

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
 Data File : VW011766.D
 Acq On : 08 Aug 2019 11:13
 Operator : SY/VA
 Sample : K4215-04
 Misc : 3.95G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOB5

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	5	8	25	rVB3	26971	63479	3.79%	0.354%
2	2.148	35	40	42	rBV2	8846	16130	0.96%	0.090%
3	2.349	65	73	84	rVB	101097	178329	10.64%	0.994%
4	2.635	113	120	121	rBV3	11008	15994	0.95%	0.089%
5	2.861	148	157	174	rVV	38508	124651	7.44%	0.695%
6	3.007	174	181	191	rVB2	21368	55514	3.31%	0.310%
7	3.373	234	241	252	rVB4	11207	30093	1.80%	0.168%
8	3.843	309	318	331	rBV8	4299	14394	0.86%	0.080%
9	4.013	334	346	357	rBV	123468	405132	24.17%	2.259%
10	4.117	357	363	376	rVB	28493	81776	4.88%	0.456%
11	4.903	479	492	503	rBV7	10832	57777	3.45%	0.322%
12	4.995	505	507	517	rVV4	6187	14717	0.88%	0.082%
13	5.123	517	528	536	rVB3	3742	13567	0.81%	0.076%
14	5.428	567	578	589	rVV5	8661	32026	1.91%	0.179%
15	5.934	649	661	671	rVB4	7094	22002	1.31%	0.123%
16	6.708	778	788	789	rBV2	9275	18411	1.10%	0.103%
17	6.872	804	815	824	rBV3	14029	46517	2.78%	0.259%
18	6.970	824	831	839	rVV3	11885	35831	2.14%	0.200%
19	7.074	839	848	855	rVV	94036	274286	16.36%	1.529%
20	7.153	855	861	877	rVB3	49179	183216	10.93%	1.022%
21	7.647	930	942	967	rBV2	196140	627663	37.45%	3.500%
22	7.866	970	978	983	rBV4	8082	23162	1.38%	0.129%
23	7.952	983	992	997	rVV3	40297	110776	6.61%	0.618%
24	8.031	997	1005	1017	rVV	175536	457951	27.32%	2.553%
25	8.153	1017	1025	1030	rVV	93515	211240	12.60%	1.178%
26	8.214	1030	1035	1038	rVV	60501	137898	8.23%	0.769%
27	8.269	1038	1044	1061	rVV2	410656	1387699	82.79%	7.737%
28	8.427	1061	1070	1076	rVV3	97551	274341	16.37%	1.530%
29	8.500	1076	1082	1088	rVV3	65947	181851	10.85%	1.014%
30	8.567	1088	1093	1105	rVB2	31039	76631	4.57%	0.427%
31	8.695	1105	1114	1123	rVB3	10696	27727	1.65%	0.155%
32	8.842	1127	1138	1149	rBV	445703	883579	52.71%	4.927%
33	9.092	1170	1179	1181	rBV5	20314	43434	2.59%	0.242%
34	9.146	1181	1188	1200	rVB	209822	432383	25.80%	2.411%

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35	9.274	1200	1209	1213	rBV2	330325	798608	47.64%	4.453%
36	9.329	1213	1218	1223	rVV	838229	1676213	100.00%	9.346%
37	9.384	1223	1227	1235	rVB	414180	762235	45.47%	4.250%
38	9.463	1235	1240	1245	rBV	20742	40588	2.42%	0.226%
39	9.573	1252	1258	1262	rBV	136700	305203	18.21%	1.702%
40	9.750	1280	1287	1297	rVB2	98302	202457	12.08%	1.129%
41	9.896	1299	1311	1316	rBV	109597	232598	13.88%	1.297%
42	9.939	1316	1318	1323	rVB3	24050	35938	2.14%	0.200%
43	10.037	1328	1334	1338	rBV	137002	255282	15.23%	1.423%
44	10.079	1338	1341	1345	rVB2	54352	81498	4.86%	0.454%
45	10.128	1345	1349	1357	rVB2	44776	89714	5.35%	0.500%
46	10.207	1357	1362	1364	rBV3	12854	21320	1.27%	0.119%
47	10.244	1365	1368	1373	rVB2	20461	34231	2.04%	0.191%
48	10.323	1373	1381	1389	rBV	610046	1241962	74.09%	6.925%
49	10.488	1403	1408	1416	rVB2	51706	113624	6.78%	0.634%
50	10.579	1416	1423	1432	rBV	95654	180822	10.79%	1.008%
51	10.665	1432	1437	1441	rVV	58084	106306	6.34%	0.593%
52	10.701	1441	1443	1447	rVV	28800	41896	2.50%	0.234%
53	10.762	1447	1453	1462	rVB3	52407	107226	6.40%	0.598%
54	10.853	1462	1468	1473	rVB3	15363	30235	1.80%	0.169%
55	10.921	1473	1479	1488	rBV	278828	503404	30.03%	2.807%
56	11.067	1498	1503	1507	rVB	35854	57361	3.42%	0.320%
57	11.146	1512	1516	1518	rVV4	9378	14120	0.84%	0.079%
58	11.177	1518	1521	1524	rVV4	22841	33290	1.99%	0.186%
59	11.225	1524	1529	1533	rVV3	33713	63768	3.80%	0.356%
60	11.280	1533	1538	1544	rVB6	28697	67409	4.02%	0.376%
61	11.335	1544	1547	1551	rVB3	10420	15757	0.94%	0.088%
62	11.408	1551	1559	1570	rVB6	26468	92536	5.52%	0.516%
63	11.518	1570	1577	1586	rBV3	22761	56434	3.37%	0.315%
64	11.628	1588	1595	1603	rBV	495214	852816	50.88%	4.755%
65	11.731	1604	1612	1617	rBV	57993	99299	5.92%	0.554%
66	11.835	1621	1629	1634	rBV	122923	244749	14.60%	1.365%
67	12.042	1658	1663	1671	rVB5	5565	15828	0.94%	0.088%
68	12.164	1671	1683	1691	rBV	153348	293291	17.50%	1.635%
69	12.250	1691	1697	1701	rVB3	8266	19173	1.14%	0.107%
70	12.341	1701	1712	1722	rBV5	17237	66380	3.96%	0.370%
71	12.469	1726	1733	1738	rBV3	17847	31253	1.86%	0.174%

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72	12.603	1746	1755	1761	rVB2	31362	67098	4.00%	0.374%
73	12.695	1763	1770	1776	rVB	218963	354200	21.13%	1.975%
74	12.804	1776	1788	1793	rVB	24134	70400	4.20%	0.393%
75	12.865	1793	1798	1800	rBV	22320	33455	2.00%	0.187%
76	12.896	1800	1803	1807	rVV3	23316	43896	2.62%	0.245%
77	12.938	1807	1810	1817	rVB4	26297	45876	2.74%	0.256%
78	13.103	1830	1837	1841	rBV	38912	69594	4.15%	0.388%
79	13.152	1842	1845	1849	rVV5	8708	17851	1.06%	0.100%
80	13.195	1849	1852	1857	rVV3	8217	15188	0.91%	0.085%
81	13.249	1857	1861	1866	rVV	43574	65274	3.89%	0.364%
82	13.347	1872	1877	1880	rVV5	7633	14407	0.86%	0.080%
83	13.408	1884	1887	1891	rVB3	10403	14982	0.89%	0.084%
84	13.560	1905	1912	1924	rBV	307776	577575	34.46%	3.220%
85	13.719	1933	1938	1941	rBV	20055	31684	1.89%	0.177%
86	13.755	1941	1944	1948	rVV4	16669	27555	1.64%	0.154%
87	13.798	1948	1951	1954	rVV2	15642	22199	1.32%	0.124%
88	13.853	1954	1960	1972	rVB	340504	586697	35.00%	3.271%
89	13.951	1972	1976	1982	rVB2	8440	14199	0.85%	0.079%
90	14.200	2013	2017	2023	rVB4	12679	23121	1.38%	0.129%
91	14.335	2033	2039	2044	rVV5	10551	20429	1.22%	0.114%
92	14.725	2099	2103	2108	rVB2	23577	38283	2.28%	0.213%
93	14.810	2109	2117	2131	rVB6	22344	77271	4.61%	0.431%
94	14.981	2132	2145	2149	rBV3	22966	69052	4.12%	0.385%
95	15.060	2149	2158	2165	rBV3	24944	78611	4.69%	0.438%
96	15.164	2171	2175	2182	rVB2	19275	38437	2.29%	0.214%
97	15.438	2215	2220	2226	rVV3	11932	23482	1.40%	0.131%
98	15.493	2226	2229	2235	rVB	8034	15054	0.90%	0.084%
99	16.090	2324	2327	2337	rVB10	7628	19790	1.18%	0.110%
100	16.432	2378	2383	2390	rVV10	5589	14238	0.85%	0.079%

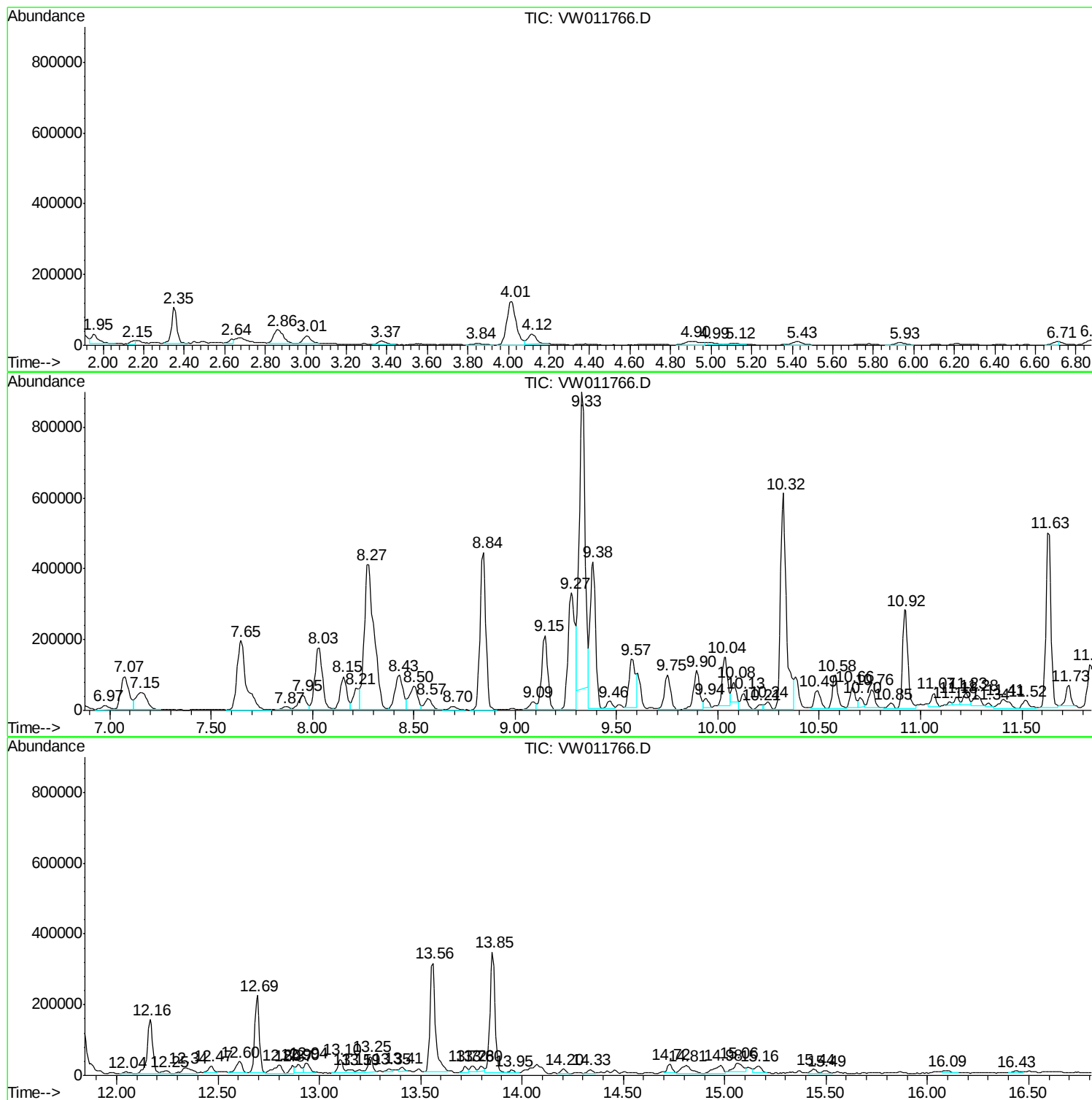
Sum of corrected areas: 17934899

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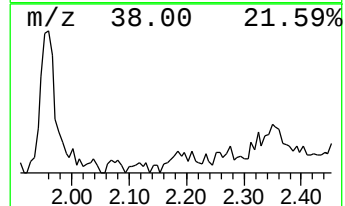
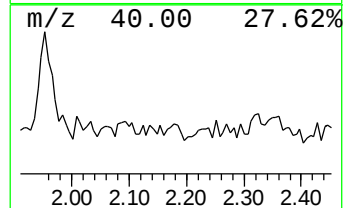
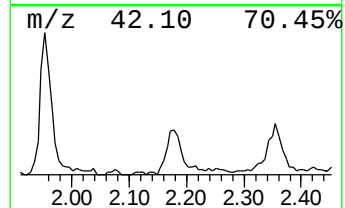
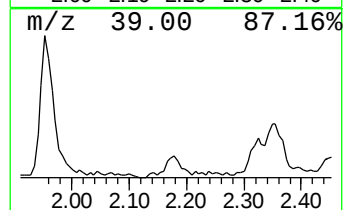
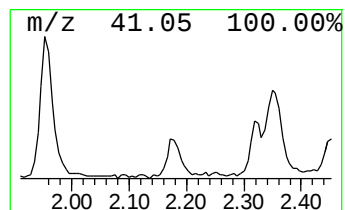
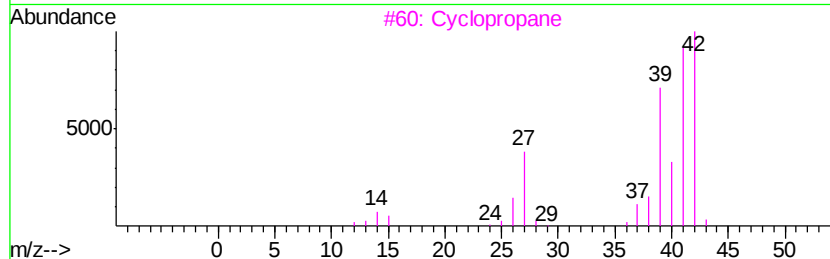
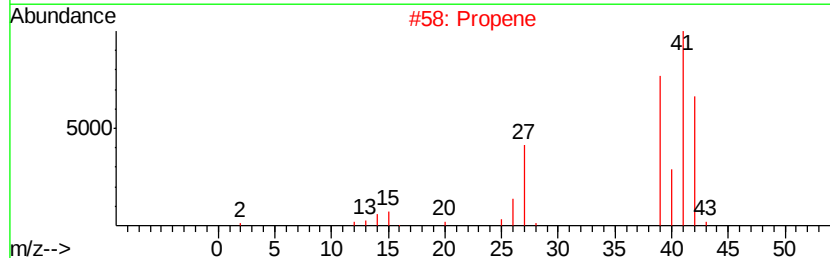
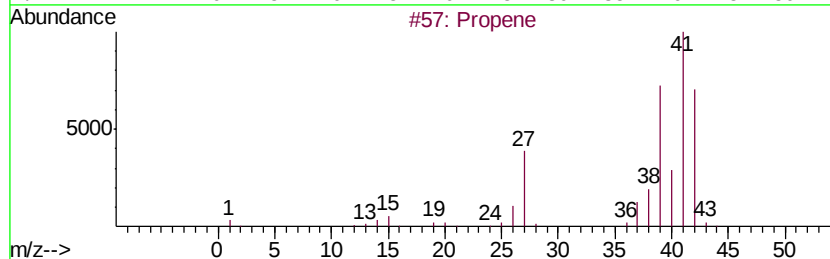
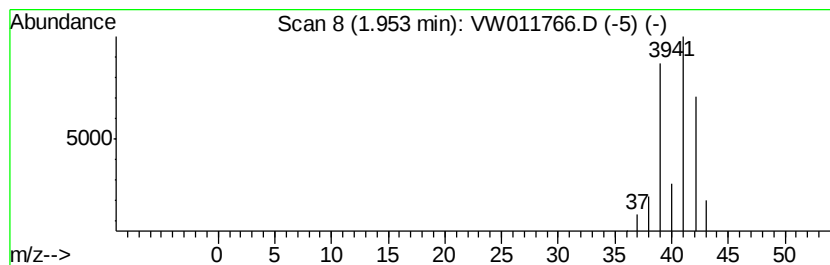
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Cyclic1.95 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	1.80 ug/L	63479	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Propene	42	C3H6	000115-07-1	45
3			Cyclopropane	42	C3H6	000075-19-4	43
4			Cyclopropane	42	C3H6	000075-19-4	9
5			Cyclopropene	40	C3H4	002781-85-3	9



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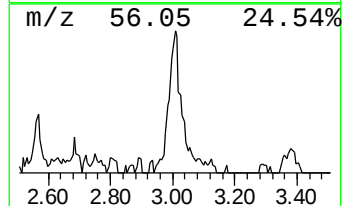
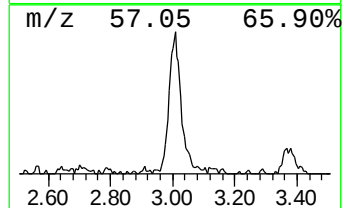
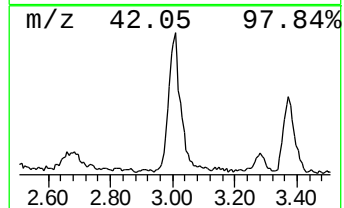
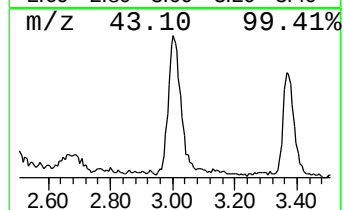
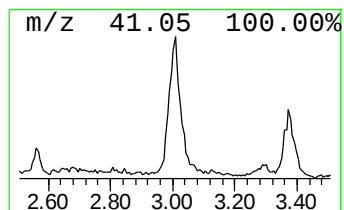
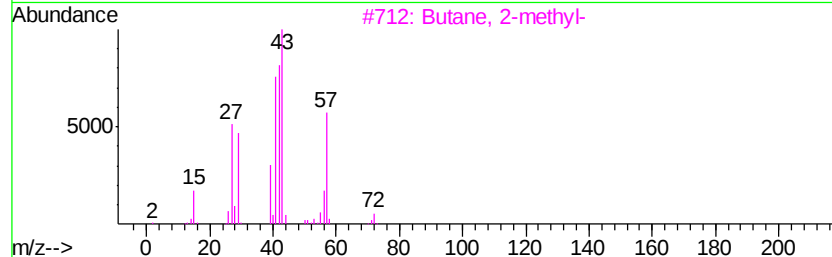
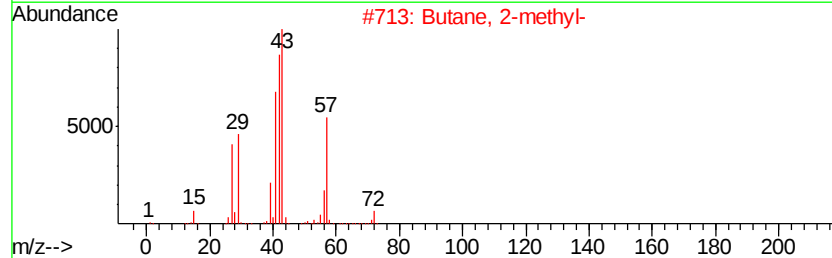
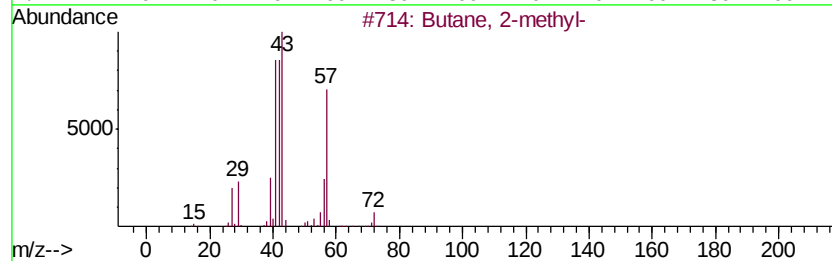
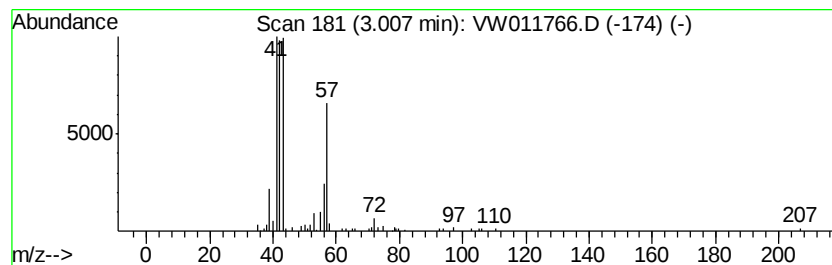
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	1.57 ug/L	55514	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2		Butane, 2-methyl-	72	C5H12	000078-78-4	87
3		Butane, 2-methyl-	72	C5H12	000078-78-4	86
4		Butane, 1-isocyano-	83	C5H9N	002769-64-4	12
5		2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	10



