

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042219\
 Data File : VW010087.D
 Acq On : 22 Apr 2019 18:00
 Operator : SY/VA
 Sample : K2455-18RE
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR8RE

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\SOM2WLM041519S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.160	36	42	47	rBV3	26835	53210	0.11%	0.008%
2	2.349	68	73	81	rVV	60366	115323	0.24%	0.016%
3	2.623	115	118	124	rVB7	6079	11255	0.02%	0.002%
4	2.885	155	161	173	rVB2	42737	109094	0.23%	0.016%
5	3.830	314	316	323	rVB7	2168	4212	0.01%	0.001%
6	3.995	334	343	354	rBV	147961	396796	0.84%	0.057%
7	4.117	357	363	373	rVB2	13177	39838	0.08%	0.006%
8	4.397	397	409	415	rBV3	9733	29828	0.06%	0.004%
9	4.897	481	491	502	rVB	26849	86546	0.18%	0.012%
10	5.153	529	533	536	rBV5	1782	3052	0.01%	0.000%
11	5.440	578	580	583	rVB4	3146	3103	0.01%	0.000%
12	5.476	583	586	590	rBV6	2677	3929	0.01%	0.001%
13	5.556	595	599	602	rBV6	2654	4129	0.01%	0.001%
14	5.623	609	610	615	rVB5	3239	3705	0.01%	0.001%
15	5.927	652	660	673	rVV4	16147	50132	0.11%	0.007%
16	6.324	722	725	728	rVV5	2289	3853	0.01%	0.001%
17	6.635	775	776	779	rBV3	2716	3217	0.01%	0.000%
18	6.964	827	830	832	rBV4	4142	5801	0.01%	0.001%
19	7.080	842	849	859	rBV2	37674	109864	0.23%	0.016%
20	7.250	873	877	884	rBV3	12101	28448	0.06%	0.004%
21	7.342	890	892	894	rBV3	5441	5399	0.01%	0.001%
22	7.647	933	942	949	rBV	189516	485187	1.02%	0.069%
23	8.275	1037	1045	1057	rBV2	376540	1125922	2.38%	0.161%
24	8.842	1132	1138	1145	rVB	404066	776393	1.64%	0.111%
25	9.274	1203	1209	1215	rBV	262623	530278	1.12%	0.076%
26	10.037	1330	1334	1339	rBV	125956	191498	0.40%	0.027%
27	10.323	1376	1381	1389	rBV	567870	992893	2.10%	0.142%
28	10.933	1476	1481	1488	rVB2	479072	843391	1.78%	0.120%
29	11.109	1506	1510	1514	rBV3	208364	377135	0.80%	0.054%
30	11.177	1518	1521	1525	rVV	537178	883940	1.87%	0.126%
31	11.231	1525	1530	1536	rVB	1059692	1921677	4.06%	0.274%
32	11.335	1542	1547	1552	rBV2	795983	1433259	3.03%	0.204%
33	11.408	1552	1559	1570	rVV4	1073958	3309876	6.99%	0.472%
34	11.512	1571	1576	1581	rBV	1886303	2997273	6.33%	0.428%

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 Title : VOC Analysis

35	11.634	1592	1596	1599	rBV	359256	522797	1.10%	0.075%
36	11.768	1614	1618	1620	rBV	544020	801142	1.69%	0.114%
37	11.804	1620	1624	1627	rVV2	1069167	2090813	4.41%	0.298%
38	11.841	1627	1630	1633	rVV	1787121	2958919	6.25%	0.422%
39	11.872	1633	1635	1639	rVV	1826234	2844918	6.01%	0.406%
40	11.914	1639	1642	1647	rVB2	1525467	2569076	5.42%	0.366%
41	11.975	1648	1652	1658	rBV3	771659	1814376	3.83%	0.259%
42	12.140	1672	1679	1685	rBV2	3305965	7085551	14.96%	1.011%
43	12.256	1690	1698	1702	rVB	5416367	8695342	18.36%	1.240%
44	12.365	1702	1716	1727	rBV3	8510377	30425497	64.23%	4.340%
45	12.457	1728	1731	1733	rBV4	843338	1150323	2.43%	0.164%
46	12.506	1735	1739	1742	rBV4	1866317	3096014	6.54%	0.442%
47	12.542	1742	1745	1748	rBV	3074909	3610330	7.62%	0.515%
48	12.621	1754	1758	1760	rBV3	1227026	1917661	4.05%	0.274%
49	12.652	1760	1763	1767	rVV	2886662	4298146	9.07%	0.613%
50	12.701	1767	1771	1775	rVB3	1465720	2590076	5.47%	0.369%
51	12.780	1780	1784	1791	rVB2	5882270	10643839	22.47%	1.518%
52	12.859	1791	1797	1801	rBV3	2679816	6099181	12.88%	0.870%
53	12.932	1801	1809	1816	rVV3	12686155	29227122	61.70%	4.169%
54	12.993	1816	1819	1824	rVB2	3570012	5498980	11.61%	0.784%
55	13.048	1824	1828	1829	rBV3	719638	926989	1.96%	0.132%
56	13.109	1829	1838	1844	rBV4	4549594	14173278	29.92%	2.022%
57	13.170	1844	1848	1855	rVB	12389340	18988876	40.09%	2.708%
58	13.255	1859	1862	1866	rVB3	1709173	2136535	4.51%	0.305%
59	13.298	1866	1869	1873	rVB	1242671	1464488	3.09%	0.209%
60	13.347	1873	1877	1880	rBV2	2903009	4229286	8.93%	0.603%
61	13.451	1887	1894	1898	rBV4	9134529	19170369	40.47%	2.734%
62	13.487	1898	1900	1904	rVV2	5978183	8815136	18.61%	1.257%
63	13.524	1904	1906	1909	rVV	3166524	3846666	8.12%	0.549%
64	13.560	1909	1912	1915	rVB	4368546	5278640	11.14%	0.753%
65	13.627	1920	1923	1930	rVB3	4591607	6215494	13.12%	0.887%
66	13.707	1930	1936	1940	rBV4	2502769	6188803	13.07%	0.883%
67	13.749	1941	1943	1947	rVB2	2045894	2742596	5.79%	0.391%
68	13.804	1947	1952	1959	rBV3	3368562	6933611	14.64%	0.989%
69	13.883	1959	1965	1969	rBV2	11238289	20129175	42.50%	2.871%
70	13.926	1969	1972	1975	rBV2	2267820	2547369	5.38%	0.363%
71	14.042	1984	1991	1996	rBV6	5155245	11078301	23.39%	1.580%

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72	14.103	1997	2001	2004	rVV	6176255	8544547	18.04%	1.219%
73	14.139	2004	2007	2013	rVB2	6749475	10085881	21.29%	1.439%
74	14.206	2013	2018	2024	rBV3	8511672	14799145	31.24%	2.111%
75	14.267	2024	2028	2035	rBV6	3316563	7382326	15.59%	1.053%
76	14.353	2035	2042	2045	rBV4	10613543	22748966	48.03%	3.245%
77	14.395	2045	2049	2053	rVV3	15844801	28275394	59.69%	4.033%
78	14.432	2053	2055	2058	rVV3	5847420	8534583	18.02%	1.217%
79	14.463	2058	2060	2063	rVB	5015393	5432420	11.47%	0.775%
80	14.505	2063	2067	2071	rVB3	7833150	9482322	20.02%	1.353%
81	14.554	2071	2075	2081	rVB5	7349746	12222111	25.80%	1.743%
82	14.609	2081	2084	2087	rBV2	1435820	1940768	4.10%	0.277%
83	14.706	2095	2100	2103	rBV3	2889508	6201129	13.09%	0.884%
84	14.743	2103	2106	2109	rVV2	3333840	4435684	9.36%	0.633%
85	14.804	2110	2116	2120	rVV3	23488626	47367260	100.00%	6.756%
86	14.847	2120	2123	2131	rVB2	25832237	44383893	93.70%	6.331%
87	14.932	2133	2137	2140	rBV4	2821498	4788120	10.11%	0.683%
88	15.072	2155	2160	2164	rVB3	5995327	9429551	19.91%	1.345%
89	15.115	2164	2167	2171	rVB2	2088969	2865037	6.05%	0.409%
90	15.188	2171	2179	2186	rBV4	9048799	27346944	57.73%	3.901%
91	15.334	2198	2203	2207	rBV2	17647969	30202746	63.76%	4.308%
92	15.475	2222	2226	2230	rBV3	3448169	5961397	12.59%	0.850%
93	15.670	2249	2258	2264	rBV8	5398888	16553315	34.95%	2.361%
94	15.743	2265	2270	2276	rVB2	6428515	12210479	25.78%	1.742%
95	16.023	2311	2316	2323	rVB5	2675811	7263425	15.33%	1.036%
96	16.176	2336	2341	2346	rBV3	3920898	8311024	17.55%	1.185%
97	16.224	2346	2349	2356	rVB3	3085010	5459732	11.53%	0.779%
98	16.298	2356	2361	2367	rVB	4359405	7551703	15.94%	1.077%
99	16.450	2380	2386	2398	rVB2	13270319	30155267	63.66%	4.301%
100	16.651	2411	2419	2431	rVB	7159881	21414988	45.21%	3.055%

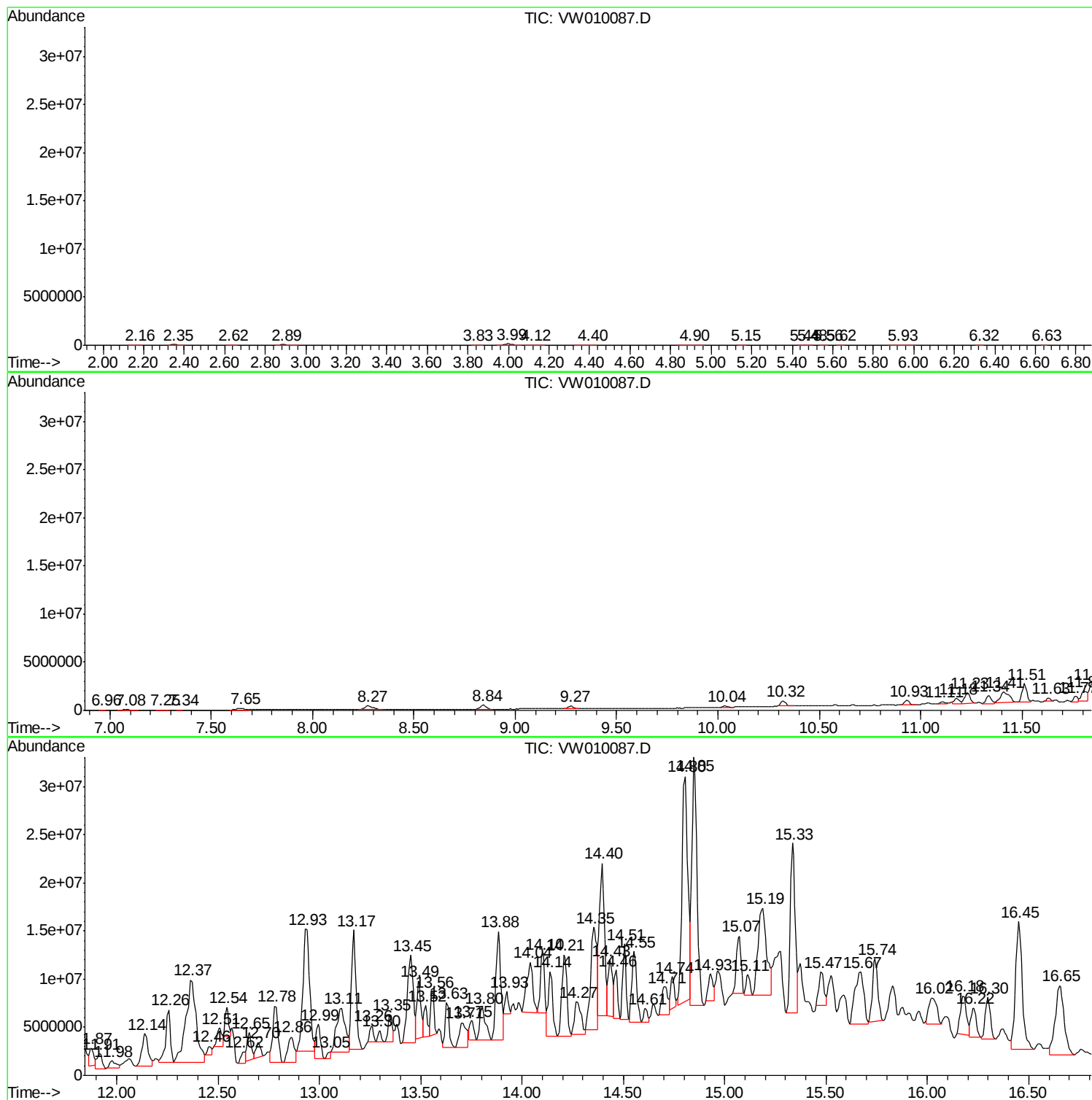
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Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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



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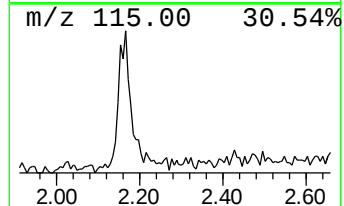
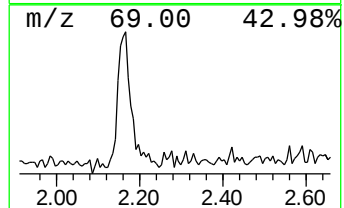
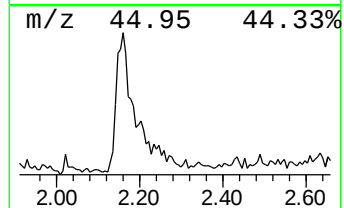
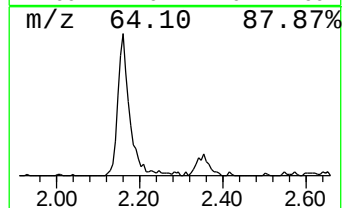
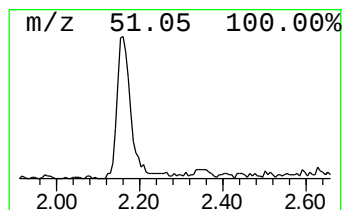
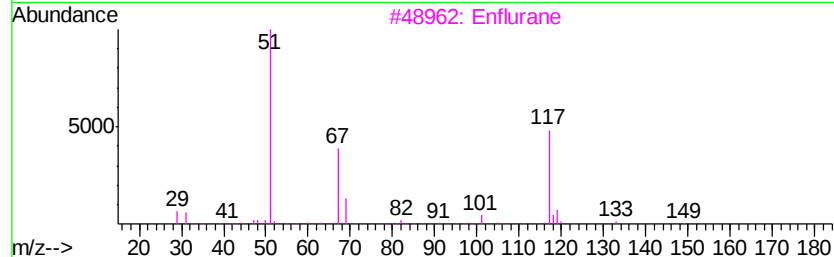
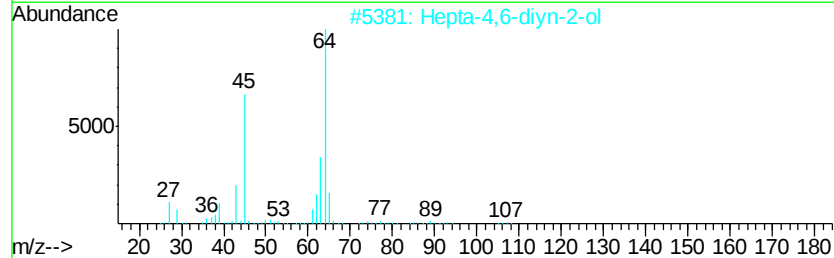
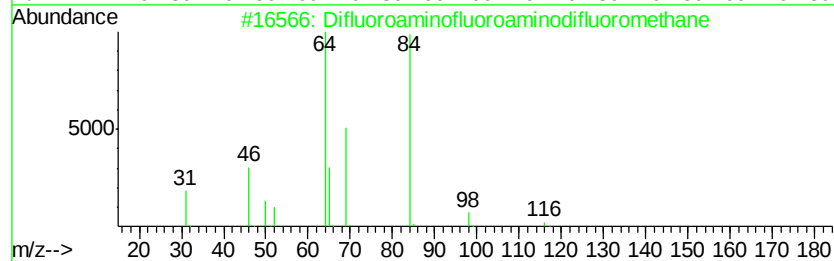
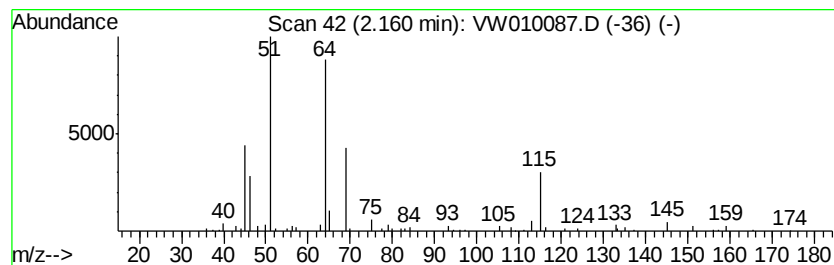
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	1.71 ug/L	53210	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Difluoroaminofluoroaminodifluoro...	136	CHF5N2	037931-37-6	9
2		Hepta-4,6-diyn-2-ol	108	C7H8O	1000154-66-3	9
3		Enflurane	184	C3H2ClF5O	013838-16-9	9
4		Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	7
5		Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5



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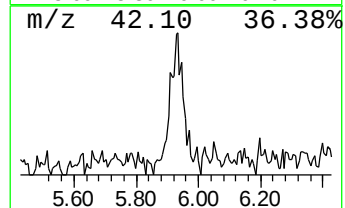
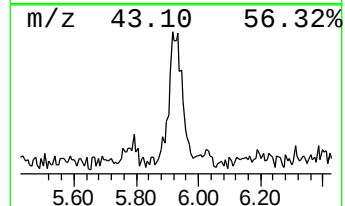
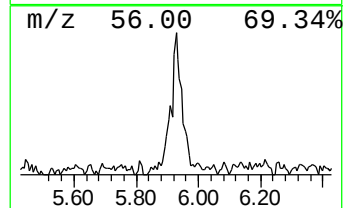
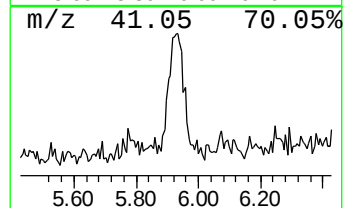
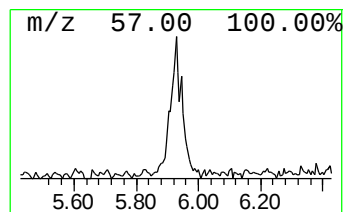
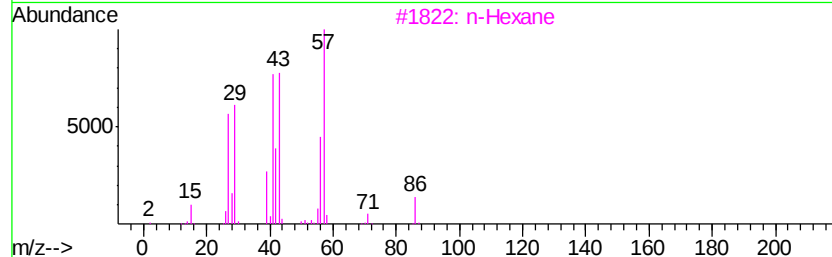
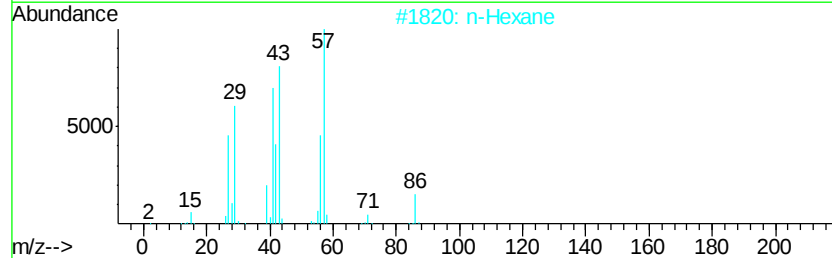
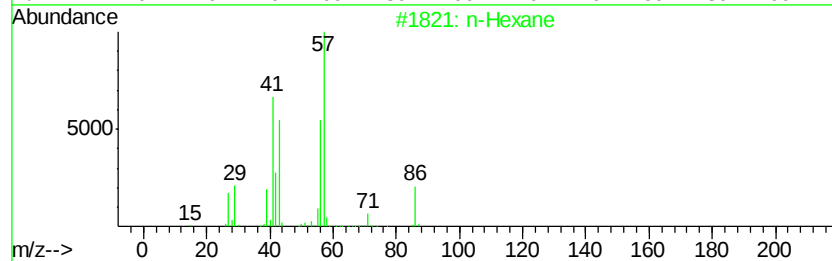
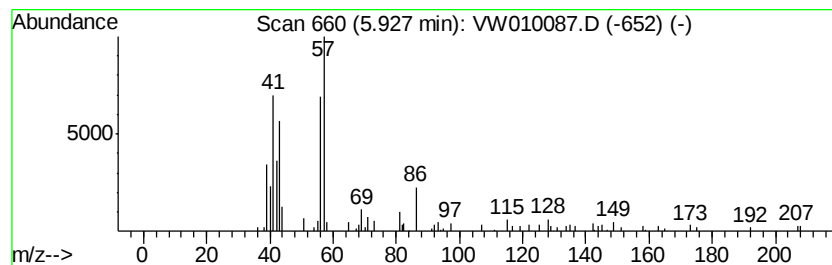
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis

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

 Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	1.61 ug/L	50132	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	72
2		n-Hexane	86	C6H14	000110-54-3	49
3		n-Hexane	86	C6H14	000110-54-3	43
4		3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	35
5		1-Hexene, 4-methyl-	98	C7H14	003769-23-1	32



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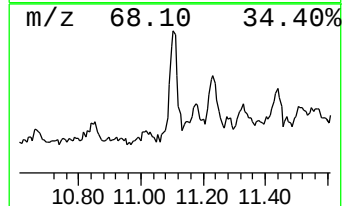
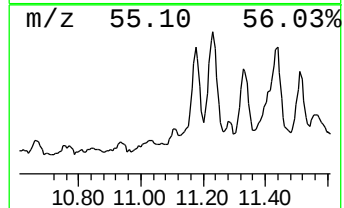
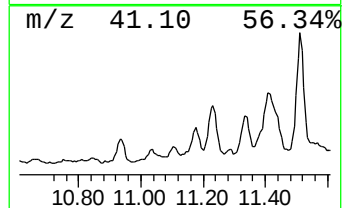
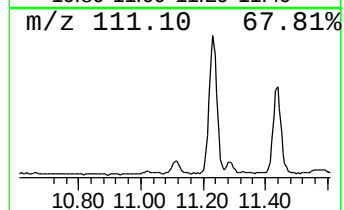
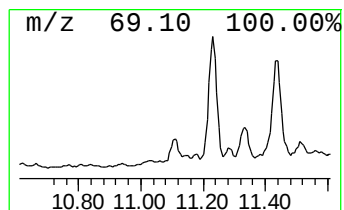
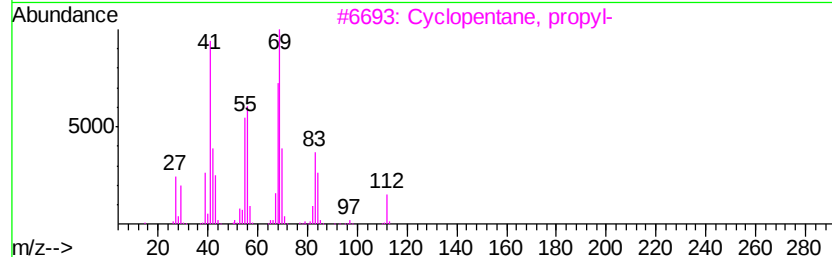
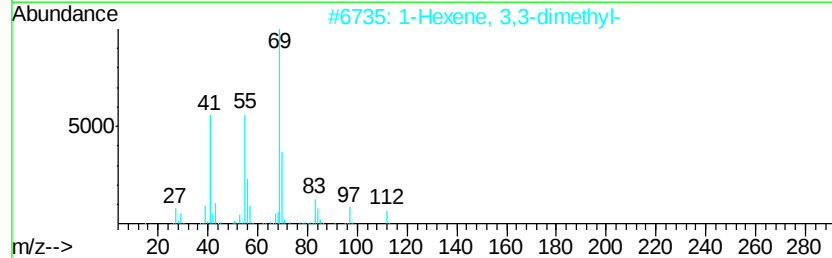
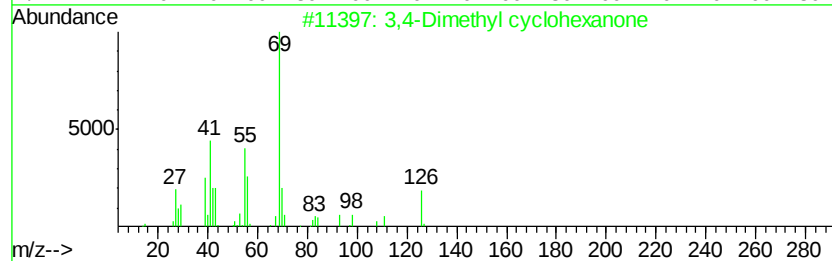
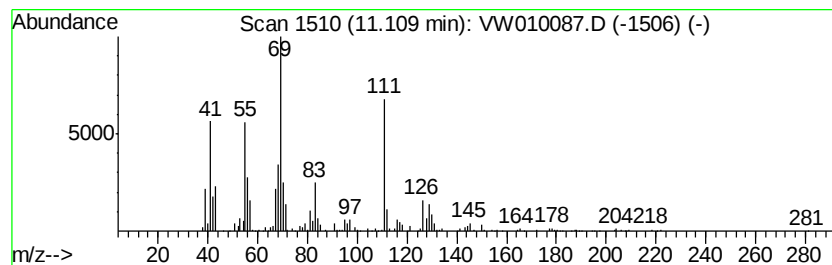
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-02 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	18.03 ug/L	377135	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	46
2		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
3		Cyclopentane, propyl-	112	C8H16	002040-96-2	30
4		Cyclopentane, propyl-	112	C8H16	002040-96-2	30
5		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

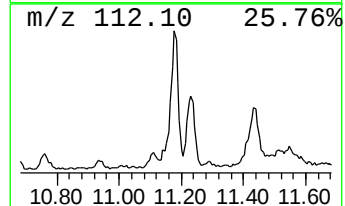
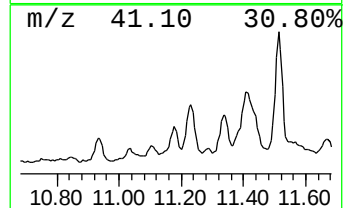
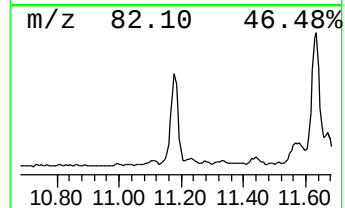
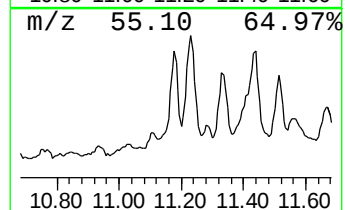
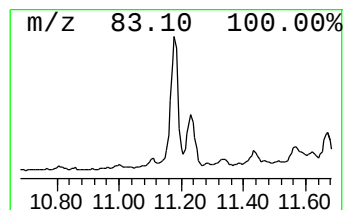
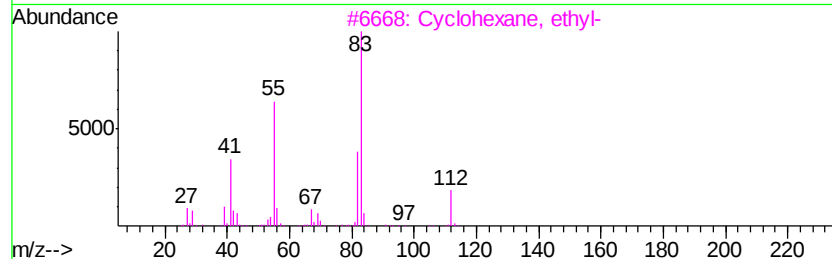
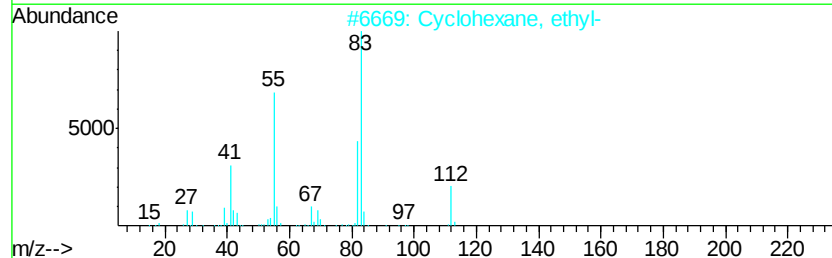
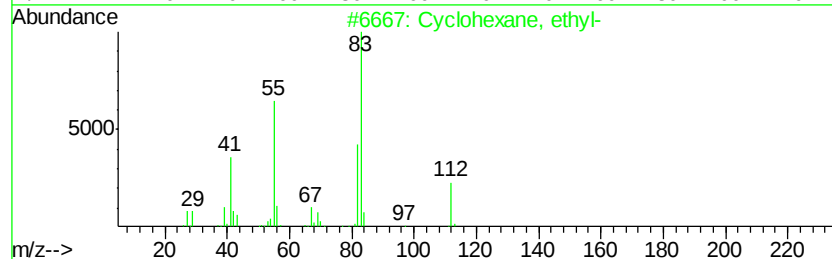
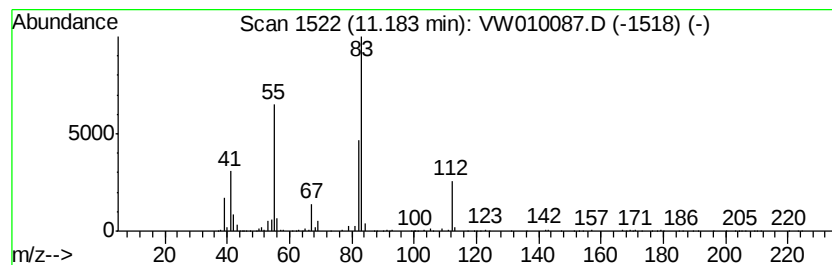
Instrument :
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ClientSampleId :
GAHR8RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic11.18 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.18	42.27 ug/L	883940	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cvclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cvclohexane, ethyl-	112	C8H16	001678-91-7	87
4	Cvclohexane, ethyl-	112	C8H16	001678-91-7	87
5	Cvclohexane, ethyl-	112	C8H16	001678-91-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

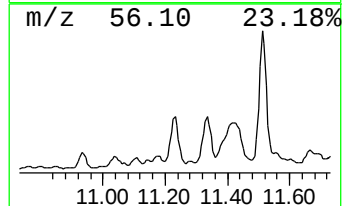
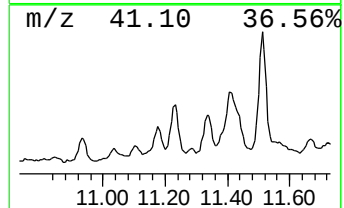
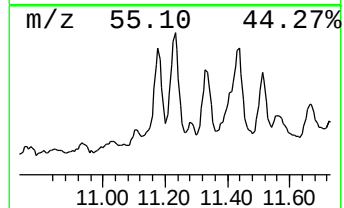
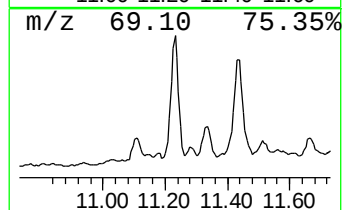
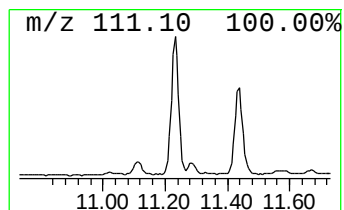
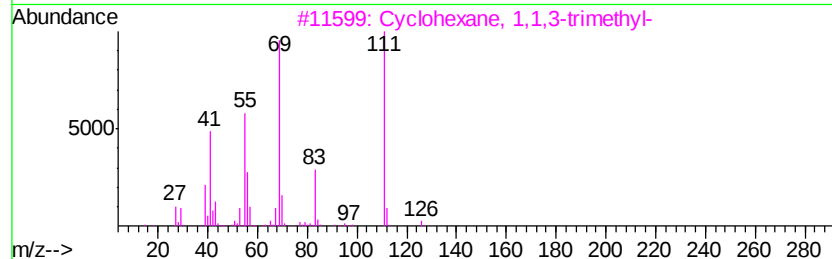
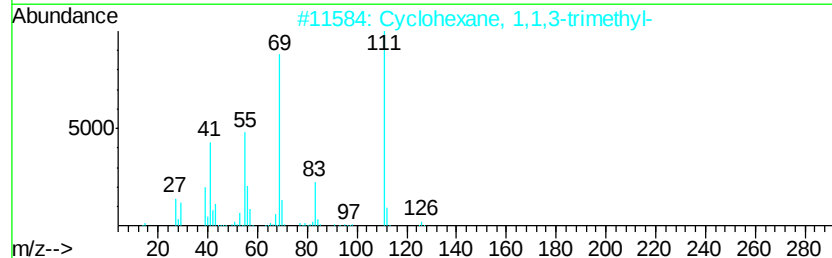
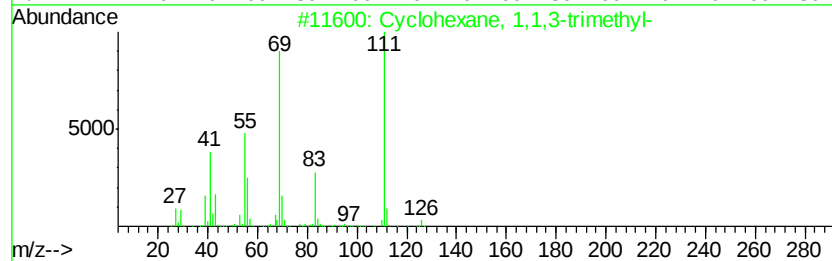
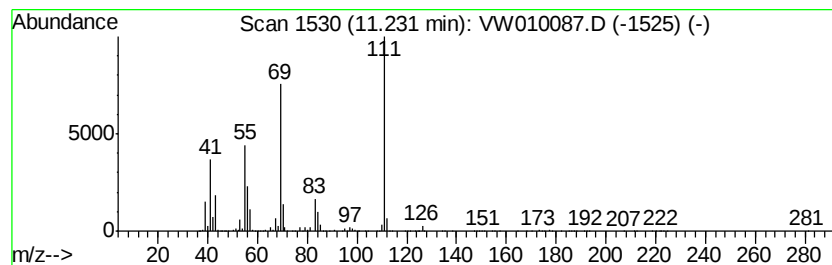
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic11.23 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	91.89 ug/L	1921680	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

