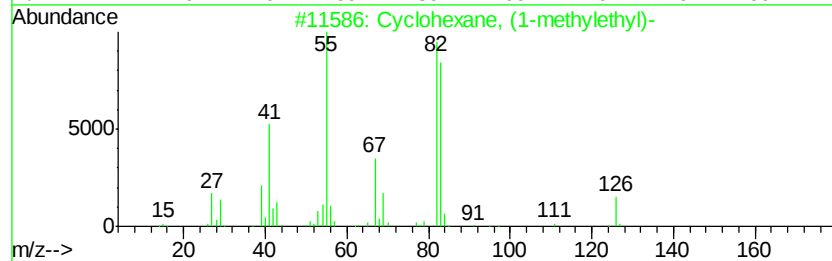
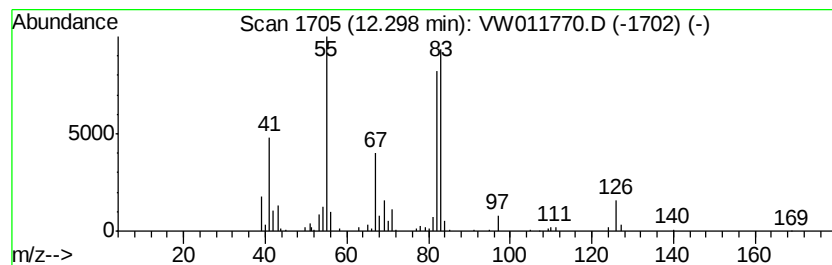
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic12.30 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.07 ug/L	66077	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
5		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

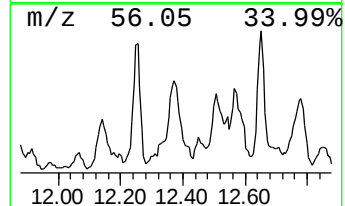
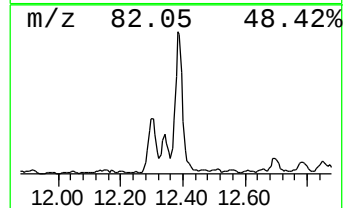
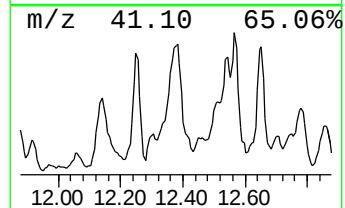
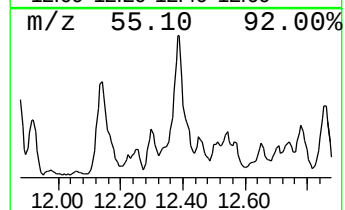
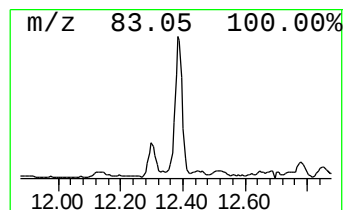
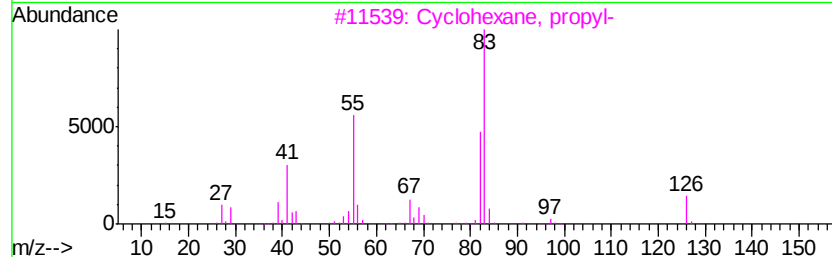
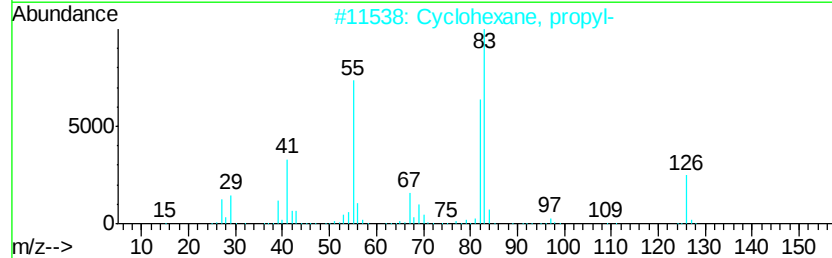
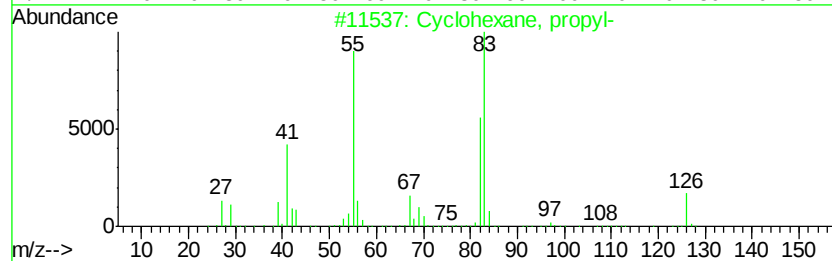
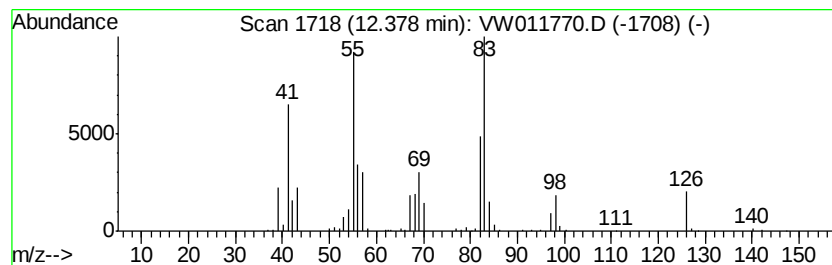
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic12.38 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	35.40 ug/L	461261	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	90
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	90
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

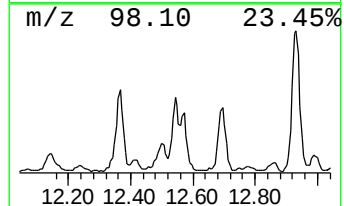
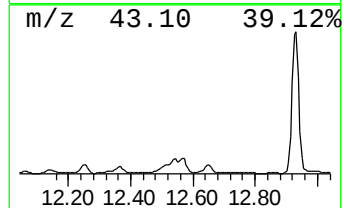
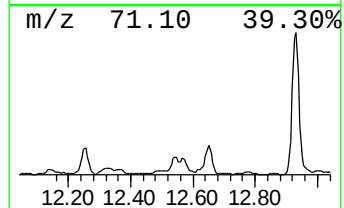
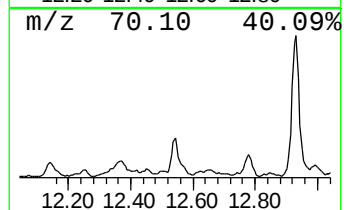
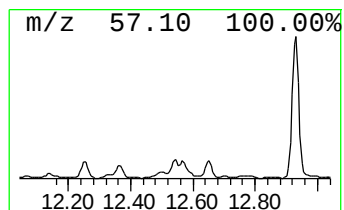
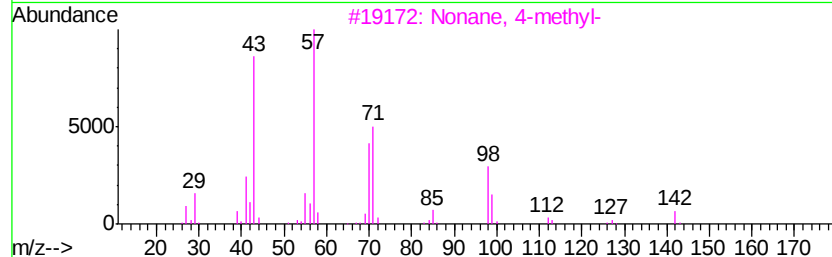
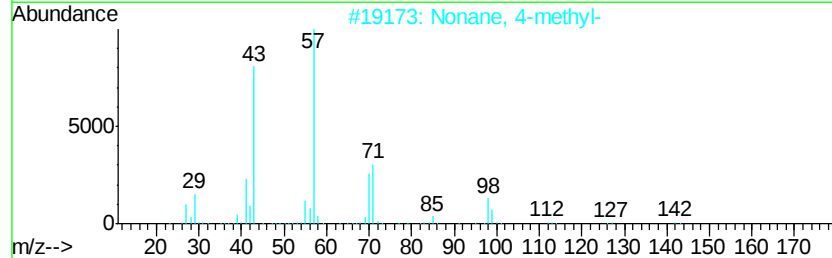
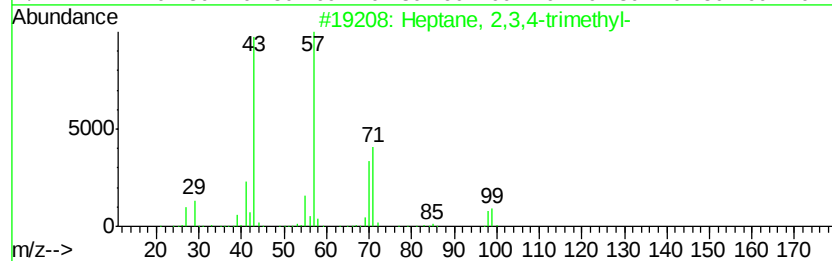
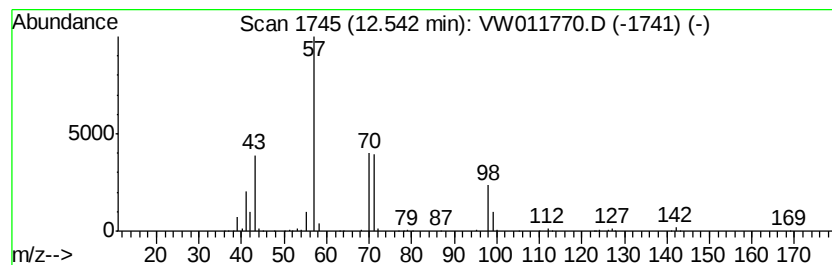
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	16.37 ug/L	213360	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	56
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	50
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

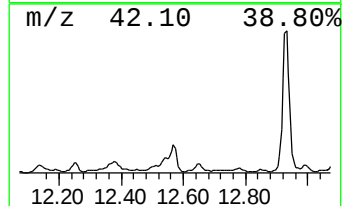
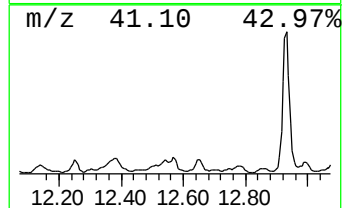
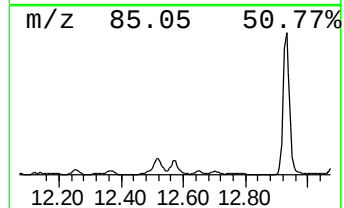
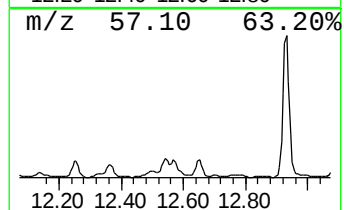
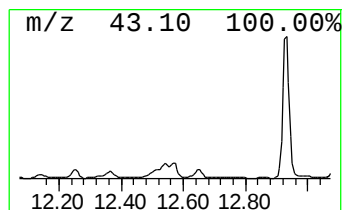
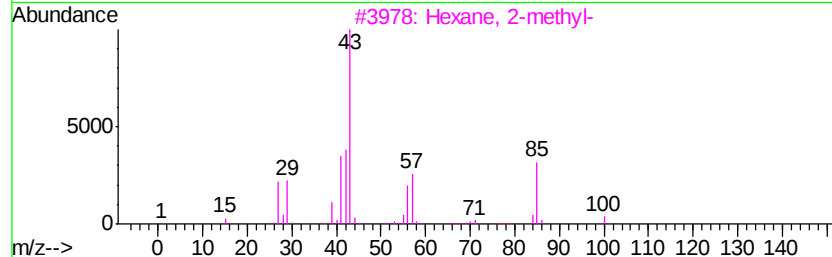
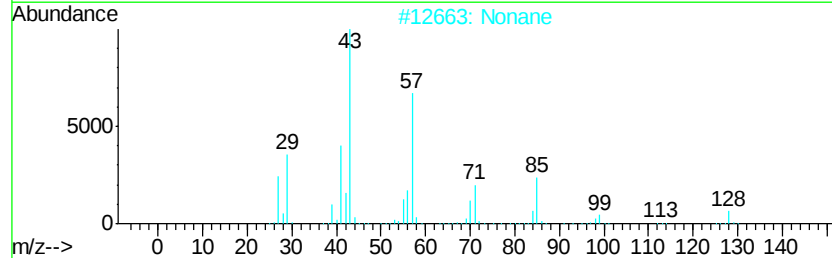
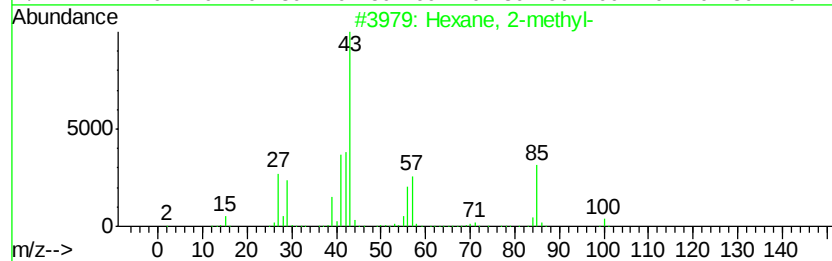
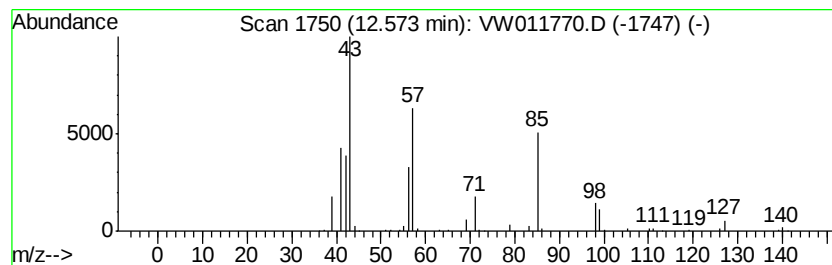
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	12.70 ug/L	165420	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2-methyl-	100	C7H16	000591-76-4	50
2		Nonane	128	C9H20	000111-84-2	45
3		Hexane, 2-methyl-	100	C7H16	000591-76-4	42
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	40
5		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

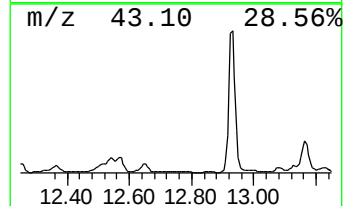
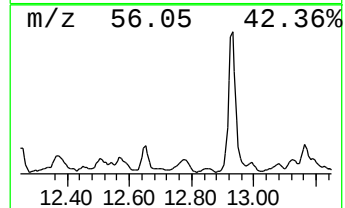
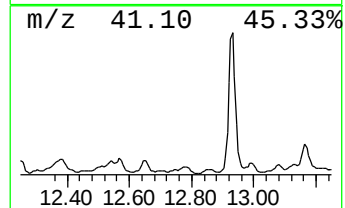
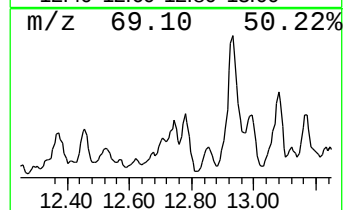
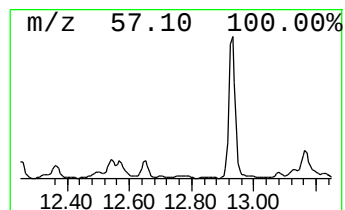
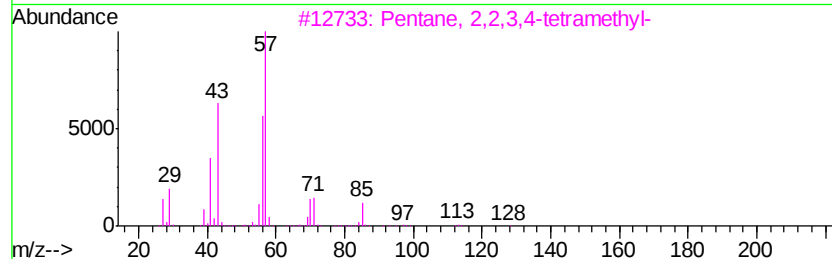
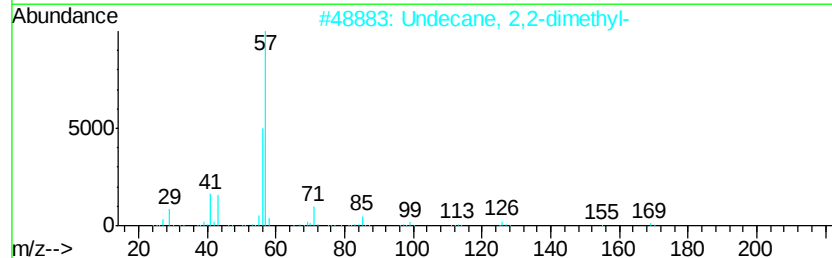
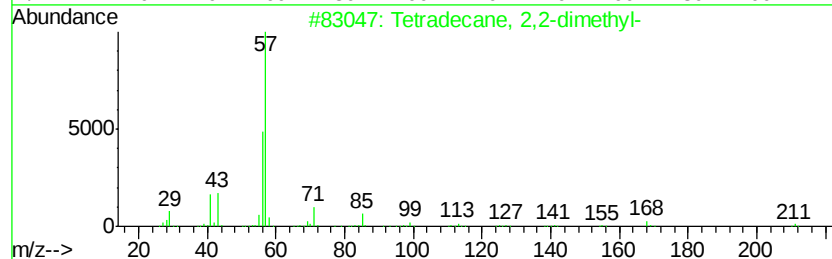
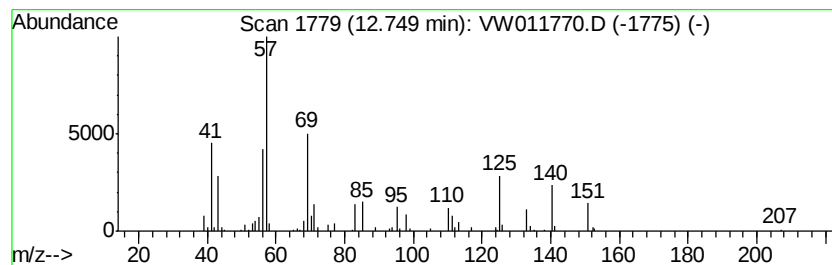
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	1.34 ug/L	24258	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	35
2			Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	35
3			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	35
4			Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	35
5			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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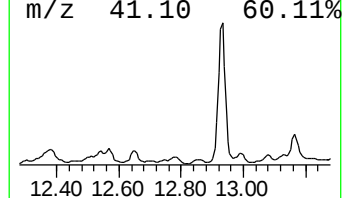
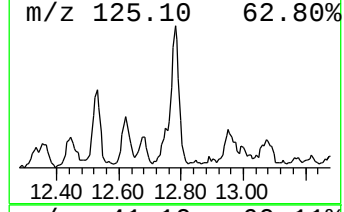
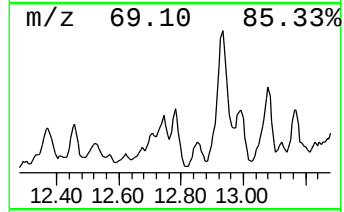
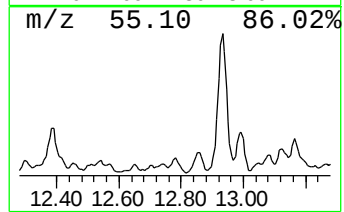
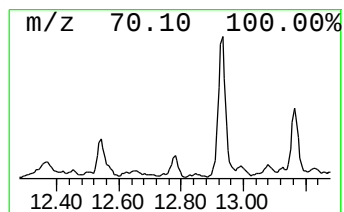
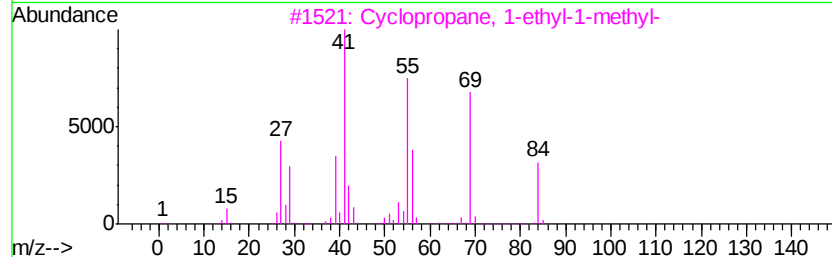
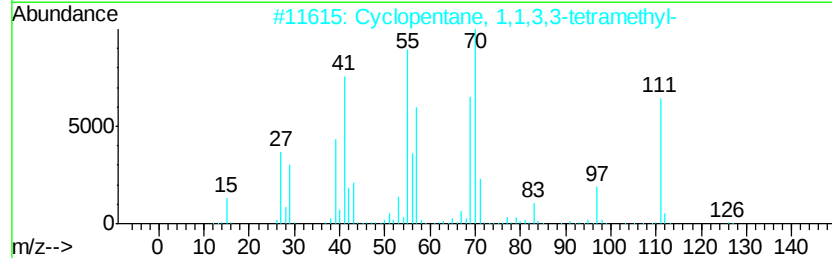
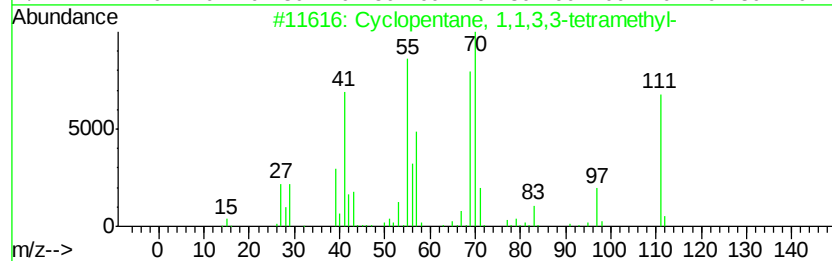
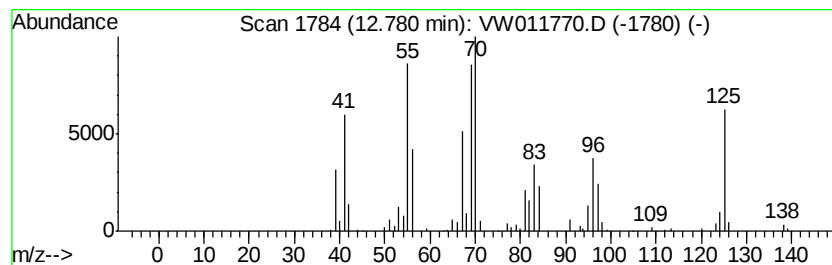
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic12.78 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.17 ug/L	184746	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	47
2		Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	43
3		Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	42
4		1-Pentene, 3-methyl-	84	C6H12	000760-20-3	42
5		Cyclopentane, butyl-	126	C9H18	002040-95-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

