

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
 Data File : VW010083.D
 Acq On : 22 Apr 2019 15:09
 Operator : SY/VA
 Sample : K2455-10
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR0

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	37	41	45	rBV3	6877	13402	0.01%	0.004%
2	2.355	68	74	85	rBV	113738	271239	0.16%	0.079%
3	2.892	155	162	175	rBV	97075	260194	0.16%	0.076%
4	3.843	315	318	319	rBV3	2539	2940	0.00%	0.001%
5	3.922	329	331	333	rVB3	1665	1142	0.00%	0.000%
6	4.007	333	345	360	rBV	277679	967668	0.58%	0.283%
7	4.391	401	408	417	rVB2	6488	19800	0.01%	0.006%
8	4.672	451	454	458	rBV5	931	1297	0.00%	0.000%
9	4.909	481	493	511	rBV	52961	219816	0.13%	0.064%
10	5.239	545	547	550	rVB2	1543	1523	0.00%	0.000%
11	5.391	567	572	573	rVV5	1350	1982	0.00%	0.001%
12	5.409	573	575	580	rVB4	1663	2683	0.00%	0.001%
13	5.934	650	661	670	rVV3	15830	46065	0.03%	0.013%
14	6.263	712	715	717	rBV3	1495	1466	0.00%	0.000%
15	6.501	752	754	758	rVV4	1116	1587	0.00%	0.000%
16	7.080	839	849	857	rBV	84692	237366	0.14%	0.069%
17	7.257	869	878	890	rVB	75046	188548	0.11%	0.055%
18	7.513	917	920	922	rBV4	1521	1867	0.00%	0.001%
19	7.537	922	924	929	rVB6	2395	4025	0.00%	0.001%
20	7.647	932	942	954	rBV	524911	1252001	0.75%	0.366%
21	7.866	971	978	980	rBV6	2323	4641	0.00%	0.001%
22	7.952	985	992	998	rVB7	4602	10352	0.01%	0.003%
23	8.049	1005	1008	1009	rBV3	1413	1500	0.00%	0.000%
24	8.122	1019	1020	1022	rBV	1659	1296	0.00%	0.000%
25	8.275	1033	1045	1061	rVV2	986391	2920887	1.76%	0.853%
26	8.573	1092	1094	1097	rVB2	989	1083	0.00%	0.000%
27	8.622	1097	1102	1104	rBV4	1664	2616	0.00%	0.001%
28	8.677	1108	1111	1112	rBV	2225	2139	0.00%	0.001%
29	8.842	1128	1138	1148	rBV	1091266	2134093	1.28%	0.623%
30	8.988	1160	1162	1166	rVB5	857	1138	0.00%	0.000%
31	9.073	1166	1176	1185	rBV9	9559	26109	0.02%	0.008%
32	9.140	1185	1187	1191	rVB3	1214	1158	0.00%	0.000%
33	9.275	1197	1209	1218	rBV	673977	1398427	0.84%	0.409%
34	9.653	1267	1271	1278	rVB5	4139	8234	0.00%	0.002%

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 Title : VOC Analysis

35	9.756	1283	1288	1294	rVB5	4316	7334	0.00%	0.002%
36	9.890	1303	1310	1319	rBV4	9218	21697	0.01%	0.006%
37	10.037	1325	1334	1345	rBV	364653	679655	0.41%	0.199%
38	10.250	1364	1369	1373	rVB4	5015	8507	0.01%	0.002%
39	10.323	1373	1381	1388	rBV	1387611	2430248	1.46%	0.710%
40	10.390	1388	1392	1398	rVB	33934	57629	0.03%	0.017%
41	10.506	1409	1411	1414	rVB4	2266	2404	0.00%	0.001%
42	10.579	1414	1423	1432	rBV	239416	426024	0.26%	0.124%
43	10.707	1437	1444	1451	rBV2	8270	15989	0.01%	0.005%
44	10.780	1453	1456	1458	rVB4	1772	1801	0.00%	0.001%
45	10.805	1458	1460	1462	rVB3	1325	1207	0.00%	0.000%
46	10.860	1462	1469	1473	rBV6	13355	25036	0.02%	0.007%
47	10.927	1473	1480	1491	rBV	349421	583187	0.35%	0.170%
48	11.073	1500	1504	1509	rVB5	11340	19820	0.01%	0.006%
49	11.183	1518	1522	1523	rBV4	997	1390	0.00%	0.000%
50	11.232	1527	1530	1532	rBV3	1277	1785	0.00%	0.001%
51	11.634	1587	1596	1603	rBV	1462327	2537982	1.52%	0.741%
52	11.731	1609	1612	1617	rVV	8163	11955	0.01%	0.003%
53	11.786	1617	1621	1626	rVV3	30790	48057	0.03%	0.014%
54	11.841	1626	1630	1640	rVB5	17665	38260	0.02%	0.011%
55	12.176	1679	1685	1692	rBV4	15061	32863	0.02%	0.010%
56	12.335	1707	1711	1714	rBV6	8132	13421	0.01%	0.004%
57	12.426	1715	1726	1727	rBV10	27846	61110	0.04%	0.018%
58	12.695	1764	1770	1779	rVB	471895	766720	0.46%	0.224%
59	12.890	1790	1802	1806	rBV4	315870	867462	0.52%	0.253%
60	13.256	1857	1862	1866	rBV	146241	244730	0.15%	0.071%
61	13.310	1866	1871	1872	rBV3	137532	204757	0.12%	0.060%
62	13.451	1890	1894	1897	rBV4	95905	168864	0.10%	0.049%
63	13.560	1907	1912	1921	rVB	1426779	2281991	1.37%	0.667%
64	13.725	1933	1939	1940	rBV2	298918	457539	0.27%	0.134%
65	13.755	1941	1944	1946	rVV	518832	761311	0.46%	0.222%
66	13.792	1946	1950	1955	rVV2	1073275	1934798	1.16%	0.565%
67	13.859	1955	1961	1969	rVV2	1238579	2963466	1.78%	0.866%
68	13.957	1973	1977	1981	rVV4	163856	331723	0.20%	0.097%
69	14.018	1982	1987	1988	rVV	439639	678931	0.41%	0.198%
70	14.042	1988	1991	1993	rVV2	741132	1159476	0.70%	0.339%
71	14.103	1997	2001	2004	rVV	963110	1552390	0.93%	0.454%

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72	14.146	2004	2008	2014	rVV	1011108	1911024	1.15%	0.558%
73	14.237	2018	2023	2028	rVV	4595425	7160311	4.30%	2.092%
74	14.292	2028	2032	2036	rVV	1249582	1924832	1.16%	0.562%
75	14.341	2037	2040	2044	rVB2	277949	402055	0.24%	0.117%
76	14.426	2049	2054	2056	rBV	1073959	1519589	0.91%	0.444%
77	14.463	2056	2060	2064	rVV3	2018605	3002009	1.80%	0.877%
78	14.505	2064	2067	2071	rVB	790247	964977	0.58%	0.282%
79	14.560	2071	2076	2081	rBV2	3275567	5142447	3.09%	1.502%
80	14.646	2087	2090	2094	rVB	325794	414312	0.25%	0.121%
81	14.694	2094	2098	2100	rBV2	585495	906872	0.54%	0.265%
82	14.731	2101	2104	2109	rVB2	1164223	1721681	1.03%	0.503%
83	14.798	2109	2115	2121	rBV2	2236346	4302896	2.59%	1.257%
84	14.871	2122	2127	2136	rVB5	2046873	4644539	2.79%	1.357%
85	14.956	2136	2141	2149	rVB2	2434125	4107189	2.47%	1.200%
86	15.072	2150	2160	2163	rBV6	1205496	3179736	1.91%	0.929%
87	15.182	2173	2178	2184	rBV3	1046283	2810921	1.69%	0.821%
88	15.322	2196	2201	2205	rBV3	1731644	3330277	2.00%	0.973%
89	15.371	2205	2209	2216	rVB2	3071603	5488486	3.30%	1.603%
90	15.475	2222	2226	2231	rBV2	974860	1581374	0.95%	0.462%
91	15.566	2238	2241	2248	rVB2	797323	1168273	0.70%	0.341%
92	15.664	2252	2257	2260	rBV3	998283	1928915	1.16%	0.564%
93	15.804	2275	2280	2283	rBV2	1264250	2374180	1.43%	0.694%
94	15.853	2284	2288	2293	rVB2	2393631	4266023	2.56%	1.246%
95	15.975	2301	2308	2313	rBV2	2656302	6366408	3.83%	1.860%
96	16.255	2350	2354	2367	rVB	1386100	3390217	2.04%	0.990%
97	16.383	2368	2375	2378	rVV6	545480	1425503	0.86%	0.416%
98	16.456	2378	2387	2401	rVB2	66851287	166425456	100.00%	48.619%
99	16.578	2402	2407	2411	rBV4	378942	813977	0.49%	0.238%
100	16.657	2411	2420	2429	rVB	30291958	68216461	40.99%	19.929%

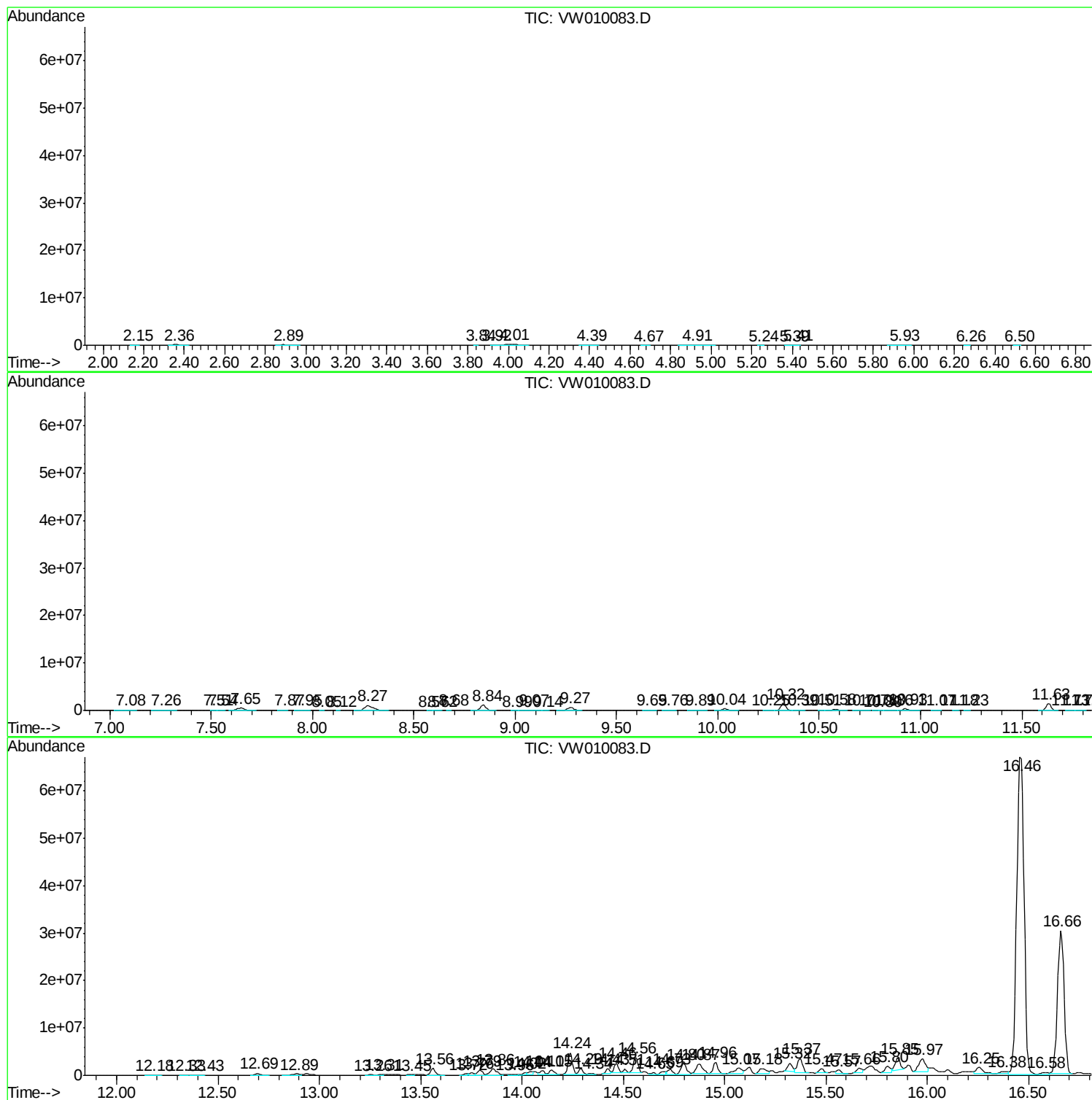
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Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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



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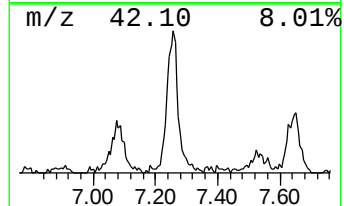
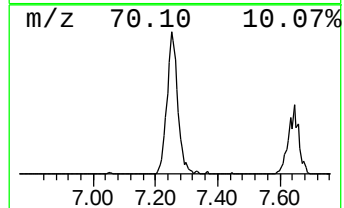
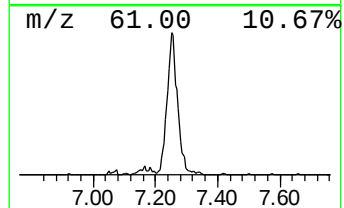
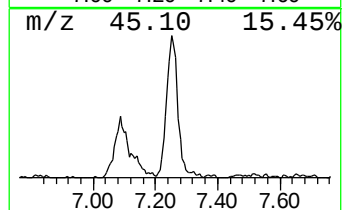
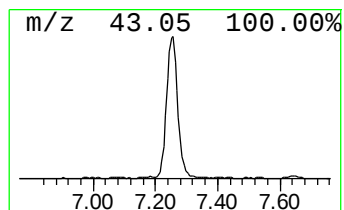
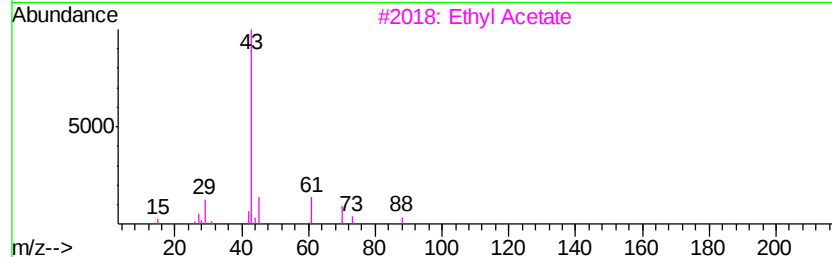
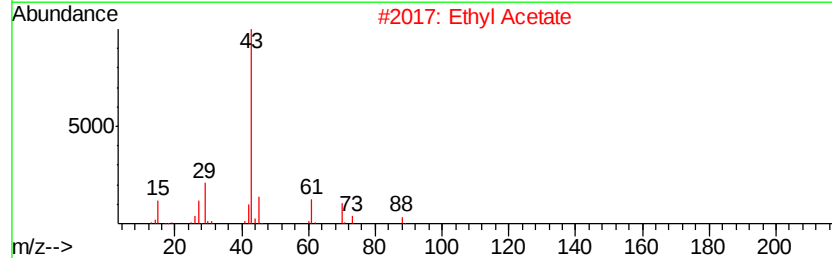
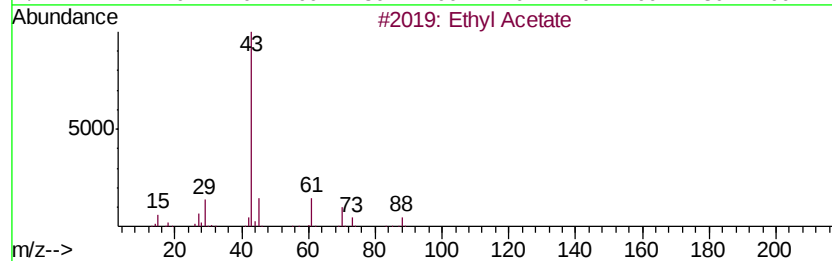
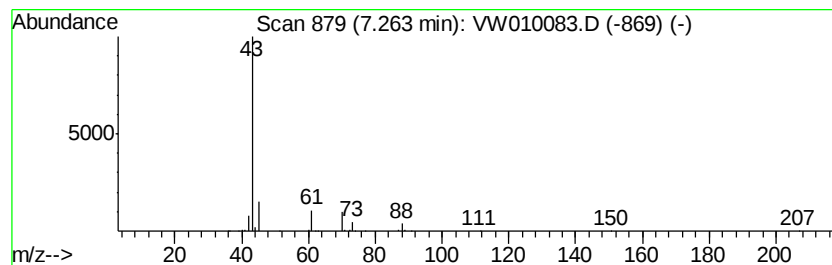
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 1 Ethyl Acetate Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	2.21 ug/L	188548	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2		Ethyl Acetate	88	C4H8O2	000141-78-6	86
3		Ethyl Acetate	88	C4H8O2	000141-78-6	86
4		Ethyl Acetate	88	C4H8O2	000141-78-6	64
5		CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	33



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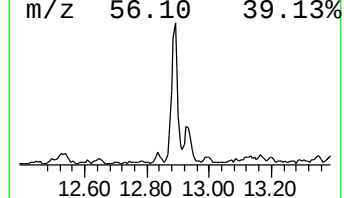
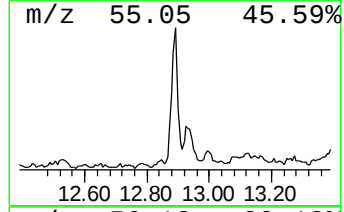
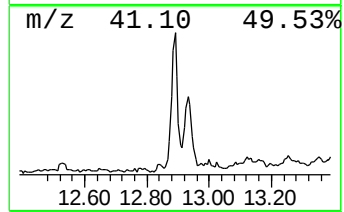
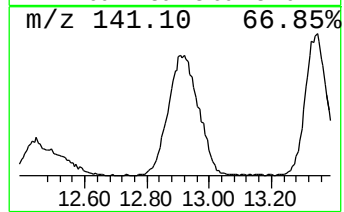
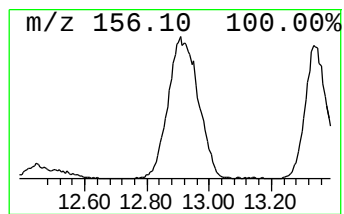
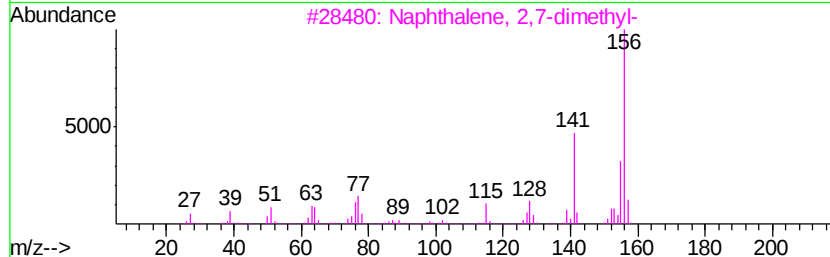
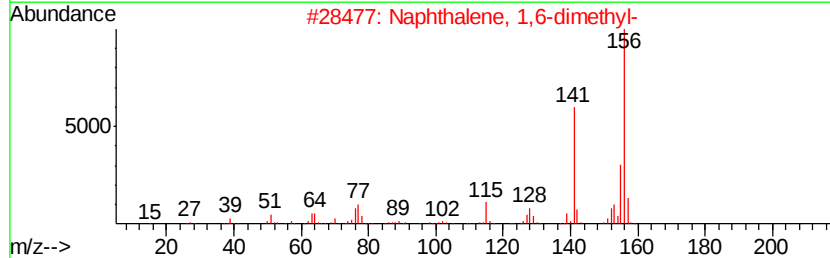
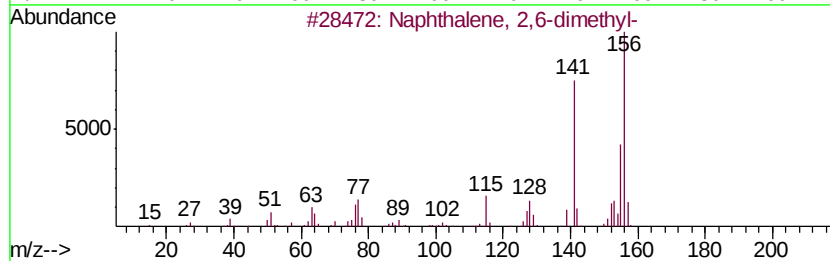
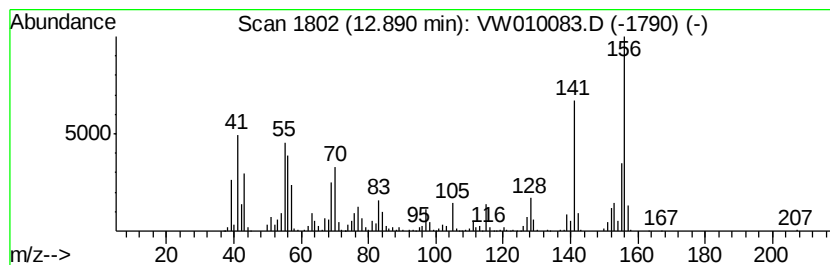
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Quant Title : VOC Analysis

