

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010126.D
 Acq On : 25 Apr 2019 02:25
 Operator : SY/VA
 Sample : K2481-22
 Misc : 5.07G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	67	74	88	rVV	78695	192526	0.07%	0.007%
2	2.892	153	162	175	rBV	69003	202292	0.08%	0.007%
3	4.013	333	346	358	rBV2	198943	686952	0.25%	0.024%
4	7.080	841	849	858	rVV2	63116	172447	0.06%	0.006%
5	7.647	932	942	963	rVB	380160	980378	0.36%	0.034%
6	8.275	1032	1045	1047	rBV	730549	1538646	0.57%	0.053%
7	8.317	1047	1052	1065	rVB	1689662	3988492	1.48%	0.138%
8	8.842	1127	1138	1150	rBV	925730	1822929	0.68%	0.063%
9	9.080	1168	1177	1185	rBV3	60579	136710	0.05%	0.005%
10	9.275	1199	1209	1215	rBV	516809	1059556	0.39%	0.037%
11	9.336	1215	1219	1233	rVB3	56641	139274	0.05%	0.005%
12	10.031	1328	1333	1339	rVB	208162	358079	0.13%	0.012%
13	10.201	1354	1361	1366	rBV2	90382	162378	0.06%	0.006%
14	10.268	1366	1372	1375	rBV	193757	381761	0.14%	0.013%
15	10.323	1375	1381	1385	rBV	952051	1647118	0.61%	0.057%
16	10.390	1385	1392	1403	rVB2	57850299	114232049	42.37%	3.955%
17	10.500	1403	1410	1417	rVB3	975081	2026705	0.75%	0.070%
18	10.579	1417	1423	1427	rBV	134542	229704	0.09%	0.008%
19	10.646	1427	1434	1443	rVB	752521	1525755	0.57%	0.053%
20	10.756	1445	1452	1462	rBV6	105911	319372	0.12%	0.011%
21	10.927	1473	1480	1489	rBV2	355741	727328	0.27%	0.025%
22	11.055	1497	1501	1505	rVB3	91103	139326	0.05%	0.005%
23	11.104	1505	1509	1512	rBV3	103857	157426	0.06%	0.005%
24	11.177	1517	1521	1525	rVB	279636	402117	0.15%	0.014%
25	11.244	1525	1532	1543	rBV2	1261944	2687956	1.00%	0.093%
26	11.341	1543	1548	1552	rVB2	211463	363461	0.13%	0.013%
27	11.414	1552	1560	1572	rBV4	314107	986811	0.37%	0.034%
28	11.512	1572	1576	1580	rBV	347353	552371	0.20%	0.019%
29	11.555	1580	1583	1590	rVB3	124202	197419	0.07%	0.007%
30	11.634	1590	1596	1605	rBV	1087771	1985921	0.74%	0.069%
31	11.731	1605	1612	1619	rBV2	29179483	50268534	18.64%	1.741%
32	11.847	1619	1631	1641	rVV3	113621455	269630455	100.00%	9.336%
33	11.927	1641	1644	1647	rVB3	167121	207870	0.08%	0.007%
34	11.975	1647	1652	1662	rBV	2918037	4855509	1.80%	0.168%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010126.D
 Acq On : 25 Apr 2019 02:25
 Operator : SY/VA
 Sample : K2481-22
 Misc : 5.07G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

Integration Parameters: LSCINT.P

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

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

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

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

35	12.122	1670	1676	1678	rBV	2033572	3236204	1.20%	0.112%
36	12.183	1678	1686	1694	rVV5	114013178	256700592	95.20%	8.889%
37	12.256	1694	1698	1702	rVB	661602	1027877	0.38%	0.036%
38	12.353	1702	1714	1724	rBV6	1696130	5674627	2.10%	0.196%
39	12.469	1727	1733	1737	rBV	1986490	3336361	1.24%	0.116%
40	12.512	1737	1740	1742	rBV4	131614	197920	0.07%	0.007%
41	12.542	1742	1745	1748	rVB3	326106	364760	0.14%	0.013%
42	12.573	1748	1750	1754	rVB	533271	586231	0.22%	0.020%
43	12.622	1754	1758	1759	rBV3	117105	162896	0.06%	0.006%
44	12.652	1760	1763	1767	rBV	392673	492892	0.18%	0.017%
45	12.701	1767	1771	1773	rBV2	347967	505647	0.19%	0.018%
46	12.743	1773	1778	1782	rBV	3113364	4579013	1.70%	0.159%
47	12.804	1782	1788	1793	rVB	5470100	8782284	3.26%	0.304%
48	12.872	1793	1799	1802	rBV	34192095	57749144	21.42%	2.000%
49	12.902	1802	1804	1807	rVV	16742689	23433433	8.69%	0.811%
50	12.945	1807	1811	1817	rVB2	41192582	71559212	26.54%	2.478%
51	13.000	1817	1820	1823	rVB	638021	765438	0.28%	0.027%
52	13.042	1823	1827	1831	rVB	538990	798147	0.30%	0.028%
53	13.121	1831	1840	1846	rBV2	25252772	52957030	19.64%	1.834%
54	13.170	1846	1848	1854	rVB	1624209	2088836	0.77%	0.072%
55	13.262	1854	1863	1867	rBV3	86190223	159498676	59.15%	5.523%
56	13.310	1867	1871	1875	rVV	57801266	91014470	33.76%	3.151%
57	13.359	1875	1879	1887	rVB	24636707	37981382	14.09%	1.315%
58	13.481	1888	1899	1909	rBV	41356141	82488939	30.59%	2.856%
59	13.591	1909	1917	1921	rBV2	36545311	62198537	23.07%	2.154%
60	13.634	1921	1924	1932	rVB	14215145	20941432	7.77%	0.725%
61	13.762	1932	1945	1949	rBV	23716393	46684345	17.31%	1.616%
62	13.804	1949	1952	1956	rVV2	7642873	11611412	4.31%	0.402%
63	13.841	1956	1958	1960	rVV2	1374177	1494198	0.55%	0.052%
64	13.877	1960	1964	1969	rVB	16060349	22703264	8.42%	0.786%
65	13.951	1969	1976	1983	rBV2	98419181	250563222	92.93%	8.676%
66	14.018	1983	1987	1989	rBV	4338138	6362925	2.36%	0.220%
67	14.048	1989	1992	1994	rVV	6219419	10064060	3.73%	0.348%
68	14.103	1998	2001	2005	rVB	8486143	10989874	4.08%	0.381%
69	14.152	2005	2009	2014	rVB3	5729848	10846884	4.02%	0.376%
70	14.213	2014	2019	2020	rBV2	5727400	7607824	2.82%	0.263%
71	14.237	2020	2023	2028	rVB	9730705	14690546	5.45%	0.509%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010126.D
 Acq On : 25 Apr 2019 02:25
 Operator : SY/VA
 Sample : K2481-22
 Misc : 5.07G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

Integration Parameters: LSCINT.P

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

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

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

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

72	14.292	2029	2032	2036	rVB	2275579	2979460	1.11%	0.103%
73	14.347	2036	2041	2045	rBV3	4344688	8567992	3.18%	0.297%
74	14.396	2045	2049	2053	rVV	15583827	27934293	10.36%	0.967%
75	14.493	2057	2065	2072	rVV2	31602889	83144022	30.84%	2.879%
76	14.560	2072	2076	2081	rVB4	10810453	17482929	6.48%	0.605%
77	14.603	2081	2083	2087	rVB4	1404791	1737403	0.64%	0.060%
78	14.652	2087	2091	2094	rBV	1208615	1716751	0.64%	0.059%
79	14.694	2094	2098	2101	rBV	6378781	10858166	4.03%	0.376%
80	14.737	2101	2105	2110	rVB	26462189	38685376	14.35%	1.340%
81	14.804	2110	2116	2122	rBV2	18058437	38111962	14.13%	1.320%
82	14.883	2122	2129	2135	rVB2	52987836	100526711	37.28%	3.481%
83	14.963	2135	2142	2150	rVB	54270176	95985236	35.60%	3.324%
84	15.066	2153	2159	2165	rBV3	5729008	13403249	4.97%	0.464%
85	15.255	2187	2190	2193	rBV2	2857761	4169606	1.55%	0.144%
86	15.334	2197	2203	2205	rBV2	11509677	20026112	7.43%	0.693%
87	15.383	2205	2211	2213	rBV3	103297132	201241743	74.64%	6.968%
88	15.487	2221	2228	2234	rVV	22332931	38210739	14.17%	1.323%
89	15.566	2236	2241	2249	rVB	24053552	40662378	15.08%	1.408%
90	15.670	2250	2258	2264	rBV9	3246281	10096860	3.74%	0.350%
91	15.743	2265	2270	2276	rVB4	4324242	8650197	3.21%	0.300%
92	15.810	2276	2281	2283	rBV3	1949765	3718664	1.38%	0.129%
93	15.981	2303	2309	2313	rBV2	2611521	5759751	2.14%	0.199%
94	16.182	2335	2342	2346	rBV6	1714835	4266011	1.58%	0.148%
95	16.231	2347	2350	2357	rVV3	1627594	4676946	1.73%	0.162%
96	16.298	2358	2361	2368	rVB	1947004	3329246	1.23%	0.115%
97	16.389	2369	2376	2379	rBV2	1852870	4322067	1.60%	0.150%
98	16.462	2379	2388	2400	rVB2	77395253	194138778	72.00%	6.722%
99	16.578	2401	2407	2412	rVV	1370614	3128934	1.16%	0.108%
100	16.657	2412	2420	2431	rVB2	39563730	92763867	34.40%	3.212%

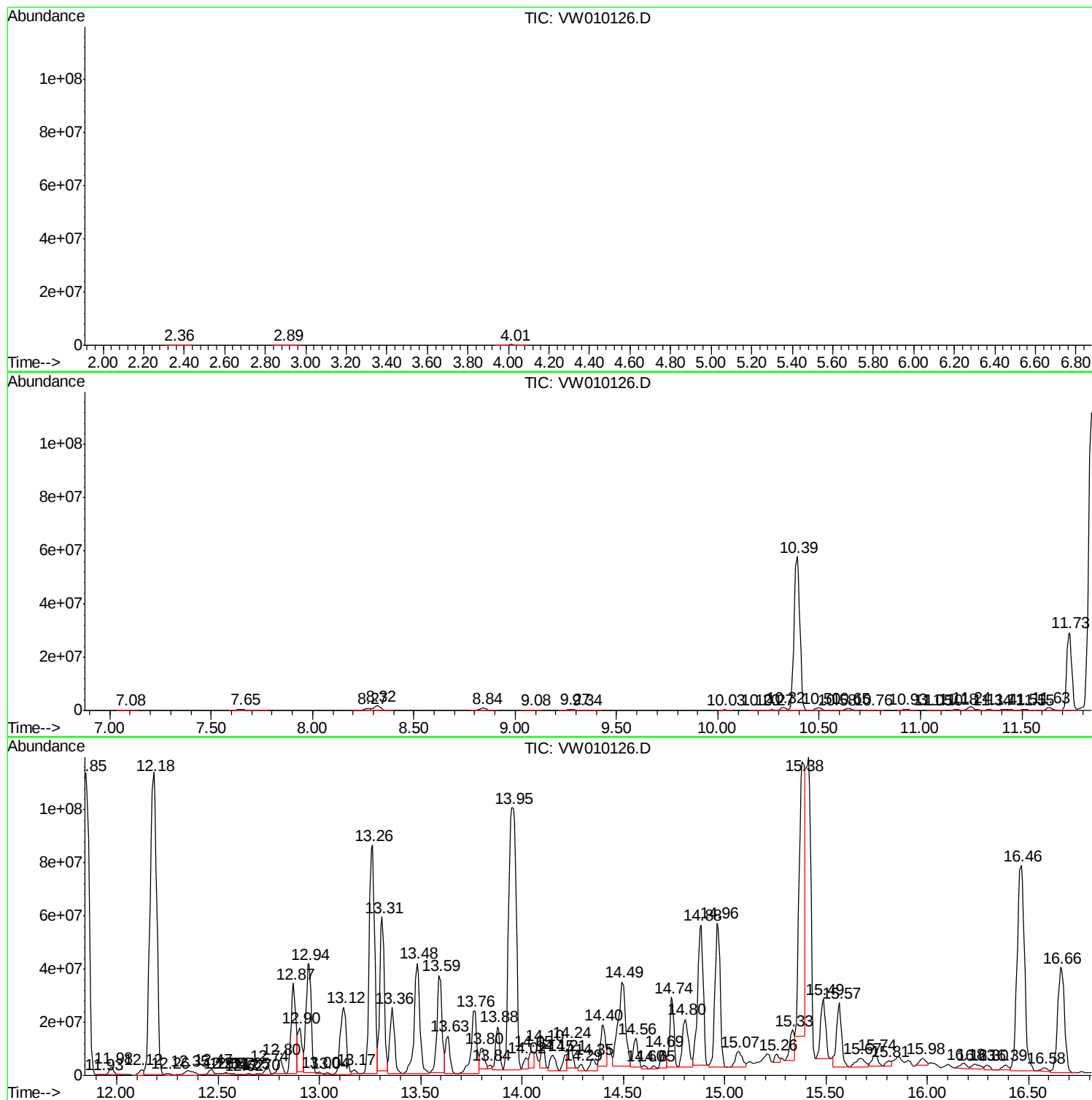
Sum of corrected areas: 2888001610

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

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

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

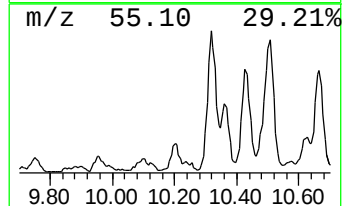
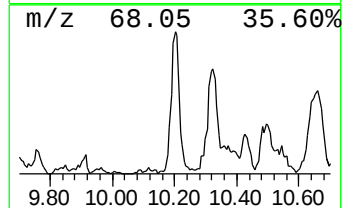
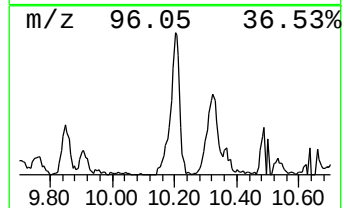
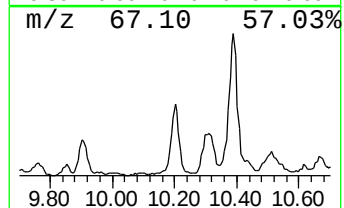
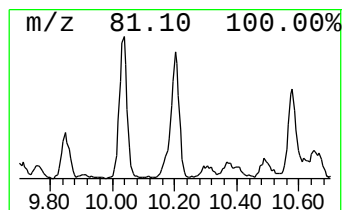
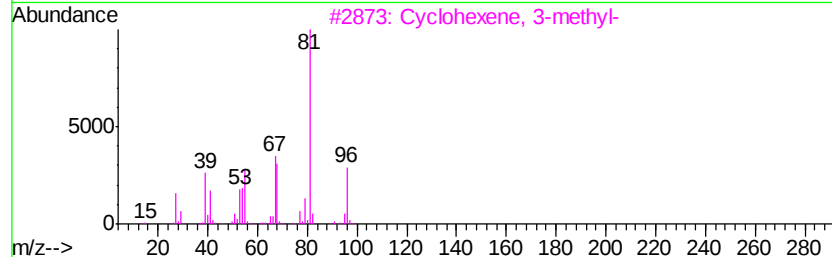
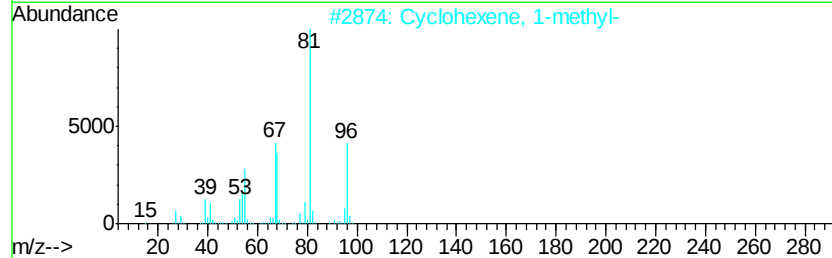
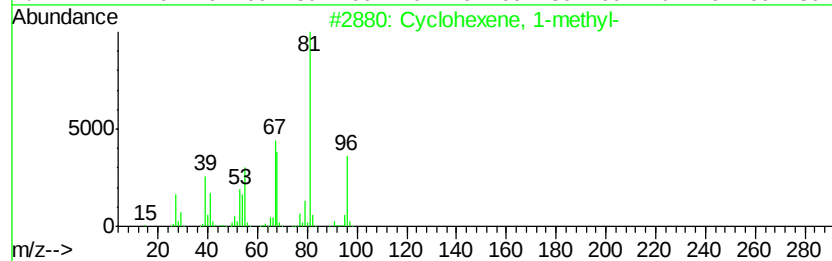
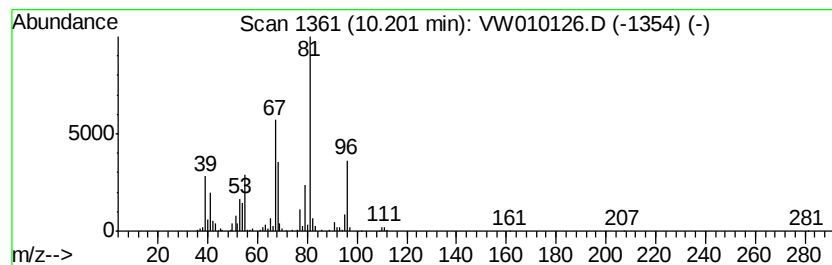
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 3 Cyclohexene, 1-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	2.23 ug/L	162378	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	91
2		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	74
4		Cyclopropane, trimethylmethylen-	96	C7H12	034462-28-7	72
5		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010126.D
 Acq On : 25 Apr 2019 02:25
 Operator : SY/VA
 Sample : K2481-22
 Misc : 5.07G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

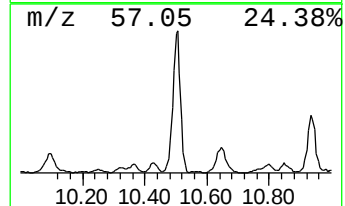
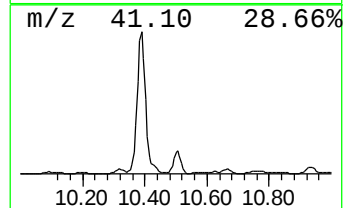
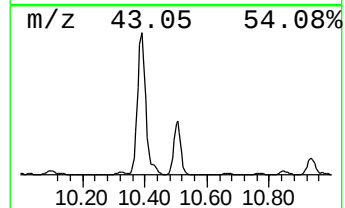
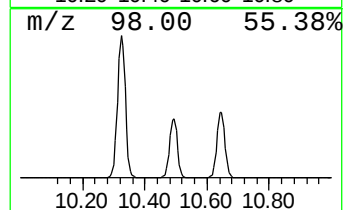
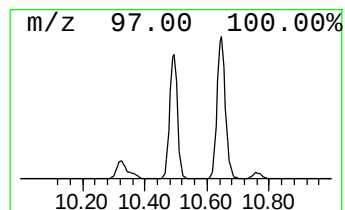
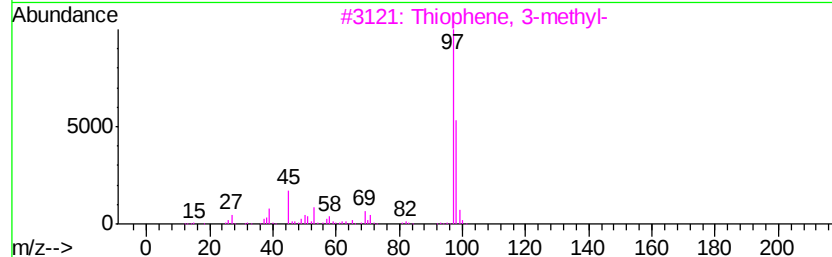
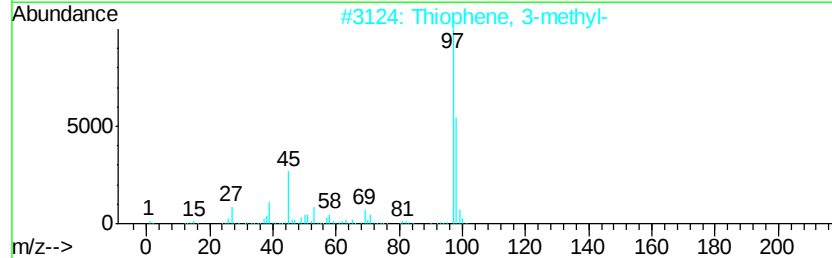
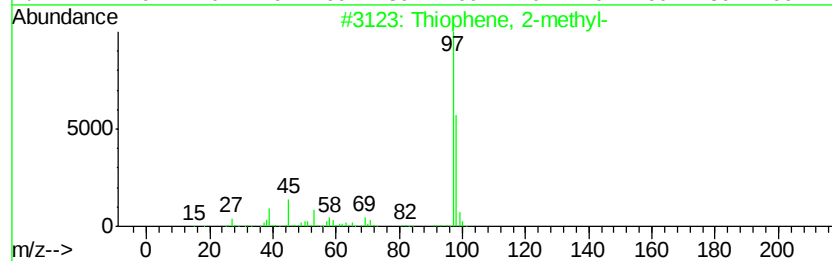
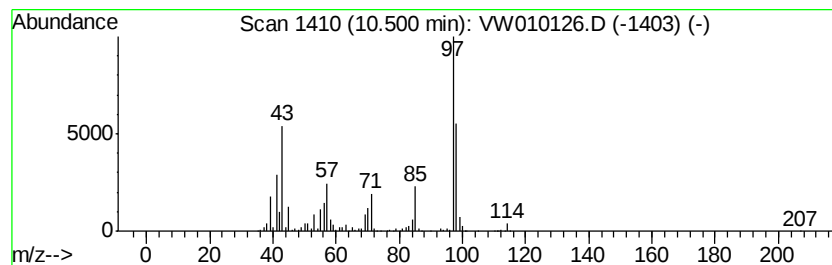
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis

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

 Peak Number 5 Thiophene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	25.51 ug/L	2026710	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
2		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	64
3		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	64
4		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	64
5		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHX5

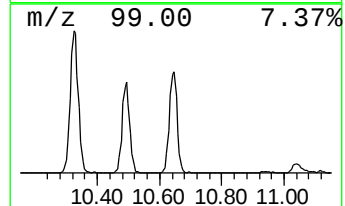
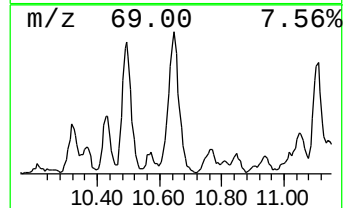
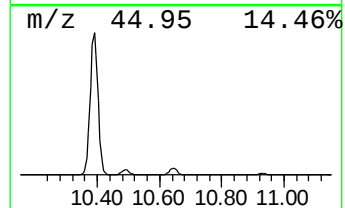
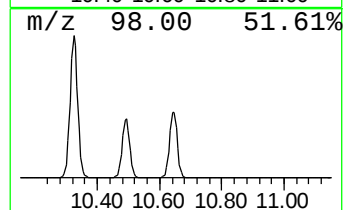
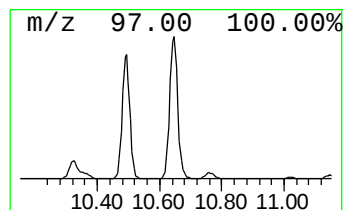
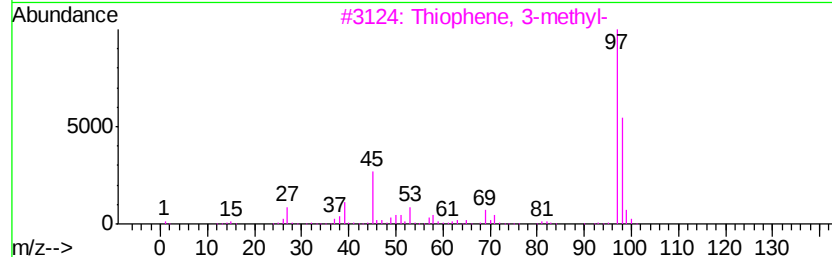
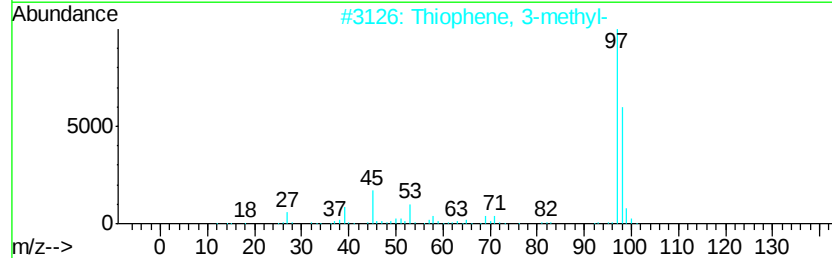
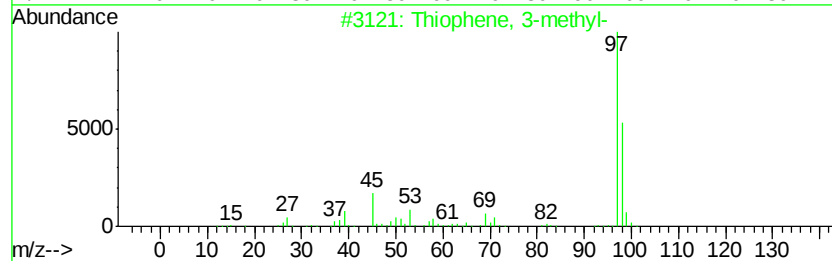
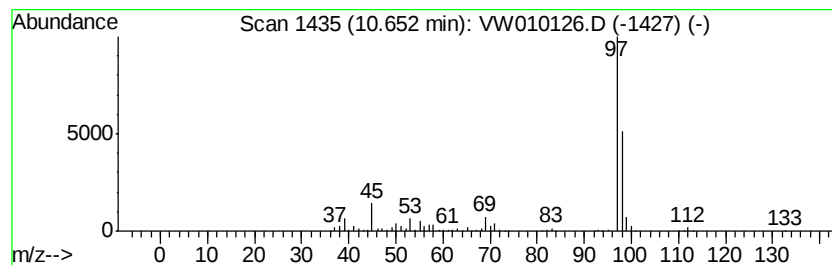
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 6 Thiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	19.21 ug/L	1525760	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	97
2		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
4		Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
5		Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