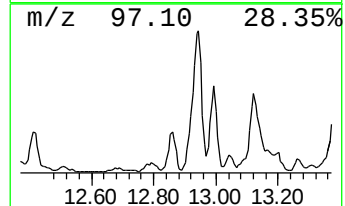
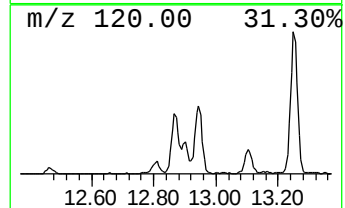
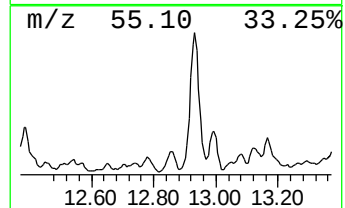
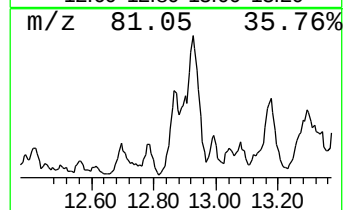
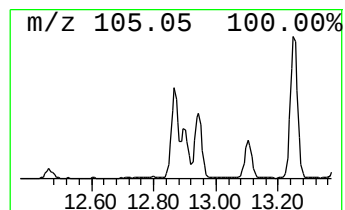
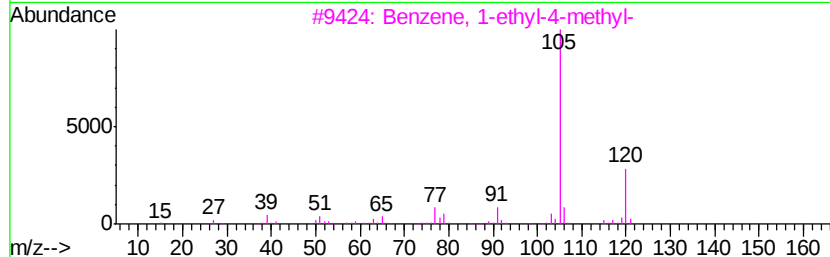
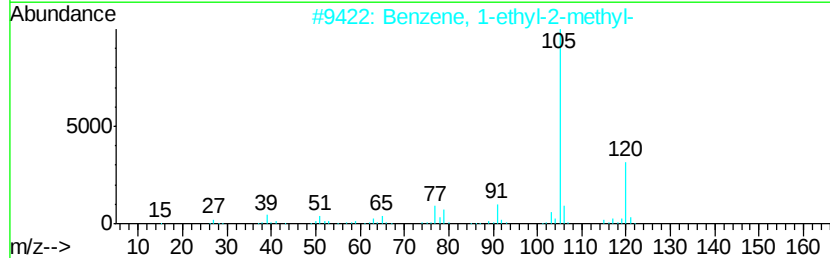
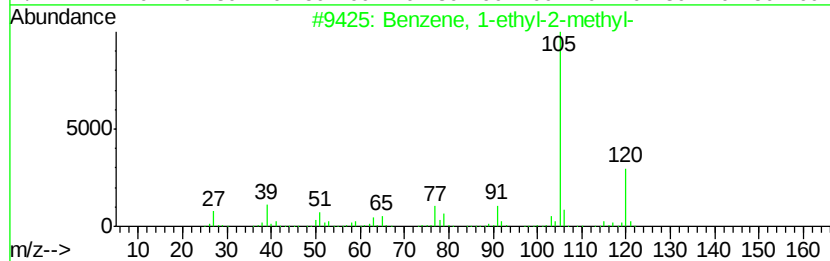
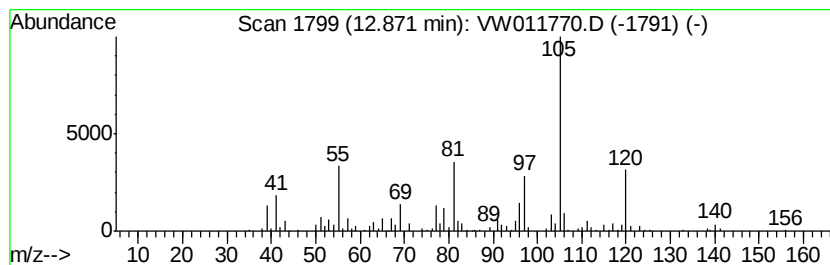
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	11.01 ug/L	199868	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	46
4		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
5		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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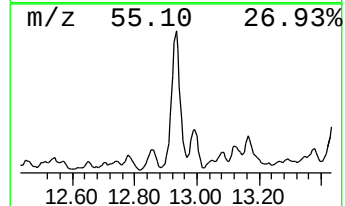
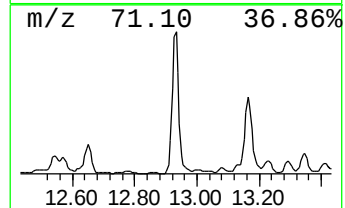
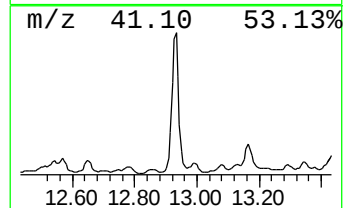
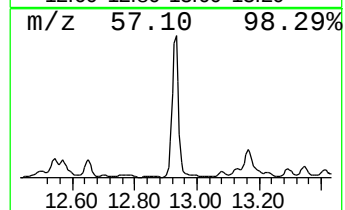
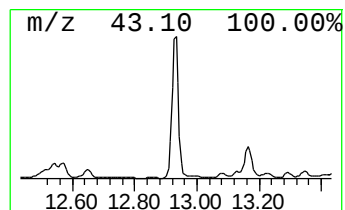
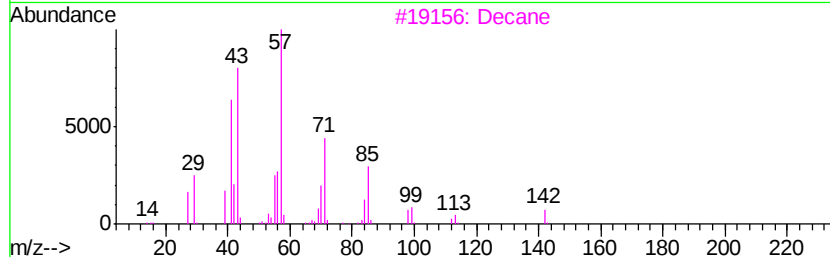
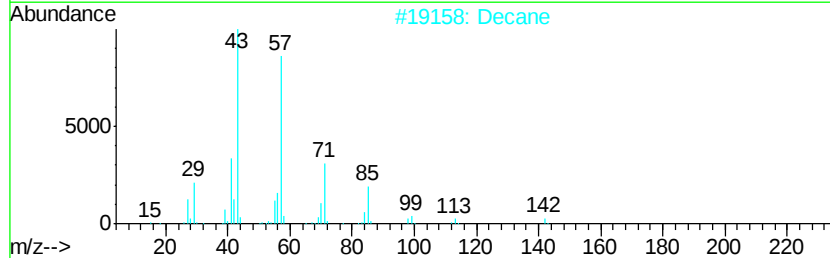
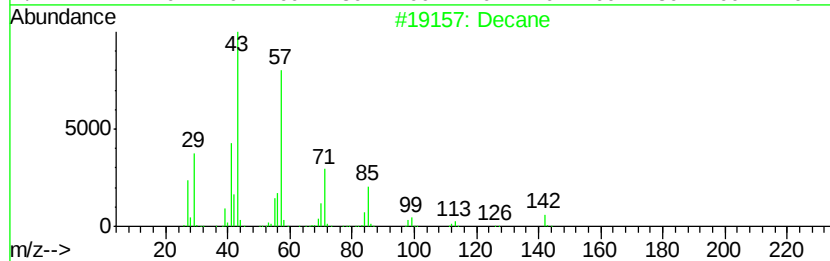
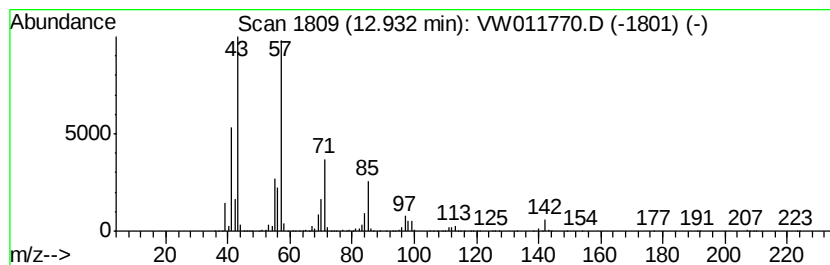
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	143.13 ug/L	2599170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	97
2		Decane	142	C10H22	000124-18-5	94
3		Decane	142	C10H22	000124-18-5	93
4		Nonane	128	C9H20	000111-84-2	86
5		Nonane	128	C9H20	000111-84-2	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

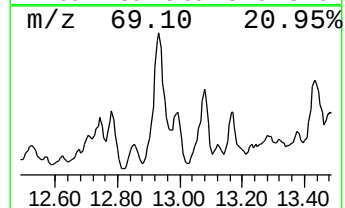
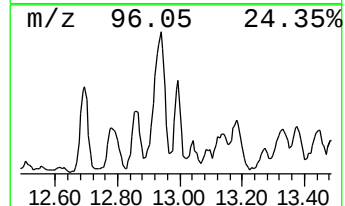
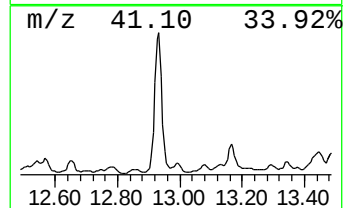
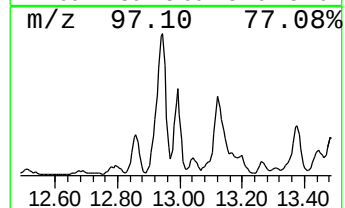
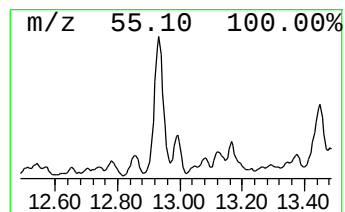
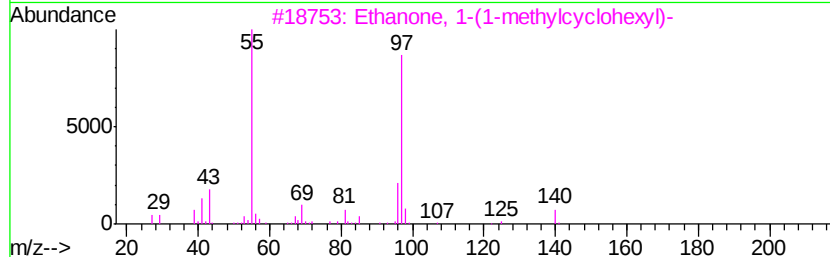
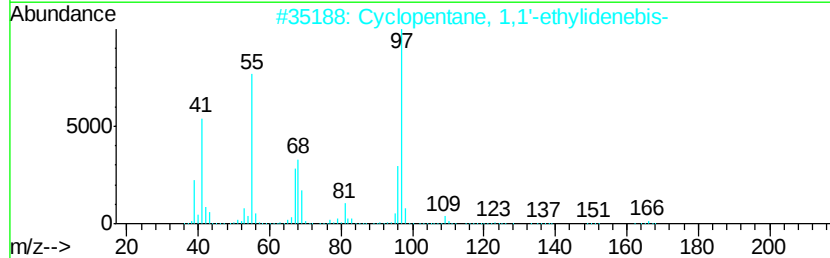
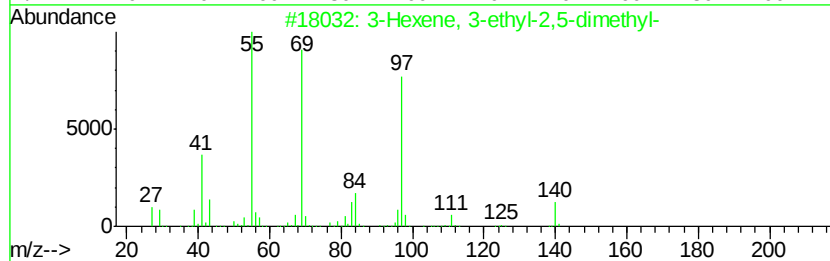
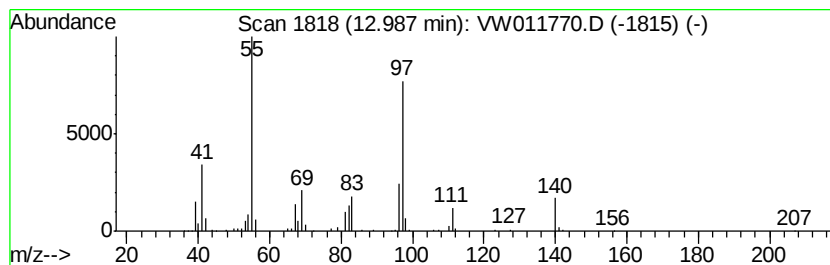
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic12.99 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	12.36 ug/L	224394	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Hexene, 3-ethyl-2,5-dimethyl-	140 C10H20	062338-08-3	59
2	Cyclopentane, 1,1'-ethylidenebis-	166 C12H22	004413-21-2	53
3	Ethanone, 1-(1-methylcyclohexyl)-	140 C9H16O	002890-62-2	53
4	Cyclohexane, 1-methyl-4-(1-methyl-...	140 C10H20	006069-98-3	52
5	Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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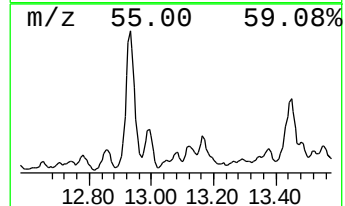
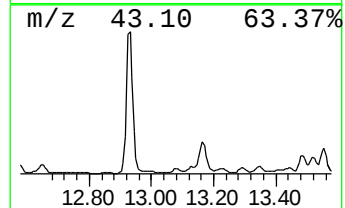
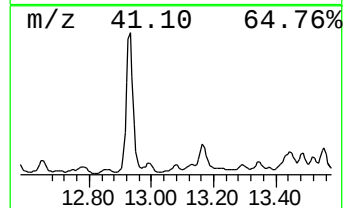
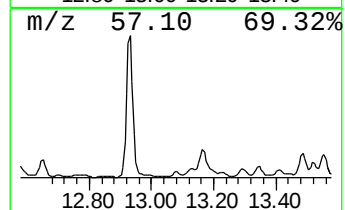
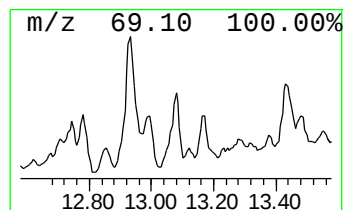
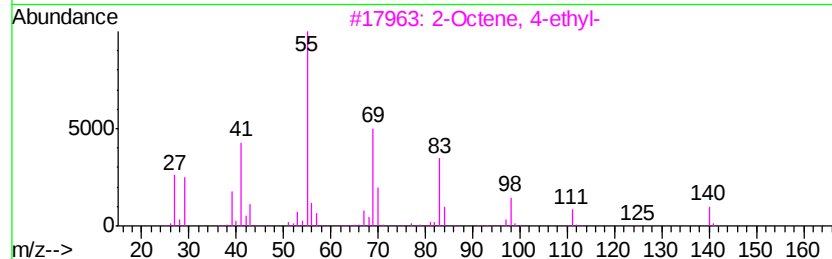
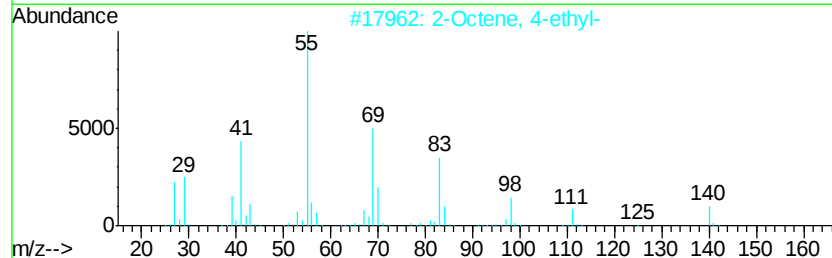
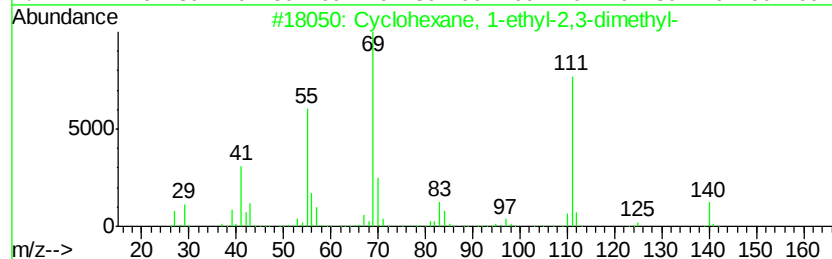
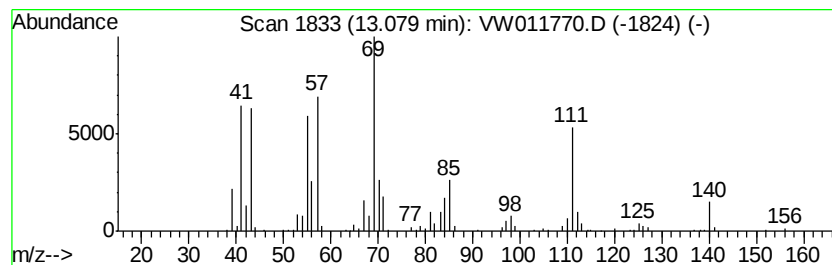
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic13.08 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	13.29 ug/L	241383	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	68
2		2-Octene, 4-ethyl-	140	C10H20	053966-52-2	52
3		2-Octene, 4-ethyl-	140	C10H20	053966-52-2	49
4		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	49
5		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