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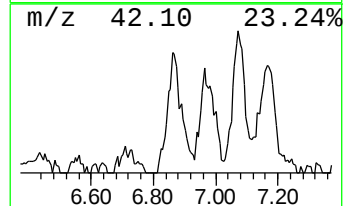
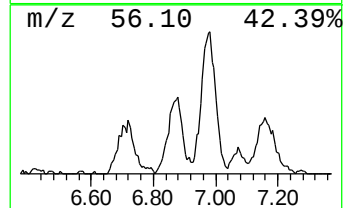
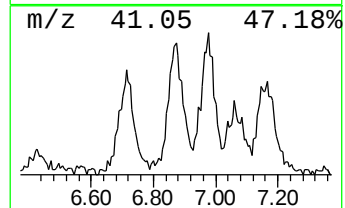
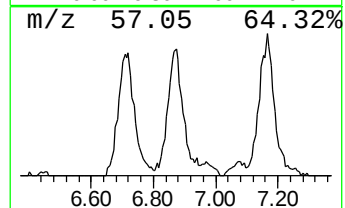
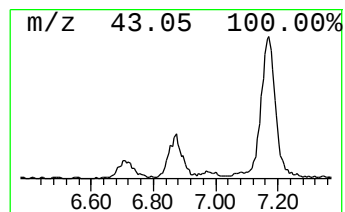
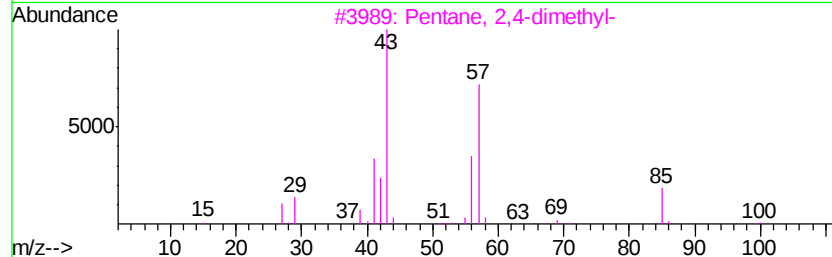
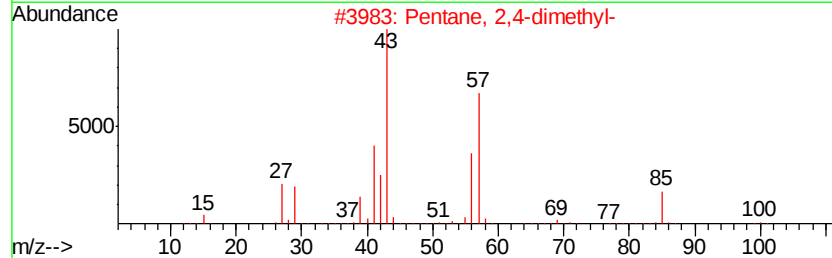
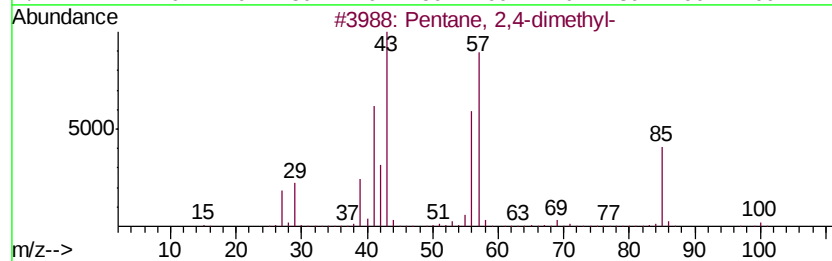
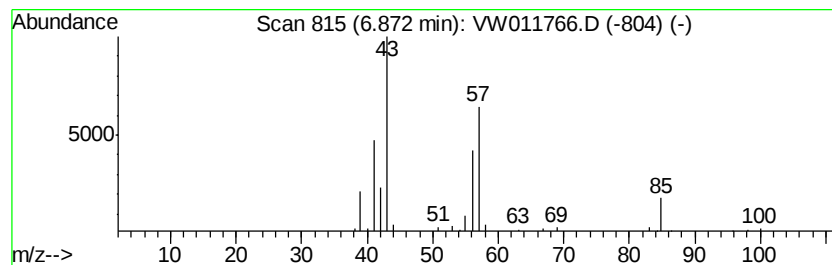
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	1.32 ug/L	46517	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
3		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4		Heptane, 3-methyl-	114	C8H18	000589-81-1	59
5		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

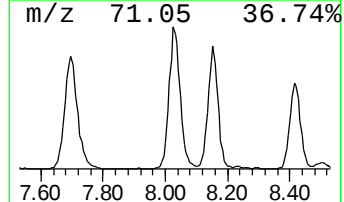
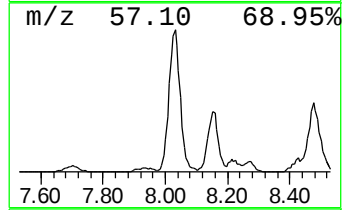
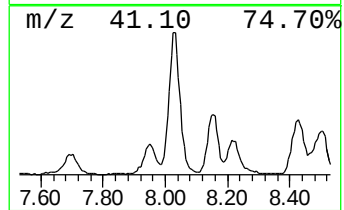
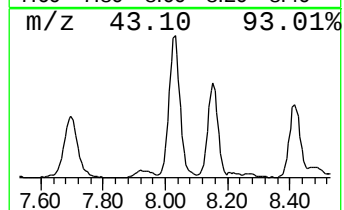
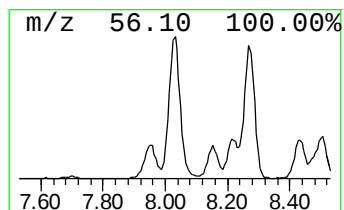
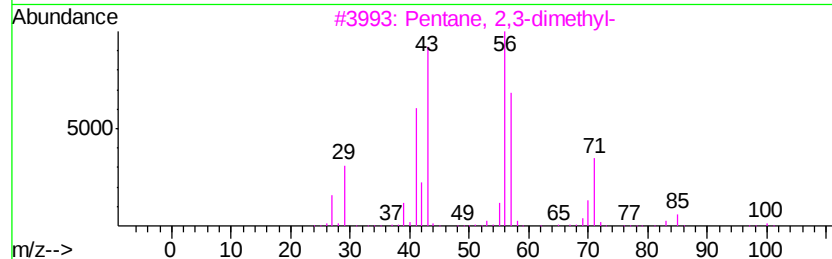
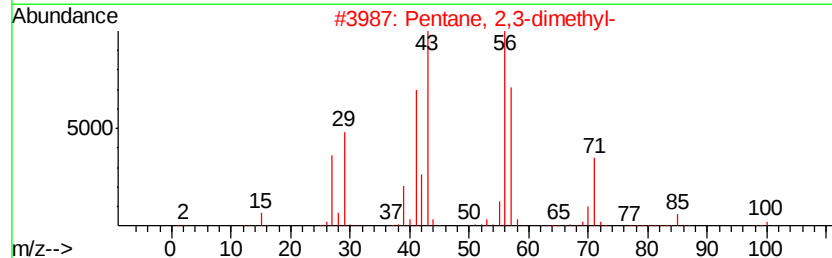
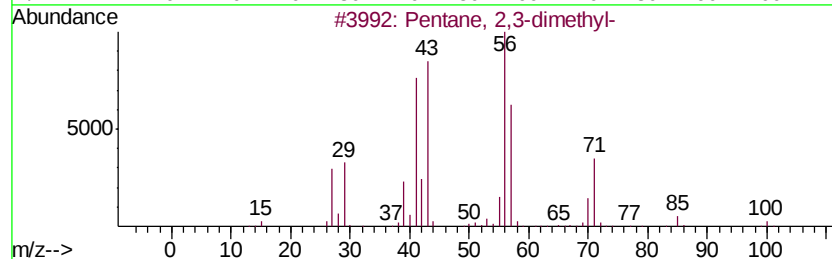
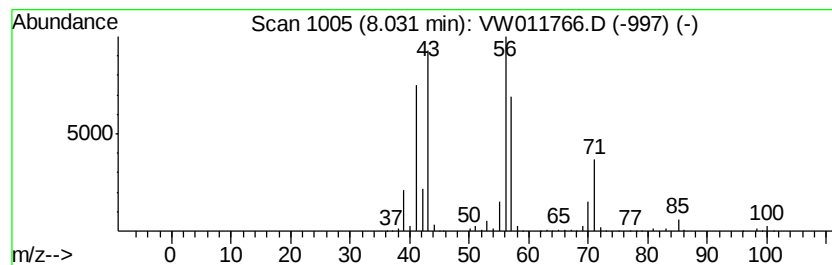
Instrument :
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ClientSampleId :
ETOB5

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 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.03	12.96 ug/L	457951	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

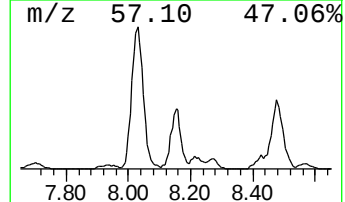
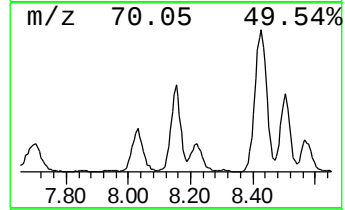
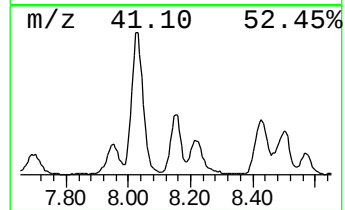
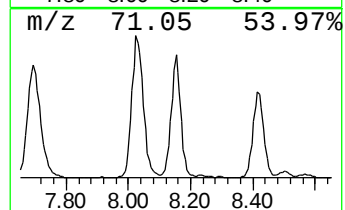
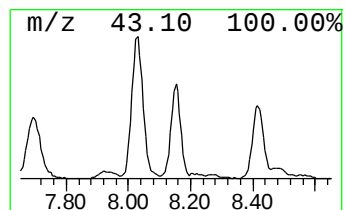
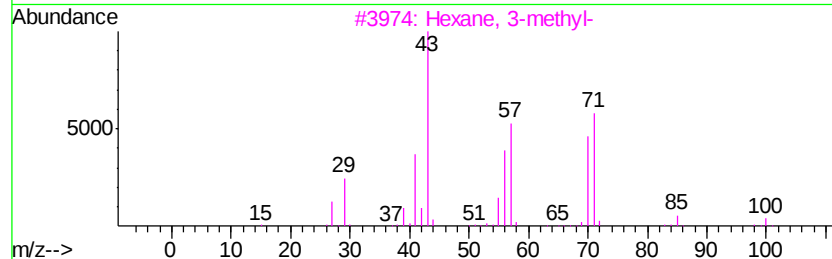
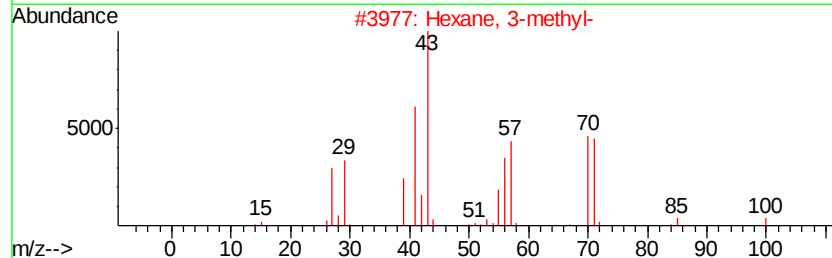
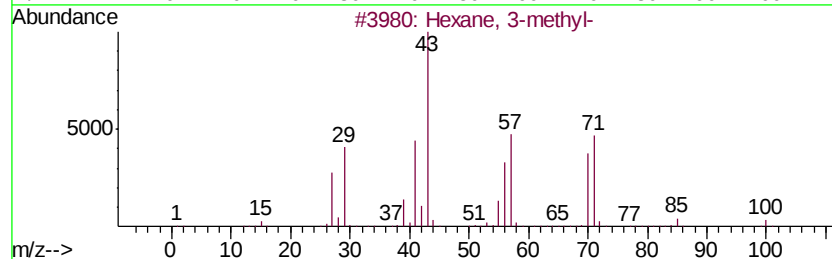
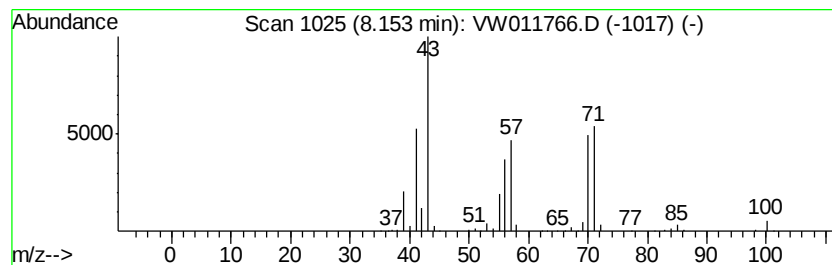
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	5.98 ug/L	211240	1,4-Difluorobenzene	8.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-		100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-		100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-		100	C7H16	000589-34-4	80
4	Decane, 3,3,4-trimethyl-		184	C13H28	049622-18-6	64
5	Heptane, 4-methyl-		114	C8H18	000589-53-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

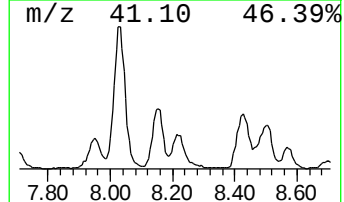
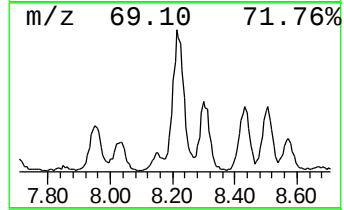
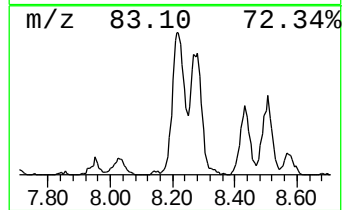
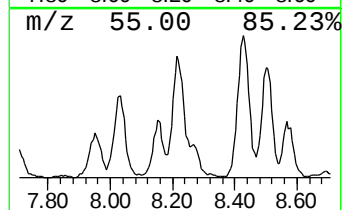
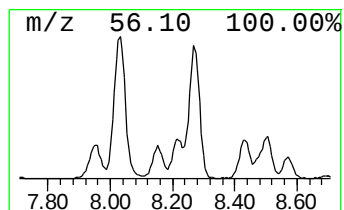
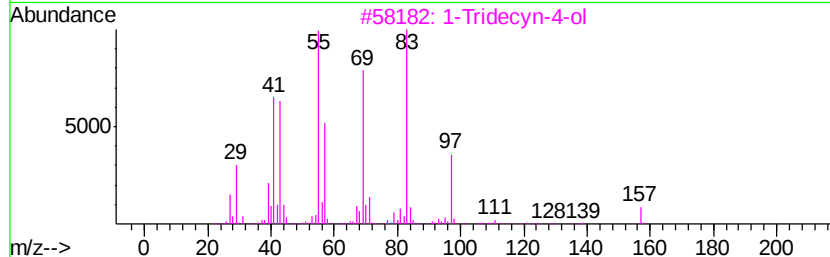
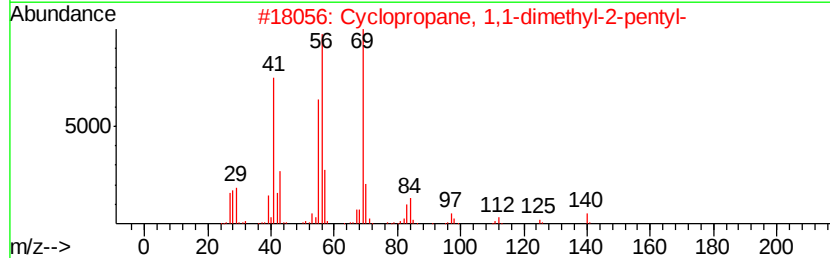
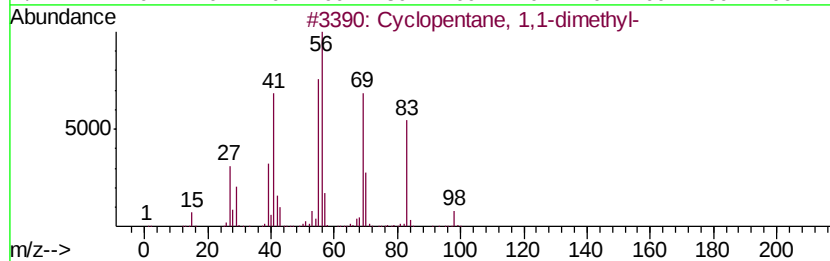
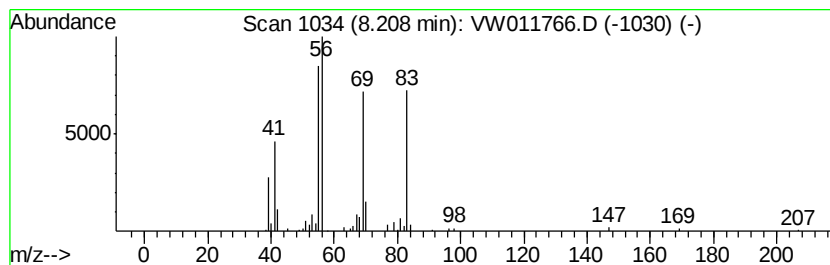
Instrument :
MSVOA_W
ClientSampleId :
ETOB5

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 7 (DEL) Alkane: Cyclic8.21 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.21	3.90 ug/L	137898	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	78
2	Cyclopropane, 1,1-dimethyl-2-pen...	140	C10H20	062167-97-9	59
3	1-Tridecyn-4-ol	196	C13H24O	074646-37-0	47
4	2-Hexenal, (E)-	98	C6H10O	006728-26-3	47
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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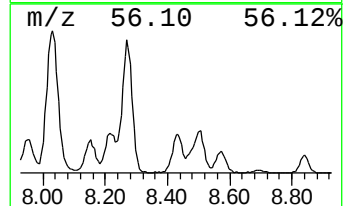
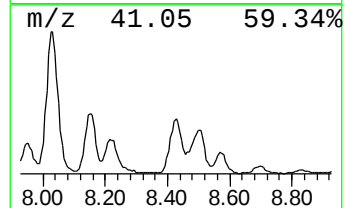
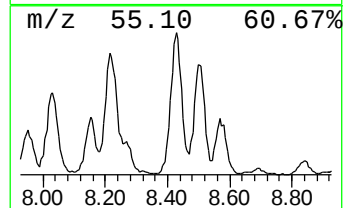
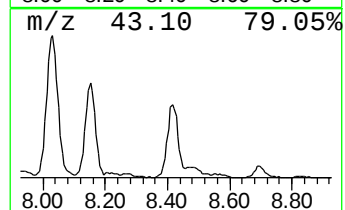
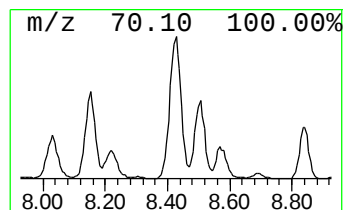
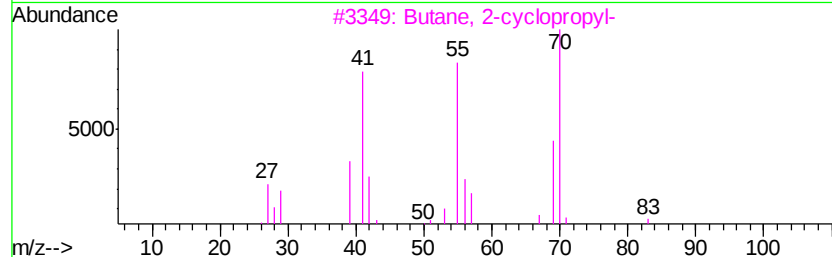
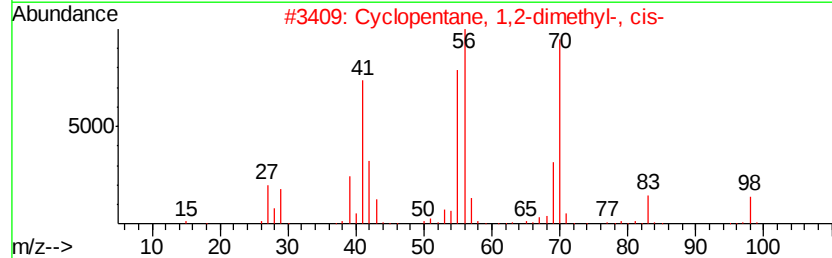
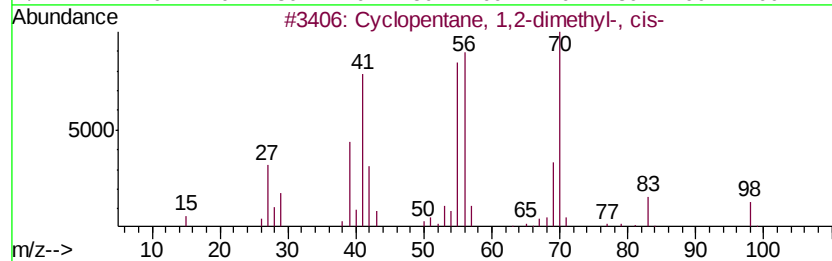
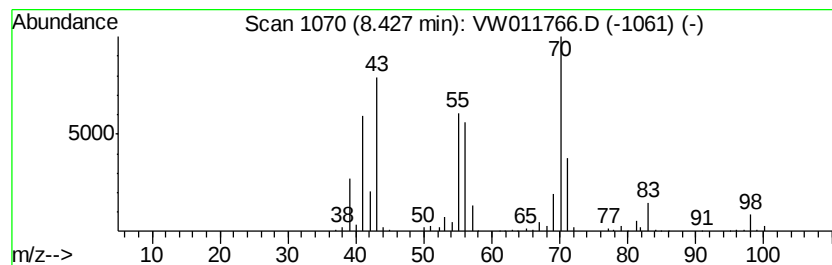
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic8.43 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	7.76 ug/L	274341	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
2			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
3			Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	50
4			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
5			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

