

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012120\
 Data File : VW014707.D
 Acq On : 21 Jan 2020 11:52
 Operator : SY/VA
 Sample : L1193-13
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASP4

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\SOM2WLM122719S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.952	6	8	9	rBV	3192	2593	0.00%	0.000%
2	2.154	35	41	48	rBV3	16198	34644	0.01%	0.005%
3	2.349	67	73	83	rVB	222405	389305	0.12%	0.058%
4	2.483	93	95	97	rBV2	5536	6755	0.00%	0.001%
5	2.885	154	161	173	rBV	149941	362830	0.11%	0.054%
6	3.507	260	263	264	rBV2	1301	1376	0.00%	0.000%
7	3.605	275	279	282	rVB4	1510	2425	0.00%	0.000%
8	3.727	295	299	301	rVB4	890	964	0.00%	0.000%
9	3.818	312	314	318	rBV	693	952	0.00%	0.000%
10	4.013	332	346	359	rBV	317421	996102	0.30%	0.148%
11	4.354	398	402	403	rBV3	880	970	0.00%	0.000%
12	4.391	403	408	412	rVV4	1914	4685	0.00%	0.001%
13	4.428	412	414	416	rVV2	1036	939	0.00%	0.000%
14	4.909	481	493	505	rBV2	48309	171173	0.05%	0.025%
15	5.385	568	571	574	rBV3	859	1153	0.00%	0.000%
16	5.519	590	593	596	rBV3	718	1004	0.00%	0.000%
17	5.927	652	660	672	rVB4	7884	24202	0.01%	0.004%
18	6.019	672	675	678	rBV2	848	1010	0.00%	0.000%
19	6.110	688	690	695	rVB2	722	1100	0.00%	0.000%
20	6.409	733	739	743	rBV7	1712	3739	0.00%	0.001%
21	6.592	766	769	771	rBV3	813	1224	0.00%	0.000%
22	6.665	777	781	783	rBV2	765	1043	0.00%	0.000%
23	6.988	828	834	835	rBV3	1431	1874	0.00%	0.000%
24	7.067	839	847	853	rBV	73305	204249	0.06%	0.030%
25	7.640	931	941	955	rBV	445354	1084252	0.32%	0.161%
26	7.939	987	990	996	rVB4	2726	4478	0.00%	0.001%
27	8.268	1031	1044	1063	rBV2	923451	2706171	0.81%	0.401%
28	8.555	1089	1091	1095	rVB4	993	1057	0.00%	0.000%
29	8.689	1111	1113	1116	rVV4	1885	2155	0.00%	0.000%
30	8.835	1127	1137	1149	rBV	1051684	2095155	0.63%	0.311%
31	9.067	1170	1175	1184	rVB6	3575	8950	0.00%	0.001%
32	9.140	1184	1187	1190	rVB3	1274	1465	0.00%	0.000%
33	9.268	1199	1208	1220	rBV	608726	1223448	0.37%	0.181%
34	9.402	1227	1230	1231	rBV3	1942	1917	0.00%	0.000%

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Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Title : VOC Analysis

35	9.658	1268	1272	1277	rVB4	2955	5732	0.00%	0.001%
36	10.030	1323	1333	1343	rBV	306371	547455	0.16%	0.081%
37	10.122	1344	1348	1357	rVB4	6327	13665	0.00%	0.002%
38	10.207	1357	1362	1366	rBV3	4268	8278	0.00%	0.001%
39	10.317	1373	1380	1388	rBV	1192819	2129065	0.64%	0.316%
40	10.378	1388	1390	1397	rVB3	11767	20157	0.01%	0.003%
41	10.494	1405	1409	1410	rBV3	819	1128	0.00%	0.000%
42	10.573	1415	1422	1432	rBV	186845	331105	0.10%	0.049%
43	10.701	1436	1443	1450	rBV	40067	71274	0.02%	0.011%
44	10.859	1465	1469	1472	rVV4	3194	4269	0.00%	0.001%
45	10.920	1472	1479	1495	rVV	271587	463196	0.14%	0.069%
46	11.061	1495	1502	1510	rVB2	28994	55060	0.02%	0.008%
47	11.164	1517	1519	1524	rVB6	1282	1876	0.00%	0.000%
48	11.353	1547	1550	1553	rVB3	1128	1326	0.00%	0.000%
49	11.439	1553	1564	1570	rBV4	4536	10233	0.00%	0.002%
50	11.628	1586	1595	1604	rBV	1290392	2144204	0.64%	0.318%
51	11.725	1607	1611	1620	rVB3	5054	9696	0.00%	0.001%
52	11.835	1620	1629	1639	rBV3	7271	16192	0.00%	0.002%
53	11.963	1647	1650	1652	rBV2	822	1060	0.00%	0.000%
54	12.115	1671	1675	1677	rBV4	1658	2504	0.00%	0.000%
55	12.176	1678	1685	1692	rVV	279418	465864	0.14%	0.069%
56	12.463	1726	1732	1735	rBV6	2531	5065	0.00%	0.001%
57	12.536	1741	1744	1747	rVB5	702	907	0.00%	0.000%
58	12.609	1750	1756	1761	rVB2	27160	45443	0.01%	0.007%
59	12.688	1761	1769	1775	rBV	362620	598719	0.18%	0.089%
60	12.749	1775	1779	1787	rVB2	12061	20987	0.01%	0.003%
61	12.859	1794	1797	1800	rBV3	1719	2534	0.00%	0.000%
62	12.932	1805	1809	1816	rVB4	15373	25609	0.01%	0.004%
63	12.999	1818	1820	1824	rVB3	1101	1217	0.00%	0.000%
64	13.121	1831	1840	1844	rBV8	7225	15670	0.00%	0.002%
65	13.200	1849	1853	1854	rBV4	1372	1657	0.00%	0.000%
66	13.249	1854	1861	1863	rBV3	7361	13383	0.00%	0.002%
67	13.298	1863	1869	1874	rVV	327278	519457	0.16%	0.077%
68	13.347	1874	1877	1882	rVV	91043	137581	0.04%	0.020%
69	13.396	1882	1885	1892	rVB7	7790	11485	0.00%	0.002%
70	13.475	1893	1898	1904	rVV2	12457	21876	0.01%	0.003%
71	13.554	1904	1911	1922	rVV	880230	1422785	0.43%	0.211%

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Integration Parameters: LSCINT.P

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72	13.646	1923	1926	1932	rVB3	12188	19654	0.01%	0.003%
73	13.755	1940	1944	1946	rBV4	2146	3488	0.00%	0.001%
74	13.853	1952	1960	1967	rBV	627680	1039279	0.31%	0.154%
75	13.938	1967	1974	1981	rVB	347730	571553	0.17%	0.085%
76	14.066	1984	1995	2002	rBV2	45233	90513	0.03%	0.013%
77	14.145	2002	2008	2013	rBV	30014	58966	0.02%	0.009%
78	14.188	2013	2015	2016	rBV	4711	3990	0.00%	0.001%
79	14.231	2017	2022	2027	rVB	94554	138767	0.04%	0.021%
80	14.292	2027	2032	2036	rBV3	36700	82239	0.02%	0.012%
81	14.469	2056	2061	2065	rBV3	57396	99310	0.03%	0.015%
82	14.554	2071	2075	2079	rVV2	54580	77588	0.02%	0.011%
83	14.597	2079	2082	2087	rVB	20806	27308	0.01%	0.004%
84	14.725	2098	2103	2107	rVB	55192	83033	0.02%	0.012%
85	14.792	2109	2114	2119	rBV2	79382	153284	0.05%	0.023%
86	14.871	2119	2127	2134	rVV	342349	664219	0.20%	0.098%
87	14.950	2134	2140	2148	rVB	1168310	1974509	0.59%	0.293%
88	15.066	2154	2159	2162	rBV3	150486	306326	0.09%	0.045%
89	15.176	2171	2177	2182	rBV2	354371	883499	0.26%	0.131%
90	15.310	2189	2199	2201	rBV5	966728	2479033	0.74%	0.367%
91	15.365	2201	2208	2217	rVB2	56587446	117070692	34.98%	17.352%
92	15.462	2218	2224	2230	rBV	2129703	3851104	1.15%	0.571%
93	15.554	2230	2239	2247	rVB2	1662988	3293037	0.98%	0.488%
94	15.657	2250	2256	2260	rBV	1195125	2487801	0.74%	0.369%
95	15.846	2279	2287	2293	rBV3	1584542	4207374	1.26%	0.624%
96	15.962	2299	2306	2312	rBV4	1700019	4801952	1.43%	0.712%
97	16.383	2367	2375	2378	rBV	2882656	6672102	1.99%	0.989%
98	16.462	2378	2388	2399	rVV5	107780940	334714754	100.00%	49.611%
99	16.572	2401	2406	2410	rVV	818926	1896906	0.57%	0.281%
100	16.657	2410	2420	2431	rVB2	66010231	168439254	50.32%	24.966%

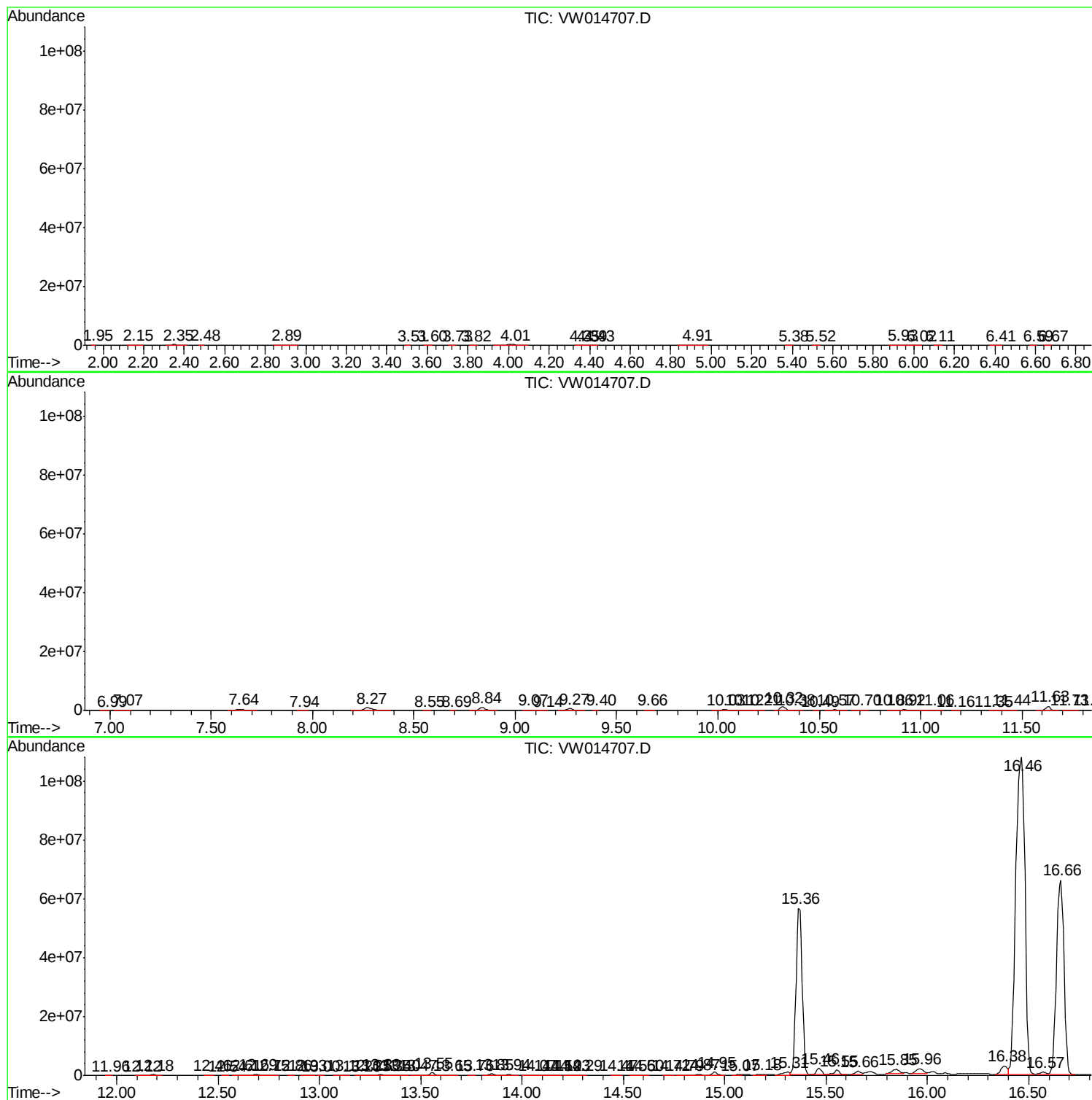
Sum of corrected areas: 674684607

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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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



