

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
 Data File : VW015160.D
 Acq On : 07 Apr 2020 13:54
 Operator : SY/VA
 Sample : L2176-02
 Misc : 4.09G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2H9

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\SOM2WLM032520S.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	4.019	336	347	359	rBV	279176	831763	0.23%	0.018%
2	7.647	929	942	971	rBV	426685	1249166	0.35%	0.027%
3	7.958	982	993	1000	rBV	1025009	2736934	0.76%	0.059%
4	8.037	1000	1006	1018	rVV	513320	1466761	0.41%	0.032%
5	8.159	1018	1026	1031	rVV	193286	489471	0.14%	0.011%
6	8.226	1031	1037	1038	rVV	203588	404942	0.11%	0.009%
7	8.275	1039	1045	1060	rVB2	864288	2571823	0.72%	0.055%
8	8.433	1060	1071	1078	rBV3	897004	2417461	0.67%	0.052%
9	8.506	1078	1083	1088	rVV2	739893	1742256	0.49%	0.037%
10	8.573	1088	1094	1111	rVB	1155902	2948394	0.82%	0.063%
11	8.841	1127	1138	1149	rBV	855537	1659970	0.46%	0.036%
12	9.152	1180	1189	1201	rBV	2647523	6029498	1.68%	0.129%
13	9.335	1201	1219	1226	rBV	68836918	161799051	45.17%	3.475%
14	9.469	1236	1241	1243	rBV	410990	648249	0.18%	0.014%
15	9.518	1243	1249	1253	rVB	2039385	3384914	0.94%	0.073%
16	9.585	1253	1260	1261	rBV2	4975554	9038167	2.52%	0.194%
17	9.756	1278	1288	1300	rVB2	6525620	14230779	3.97%	0.306%
18	9.902	1301	1312	1317	rBV	13942860	29495342	8.23%	0.633%
19	10.079	1330	1341	1345	rBV	11045789	23145880	6.46%	0.497%
20	10.134	1345	1350	1359	rVB	12351933	26948516	7.52%	0.579%
21	10.262	1359	1371	1375	rBV2	9545583	21643578	6.04%	0.465%
22	10.329	1375	1382	1387	rBV4	142273850	358224345	100.00%	7.694%
23	10.451	1395	1402	1404	rBV2	8356881	14186770	3.96%	0.305%
24	10.494	1404	1409	1419	rVB3	37833811	92102564	25.71%	1.978%
25	10.670	1419	1438	1446	rBV2	111156079	220405425	61.53%	4.734%
26	10.768	1446	1454	1464	rBV5	132321027	301267389	84.10%	6.470%
27	10.853	1464	1468	1474	rVB	33074193	55246504	15.42%	1.187%
28	10.945	1474	1483	1489	rBV	46591697	90782213	25.34%	1.950%
29	11.000	1489	1492	1494	rBV	1628522	2042028	0.57%	0.044%
30	11.048	1494	1500	1507	rBV2	54194851	108506763	30.29%	2.330%
31	11.122	1507	1512	1514	rBV	50828959	81298934	22.69%	1.746%
32	11.152	1514	1517	1519	rVV2	46540178	73751799	20.59%	1.584%
33	11.189	1519	1523	1527	rVB4	99704360	176342540	49.23%	3.787%
34	11.237	1527	1531	1536	rVB	60406288	98985864	27.63%	2.126%

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
 Data File : VW015160.D
 Acq On : 07 Apr 2020 13:54
 Operator : SY/VA
 Sample : L2176-02
 Misc : 4.09G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2H9

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\SOM2WLM032520S.M
 Title : VOC Analysis

35	11.292	1536	1540	1543	rBV	14240904	18736879	5.23%	0.402%
36	11.341	1543	1548	1552	rBV	35743310	58469513	16.32%	1.256%
37	11.384	1552	1555	1559	rVB2	18464892	27074850	7.56%	0.582%
38	11.439	1559	1564	1572	rVB	51790476	103205627	28.81%	2.217%
39	11.506	1572	1575	1580	rVB	11352950	16178690	4.52%	0.347%
40	11.554	1580	1583	1588	rVB4	2310801	3363008	0.94%	0.072%
41	11.609	1588	1592	1598	rBV2	2884237	4635506	1.29%	0.100%
42	11.670	1598	1602	1604	rBV	2164687	3191549	0.89%	0.069%
43	11.725	1604	1611	1614	rBV2	15482898	29076939	8.12%	0.625%
44	11.768	1614	1618	1622	rBV	25283627	34866651	9.73%	0.749%
45	11.817	1622	1626	1630	rBV2	21278879	33479203	9.35%	0.719%
46	11.878	1630	1636	1640	rBV3	72108150	131669557	36.76%	2.828%
47	11.920	1640	1643	1648	rVB	34414406	54829433	15.31%	1.178%
48	11.975	1648	1652	1655	rBV2	7214682	12842182	3.58%	0.276%
49	12.006	1655	1657	1659	rBV	1247656	945472	0.26%	0.020%
50	12.060	1659	1666	1672	rVB4	18296153	45433902	12.68%	0.976%
51	12.140	1672	1679	1686	rBV3	85497967	197573481	55.15%	4.243%
52	12.195	1686	1688	1691	rVB2	6466656	6381749	1.78%	0.137%
53	12.256	1691	1698	1702	rVB3	47675307	90434962	25.25%	1.942%
54	12.347	1702	1713	1715	rBV4	73390007	179083254	49.99%	3.846%
55	12.463	1728	1732	1736	rBV3	17069614	27349462	7.63%	0.587%
56	12.505	1736	1739	1742	rVV2	13766989	20241587	5.65%	0.435%
57	12.542	1742	1745	1753	rVB4	32402349	65188547	18.20%	1.400%
58	12.621	1753	1758	1763	rVB3	15696329	27643635	7.72%	0.594%
59	12.701	1763	1771	1776	rBV4	33837891	85212474	23.79%	1.830%
60	12.749	1776	1779	1780	rBV2	5662242	6283378	1.75%	0.135%
61	12.786	1780	1785	1792	rVB3	81973051	178886603	49.94%	3.842%
62	12.865	1792	1798	1802	rBV4	26433559	55378606	15.46%	1.189%
63	12.944	1803	1811	1816	rBV5	48793416	121361894	33.88%	2.607%
64	12.993	1817	1819	1824	rVB2	22058870	30414386	8.49%	0.653%
65	13.048	1824	1828	1829	rBV3	4897116	6178118	1.72%	0.133%
66	13.085	1829	1834	1837	rBV2	24420032	33002484	9.21%	0.709%
67	13.127	1837	1841	1844	rBV2	18550030	29564802	8.25%	0.635%
68	13.170	1844	1848	1856	rVV2	68937258	120322621	33.59%	2.584%
69	13.255	1856	1862	1866	rVV3	44263601	78449724	21.90%	1.685%
70	13.298	1866	1869	1873	rVV	18349985	26715409	7.46%	0.574%
71	13.347	1873	1877	1879	rVV2	14450573	24130493	6.74%	0.518%

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
 Data File : VW015160.D
 Acq On : 07 Apr 2020 13:54
 Operator : SY/VA
 Sample : L2176-02
 Misc : 4.09G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2H9

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\SOM2WLM032520S.M
 Title : VOC Analysis

72	13.383	1880	1883	1887	rVV	24356242	35991303	10.05%	0.773%
73	13.450	1887	1894	1897	rVV5	27020599	59139996	16.51%	1.270%
74	13.487	1897	1900	1904	rVB2	15993790	20270829	5.66%	0.435%
75	13.591	1911	1917	1922	rBV2	74610587	113820042	31.77%	2.445%
76	13.719	1931	1938	1942	rBV4	17857293	32786339	9.15%	0.704%
77	13.804	1948	1952	1959	rBV2	7012027	16543455	4.62%	0.355%
78	13.883	1959	1965	1969	rBV	52068356	84180130	23.50%	1.808%
79	13.950	1972	1976	1979	rVB	15452045	19943001	5.57%	0.428%
80	14.011	1983	1986	1988	rBV	8608916	11497022	3.21%	0.247%
81	14.097	1995	2000	2005	rVB	35003171	49321447	13.77%	1.059%
82	14.200	2013	2017	2023	rVB4	22735587	41132647	11.48%	0.883%
83	14.267	2023	2028	2034	rVV5	9526619	18256783	5.10%	0.392%
84	14.341	2034	2040	2044	rVV2	16300472	29409800	8.21%	0.632%
85	14.389	2044	2048	2050	rVV2	13895946	22915191	6.40%	0.492%
86	14.420	2050	2053	2056	rVV	18230627	26683398	7.45%	0.573%
87	14.456	2056	2059	2063	rVB	11392469	15061883	4.20%	0.323%
88	14.499	2063	2066	2069	rBV2	3729382	4525416	1.26%	0.097%
89	14.548	2070	2074	2080	rVB3	5326801	10562858	2.95%	0.227%
90	14.688	2094	2097	2101	rBV4	1200266	2127463	0.59%	0.046%
91	14.731	2101	2104	2109	rVV2	3101432	4615931	1.29%	0.099%
92	14.792	2109	2114	2129	rVV4	16999603	43060319	12.02%	0.925%
93	14.907	2130	2133	2138	rVB5	1361540	2368673	0.66%	0.051%
94	15.005	2146	2149	2154	rVV2	1253357	1753709	0.49%	0.038%
95	15.066	2155	2159	2171	rVV4	2485034	6707995	1.87%	0.144%
96	15.170	2172	2176	2185	rVB4	2098014	4290865	1.20%	0.092%
97	15.322	2197	2201	2206	rVB2	989376	1570167	0.44%	0.034%
98	15.730	2264	2268	2274	rVB5	217205	393693	0.11%	0.008%
99	16.438	2378	2384	2400	rVB	354964	822920	0.23%	0.018%
100	16.645	2410	2418	2430	rVB	171097	439100	0.12%	0.009%

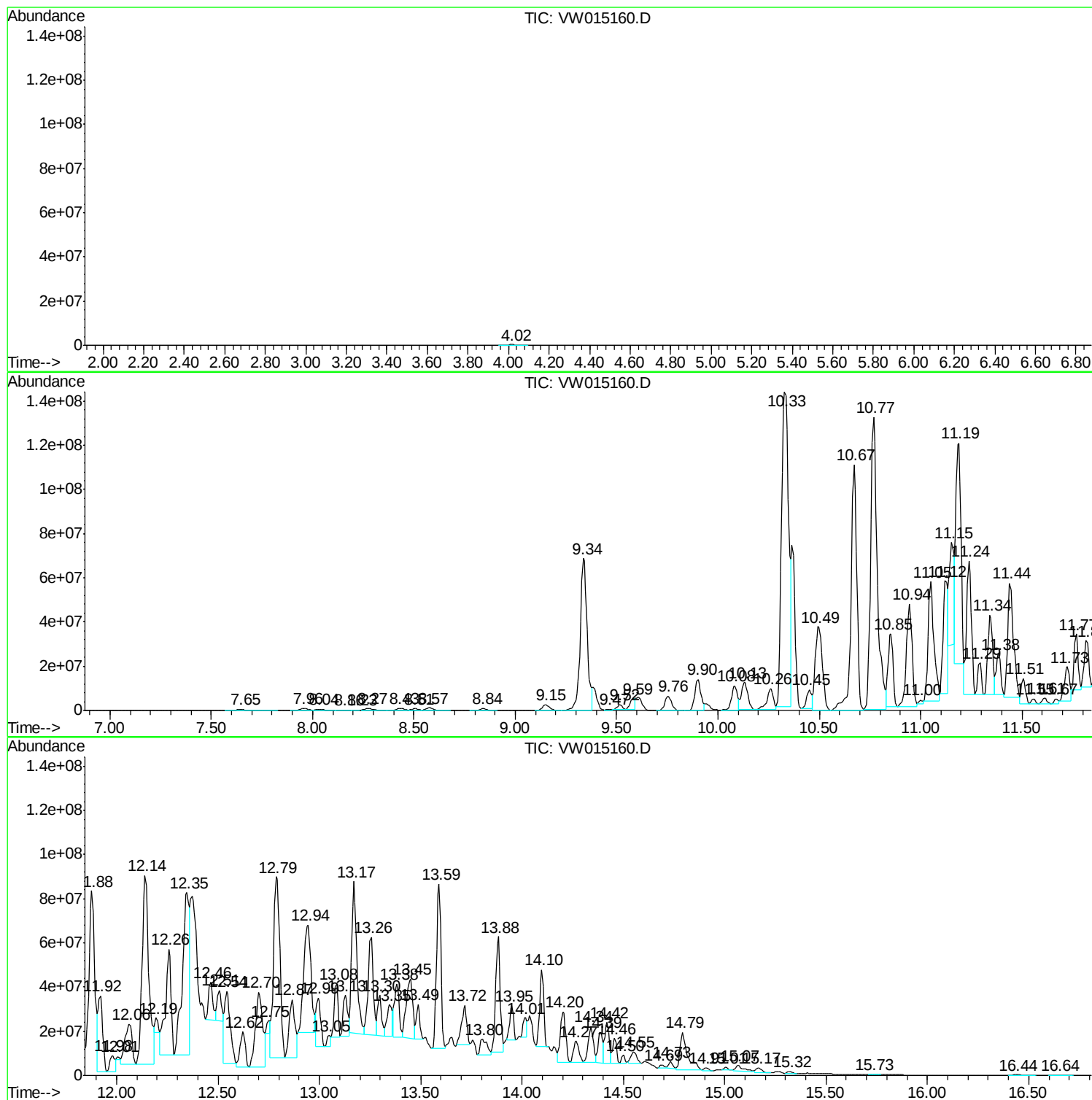
Sum of corrected areas: 4656015058

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

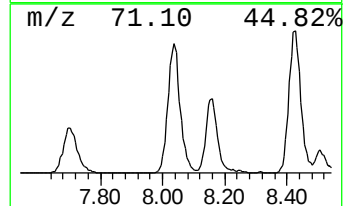
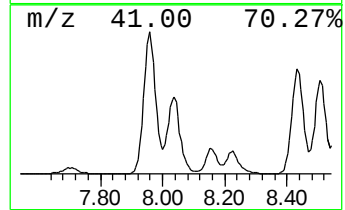
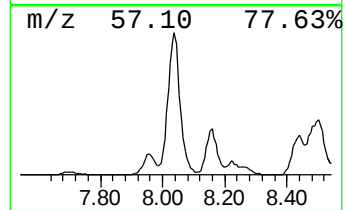
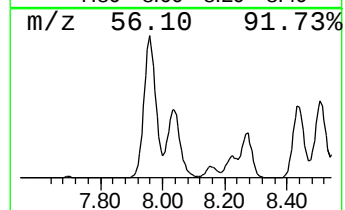
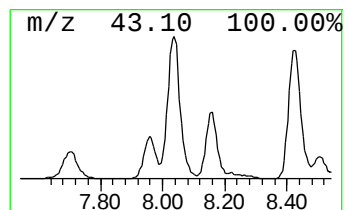
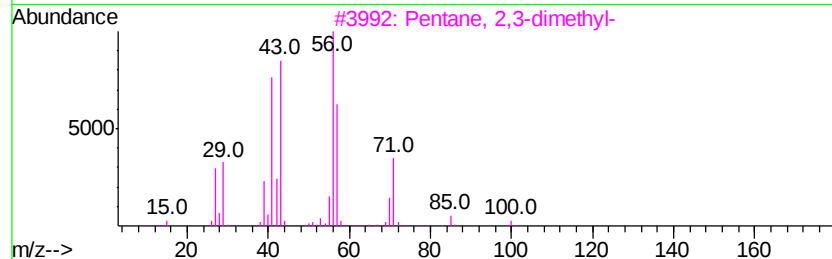
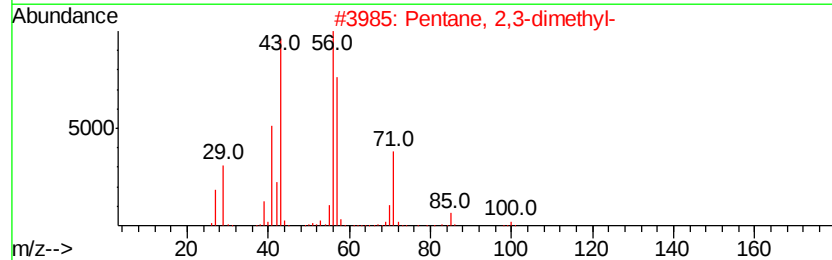
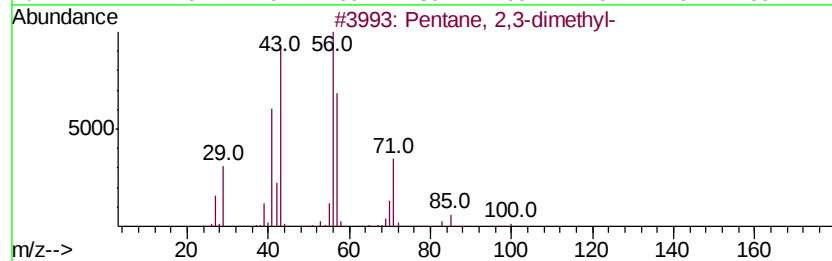
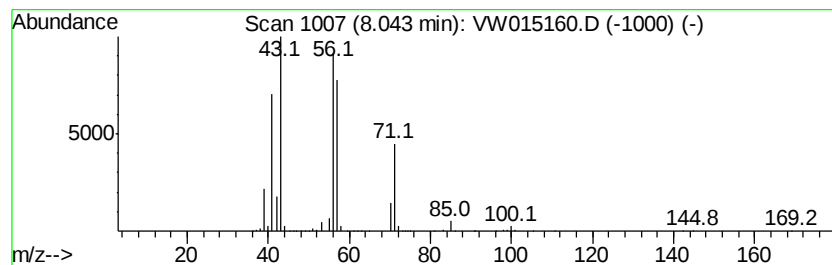
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	22.09 ug/L	1466760	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5		Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

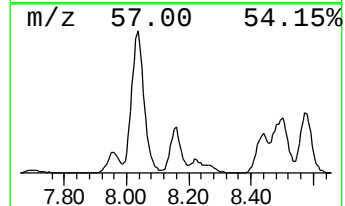
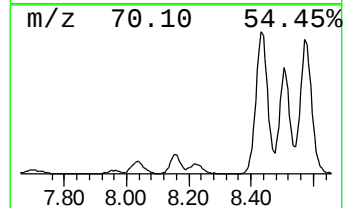
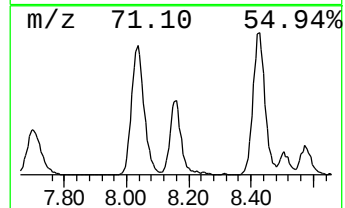
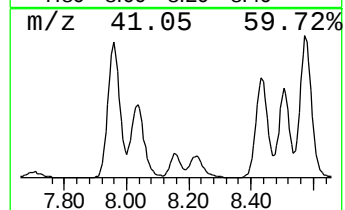
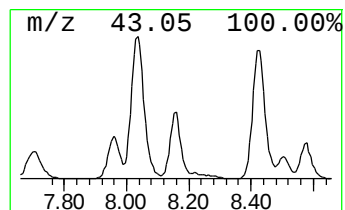
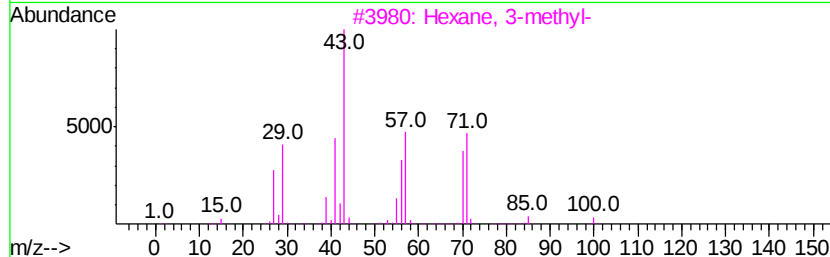
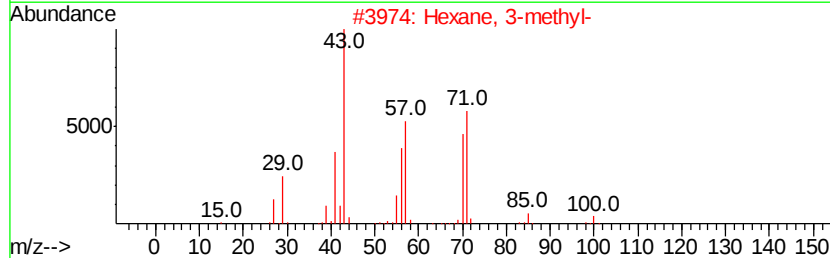
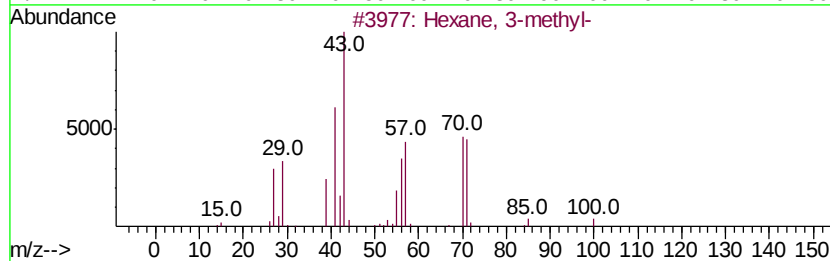
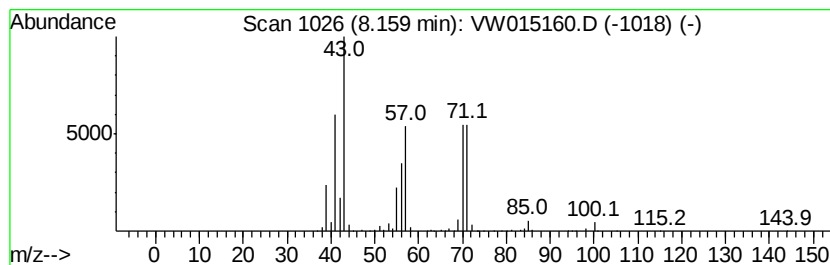
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	7.37 ug/L	489471	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

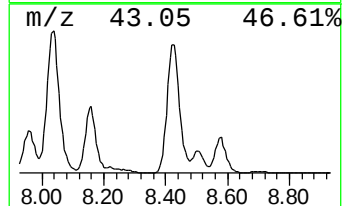
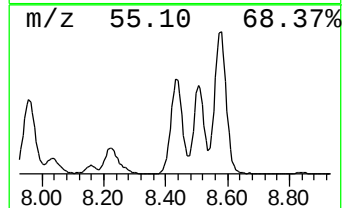
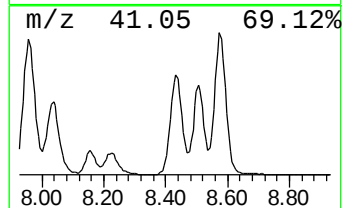
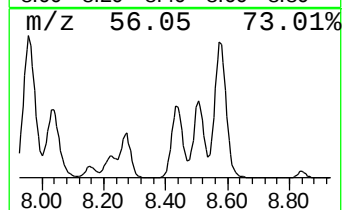
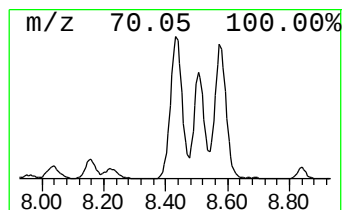
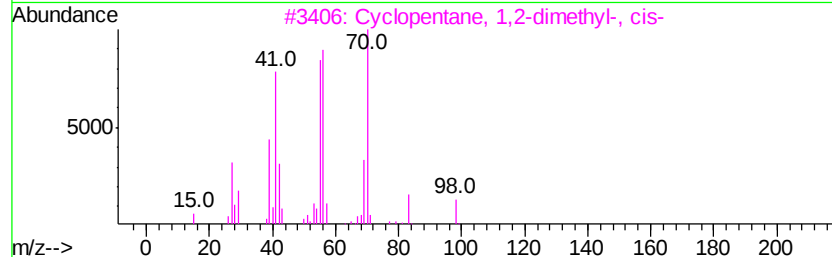
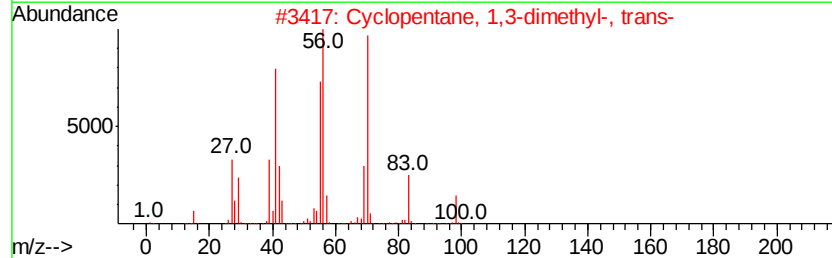
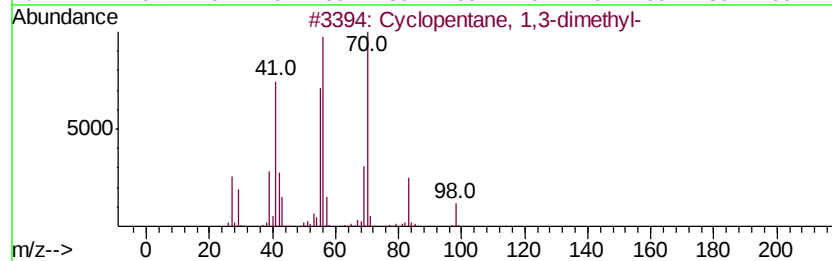
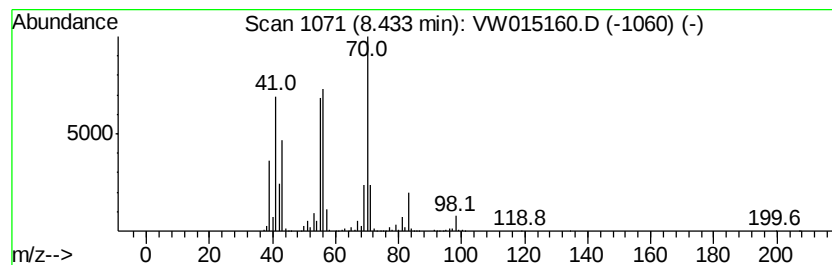
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic8.43 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	36.41 ug/L	2417460	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

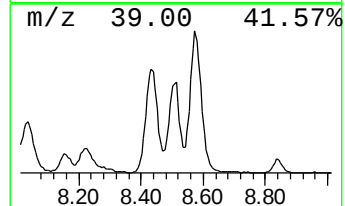
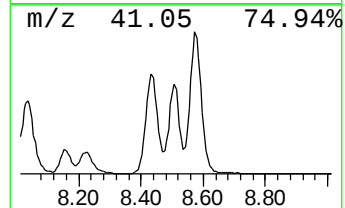
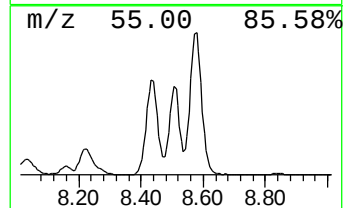
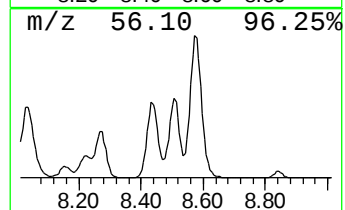
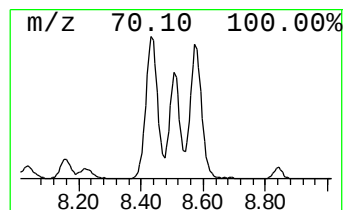
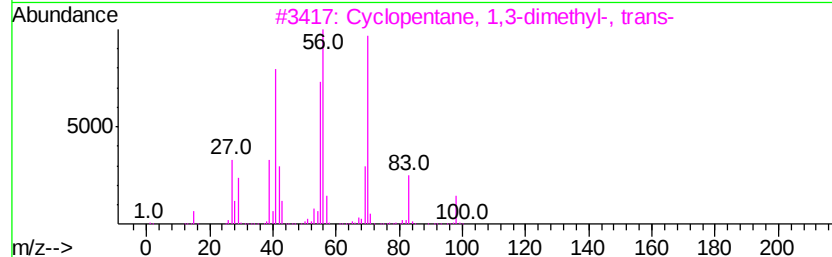
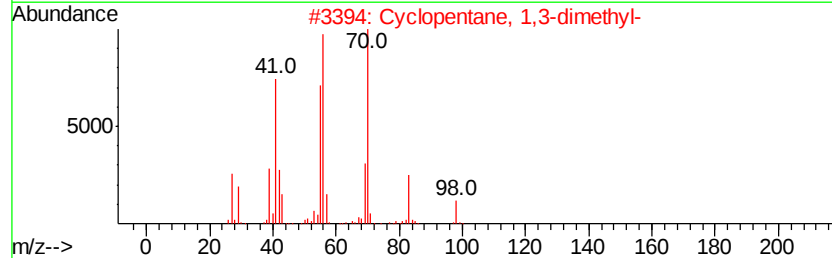
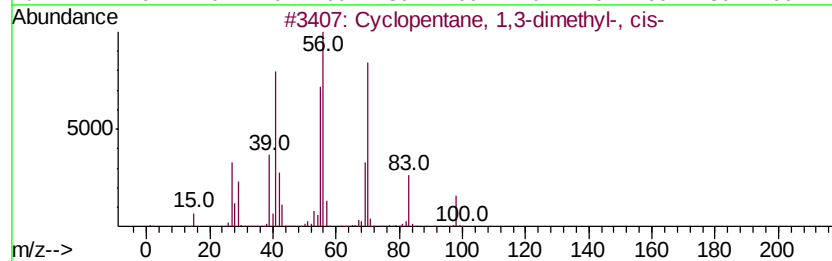
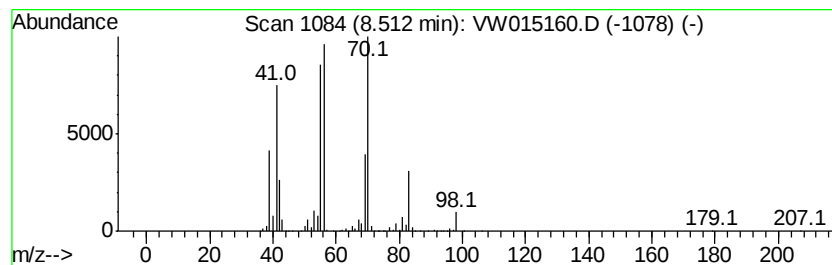
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic8.51 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.51	26.24 ug/L	1742260	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cvclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cvclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cvclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78
5	Cvclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

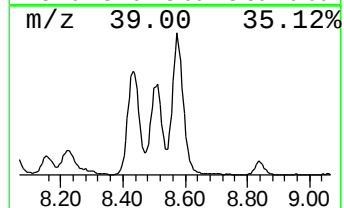
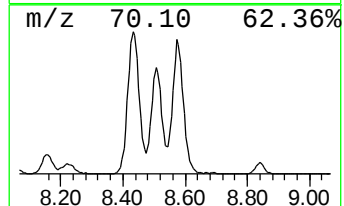
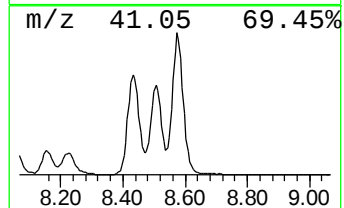
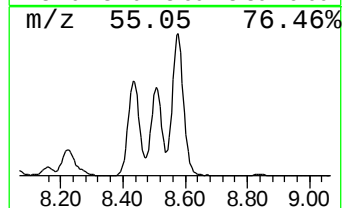
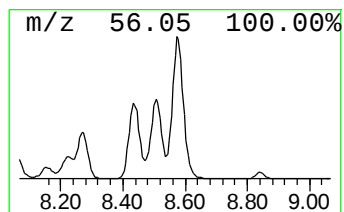
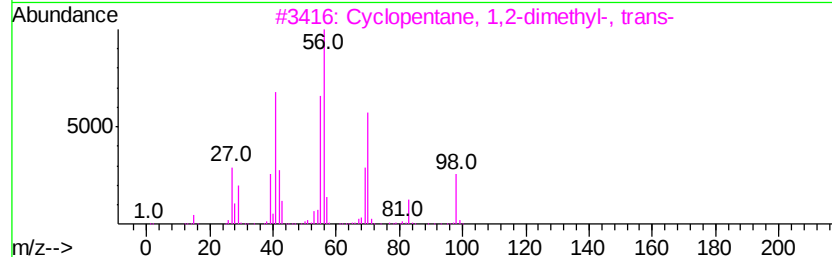
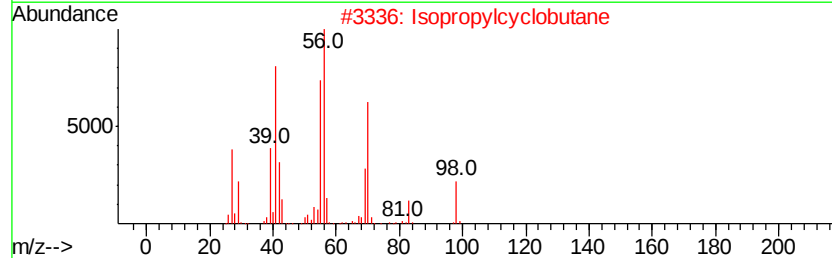
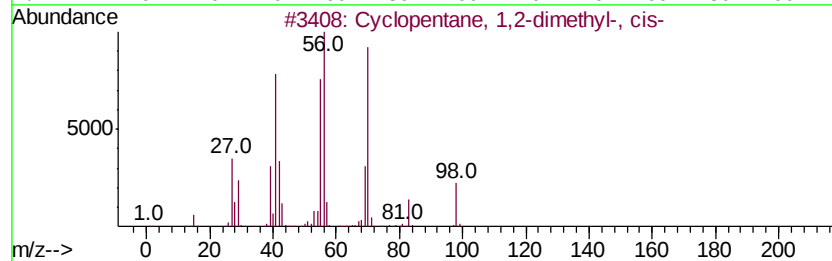
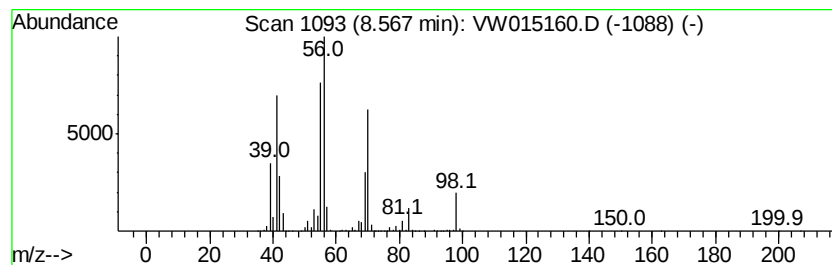
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.57 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	44.40 ug/L	2948390	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	97
2	Isopropylcyclobutane	98	C7H14	000872-56-0	96
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	1-Heptene	98	C7H14	000592-76-7	90
5	1-Heptene	98	C7H14	000592-76-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

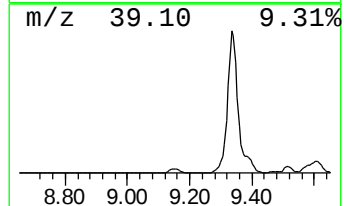
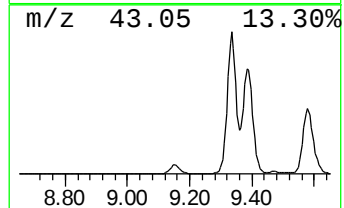
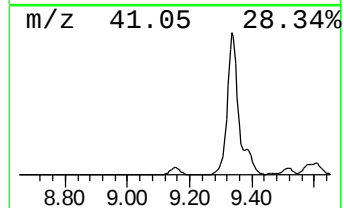
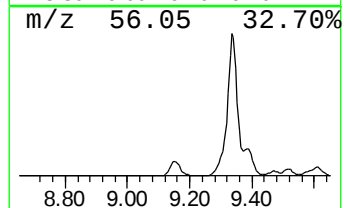
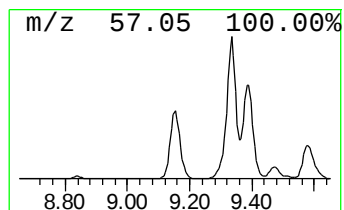
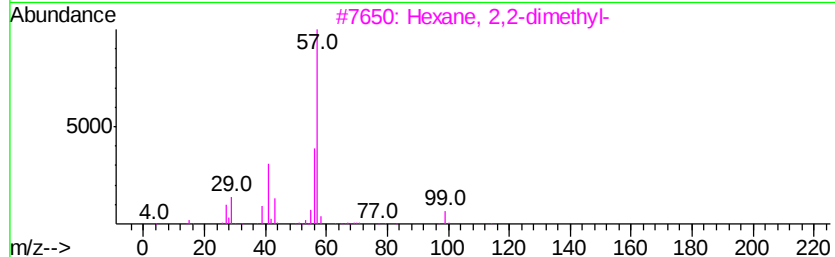
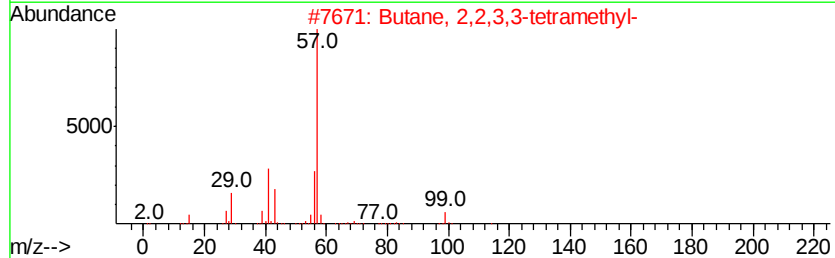
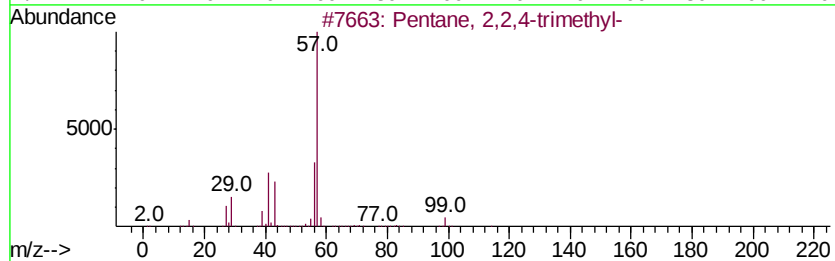
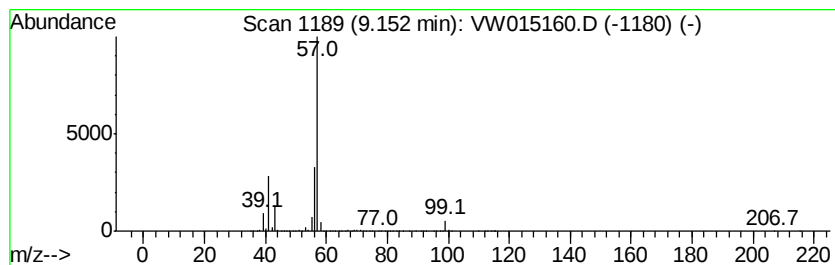
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	90.81 ug/L	6029500	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
3		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
5		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