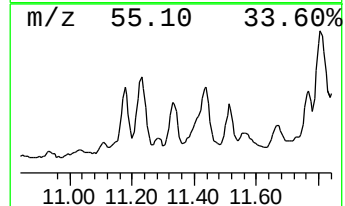
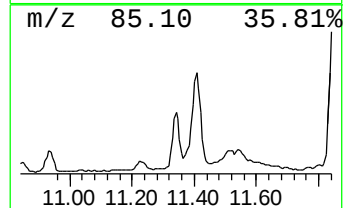
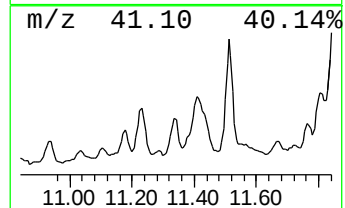
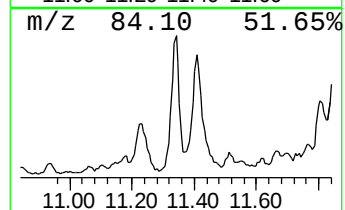
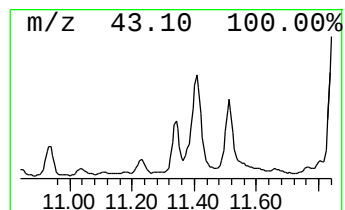
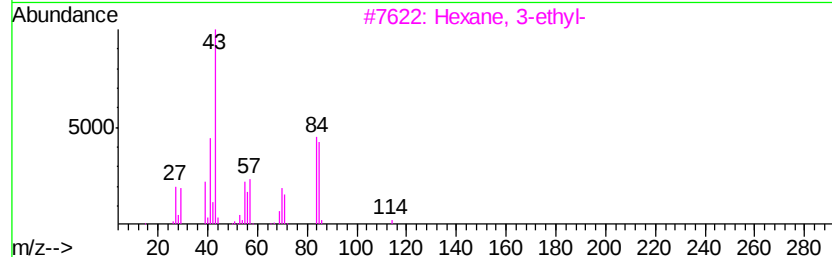
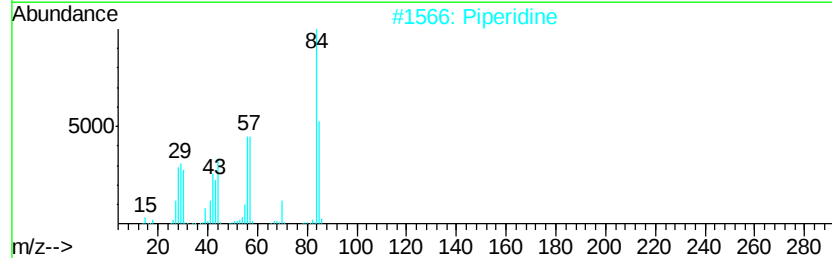
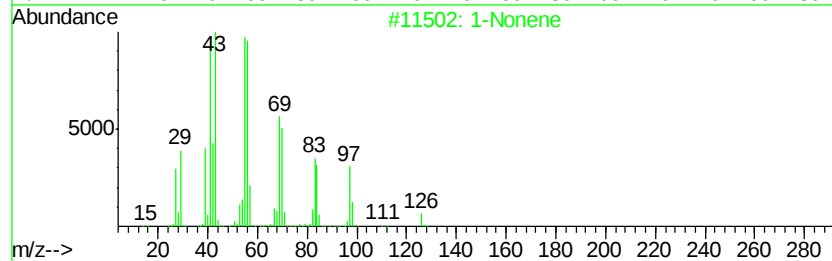
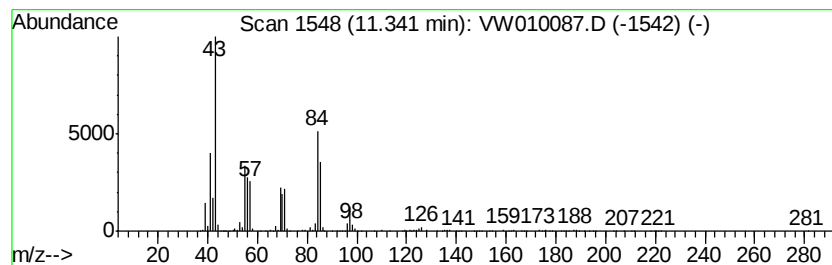
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic11.34 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	68.54 ug/L	1433260	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonene	126	C9H18	000124-11-8	49
2		Piperidine	85	C5H11N	000110-89-4	46
3		Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
4		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	43
5		1-Fluorononane	146	C9H19F	000463-18-3	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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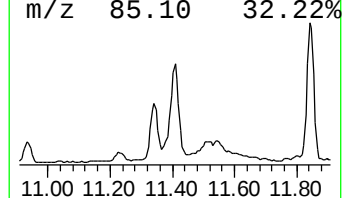
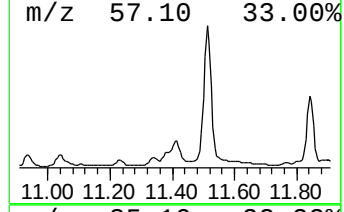
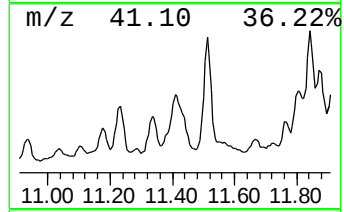
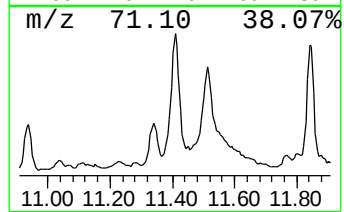
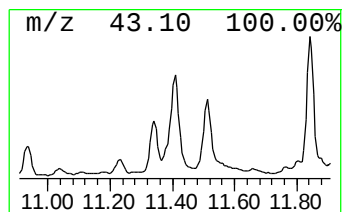
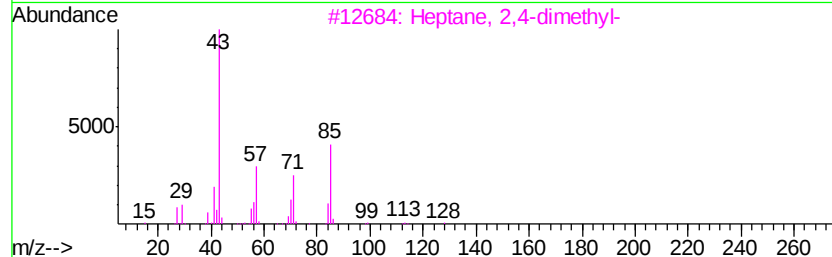
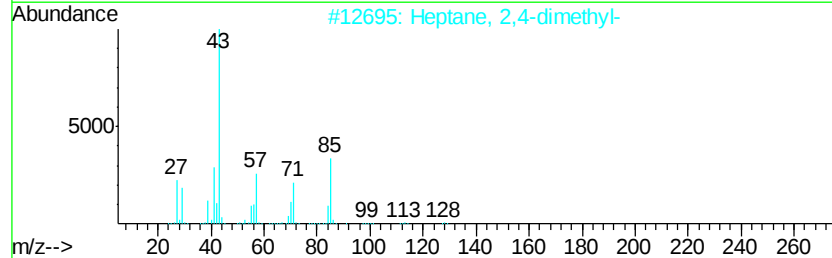
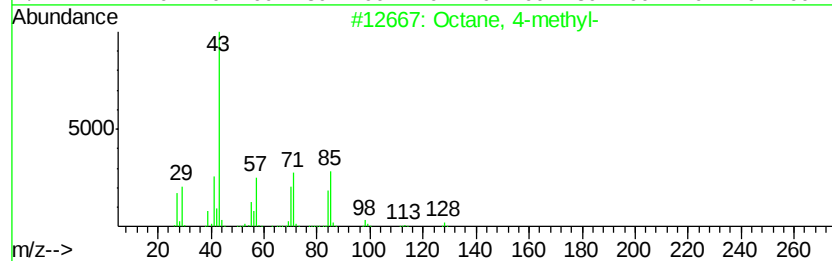
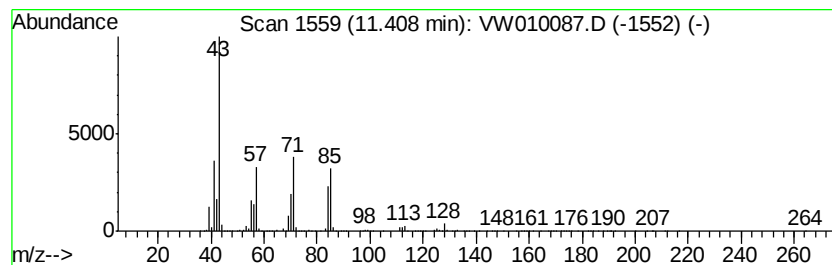
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	158.28 ug/L	3309880	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 4-methyl-	128	C9H20	002216-34-4	91
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4		Octane, 4-methyl-	128	C9H20	002216-34-4	64
5		Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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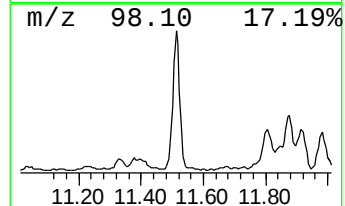
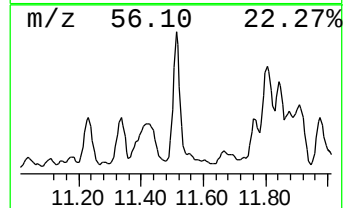
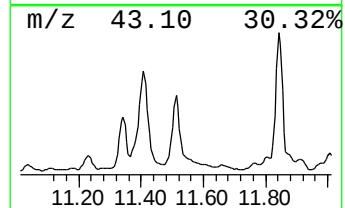
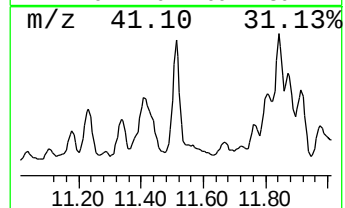
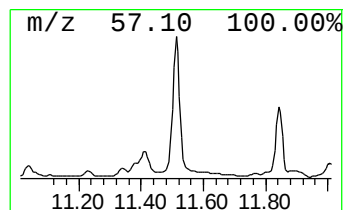
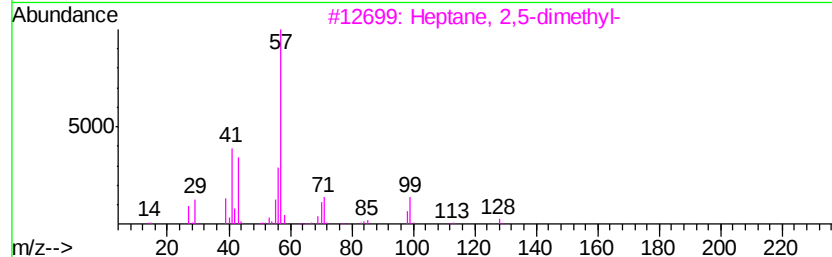
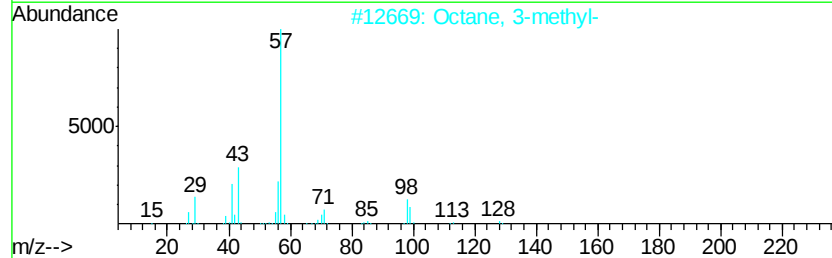
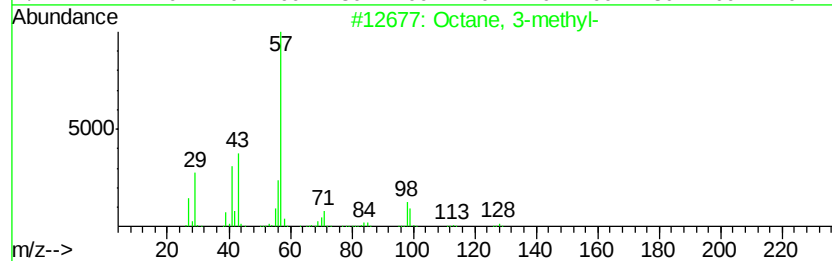
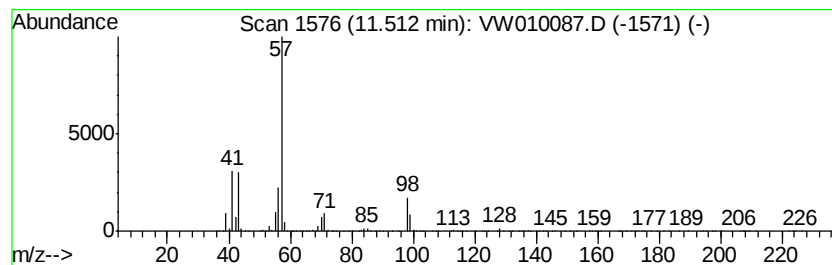
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	143.33 ug/L	2997270	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	91
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4		Octane, 3-methyl-	128	C9H20	002216-33-3	80
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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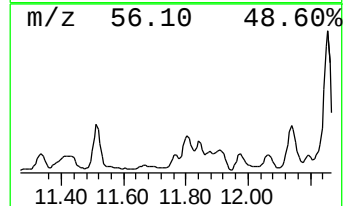
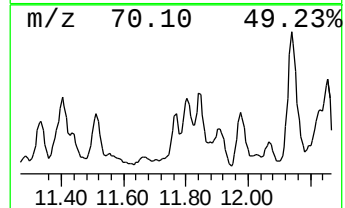
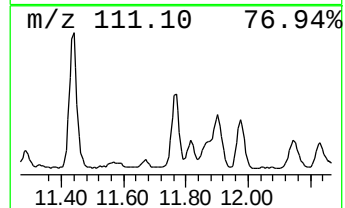
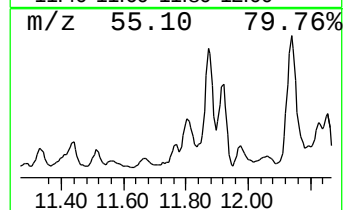
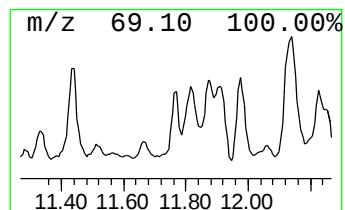
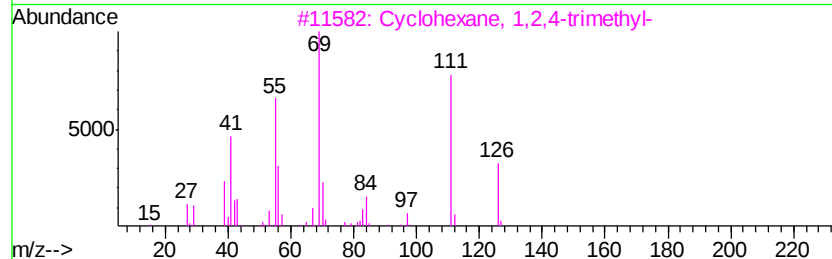
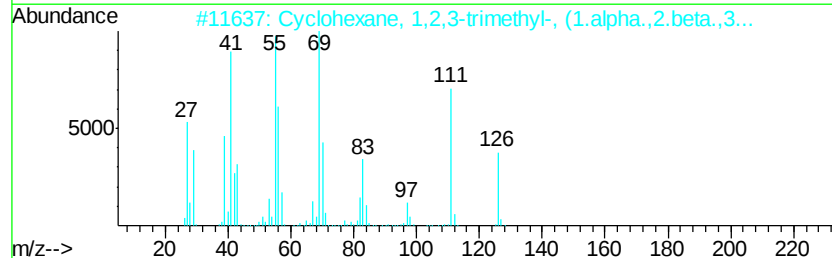
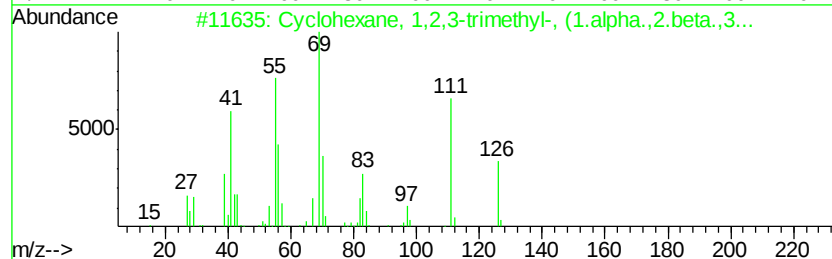
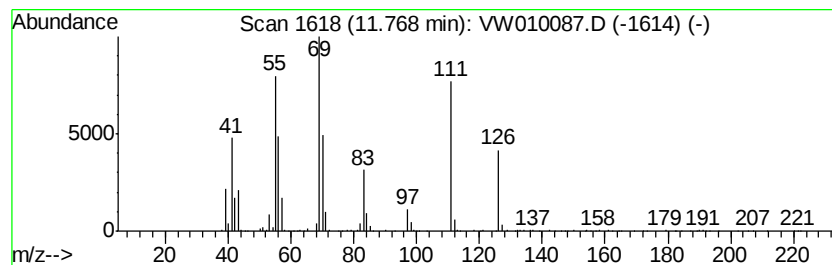
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic11.77 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	38.31 ug/L	801142	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	95
2		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

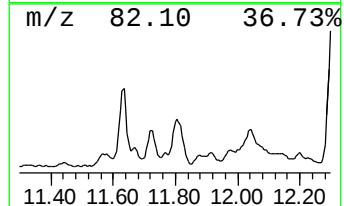
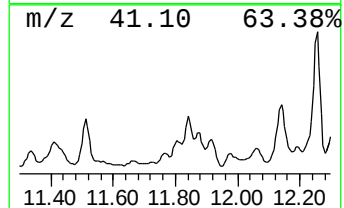
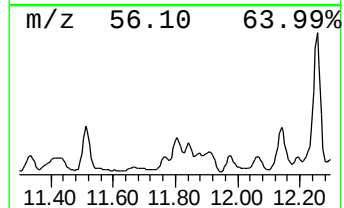
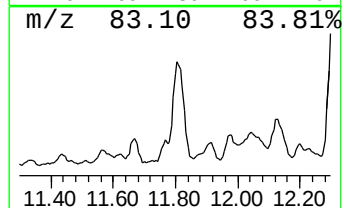
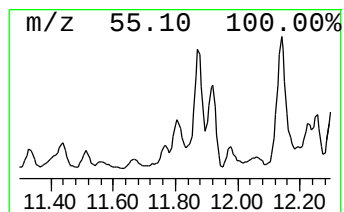
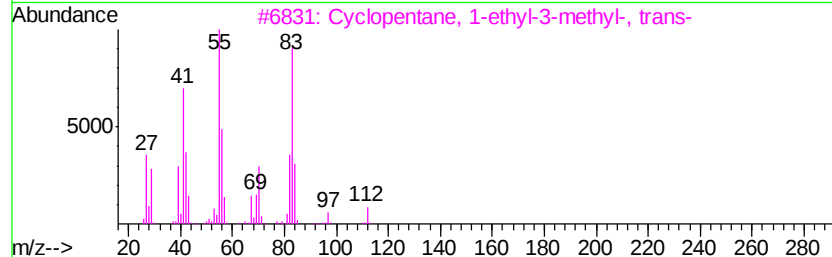
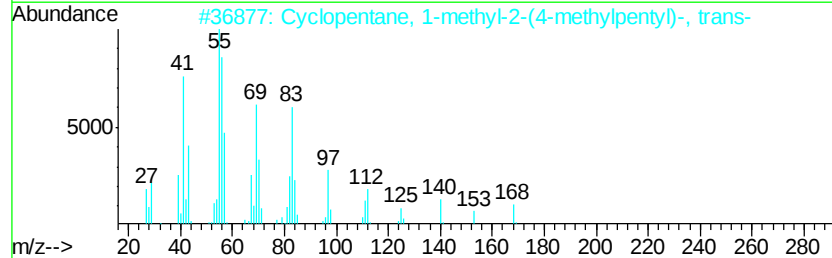
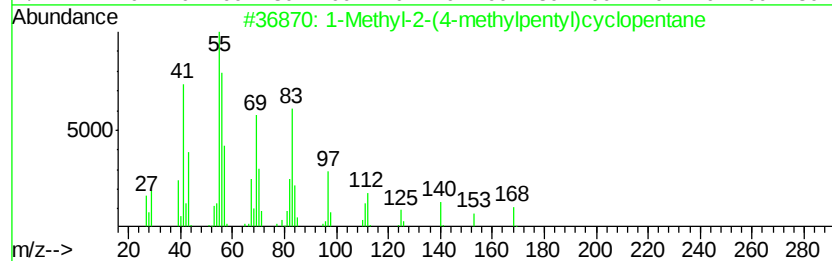
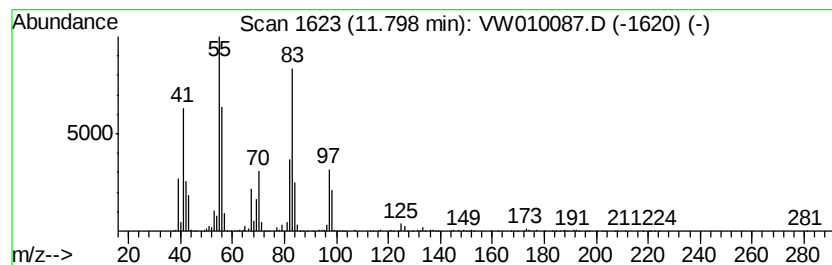
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	99.98 ug/L	2090810	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-2-(4-methylpentyl)cyclo...	168	C12H24	1000113-60-1	59
2		Cyclopentane, 1-methyl-2-(4-meth...	168	C12H24	066553-50-2	59
3		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	53
4		Cyclotetradecane	196	C14H28	000295-17-0	53
5		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

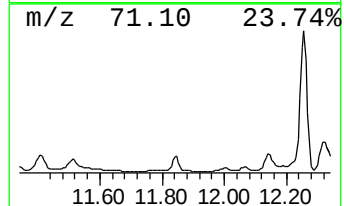
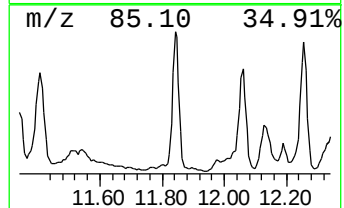
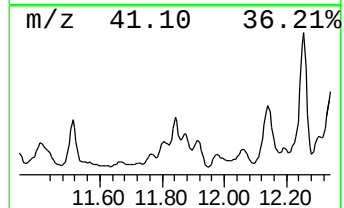
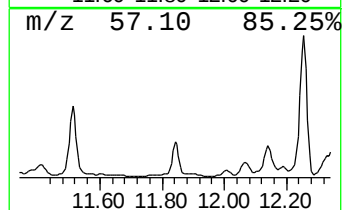
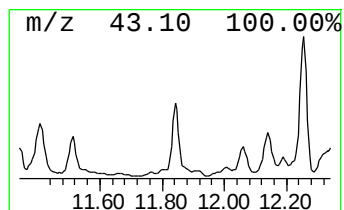
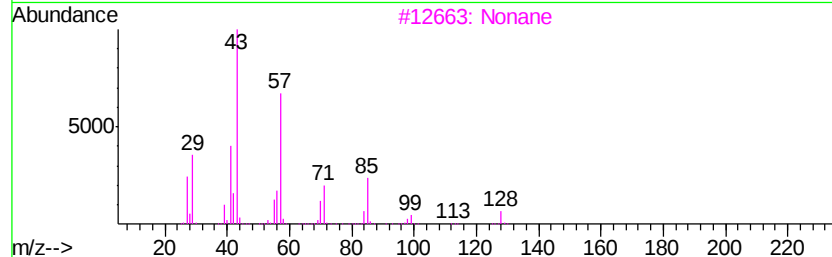
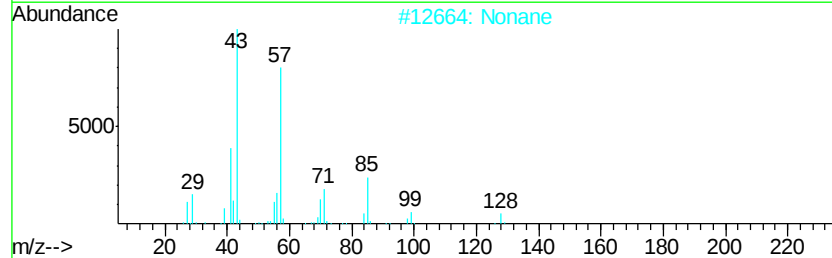
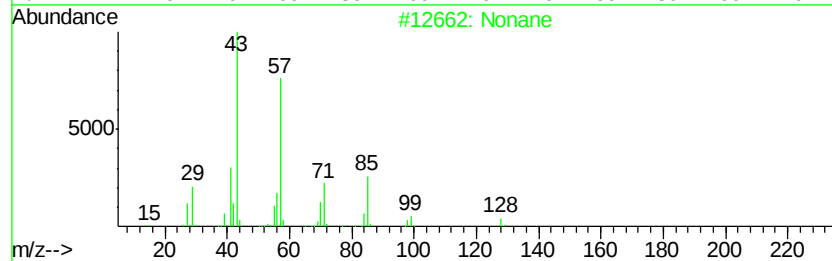
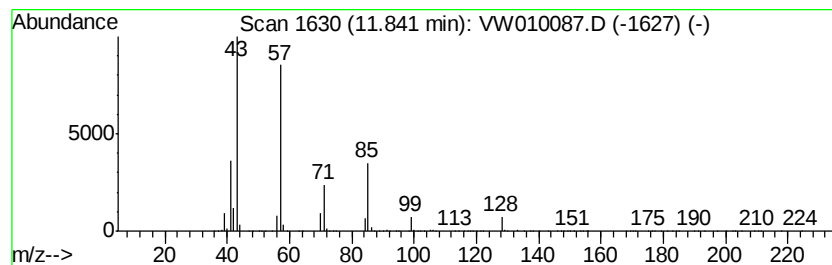
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	141.50 ug/L	2958920	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	90
2			Nonane	128	C9H20	000111-84-2	86
3			Nonane	128	C9H20	000111-84-2	72
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

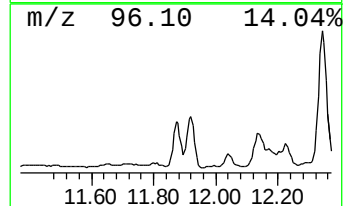
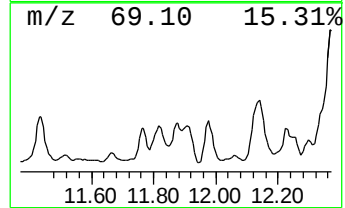
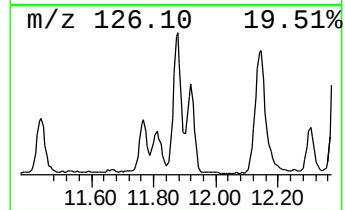
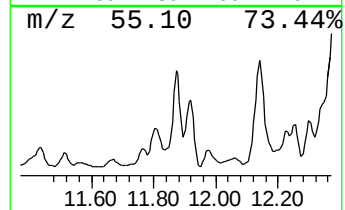
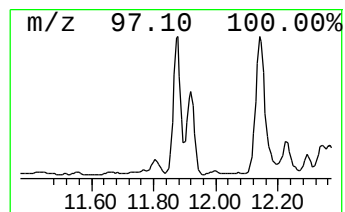
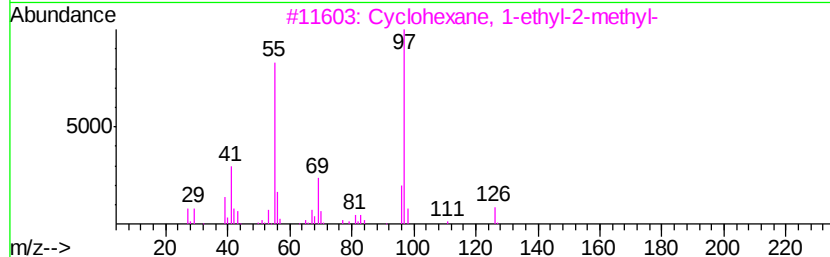
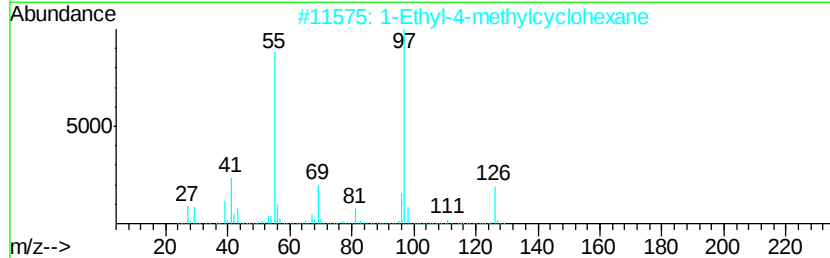
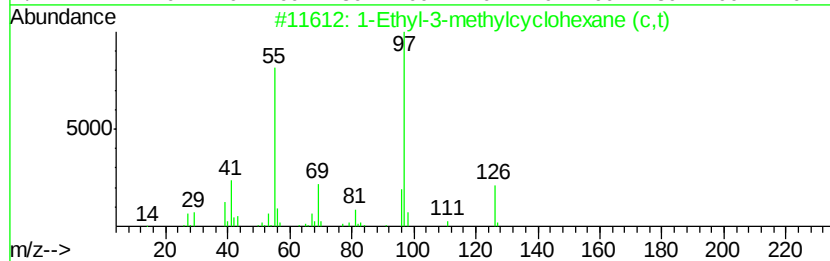
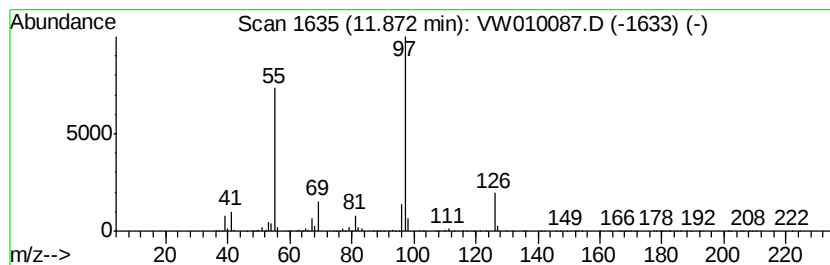
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Cyclic11.87 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	136.04 ug/L	2844920	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	90
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
5		Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

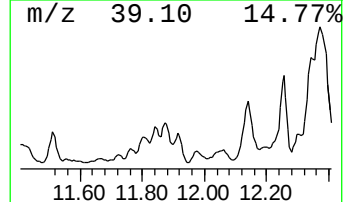
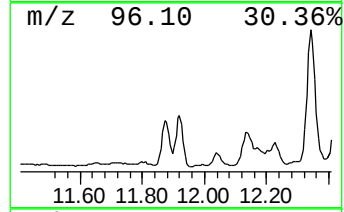
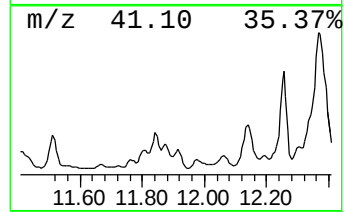
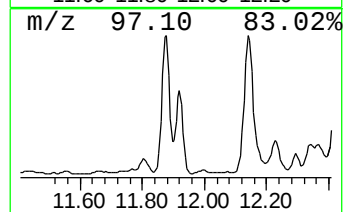
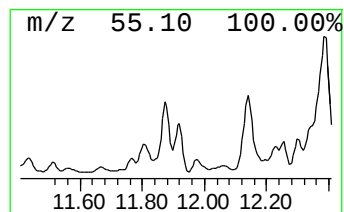
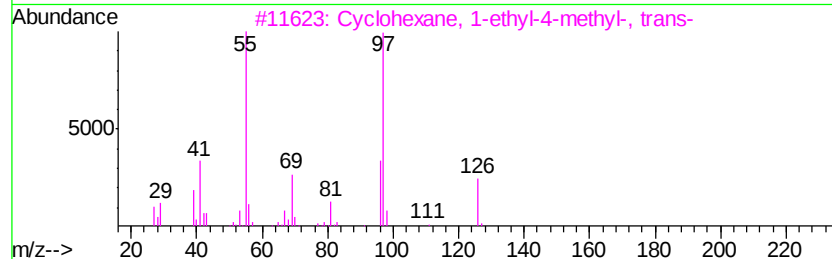
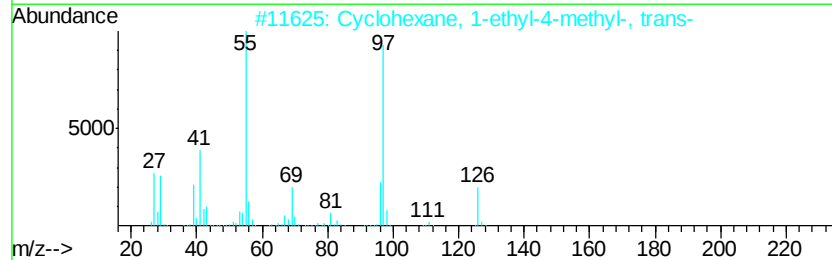
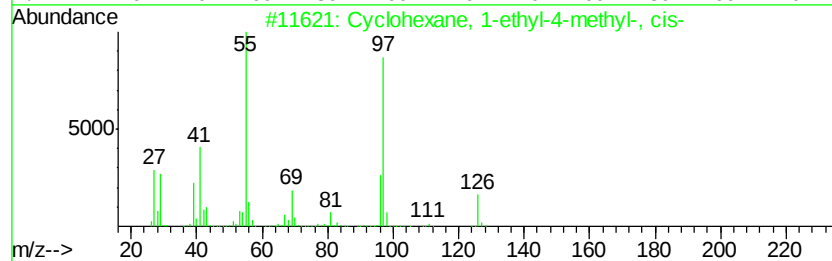
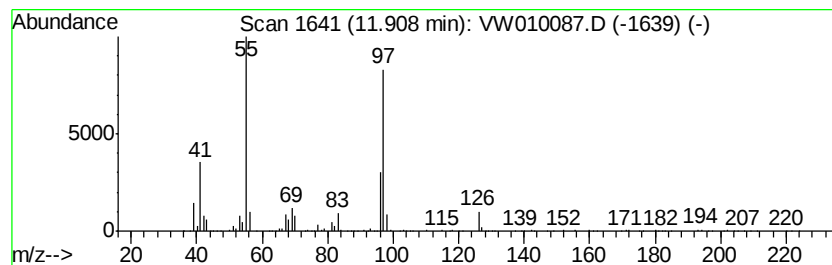
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic11.91 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	122.85 ug/L	2569080	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
5		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

