

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010121.D
 Acq On : 24 Apr 2019 21:03
 Operator : SY/VA
 Sample : K2481-20
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX3

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\SOM2WLM042419S.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	2.148	37	40	47	rBV2	8803	14440	0.02%	0.002%
2	2.349	68	73	90	rVB	64321	157680	0.18%	0.023%
3	2.885	154	161	174	rBV	59277	183207	0.21%	0.026%
4	4.007	333	345	357	rBV2	170809	607860	0.70%	0.087%
5	4.123	358	364	374	rVB2	32309	91974	0.11%	0.013%
6	4.385	396	407	408	rBV5	8405	22662	0.03%	0.003%
7	4.672	449	454	457	rBV5	1259	2584	0.00%	0.000%
8	4.903	478	492	514	rBV3	43498	192101	0.22%	0.027%
9	5.172	530	536	548	rVB5	5637	20349	0.02%	0.003%
10	5.293	552	556	557	rBV3	1889	1603	0.00%	0.000%
11	5.361	562	567	568	rBV4	1230	1610	0.00%	0.000%
12	5.921	654	659	661	rBV2	2873	3777	0.00%	0.001%
13	6.086	684	686	687	rVV2	1589	1395	0.00%	0.000%
14	6.110	688	690	691	rVV2	1880	1550	0.00%	0.000%
15	6.141	691	695	698	rVV6	1429	2711	0.00%	0.000%
16	6.452	743	746	750	rBV4	1013	1438	0.00%	0.000%
17	6.604	768	771	774	rVV3	1091	1705	0.00%	0.000%
18	6.976	826	832	840	rBV3	3311	8744	0.01%	0.001%
19	7.074	840	848	859	rBV	71522	204984	0.23%	0.029%
20	7.250	875	877	887	rVB3	4905	9471	0.01%	0.001%
21	7.531	921	923	925	rBV4	1900	2174	0.00%	0.000%
22	7.647	932	942	958	rVB	332858	897819	1.03%	0.128%
23	7.884	979	981	984	rVB4	1115	1414	0.00%	0.000%
24	7.939	984	990	991	rBV6	2159	3818	0.00%	0.001%
25	8.134	1016	1022	1025	rBV4	1381	2013	0.00%	0.000%
26	8.269	1034	1044	1047	rBV	679383	1469653	1.68%	0.210%
27	8.317	1048	1052	1062	rVB3	976855	2140821	2.45%	0.306%
28	8.555	1085	1091	1100	rVB2	13441	31203	0.04%	0.004%
29	8.707	1107	1116	1123	rVB4	6635	17767	0.02%	0.003%
30	8.842	1128	1138	1148	rBV	815107	1628164	1.86%	0.232%
31	8.921	1149	1151	1158	rVB5	6711	12087	0.01%	0.002%
32	9.073	1165	1176	1188	rVB	91535	196376	0.22%	0.028%
33	9.165	1188	1191	1194	rVB4	1179	1798	0.00%	0.000%
34	9.274	1199	1209	1218	rBV	485414	997971	1.14%	0.143%

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 Title : VOC Analysis

35	9.659	1267	1272	1276	rBV6	5172	10944	0.01%	0.002%
36	9.756	1283	1288	1295	rVB8	6936	14926	0.02%	0.002%
37	9.848	1299	1303	1305	rBV4	4718	5951	0.01%	0.001%
38	9.890	1306	1310	1316	rVB4	7643	15099	0.02%	0.002%
39	9.957	1317	1321	1325	rBV5	5471	8279	0.01%	0.001%
40	10.030	1327	1333	1341	rVV	218787	386725	0.44%	0.055%
41	10.201	1356	1361	1366	rBV3	14206	26129	0.03%	0.004%
42	10.323	1373	1381	1385	rBV	807807	1421289	1.63%	0.203%
43	10.384	1385	1391	1403	rVV	5482047	9588463	10.97%	1.369%
44	10.500	1403	1410	1416	rVV2	66129	137282	0.16%	0.020%
45	10.573	1417	1422	1428	rVV	139905	242483	0.28%	0.035%
46	10.646	1428	1434	1442	rVB2	36504	81497	0.09%	0.012%
47	10.756	1447	1452	1460	rVB10	13878	36785	0.04%	0.005%
48	10.847	1463	1467	1473	rVB6	10475	21445	0.02%	0.003%
49	10.927	1473	1480	1491	rBV	315941	572587	0.66%	0.082%
50	11.177	1517	1521	1525	rVB	47836	69231	0.08%	0.010%
51	11.231	1525	1530	1536	rBV2	86590	180444	0.21%	0.026%
52	11.335	1543	1547	1551	rBV3	59608	100719	0.12%	0.014%
53	11.414	1556	1560	1571	rVB6	105431	312866	0.36%	0.045%
54	11.512	1571	1576	1580	rBV	124044	188083	0.22%	0.027%
55	11.634	1589	1596	1605	rBV	835574	1494833	1.71%	0.213%
56	11.731	1606	1612	1620	rBV	1443571	2389353	2.73%	0.341%
57	11.841	1621	1630	1639	rVV	4515317	8770196	10.04%	1.252%
58	11.993	1647	1655	1660	rBV4	174701	488502	0.56%	0.070%
59	12.170	1671	1684	1692	rBV3	7918226	16780164	19.21%	2.396%
60	12.256	1694	1698	1702	rVB	557812	819701	0.94%	0.117%
61	12.365	1702	1716	1723	rBV3	1038933	3843680	4.40%	0.549%
62	12.652	1760	1763	1766	rBV	335445	420182	0.48%	0.060%
63	12.695	1767	1770	1775	rVB2	421787	619872	0.71%	0.089%
64	12.786	1780	1785	1791	rVB2	876554	1721735	1.97%	0.246%
65	12.865	1792	1798	1801	rBV	2949212	5351930	6.13%	0.764%
66	12.902	1801	1804	1806	rVV	3676822	5559826	6.36%	0.794%
67	12.945	1806	1811	1817	rVB2	19519086	33440343	38.27%	4.775%
68	13.109	1830	1838	1844	rBV	6669780	12950208	14.82%	1.849%
69	13.170	1844	1848	1855	rVB2	2027457	3229791	3.70%	0.461%
70	13.255	1856	1862	1866	rBV	6293314	10249093	11.73%	1.463%
71	13.304	1866	1870	1874	rVV	9892040	14335763	16.41%	2.047%

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72	13.353	1874	1878	1886	rVB2	3580723	6150253	7.04%	0.878%
73	13.451	1888	1894	1898	rBV2	3193025	6247871	7.15%	0.892%
74	13.591	1909	1917	1922	rBV	23524854	38450029	44.01%	5.490%
75	13.719	1933	1938	1940	rBV3	2118615	3559514	4.07%	0.508%
76	13.755	1940	1944	1947	rVV2	5967915	10073670	11.53%	1.438%
77	13.792	1947	1950	1956	rVV2	7504860	12216863	13.98%	1.744%
78	13.877	1960	1964	1969	rVV	13831676	20045129	22.94%	2.862%
79	13.944	1969	1975	1982	rVV2	12236769	21435933	24.53%	3.061%
80	14.018	1983	1987	1988	rVV	3404894	4377608	5.01%	0.625%
81	14.042	1989	1991	1998	rVV3	5684457	13445706	15.39%	1.920%
82	14.103	1998	2001	2005	rVV	7968344	10664628	12.21%	1.523%
83	14.146	2005	2008	2014	rVB3	5230120	9271273	10.61%	1.324%
84	14.237	2014	2023	2028	rBV2	10852379	26505533	30.34%	3.785%
85	14.347	2036	2041	2045	rBV3	4268917	8347278	9.55%	1.192%
86	14.395	2045	2049	2051	rBV3	3779700	5566140	6.37%	0.795%
87	14.463	2057	2060	2064	rVB	9756278	13190224	15.10%	1.883%
88	14.505	2064	2067	2071	rVB2	5253484	6884675	7.88%	0.983%
89	14.560	2071	2076	2081	rBV4	8478034	14260913	16.32%	2.036%
90	14.694	2094	2098	2100	rBV2	5172548	7502619	8.59%	1.071%
91	14.731	2100	2104	2109	rVB	22501489	31809170	36.41%	4.542%
92	14.804	2110	2116	2121	rBV2	21145662	45552445	52.14%	6.505%
93	14.962	2136	2142	2149	rVB	34049666	58013541	66.40%	8.284%
94	15.072	2156	2160	2164	rVB2	4450620	6544533	7.49%	0.935%
95	15.334	2199	2203	2207	rBV2	8135203	12128144	13.88%	1.732%
96	15.566	2237	2241	2249	rVB	22726169	37001216	42.35%	5.283%
97	16.298	2358	2361	2367	rVB	4877104	7946455	9.10%	1.135%
98	16.450	2381	2386	2391	rBV2	6913999	14028110	16.06%	2.003%
99	16.511	2391	2396	2401	rVB	9586301	16906428	19.35%	2.414%
100	16.657	2412	2420	2431	rVB	36057583	87369267	100.00%	12.476%

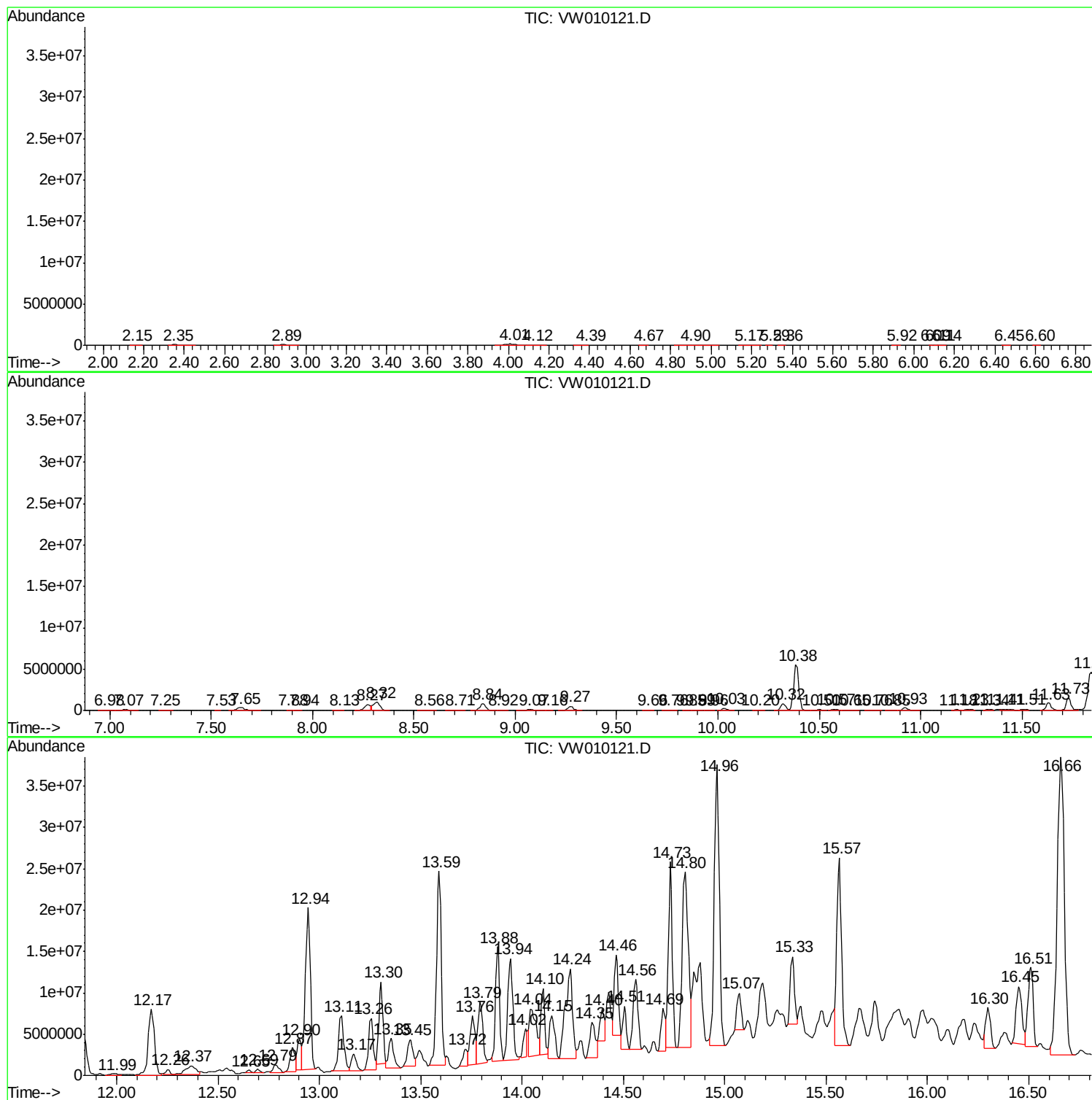
Sum of corrected areas: 700316490

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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



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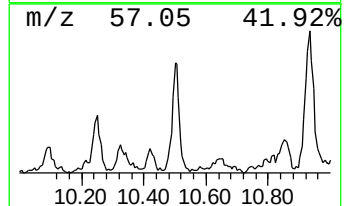
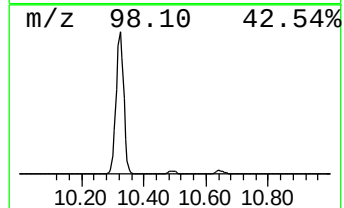
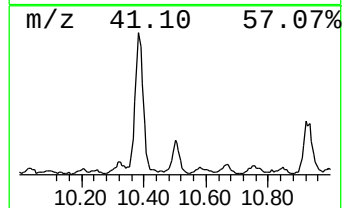
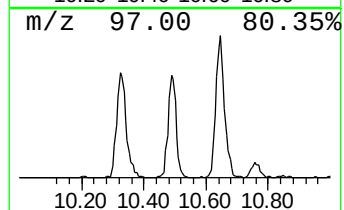
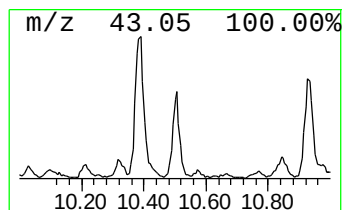
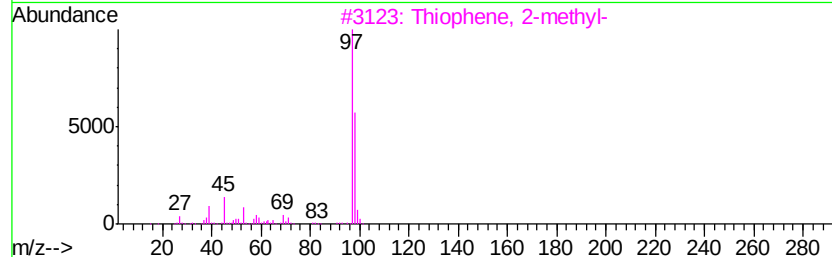
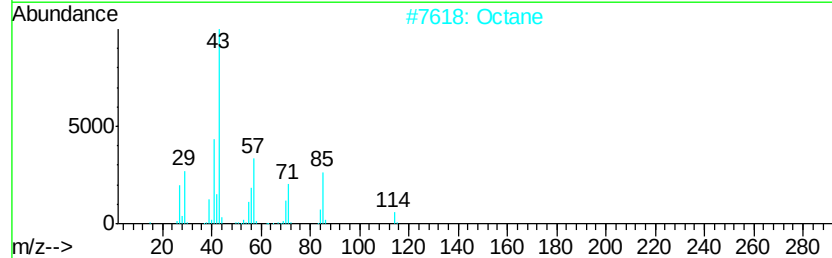
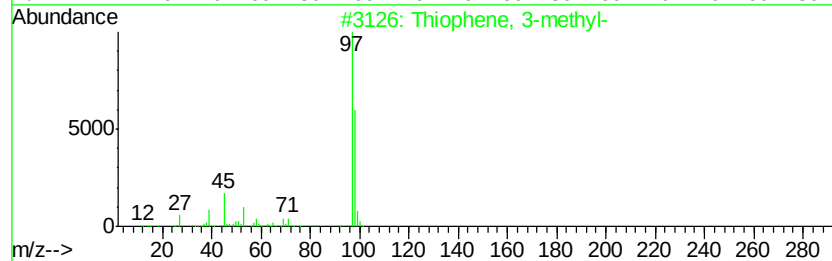
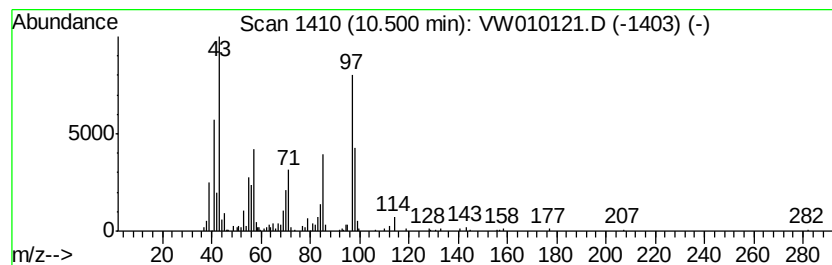
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 3 Thiophene, 3-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	2.30 ug/L	137282	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	50
2		Octane	114	C8H18	000111-65-9	50
3		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	46
4		Octane	114	C8H18	000111-65-9	45
5		1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	43



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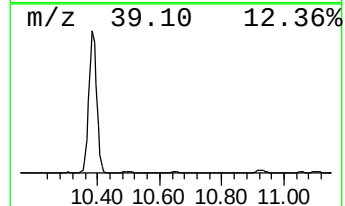
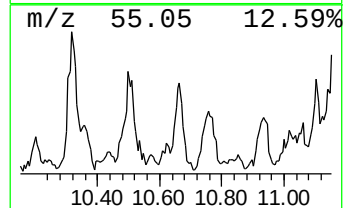
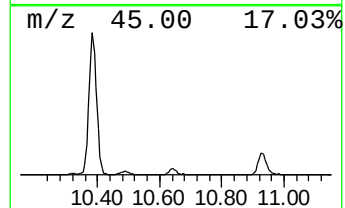
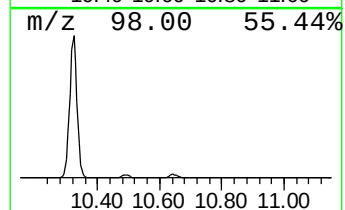
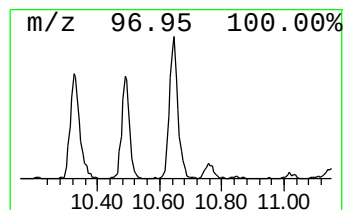
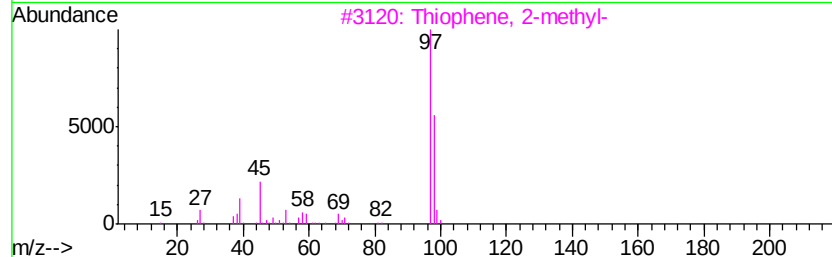
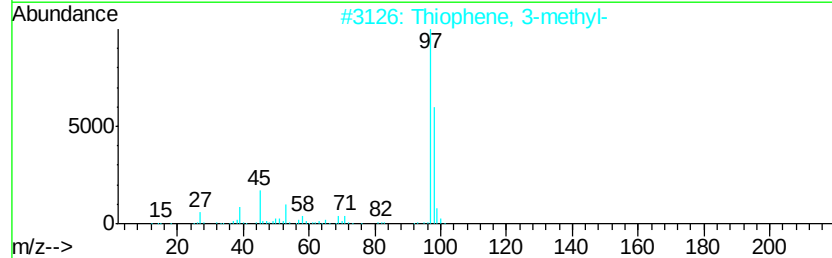
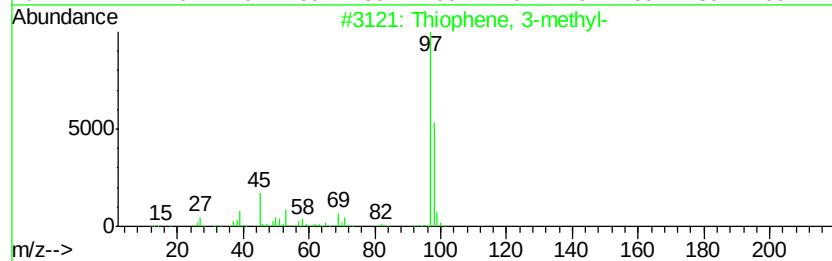
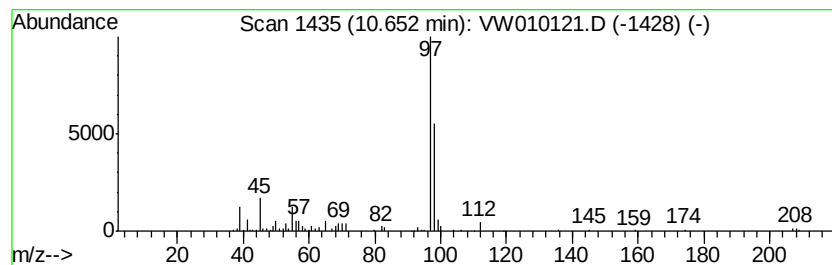
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Quant Title : VOC Analysis

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

Peak Number 4 Thiophene, 2-(3-methylbutyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	1.36 ug/L	81497	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	97
2		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
3		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
4		Thiophene, 2-(3-methylbutyl)-	154	C9H14S	026963-33-7	78
5		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	70