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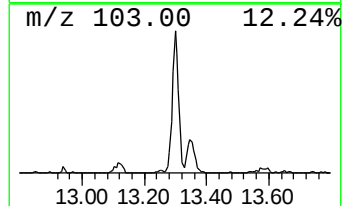
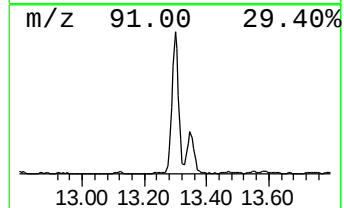
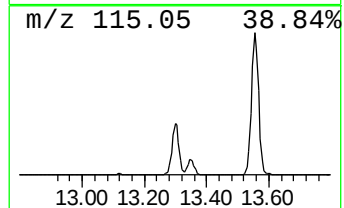
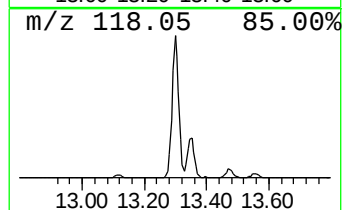
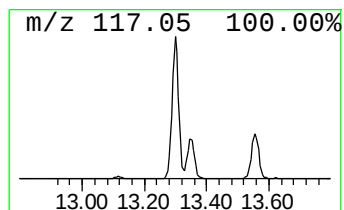
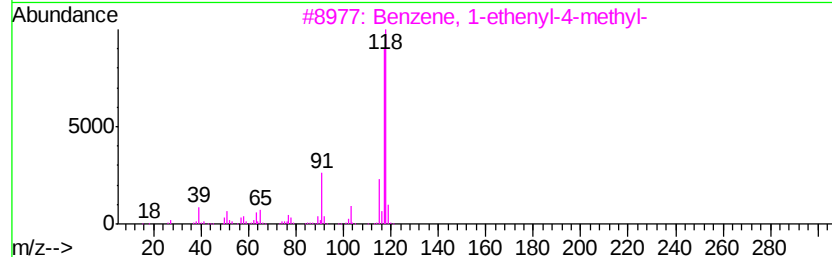
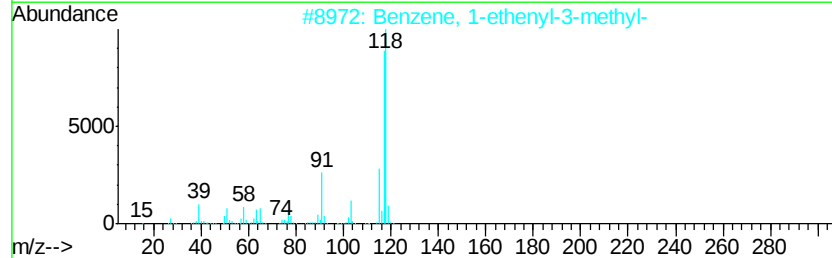
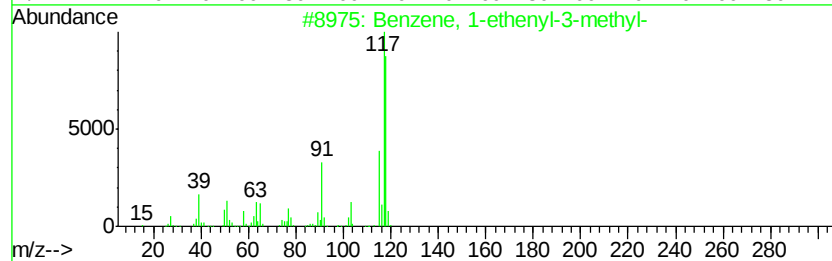
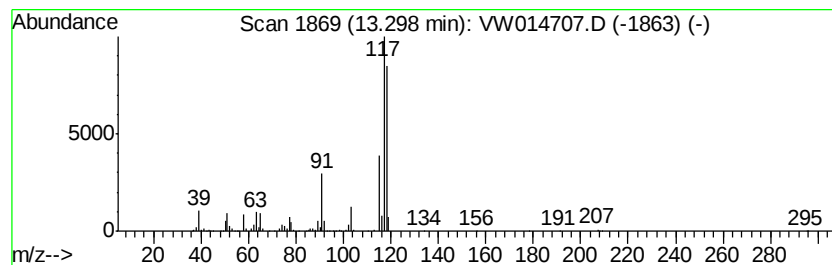
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	9.13 ug/L	519457	1,4-Dichlorobenzene-d4	13.55

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



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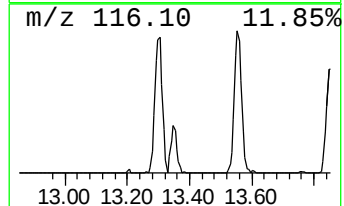
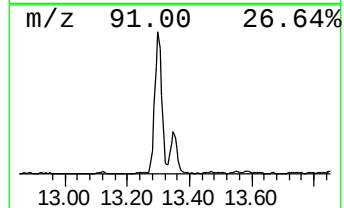
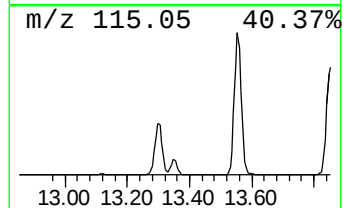
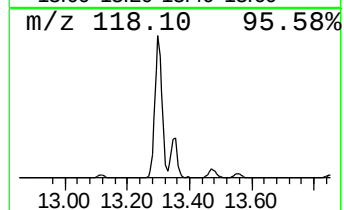
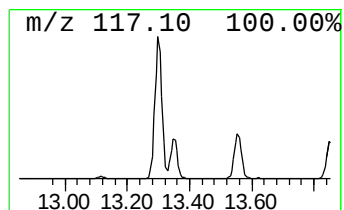
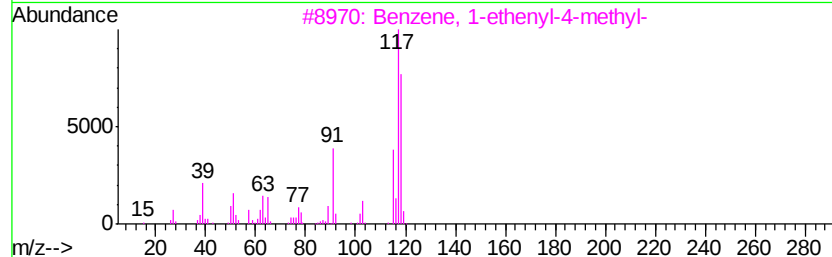
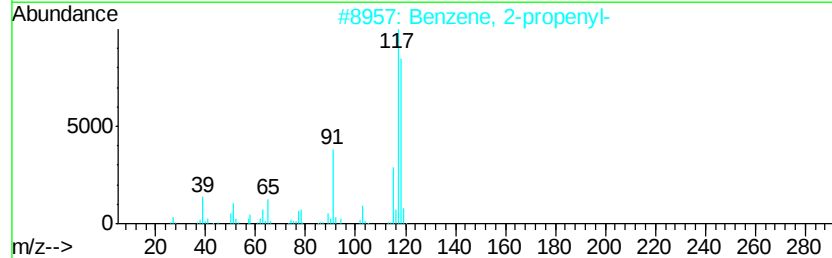
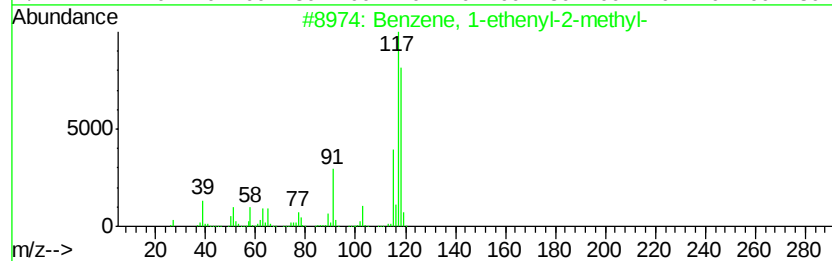
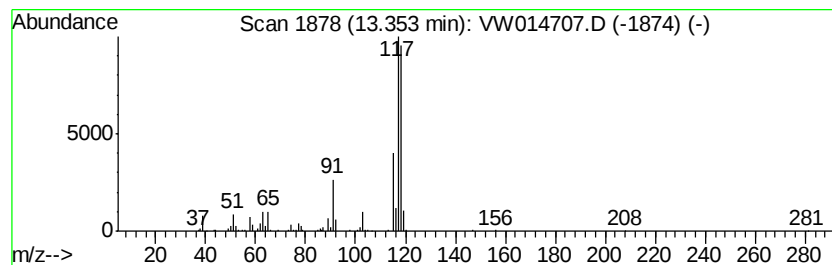
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Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.42 ug/L	137581	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
5		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	81



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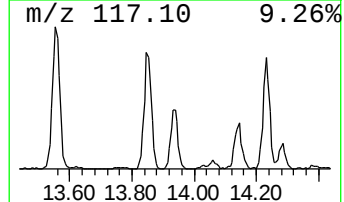
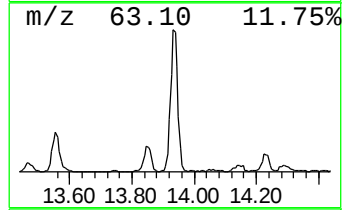
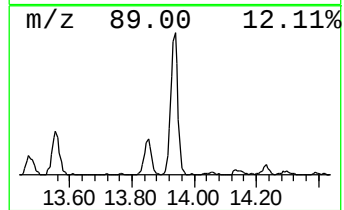
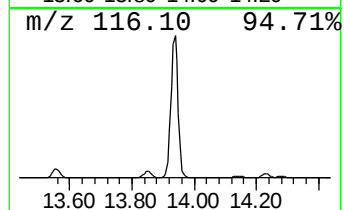
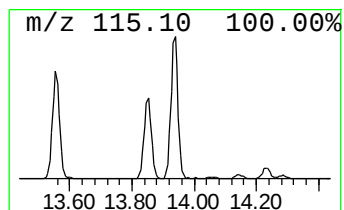
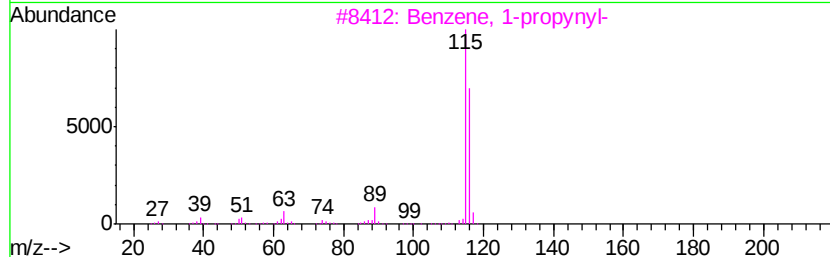
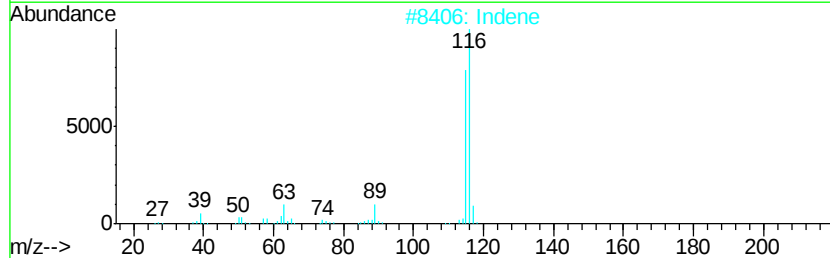
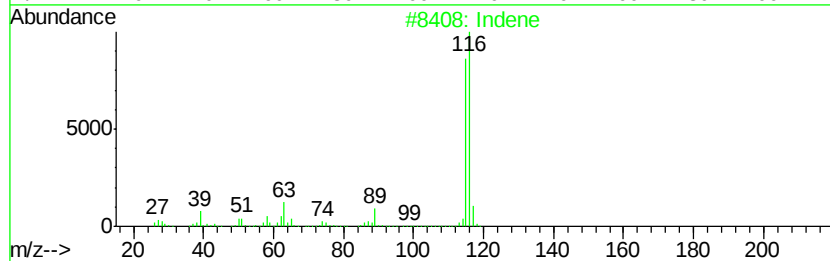
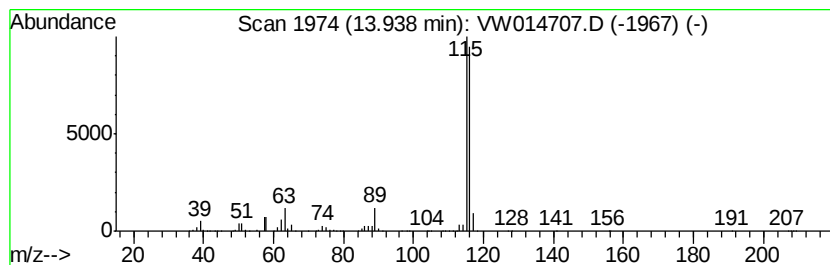
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 4 Indene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	10.04 ug/L	571553	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	97
2	Indene		116	C9H8	000095-13-6	97
3	Benzene, 1-propynyl-		116	C9H8	000673-32-5	94
4	Indene		116	C9H8	000095-13-6	94
5	3-Methylphenylacetylene		116	C9H8	000766-82-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