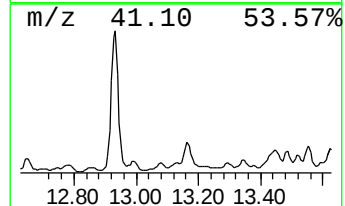
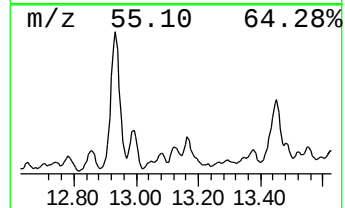
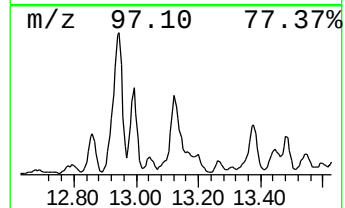
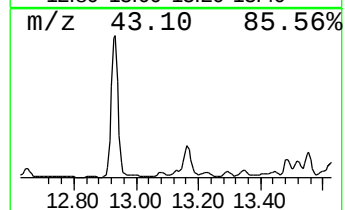
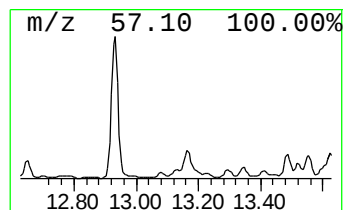
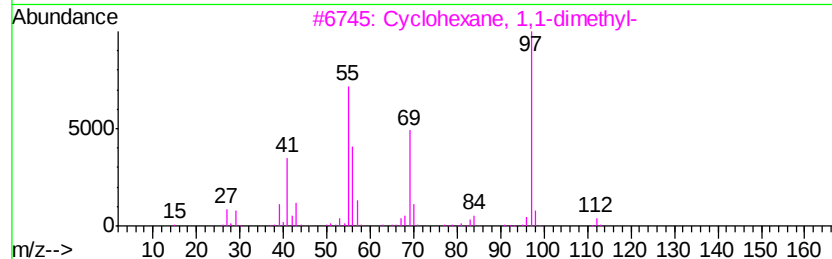
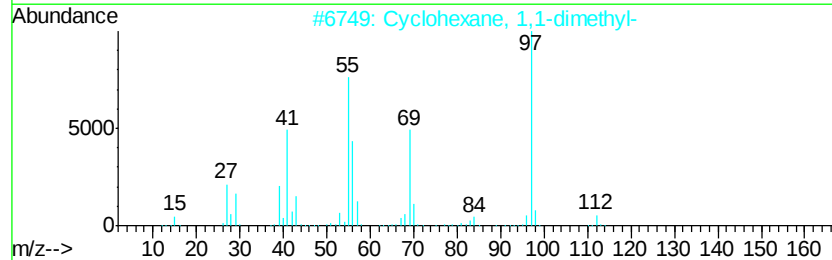
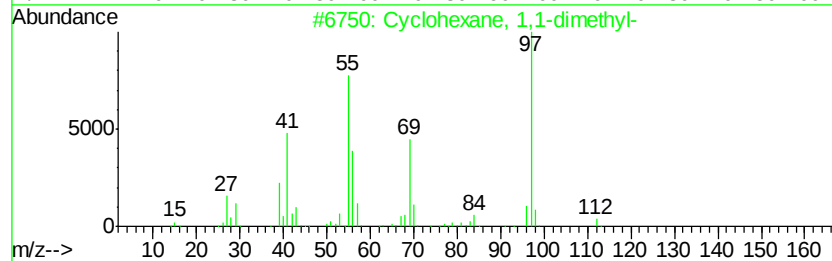
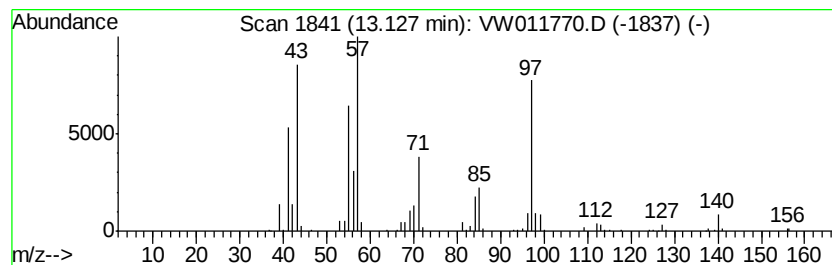
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic13.13 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	7.61 ug/L	138197	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	55
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
4			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
5			Undecane	156	C11H24	001120-21-4	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

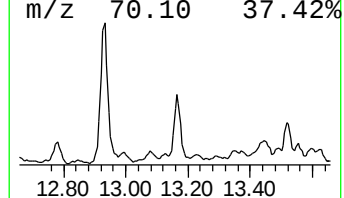
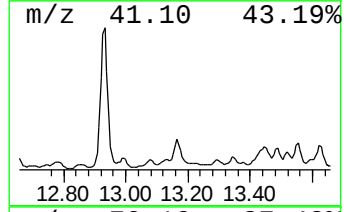
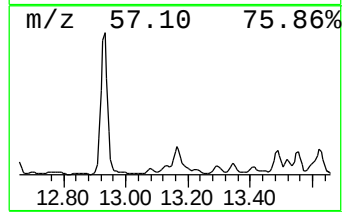
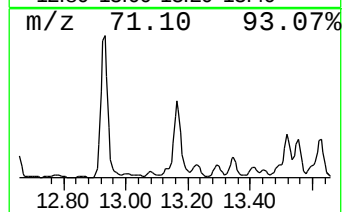
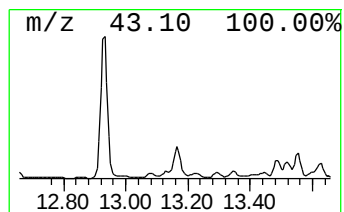
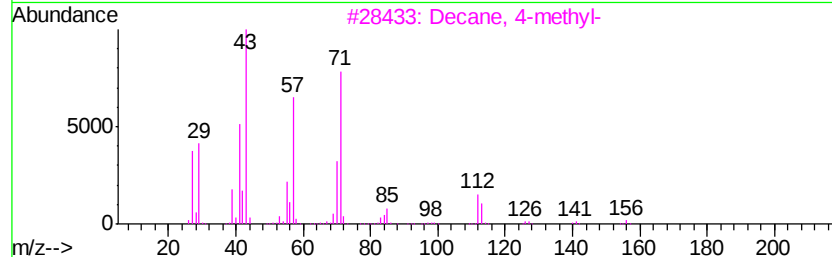
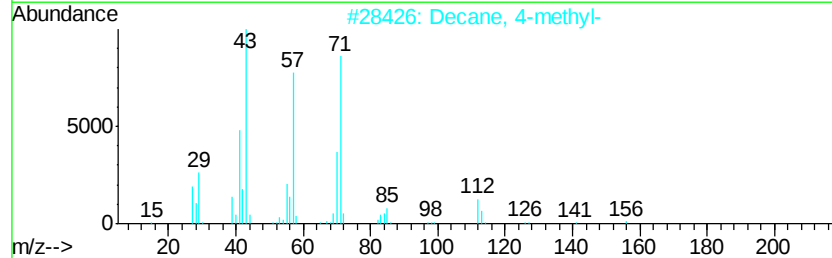
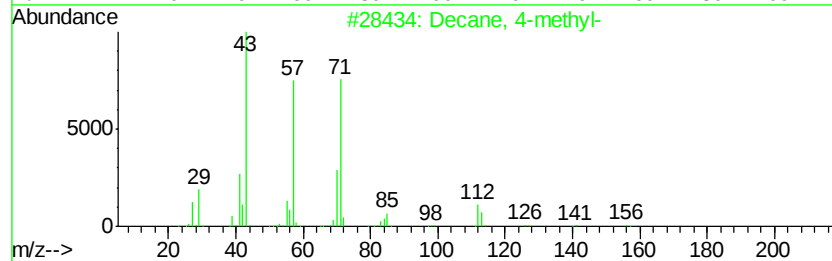
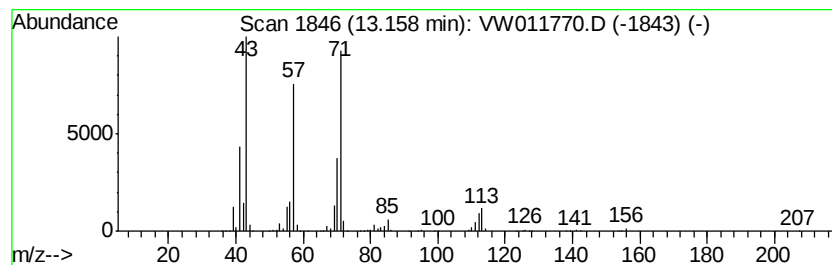
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	32.78 ug/L	595307	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	94
2		Decane, 4-methyl-	156	C11H24	002847-72-5	90
3		Decane, 4-methyl-	156	C11H24	002847-72-5	87
4		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

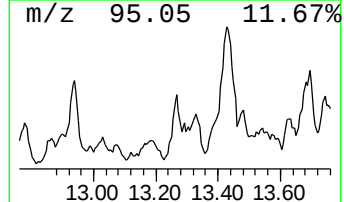
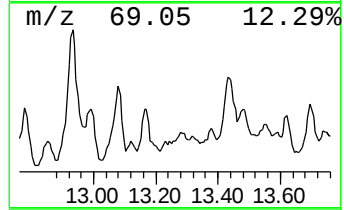
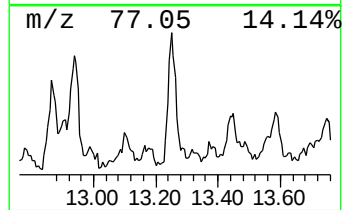
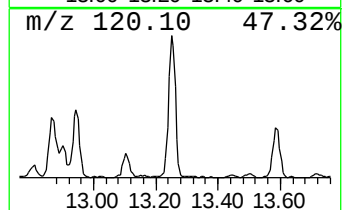
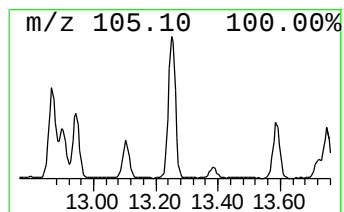
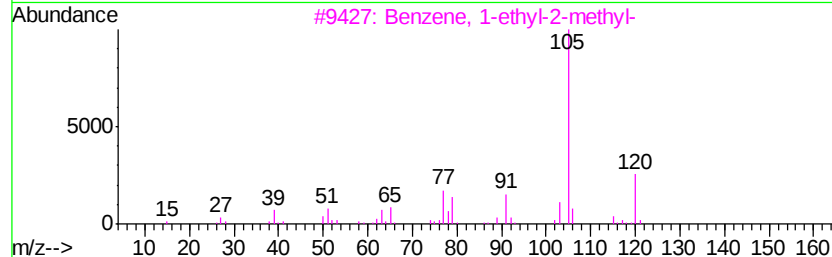
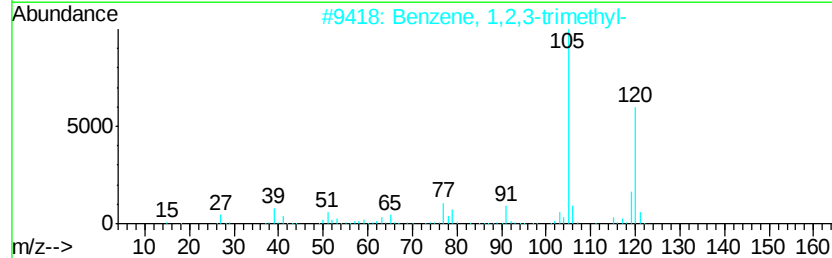
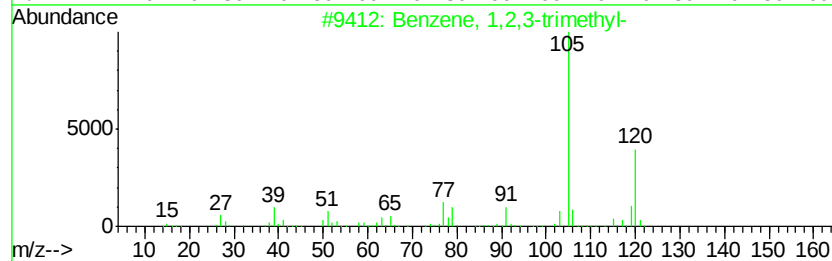
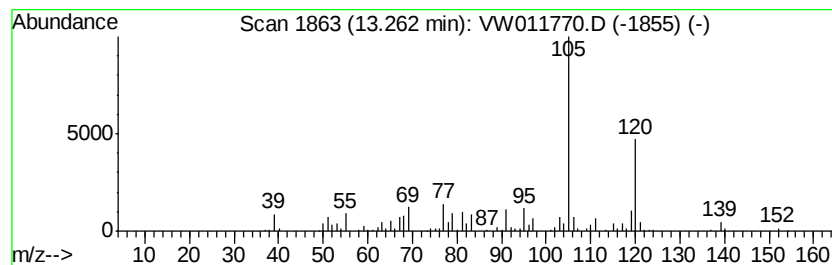
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	7.72 ug/L	140179	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5		Mesitylene	120	C9H12	000108-67-8	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

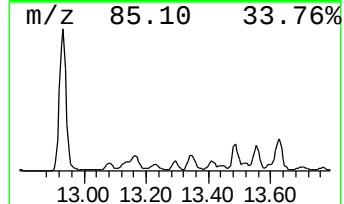
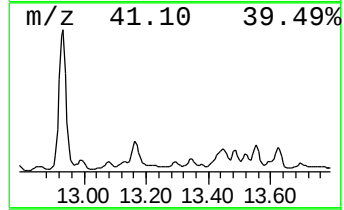
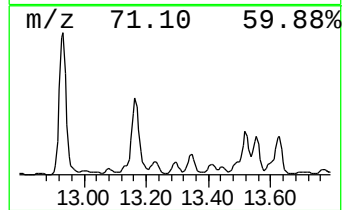
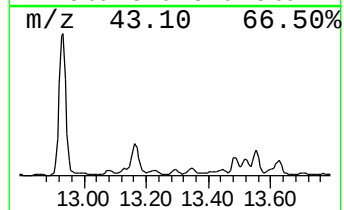
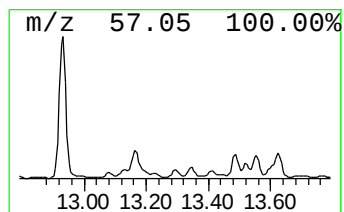
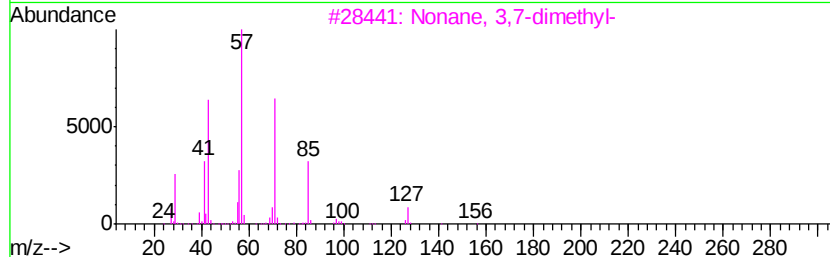
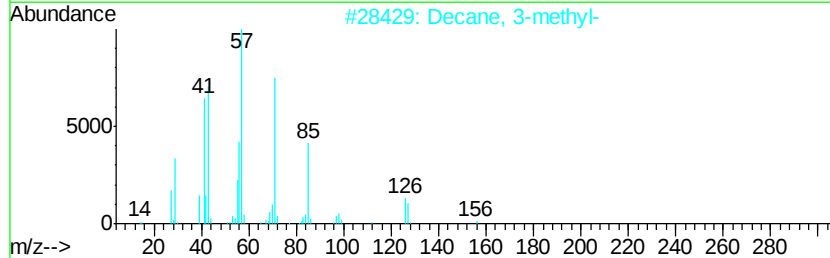
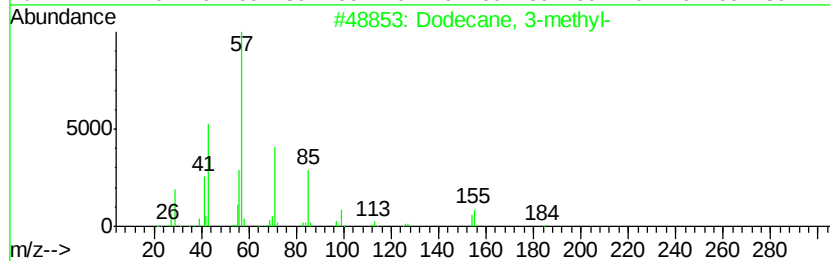
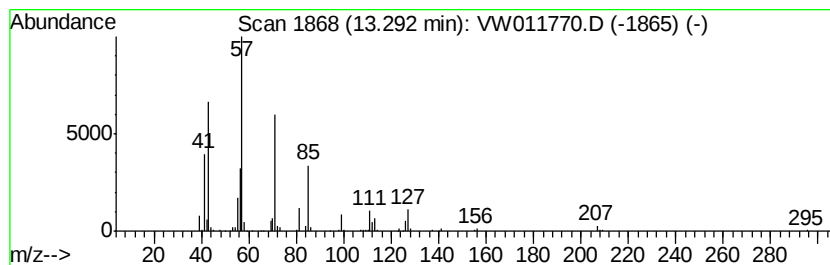
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	5.11 ug/L	92797	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
2			Decane, 3-methyl-	156	C11H24	013151-34-3	64
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
4			Octane, 2-methyl-	128	C9H20	003221-61-2	64
5			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