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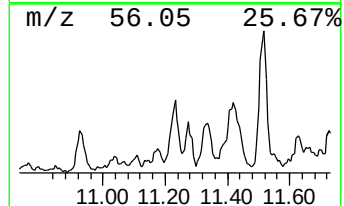
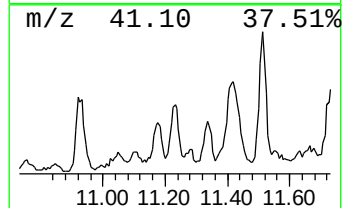
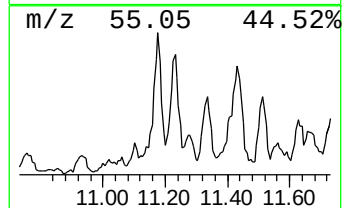
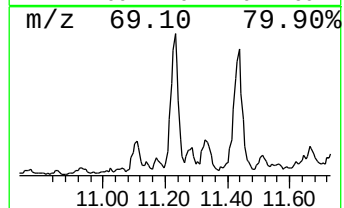
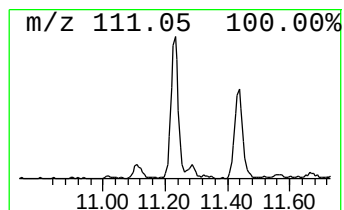
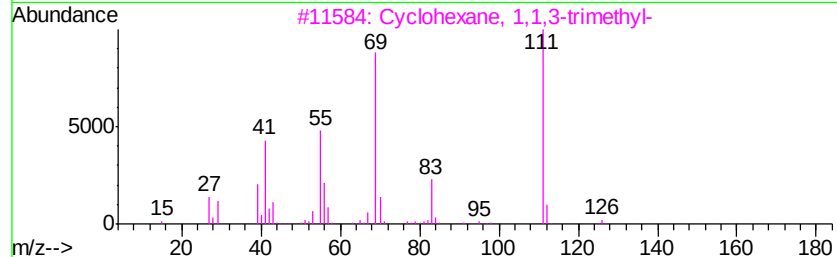
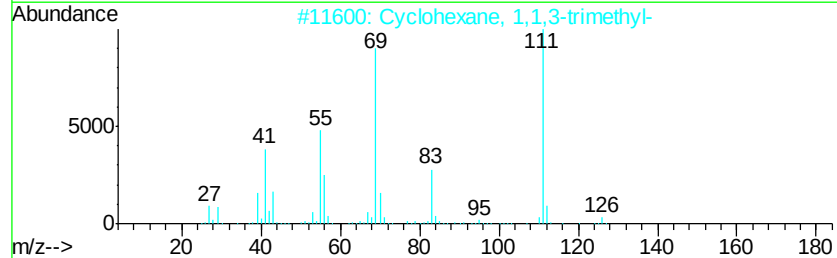
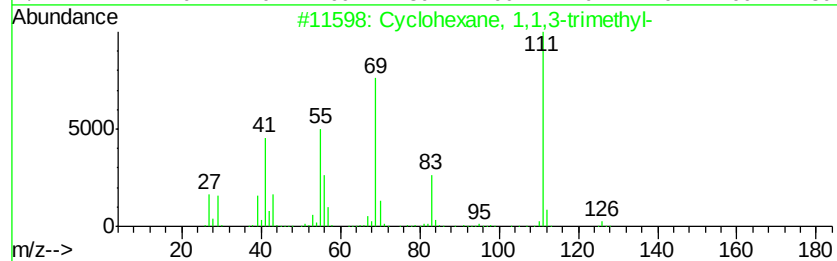
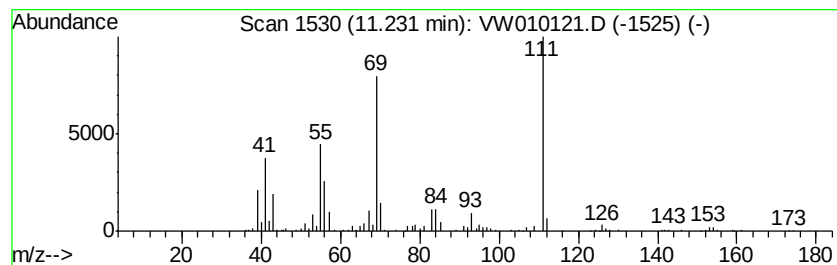
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Cyclic11.23 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.02 ug/L	180444	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
5		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

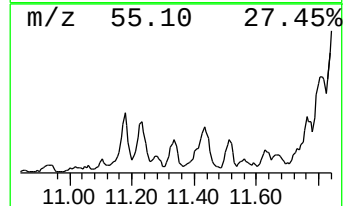
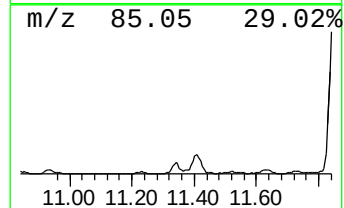
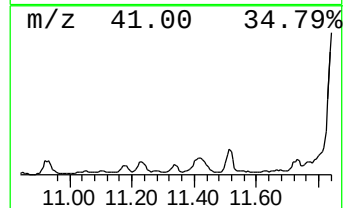
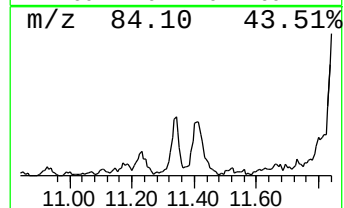
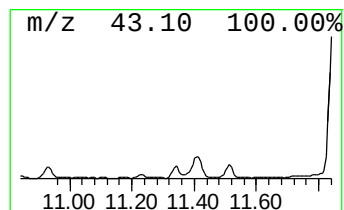
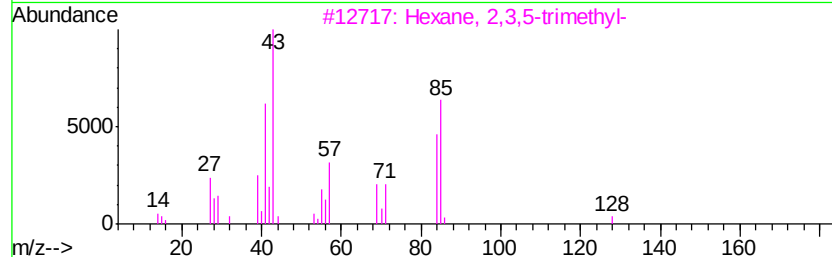
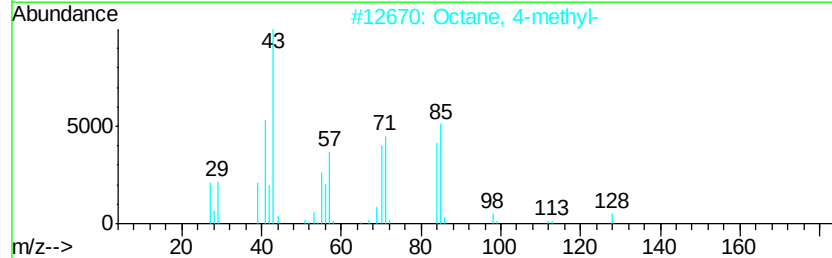
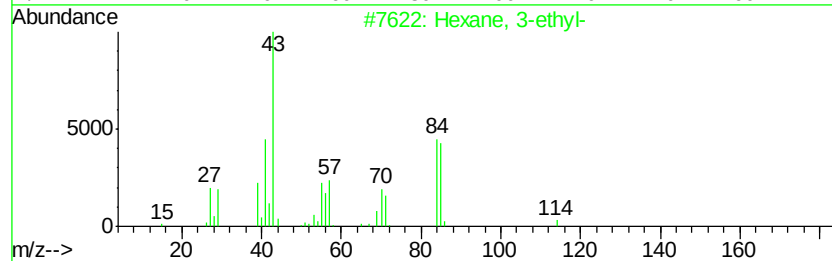
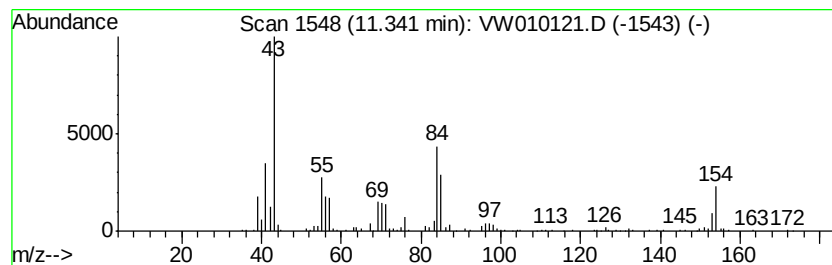
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	1.68 ug/L	100719	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
2		Octane, 4-methyl-	128	C9H20	002216-34-4	43
3		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	38
5		Piperidine	85	C5H11N	000110-89-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

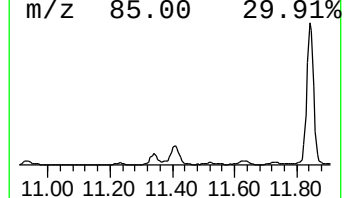
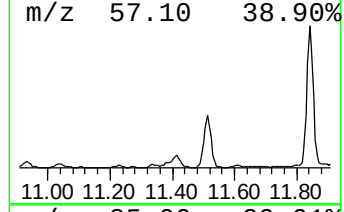
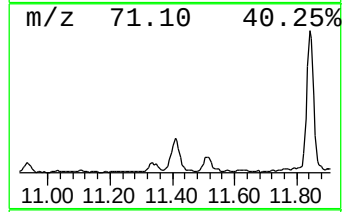
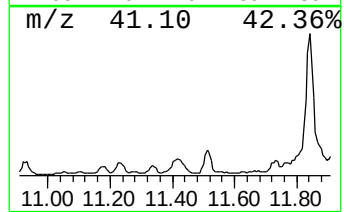
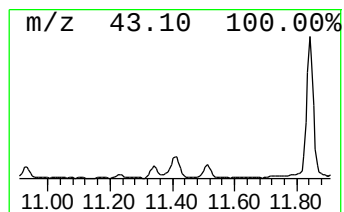
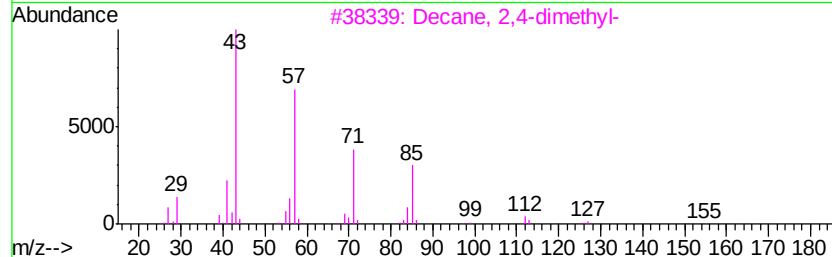
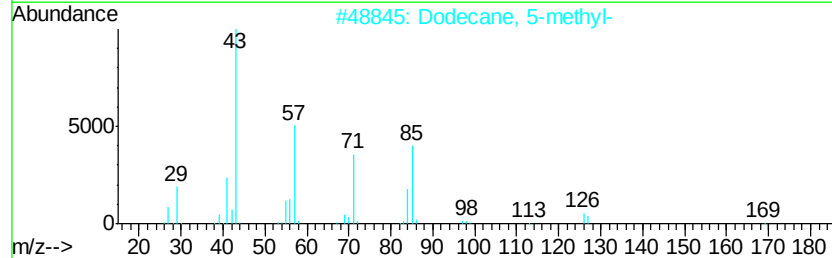
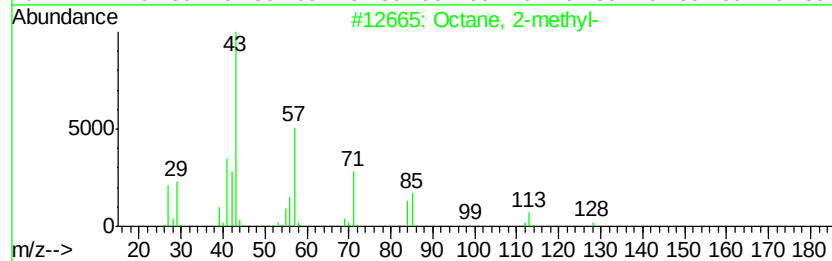
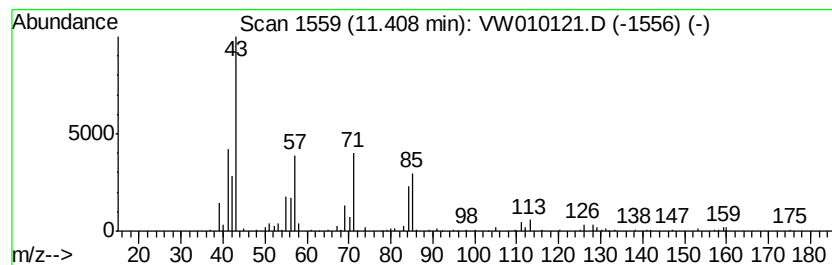
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	5.23 ug/L	312866	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	59
2		Dodecane, 5-methyl-	184	C13H28	017453-93-9	47
3		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	47
4		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	42
5		Octane, 2-methyl-	128	C9H20	003221-61-2	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

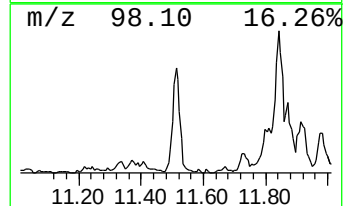
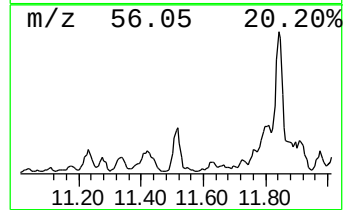
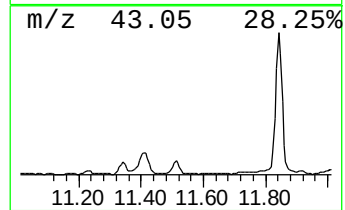
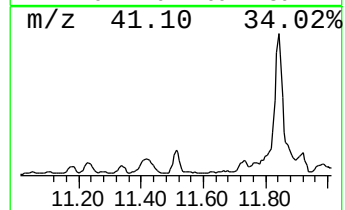
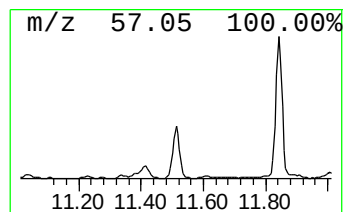
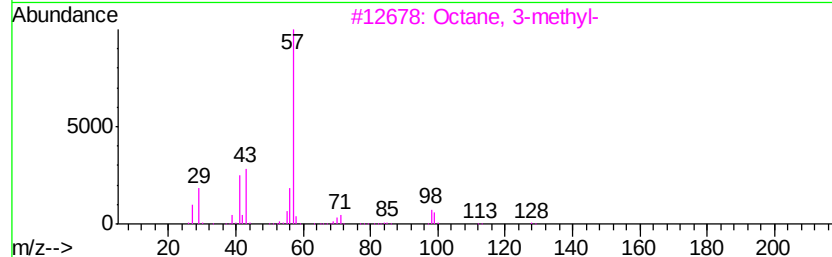
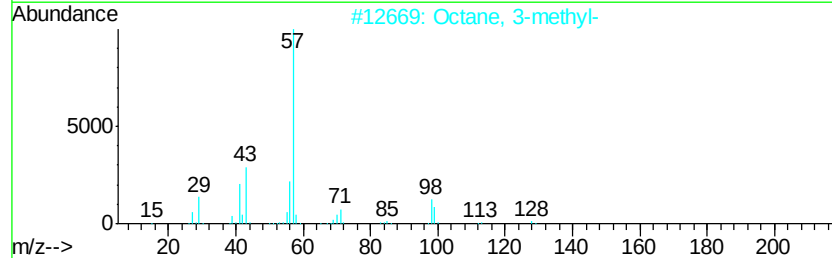
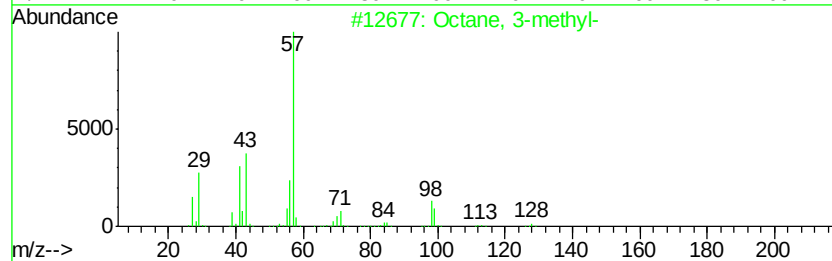
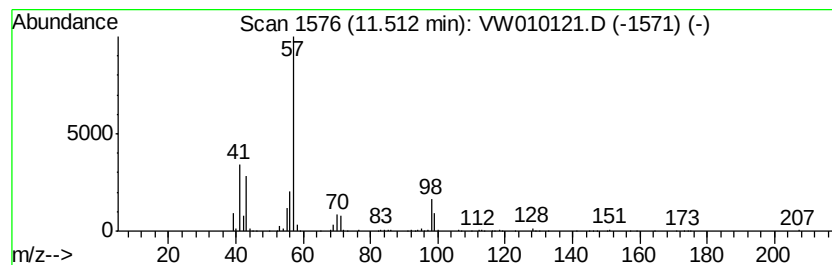
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	3.15 ug/L	188083	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	90
3		Octane, 3-methyl-	128	C9H20	002216-33-3	83
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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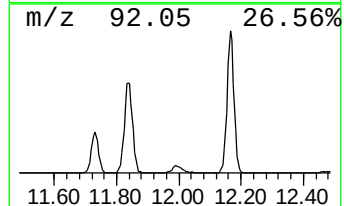
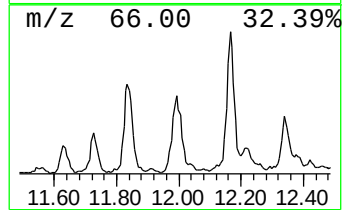
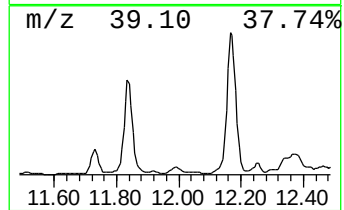
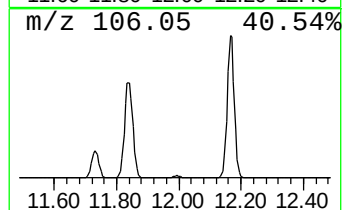
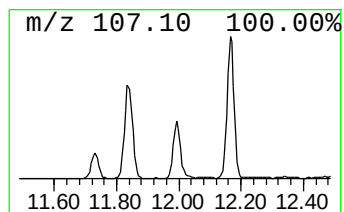
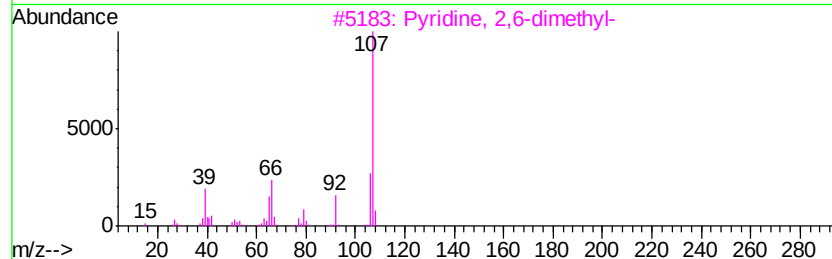
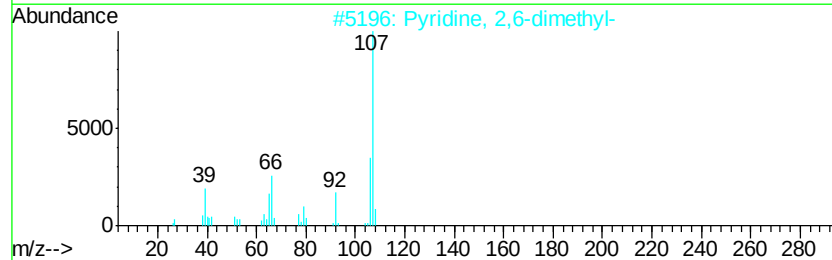
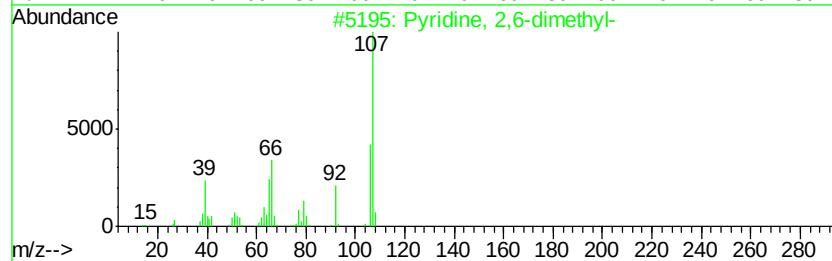
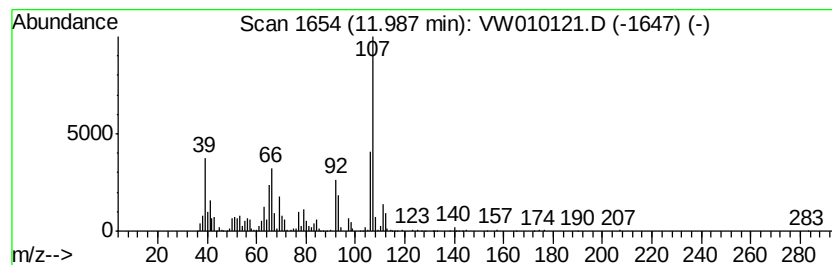
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Quant Title : VOC Analysis

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

Peak Number 9 Pyridine, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	8.17 ug/L	488502	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	97
2		Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	93
3		Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	90
4		Pyridine, 2,6-dimethyl-	107	C7H9N	000108-48-5	86
5		6-Amino-6-methylfulvene	107	C7H9N	000694-74-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