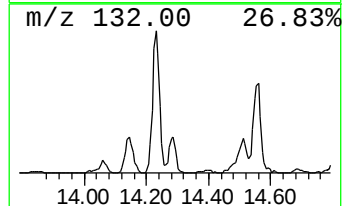
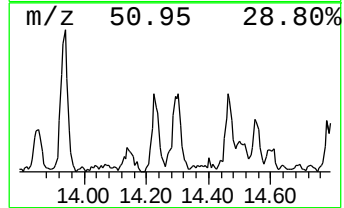
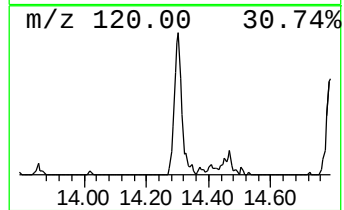
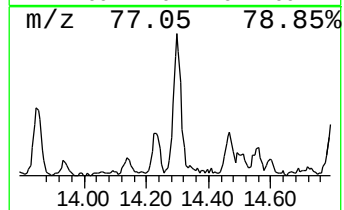
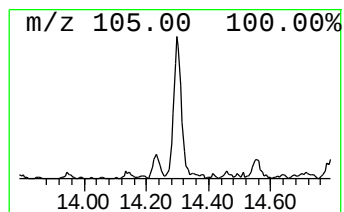
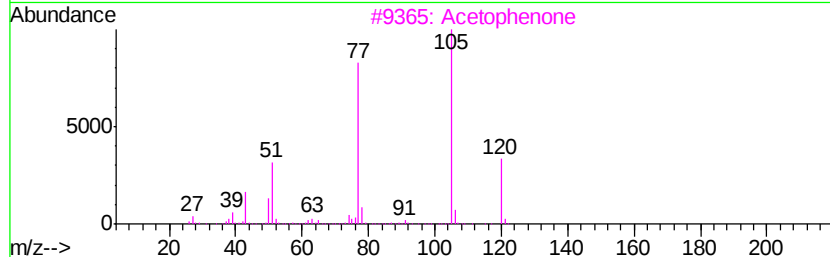
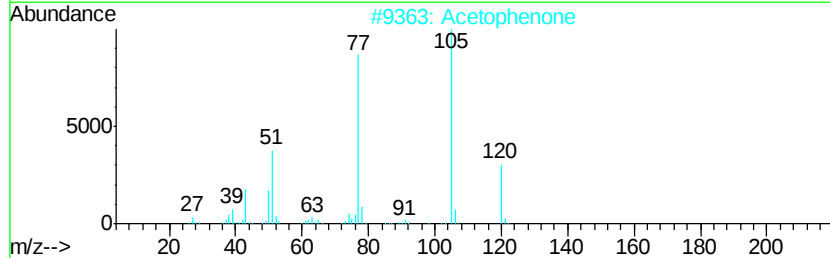
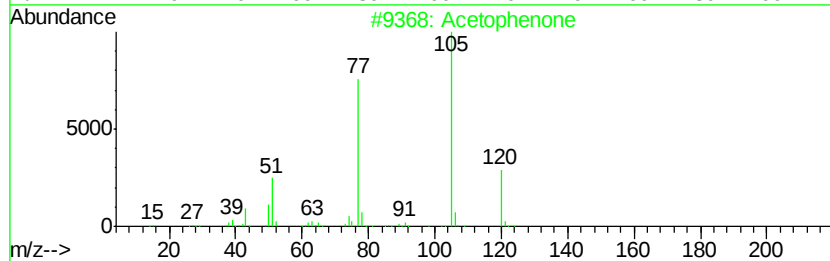
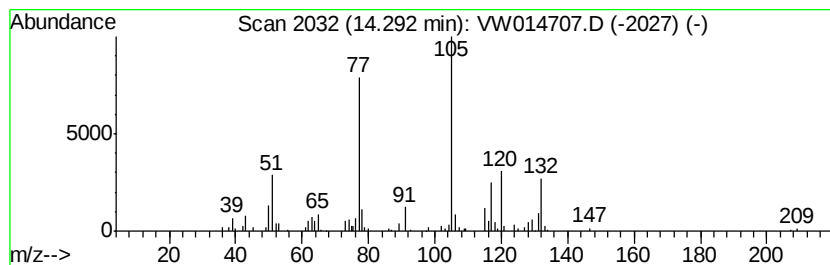
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Quant Title : VOC Analysis

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

Peak Number 7 Acetophenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	1.45 ug/L	82239	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetophenone	120	C8H8O	000098-86-2	70
2		Acetophenone	120	C8H8O	000098-86-2	70
3		Acetophenone	120	C8H8O	000098-86-2	70
4		Acetophenone	120	C8H8O	000098-86-2	62
5		Acetophenone	120	C8H8O	000098-86-2	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GASP4

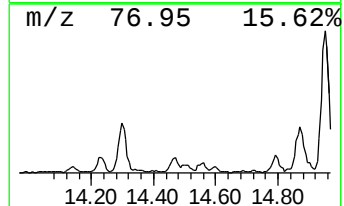
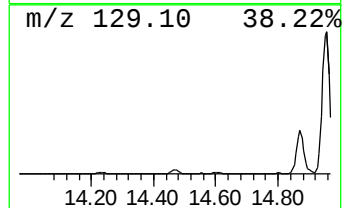
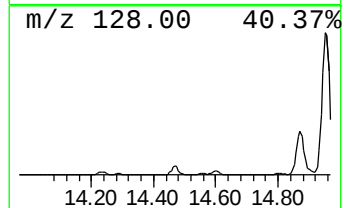
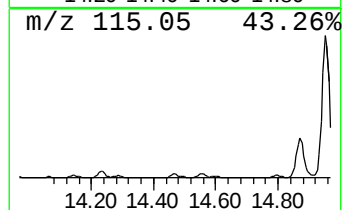
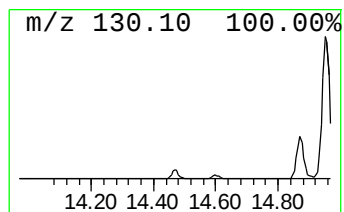
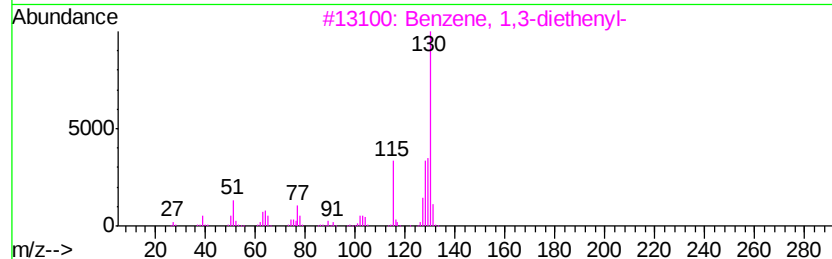
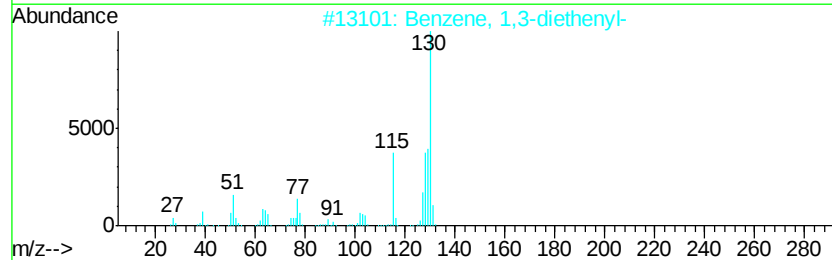
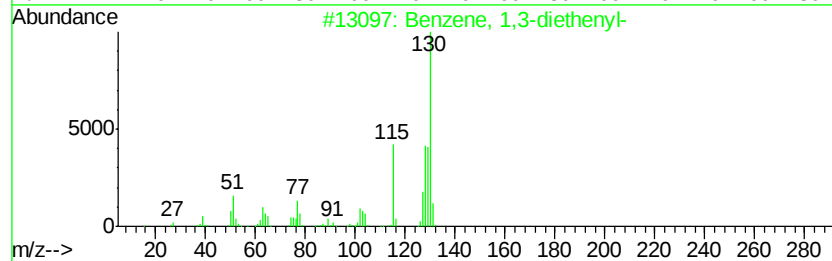
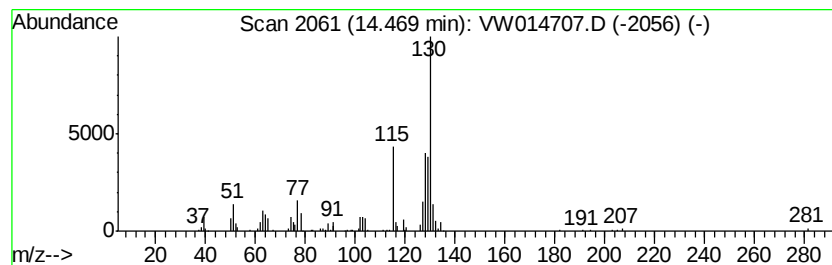
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,3-diethenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	1.74 ug/L	99310	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	96	
2	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	95	
3	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	95	
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93	
5	Benzene, 1,4-diethenyl-	130	C10H10	000105-06-6	91	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

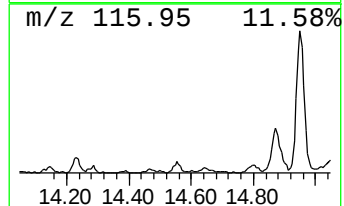
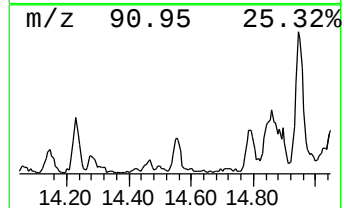
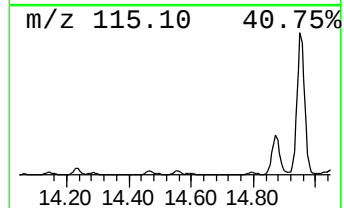
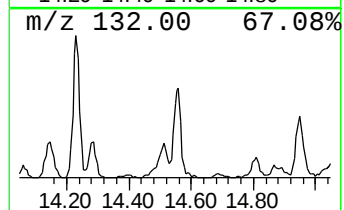
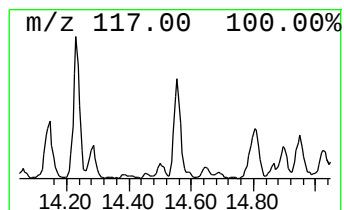
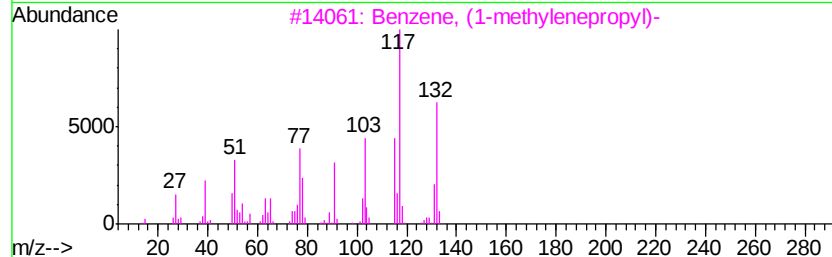
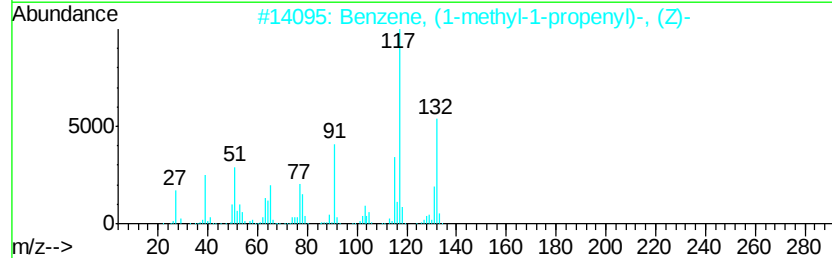
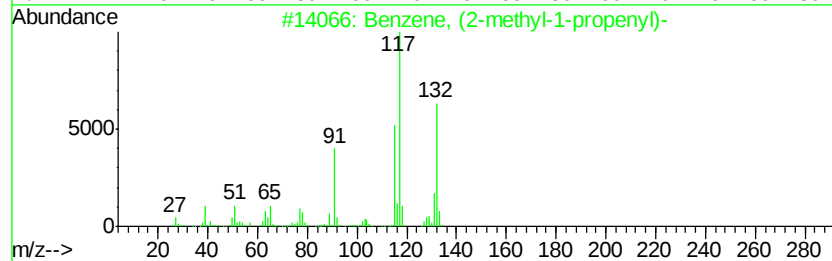
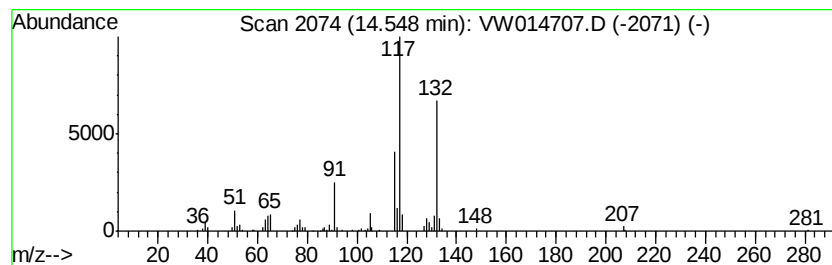
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, (2-methyl-1-propen... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	1.36 ug/L	77588	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	91
3		Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	91
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
5		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