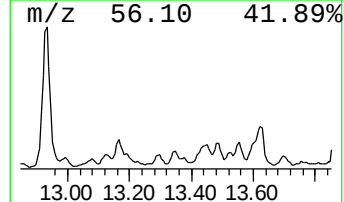
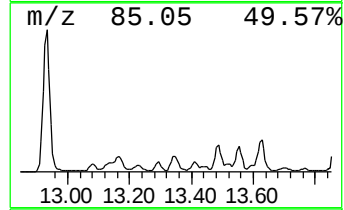
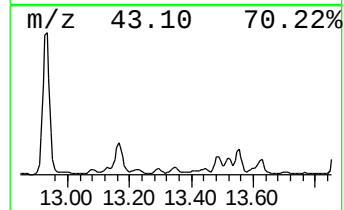
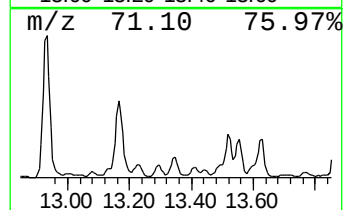
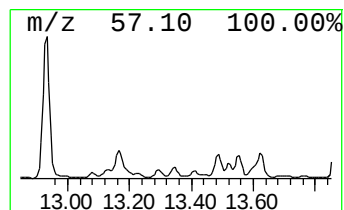
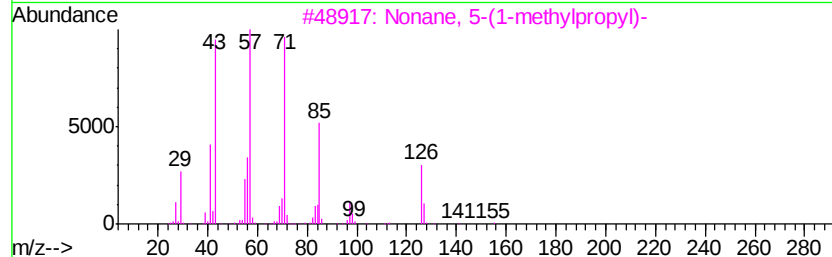
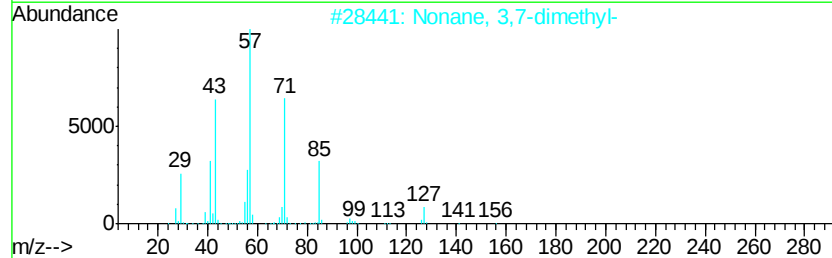
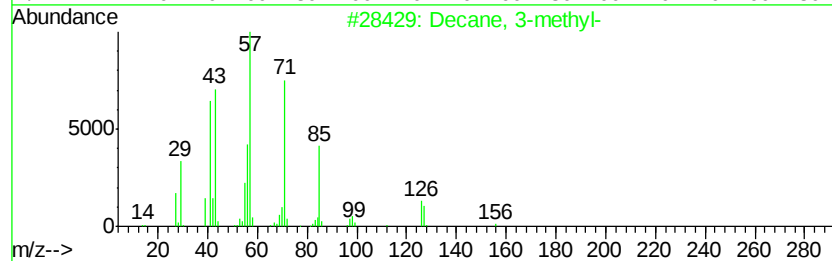
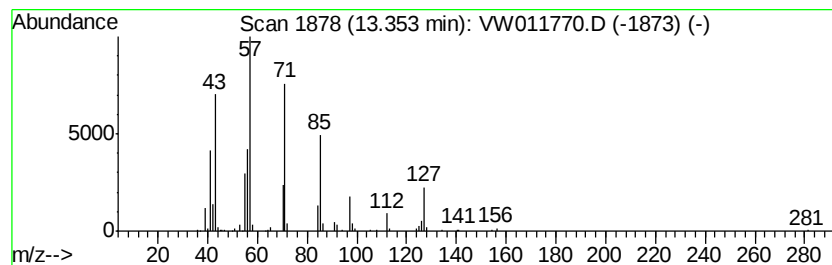
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	7.72 ug/L	140115	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	78
3		Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	78
4		Octadecane	254	C18H38	000593-45-3	72
5		Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOB4

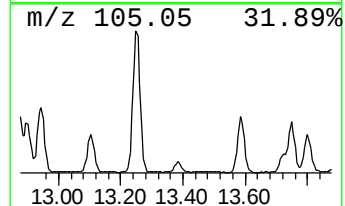
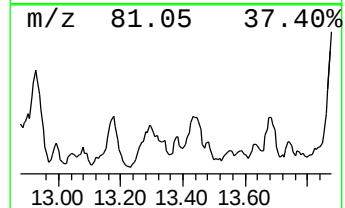
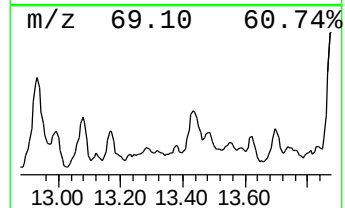
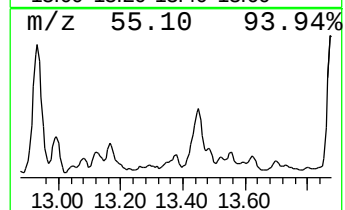
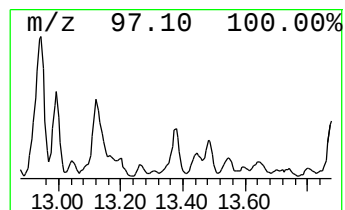
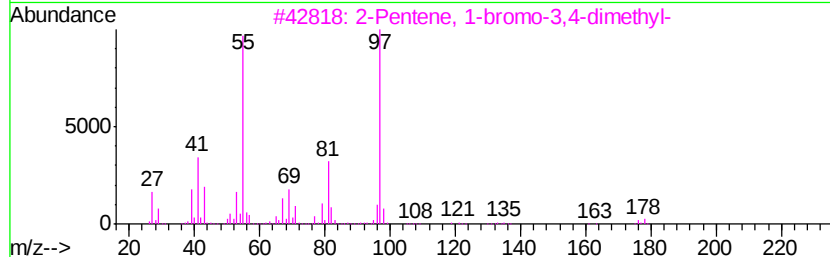
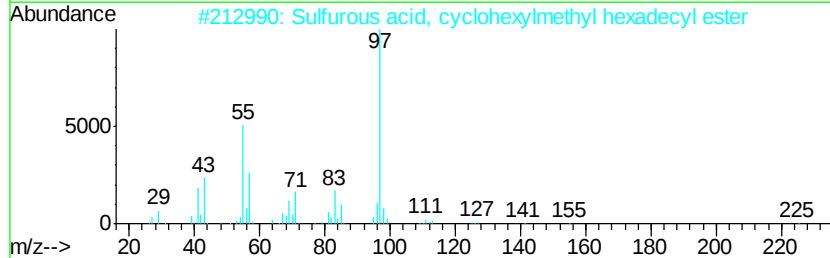
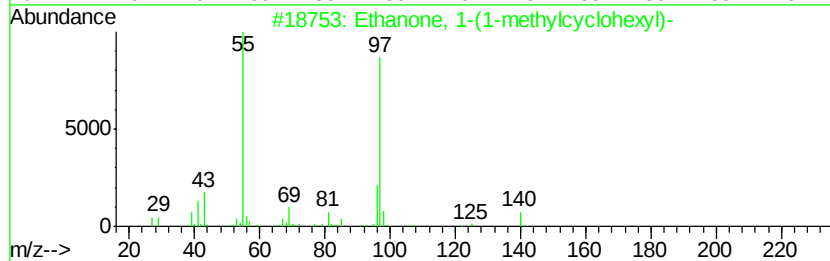
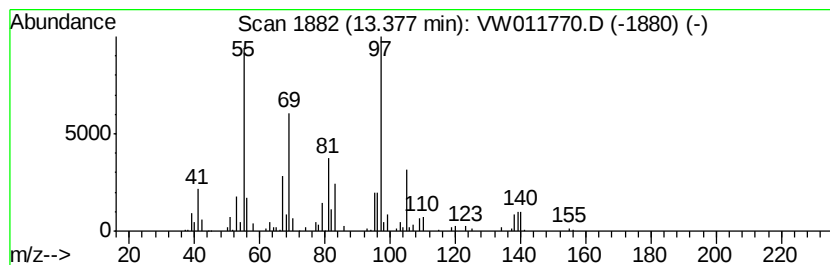
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.92 ug/L	52993	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	47
2			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	47
3			2-Pentene, 1-bromo-3,4-dimethyl-	176	C7H13Br	000922-99-6	43
4			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	38
5			Trichloroacetic acid, 1-cyclopen...	258	C9H13Cl3O2	1000282-57-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

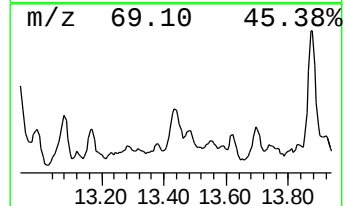
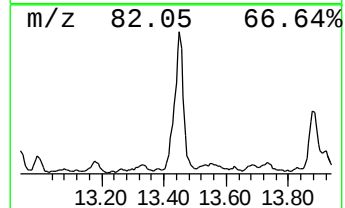
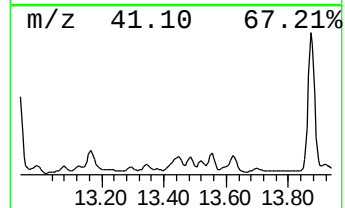
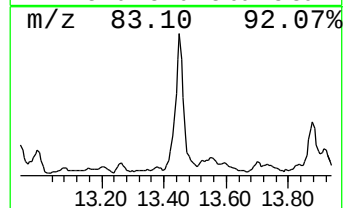
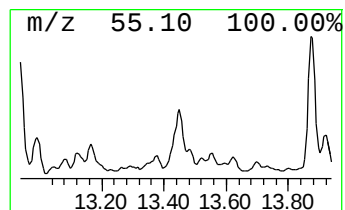
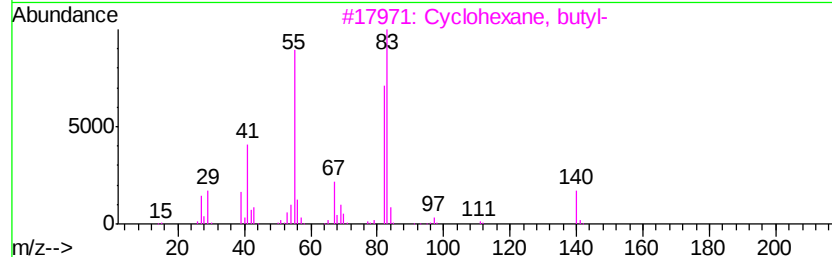
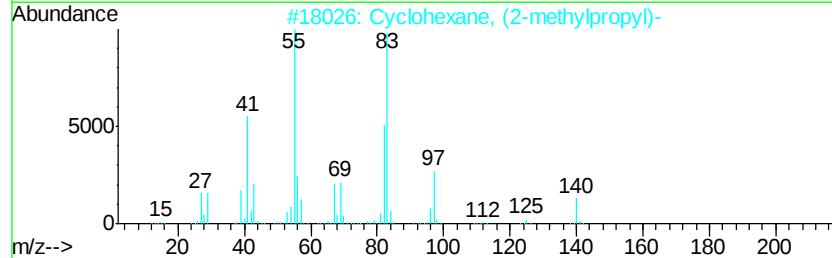
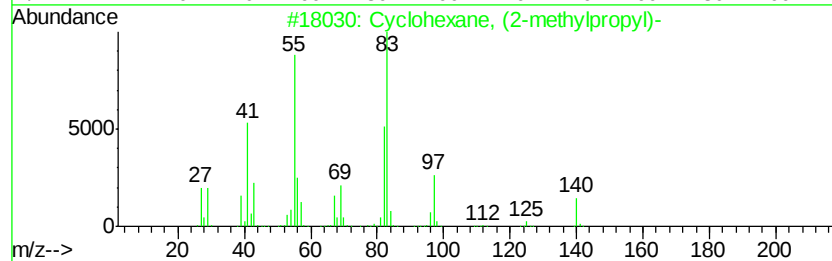
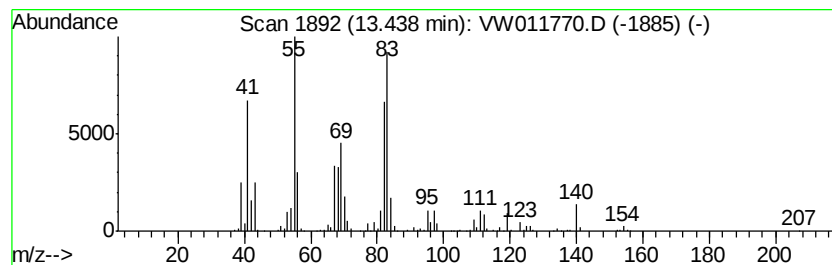
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic13.44 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	34.13 ug/L	619744	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	87
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	83
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOB4

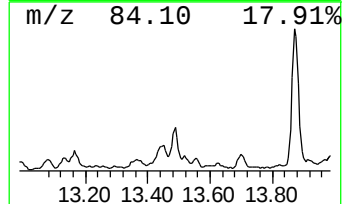
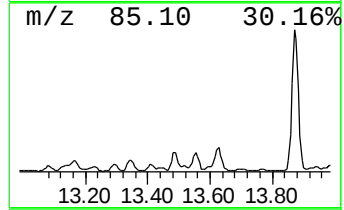
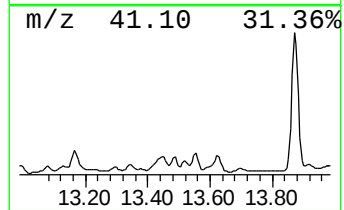
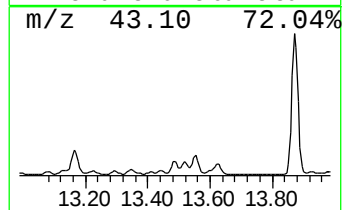
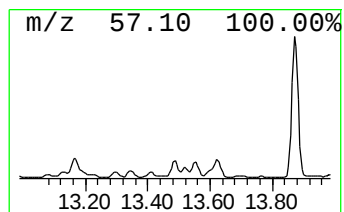
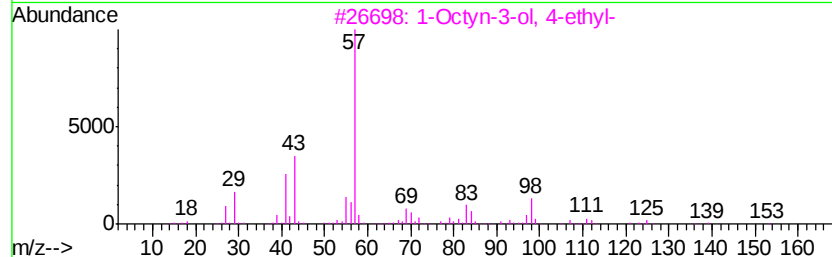
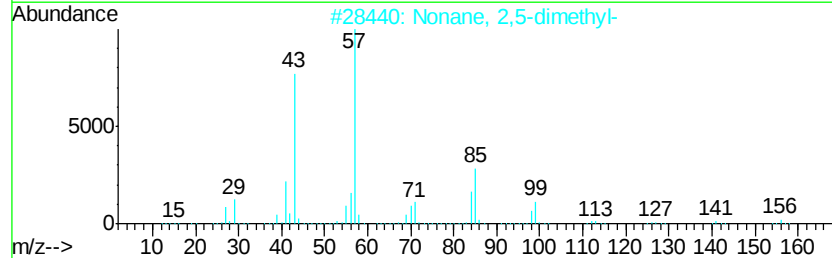
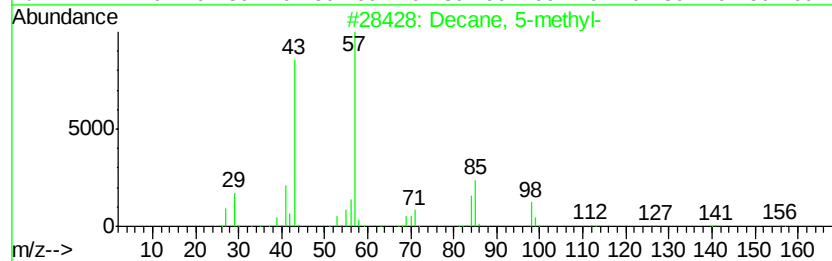
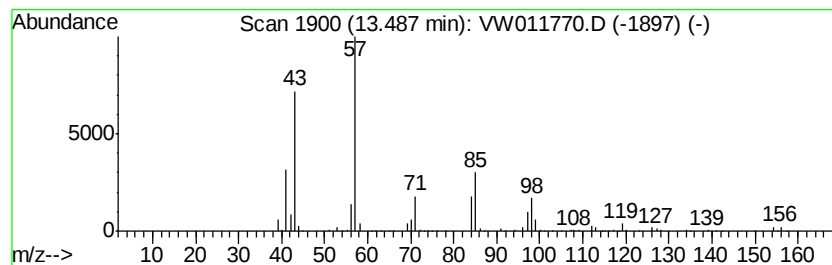
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	18.66 ug/L	338838	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	80
2		Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	59
3		1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	50
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
5		Tetradecane, 5-methyl-	212	C15H32	025117-32-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOB4