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

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	9.50 ug/L	867462	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 96
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96



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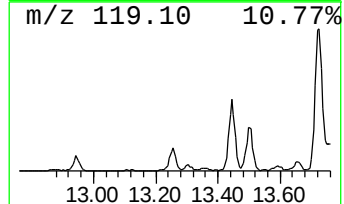
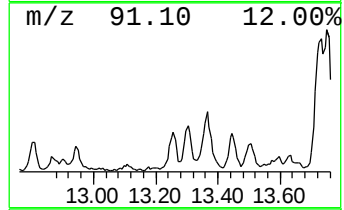
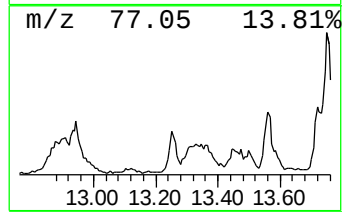
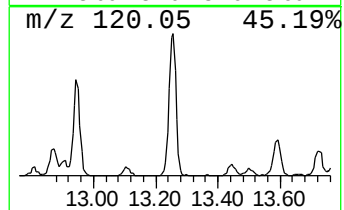
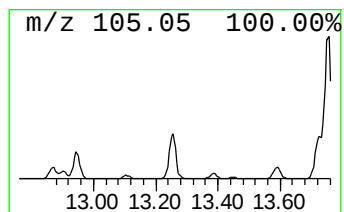
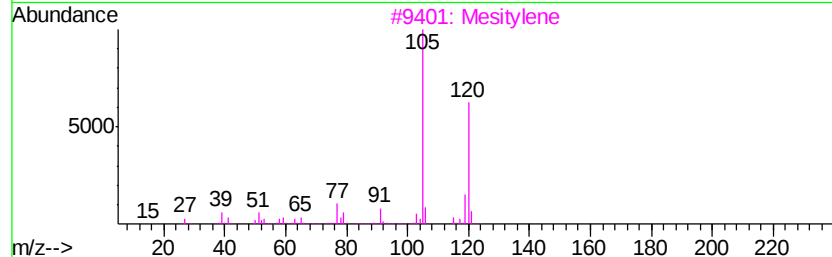
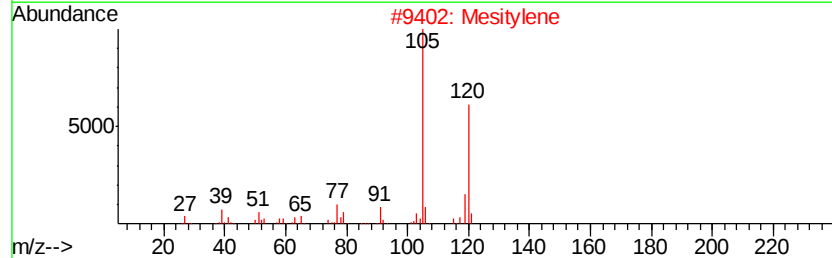
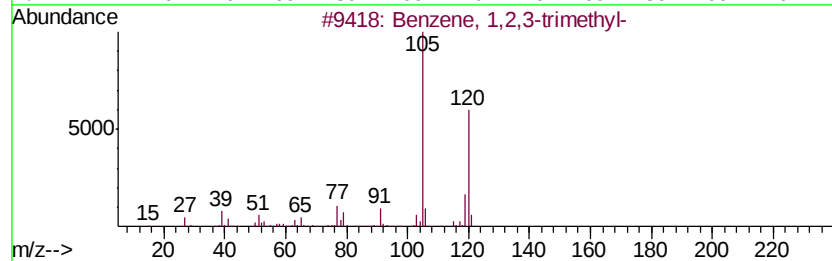
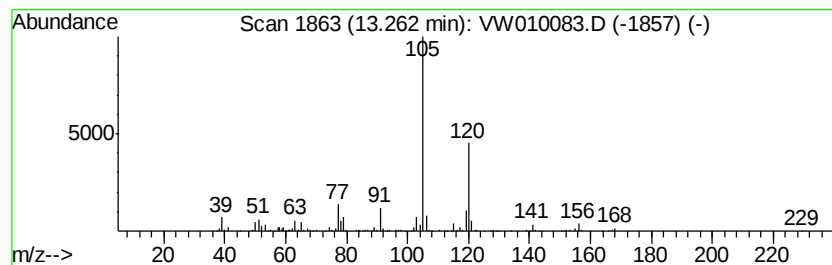
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Quant Title : VOC Analysis

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

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.68 ug/L	244730	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

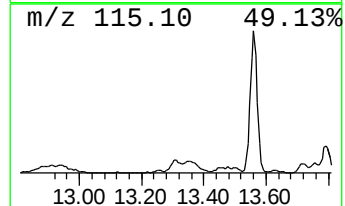
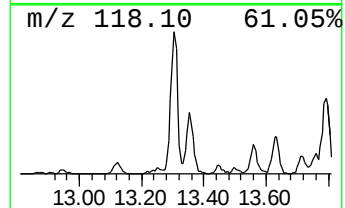
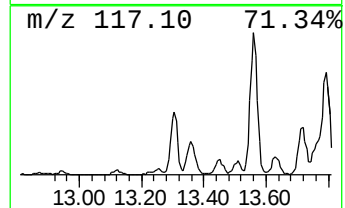
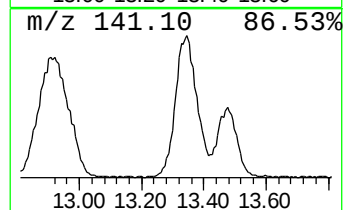
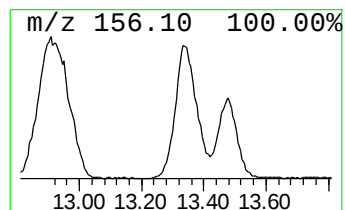
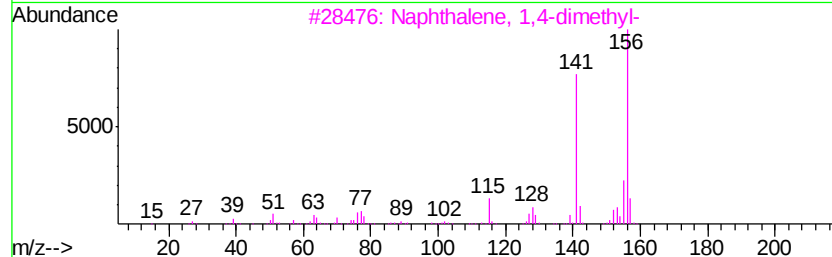
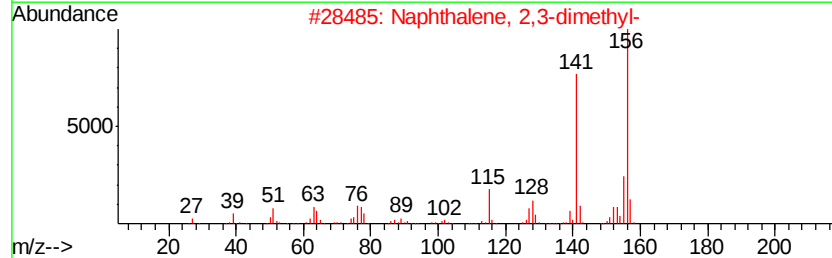
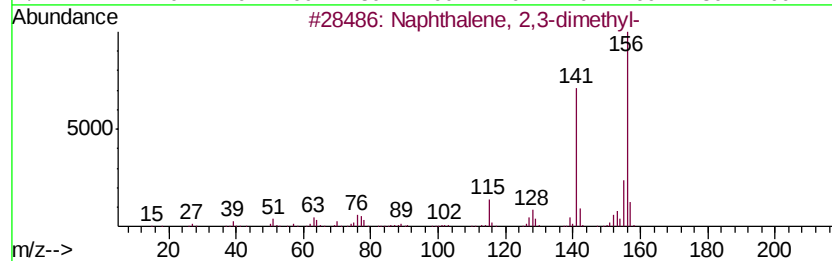
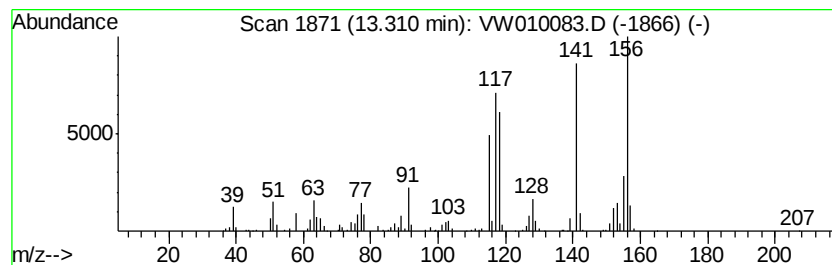
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Quant Title : VOC Analysis

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	2.24 ug/L	204757	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

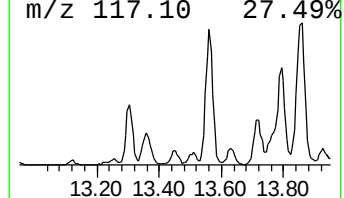
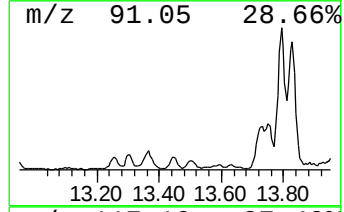
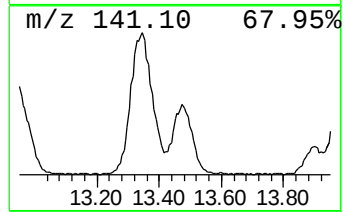
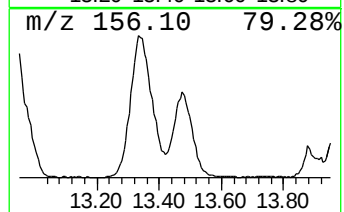
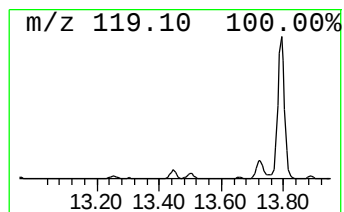
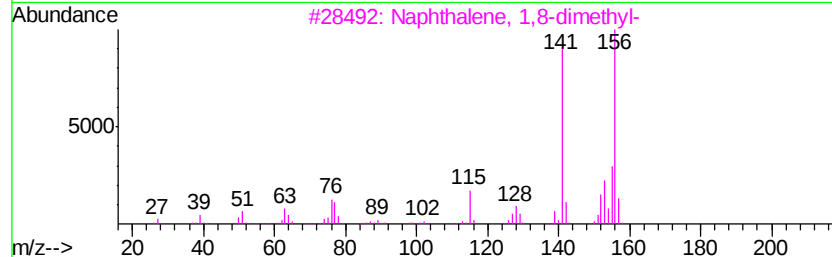
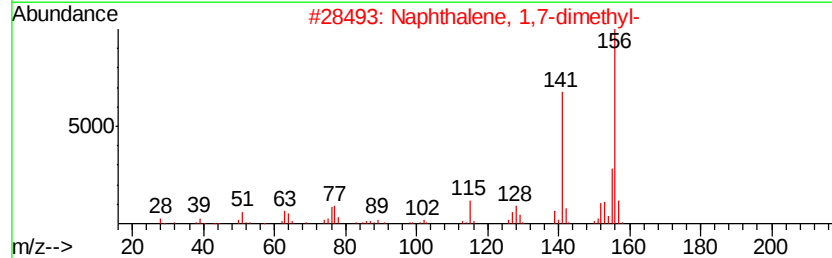
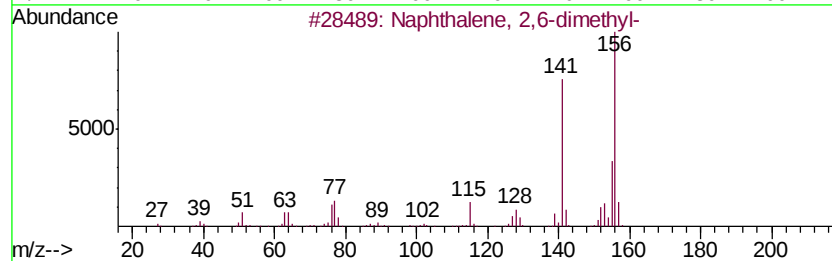
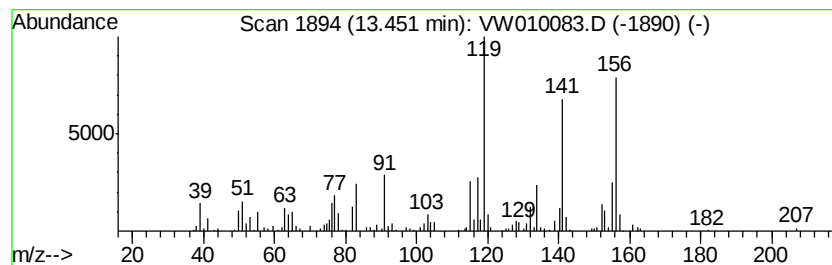
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Quant Title : VOC Analysis

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

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	1.85 ug/L	168864	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	64
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	64
3		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	60
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	55
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