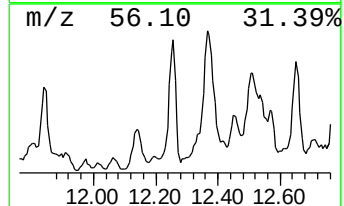
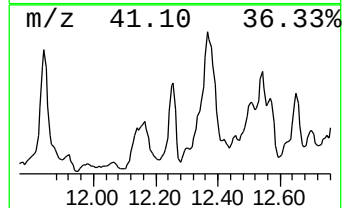
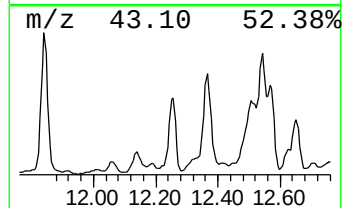
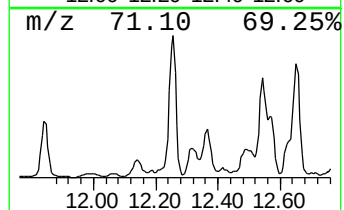
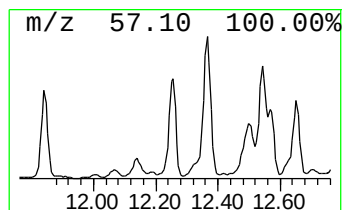
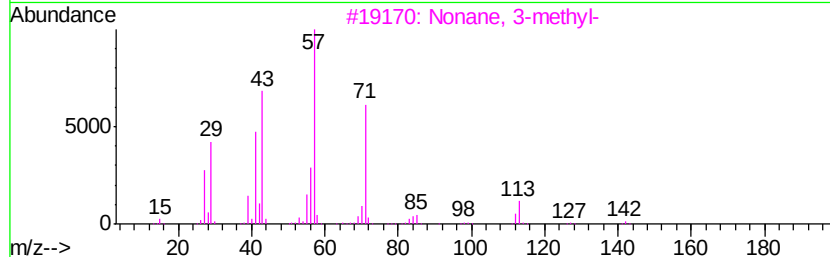
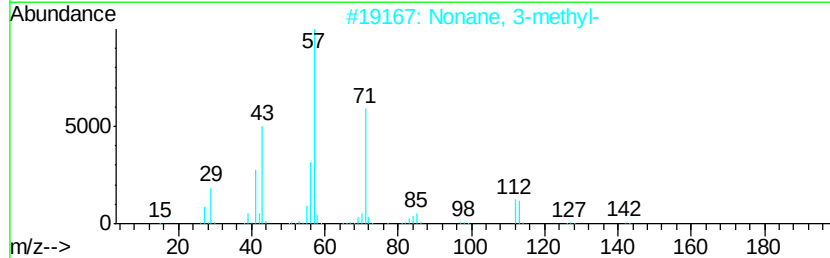
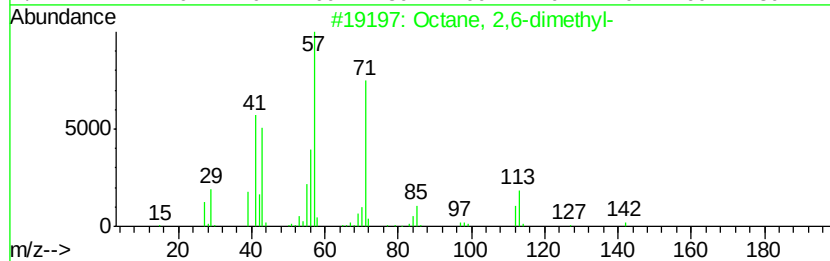
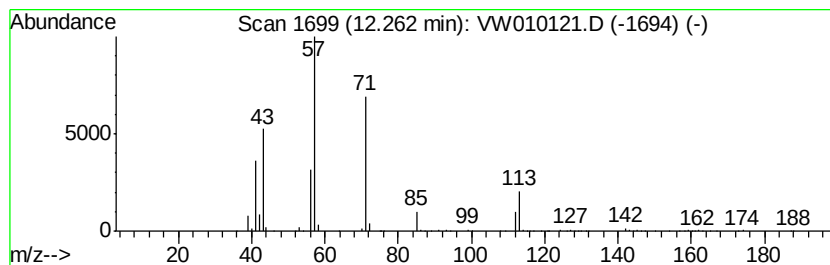
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	13.71 ug/L	819701	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	86
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	86
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
5		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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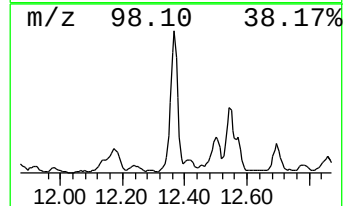
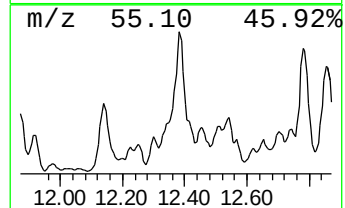
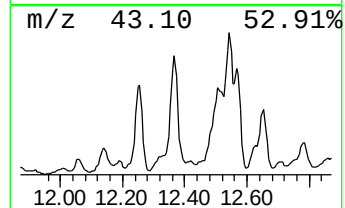
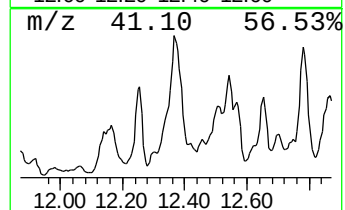
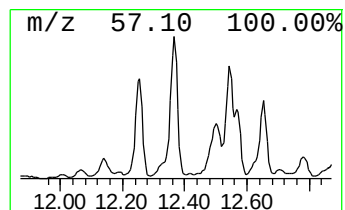
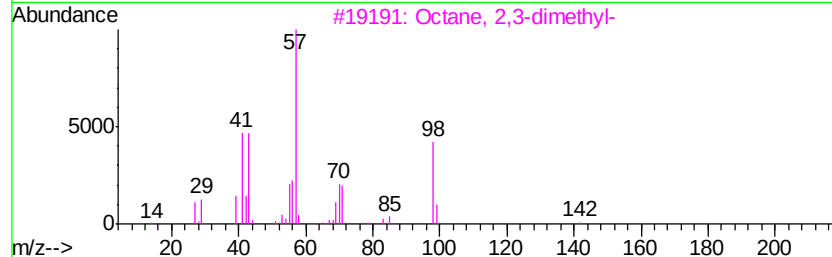
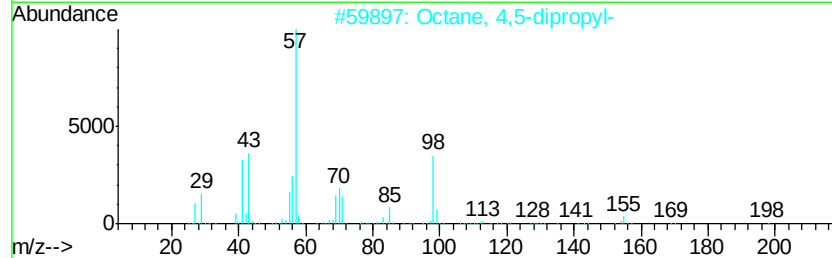
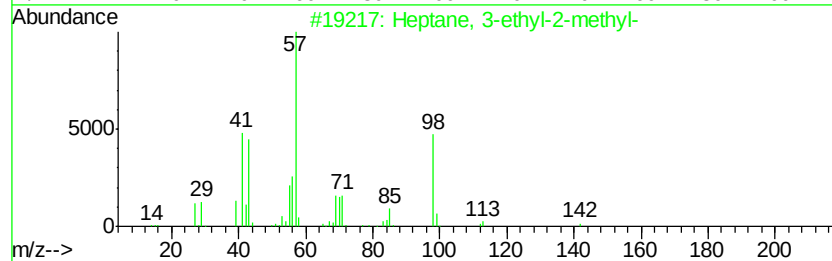
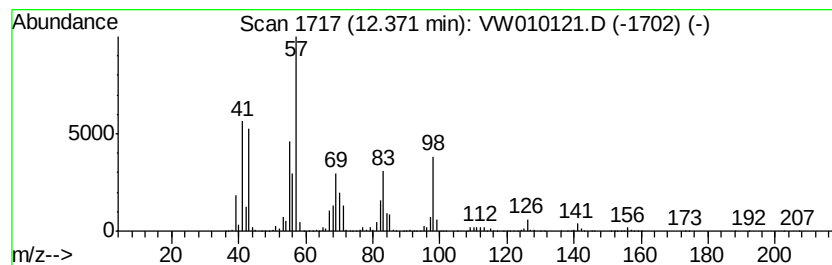
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	64.28 ug/L	3843680	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	81
2		Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	72
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	49
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	46
5		Ether, 6-methylheptyl vinyl	156	C10H20O	010573-35-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

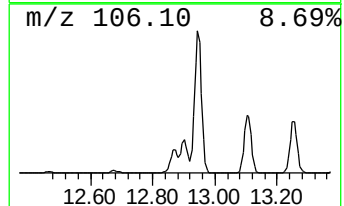
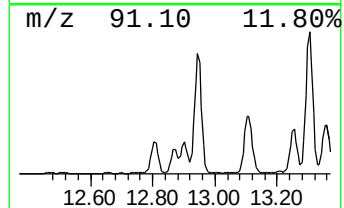
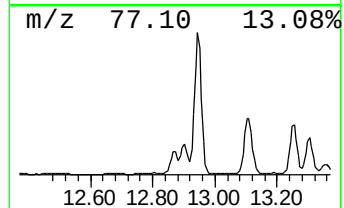
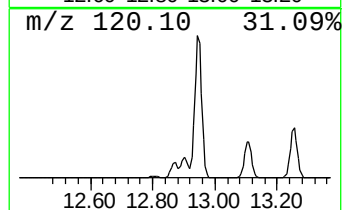
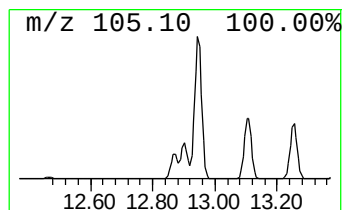
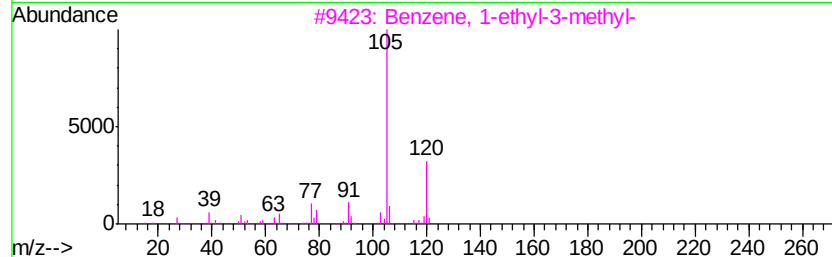
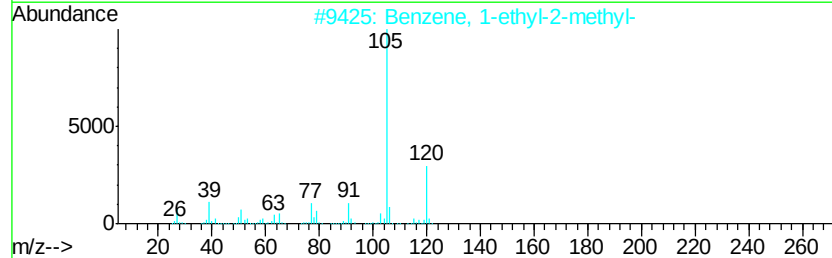
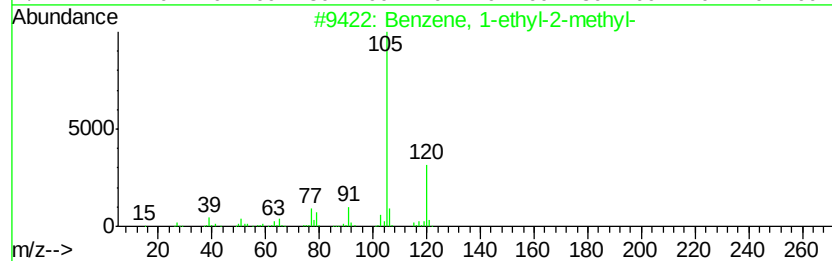
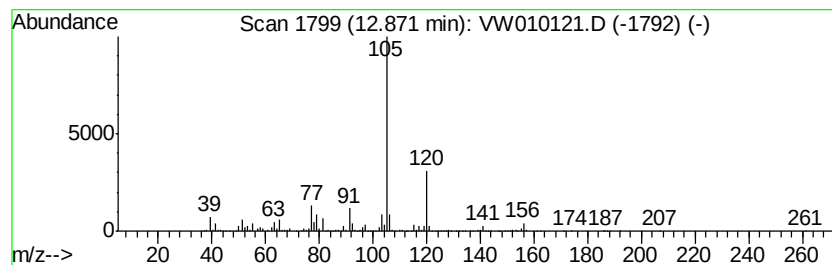
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.48 ug/L	5351930	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		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Mesitylene	120	C9H12	000108-67-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

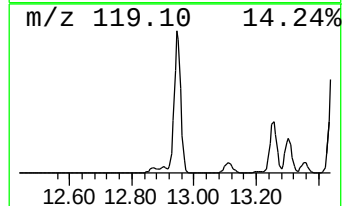
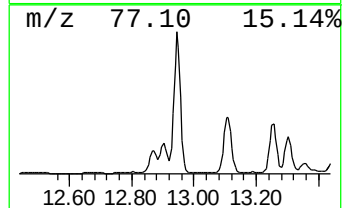
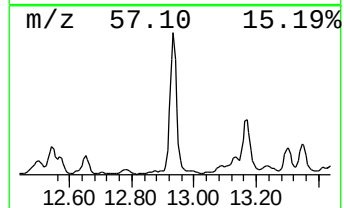
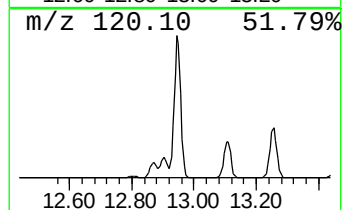
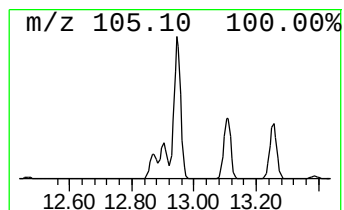
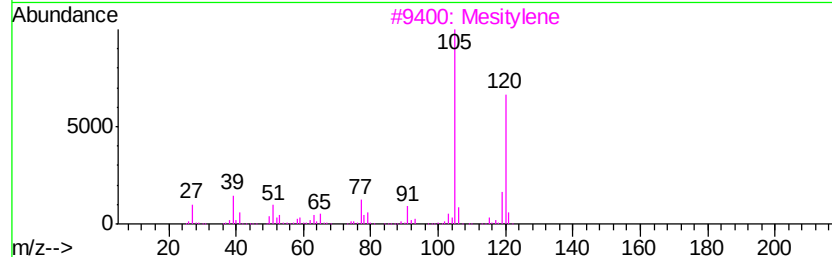
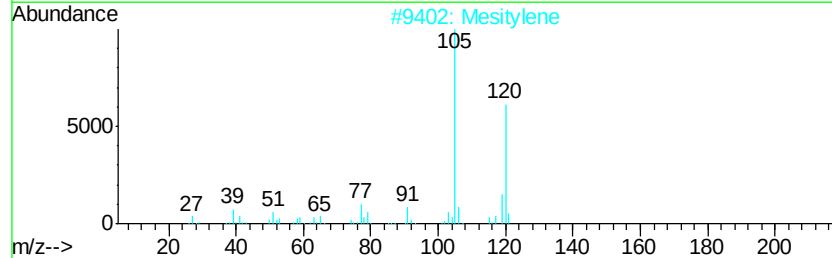
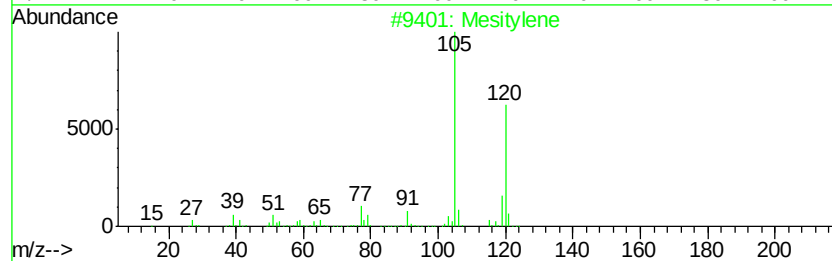
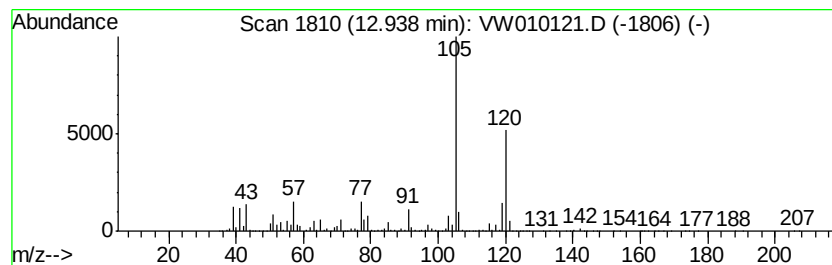
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Quant Title : VOC Analysis

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

Peak Number 14 Mesitylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	21.74 ug/L	33440300	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

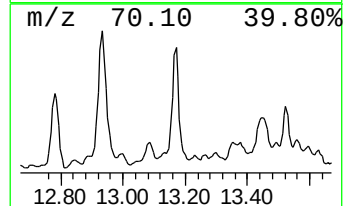
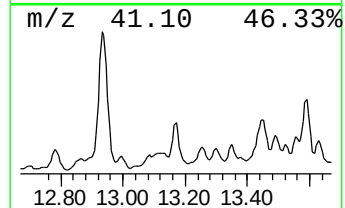
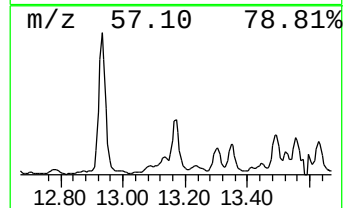
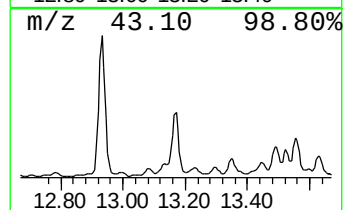
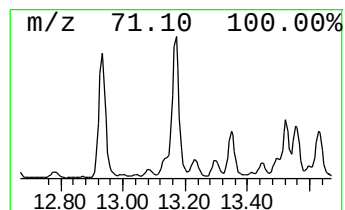
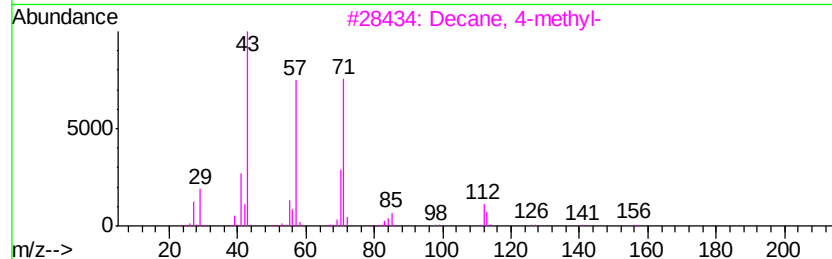
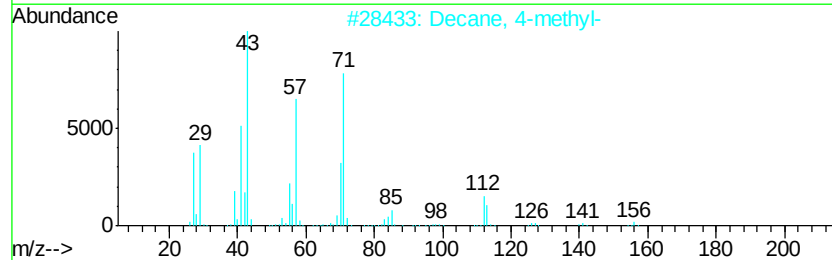
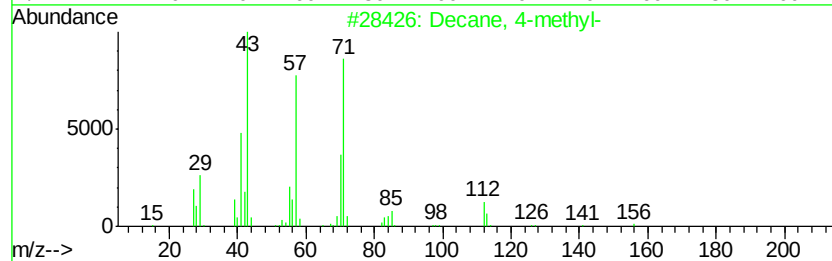
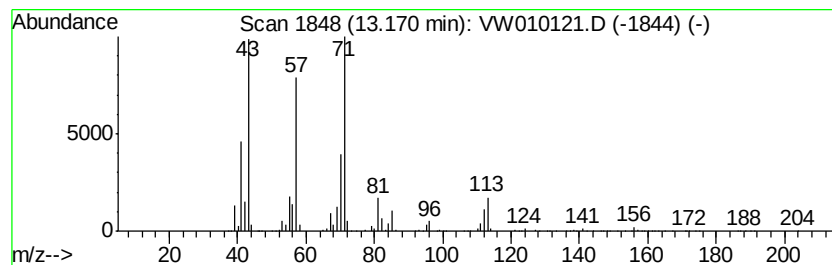
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.10 ug/L	3229790	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	90
2			Decane, 4-methyl-	156	C11H24	002847-72-5	87
3			Decane, 4-methyl-	156	C11H24	002847-72-5	78
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5			Undecane, 4-methyl-	170	C12H26	002980-69-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