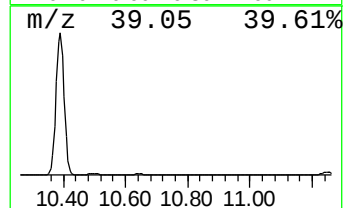
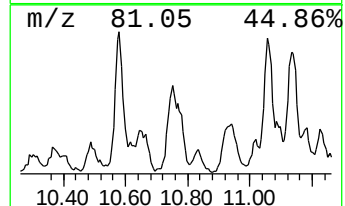
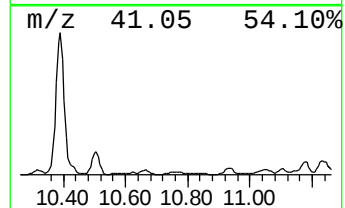
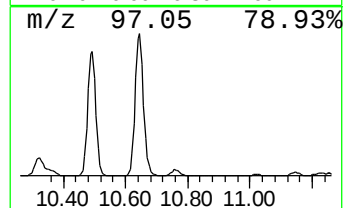
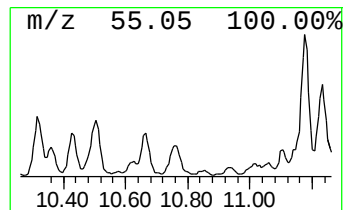
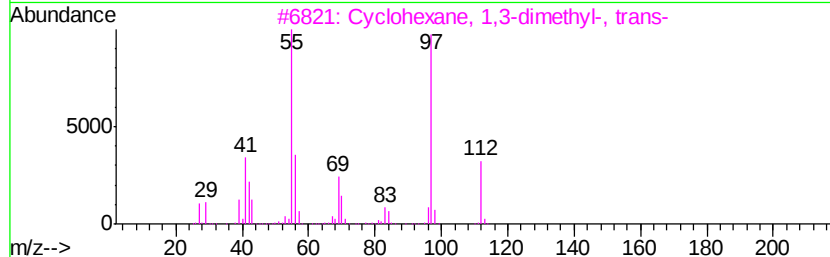
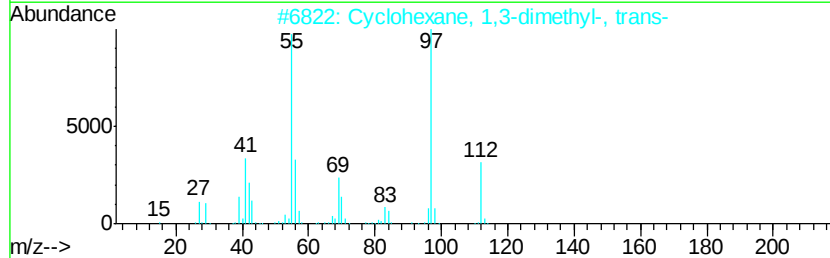
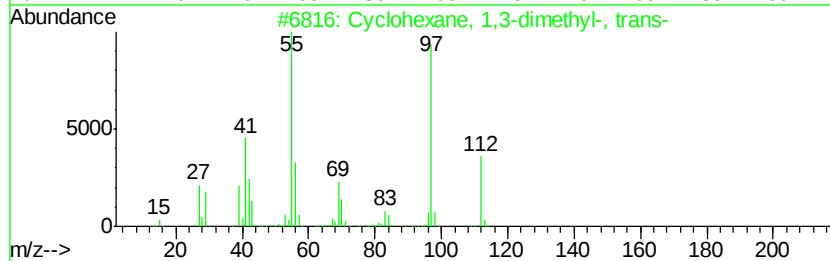
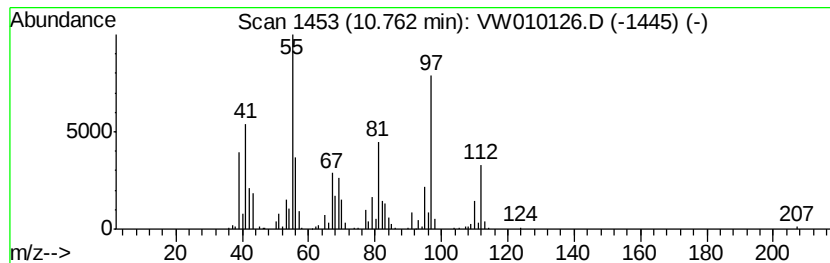
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic10.76 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	4.02 ug/L	319372	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

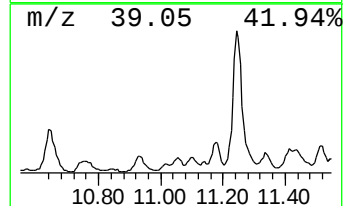
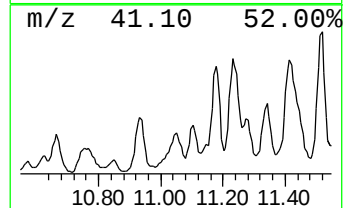
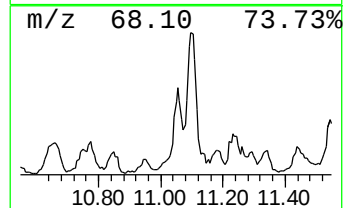
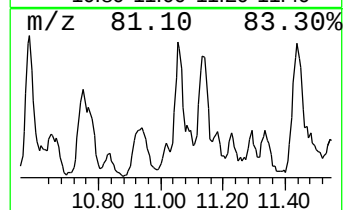
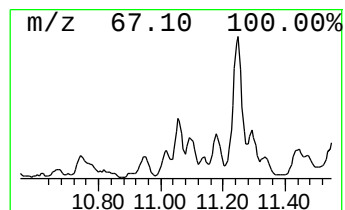
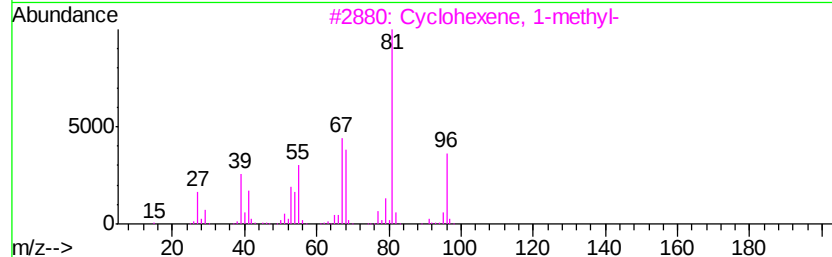
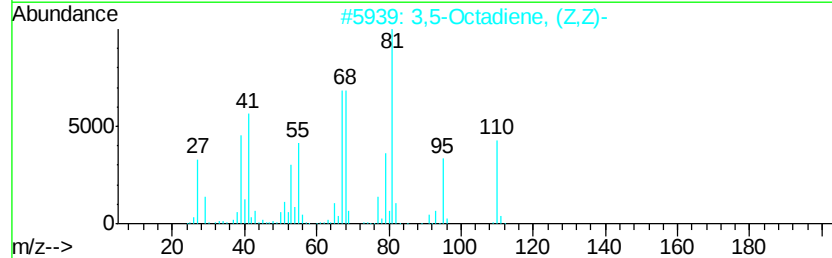
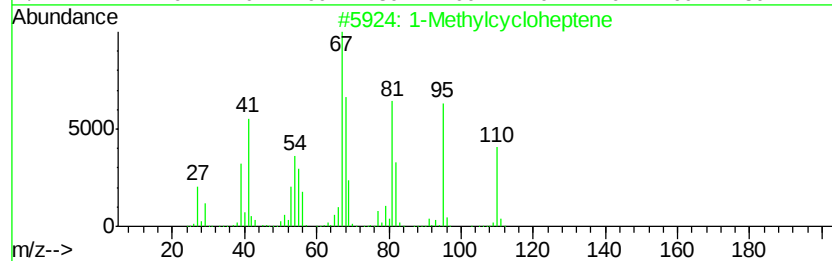
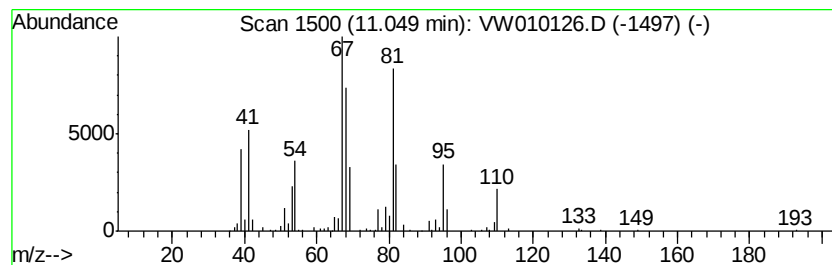
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 8 1-Methylcycloheptene Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	1.75 ug/L	139326	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methylcycloheptene	110	C8H14	055308-20-8	70
2		3,5-Octadiene, (Z,Z)-	110	C8H14	007348-80-3	52
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
4		2,4-Octadiene	110	C8H14	013643-08-8	46
5		1-Methylcycloheptene	110	C8H14	055308-20-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

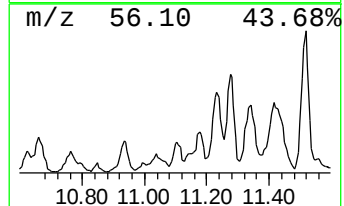
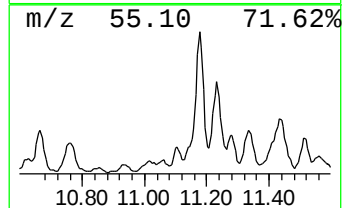
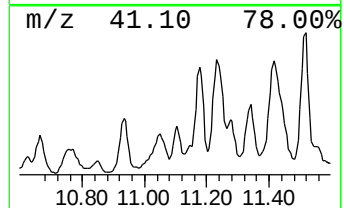
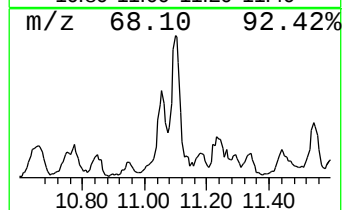
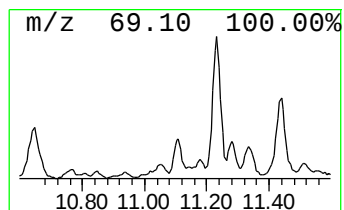
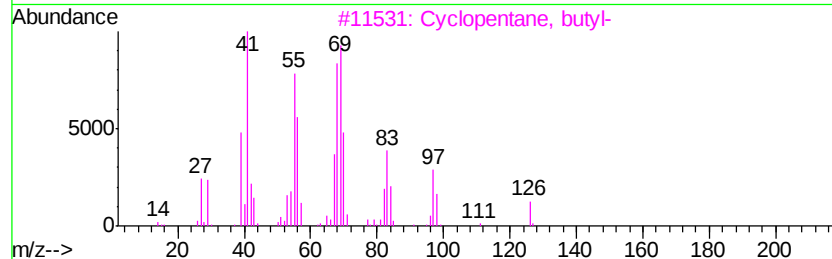
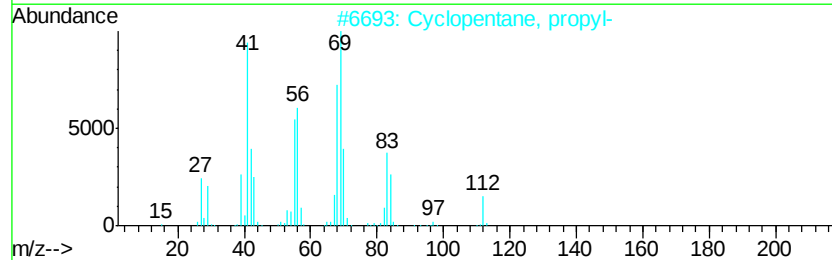
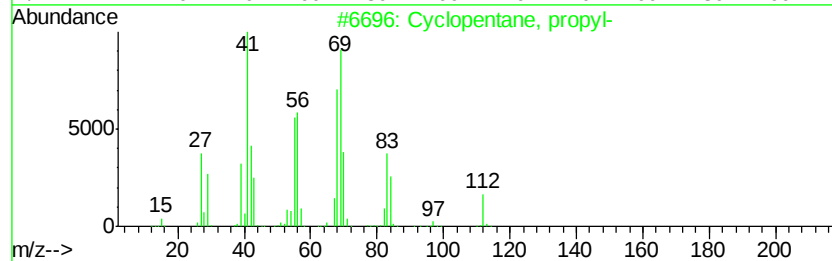
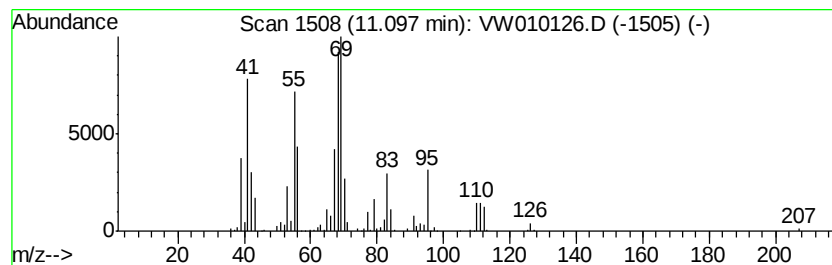
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic11.10 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	1.98 ug/L	157426	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, propyl-	112	C8H16	002040-96-2	55
2		Cyclopentane, propyl-	112	C8H16	002040-96-2	55
3		Cyclopentane, butyl-	126	C9H18	002040-95-1	50
4		7-Oxabicyclo[4.1.0]heptane, 2-me...	112	C7H12O	005410-22-0	46
5		4-Heptenal, (E)-	112	C7H12O	000929-22-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

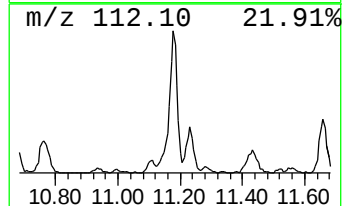
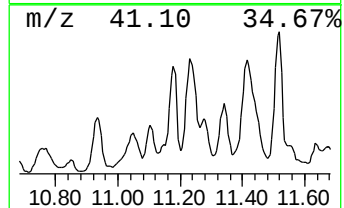
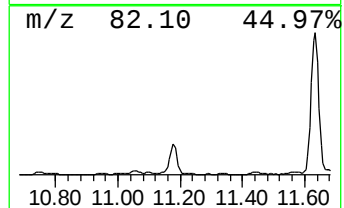
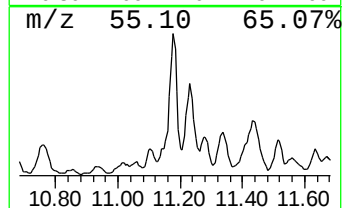
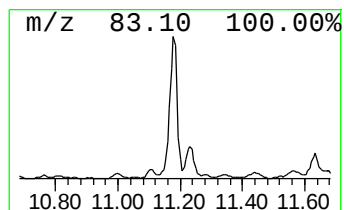
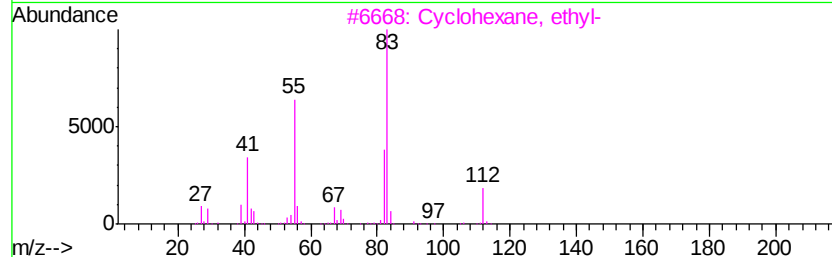
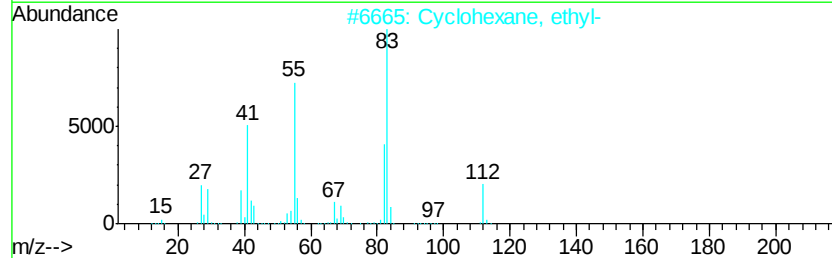
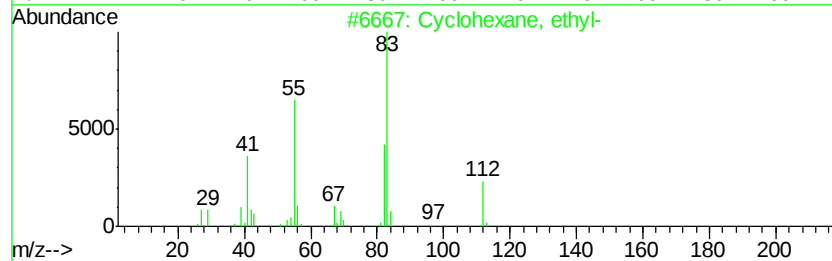
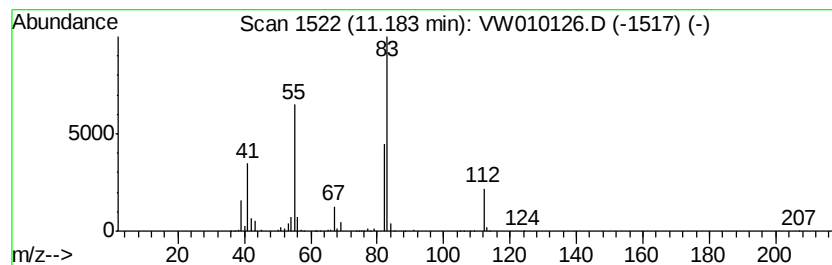
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic11.18 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	5.06 ug/L	402117	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

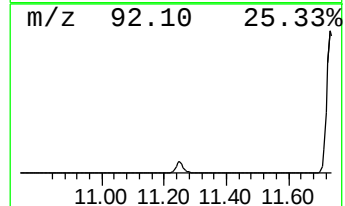
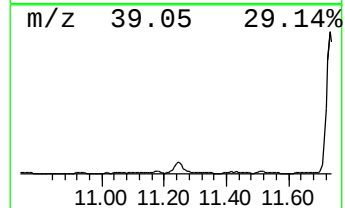
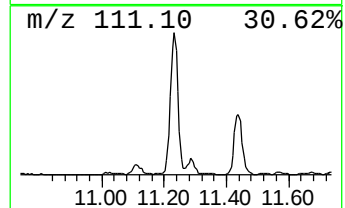
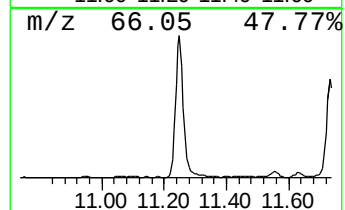
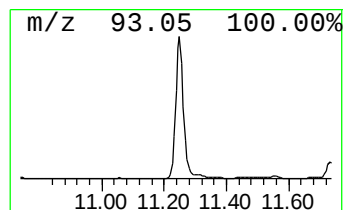
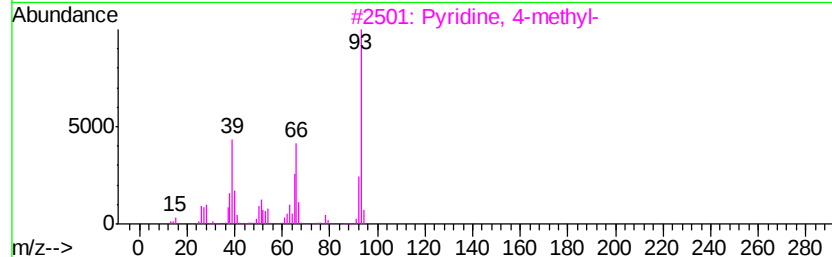
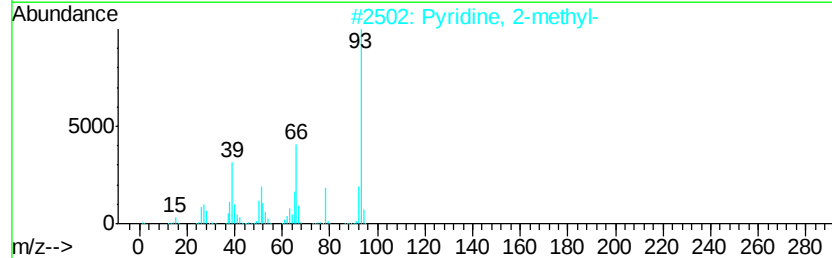
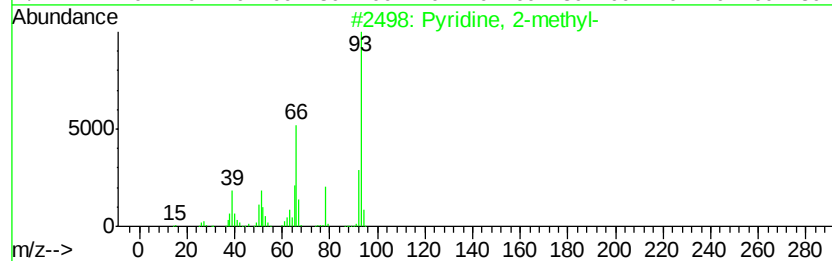
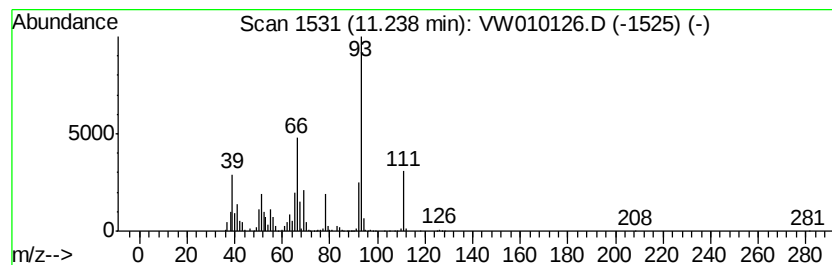
Instrument :
MSVOA_W
ClientSampleId :
GAHX5

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

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

Peak Number 11 Pyridine, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.24	33.84 ug/L	2687960	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	97
2	Pyridine, 2-methyl-	93	C6H7N	000109-06-8	95
3	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	94
4	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	93
5	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

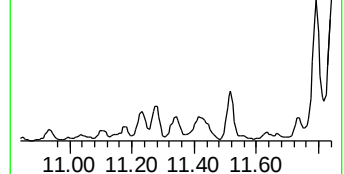
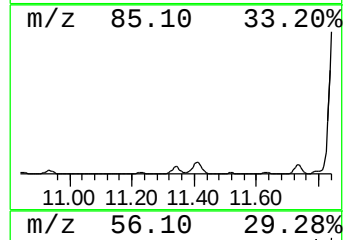
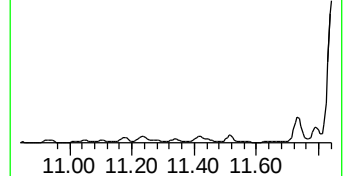
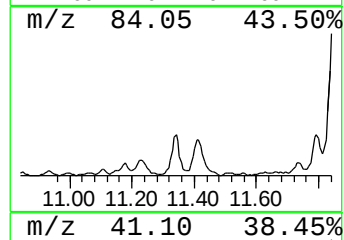
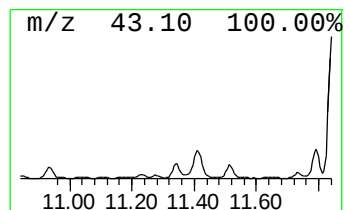
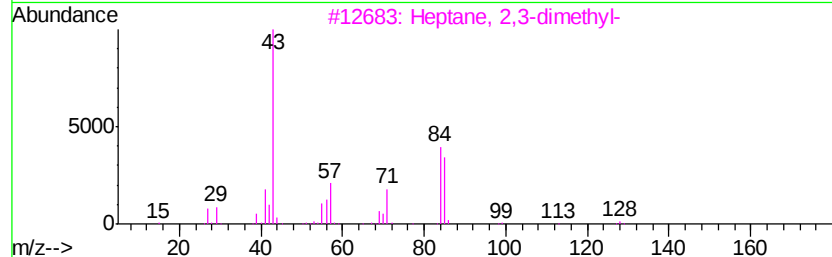
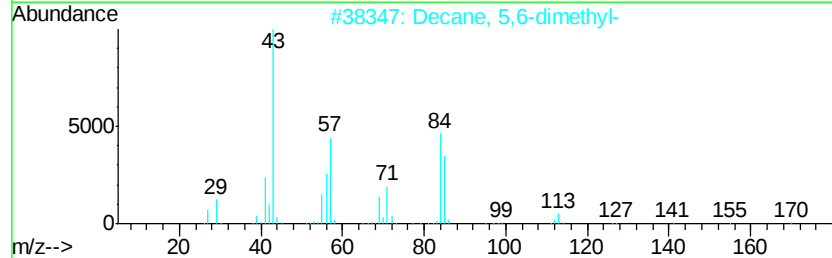
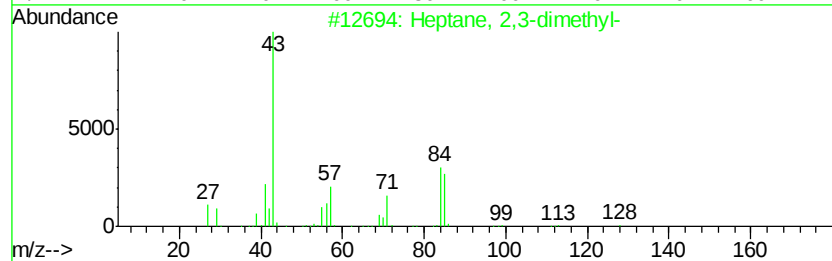
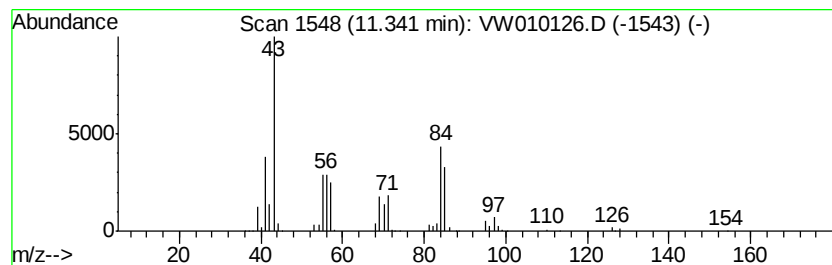
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	4.58 ug/L	363461	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
2			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	72
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
4			Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	59
5			1-Octene, 4-methyl-	126	C9H18	013151-12-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