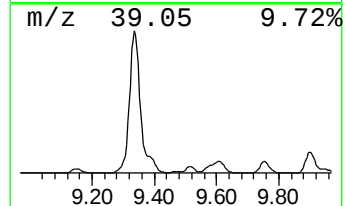
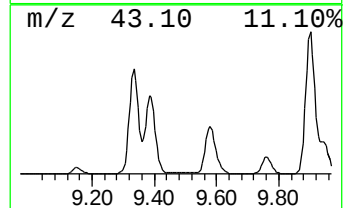
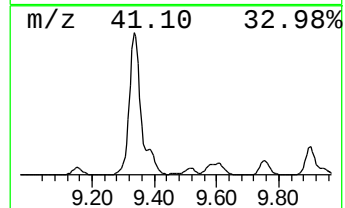
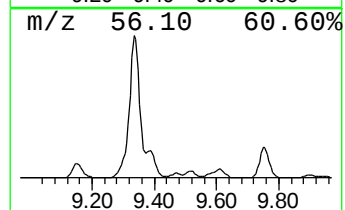
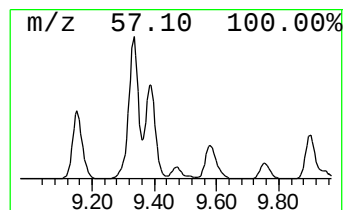
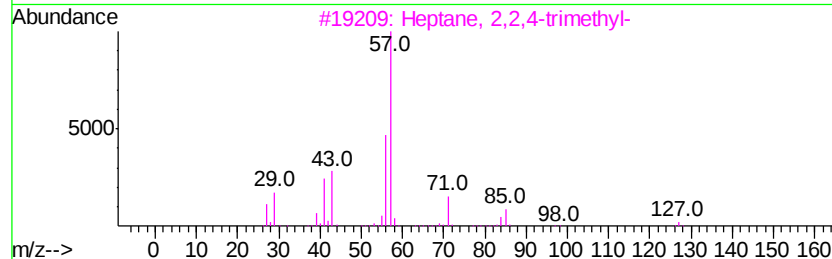
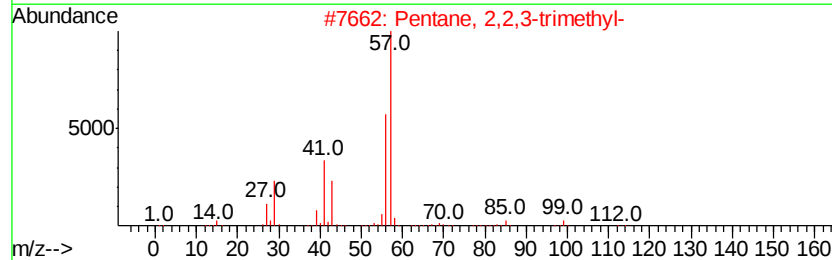
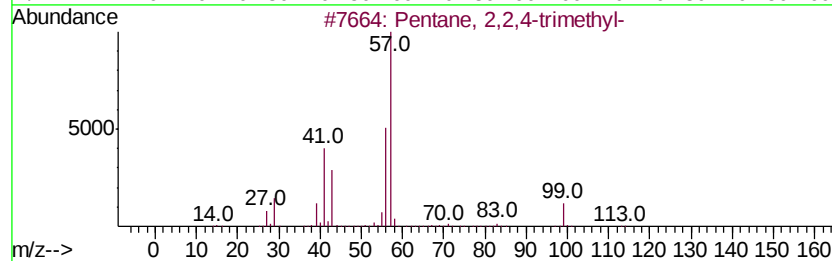
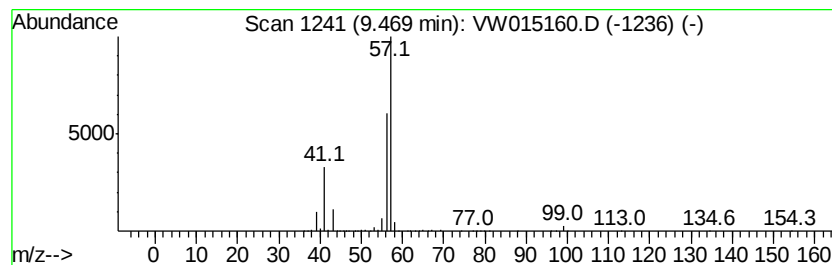
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.47	9.76 ug/L	648249	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
2	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	43
3	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	40
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	40
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	33



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

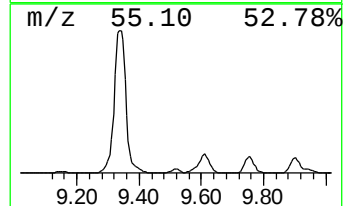
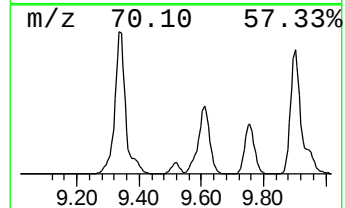
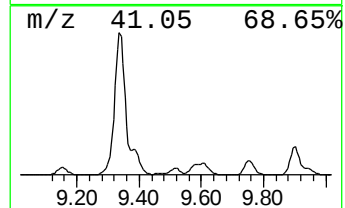
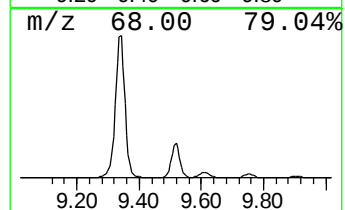
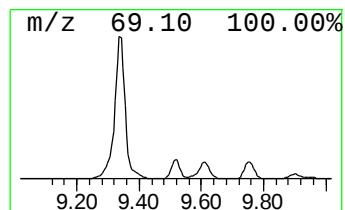
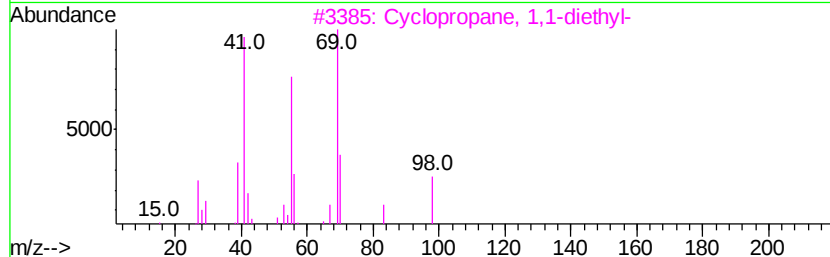
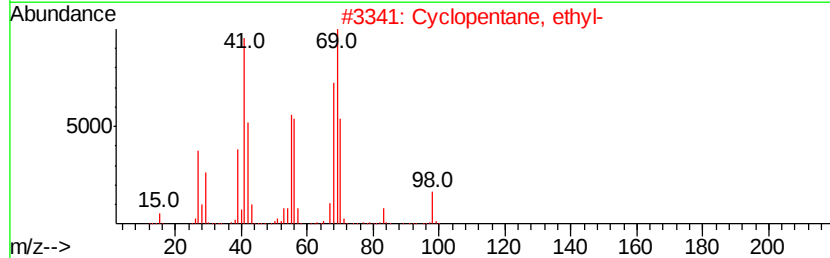
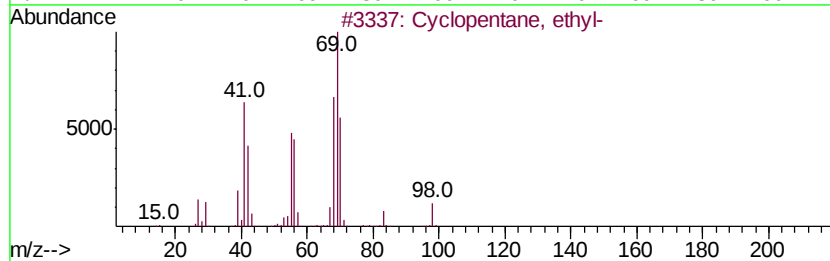
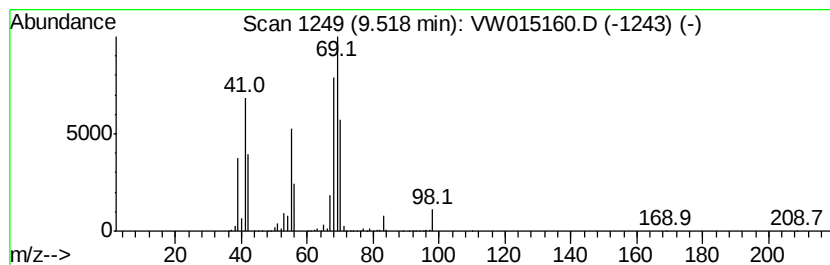
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic9.52 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	50.98 ug/L	3384910	1,4-Difluorobenzene	8.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2		Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
3		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	55
4		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
5		3-Methyl-3-hexene	98	C7H14	003404-65-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

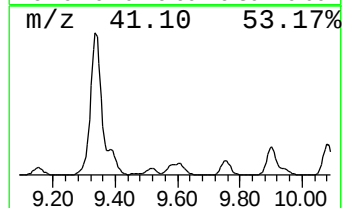
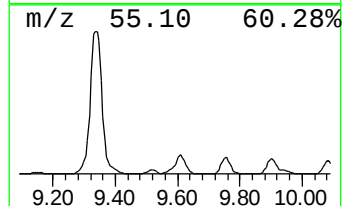
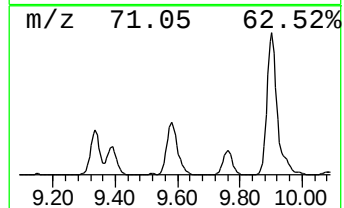
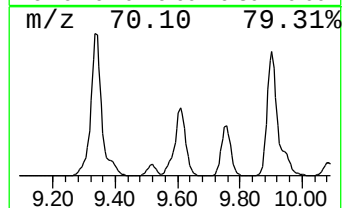
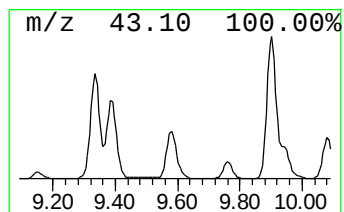
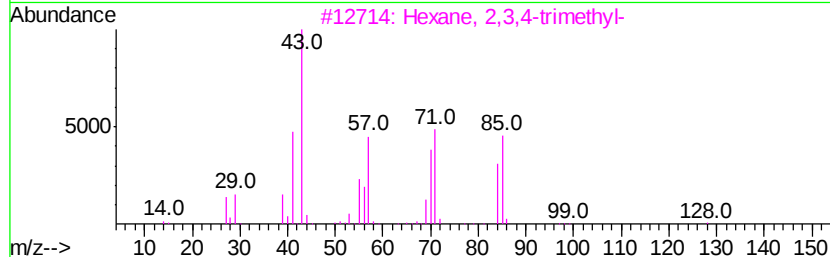
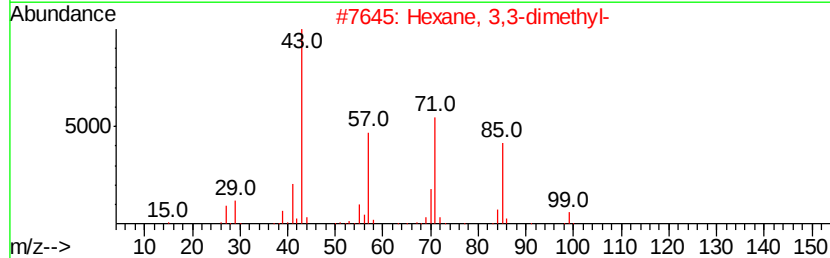
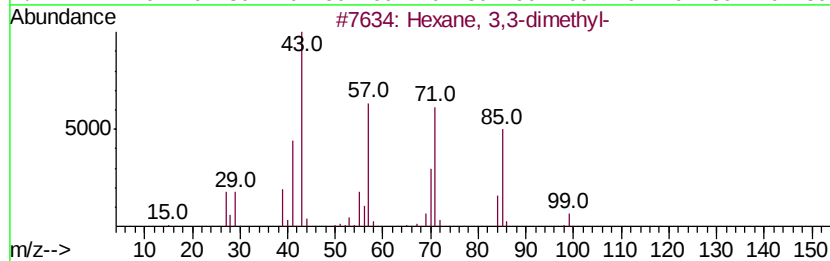
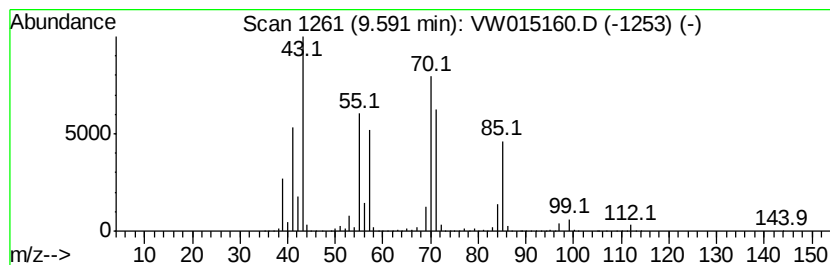
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	136.12 ug/L	9038170	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	80
2		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

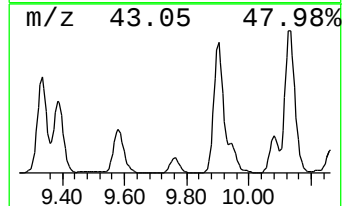
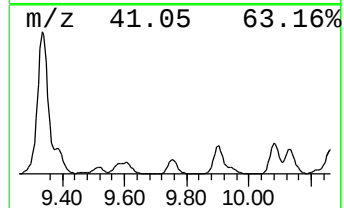
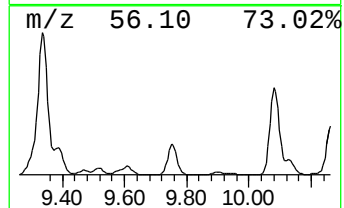
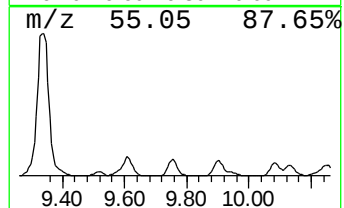
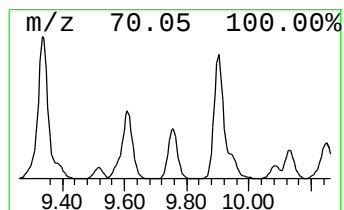
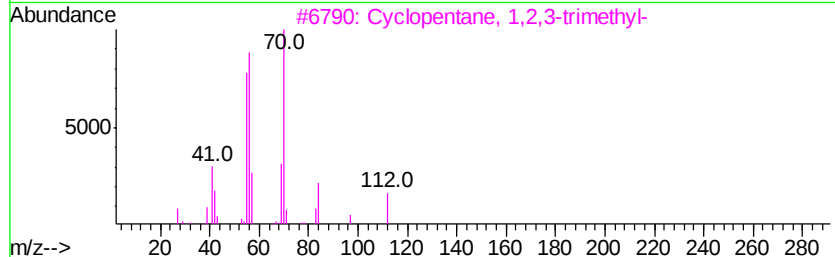
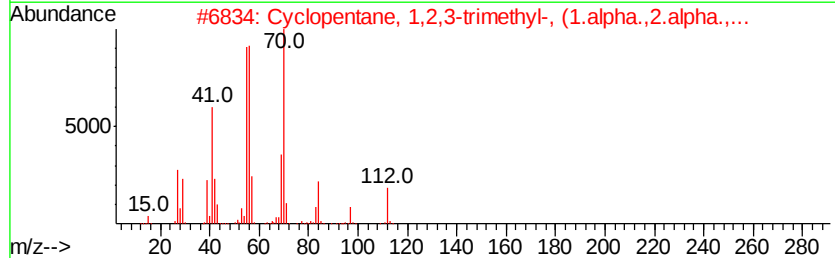
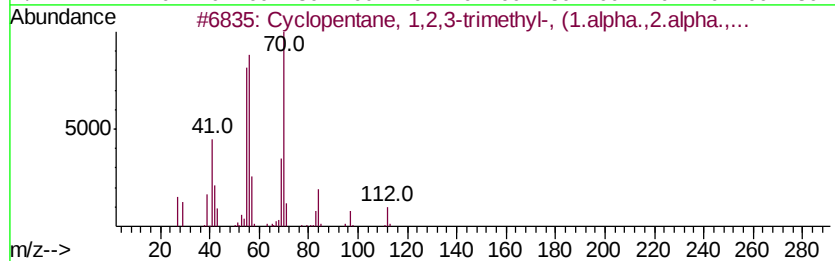
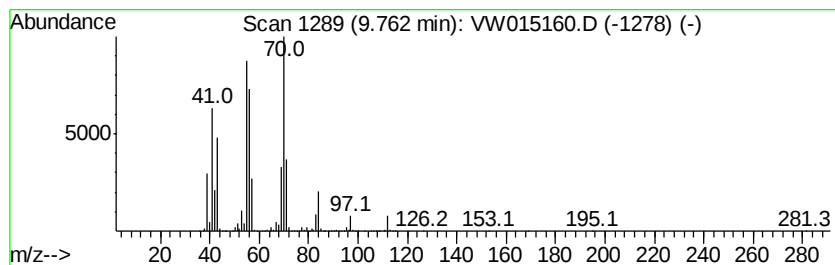
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.76 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	214.32 ug/L	14230800	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002815-57-8	80
4		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	64
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

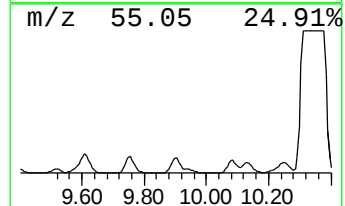
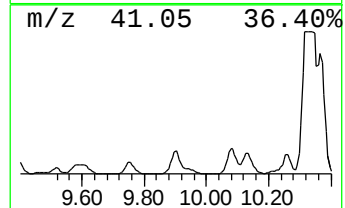
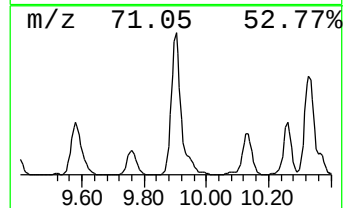
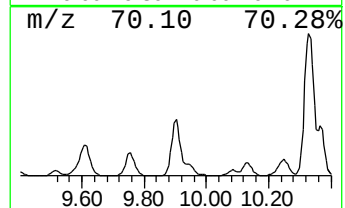
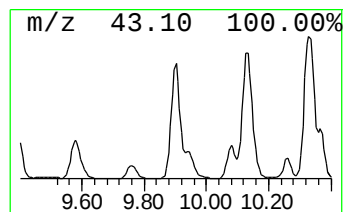
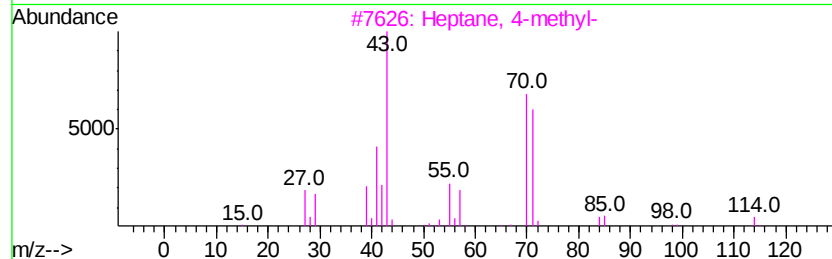
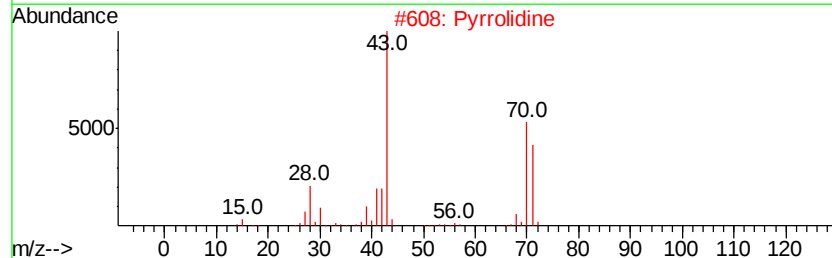
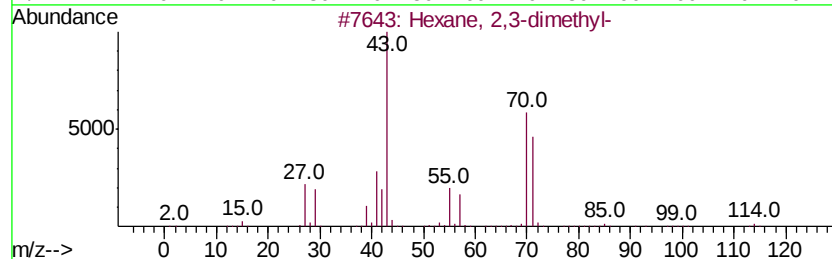
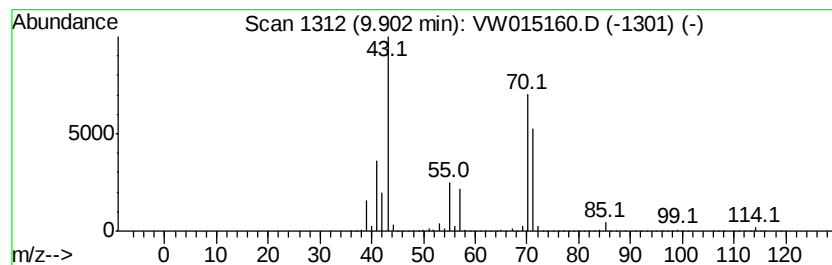
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	444.22 ug/L	29495300	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2		Pyrrolidine	71	C4H9N	000123-75-1	80
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	74
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	74
5		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

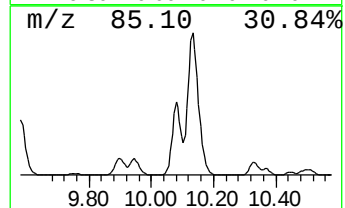
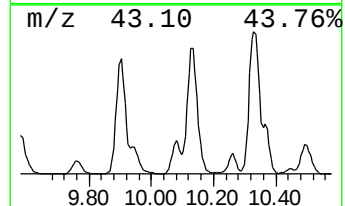
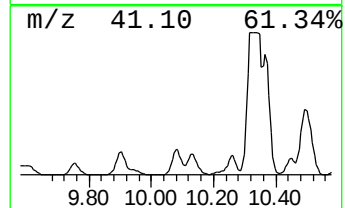
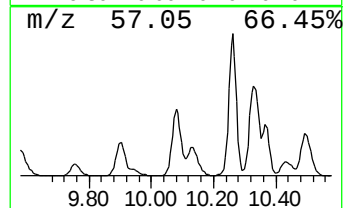
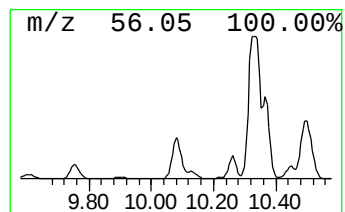
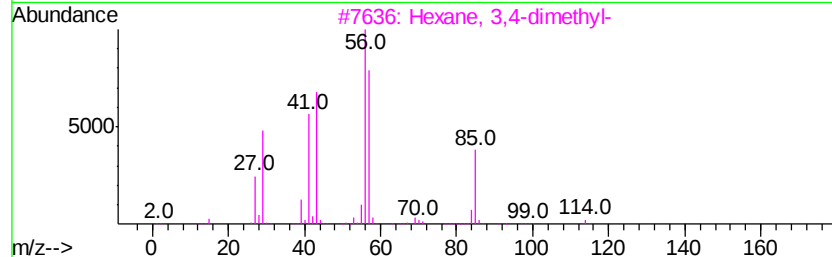
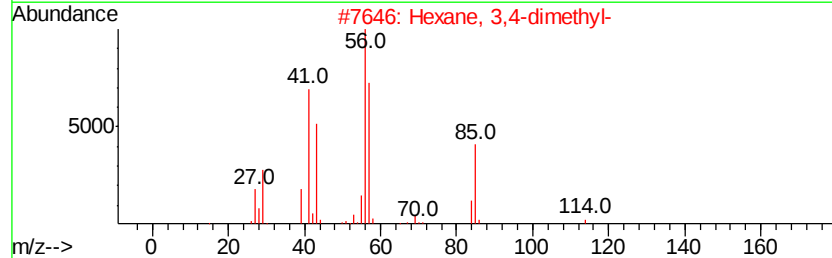
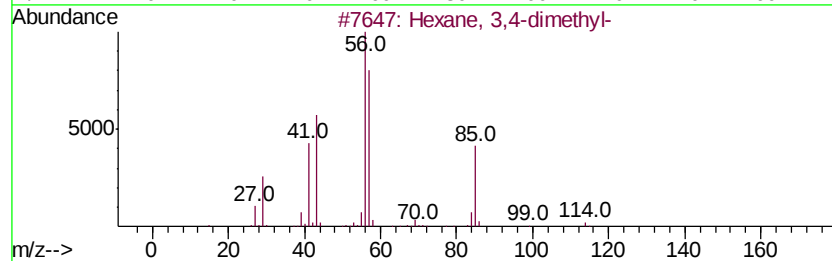
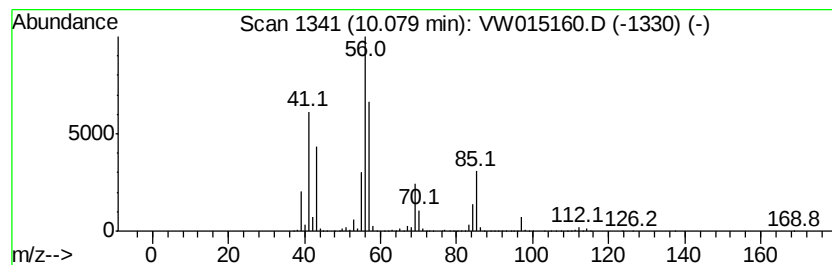
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	348.59 ug/L	23145900	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	72
2		Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	72
3		Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64
4		1-Heptene, 2-methyl-	112	C8H16	015870-10-7	64
5		2-Isopropyl-3-vinyloxirane	112	C7H12O	070777-23-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

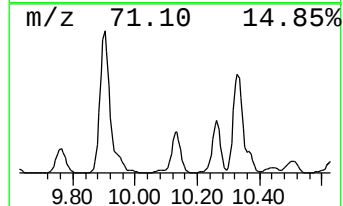
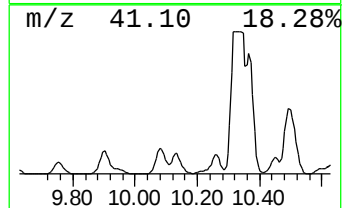
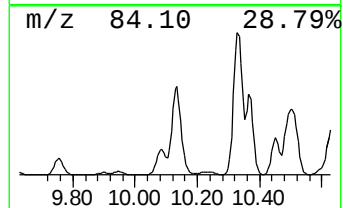
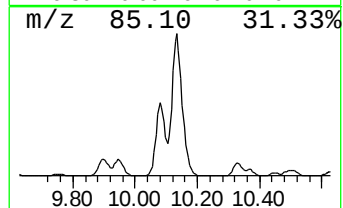
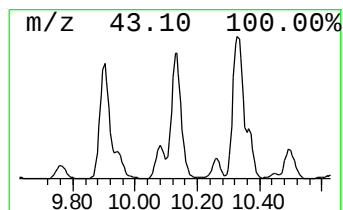
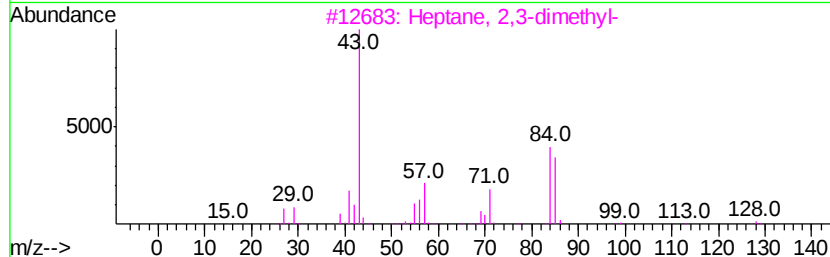
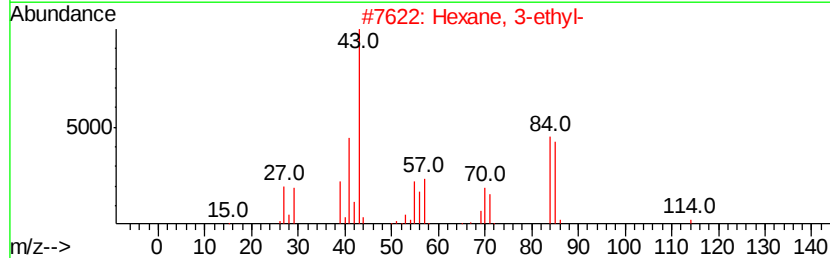
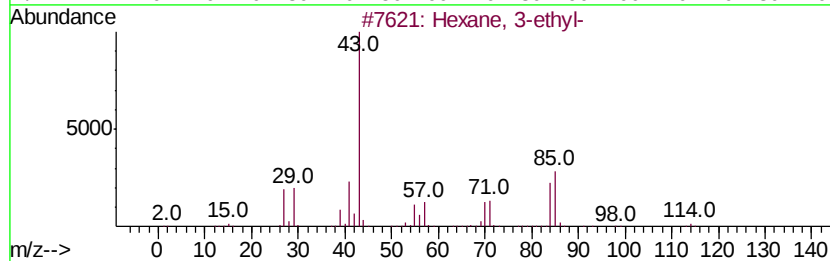
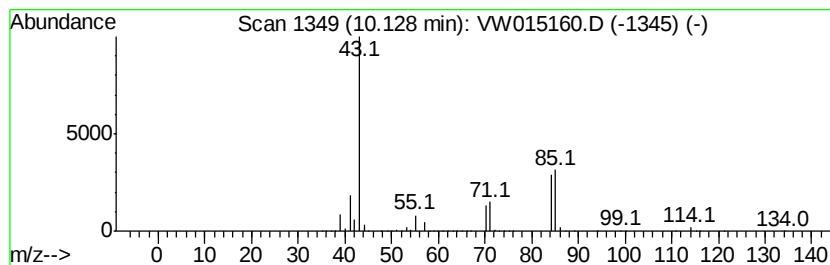
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	405.86 ug/L	26948500	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	86
2		Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
5		Octane, 4-methyl-	128	C9H20	002216-34-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

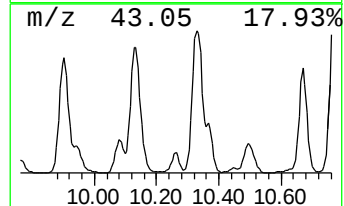
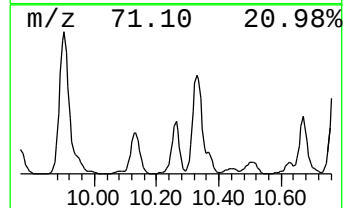
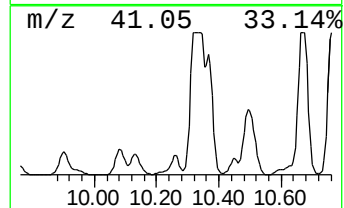
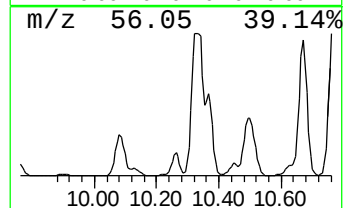
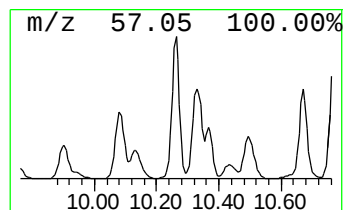
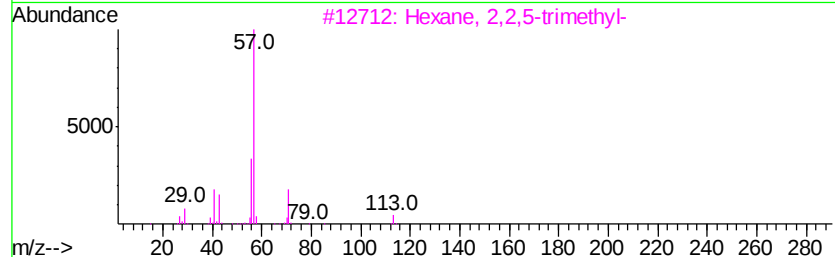
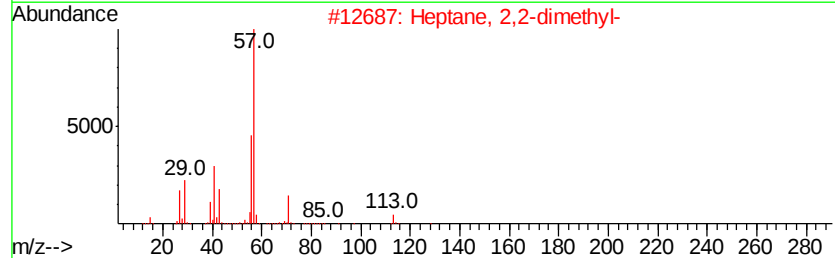
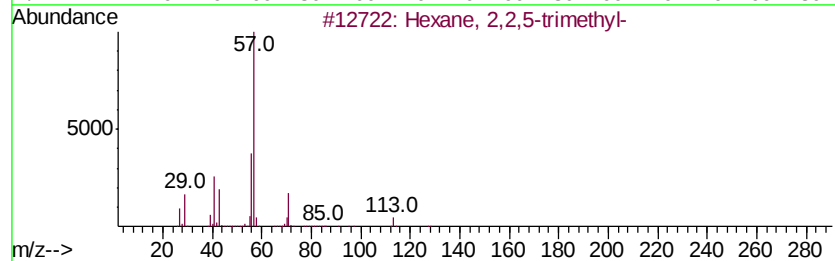
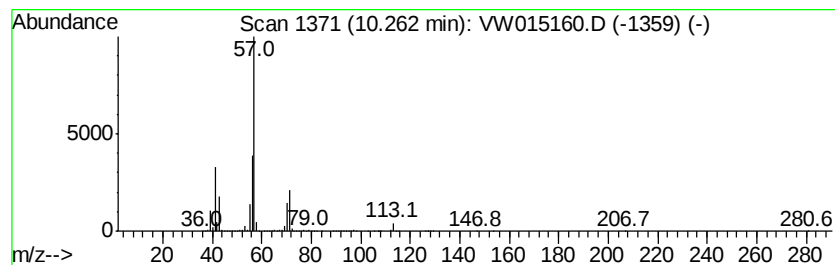
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	116.73 ug/L	21643600	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	72
3		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
4		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
5		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

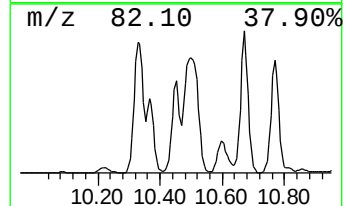
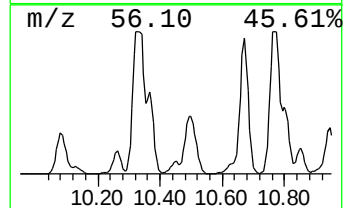
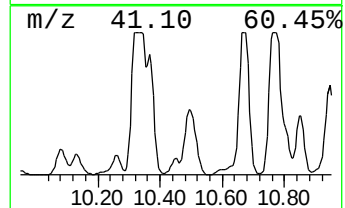
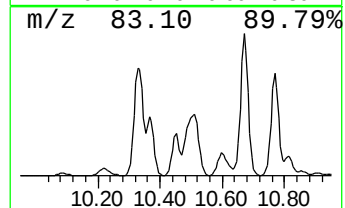
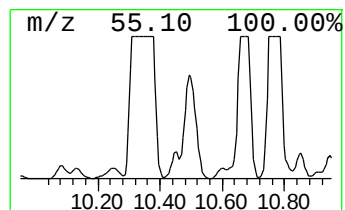
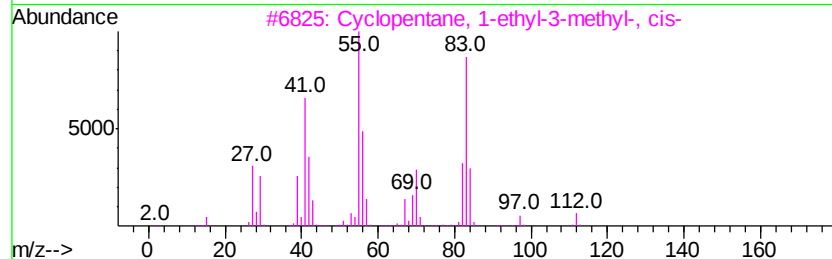
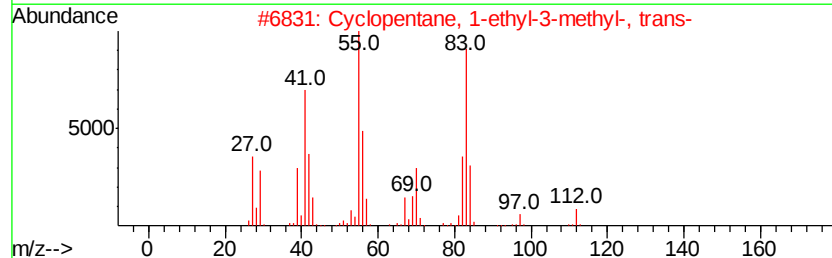
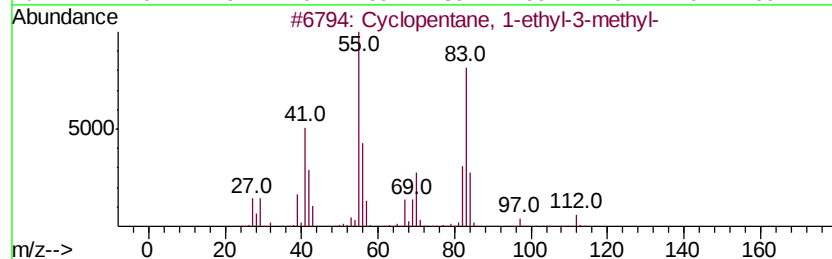
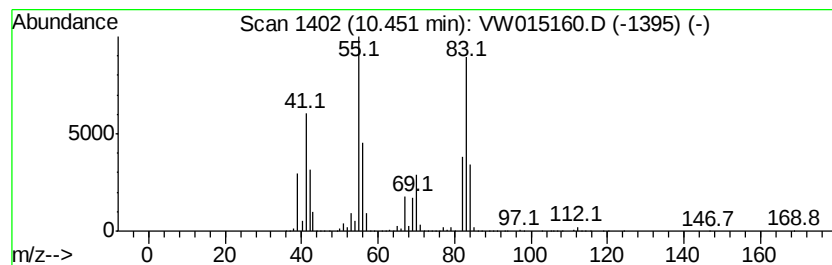
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.45 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	76.51 ug/L	14186800	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	90
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	83
3			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	83
4			Cyclohexane, methyl-	98	C7H14	000108-87-2	64
5			1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