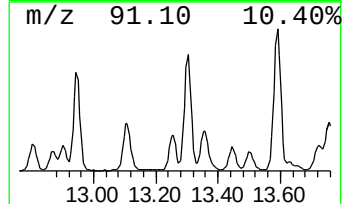
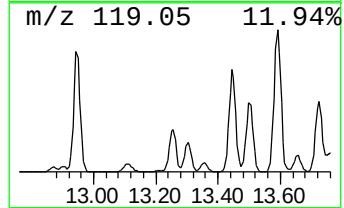
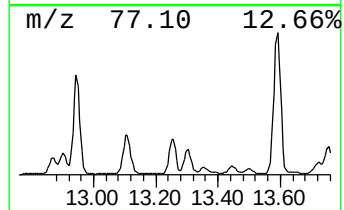
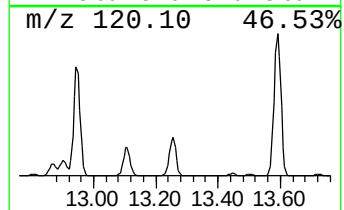
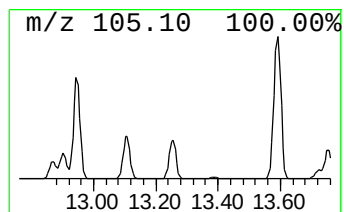
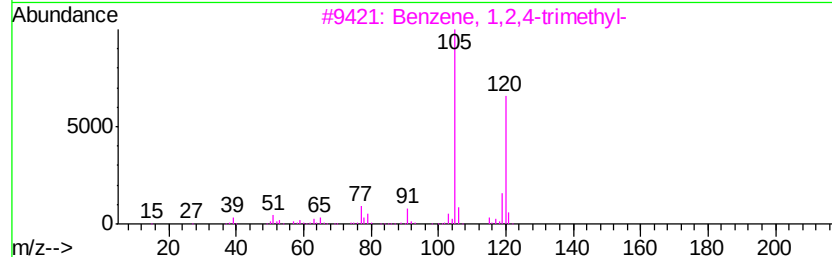
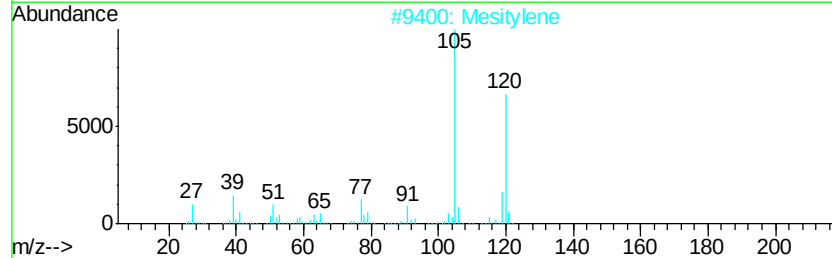
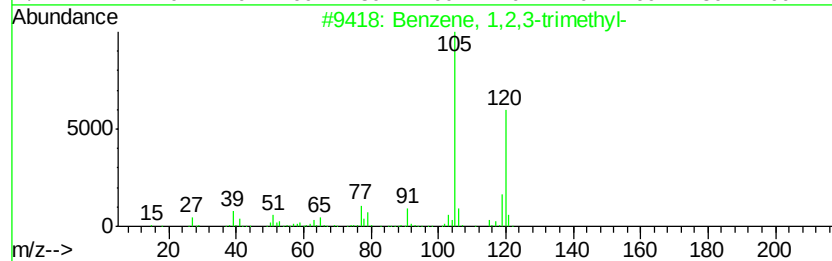
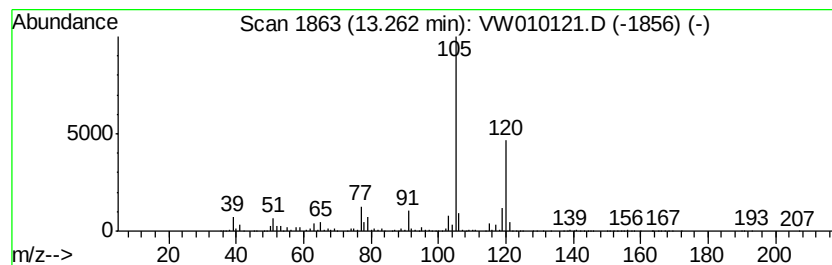
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	6.66 ug/L	10249100	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	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Mesitylene	120	C9H12	000108-67-8	94
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

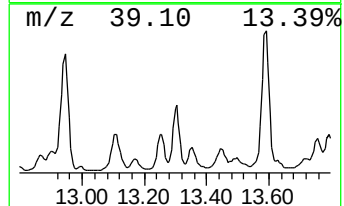
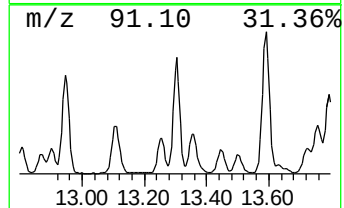
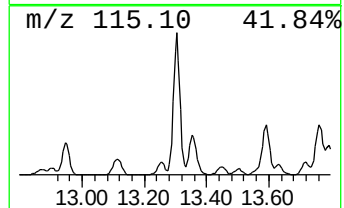
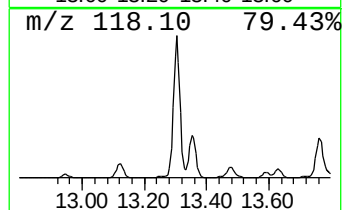
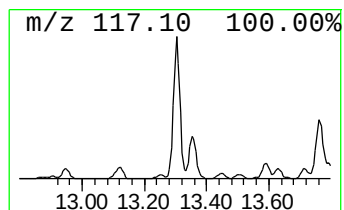
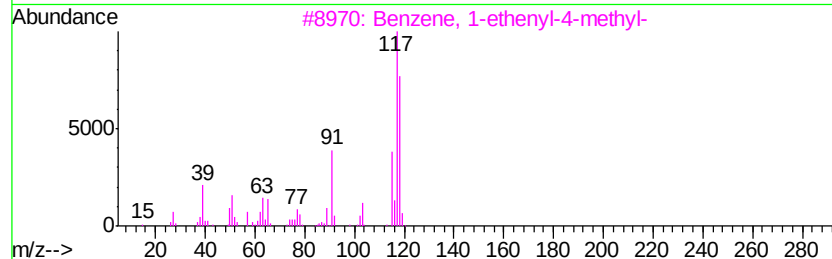
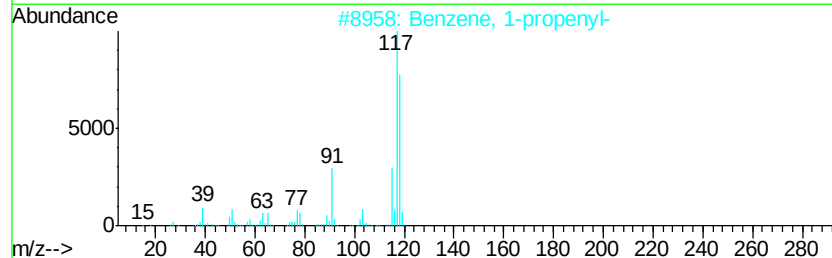
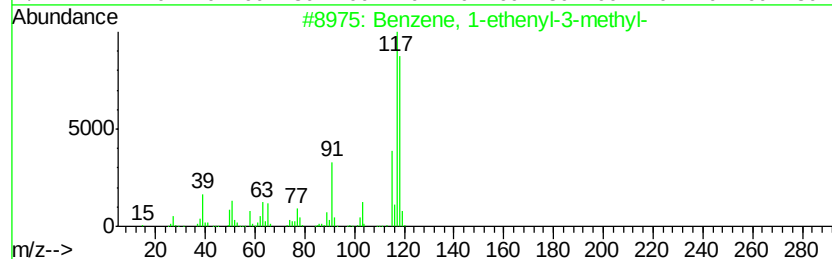
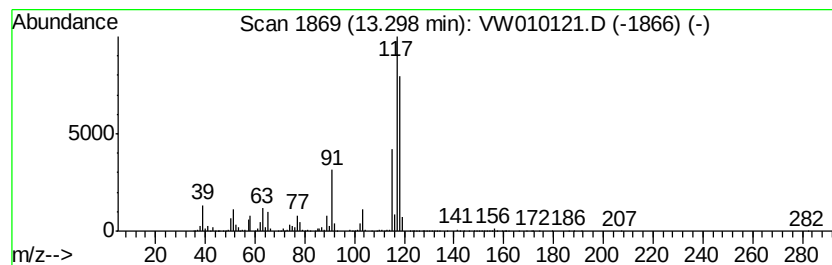
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-ethenyl-3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	9.32 ug/L	14335800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

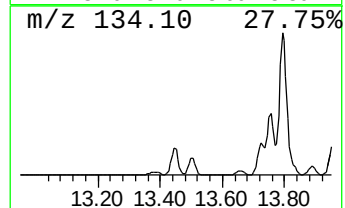
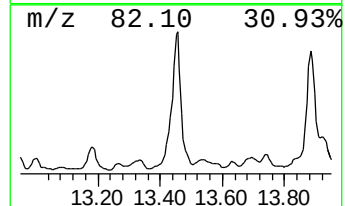
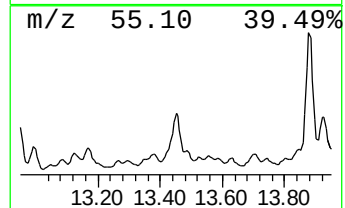
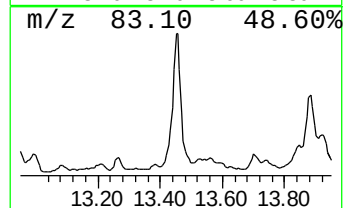
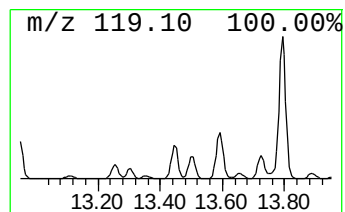
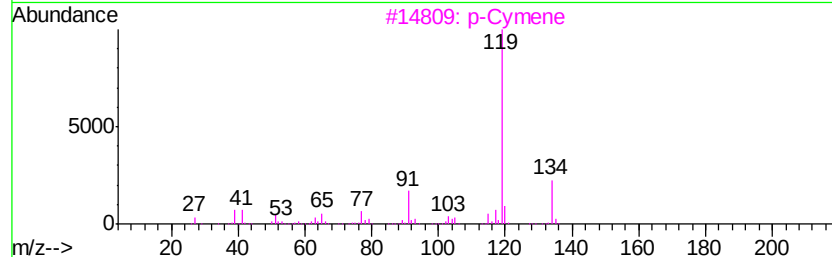
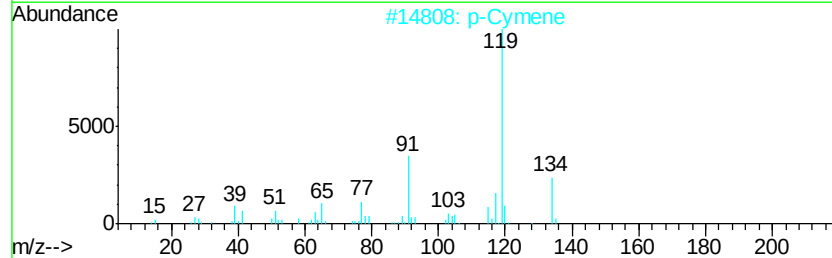
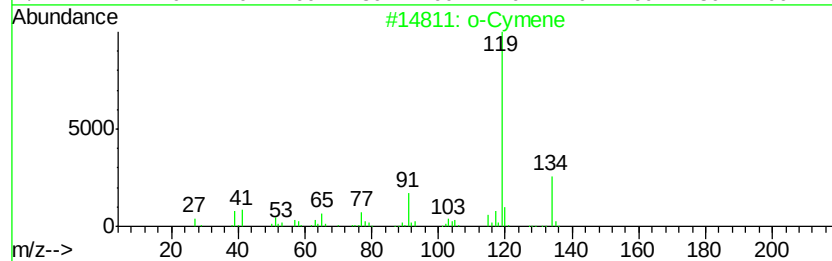
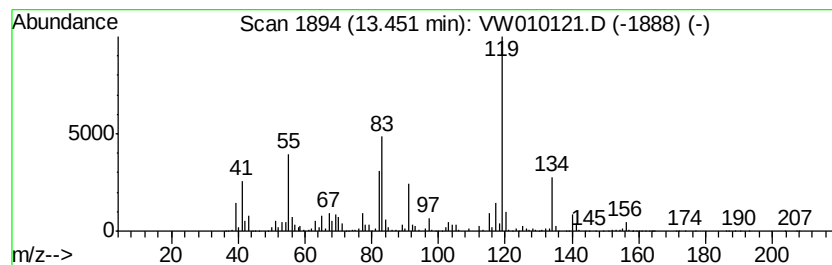
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Quant Title : VOC Analysis

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

Peak Number 20 o-Cymene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	4.06 ug/L	6247870	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	91
2		p-Cymene	134	C10H14	000099-87-6	90
3		p-Cymene	134	C10H14	000099-87-6	90
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

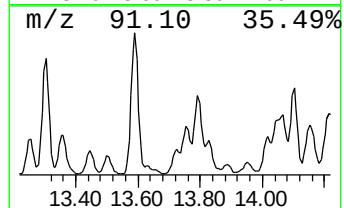
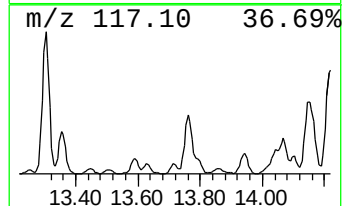
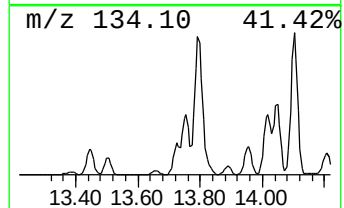
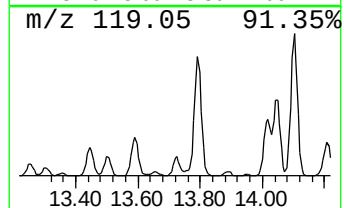
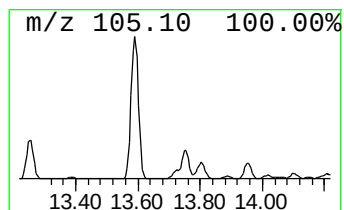
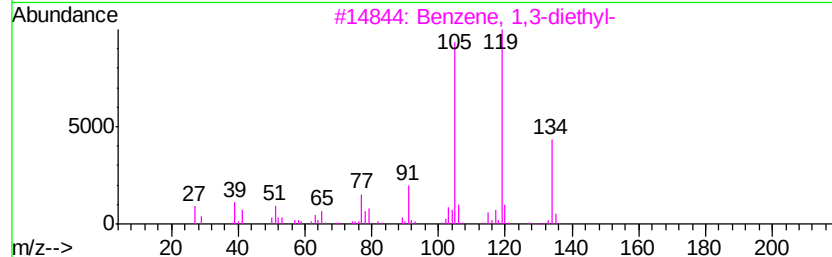
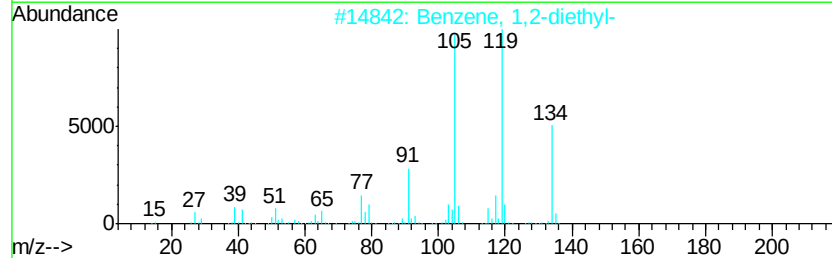
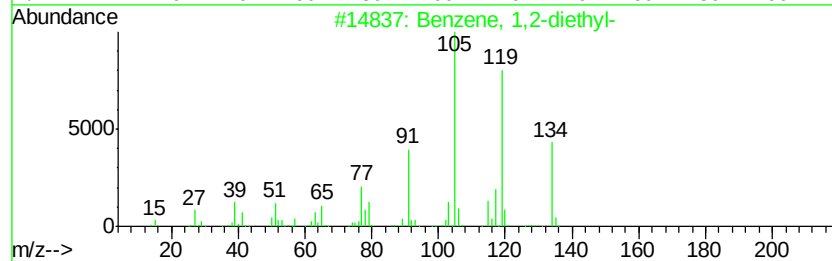
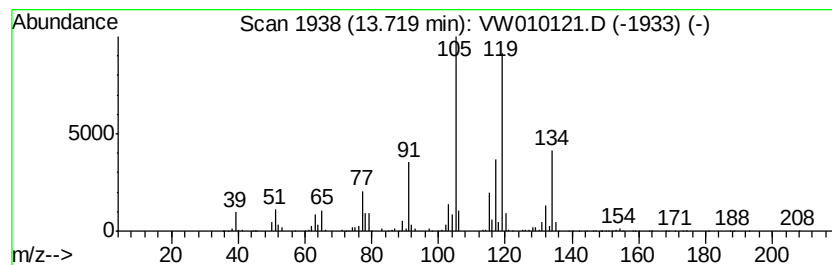
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,2-diethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.31 ug/L	3559510	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

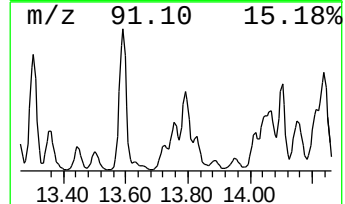
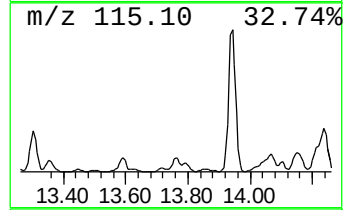
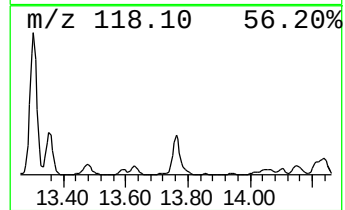
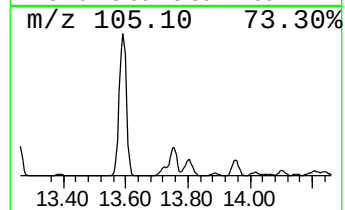
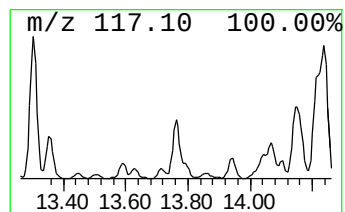
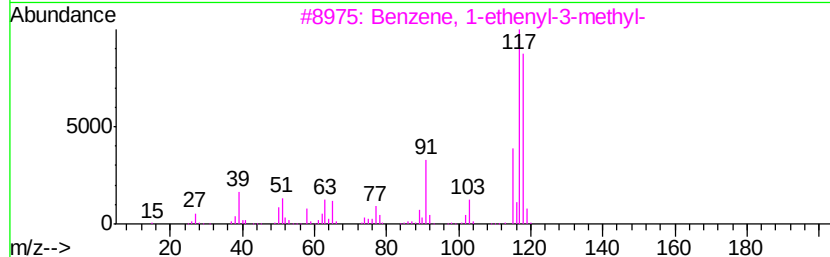
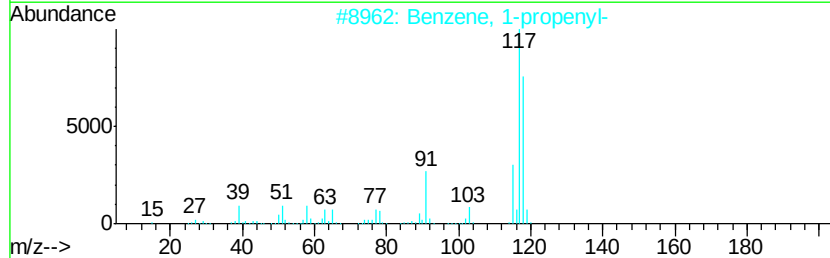
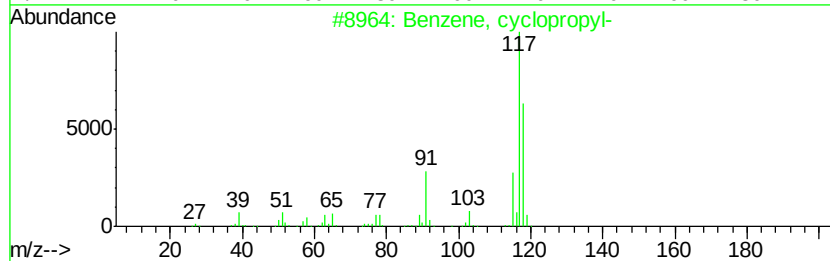
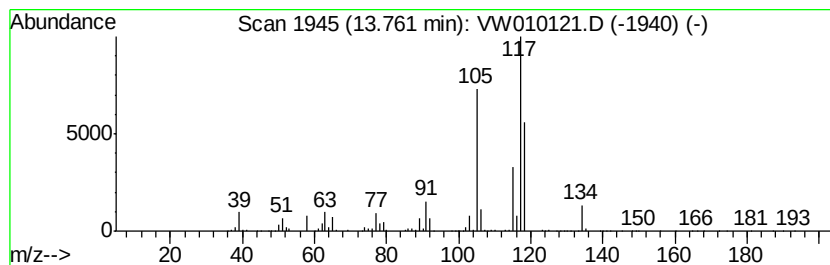
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, cyclopropyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.55 ug/L	10073700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	55
2		Benzene, 1-propenyl-	118	C9H10	000637-50-3	49
3		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