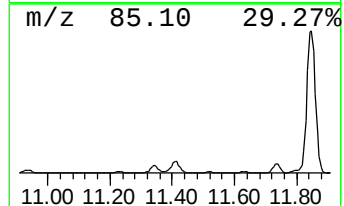
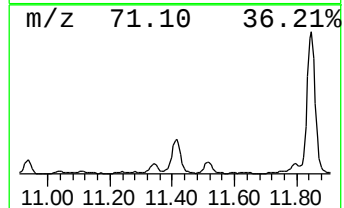
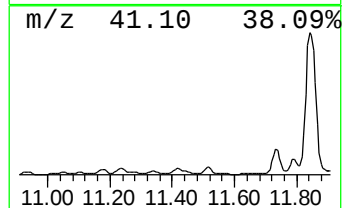
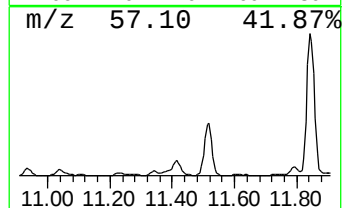
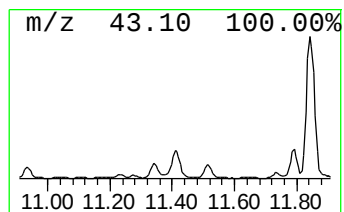
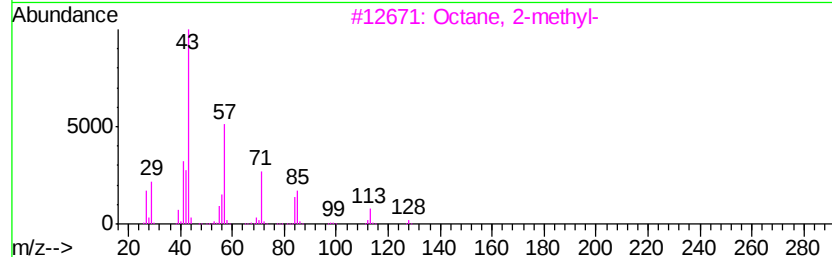
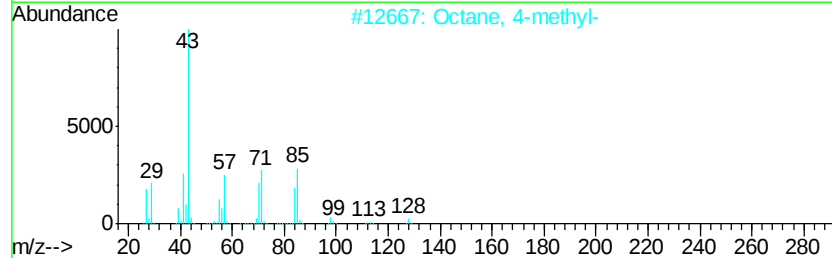
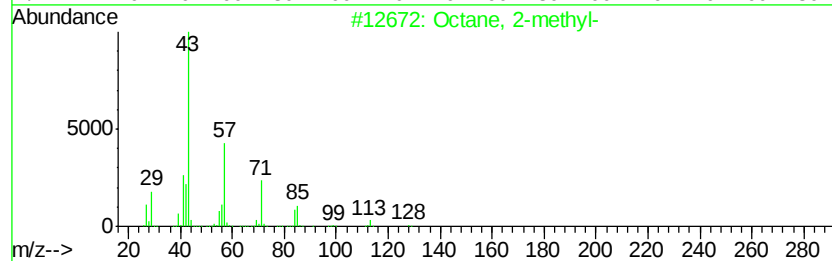
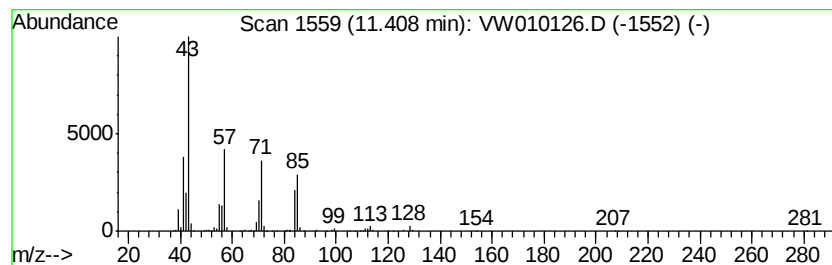
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	12.42 ug/L	986811	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	83
2		Octane, 4-methyl-	128	C9H20	002216-34-4	50
3		Octane, 2-methyl-	128	C9H20	003221-61-2	49
4		Octane, 4-methyl-	128	C9H20	002216-34-4	47
5		Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

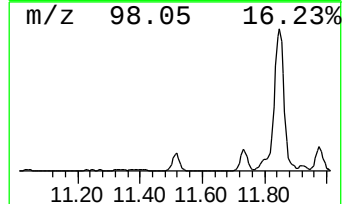
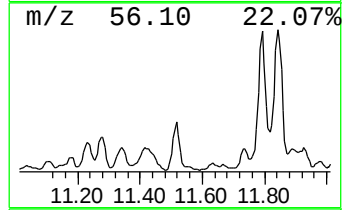
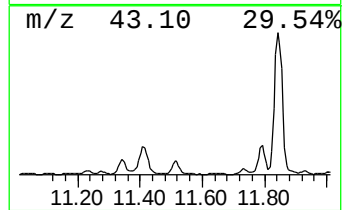
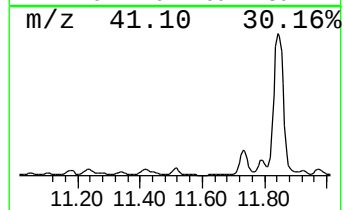
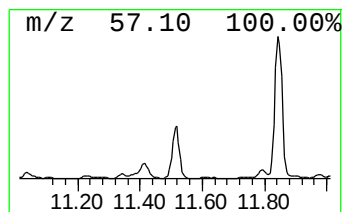
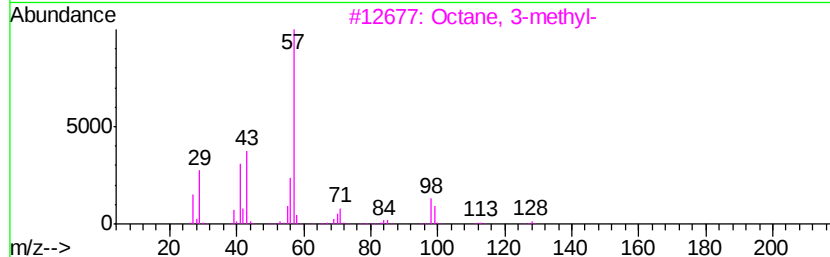
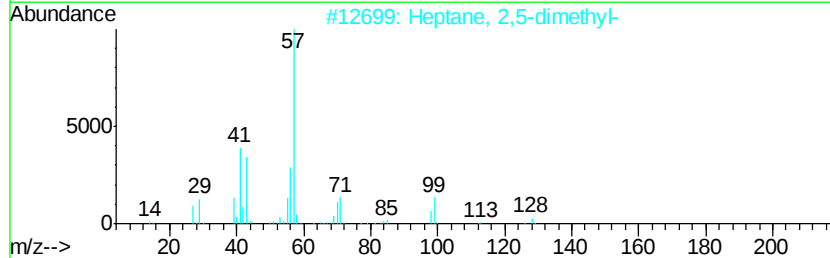
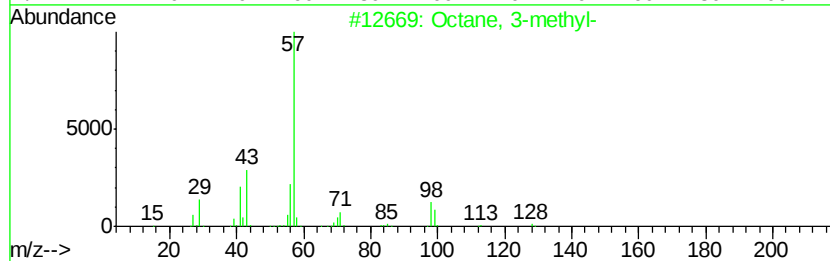
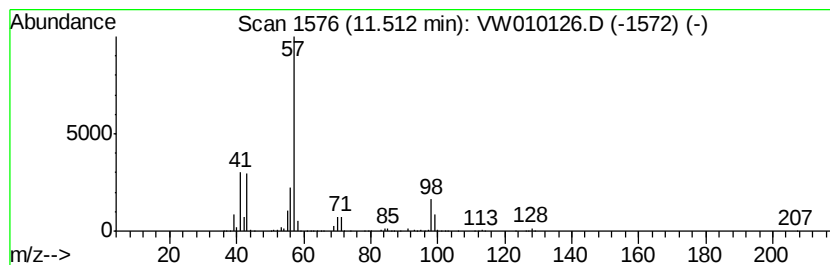
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	6.95 ug/L	552371	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	91
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3			Octane, 3-methyl-	128	C9H20	002216-33-3	74
4			Octane, 3-methyl-	128	C9H20	002216-33-3	72
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

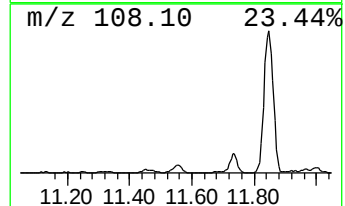
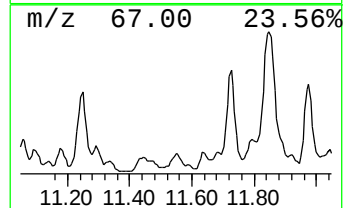
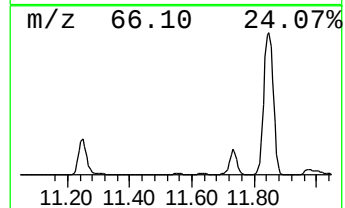
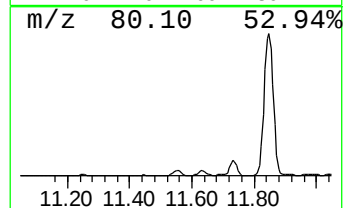
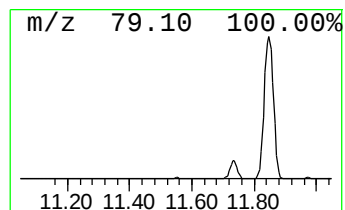
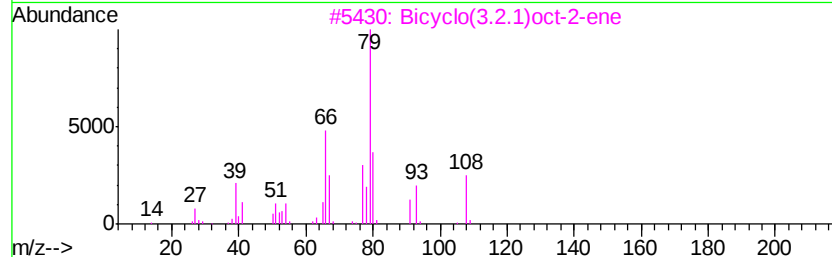
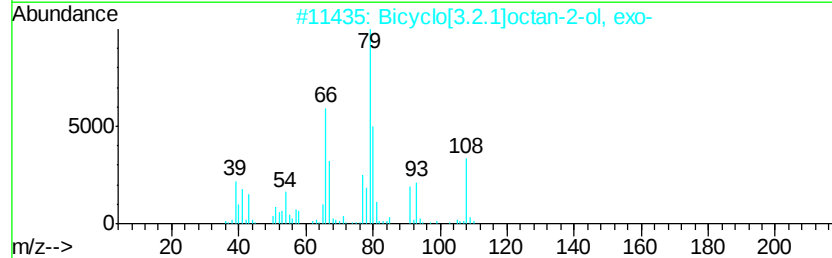
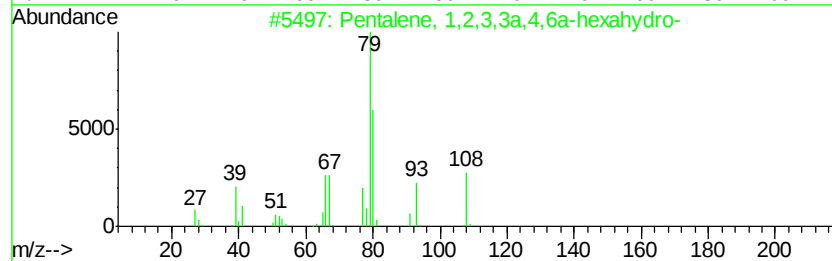
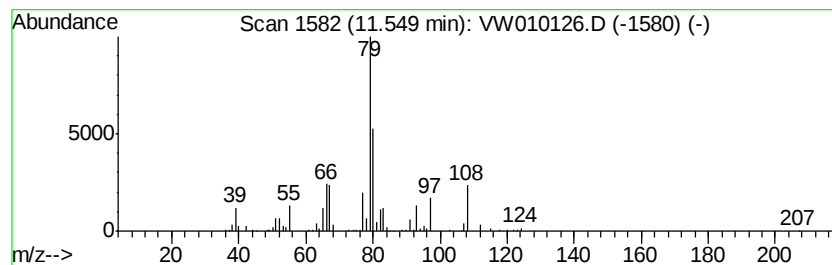
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 15 Pentalene, 1,2,3,3a,4,6a-he... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	2.49 ug/L	197419	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, 1,2,3,3a,4,6a-hexahydro-	108	C8H12	005549-09-7	76
2		Bicyclo[3.2.1]octan-2-ol, exo-	126	C8H14O	001965-38-4	64
3		Bicyclo[3.2.1]oct-2-ene	108	C8H12	000823-02-9	64
4		cis-Bicyclo[3.3.0]oct-2-ene	108	C8H12	000930-99-4	64
5		3-Cyclohexene-1-ethanol	126	C8H14O	018240-10-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

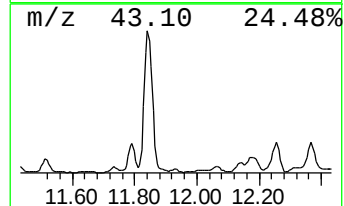
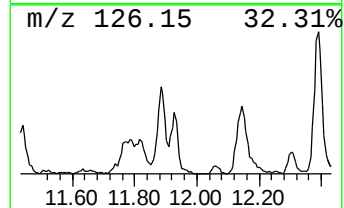
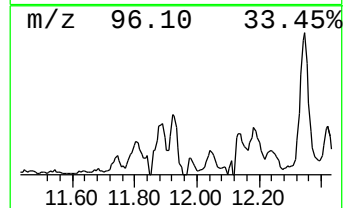
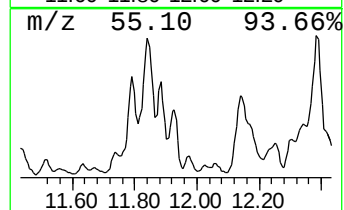
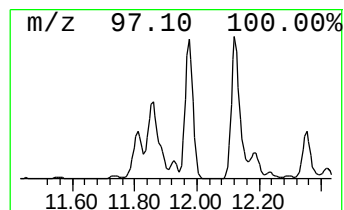
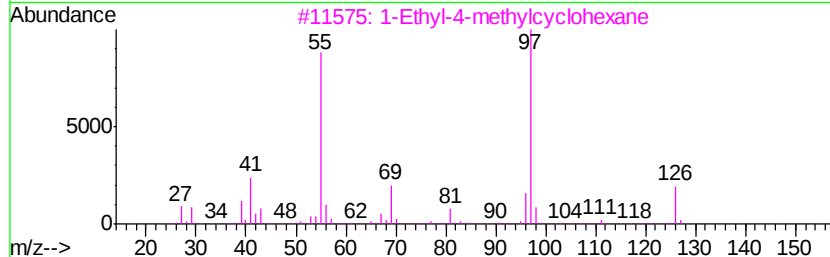
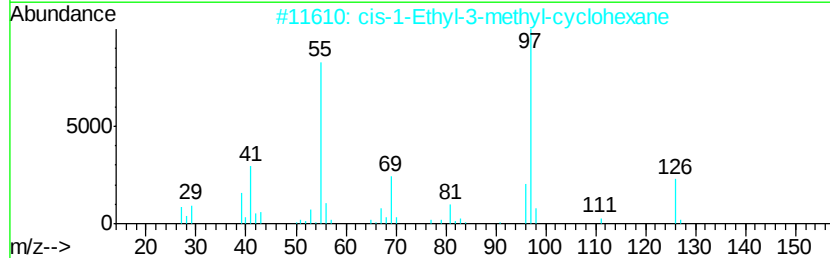
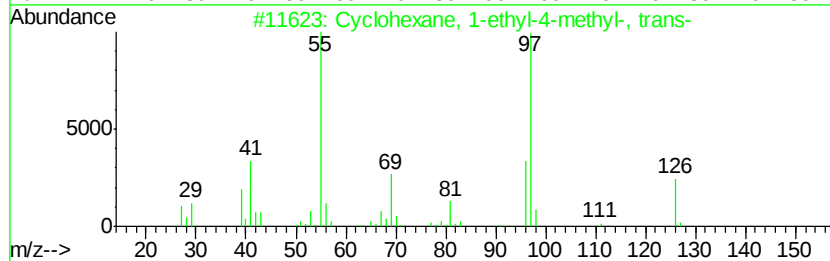
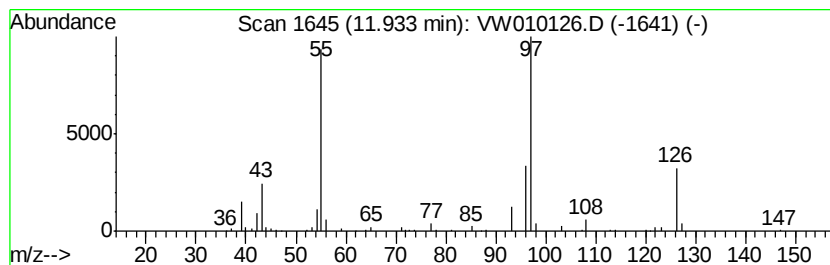
Instrument :
MSVOA_W
ClientSampleId :
GAHX5

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

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

Peak Number 16 (DEL) Alkane: Cyclic11.93 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.93	2.62 ug/L	207870	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	86
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	78
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	78
5		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

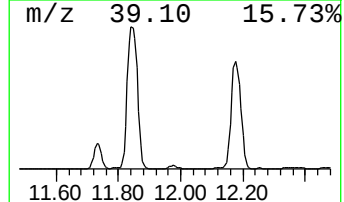
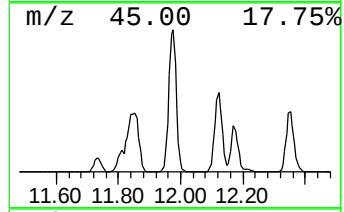
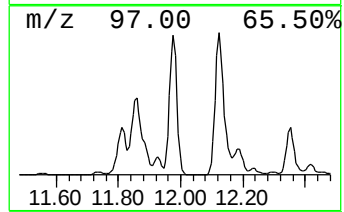
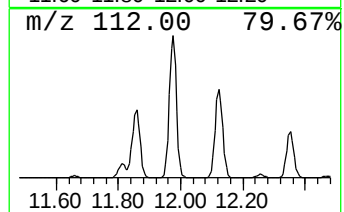
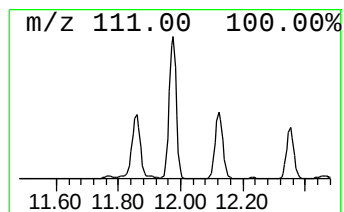
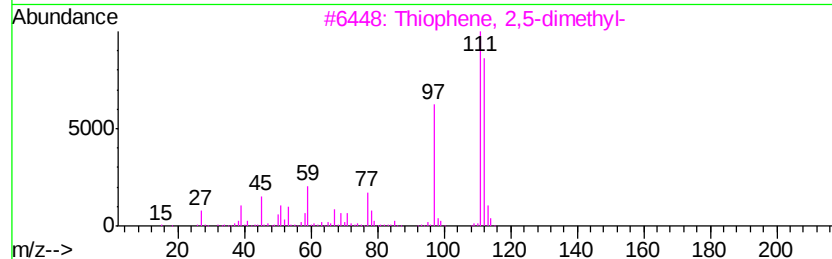
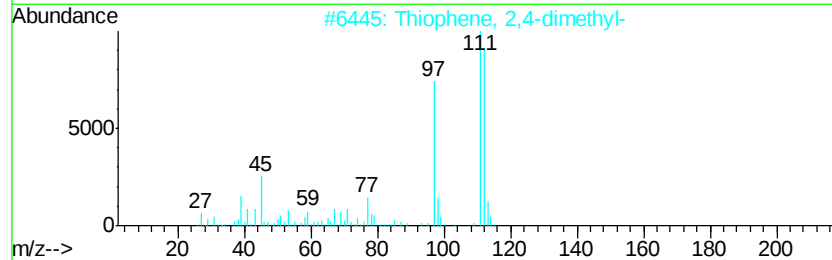
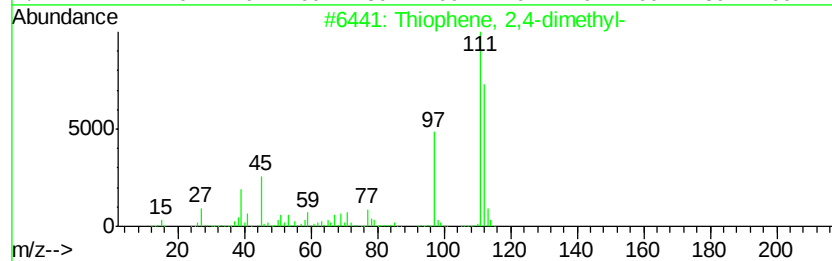
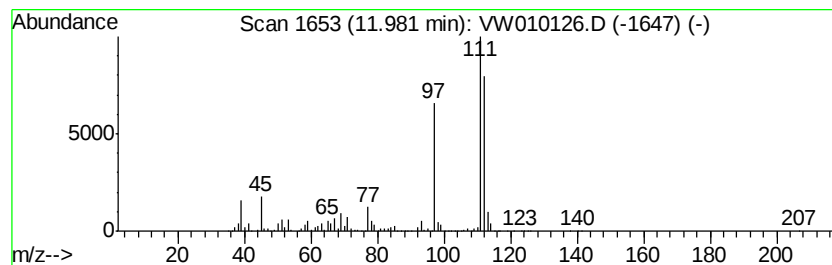
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 17 Thiophene, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	61.12 ug/L	4855510	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	90
2		Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	90
3		Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	90
4		Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	90
5		Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

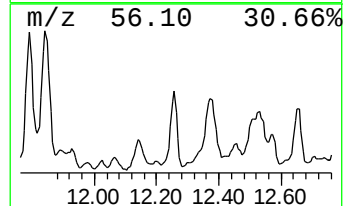
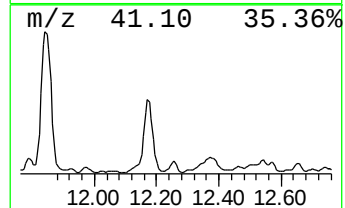
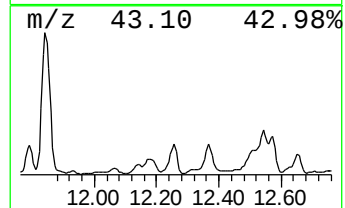
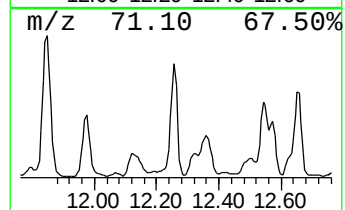
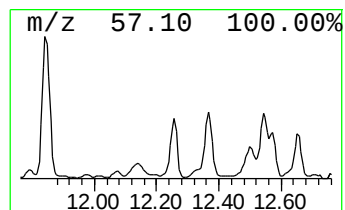
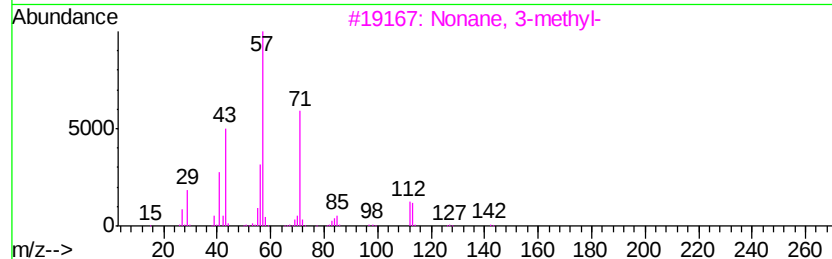
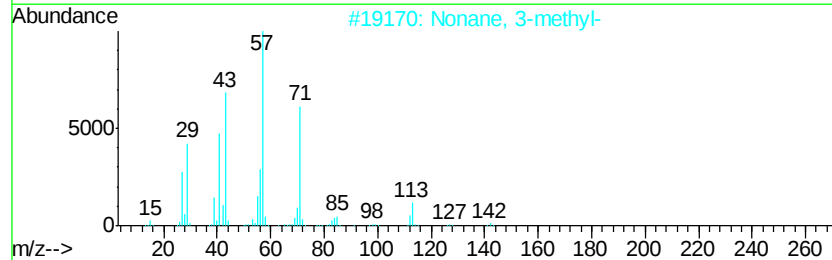
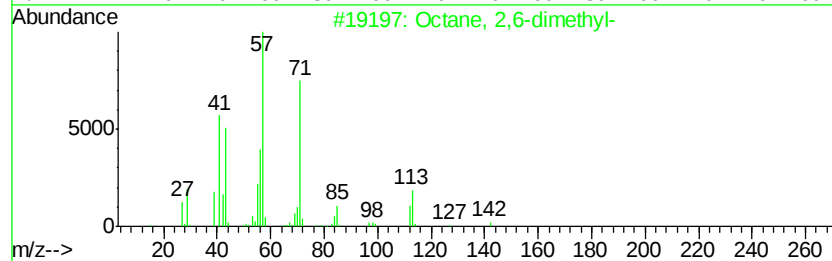
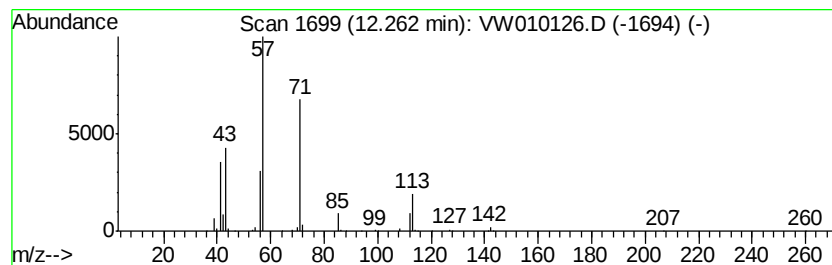
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	12.94 ug/L	1027880	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	86
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

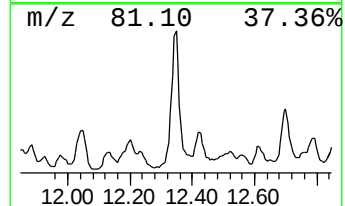
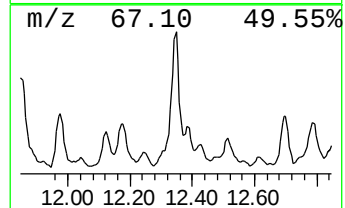
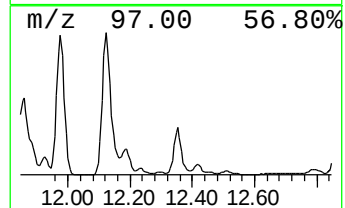
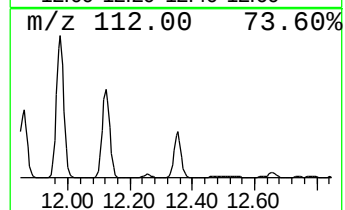
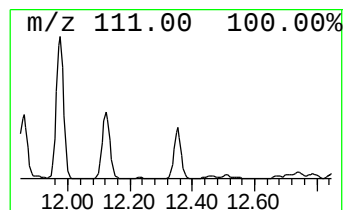
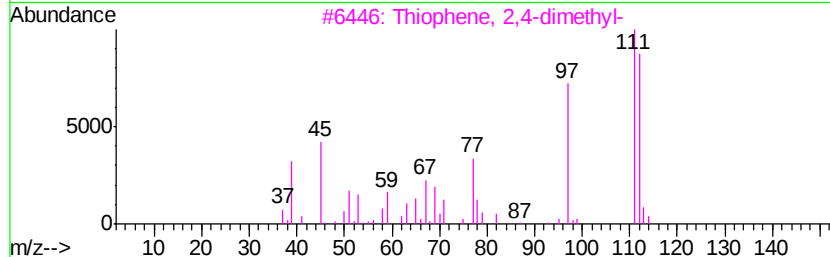
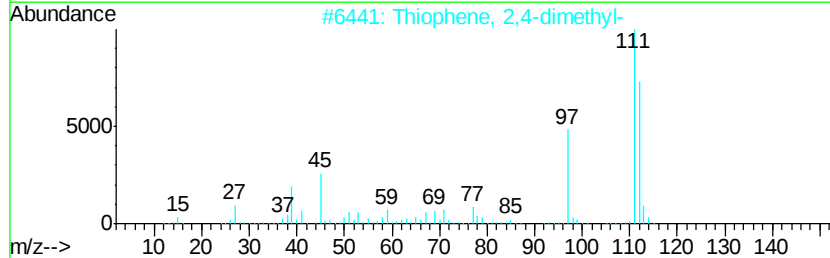
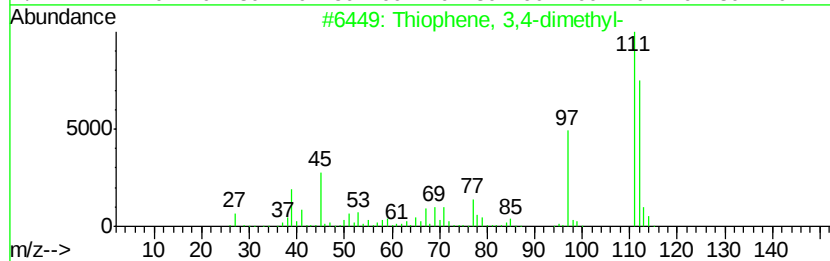
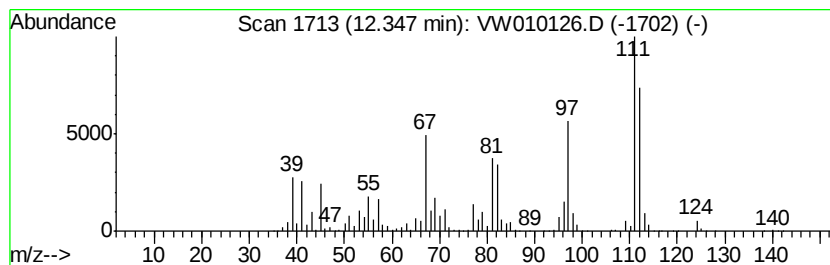
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 19 Thiophene, 3,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	71.44 ug/L	5674630	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	76
2		Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	68
3		Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	64
4		Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	64
5		Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