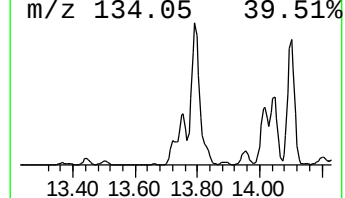
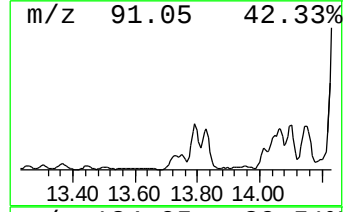
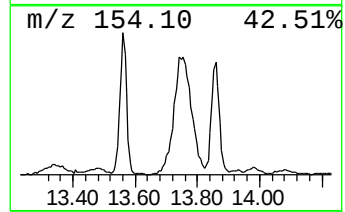
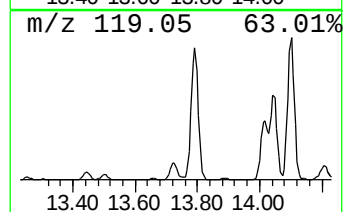
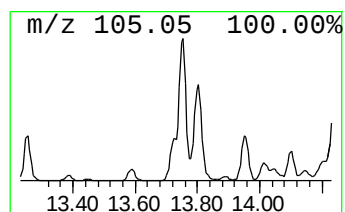
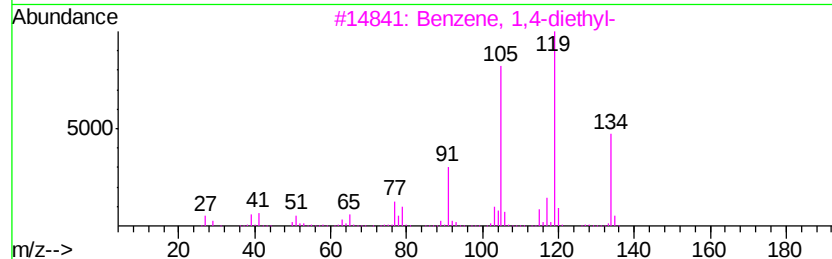
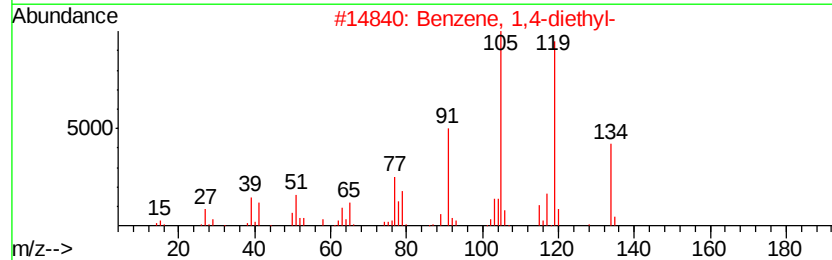
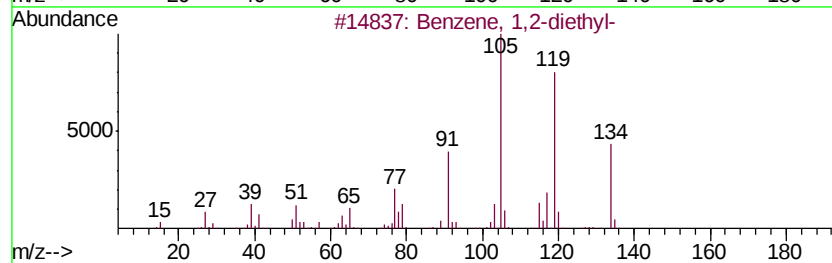
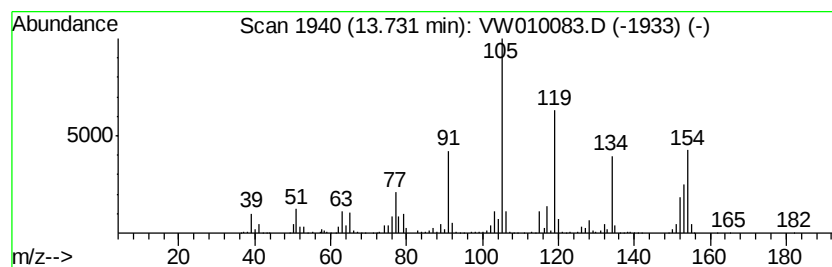
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	5.01 ug/L	457539	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	98
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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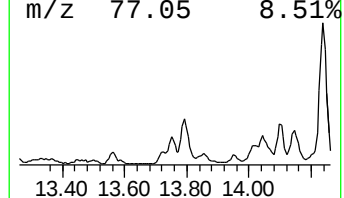
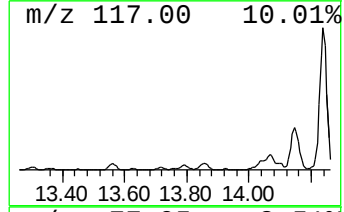
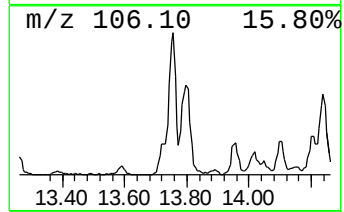
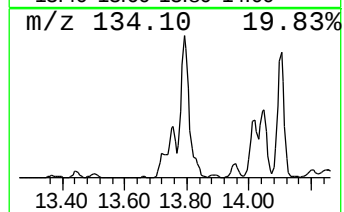
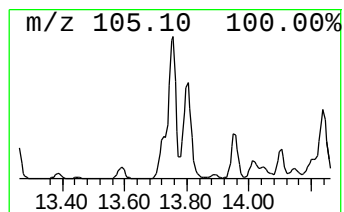
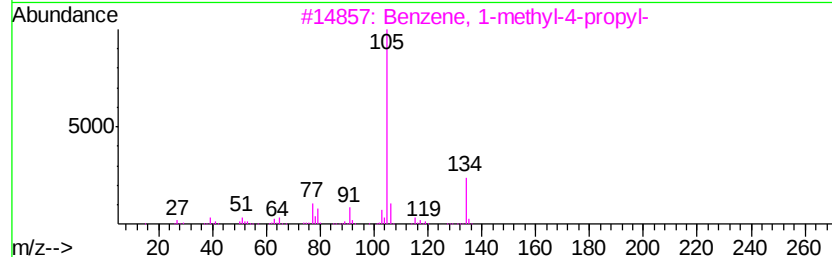
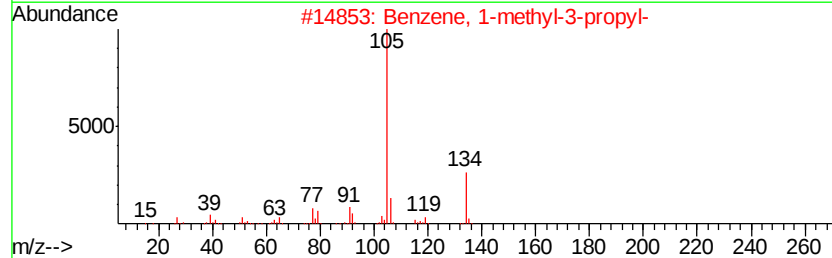
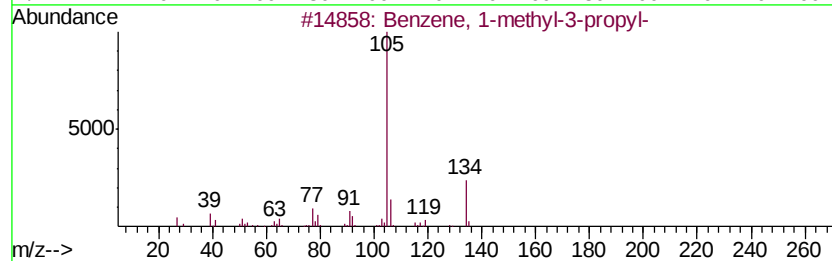
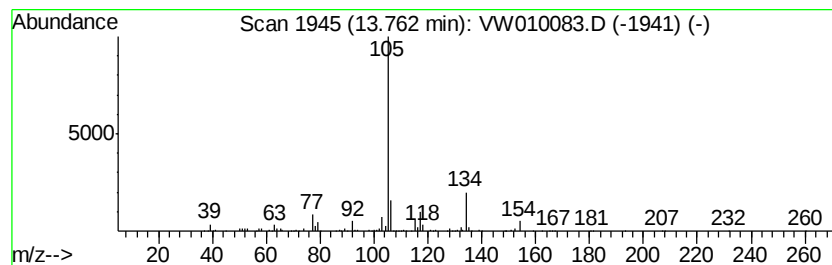
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-methyl-3-propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.34 ug/L	761311	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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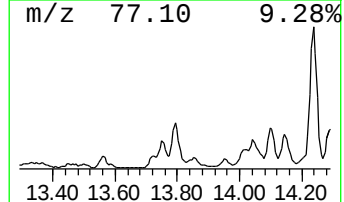
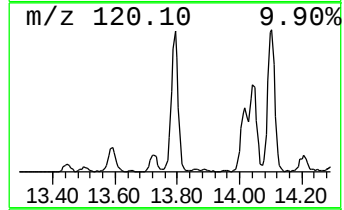
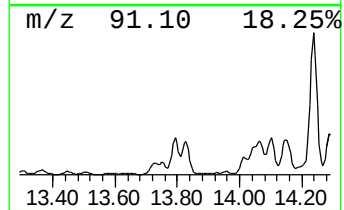
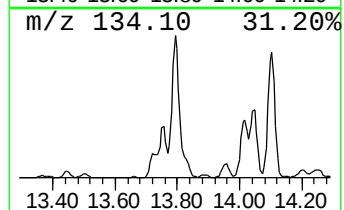
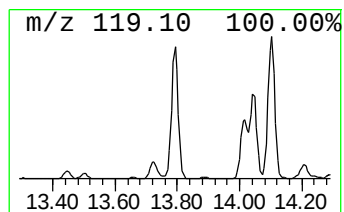
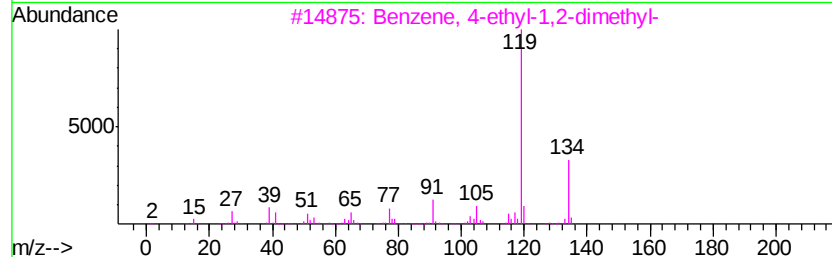
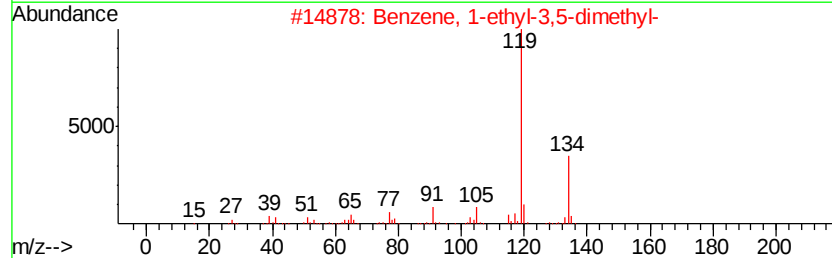
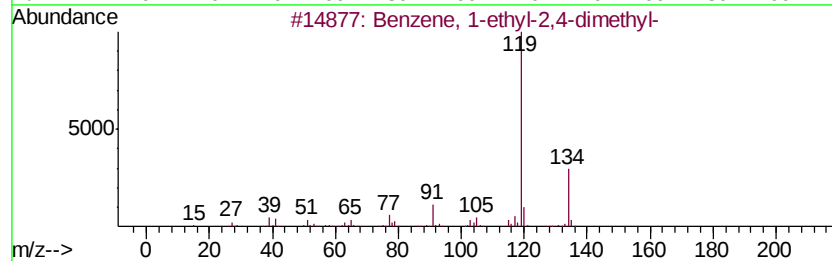
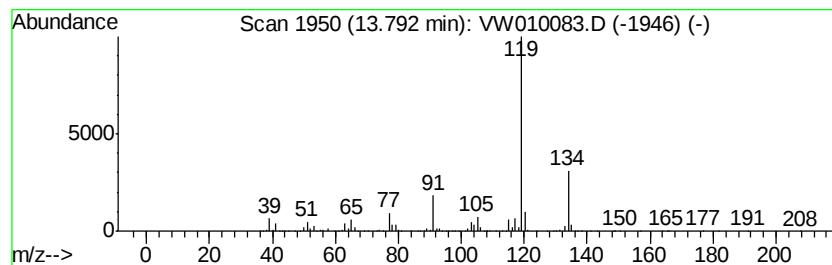
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	21.20 ug/L	1934800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

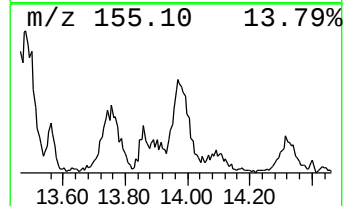
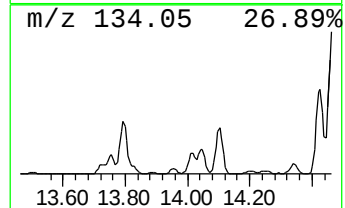
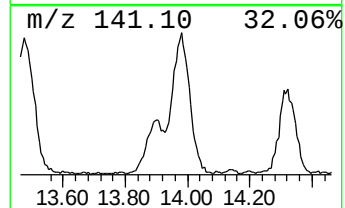
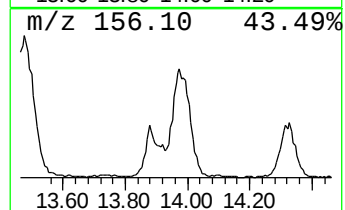
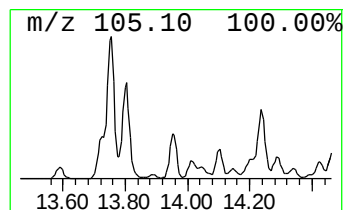
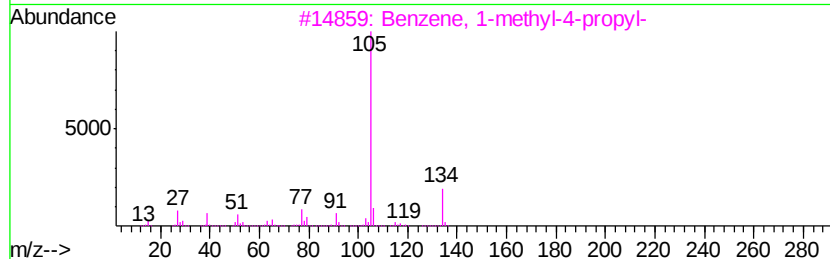
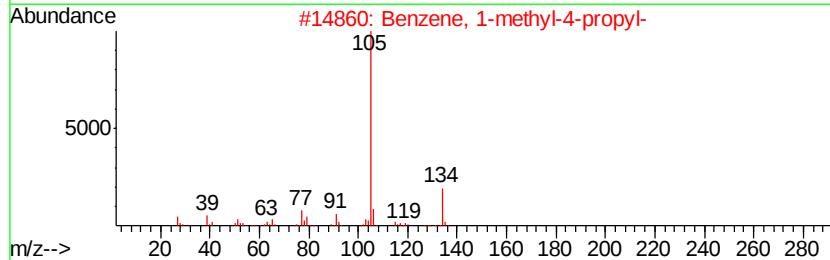
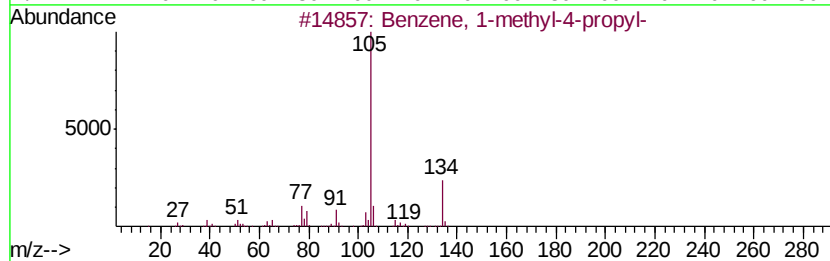
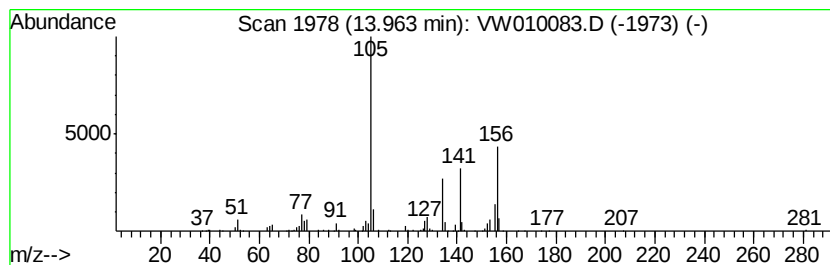
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	3.63 ug/L	331723	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55
4		2-Tolyloxirane	134	C9H10O	002783-26-8	46
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

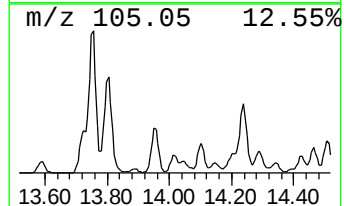
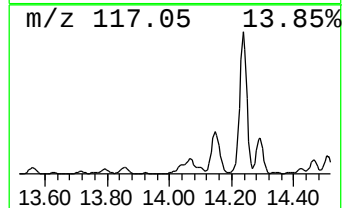
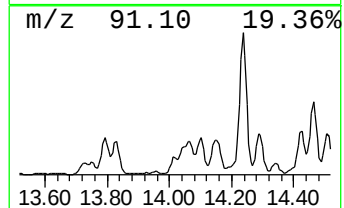
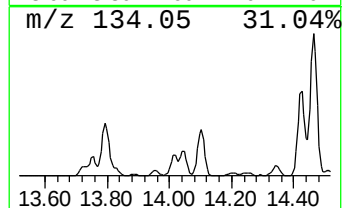
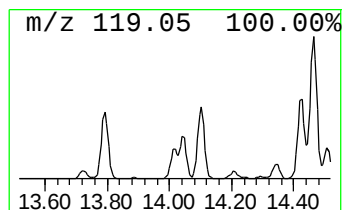
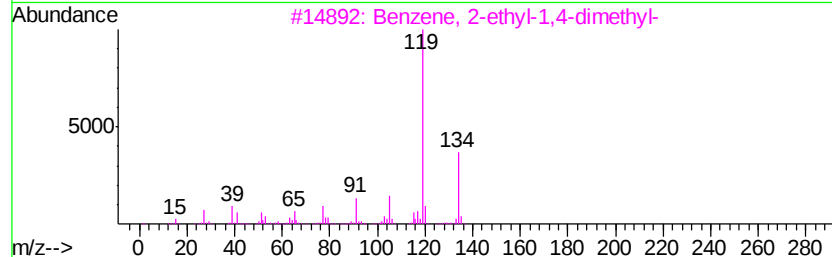
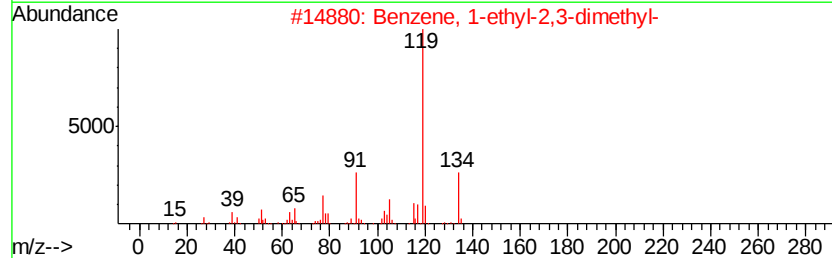
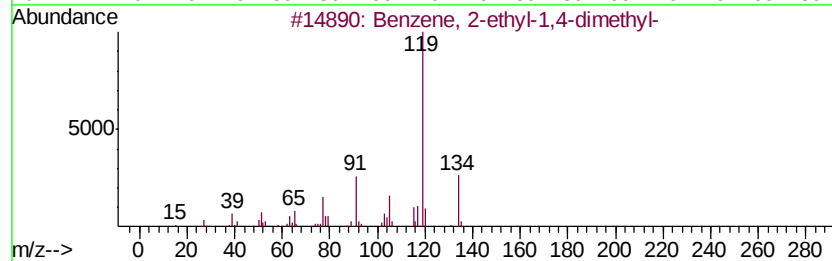
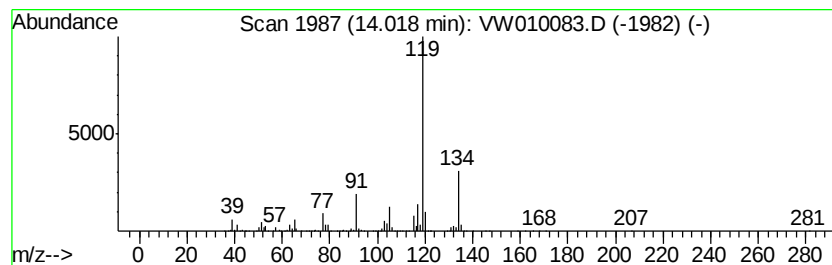
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	7.44 ug/L	678931	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	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

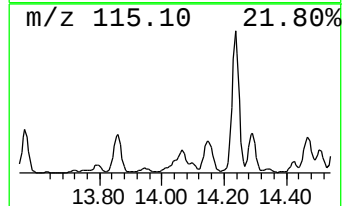
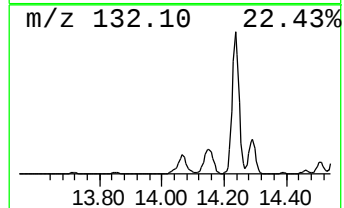
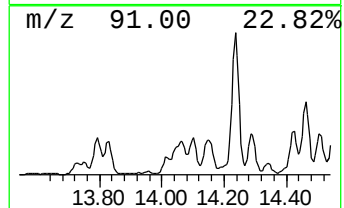
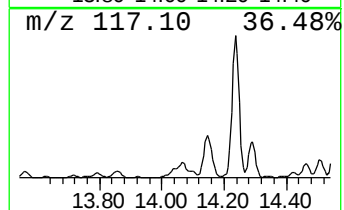
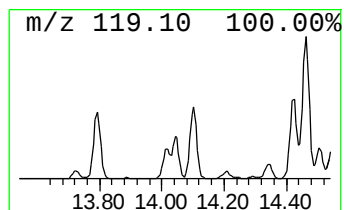
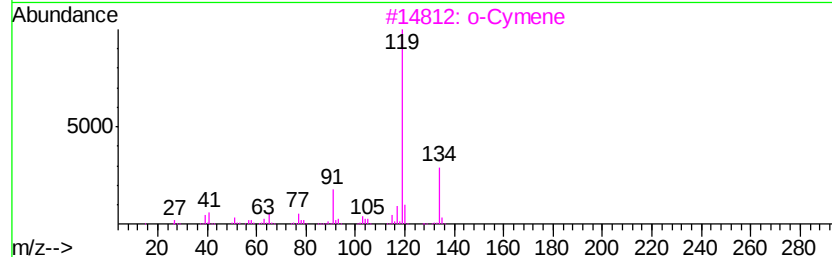
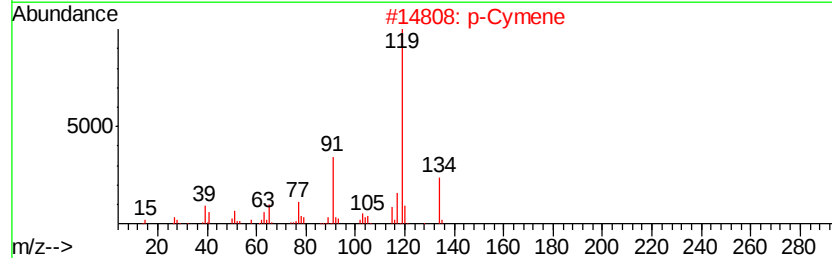
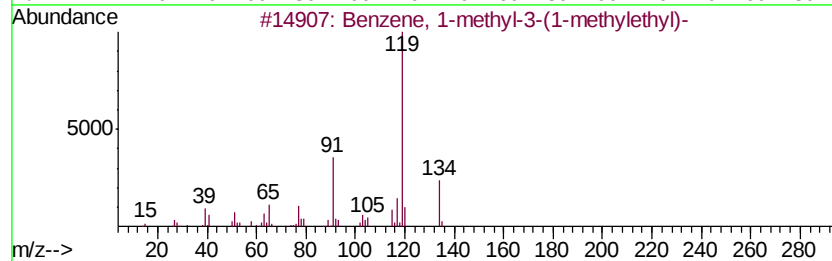
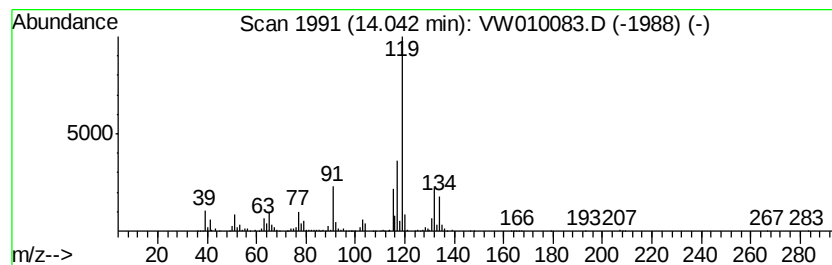
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1-methyl-3-(1-meth... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	12.70 ug/L	1159480	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
2		p-Cymene	134	C10H14	000099-87-6	64
3		o-Cymene	134	C10H14	000527-84-4	58
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
5		o-Cymene	134	C10H14	000527-84-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