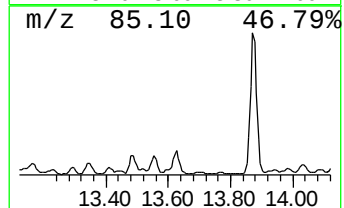
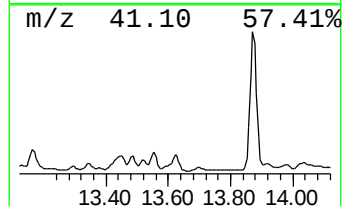
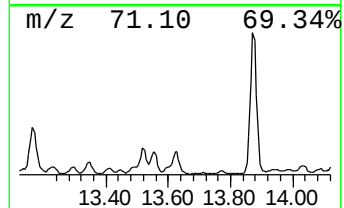
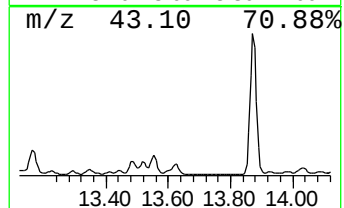
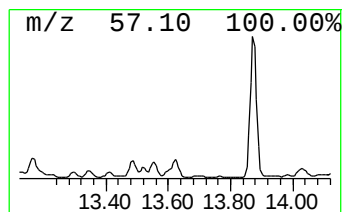
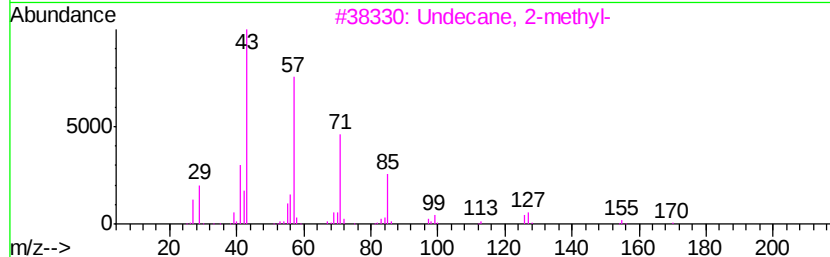
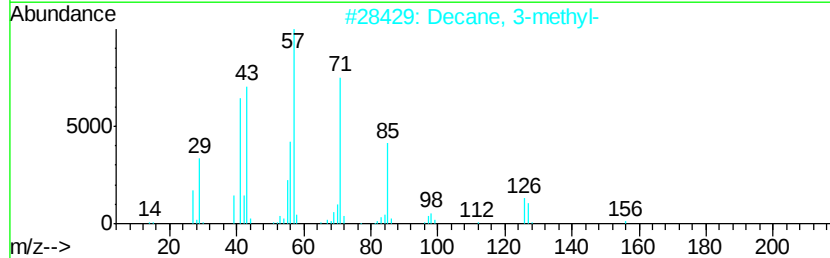
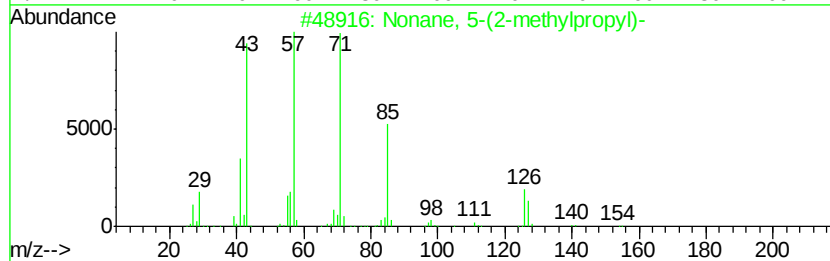
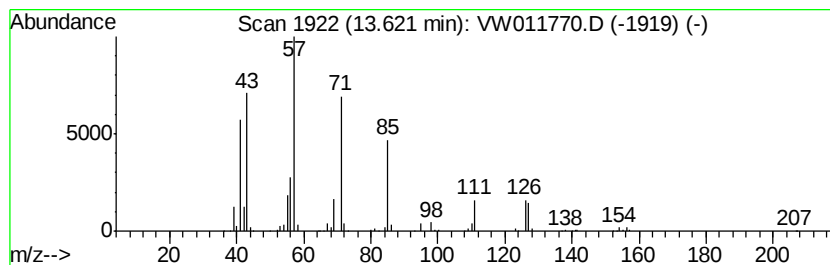
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	20.17 ug/L	366193	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	72
2		Decane, 3-methyl-	156	C11H24	013151-34-3	64
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	64
4		Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	64
5		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

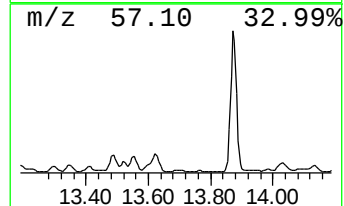
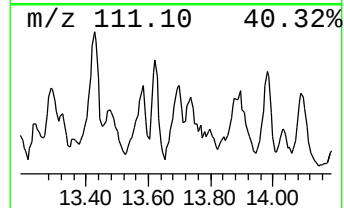
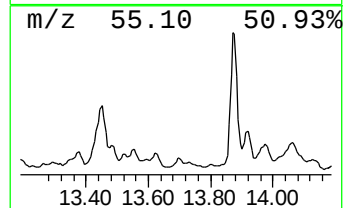
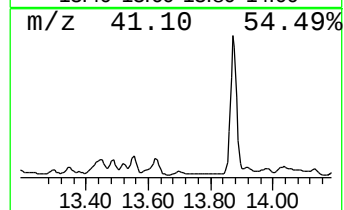
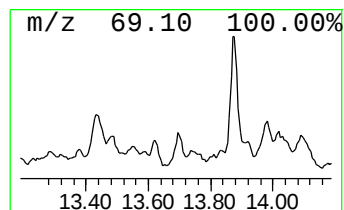
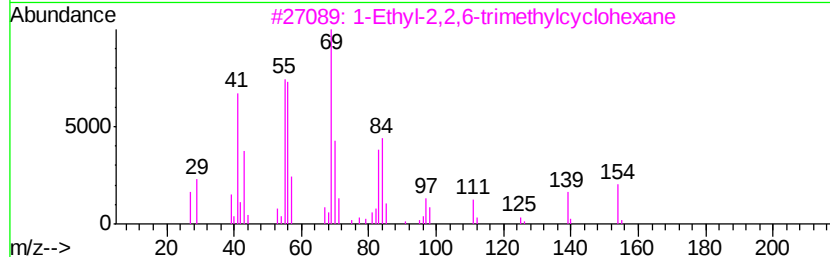
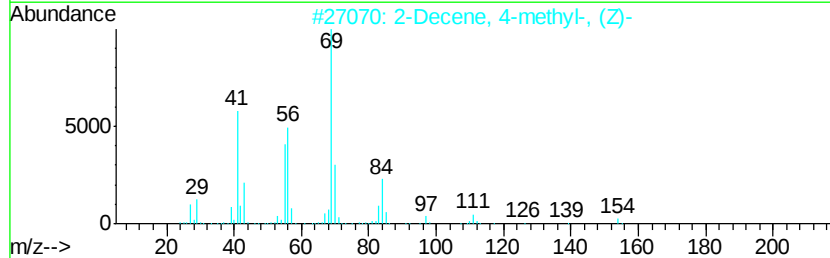
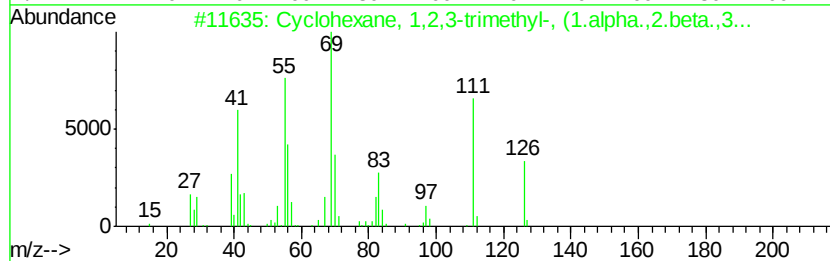
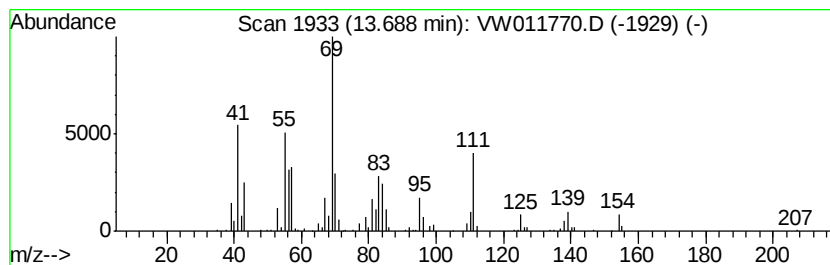
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic13.69 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	7.48 ug/L	135876	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
2			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	64
3			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	60
4			Cyclopentane, 1,2-dipropyl-	154	C11H22	091242-57-8	58
5			2-Undecene, 4-methyl-	168	C12H24	091695-32-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

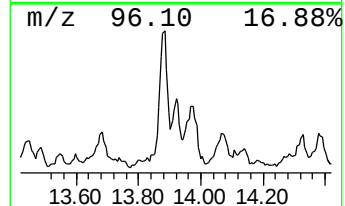
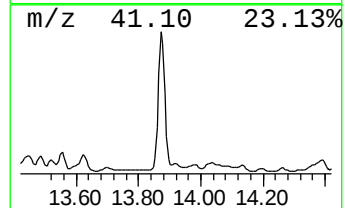
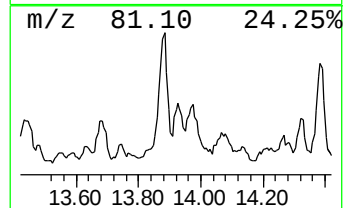
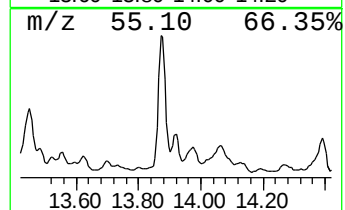
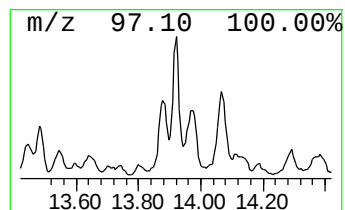
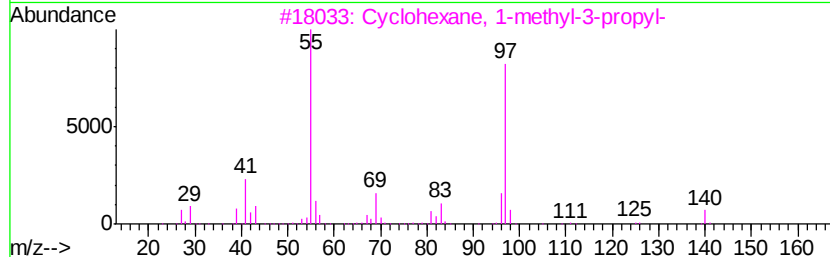
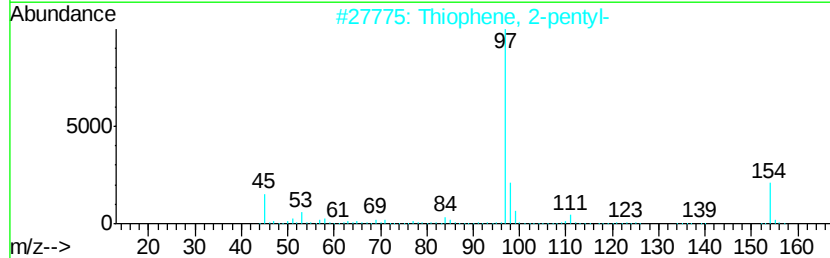
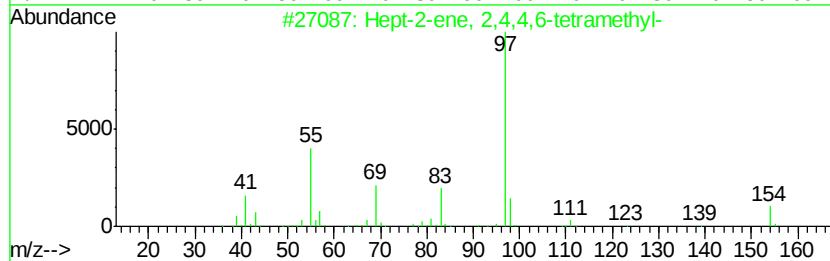
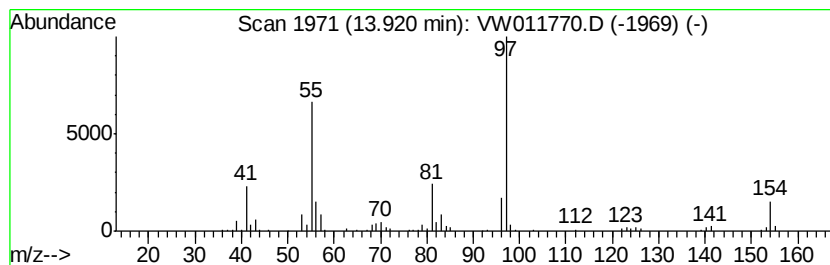
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Cyclic13.92 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	5.43 ug/L	98533	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	59
2			Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	53
3			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	50
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	50
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

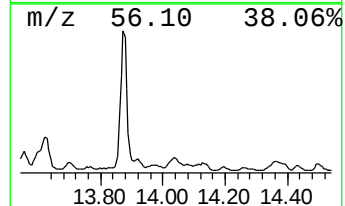
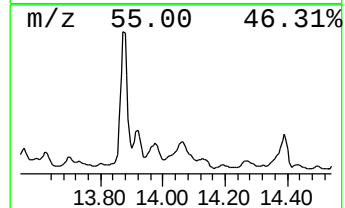
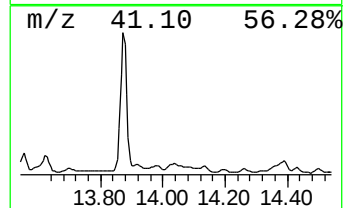
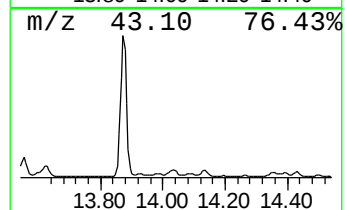
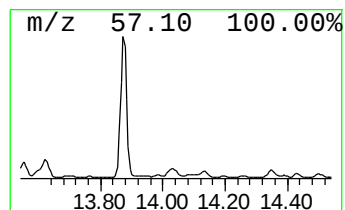
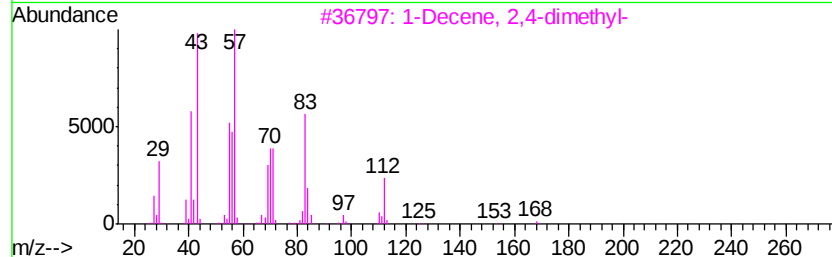
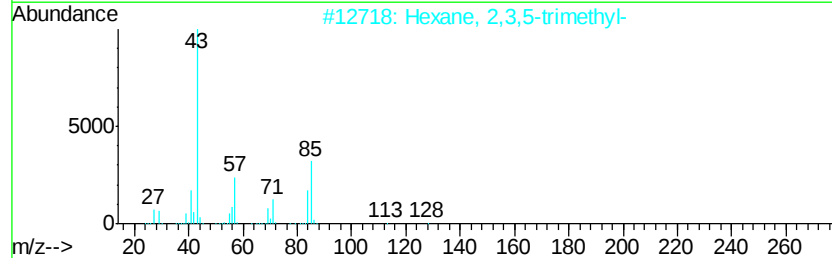
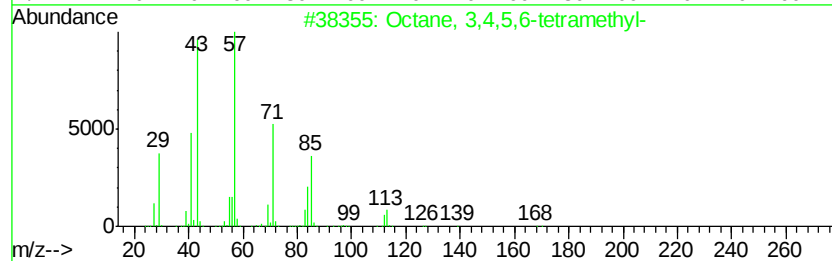
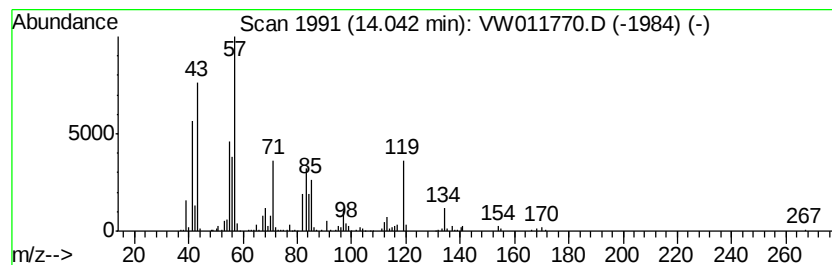
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	10.46 ug/L	190012	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59
2			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
3			1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	52
4			Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
5			Decane, 5-methyl-	156	C11H24	013151-35-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