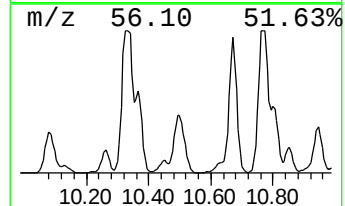
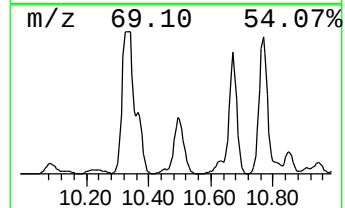
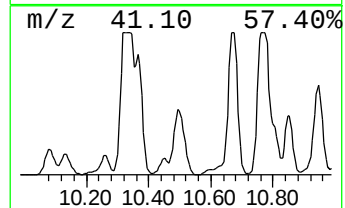
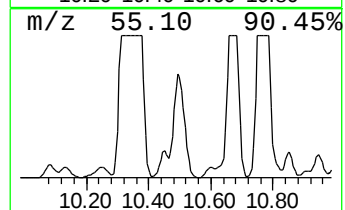
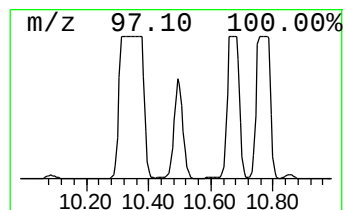
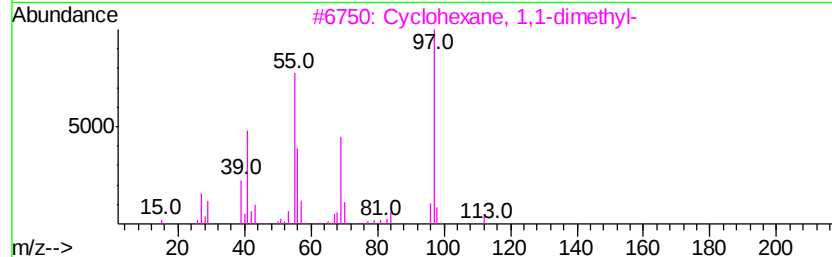
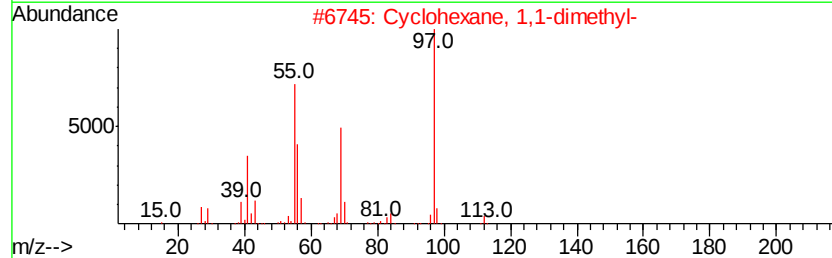
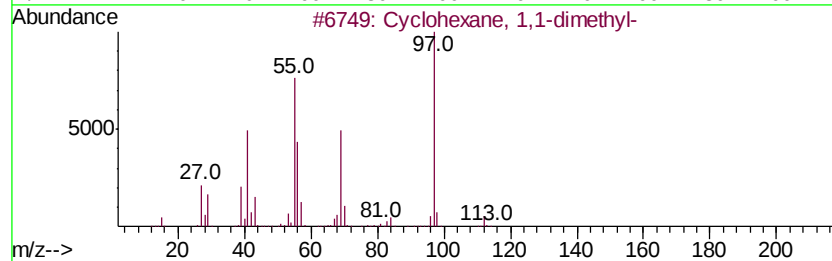
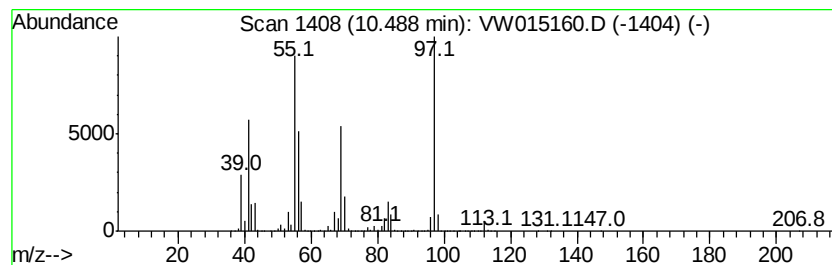
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.49 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	496.72 ug/L	92102600	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
2	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	90
3	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
4	Cvclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80
5	Cvclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

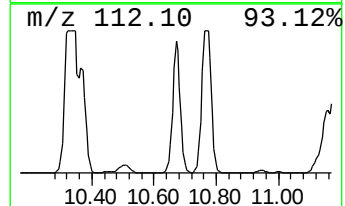
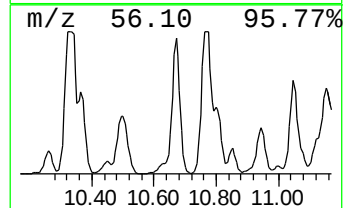
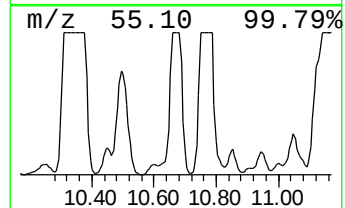
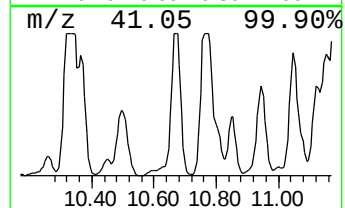
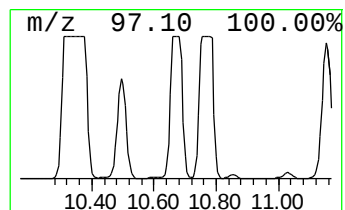
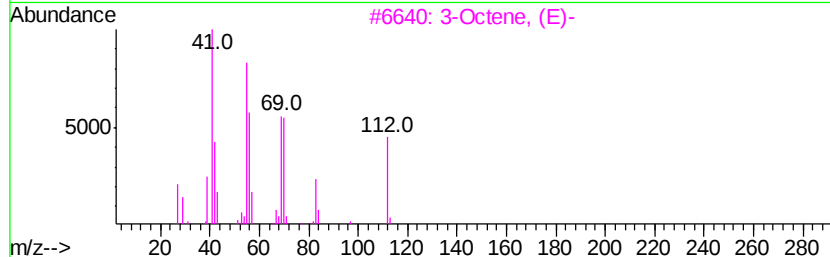
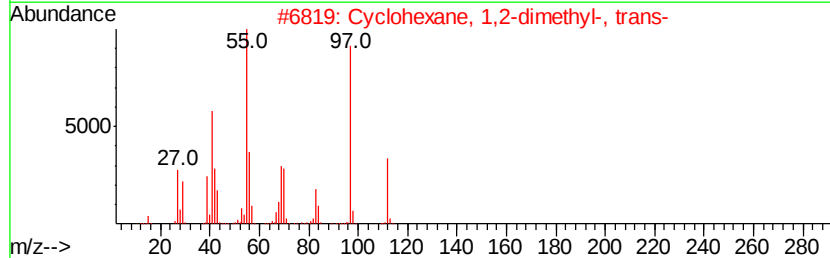
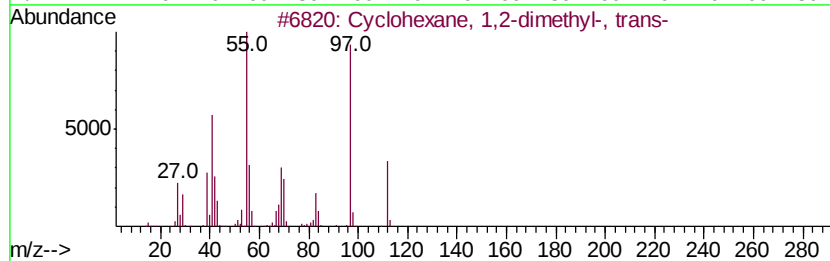
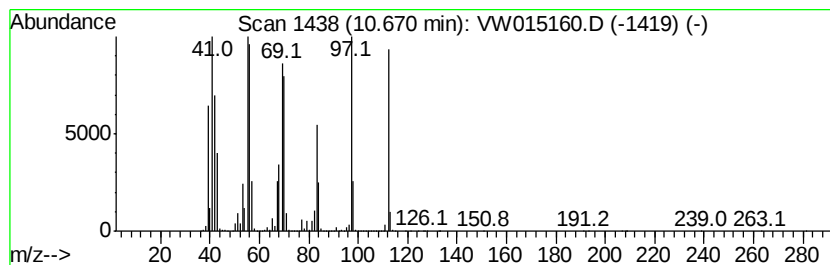
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic10.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	1188.68 ug/L	220405000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3		3-Octene, (E)-	112	C8H16	014919-01-8	81
4		4-Octene, (E)-	112	C8H16	014850-23-8	81
5		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

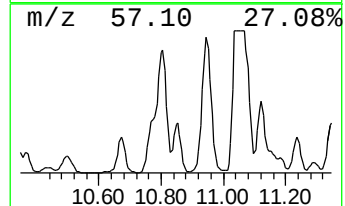
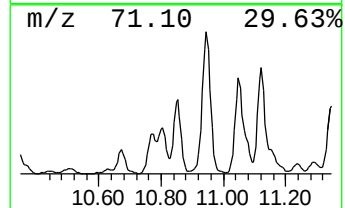
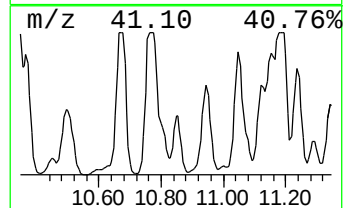
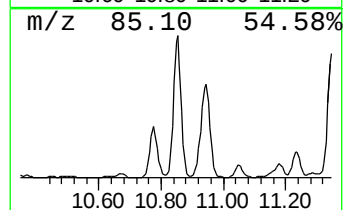
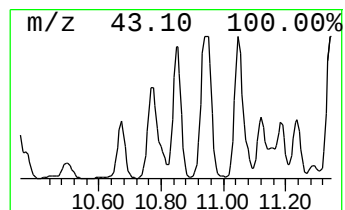
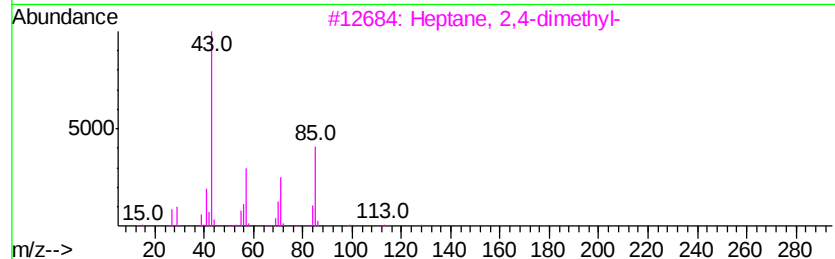
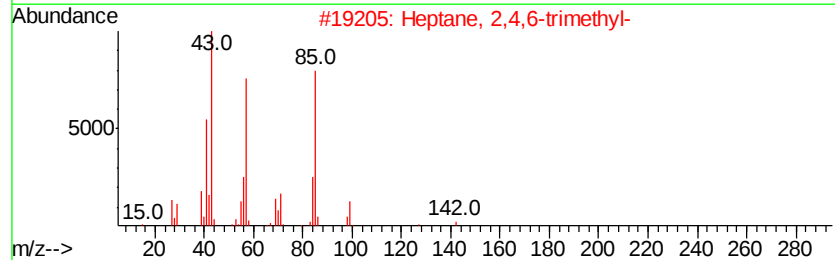
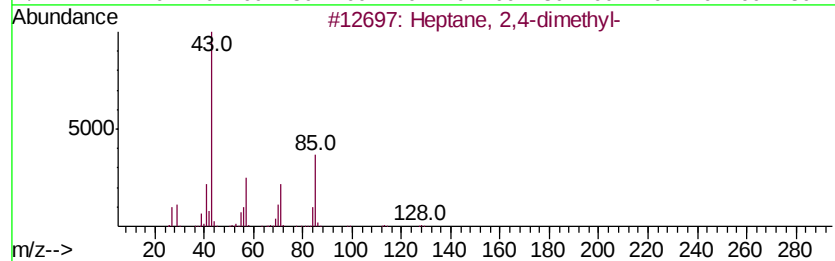
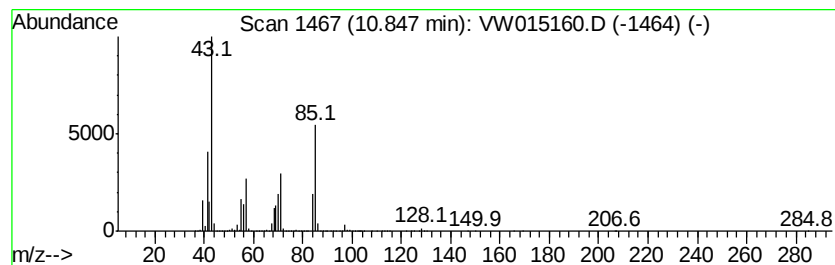
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	297.95 ug/L	55246500	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	68
2		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	53
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

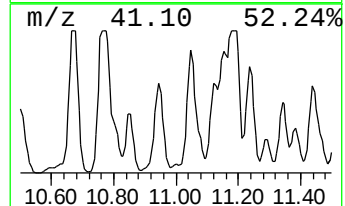
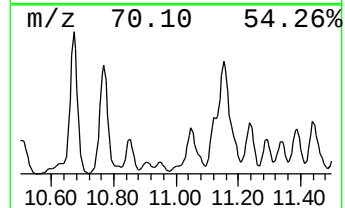
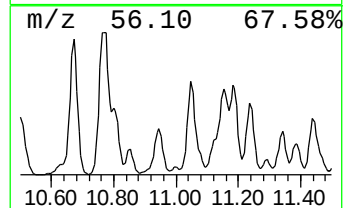
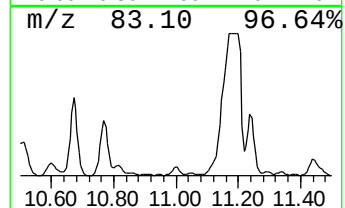
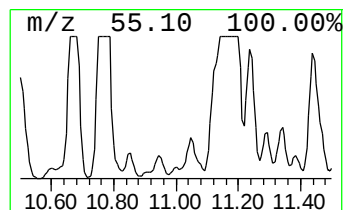
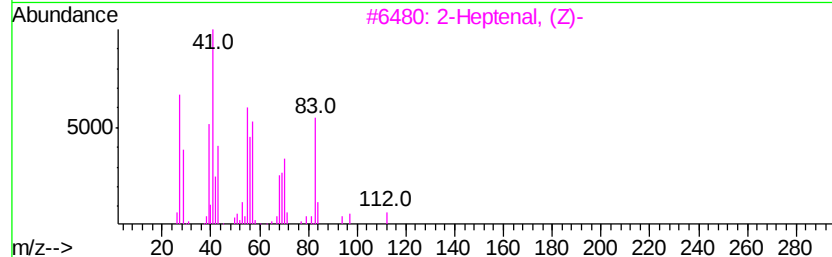
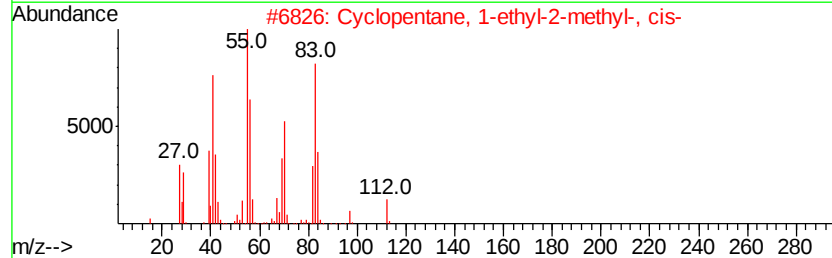
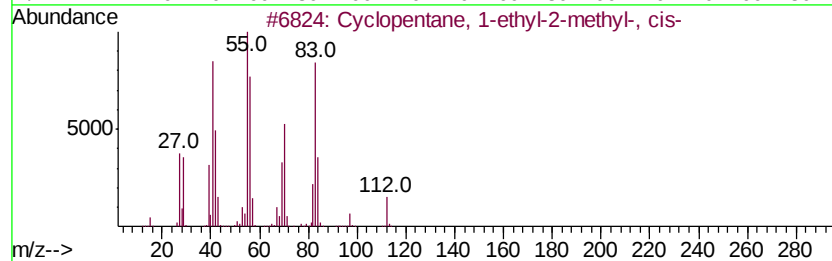
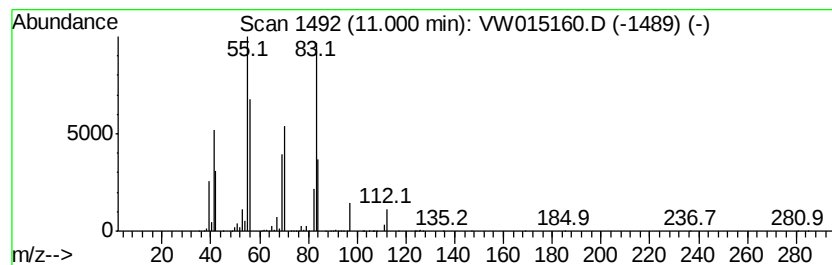
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic11.00 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	11.01 ug/L	2042030	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	91
2		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	83
3		2-Heptenal, (Z)-	112	C7H12O	057266-86-1	80
4		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
5		(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

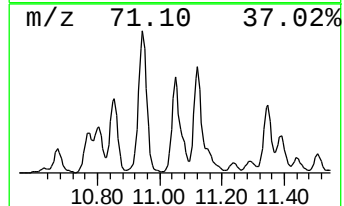
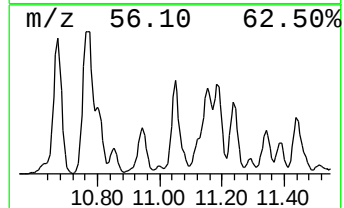
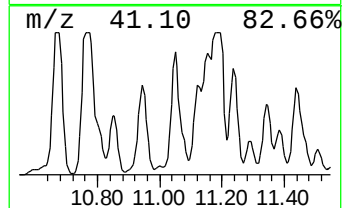
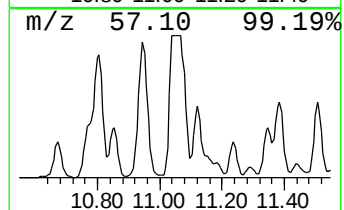
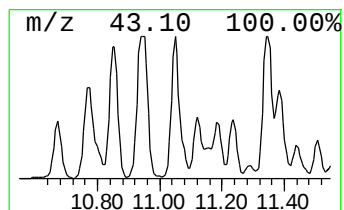
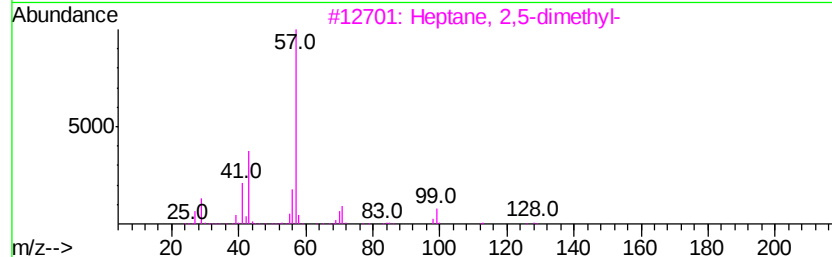
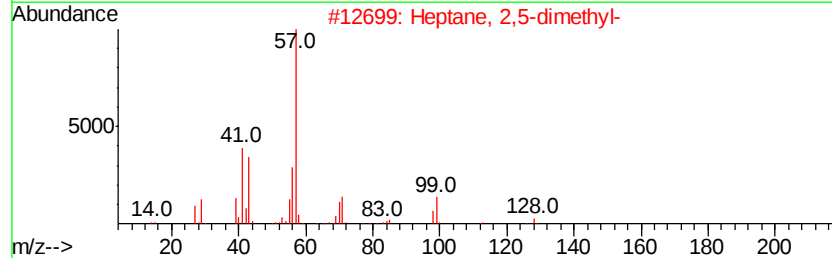
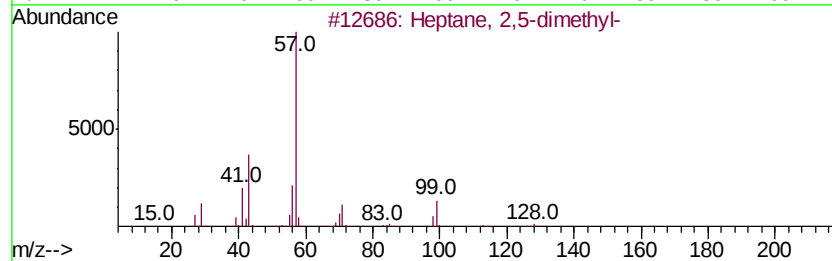
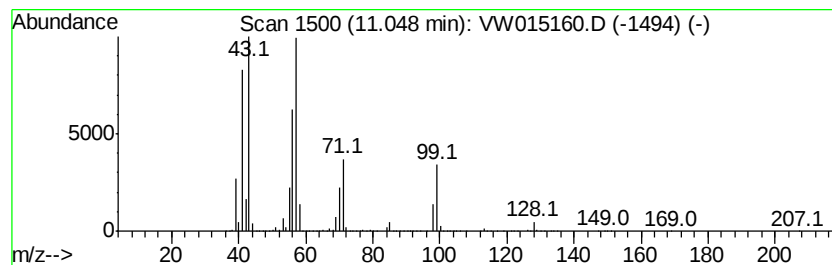
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	585.19 ug/L	108507000	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87	
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76	
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70	
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64	
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64	



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

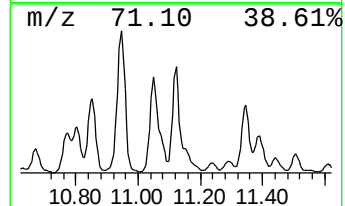
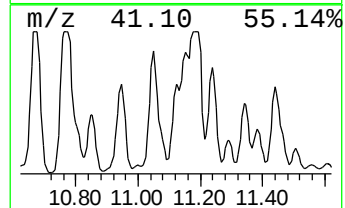
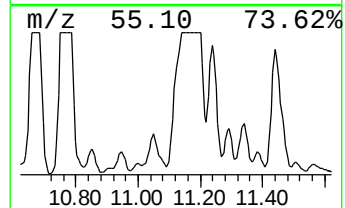
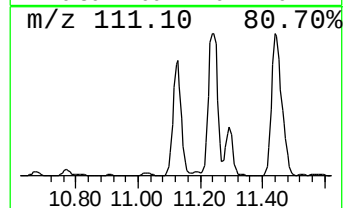
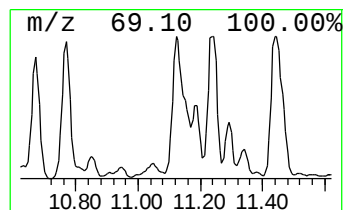
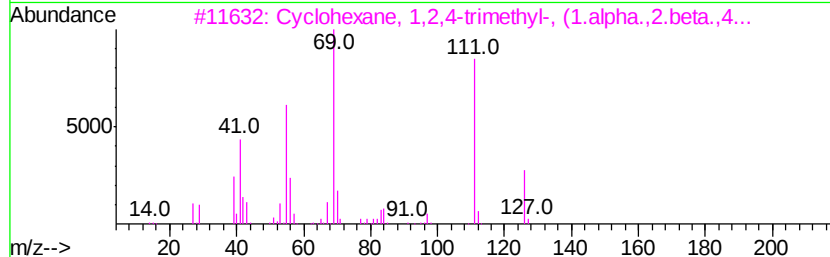
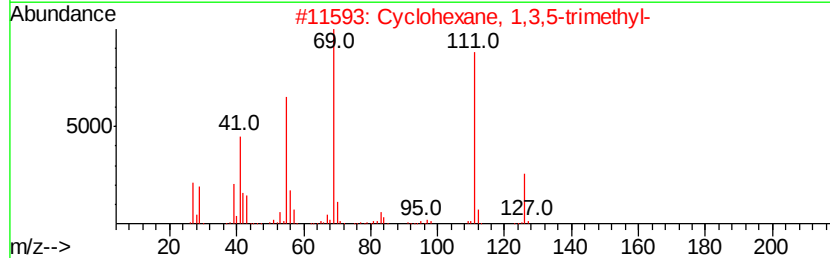
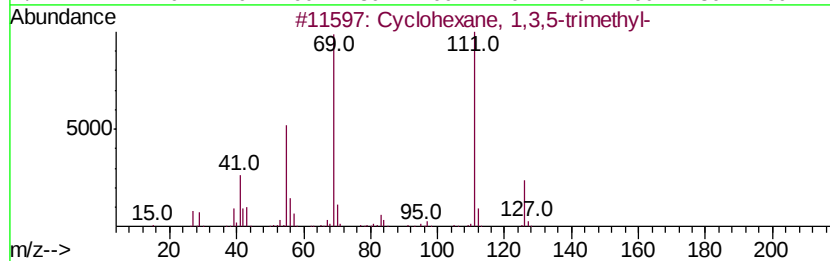
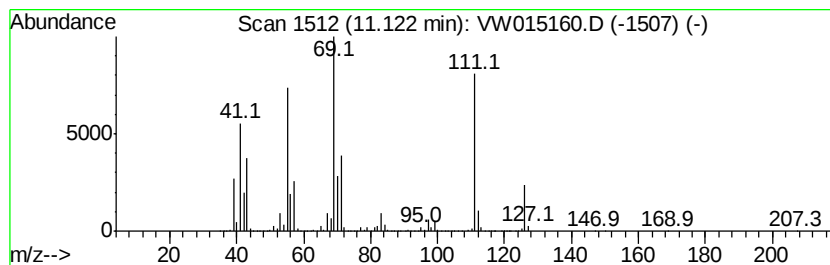
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic11.12 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	438.46 ug/L	81298900	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	76
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

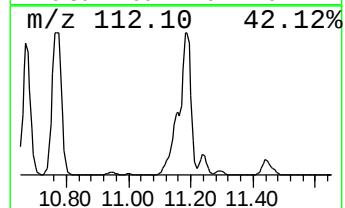
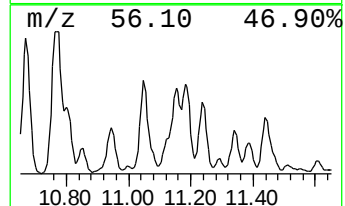
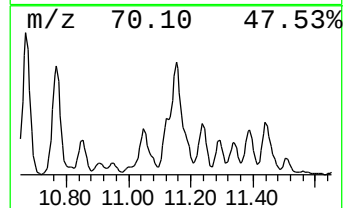
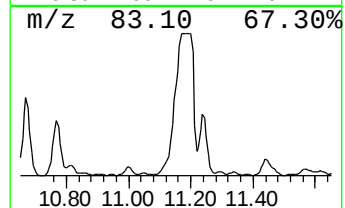
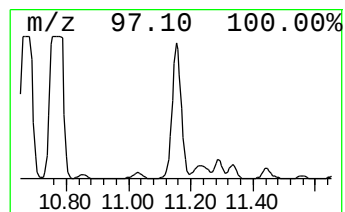
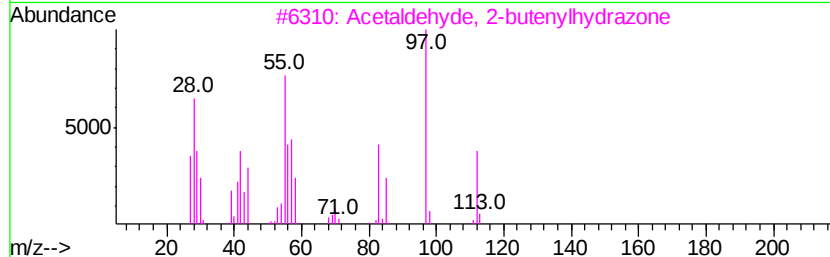
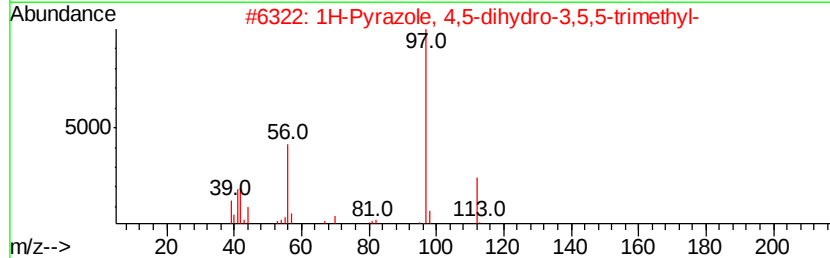
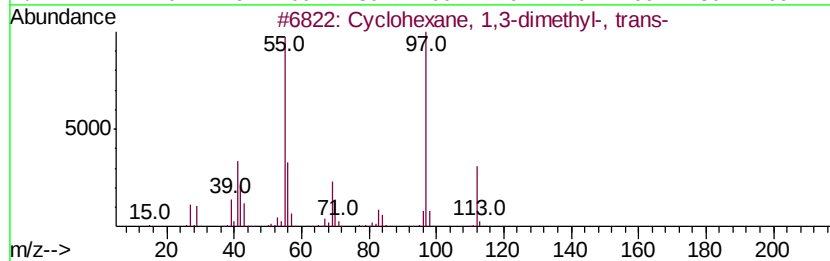
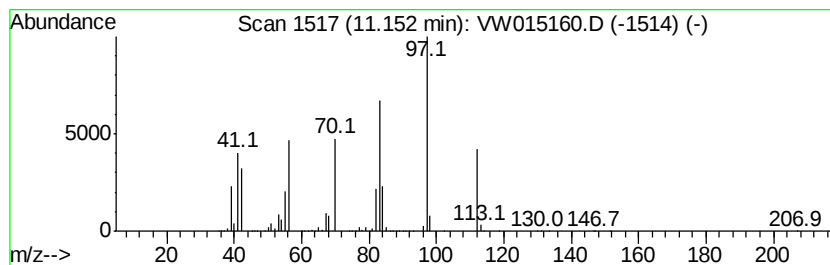
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.15 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	397.76 ug/L	73751800	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
2		1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	49
3		Acetaldehyde, 2-butenylhydrazone	112	C6H12N2	075268-07-4	40
4		Cyclohexene, 1-(1,1-dimethyletho...	168	C11H20O	040648-24-6	38
5		2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

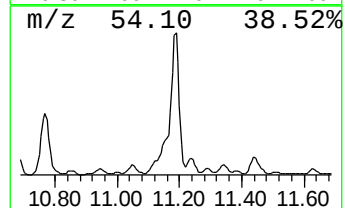
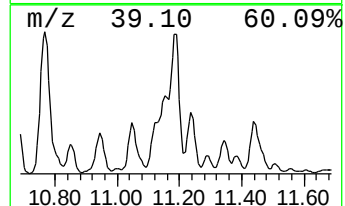
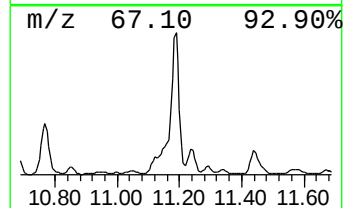
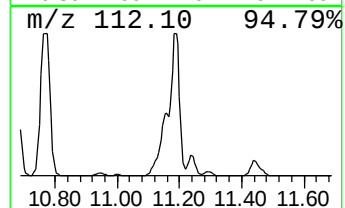
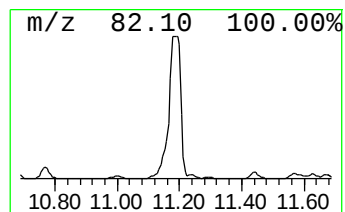
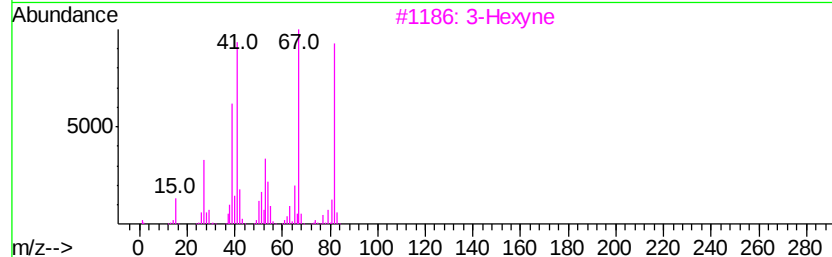
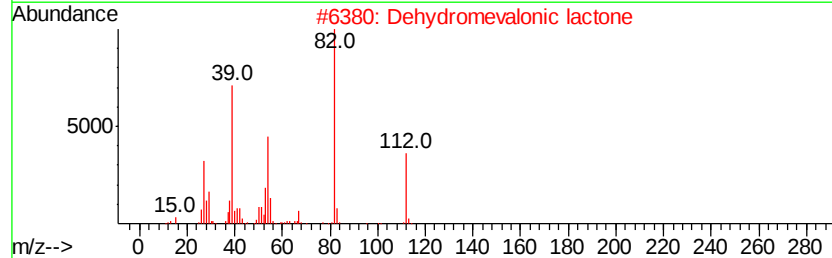
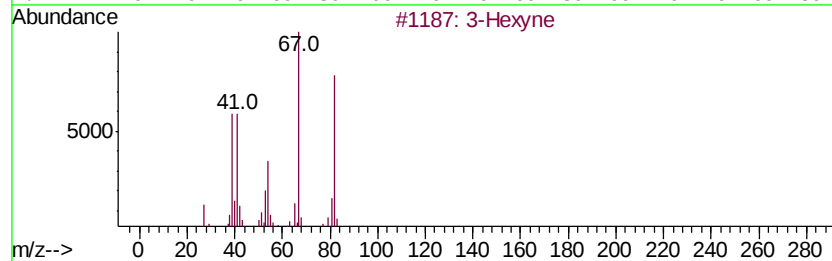
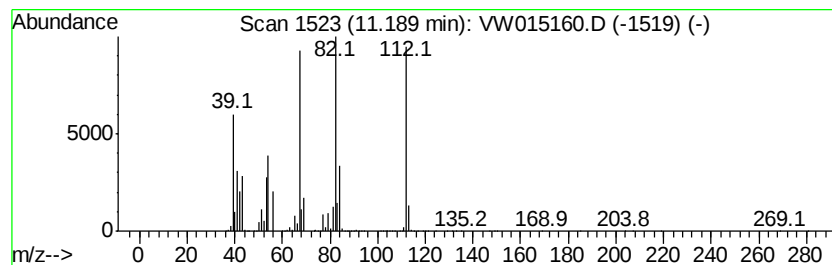
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 23 3-Hexyne Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	951.04 ug/L	176343000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Hexyne	82	C6H10	000928-49-4	52
2		Dehydromevalonic lactone	112	C6H8O2	002381-87-5	47
3		3-Hexyne	82	C6H10	000928-49-4	47
4		1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	47
5		1,3-Pentadiene, 2-methyl-	82	C6H10	001118-58-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

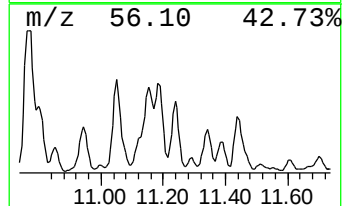
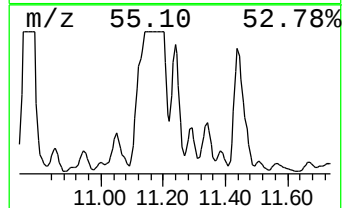
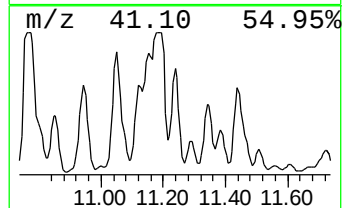
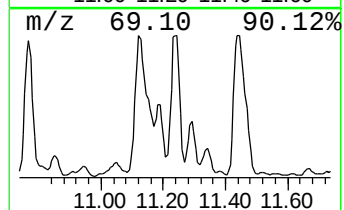
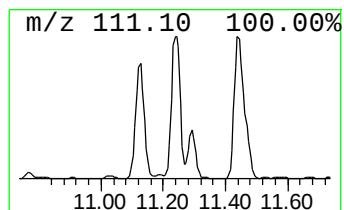
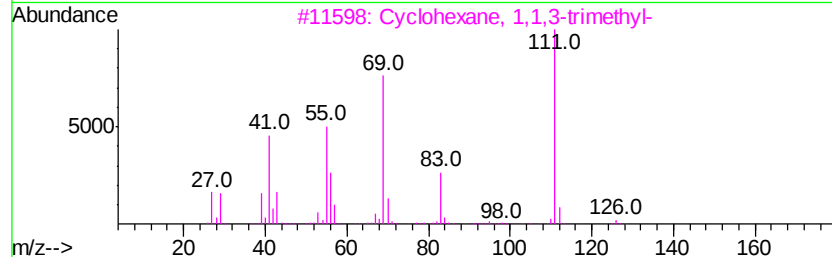
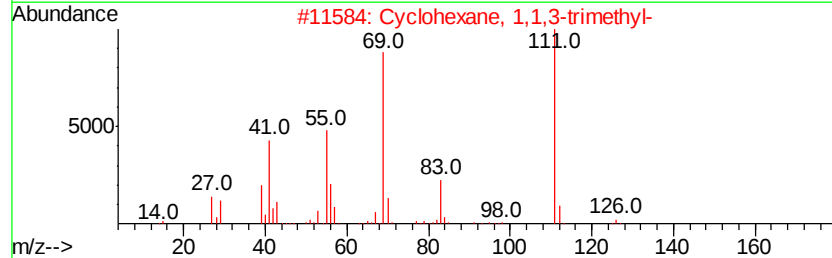
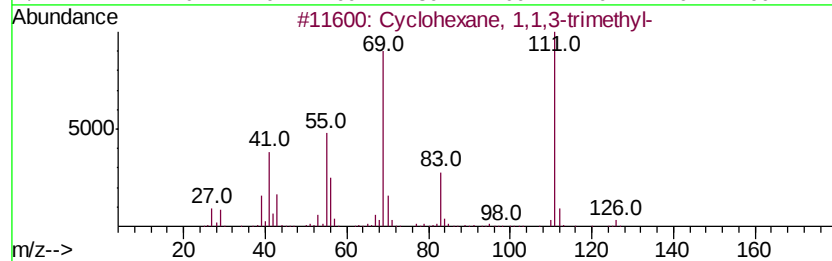
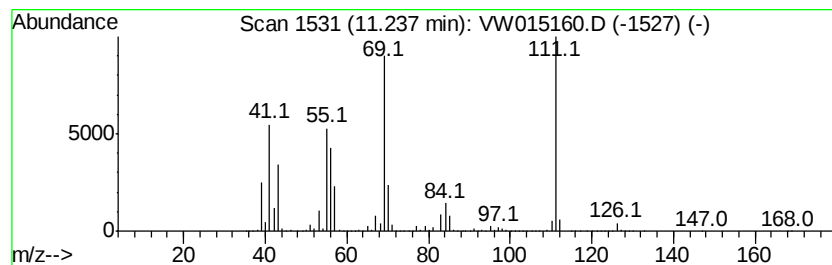
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.24 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.24	533.85 ug/L	98985900	Chlorobenzene-d5		11.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