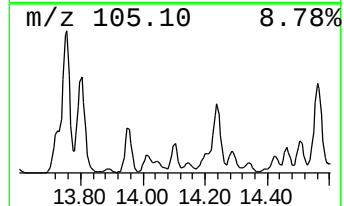
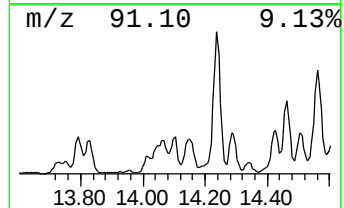
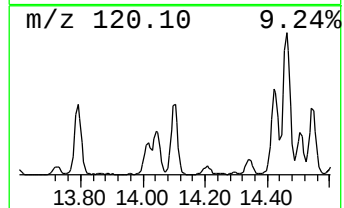
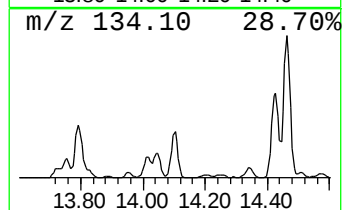
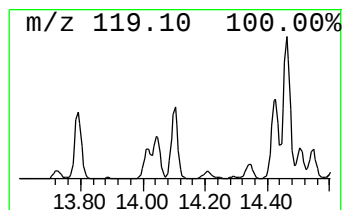
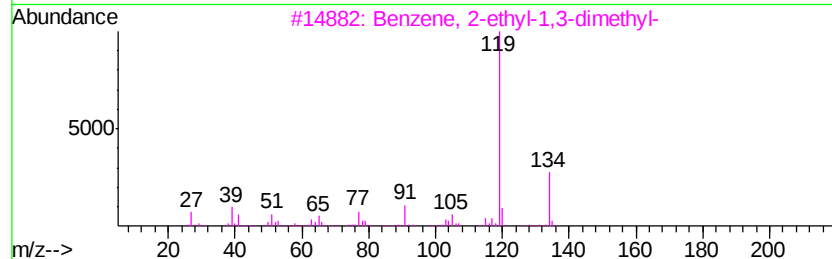
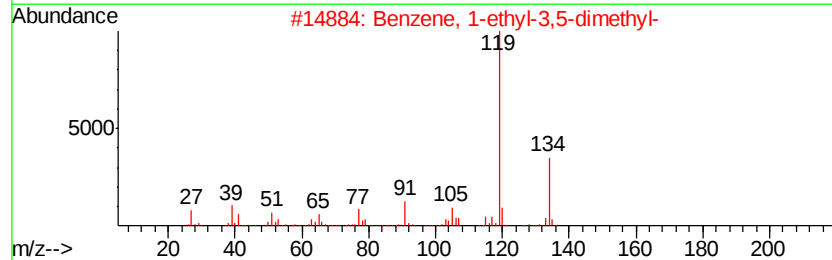
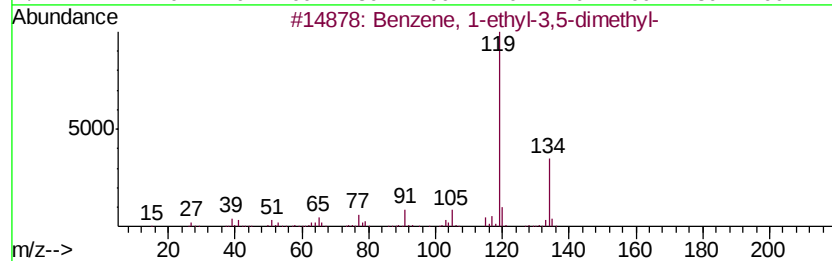
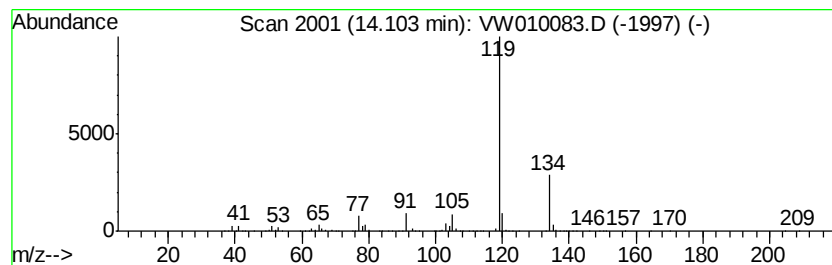
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	17.01 ug/L	1552390	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

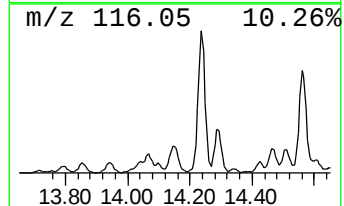
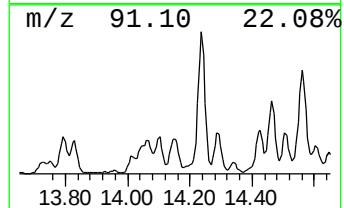
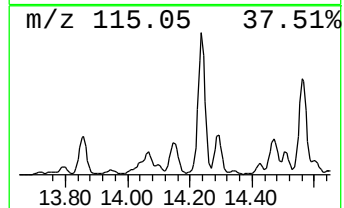
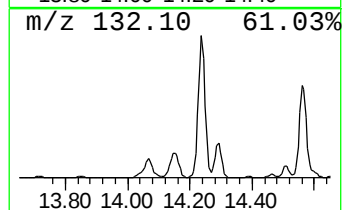
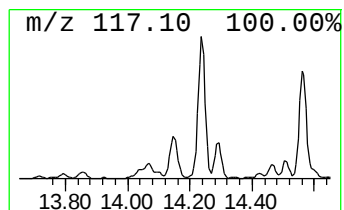
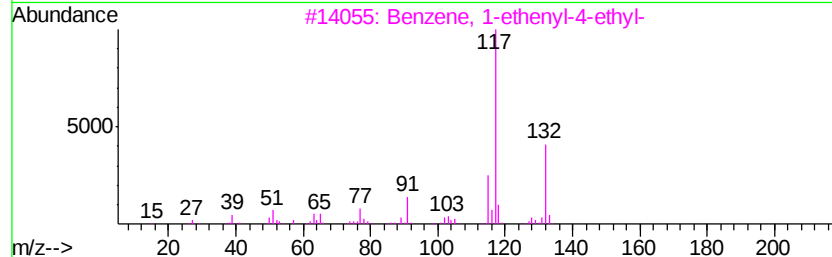
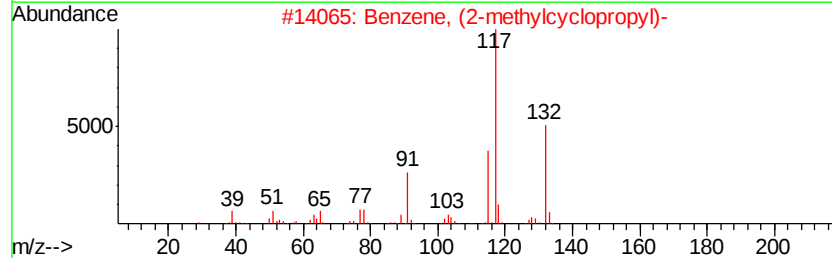
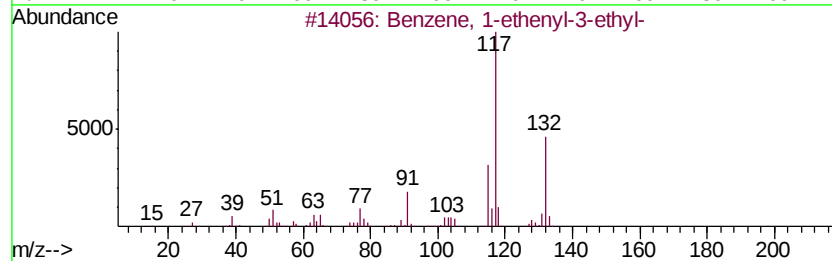
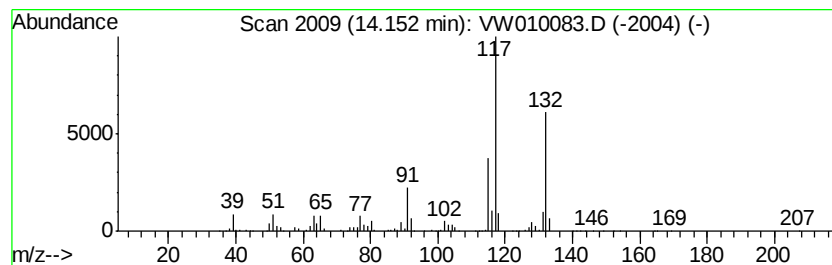
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	20.94 ug/L	1911020	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
2		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

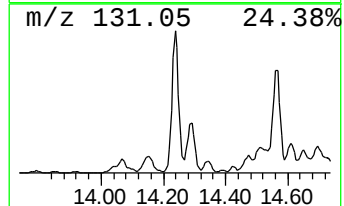
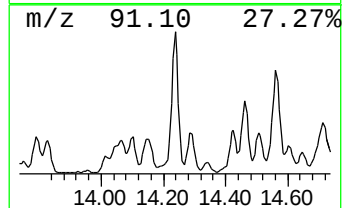
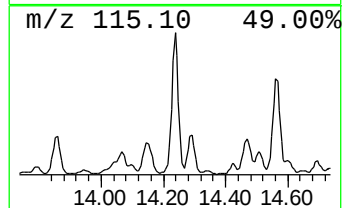
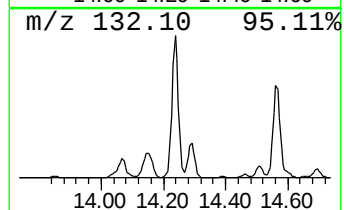
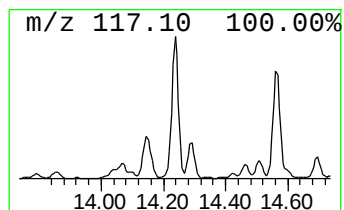
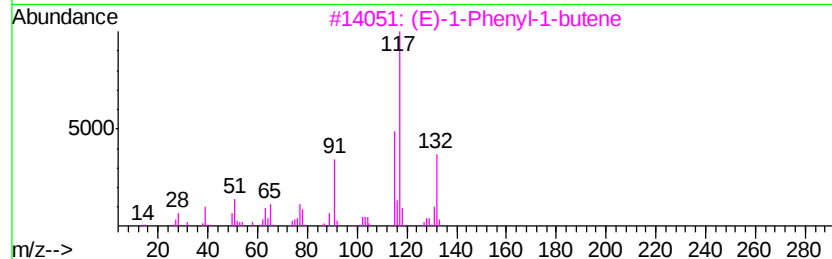
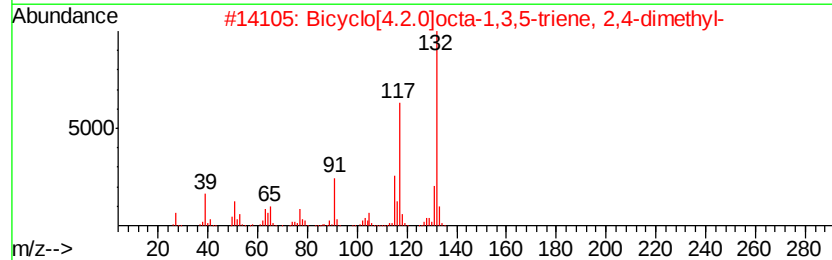
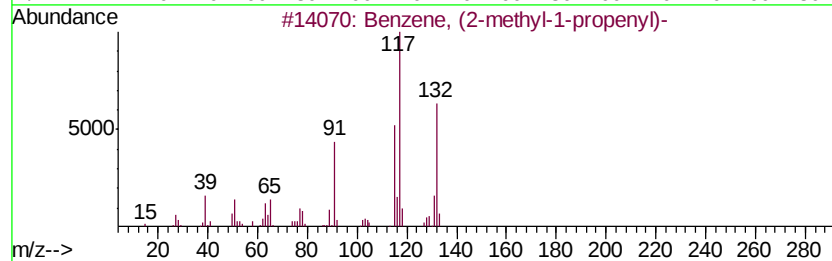
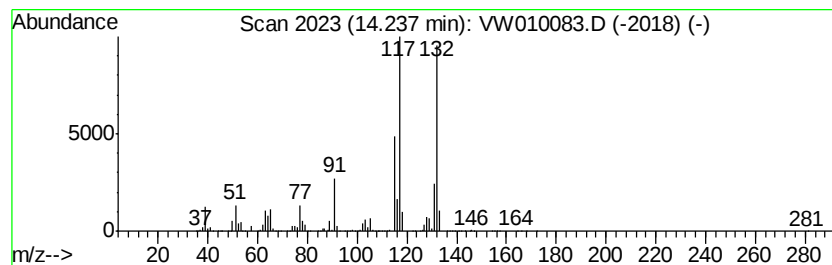
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, (2-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	78.44 ug/L	7160310	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
3		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

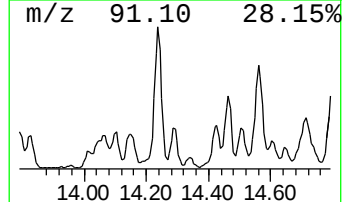
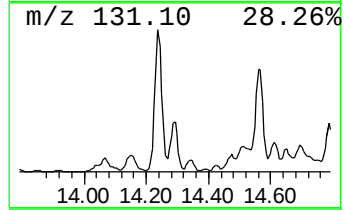
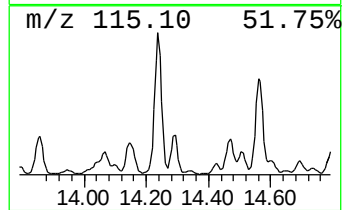
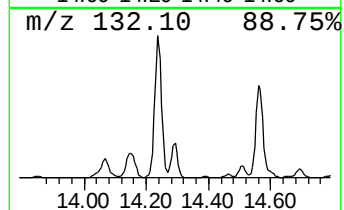
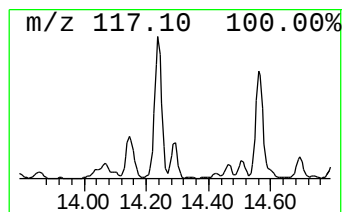
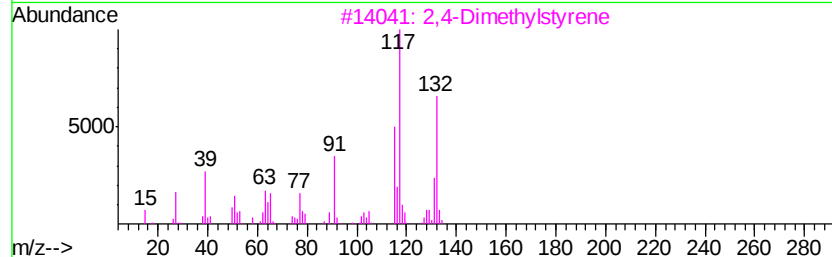
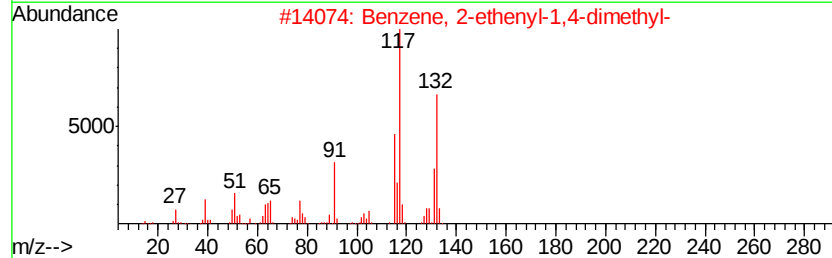
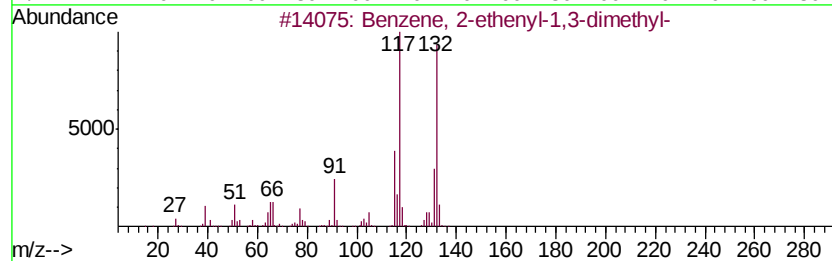
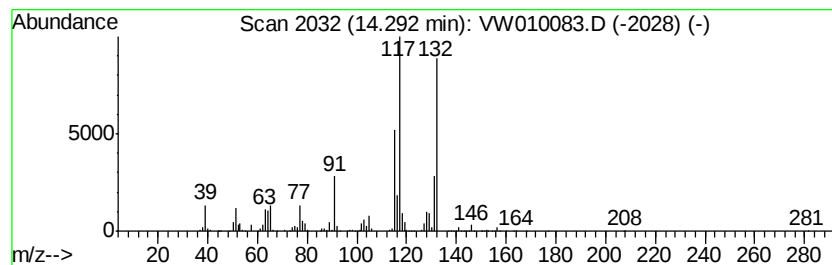
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	21.09 ug/L	1924830	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