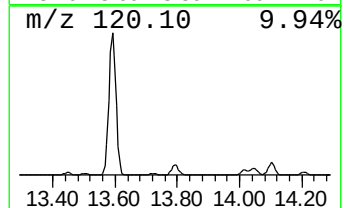
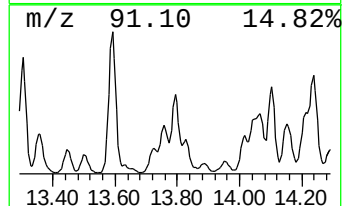
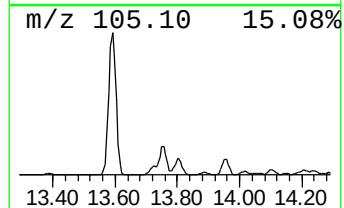
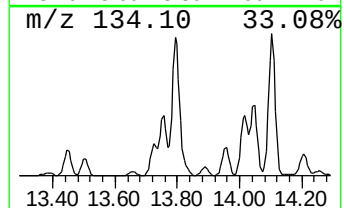
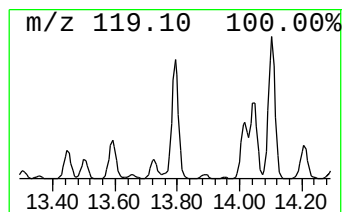
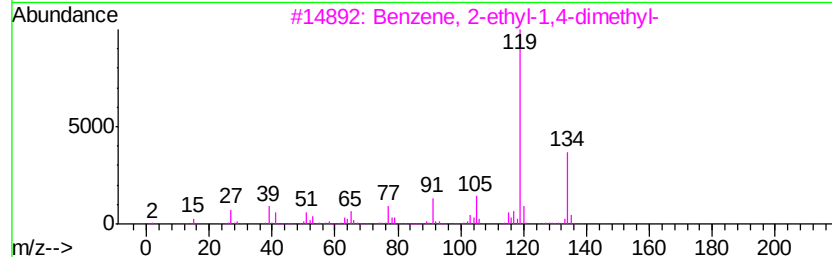
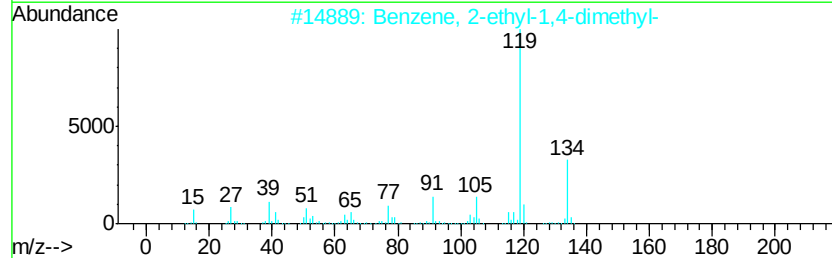
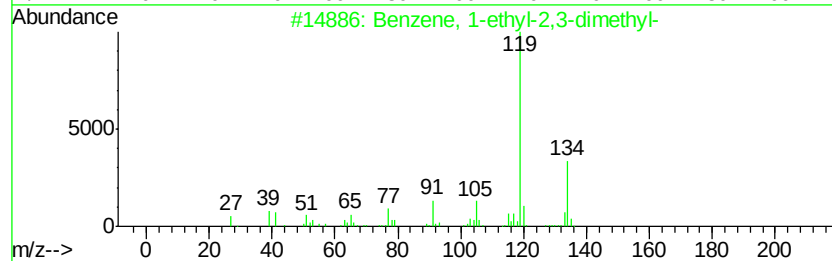
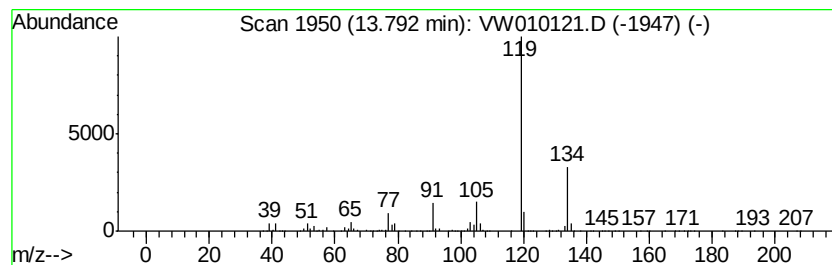
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	7.94 ug/L	12216900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHX3

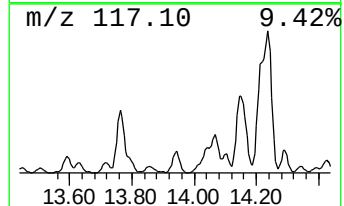
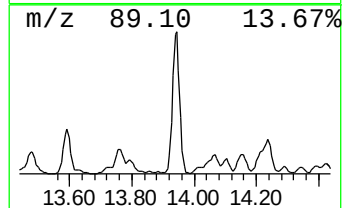
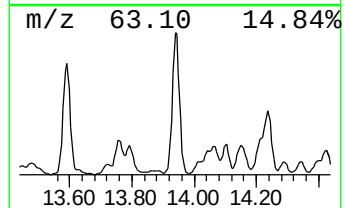
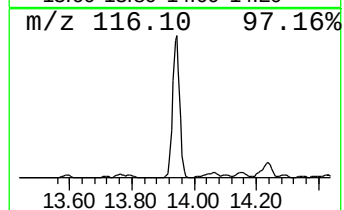
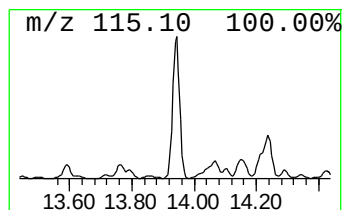
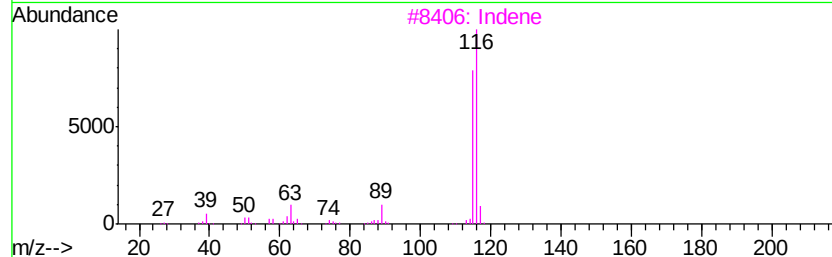
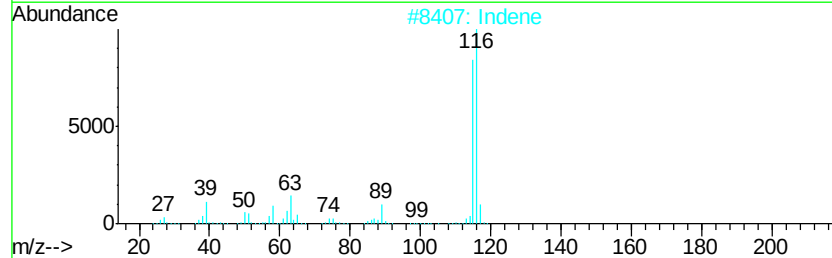
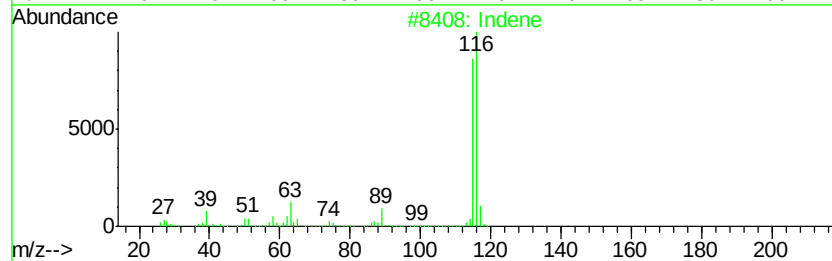
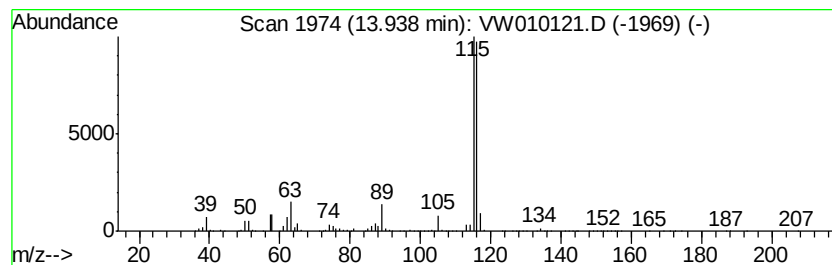
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Quant Title : VOC Analysis

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

Peak Number 24 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	13.94 ug/L	21435900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	96
3		Indene	116	C9H8	000095-13-6	95
4		3-Methylphenylacetylene	116	C9H8	000766-82-5	94
5		Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

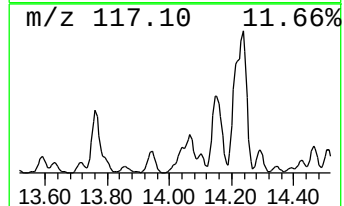
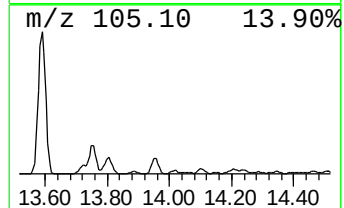
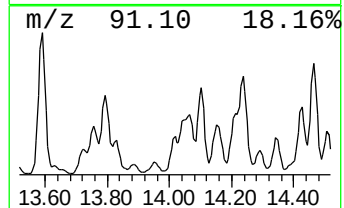
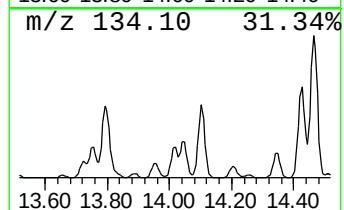
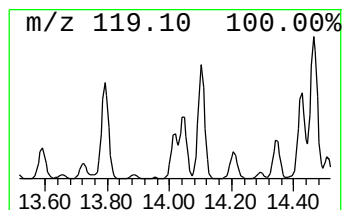
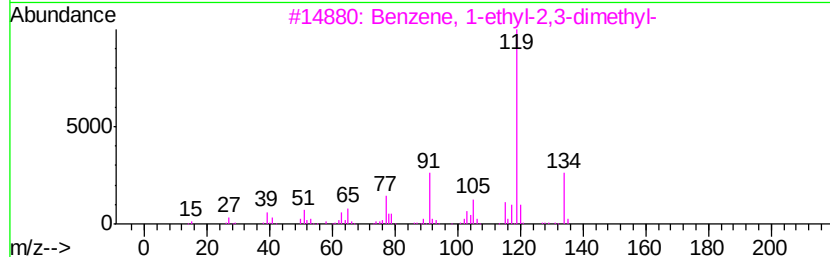
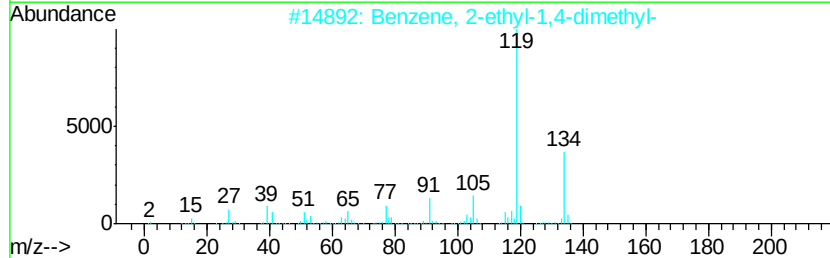
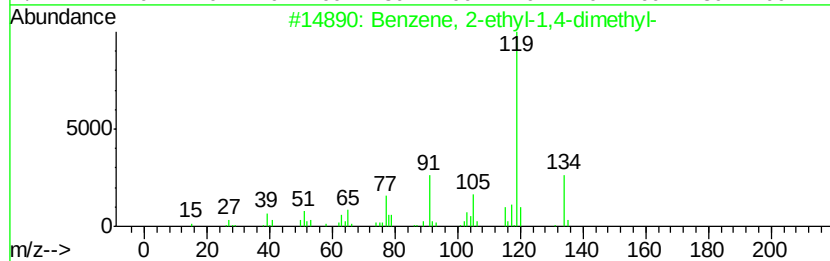
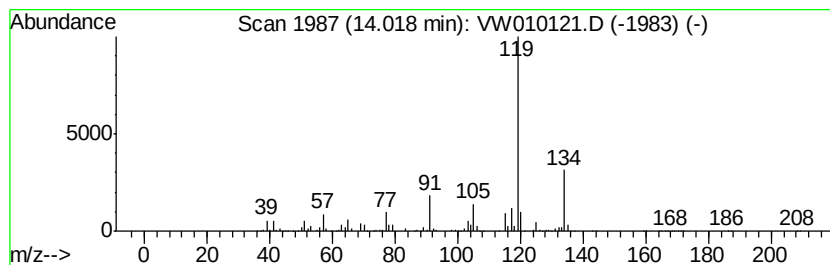
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.85 ug/L	4377610	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		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

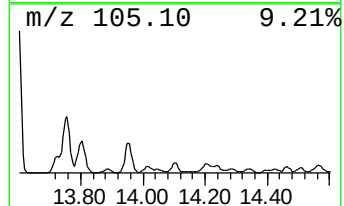
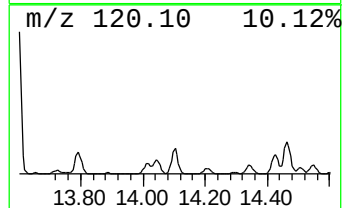
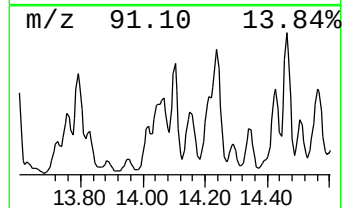
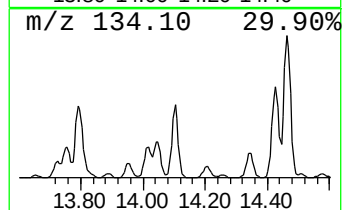
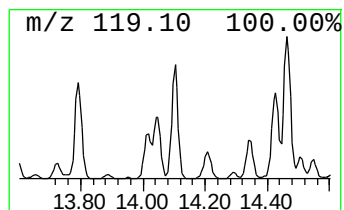
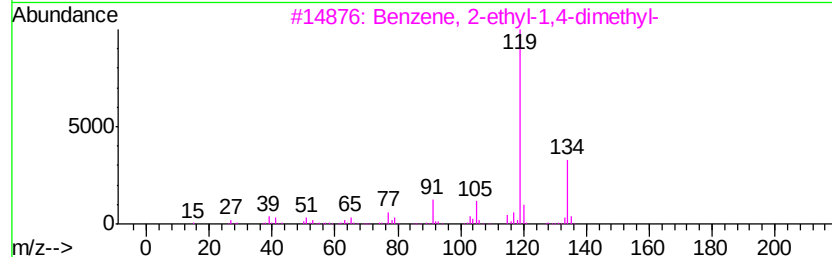
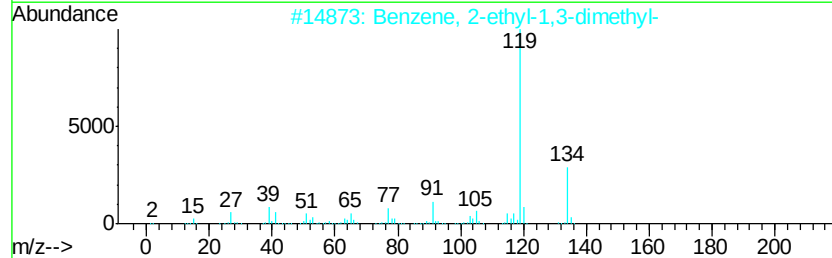
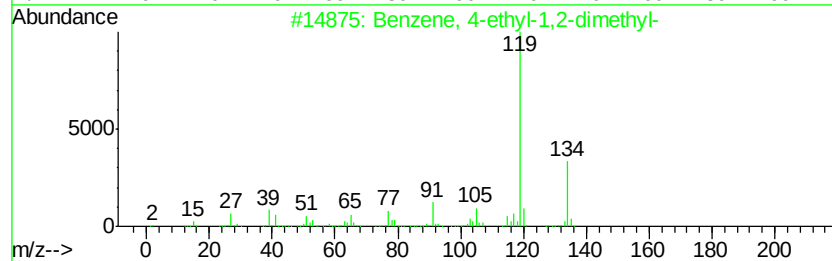
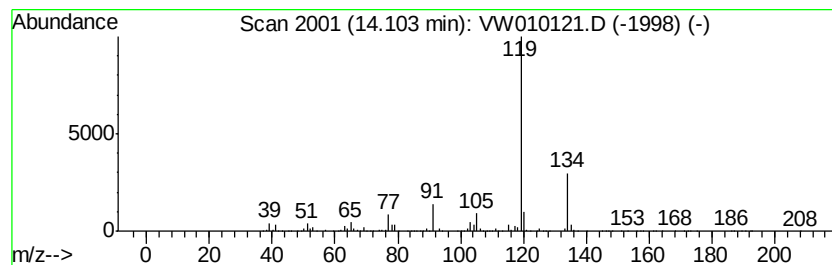
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.93 ug/L	10664600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

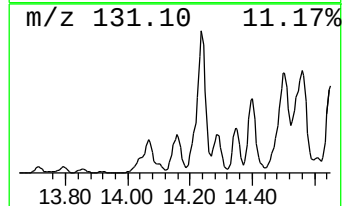
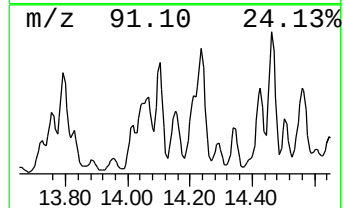
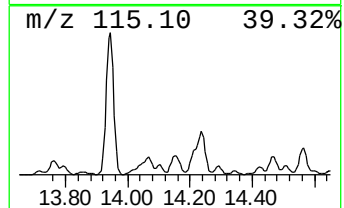
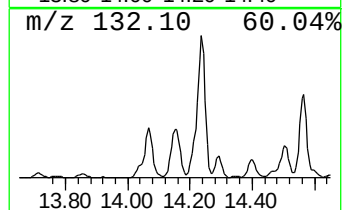
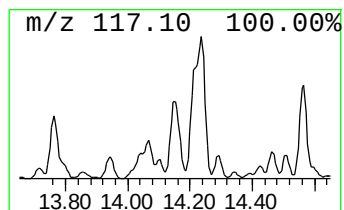
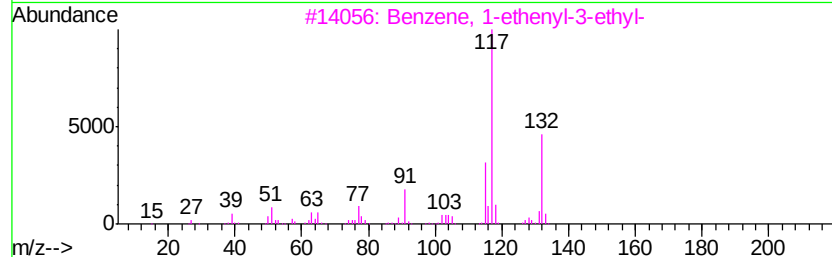
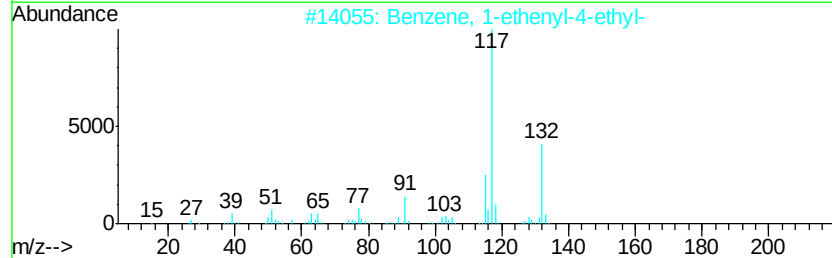
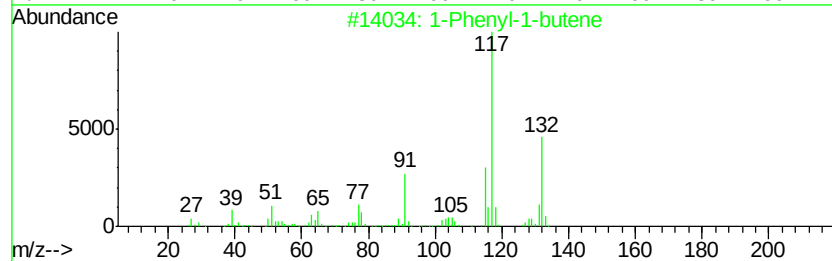
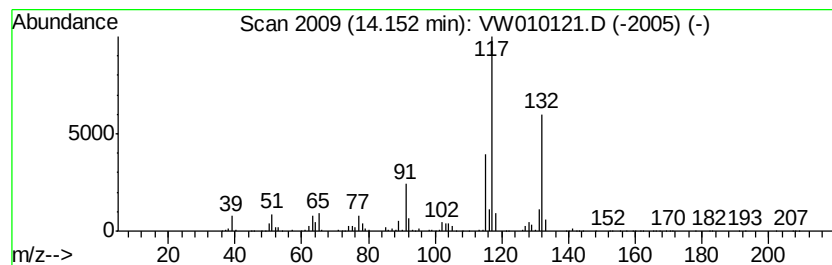
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Quant Title : VOC Analysis

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

Peak Number 28 1-Phenyl-1-butene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	6.03 ug/L	9271270	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