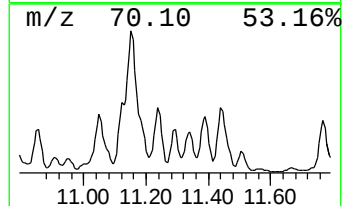
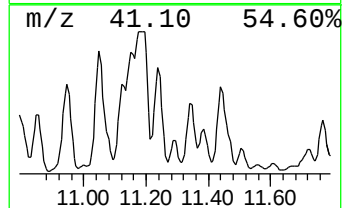
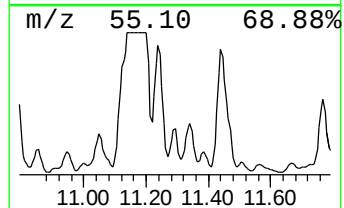
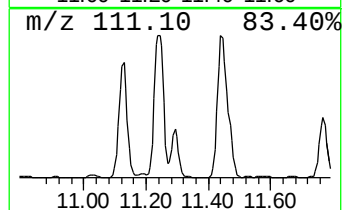
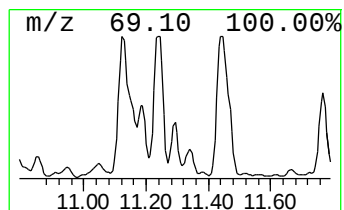
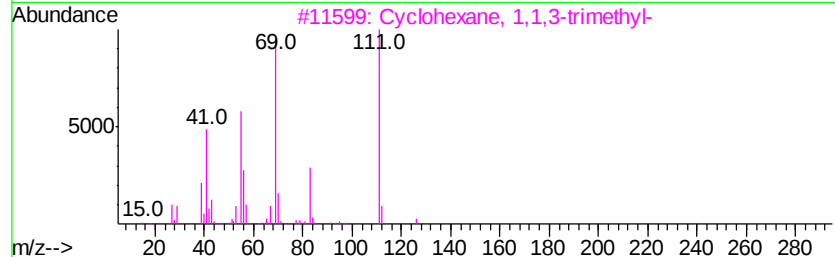
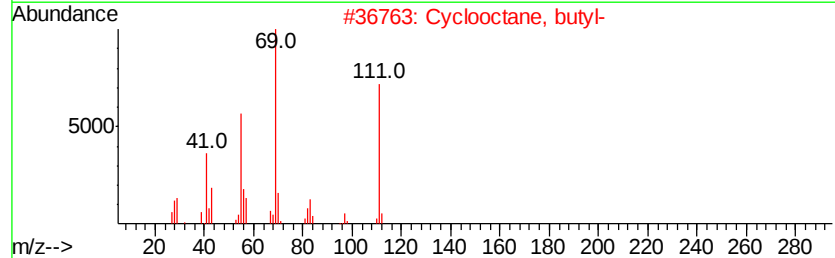
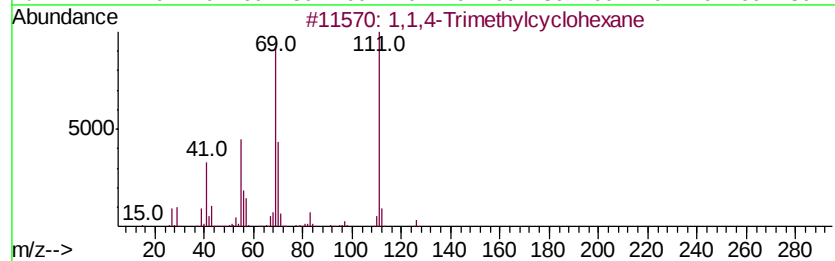
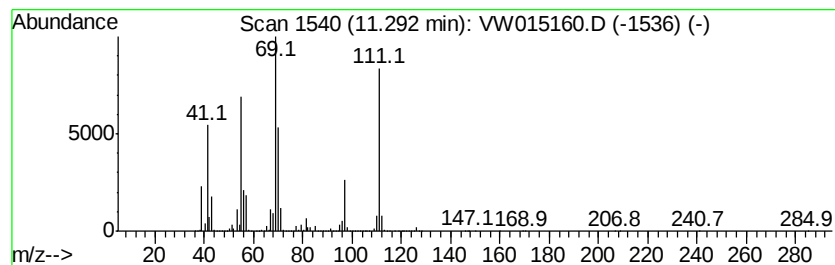
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	101.05 ug/L	18736900	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	90
2		Cyclooctane, butyl-	168	C12H24	016538-93-5	59
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
5		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

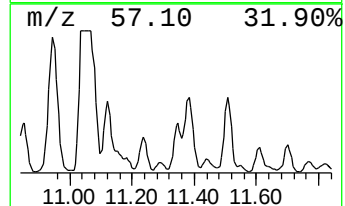
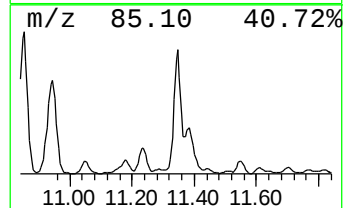
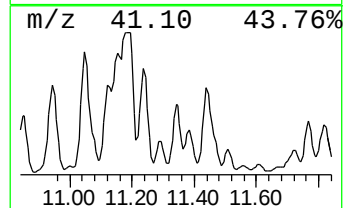
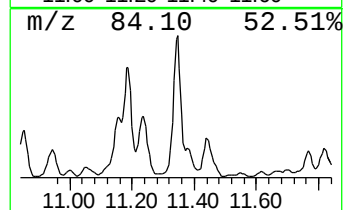
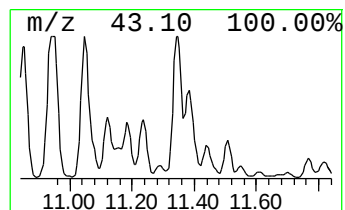
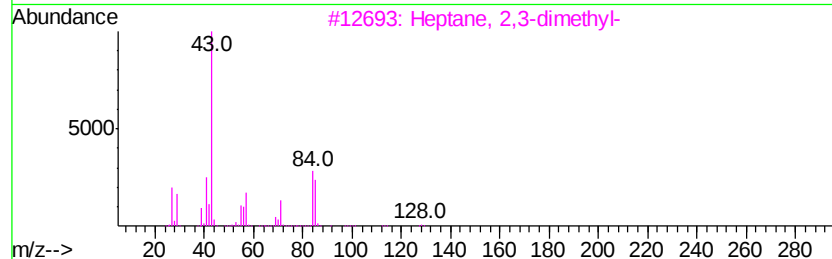
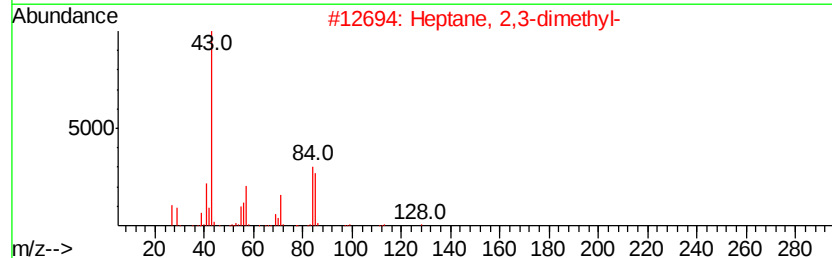
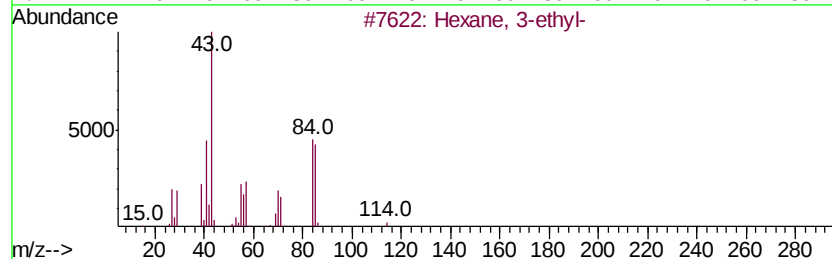
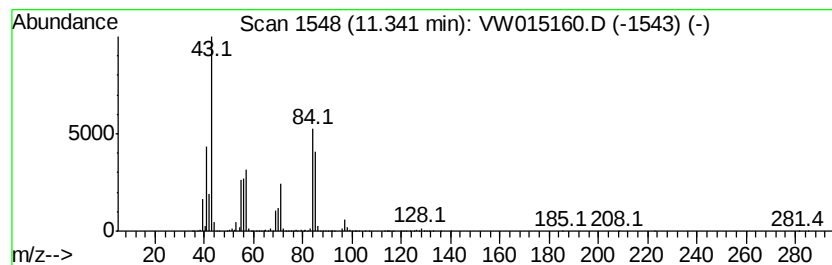
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	315.34 ug/L	58469500	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	87
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
5		Piperidine	85	C5H11N	000110-89-4	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

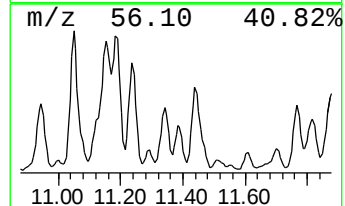
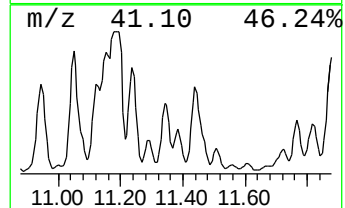
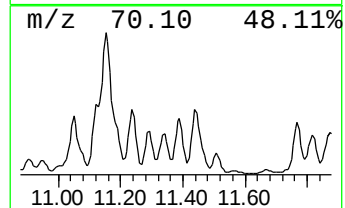
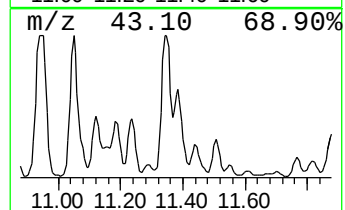
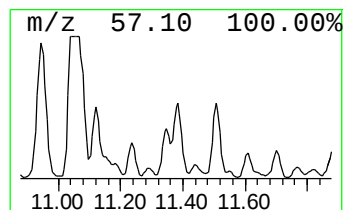
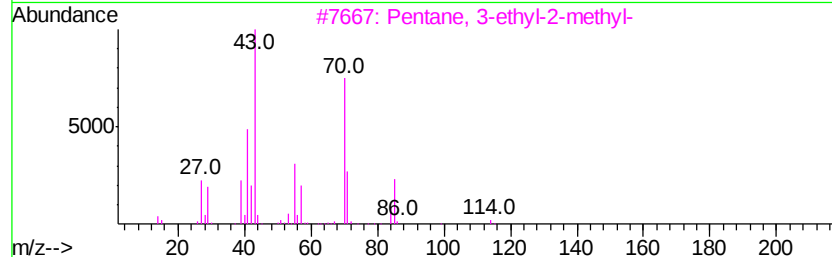
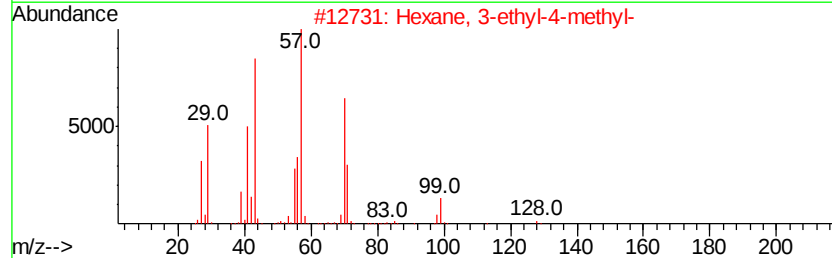
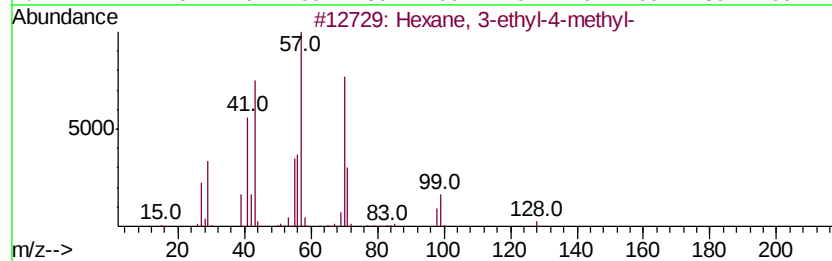
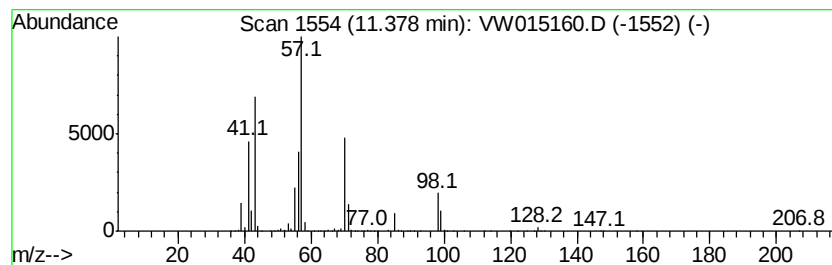
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	146.02 ug/L	27074900	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	81
2		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
3		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	49
4		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47
5		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

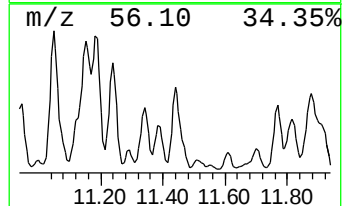
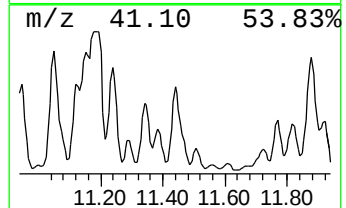
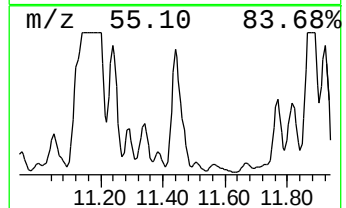
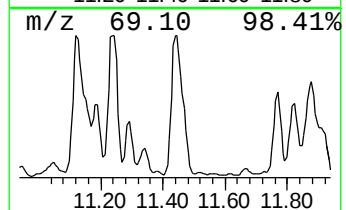
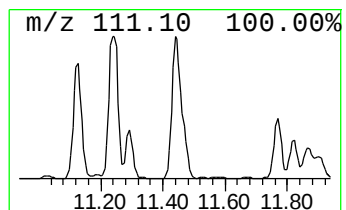
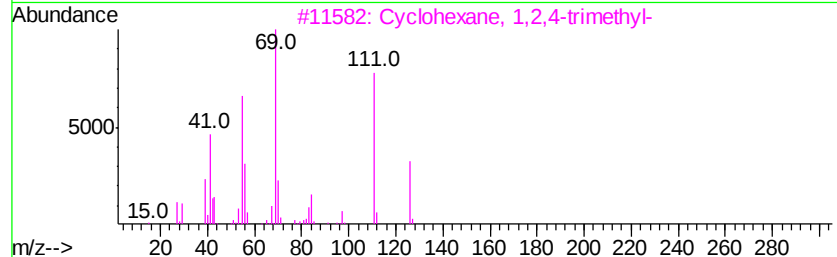
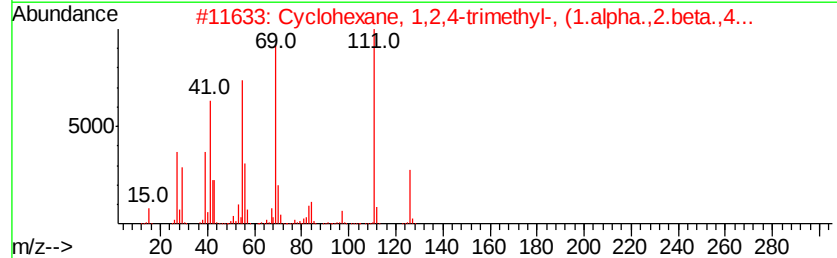
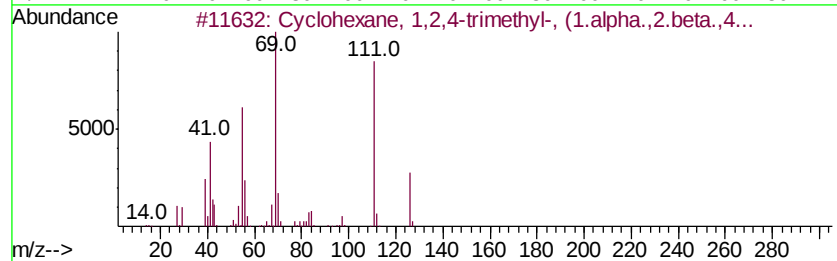
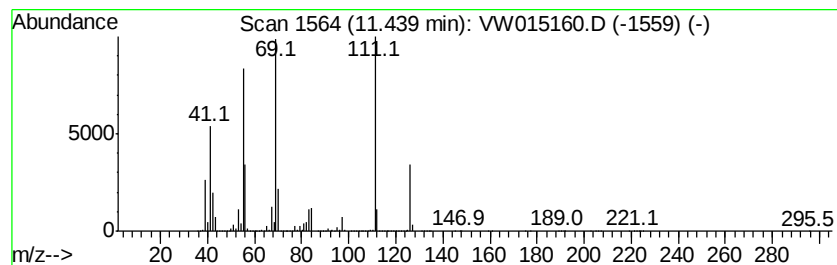
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.44 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	556.60 ug/L	103206000	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	002234-75-5	94
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	002234-75-5	90
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

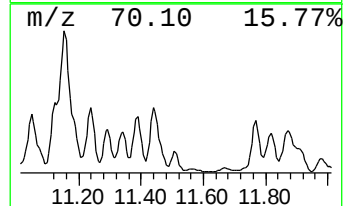
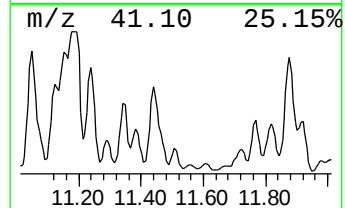
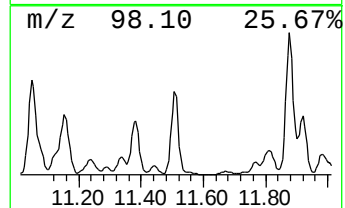
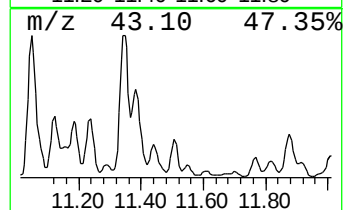
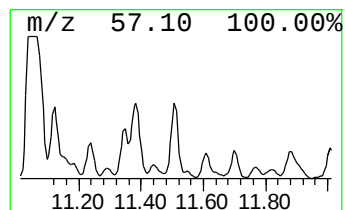
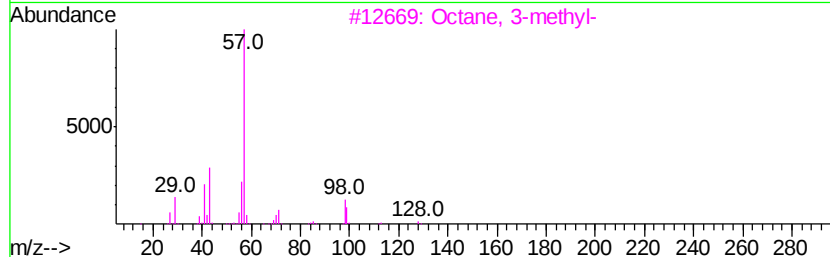
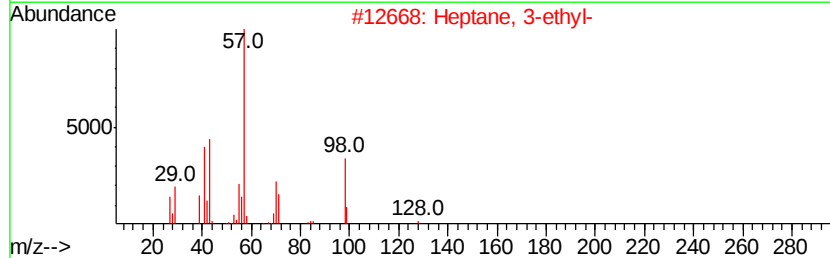
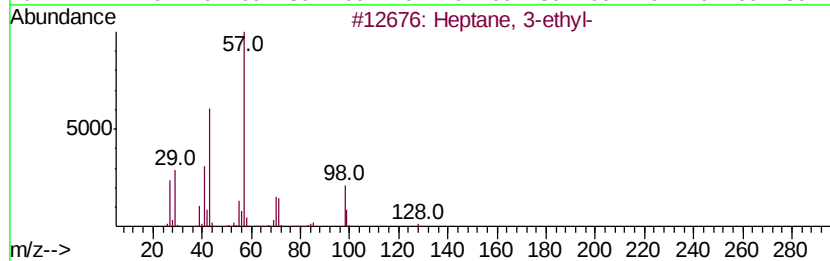
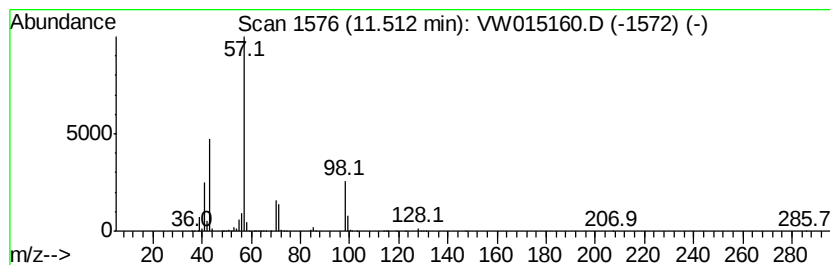
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	87.25 ug/L	16178700	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	72
2		Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
3		Octane, 3-methyl-	128	C9H20	002216-33-3	53
4		Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	53
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

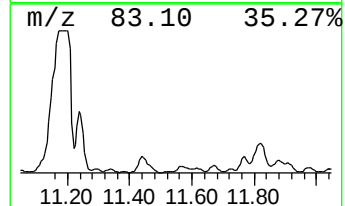
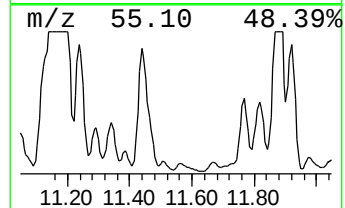
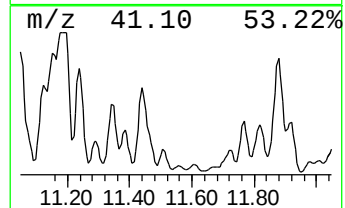
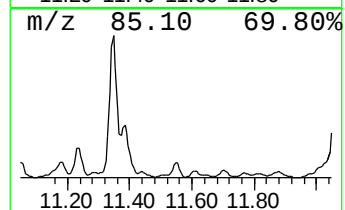
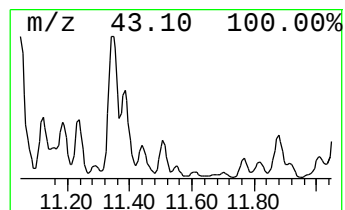
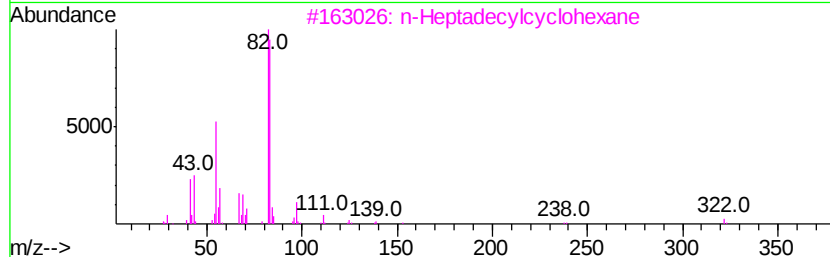
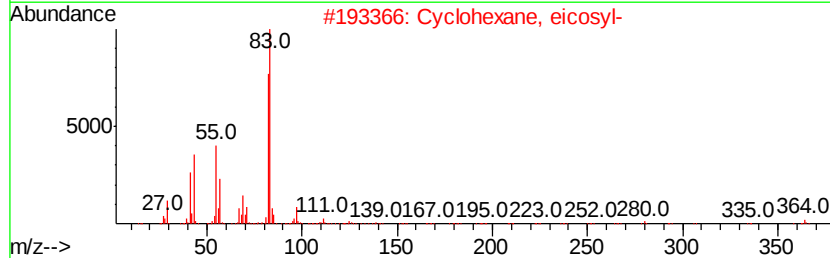
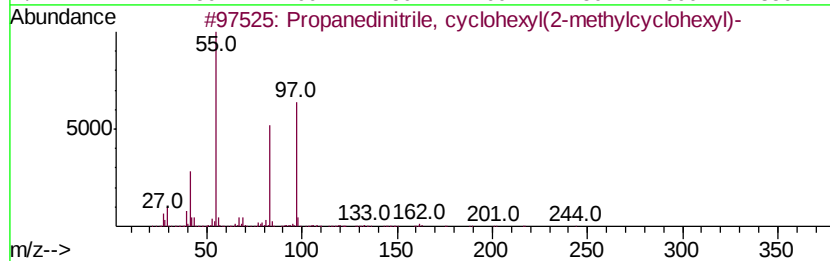
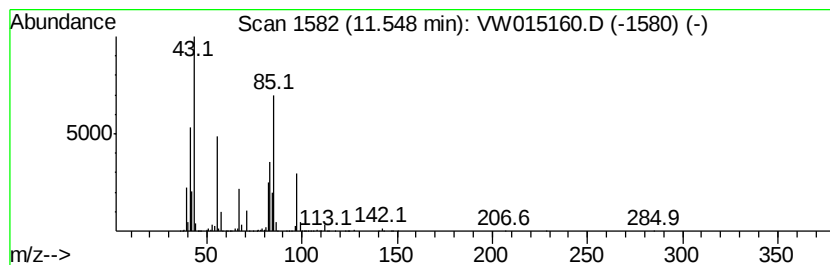
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 30 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	18.14 ug/L	3363010	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	27
2		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	27
3		n-Heptadecylcyclohexane	322	C23H46	019781-73-8	27
4		1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	22
5		trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

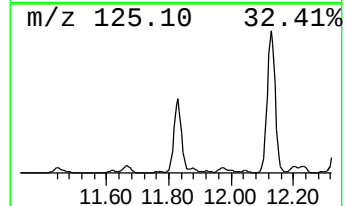
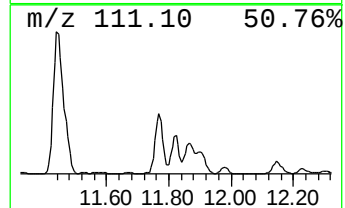
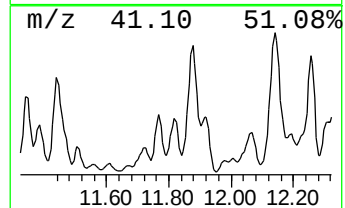
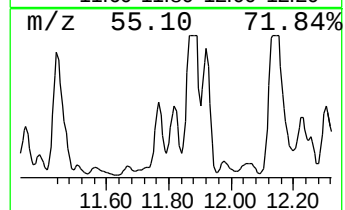
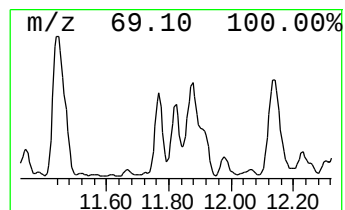
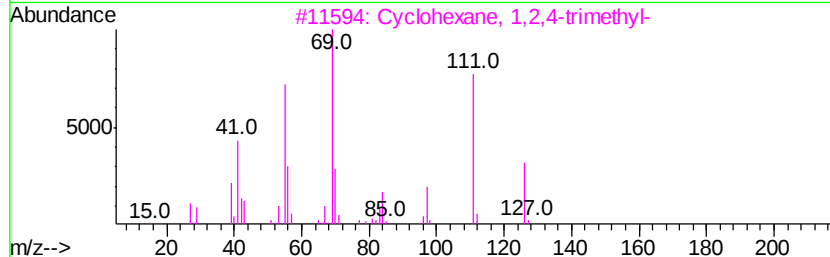
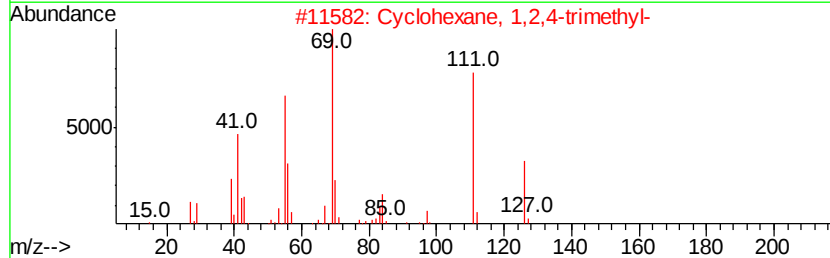
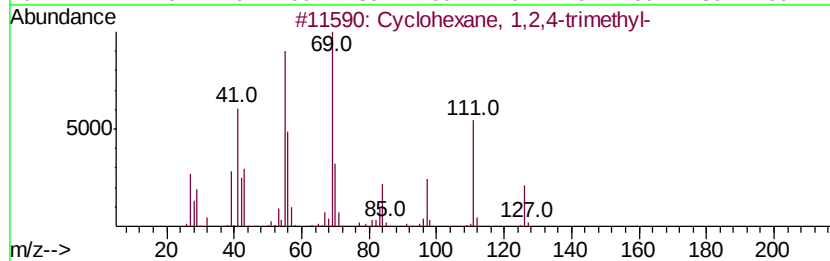
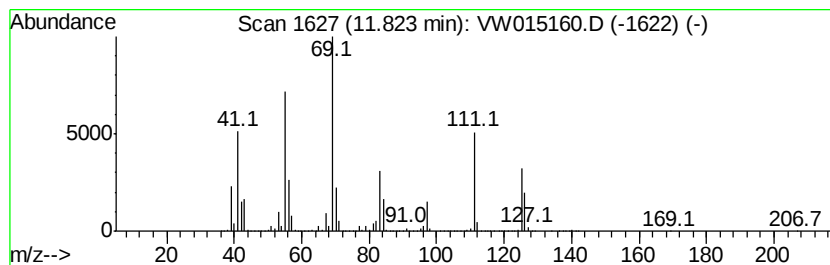
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic11.82 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	180.56 ug/L	33479200	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	96
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

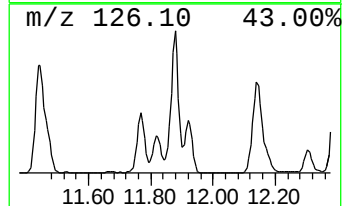
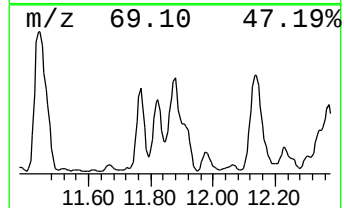
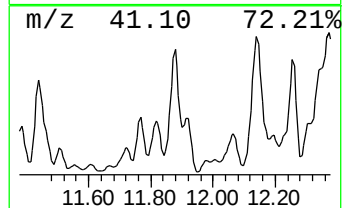
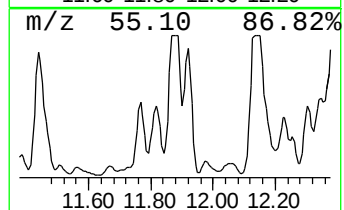
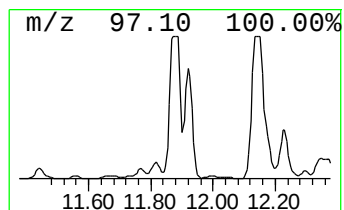
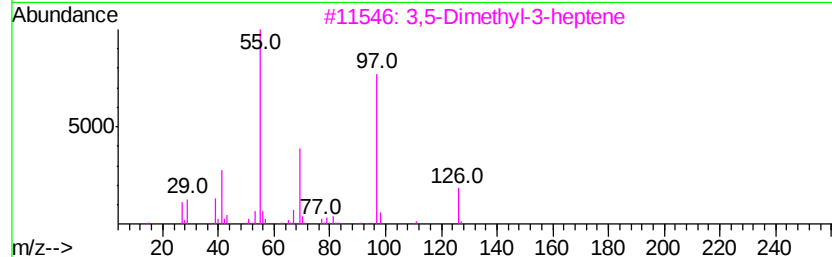
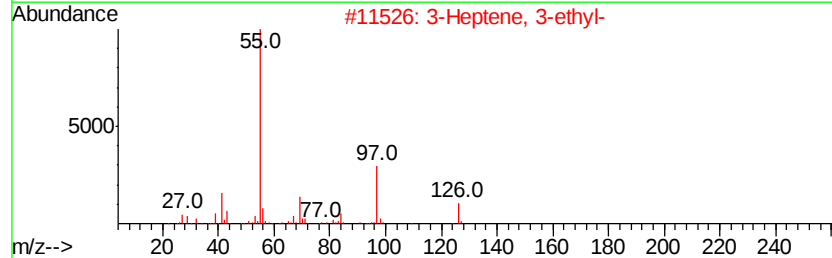
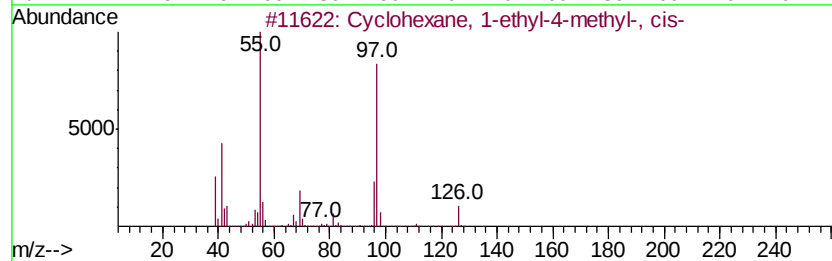
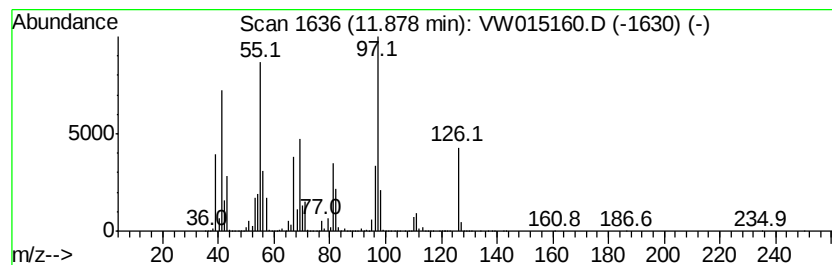
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic11.88 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	710.11 ug/L	131670000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
2		3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	46
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	43
4		Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	38
5		7-Oxabicyclo[4.1.0]heptan-2-one,...	126	C7H10O2	021889-89-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

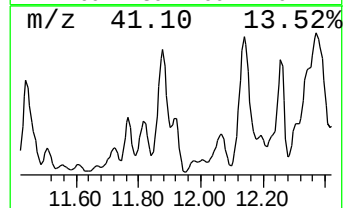
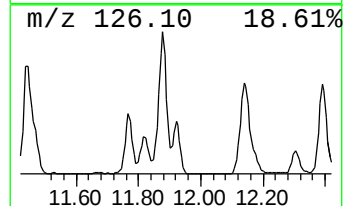
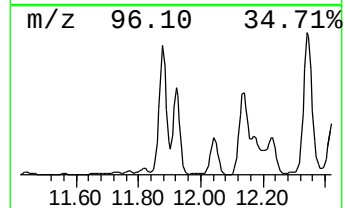
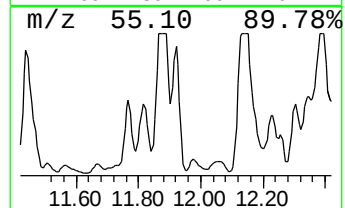
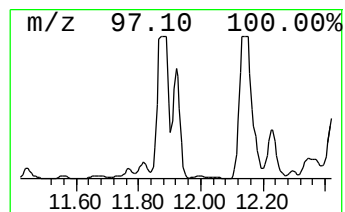
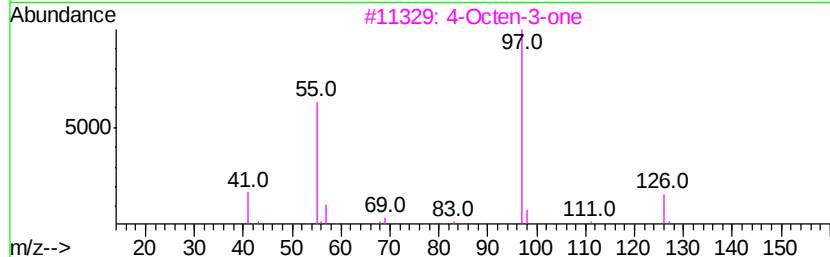
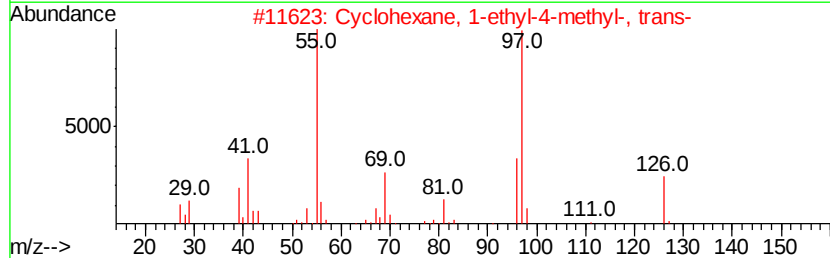
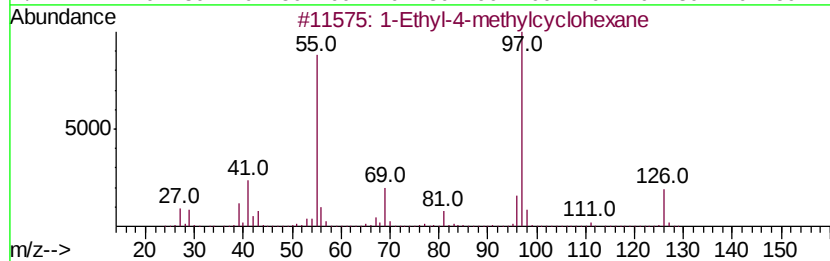
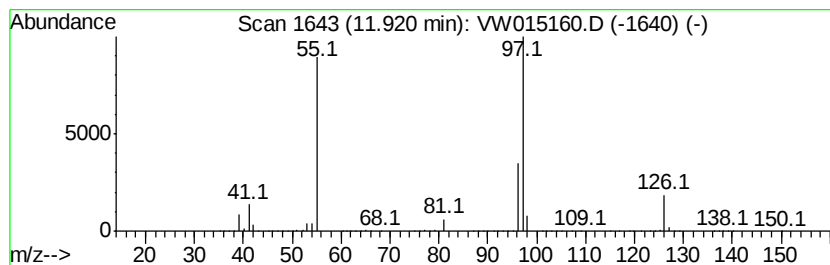
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	295.70 ug/L	54829400	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
3		4-Octen-3-one	126	C8H14O	014129-48-7	64
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
5		4-Octen-3-one	126	C8H14O	014129-48-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