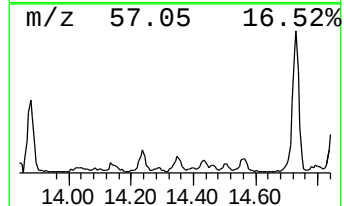
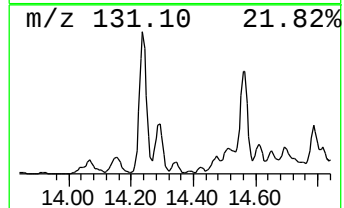
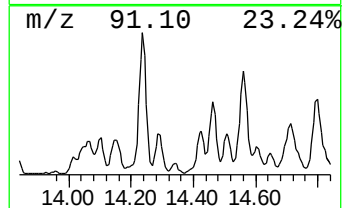
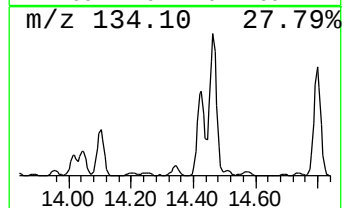
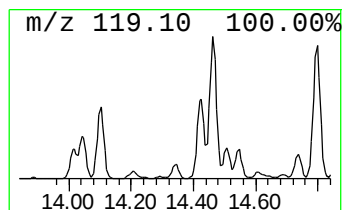
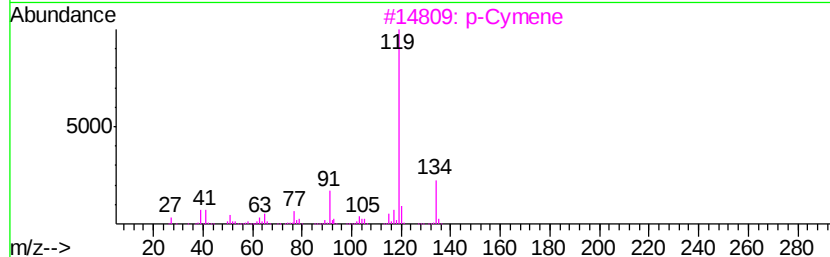
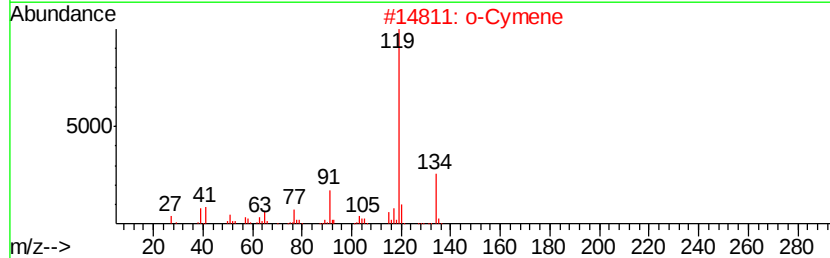
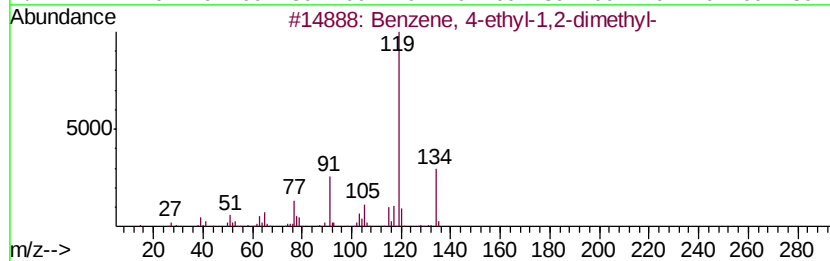
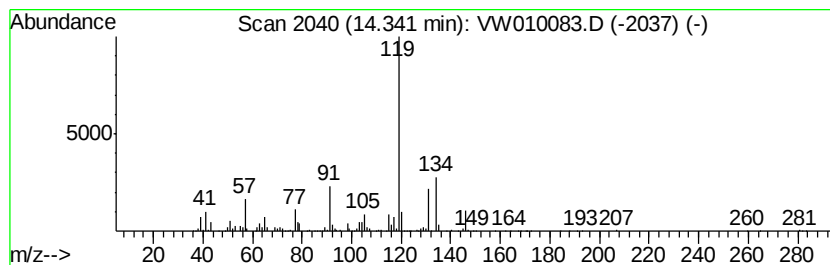
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	4.40 ug/L	402055	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	96
2		o-Cymene	134	C10H14	000527-84-4	94
3		p-Cymene	134	C10H14	000099-87-6	93
4		o-Cymene	134	C10H14	000527-84-4	93
5		o-Cymene	134	C10H14	000527-84-4	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

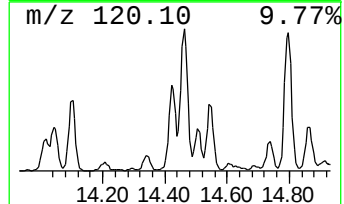
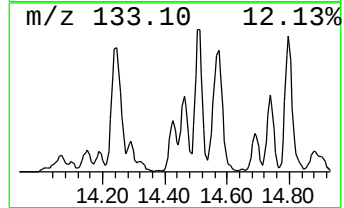
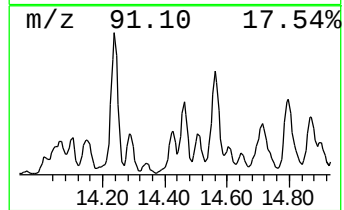
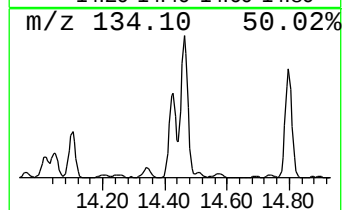
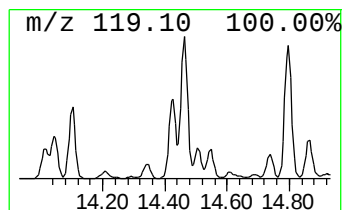
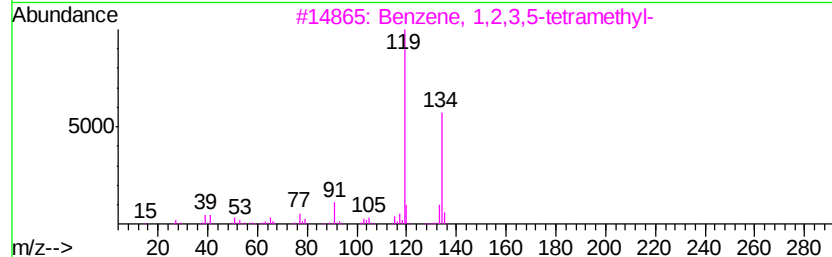
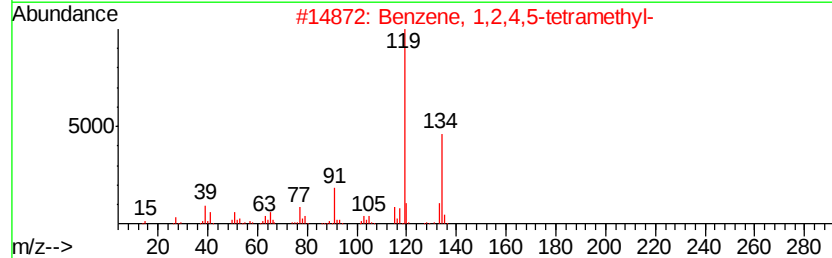
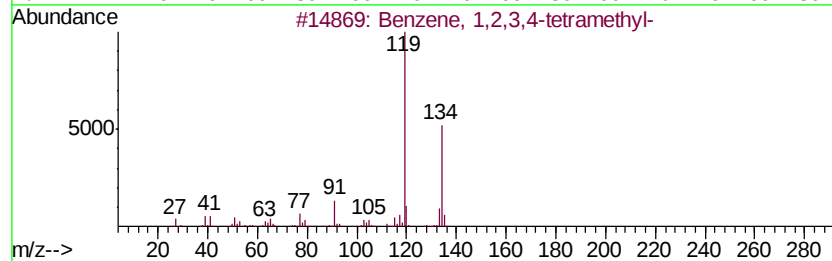
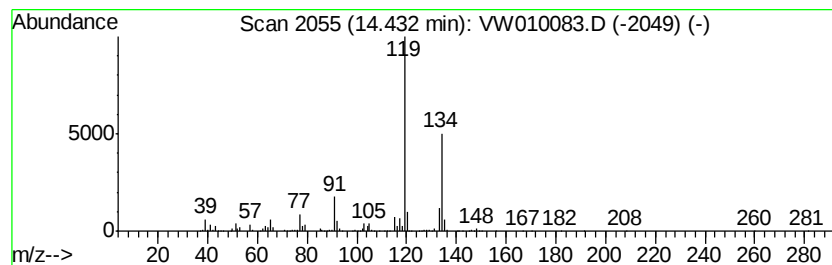
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	16.65 ug/L	1519590	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

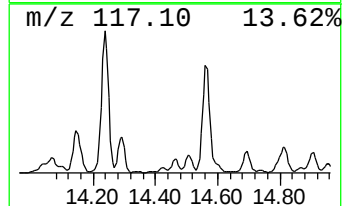
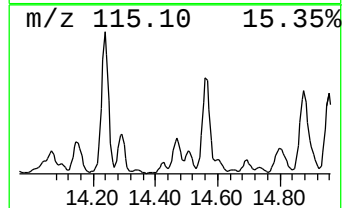
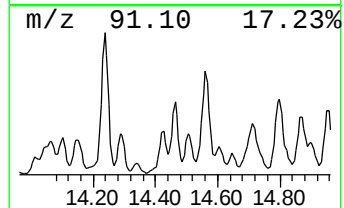
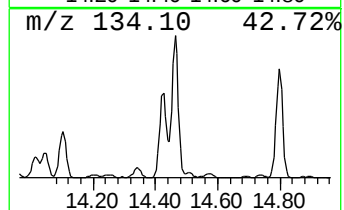
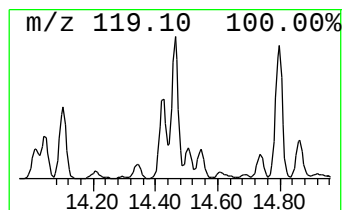
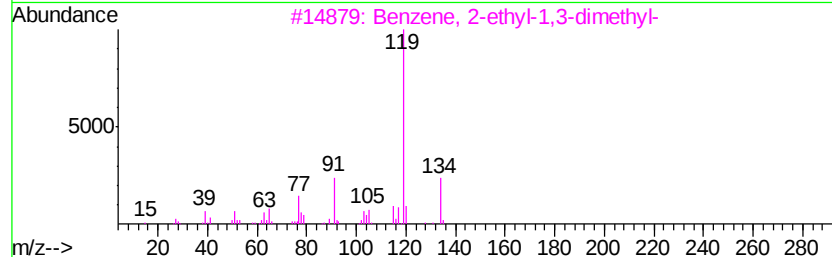
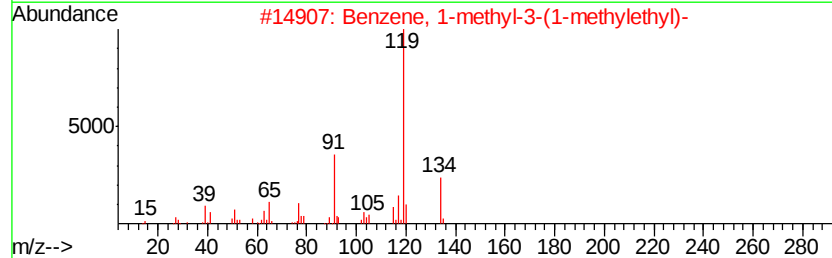
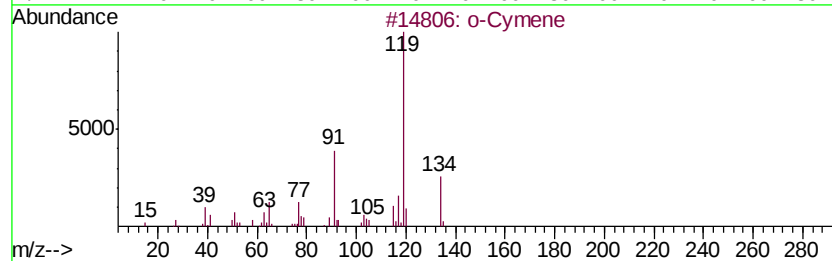
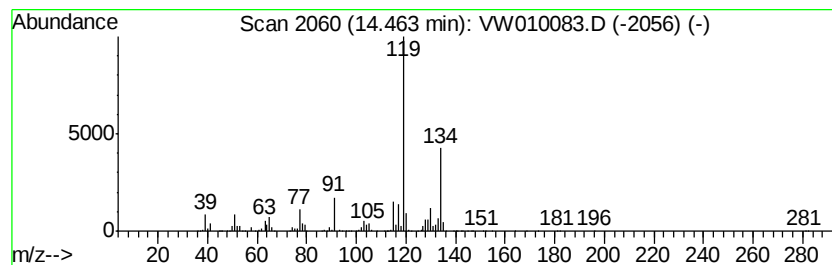
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Quant Title : VOC Analysis

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

Peak Number 19 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	32.89 ug/L	3002010	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		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

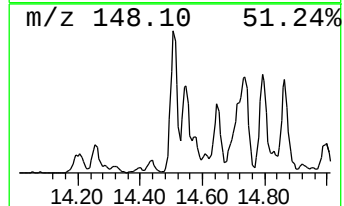
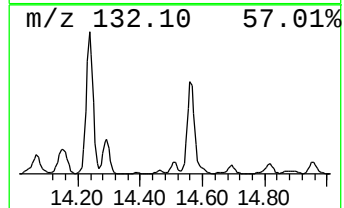
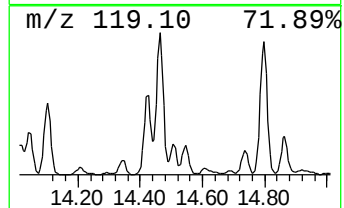
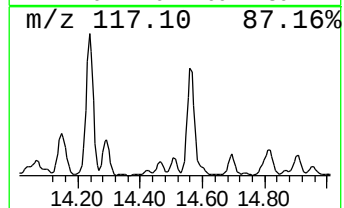
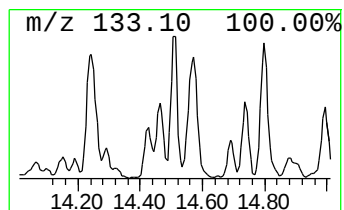
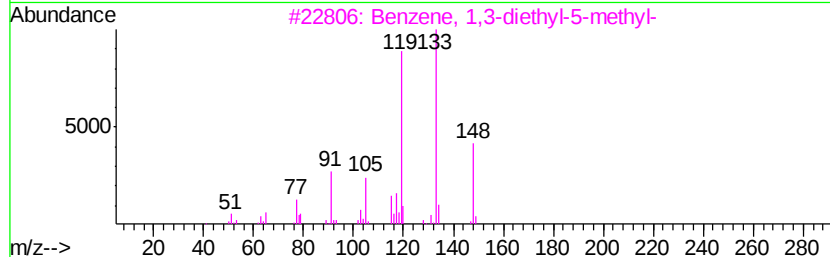
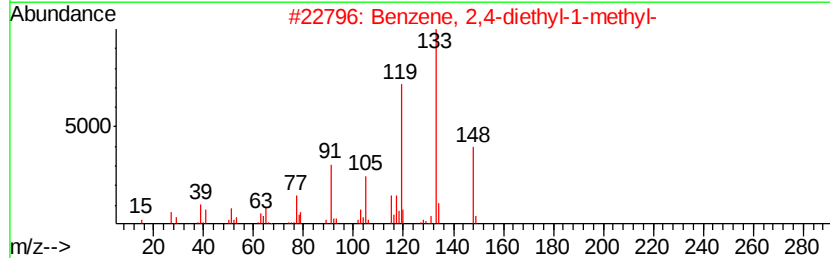
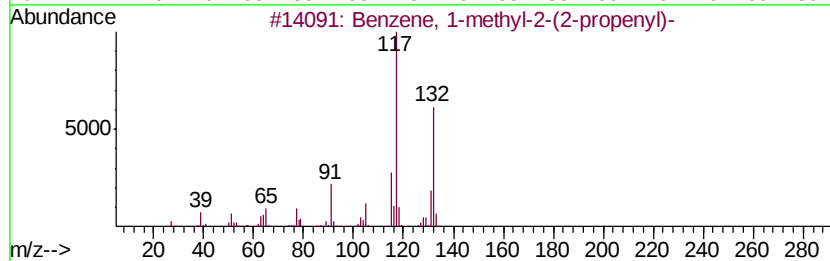
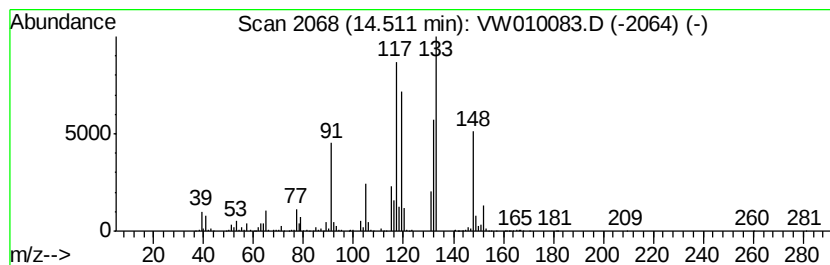
Instrument :
MSVOA_W
ClientSampleId :
GAHR0

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

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

Peak Number 20 Benzene, 1-methyl-2-(2-prop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	10.57 ug/L	964977	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8	83
2	Benzene, 2,4-diethyl-1-methyl-	148 C11H16	001758-85-6	64
3	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	64
4	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	60
5	Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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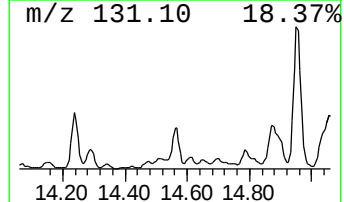
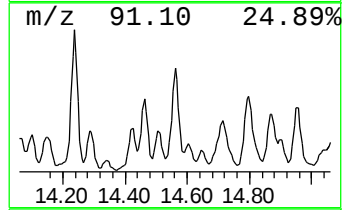
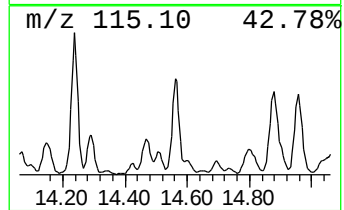
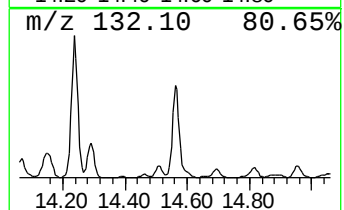
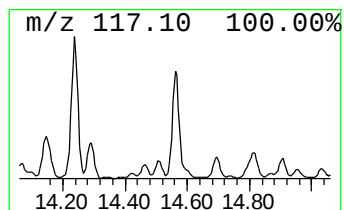
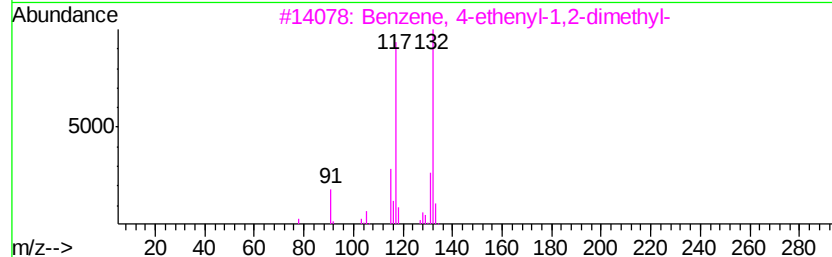
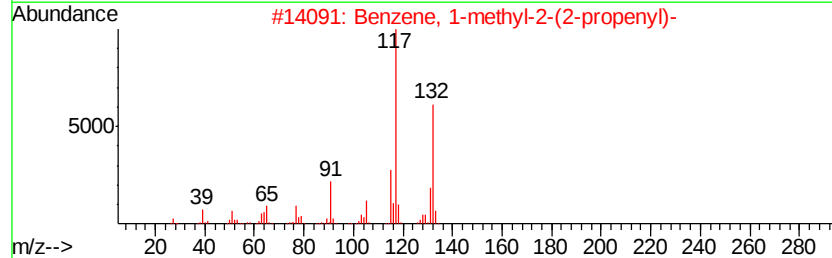
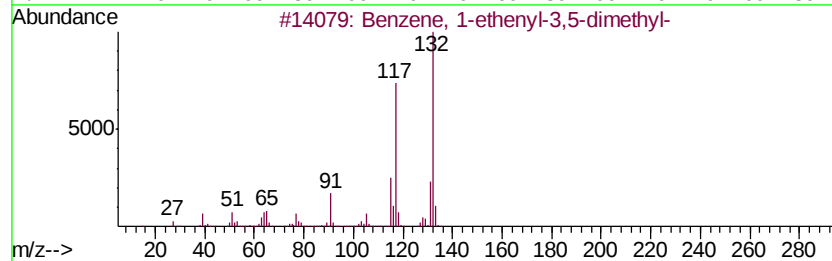
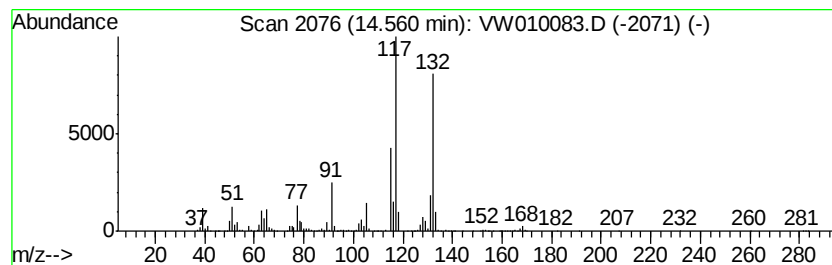
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	56.34 ug/L	5142450	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	96
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
3		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	95
5		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