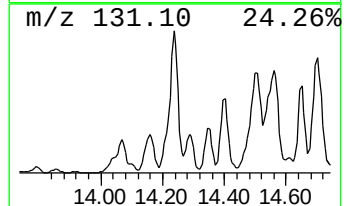
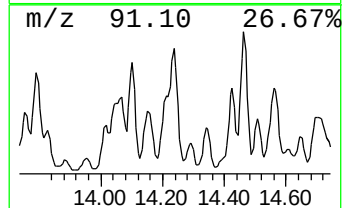
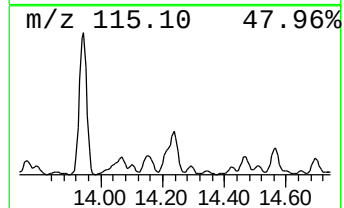
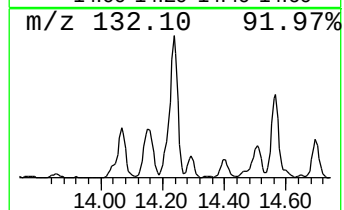
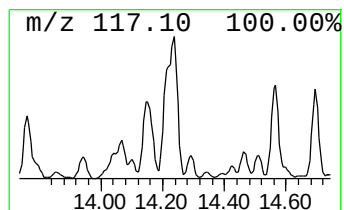
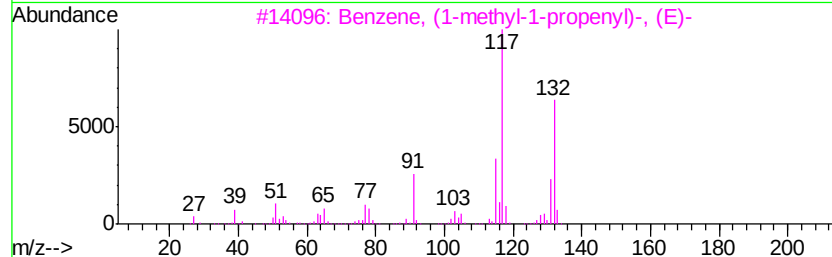
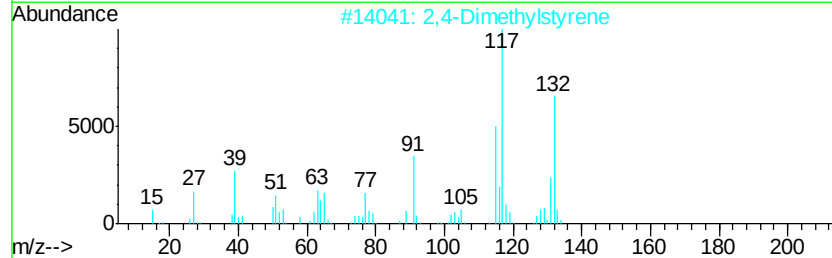
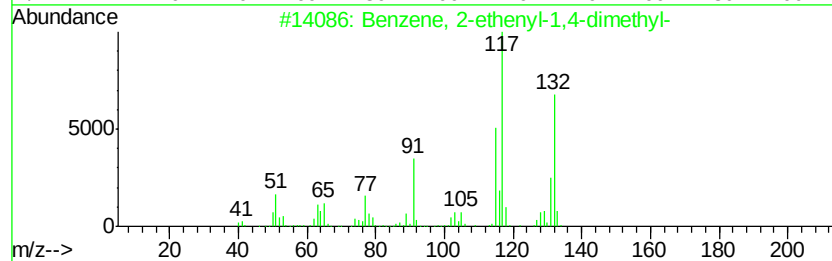
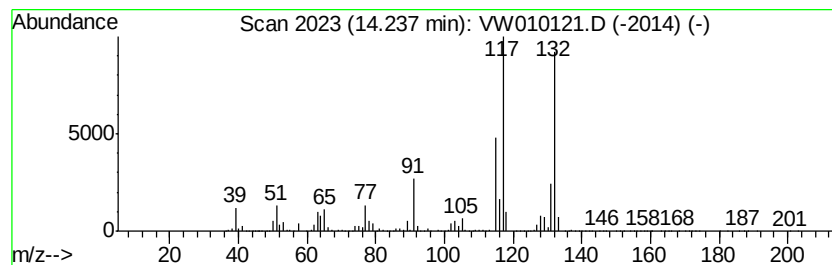
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	17.23 ug/L	26505500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
5		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

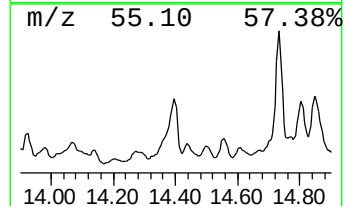
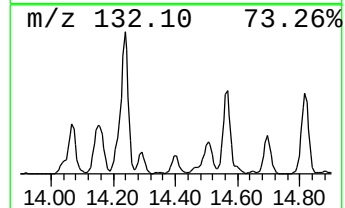
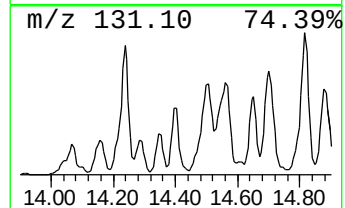
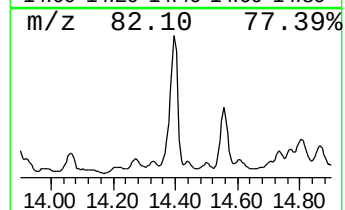
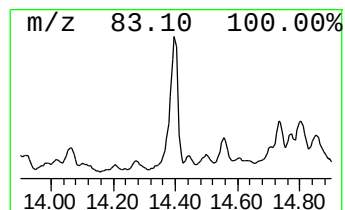
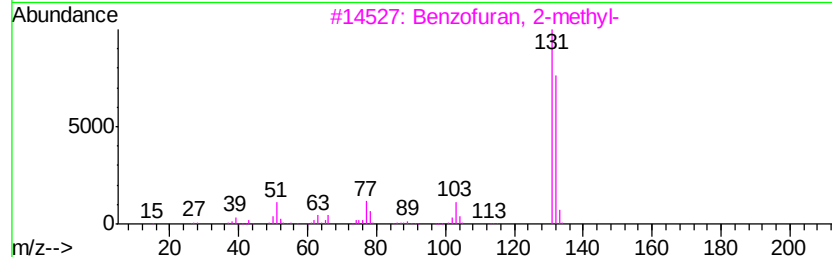
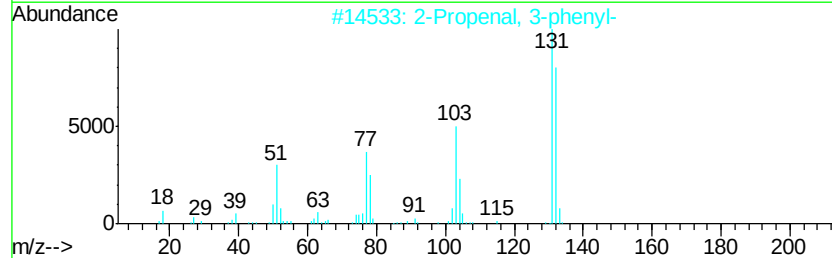
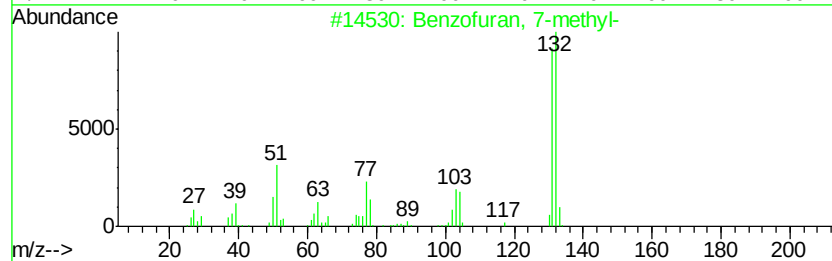
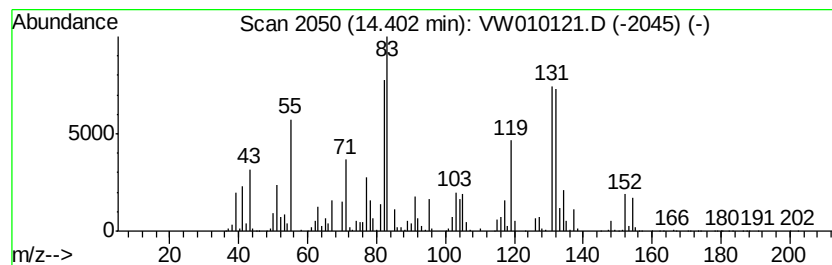
Instrument :
MSVOA_W
ClientSampleId :
GAHX3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 31 Benzofuran, 7-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.62 ug/L	5566140	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzofuran, 7-methyl-	132 C9H8O	017059-52-8 90
2		2-Propenal, 3-phenyl-	132 C9H8O	000104-55-2 45
3		Benzofuran, 2-methyl-	132 C9H8O	004265-25-2 44
4		Cyclohexane, pentyl-	154 C11H22	004292-92-6 43
5		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

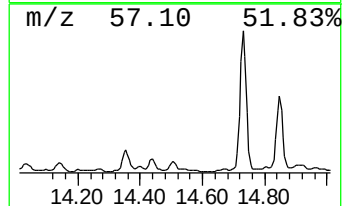
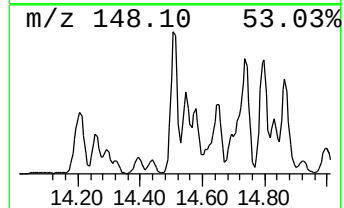
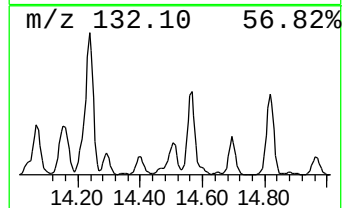
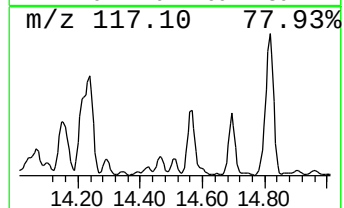
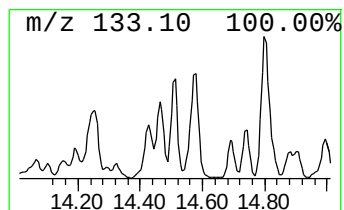
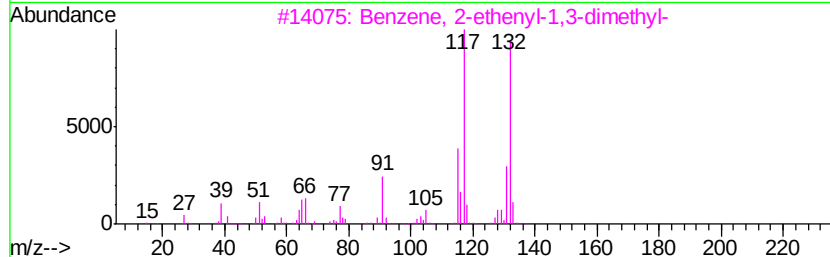
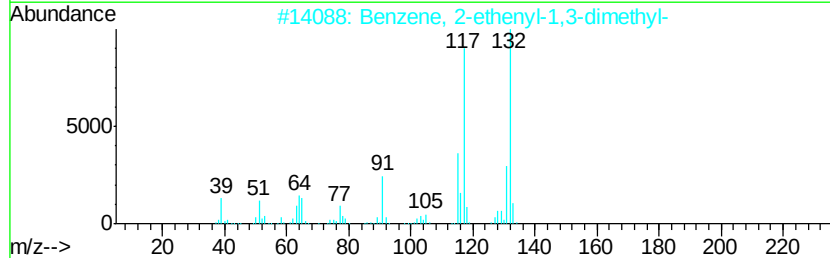
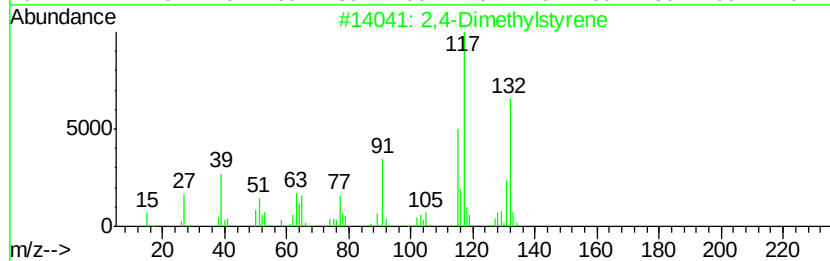
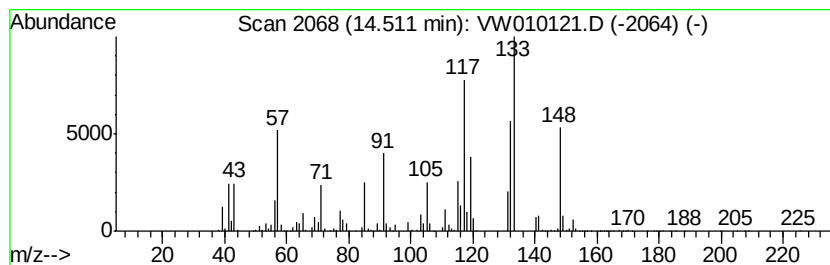
Instrument :
MSVOA_W
ClientSampleId :
GAHX3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 33 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	4.48 ug/L	6884680	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Dimethylstyrene	132 C10H12	002234-20-0	46
2	Benzene, 2-ethenyl-1,3-dimethyl-	132 C10H12	002039-90-9	46
3	Benzene, 2-ethenyl-1,3-dimethyl-	132 C10H12	002039-90-9	46
4	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	46
5	Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

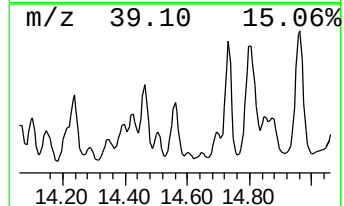
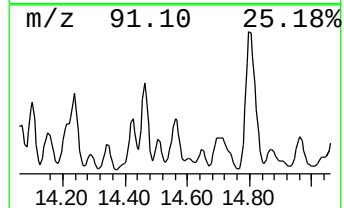
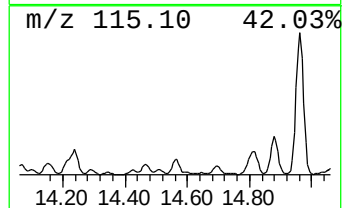
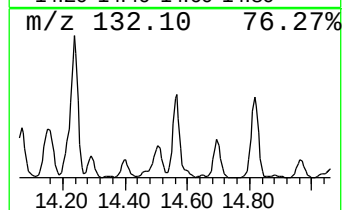
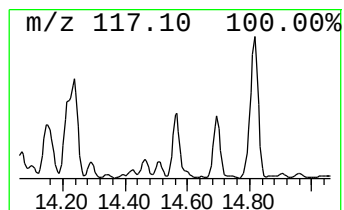
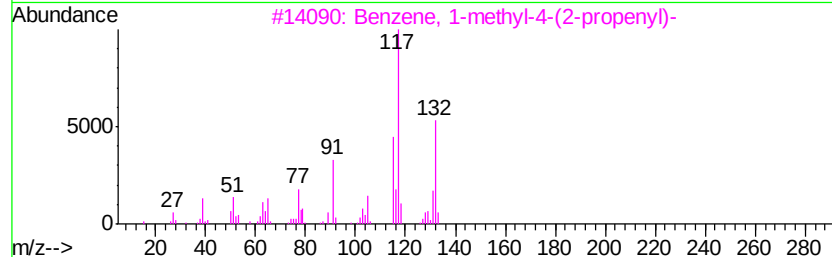
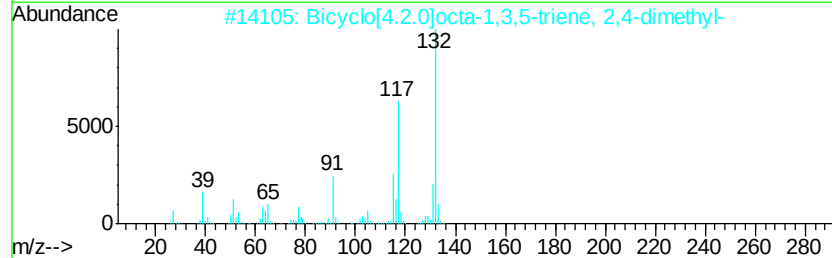
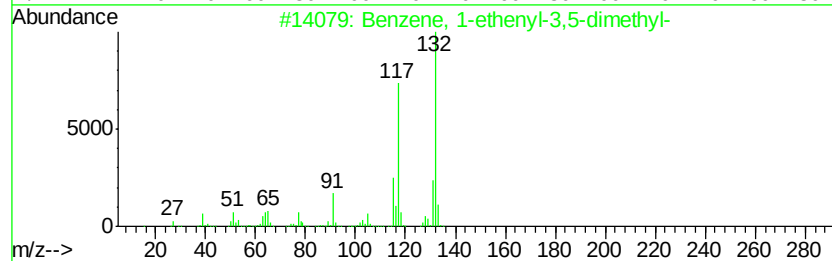
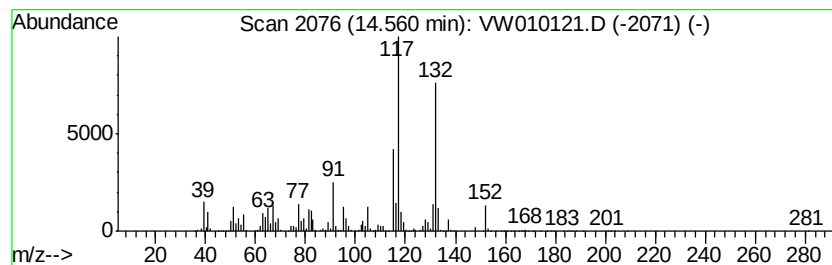
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	9.27 ug/L	14260900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	93
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
4		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	91
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