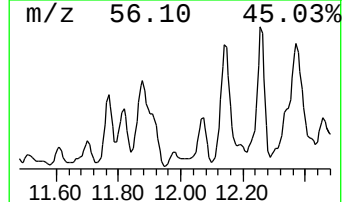
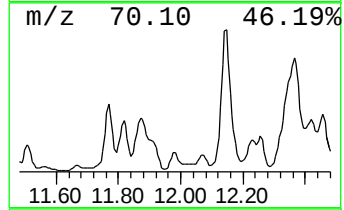
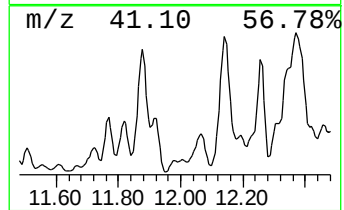
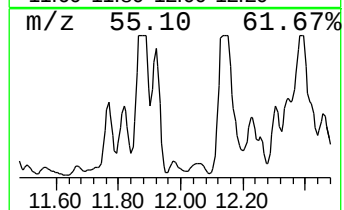
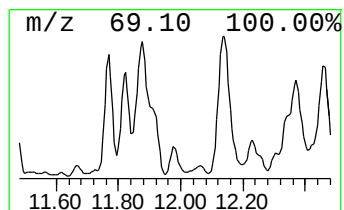
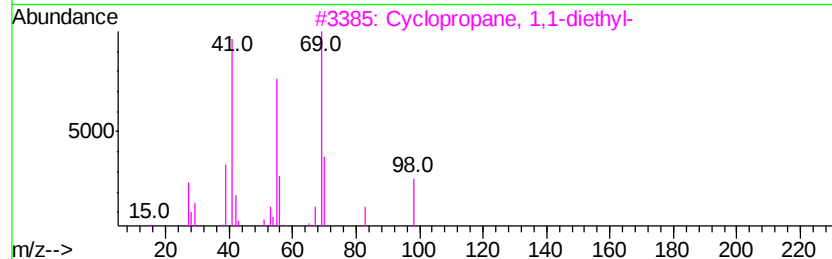
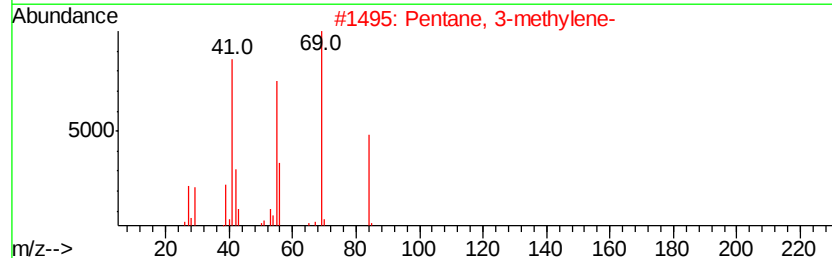
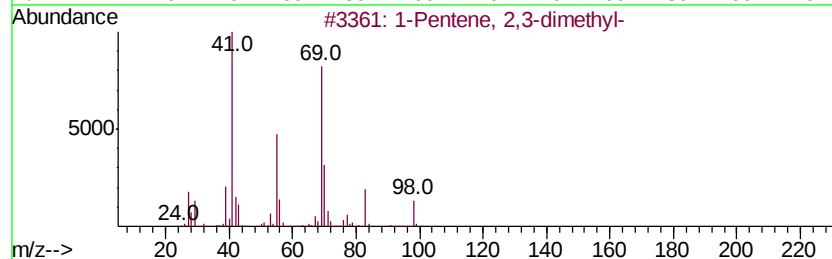
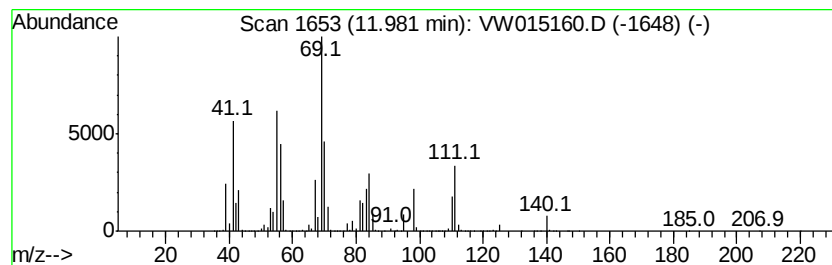
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	69.26 ug/L	12842200	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	49
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	43
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
4	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	43
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

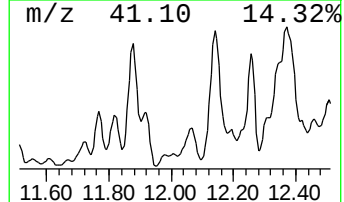
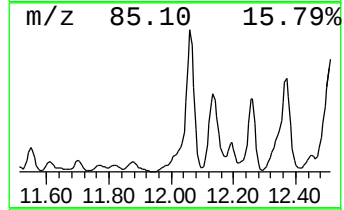
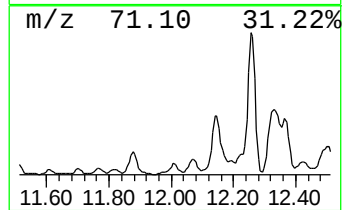
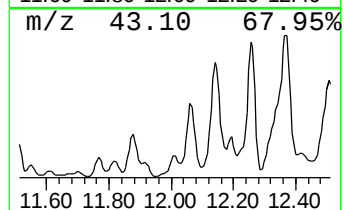
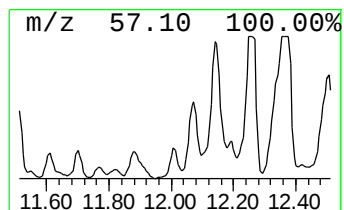
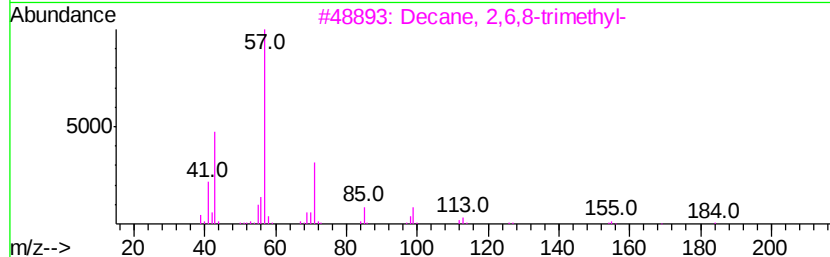
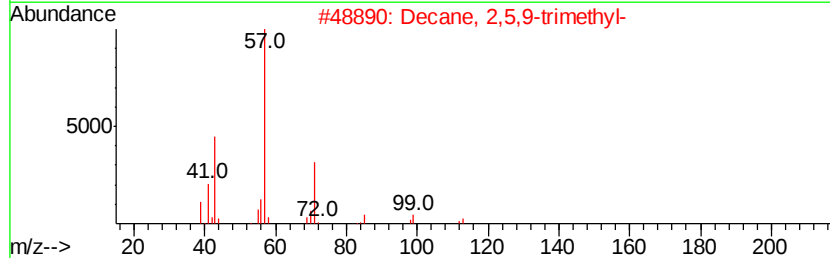
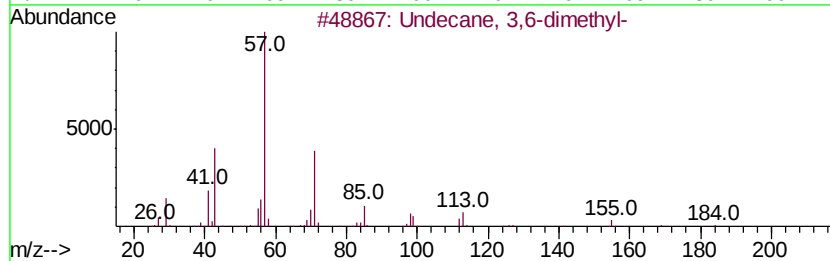
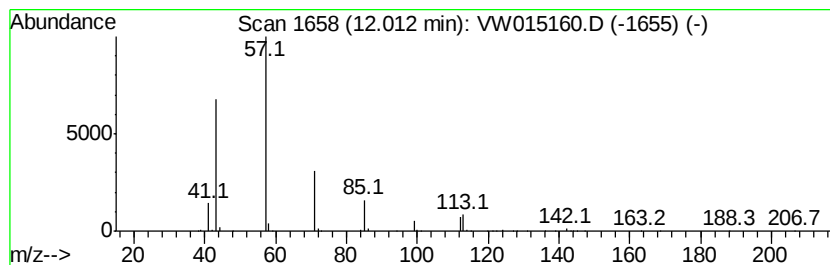
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.10 ug/L	945472	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
2		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
3		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
5		Decane, 2-methyl-	156	C11H24	006975-98-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

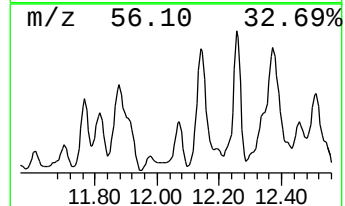
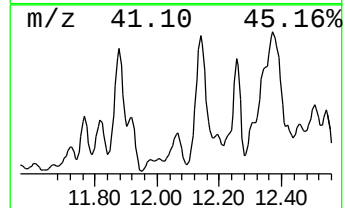
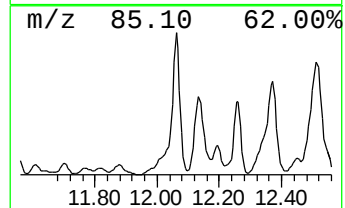
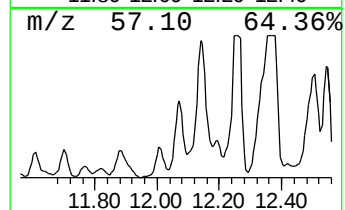
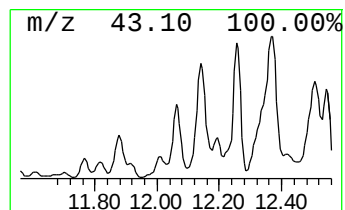
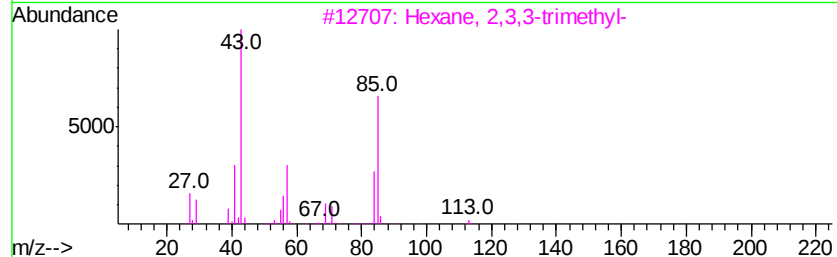
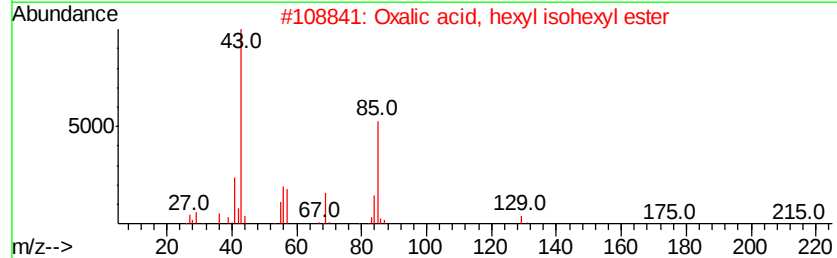
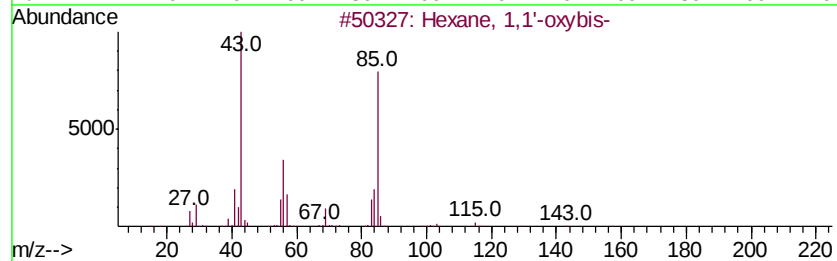
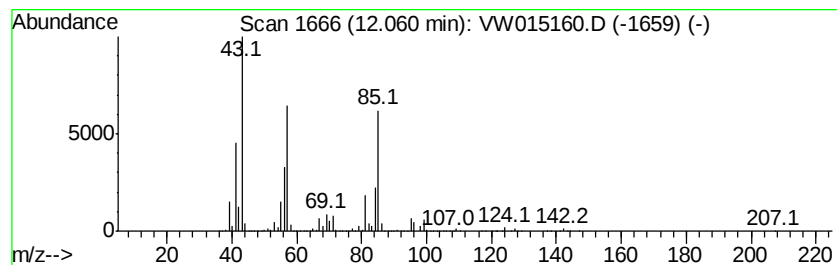
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 36 Hexane, 1,1'-oxybis- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	245.03 ug/L	45433900	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
2		Oxalic acid, hexyl isohexyl ester	258	C14H26O4	1000309-33-0	59
3		Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	53
4		Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53
5		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

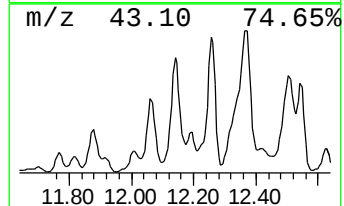
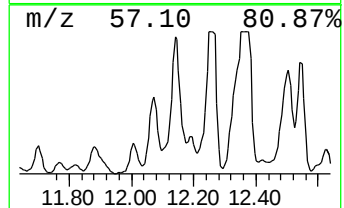
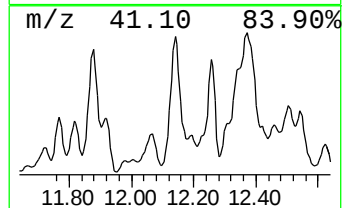
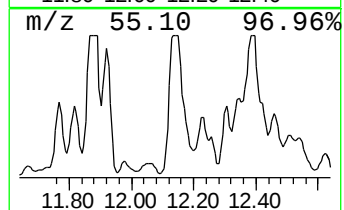
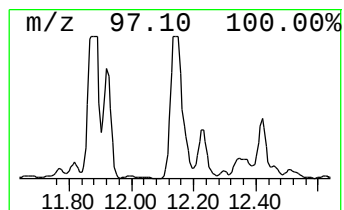
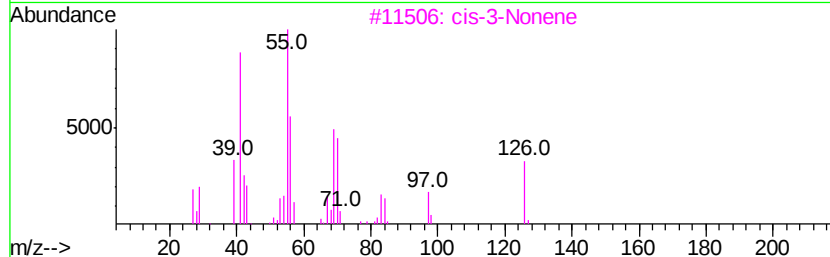
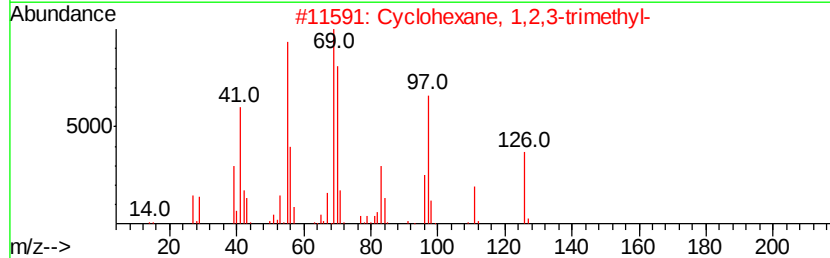
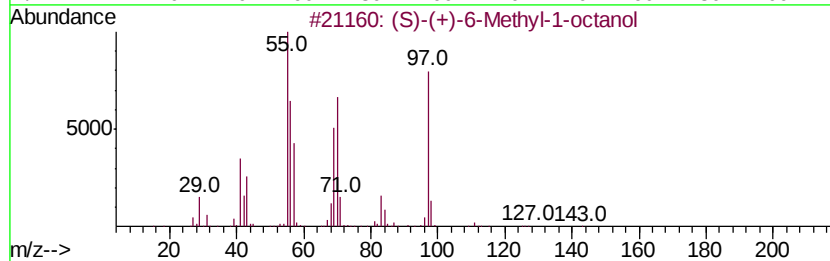
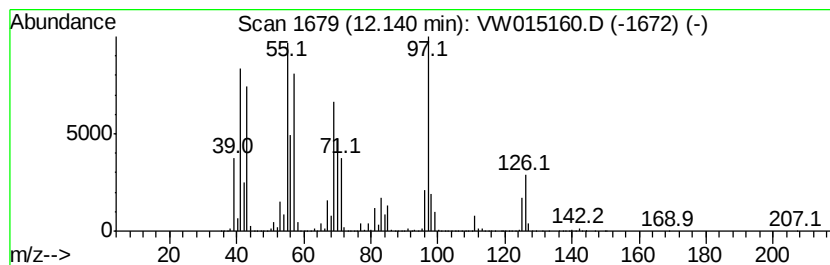
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 37 (S)-(+)-6-Methyl-1-octanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	1065.54 ug/L	197573000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(S)-(+)-6-Methyl-1-octanol	144	C9H20O	110453-78-6	53
2		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	53
3		cis-3-Nonene	126	C9H18	020237-46-1	46
4		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	46
5		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

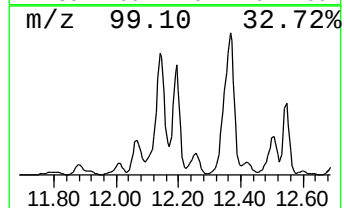
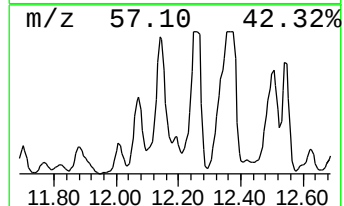
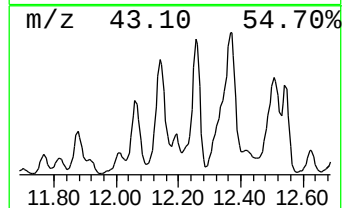
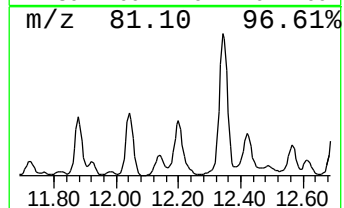
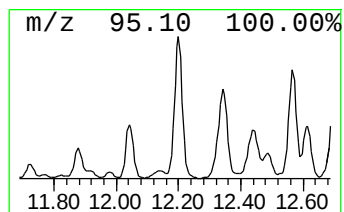
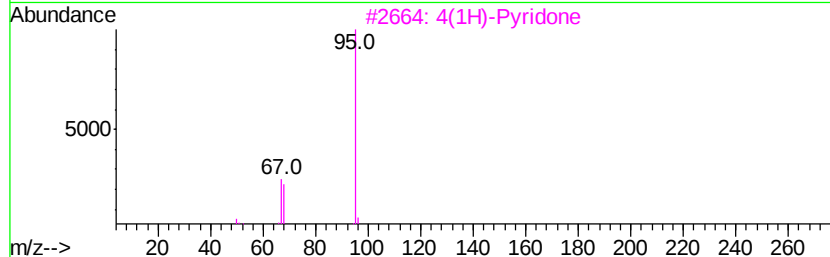
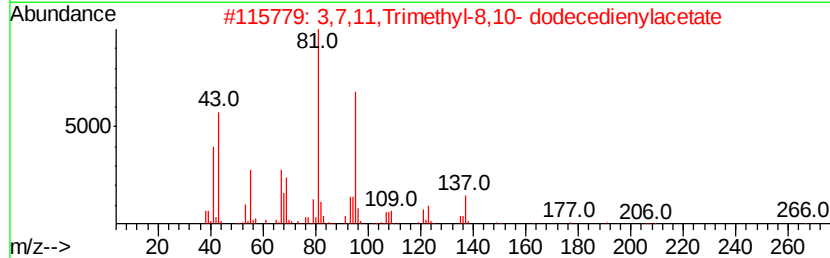
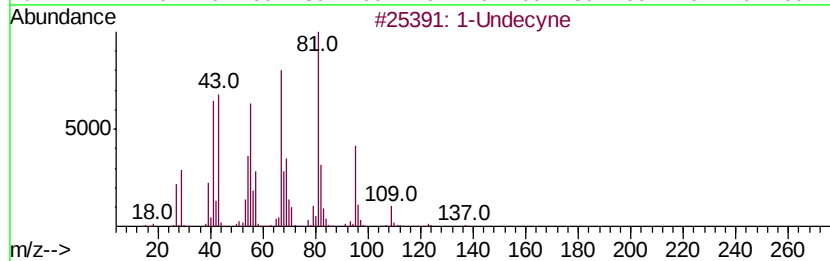
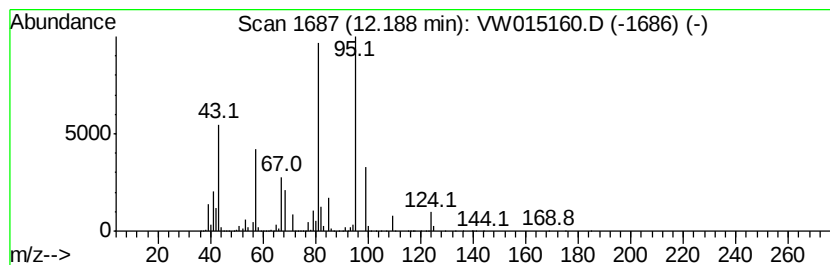
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 38 1-Undecyne Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.			
12.19	34.42 ug/L	6381750	Chlorobenzene-d5	11.63			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Undecyne	152	C11H20	002243-98-3	59
2			3,7,11,Trimethyl-8,10- dodecedie...	266	C17H30O2	1000374-10-3	53
3			4(1H)-Pvridone	95	C5H5NO	000108-96-3	38
4			2-Nonyne	124	C9H16	019447-29-1	38
5			Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

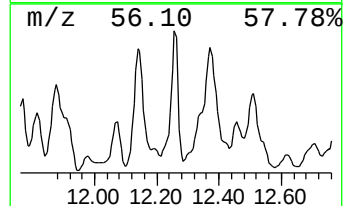
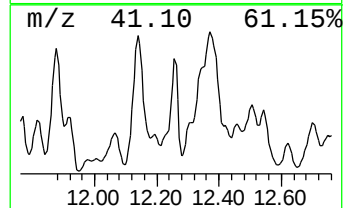
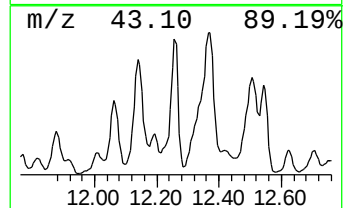
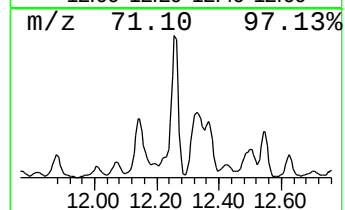
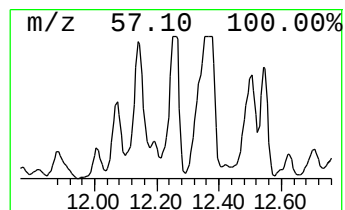
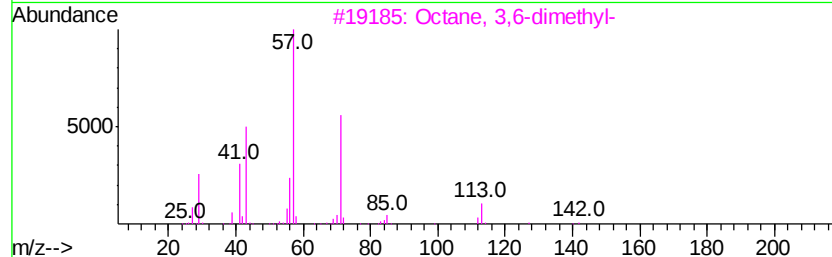
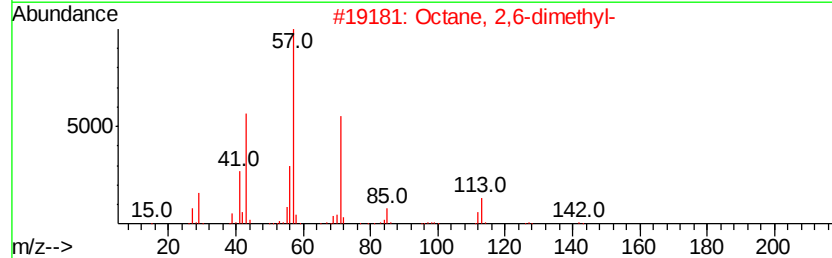
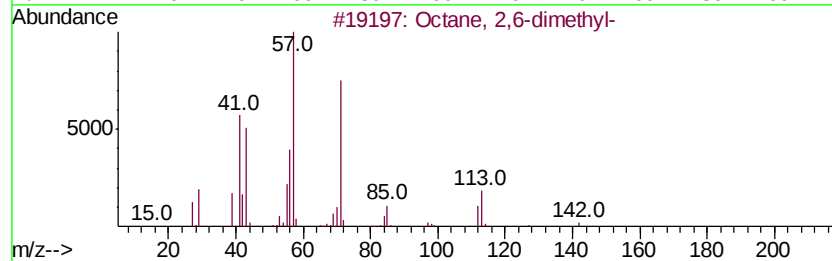
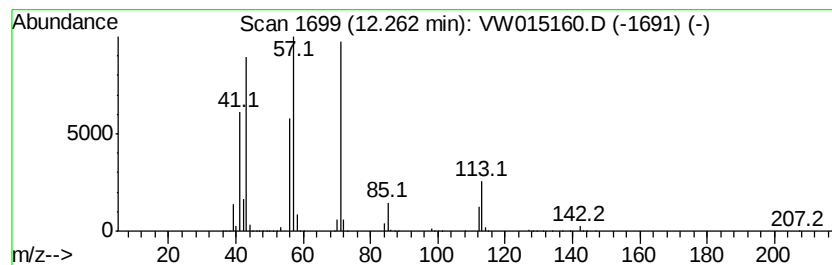
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	487.73 ug/L	90435000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	74
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

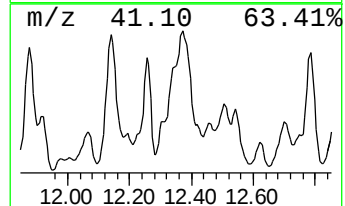
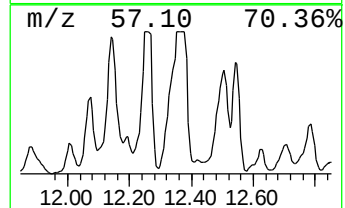
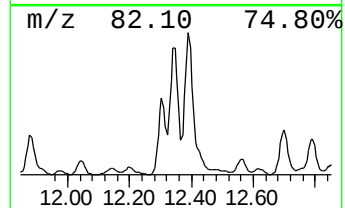
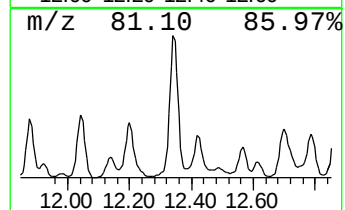
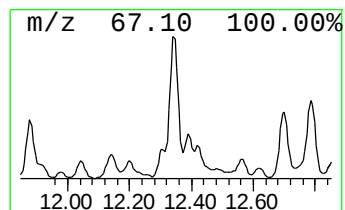
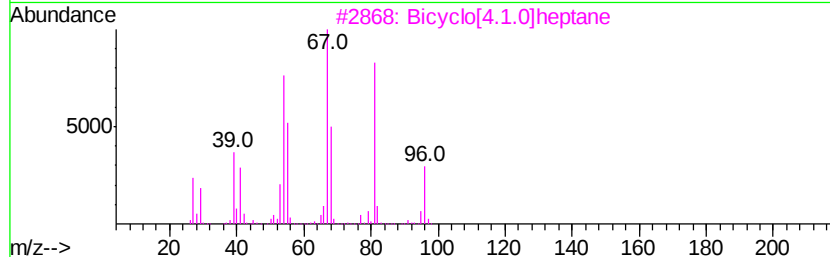
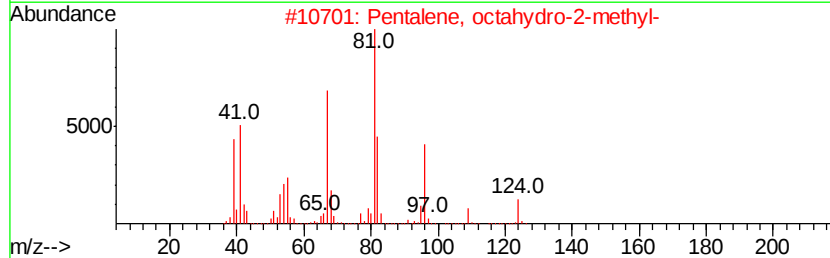
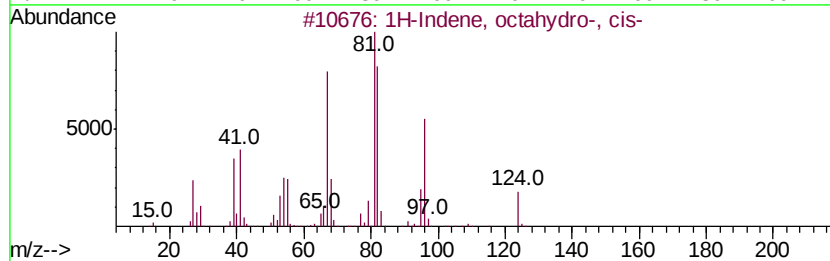
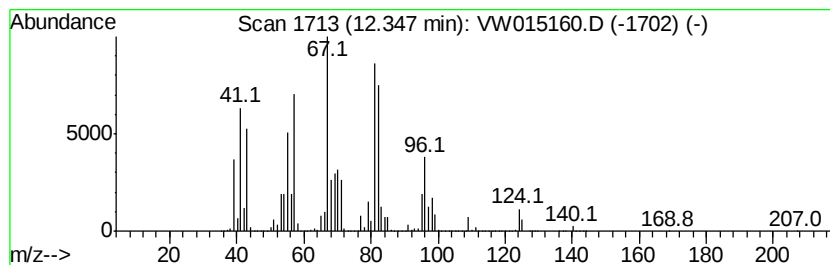
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 40 1H-Indene, octahydro-, cis- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	965.82 ug/L	179083000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	58
2		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
3		Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	46
4		Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	41
5		2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

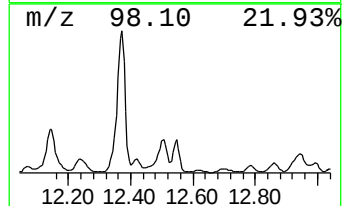
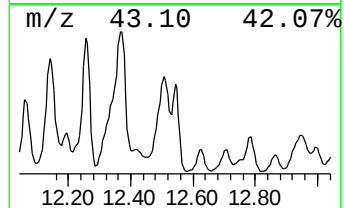
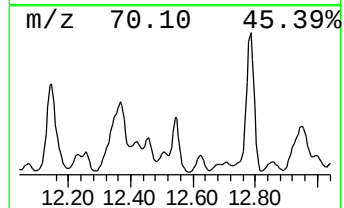
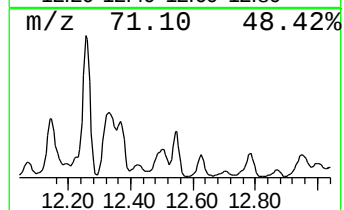
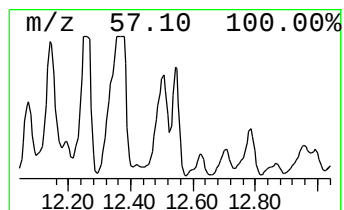
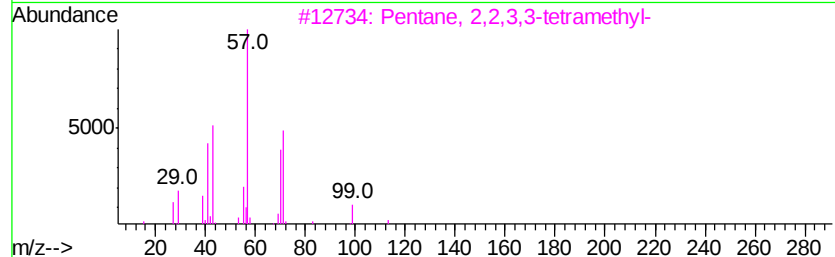
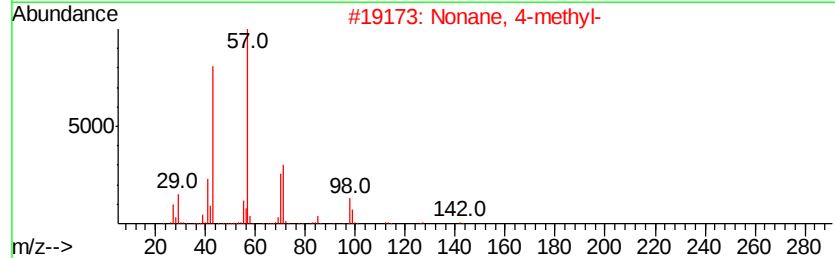
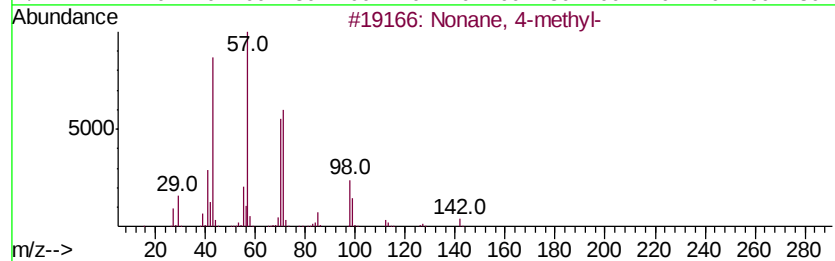
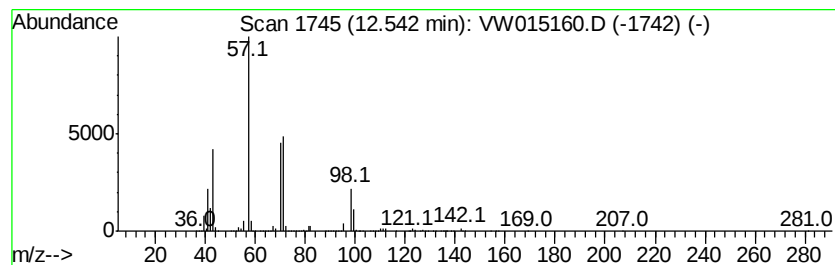
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	351.57 ug/L	65188500	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	72
3		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53
5		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

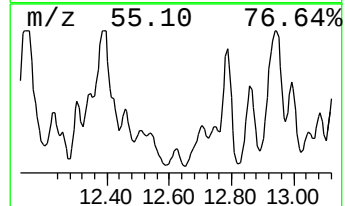
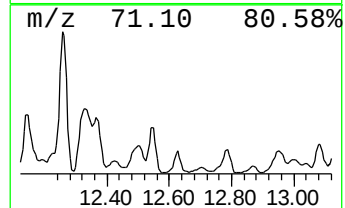
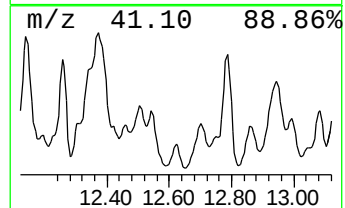
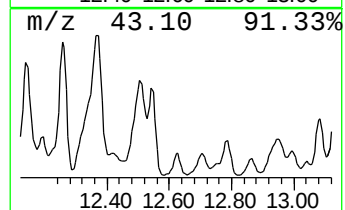
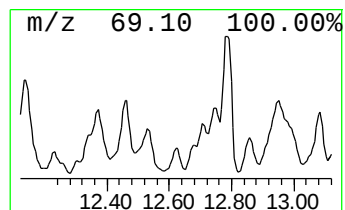
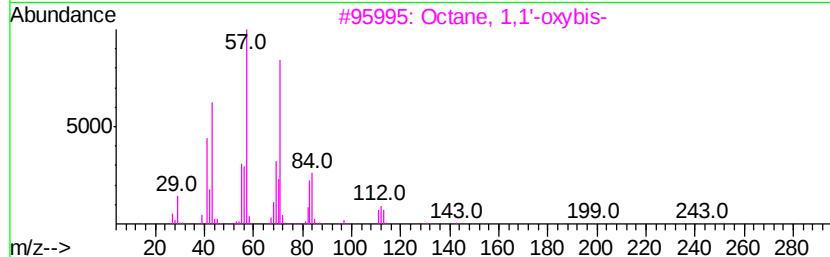
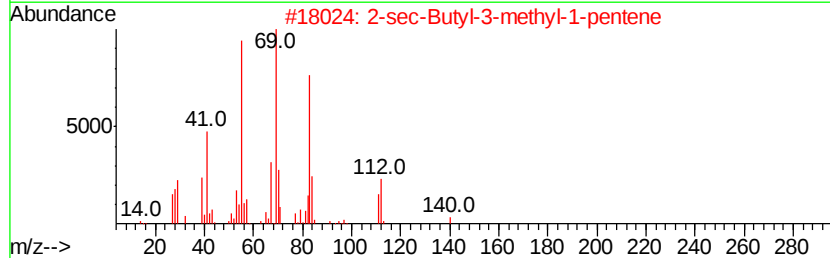
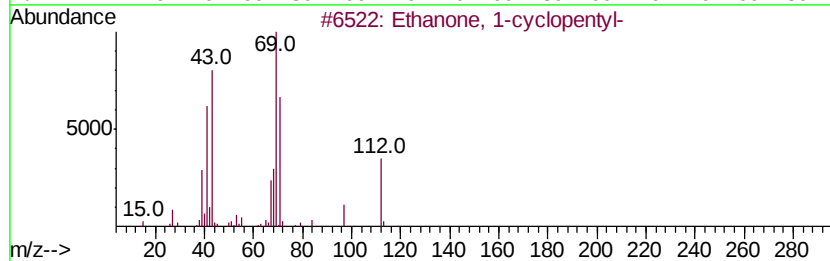
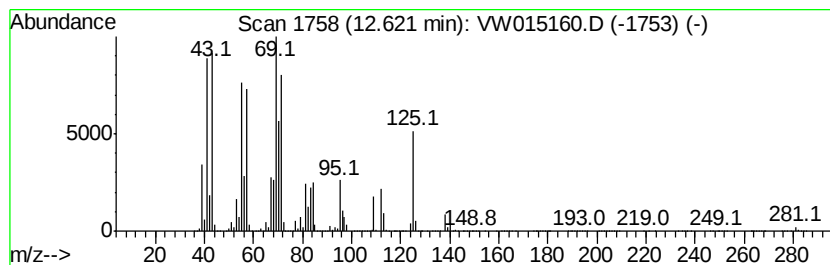
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 42 Ethanone, 1-cyclopentyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	6.07 ug/L	27643600	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Ethanone, 1-cyclopentyl-	112 C7H12O	006004-60-0	55
2	2-sec-Butyl-3-methyl-1-pentene	140 C10H20	075144-24-0	38
3	Octane, 1,1'-oxybis-	242 C16H34O	000629-82-3	30
4	3-Heptene, 2-methyl-, (E)-	112 C8H16	000692-96-6	25
5	Cyanamide, dimethyl-	70 C3H6N2	001467-79-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