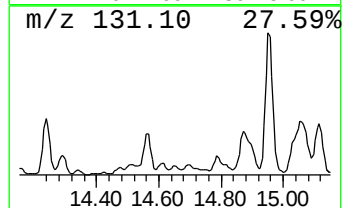
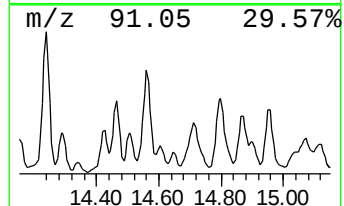
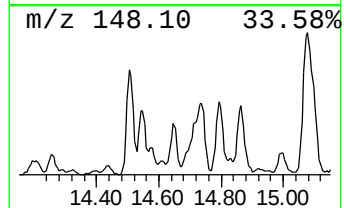
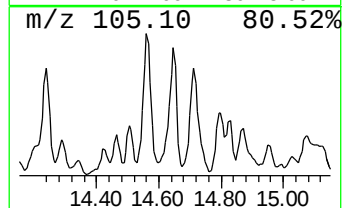
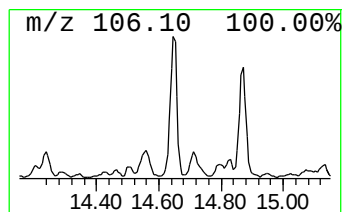
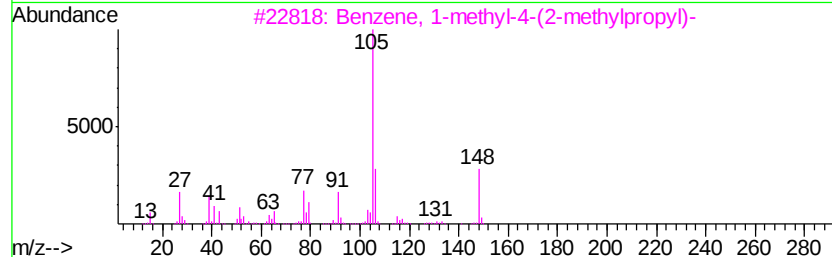
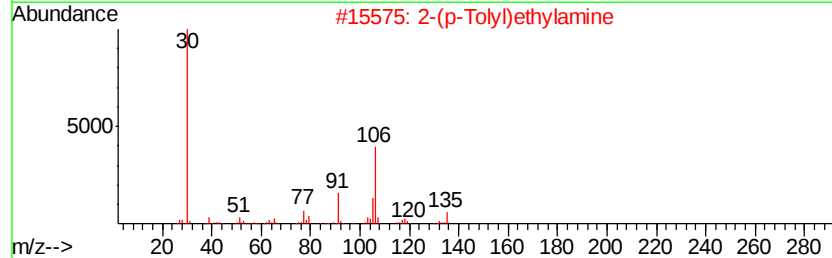
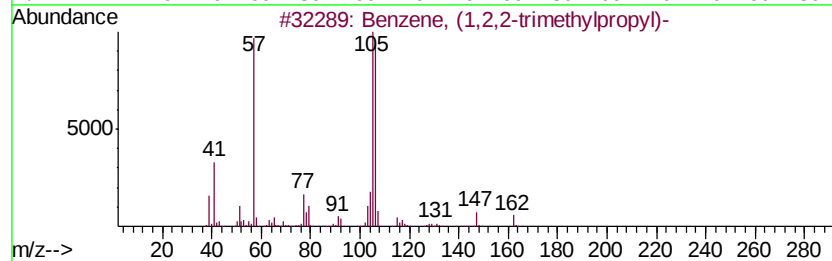
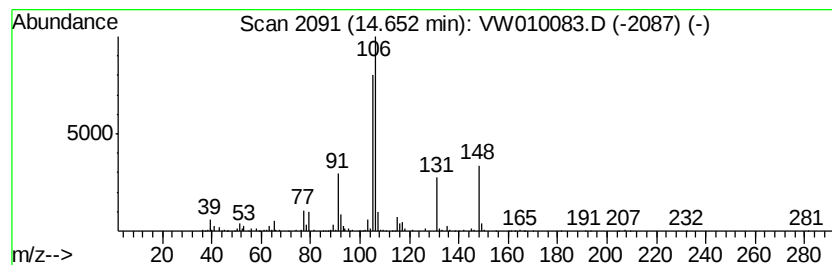
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 22 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.65	4.54 ug/L	414312	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2,2-trimethylpropyl)-	162	C12H18	019262-20-5	47
2	2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	47
3	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	43
4	(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	43
5	(3-Methylphenyl) methanol, 3-met...	192	C13H20O	1000374-58-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
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ALS Vial : 1 Sample Multiplier: 1

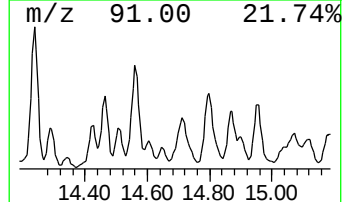
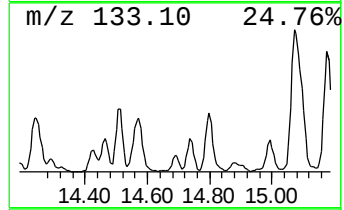
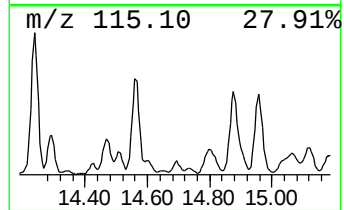
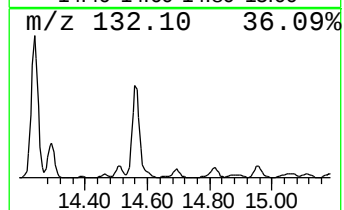
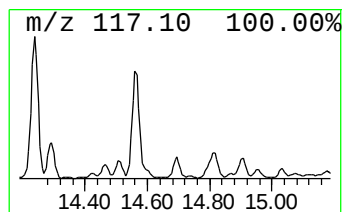
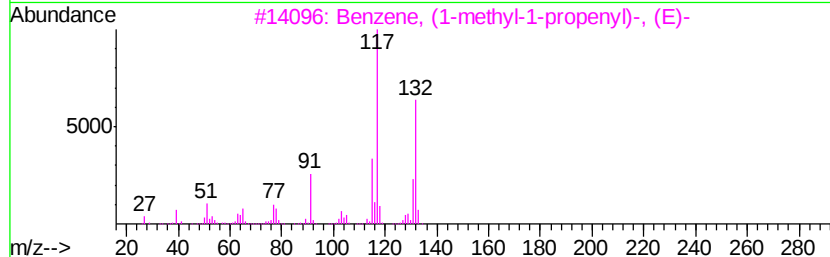
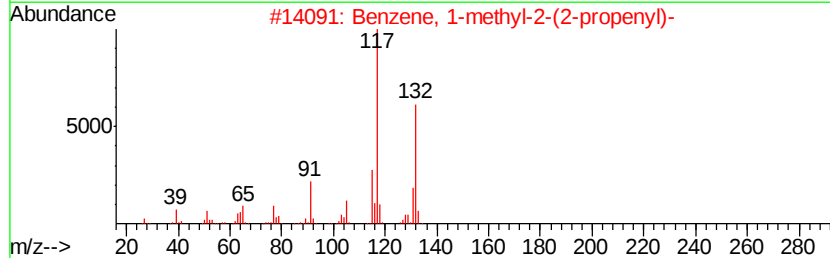
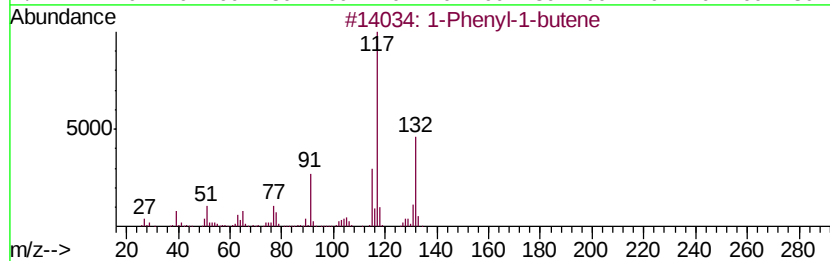
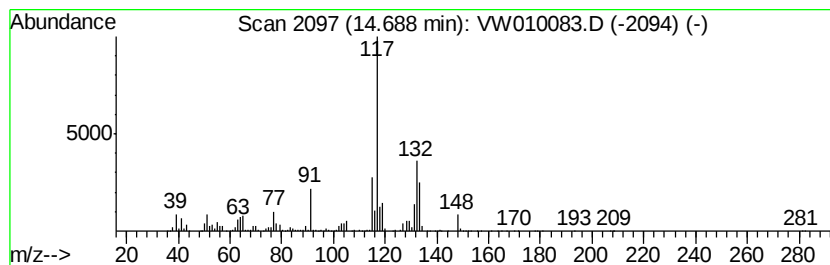
Instrument :
MSVOA_W
ClientSampleId :
GAHR0

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

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

Peak Number 23 1-Phenyl-1-butene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.69	9.94 ug/L	906872	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	87
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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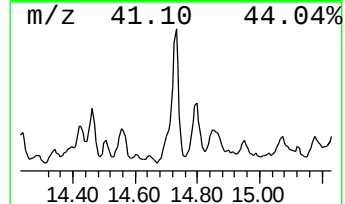
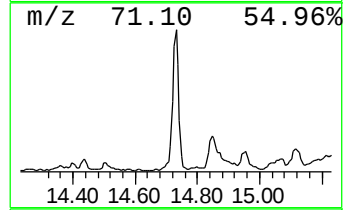
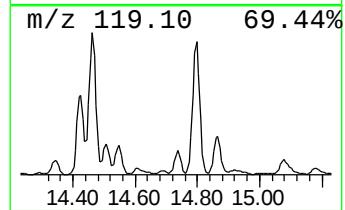
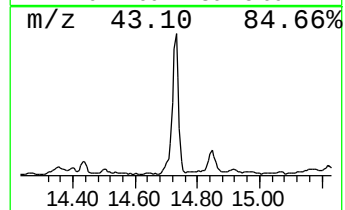
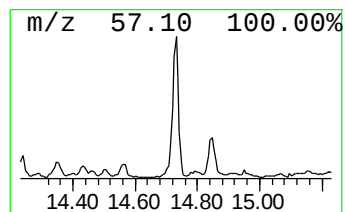
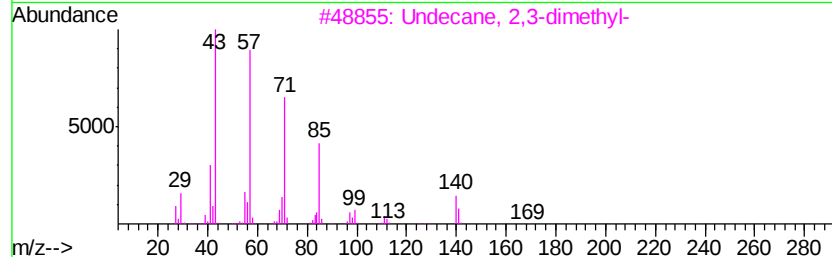
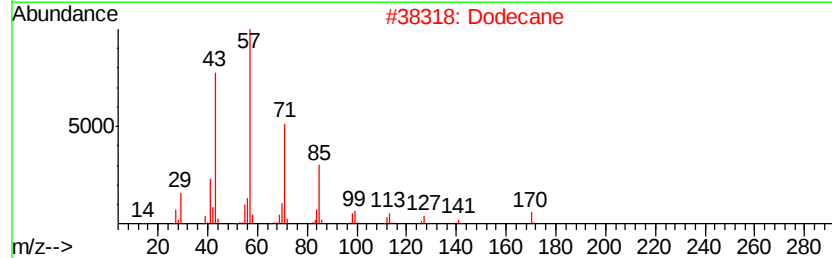
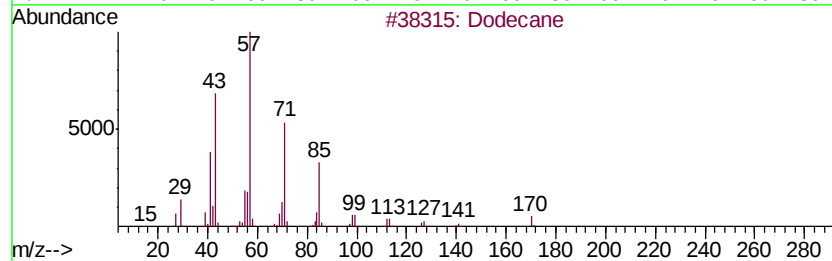
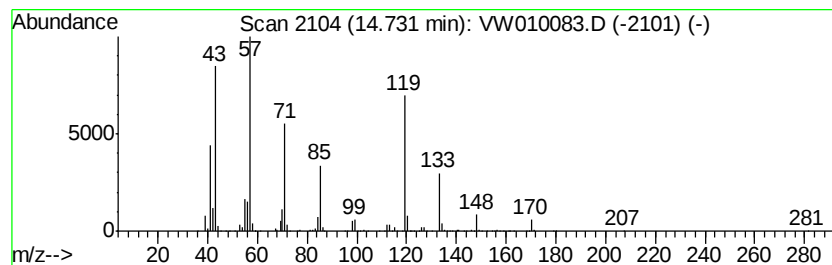
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	18.86 ug/L	1721680	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	70
2		Dodecane	170	C12H26	000112-40-3	55
3		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	43
4		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	43
5		Tridecane	184	C13H28	000629-50-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

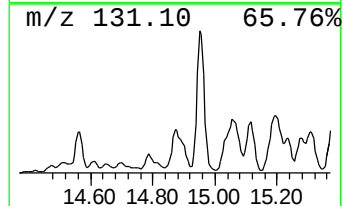
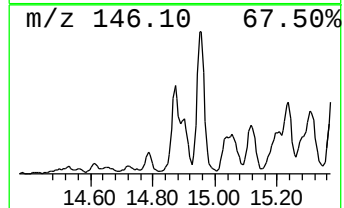
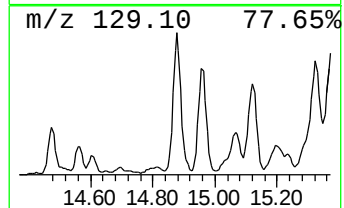
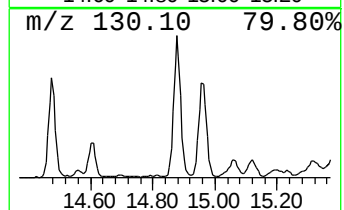
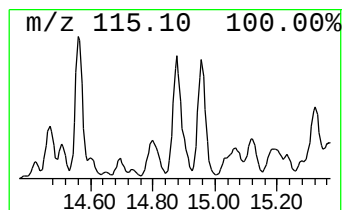
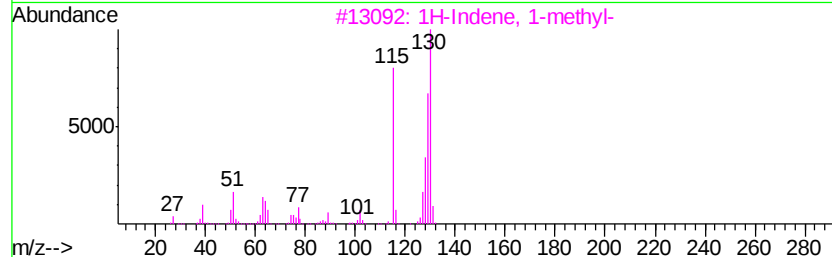
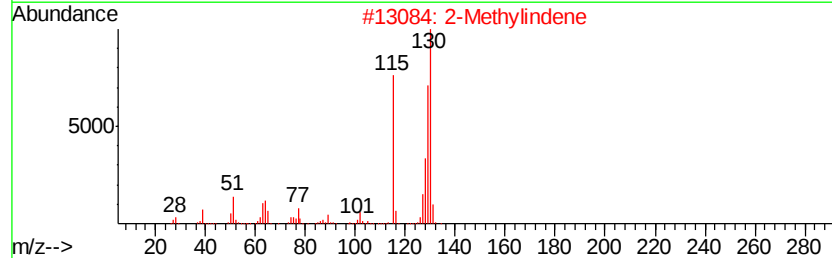
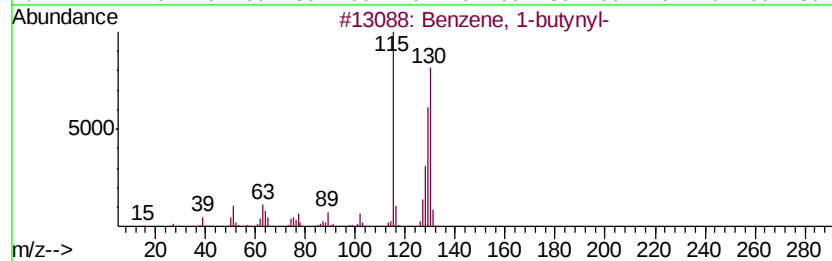
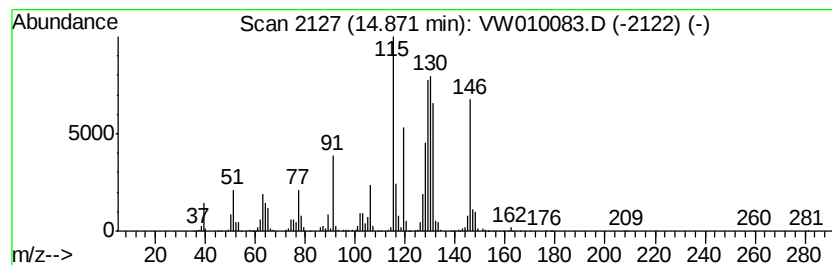
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1-butynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	50.88 ug/L	4644540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	60
2		2-Methylindene	130	C10H10	002177-47-1	55
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	55
4		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	55
5		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