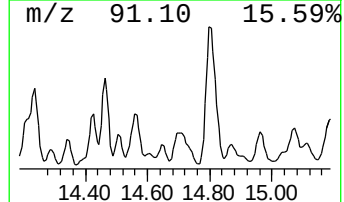
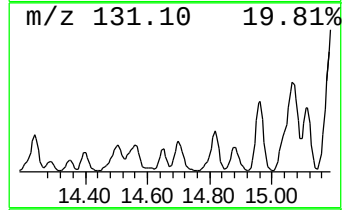
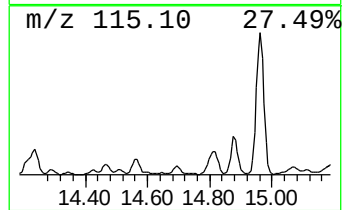
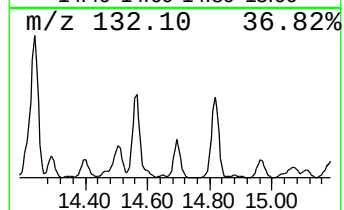
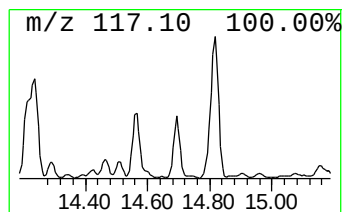
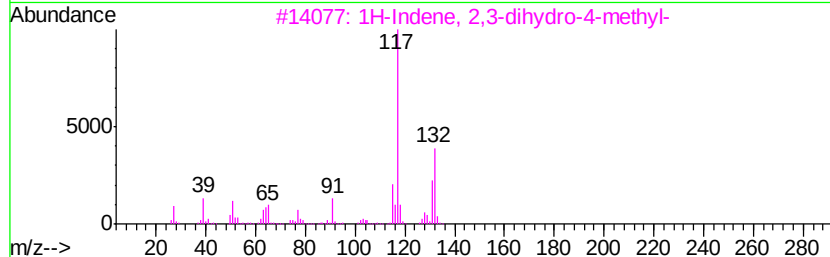
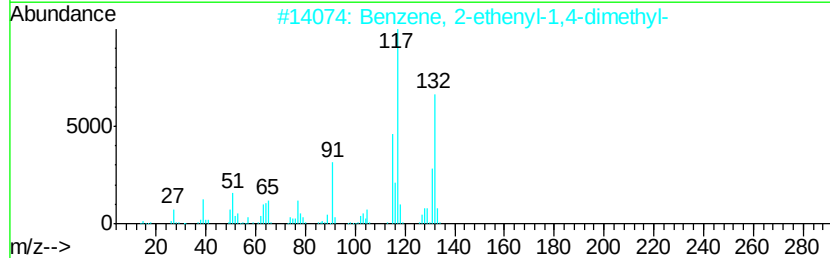
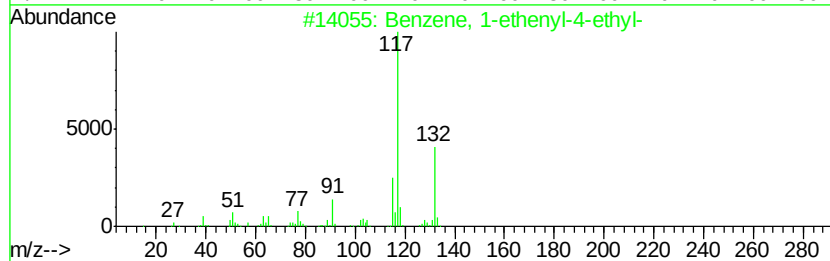
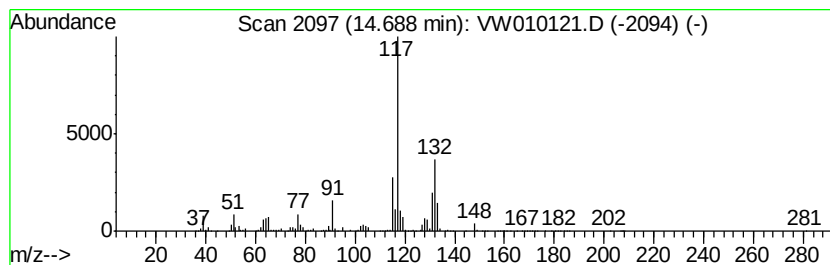
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.88 ug/L	7502620	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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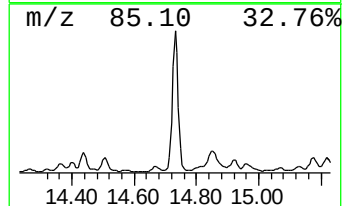
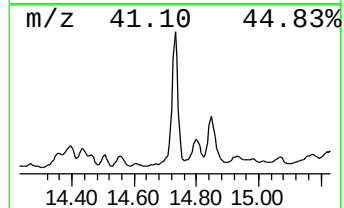
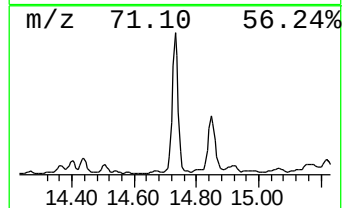
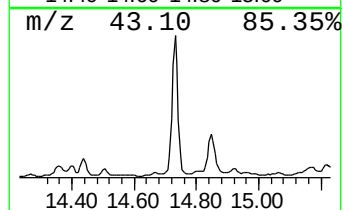
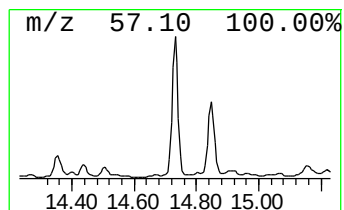
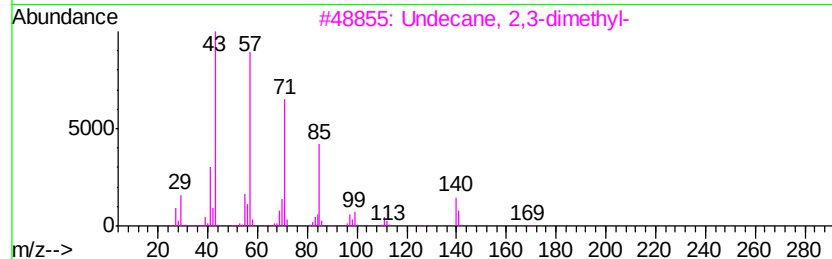
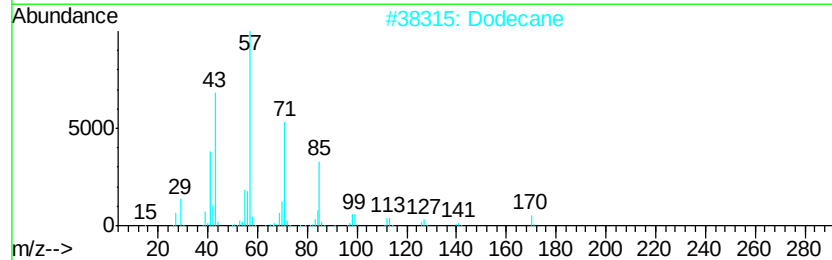
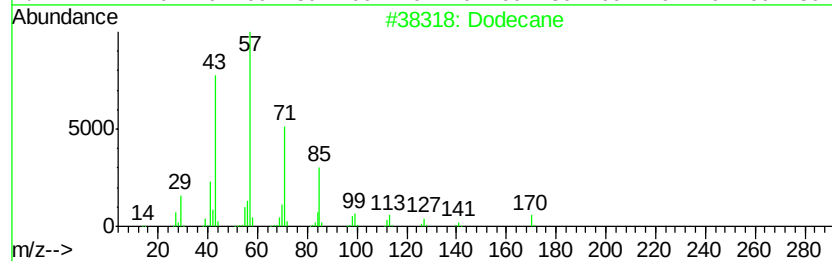
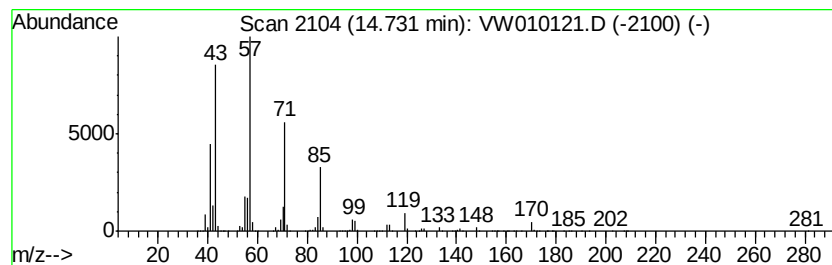
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	20.68 ug/L	31809200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	90
2		Dodecane	170	C12H26	000112-40-3	87
3		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	80
4		Hexadecane	226	C16H34	000544-76-3	72
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

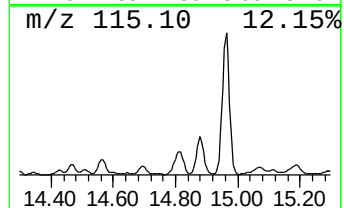
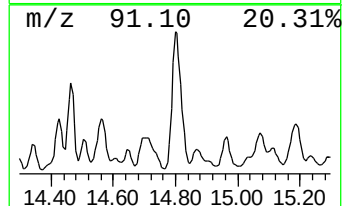
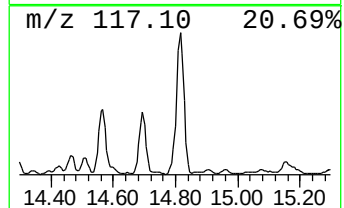
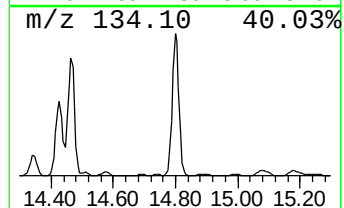
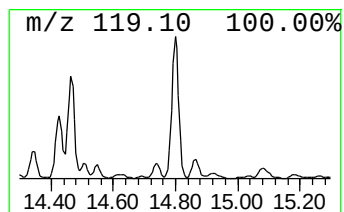
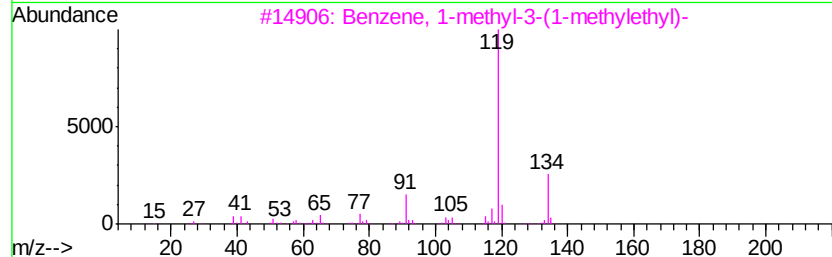
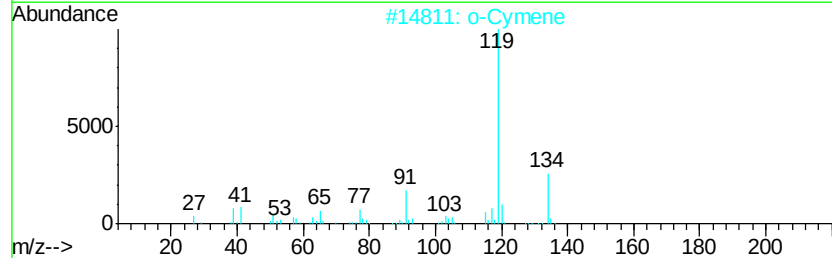
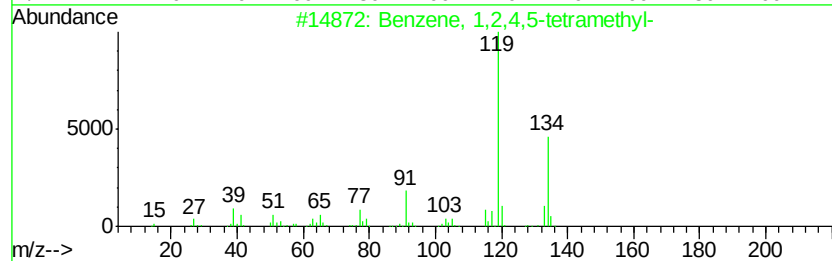
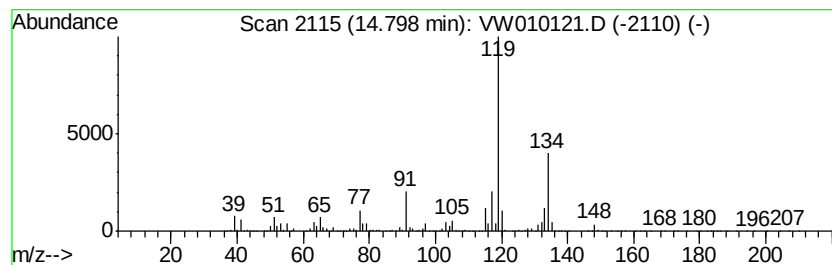
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Quant Title : VOC Analysis

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

Peak Number 37 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	29.62 ug/L	45552400	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	92
2		o-Cymene	134	C10H14	000527-84-4	70
3		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	70
4		o-Cymene	134	C10H14	000527-84-4	70
5		p-Cymene	134	C10H14	000099-87-6	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHX3

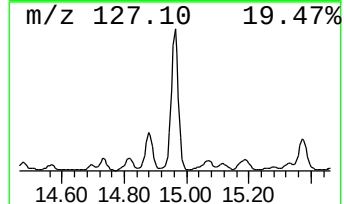
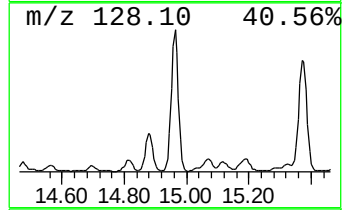
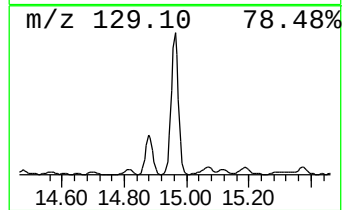
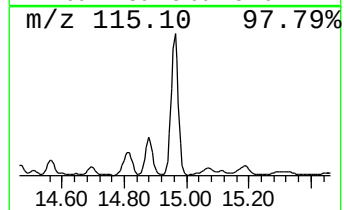
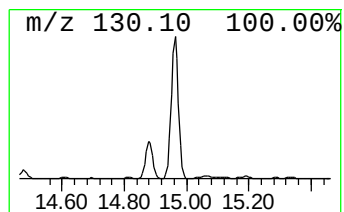
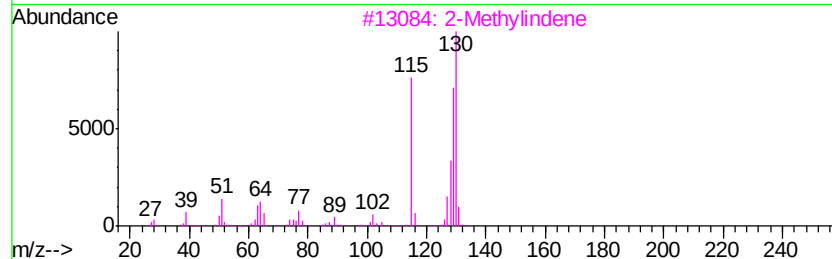
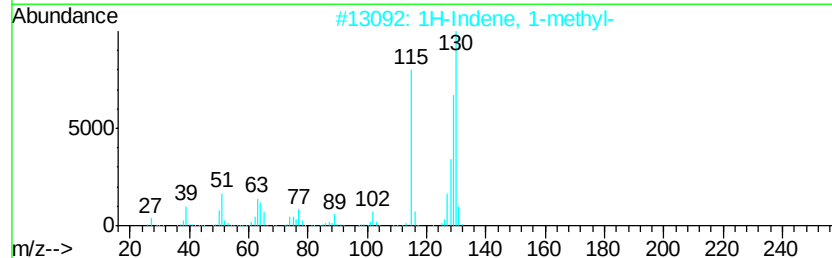
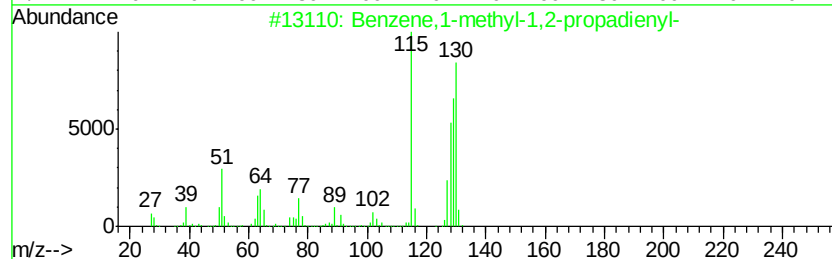
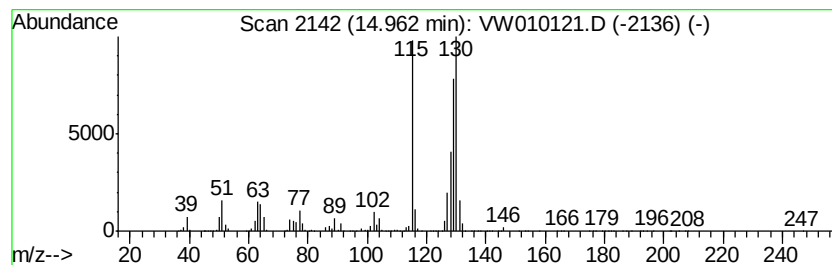
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene,1-methyl-1,2-propad... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	37.72 ug/L	58013500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3		2-Methylindene	130	C10H10	002177-47-1	96
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

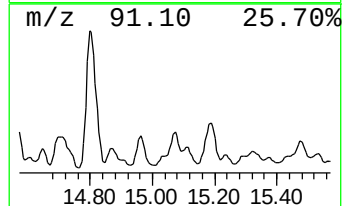
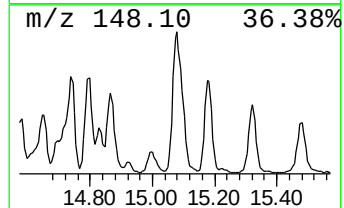
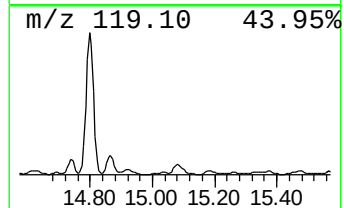
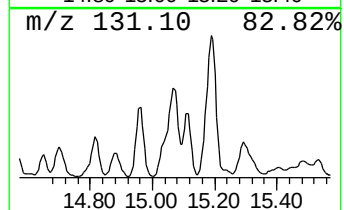
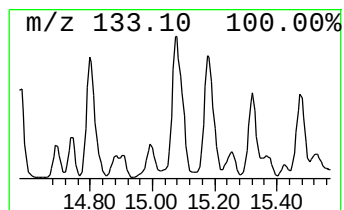
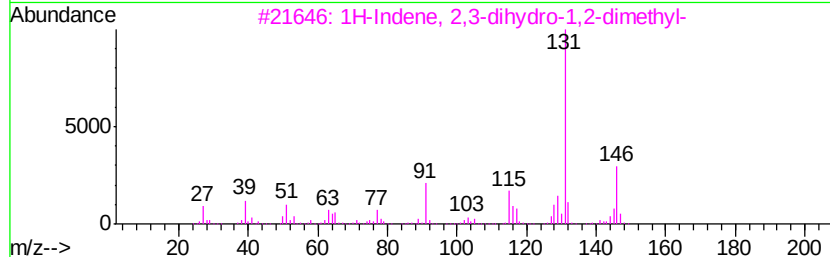
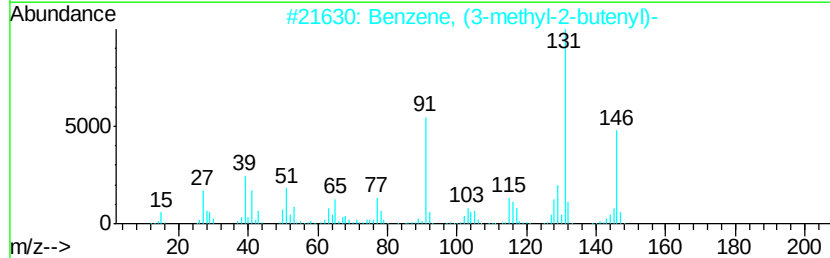
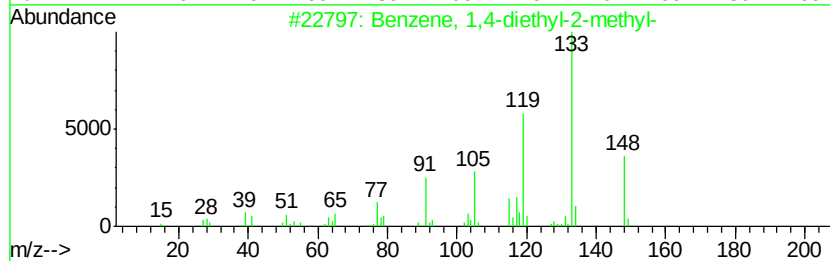
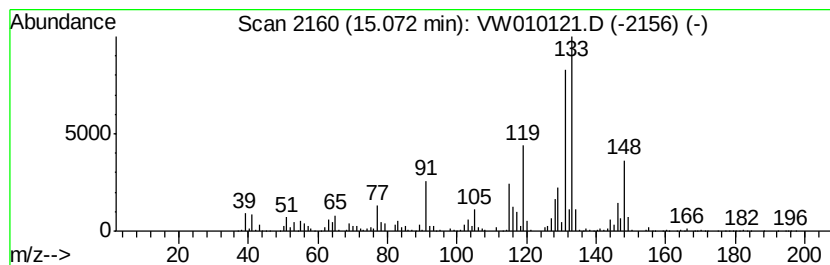
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Quant Title : VOC Analysis

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

Peak Number 39 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	4.26 ug/L	6544530	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	49
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

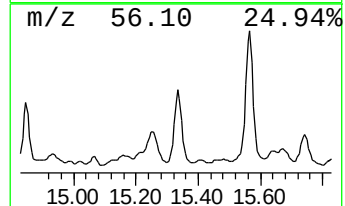
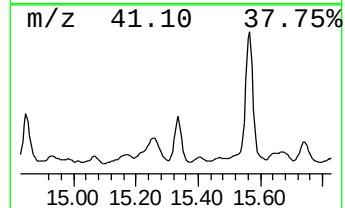
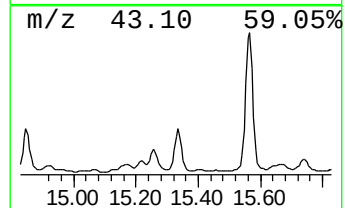
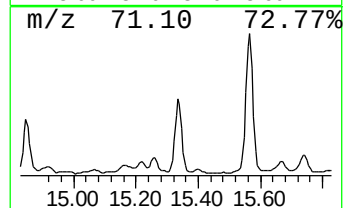
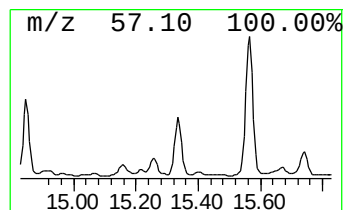
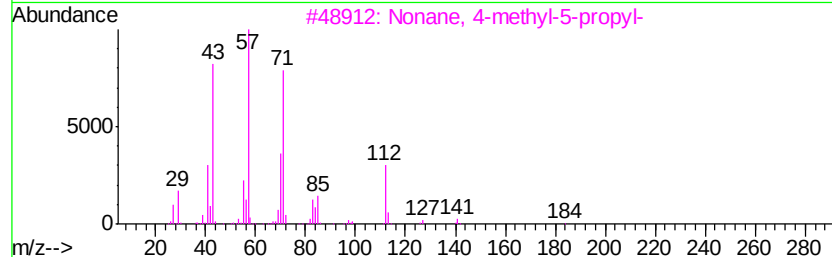
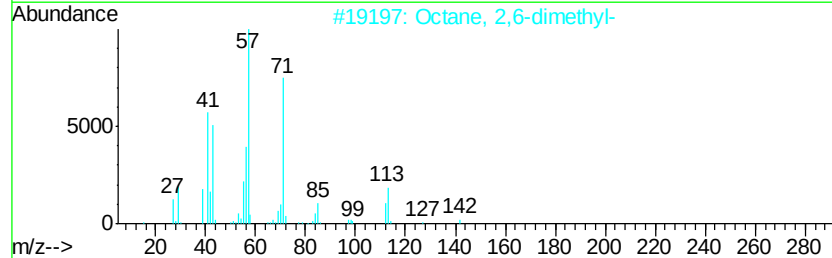
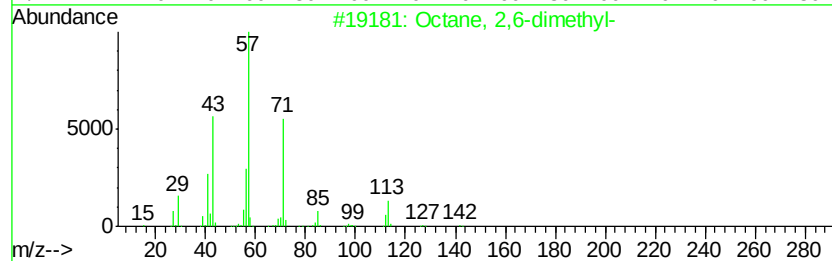
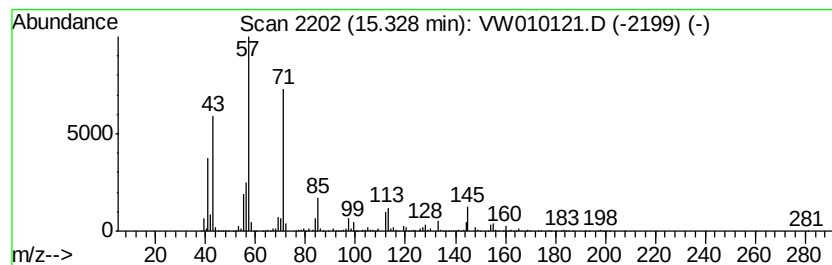
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	7.89 ug/L	12128100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58
4			Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