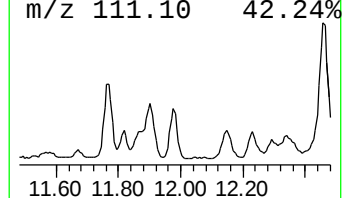
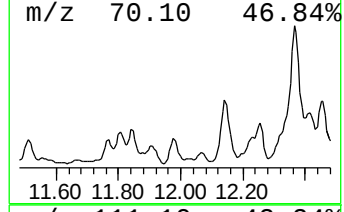
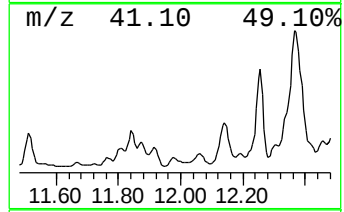
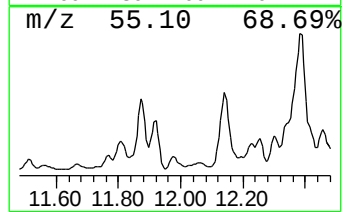
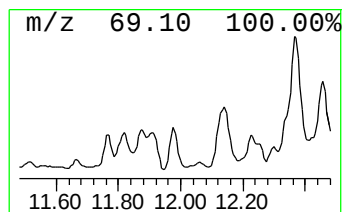
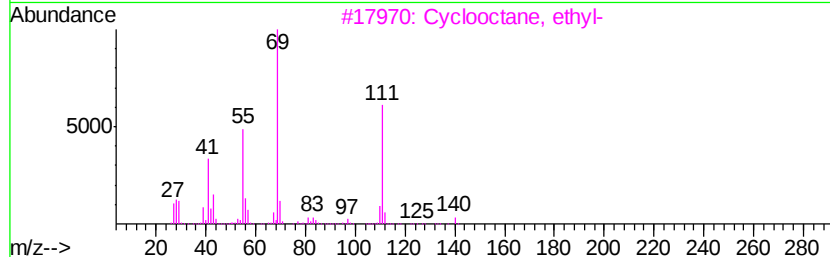
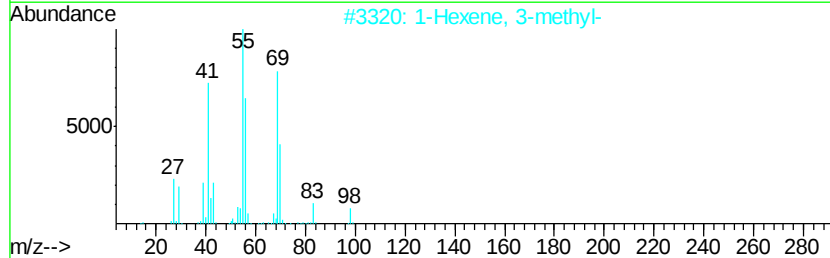
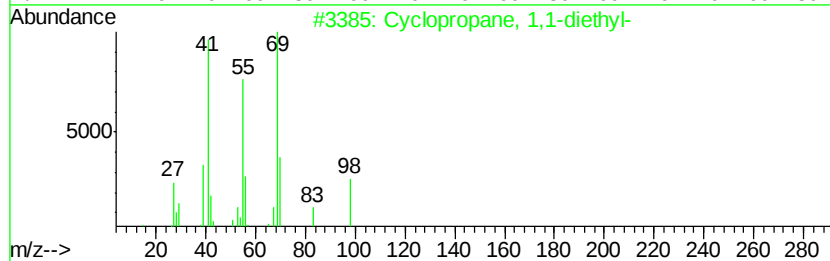
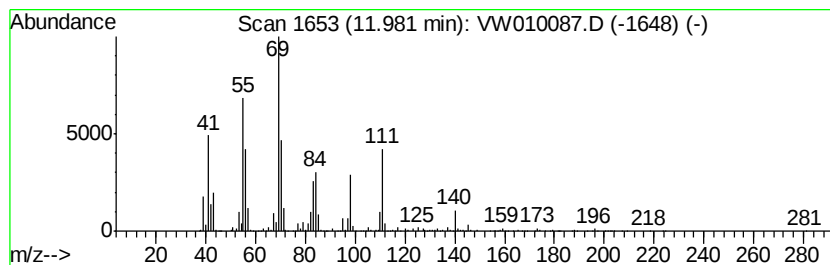
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic11.98 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	86.76 ug/L	1814380	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	49
2		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
3		Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
4		3-Cyclopropylcarboxy-6-ethyl-octane	226	C14H26O2	1000245-65-5	43
5		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

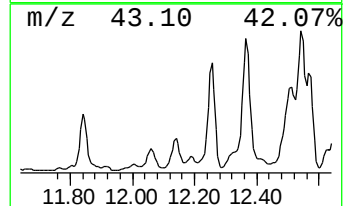
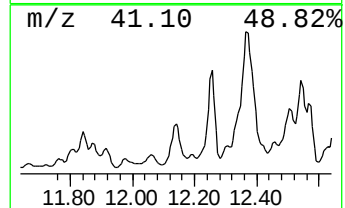
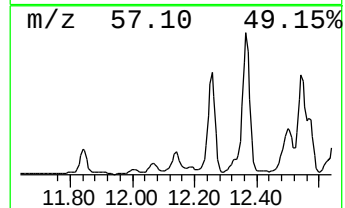
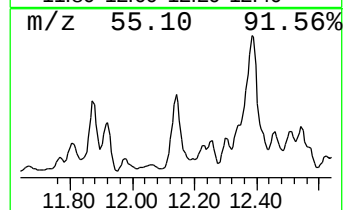
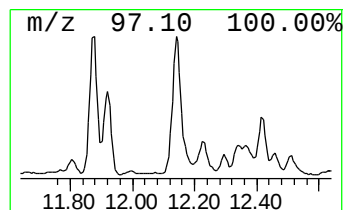
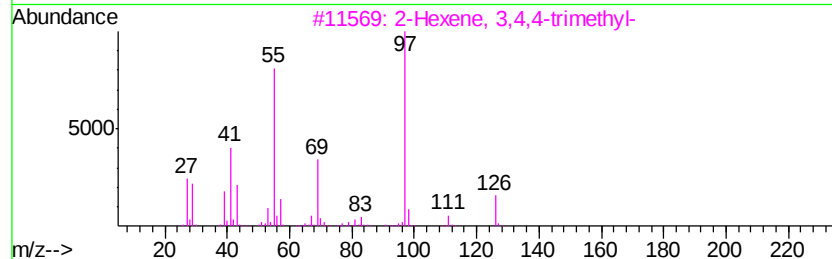
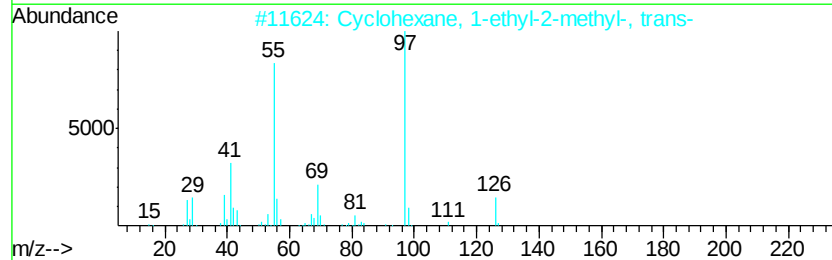
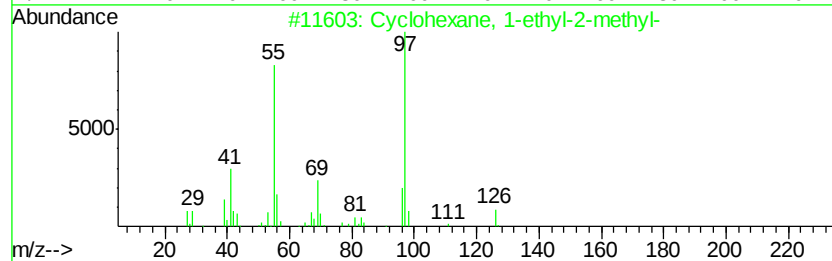
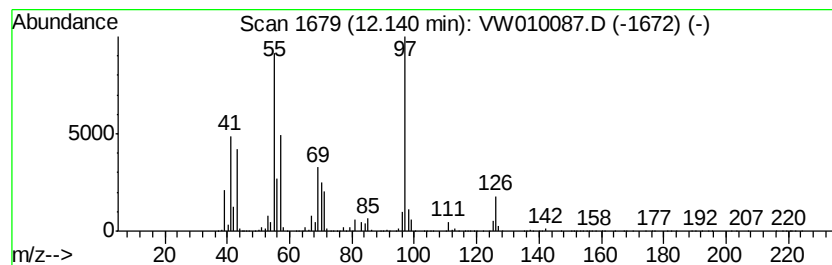
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic12.14 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	338.83 ug/L	7085550	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
3		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	58
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

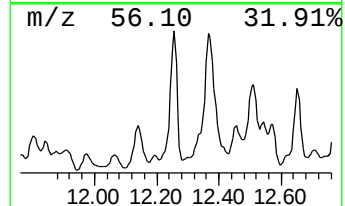
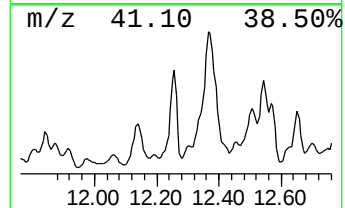
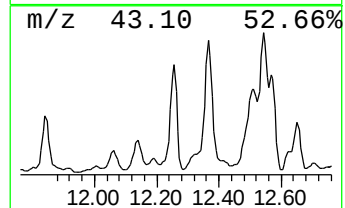
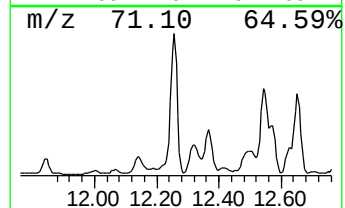
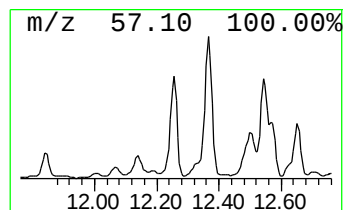
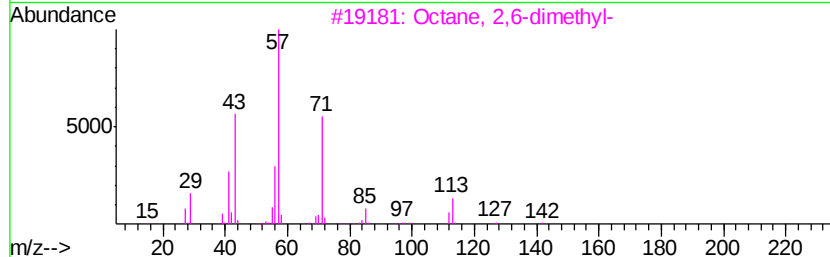
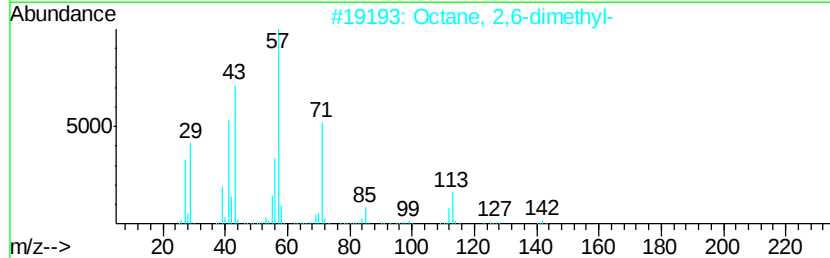
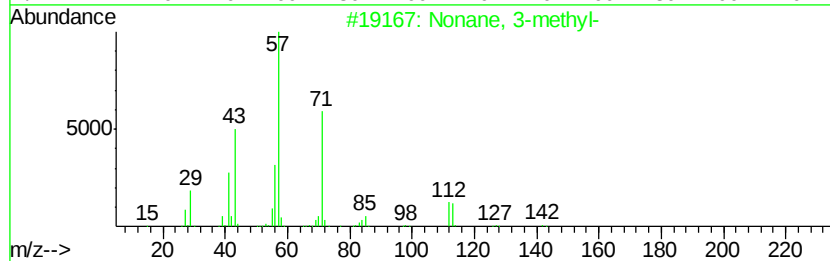
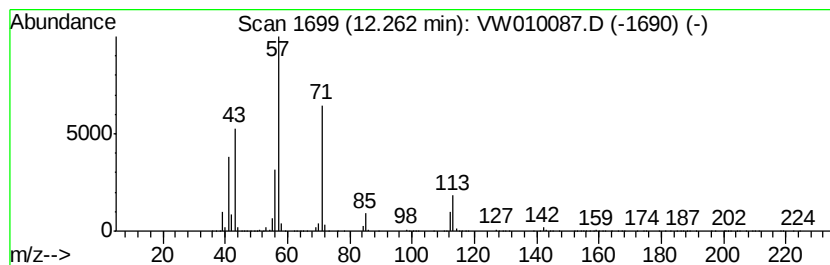
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	415.81 ug/L	8695340	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

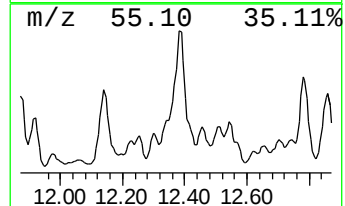
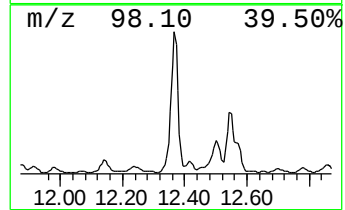
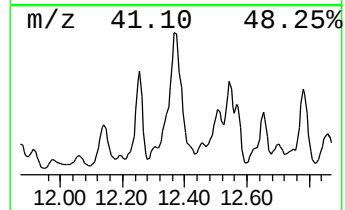
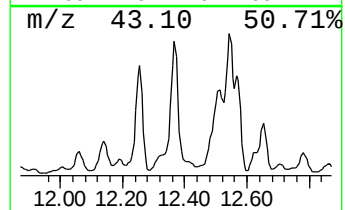
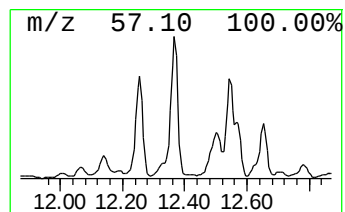
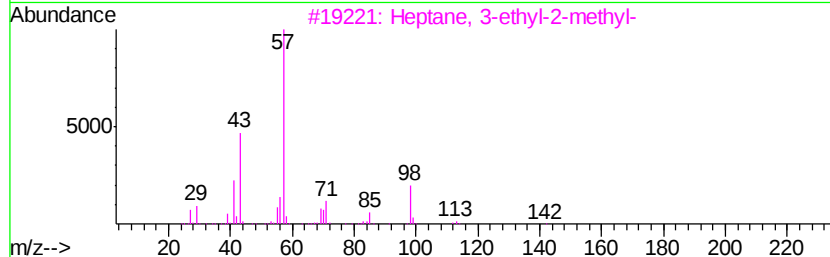
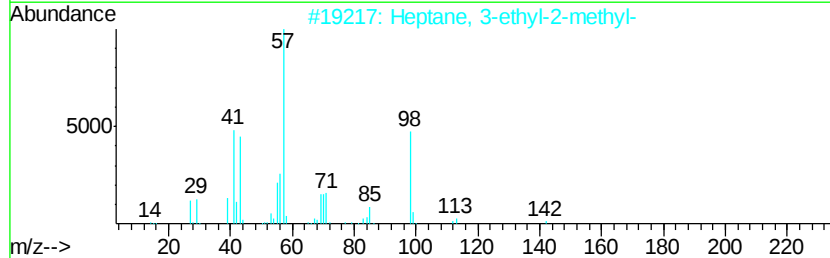
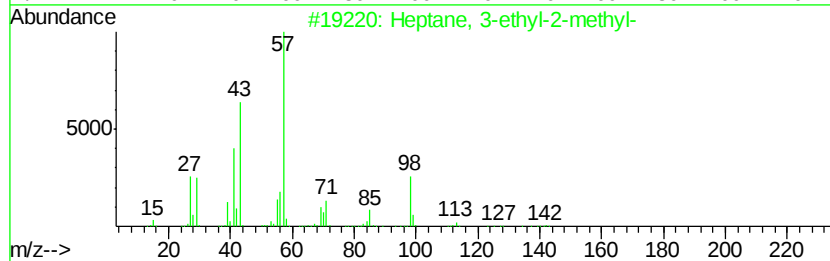
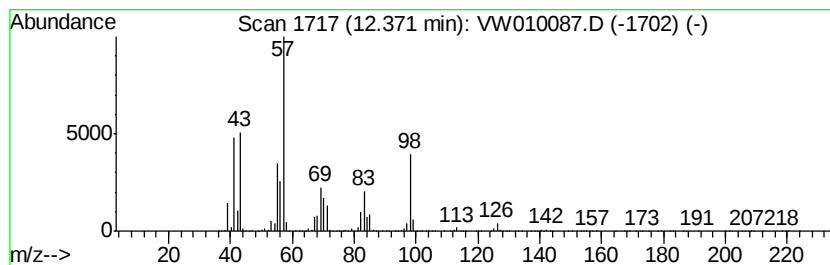
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	1454.94 ug/L	30425500	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	86
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	74
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
5		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

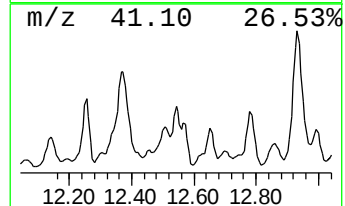
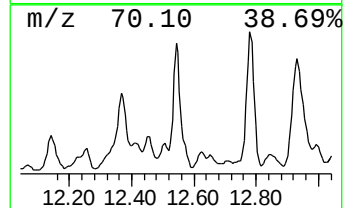
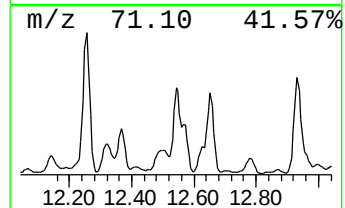
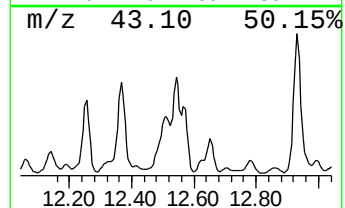
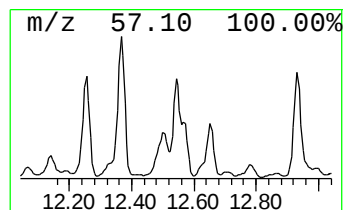
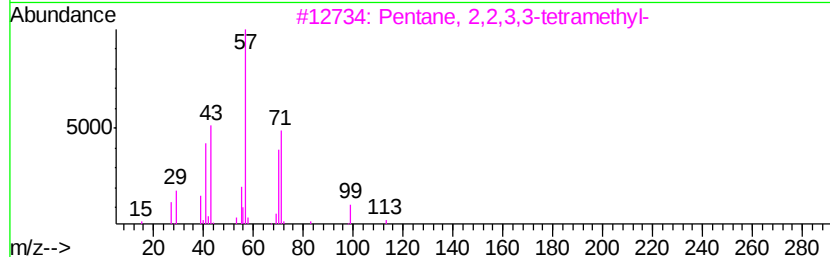
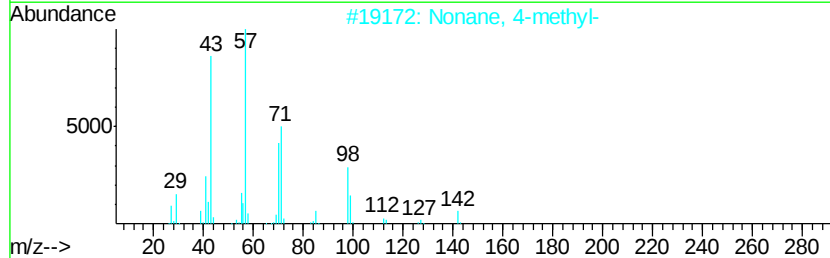
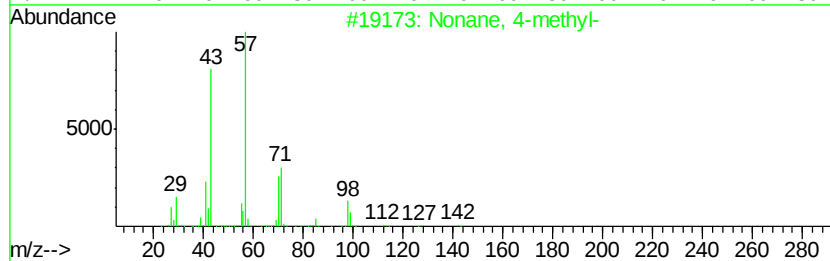
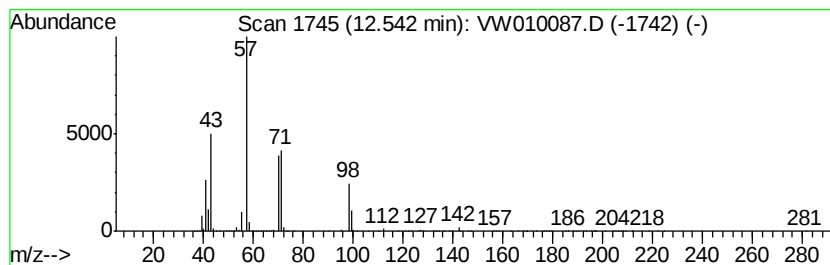
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	172.65 ug/L	3610330	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	83
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	78
3		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
4		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

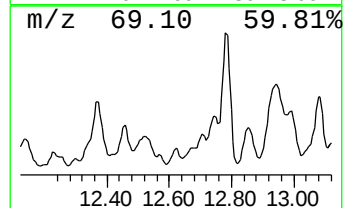
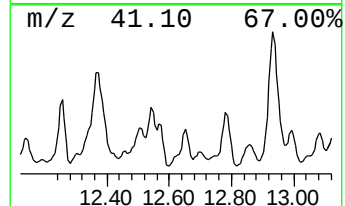
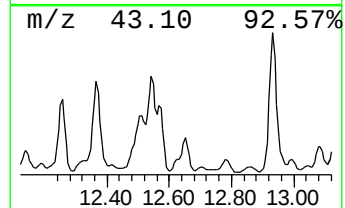
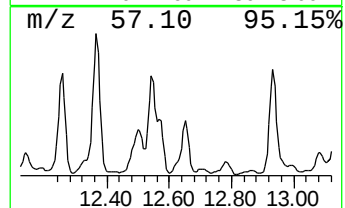
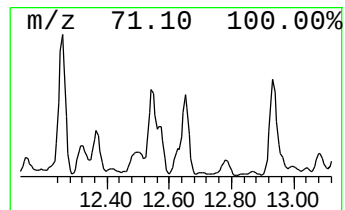
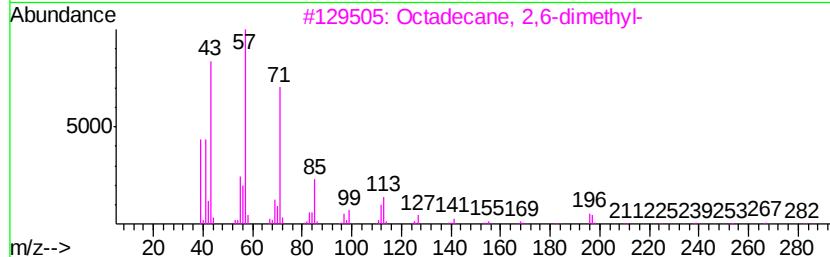
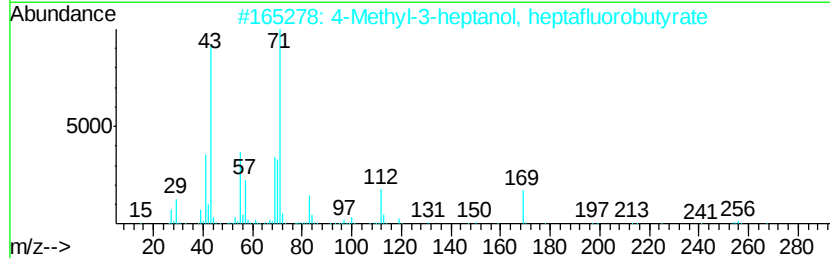
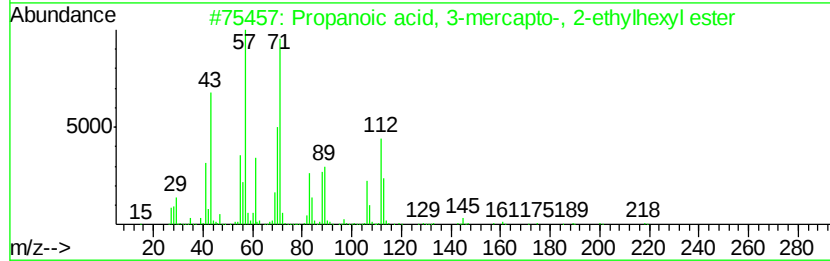
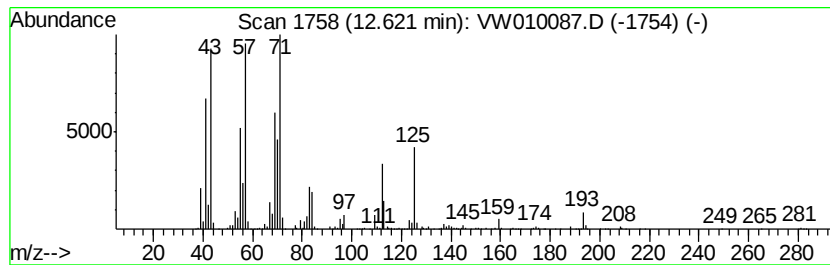
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Quant Title : VOC Analysis

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

Peak Number 20 Propanoic acid, 3-mercapto-... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	9.08 ug/L	1917660	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, 3-mercapto-, 2-e...	218	C11H22O2S	050448-95-8	72
2		4-Methyl-3-heptanol, heptafluoro...	326	C12H17F7O2	1000365-51-5	50
3		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	38
4		2-Ethyl-1-hexanol, heptafluorobu...	326	C12H17F7O2	1000365-16-0	35
5		1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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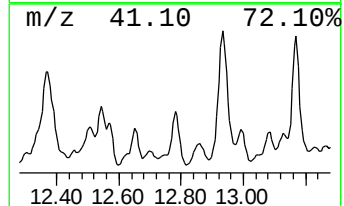
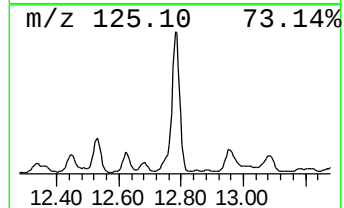
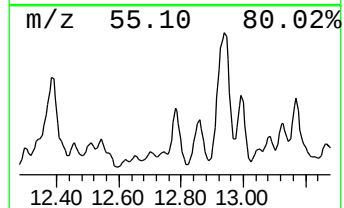
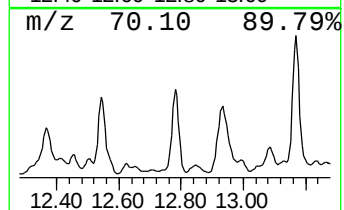
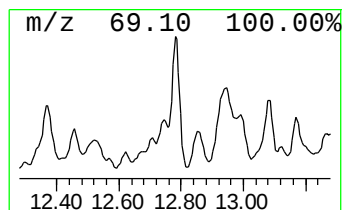
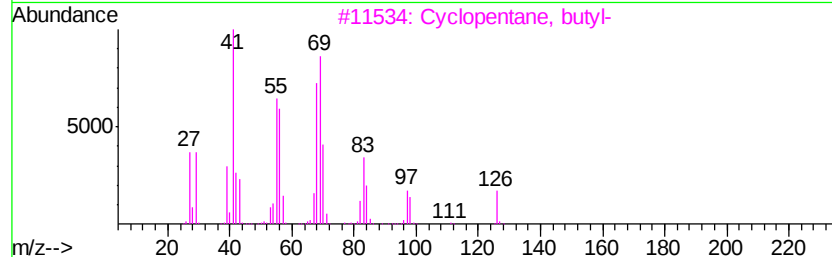
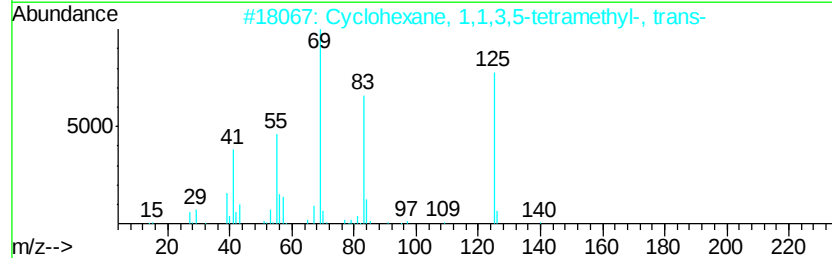
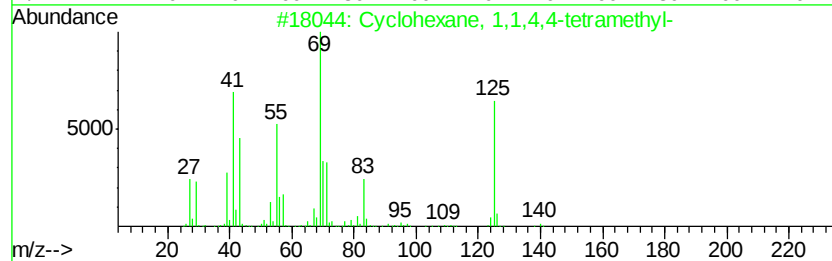
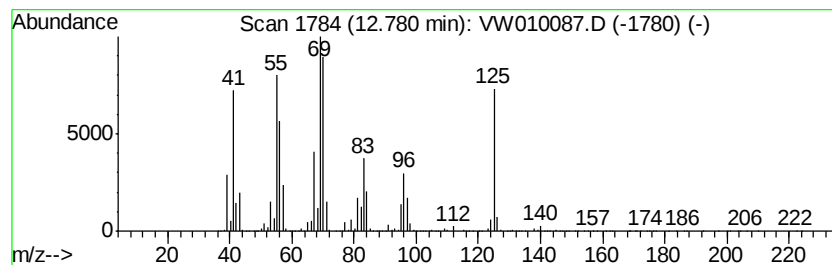
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic12.78 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	50.41 ug/L	10643800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	46
3		Cyclopentane, butyl-	126	C9H18	002040-95-1	45
4		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	42
5		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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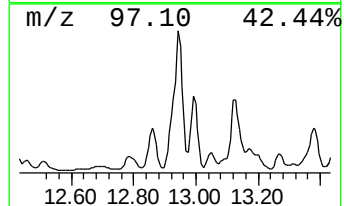
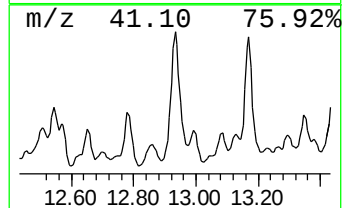
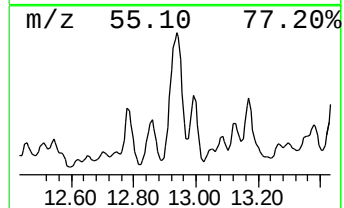
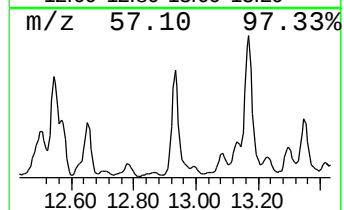
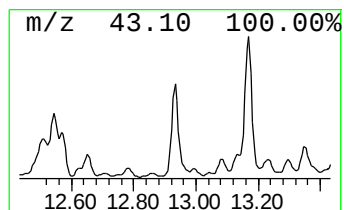
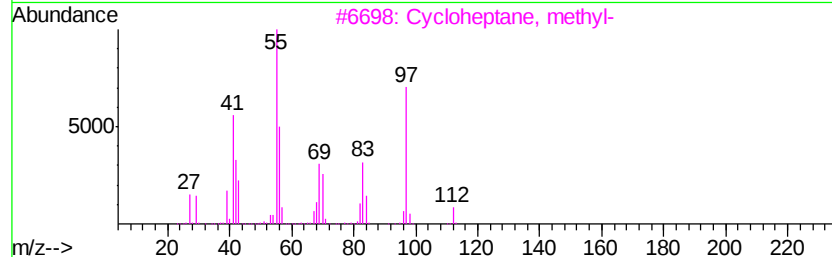
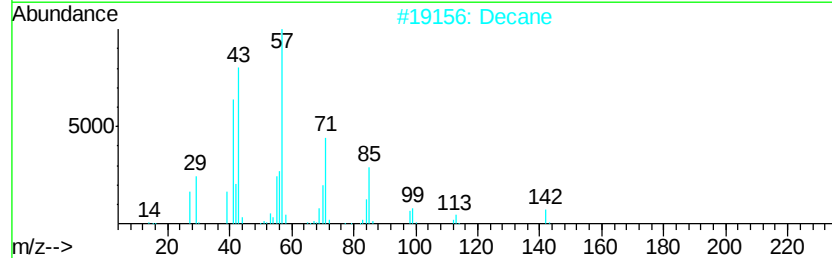
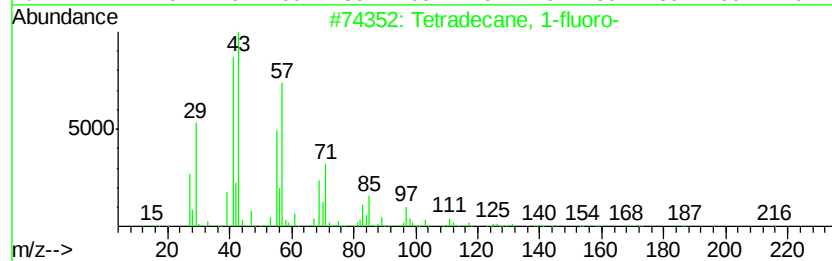
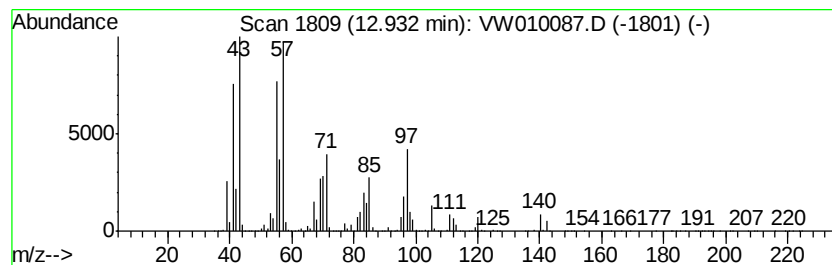
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Quant Title : VOC Analysis

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

Peak Number 23 Tetradecane, 1-fluoro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	138.42 ug/L	29227100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	68
2		Decane	142	C10H22	000124-18-5	60
3		Cycloheptane, methyl-	112	C8H16	004126-78-7	50
4		Cyclodecane	140	C10H20	000293-96-9	46
5		Decane	142	C10H22	000124-18-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

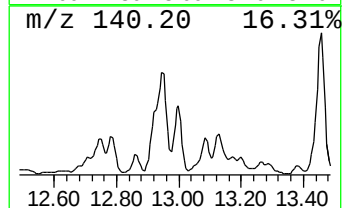
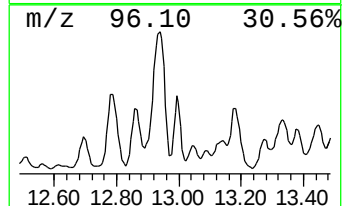
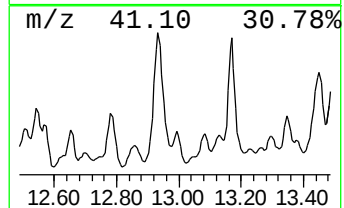
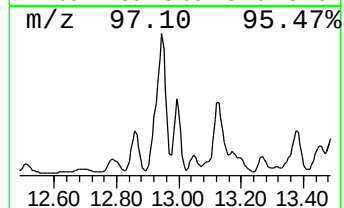
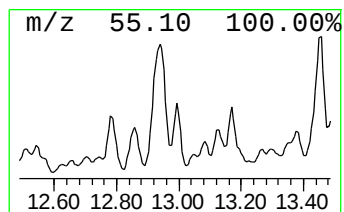
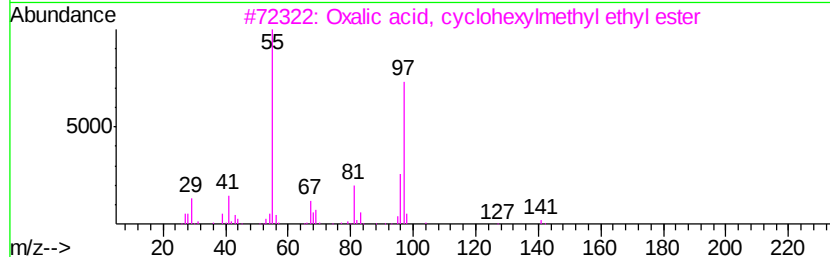
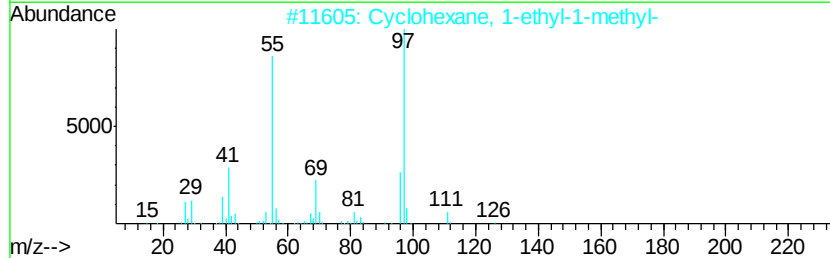
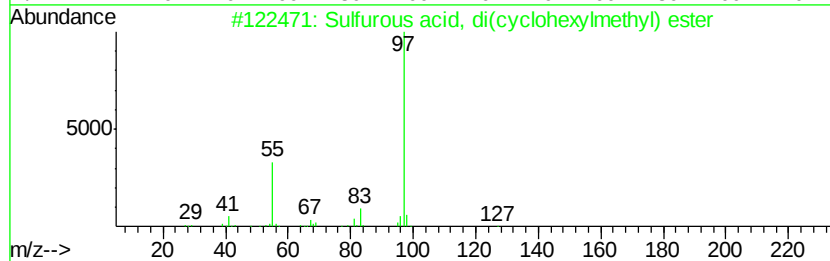
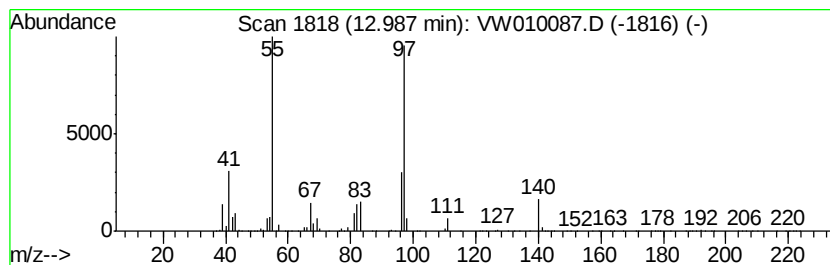
Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 24 Sulfurous acid, di(cyclohex... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	26.04 ug/L	5498980	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfurous acid, di(cvclohexvlmet...	274 C14H26O3S	1000309-22-7 64
2		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 59
3		Oxalic acid, cvclohexvlmethvl et...	214 C11H18O4	1000309-68-0 59
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	004926-78-7 59
5		Oxalic acid, butyl cyclohexylmet...	242 C13H22O4	1000309-68-2 59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