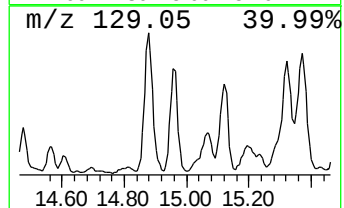
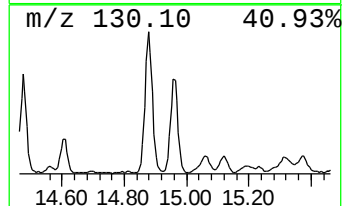
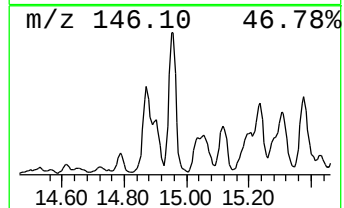
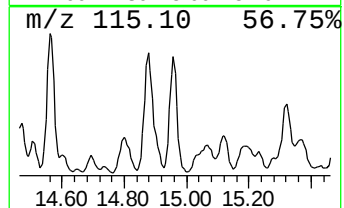
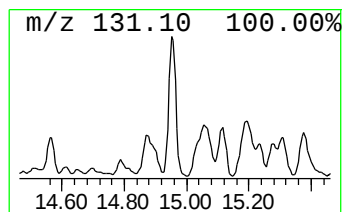
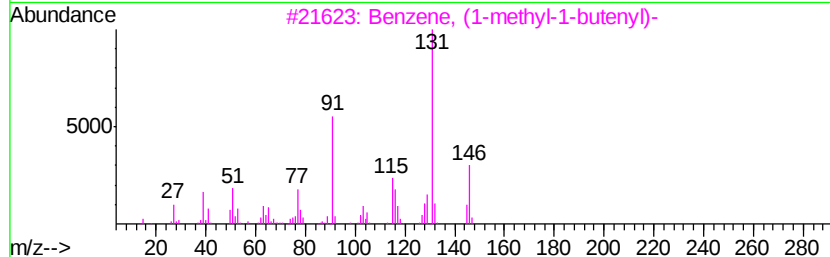
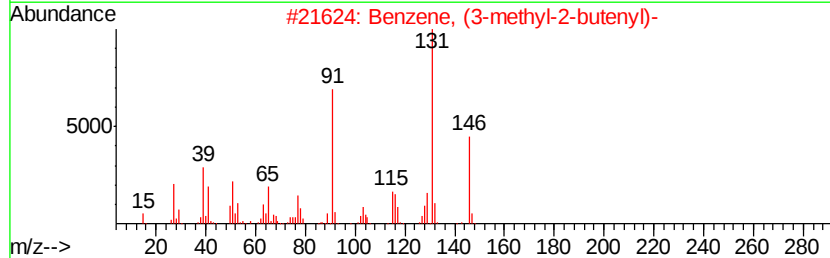
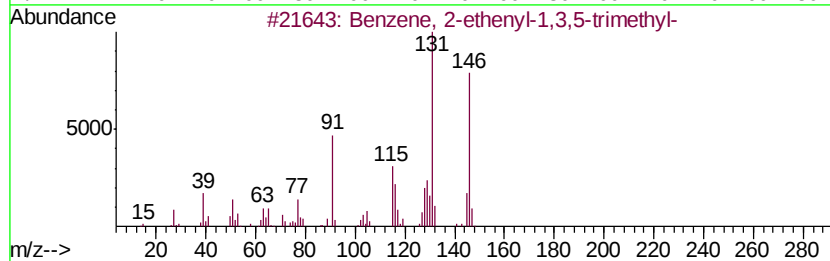
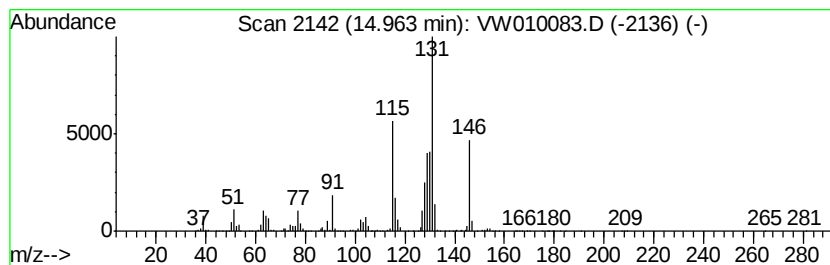
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	45.00 ug/L	4107190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	87
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	62
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	62
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

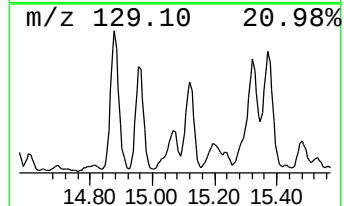
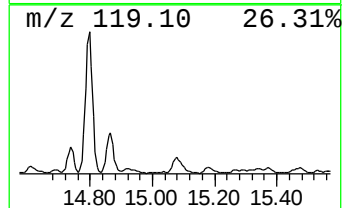
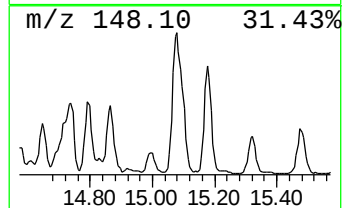
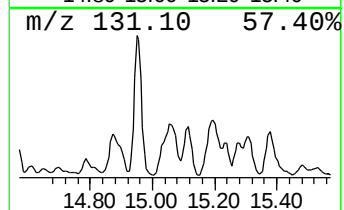
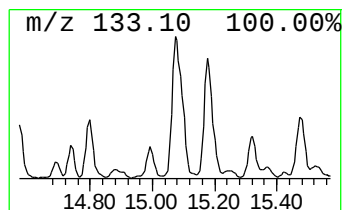
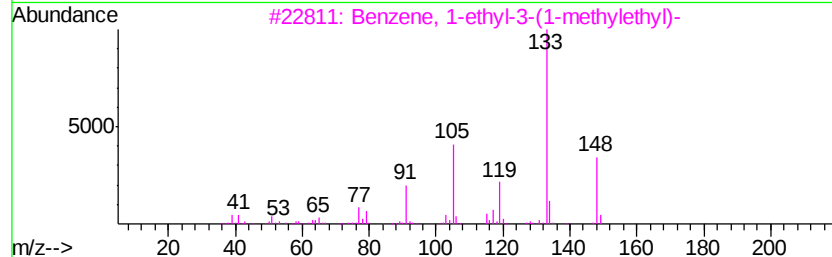
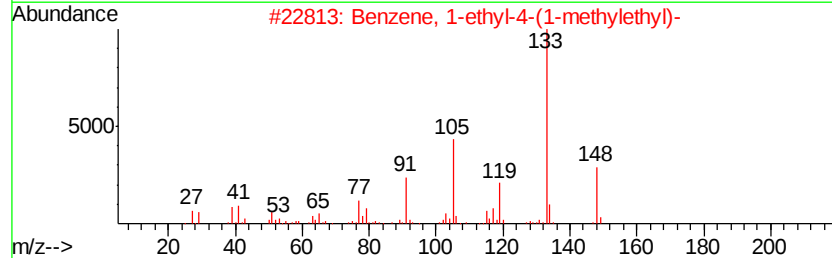
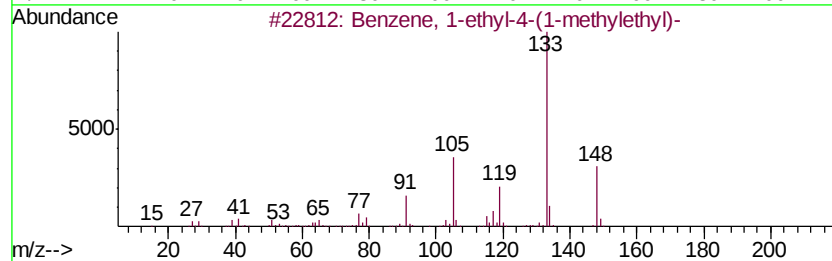
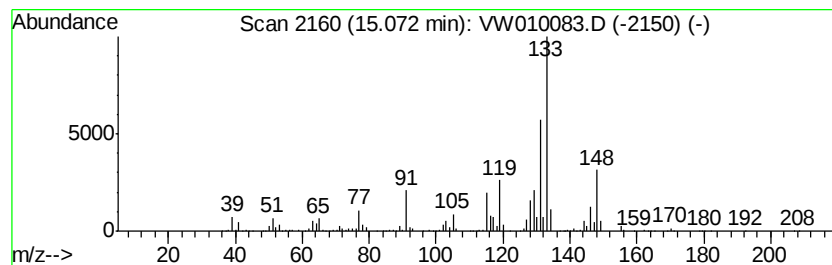
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1-ethyl-4-(1-methylethyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	34.84 ug/L	3179740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
3		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	60
4		4-tert-Butyltoluene	148	C11H16	000098-51-1	45
5		2-tert-Butyltoluene	148	C11H16	001074-92-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

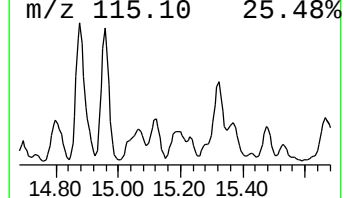
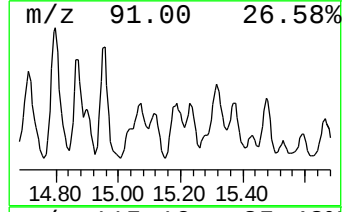
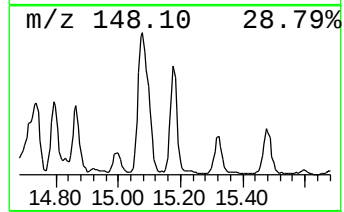
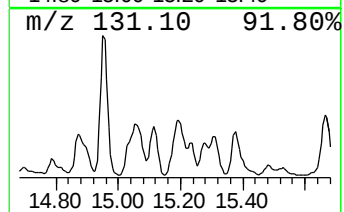
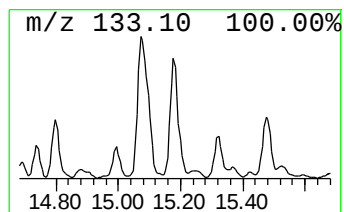
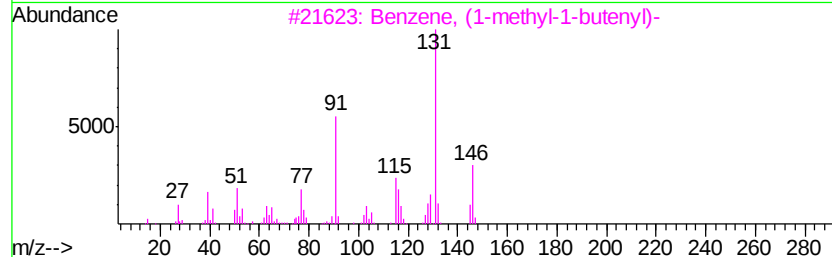
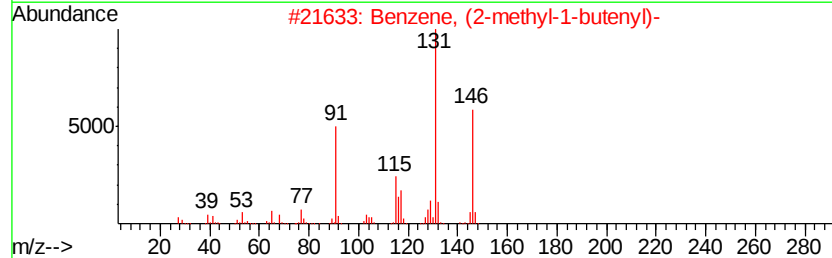
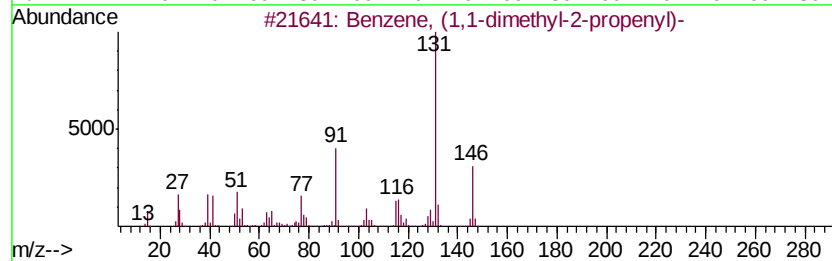
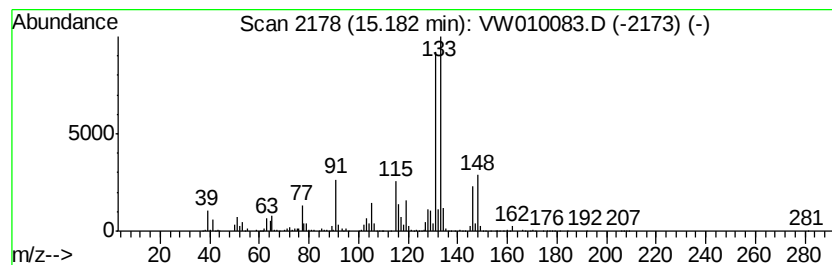
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, (1,1-dimethyl-2-propenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	30.79 ug/L	2810920	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	86
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

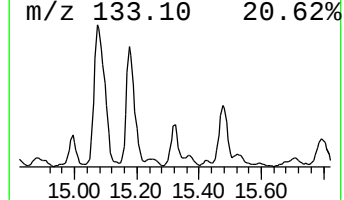
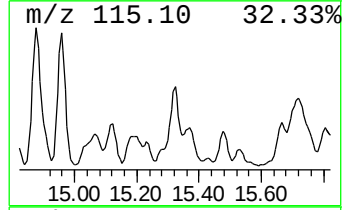
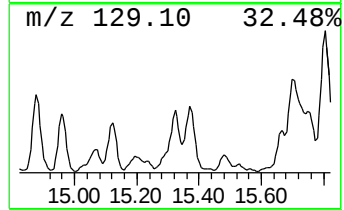
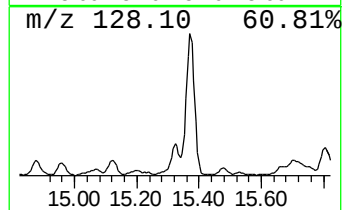
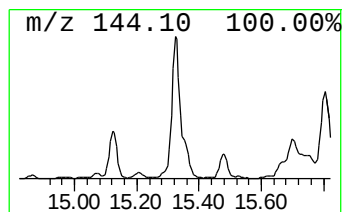
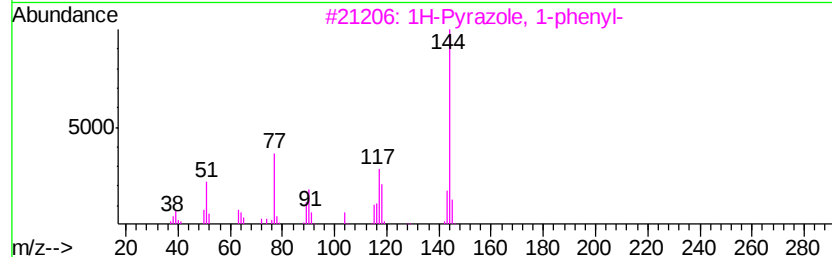
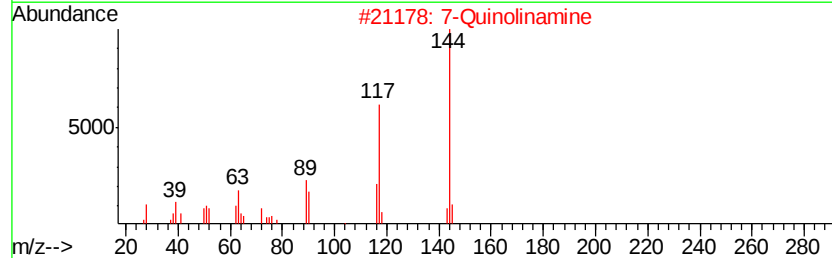
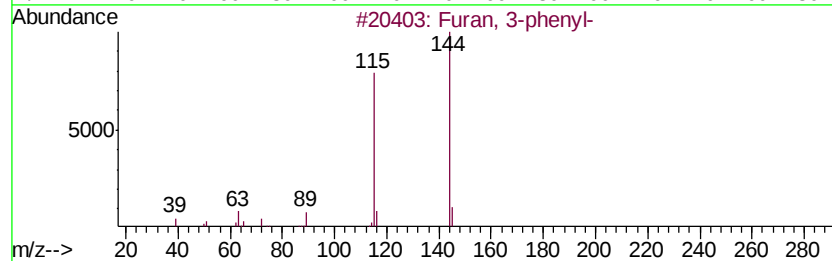
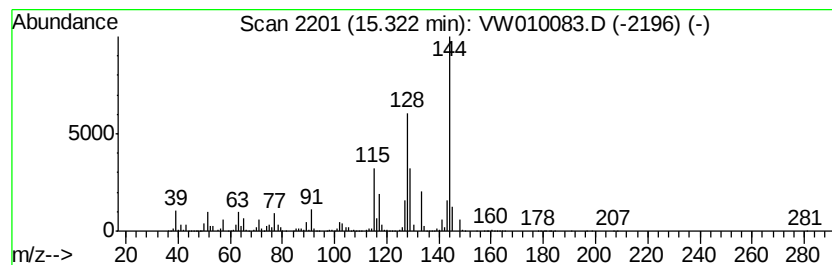
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Quant Title : VOC Analysis

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

Peak Number 30 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	36.48 ug/L	3330280	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Furan, 3-phenyl-	144	C10H8O	013679-41-9	46
2		7-Quinolinamine	144	C9H8N2	000580-19-8	45
3		1H-Pyrazole, 1-phenyl-	144	C9H8N2	001126-00-7	45
4		3-Quinolinamine	144	C9H8N2	000580-17-6	45
5		1H-Imidazole, 4-phenyl-	144	C9H8N2	000670-95-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