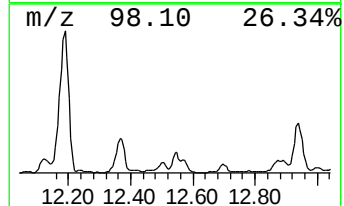
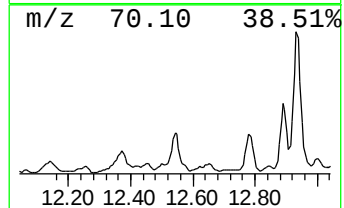
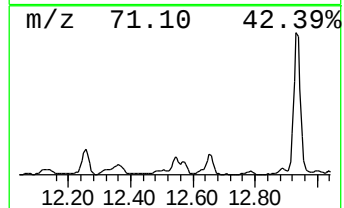
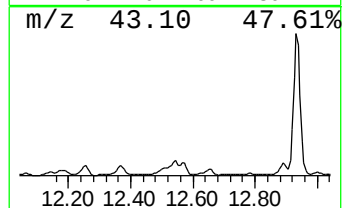
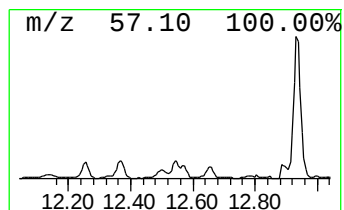
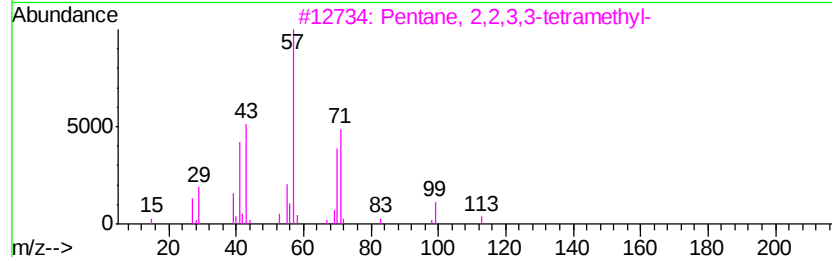
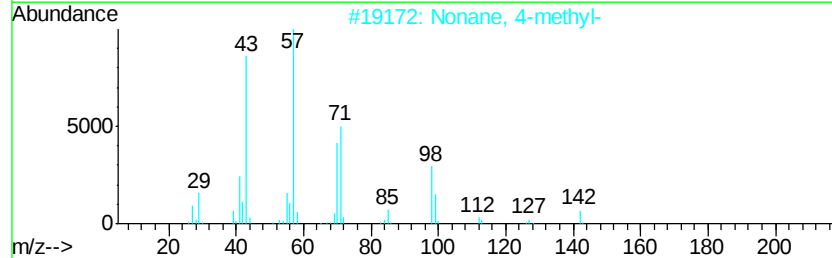
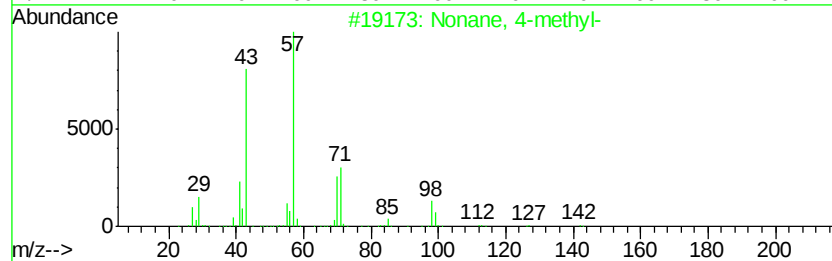
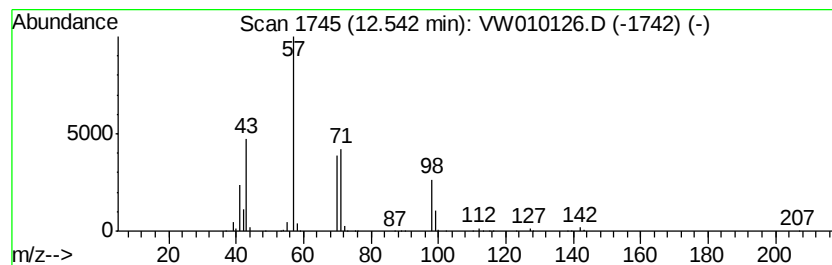
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	4.59 ug/L	364760	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
4		Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

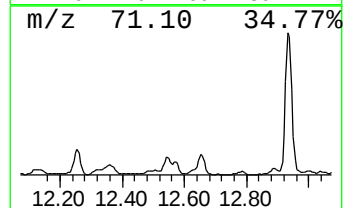
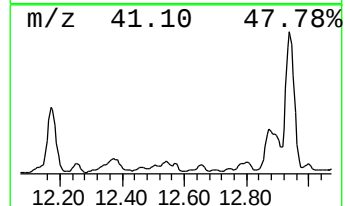
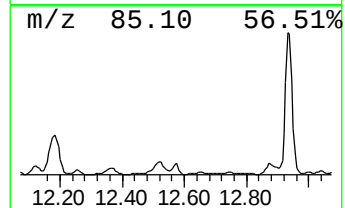
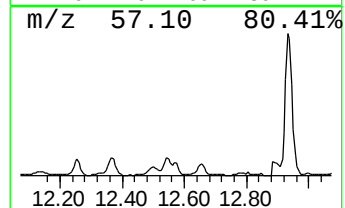
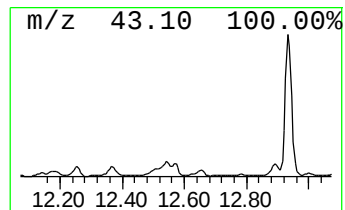
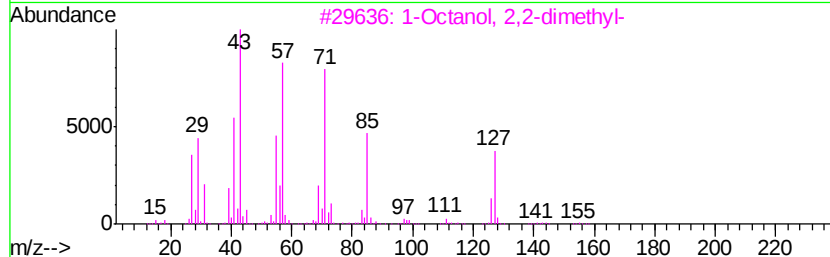
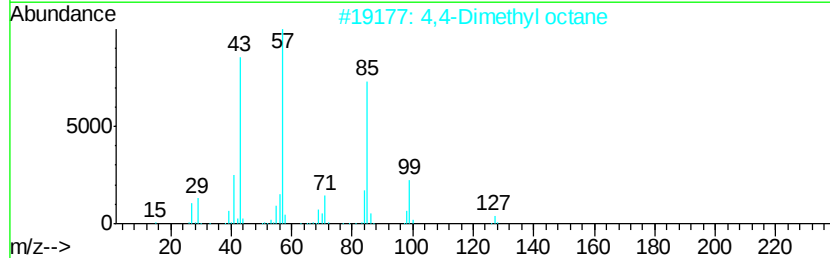
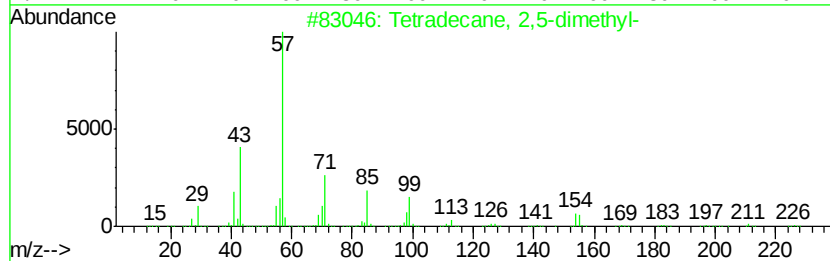
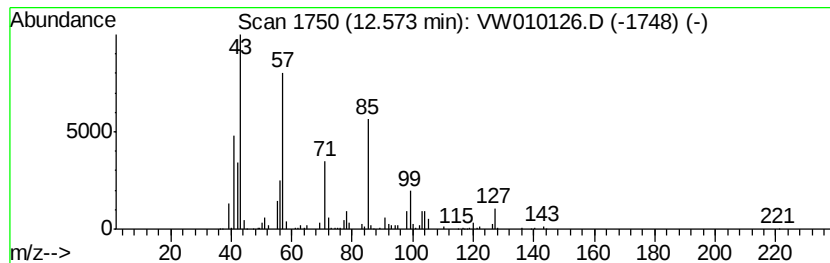
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	7.38 ug/L	586231	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 2,5-dimethyl-	226	C16H34	056292-69-4	43
2			4,4-Dimethyl octane	142	C10H22	015869-95-1	40
3			1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	38
4			3,5-Dimethyldodecane	198	C14H30	107770-99-0	37
5			Tetradecane	198	C14H30	000629-59-4	37



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

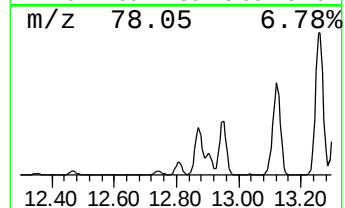
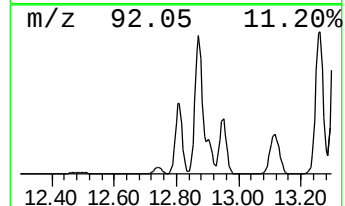
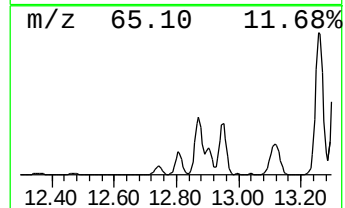
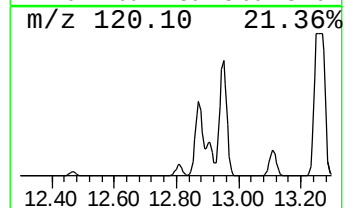
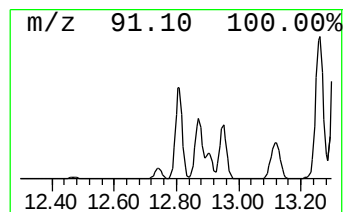
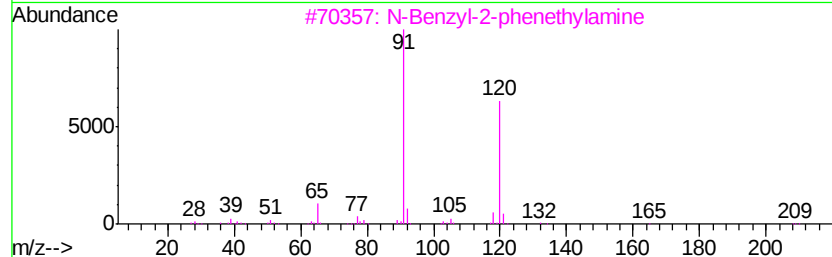
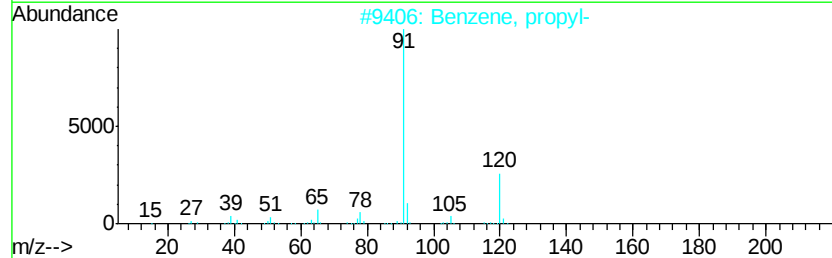
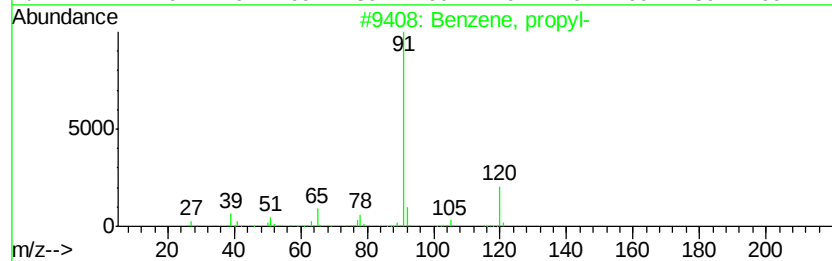
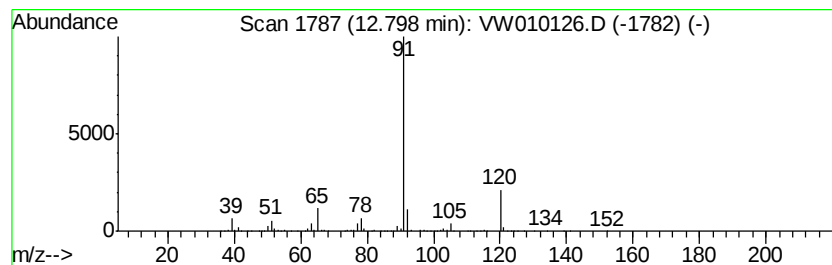
Instrument :
MSVOA_W
ClientSampleId :
GAHX5

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

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

Peak Number 22 Benzene, propyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	3.53 ug/L	8782280	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 90
2		Benzene, propyl-	120 C9H12	000103-65-1 87
3		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 78
4		Ethanol, 2-[(phenylmethyl)amino]-	151 C9H13NO	000104-63-2 72
5		1,2-Ethanediamine, N,N'-bis(phen...	240 C16H20N2	000140-28-3 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

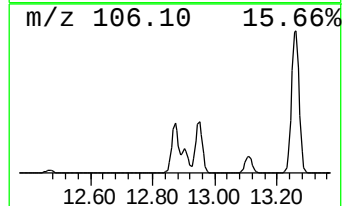
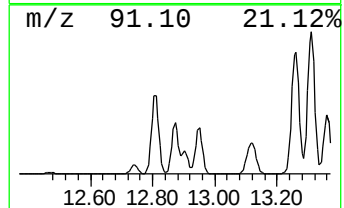
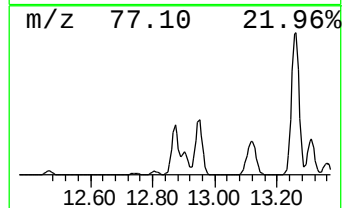
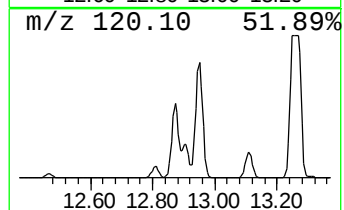
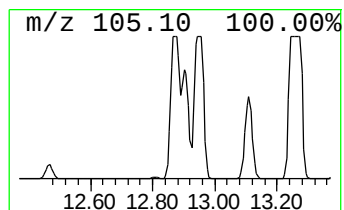
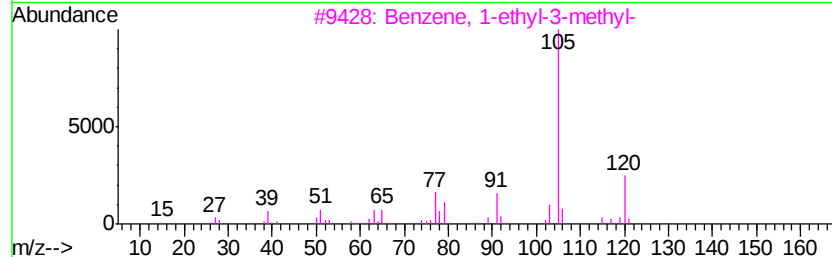
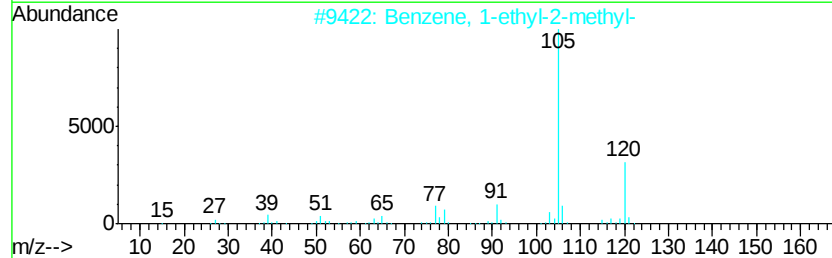
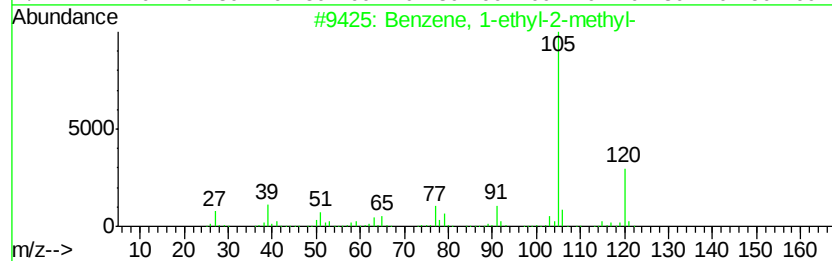
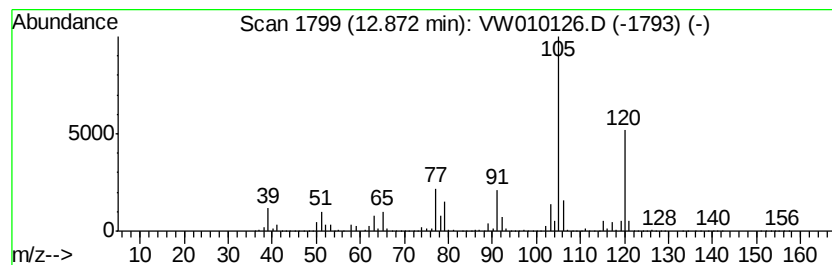
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	23.21 ug/L	57749100	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

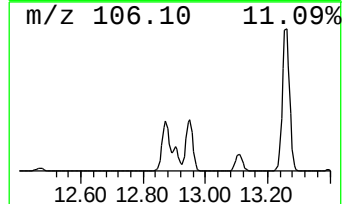
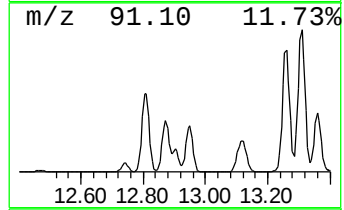
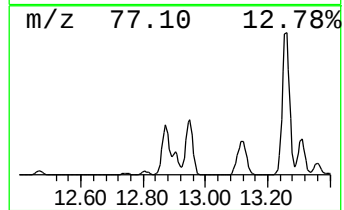
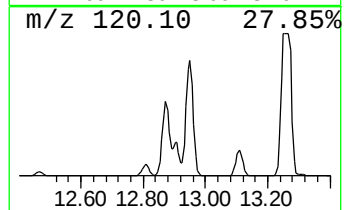
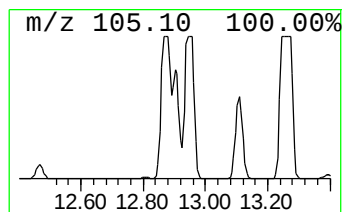
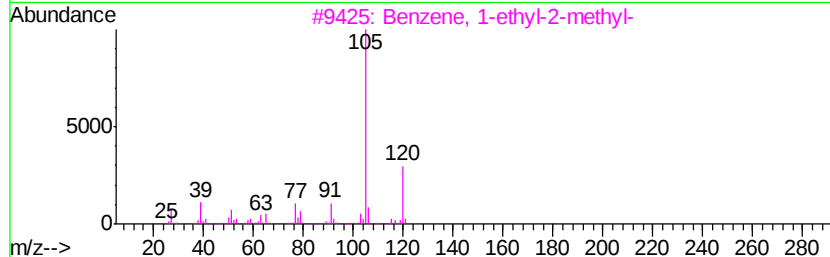
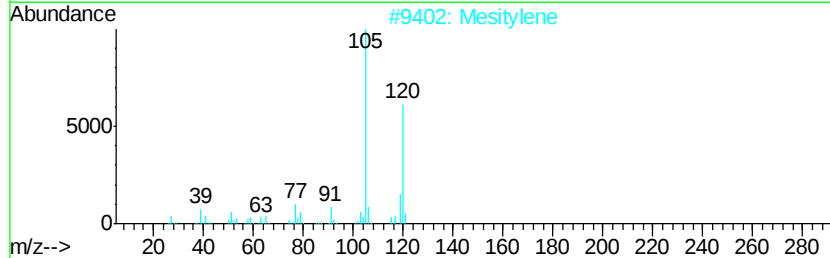
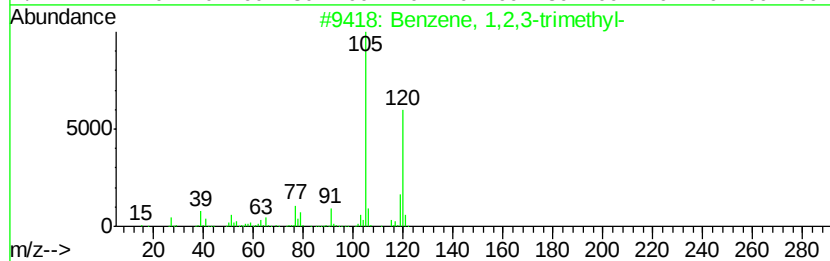
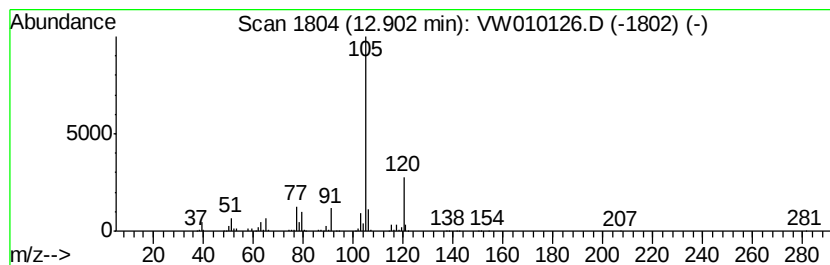
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1,2,3-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	9.42 ug/L	23433400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2			Mesitylene	120	C9H12	000108-67-8	91
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

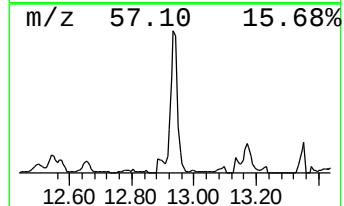
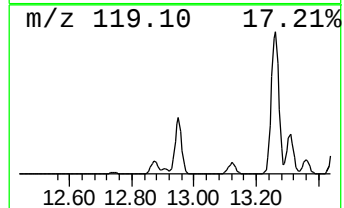
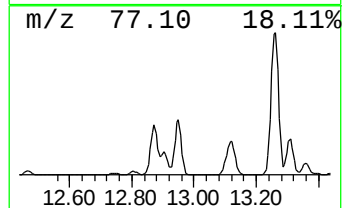
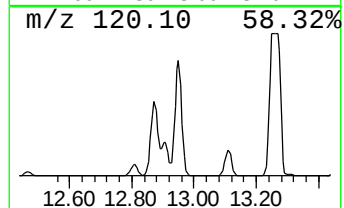
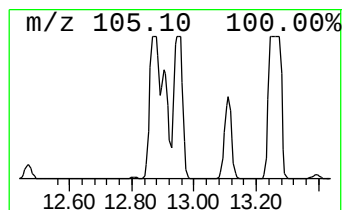
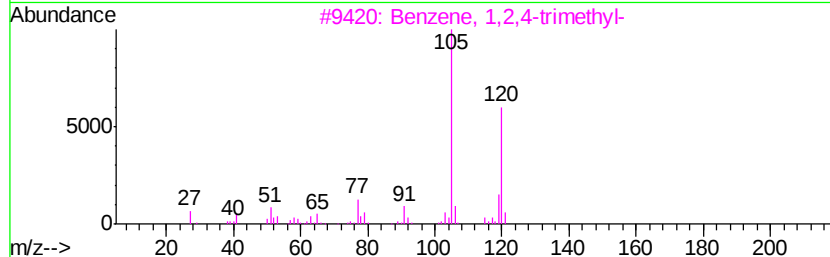
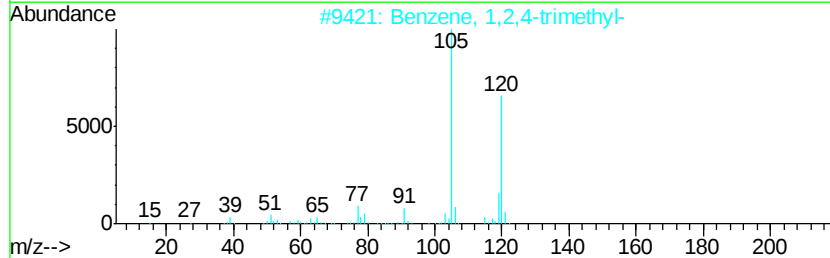
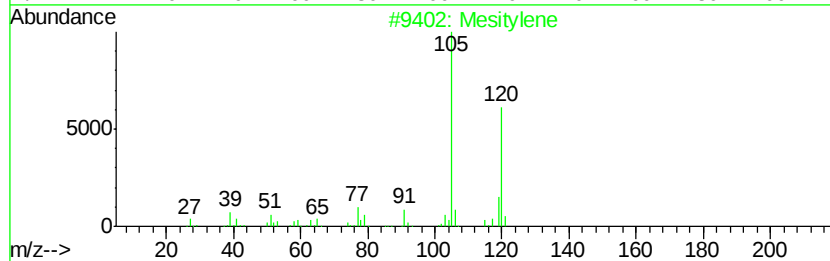
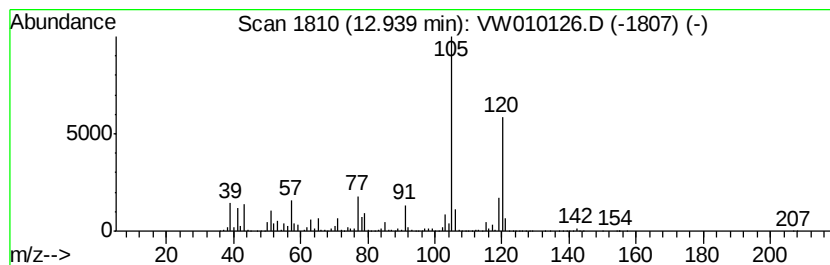
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 25 Mesitylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	28.76 ug/L	71559200	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mesitylene	120	C9H12	000108-67-8	91
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