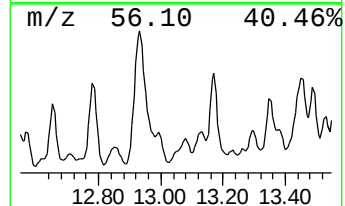
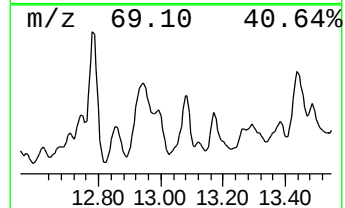
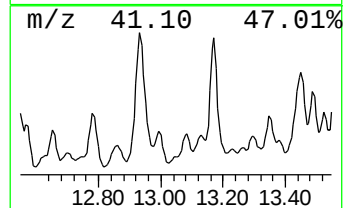
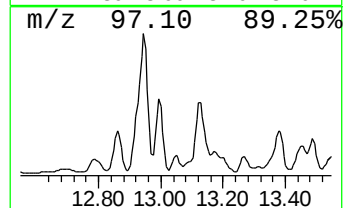
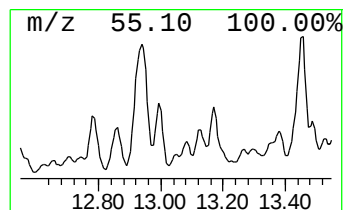
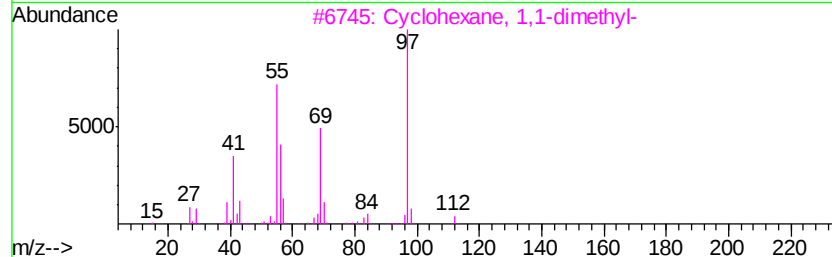
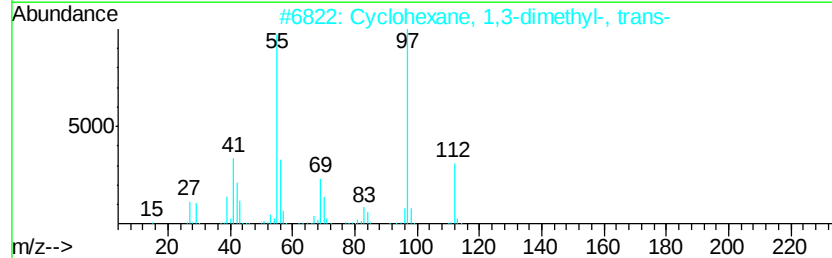
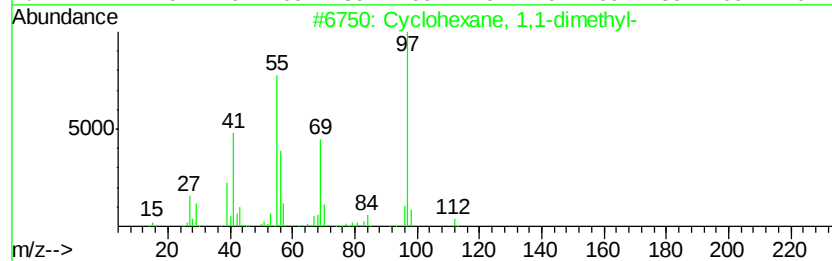
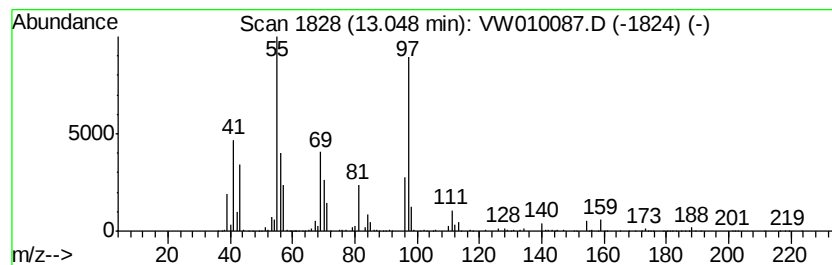
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic13.05 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.39 ug/L	926989	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
5			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

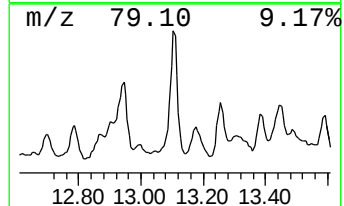
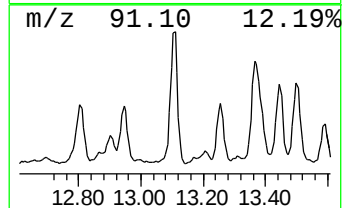
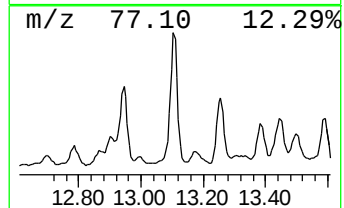
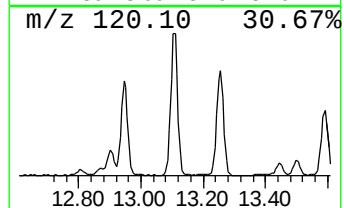
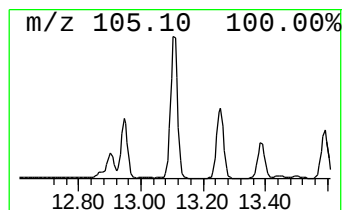
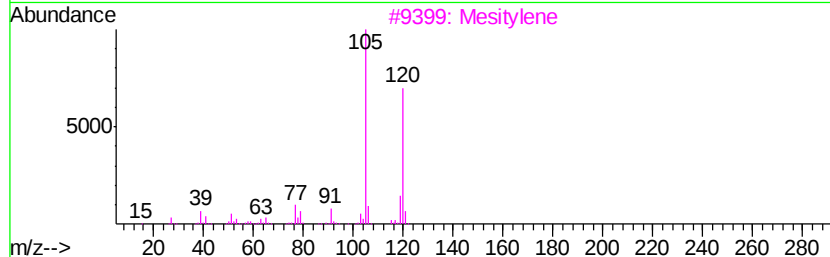
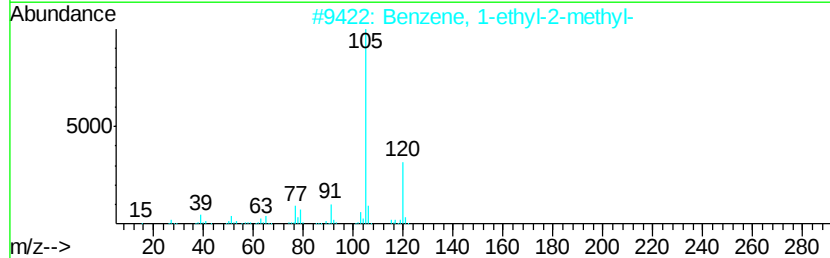
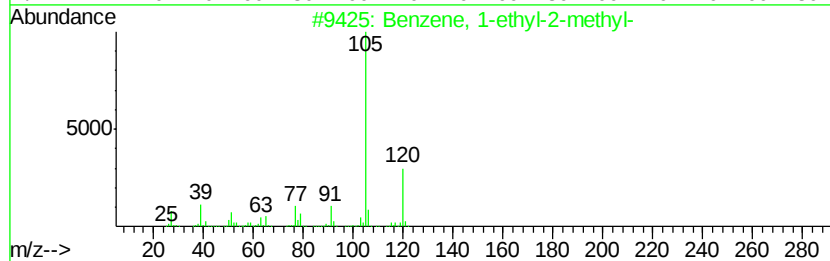
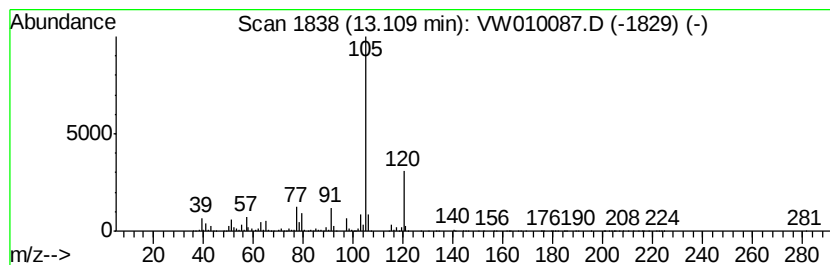
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1-ethyl-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	67.13 ug/L	14173300	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-2-methyl-	120	C9H12	000611-14-3	94
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

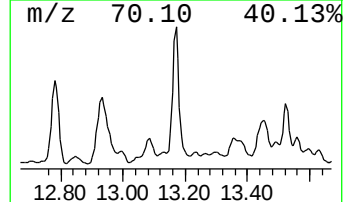
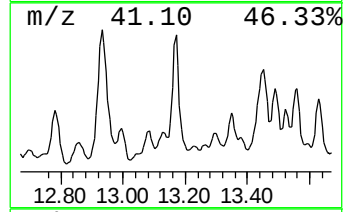
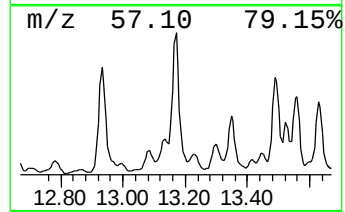
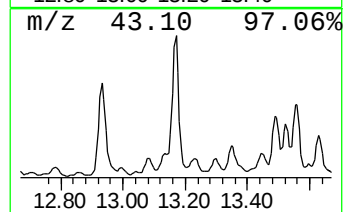
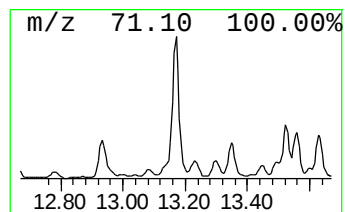
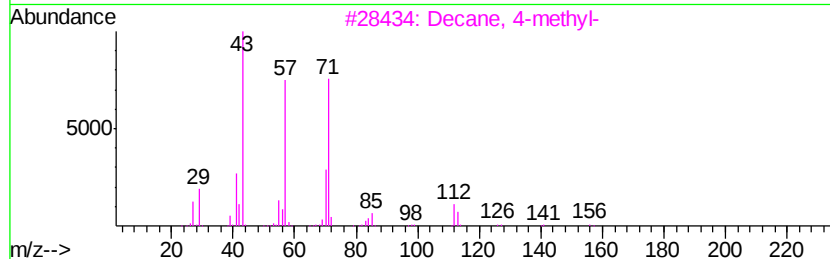
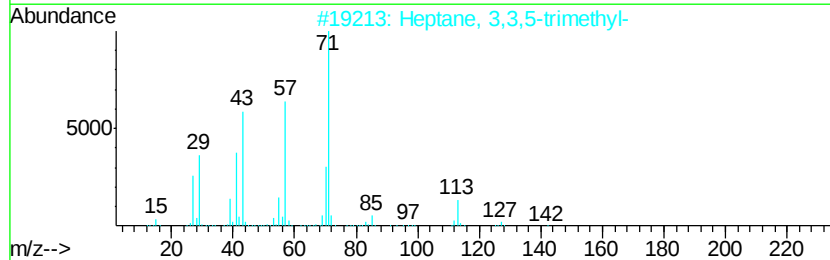
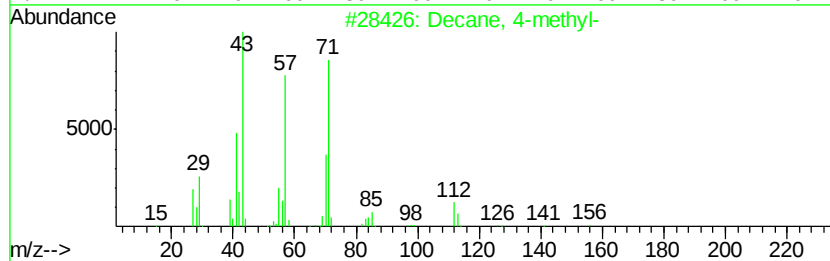
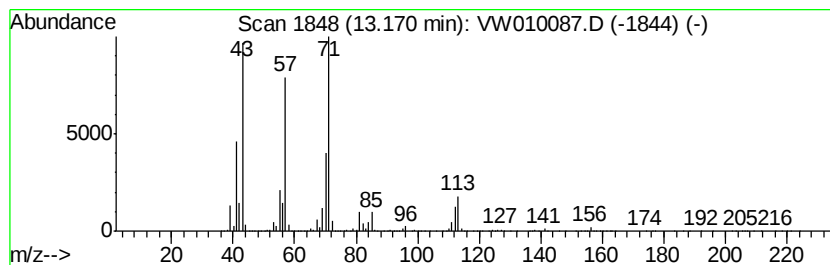
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	89.93 ug/L	18988900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
3		Decane, 4-methyl-	156	C11H24	002847-72-5	72
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5		Undecane, 4-methyl-	170	C12H26	002980-69-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

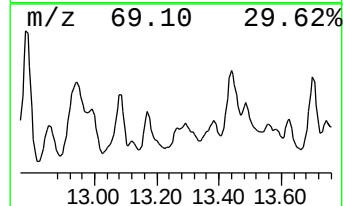
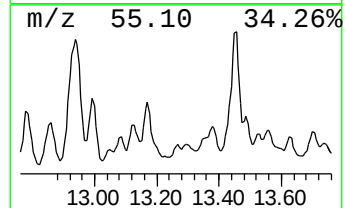
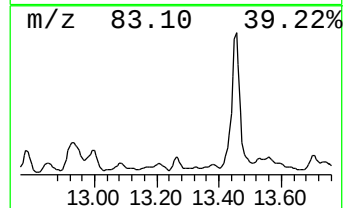
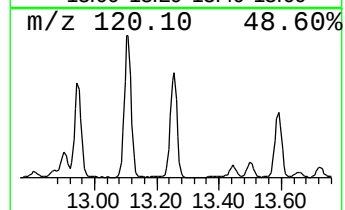
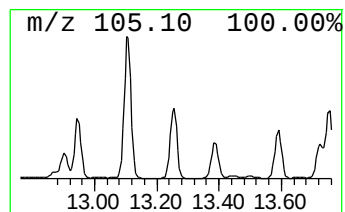
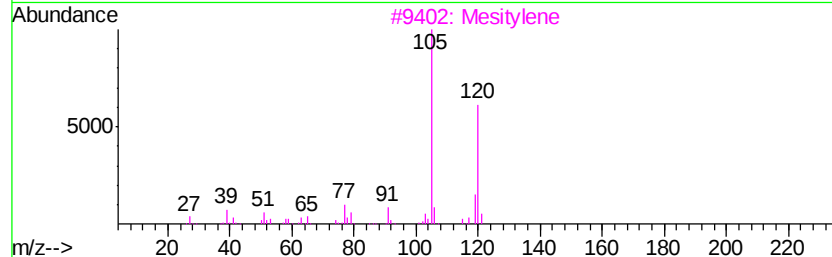
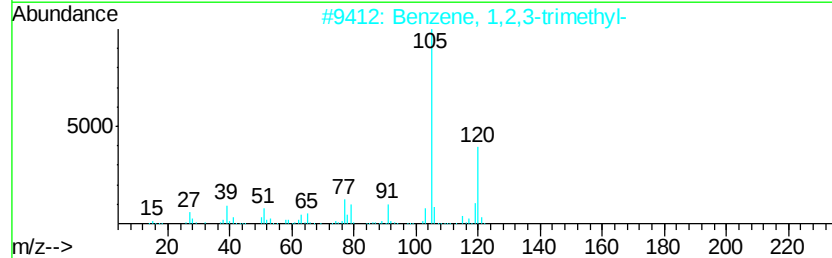
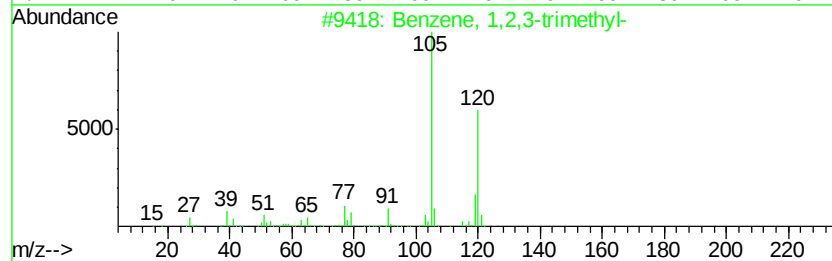
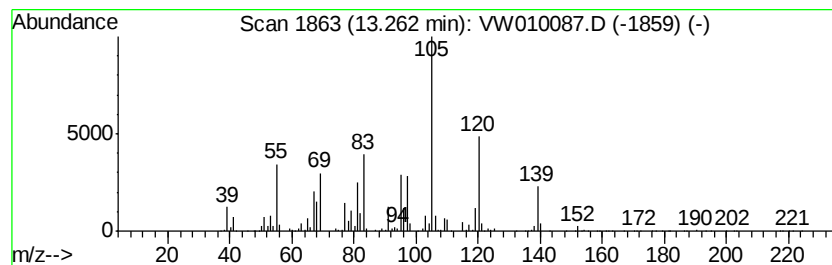
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,3-trimethyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	10.12 ug/L	2136540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3		Mesitylene	120	C9H12	000108-67-8	93
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5		Mesitylene	120	C9H12	000108-67-8	92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

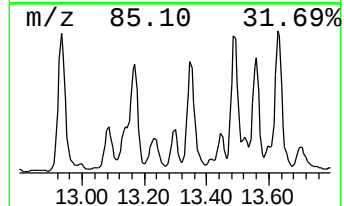
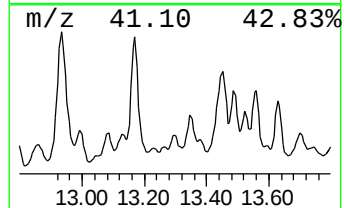
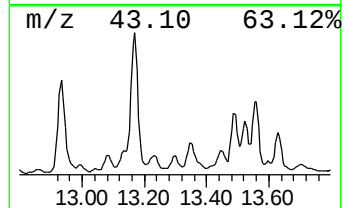
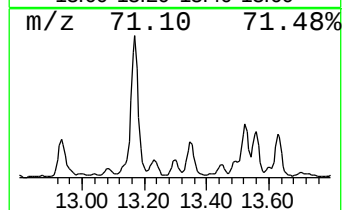
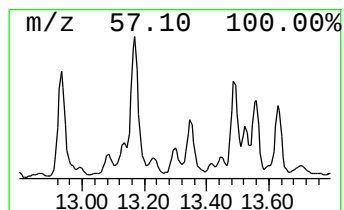
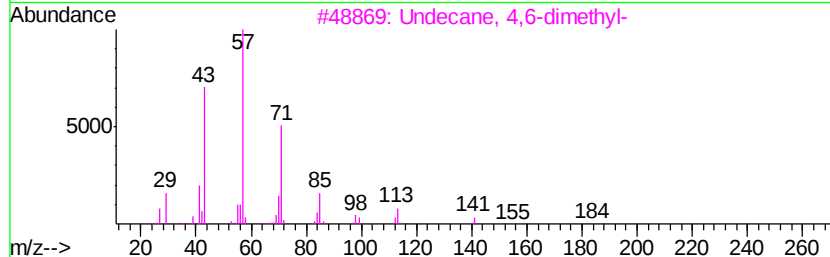
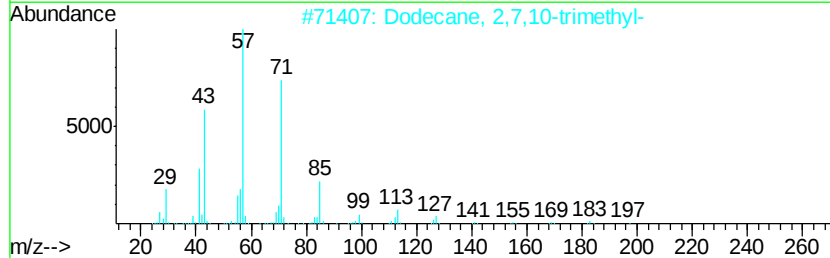
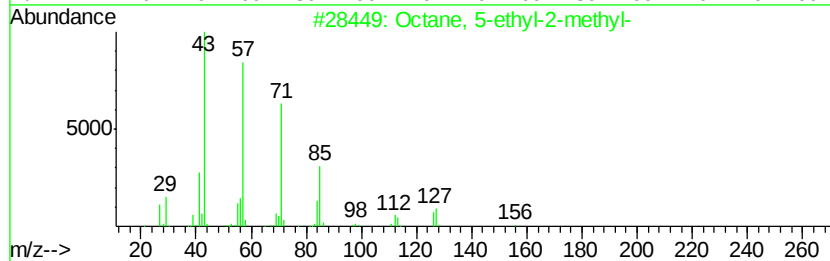
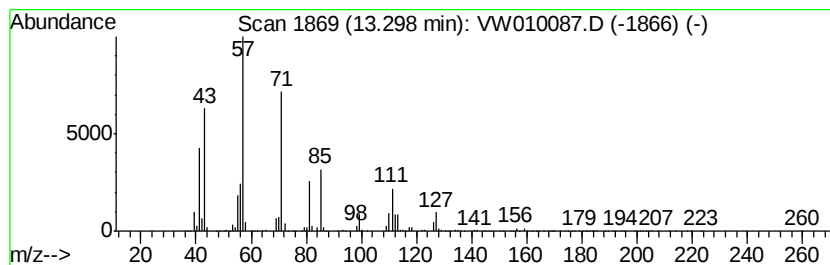
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	6.94 ug/L	1464490	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	62
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
3			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	49
4			Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	47
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

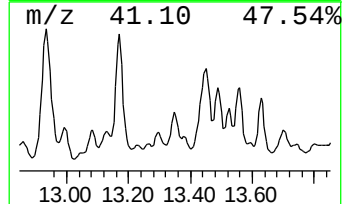
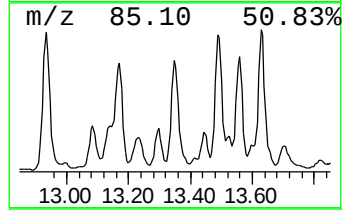
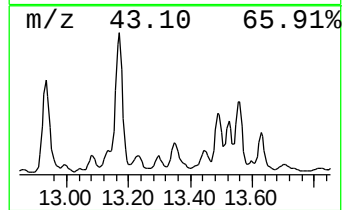
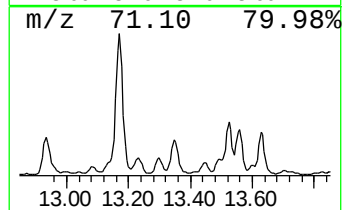
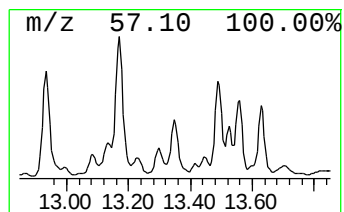
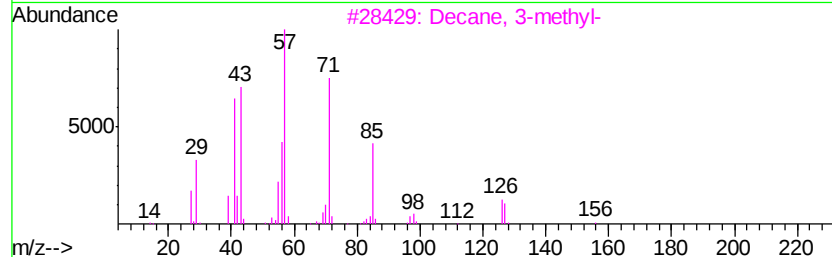
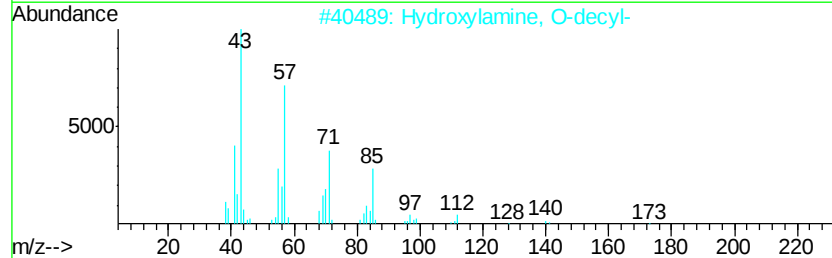
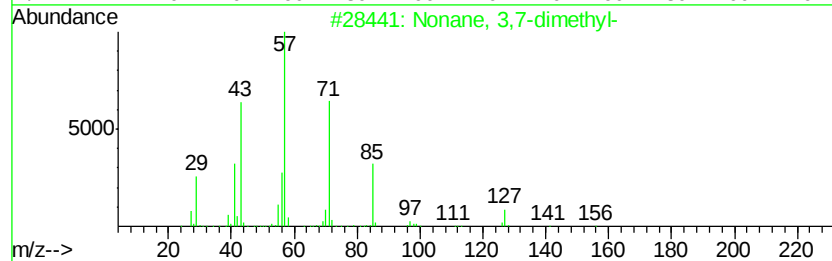
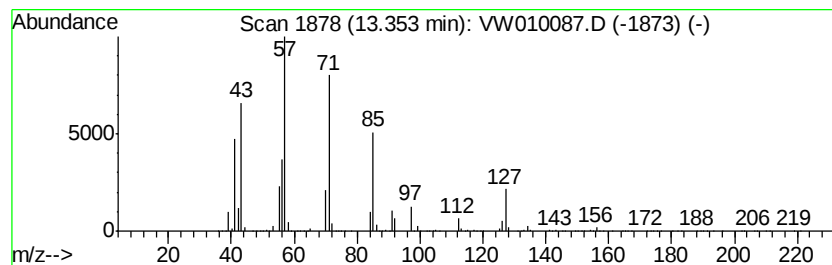
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	20.03 ug/L	4229290	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	91
2		Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	72
3		Decane, 3-methyl-	156	C11H24	013151-34-3	68
4		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64
5		Undecane, 3-methyl-	170	C12H26	001002-43-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

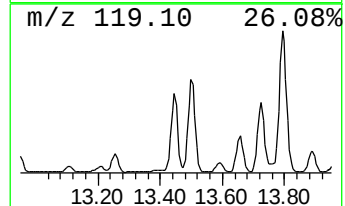
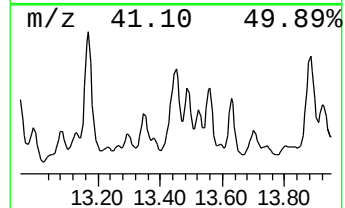
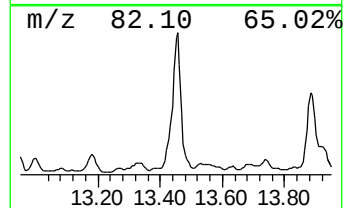
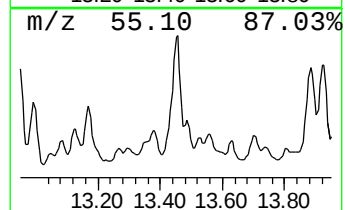
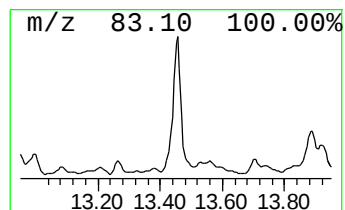
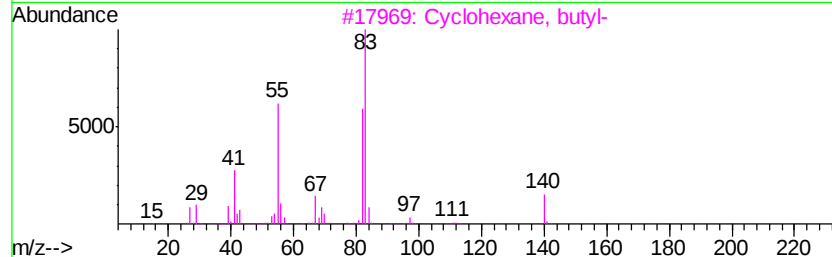
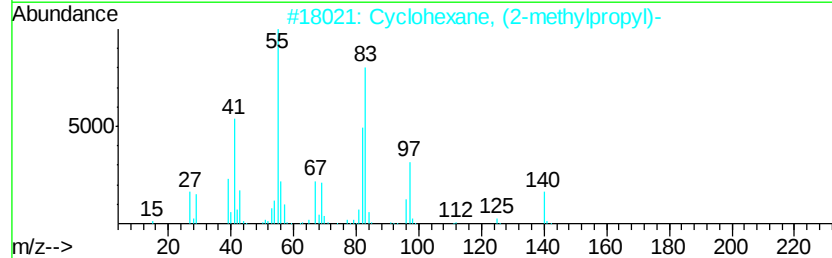
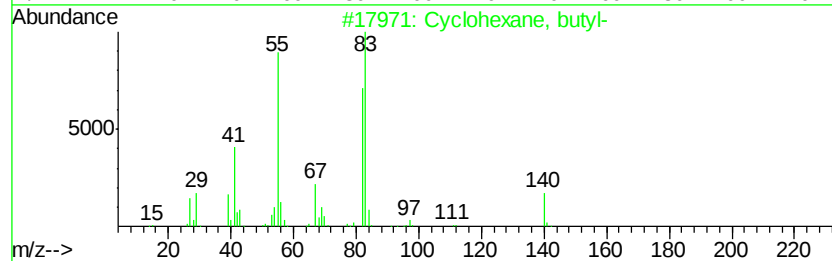
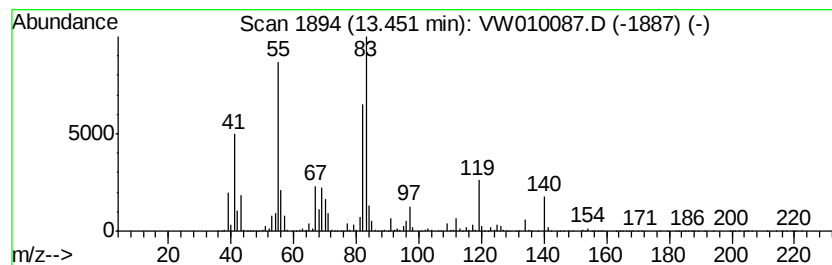
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic13.45 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	90.79 ug/L	19170400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

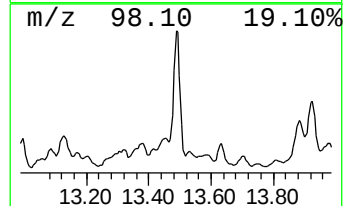
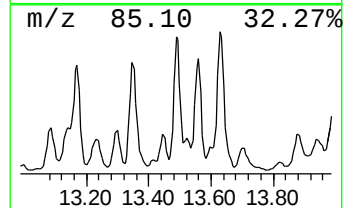
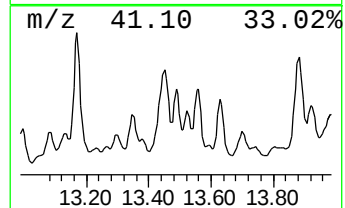
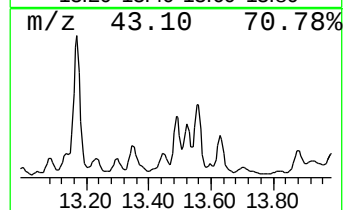
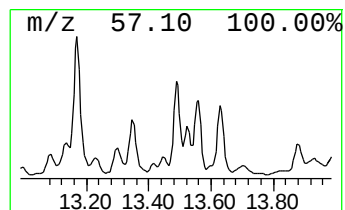
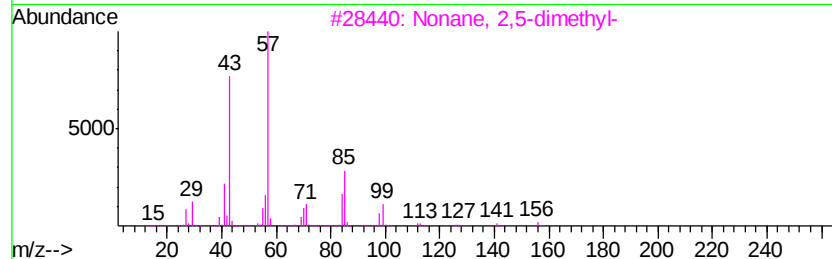
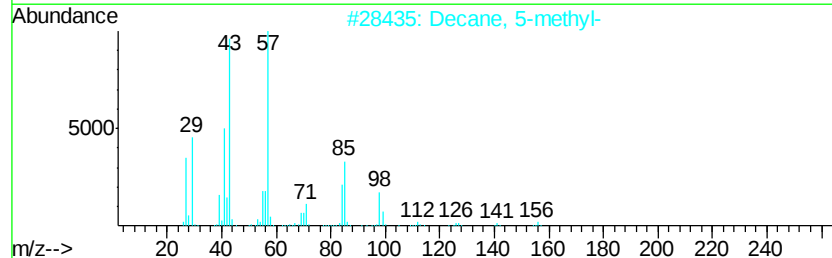
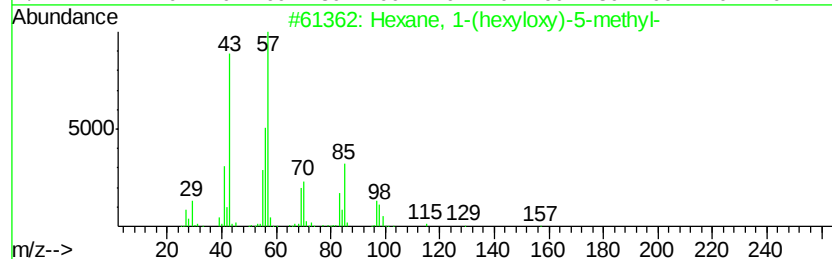
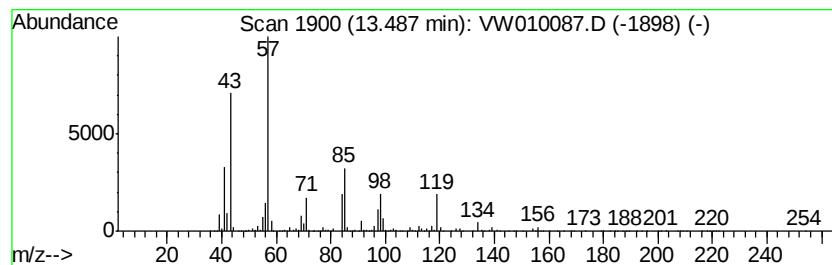
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Quant Title : VOC Analysis