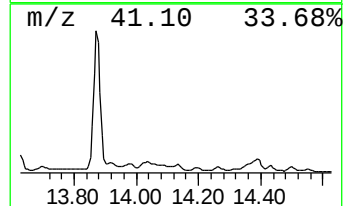
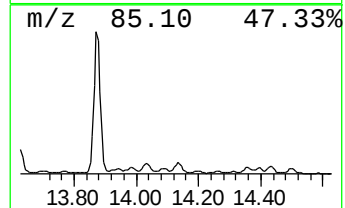
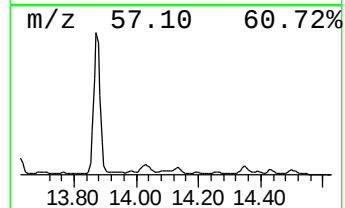
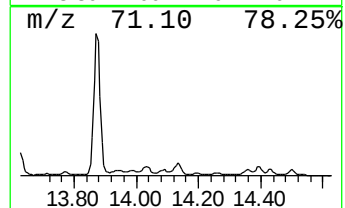
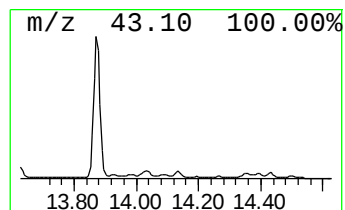
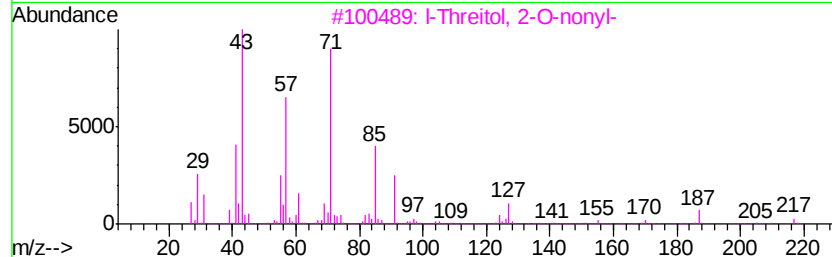
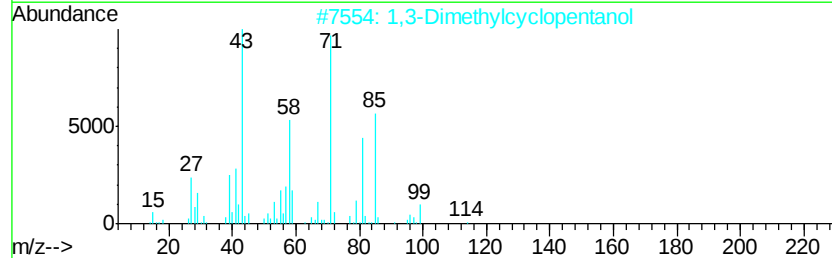
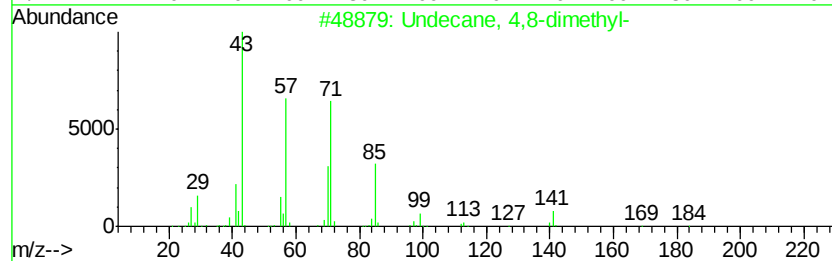
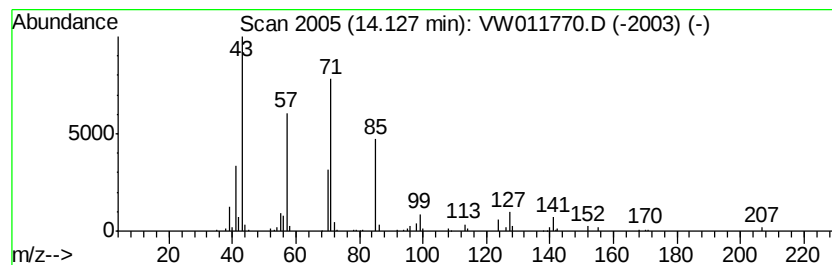
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	9.67 ug/L	175521	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	64
2			1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	64
3			l-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	59
4			Undecane, 4-methyl-	170	C12H26	002980-69-0	59
5			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

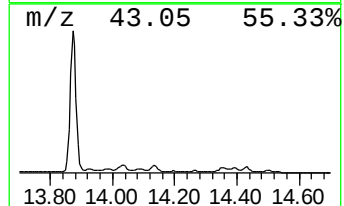
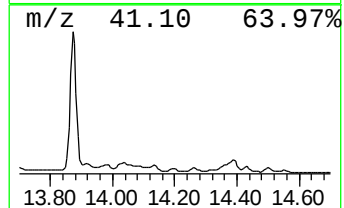
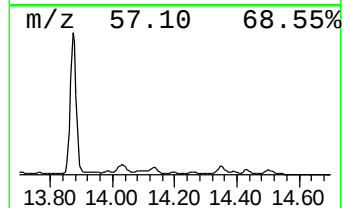
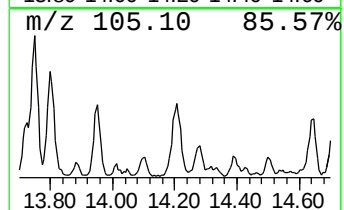
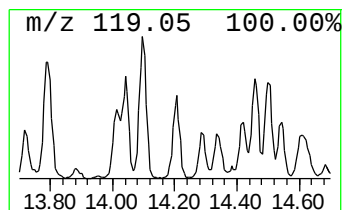
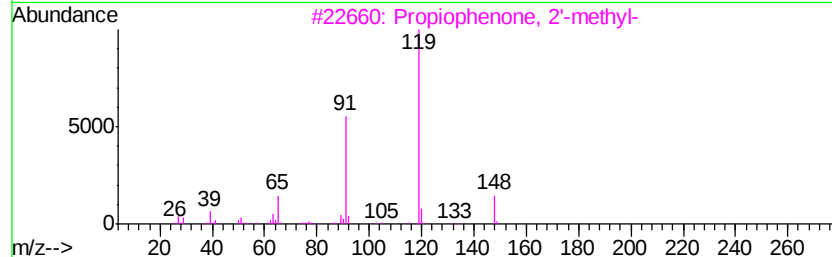
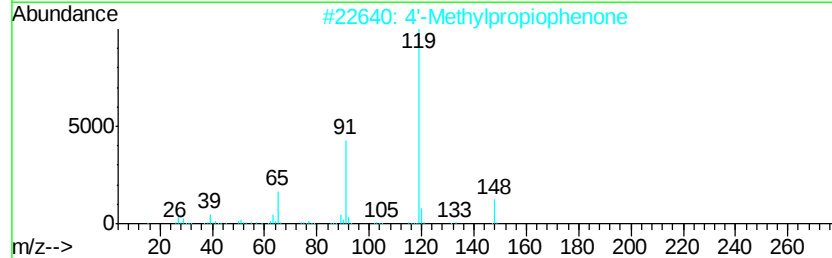
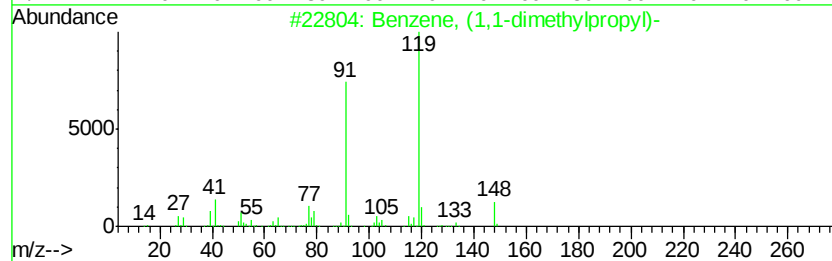
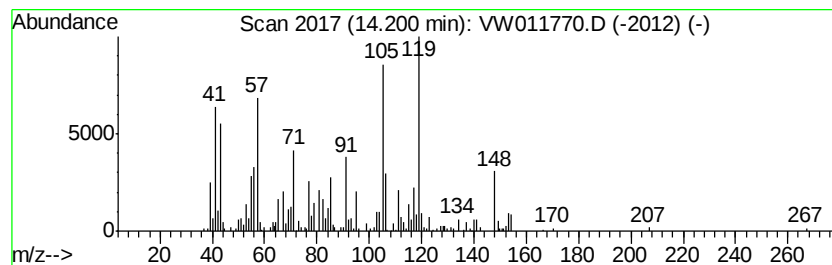
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Quant Title : VOC Analysis

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

Peak Number 39 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	7.07 ug/L	128340	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
2		4'-Methylpropiophenone	148	C10H12O	005337-93-9	27
3		Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	27
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	27
5		Benzonitrile, 2-hydroxy-	119	C7H5NO	000611-20-1	25



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

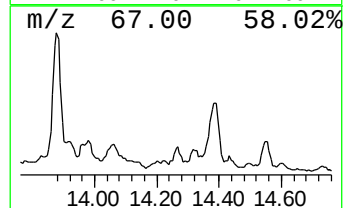
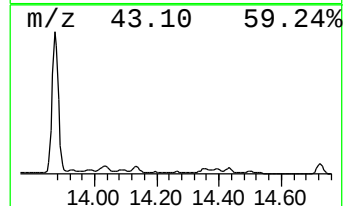
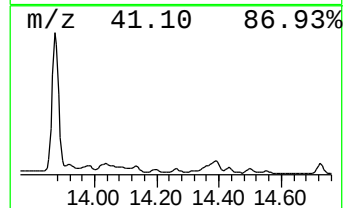
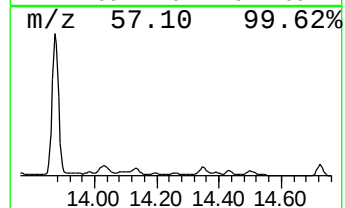
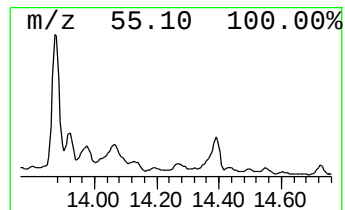
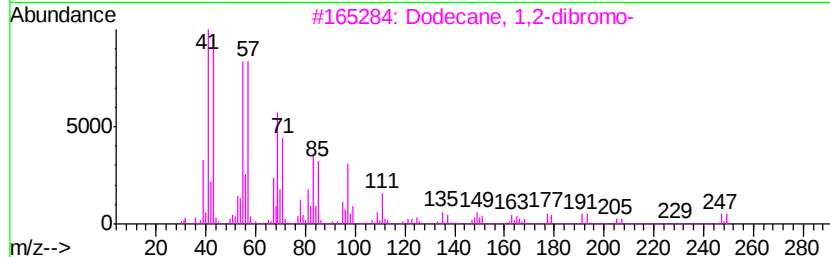
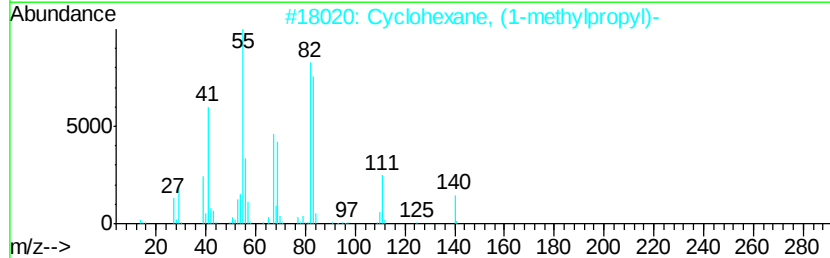
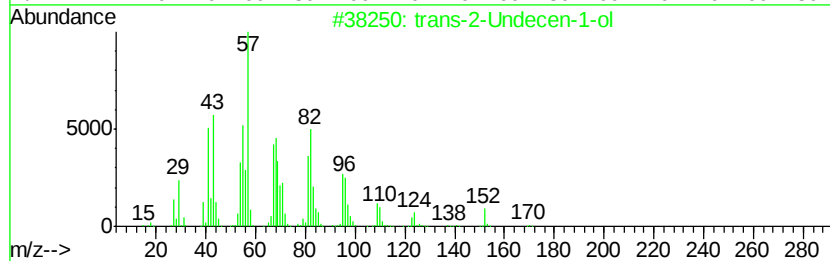
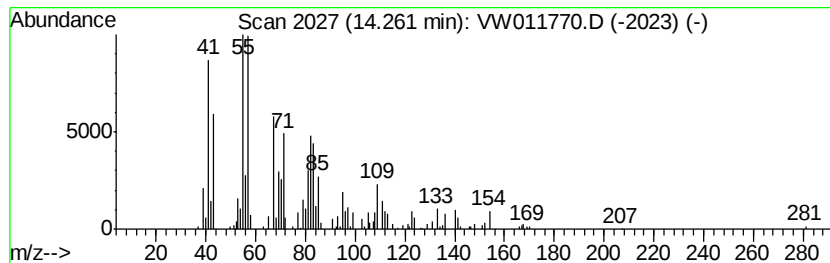
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Quant Title : VOC Analysis

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

Peak Number 40 unknown-03 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	8.43 ug/L	153024	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Undecen-1-ol			170	C11H22O	075039-84-8	43
2	Cyclohexane, (1-methylpropyl)-			140	C10H20	007058-01-7	42
3	Dodecane, 1,2-dibromo-			326	C12H24Br2	055334-42-4	38
4	Cyclohexane, (1-methylpropyl)-			140	C10H20	007058-01-7	38
5	Cyclohexane, (1-methylbutyl)-			154	C11H22	061208-94-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

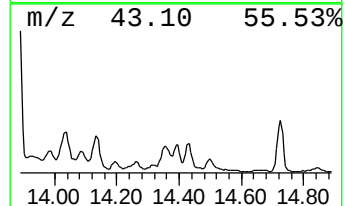
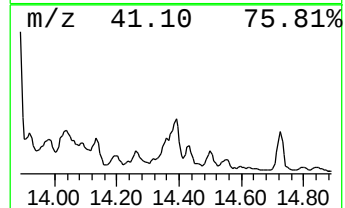
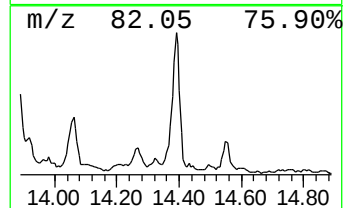
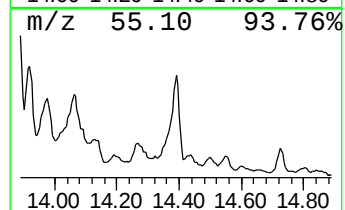
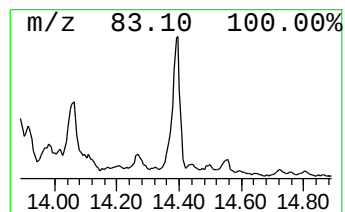
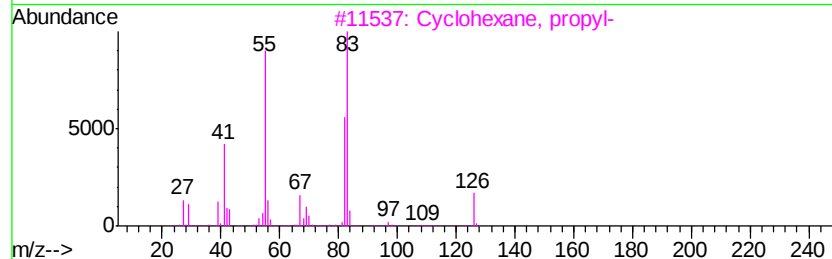
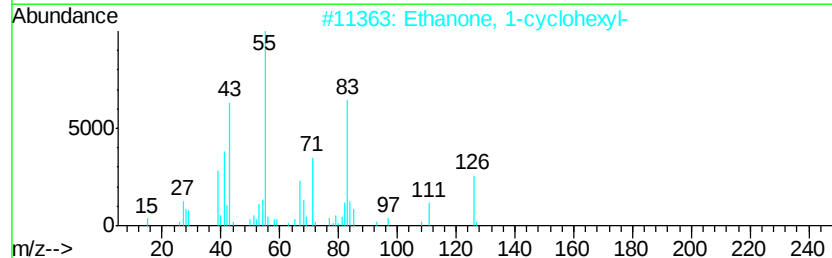
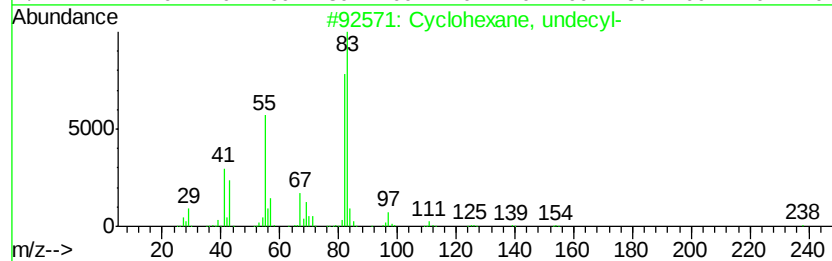
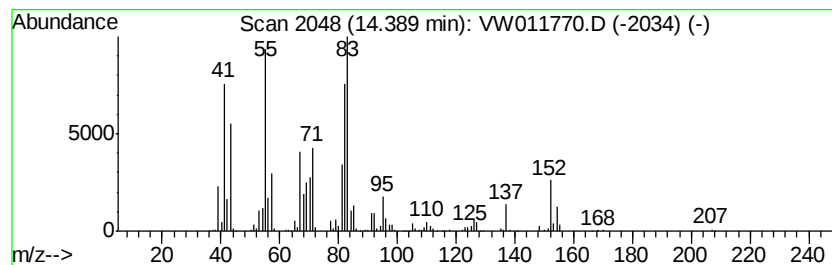
Instrument :
MSVOA_W
ClientSampleId :
ETOB4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic14.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.39	37.16 ug/L	674752	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, undecvyl-	238	C17H34	054105-66-7	47
2	Ethanone, 1-cvclohexyl-	126	C8H14O	000823-76-7	45
3	Cvclohexane, propvl-	126	C9H18	001678-92-8	43
4	Cvclohexane, (1-methvlethyl)-	126	C9H18	000696-29-7	43
5	Cvclohexane, (1-methvlethyl)-	126	C9H18	000696-29-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