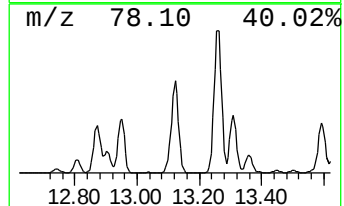
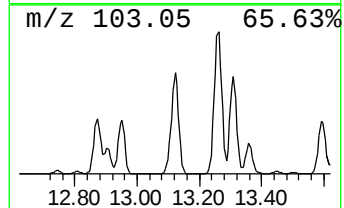
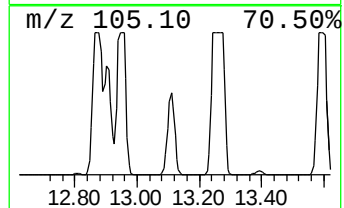
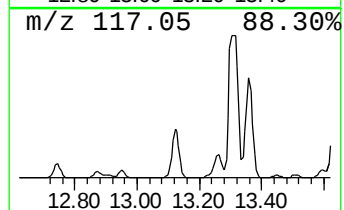
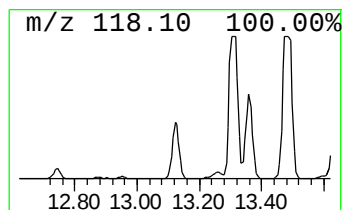
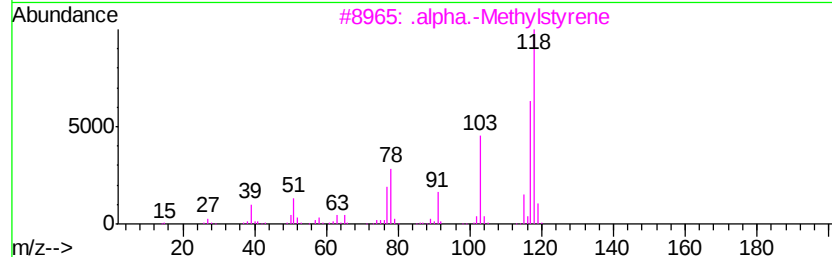
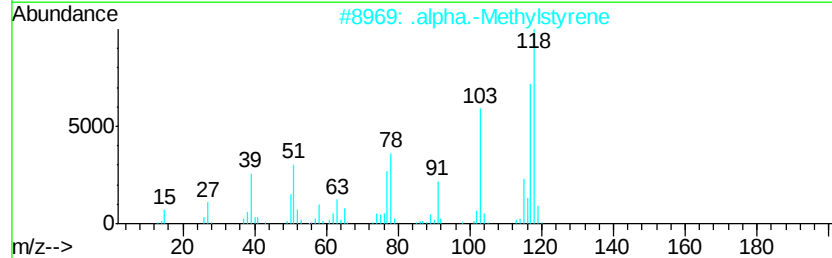
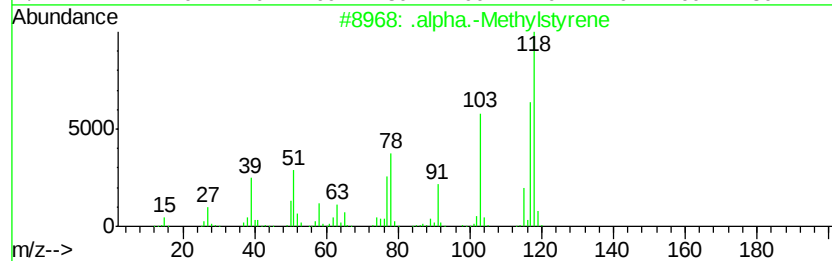
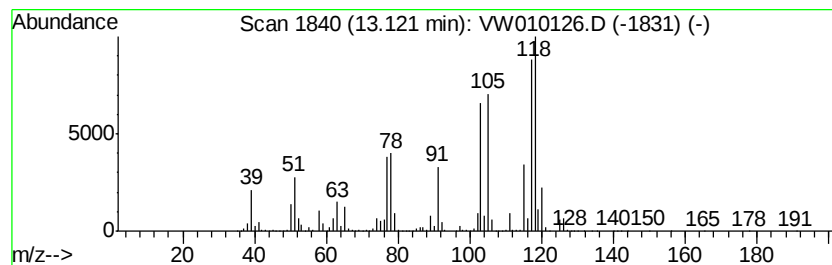
Instrument :
MSVOA_W
ClientSampleId :
GAHX5

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

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

Peak Number 26 .alpha.-Methylstyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	21.29 ug/L	52957000	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.alpha.-Methylstyrene	118 C9H10	000098-83-9 95
2		.alpha.-Methylstyrene	118 C9H10	000098-83-9 91
3		.alpha.-Methylstyrene	118 C9H10	000098-83-9 72
4		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 55
5		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

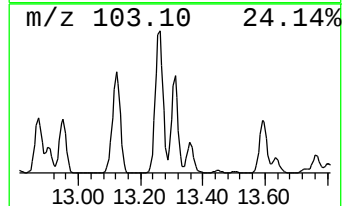
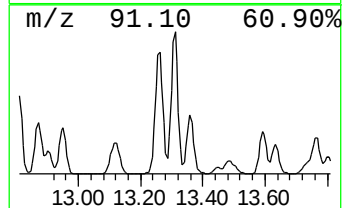
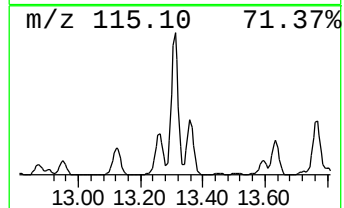
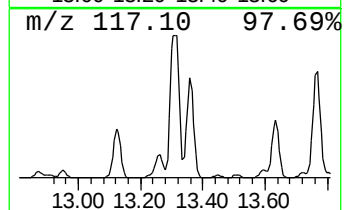
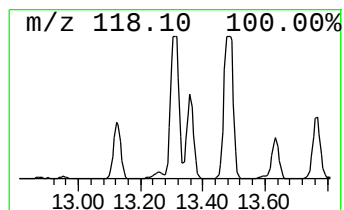
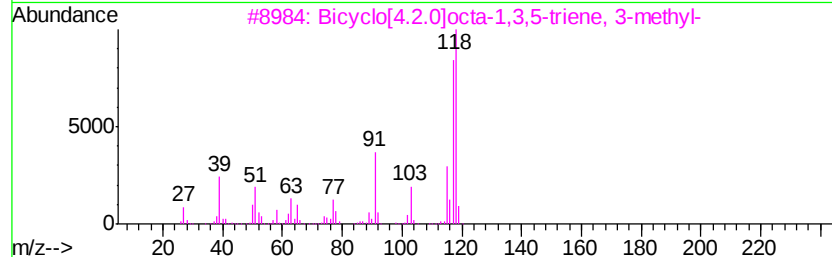
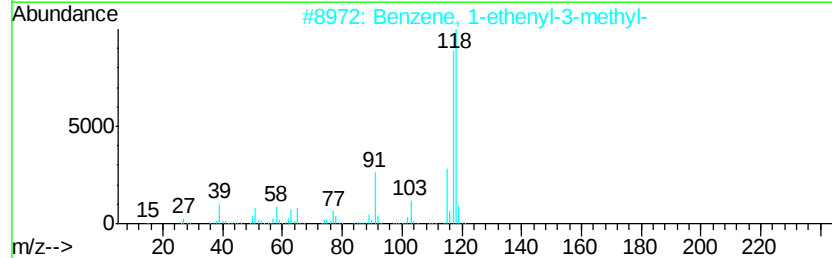
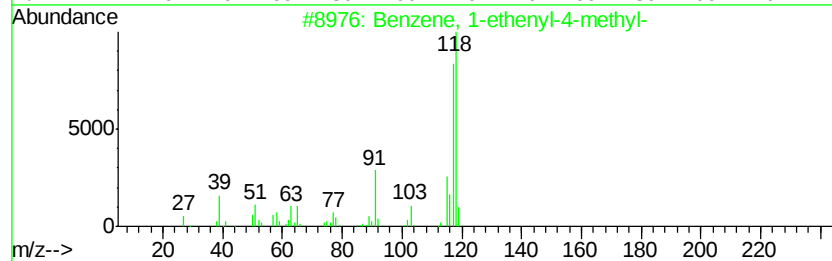
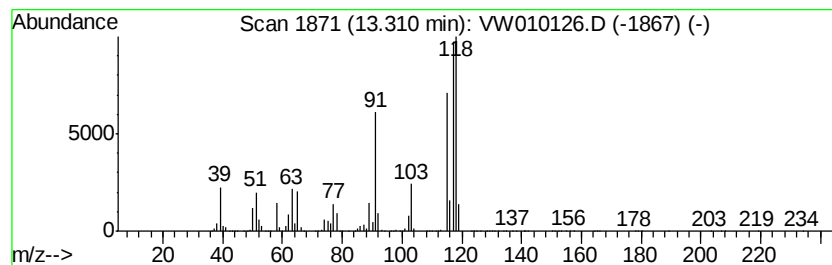
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1-ethenyl-4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	36.58 ug/L	91014500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
2		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	94
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

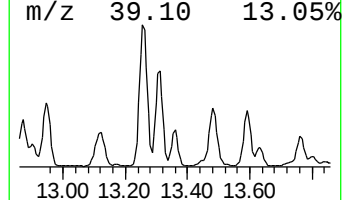
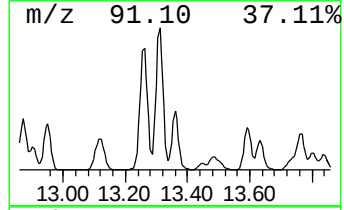
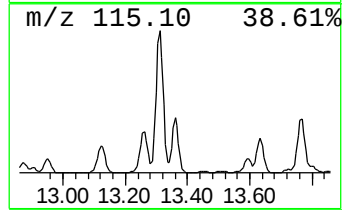
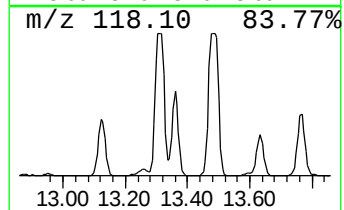
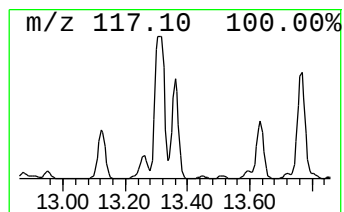
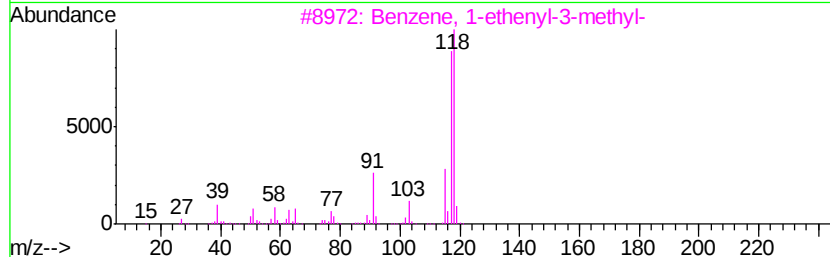
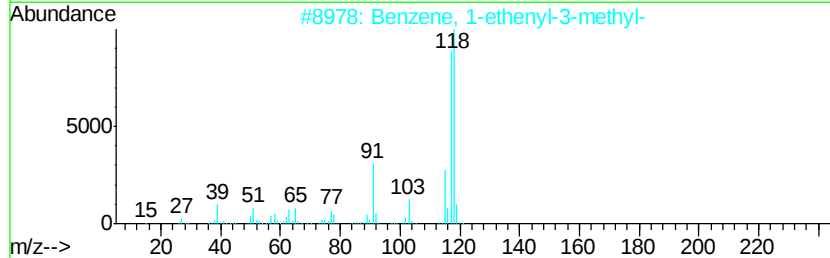
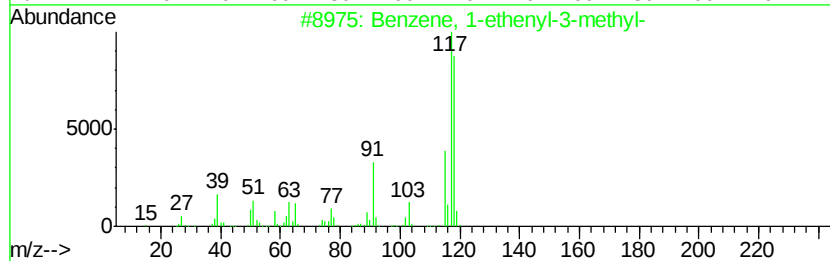
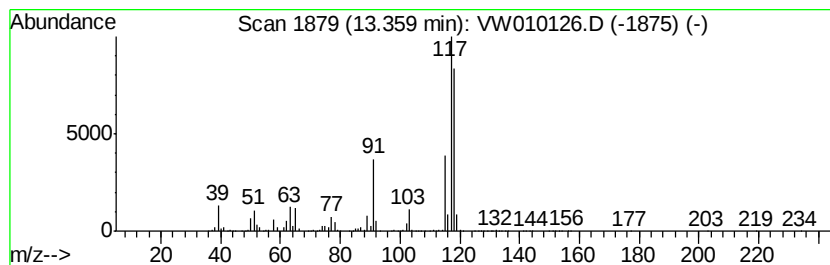
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-ethenyl-3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	15.27 ug/L	37981400	1,4-Dichlorobenzene-d4	13.57

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	96
3		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
5		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

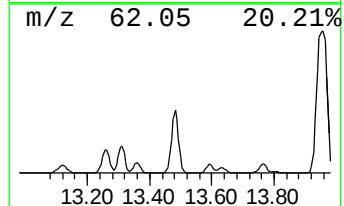
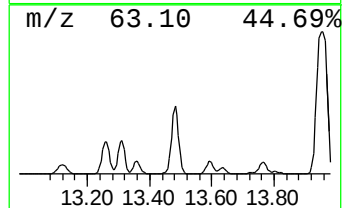
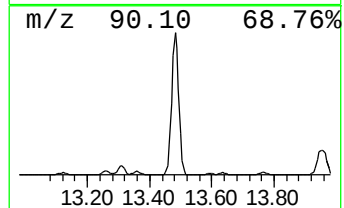
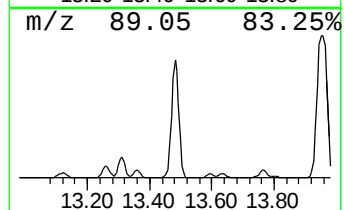
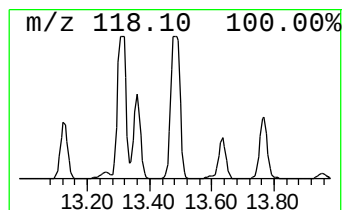
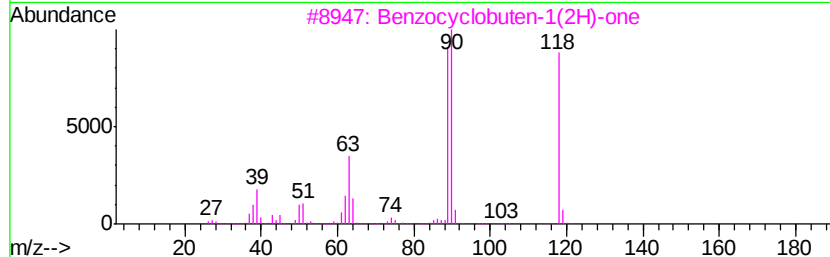
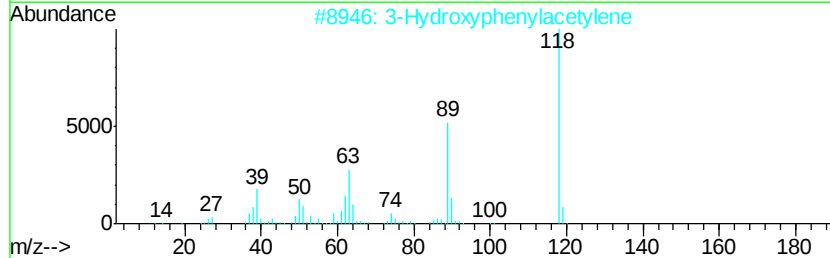
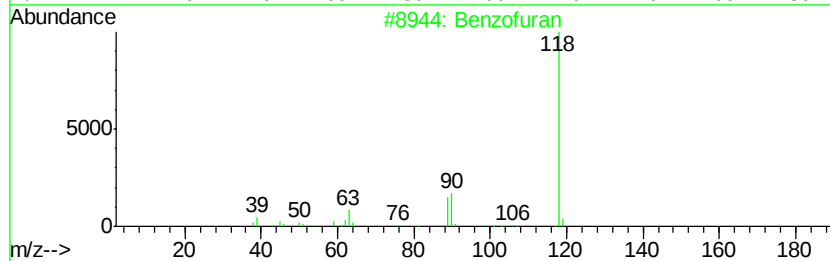
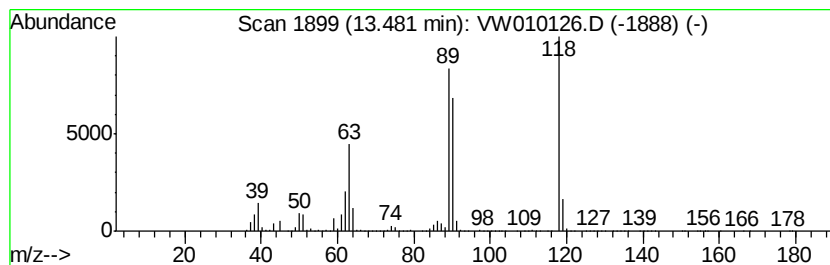
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 30 3-Hydroxyphenylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	33.16 ug/L	82488900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran	118	C8H6O	000271-89-6	91
2			3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	58
3			Benzocyclobuten-1(2H)-one	118	C8H6O	003469-06-5	52
4			Benzofuran	118	C8H6O	000271-89-6	50
5			Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHX5

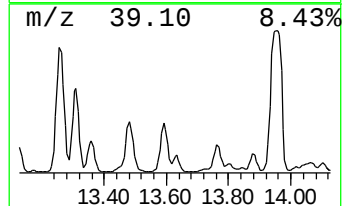
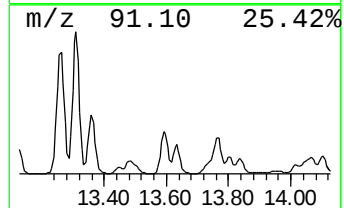
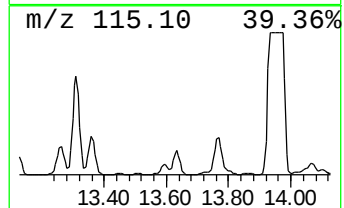
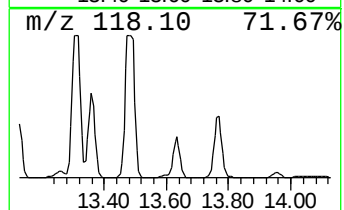
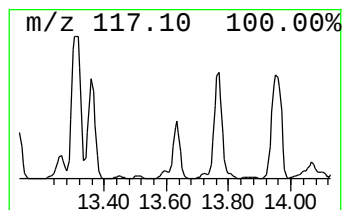
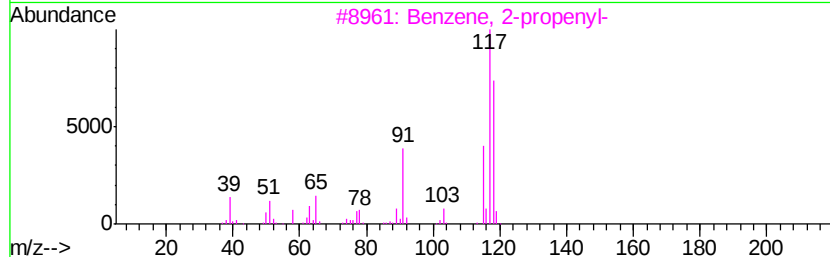
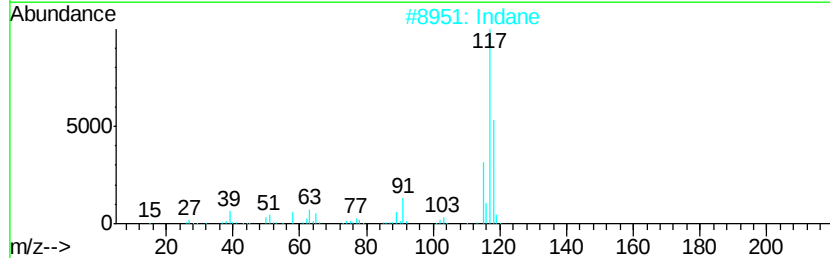
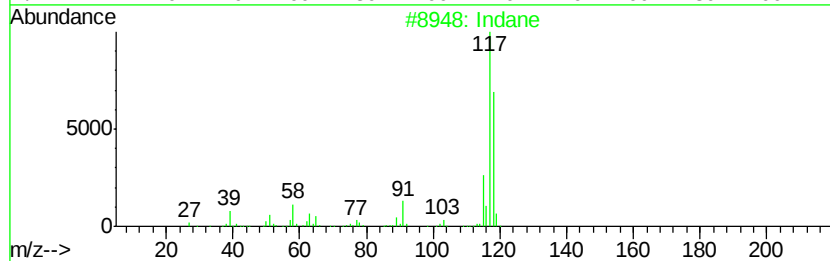
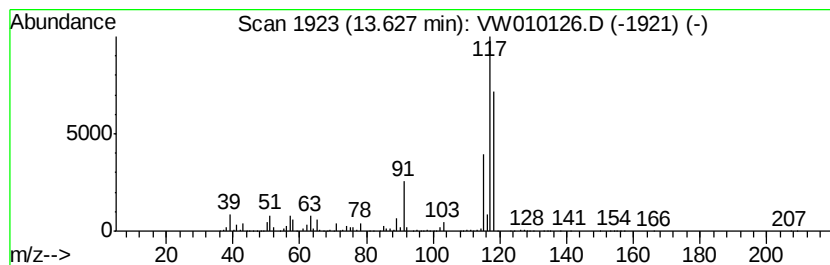
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 31 Indane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	8.42 ug/L	20941400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	76
2		Indane	118	C9H10	000496-11-7	70
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4		Indane	118	C9H10	000496-11-7	70
5		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

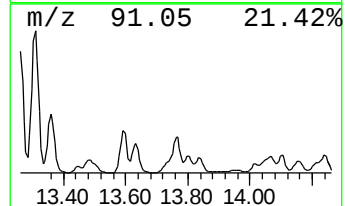
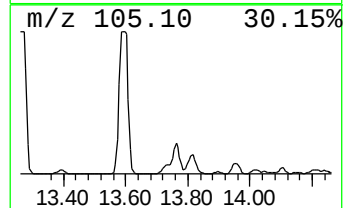
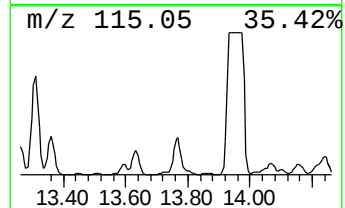
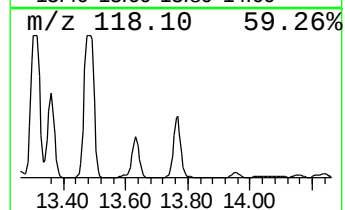
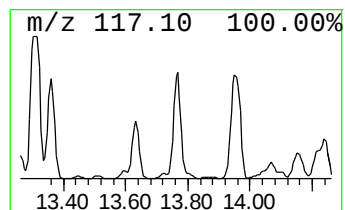
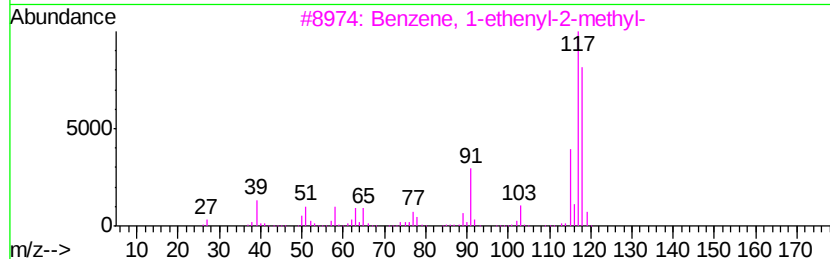
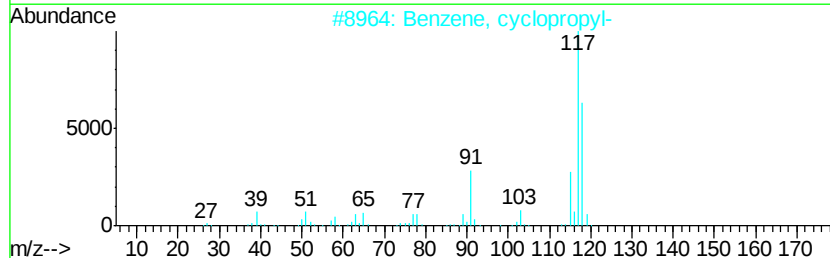
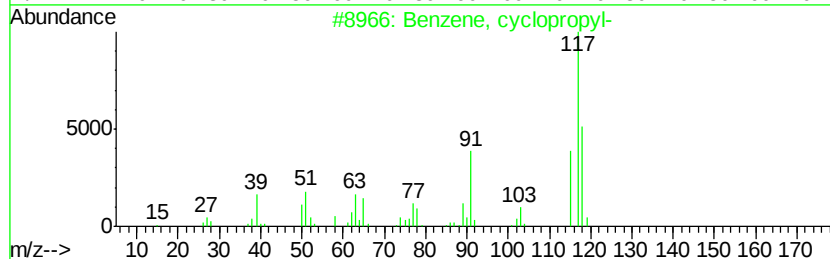
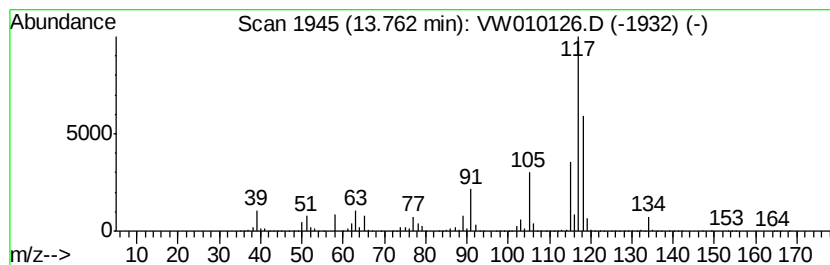
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 32 Benzene, cyclopropyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	18.76 ug/L	46684300	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	92
2		Benzene, cvclopropyl-	118	C9H10	000873-49-4	92
3		Benzene, 1-ethenvl-2-methvl-	118	C9H10	000611-15-4	89
4		Benzene, 1-ethenvl-3-methvl-	118	C9H10	000100-80-1	86
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