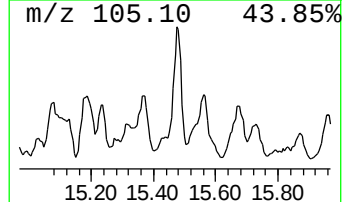
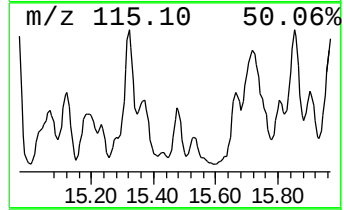
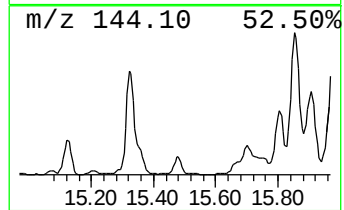
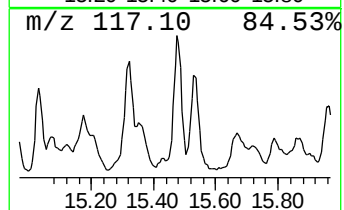
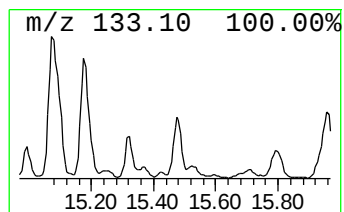
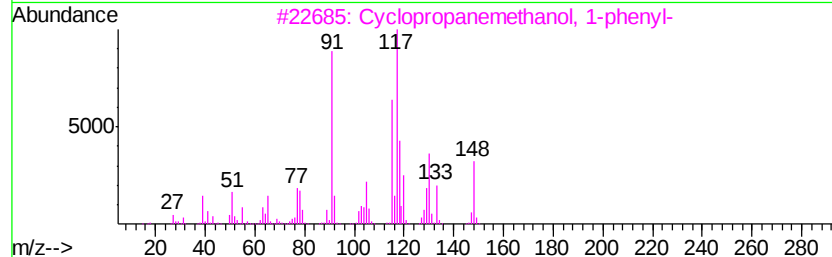
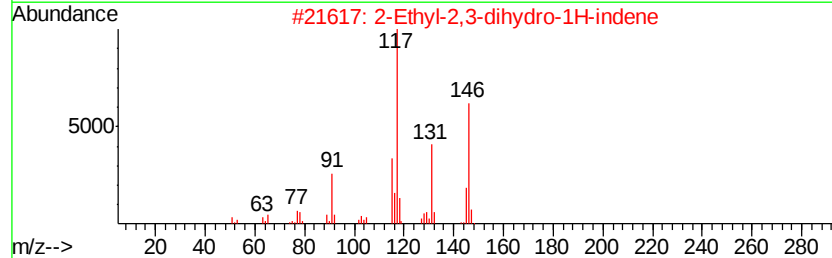
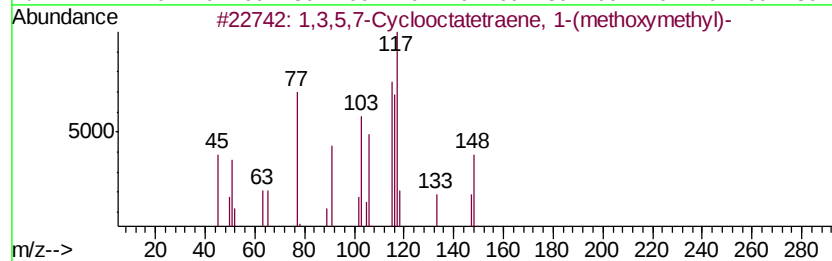
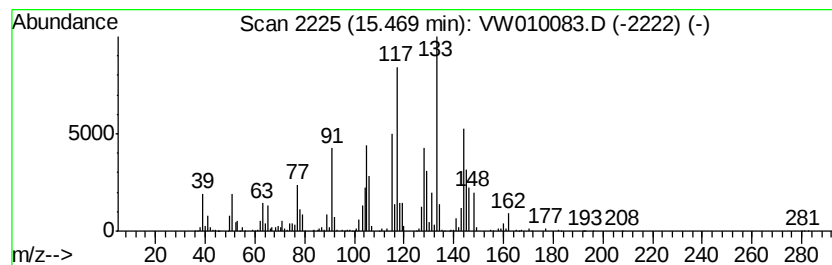
Instrument :
MSVOA_W
ClientSampleId :
GAHR0

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

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

Peak Number 32 unknown-03 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	17.32 ug/L	1581370	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3,5,7-Cyclooctatetraene, 1-(me...	148 C10H120	030844-13-4	38
2	2-Ethyl-2,3-dihydro-1H-indene	146 C11H14	056147-63-8	30
3	Cyclopropanemethanol, 1-phenyl-	148 C10H120	031729-66-5	30
4	Benzene, 1-cyclopenten-1-yl-	144 C11H12	000825-54-7	25
5	4-Hydrazinobenzonitrile	133 C7H7N3	017672-27-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

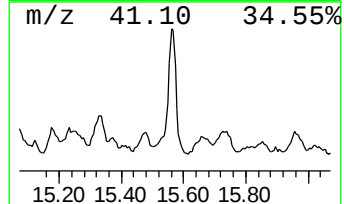
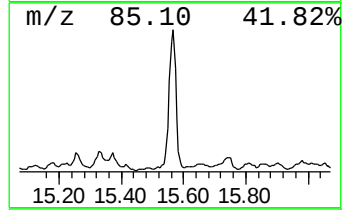
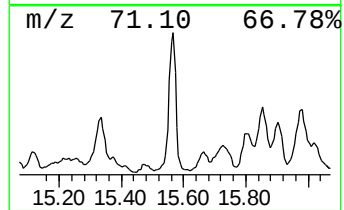
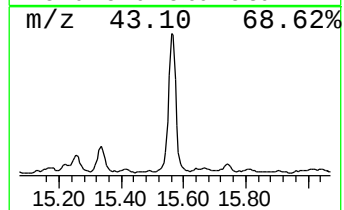
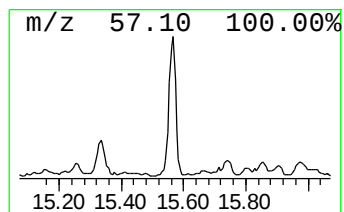
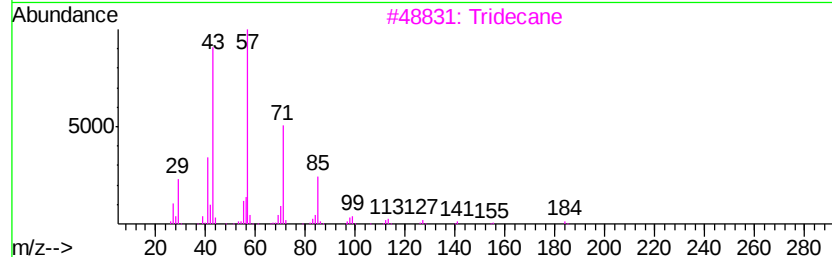
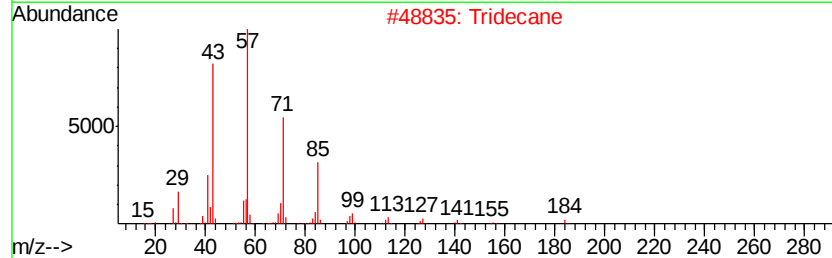
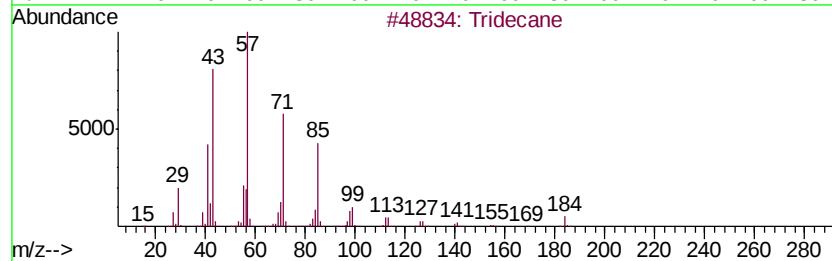
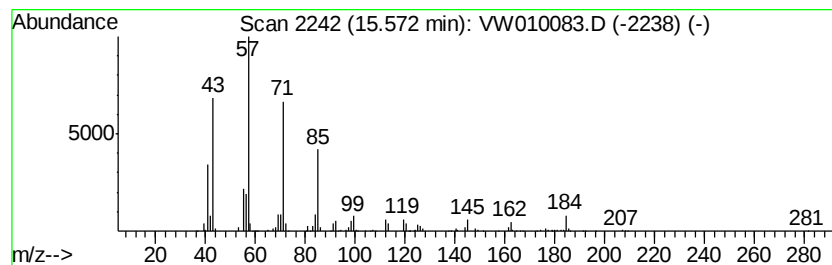
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	12.80 ug/L	1168270	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	92
2			Tridecane	184	C13H28	000629-50-5	83
3			Tridecane	184	C13H28	000629-50-5	83
4			Hexadecane	226	C16H34	000544-76-3	74
5			Tetradecane	198	C14H30	000629-59-4	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

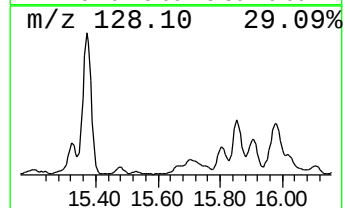
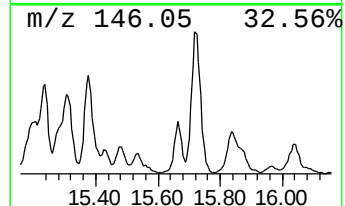
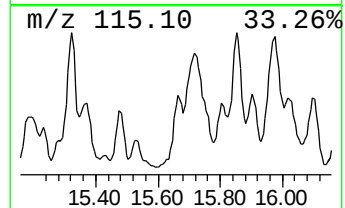
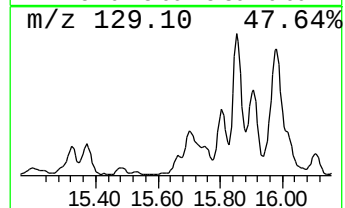
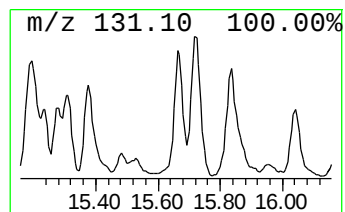
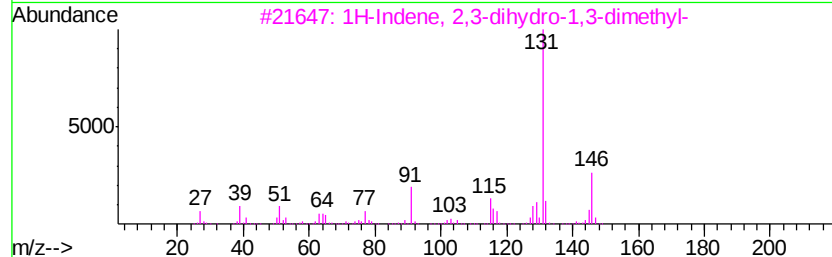
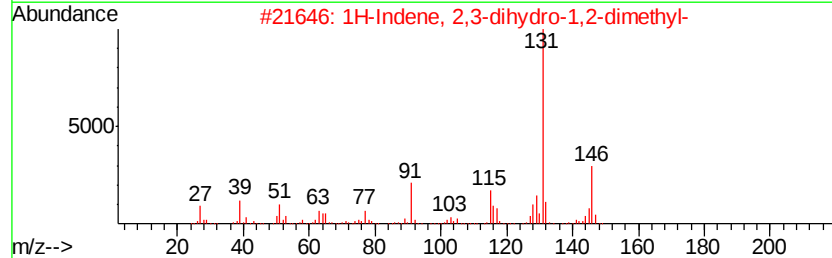
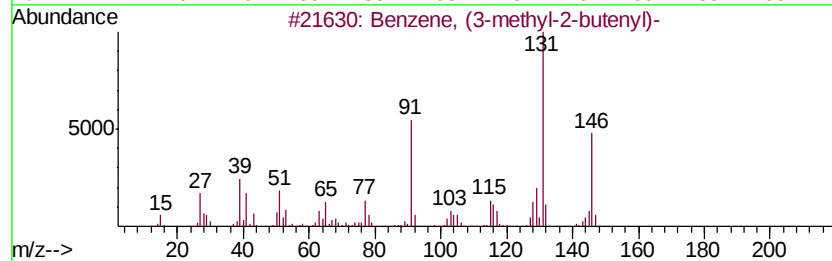
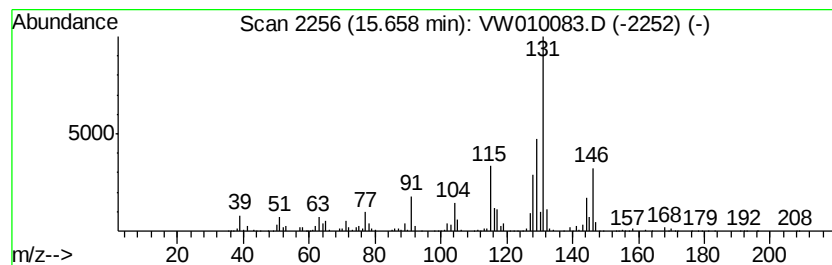
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, (3-methyl-2-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	21.13 ug/L	1928920	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	68
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
Data File : VW010083.D
Acq On : 22 Apr 2019 15:09
Operator : SY/VA
Sample : K2455-10
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR0

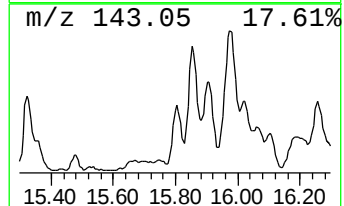
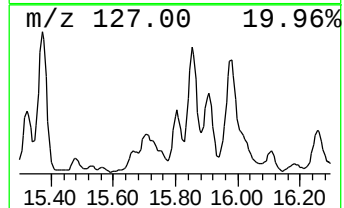
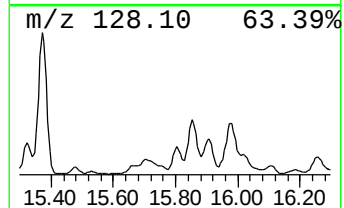
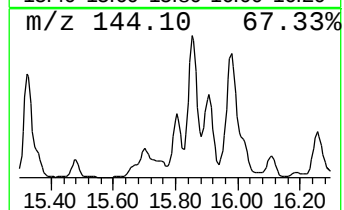
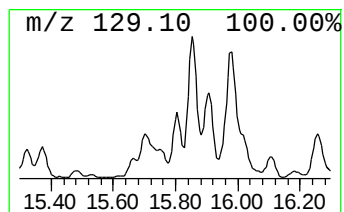
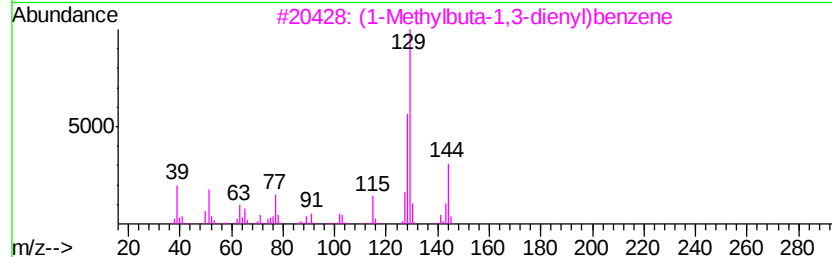
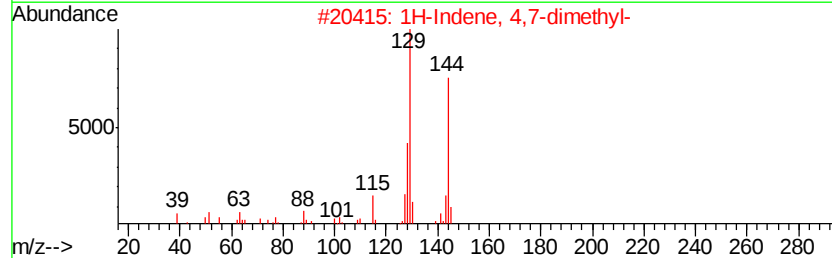
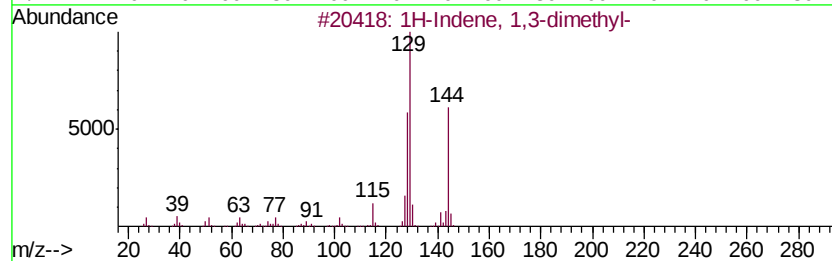
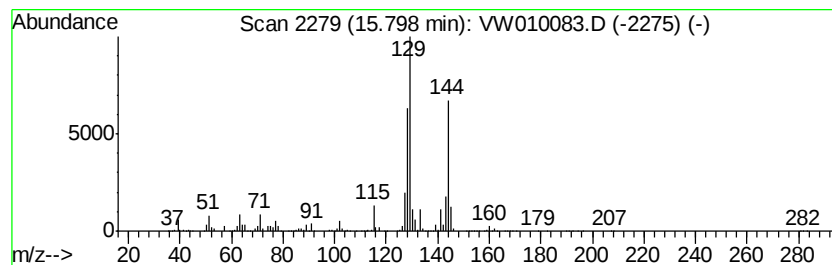
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	26.01 ug/L	2374180	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	91
3		(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	90
4		Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	86
5		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042219\
 Data File : VW010083.D
 Acq On : 22 Apr 2019 15:09
 Operator : SY/VA
 Sample : K2455-10
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR0

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Ethyl Acetate	7.26	2.2	ug/L	188548	1	8.84	2134090	25.0
Naphthalene, 2,6-...	12.89	9.5	ug/L	867462	3	13.56	2281990	25.0
Benzene, 1,2,3-tr...	13.26	2.7	ug/L	244730	3	13.56	2281990	25.0
Naphthalene, 2,3-...	13.31	2.2	ug/L	204757	3	13.56	2281990	25.0
Naphthalene, 1,7-...	13.45	1.9	ug/L	168864	3	13.56	2281990	25.0
Benzene, 1,2-diet...	13.73	5.0	ug/L	457539	3	13.56	2281990	25.0
Benzene, 1-methyl...	13.76	8.3	ug/L	761311	3	13.56	2281990	25.0
Benzene, 1-ethyl-...	13.79	21.2	ug/L	1934800	3	13.56	2281990	25.0
Benzene, 1-methyl...	13.96	3.6	ug/L	331723	3	13.56	2281990	25.0
Benzene, 2-ethyl-...	14.02	7.4	ug/L	678931	3	13.56	2281990	25.0
Benzene, 1-methyl...	14.04	12.7	ug/L	1159480	3	13.56	2281990	25.0
Benzene, 1-ethyl-...	14.10	17.0	ug/L	1552390	3	13.56	2281990	25.0
Benzene, 1-etheny...	14.15	20.9	ug/L	1911020	3	13.56	2281990	25.0
Benzene, (2-methy...	14.24	78.4	ug/L	7160310	3	13.56	2281990	25.0
Benzene, 2-etheny...	14.29	21.1	ug/L	1924830	3	13.56	2281990	25.0
Benzene, 4-ethyl-...	14.34	4.4	ug/L	402055	3	13.56	2281990	25.0
Benzene, 1,2,3,4-...	14.43	16.6	ug/L	1519590	3	13.56	2281990	25.0
o-Cymene	14.46	32.9	ug/L	3002010	3	13.56	2281990	25.0
Benzene, 1-methyl...	14.51	10.6	ug/L	964977	3	13.56	2281990	25.0
Benzene, 1-etheny...	14.56	56.3	ug/L	5142450	3	13.56	2281990	25.0
unknown-01	14.65	4.5	ug/L	414312	3	13.56	2281990	25.0
1-Phenyl-1-butene	14.69	9.9	ug/L	906872	3	13.56	2281990	25.0
(DEL) Alkane: Str...	14.73	18.9	ug/L	1721680	3	13.56	2281990	25.0
Benzene, 1-butyryl-	14.87	50.9	ug/L	4644540	3	13.56	2281990	25.0
Benzene, 2-etheny...	14.96	45.0	ug/L	4107190	3	13.56	2281990	25.0
Benzene, 1-ethyl-...	15.07	34.8	ug/L	3179740	3	13.56	2281990	25.0
Benzene, (1,1-dim...	15.18	30.8	ug/L	2810920	3	13.56	2281990	25.0
unknown-02	15.32	36.5	ug/L	3330280	3	13.56	2281990	25.0
unknown-03	15.47	17.3	ug/L	1581370	3	13.56	2281990	25.0
(DEL) Alkane: Str...	15.57	12.8	ug/L	1168270	3	13.56	2281990	25.0
Benzene, (3-methy...	15.66	21.1	ug/L	1928920	3	13.56	2281990	25.0
1H-Indene, 1,3-di...	15.80	26.0	ug/L	2374180	3	13.56	2281990	25.0