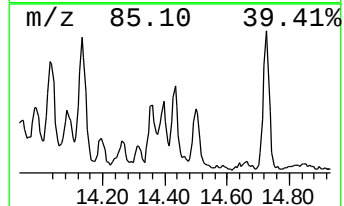
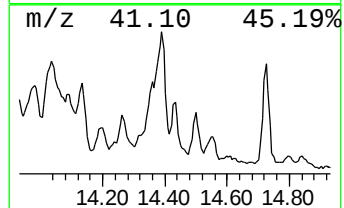
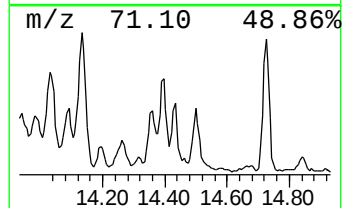
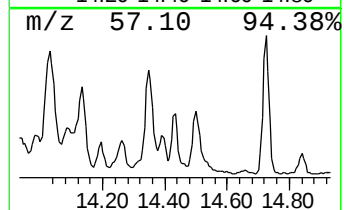
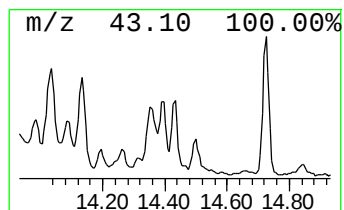
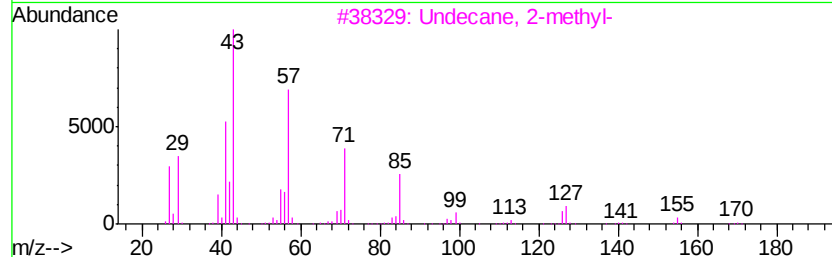
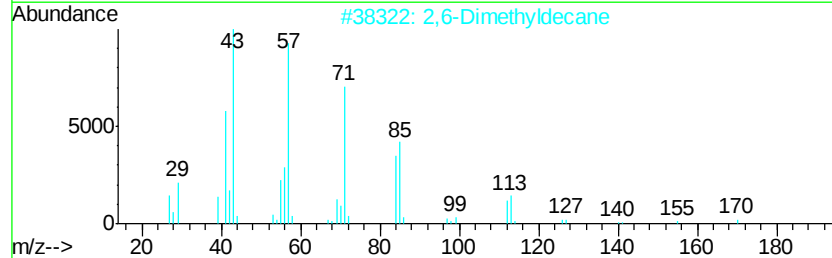
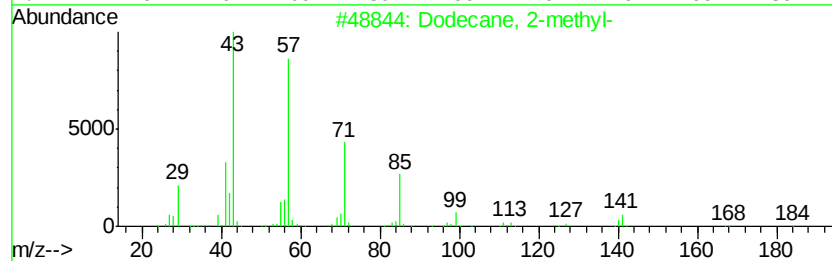
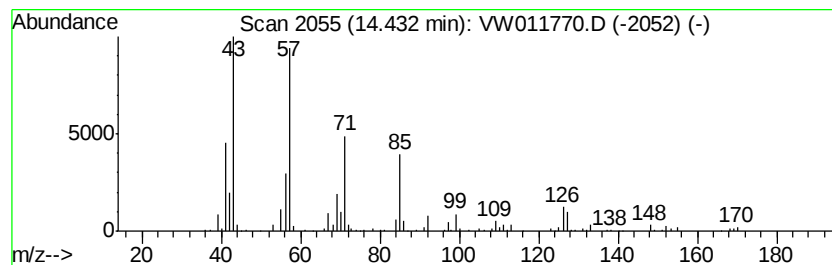
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	8.72 ug/L	158271	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
2		2,6-Dimethyldecane	170	C12H26	013150-81-7	64
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	59
4		Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	59
5		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

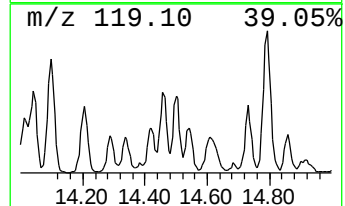
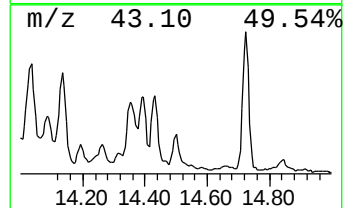
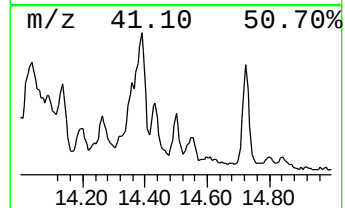
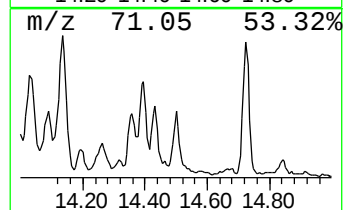
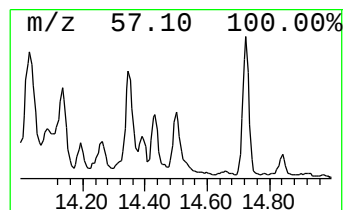
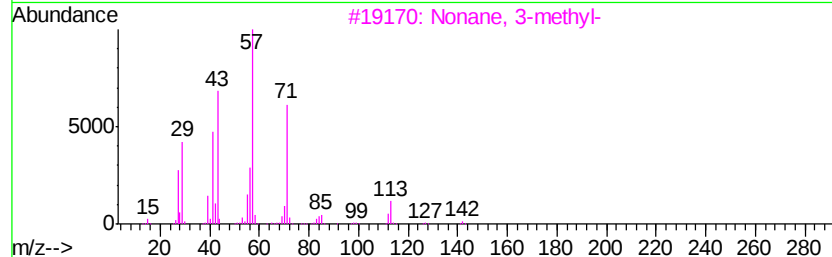
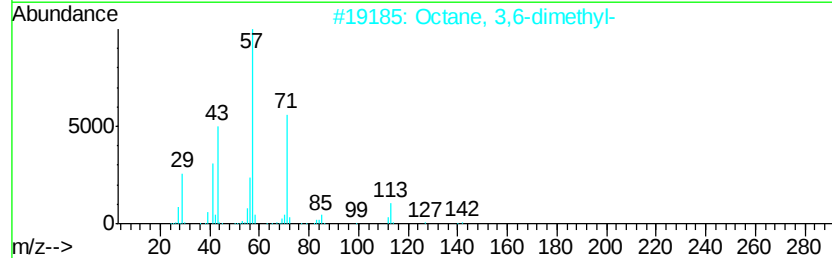
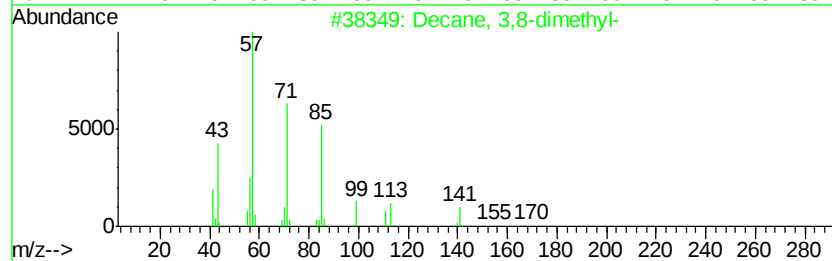
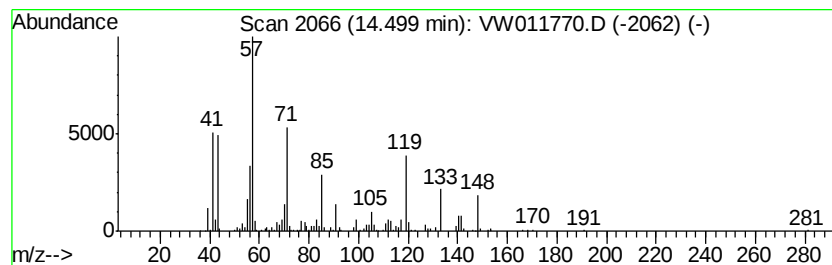
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	6.32 ug/L	114798	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	55
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	41
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	38
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

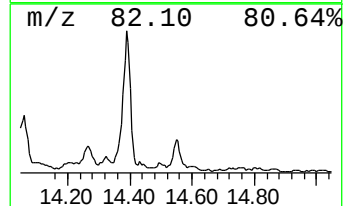
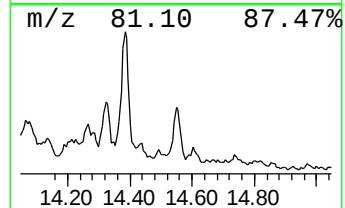
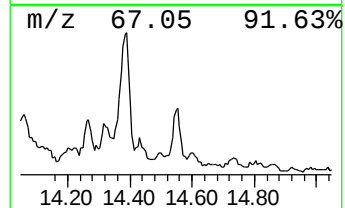
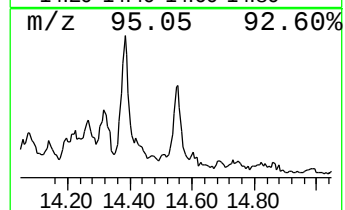
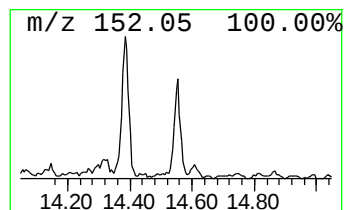
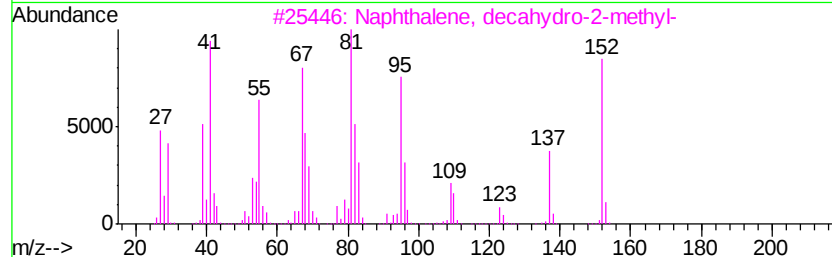
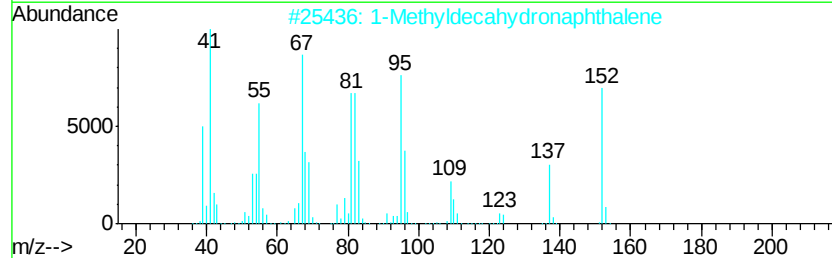
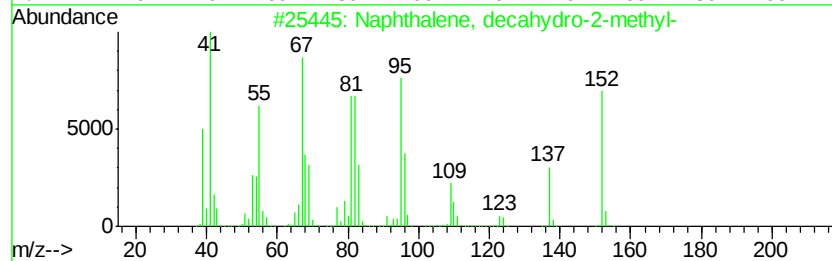
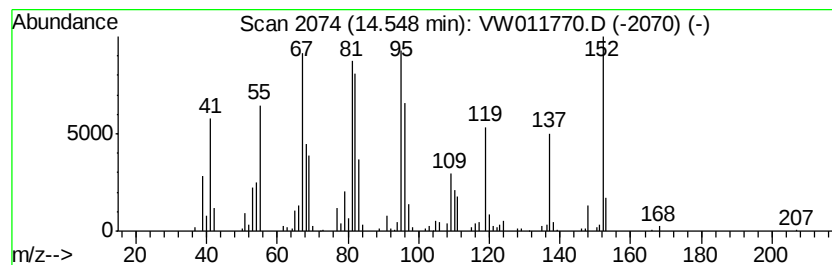
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Quant Title : VOC Analysis

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

Peak Number 44 Naphthalene, decahydro-2-me... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	5.49 ug/L	99684	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
5		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

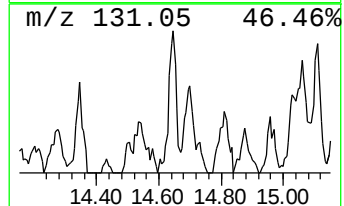
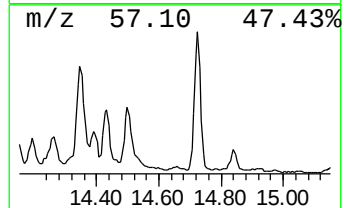
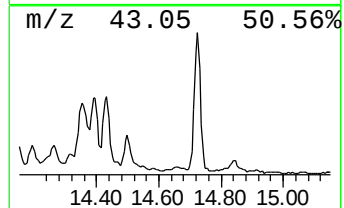
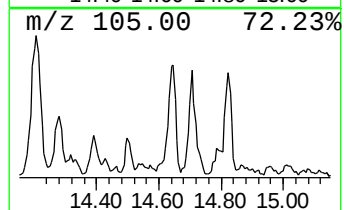
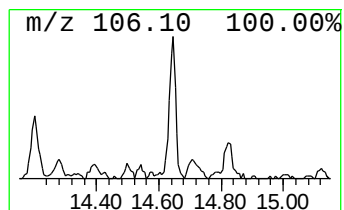
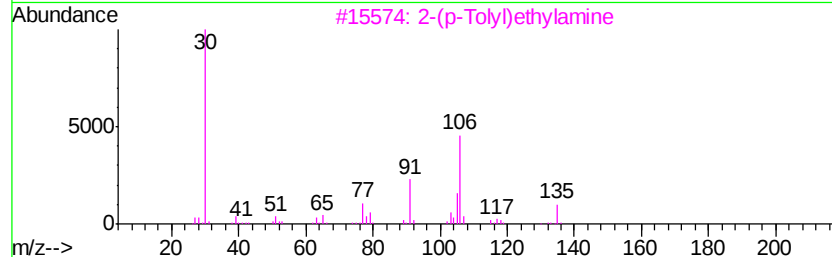
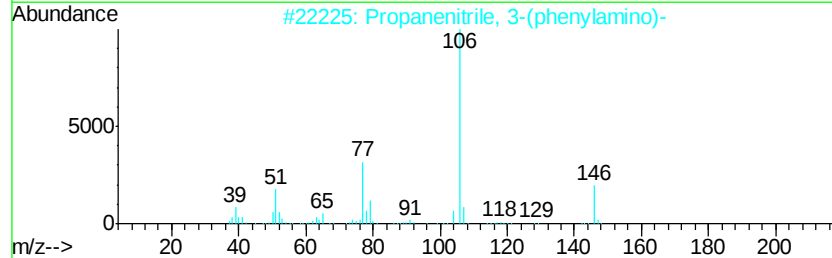
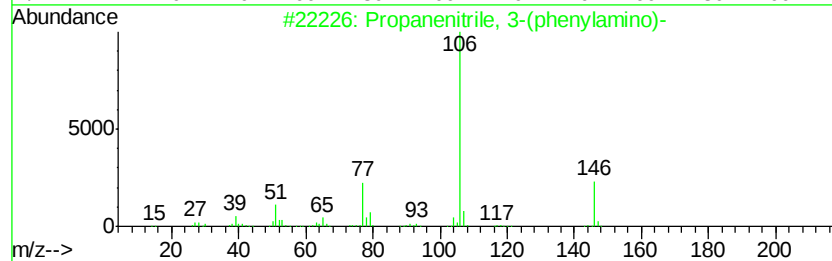
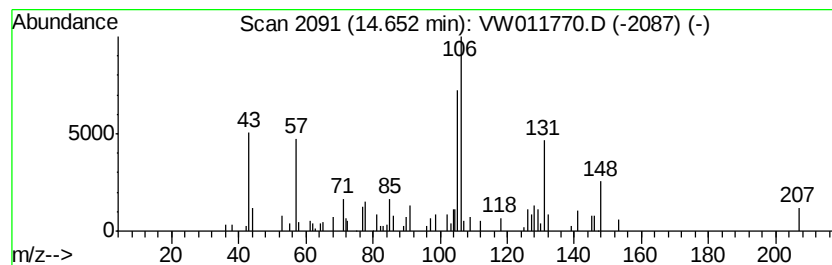
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Quant Title : VOC Analysis

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

Peak Number 45 unknown-04 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	1.64 ug/L	29714	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	43
2			Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	38
3			2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	28
4			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	27
5			N-Benzylbenzenesulfonamide	247	C13H13N02S	000837-18-3	23



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

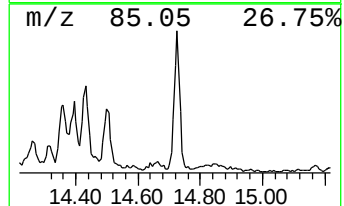
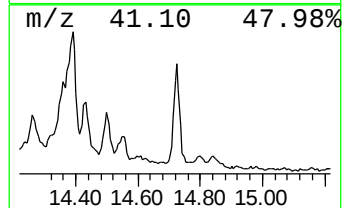
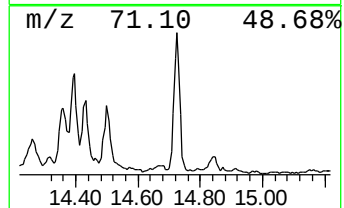
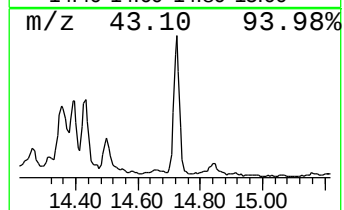
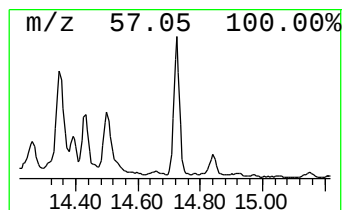
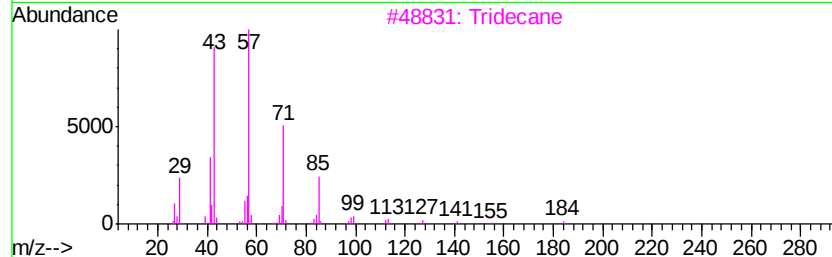
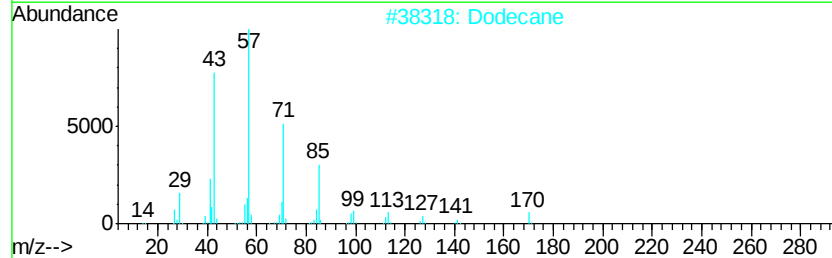
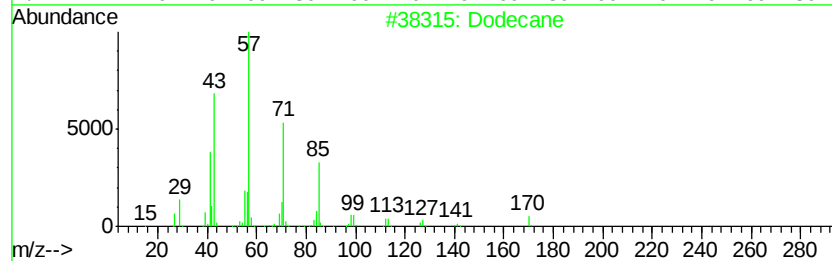
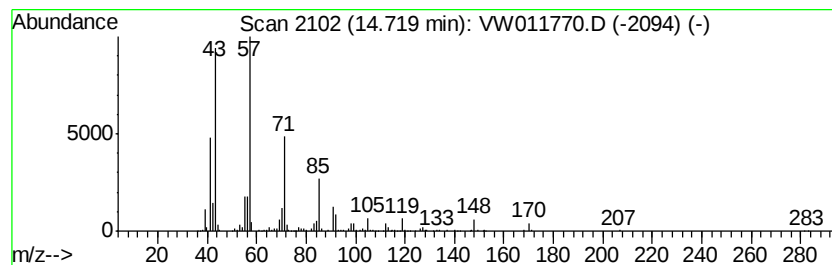
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	14.36 ug/L	260721	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	90
2		Dodecane	170	C12H26	000112-40-3	81
3		Tridecane	184	C13H28	000629-50-5	72
4		Undecane	156	C11H24	001120-21-4	72
5		Decane	142	C10H22	000124-18-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