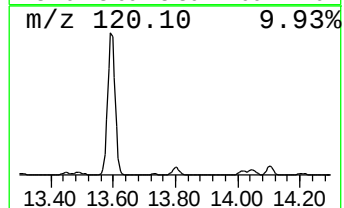
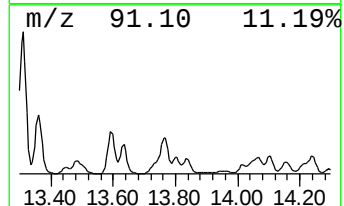
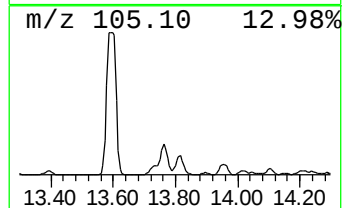
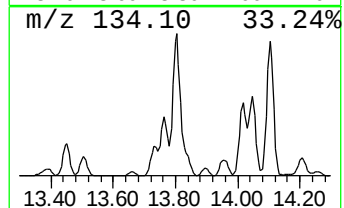
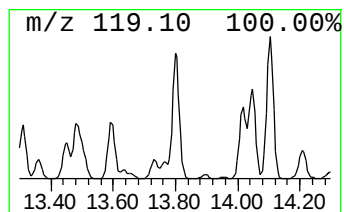
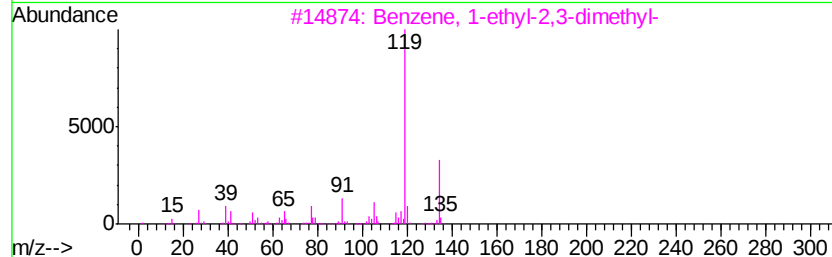
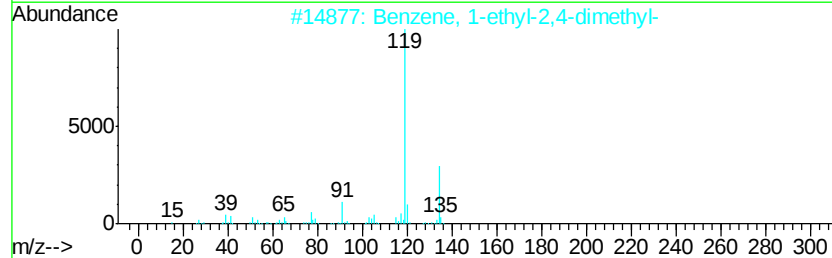
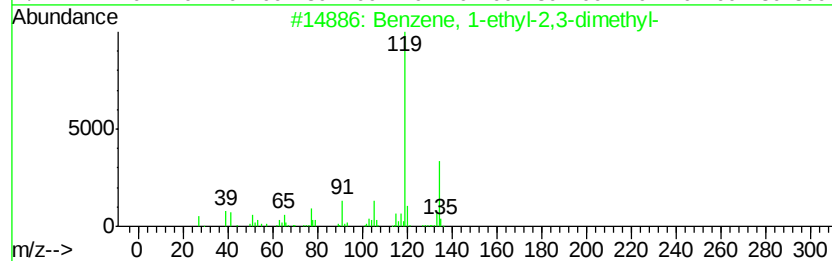
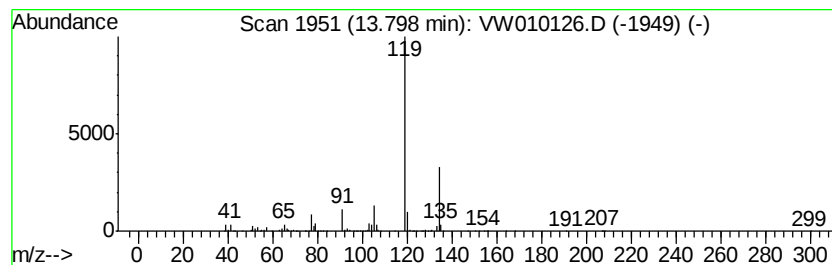
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	4.67 ug/L	11611400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

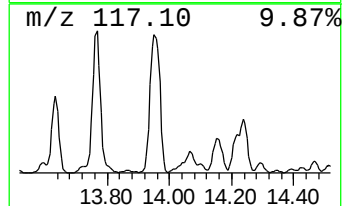
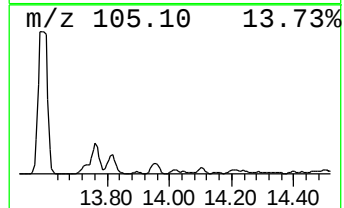
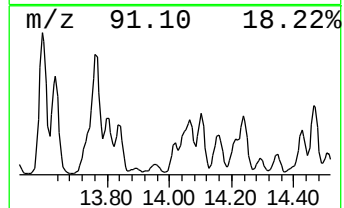
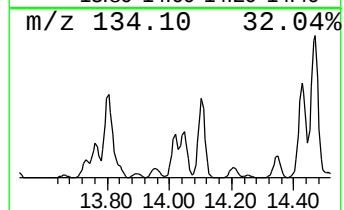
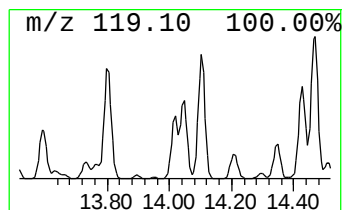
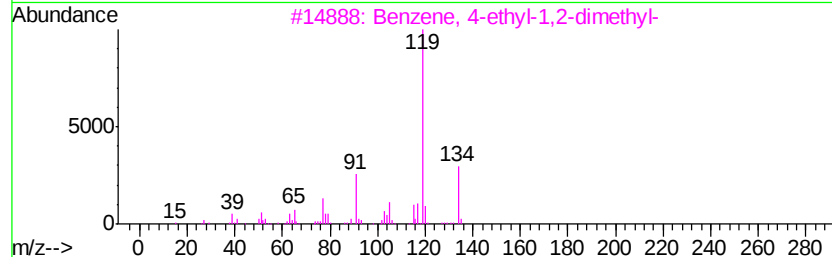
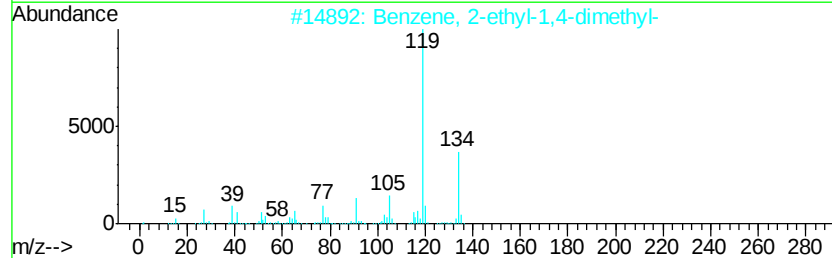
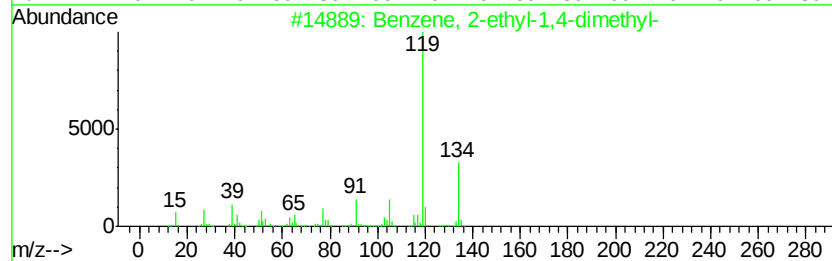
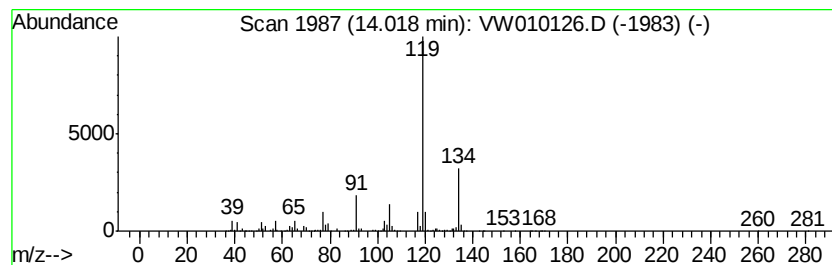
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.56 ug/L	6362930	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

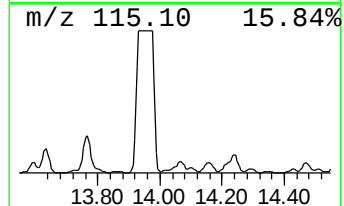
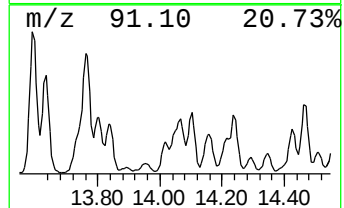
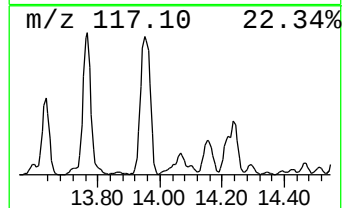
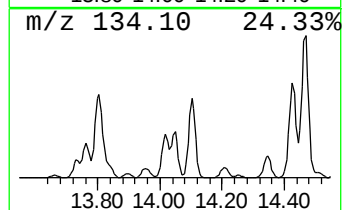
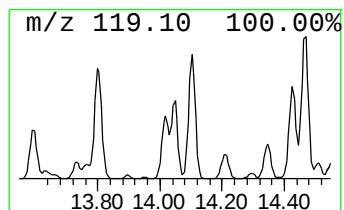
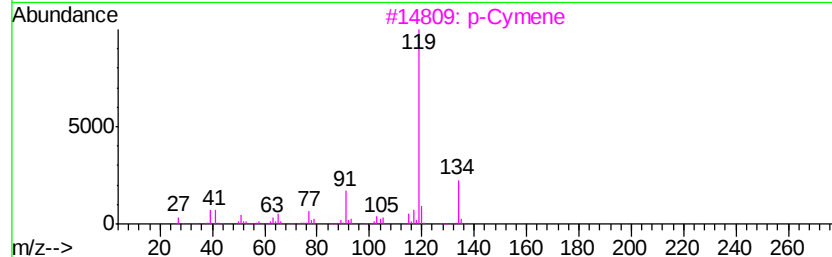
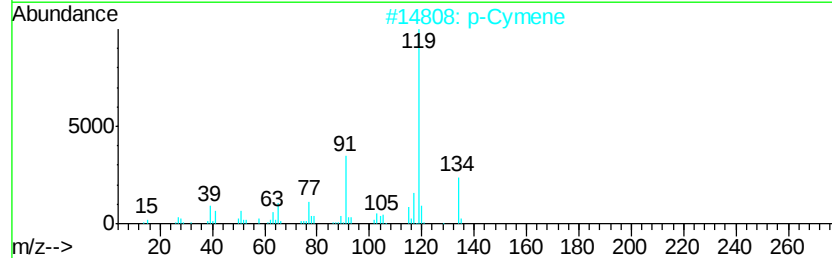
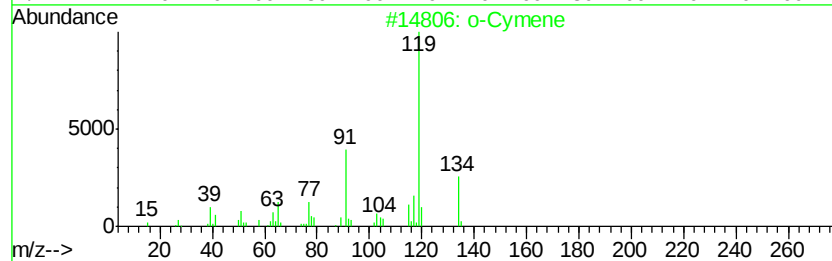
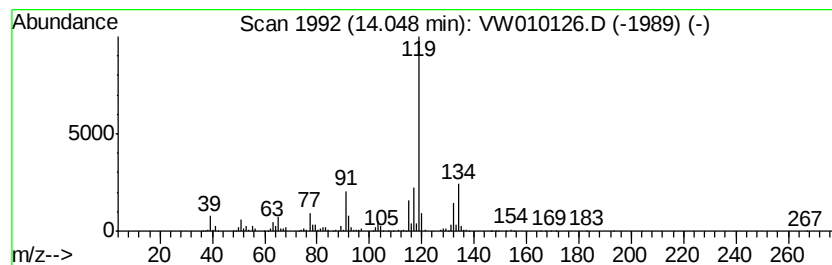
Instrument :
MSVOA_W
ClientSampleId :
GAHX5

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

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

Peak Number 36 o-Cymene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	4.05 ug/L	10064100	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 87
2		p-Cymene	134 C10H14	000099-87-6 81
3		p-Cymene	134 C10H14	000099-87-6 81
4		7-Methoxymethyl-2,7-dimethylcyclo...	164 C11H16O	073992-48-0 80
5		o-Cymene	134 C10H14	000527-84-4 76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

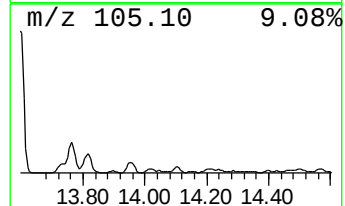
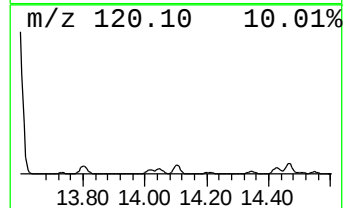
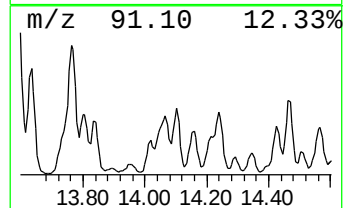
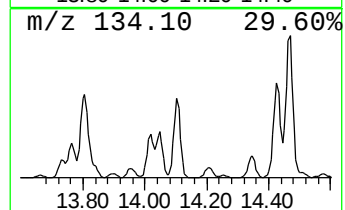
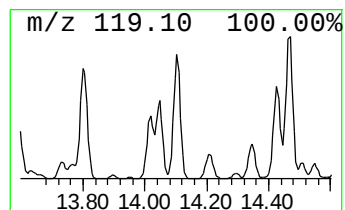
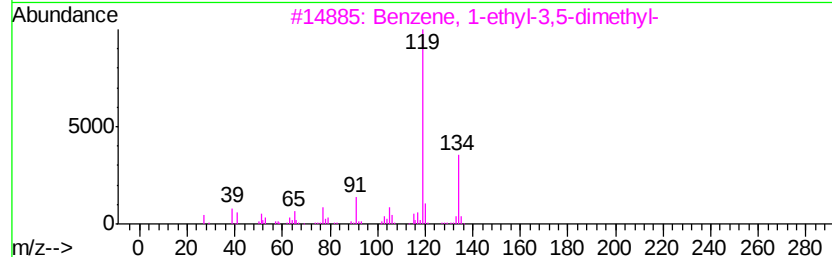
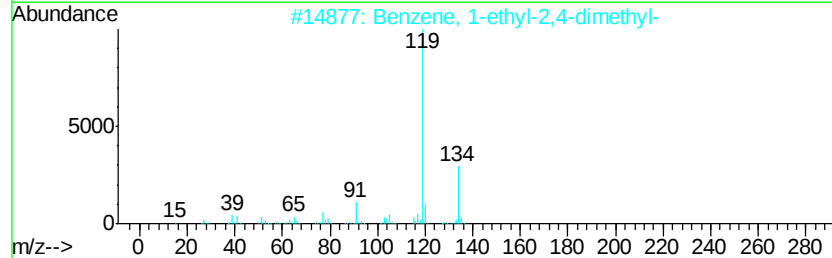
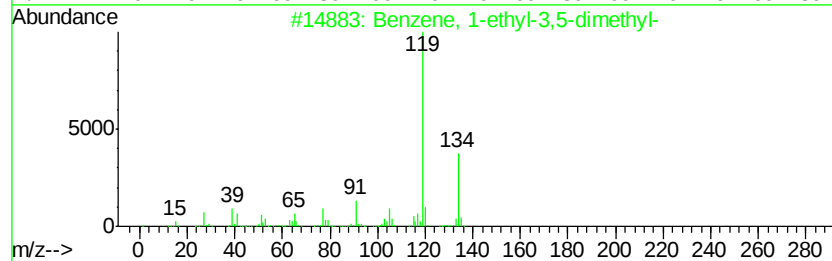
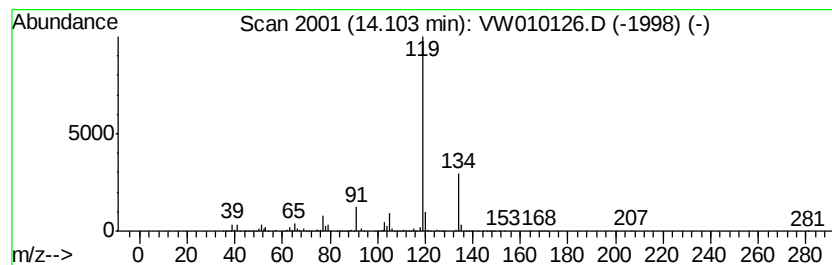
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 37 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	4.42 ug/L	10989900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

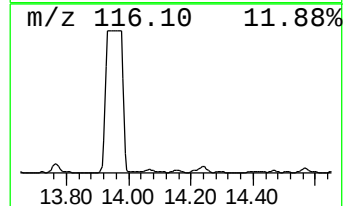
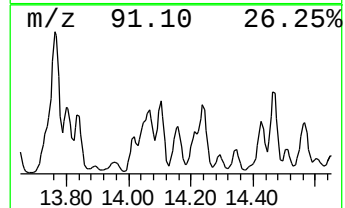
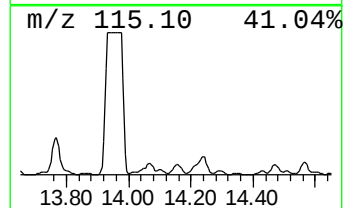
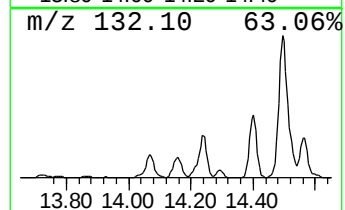
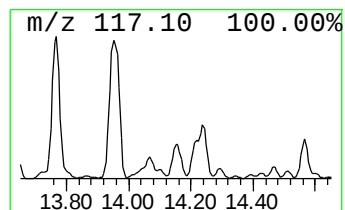
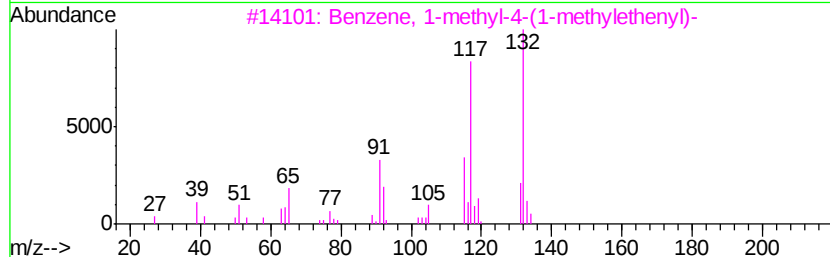
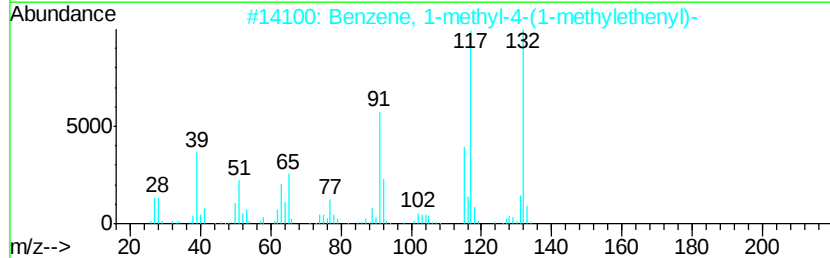
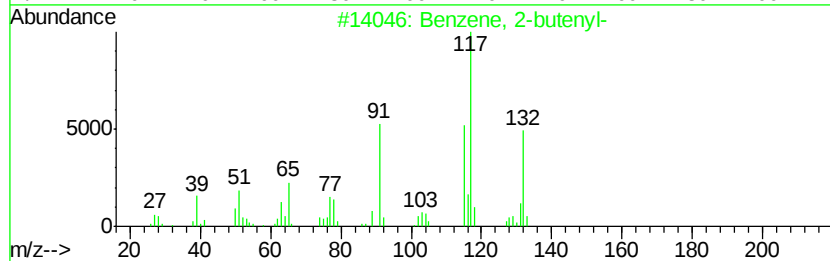
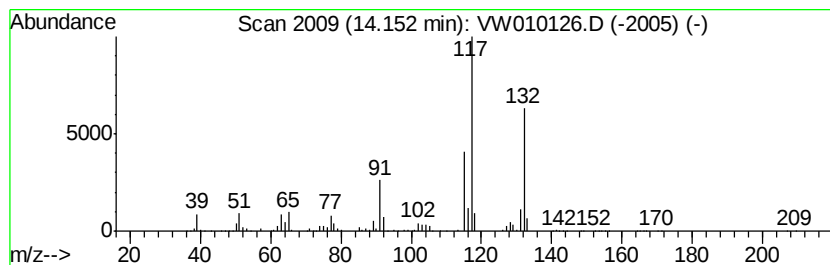
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 2-butenyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	4.36 ug/L	10846900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
2		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	91
3		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	90
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

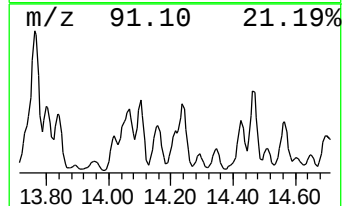
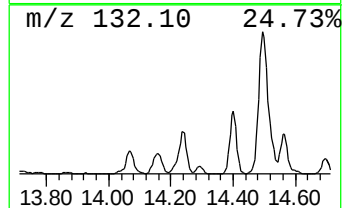
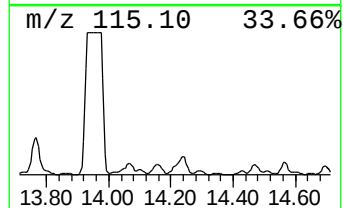
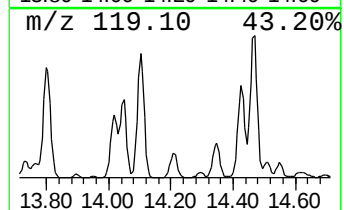
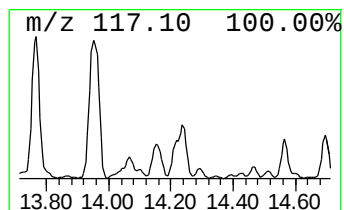
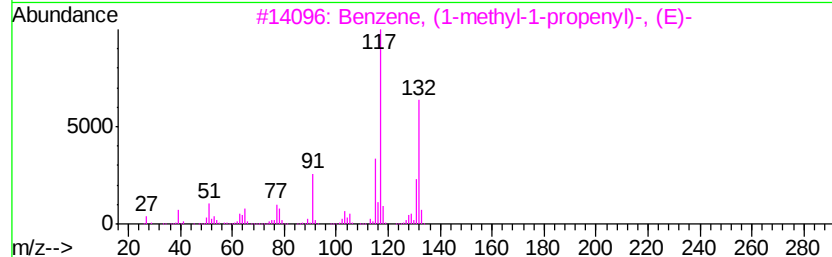
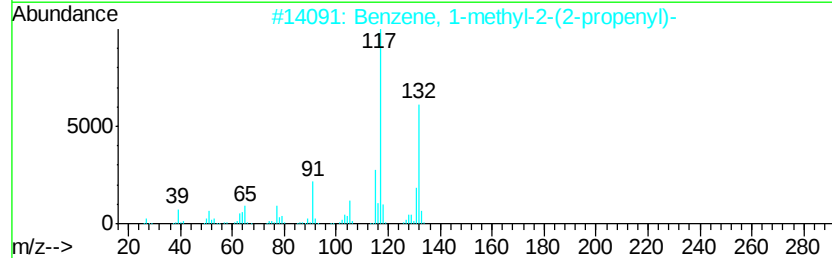
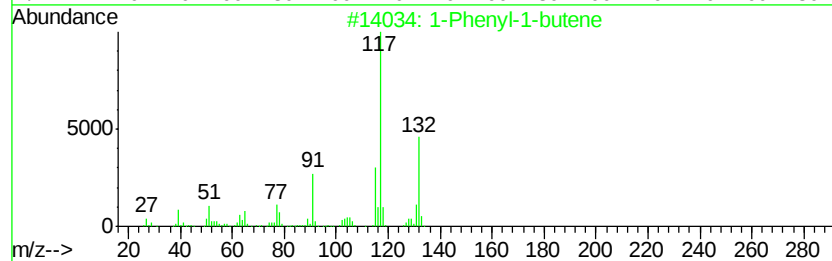
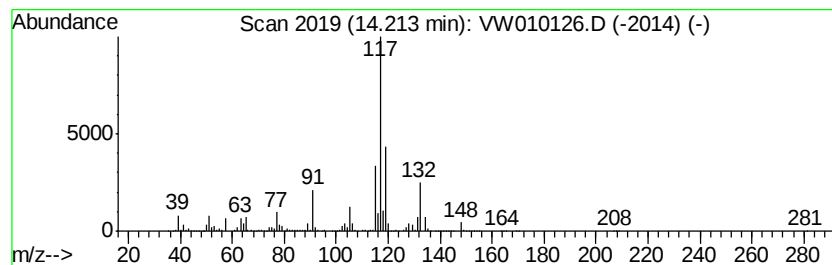
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 39 1-Phenyl-1-butene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	3.06 ug/L	7607820	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