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

Peak Number 32 Hexane, 1-(hexyloxy)-5-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	41.75 ug/L	8815140	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50
2		Decane, 5-methyl-	156	C11H24	013151-35-4	49
3		Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	49
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5		Heptane, 4-ethyl-	128	C9H20	002216-32-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

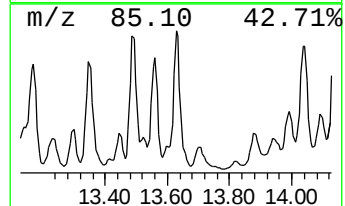
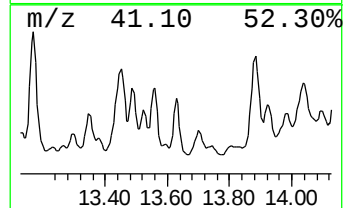
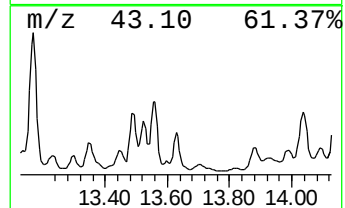
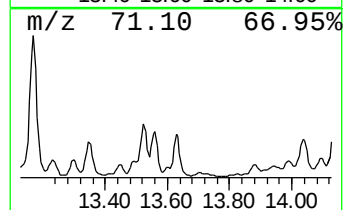
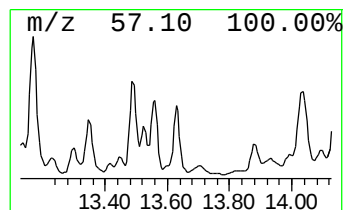
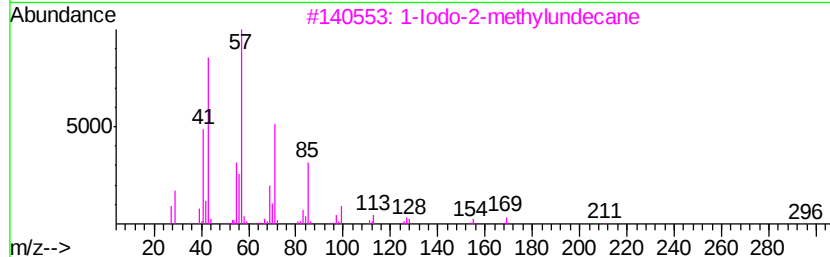
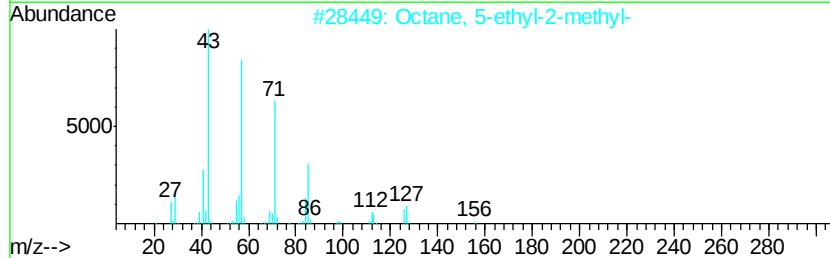
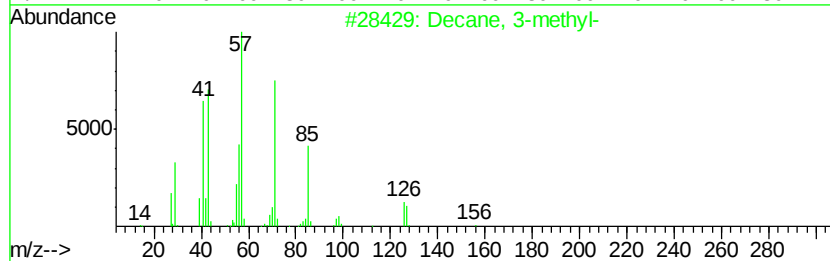
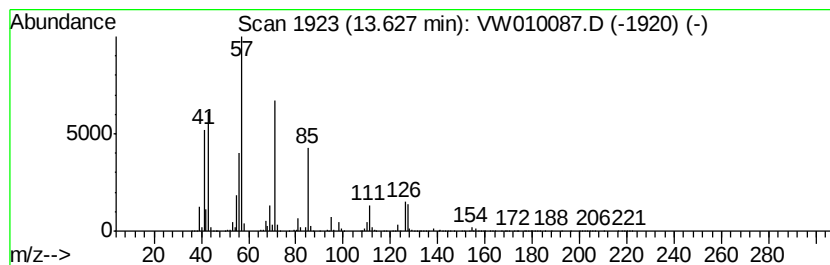
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	29.44 ug/L	6215490	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	90
2		Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	59
3		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	49
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

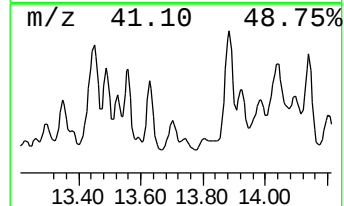
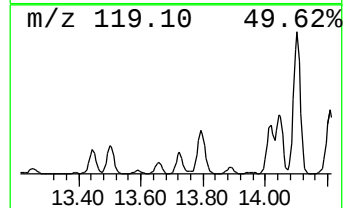
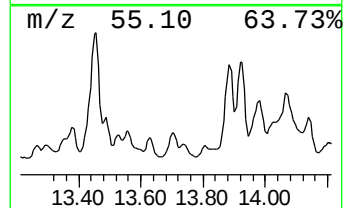
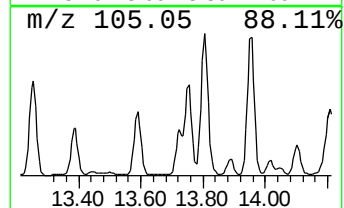
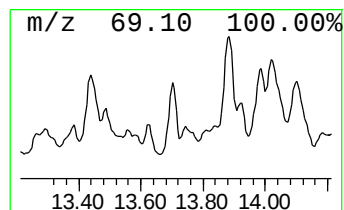
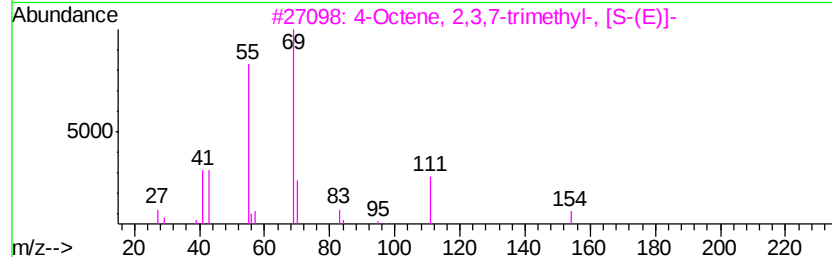
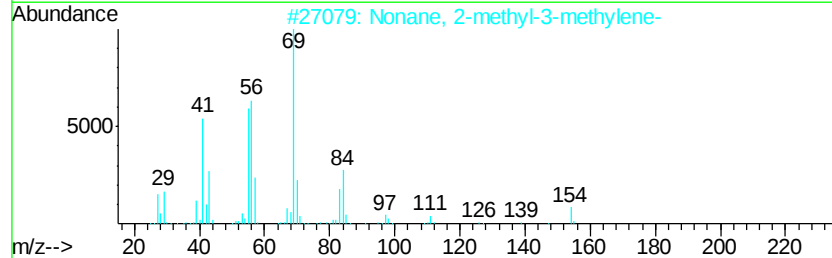
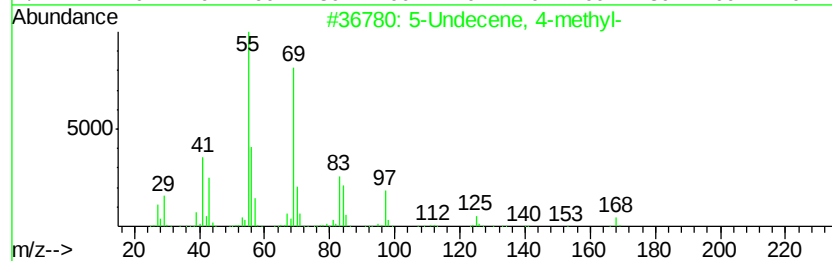
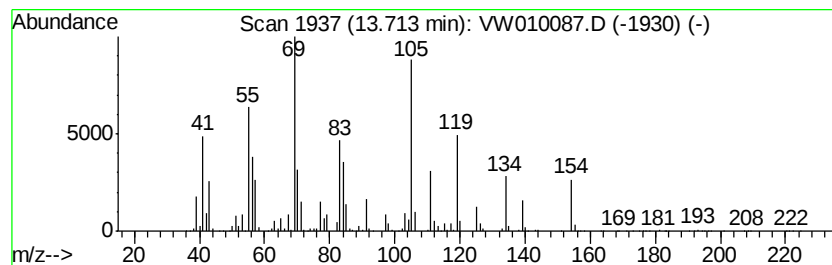
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	29.31 ug/L	6188800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecene, 4-methyl-	168	C12H24	143185-91-5	53
2		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	47
3		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	47
4		4-Nonene, 5-methyl-	140	C10H20	015918-07-7	47
5		4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

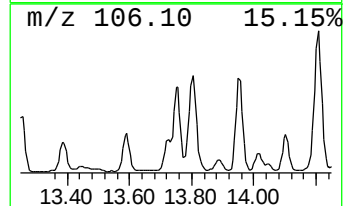
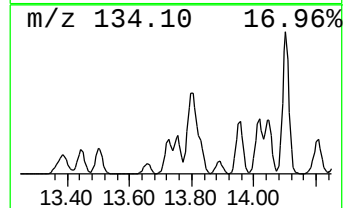
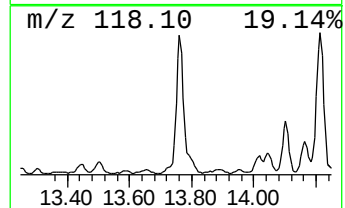
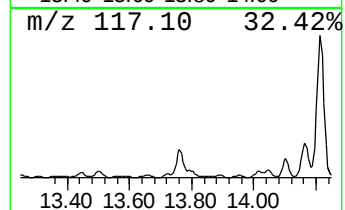
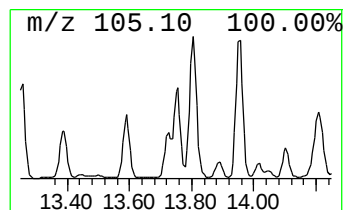
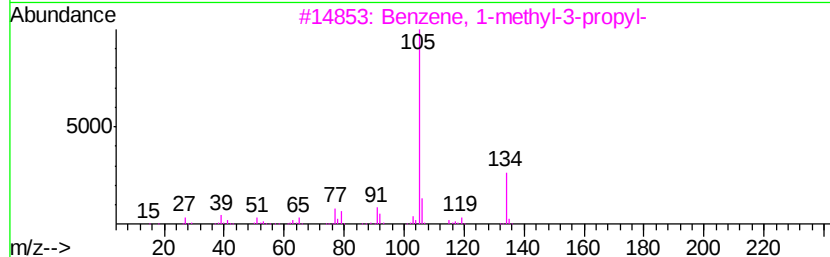
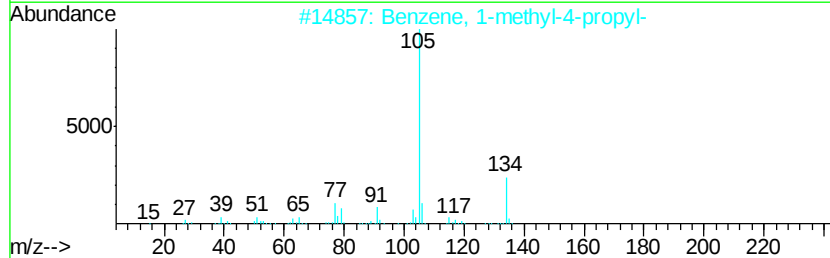
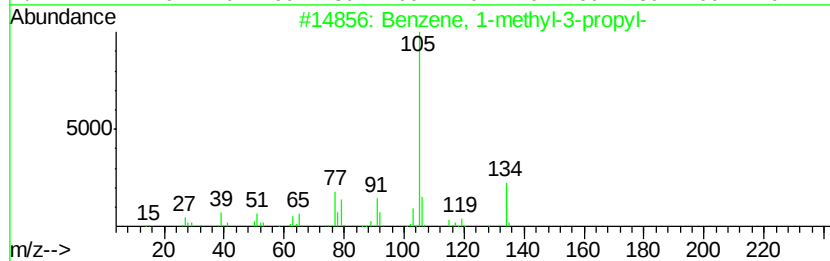
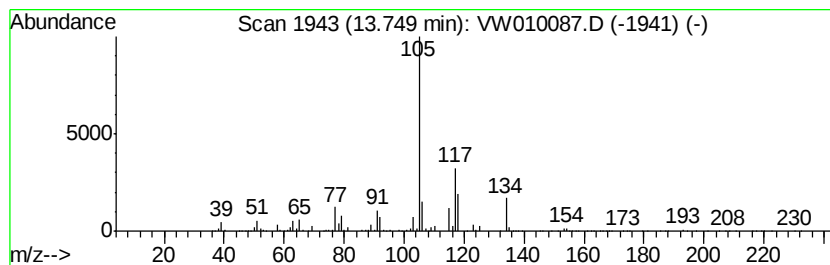
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1-methyl-3-propyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	12.99 ug/L	2742600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	55
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	49
4		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	43
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

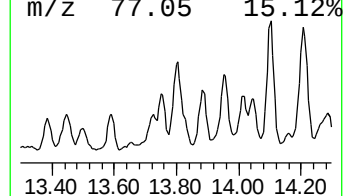
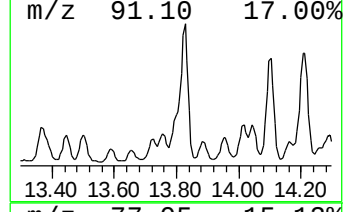
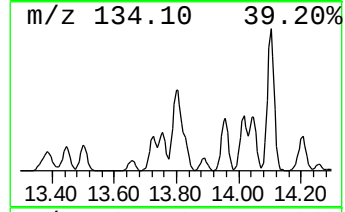
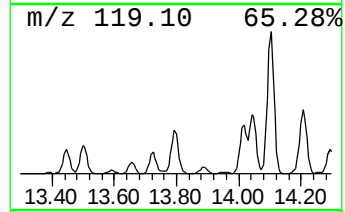
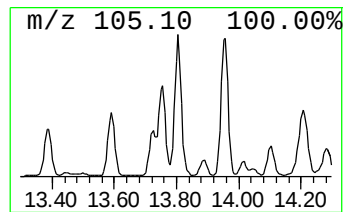
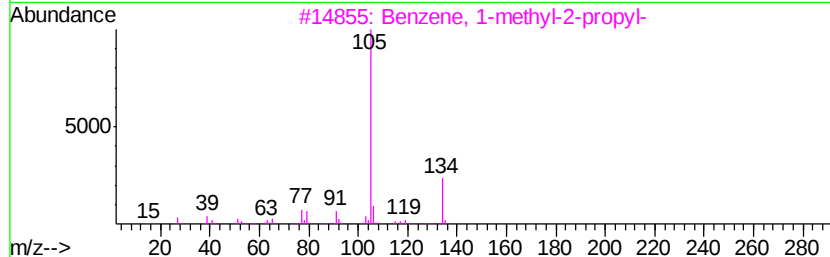
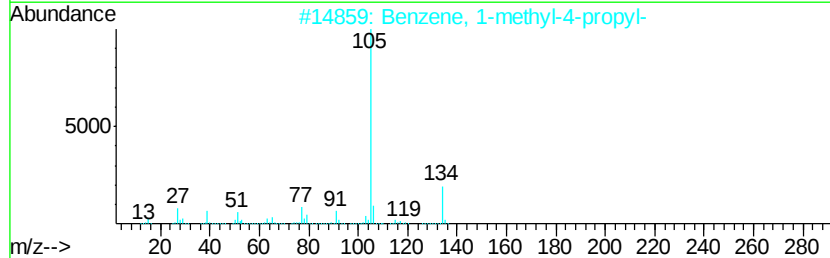
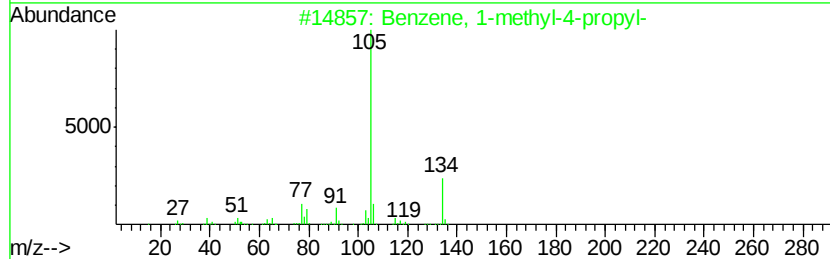
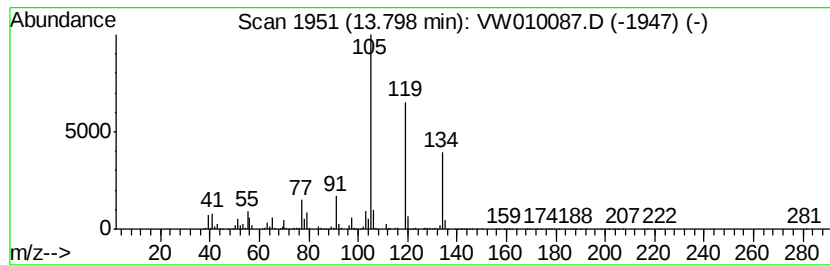
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Quant Title : VOC Analysis

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

Peak Number 36 Benzene, 1-methyl-4-propyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	32.84 ug/L	6933610	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	62
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	62
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	58
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	58
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

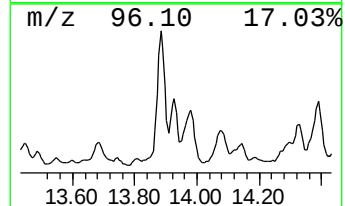
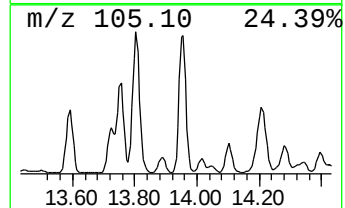
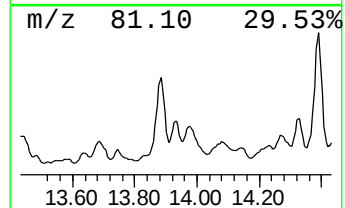
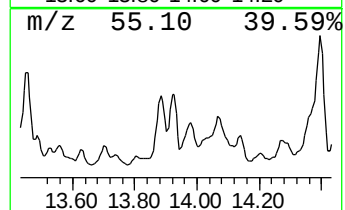
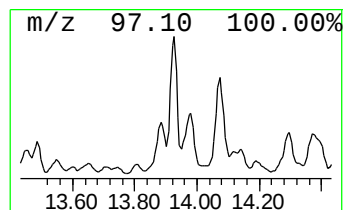
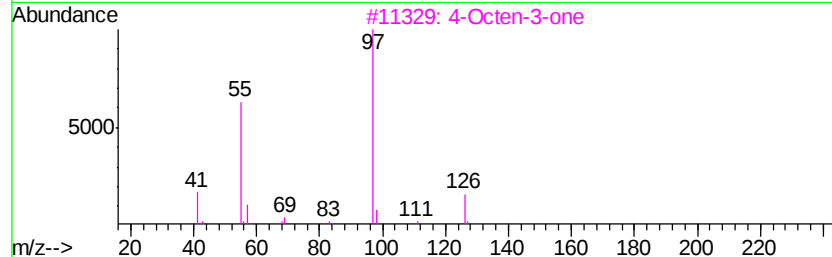
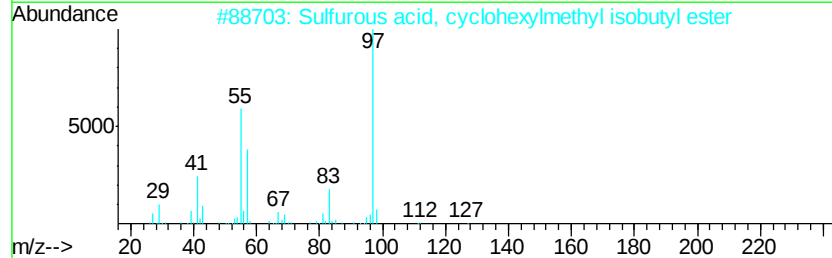
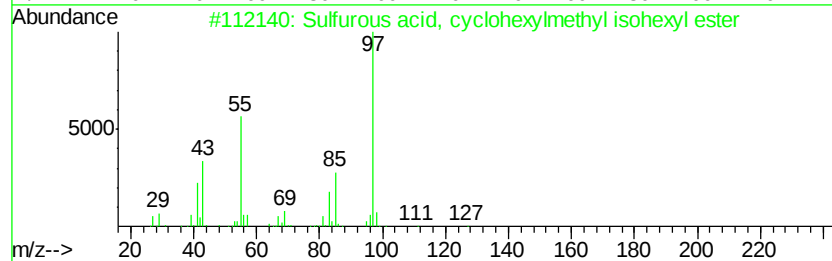
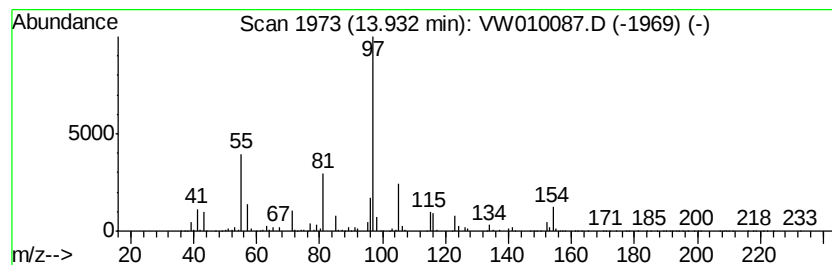
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Quant Title : VOC Analysis

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

Peak Number 37 Sulfurous acid, cyclohexylm... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	12.06 ug/L	2547370	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethyl...	262	C13H26O3S	1000309-21-5	59
2		Sulfurous acid, cvclohexylmethyl...	234	C11H22O3S	1000309-21-3	59
3		4-Octen-3-one	126	C8H14O	014129-48-7	53
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
5		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

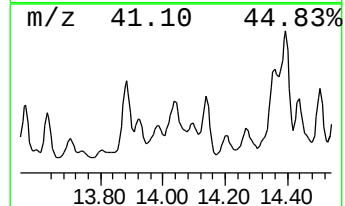
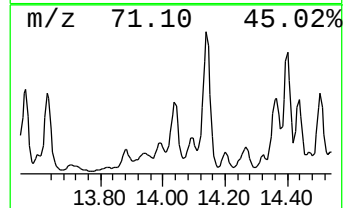
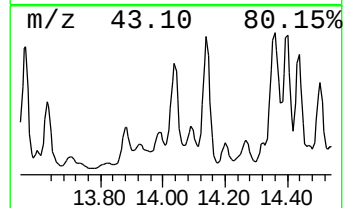
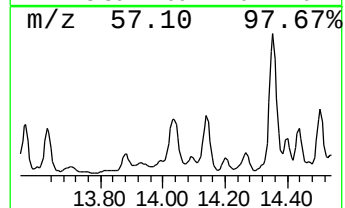
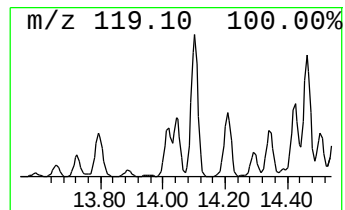
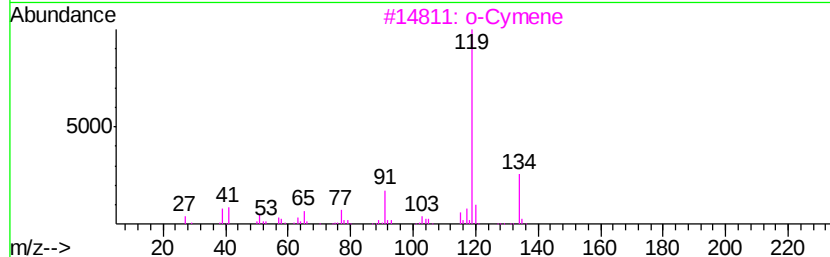
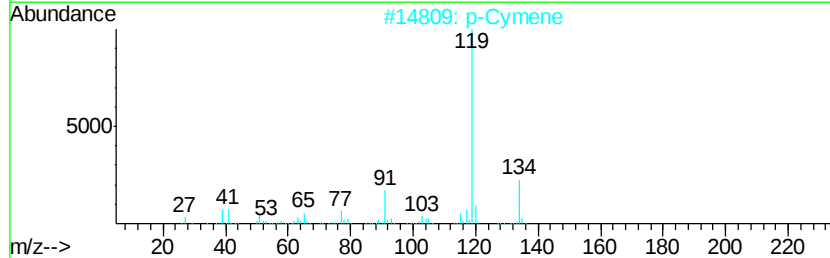
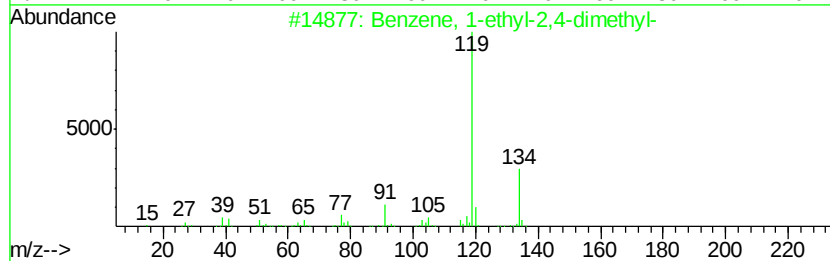
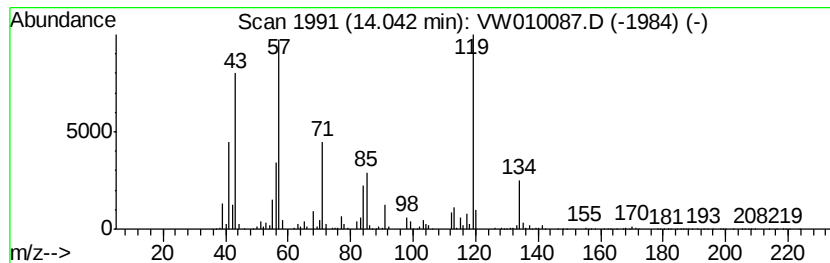
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	52.47 ug/L	11078300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	83
2		p-Cymene	134	C10H14	000099-87-6	83
3		o-Cymene	134	C10H14	000527-84-4	52
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

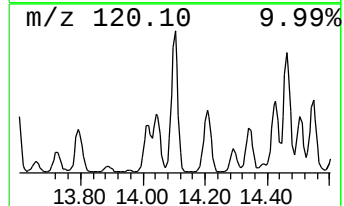
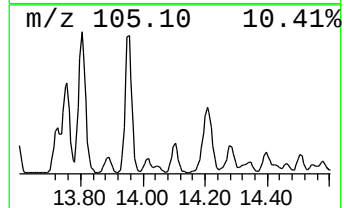
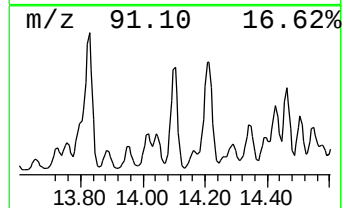
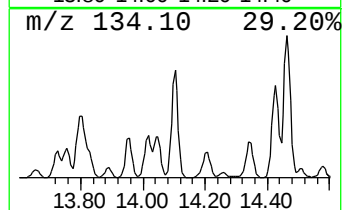
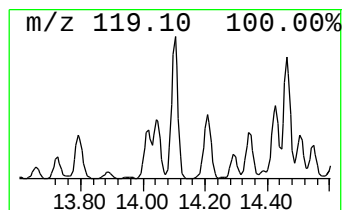
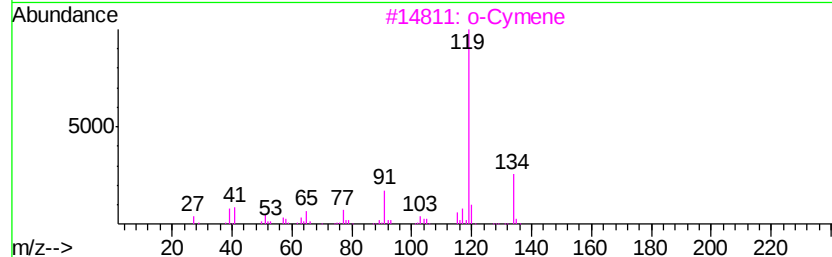
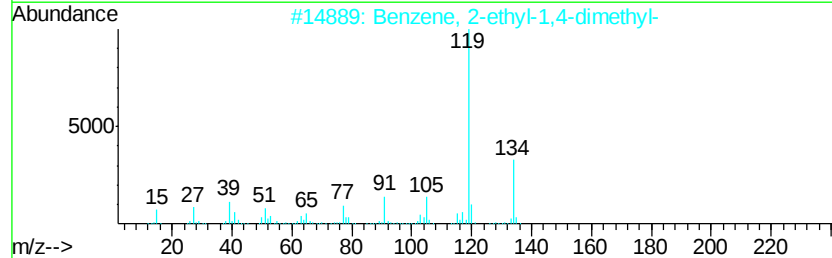
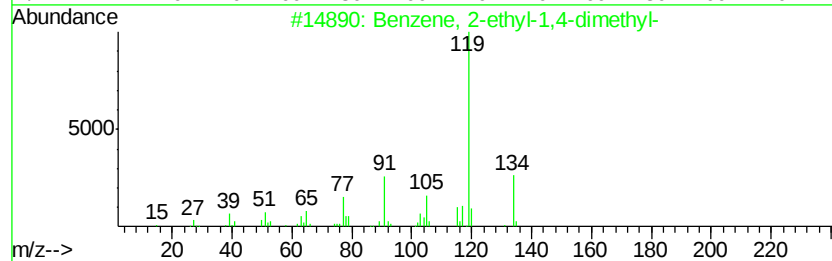
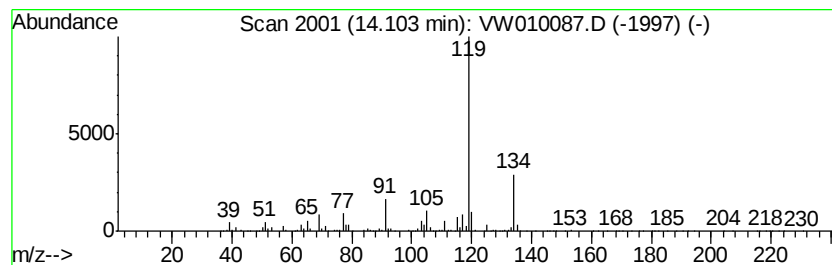
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Quant Title : VOC Analysis

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

Peak Number 39 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	40.47 ug/L	8544550	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

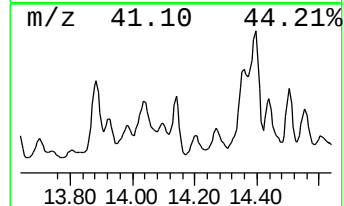
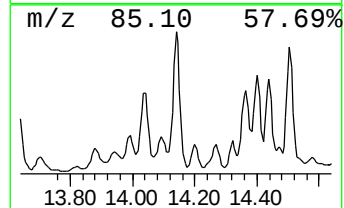
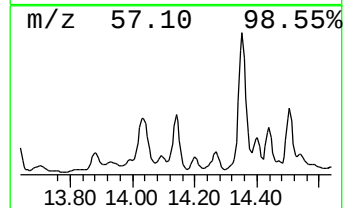
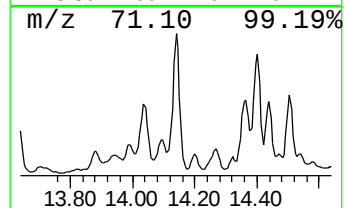
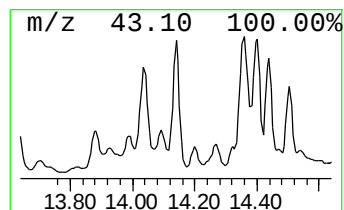
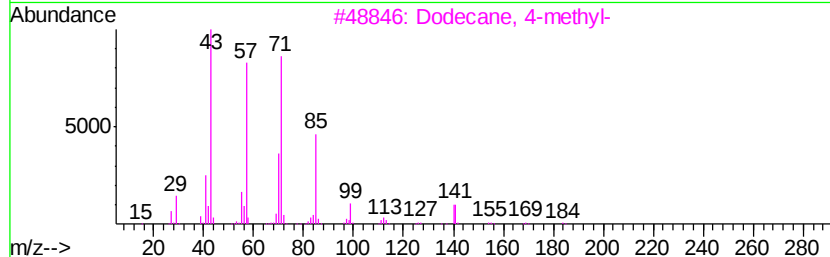
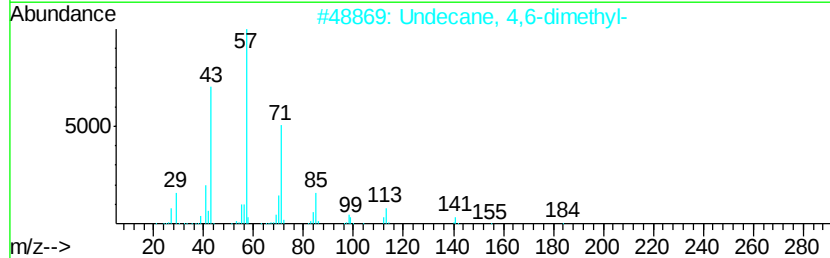
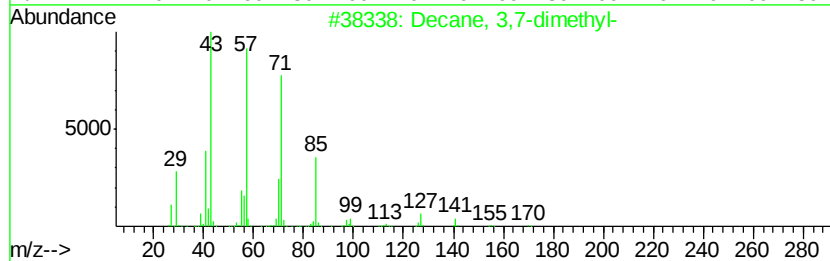
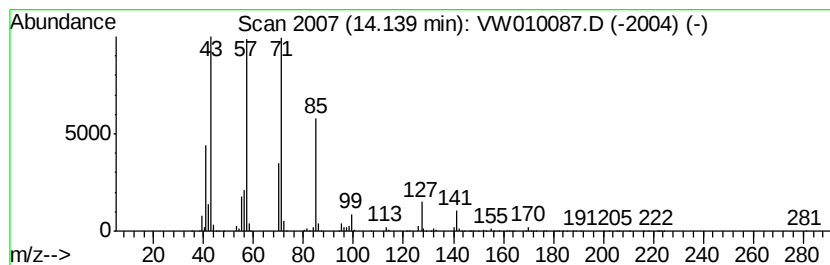
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	47.77 ug/L	10085900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	94
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
4		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
5		Nonane, 1-iodo-	254	C9H19I	004282-42-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