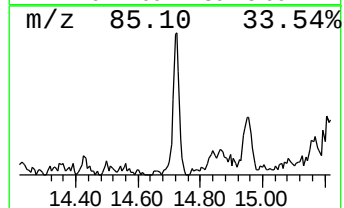
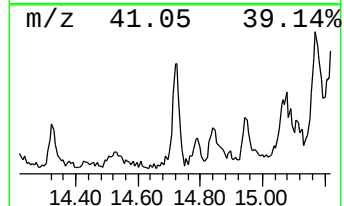
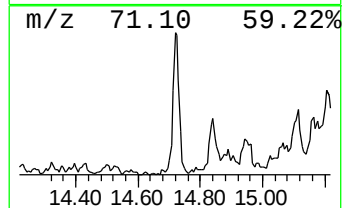
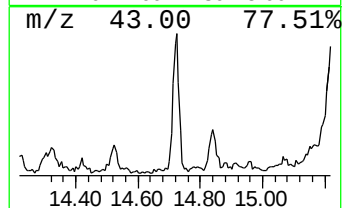
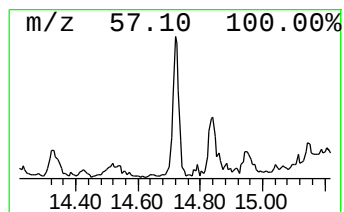
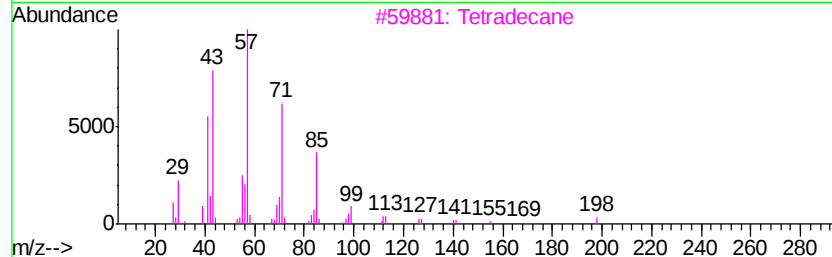
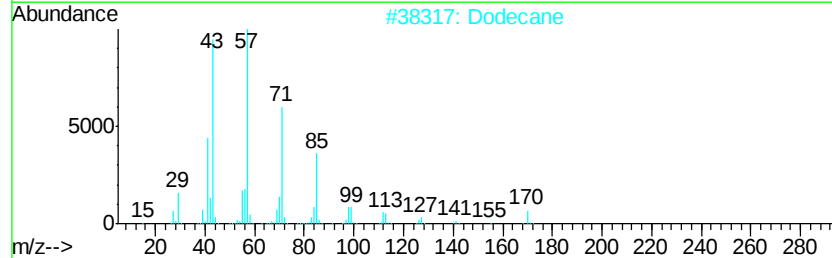
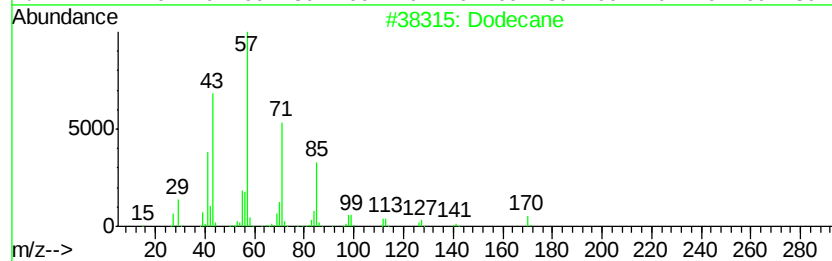
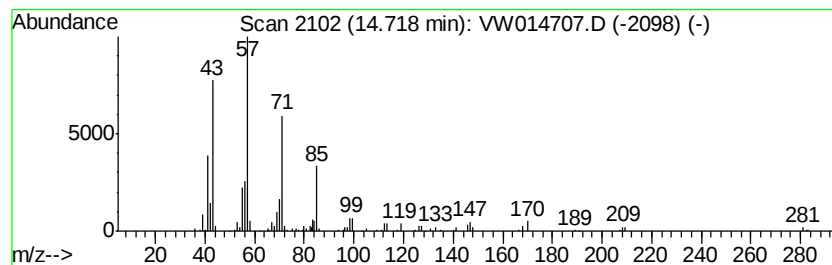
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	1.46 ug/L	83033	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	93
2			Dodecane	170	C12H26	000112-40-3	74
3			Tetradecane	198	C14H30	000629-59-4	72
4			Hexadecane	226	C16H34	000544-76-3	72
5			Dodecane	170	C12H26	000112-40-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

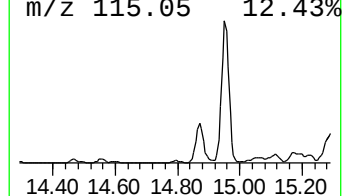
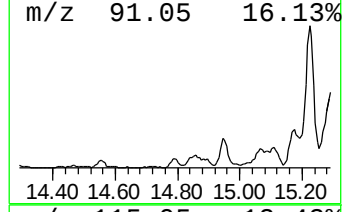
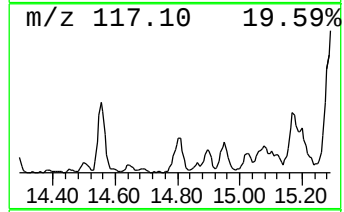
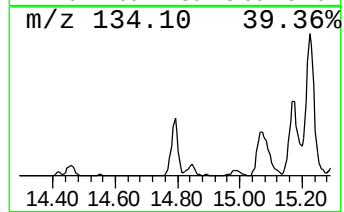
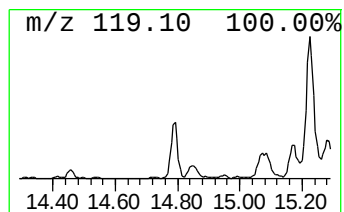
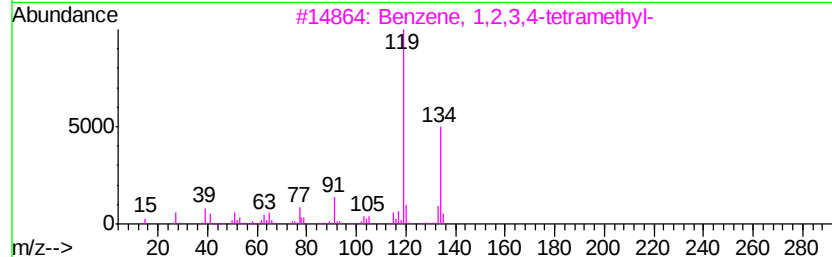
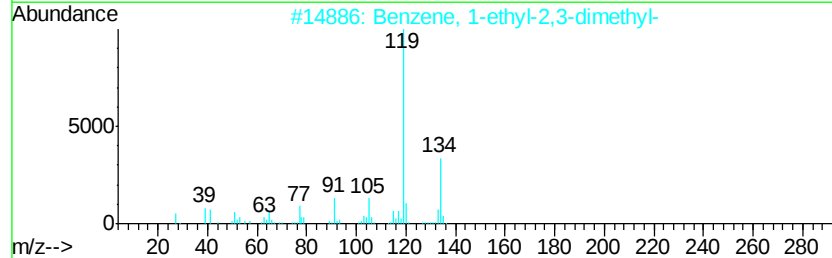
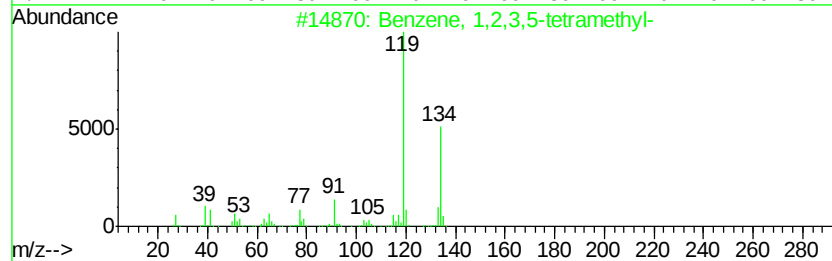
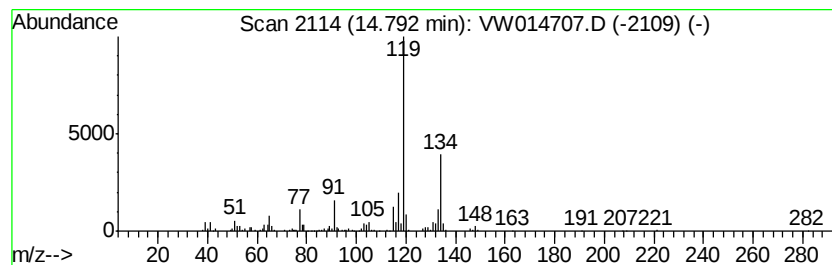
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	2.69 ug/L	153284	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

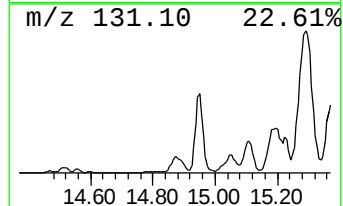
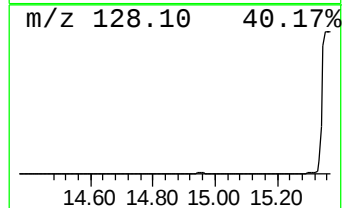
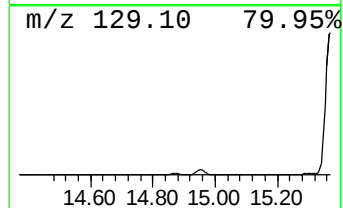
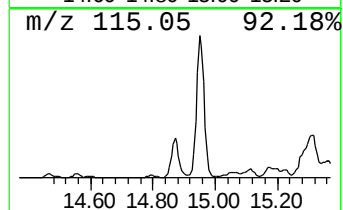
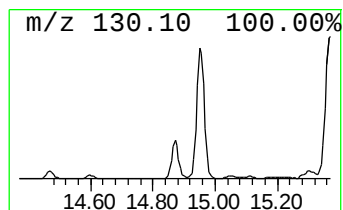
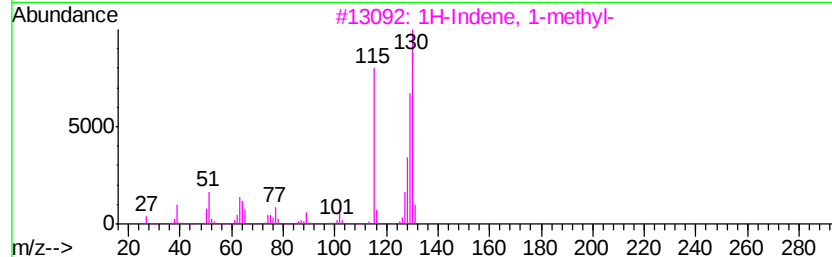
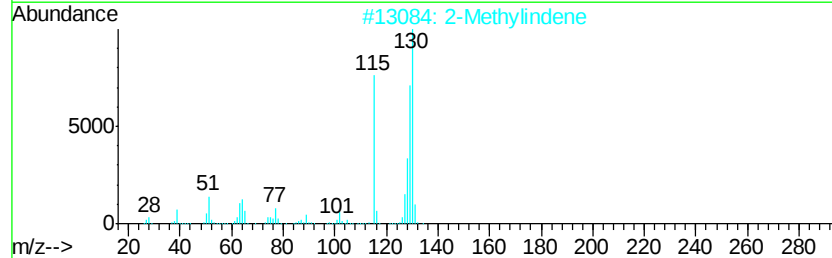
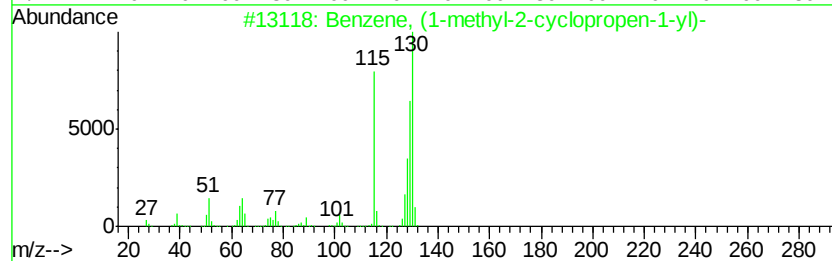
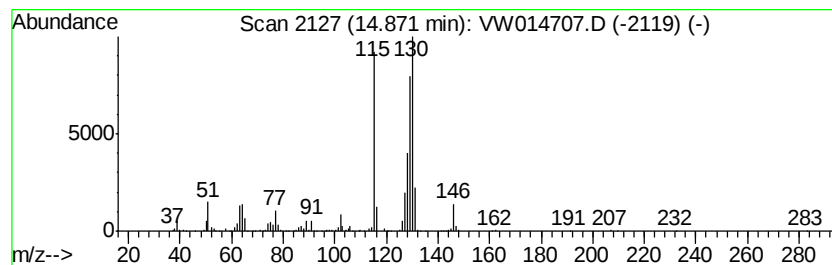
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, (1-methyl-2-cyclop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	11.67 ug/L	664219	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2		2-Methylindene	130	C10H10	002177-47-1	96
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