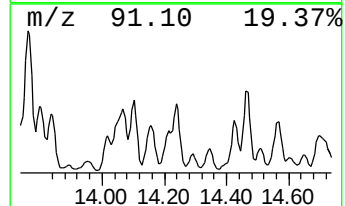
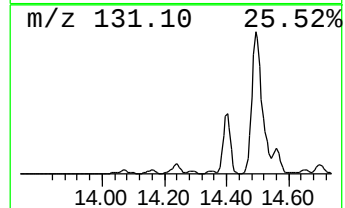
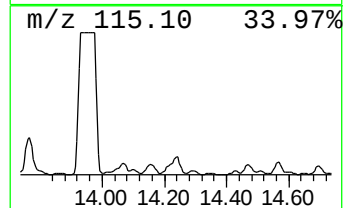
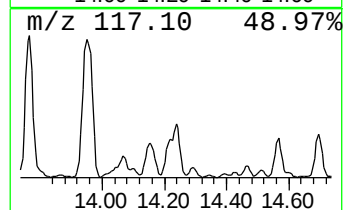
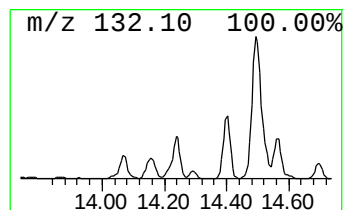
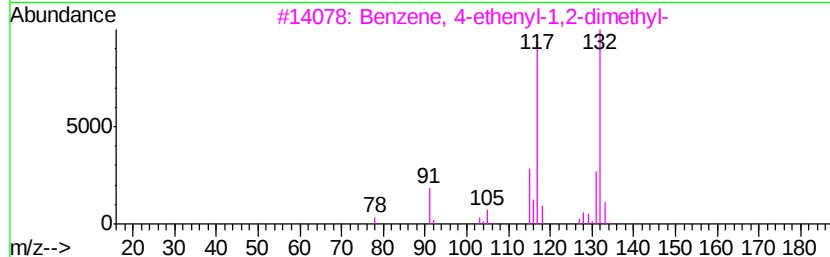
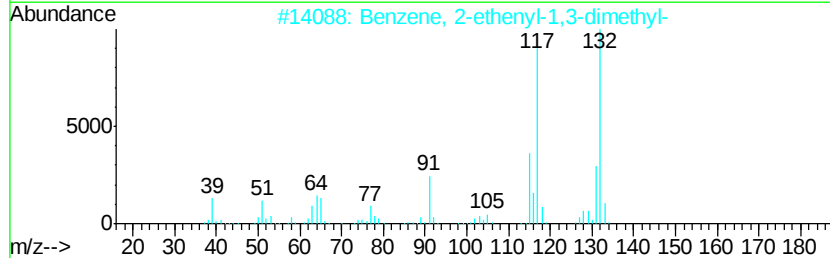
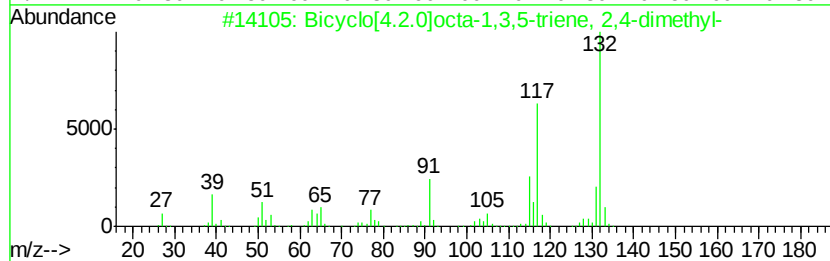
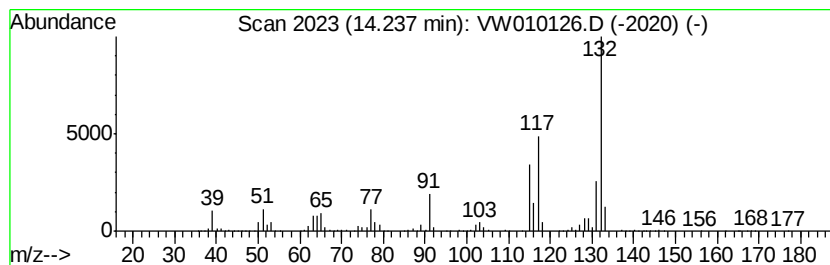
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 40 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	5.90 ug/L	14690500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	91
2		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	90
3		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	89
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	68
5		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

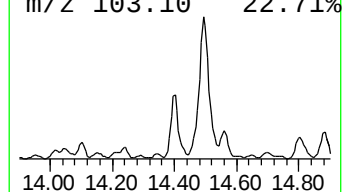
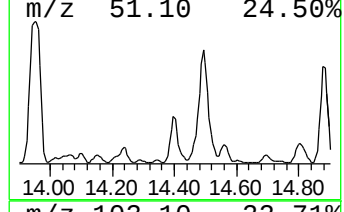
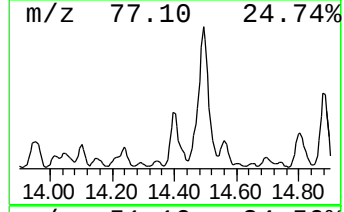
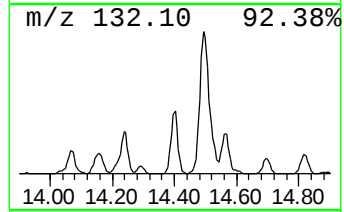
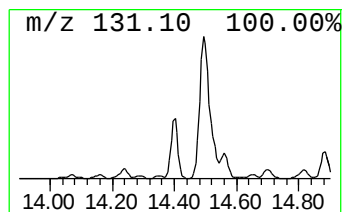
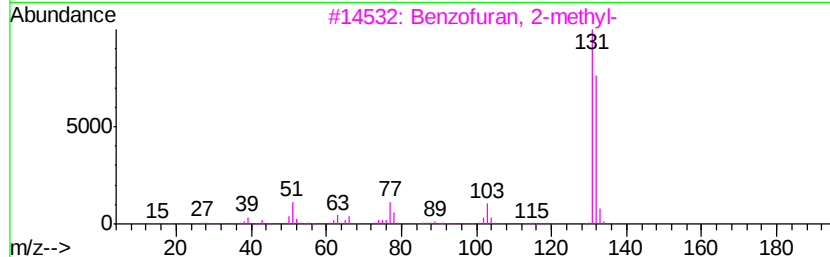
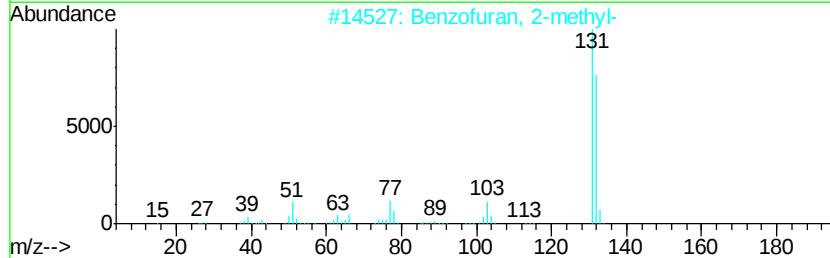
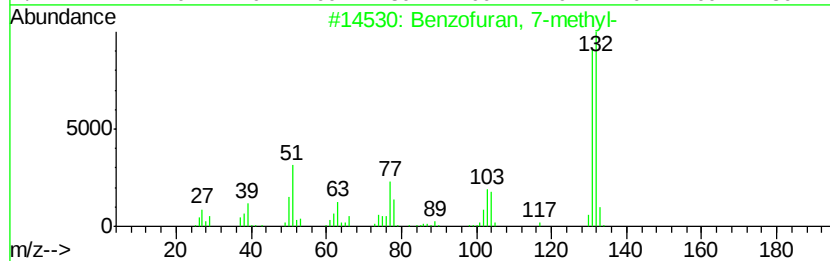
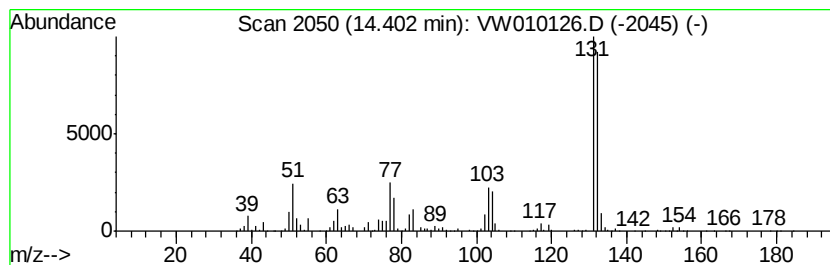
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 42 Benzofuran, 7-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	11.23 ug/L	27934300	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
4		Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
5		3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

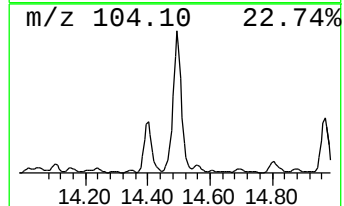
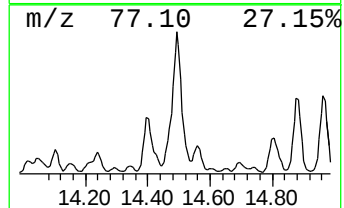
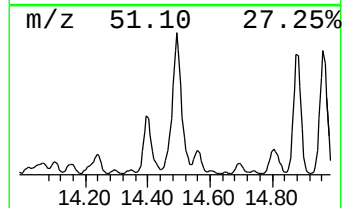
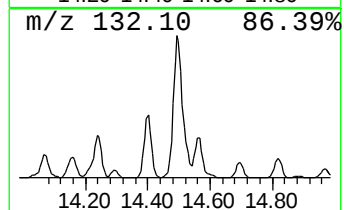
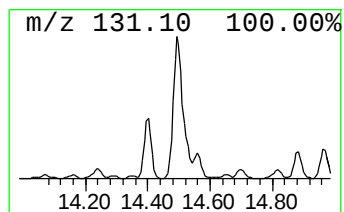
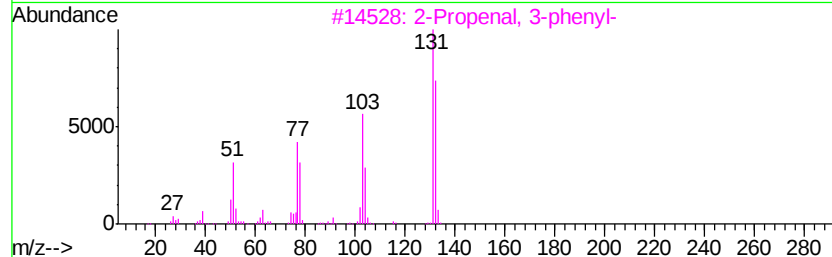
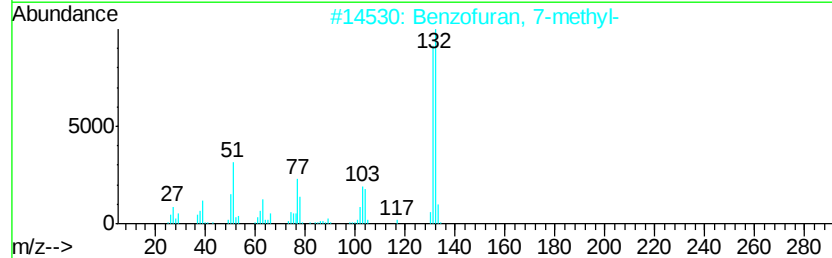
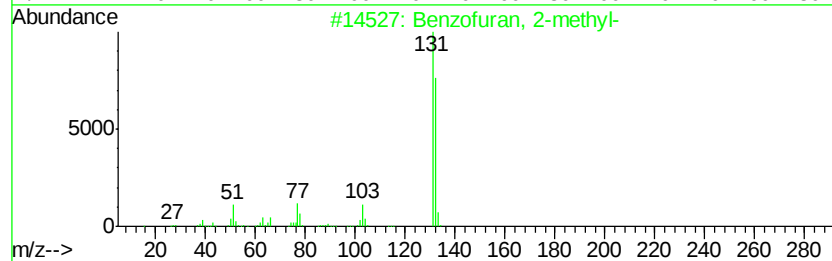
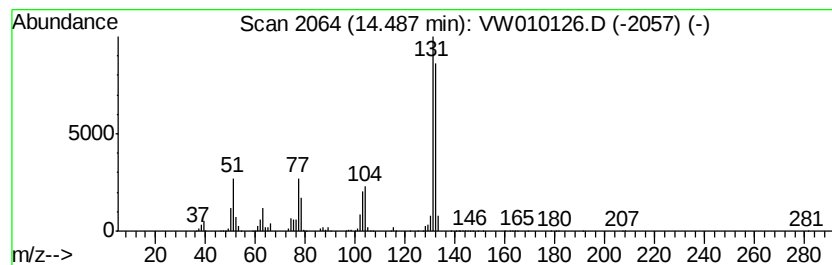
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 43 Benzofuran, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	33.42 ug/L	83144000	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2		Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3		2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93
4		Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
5		2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

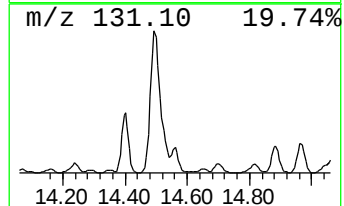
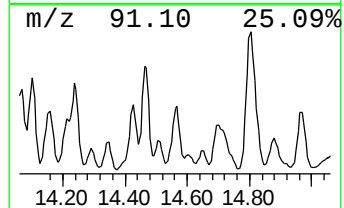
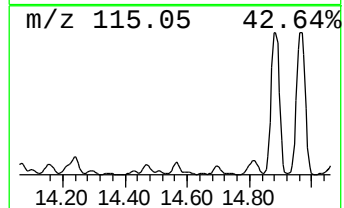
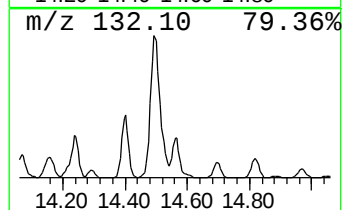
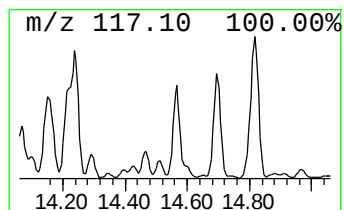
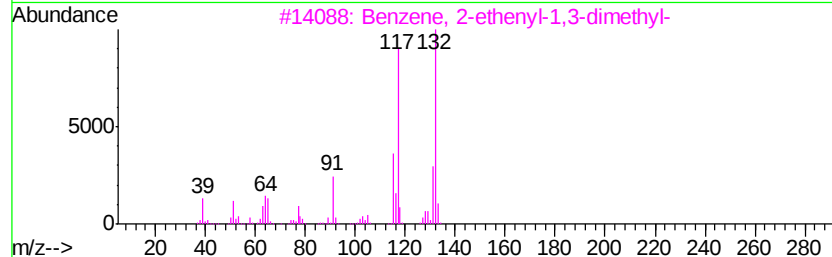
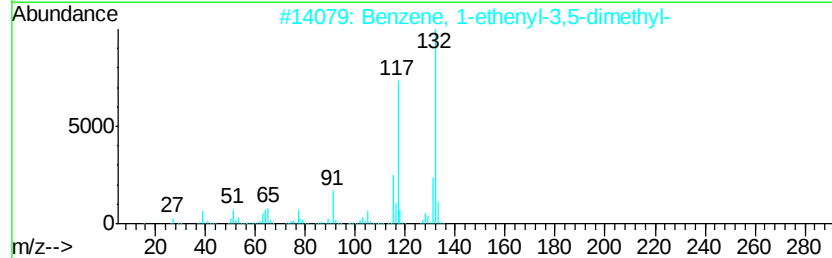
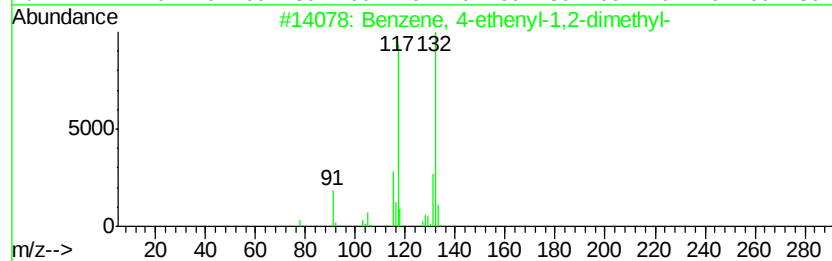
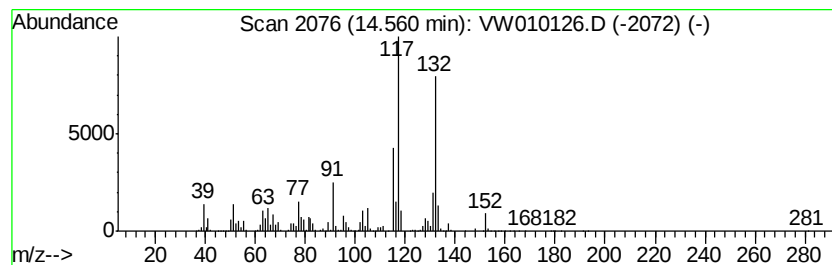
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 44 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	7.03 ug/L	17482900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	96
2		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	93
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

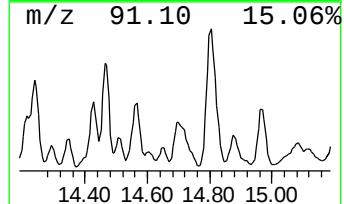
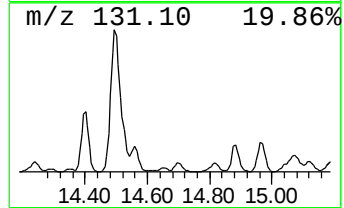
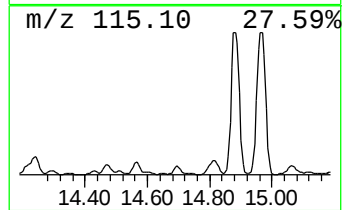
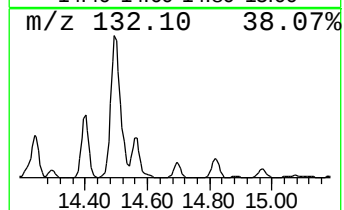
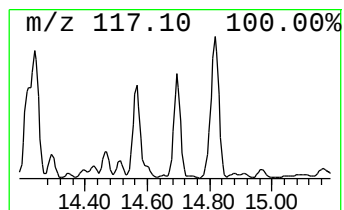
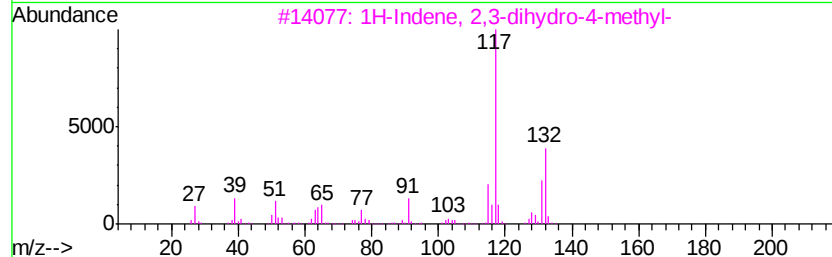
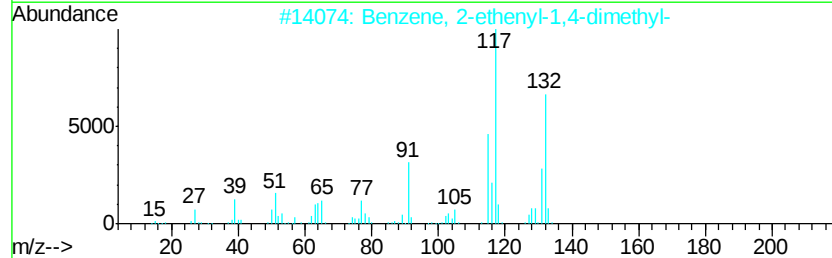
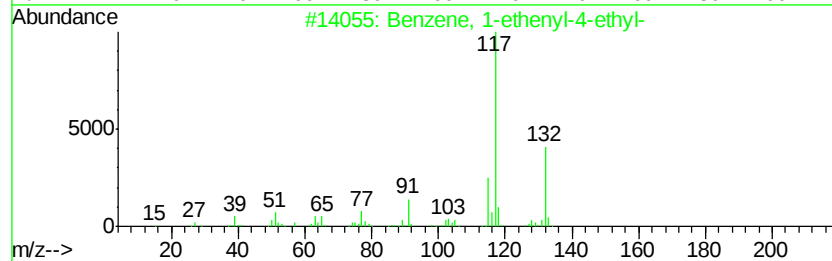
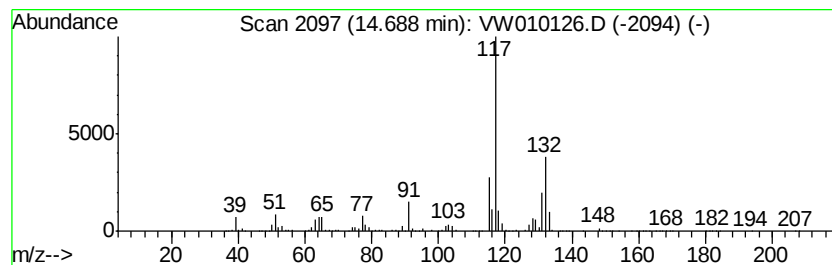
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 45 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.36 ug/L	10858200	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5		Indan, 1-methyl-	132	C10H12	000767-58-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

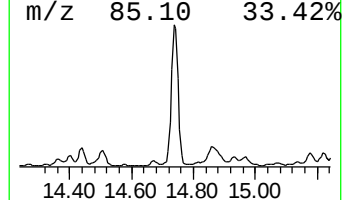
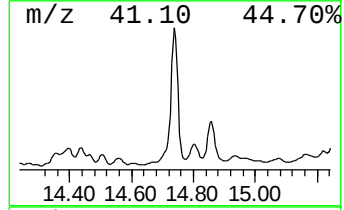
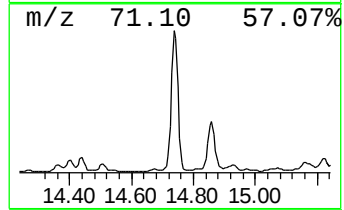
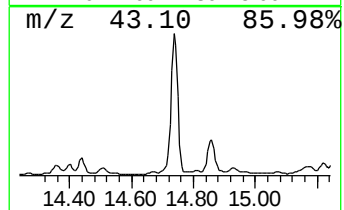
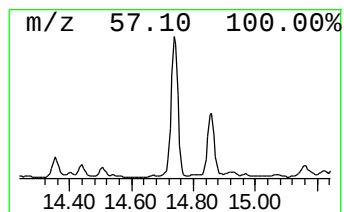
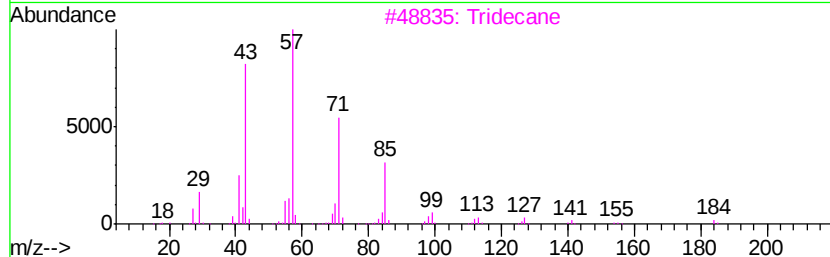
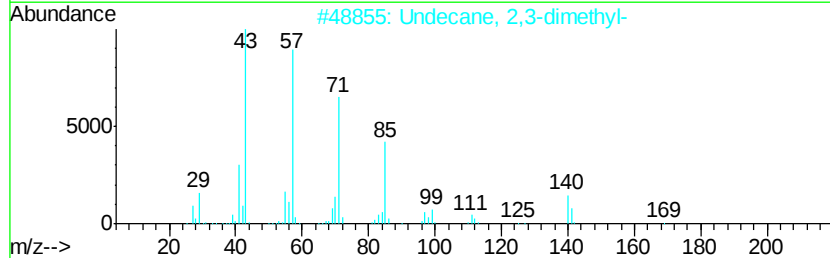
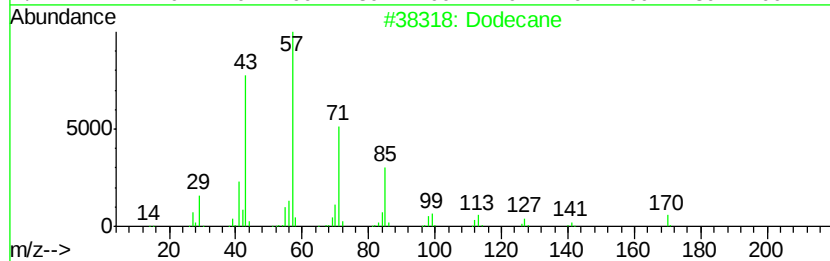
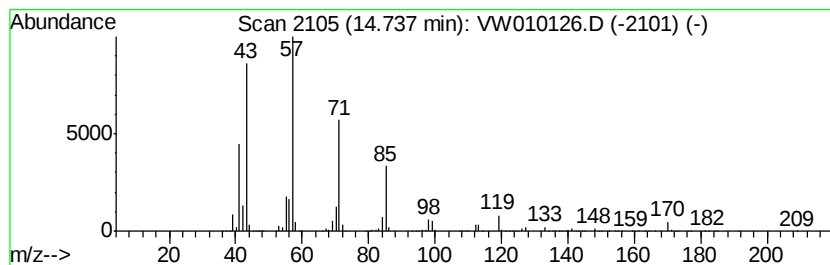
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	15.55 ug/L	38685400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	91
2		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	86
3		Tridecane	184	C13H28	000629-50-5	86
4		Dodecane	170	C12H26	000112-40-3	81
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

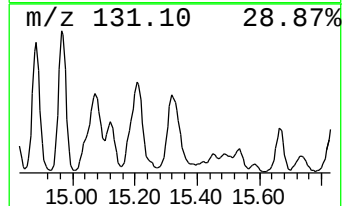
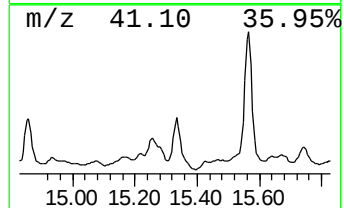
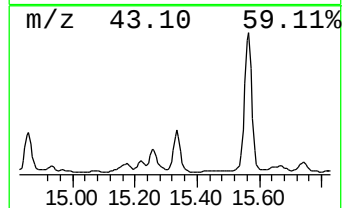
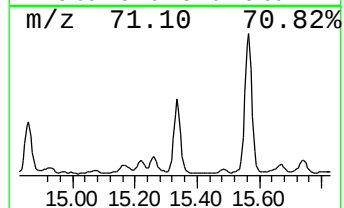
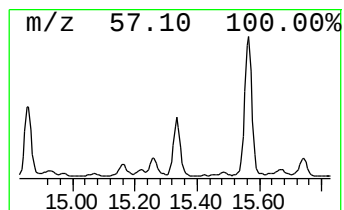
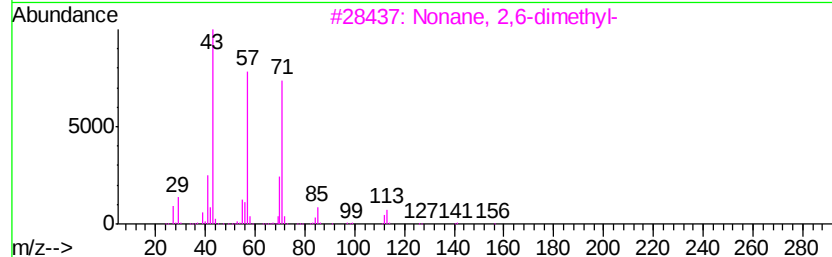
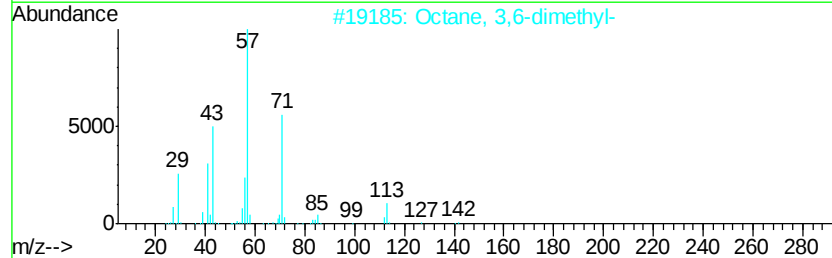
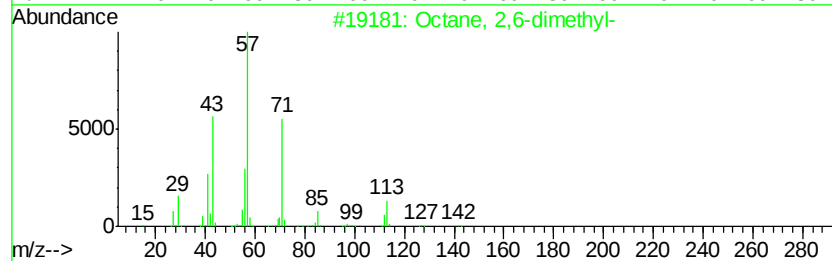
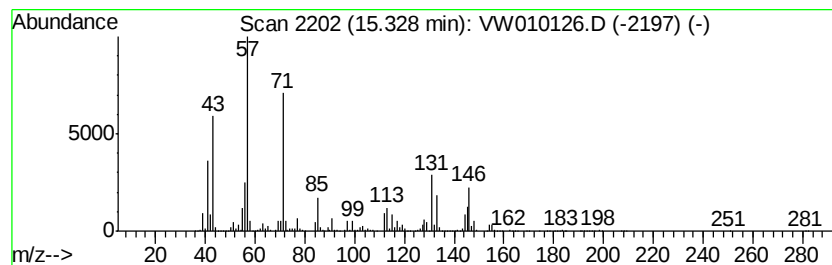
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	8.05 ug/L	20026100	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
3			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52
4			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	49
5			Bacchotricuneatin c	342	C20H22O5	066563-30-2	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

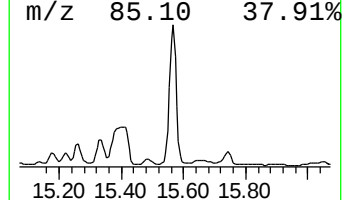
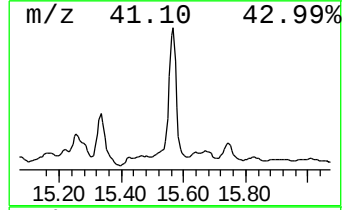
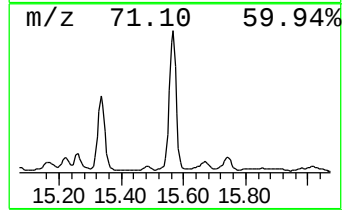
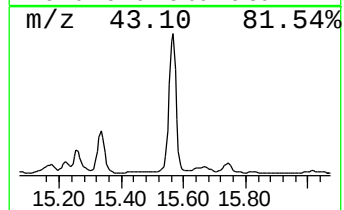
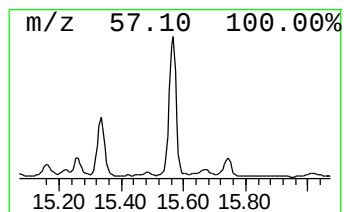
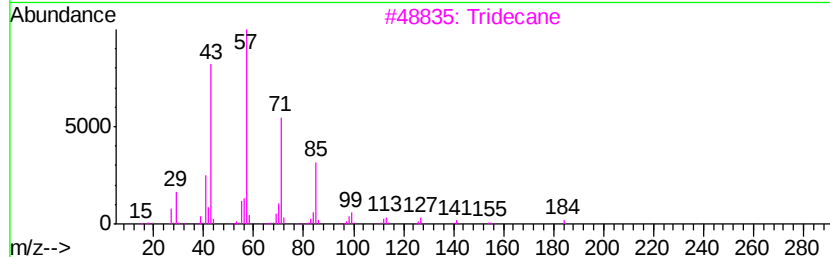
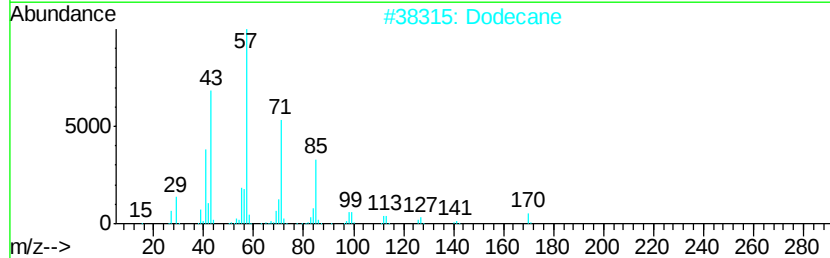
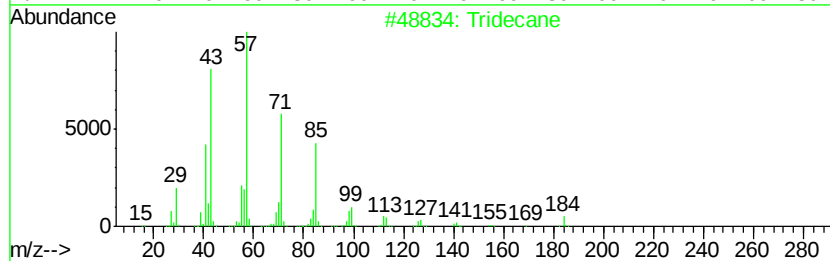
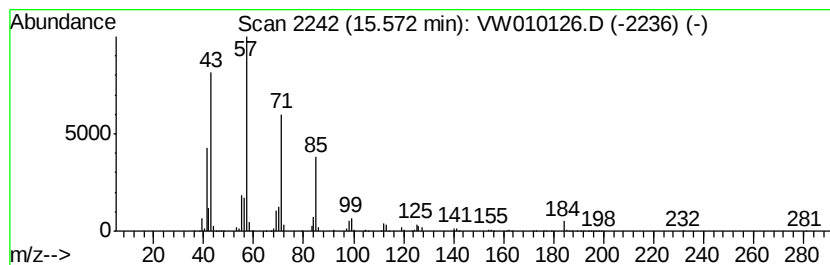
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	16.34 ug/L	40662400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Dodecane	170	C12H26	000112-40-3	91
3			Tridecane	184	C13H28	000629-50-5	91
4			Tridecane	184	C13H28	000629-50-5	90
5			Tetradecane	198	C14H30	000629-59-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

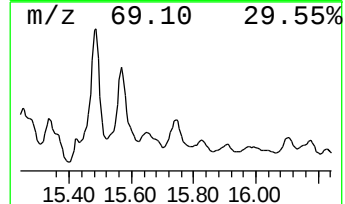
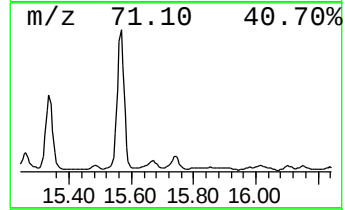
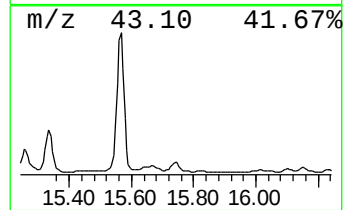
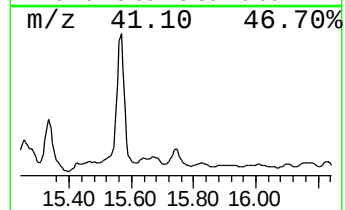
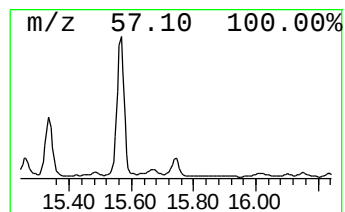
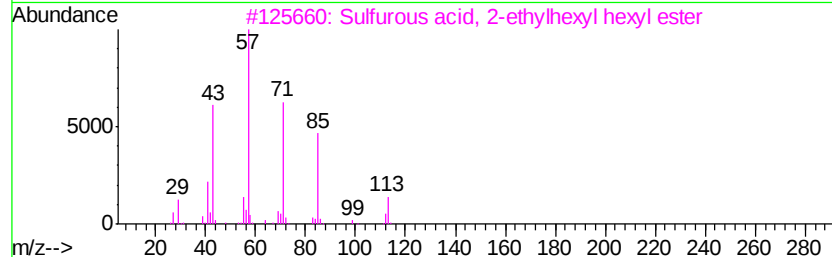
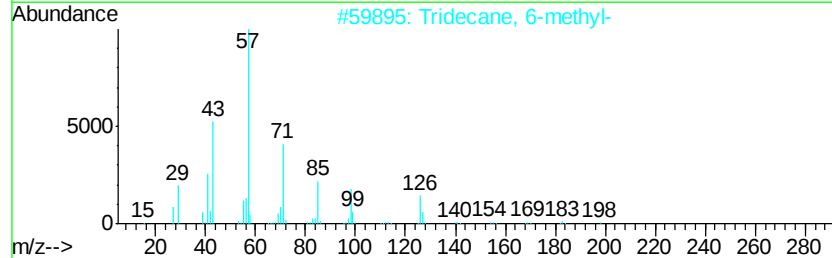
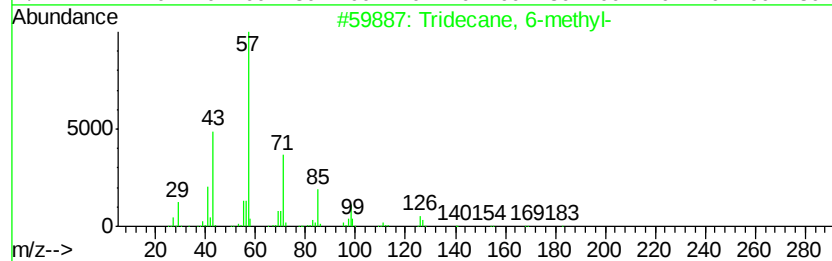
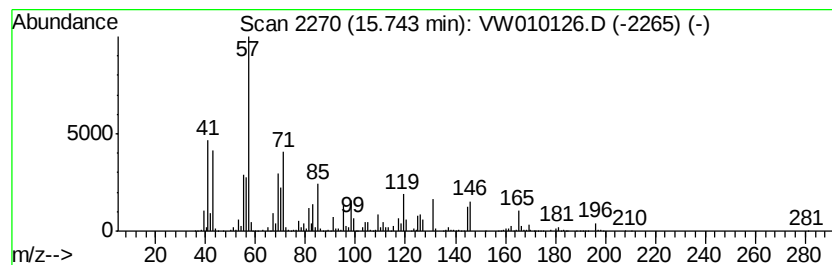
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	3.48 ug/L	8650200	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	38
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	35
3			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	27
4			Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	27
5			Decane, 3-methyl-	156	C11H24	013151-34-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

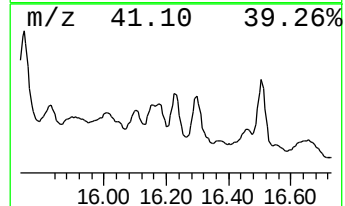
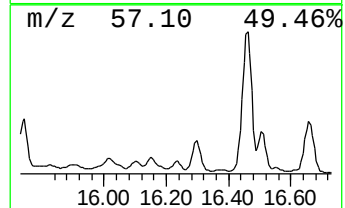
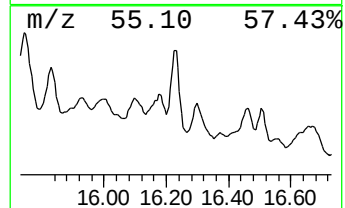
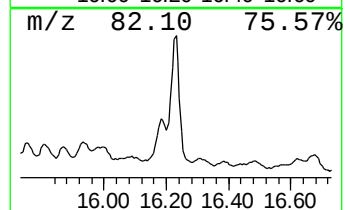
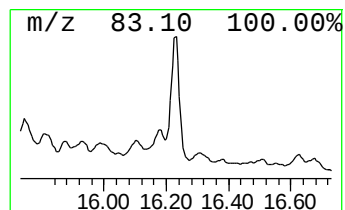
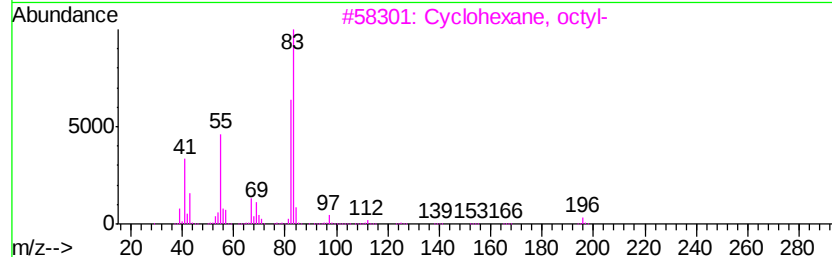
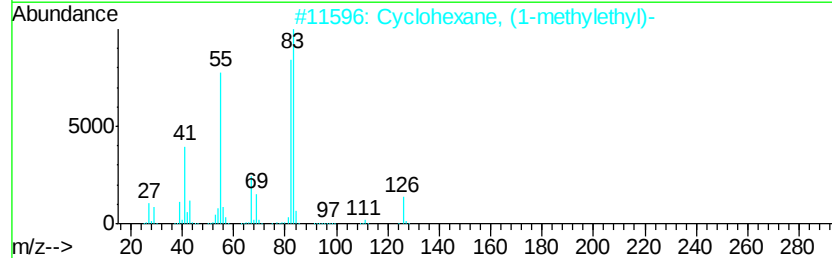
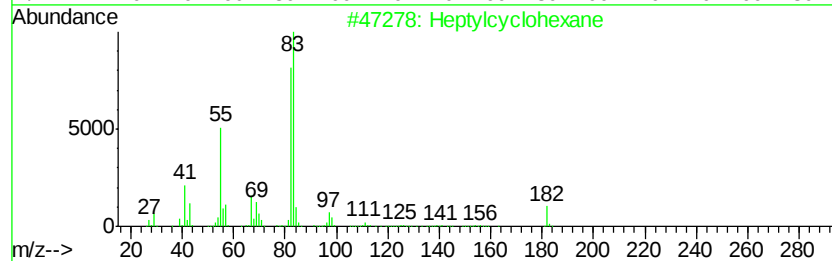
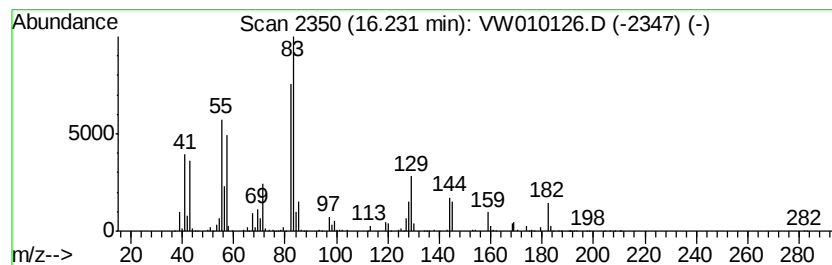
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Cyclic16.23 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	1.88 ug/L	4676950	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	58
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4			Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
5			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

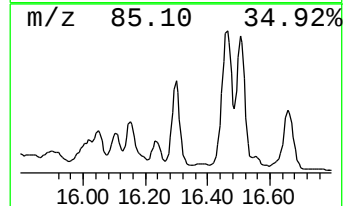
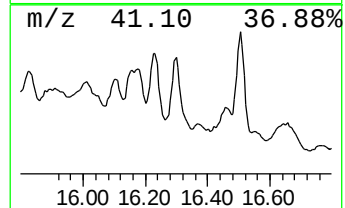
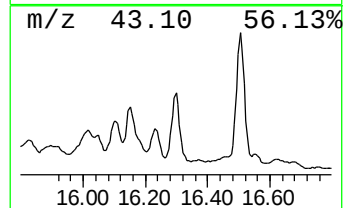
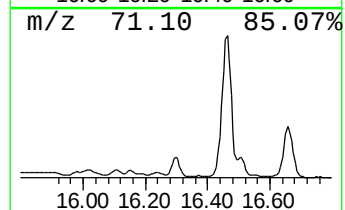
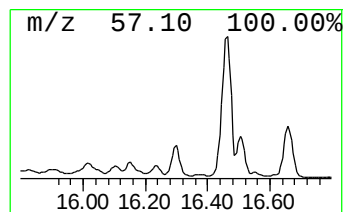
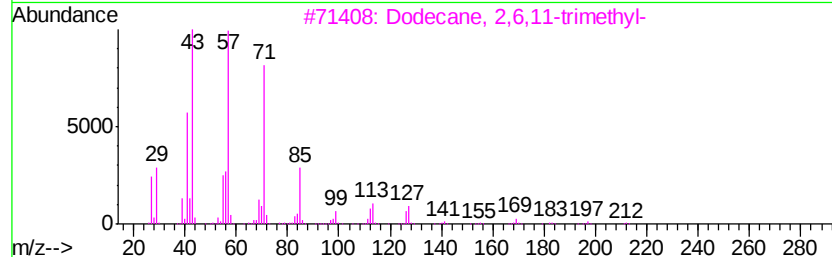
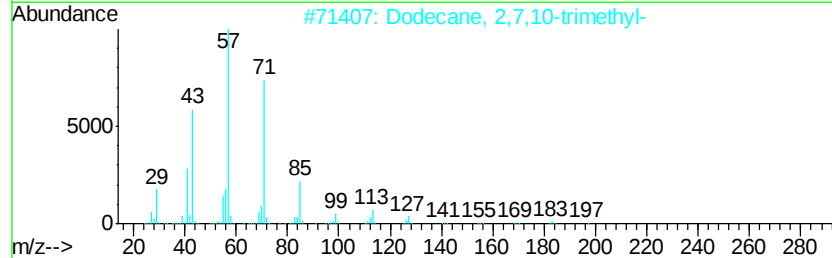
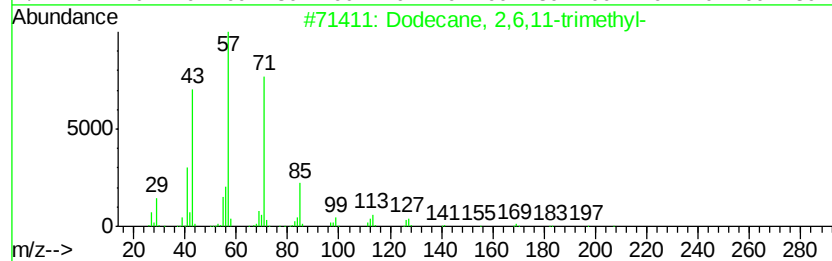
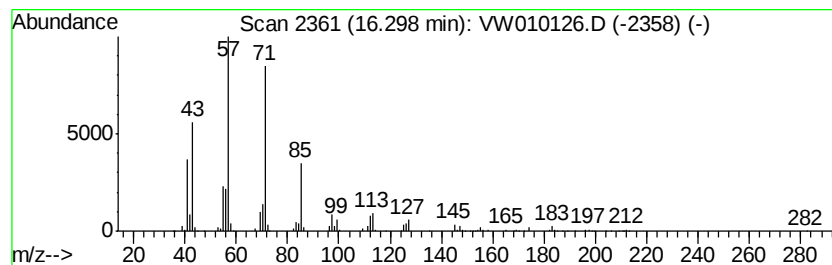
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	1.34 ug/L	3329250	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	80
5			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042419\
Data File : VW010126.D
Acq On : 25 Apr 2019 02:25
Operator : SY/VA
Sample : K2481-22
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHX5

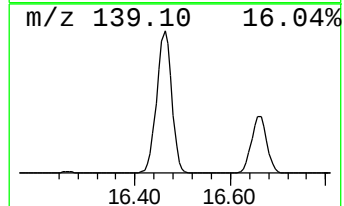
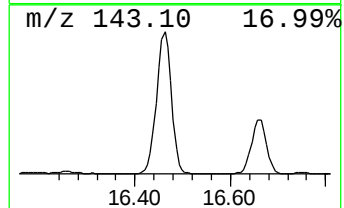
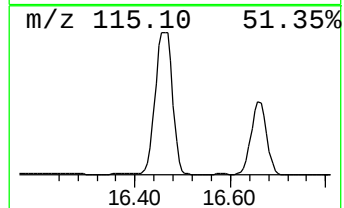
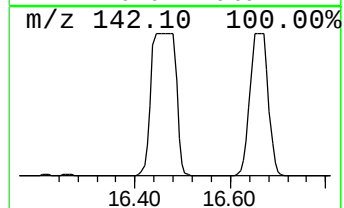
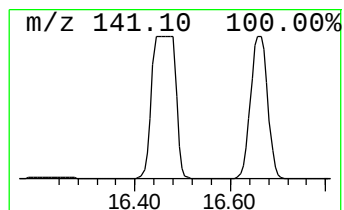
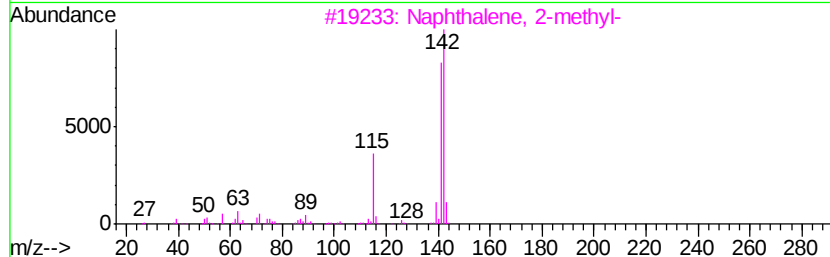
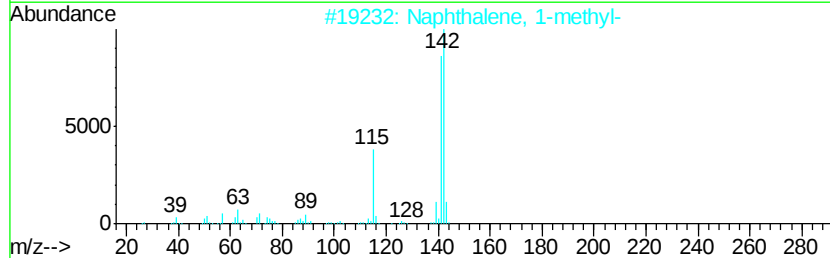
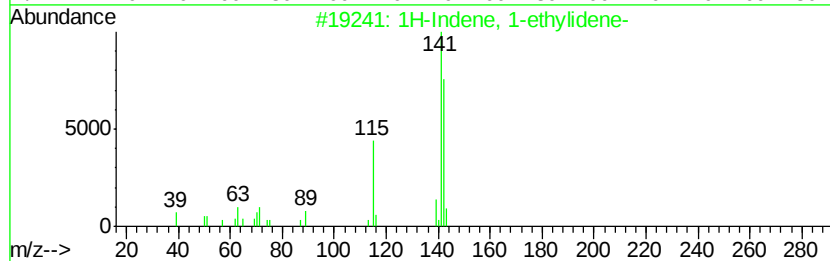
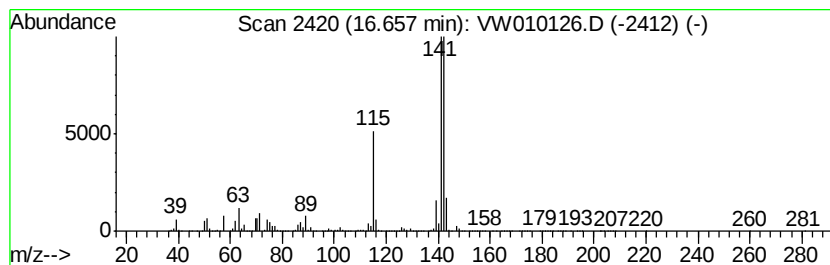
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis

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

Peak Number 66 1H-Indene, 1-ethylidene- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	37.29 ug/L	92763900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Benzocycloheptatriene	142	C11H10	000264-09-5	94
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010126.D
 Acq On : 25 Apr 2019 02:25
 Operator : SY/VA
 Sample : K2481-22
 Misc : 5.07G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexene, 1-me...	10.20	2.2	ug/L	162378	1	8.84	1822930	25.0
Thiophene, 2-methyl-	10.50	25.5	ug/L	2026710	2	11.63	1985920	25.0
Thiophene, 3-methyl-	10.65	19.2	ug/L	1525760	2	11.63	1985920	25.0
(DEL) Alkane: Cyc...	10.76	4.0	ug/L	319372	2	11.63	1985920	25.0
1-Methylcycloheptene	11.05	1.8	ug/L	139326	2	11.63	1985920	25.0
(DEL) Alkane: Cyc...	11.10	2.0	ug/L	157426	2	11.63	1985920	25.0
(DEL) Alkane: Cyc...	11.18	5.1	ug/L	402117	2	11.63	1985920	25.0
Pyridine, 2-methyl-	11.24	33.8	ug/L	2687960	2	11.63	1985920	25.0
(DEL) Alkane: Str...	11.34	4.6	ug/L	363461	2	11.63	1985920	25.0
(DEL) Alkane: Str...	11.41	12.4	ug/L	986811	2	11.63	1985920	25.0
(DEL) Alkane: Str...	11.51	7.0	ug/L	552371	2	11.63	1985920	25.0
Pentalene, 1,2,3,...	11.55	2.5	ug/L	197419	2	11.63	1985920	25.0
(DEL) Alkane: Cyc...	11.93	2.6	ug/L	207870	2	11.63	1985920	25.0
Thiophene, 2,4-di...	11.98	61.1	ug/L	4855510	2	11.63	1985920	25.0
(DEL) Alkane: Str...	12.26	12.9	ug/L	1027880	2	11.63	1985920	25.0
Thiophene, 3,4-di...	12.35	71.4	ug/L	5674630	2	11.63	1985920	25.0
(DEL) Alkane: Str...	12.54	4.6	ug/L	364760	2	11.63	1985920	25.0
(DEL) Alkane: Str...	12.57	7.4	ug/L	586231	2	11.63	1985920	25.0
Benzene, propyl-	12.80	3.5	ug/L	8782280	3	13.57	62198500	25.0
Benzene, 1-ethyl-...	12.87	23.2	ug/L	57749100	3	13.57	62198500	25.0
Benzene, 1,2,3-tr...	12.90	9.4	ug/L	23433400	3	13.57	62198500	25.0
Mesitylene	12.94	28.8	ug/L	71559200	3	13.57	62198500	25.0
.alpha.-Methylsty...	13.12	21.3	ug/L	52957000	3	13.57	62198500	25.0
Benzene, 1-etheny...	13.31	36.6	ug/L	91014500	3	13.57	62198500	25.0
Benzene, 1-etheny...	13.36	15.3	ug/L	37981400	3	13.57	62198500	25.0
3-Hydroxyphenylac...	13.48	33.2	ug/L	82488900	3	13.57	62198500	25.0
Indane	13.63	8.4	ug/L	20941400	3	13.57	62198500	25.0
Benzene, cyclopro...	13.76	18.8	ug/L	46684300	3	13.57	62198500	25.0
Benzene, 1-ethyl-...	13.80	4.7	ug/L	11611400	3	13.57	62198500	25.0
Benzene, 2-ethyl-...	14.02	2.6	ug/L	6362930	3	13.57	62198500	25.0
o-Cymene	14.05	4.0	ug/L	10064100	3	13.57	62198500	25.0
Benzene, 1-ethyl-...	14.10	4.4	ug/L	10989900	3	13.57	62198500	25.0
Benzene, 2-butenyl-	14.15	4.4	ug/L	10846900	3	13.57	62198500	25.0
1-Phenyl-1-butene	14.21	3.1	ug/L	7607820	3	13.57	62198500	25.0
Bicyclo[4.2.0]oct...	14.24	5.9	ug/L	14690500	3	13.57	62198500	25.0
Benzofuran, 7-met...	14.40	11.2	ug/L	27934300	3	13.57	62198500	25.0
Benzofuran, 2-met...	14.49	33.4	ug/L	83144000	3	13.57	62198500	25.0
Benzene, 4-etheny...	14.56	7.0	ug/L	17482900	3	13.57	62198500	25.0
Benzene, 1-etheny...	14.69	4.4	ug/L	10858200	3	13.57	62198500	25.0
(DEL) Alkane: Str...	14.74	15.6	ug/L	38685400	3	13.57	62198500	25.0
(DEL) Alkane: Str...	15.33	8.1	ug/L	20026100	3	13.57	62198500	25.0
(DEL) Alkane: Str...	15.57	16.3	ug/L	40662400	3	13.57	62198500	25.0
(DEL) Alkane: Str...	15.74	3.5	ug/L	8650200	3	13.57	62198500	25.0
(DEL) Alkane: Cyc...	16.23	1.9	ug/L	4676950	3	13.57	62198500	25.0
(DEL) Alkane: Str...	16.30	1.3	ug/L	3329250	3	13.57	62198500	25.0
1H-Indene, 1-ethy...	16.66	37.3	ug/L	92763900	3	13.57	62198500	25.0