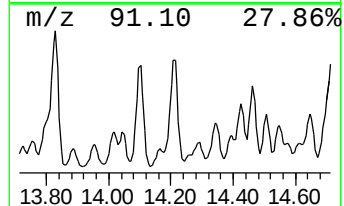
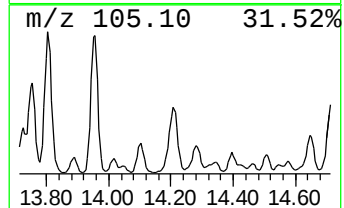
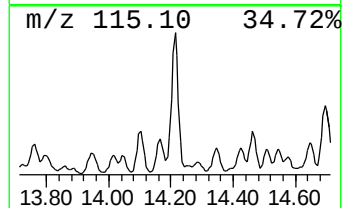
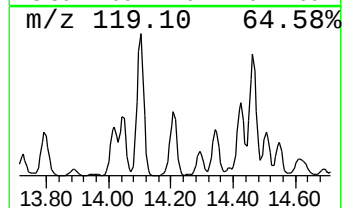
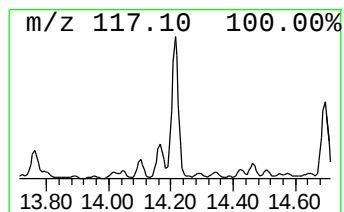
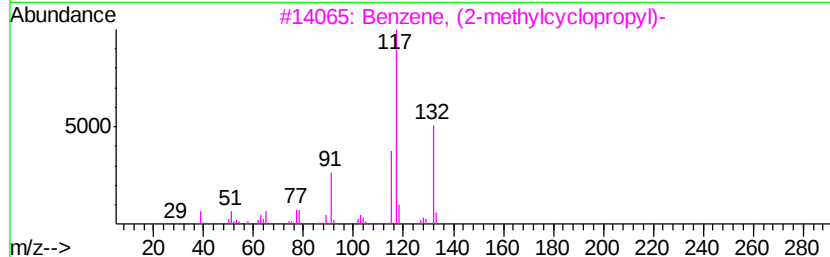
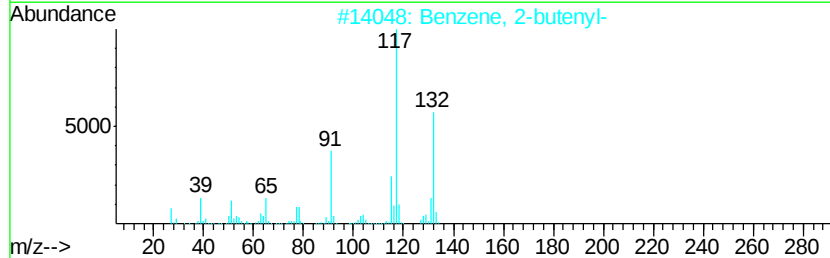
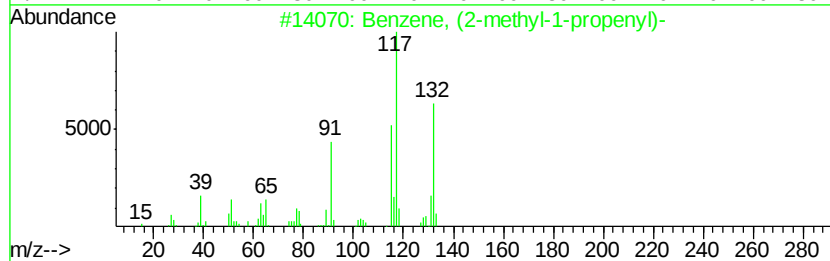
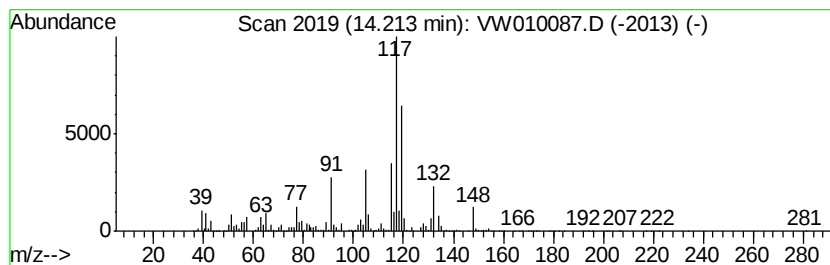
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Quant Title : VOC Analysis

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

Peak Number 41 Benzene, (2-methyl-1-propen... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	70.09 ug/L	14799100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	50
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

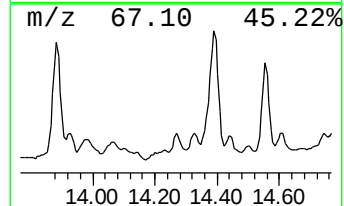
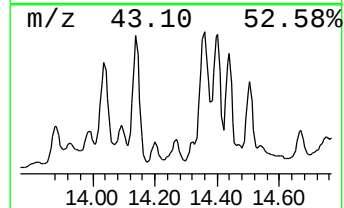
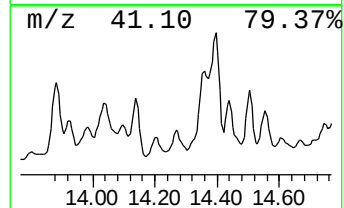
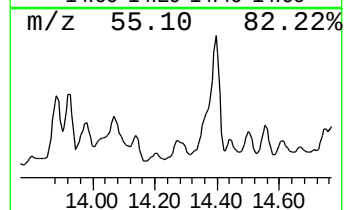
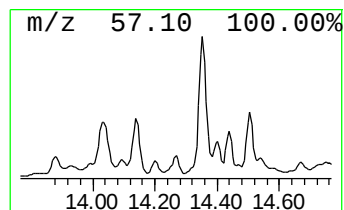
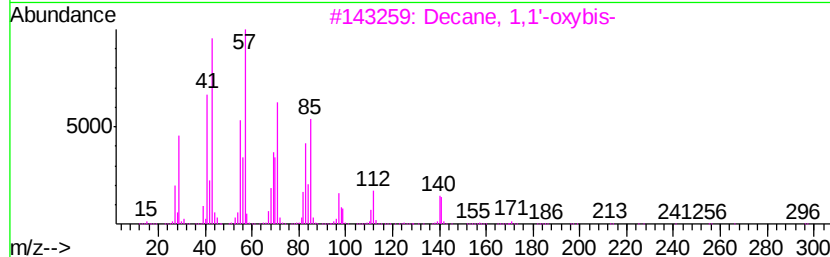
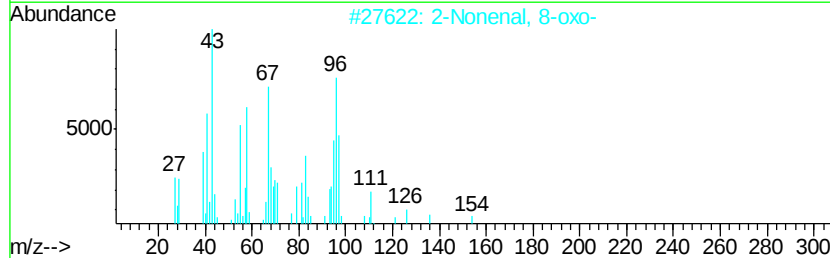
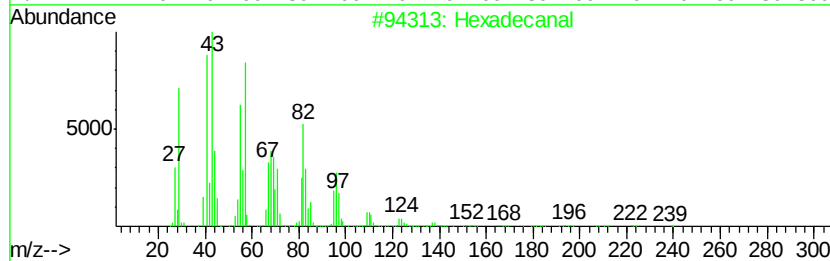
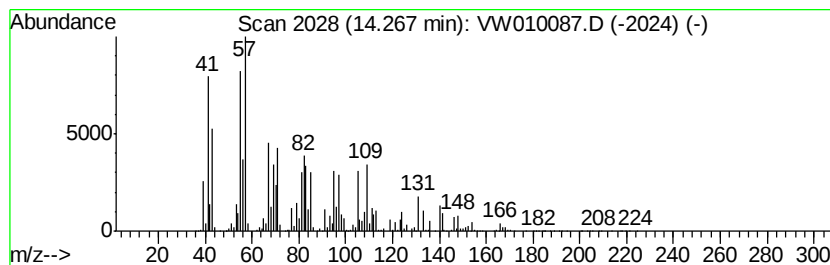
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Quant Title : VOC Analysis

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

Peak Number 42 unknown-03 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	34.96 ug/L	7382330	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanal	240	C16H32O	000629-80-1	30
2		2-Nonenal, 8-oxo-	154	C9H14O2	077611-52-0	30
3		Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	30
4		Oxalic acid, cyclobutyl octadecyl...	396	C24H44O4	1000309-70-8	30
5		2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

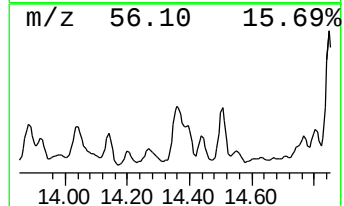
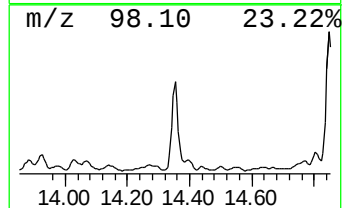
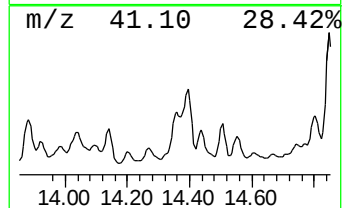
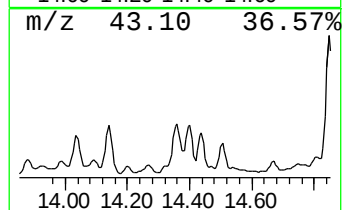
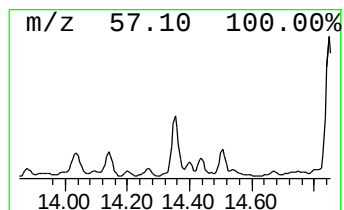
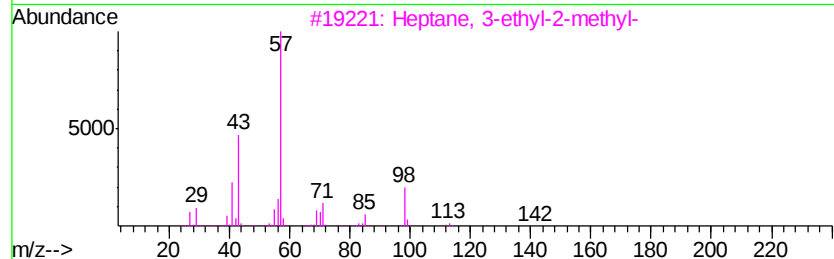
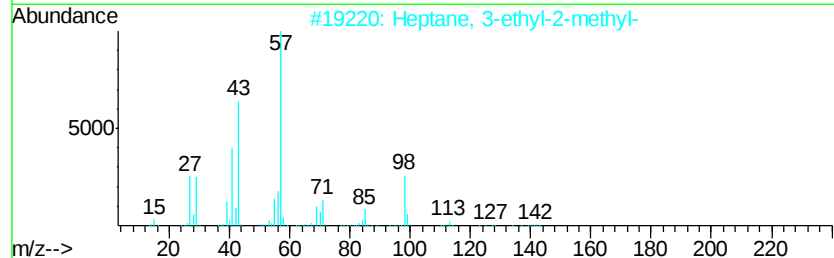
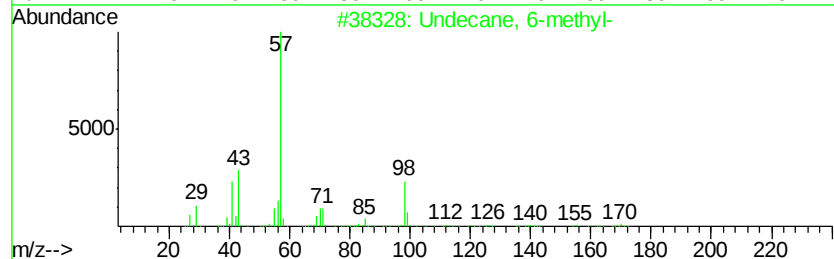
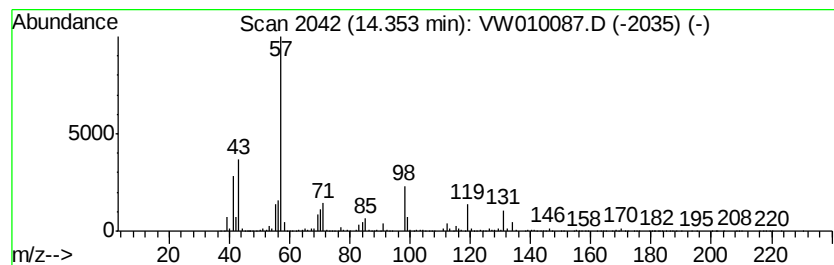
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	107.74 ug/L	22749000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-methyl-	170	C12H26	017302-33-9	60
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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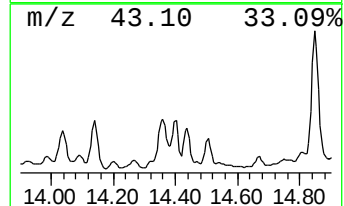
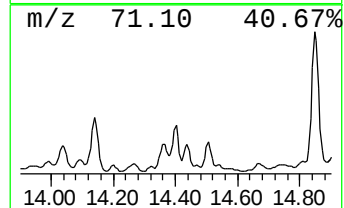
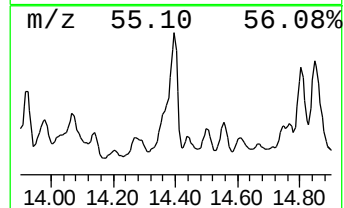
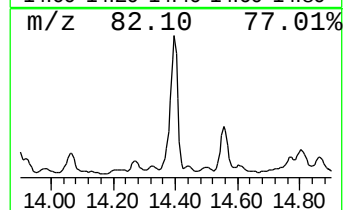
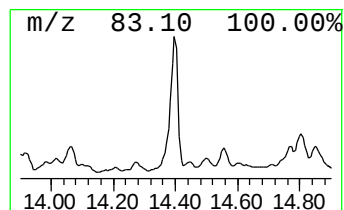
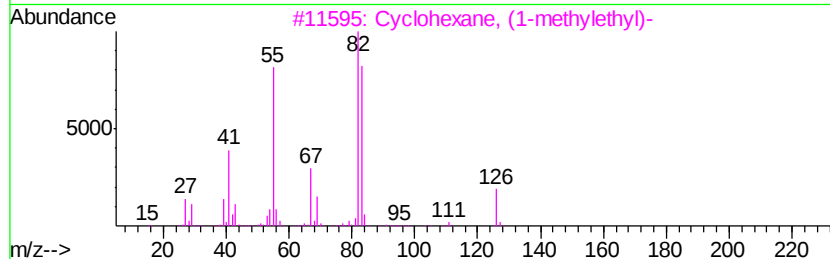
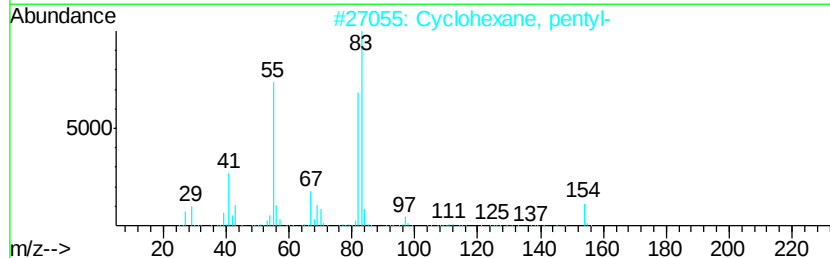
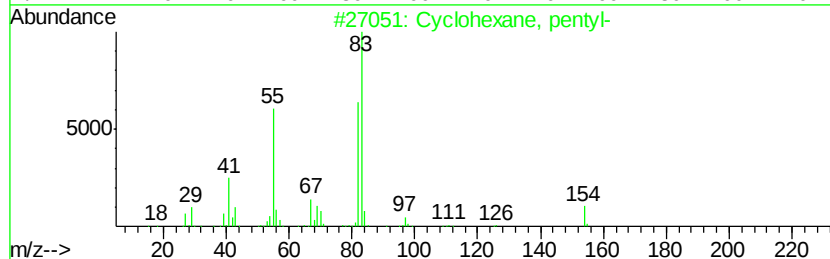
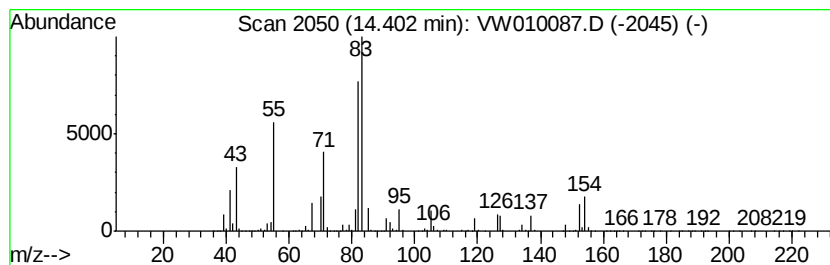
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Cyclic14.40 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	133.91 ug/L	28275400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
4		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	50
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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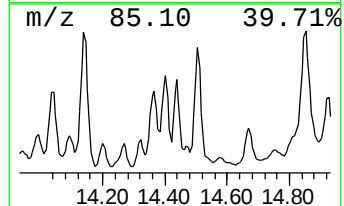
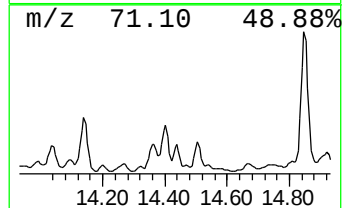
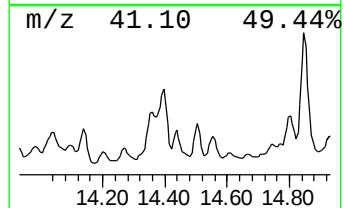
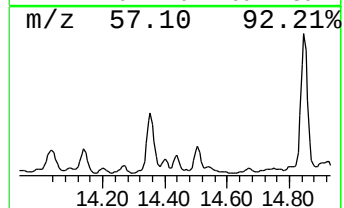
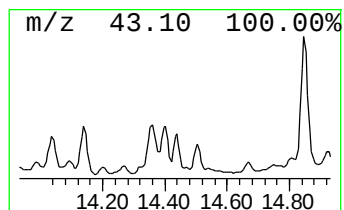
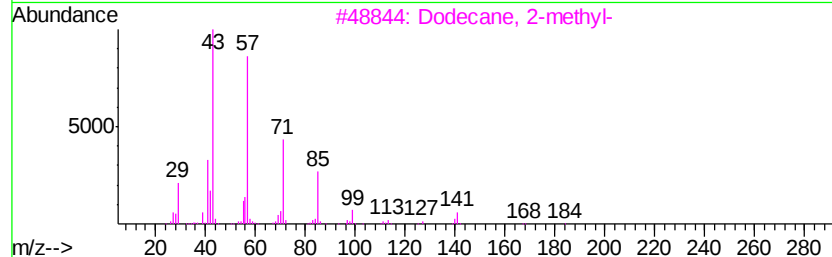
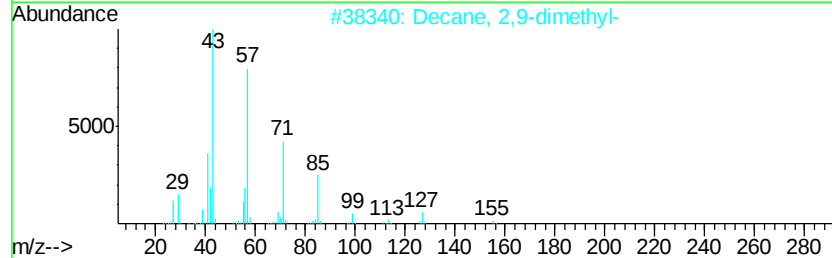
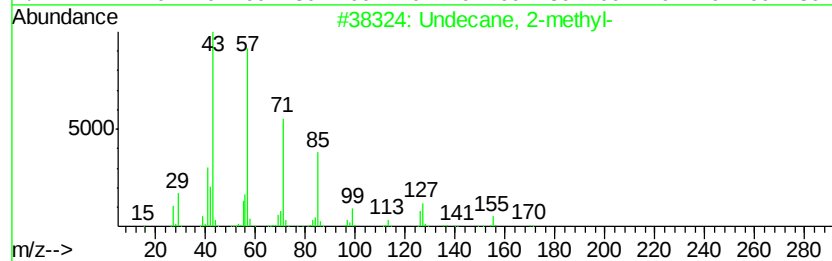
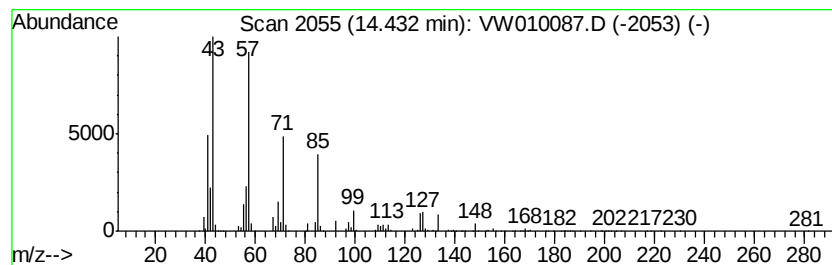
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	40.42 ug/L	8534580	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2-methyl-	170	C12H26	007045-71-8	87
2		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

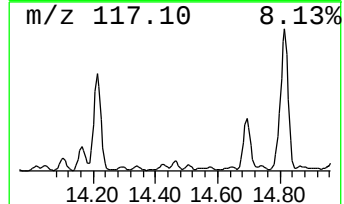
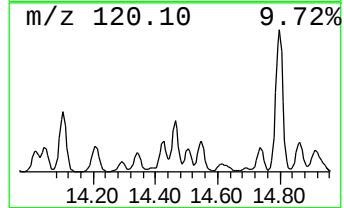
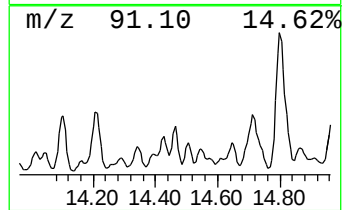
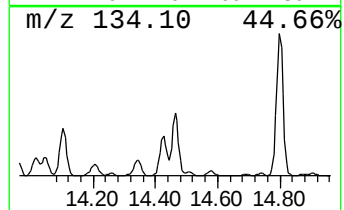
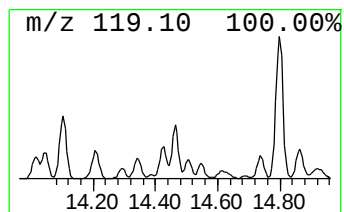
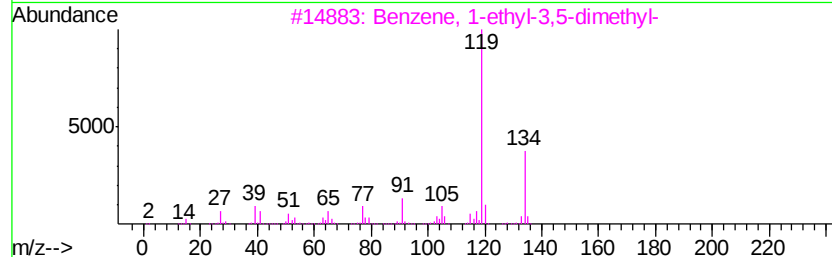
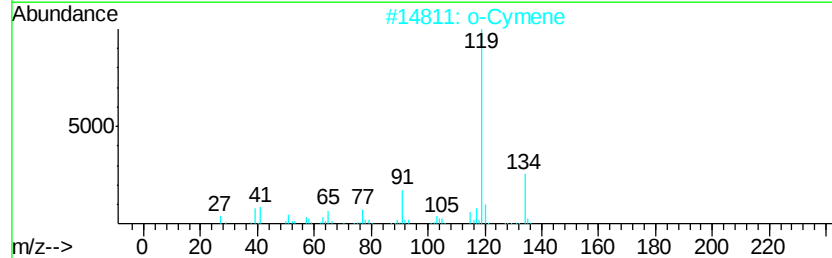
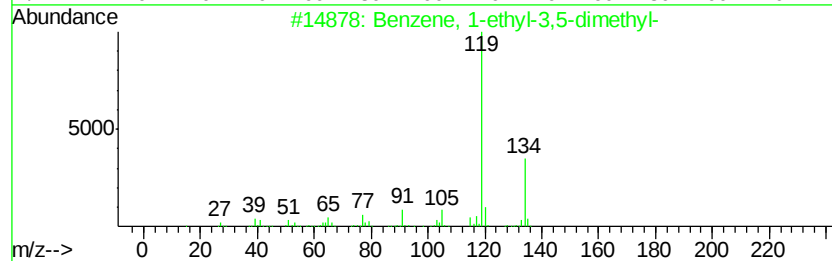
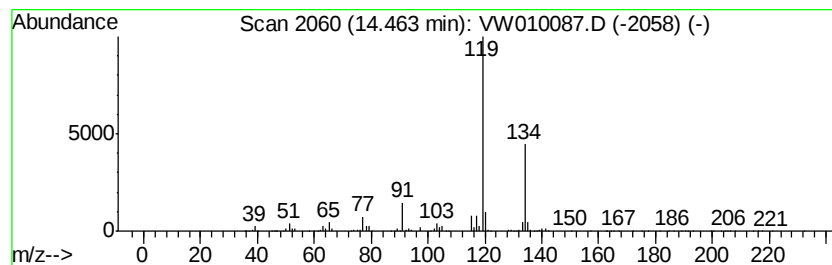
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Quant Title : VOC Analysis

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

Peak Number 46 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	25.73 ug/L	5432420	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5		p-Cymene	134	C10H14	000099-87-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

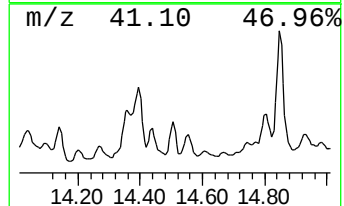
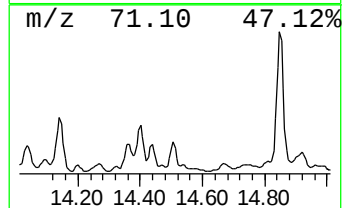
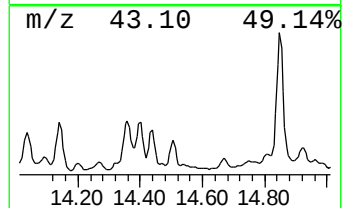
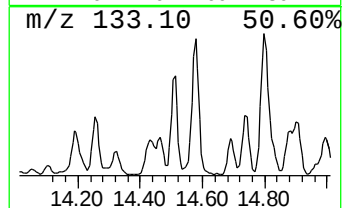
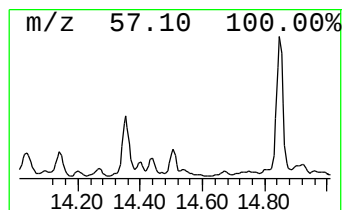
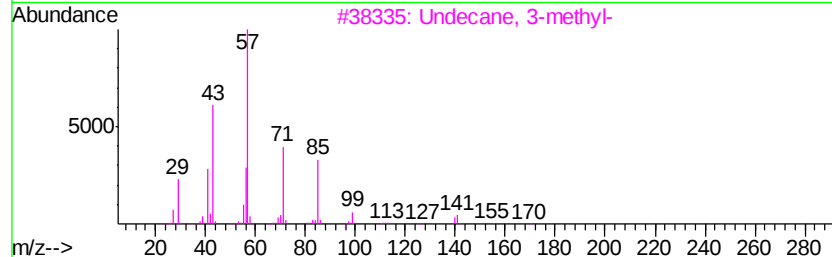
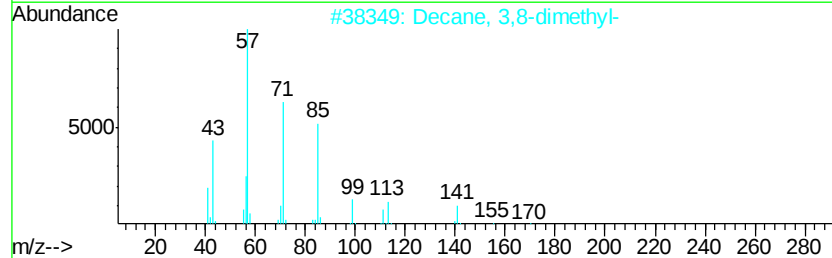
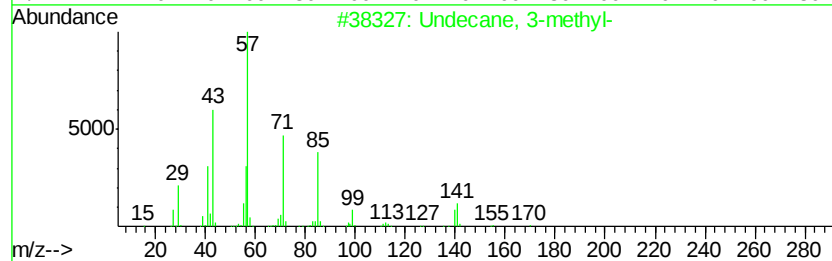
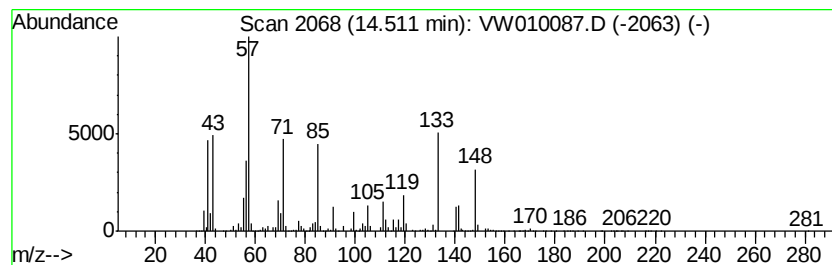
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	44.91 ug/L	9482320	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	70
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	60
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	50
4			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	47
5			Decane, 4-ethyl-	170	C12H26	001636-44-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

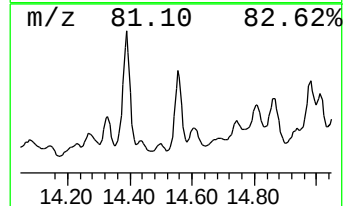
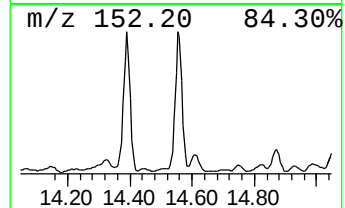
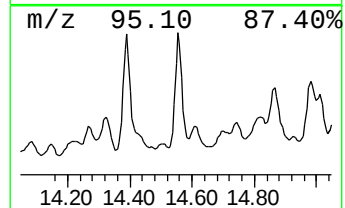
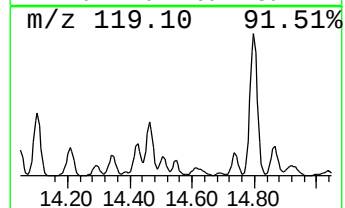
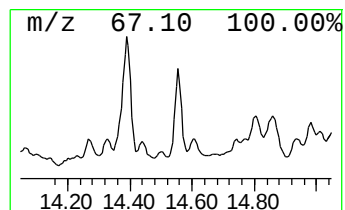
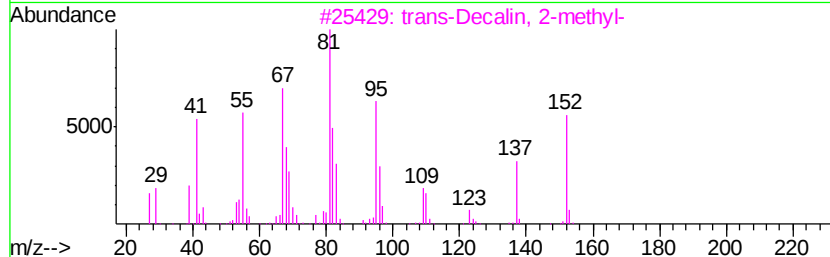
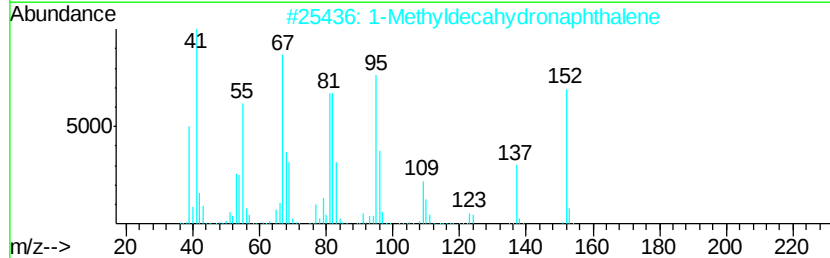
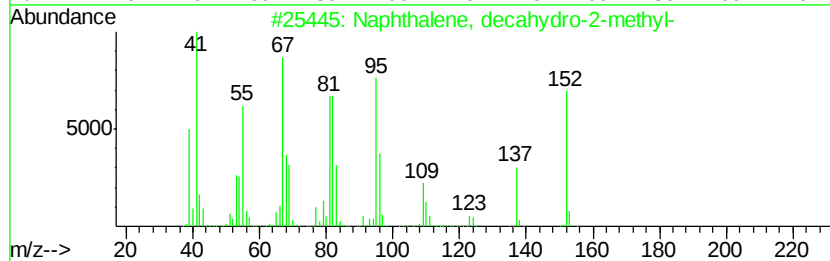
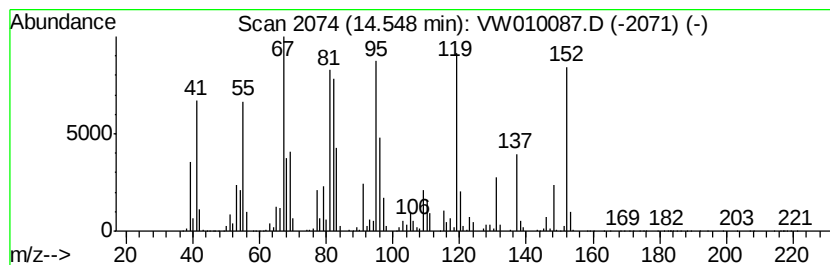
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Quant Title : VOC Analysis

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

Peak Number 48 Naphthalene, decahydro-2-me... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	57.88 ug/L	12222100	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