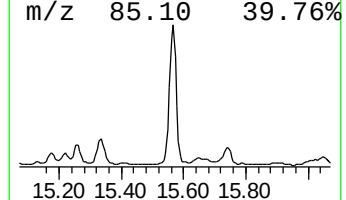
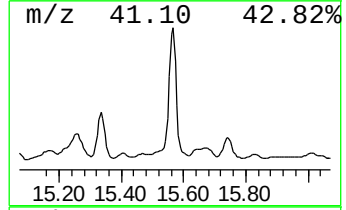
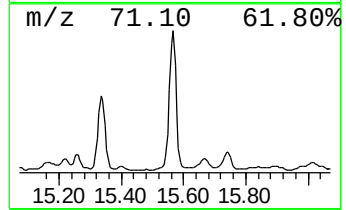
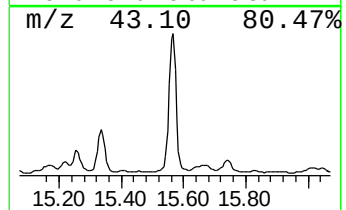
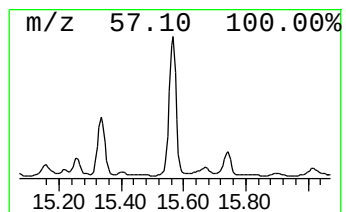
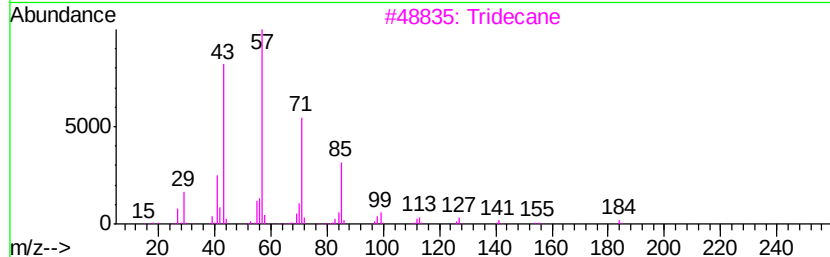
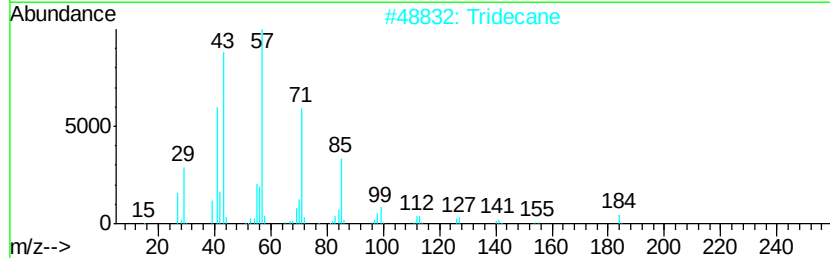
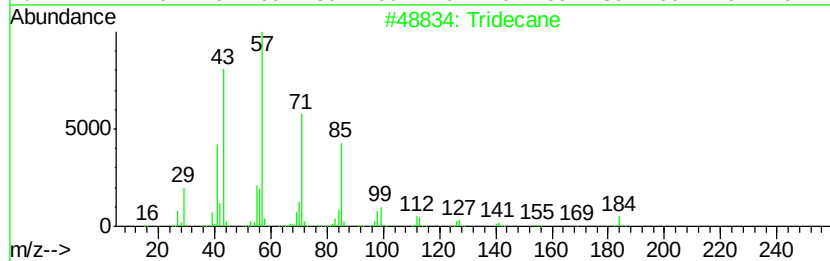
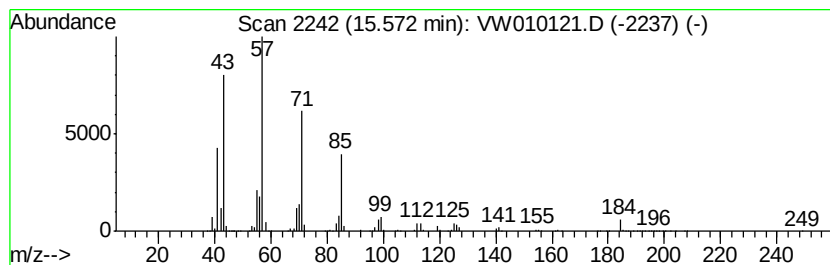
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	24.06 ug/L	37001200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	97
2		Tridecane	184	C13H28	000629-50-5	95
3		Tridecane	184	C13H28	000629-50-5	91
4		Tridecane	184	C13H28	000629-50-5	90
5		Tetradecane	198	C14H30	000629-59-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

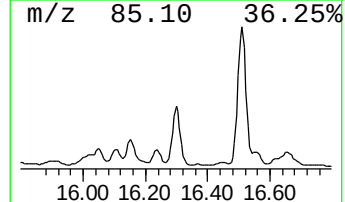
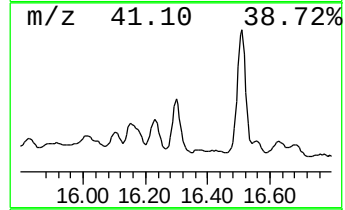
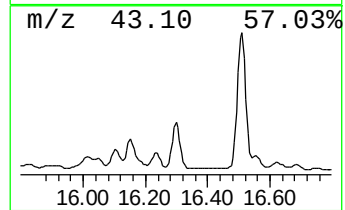
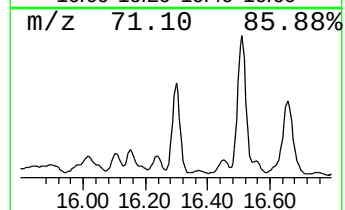
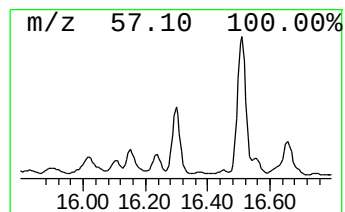
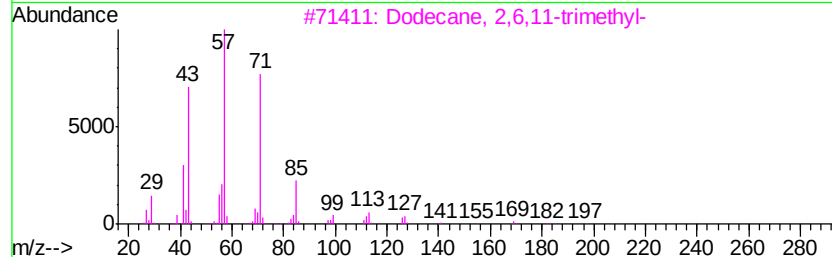
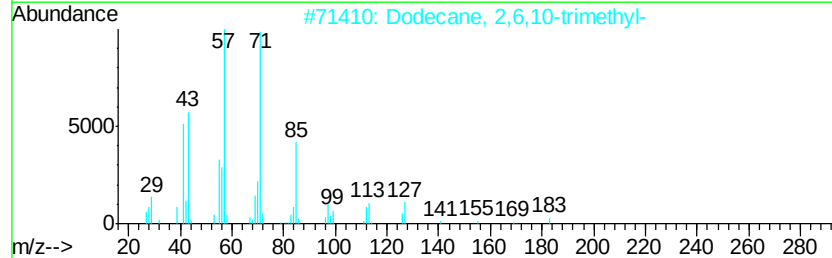
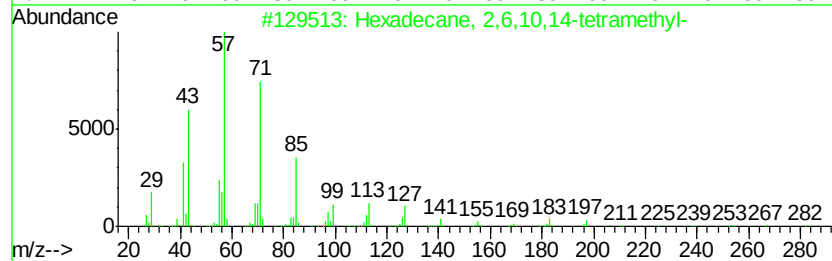
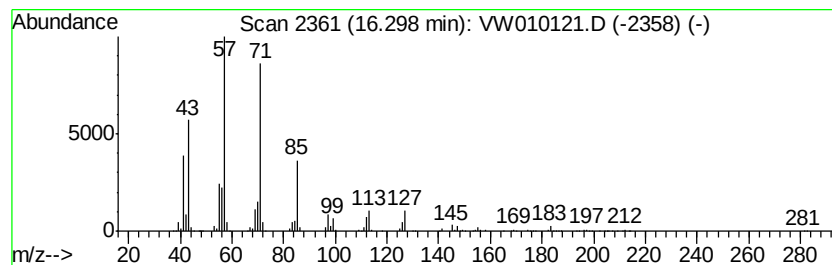
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	5.17 ug/L	7946460	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	94
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

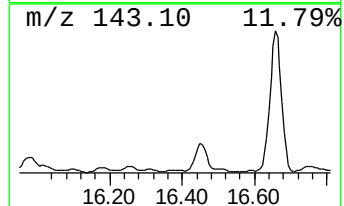
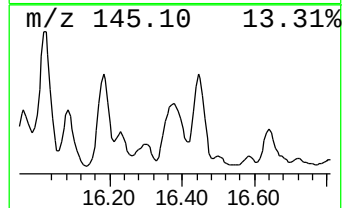
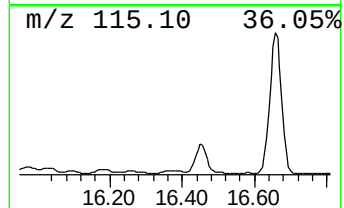
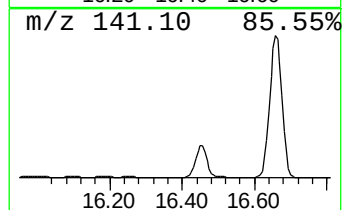
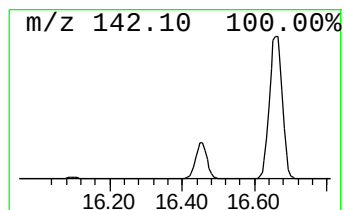
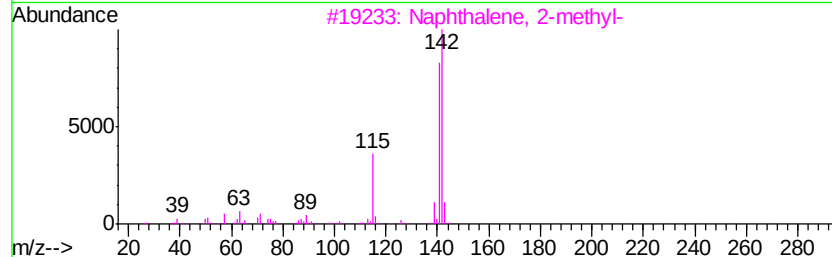
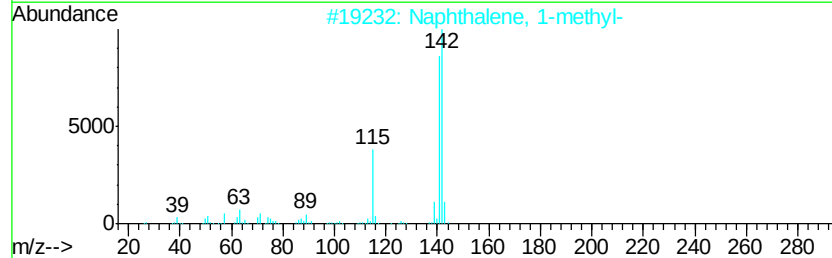
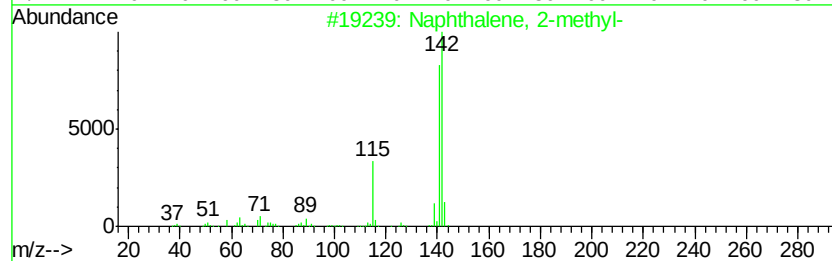
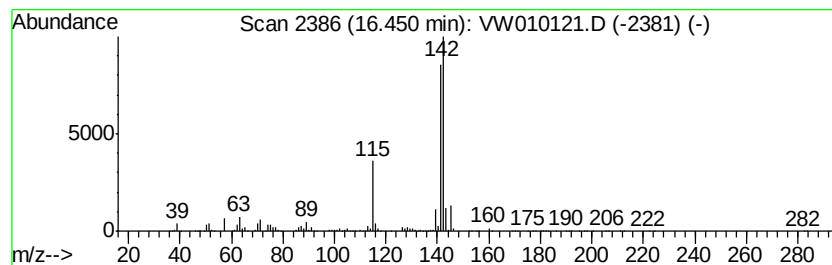
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Quant Title : VOC Analysis

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

Peak Number 43 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	9.12 ug/L	14028100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010121.D
Acq On : 24 Apr 2019 21:03
Operator : SY/VA
Sample : K2481-20
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX3

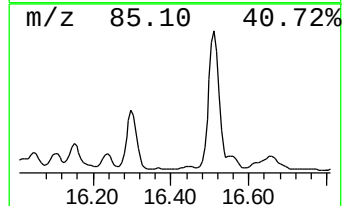
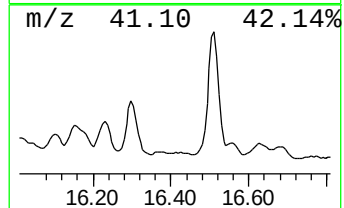
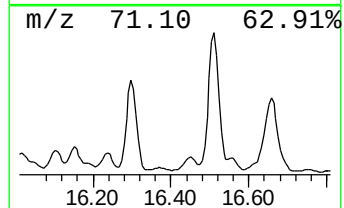
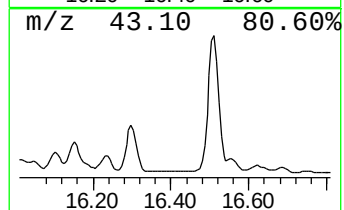
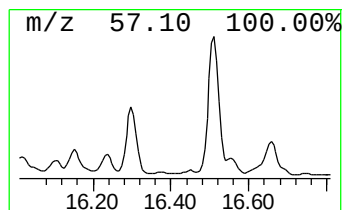
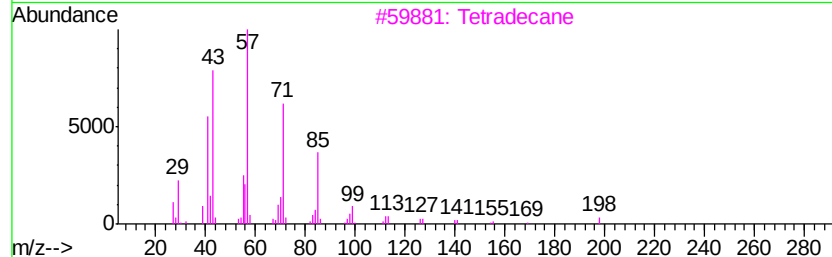
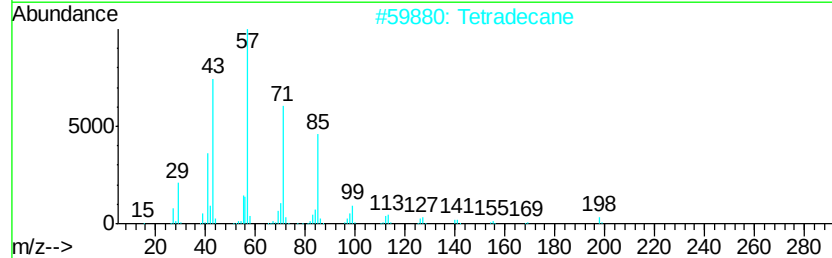
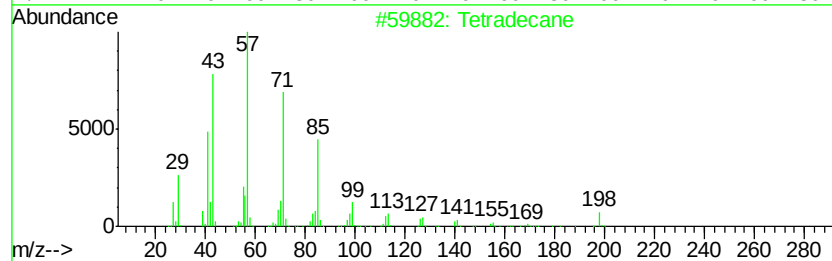
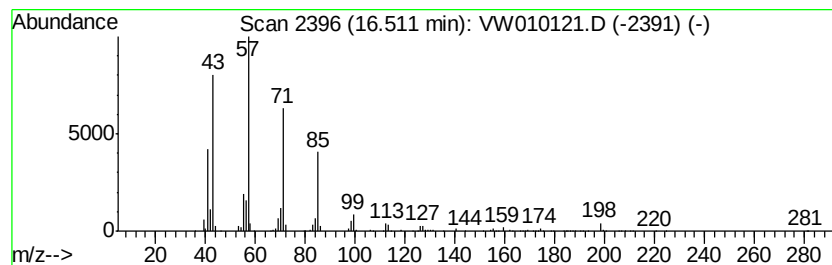
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	10.99 ug/L	16906400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	97
2		Tetradecane	198	C14H30	000629-59-4	96
3		Tetradecane	198	C14H30	000629-59-4	96
4		Tetradecane	198	C14H30	000629-59-4	91
5		Tridecane	184	C13H28	000629-50-5	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010121.D
 Acq On : 24 Apr 2019 21:03
 Operator : SY/VA
 Sample : K2481-20
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.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
Thiophene, 3-methyl-	10.50	2.3	ug/L	137282	2	11.63	1494830	25.0
Thiophene, 2-(3-m...	10.65	1.4	ug/L	81497	2	11.63	1494830	25.0
(DEL) Alkane: Cyc...	11.23	3.0	ug/L	180444	2	11.63	1494830	25.0
(DEL) Alkane: Str...	11.34	1.7	ug/L	100719	2	11.63	1494830	25.0
(DEL) Alkane: Str...	11.41	5.2	ug/L	312866	2	11.63	1494830	25.0
(DEL) Alkane: Str...	11.51	3.1	ug/L	188083	2	11.63	1494830	25.0
Pyridine, 2,6-dim...	11.99	8.2	ug/L	488502	2	11.63	1494830	25.0
(DEL) Alkane: Str...	12.26	13.7	ug/L	819701	2	11.63	1494830	25.0
(DEL) Alkane: Str...	12.37	64.3	ug/L	3843680	2	11.63	1494830	25.0
Benzene, 1-ethyl-...	12.87	3.5	ug/L	5351930	3	13.56	38450000	25.0
Mesitylene	12.94	21.7	ug/L	33440300	3	13.56	38450000	25.0
(DEL) Alkane: Str...	13.17	2.1	ug/L	3229790	3	13.56	38450000	25.0
Benzene, 1,2,3-tr...	13.26	6.7	ug/L	10249100	3	13.56	38450000	25.0
Benzene, 1-etheny...	13.30	9.3	ug/L	14335800	3	13.56	38450000	25.0
o-Cymene	13.45	4.1	ug/L	6247870	3	13.56	38450000	25.0
Benzene, 1,2-diet...	13.72	2.3	ug/L	3559510	3	13.56	38450000	25.0
Benzene, cyclopro...	13.76	6.5	ug/L	10073700	3	13.56	38450000	25.0
Benzene, 1-ethyl-...	13.79	7.9	ug/L	12216900	3	13.56	38450000	25.0
Indene	13.94	13.9	ug/L	21435900	3	13.56	38450000	25.0
Benzene, 2-ethyl-...	14.02	2.9	ug/L	4377610	3	13.56	38450000	25.0
Benzene, 4-ethyl-...	14.10	6.9	ug/L	10664600	3	13.56	38450000	25.0
1-Phenyl-1-butene	14.15	6.0	ug/L	9271270	3	13.56	38450000	25.0
Benzene, 2-etheny...	14.24	17.2	ug/L	26505500	3	13.56	38450000	25.0
Benzofuran, 7-met...	14.40	3.6	ug/L	5566140	3	13.56	38450000	25.0
unknown-01	14.51	4.5	ug/L	6884680	3	13.56	38450000	25.0
Benzene, 1-etheny...	14.56	9.3	ug/L	14260900	3	13.56	38450000	25.0
Benzene, 1-etheny...	14.69	4.9	ug/L	7502620	3	13.56	38450000	25.0
(DEL) Alkane: Str...	14.73	20.7	ug/L	31809200	3	13.56	38450000	25.0
Benzene, 1,2,4,5-...	14.80	29.6	ug/L	45552400	3	13.56	38450000	25.0
Benzene, 1-methyl-...	14.96	37.7	ug/L	58013500	3	13.56	38450000	25.0
unknown-02	15.07	4.3	ug/L	6544530	3	13.56	38450000	25.0
(DEL) Alkane: Str...	15.33	7.9	ug/L	12128100	3	13.56	38450000	25.0
(DEL) Alkane: Str...	15.57	24.1	ug/L	37001200	3	13.56	38450000	25.0
(DEL) Alkane: Str...	16.30	5.2	ug/L	7946460	3	13.56	38450000	25.0
Naphthalene, 1-me...	16.45	9.1	ug/L	14028100	3	13.56	38450000	25.0
(DEL) Alkane: Str...	16.51	11.0	ug/L	16906400	3	13.56	38450000	25.0