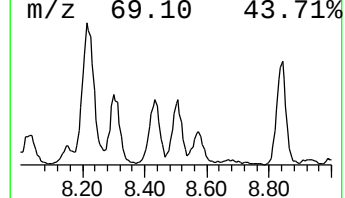
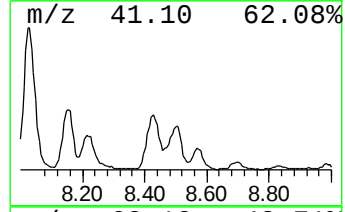
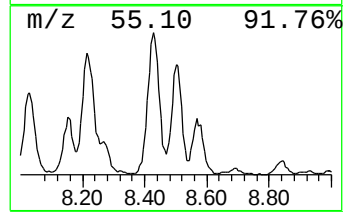
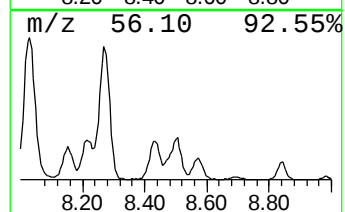
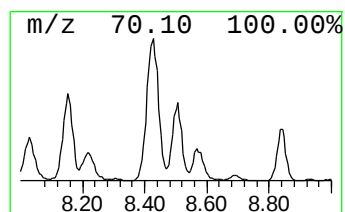
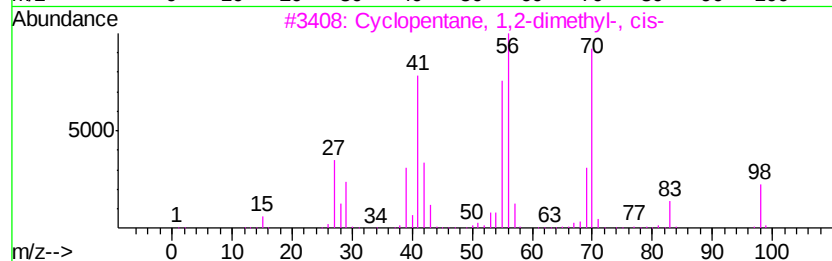
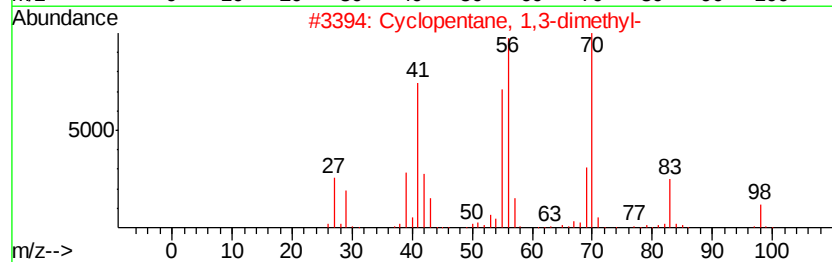
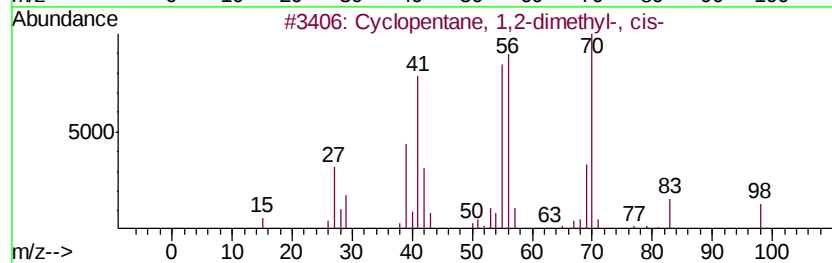
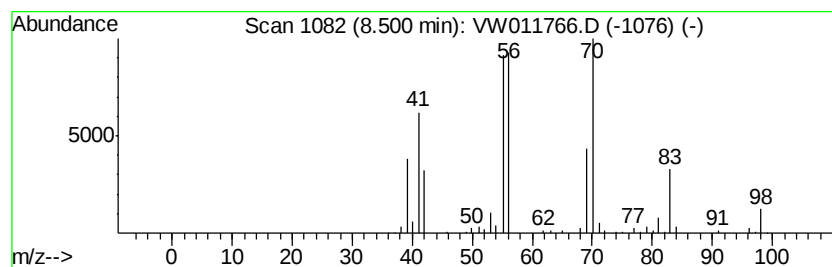
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic8.50 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.50	5.15 ug/L	181851	1,4-Difluorobenzene	8.84	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98 C7H14	001192-18-3	91	
2	Cyclopentane, 1,3-dimethyl-	98 C7H14	002453-00-1	87	
3	Cyclopentane, 1,2-dimethyl-, cis-	98 C7H14	001192-18-3	74	
4	Cyclopentane, 1,3-dimethyl-, cis-	98 C7H14	002532-58-3	74	
5	Cyclopentane, 1,2-dimethyl-, cis-	98 C7H14	001192-18-3	74	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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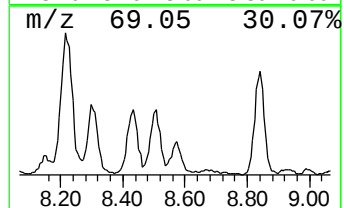
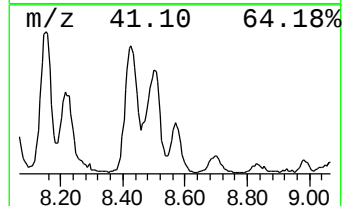
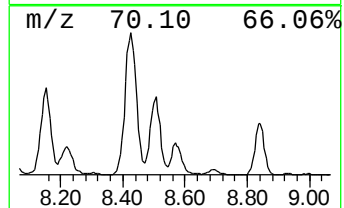
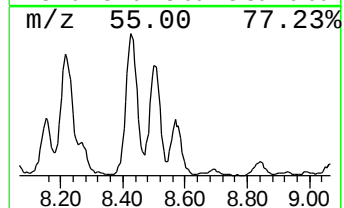
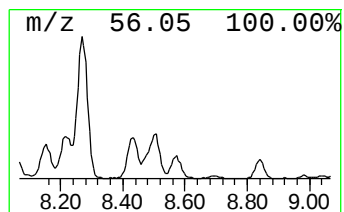
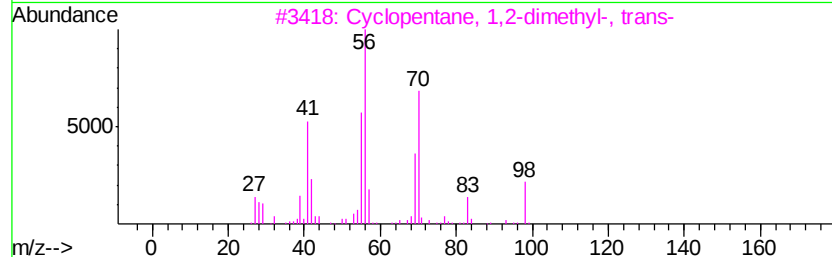
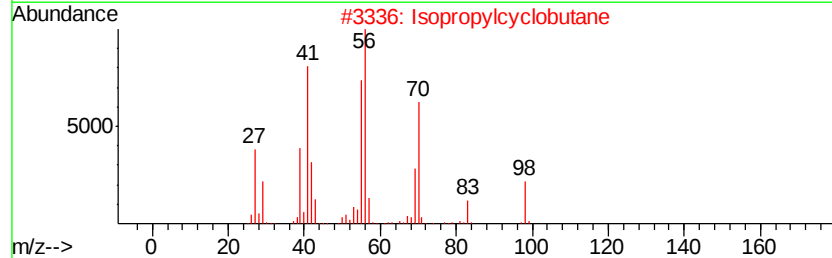
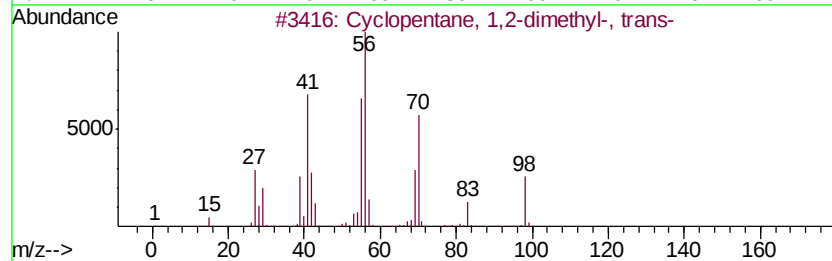
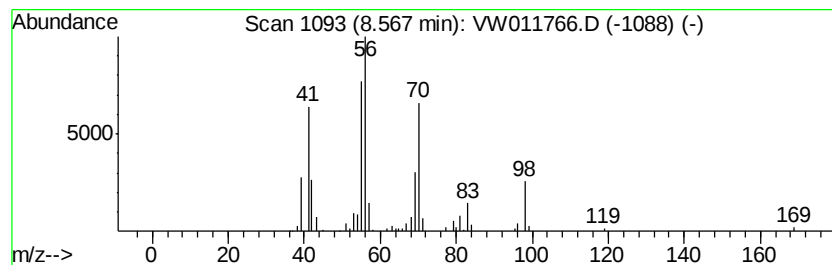
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic8.57 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	2.17 ug/L	76631	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2			Isopropylcyclobutane	98	C7H14	000872-56-0	90
3			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4			1-Heptene	98	C7H14	000592-76-7	72
5			1-Heptene	98	C7H14	000592-76-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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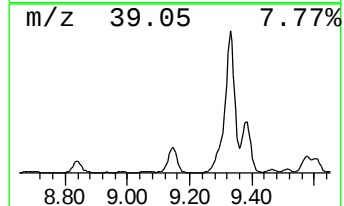
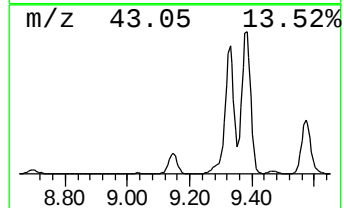
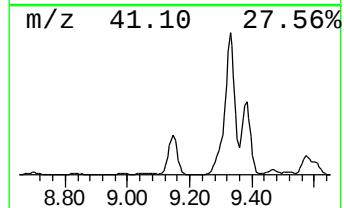
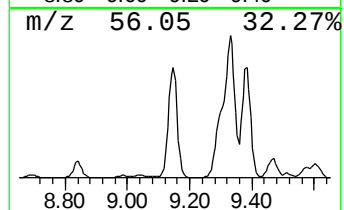
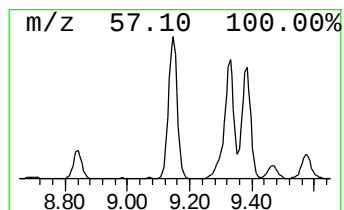
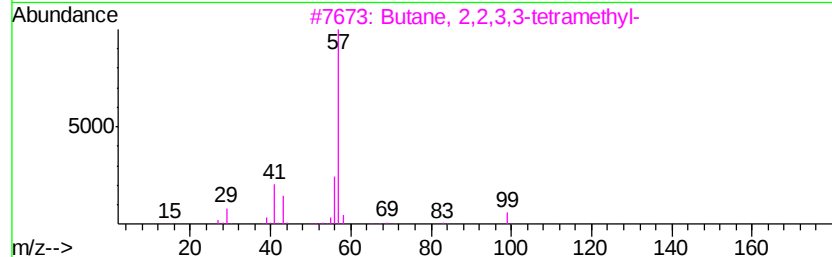
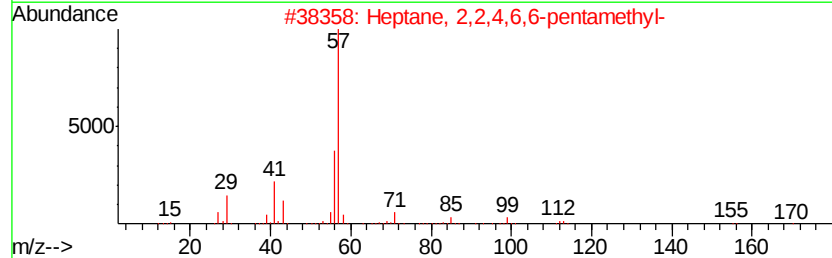
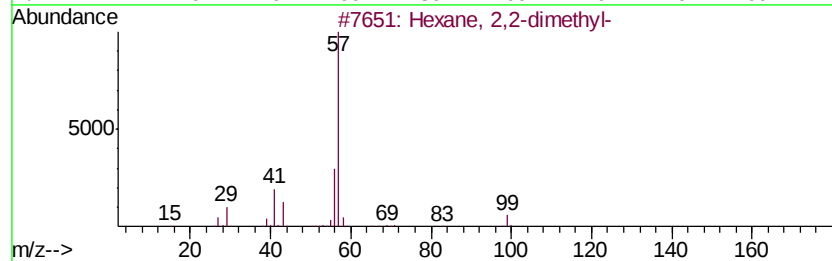
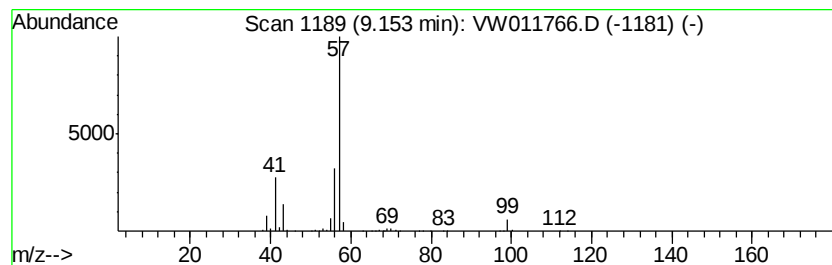
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	12.23 ug/L	432383	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

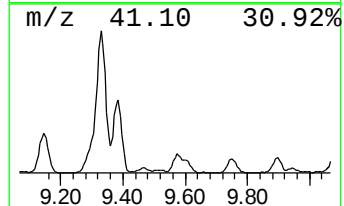
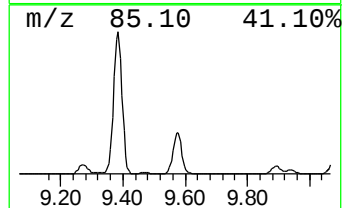
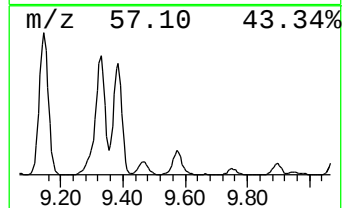
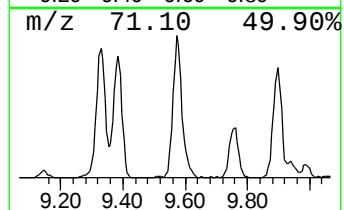
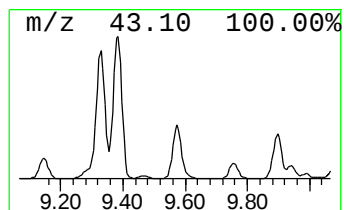
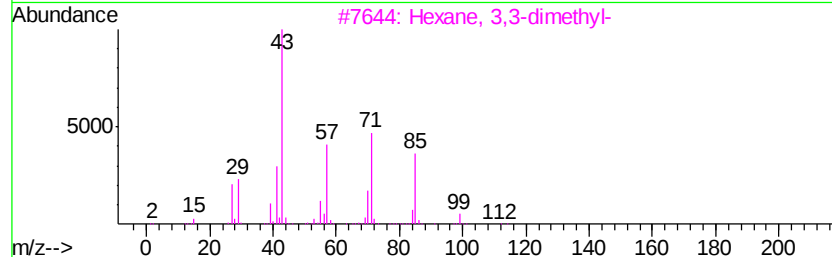
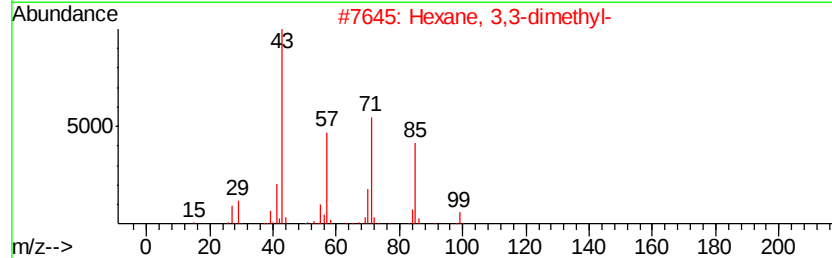
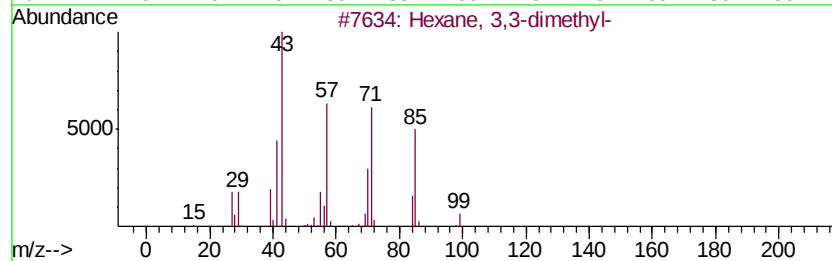
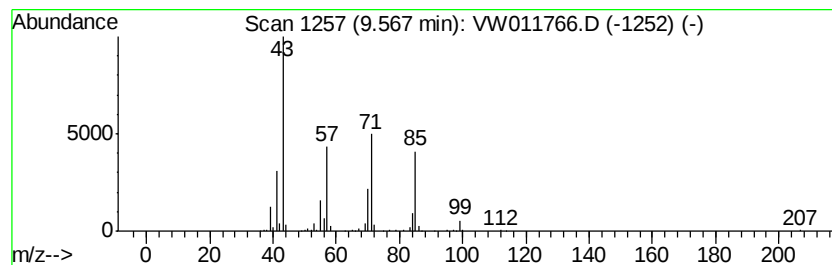
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	8.64 ug/L	305203	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-			114	C8H18	000563-16-6	86
2	Hexane, 3,3-dimethyl-			114	C8H18	000563-16-6	83
3	Hexane, 3,3-dimethyl-			114	C8H18	000563-16-6	83
4	Octane			114	C8H18	000111-65-9	64
5	Heptane, 2,4-dimethyl-			128	C9H20	002213-23-2	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

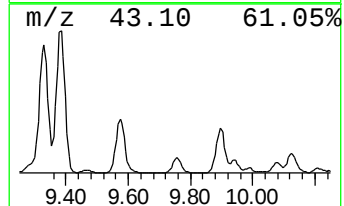
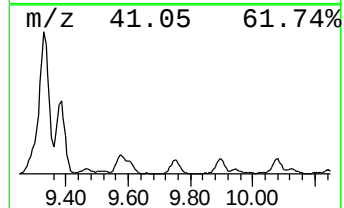
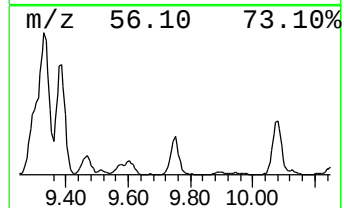
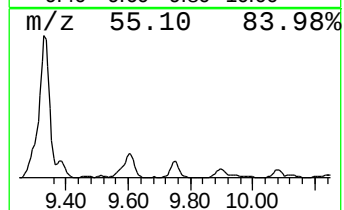
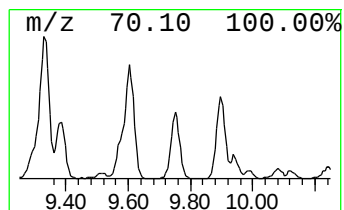
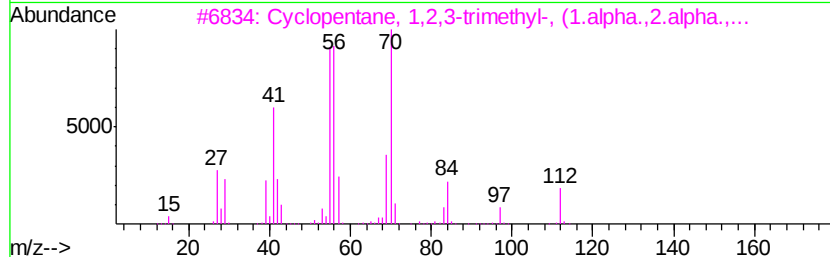
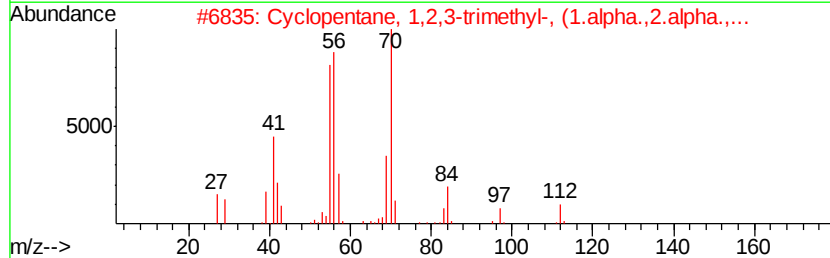
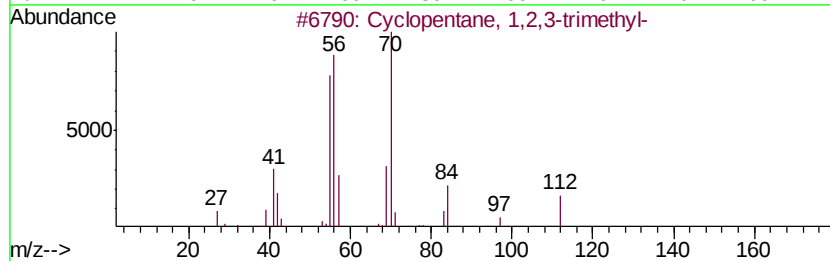
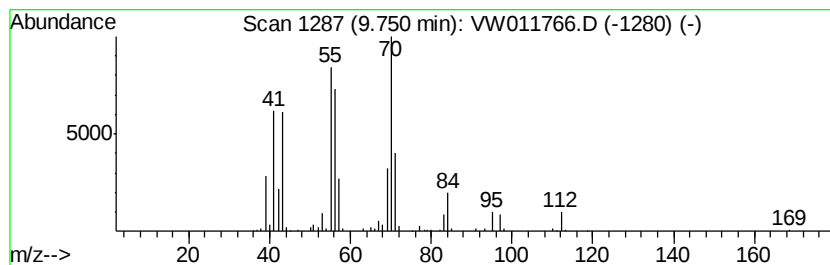
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Cyclic9.75 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	5.73 ug/L	202457	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	76
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	76
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	76
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	52
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

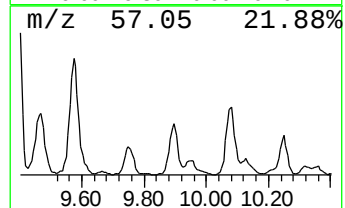
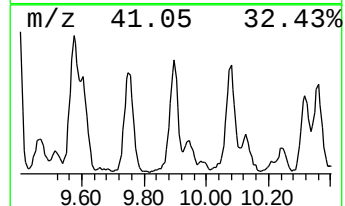
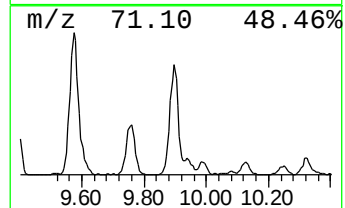
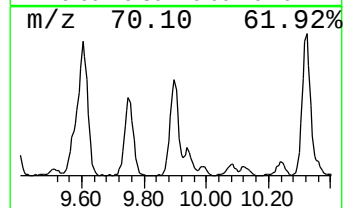
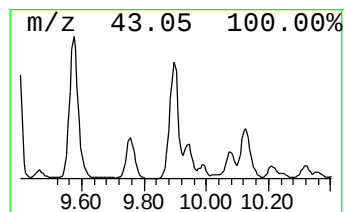
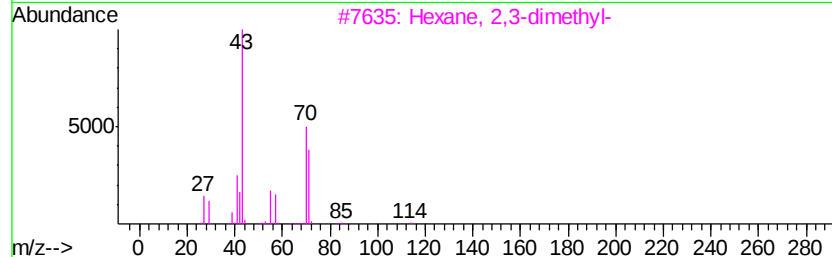
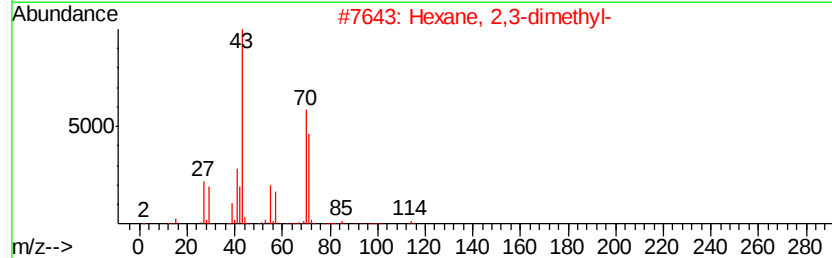
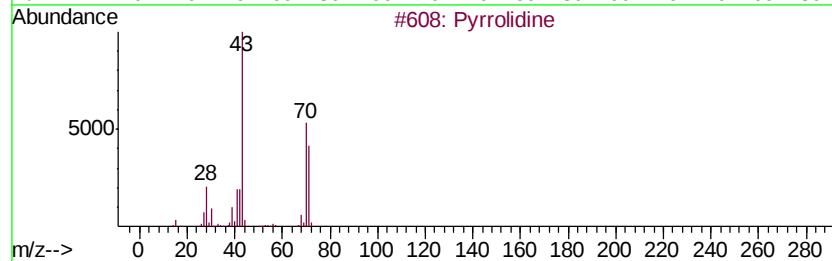
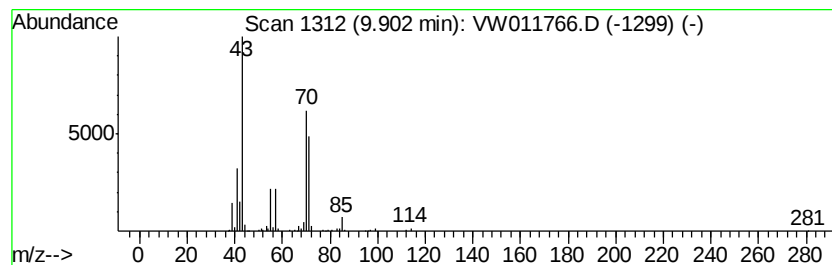
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Quant Title : VOC Analysis

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

Peak Number 14 Pyrrolidine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	6.58 ug/L	232598	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrrolidine	71	C4H9N	000123-75-1	80
2		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	80
3		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	80
4		Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	72
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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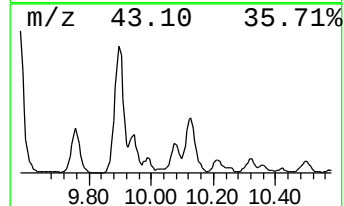
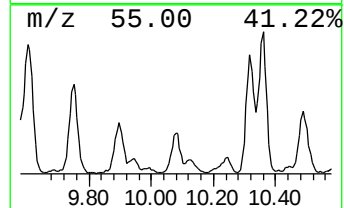
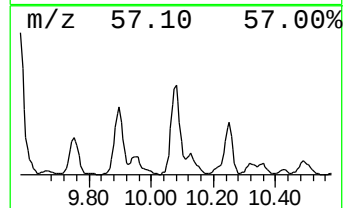
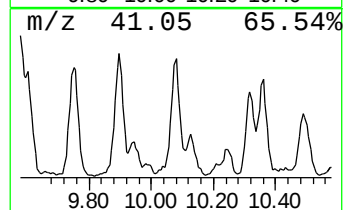
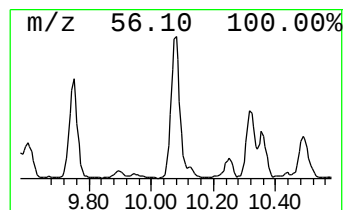
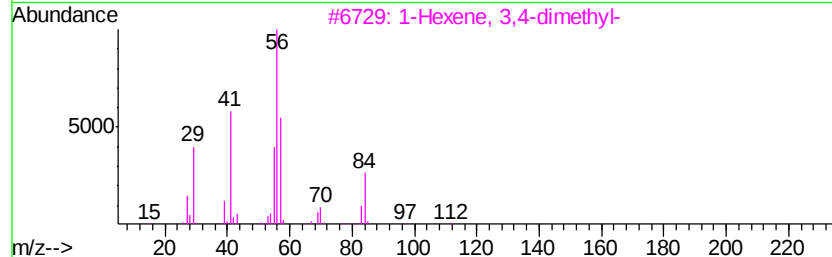
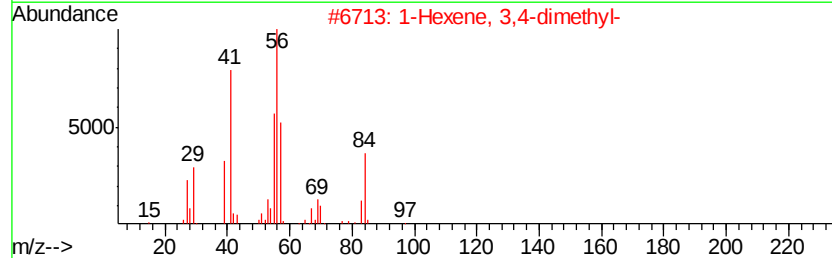
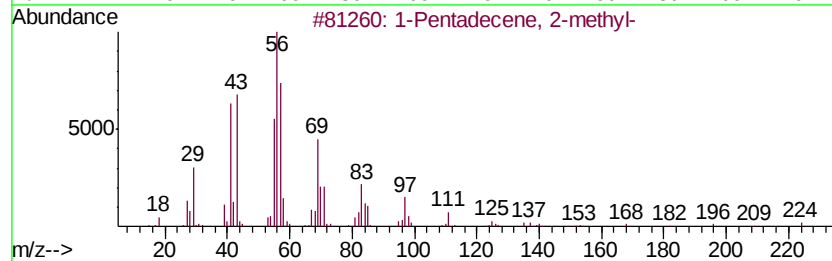
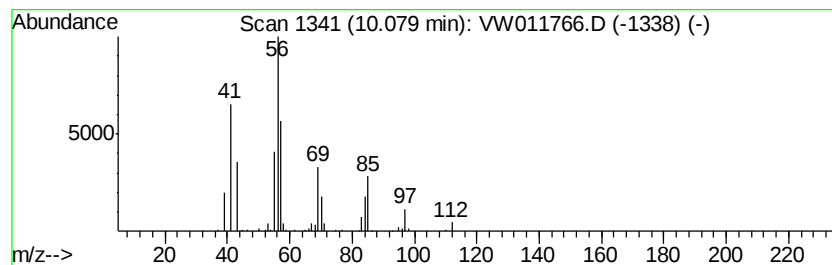
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.08 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	2.31 ug/L	81498	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentadecene, 2-methyl-	224	C16H32	029833-69-0	56
2		1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
3		1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
4		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	52
5		2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

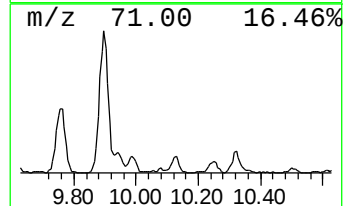
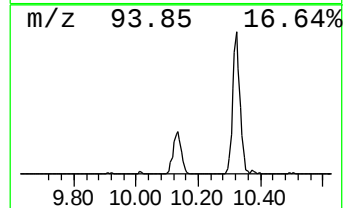
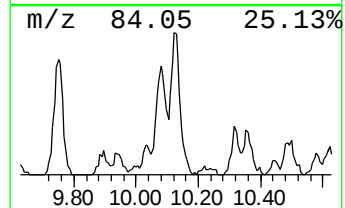
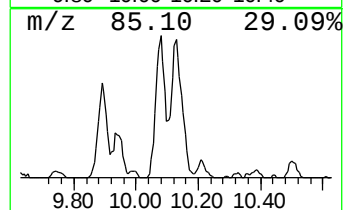
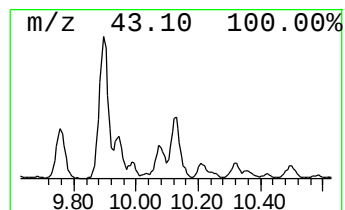
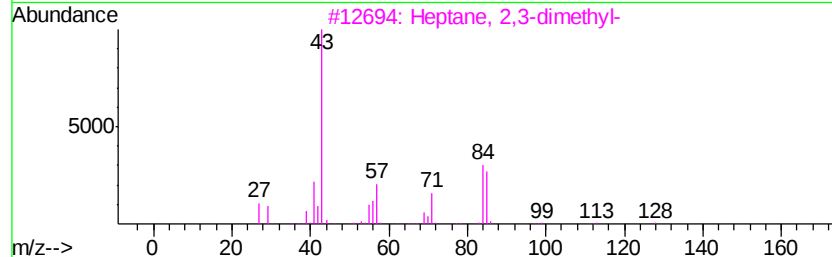
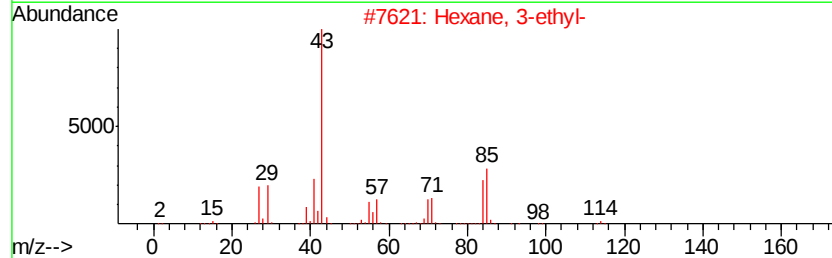
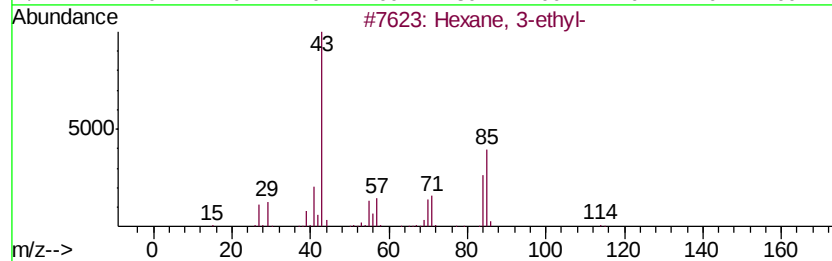
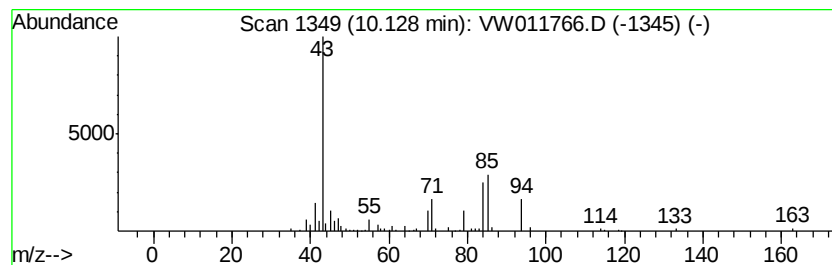
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	2.54 ug/L	89714	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-	114	C8H18	000619-99-8	49
2			Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	37
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	37
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

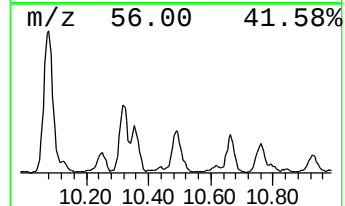
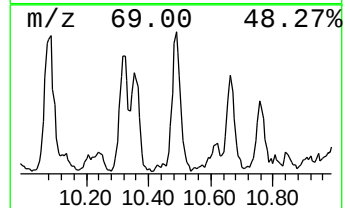
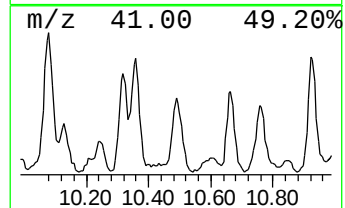
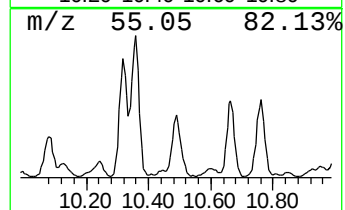
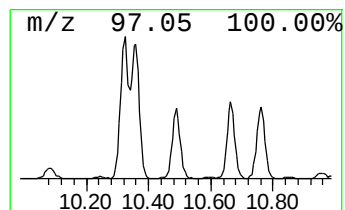
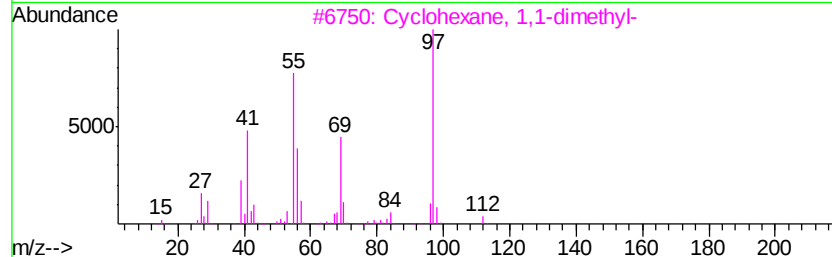
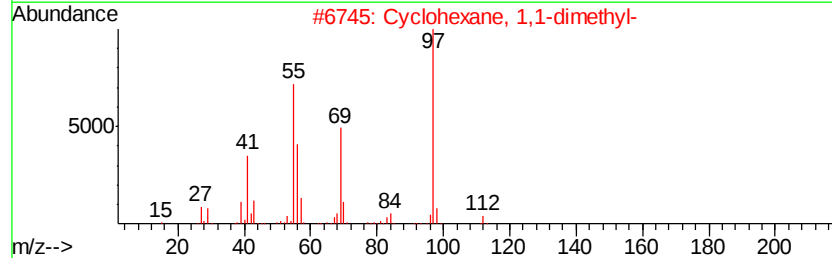
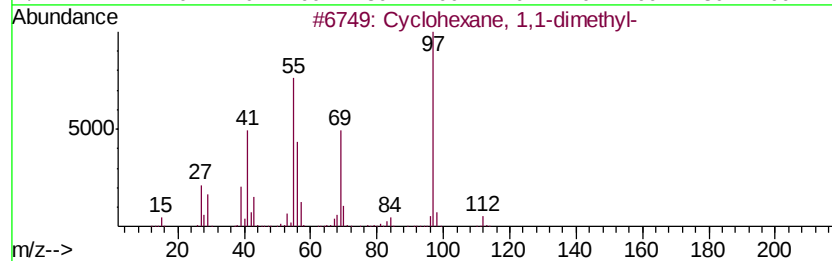
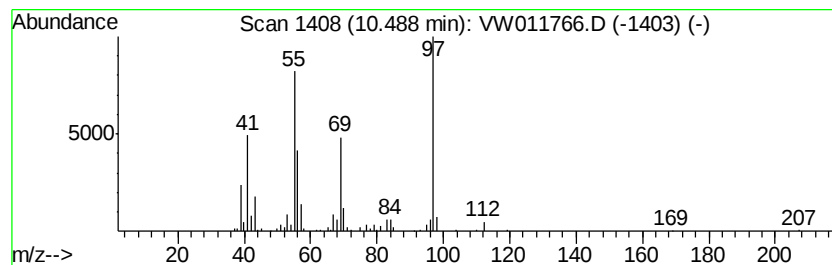
Instrument :
MSVOA_W
ClientSampleId :
ETOB5

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 18 (DEL) Alkane: Cyclic10.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.49	3.33 ug/L	113624	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	95
2		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
4		1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	72
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

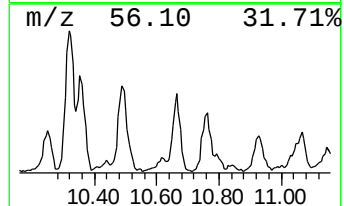
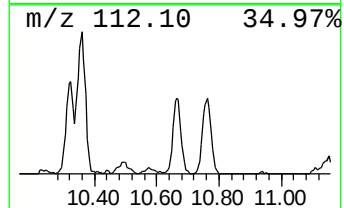
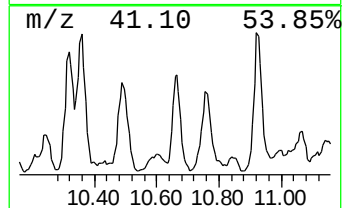
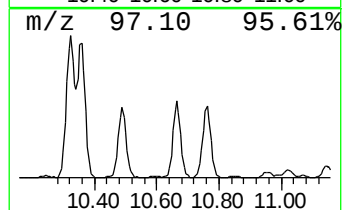
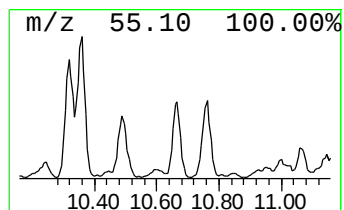
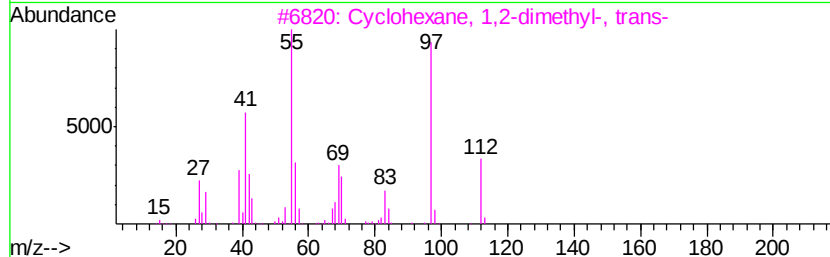
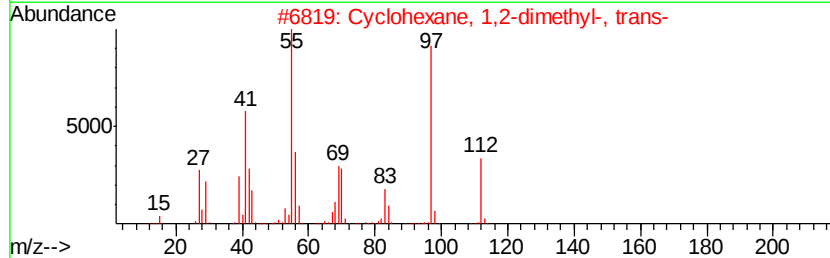
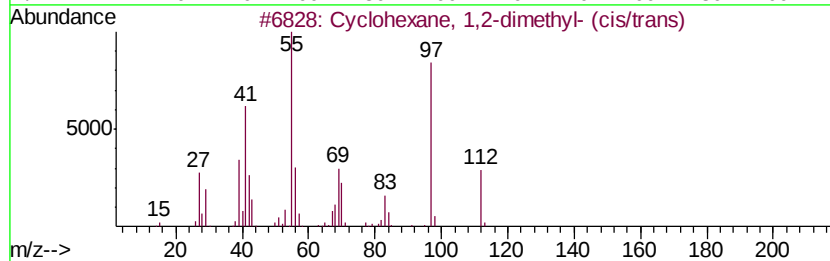
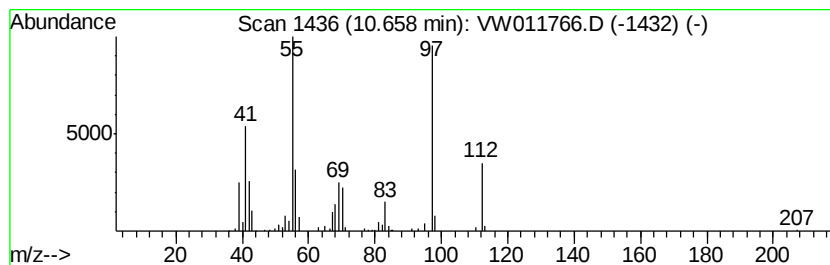
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic10.66 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.12 ug/L	106306	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
5		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

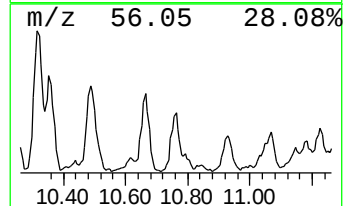
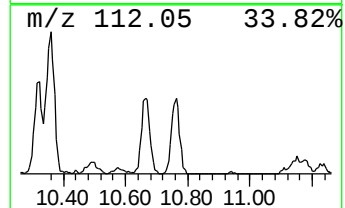
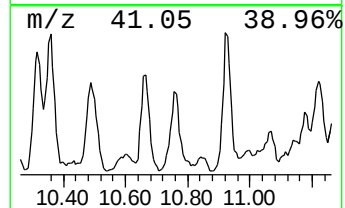
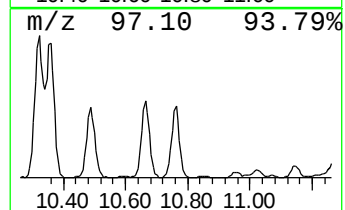
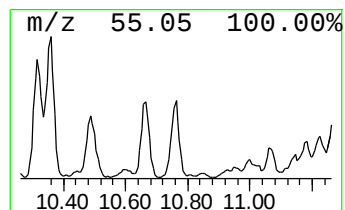
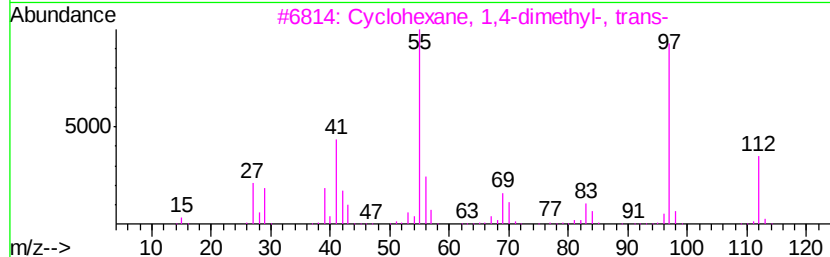
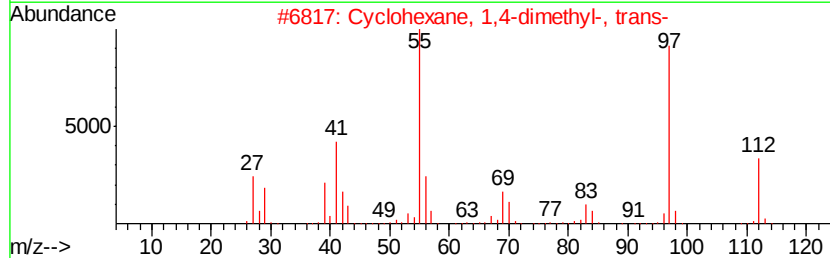
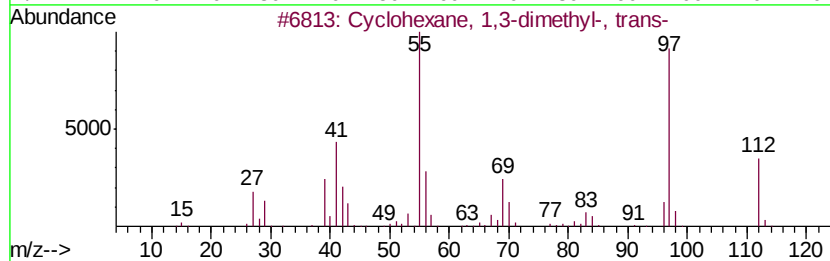
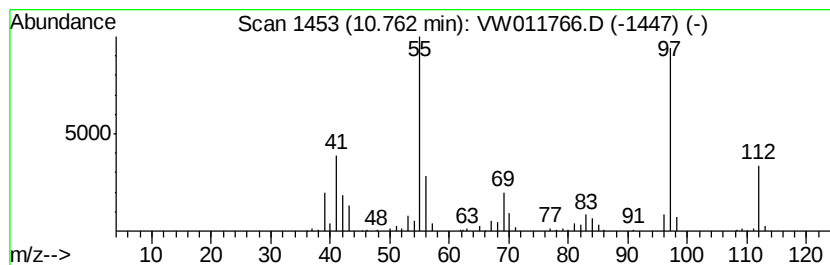
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic10.76 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.14 ug/L	107226	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
4			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

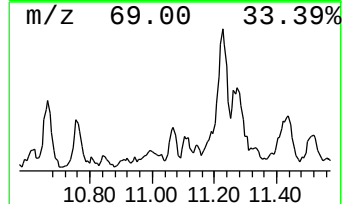
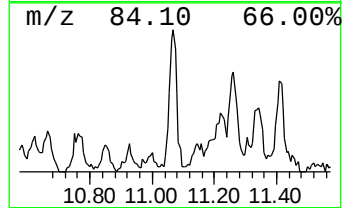
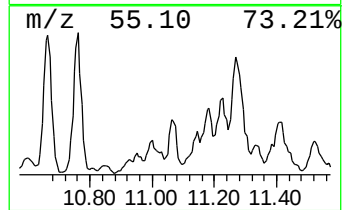
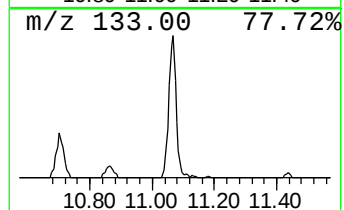
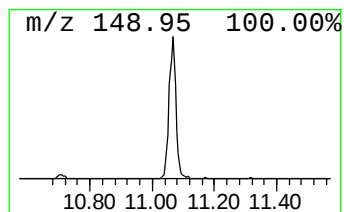
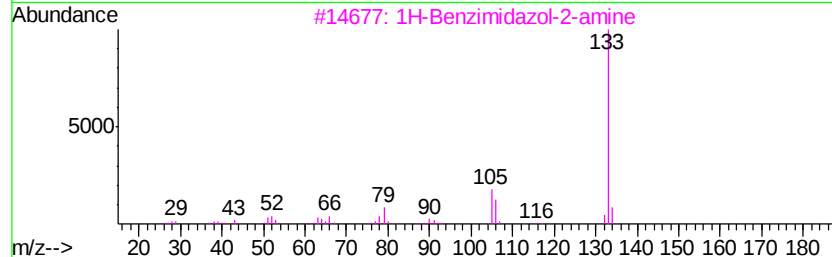
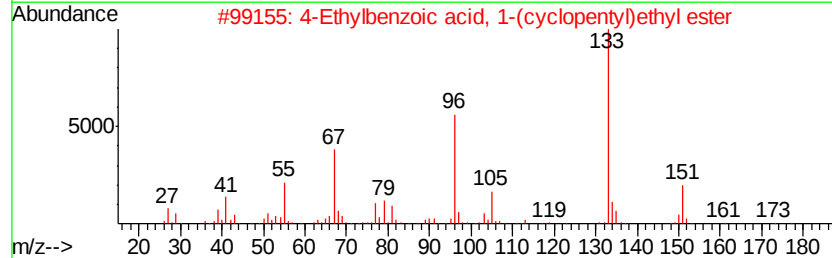
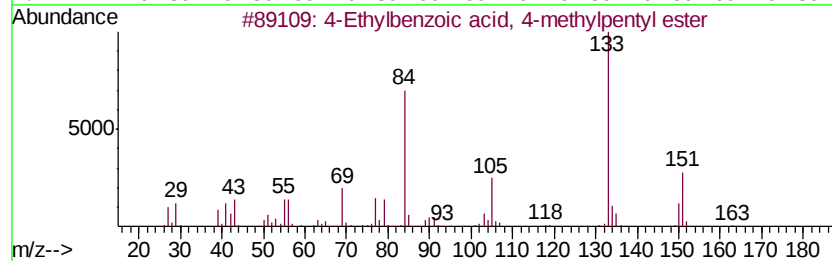
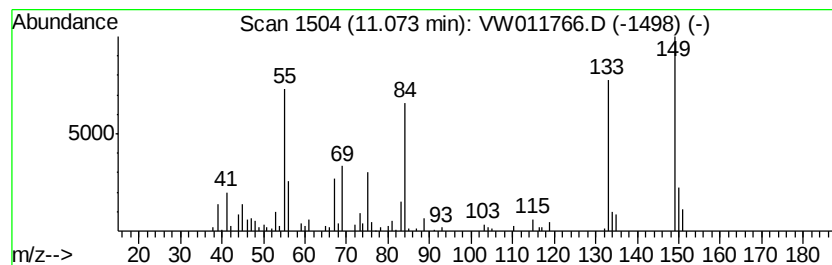
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.68 ug/L	57361	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Ethylbenzoic acid, 4-methylpen...	234	C15H22O2	1000293-49-7	17
2			4-Ethylbenzoic acid, 1-(cyclopent...	246	C16H22O2	1000293-32-2	16
3			1H-Benzimidazol-2-amine	133	C7H7N3	000934-32-7	14
4			Oxalamide, N-(2-hydroxyethyl)-N'...	278	C14H18N2O4	1000304-26-2	14
5			Oxalamide, N-(isochroman-1-yl)me...	310	C18H18N2O3	1000304-26-0	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

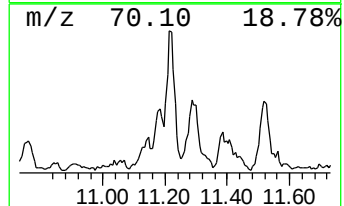
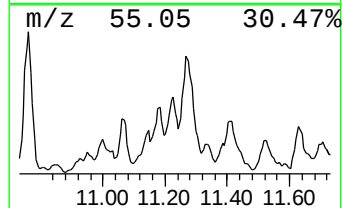
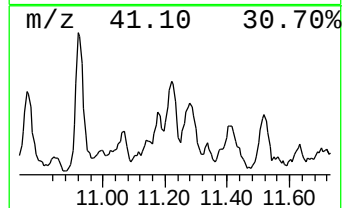
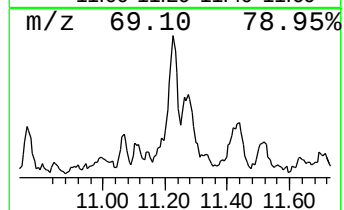
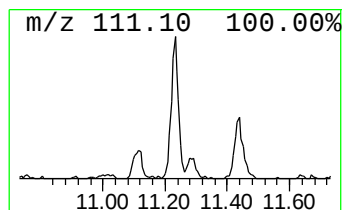
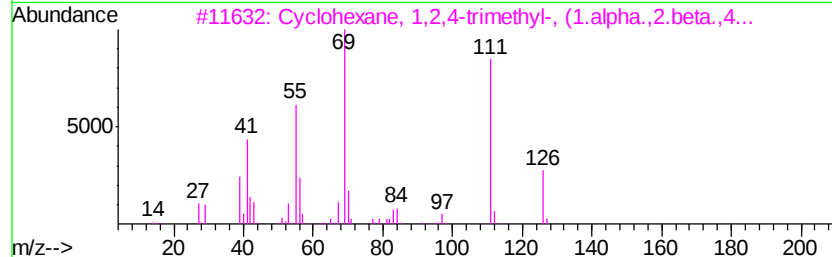
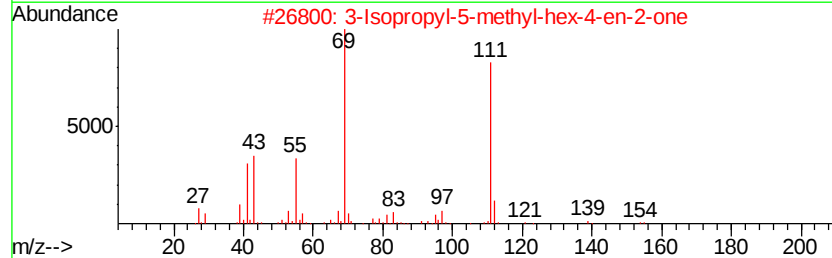
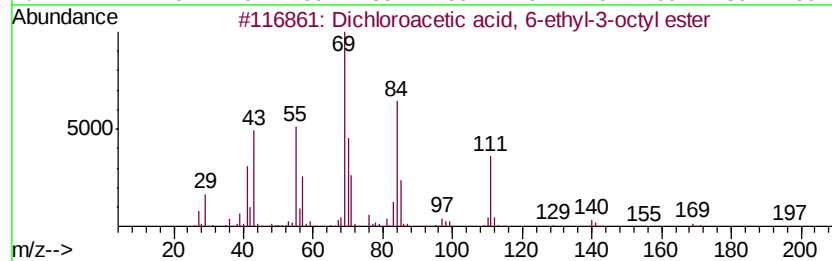
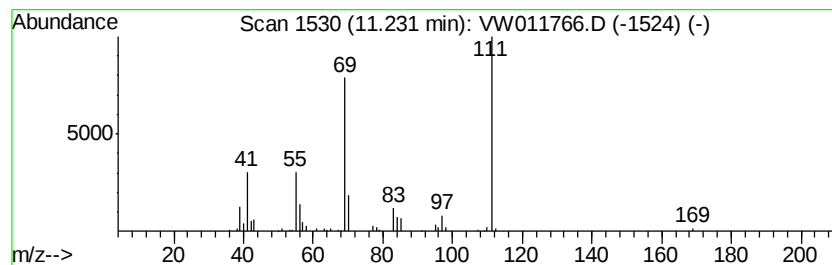
Instrument :
MSVOA_W
ClientSampleId :
ETOB5

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 22 Dichloroacetic acid, 6-ethyl... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	1.87 ug/L	63768	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	78
2		3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	53
3		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	50
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

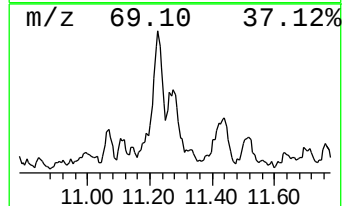
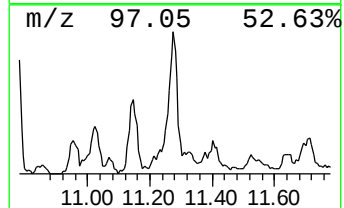
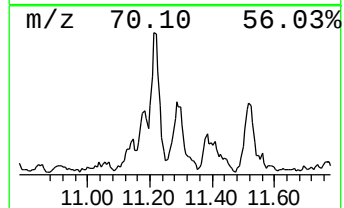
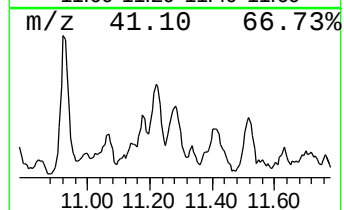
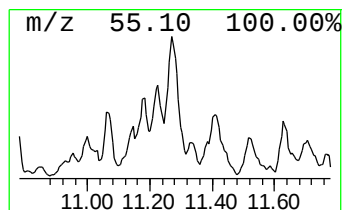
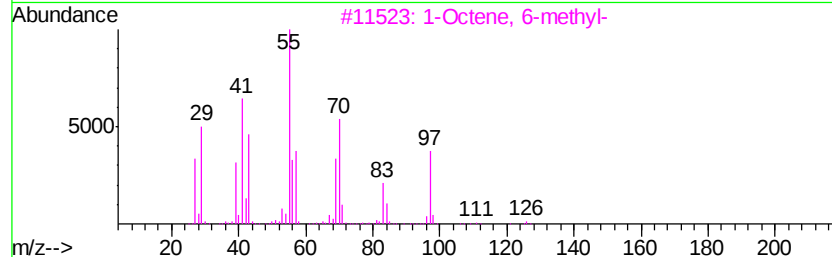
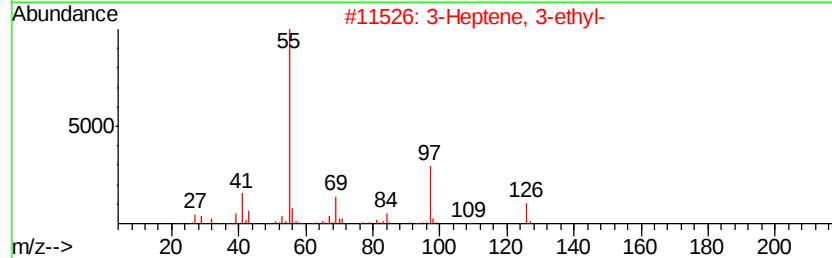
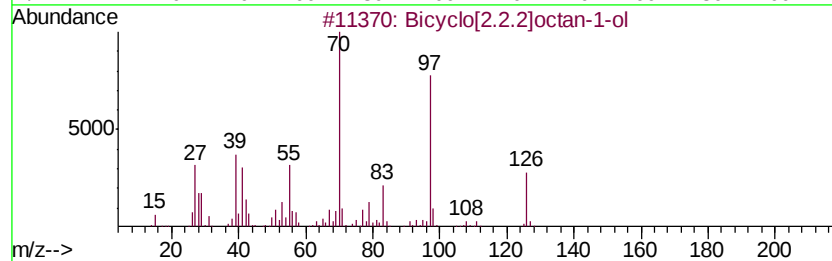
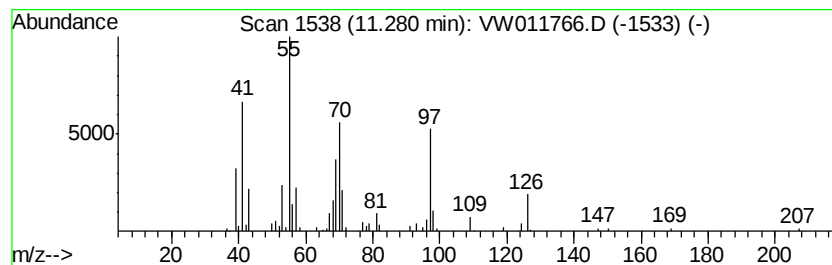
Instrument :
MSVOA_W
ClientSampleId :
ETOB5

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 23 Bicyclo[2.2.2]octan-1-ol Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.28	1.98 ug/L	67409	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	50
2		3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	43
3		1-Octene, 6-methyl-	126	C9H18	013151-10-5	40
4		2-Tridecene, (Z)-	182	C13H26	041446-59-7	38
5		5-Octadecene, (E)-	252	C18H36	007206-21-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

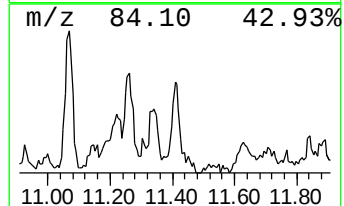
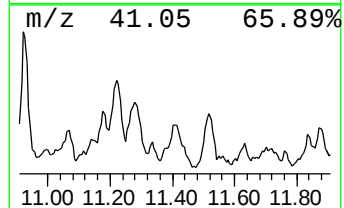
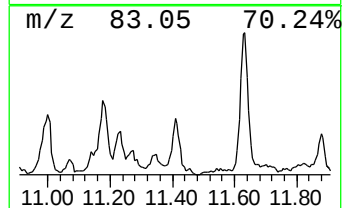
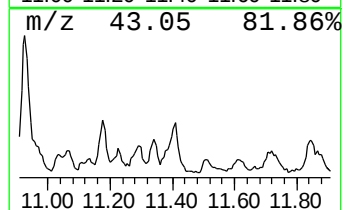
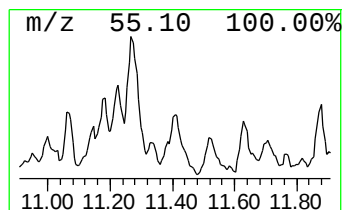
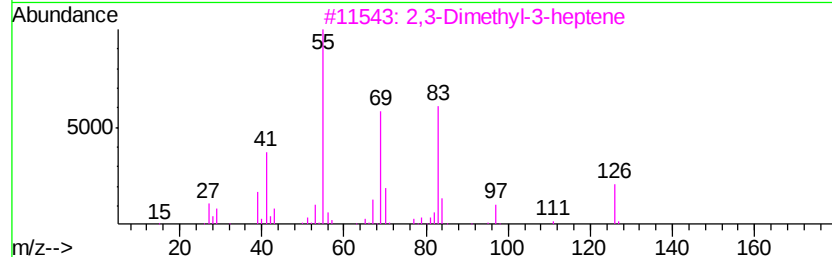
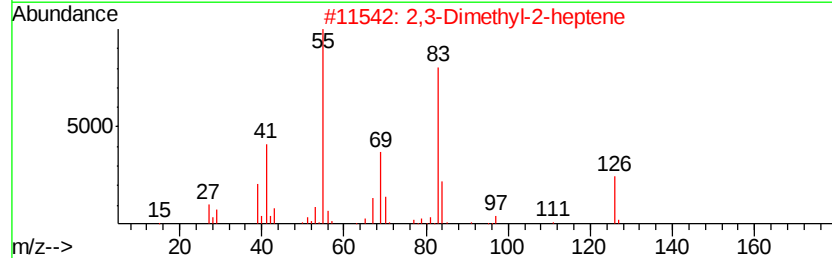
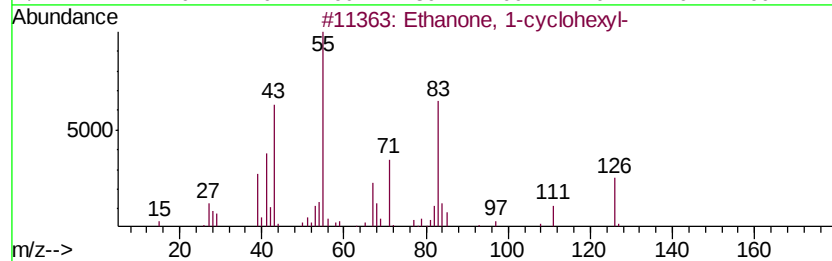
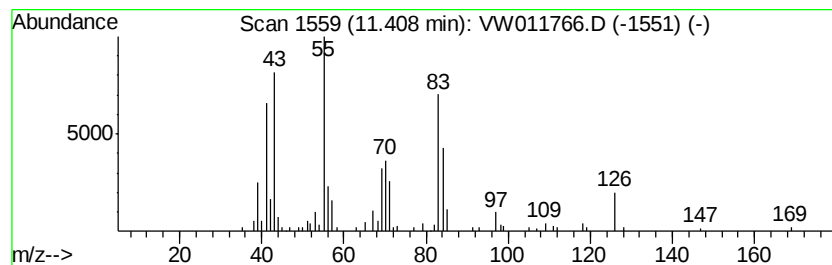
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Quant Title : VOC Analysis

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

Peak Number 24 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	2.71 ug/L	92536	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	49
2		2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	46
3		2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	46
4		trans--4-Nonene	126	C9H18	010405-85-3	43
5		3-Nonene	126	C9H18	020063-77-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

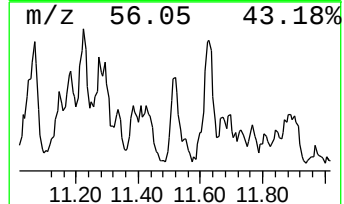
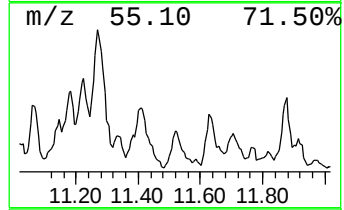
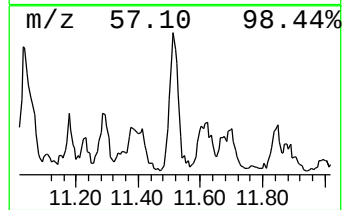
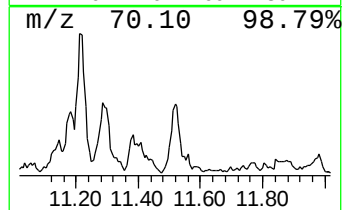
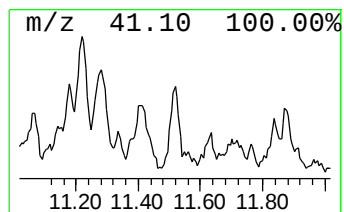
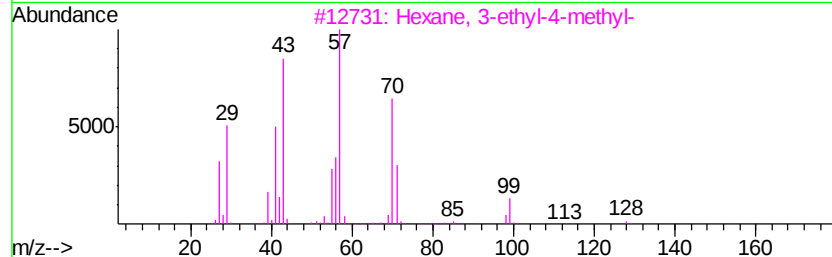
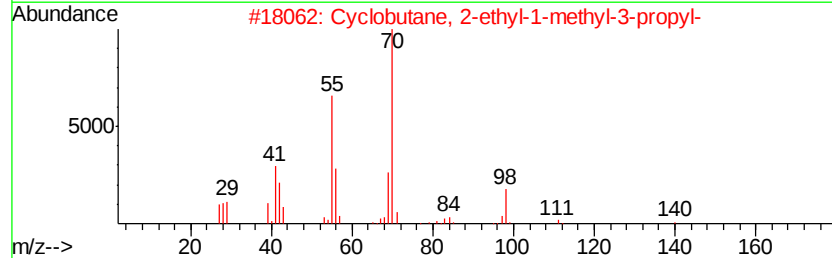
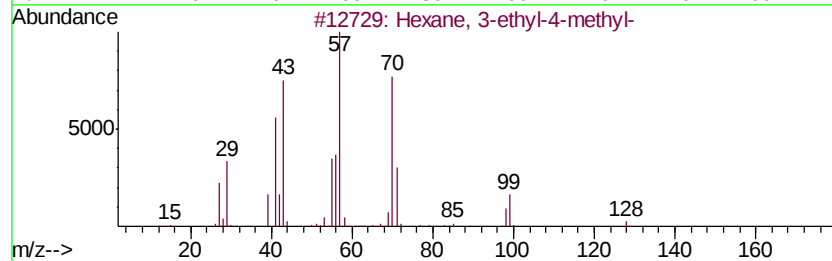
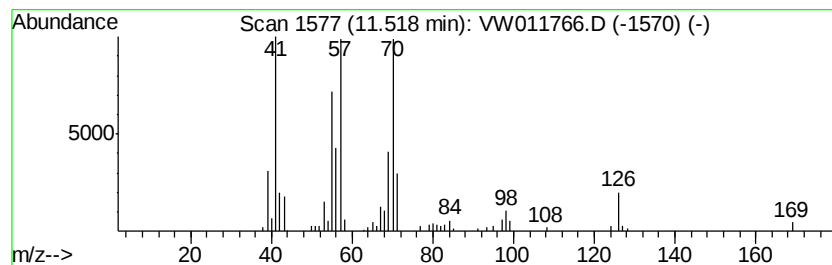
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	1.65 ug/L	56434	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	72
2		Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	53
3		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	50
4		3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	47
5		2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

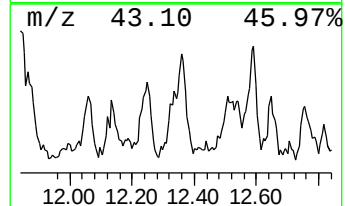
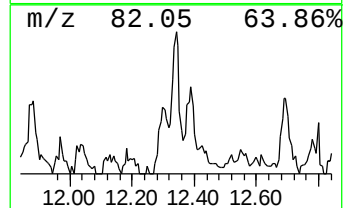
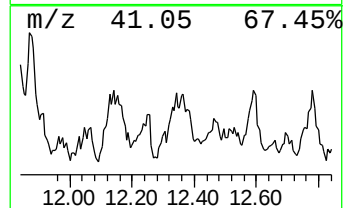
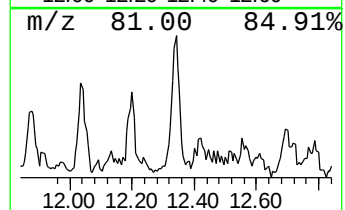
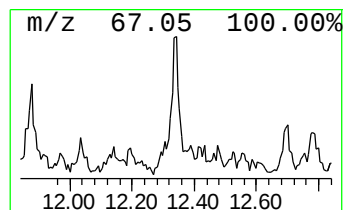
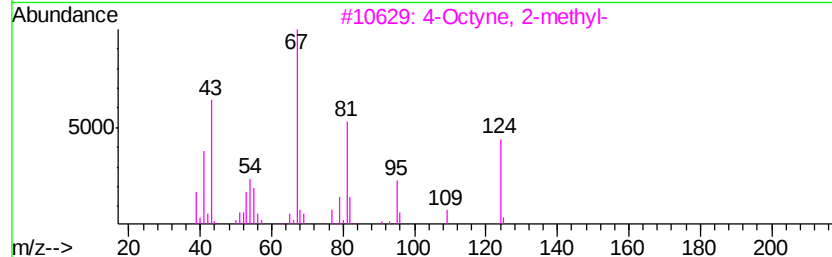
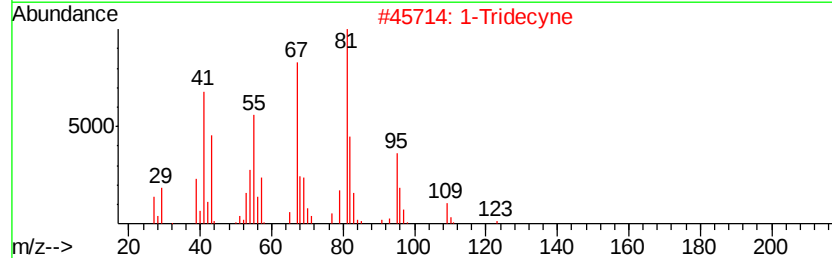
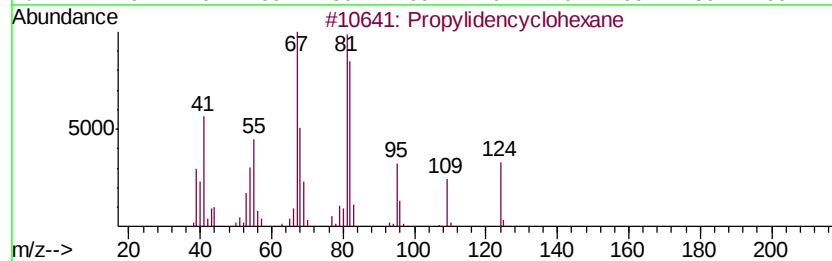
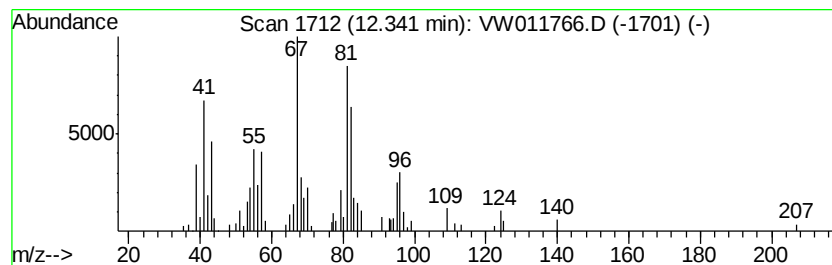
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Quant Title : VOC Analysis

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

Peak Number 26 Propylidencyclohexane Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	1.95 ug/L	66380	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propylidencyclohexane	124	C9H16	002129-93-3	87
2		1-Tridecyne	180	C13H24	026186-02-7	59
3		4-Octyne, 2-methyl-	124	C9H16	010306-94-2	59
4		1-Hexadecyne	222	C16H30	000629-74-3	53
5		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

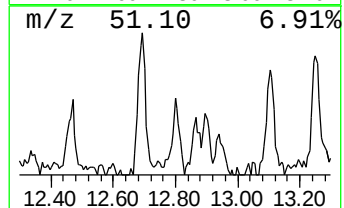
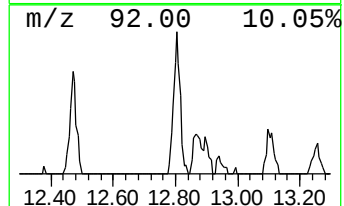
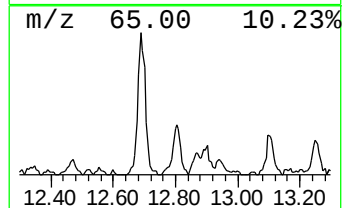
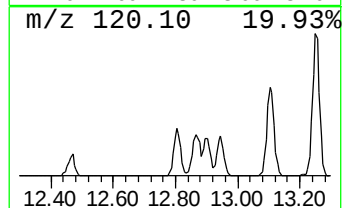
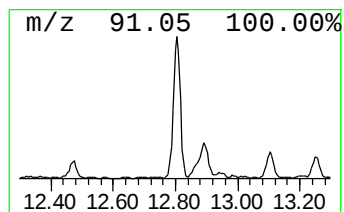
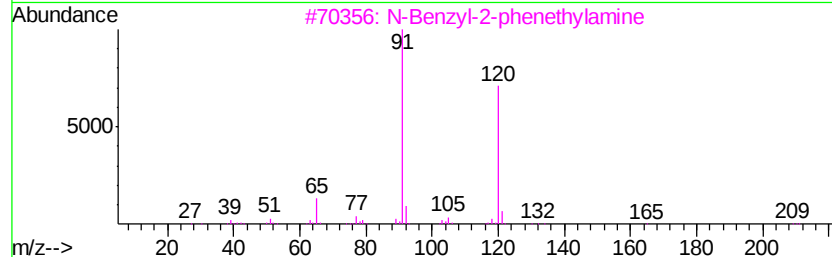
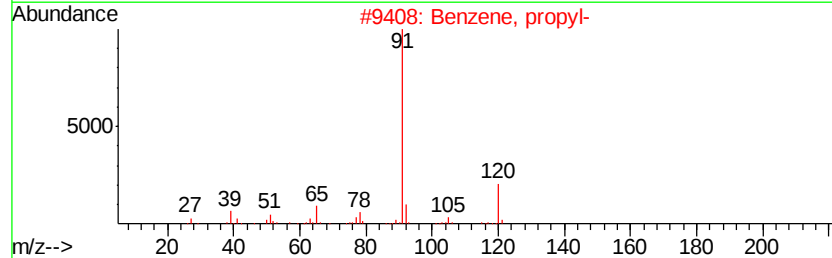
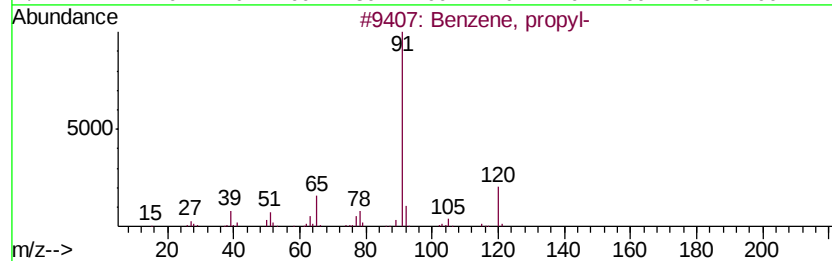
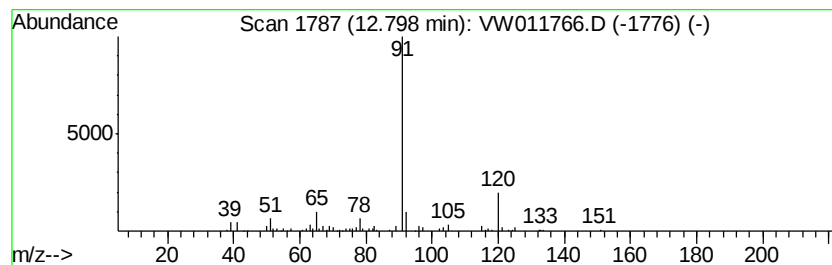
Instrument :
MSVOA_W
ClientSampleId :
ETOB5

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 28 Benzene, propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	3.05 ug/L	70400	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 90
2		Benzene, propyl-	120 C9H12	000103-65-1 81
3		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 78
4		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 72
5		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

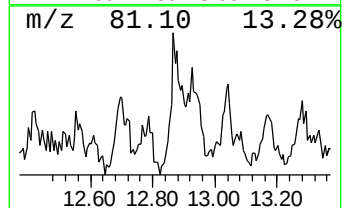
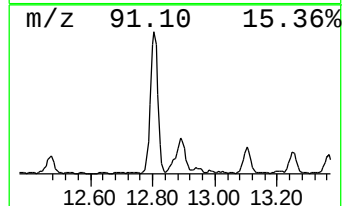
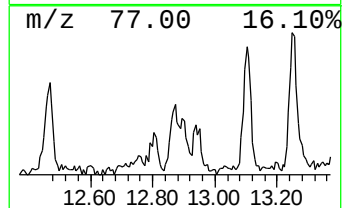
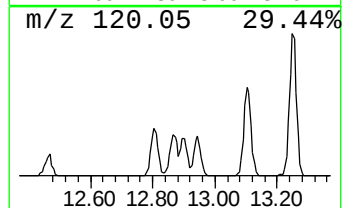
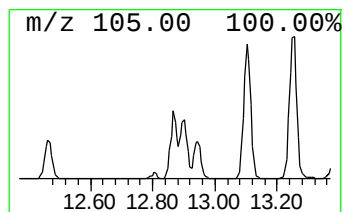
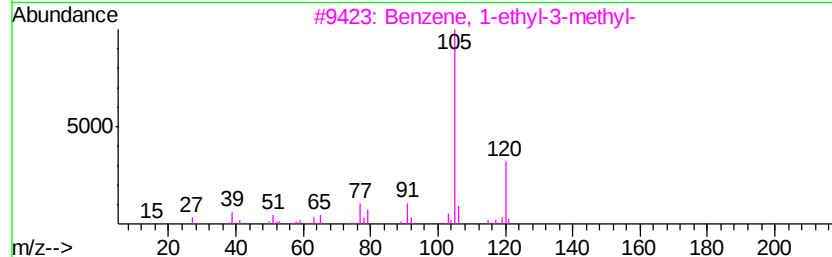
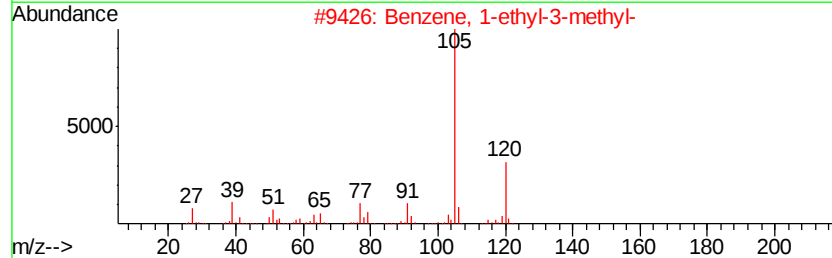
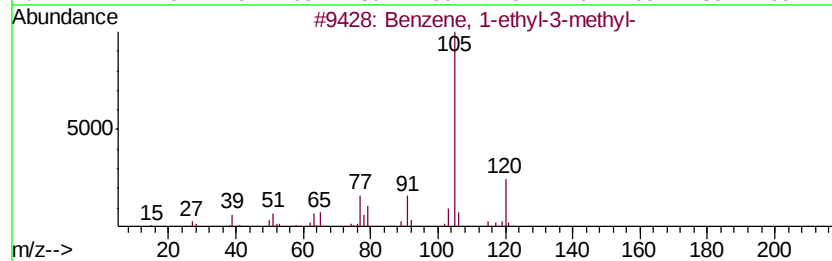
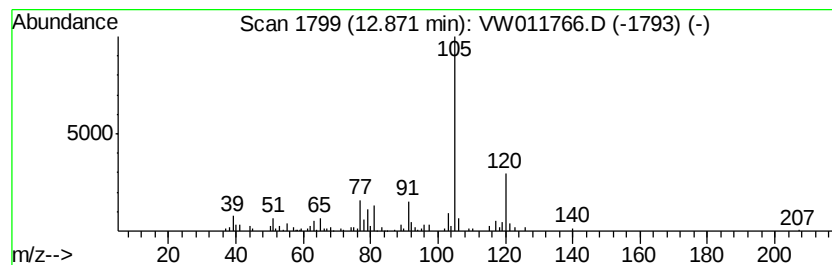
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-ethyl-3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	1.45 ug/L	33455	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

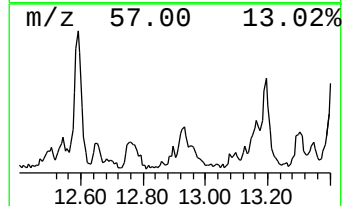
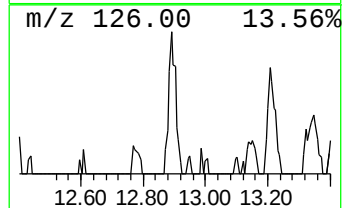
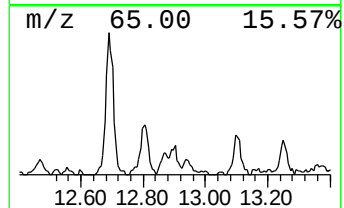
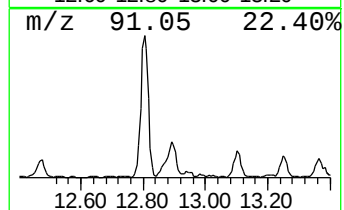
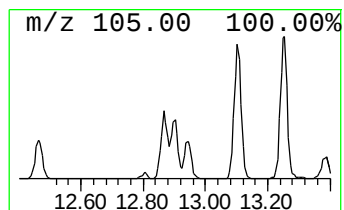
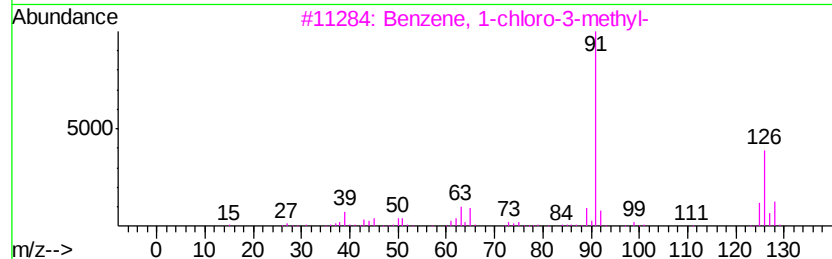
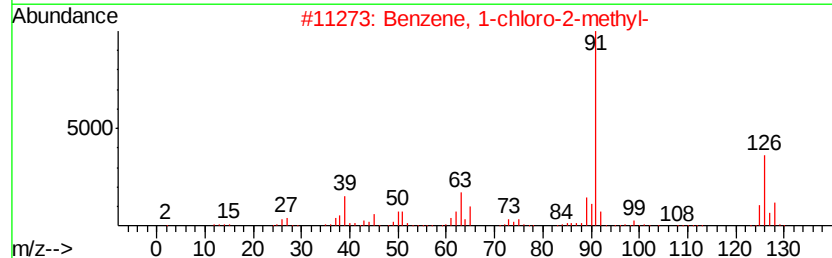
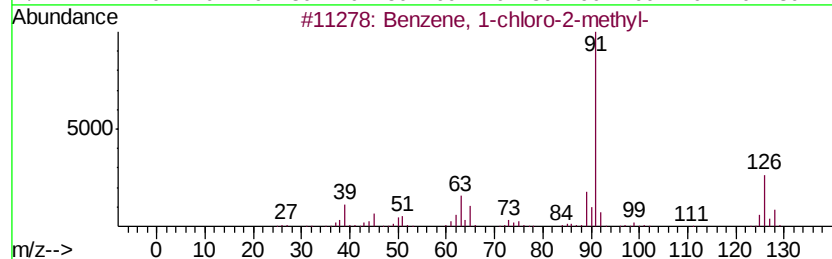
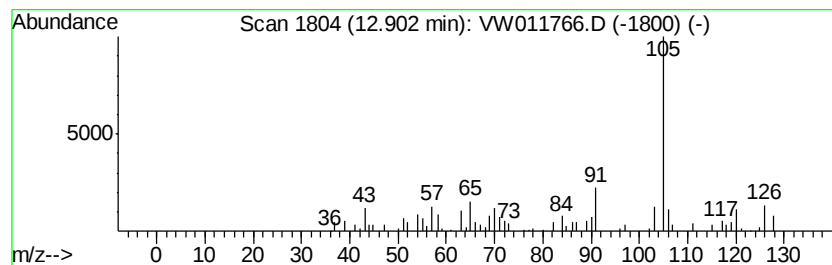
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Quant Title : VOC Analysis

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

Peak Number 30 unknown-03 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	1.90 ug/L	43896	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	18
2			Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	14
3			Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	11
4			Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	10
5			Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	10



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

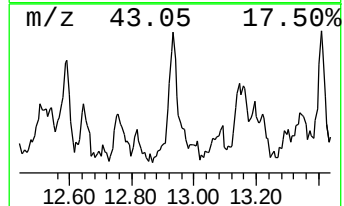
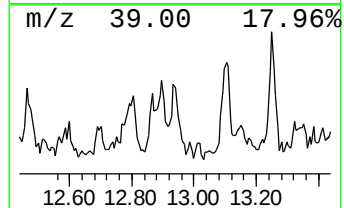
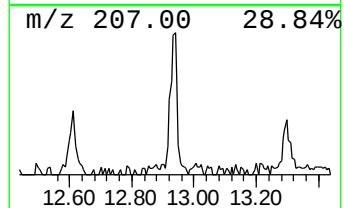
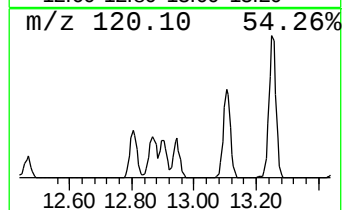
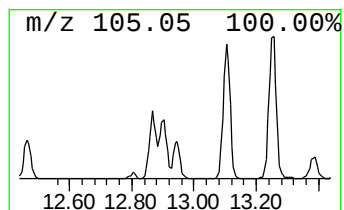
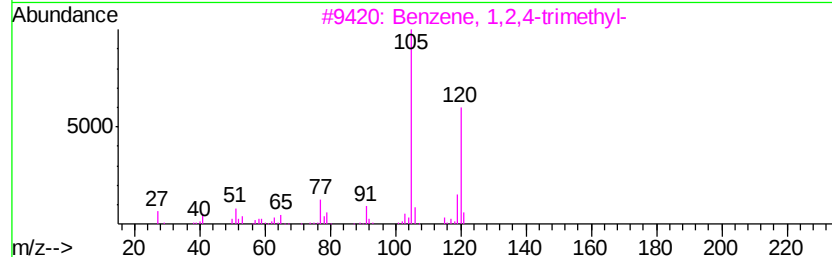
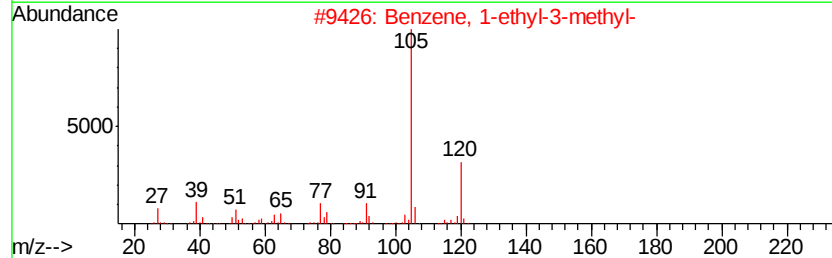
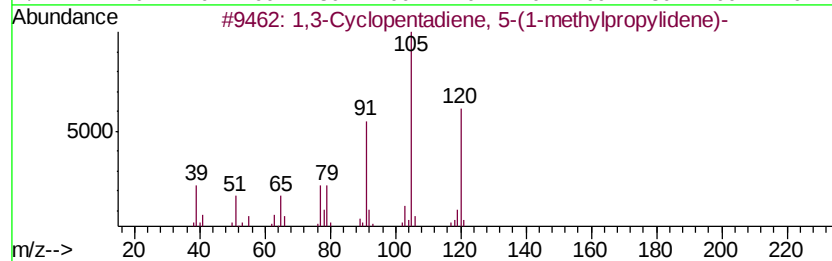
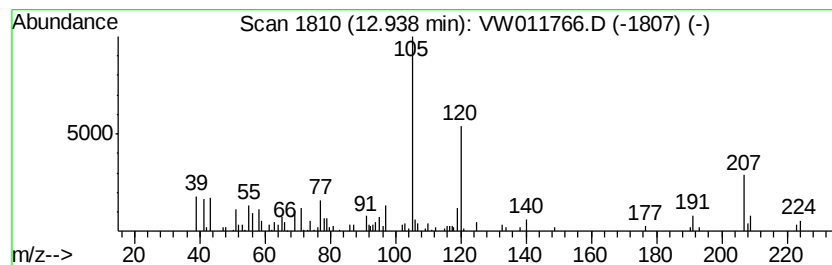
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	1.99 ug/L	45876	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	43
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	43
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	43
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	43
5		Mesitylene	120	C9H12	000108-67-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

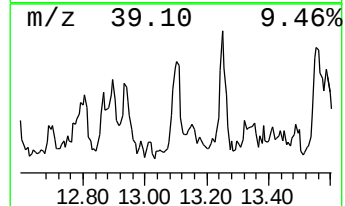
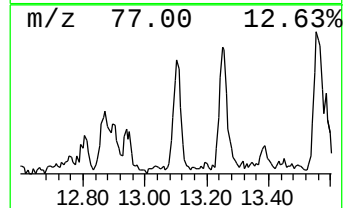
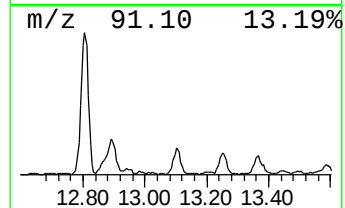
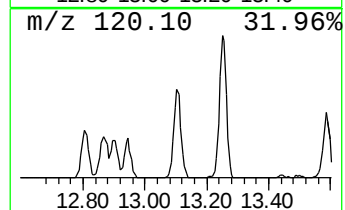
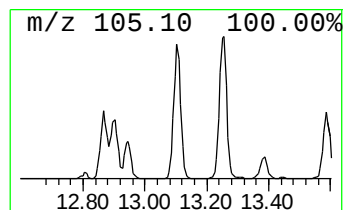
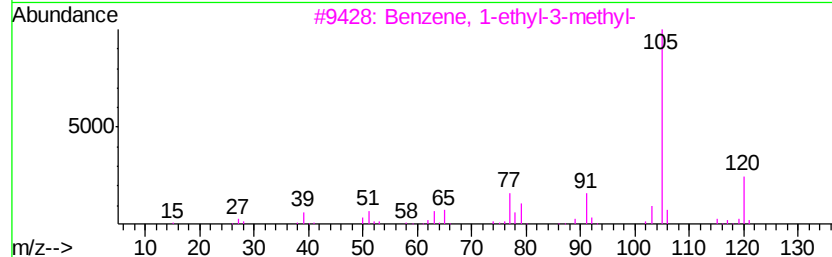
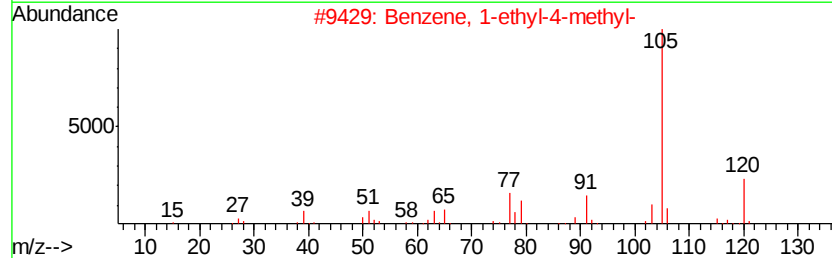
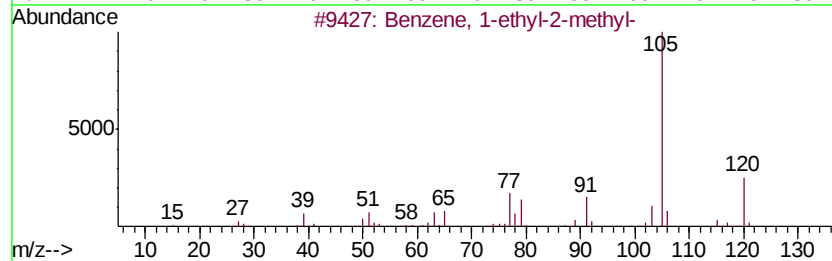
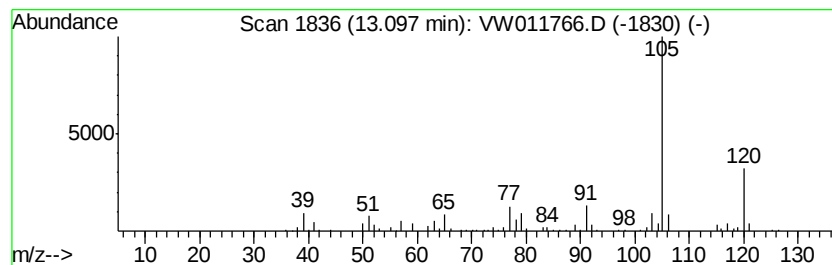
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.01 ug/L	69594	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	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

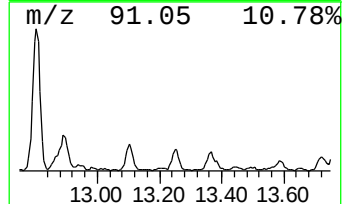
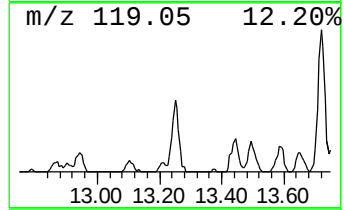
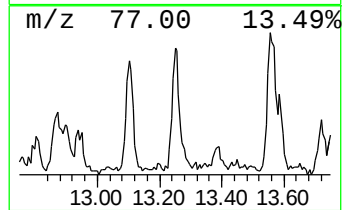
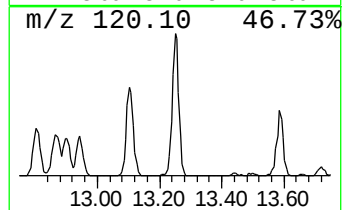
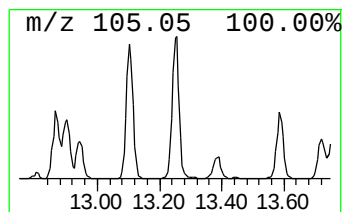
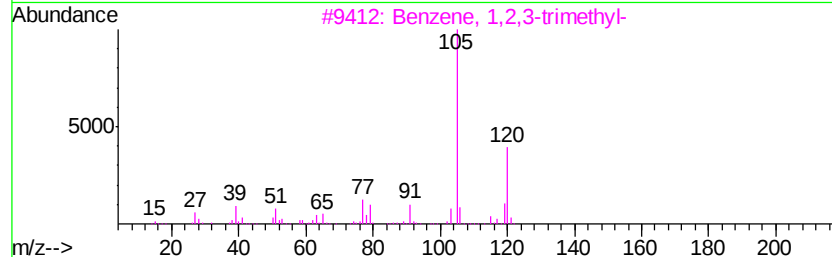
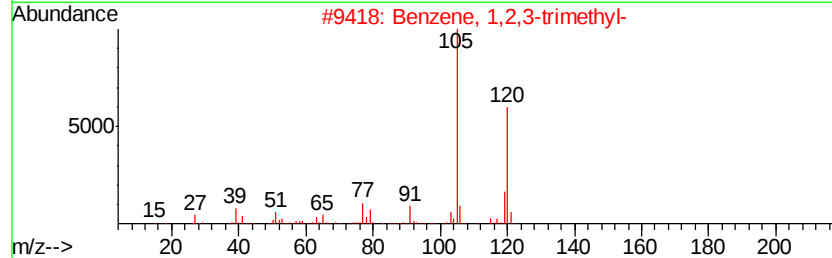
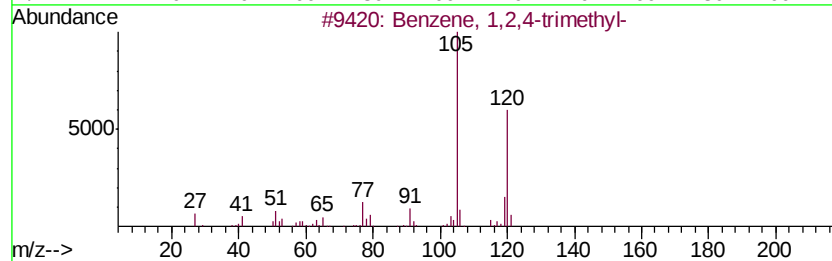
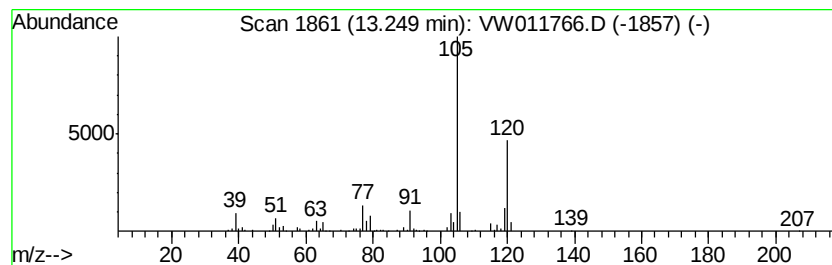
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1,2,4-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.83 ug/L	65274	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

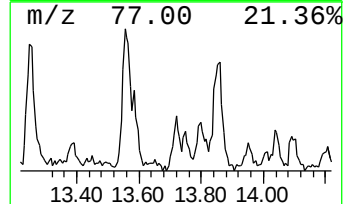
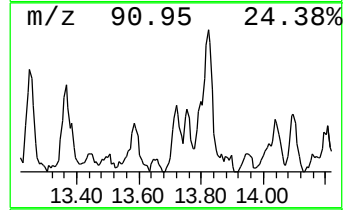
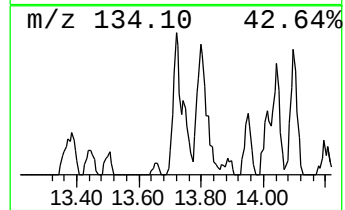
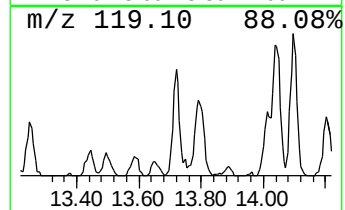
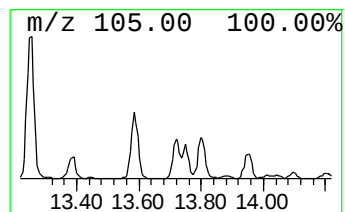
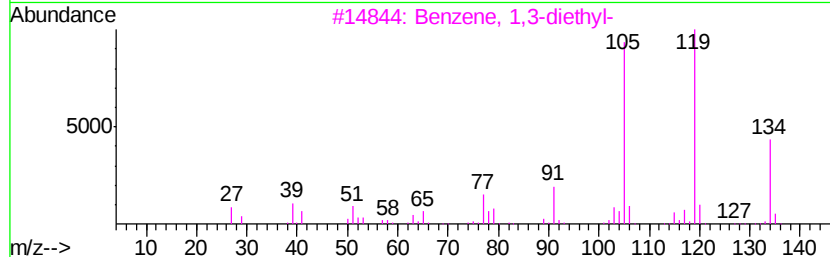
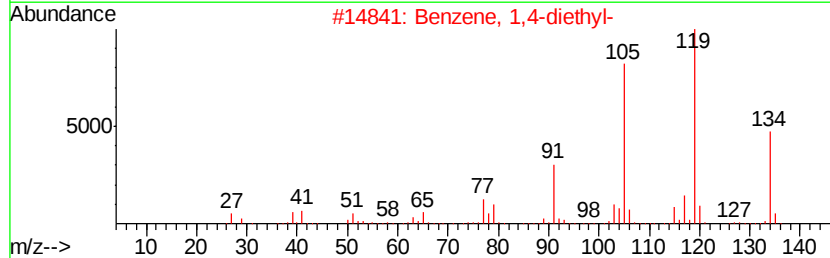
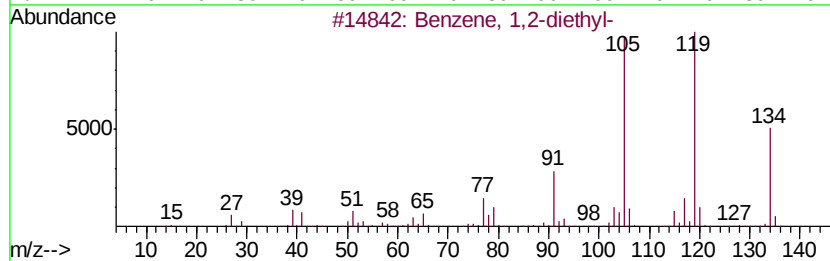
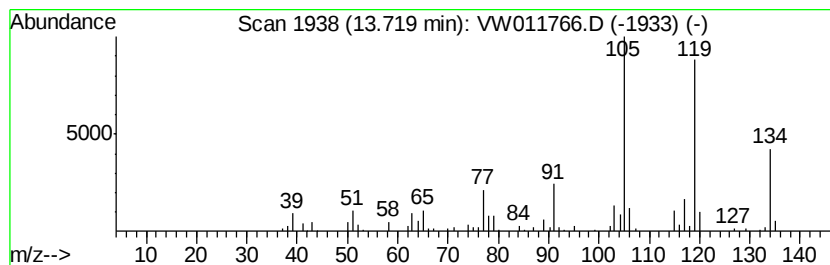
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1,2-diethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	1.37 ug/L	31684	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

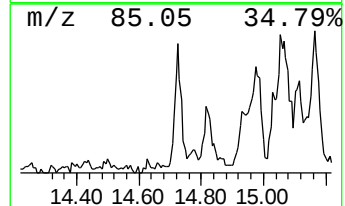
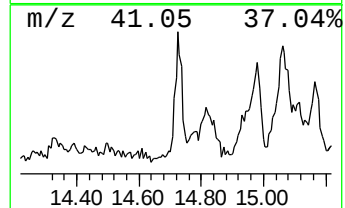
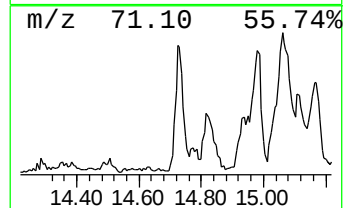
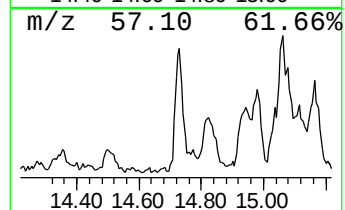
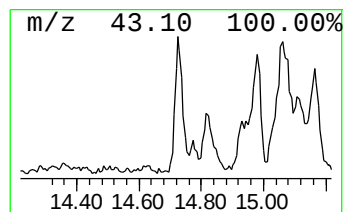
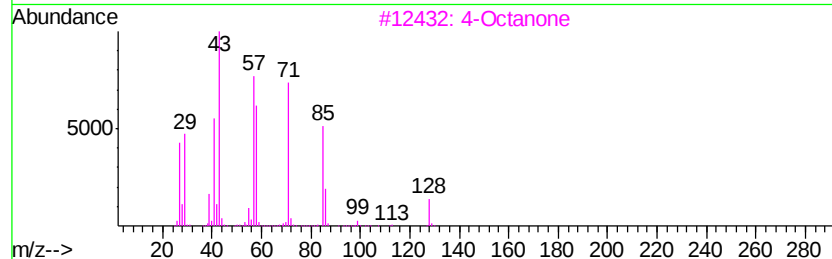
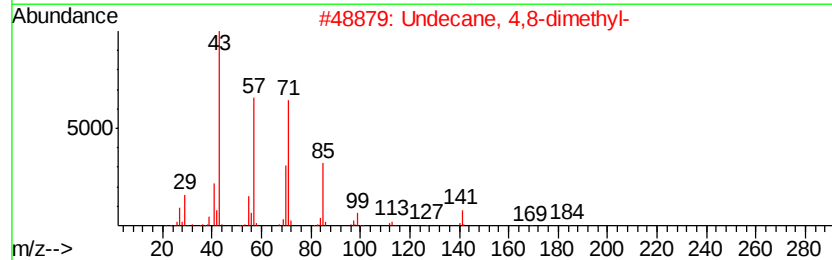
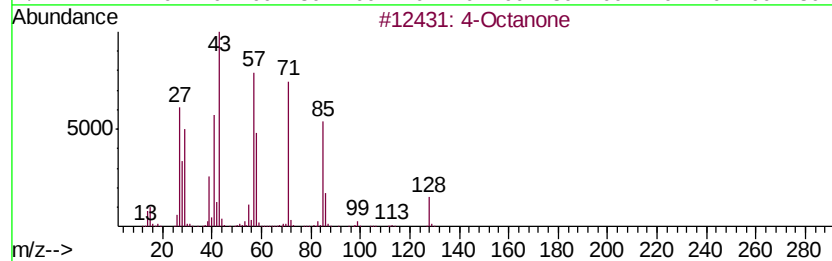
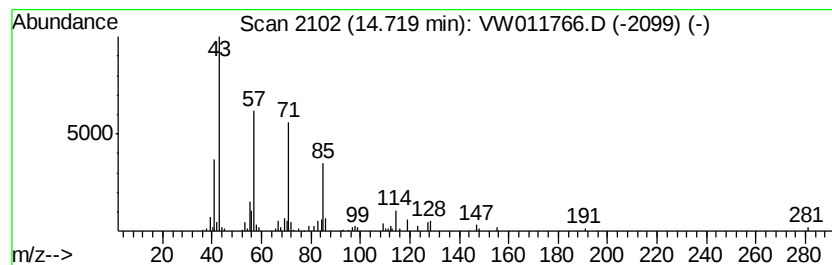
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Quant Title : VOC Analysis

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

Peak Number 35 4-Octanone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	1.66 ug/L	38283	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octanone	128	C8H16O	000589-63-9	50
2		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	50
3		4-Octanone	128	C8H16O	000589-63-9	50
4		Undecane, 4-methyl-	170	C12H26	002980-69-0	50
5		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

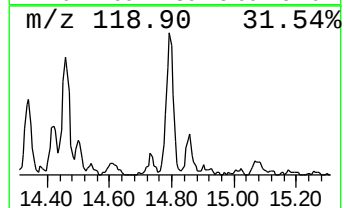
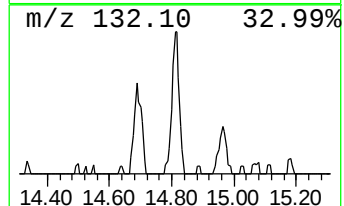
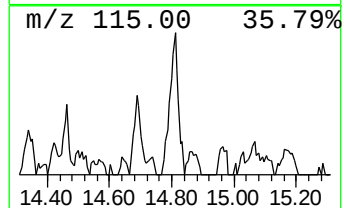
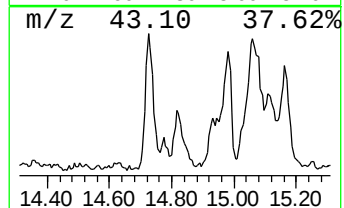
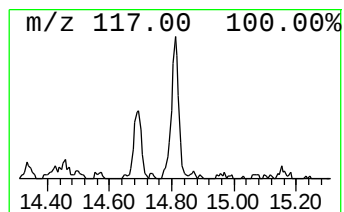
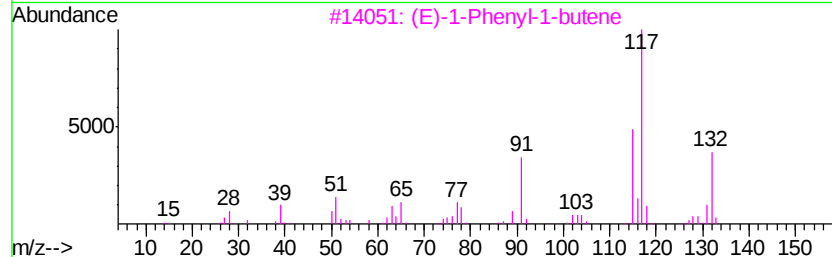
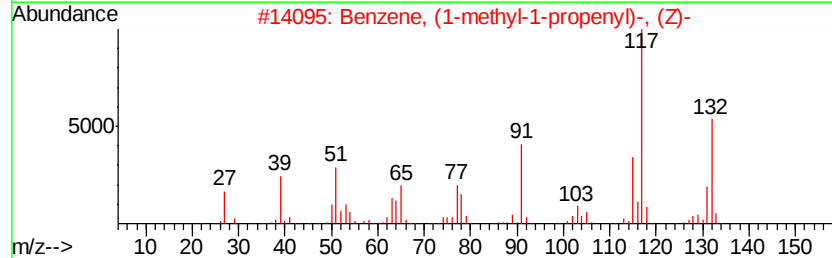
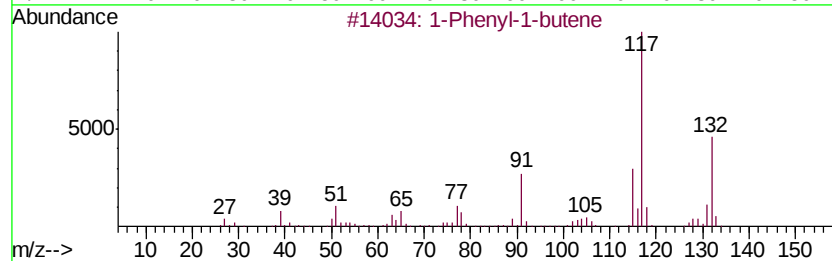
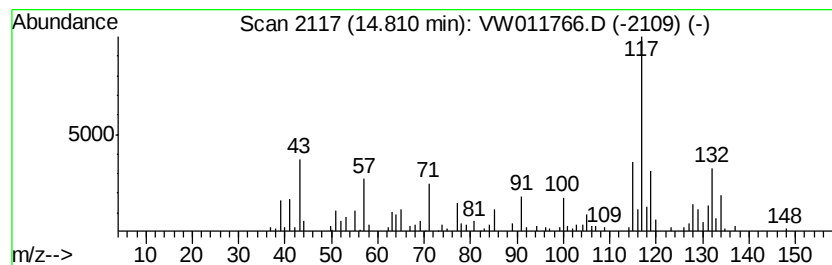
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Quant Title : VOC Analysis

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

Peak Number 36 1-Phenyl-1-butene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	3.34 ug/L	77271	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	76
2			Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	76
3			(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	76
4			Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	76
5			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

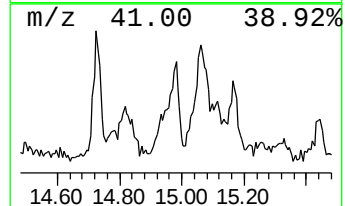
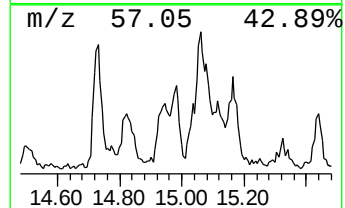
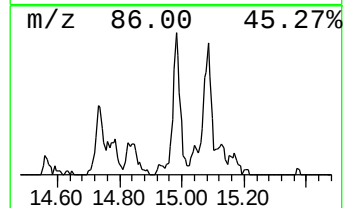
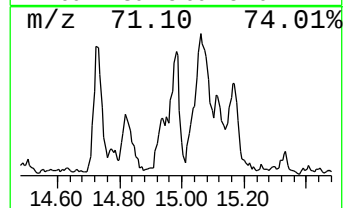
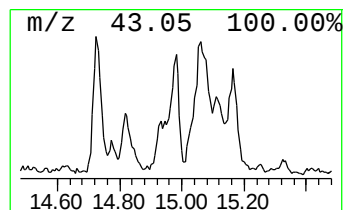
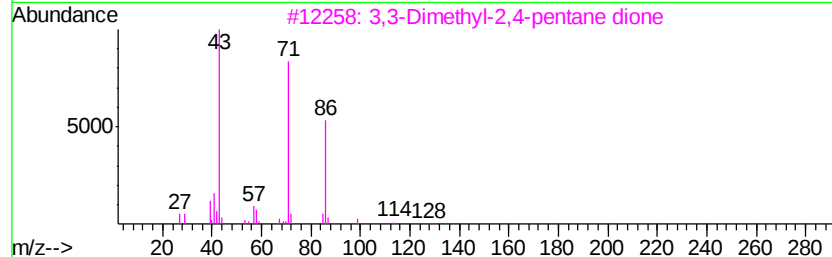
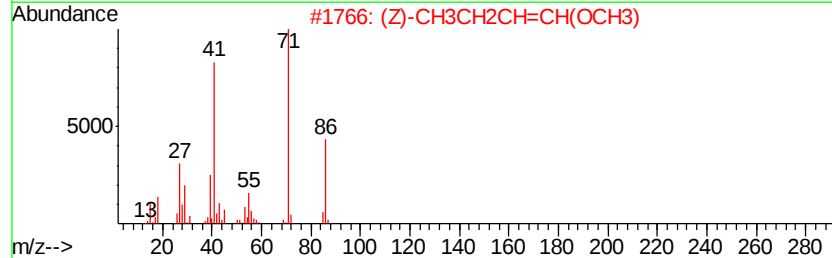
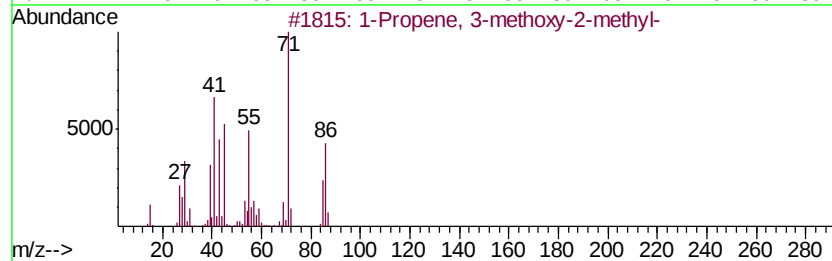
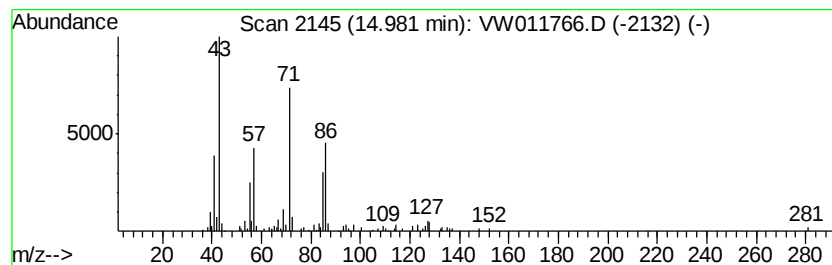
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Quant Title : VOC Analysis

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

Peak Number 37 1-Propene, 3-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	2.99 ug/L	69052	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	72
2		(Z)-CH3CH2CH=CH(OCH3)	86	C5H10O	010034-12-5	59
3		3,3-Dimethyl-2,4-pentane dione	128	C7H12O2	003142-58-3	59
4		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	47
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

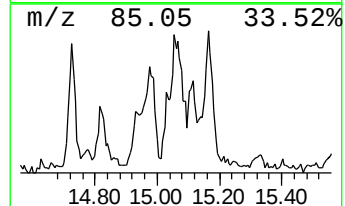
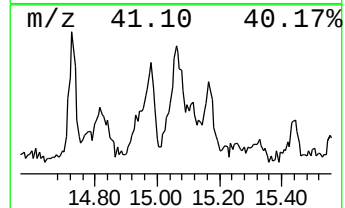
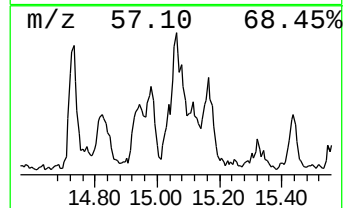
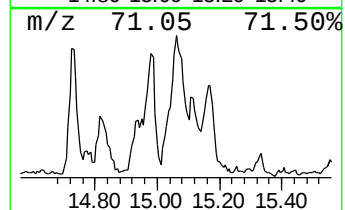
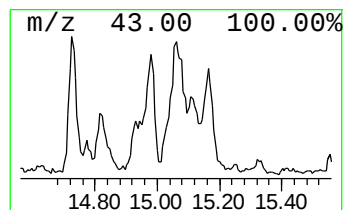
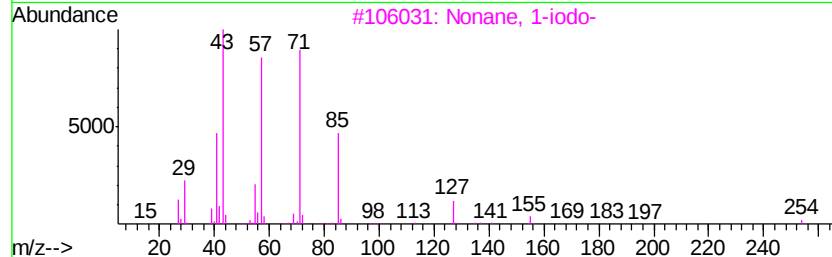
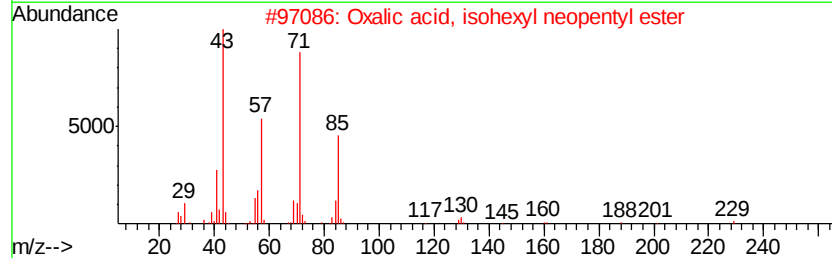
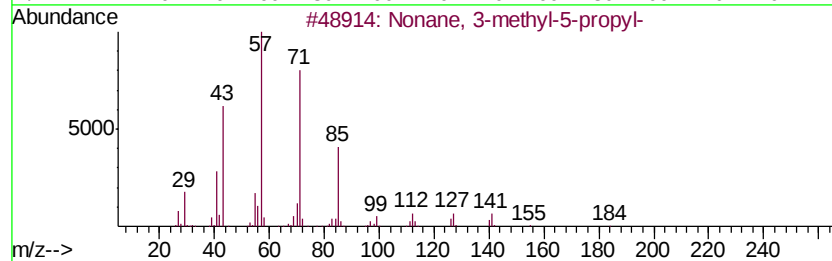
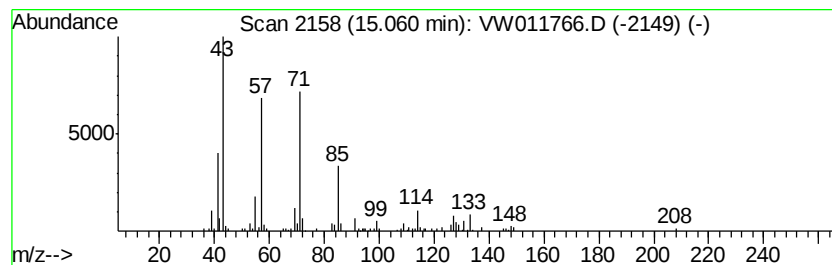
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	3.40 ug/L	78611	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	50
2		Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	47
3		Nonane, 1-iodo-	254	C9H19I	004282-42-2	47
4		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	47
5		2,5-Heptanedione, 3,3,6-trimethyl-	170	C10H18O2	051513-40-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
Data File : VW011766.D
Acq On : 08 Aug 2019 11:13
Operator : SY/VA
Sample : K4215-04
Misc : 3.95G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOB5

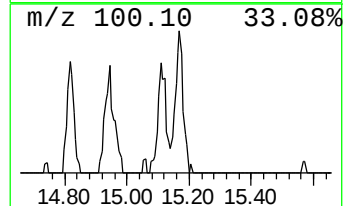
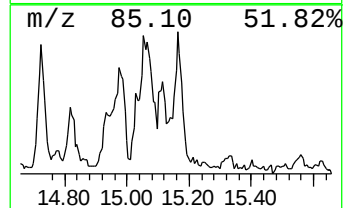
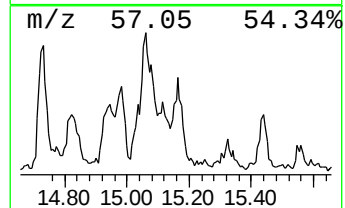
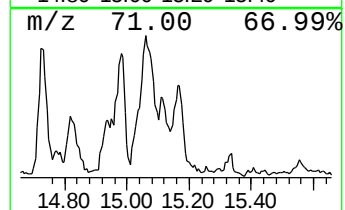
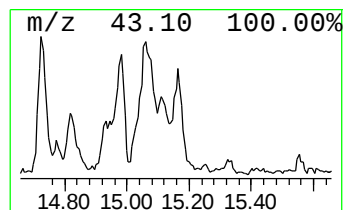
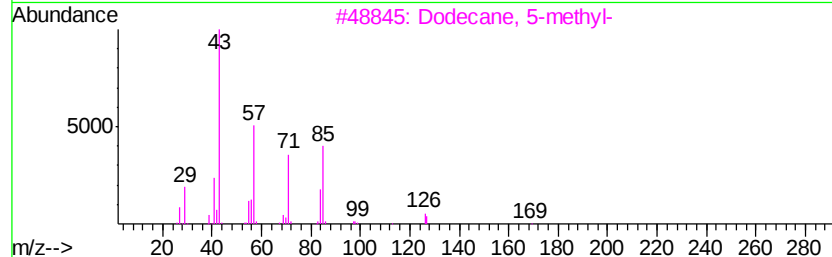
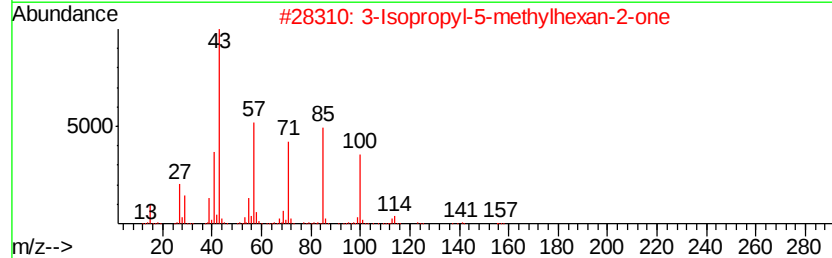
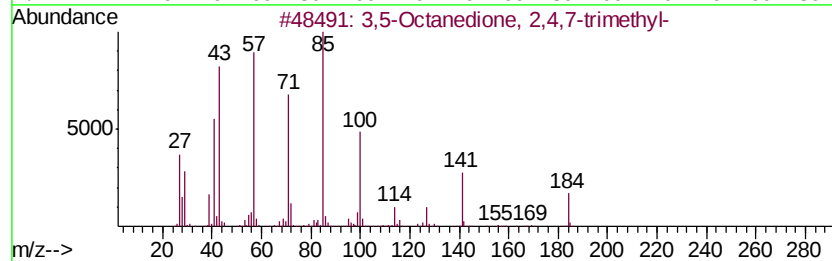
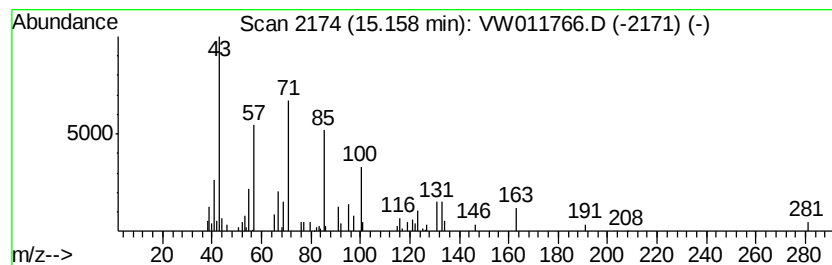
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Quant Title : VOC Analysis

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

Peak Number 39 3,5-Octanedione, 2,4,7-trim... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	1.66 ug/L	38437	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Octanedione, 2,4,7-trimethyl-	184	C11H20O2	1000162-73-7	50
2			3-Isopropyl-5-methylhexan-2-one	156	C10H20O	1000202-22-7	50
3			Dodecane, 5-methyl-	184	C13H28	017453-93-9	43
4			Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	37
5			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	37



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080919\
 Data File : VW011766.D
 Acq On : 08 Aug 2019 11:13
 Operator : SY/VA
 Sample : K4215-04
 Misc : 3.95G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOB5

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...	1.95	1.8	ug/L	63479	1	8.84	883579	25.0
(DEL) Alkane: Str...	3.01	1.6	ug/L	55514	1	8.84	883579	25.0
(DEL) Alkane: Str...	6.87	1.3	ug/L	46517	1	8.84	883579	25.0
(DEL) Alkane: Str...	8.03	13.0	ug/L	457951	1	8.84	883579	25.0
(DEL) Alkane: Str...	8.15	6.0	ug/L	211240	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	8.21	3.9	ug/L	137898	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	8.43	7.8	ug/L	274341	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	8.50	5.2	ug/L	181851	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	8.57	2.2	ug/L	76631	1	8.84	883579	25.0
(DEL) Alkane: Str...	9.15	12.2	ug/L	432383	1	8.84	883579	25.0
(DEL) Alkane: Str...	9.57	8.6	ug/L	305203	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	9.75	5.7	ug/L	202457	1	8.84	883579	25.0
Pyrrolidine	9.90	6.6	ug/L	232598	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	10.08	2.3	ug/L	81498	1	8.84	883579	25.0
(DEL) Alkane: Str...	10.13	2.5	ug/L	89714	1	8.84	883579	25.0
(DEL) Alkane: Cyc...	10.49	3.3	ug/L	113624	2	11.63	852816	25.0
(DEL) Alkane: Cyc...	10.66	3.1	ug/L	106306	2	11.63	852816	25.0
(DEL) Alkane: Cyc...	10.76	3.1	ug/L	107226	2	11.63	852816	25.0
unknown-01	11.07	1.7	ug/L	57361	2	11.63	852816	25.0
Dichloroacetic ac...	11.23	1.9	ug/L	63768	2	11.63	852816	25.0
Bicyclo[2.2.2]oct...	11.28	2.0	ug/L	67409	2	11.63	852816	25.0
unknown-02	11.41	2.7	ug/L	92536	2	11.63	852816	25.0
(DEL) Alkane: Str...	11.52	1.6	ug/L	56434	2	11.63	852816	25.0
Propylidencyclohe...	12.34	2.0	ug/L	66380	2	11.63	852816	25.0
Benzene, propyl-	12.80	3.0	ug/L	70400	3	13.56	577575	25.0
Benzene, 1-ethyl-...	12.87	1.5	ug/L	33455	3	13.56	577575	25.0
unknown-03	12.90	1.9	ug/L	43896	3	13.56	577575	25.0
unknown-04	12.94	2.0	ug/L	45876	3	13.56	577575	25.0
Benzene, 1-ethyl-...	13.10	3.0	ug/L	69594	3	13.56	577575	25.0
Benzene, 1,2,4-tr...	13.25	2.8	ug/L	65274	3	13.56	577575	25.0
Benzene, 1,2-diet...	13.72	1.4	ug/L	31684	3	13.56	577575	25.0
4-Octanone	14.72	1.7	ug/L	38283	3	13.56	577575	25.0
1-Phenyl-1-butene	14.81	3.3	ug/L	77271	3	13.56	577575	25.0
1-Propene, 3-meth...	14.98	3.0	ug/L	69052	3	13.56	577575	25.0
(DEL) Alkane: Str...	15.06	3.4	ug/L	78611	3	13.56	577575	25.0
3,5-Octanedione, ...	15.16	1.7	ug/L	38437	3	13.56	577575	25.0