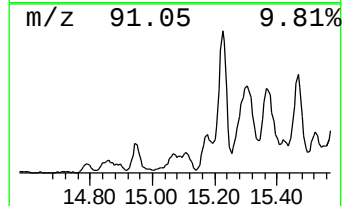
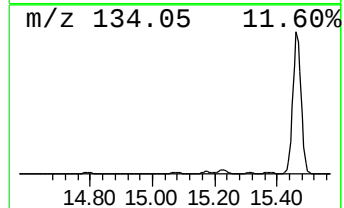
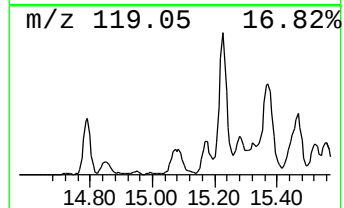
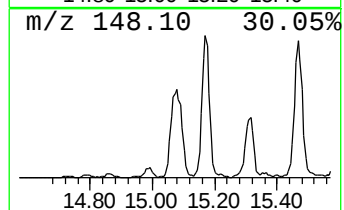
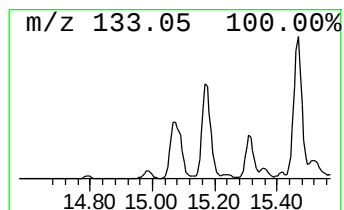
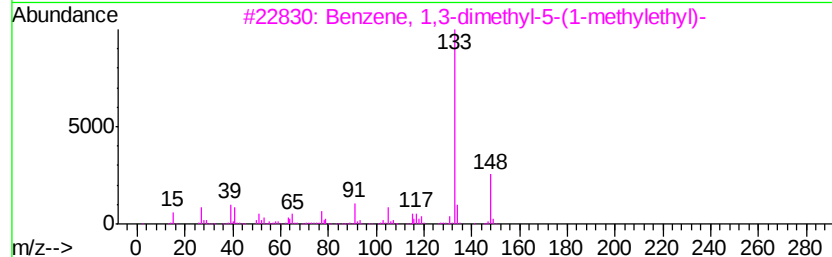
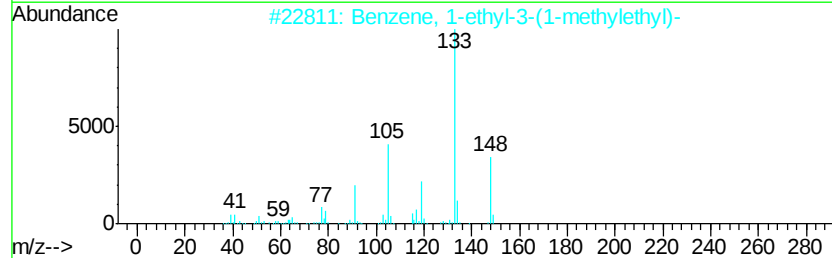
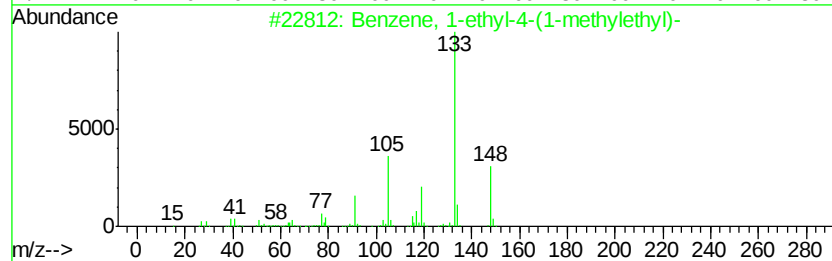
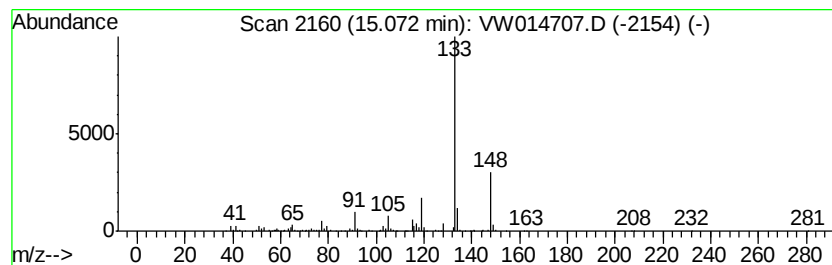
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	5.38 ug/L	306326	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
2		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	87
3		Benzene, 1,3-dimethyl-5-(1-methylethyl)-	148	C11H16	004706-90-5	87
4		Benzene, 2,4-dimethyl-1-(1-methylethyl)-	148	C11H16	004706-89-2	83
5		Benzene, 1-(1,1-dimethylethyl)-3-	148	C11H16	001075-38-3	80



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

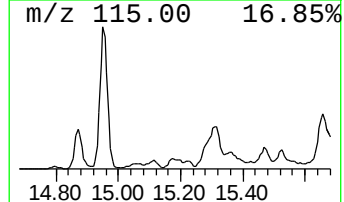
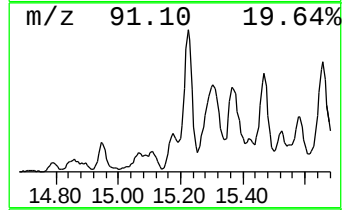
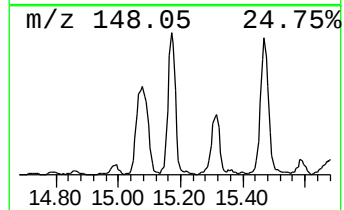
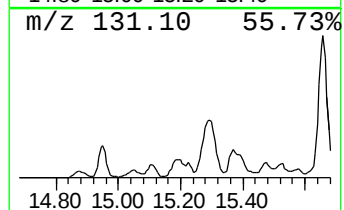
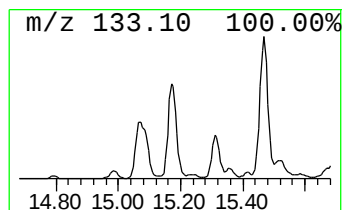
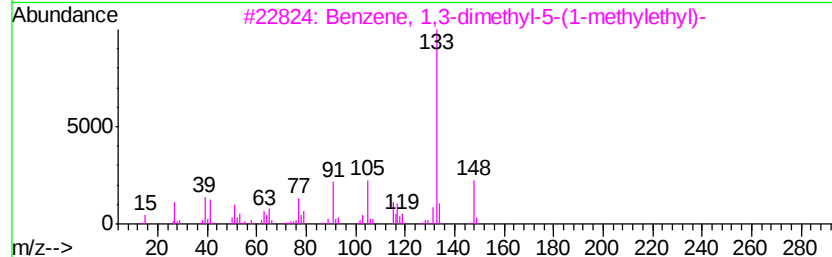
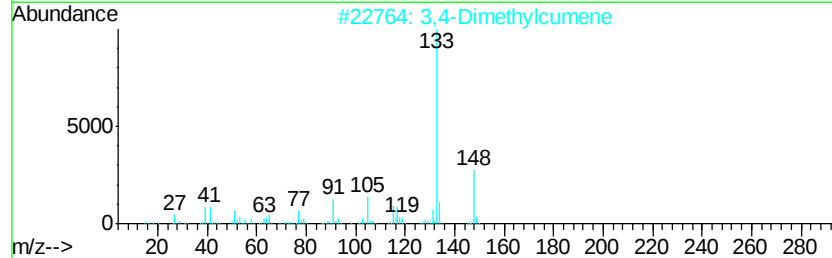
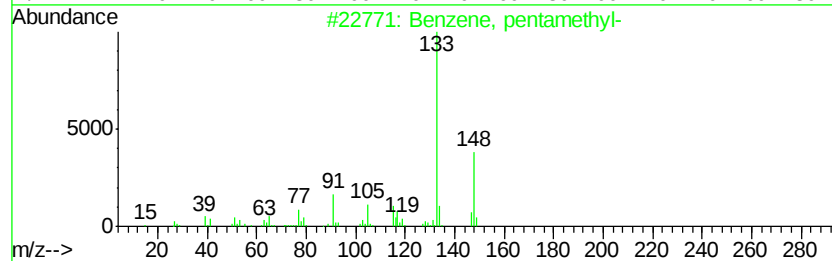
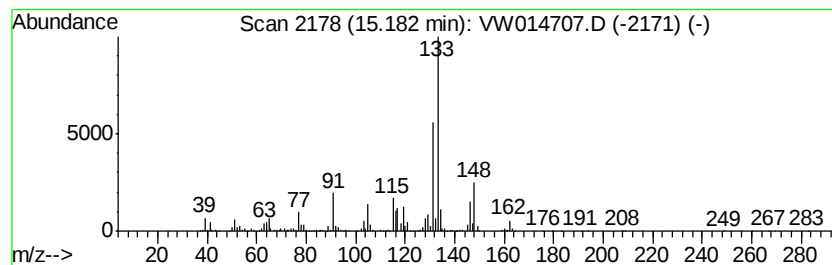
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, pentamethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	15.52 ug/L	883499	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2		3,4-Dimethylcumene	148	C11H16	1000370-34-1	76
3		Benzene, 1,3-dimethyl-5-(1-methv...	148	C11H16	004706-90-5	68
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	68
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

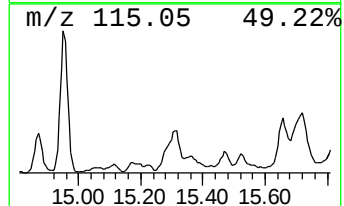
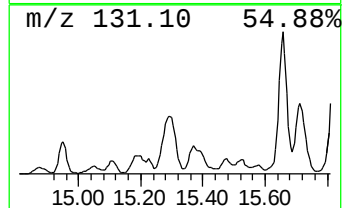
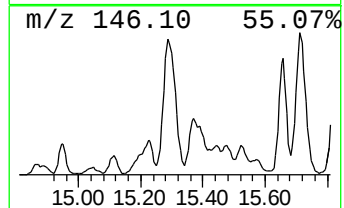
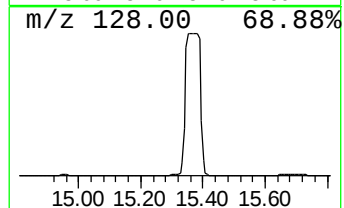
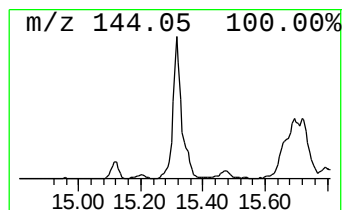
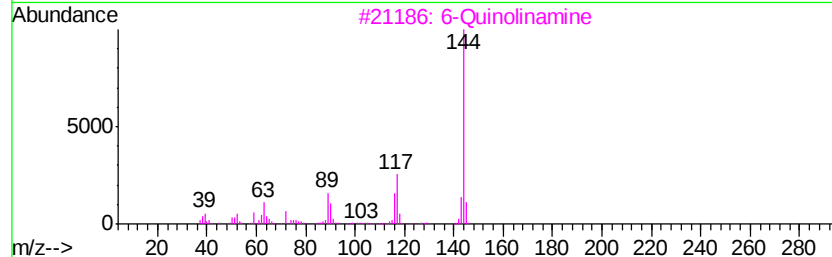
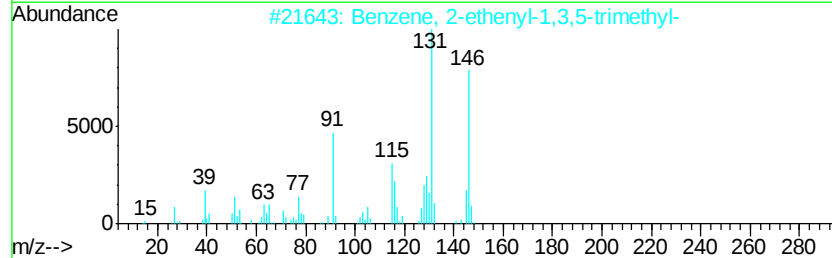
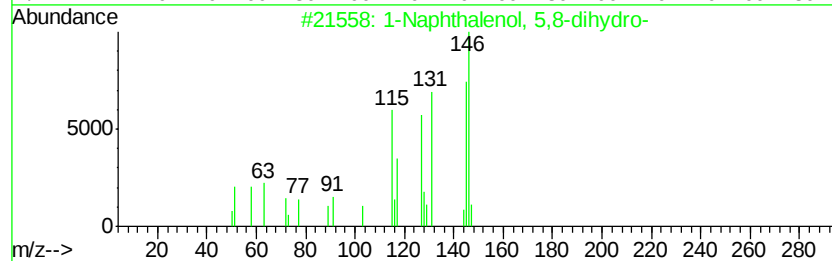
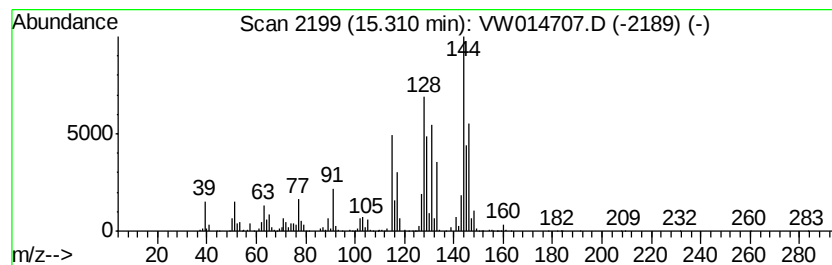
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Quant Title : VOC Analysis

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

Peak Number 16 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	43.56 ug/L	2479030	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	45
2		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	25
3		6-Quinolinamine	144	C9H8N2	000580-15-4	25
4		1H-Indole, 1,3-dimethyl-	145	C10H11N	000875-30-9	25
5		Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

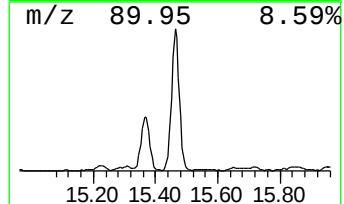
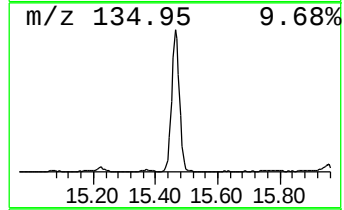
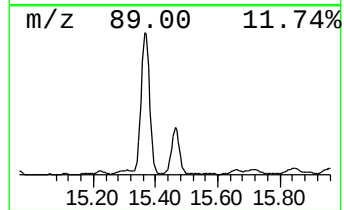
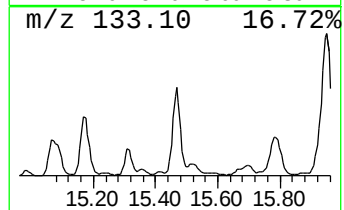
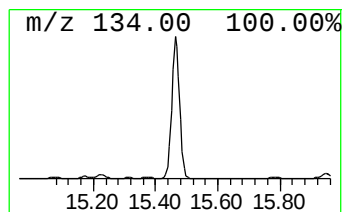
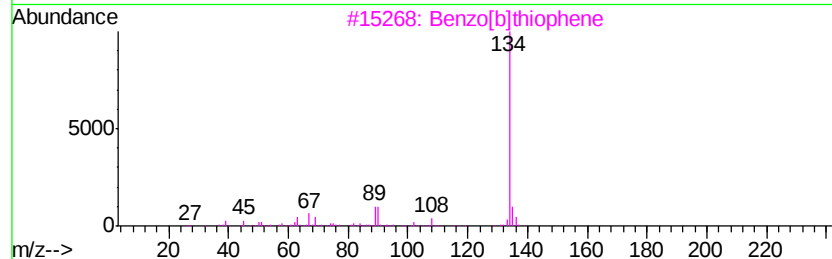
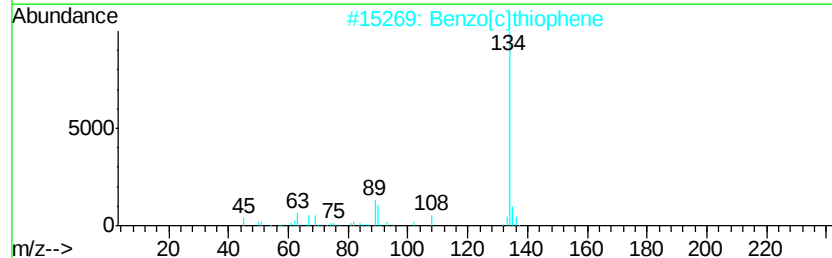
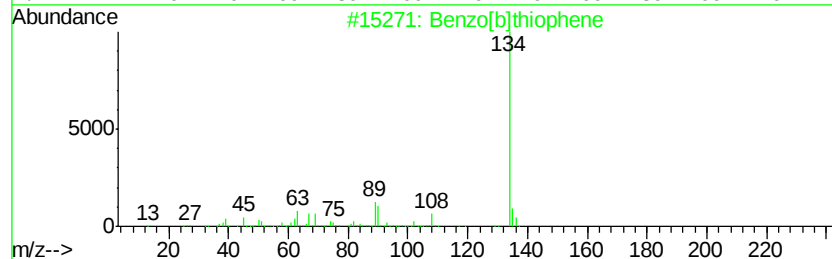
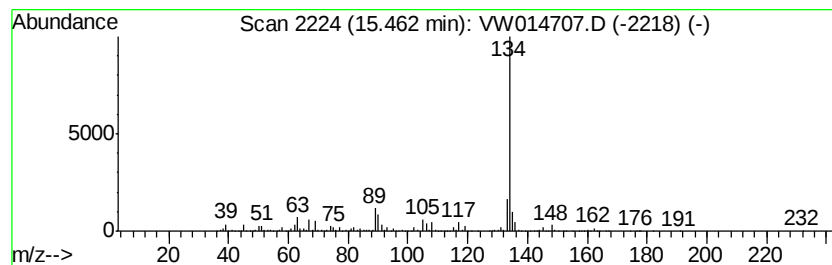
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Quant Title : VOC Analysis

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

Peak Number 18 Benzo[b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	67.67 ug/L	3851100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
2		Benzo[c]thiophene	134	C8H6S	000270-82-6	93
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	93
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	87
5		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012120\
 Data File : VW014707.D
 Acq On : 21 Jan 2020 11:52
 Operator : SY/VA
 Sample : L1193-13
 Misc : 4.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASP4

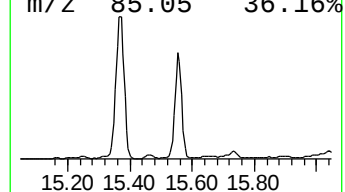
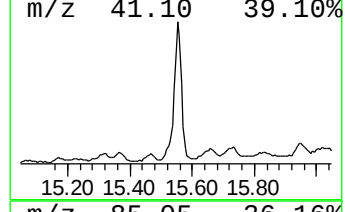
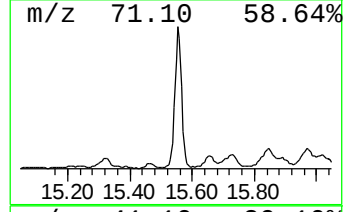
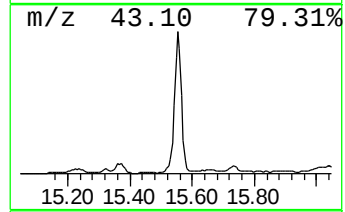
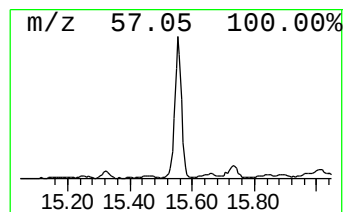
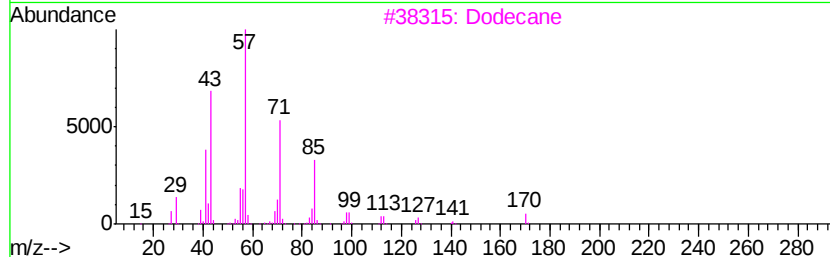
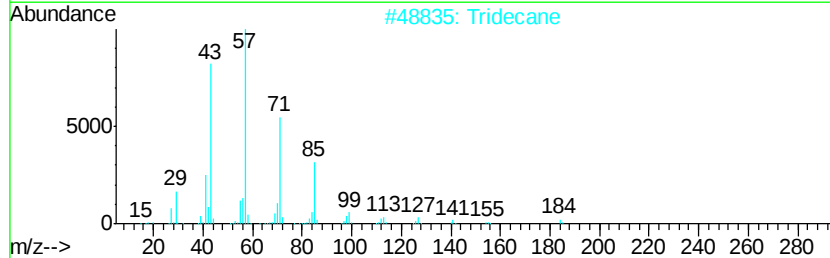
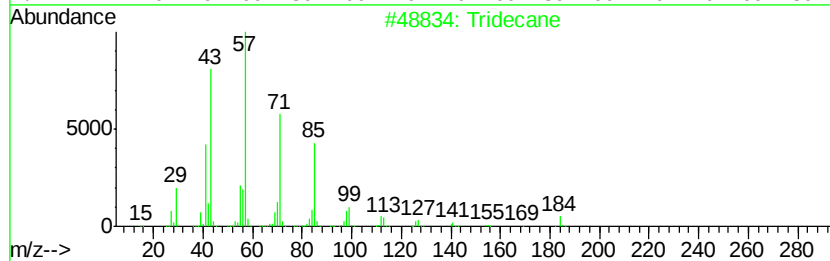
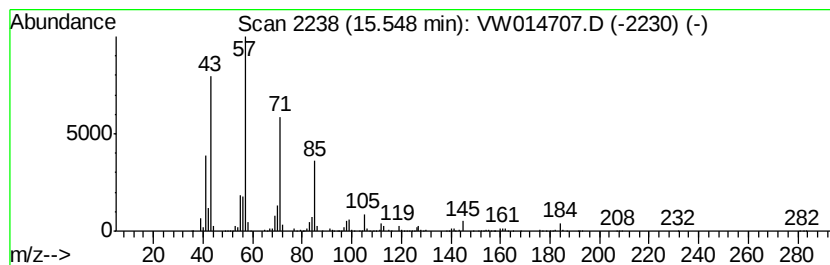
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 Quant Title : VOC Analysis

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

 Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	57.86 ug/L	3293040	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	95
2		Tridecane	184	C13H28	000629-50-5	94
3		Dodecane	170	C12H26	000112-40-3	86
4		Tridecane	184	C13H28	000629-50-5	83
5		Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

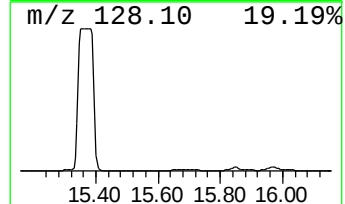
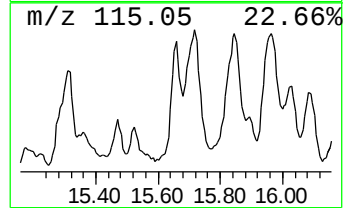
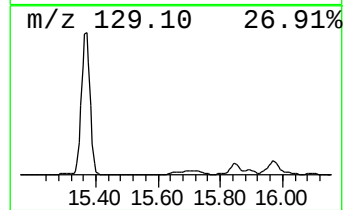
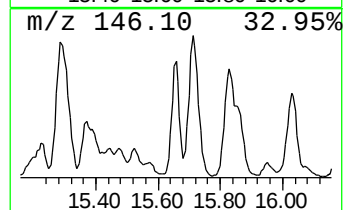
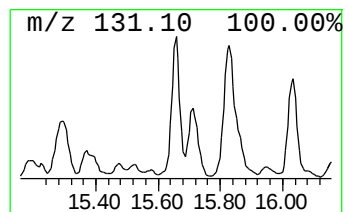
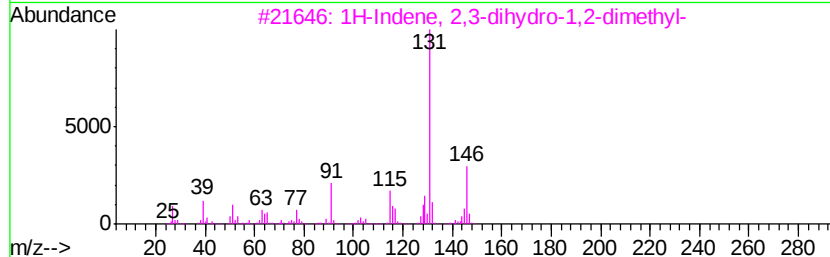
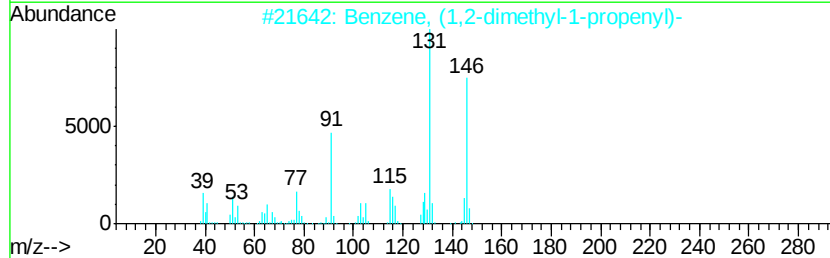
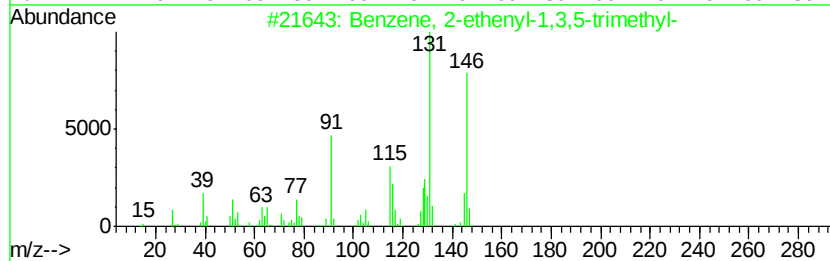
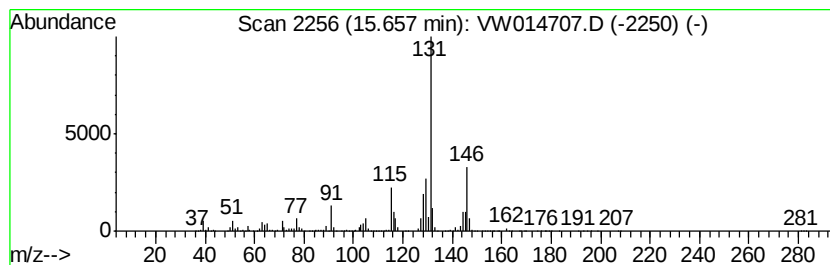
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	43.71 ug/L	2487800	1,4-Dichlorobenzene-d4	13.55

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, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

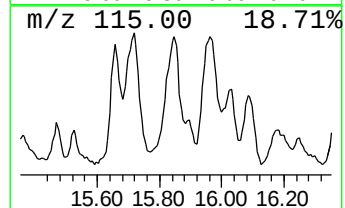
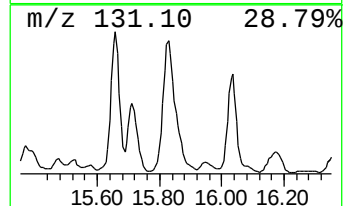
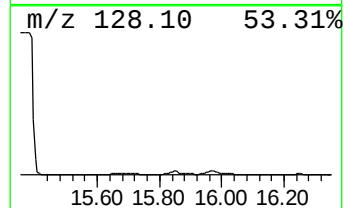
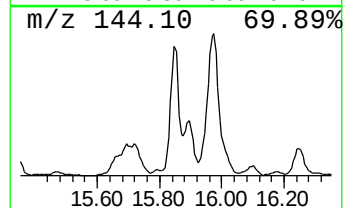
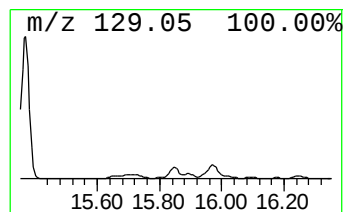
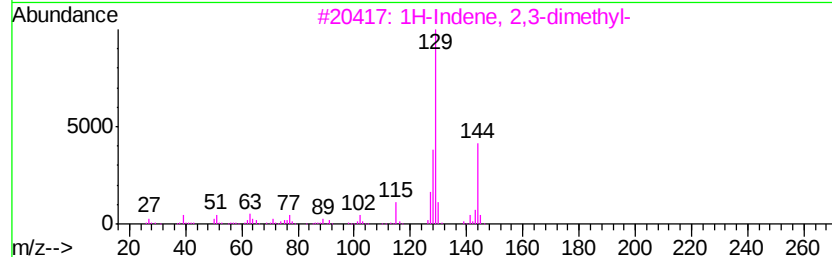
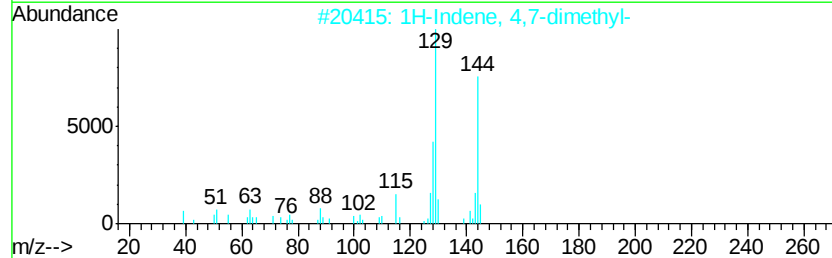
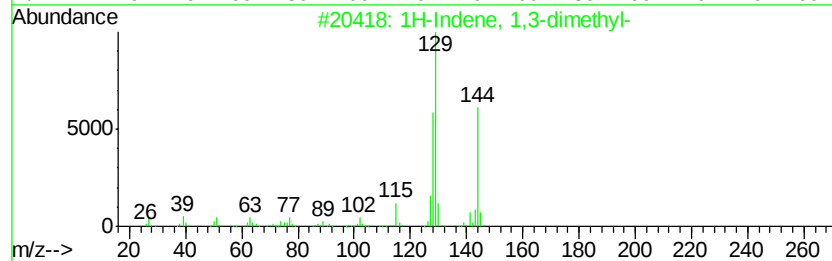
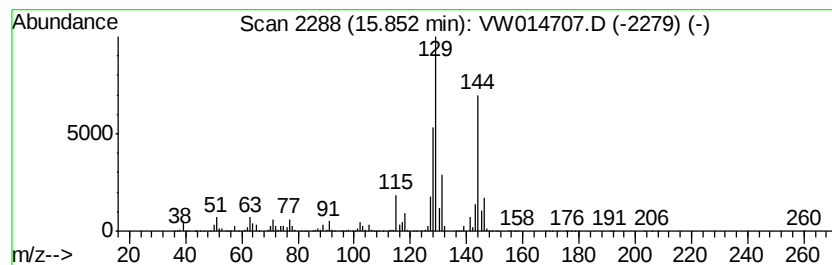
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Quant Title : VOC Analysis

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

Peak Number 21 1H-Indene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	73.93 ug/L	4207370	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
3		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91
4		Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	91
5		1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

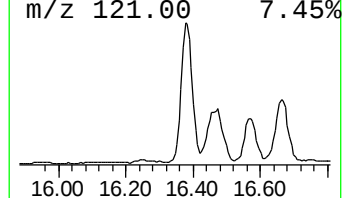
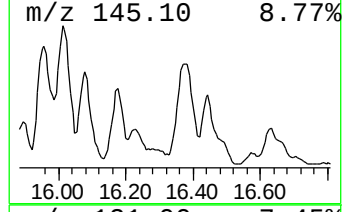
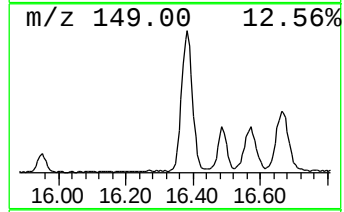
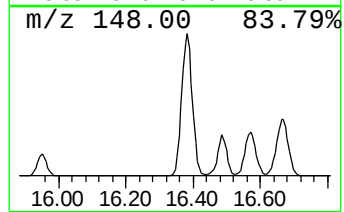
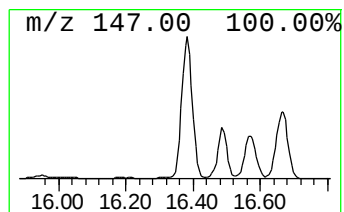
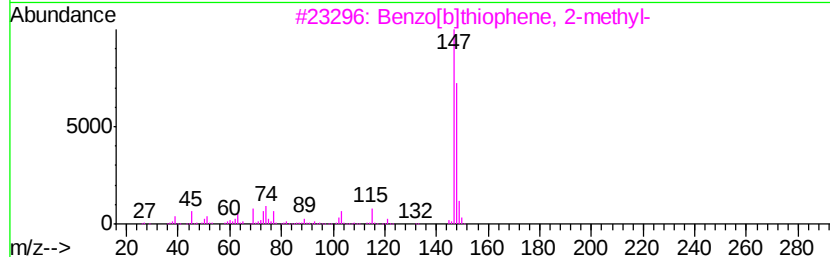
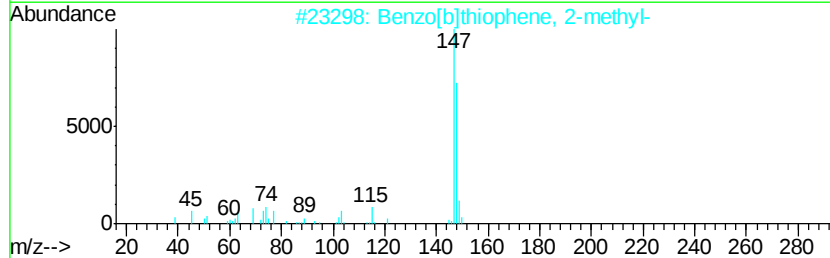
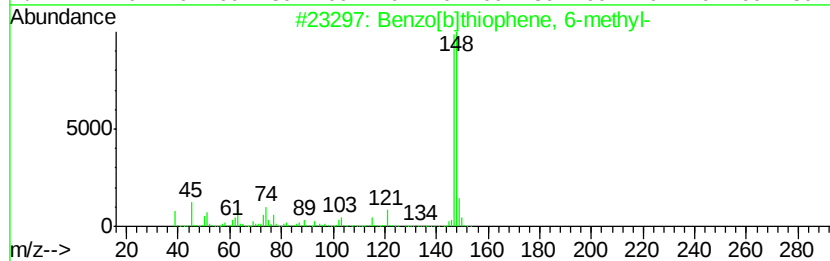
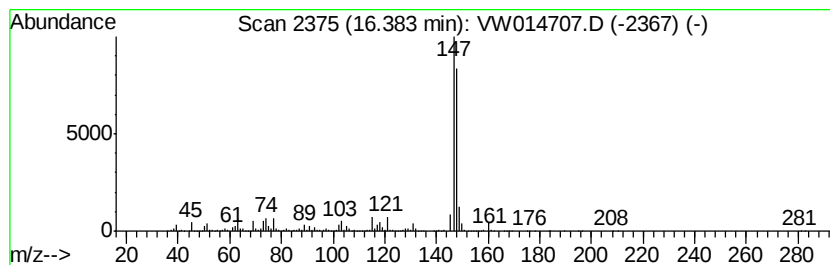
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Quant Title : VOC Analysis

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

Peak Number 23 Benzo[b]thiophene, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	117.24 ug/L	6672100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
2		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
3		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
4		3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
5		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

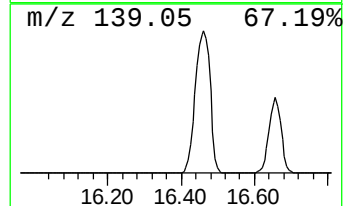
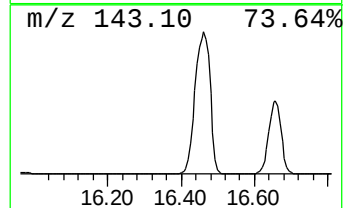
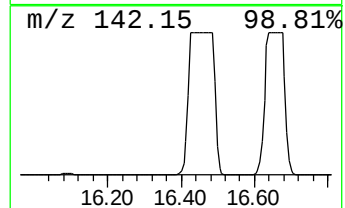
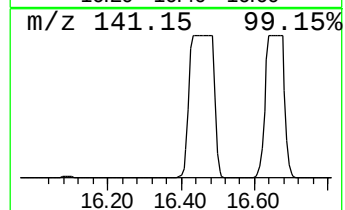
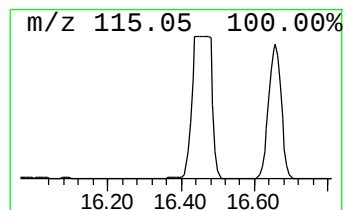
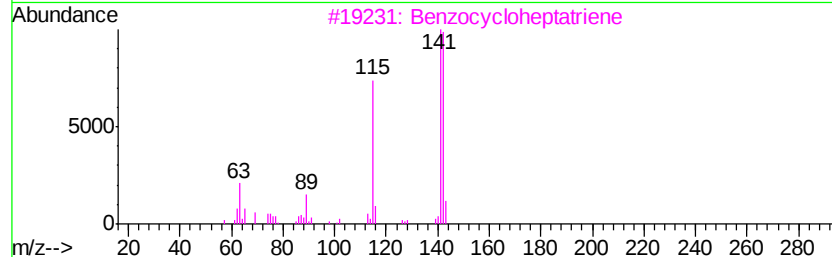
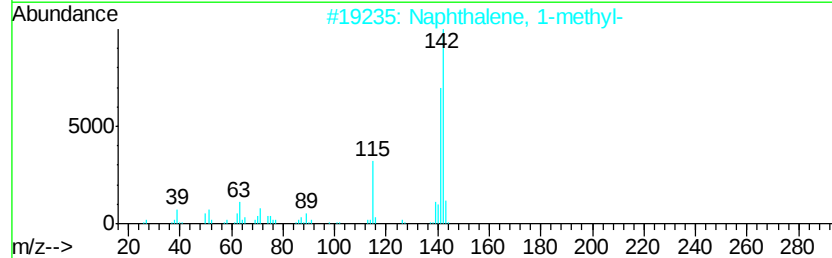
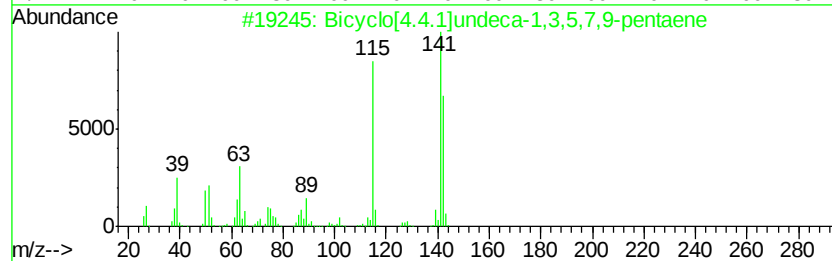
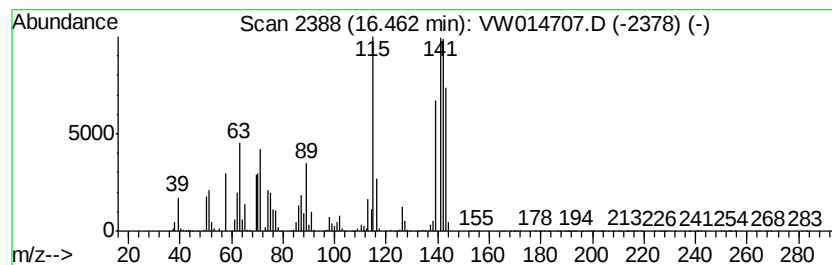
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Quant Title : VOC Analysis