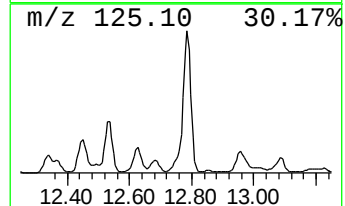
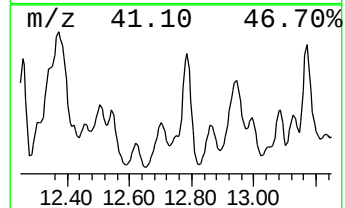
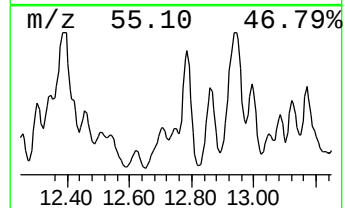
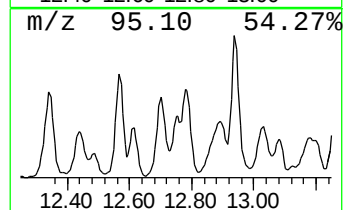
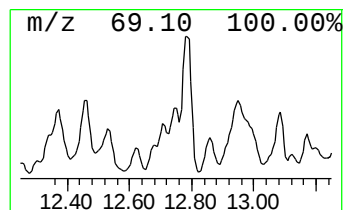
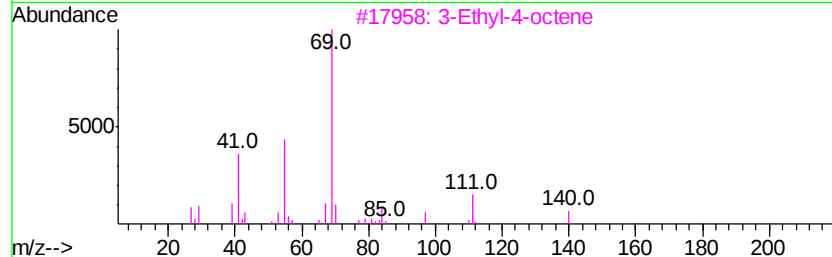
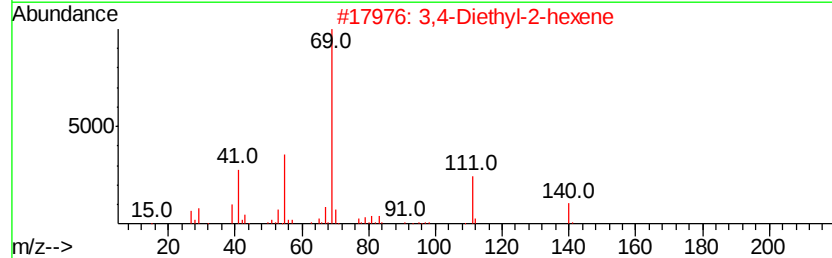
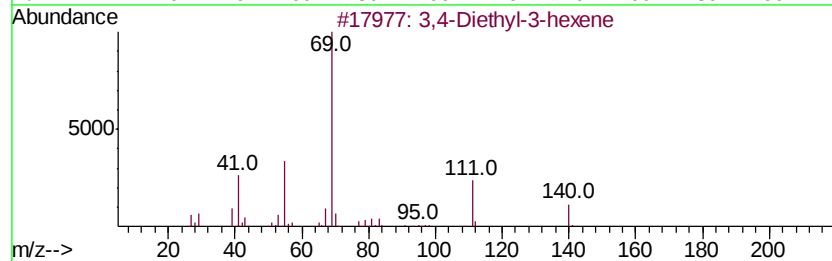
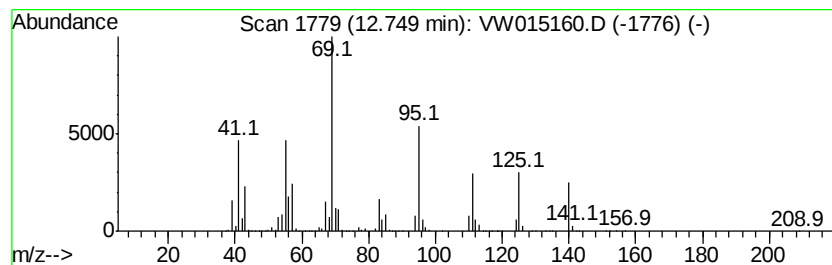
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	1.38 ug/L	6283380	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	49
2			3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	49
3			3-Ethyl-4-octene	140	C10H20	019781-32-9	47
4			1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	47
5			2-Octene, 2-methyl-6-methylene-	138	C10H18	010054-09-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

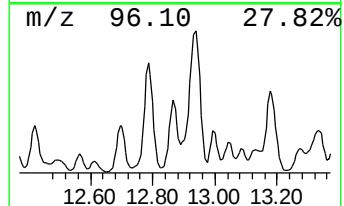
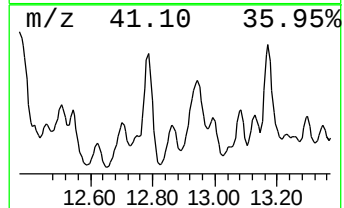
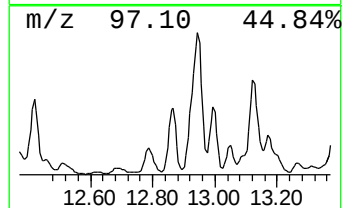
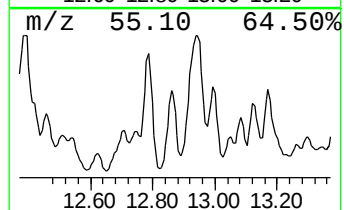
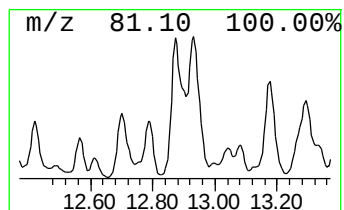
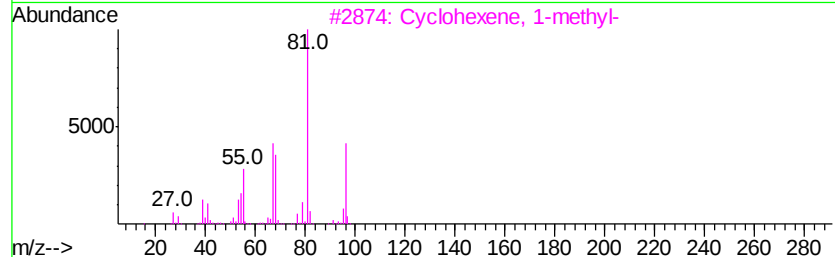
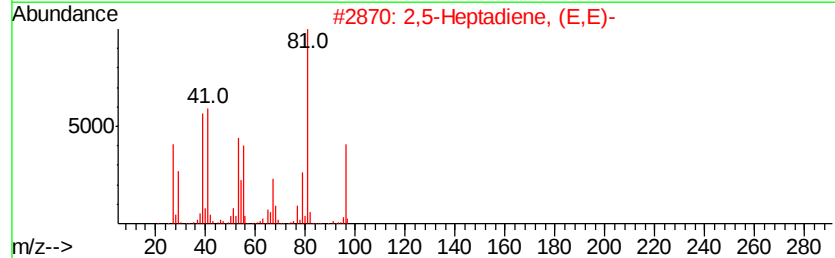
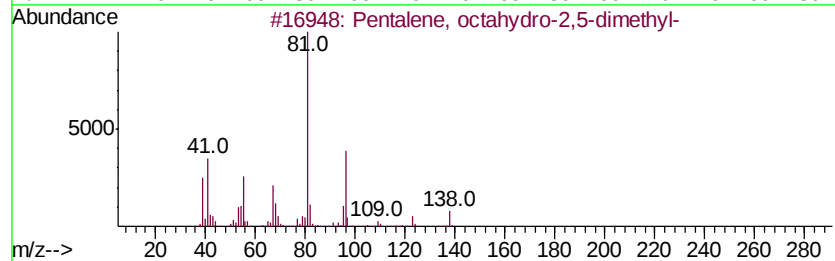
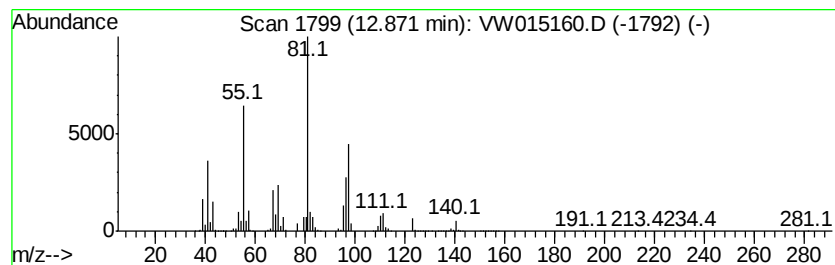
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 45 unknown-02 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	12.16 ug/L	55378600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	47
2		2,5-Heptadiene, (E,E)-	96	C7H12	039619-60-8	46
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
4		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	41
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

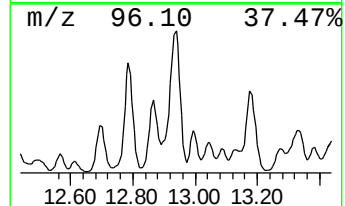
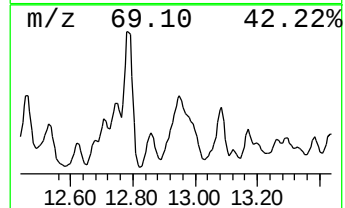
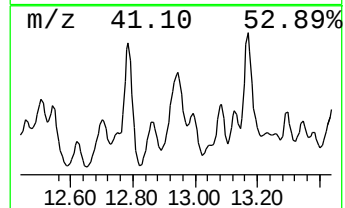
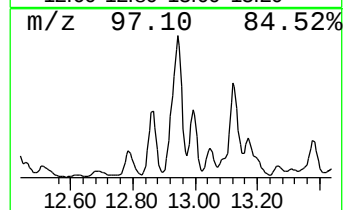
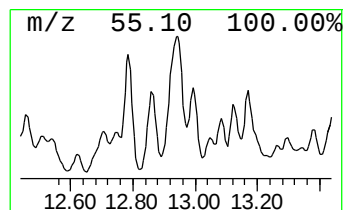
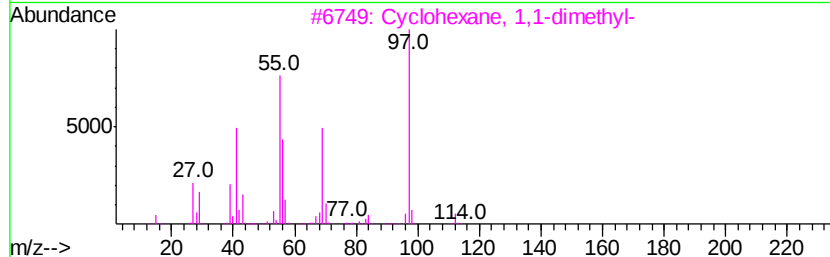
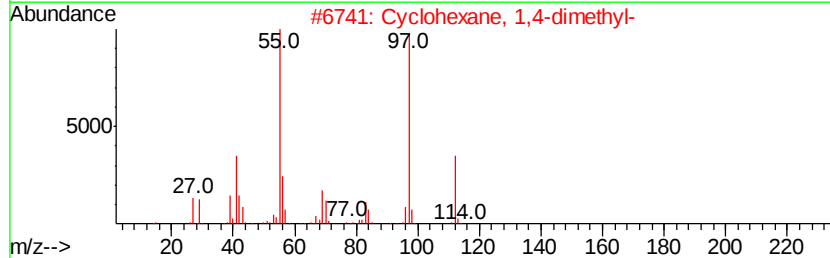
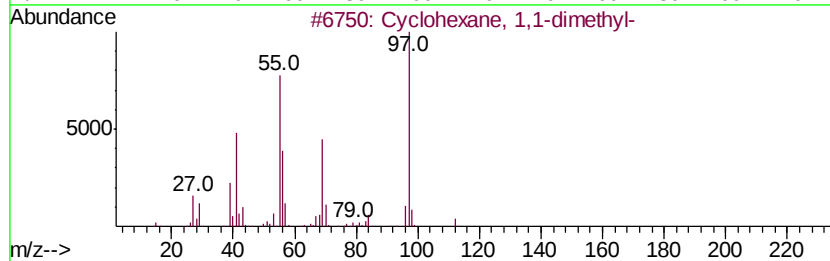
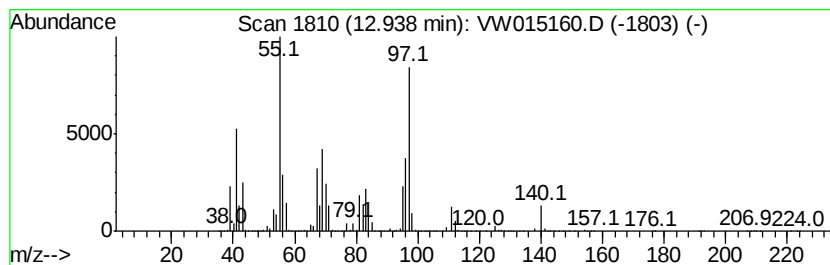
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Cyclic12.94 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	26.66 ug/L	121362000	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 49
2		Cyclohexane, 1,4-dimethyl-	112 C8H16	000589-90-2 49
3		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 46
4		2,4-Dimethyl-1,5-diazabicyclo[3....	112 C6H12N2	100463-01-2 46
5		2,4-Dimethyl-1,5-diazabicyclo[3....	112 C6H12N2	1000283-20-9 38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

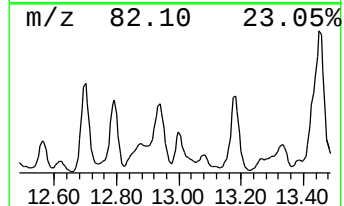
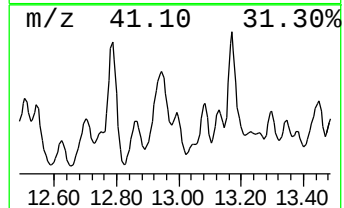
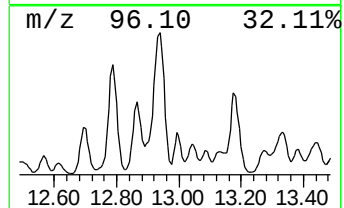
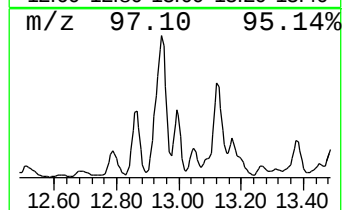
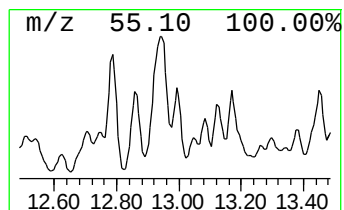
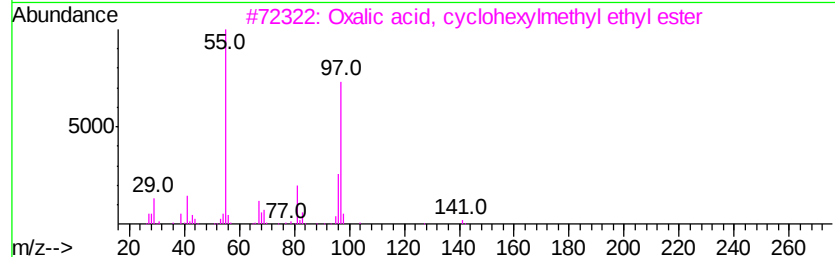
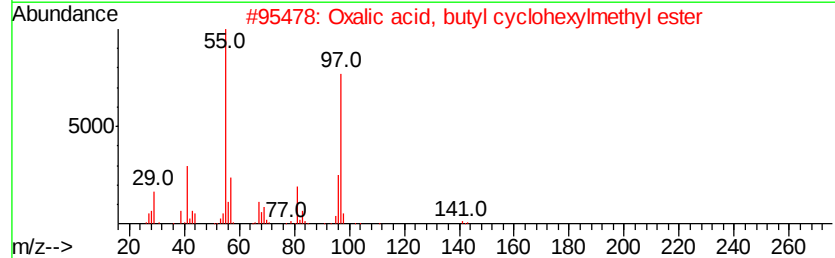
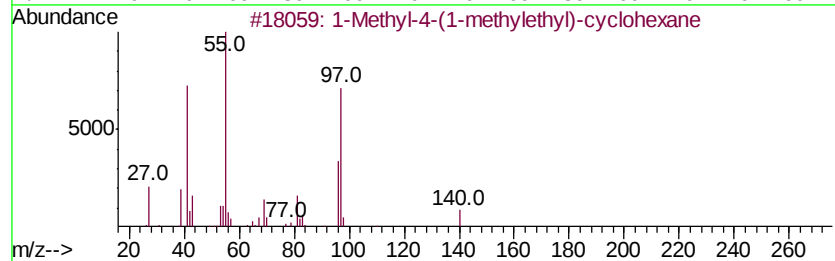
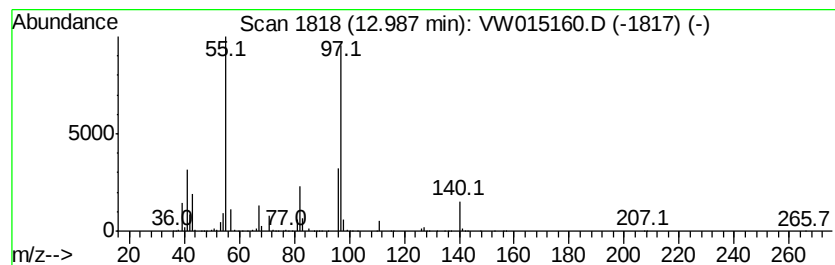
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	6.68 ug/L	30414400	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	59
2	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	59
3	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	59
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
5	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

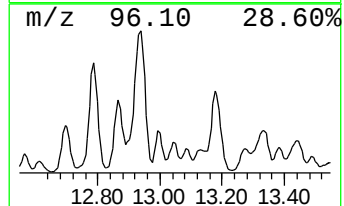
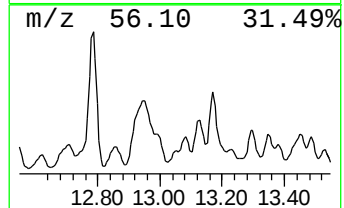
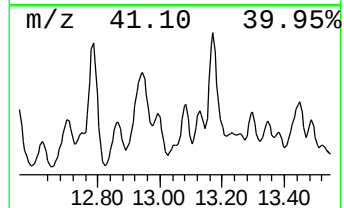
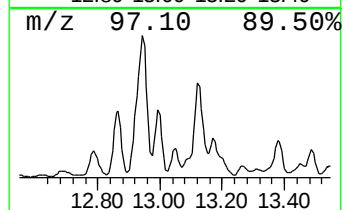
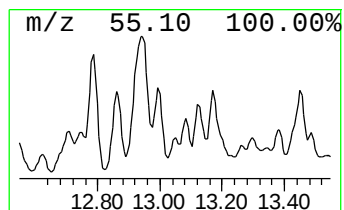
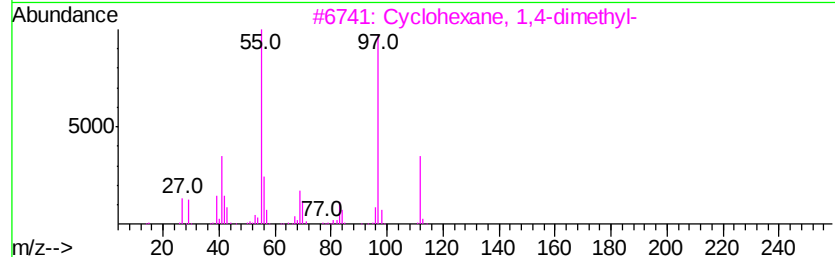
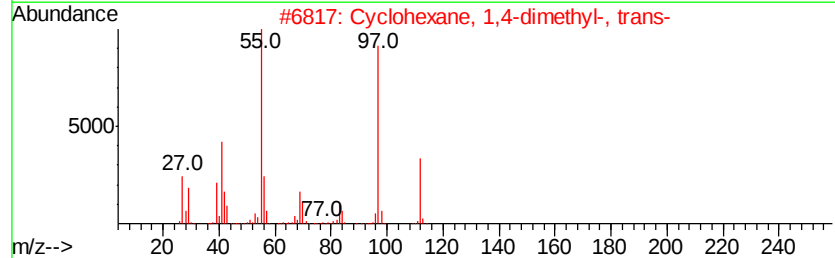
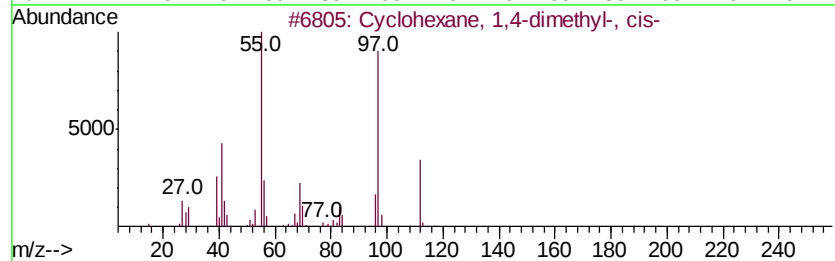
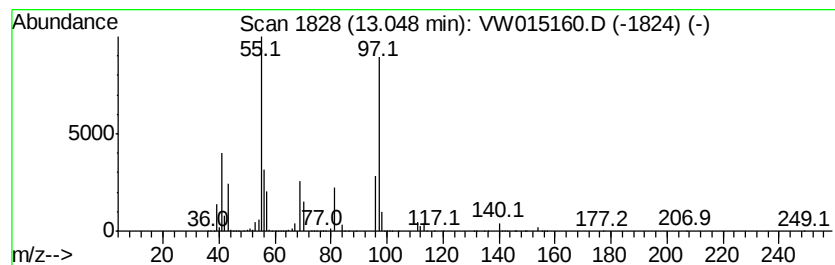
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Cyclic13.05 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	1.36 ug/L	6178120	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

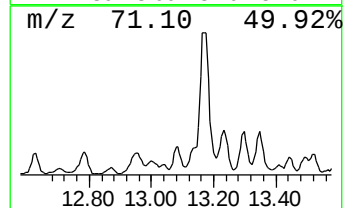
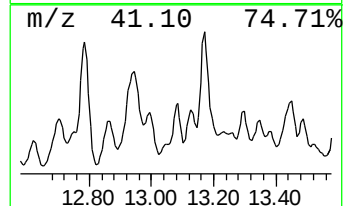
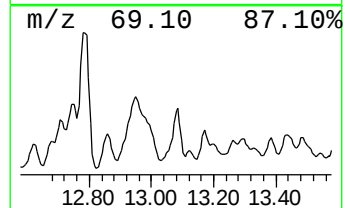
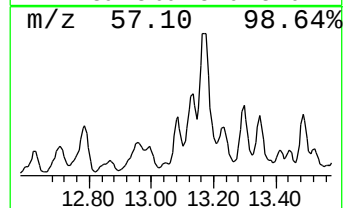
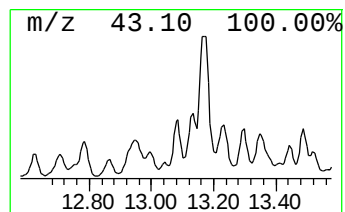
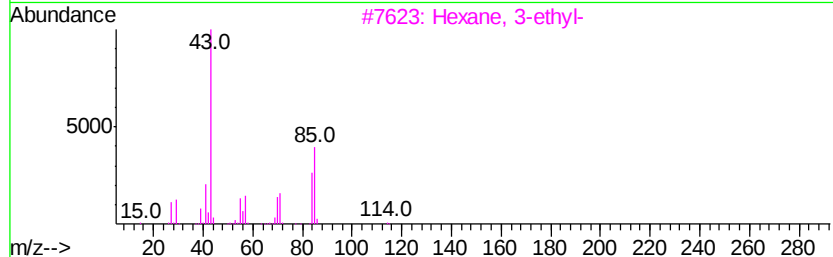
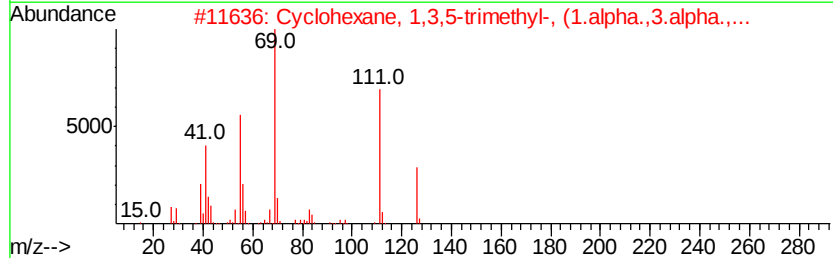
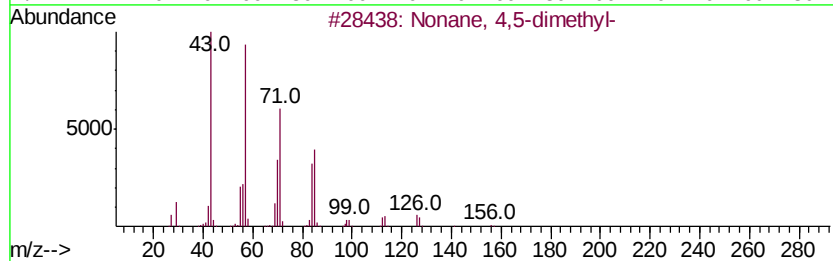
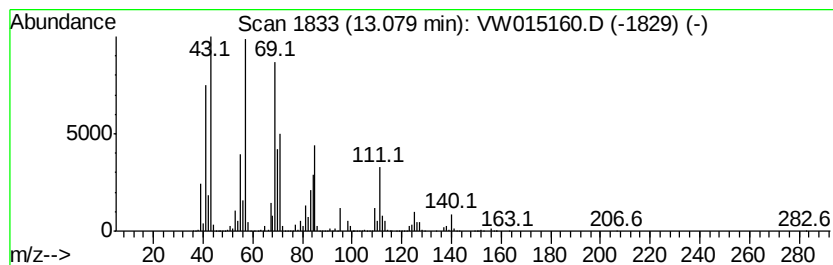
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	7.25 ug/L	33002500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	30
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	30
3		Hexane, 3-ethyl-	114	C8H18	000619-99-8	27
4		Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	27
5		Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

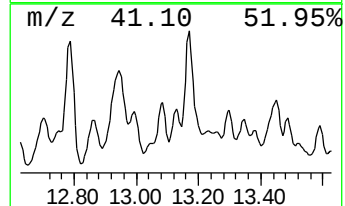
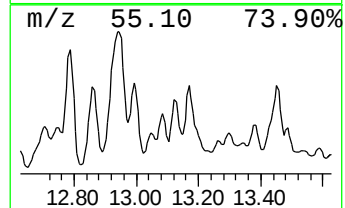
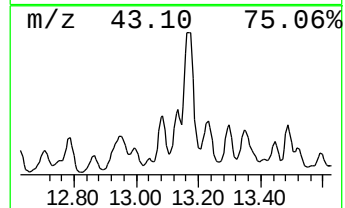
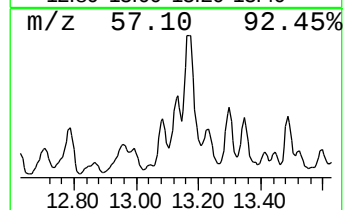
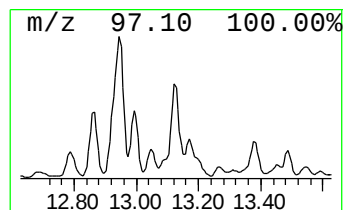
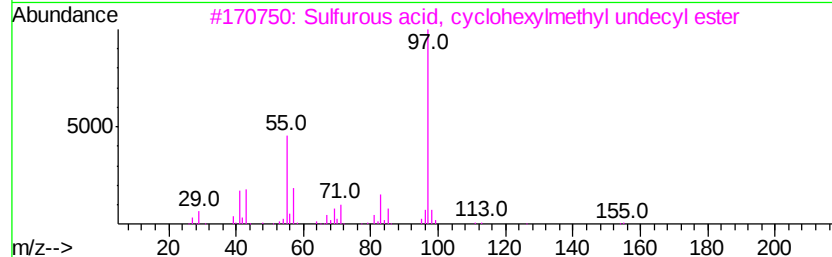
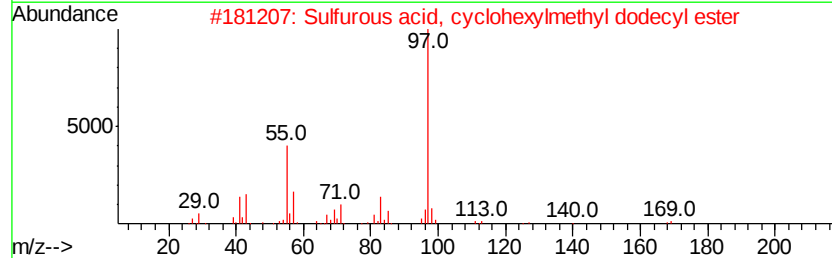
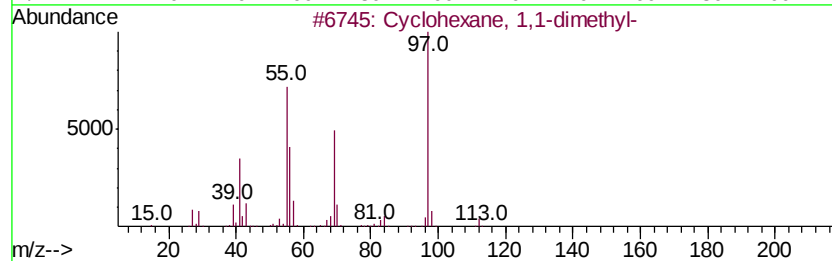
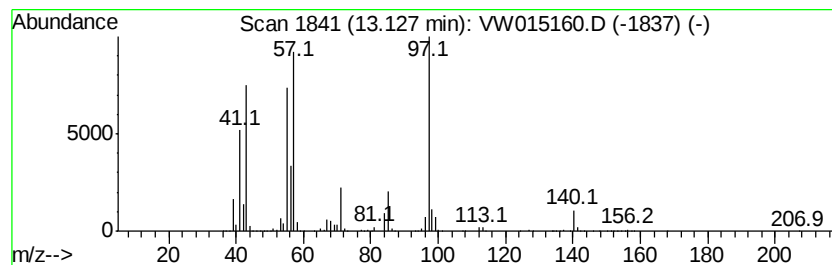
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic13.13 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	6.49 ug/L	29564800	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 50
2		Sulfurous acid, cyclohexylmethyl...	346 C19H38O3S	1000309-22-0 50
3		Sulfurous acid, cyclohexylmethyl...	332 C18H36O3S	1000309-21-9 50
4		3-Hepten-2-one	112 C7H12O	001119-44-4 43
5		Ethanone, 1-(1-methylcyclohexyl)-	140 C9H16O	002890-62-2 38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

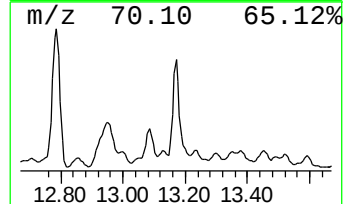
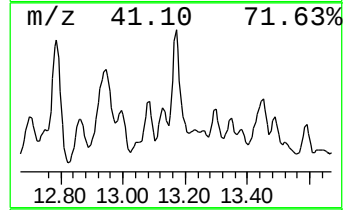
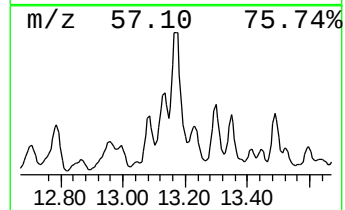
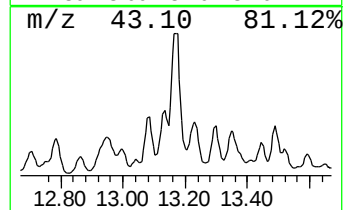
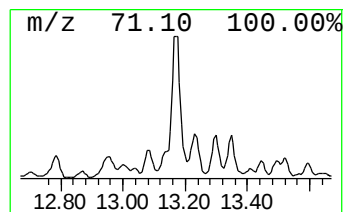
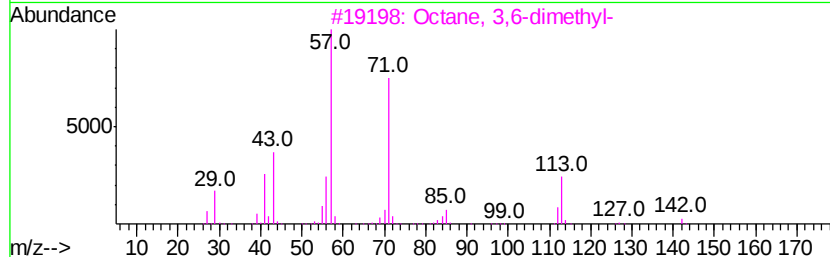
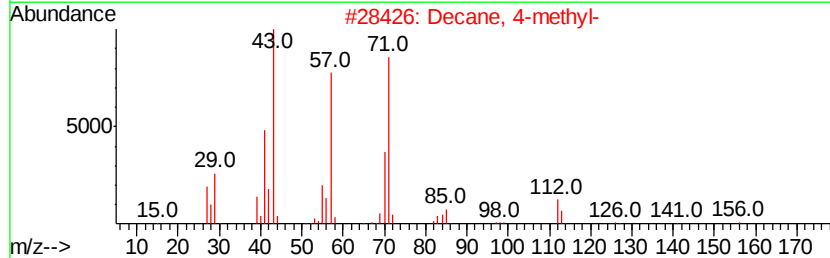
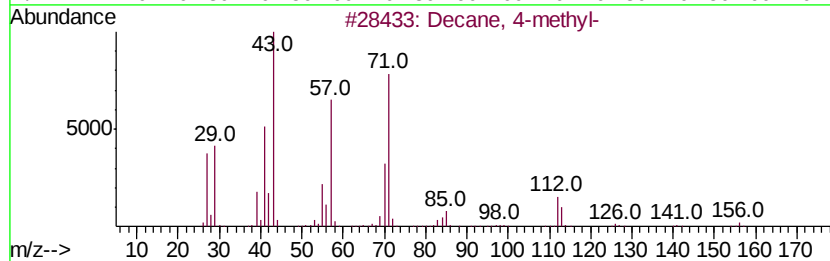
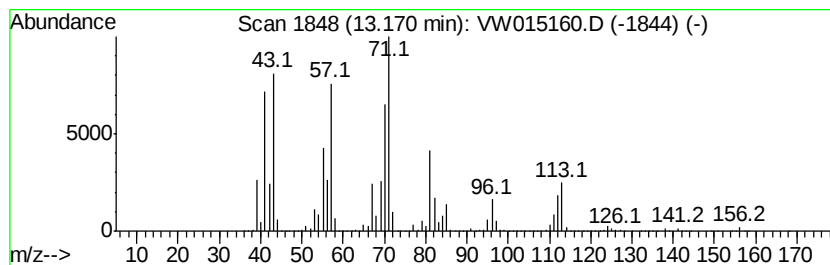
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	26.43 ug/L	120323000	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5 62
2	Decane, 4-methyl-	156	C11H24	002847-72-5 58
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0 50
4	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0 50
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7 47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG2H9