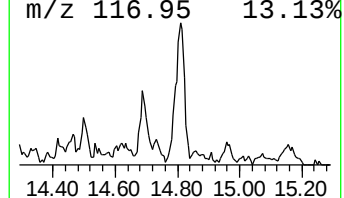
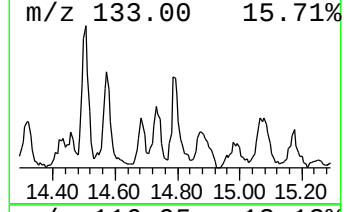
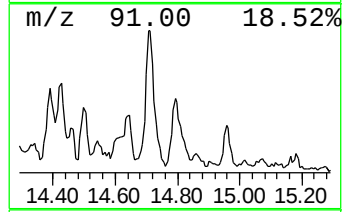
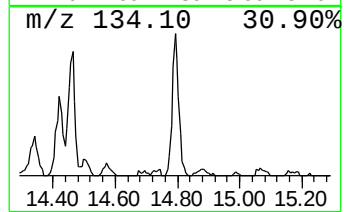
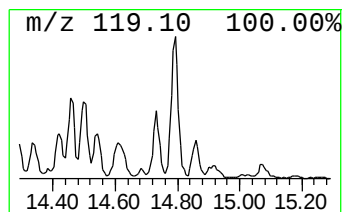
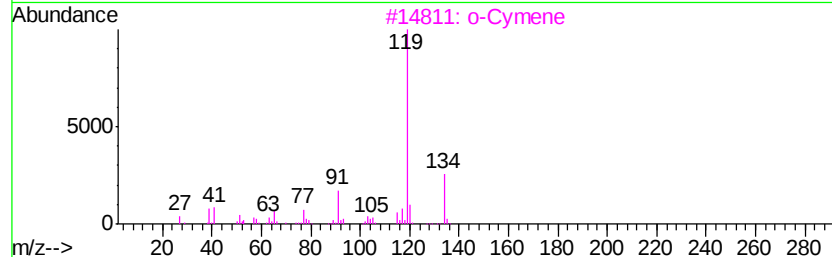
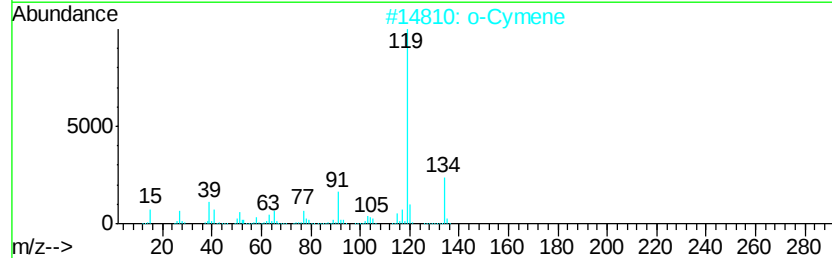
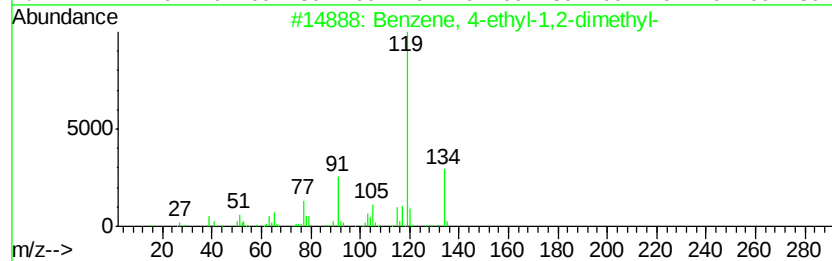
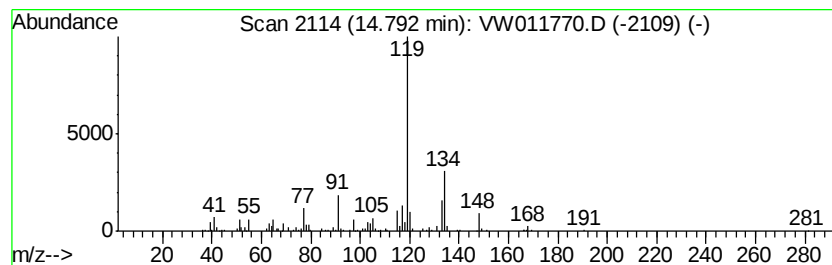
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Quant Title : VOC Analysis

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

Peak Number 47 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	5.21 ug/L	94674	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2		o-Cymene	134	C10H14	000527-84-4	93
3		o-Cymene	134	C10H14	000527-84-4	93
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

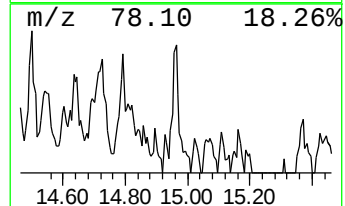
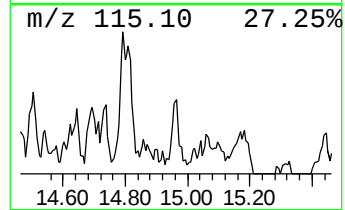
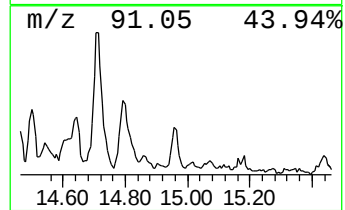
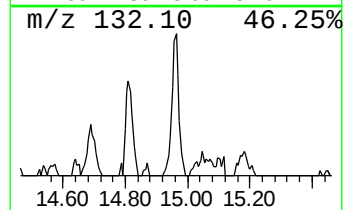
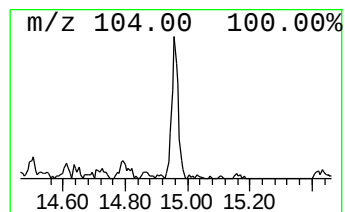
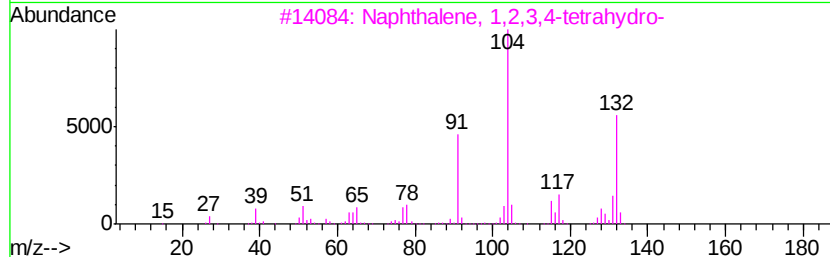
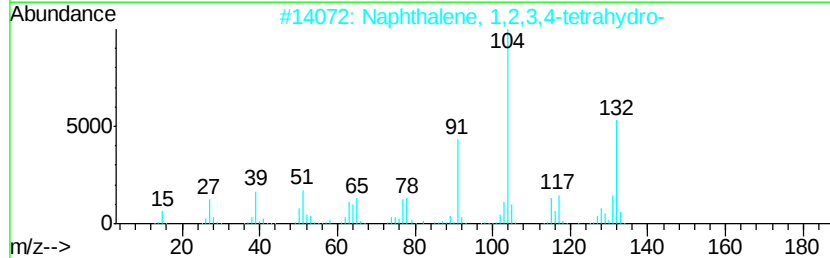
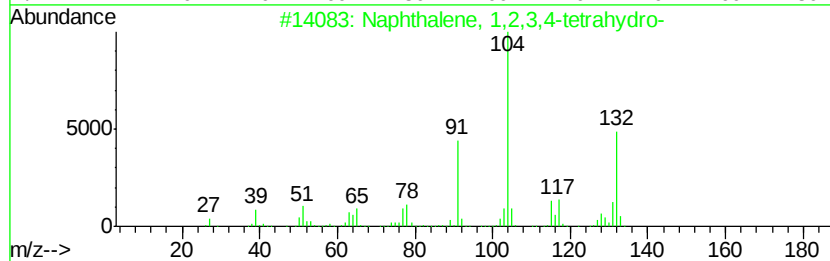
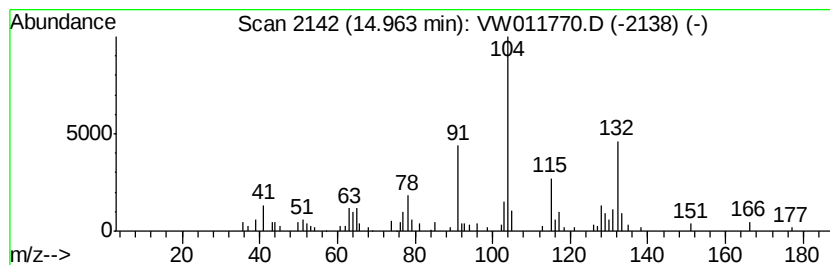
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Quant Title : VOC Analysis

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

Peak Number 48 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	1.28 ug/L	23274	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	90
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	74
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
5		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080919\
Data File : VW011770.D
Acq On : 08 Aug 2019 12:57
Operator : SY/VA
Sample : K4215-01
Misc : 5.25G/10ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB4

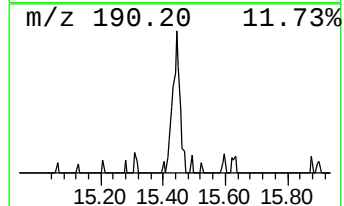
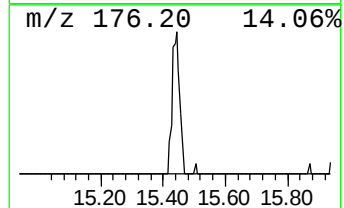
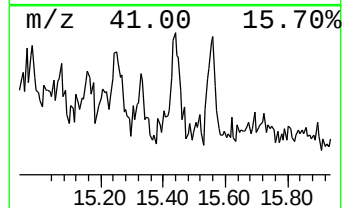
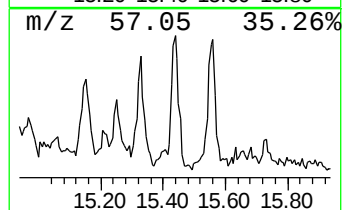
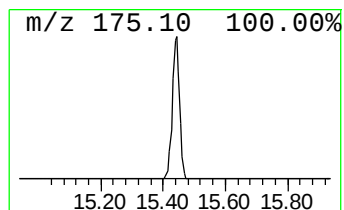
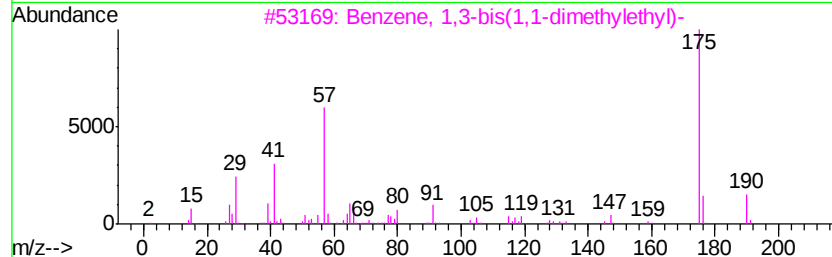
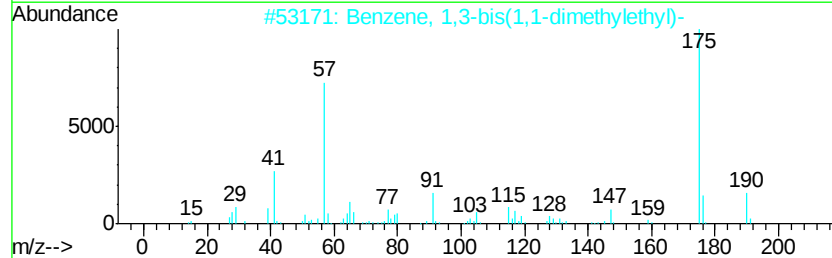
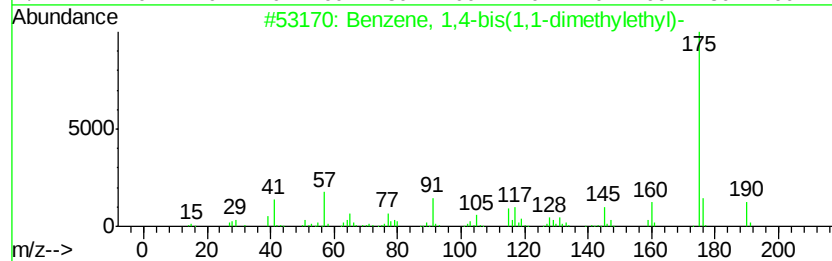
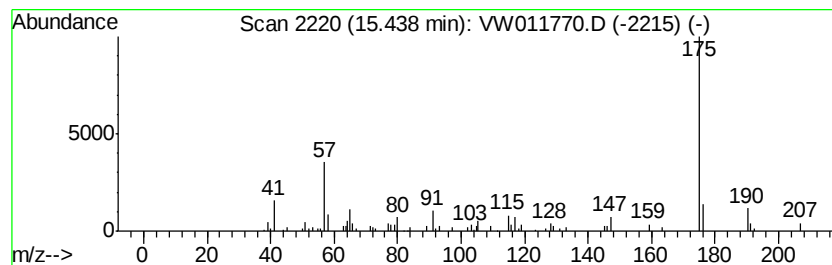
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1,4-bis(1,1-dimeth... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	1.34 ug/L	24395	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	87
2		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	87
3		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	83
4		Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	64
5		Benzo[b]thiophene, 2-ethyl-5,7-d...	190	C12H14S	018428-05-2	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
 Data File : VW011770.D
 Acq On : 08 Aug 2019 12:57
 Operator : SY/VA
 Sample : K4215-01
 Misc : 5.25G/10ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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: Cyc...	3.86	1.6	ug/L	30688	1	8.84	488397	25.0
1-Butanol	9.03	1.4	ug/L	27110	1	8.84	488397	25.0
(DEL) Alkane: Str...	10.51	2.2	ug/L	28776	2	11.63	325753	25.0
(DEL) Alkane: Cyc...	11.18	1.7	ug/L	21936	2	11.63	325753	25.0
(DEL) Alkane: Cyc...	11.23	1.3	ug/L	17070	2	11.63	325753	25.0
(DEL) Alkane: Str...	11.34	1.6	ug/L	21511	2	11.63	325753	25.0
(DEL) Alkane: Str...	11.41	8.7	ug/L	113703	2	11.63	325753	25.0
(DEL) Alkane: Str...	11.51	9.1	ug/L	118042	2	11.63	325753	25.0
(DEL) Alkane: Cyc...	11.92	6.5	ug/L	84868	2	11.63	325753	25.0
(DEL) Alkane: Cyc...	11.98	1.7	ug/L	21719	2	11.63	325753	25.0
(DEL) Alkane: Str...	12.06	3.1	ug/L	40891	2	11.63	325753	25.0
(DEL) Alkane: Str...	12.26	16.3	ug/L	212760	2	11.63	325753	25.0
(DEL) Alkane: Cyc...	12.30	5.1	ug/L	66077	2	11.63	325753	25.0
(DEL) Alkane: Cyc...	12.38	35.4	ug/L	461261	2	11.63	325753	25.0
(DEL) Alkane: Str...	12.54	16.4	ug/L	213360	2	11.63	325753	25.0
(DEL) Alkane: Str...	12.57	12.7	ug/L	165420	2	11.63	325753	25.0
(DEL) Alkane: Str...	12.75	1.3	ug/L	24258	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	12.78	10.2	ug/L	184746	3	13.56	453977	25.0
Benzene, 1-ethyl-...	12.87	11.0	ug/L	199868	3	13.56	453977	25.0
(DEL) Alkane: Str...	12.93	143.1	ug/L	2599170	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	12.99	12.4	ug/L	224394	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	13.08	13.3	ug/L	241383	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	13.13	7.6	ug/L	138197	3	13.56	453977	25.0
(DEL) Alkane: Str...	13.16	32.8	ug/L	595307	3	13.56	453977	25.0
Benzene, 1,2,3-tr...	13.26	7.7	ug/L	140179	3	13.56	453977	25.0
(DEL) Alkane: Str...	13.29	5.1	ug/L	92797	3	13.56	453977	25.0
(DEL) Alkane: Str...	13.35	7.7	ug/L	140115	3	13.56	453977	25.0
unknown-01	13.38	2.9	ug/L	52993	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	13.44	34.1	ug/L	619744	3	13.56	453977	25.0
(DEL) Alkane: Str...	13.49	18.7	ug/L	338838	3	13.56	453977	25.0
(DEL) Alkane: Str...	13.62	20.2	ug/L	366193	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	13.69	7.5	ug/L	135876	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	13.92	5.4	ug/L	98533	3	13.56	453977	25.0
(DEL) Alkane: Str...	14.04	10.5	ug/L	190012	3	13.56	453977	25.0
(DEL) Alkane: Str...	14.13	9.7	ug/L	175521	3	13.56	453977	25.0
unknown-02	14.20	7.1	ug/L	128340	3	13.56	453977	25.0
unknown-03	14.26	8.4	ug/L	153024	3	13.56	453977	25.0
(DEL) Alkane: Cyc...	14.39	37.2	ug/L	674752	3	13.56	453977	25.0
(DEL) Alkane: Str...	14.43	8.7	ug/L	158271	3	13.56	453977	25.0
(DEL) Alkane: Str...	14.50	6.3	ug/L	114798	3	13.56	453977	25.0
Naphthalene, deca...	14.55	5.5	ug/L	99684	3	13.56	453977	25.0
unknown-04	14.65	1.6	ug/L	29714	3	13.56	453977	25.0
(DEL) Alkane: Str...	14.72	14.4	ug/L	260721	3	13.56	453977	25.0
Benzene, 4-ethyl-...	14.79	5.2	ug/L	94674	3	13.56	453977	25.0
Naphthalene, 1,2,...	14.96	1.3	ug/L	23274	3	13.56	453977	25.0
Benzene, 1,4-bis(...	15.44	1.3	ug/L	24395	3	13.56	453977	25.0