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

Peak Number 24 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	5881.33 ug/L	334715000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	74
3		Benzocycloheptatriene	142	C11H10	000264-09-5	74
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	74
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

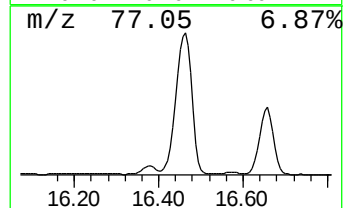
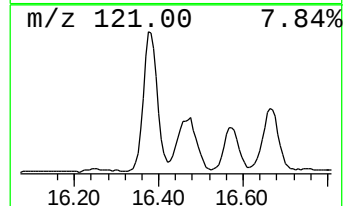
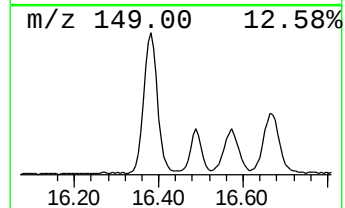
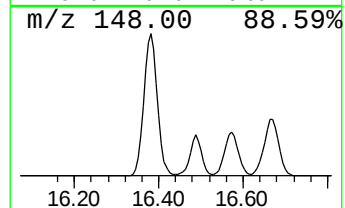
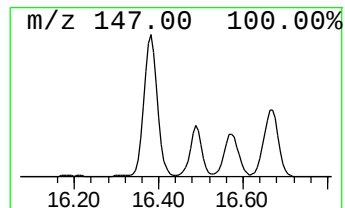
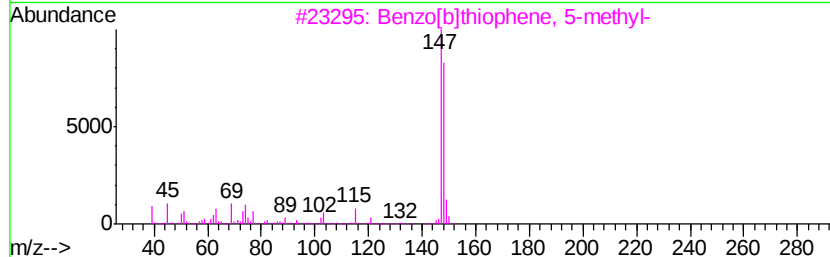
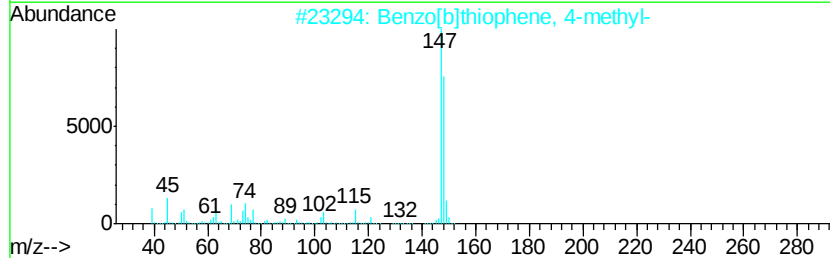
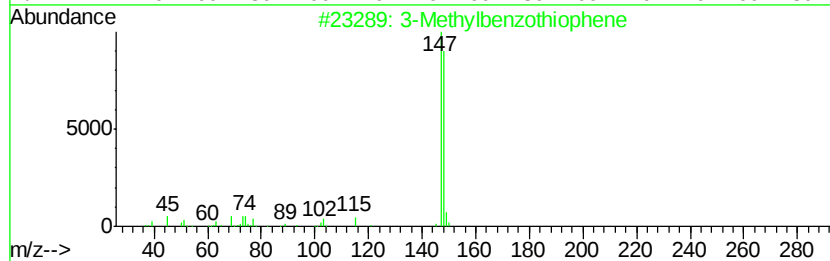
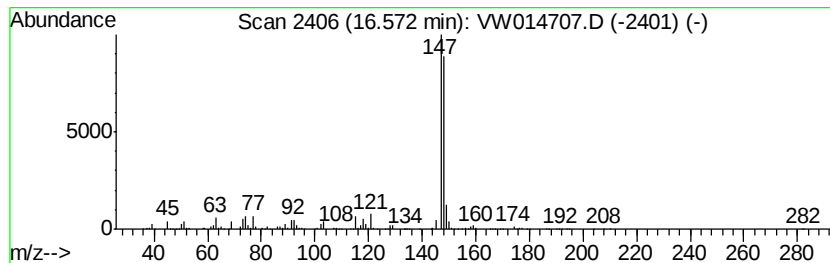
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 25 3-Methylbenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	33.33 ug/L	1896910	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
2		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
3		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
4		Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
5		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012120\
Data File : VW014707.D
Acq On : 21 Jan 2020 11:52
Operator : SY/VA
Sample : L1193-13
Misc : 4.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

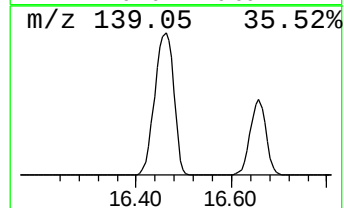
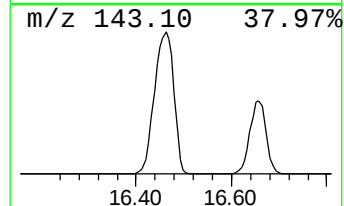
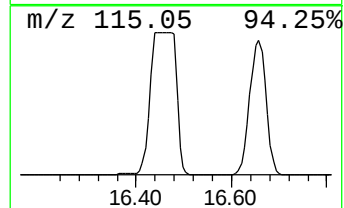
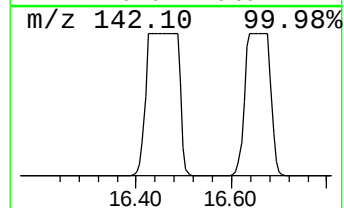
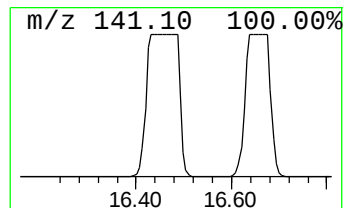
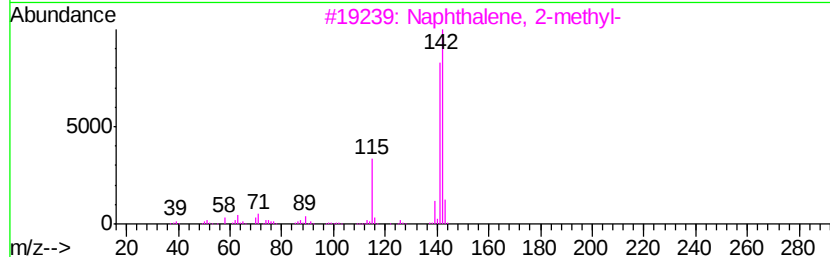
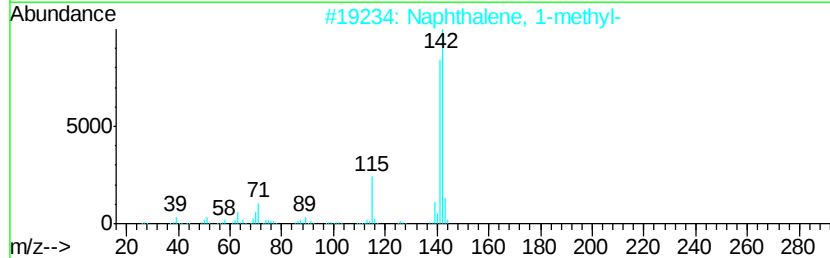
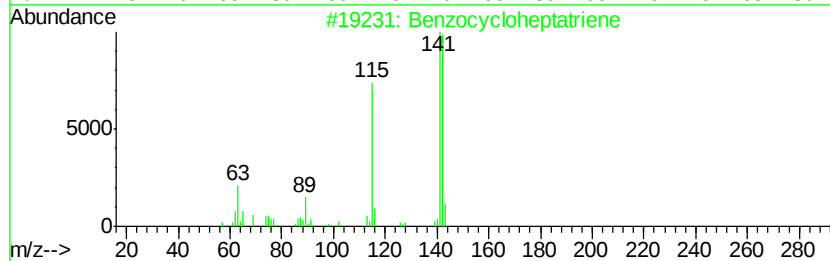
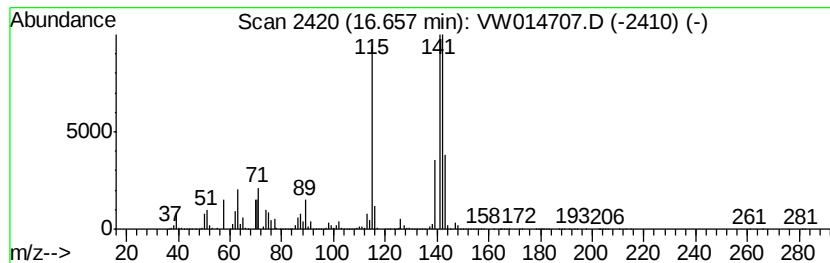
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis

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

Peak Number 26 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2959.68 ug/L	168439000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012120\
 Data File : VW014707.D
 Acq On : 21 Jan 2020 11:52
 Operator : SY/VA
 Sample : L1193-13
 Misc : 4.99G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASP4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.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
Benzene, 1-etheny...	13.30	9.1	ug/L	519457	3	13.55	1422790	25.0
Benzene, 1-etheny...	13.35	2.4	ug/L	137581	3	13.55	1422790	25.0
Indene	13.94	10.0	ug/L	571553	3	13.55	1422790	25.0
Acetophenone	14.29	1.5	ug/L	82239	3	13.55	1422790	25.0
Benzene, 1,3-diet...	14.47	1.7	ug/L	99310	3	13.55	1422790	25.0
Benzene, (2-methy...	14.55	1.4	ug/L	77588	3	13.55	1422790	25.0
(DEL) Alkane: Str...	14.72	1.5	ug/L	83033	3	13.55	1422790	25.0
Benzene, 1,2,3,5-...	14.79	2.7	ug/L	153284	3	13.55	1422790	25.0
Benzene, (1-methy...	14.87	11.7	ug/L	664219	3	13.55	1422790	25.0
Benzene, 1-ethyl-...	15.07	5.4	ug/L	306326	3	13.55	1422790	25.0
Benzene, pentamet...	15.18	15.5	ug/L	883499	3	13.55	1422790	25.0
unknown-01	15.31	43.6	ug/L	2479030	3	13.55	1422790	25.0
Benzo[b]thiophene	15.46	67.7	ug/L	3851100	3	13.55	1422790	25.0
(DEL) Alkane: Str...	15.55	57.9	ug/L	3293040	3	13.55	1422790	25.0
Benzene, 2-etheny...	15.66	43.7	ug/L	2487800	3	13.55	1422790	25.0
1H-Indene, 1,3-di...	15.85	73.9	ug/L	4207370	3	13.55	1422790	25.0
Benzo[b]thiophene...	16.38	117.2	ug/L	6672100	3	13.55	1422790	25.0
Bicyclo[4.4.1]und...	16.46	5881.3	ug/L	334715000	3	13.55	1422790	25.0
3-Methylbenzothio...	16.57	33.3	ug/L	1896910	3	13.55	1422790	25.0
Benzocycloheptatr...	16.66	2959.7	ug/L	168439000	3	13.55	1422790	25.0