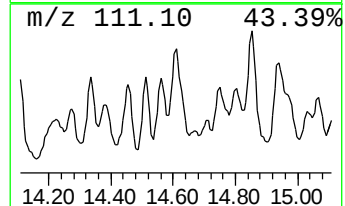
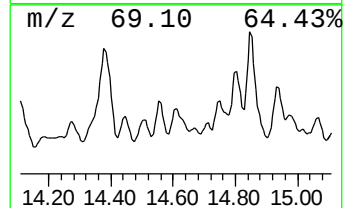
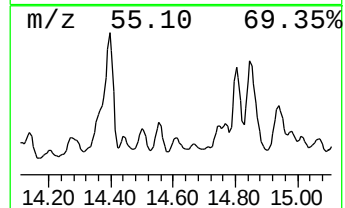
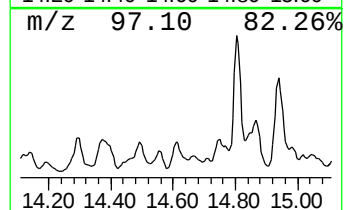
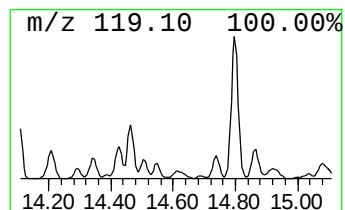
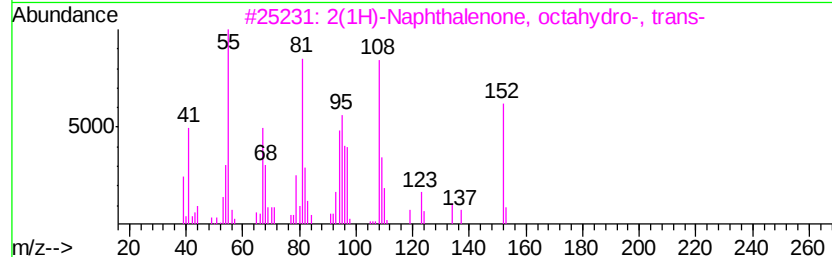
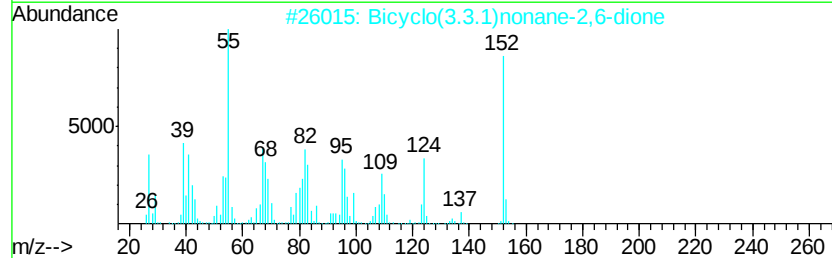
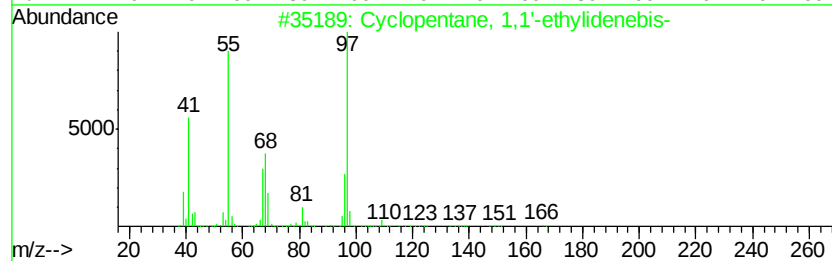
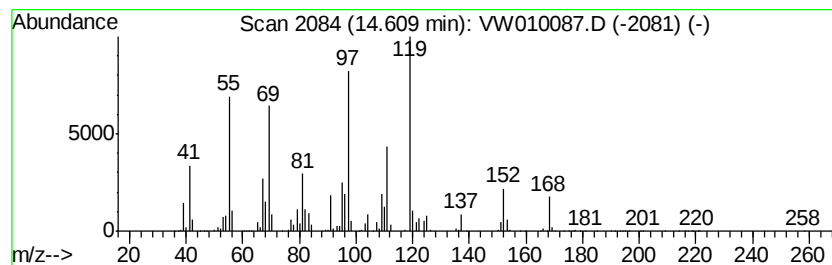
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Quant Title : VOC Analysis

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

Peak Number 49 Cyclopentane, 1,1'-ethylide... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	9.19 ug/L	1940770	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	22
2		Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	18
3		2(1H)-Naphthalenone, octahydro-, ...	152	C10H16O	016021-08-2	18
4		3,5-Diketo-1,6-heptadiene	124	C7H8O2	015849-12-4	18
5		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

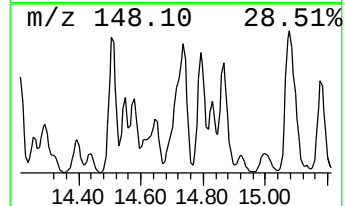
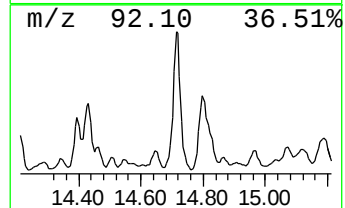
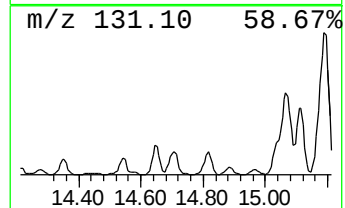
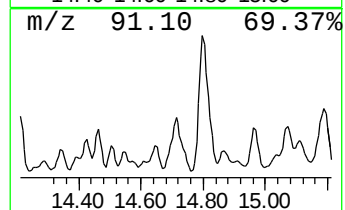
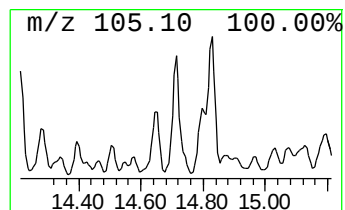
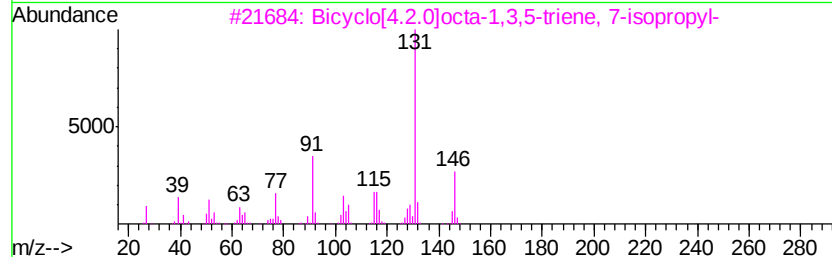
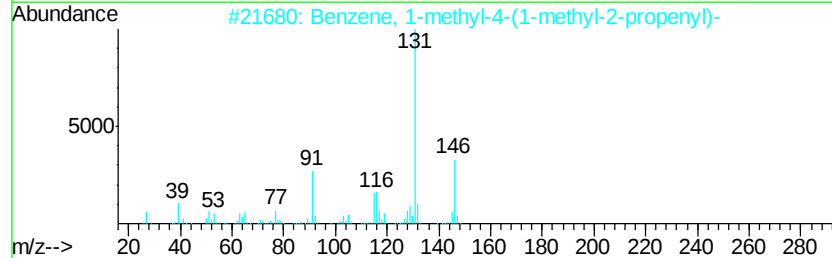
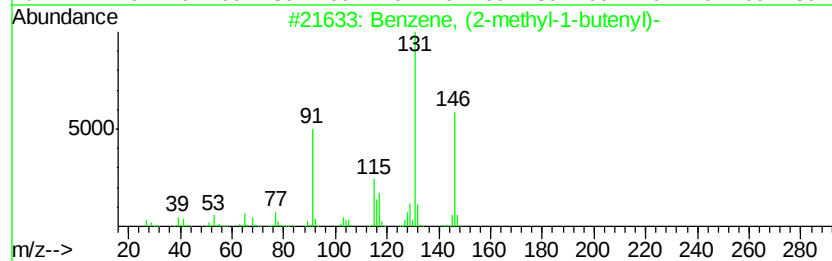
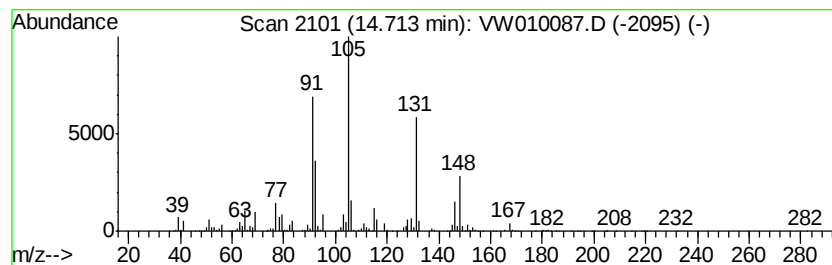
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 50 Benzene, (2-methyl-1-butenyl)- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	29.37 ug/L	6201130	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
2		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	60
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	55
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

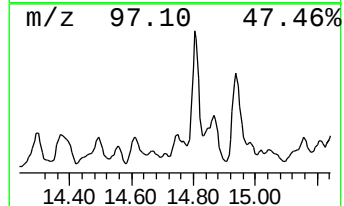
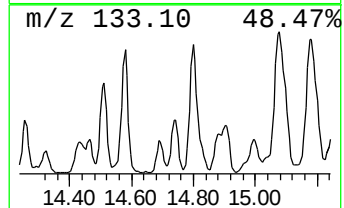
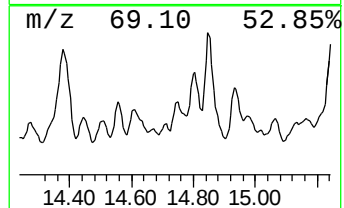
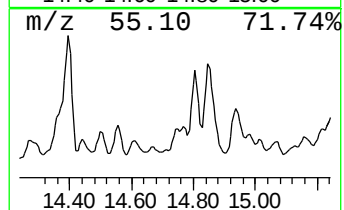
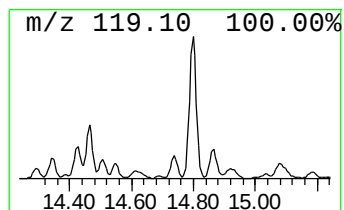
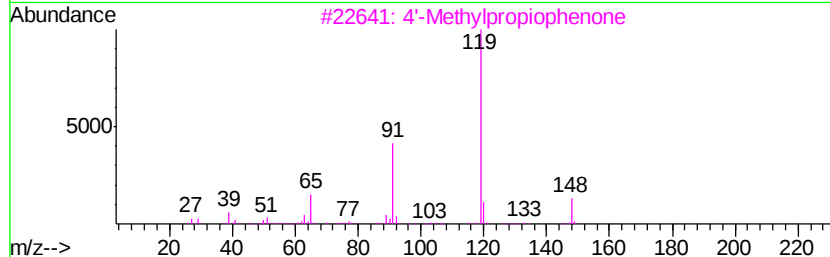
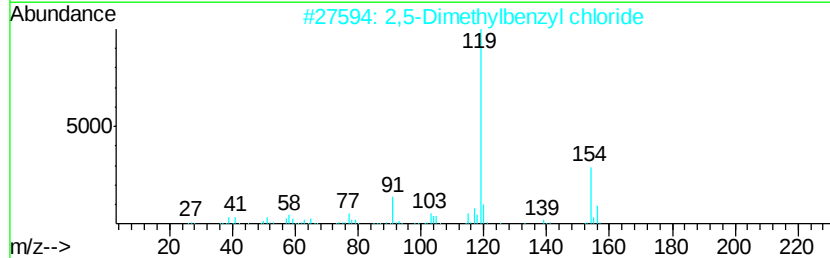
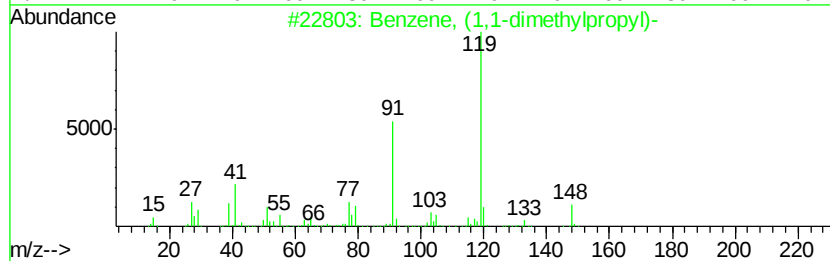
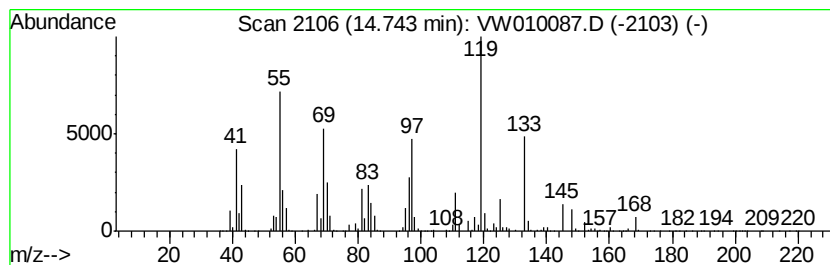
Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 51 unknown-04 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	21.01 ug/L	4435680	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 27
2		2,5-Dimethylbenzyl chloride	154 C9H11Cl	000824-45-3 22
3		4'-Methylpropiophenone	148 C10H12O	005337-93-9 16
4		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 16
5		4'-Methylpropiophenone	148 C10H12O	005337-93-9 16



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

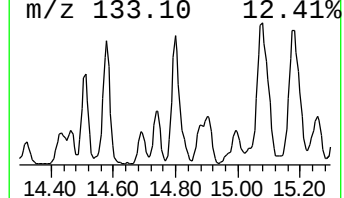
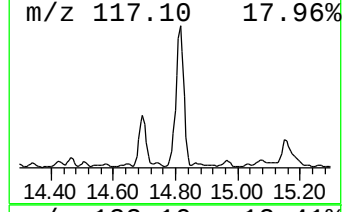
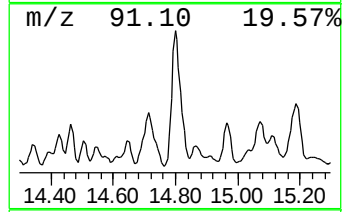
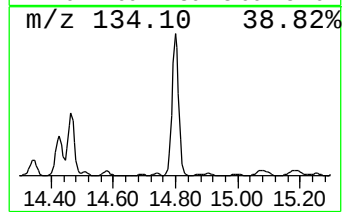
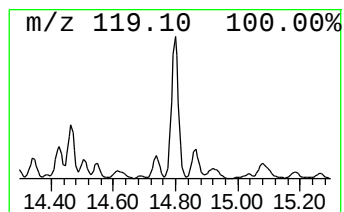
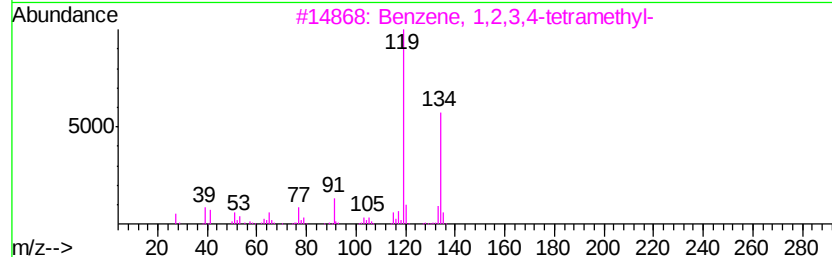
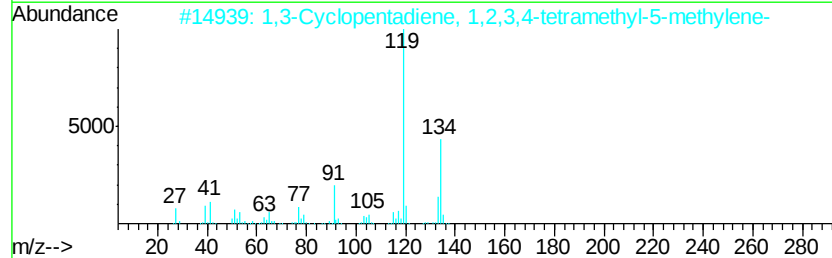
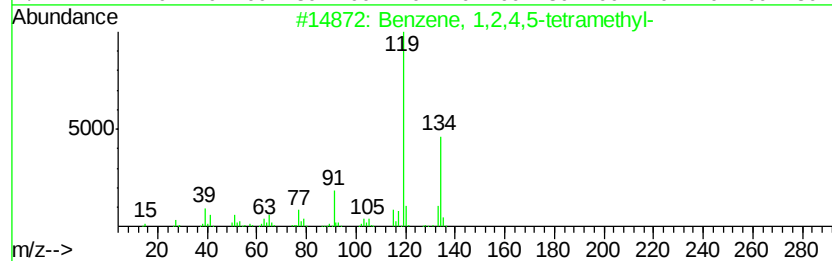
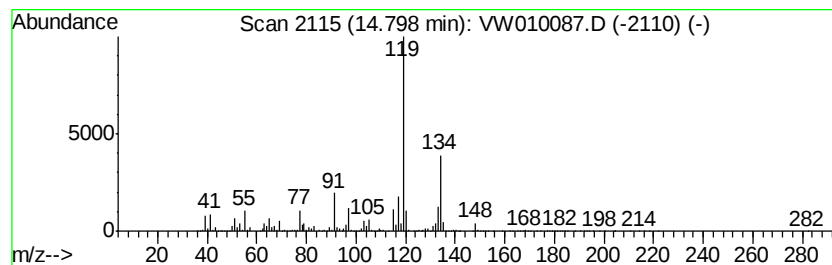
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Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	224.34 ug/L	47367300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

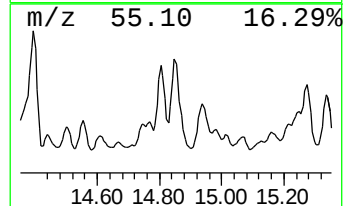
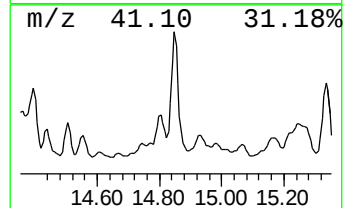
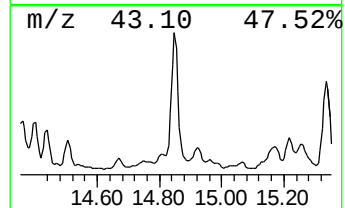
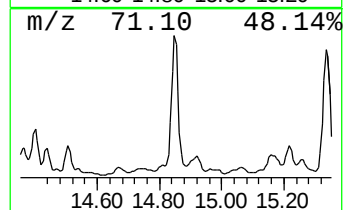
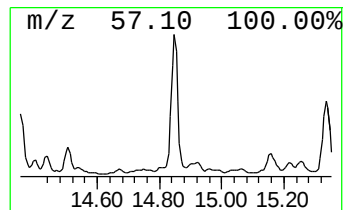
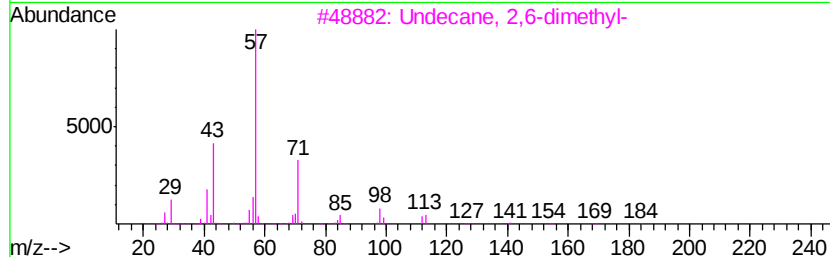
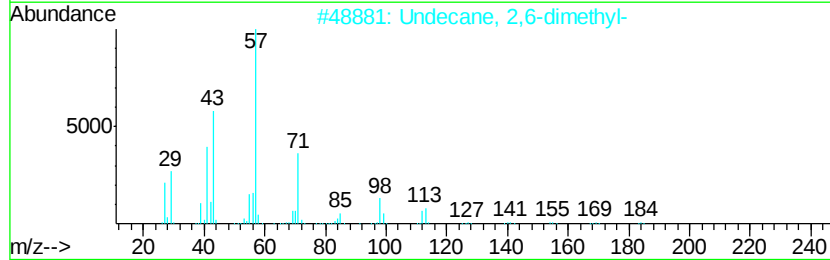
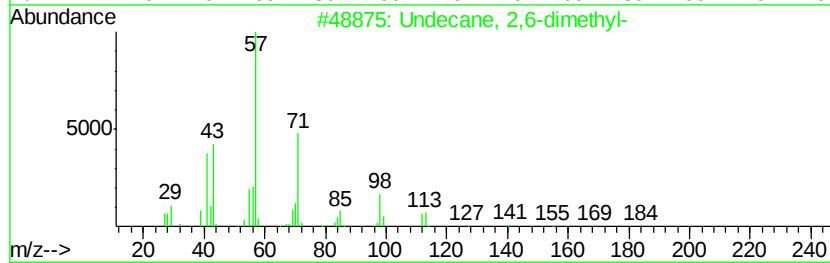
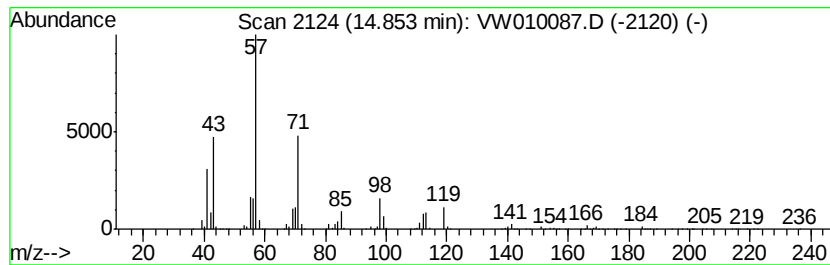
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Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	210.21 ug/L	44383900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	96
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

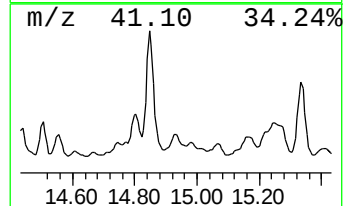
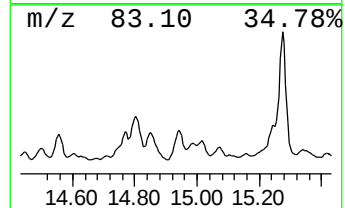
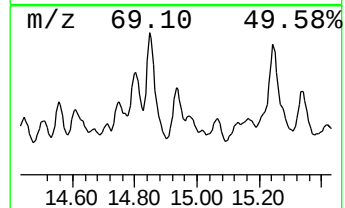
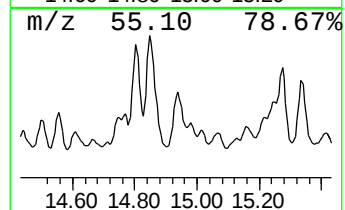
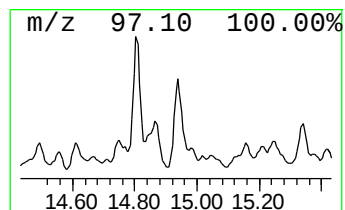
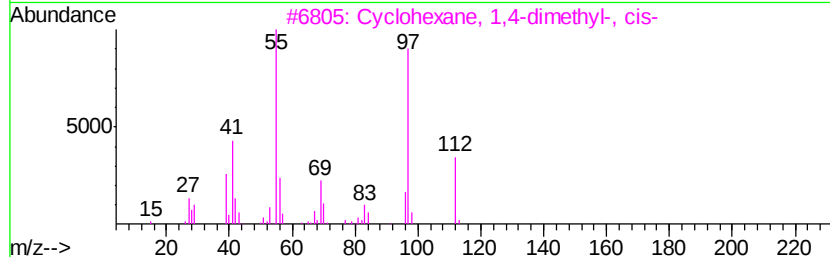
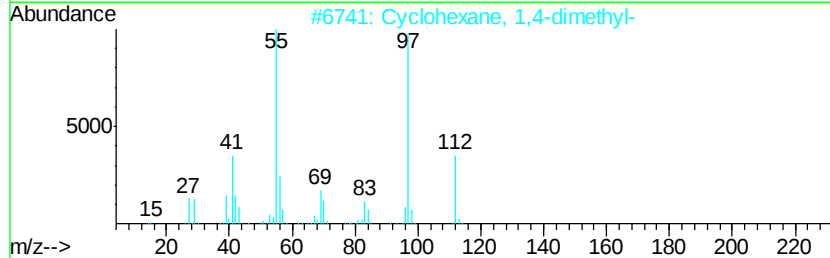
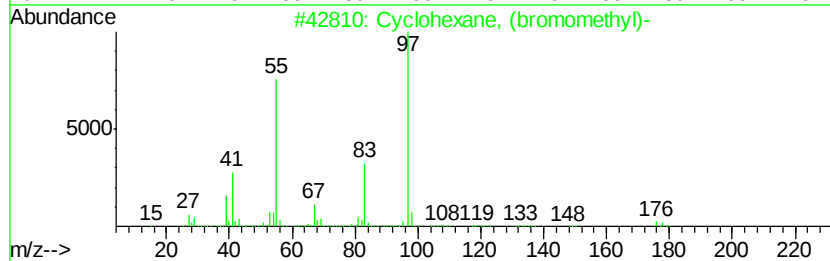
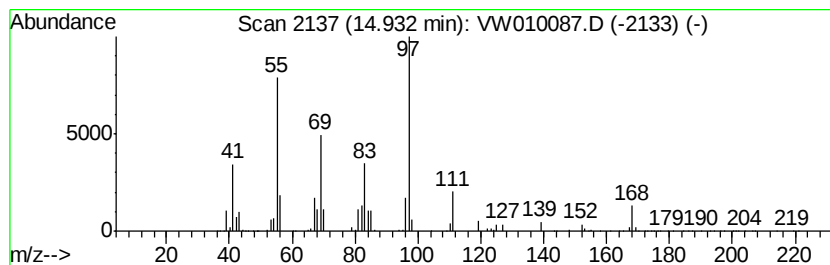
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Quant Title : VOC Analysis

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

Peak Number 54 Cyclohexane, (bromomethyl)- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	22.68 ug/L	4788120	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	50
2		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	50
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	50
4		4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	50
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

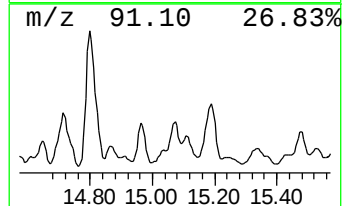
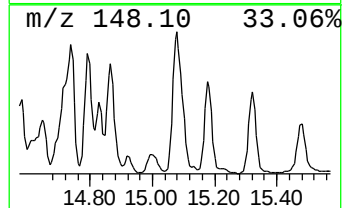
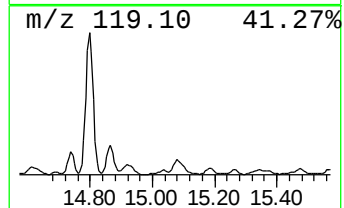
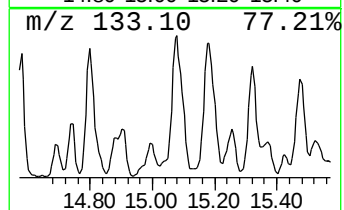
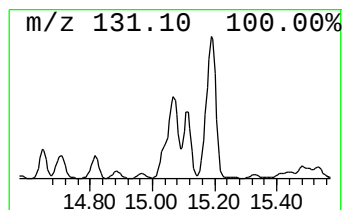
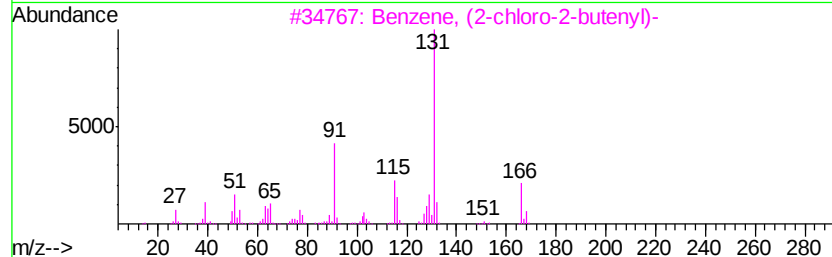
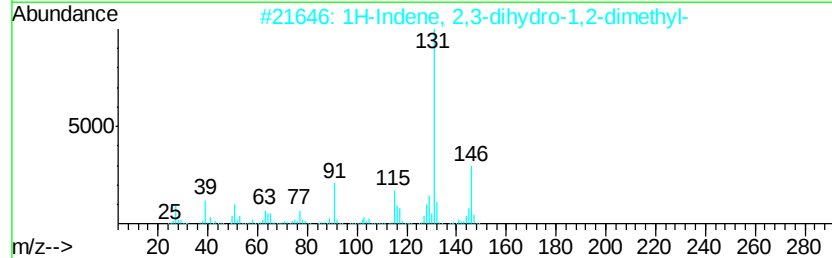
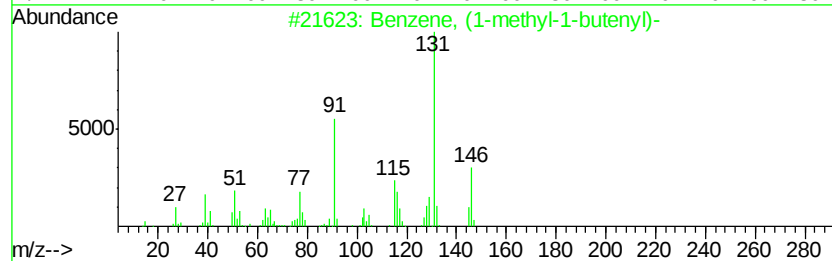
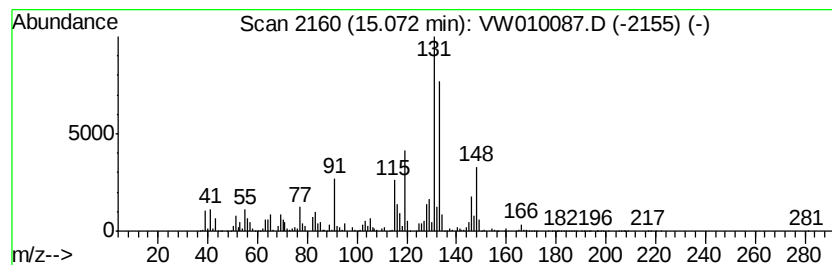
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Quant Title : VOC Analysis

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

Peak Number 55 Benzene, (1-methyl-1-butenyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	44.66 ug/L	9429550	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
3		Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	81
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	66
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

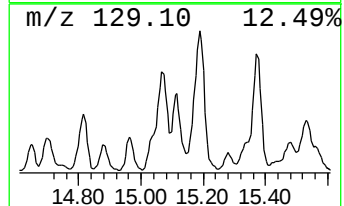
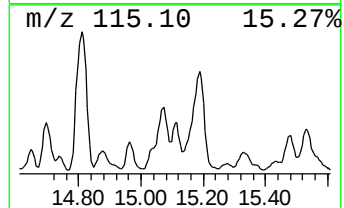
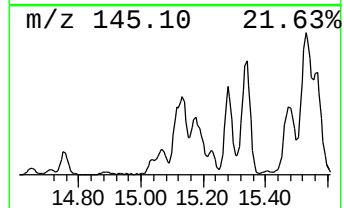
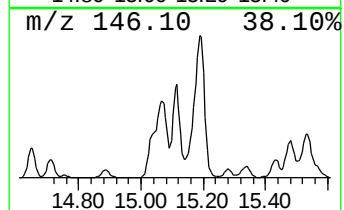
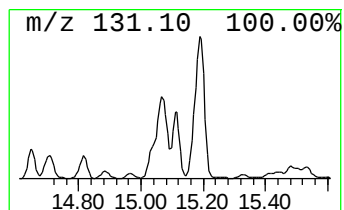
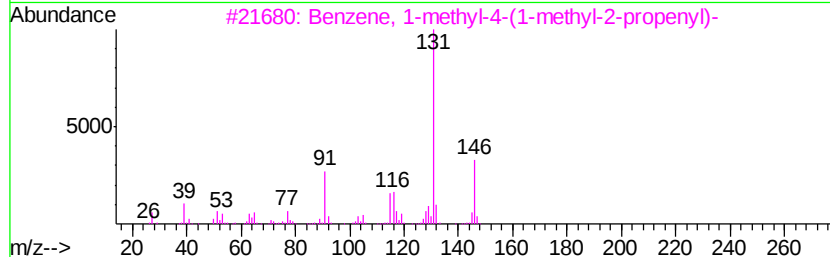
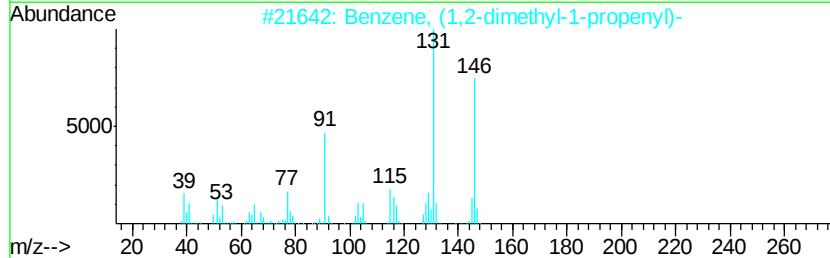
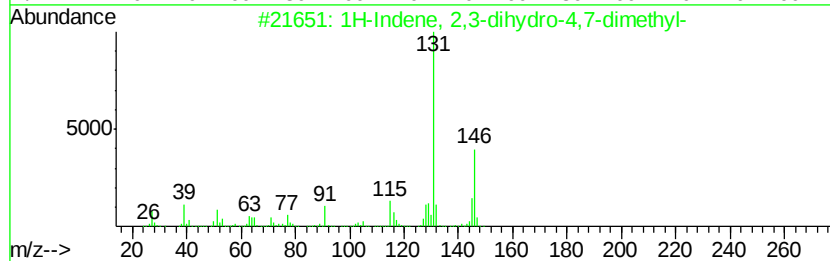
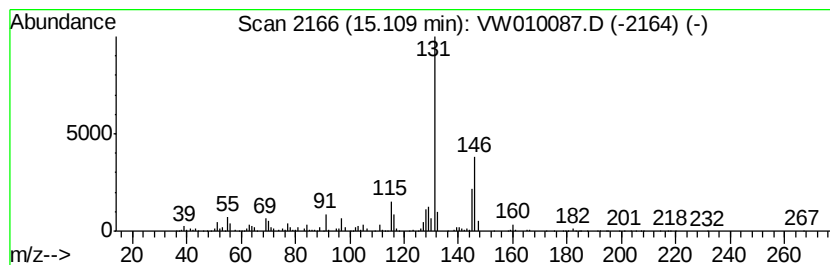
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Quant Title : VOC Analysis

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

Peak Number 56 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	13.57 ug/L	2865040	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
3		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