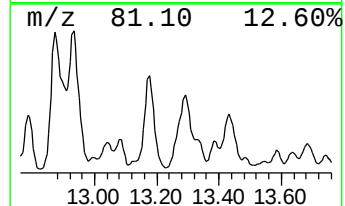
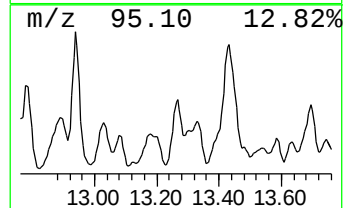
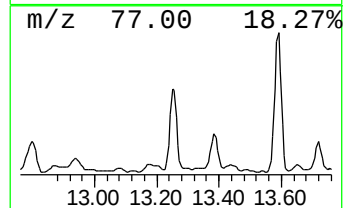
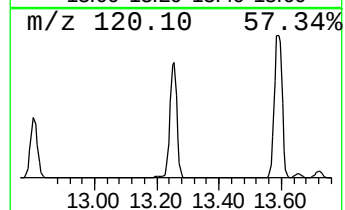
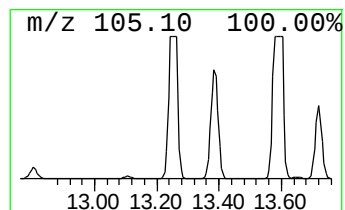
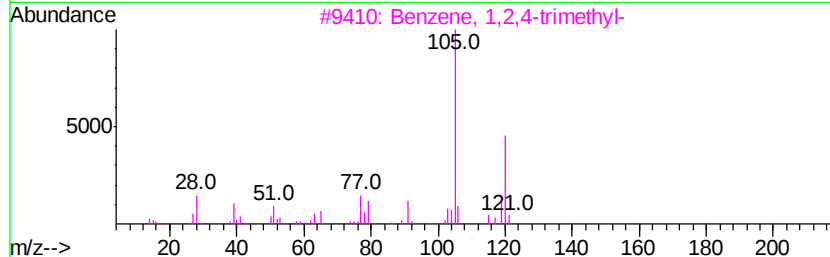
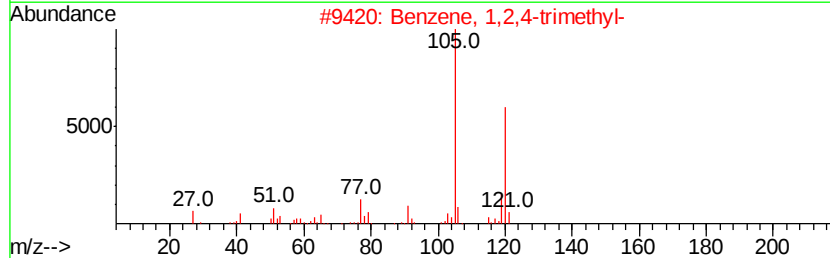
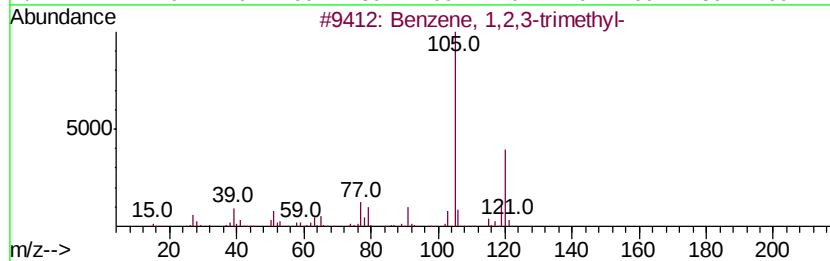
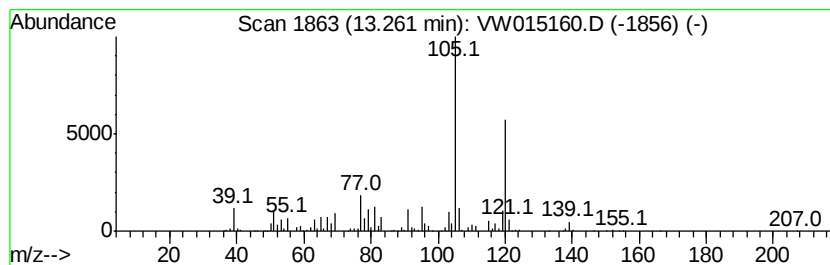
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 1,2,3-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	17.23 ug/L	78449700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

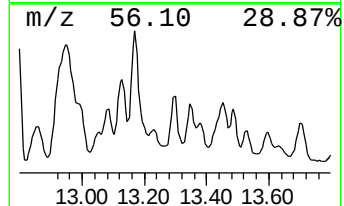
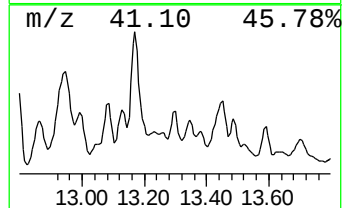
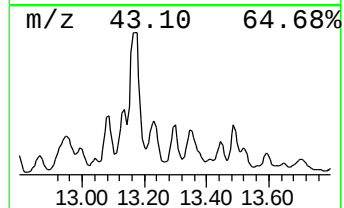
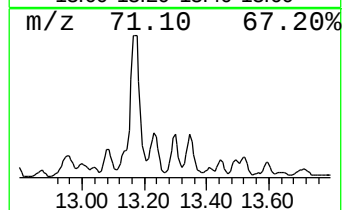
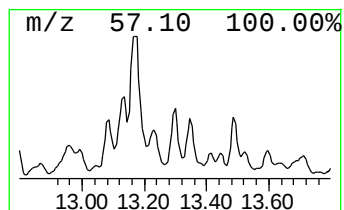
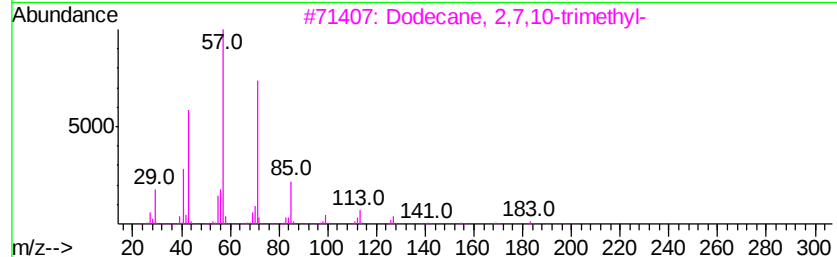
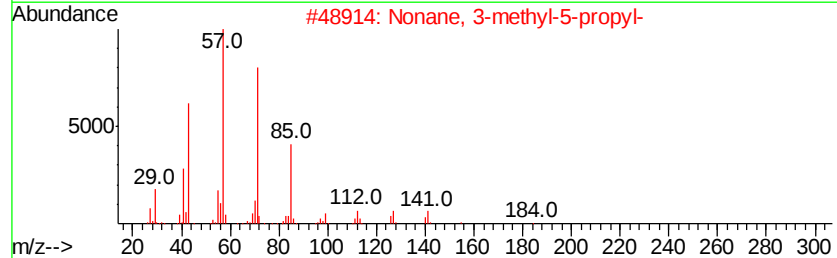
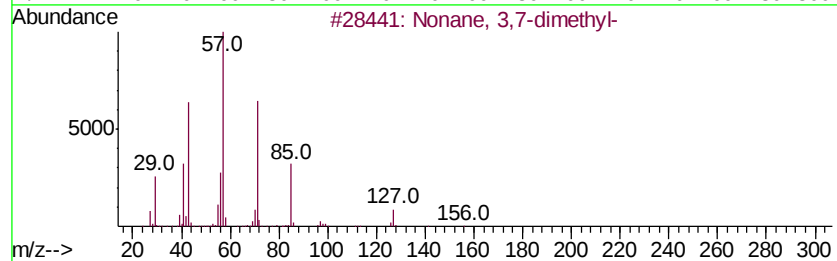
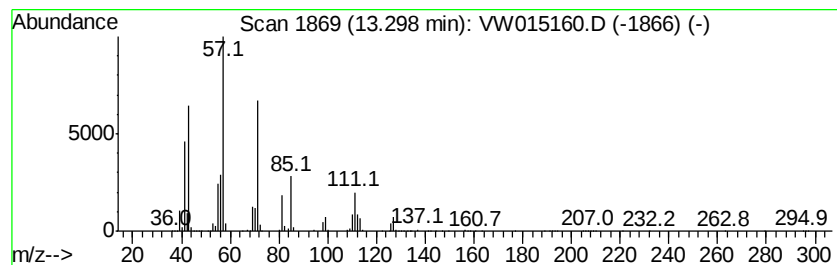
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	5.87 ug/L	26715400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
2			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
4			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
5			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

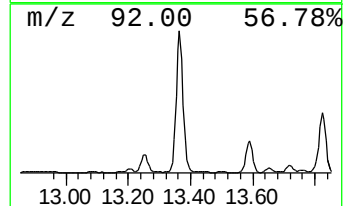
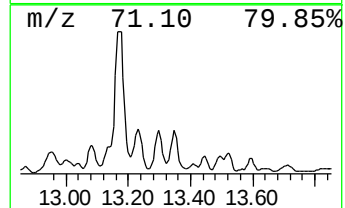
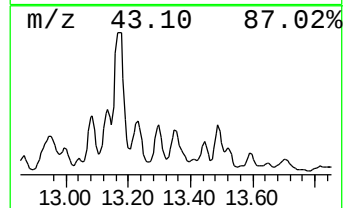
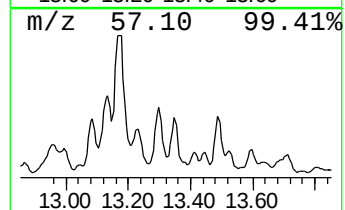
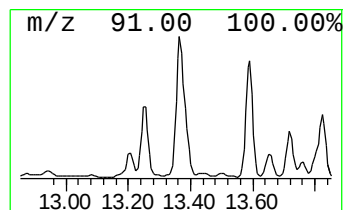
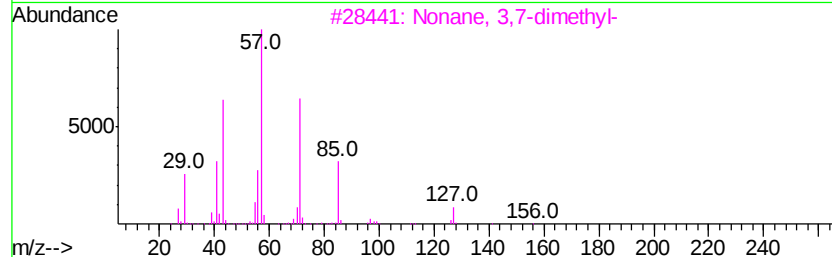
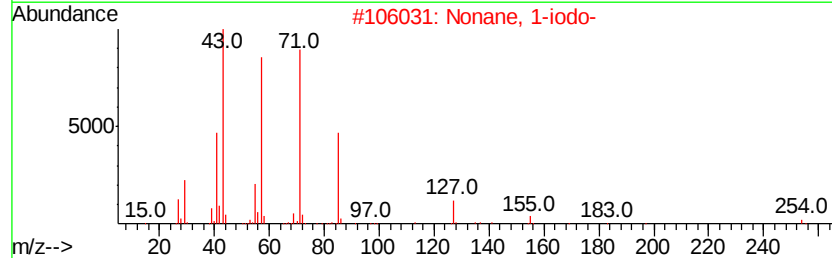
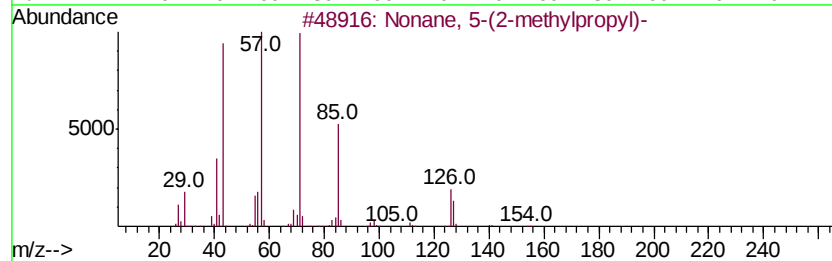
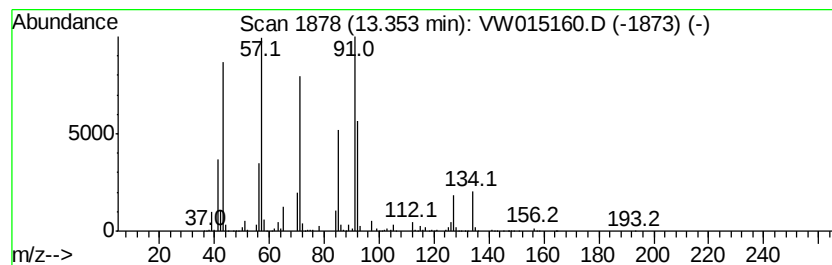
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.30 ug/L	24130500	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
2		Nonane, 1-iodo-	254	C9H19I	004282-42-2	59
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
4		Decane, 3-methyl-	156	C11H24	013151-34-3	49
5		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

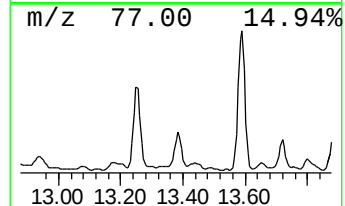
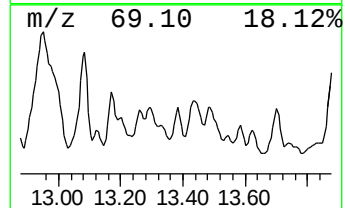
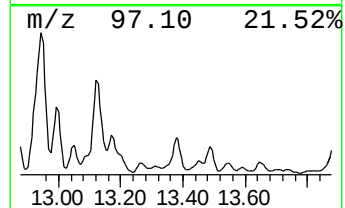
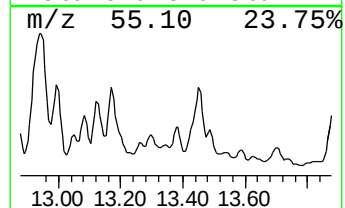
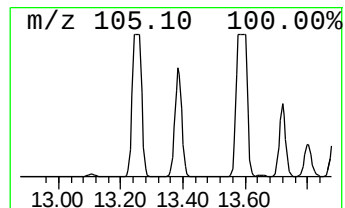
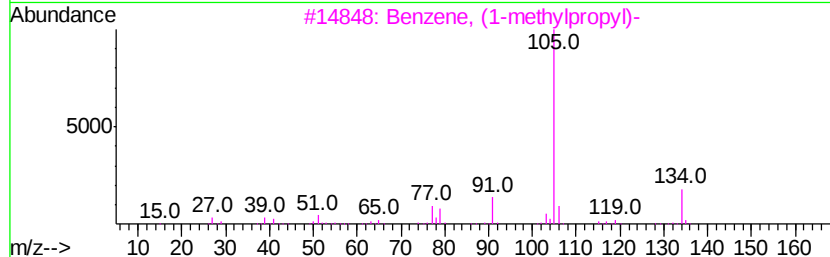
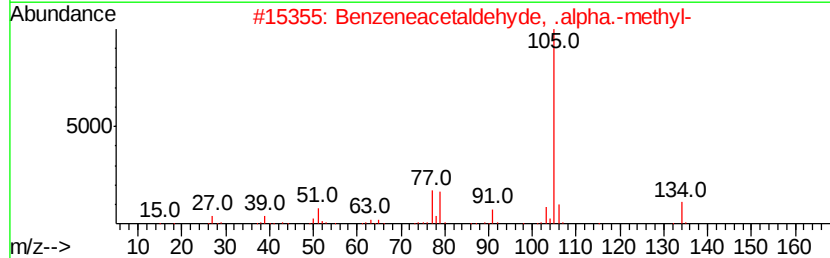
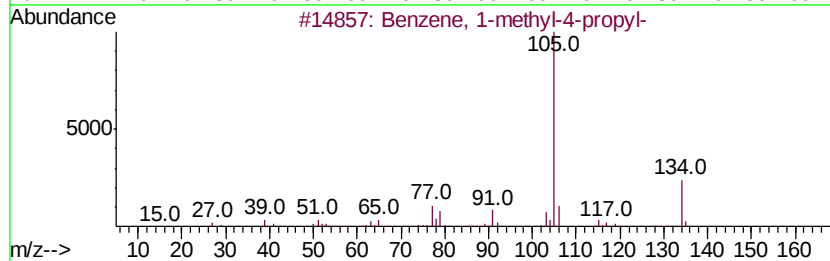
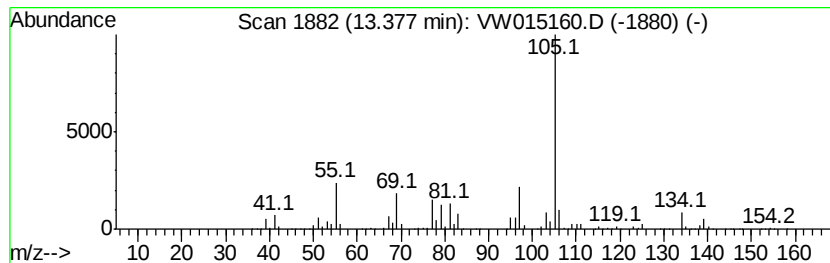
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 55 unknown-03 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	7.91 ug/L	35991300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49
2		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	47
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	47
4		Benzene, 1-(chloromethyl)-3-methyl-	140	C8H9Cl	000620-19-9	43
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

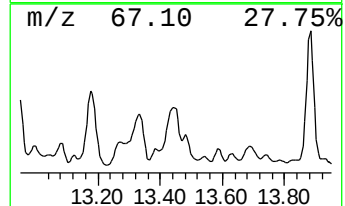
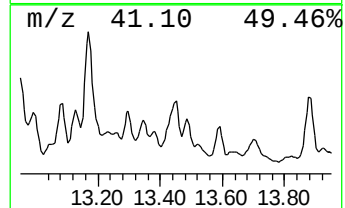
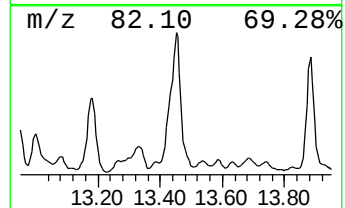
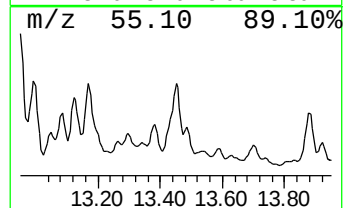
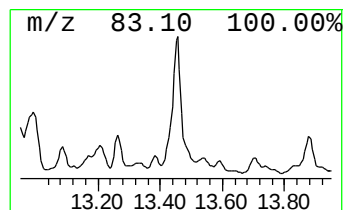
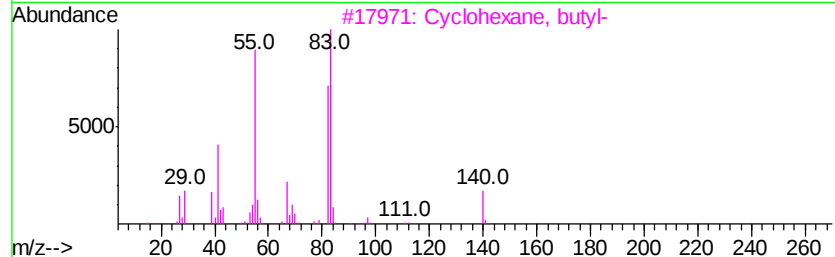
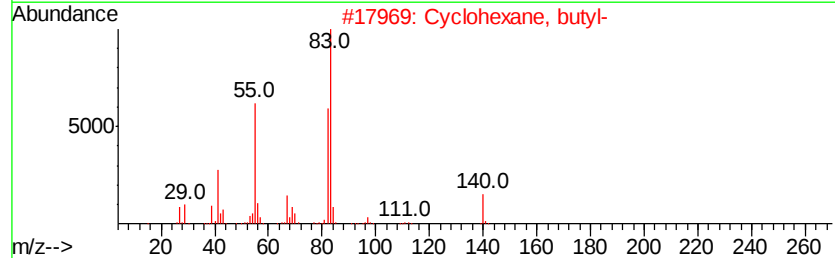
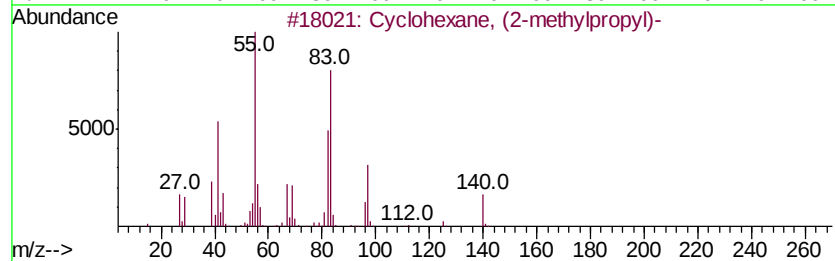
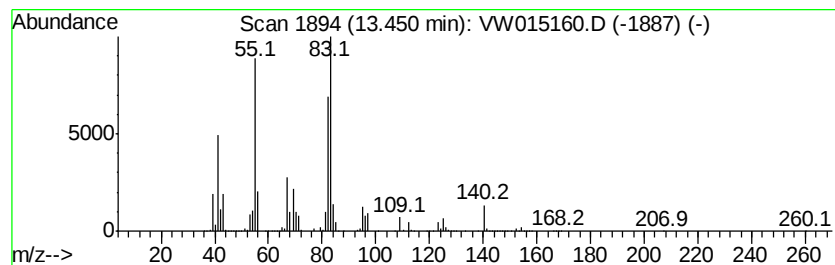
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Cyclic13.45 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	12.99 ug/L	59140000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	86
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	83
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	83
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

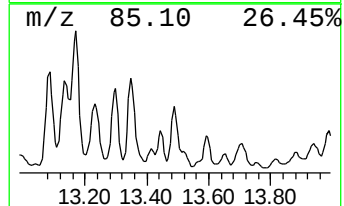
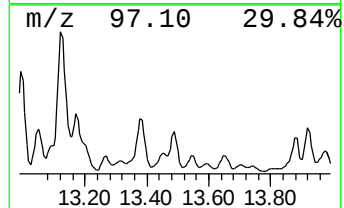
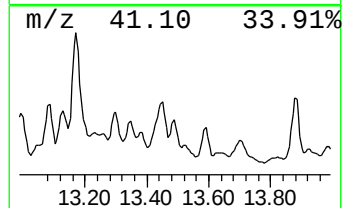
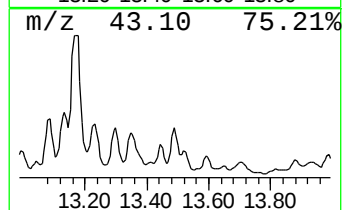
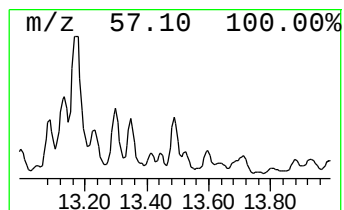
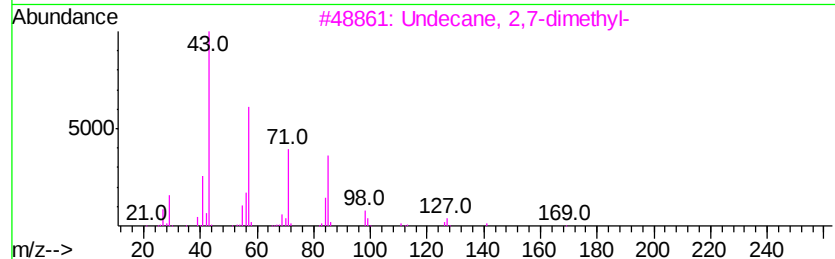
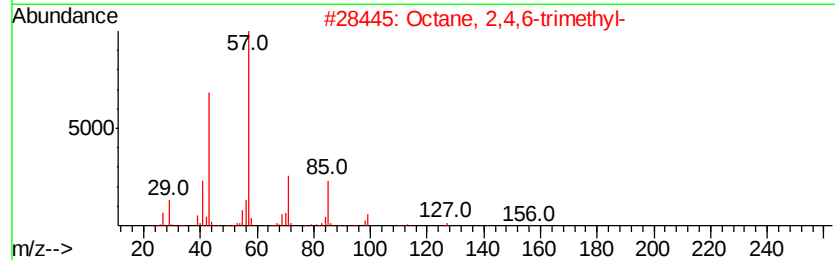
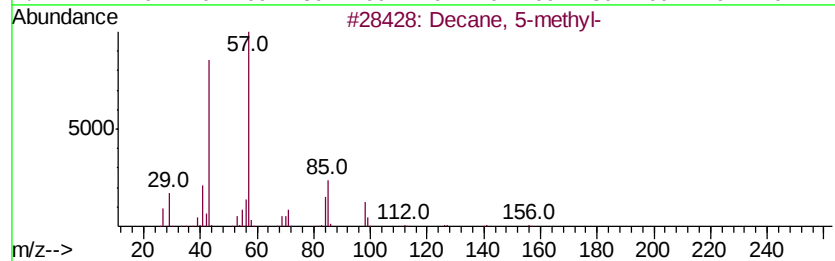
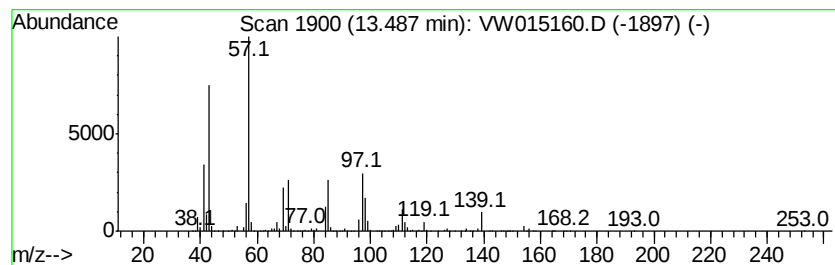
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	4.45 ug/L	20270800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	43
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38
3		Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	38
4		Oxalic acid, 6-ethyloct-3-yl pro...	272	C15H28O4	1000309-34-0	38
5		Decane, 5-methyl-	156	C11H24	013151-35-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

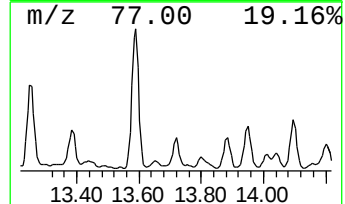
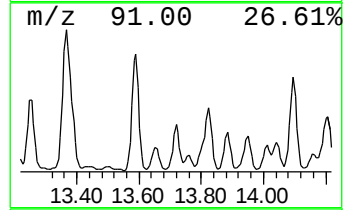
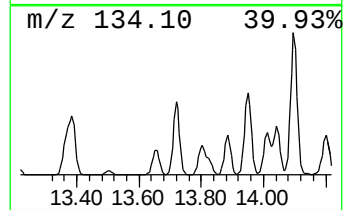
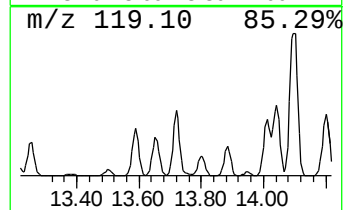
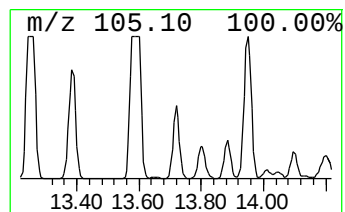
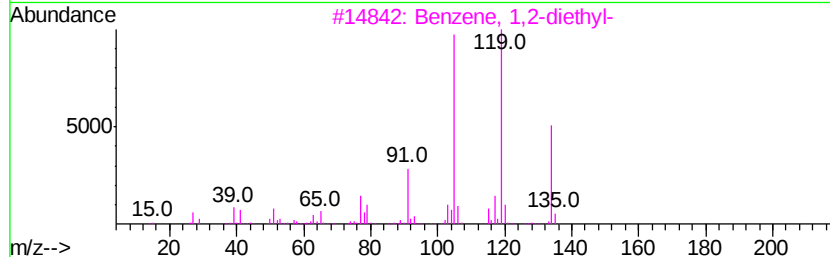
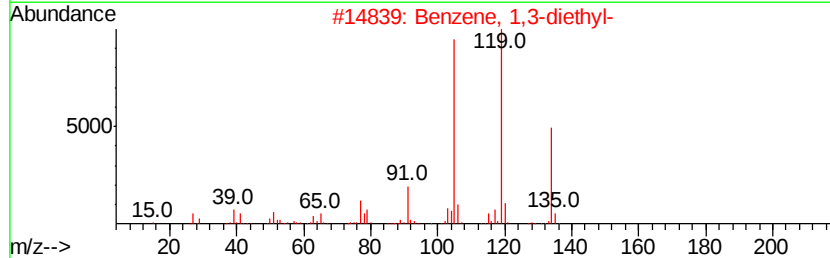
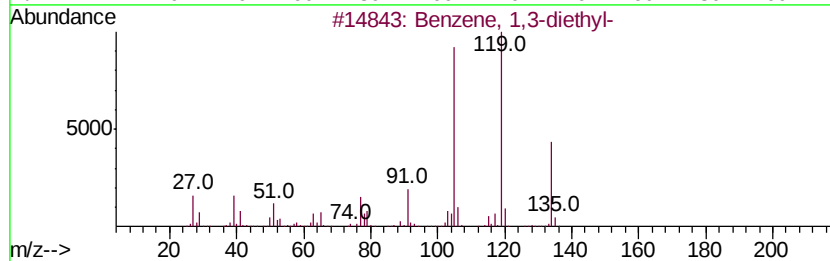
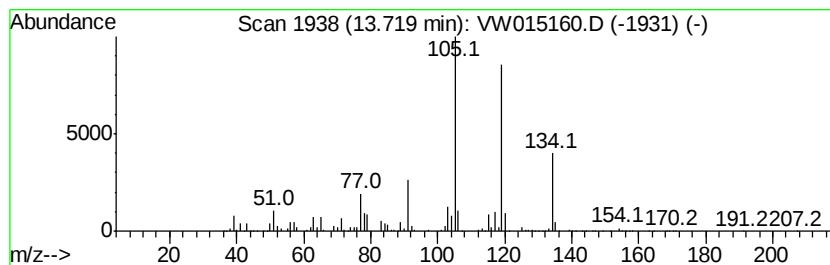
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 58 Benzene, 1,3-diethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	7.20 ug/L	32786300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

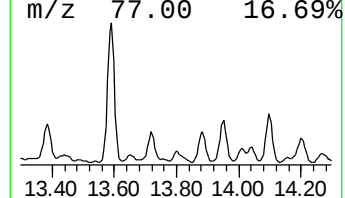
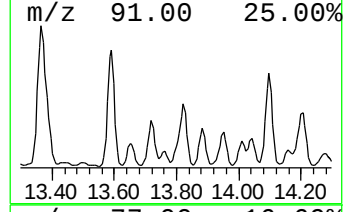
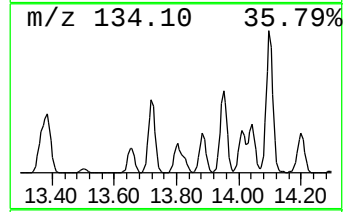
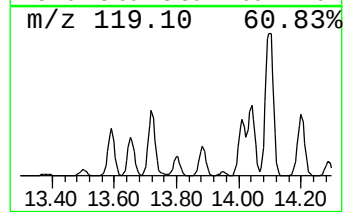
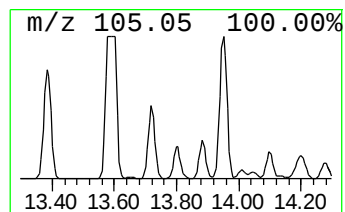
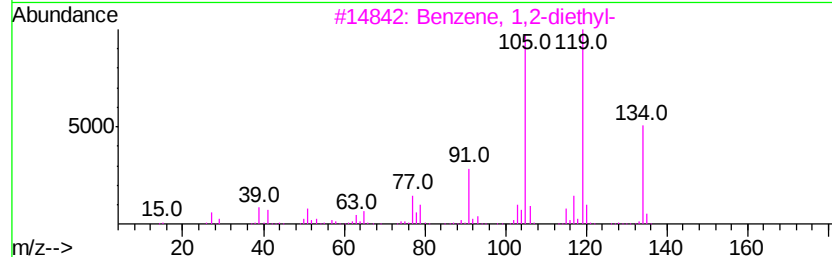
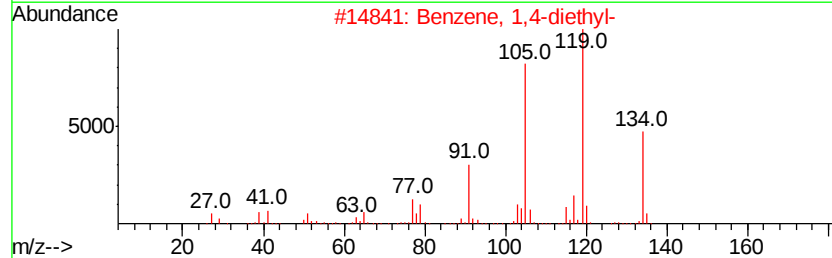
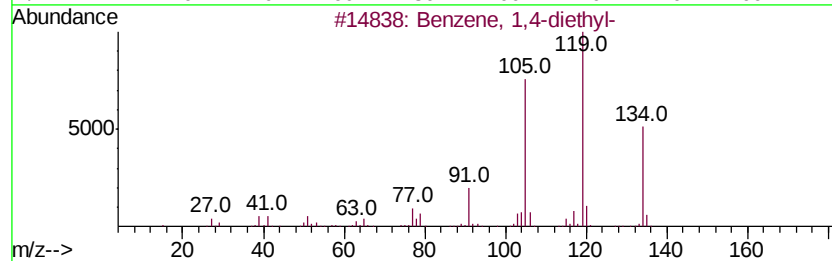
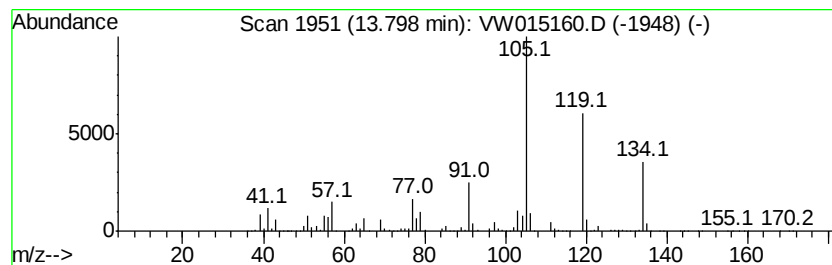
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1,4-diethyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.63 ug/L	16543500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	81
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	72
5		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

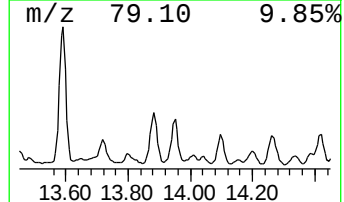
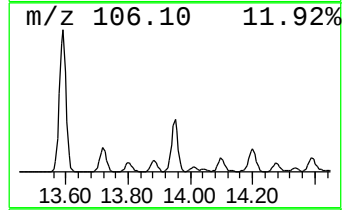
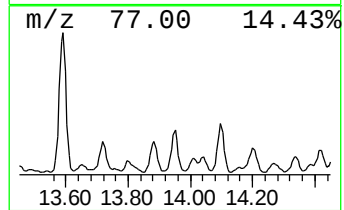
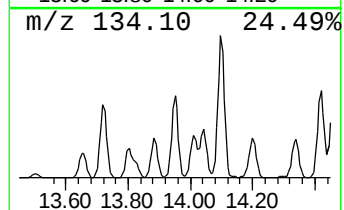
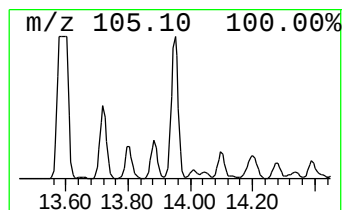
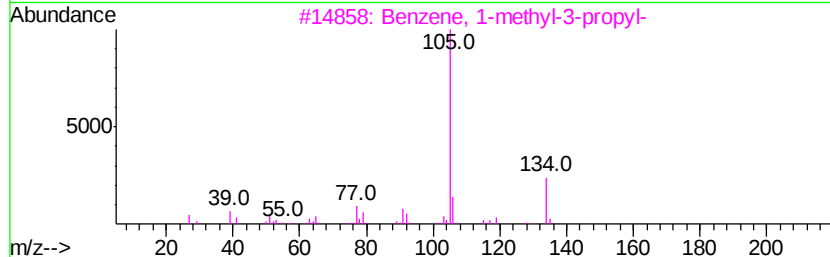
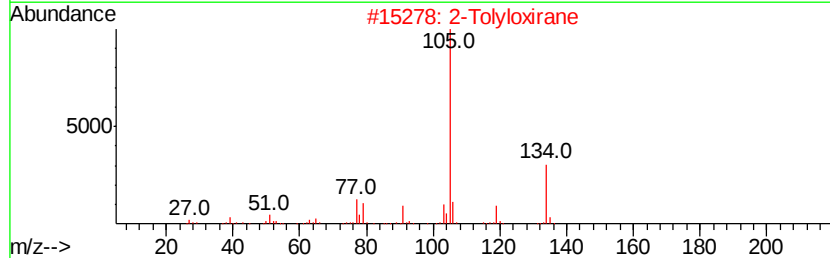
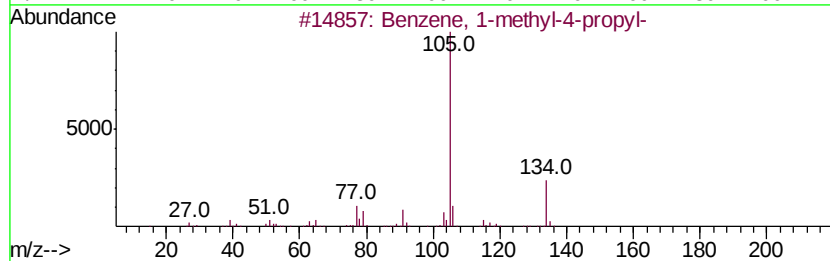
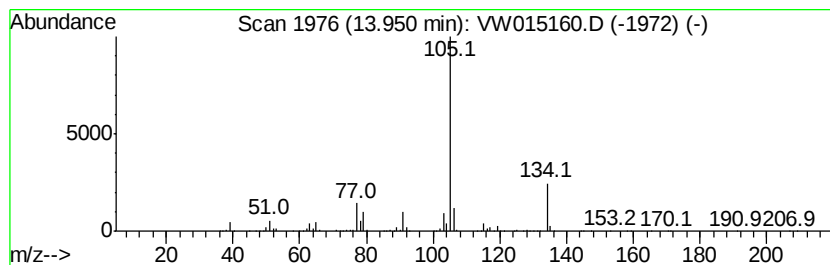
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 60 Benzene, 1-methyl-4-propyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.38 ug/L	19943000	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1 94
2		2-Tolyloxirane	134 C9H10O	002783-26-8 91
3		Benzene, 1-methyl-3-propyl-	134 C10H14	001074-43-7 91
4		Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5 91
5		Benzeneacetaldehyde, .alpha.-met...	134 C9H10O	000093-53-8 91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

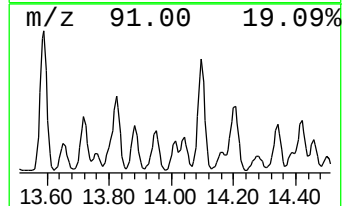
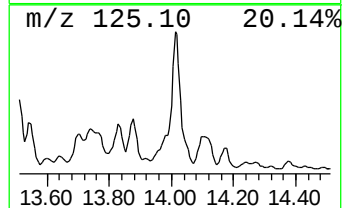
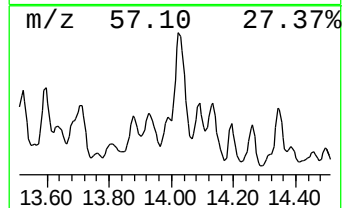
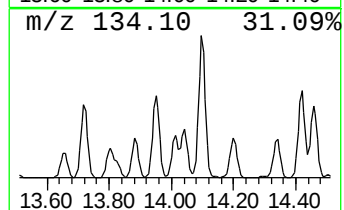
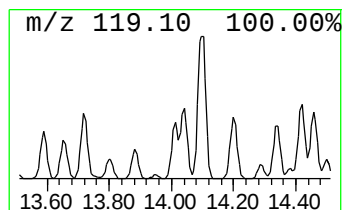
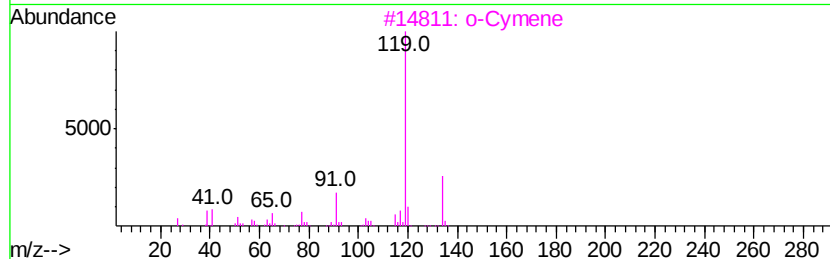
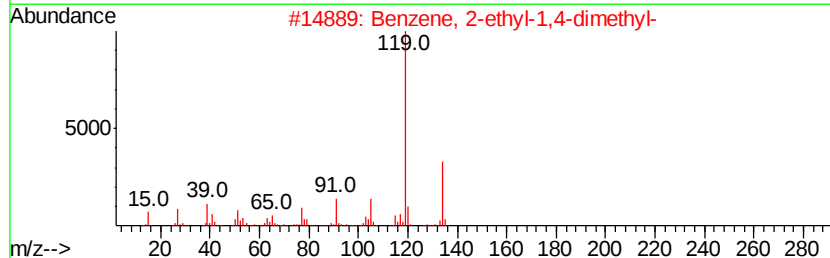
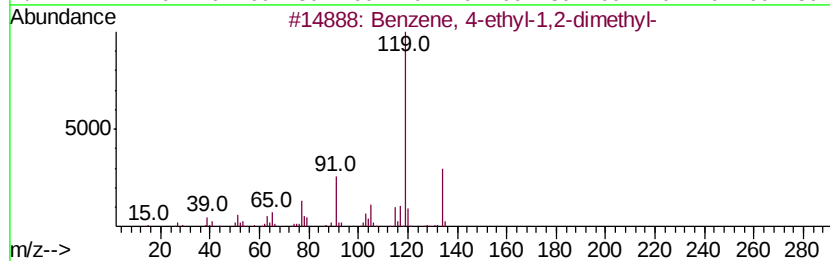
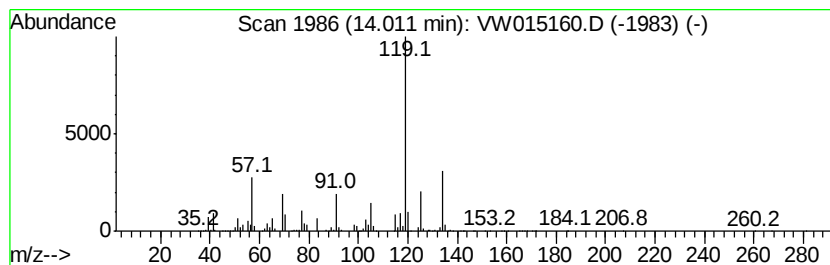
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 61 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.53 ug/L	11497000	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

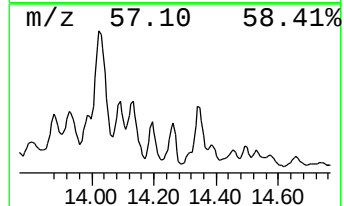
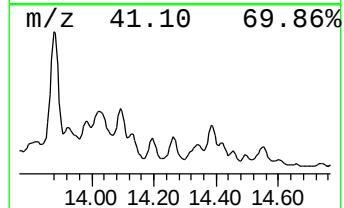
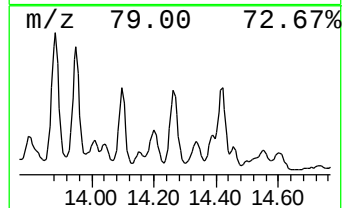
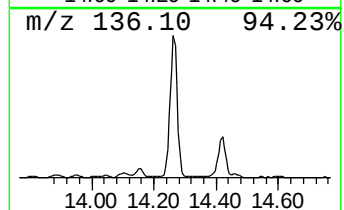
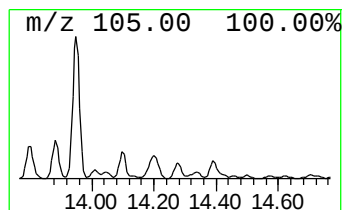
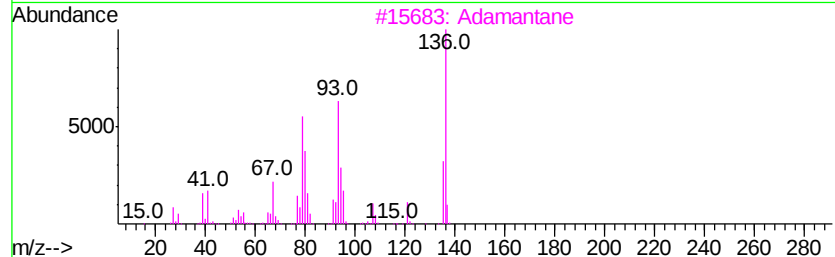
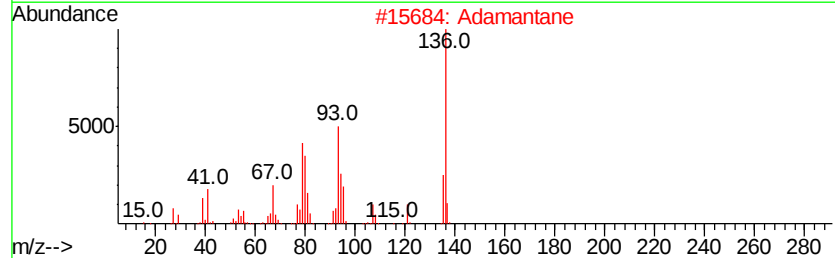
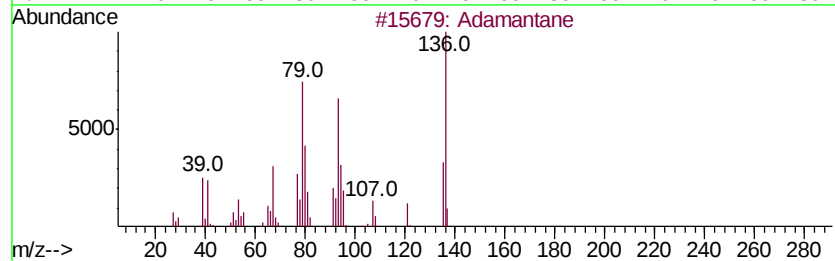
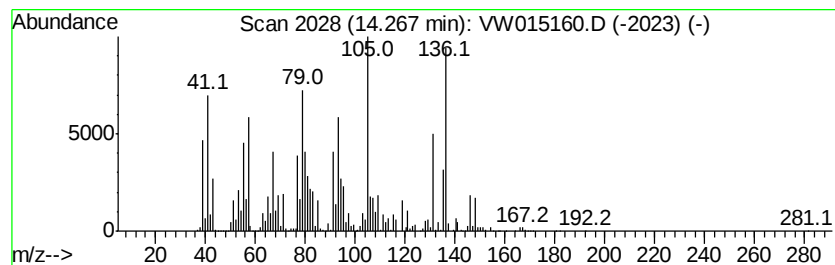
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 64 Adamantane Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	4.01 ug/L	18256800	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Adamantane	136 C10H16	000281-23-2	93
2	Adamantane	136 C10H16	000281-23-2	76
3	Adamantane	136 C10H16	000281-23-2	70
4	Bicyclo[3.3.1]non-6-en-2-one	136 C9H12O	022482-58-2	53
5	Cyclohexene, 5-methyl-3-(1-methy...	136 C10H16	056816-08-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

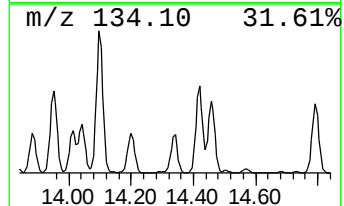
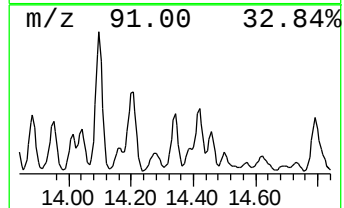
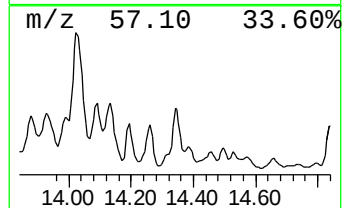
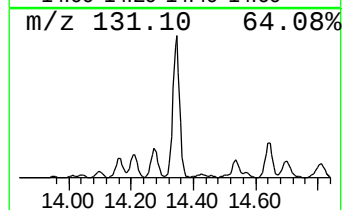
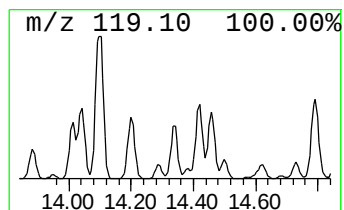
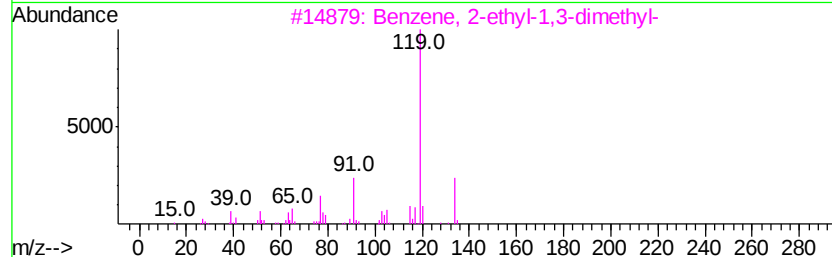
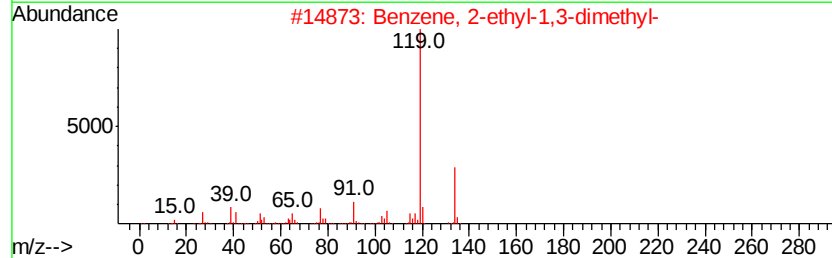
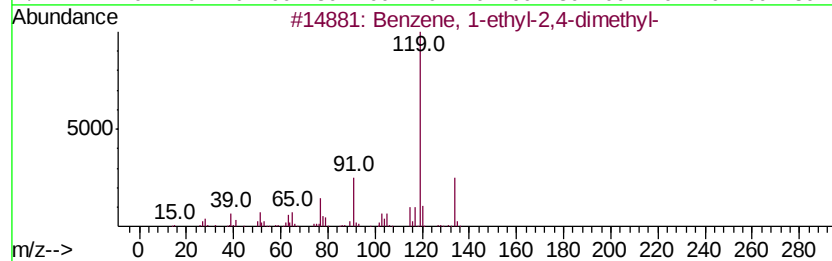
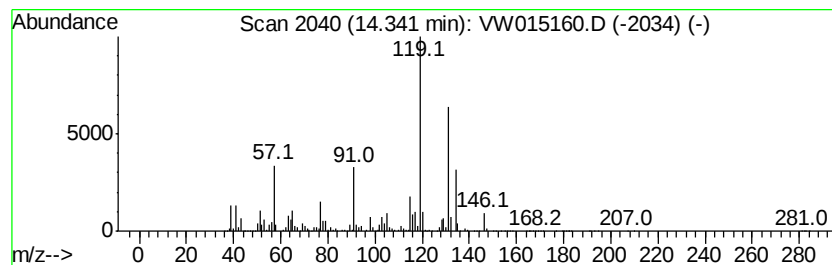
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 65 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	6.46 ug/L	29409800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4		o-Cymene	134	C10H14	000527-84-4	64
5		o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

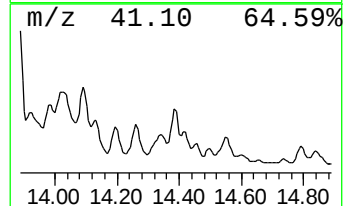
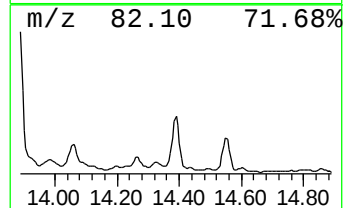
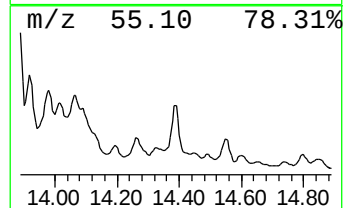
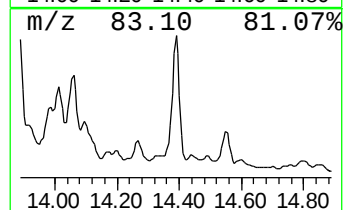
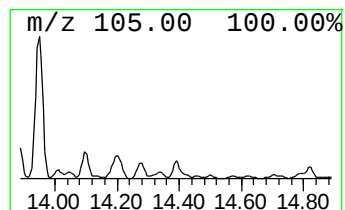
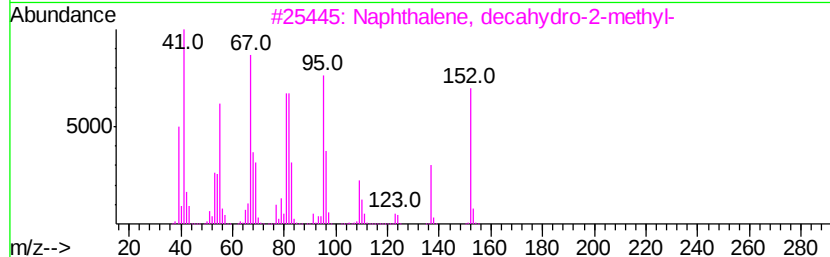
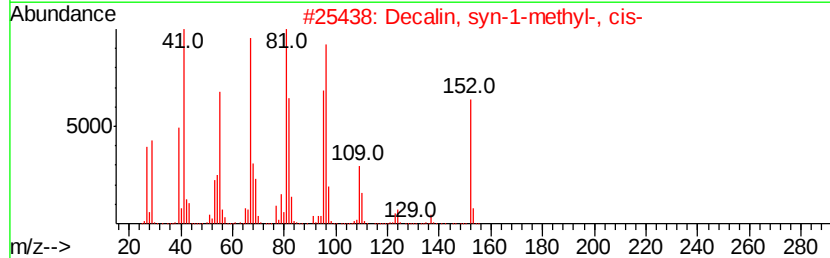
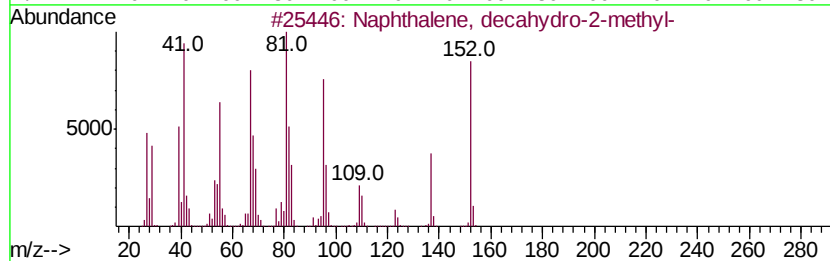
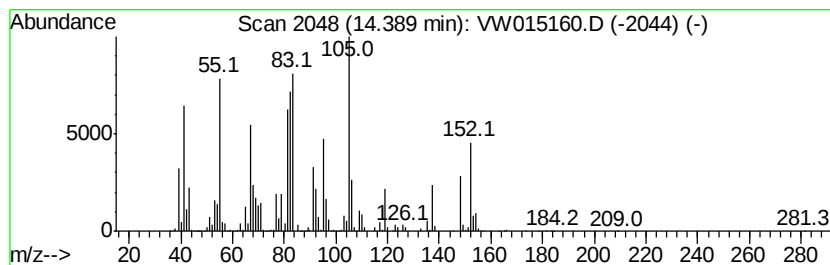
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 66 Naphthalene, decahydro-2-me... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	5.03 ug/L	22915200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	51
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
4		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	50
5		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

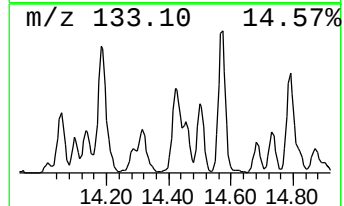
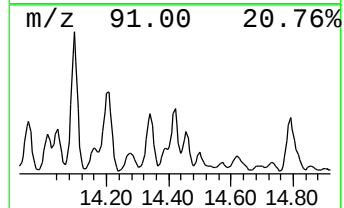
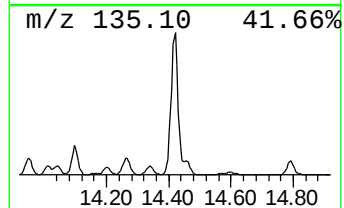
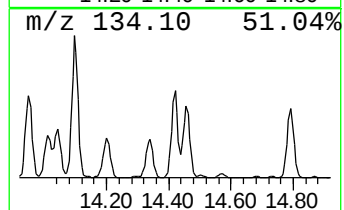
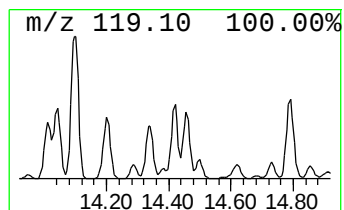
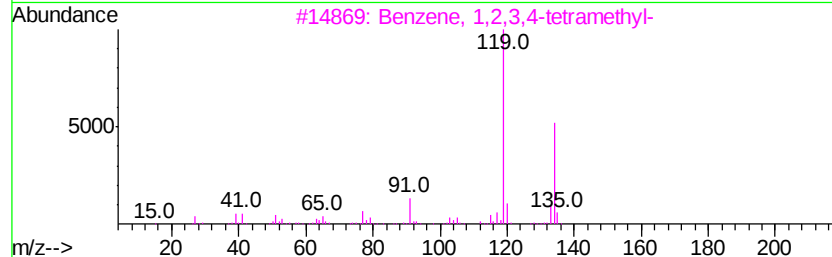
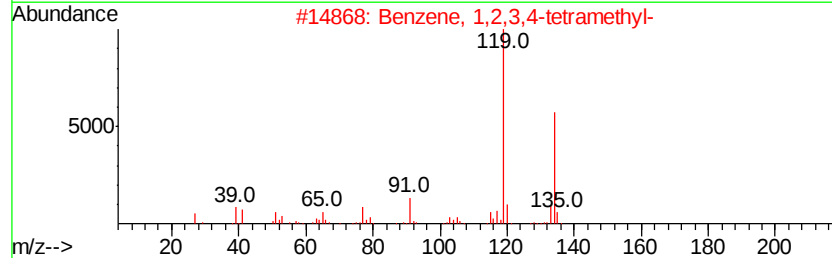
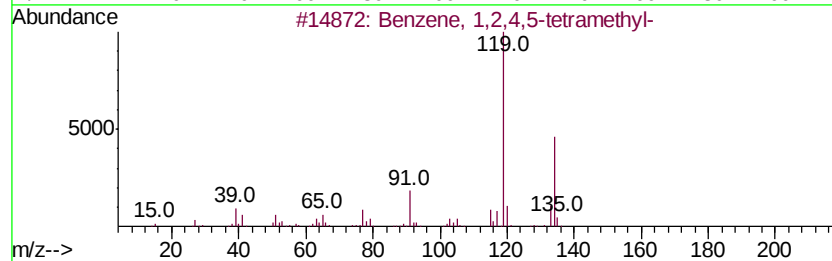
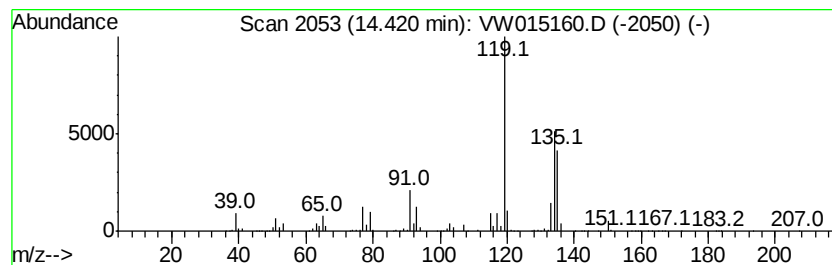
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 67 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	5.86 ug/L	26683400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

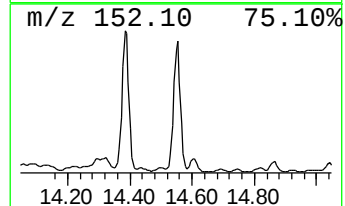
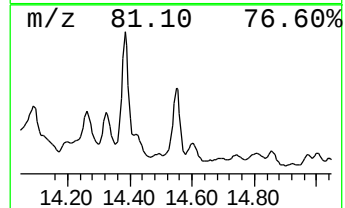
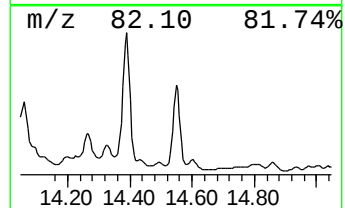
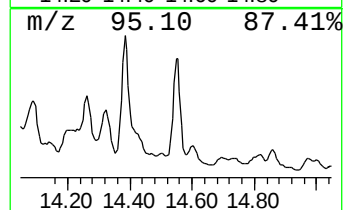
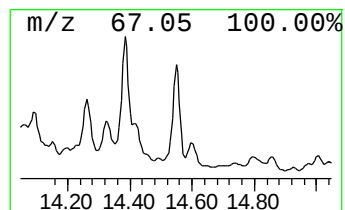
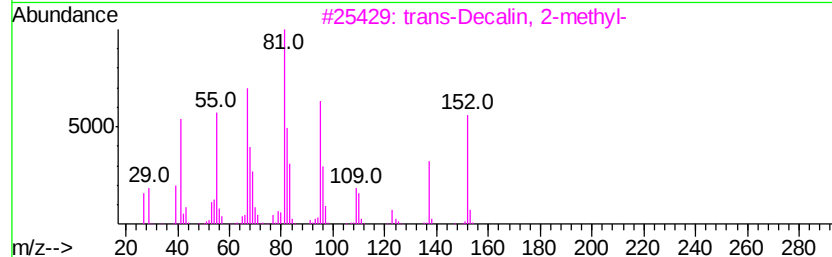
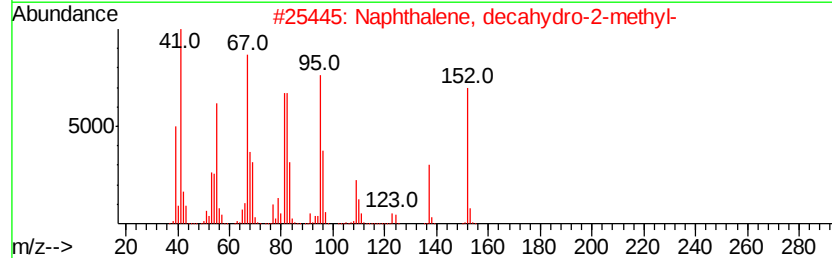
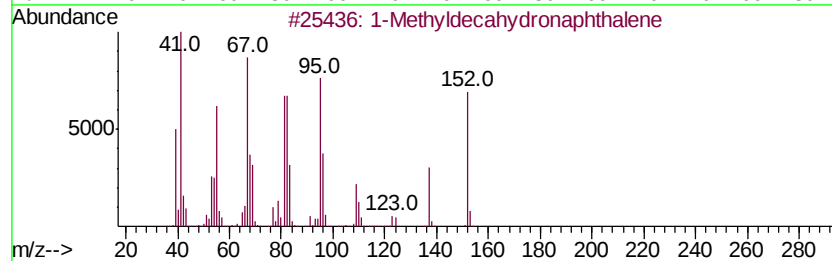
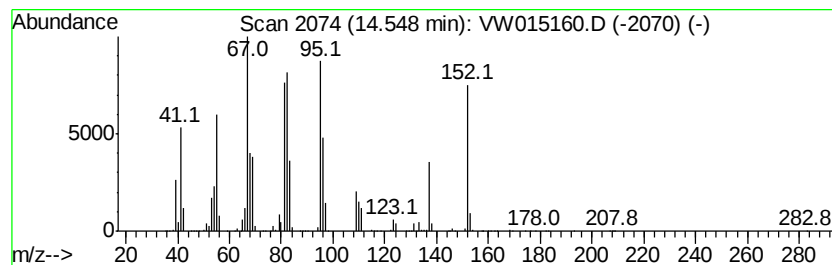
Instrument :
MSVOA_W
ClientSampleId :
BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 69 1-Methyldecahydronaphthalene Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.32 ug/L	10562900	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyldecahydronaphthalene	152 C11H20	002958-75-0 95
2		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 95
3		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 89
4		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 70
5		Bicyclo[3.3.2]decan-9-one	152 C10H16O	028054-91-3 64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

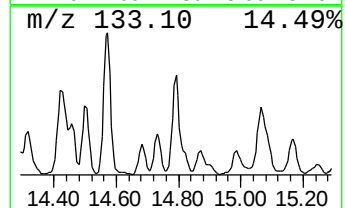
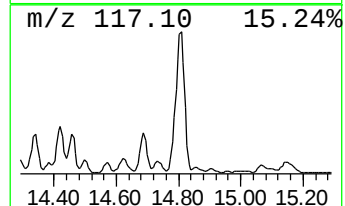
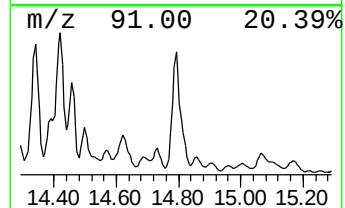
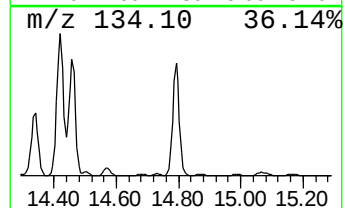
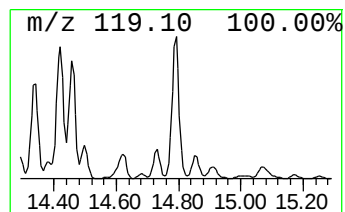
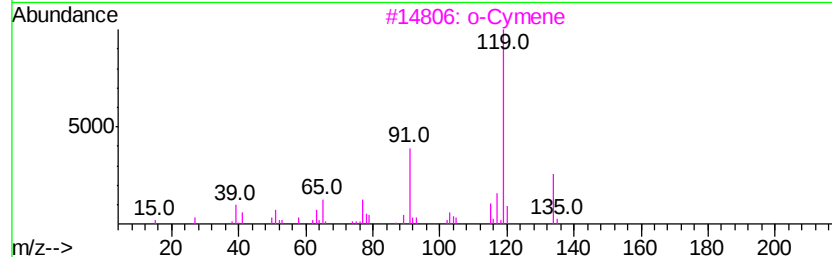
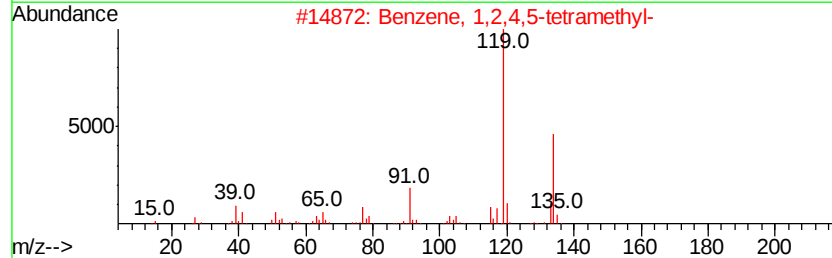
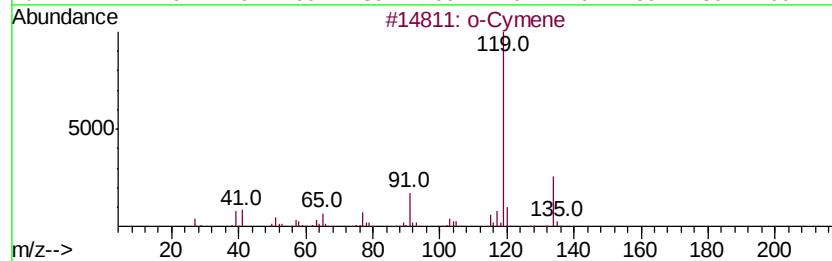
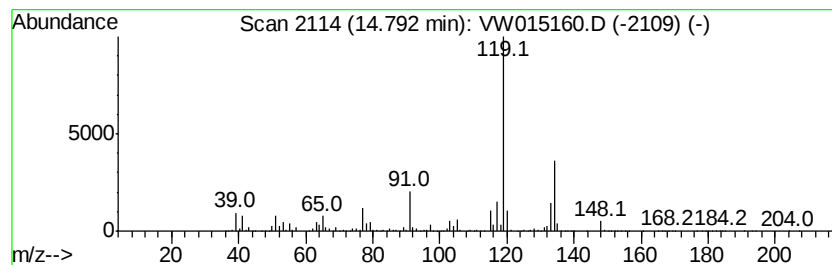
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 70 o-Cymene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	9.46 ug/L	43060300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		o-Cymene	134	C10H14	000527-84-4	93
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040720\
Data File : VW015160.D
Acq On : 07 Apr 2020 13:54
Operator : SY/VA
Sample : L2176-02
Misc : 4.09G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2H9

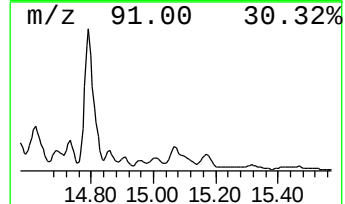
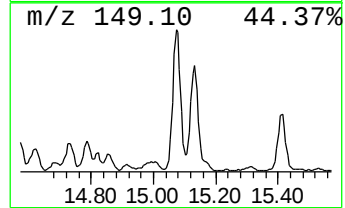
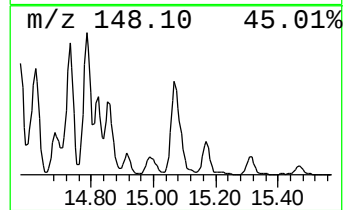
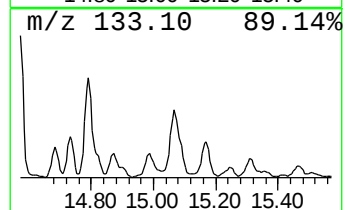
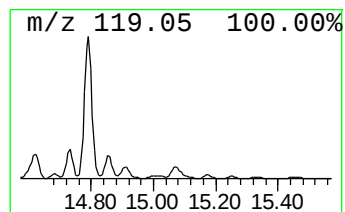
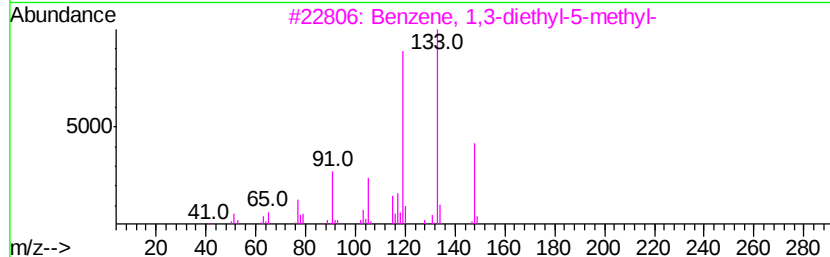
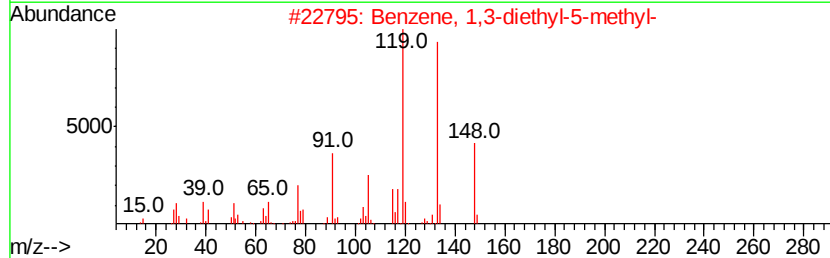
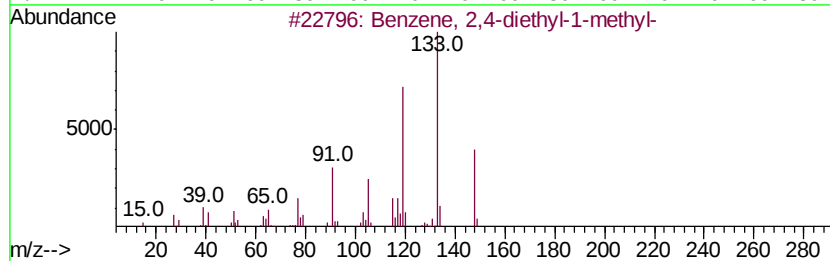
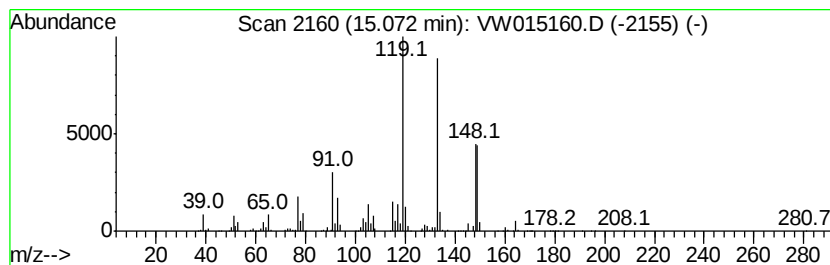
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

Peak Number 71 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	1.47 ug/L	6708000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
4		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	68
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040720\
 Data File : VW015160.D
 Acq On : 07 Apr 2020 13:54
 Operator : SY/VA
 Sample : L2176-02
 Misc : 4.09G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis

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

						--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: Str...	8.04	22.1	ug/L	1466760	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	8.16	7.4	ug/L	489471	1	8.84	1659970	25.0	
(DEL) Alkane: Cyc...	8.43	36.4	ug/L	2417460	1	8.84	1659970	25.0	
(DEL) Alkane: Cyc...	8.51	26.2	ug/L	1742260	1	8.84	1659970	25.0	
(DEL) Alkane: Cyc...	8.57	44.4	ug/L	2948390	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	9.15	90.8	ug/L	6029500	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	9.47	9.8	ug/L	648249	1	8.84	1659970	25.0	
(DEL) Alkane: Cyc...	9.52	51.0	ug/L	3384910	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	9.59	136.1	ug/L	9038170	1	8.84	1659970	25.0	
(DEL) Alkane: Cyc...	9.76	214.3	ug/L	14230800	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	9.90	444.2	ug/L	29495300	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	10.08	348.6	ug/L	23145900	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	10.13	405.9	ug/L	26948500	1	8.84	1659970	25.0	
(DEL) Alkane: Str...	10.26	116.7	ug/L	21643600	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	10.45	76.5	ug/L	14186800	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	10.49	496.7	ug/L	92102600	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	10.67	1188.7	ug/L	220405000	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	10.85	297.9	ug/L	55246500	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.00	11.0	ug/L	2042030	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.05	585.2	ug/L	108507000	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.12	438.5	ug/L	81298900	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.15	397.8	ug/L	73751800	2	11.63	4635510	25.0	
3-Hexyne	11.19	951.0	ug/L	176343000	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.24	533.9	ug/L	98985900	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.29	101.1	ug/L	18736900	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.34	315.3	ug/L	58469500	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.38	146.0	ug/L	27074900	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.44	556.6	ug/L	103206000	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.51	87.3	ug/L	16178700	2	11.63	4635510	25.0	
unknown-01	11.55	18.1	ug/L	3363010	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.82	180.6	ug/L	33479200	2	11.63	4635510	25.0	
(DEL) Alkane: Cyc...	11.88	710.1	ug/L	131670000	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.92	295.7	ug/L	54829400	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	11.98	69.3	ug/L	12842200	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	12.01	5.1	ug/L	945472	2	11.63	4635510	25.0	
Hexane, 1,1'-oxybis-	12.06	245.0	ug/L	45433900	2	11.63	4635510	25.0	
(S)-(+)-6-Methyl-...	12.14	1065.5	ug/L	197573000	2	11.63	4635510	25.0	
1-Undecyne	12.19	34.4	ug/L	6381750	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	12.26	487.7	ug/L	90435000	2	11.63	4635510	25.0	
1H-Indene, octahy...	12.35	965.8	ug/L	179083000	2	11.63	4635510	25.0	
(DEL) Alkane: Str...	12.54	351.6	ug/L	65188500	2	11.63	4635510	25.0	
Ethanone, 1-cyclo...	12.62	6.1	ug/L	27643600	3	13.56	113820000	25.0	
(DEL) Alkane: Str...	12.75	1.4	ug/L	6283380	3	13.56	113820000	25.0	
unknown-02	12.87	12.2	ug/L	55378600	3	13.56	113820000	25.0	
(DEL) Alkane: Cyc...	12.94	26.7	ug/L	121362000	3	13.56	113820000	25.0	
(DEL) Alkane: Str...	12.99	6.7	ug/L	30414400	3	13.56	113820000	25.0	
(DEL) Alkane: Cyc...	13.05	1.4	ug/L	6178120	3	13.56	113820000	25.0	
(DEL) Alkane: Str...	13.08	7.3	ug/L	33002500	3	13.56	113820000	25.0	
(DEL) Alkane: Cyc...	13.13	6.5	ug/L	29564800	3	13.56	113820000	25.0	

(DEL) Alkane: Str...	13.17	26.4 ug/L	120323000	3	13.56	113820000	25.0
Benzene, 1,2,3-tr...	13.26	17.2 ug/L	78449700	3	13.56	113820000	25.0
(DEL) Alkane: Str...	13.30	5.9 ug/L	26715400	3	13.56	113820000	25.0
(DEL) Alkane: Str...	13.35	5.3 ug/L	24130500	3	13.56	113820000	25.0
unknown-03	13.38	7.9 ug/L	35991300	3	13.56	113820000	25.0
(DEL) Alkane: Cyc...	13.45	13.0 ug/L	59140000	3	13.56	113820000	25.0
(DEL) Alkane: Str...	13.49	4.5 ug/L	20270800	3	13.56	113820000	25.0
Benzene, 1,3-diet...	13.72	7.2 ug/L	32786300	3	13.56	113820000	25.0
Benzene, 1,4-diet...	13.80	3.6 ug/L	16543500	3	13.56	113820000	25.0
Benzene, 1-methyl...	13.95	4.4 ug/L	19943000	3	13.56	113820000	25.0
Benzene, 4-ethyl-...	14.01	2.5 ug/L	11497000	3	13.56	113820000	25.0
Adamantane	14.27	4.0 ug/L	18256800	3	13.56	113820000	25.0
Benzene, 1-ethyl-...	14.34	6.5 ug/L	29409800	3	13.56	113820000	25.0
Naphthalene, deca...	14.39	5.0 ug/L	22915200	3	13.56	113820000	25.0
Benzene, 1,2,4,5-...	14.42	5.9 ug/L	26683400	3	13.56	113820000	25.0
1-Methyldecahydro...	14.55	2.3 ug/L	10562900	3	13.56	113820000	25.0
o-Cymene	14.79	9.5 ug/L	43060300	3	13.56	113820000	25.0
Benzene, 2,4-diet...	15.07	1.5 ug/L	6708000	3	13.56	113820000	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG2H9