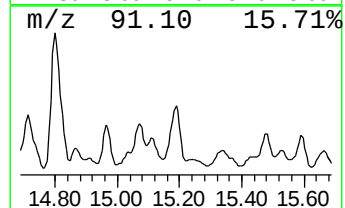
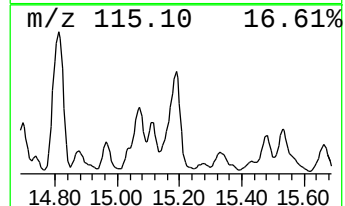
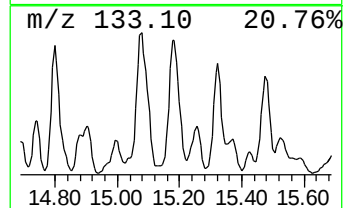
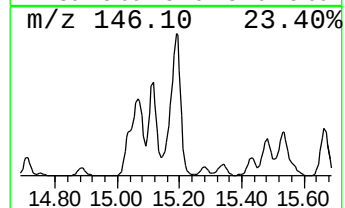
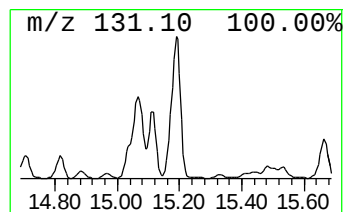
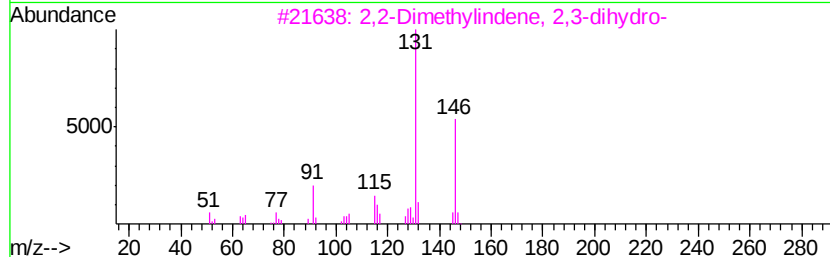
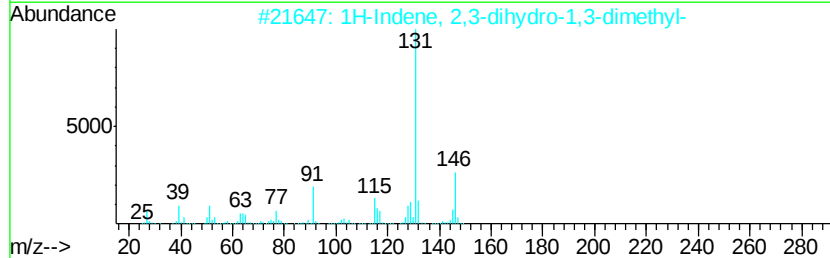
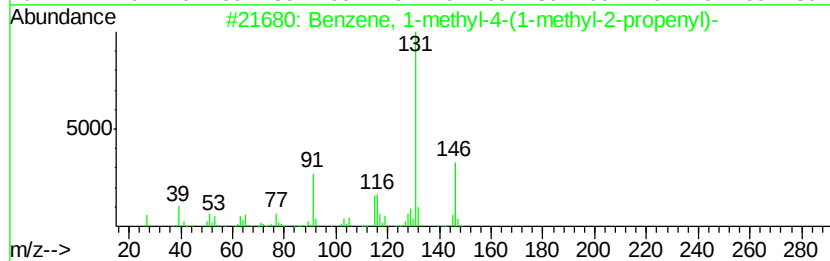
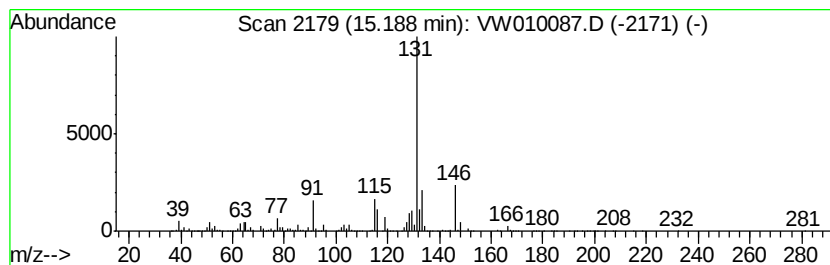
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Quant Title : VOC Analysis

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

Peak Number 57 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	129.52 ug/L	27346900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	83
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

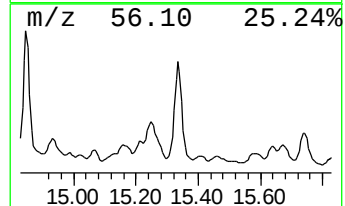
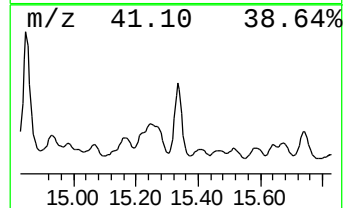
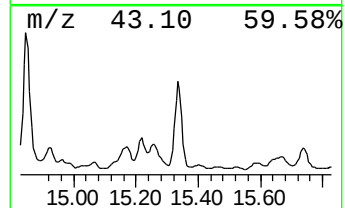
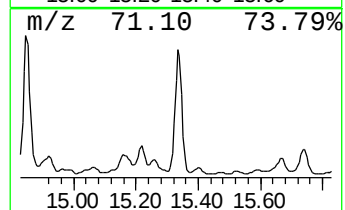
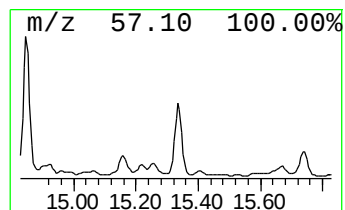
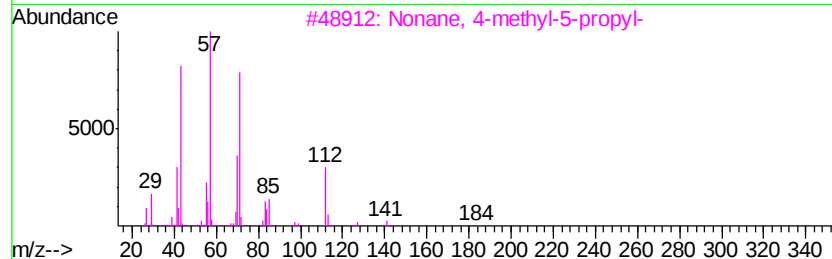
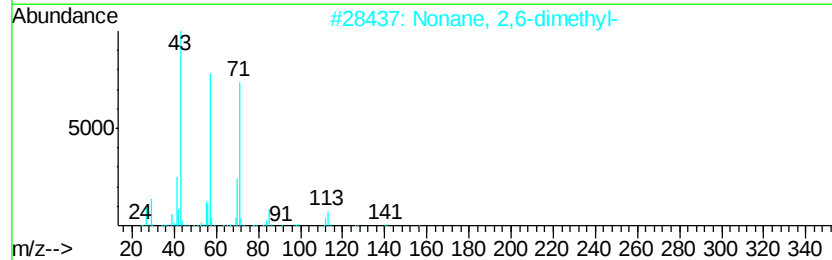
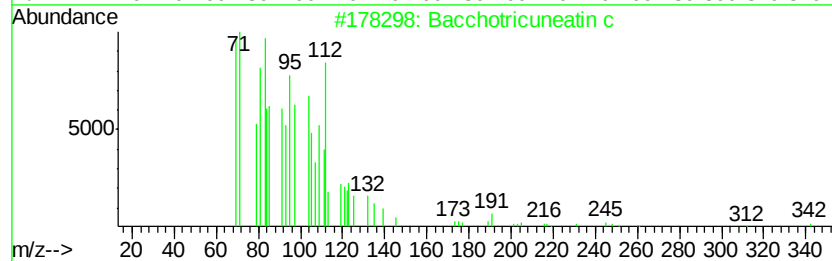
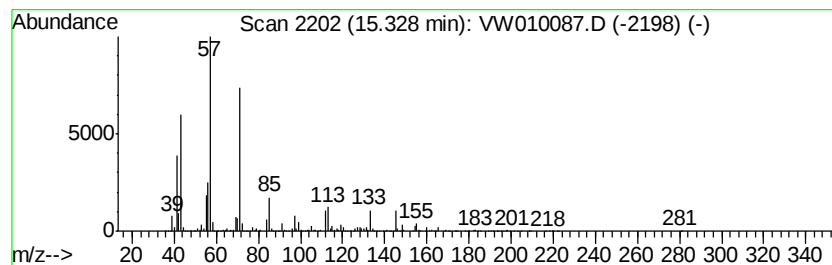
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Quant Title : VOC Analysis

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

Peak Number 58 Bacchotricuneatin c Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	143.04 ug/L	30202700	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bacchotricuneatin c	342	C20H22O5	066563-30-2	74
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

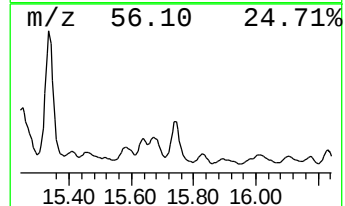
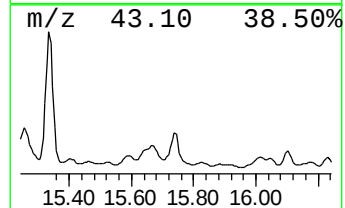
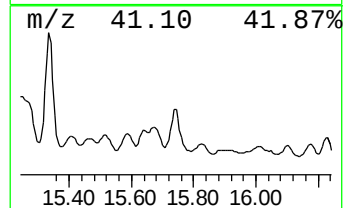
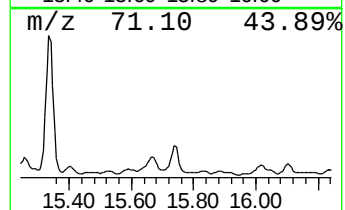
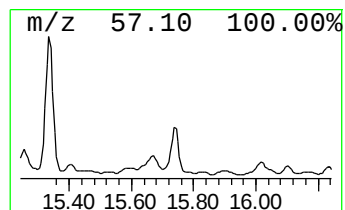
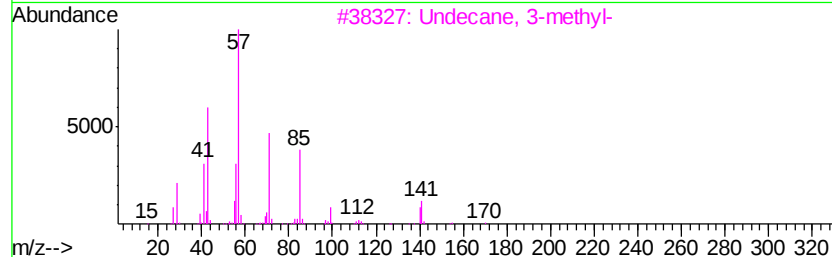
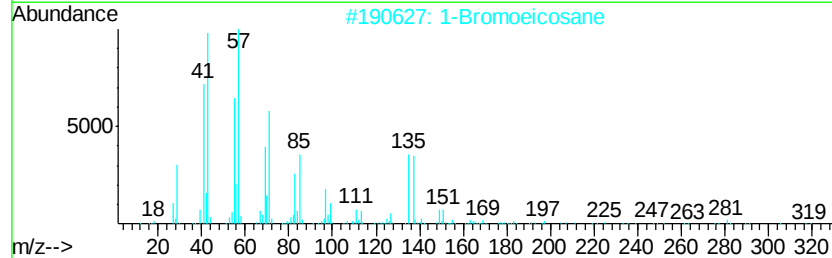
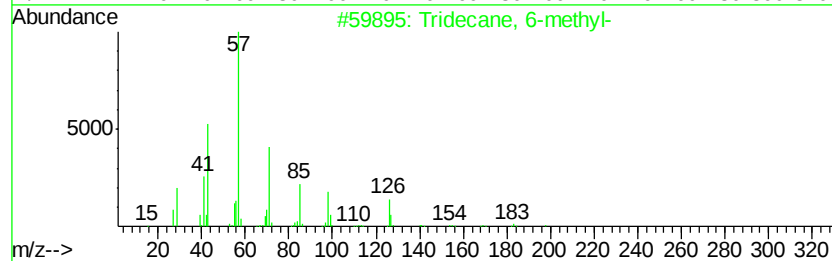
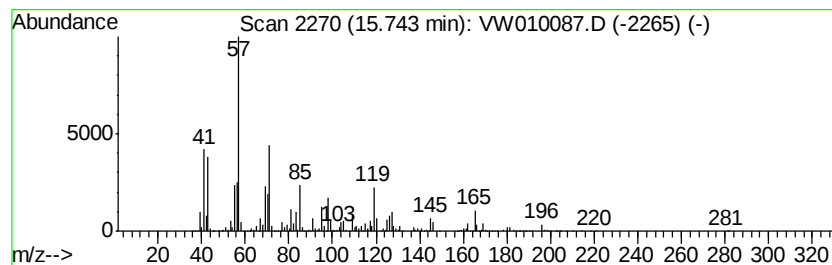
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	57.83 ug/L	12210500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	58
2		1-Bromoeicosane	360	C20H41Br	004276-49-7	47
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	46
4		Undecane	156	C11H24	001120-21-4	43
5		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

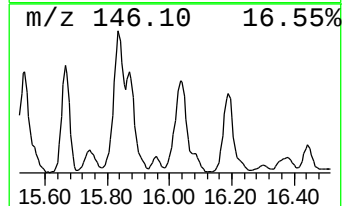
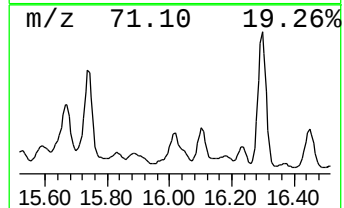
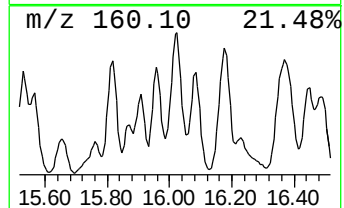
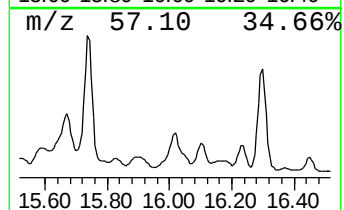
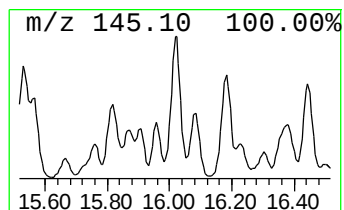
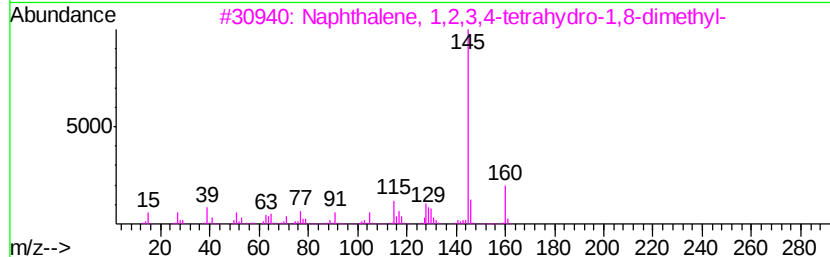
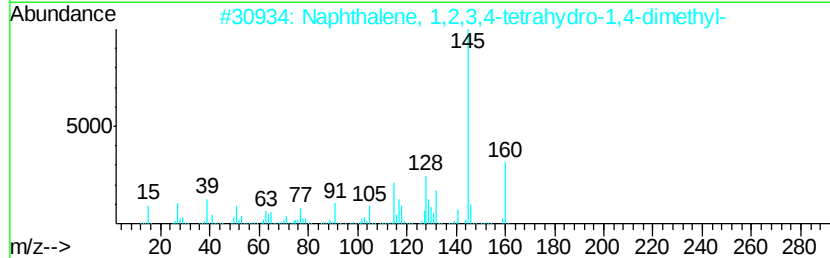
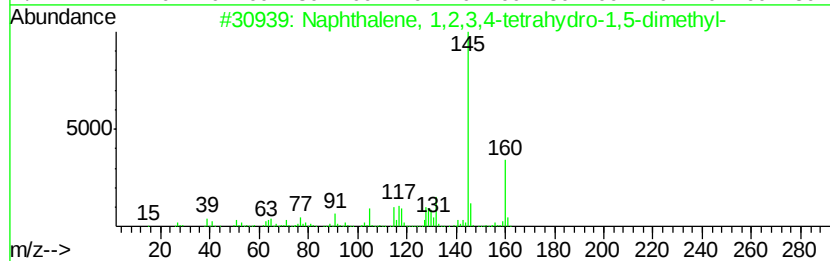
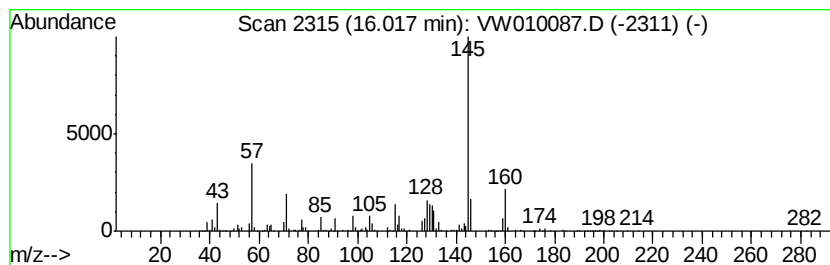
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Quant Title : VOC Analysis

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

Peak Number 62 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	34.40 ug/L	7263430	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	81
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	76
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	74
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	74
5		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

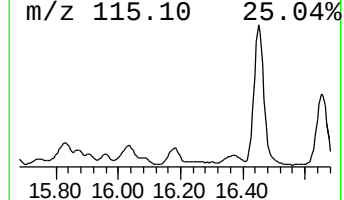
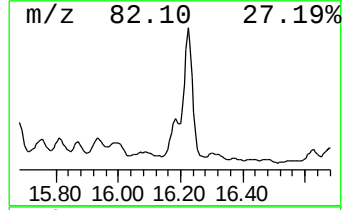
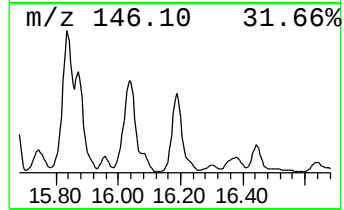
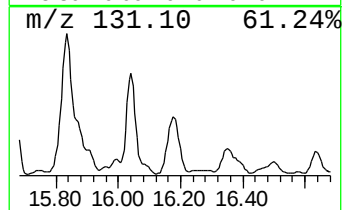
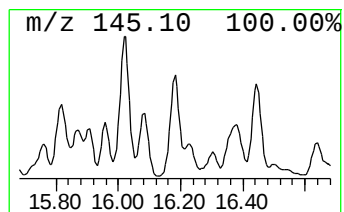
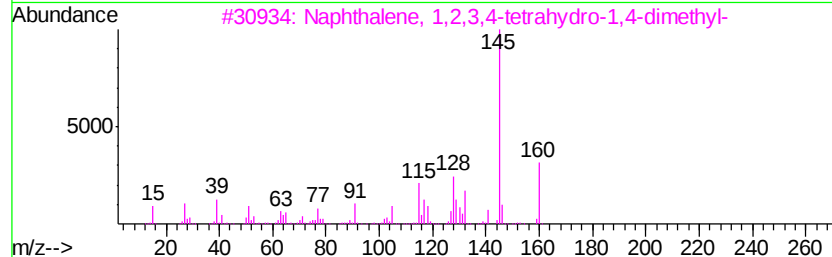
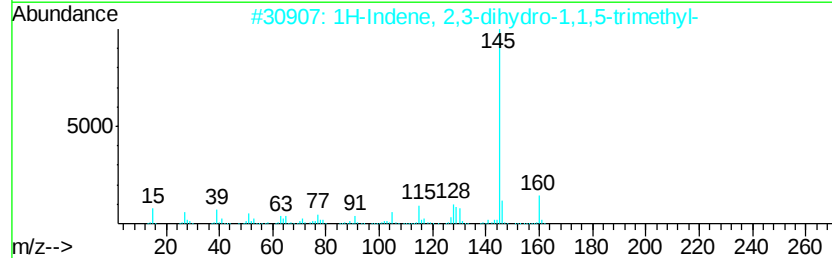
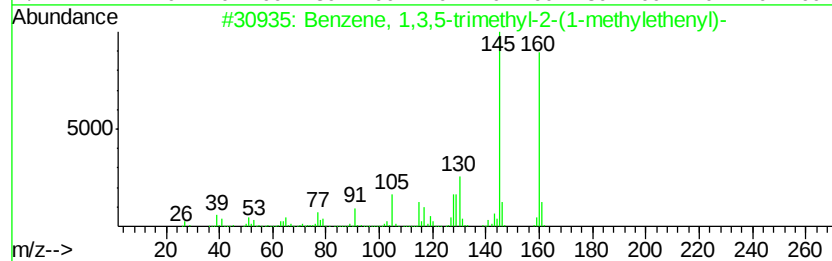
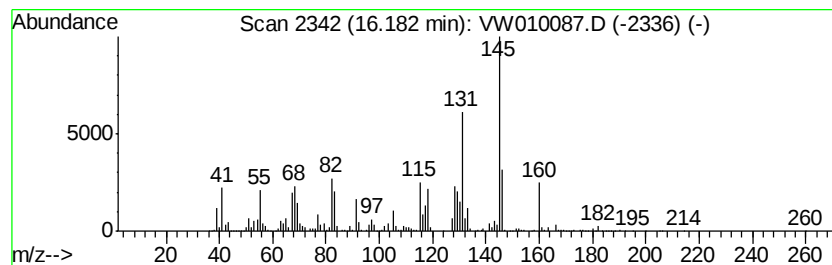
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Quant Title : VOC Analysis

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

Peak Number 63 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	39.36 ug/L	8311020	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
2		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	62
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	62
4		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	62
5		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

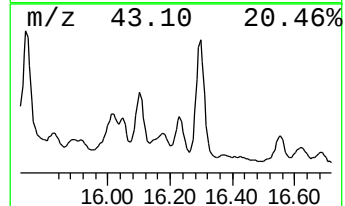
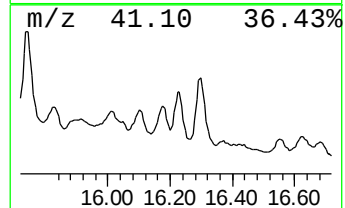
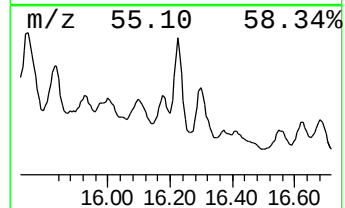
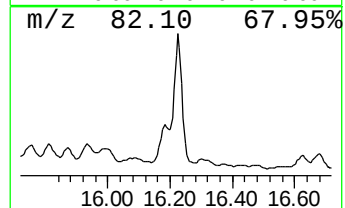
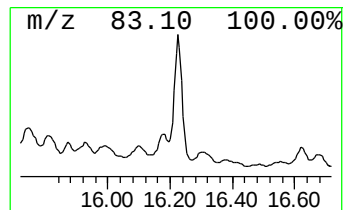
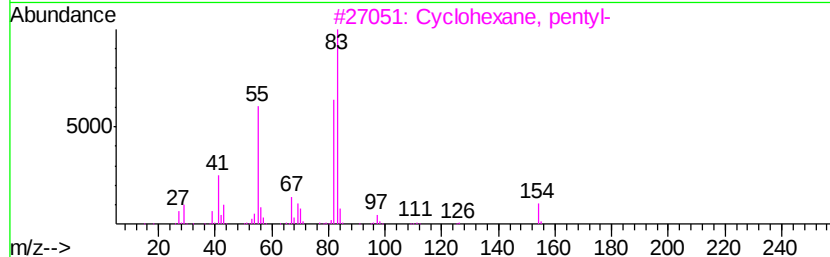
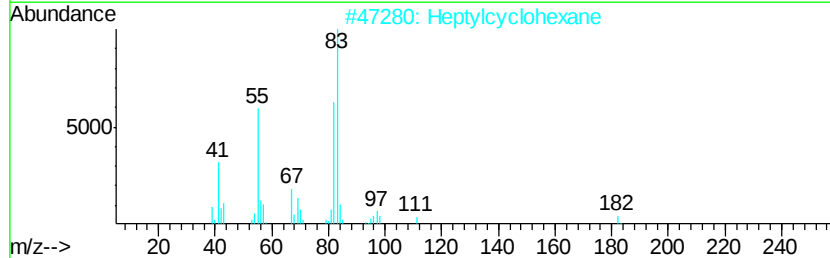
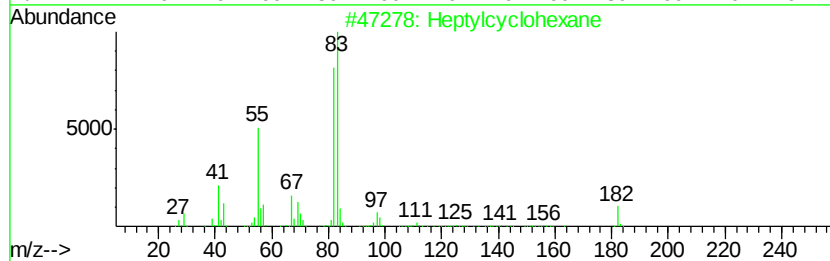
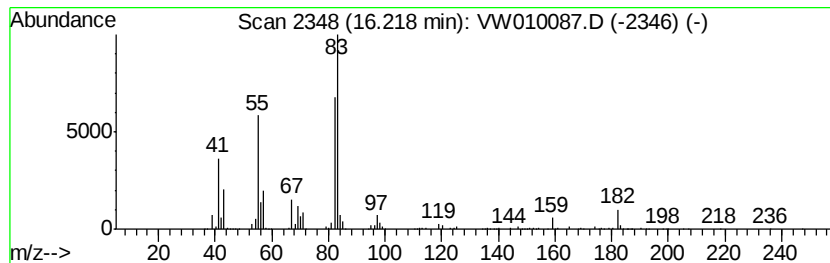
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Quant Title : VOC Analysis

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

Peak Number 64 (DEL) Alkane: Cyclic16.22 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	25.86 ug/L	5459730	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	87
2		Heptylcyclohexane	182	C13H26	005617-41-4	80
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
5		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042219\
Data File : VW010087.D
Acq On : 22 Apr 2019 18:00
Operator : SY/VA
Sample : K2455-18RE
Misc : 5.08G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

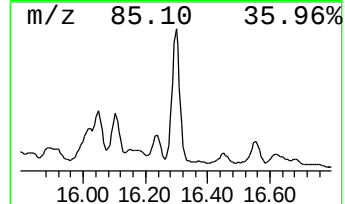
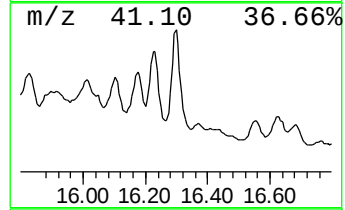
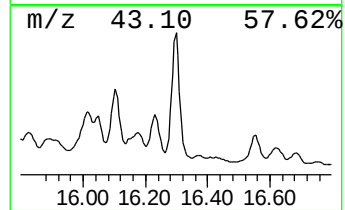
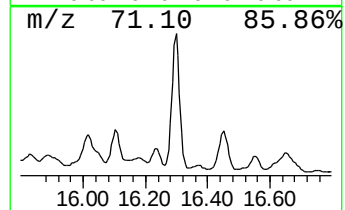
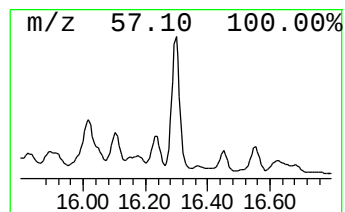
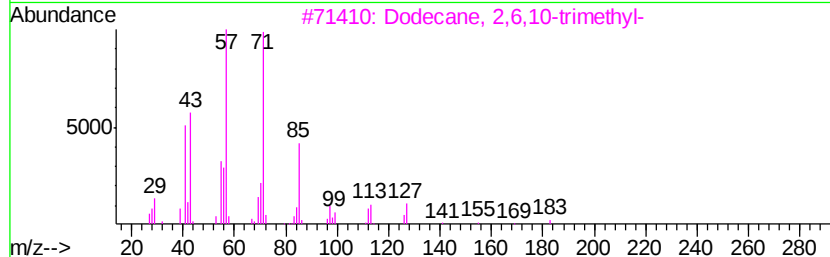
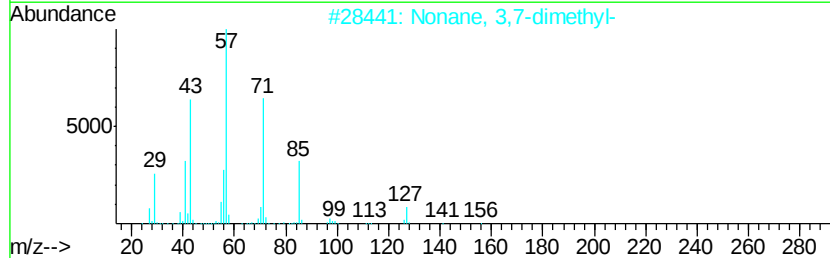
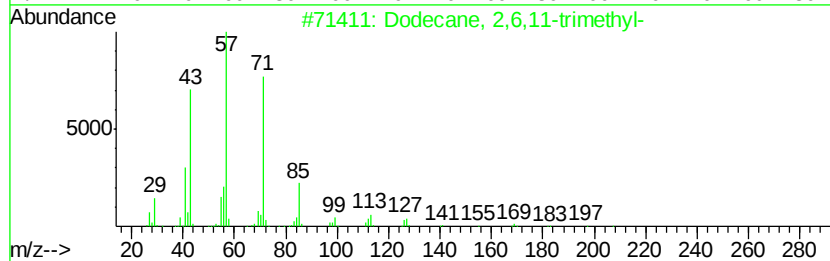
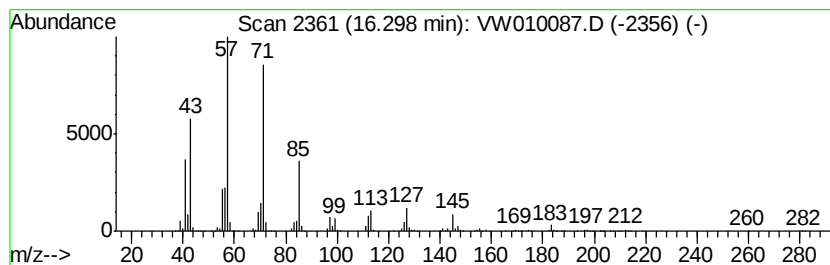
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Quant Title : VOC Analysis

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	35.77 ug/L	7551700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042219\
 Data File : VW010087.D
 Acq On : 22 Apr 2019 18:00
 Operator : SY/VA
 Sample : K2455-18RE
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR8RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.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
unknown-01	2.16	1.7	ug/L	53210	1	8.84	776393	25.0
(DEL) Alkane: Str...	5.93	1.6	ug/L	50132	1	8.84	776393	25.0
unknown-02	11.11	18.0	ug/L	377135	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.18	42.3	ug/L	883940	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.23	91.9	ug/L	1921680	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.34	68.5	ug/L	1433260	2	11.63	522797	25.0
(DEL) Alkane: Str...	11.41	158.3	ug/L	3309880	2	11.63	522797	25.0
(DEL) Alkane: Str...	11.51	143.3	ug/L	2997270	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.77	38.3	ug/L	801142	2	11.63	522797	25.0
(DEL) Alkane: Str...	11.80	100.0	ug/L	2090810	2	11.63	522797	25.0
(DEL) Alkane: Str...	11.84	141.5	ug/L	2958920	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.87	136.0	ug/L	2844920	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.91	122.8	ug/L	2569080	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	11.98	86.8	ug/L	1814380	2	11.63	522797	25.0
(DEL) Alkane: Cyc...	12.14	338.8	ug/L	7085550	2	11.63	522797	25.0
(DEL) Alkane: Str...	12.26	415.8	ug/L	8695340	2	11.63	522797	25.0
(DEL) Alkane: Str...	12.37	1454.9	ug/L	30425500	2	11.63	522797	25.0
(DEL) Alkane: Str...	12.54	172.7	ug/L	3610330	2	11.63	522797	25.0
Propanoic acid, 3...	12.62	9.1	ug/L	1917660	3	13.56	5278640	25.0
(DEL) Alkane: Cyc...	12.78	50.4	ug/L	10643800	3	13.56	5278640	25.0
(DEL) Alkane: Cyc...	12.86	28.9	ug/L	6099180	3	13.56	5278640	25.0
Tetradecane, 1-fl...	12.93	138.4	ug/L	29227100	3	13.56	5278640	25.0
Sulfurous acid, d...	12.99	26.0	ug/L	5498980	3	13.56	5278640	25.0
(DEL) Alkane: Cyc...	13.05	4.4	ug/L	926989	3	13.56	5278640	25.0
Benzene, 1-ethyl...	13.11	67.1	ug/L	14173300	3	13.56	5278640	25.0
(DEL) Alkane: Str...	13.17	89.9	ug/L	18988900	3	13.56	5278640	25.0
Benzene, 1,2,3-tr...	13.26	10.1	ug/L	2136540	3	13.56	5278640	25.0
(DEL) Alkane: Str...	13.30	6.9	ug/L	1464490	3	13.56	5278640	25.0
(DEL) Alkane: Str...	13.35	20.0	ug/L	4229290	3	13.56	5278640	25.0
(DEL) Alkane: Cyc...	13.45	90.8	ug/L	19170400	3	13.56	5278640	25.0
Hexane, 1-(hexylo...	13.49	41.8	ug/L	8815140	3	13.56	5278640	25.0
(DEL) Alkane: Str...	13.63	29.4	ug/L	6215490	3	13.56	5278640	25.0
(DEL) Alkane: Str...	13.71	29.3	ug/L	6188800	3	13.56	5278640	25.0
Benzene, 1-methyl...	13.75	13.0	ug/L	2742600	3	13.56	5278640	25.0
Benzene, 1-methyl...	13.80	32.8	ug/L	6933610	3	13.56	5278640	25.0
Sulfurous acid, c...	13.93	12.1	ug/L	2547370	3	13.56	5278640	25.0
Benzene, 1-ethyl...	14.04	52.5	ug/L	11078300	3	13.56	5278640	25.0
Benzene, 2-ethyl...	14.10	40.5	ug/L	8544550	3	13.56	5278640	25.0
(DEL) Alkane: Str...	14.14	47.8	ug/L	10085900	3	13.56	5278640	25.0
Benzene, (2-methy...	14.21	70.1	ug/L	14799100	3	13.56	5278640	25.0
unknown-03	14.27	35.0	ug/L	7382330	3	13.56	5278640	25.0
(DEL) Alkane: Str...	14.35	107.7	ug/L	22749000	3	13.56	5278640	25.0
(DEL) Alkane: Cyc...	14.40	133.9	ug/L	28275400	3	13.56	5278640	25.0
(DEL) Alkane: Str...	14.43	40.4	ug/L	8534580	3	13.56	5278640	25.0
Benzene, 1-ethyl...	14.46	25.7	ug/L	5432420	3	13.56	5278640	25.0
(DEL) Alkane: Str...	14.51	44.9	ug/L	9482320	3	13.56	5278640	25.0
Naphthalene, deca...	14.55	57.9	ug/L	12222100	3	13.56	5278640	25.0
Cyclopentane, 1,1...	14.61	9.2	ug/L	1940770	3	13.56	5278640	25.0
Benzene, (2-methy...	14.71	29.4	ug/L	6201130	3	13.56	5278640	25.0

unknown-04	14.74	21.0	ug/L	4435680	3	13.56	5278640	25.0
Benzene, 1,2,4,5-...	14.80	224.3	ug/L	47367300	3	13.56	5278640	25.0
(DEL) Alkane: Str...	14.85	210.2	ug/L	44383900	3	13.56	5278640	25.0
Cyclohexane, (bro...	14.93	22.7	ug/L	4788120	3	13.56	5278640	25.0
Benzene, (1-methy...	15.07	44.7	ug/L	9429550	3	13.56	5278640	25.0
1H-Indene, 2,3-di...	15.11	13.6	ug/L	2865040	3	13.56	5278640	25.0
Benzene, 1-methyl...	15.19	129.5	ug/L	27346900	3	13.56	5278640	25.0
Bacchotricuneatin c	15.33	143.0	ug/L	30202700	3	13.56	5278640	25.0
(DEL) Alkane: Str...	15.74	57.8	ug/L	12210500	3	13.56	5278640	25.0
Naphthalene, 1,2,...	16.02	34.4	ug/L	7263430	3	13.56	5278640	25.0
Benzene, 1,3,5-tr...	16.18	39.4	ug/L	8311020	3	13.56	5278640	25.0
(DEL) Alkane: Cyc...	16.22	25.9	ug/L	5459730	3	13.56	5278640	25.0
(DEL) Alkane: Str...	16.30	35.8	ug/L	7551700	3	13.56	5278640	25.0

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE