

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010738.D
 Acq On : 08 May 2019 21:12
 Operator : SY/MD
 Sample : K2690-16
 Misc : 6.69G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5162

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_V\METHOD\SOM2VLM050719S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.225	33	42	47	rBV3	3355	6104	0.01%	0.004%
2	1.280	48	59	61	rBV2	5045	9201	0.01%	0.005%
3	1.576	147	151	166	rVB	10444	13351	0.02%	0.008%
4	2.126	314	322	332	rVV2	21342	31435	0.05%	0.019%
5	2.190	332	342	354	rVB	34624	50674	0.08%	0.030%
6	2.312	372	380	390	rBV3	4890	7168	0.01%	0.004%
7	2.534	438	449	450	rBV5	2013	2332	0.00%	0.001%
8	2.666	484	490	491	rBV2	605	503	0.00%	0.000%
9	2.675	491	493	499	rVB	455	448	0.00%	0.000%
10	2.791	520	529	541	rVV3	5028	9176	0.01%	0.005%
11	2.997	585	593	596	rBV3	448	594	0.00%	0.000%
12	3.077	607	618	630	rBV3	9387	19205	0.03%	0.011%
13	3.158	636	643	646	rBV2	268	304	0.00%	0.000%
14	3.212	654	660	666	rVV3	625	1052	0.00%	0.001%
15	3.392	710	716	721	rBV4	882	1321	0.00%	0.001%
16	3.579	770	774	776	rBV3	524	467	0.00%	0.000%
17	3.659	788	799	811	rBV5	4969	12118	0.02%	0.007%
18	3.804	836	844	846	rBV4	1647	2003	0.00%	0.001%
19	3.962	876	893	922	rBV	240888	577985	0.86%	0.342%
20	4.196	962	966	969	rVB2	558	321	0.00%	0.000%
21	4.402	1015	1030	1041	rBV2	13129	32109	0.05%	0.019%
22	4.640	1099	1104	1111	rBV3	452	547	0.00%	0.000%
23	4.720	1111	1129	1146	rBV4	24006	60572	0.09%	0.036%
24	4.814	1146	1158	1172	rVB6	6794	17598	0.03%	0.010%
25	4.958	1183	1203	1226	rBV3	26168	72998	0.11%	0.043%
26	5.097	1226	1246	1260	rBV5	26663	68891	0.10%	0.041%
27	5.228	1272	1287	1294	rBV6	9374	21473	0.03%	0.013%
28	5.370	1321	1331	1349	rVB4	13268	31018	0.05%	0.018%
29	5.540	1369	1384	1408	rBV2	69775	155033	0.23%	0.092%
30	5.666	1414	1423	1439	rBV2	20476	39857	0.06%	0.024%
31	5.823	1449	1472	1487	rBV5	242563	943582	1.40%	0.558%
32	5.961	1488	1515	1528	rVV2	19396329	67297267	100.00%	39.819%
33	6.029	1530	1536	1549	rVB	426915	760453	1.13%	0.450%
34	6.183	1573	1584	1590	rBV	275698	515795	0.77%	0.305%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010738.D
 Acq On : 08 May 2019 21:12
 Operator : SY/MD
 Sample : K2690-16
 Misc : 6.69G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5162

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_V\METHOD\SOM2VLM050719S.M
 Title : VOC Analysis

35	6.257	1591	1607	1645	rVB	13416306	29083176	43.22%	17.208%
36	6.447	1648	1666	1677	rBV3	763079	1974333	2.93%	1.168%
37	6.601	1699	1714	1729	rBV	680953	1425715	2.12%	0.844%
38	6.820	1768	1782	1790	rBV8	16446	39063	0.06%	0.023%
39	6.897	1791	1806	1818	rBV	3139091	5917910	8.79%	3.502%
40	6.961	1819	1826	1834	rVV	188826	291921	0.43%	0.173%
41	7.125	1869	1877	1887	rBV	162576	256376	0.38%	0.152%
42	7.334	1923	1942	1967	rVB	1217426	2851103	4.24%	1.687%
43	7.489	1980	1990	1999	rBV4	76409	151729	0.23%	0.090%
44	7.611	2018	2028	2042	rVB	570324	902237	1.34%	0.534%
45	7.701	2048	2056	2066	rVB2	169117	274095	0.41%	0.162%
46	7.833	2086	2097	2108	rBV	84217	145915	0.22%	0.086%
47	7.887	2108	2114	2121	rBV5	10124	16623	0.02%	0.010%
48	8.125	2171	2188	2210	rBV3	131551	264352	0.39%	0.156%
49	8.254	2217	2228	2230	rBV	85682	129290	0.19%	0.076%
50	8.334	2244	2253	2263	rVB	246686	405744	0.60%	0.240%
51	8.395	2263	2272	2281	rBV	153502	263515	0.39%	0.156%
52	8.550	2312	2320	2329	rVB2	40007	68811	0.10%	0.041%
53	8.614	2330	2340	2342	rBV3	109943	150490	0.22%	0.089%
54	8.711	2361	2370	2382	rVB2	392609	667304	0.99%	0.395%
55	8.833	2396	2408	2418	rBV	353289	595572	0.88%	0.352%
56	9.048	2464	2475	2486	rVB7	84688	188287	0.28%	0.111%
57	9.151	2488	2507	2512	rBV4	165129	370375	0.55%	0.219%
58	9.257	2528	2540	2563	rVB5	2843677	6837305	10.16%	4.046%
59	9.363	2564	2573	2585	rVB2	111199	193094	0.29%	0.114%
60	9.460	2594	2603	2605	rBV3	61920	88879	0.13%	0.053%
61	9.518	2616	2621	2639	rVB2	559936	975411	1.45%	0.577%
62	9.723	2677	2685	2686	rBV3	236015	276177	0.41%	0.163%
63	9.756	2688	2695	2704	rVB2	1239910	1899292	2.82%	1.124%
64	9.842	2715	2722	2731	rBV3	814499	1279976	1.90%	0.757%
65	10.061	2784	2790	2798	rBV2	487143	653706	0.97%	0.387%
66	10.228	2835	2842	2845	rBV5	272872	380531	0.57%	0.225%
67	10.264	2846	2853	2871	rVB3	1362458	3232722	4.80%	1.913%
68	10.495	2918	2925	2935	rVB2	910010	1502339	2.23%	0.889%
69	10.556	2936	2944	2949	rBV	1165409	1842718	2.74%	1.090%
70	10.627	2958	2966	2986	rVB	8245805	13102389	19.47%	7.753%
71	10.926	3051	3059	3065	rBV	2599358	3849198	5.72%	2.278%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010738.D
 Acq On : 08 May 2019 21:12
 Operator : SY/MD
 Sample : K2690-16
 Misc : 6.69G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5162

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_V\METHOD\SOM2VLM050719S.M
 Title : VOC Analysis

72	11.080	3100	3107	3112	rBV2	622092	957998	1.42%	0.567%
73	11.202	3138	3145	3152	rBV2	1295835	1883677	2.80%	1.115%
74	11.382	3195	3201	3206	rBV	655395	869841	1.29%	0.515%
75	11.421	3208	3213	3221	rVB	1224707	1586164	2.36%	0.939%
76	11.511	3234	3241	3252	rVB2	1107737	1610051	2.39%	0.953%
77	11.836	3334	3342	3350	rBV	3861092	5262528	7.82%	3.114%
78	11.961	3373	3381	3383	rBV	534801	704522	1.05%	0.417%
79	12.167	3438	3445	3450	rBV2	340663	506403	0.75%	0.300%
80	12.415	3514	3522	3530	rBV6	361372	701208	1.04%	0.415%
81	12.514	3545	3553	3561	rBV2	396971	643869	0.96%	0.381%
82	12.842	3649	3655	3663	rVB3	76490	103291	0.15%	0.061%
83	12.929	3675	3682	3695	rVB2	363403	542982	0.81%	0.321%
84	13.090	3726	3732	3755	rVB8	116456	271751	0.40%	0.161%
85	13.945	3993	3998	4005	rVB	17006	20683	0.03%	0.012%
86	14.476	4157	4163	4167	rBV8	3582	4357	0.01%	0.003%
87	14.800	4258	4264	4267	rBV5	768	984	0.00%	0.001%
88	14.816	4267	4269	4270	rBV2	708	333	0.00%	0.000%
89	14.868	4277	4285	4289	rBV5	3539	4504	0.01%	0.003%
90	14.935	4304	4306	4309	rBV3	656	456	0.00%	0.000%
91	15.022	4330	4333	4340	rBV5	522	558	0.00%	0.000%
92	15.254	4402	4405	4407	rVB	454	294	0.00%	0.000%
93	15.376	4435	4443	4449	rBV6	7931	9942	0.01%	0.006%
94	15.418	4449	4456	4457	rBV4	8338	6885	0.01%	0.004%
95	15.472	4469	4473	4477	rBV5	719	642	0.00%	0.000%
96	15.546	4491	4496	4497	rBV2	676	512	0.00%	0.000%
97	15.820	4578	4581	4582	rBV	712	418	0.00%	0.000%
98	16.006	4636	4639	4642	rBV3	646	396	0.00%	0.000%
99	16.112	4670	4672	4676	rVB2	551	344	0.00%	0.000%
100	16.295	4726	4729	4732	rBV3	470	384	0.00%	0.000%

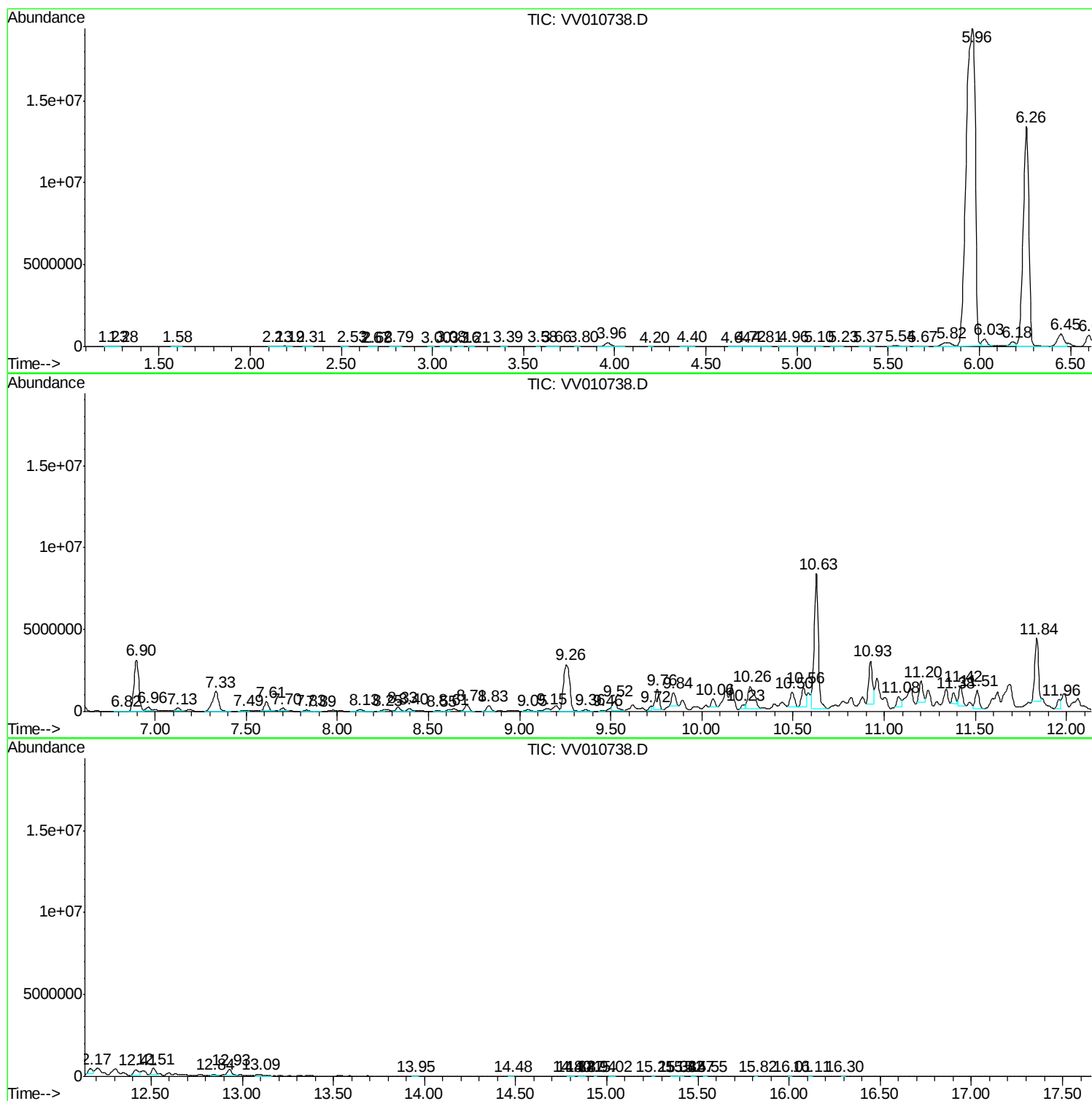
Sum of corrected areas: 169006605

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

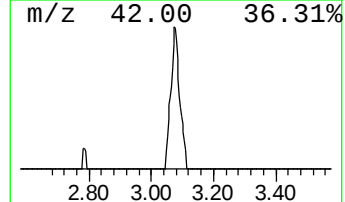
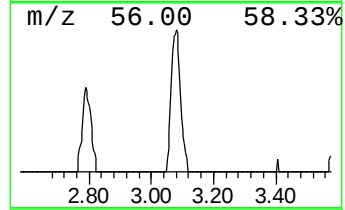
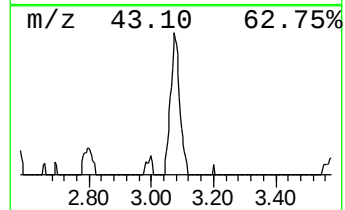
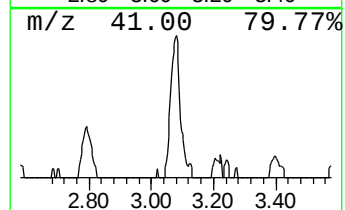
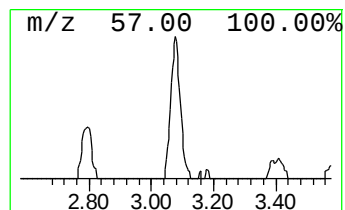
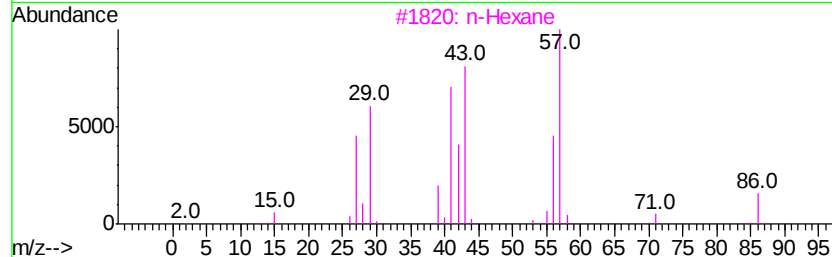
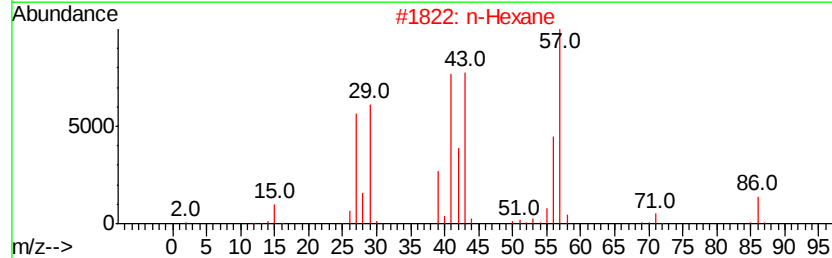
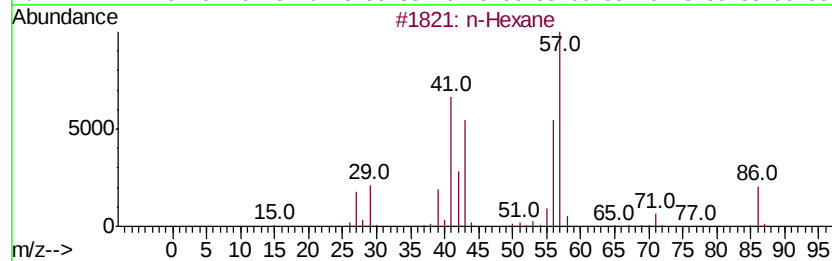
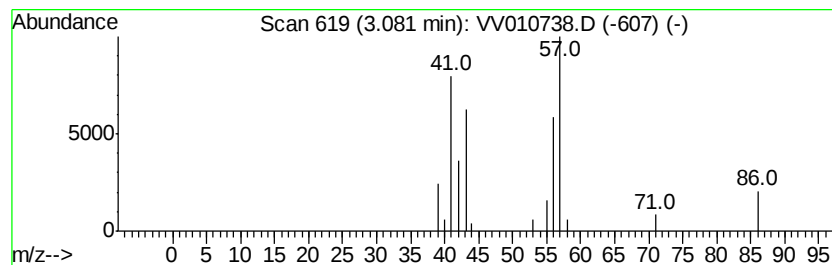
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.08	12.05 ug/L	19205	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	90
2		n-Hexane	86	C6H14	000110-54-3	78
3		n-Hexane	86	C6H14	000110-54-3	40
4		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	33
5		1-Hexene	84	C6H12	000592-41-6	33



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

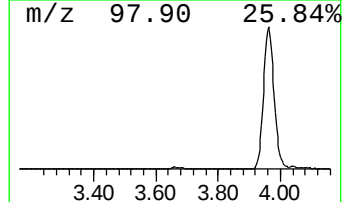
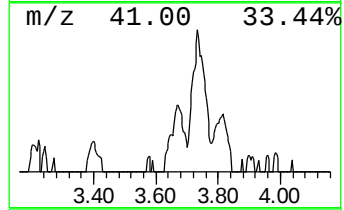
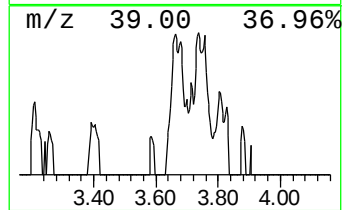
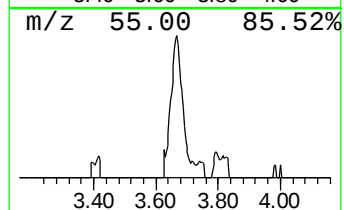
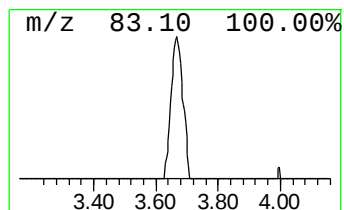
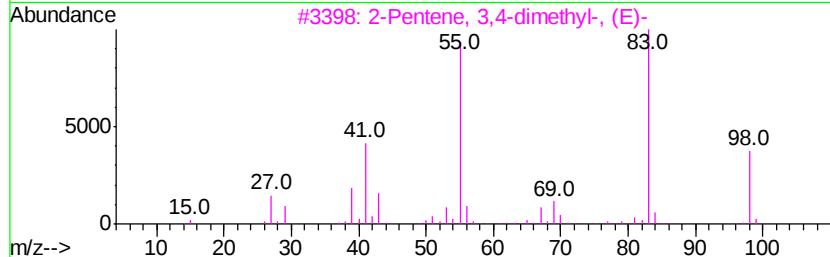
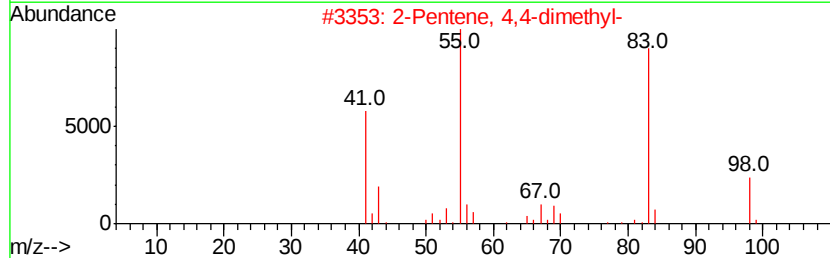
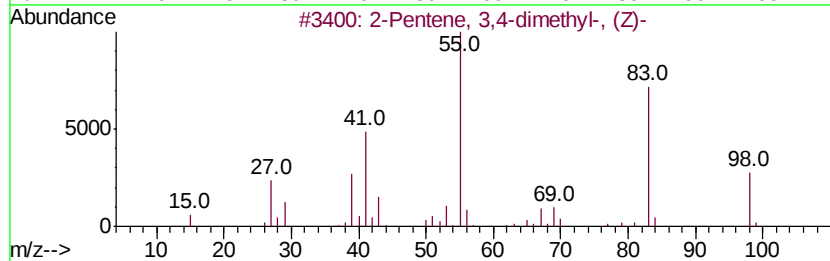
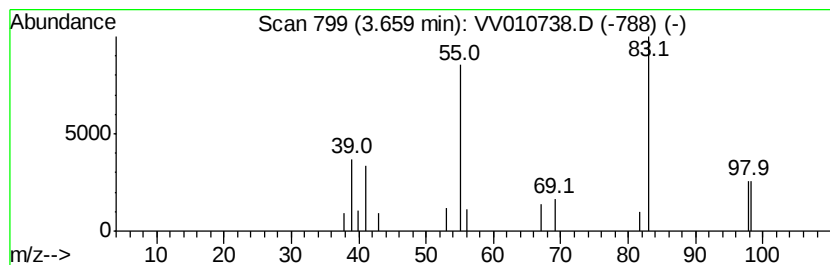
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic3.66 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	7.60 ug/L	12118	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	78
2		2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	78
3		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
4		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	72
5		2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

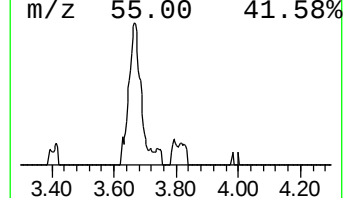
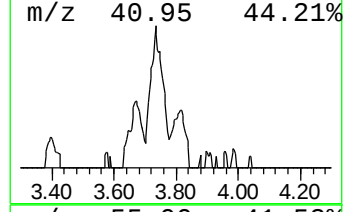
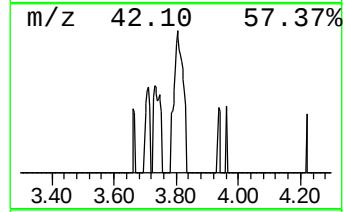
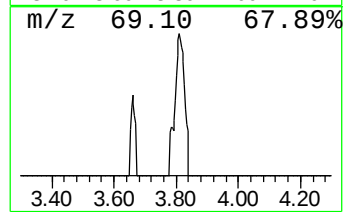
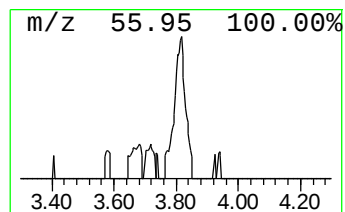
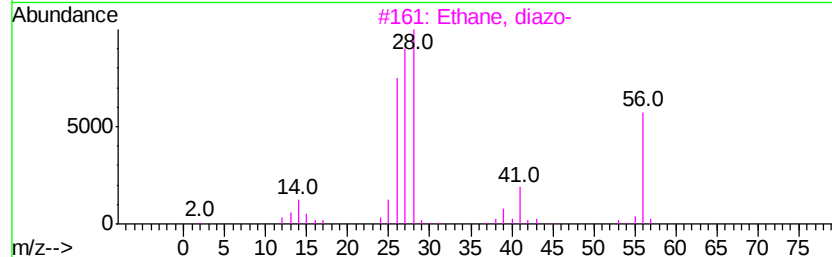
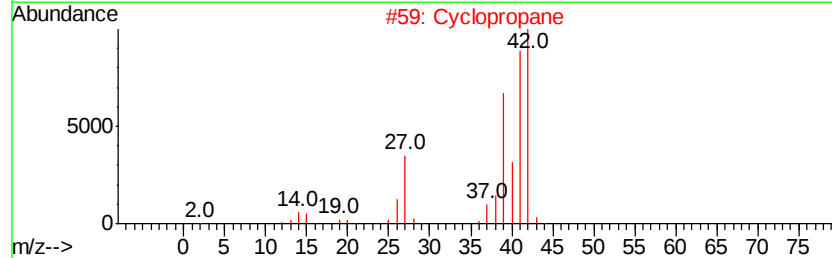
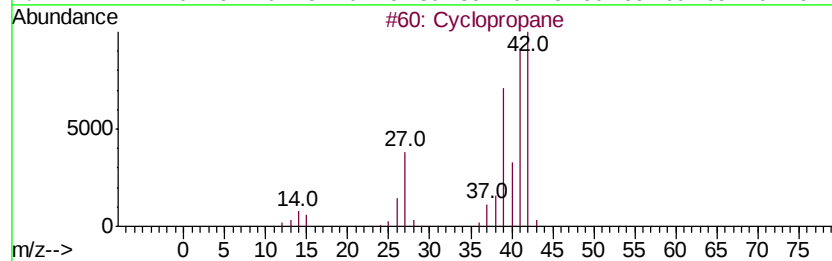
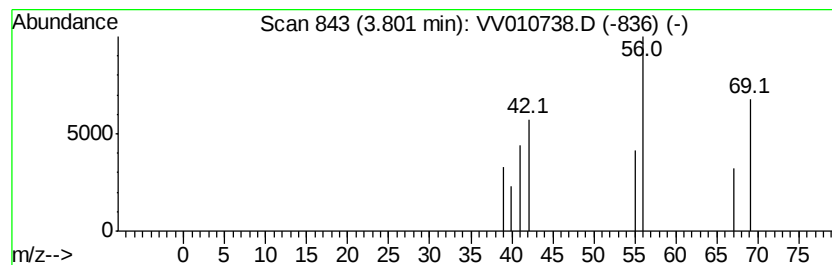
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic3.80 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	1.26 ug/L	2003	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane	42	C3H6	000075-19-4	10
2		Cyclopropane	42	C3H6	000075-19-4	9
3		Ethane, diazo-	56	C2H4N2	001117-96-0	3
4		Ketene	42	C2H2O	000463-51-4	3
5		Methane, diazo-	42	CH2N2	000334-88-3	3



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

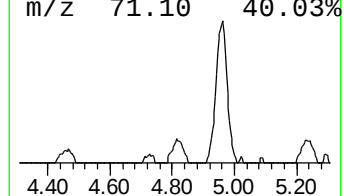
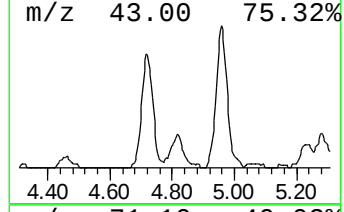
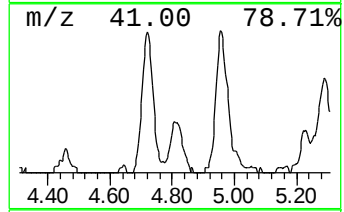
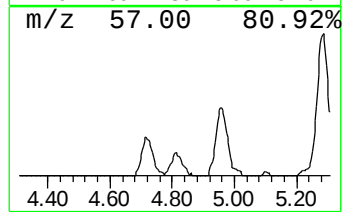
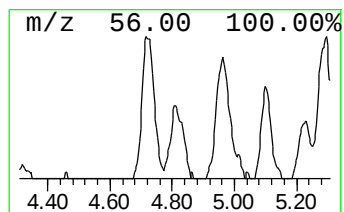
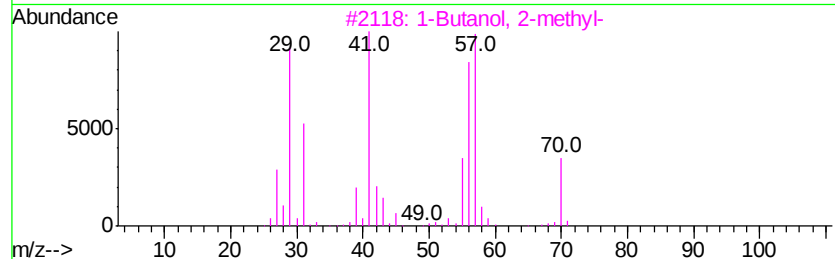
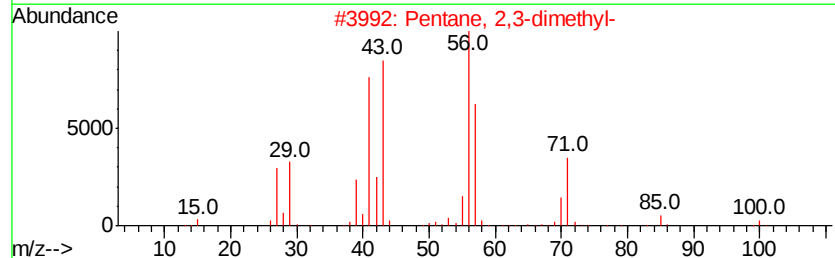
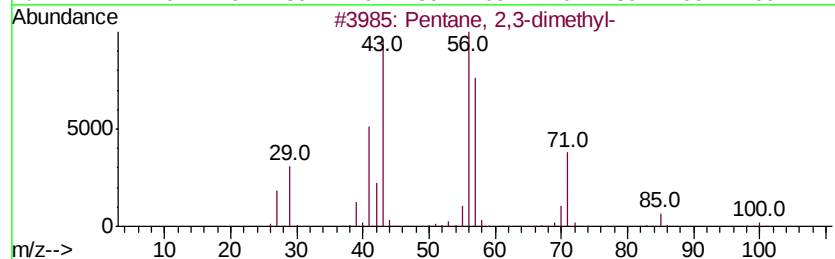
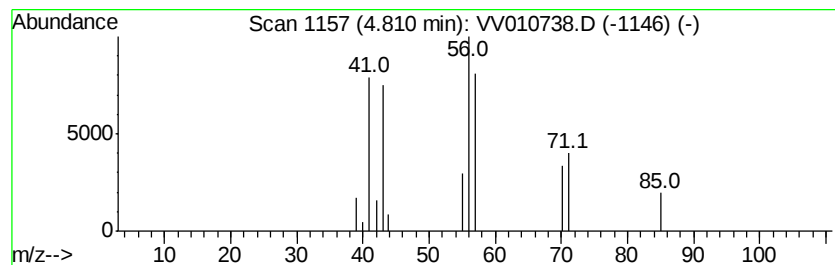
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	11.04 ug/L	17598	1,4-Difluorobenzene	5.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	56
2			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	56
3			1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	47
4			1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	32
5			Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	28



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

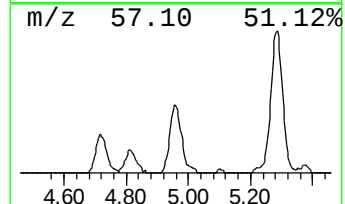
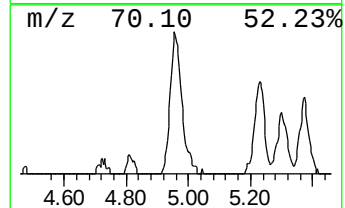
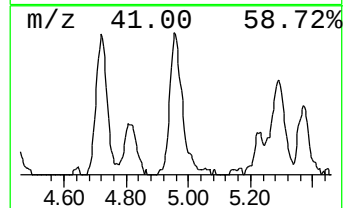
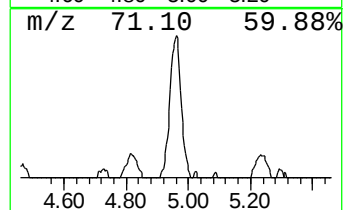
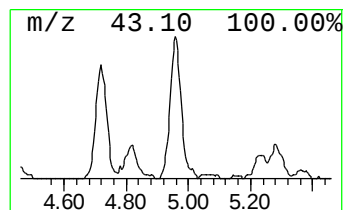
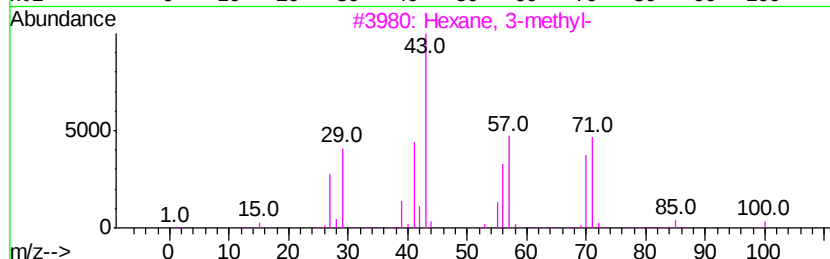
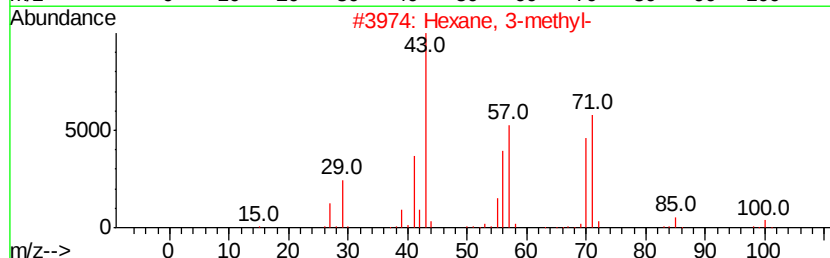
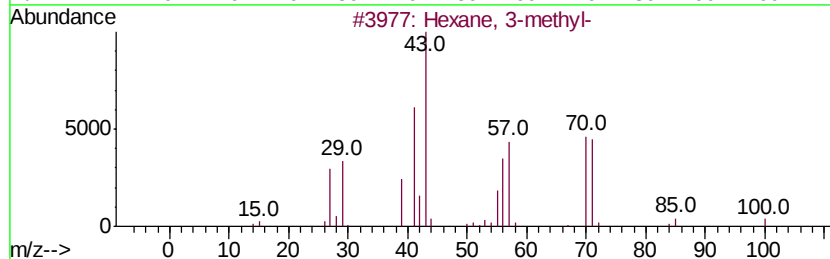
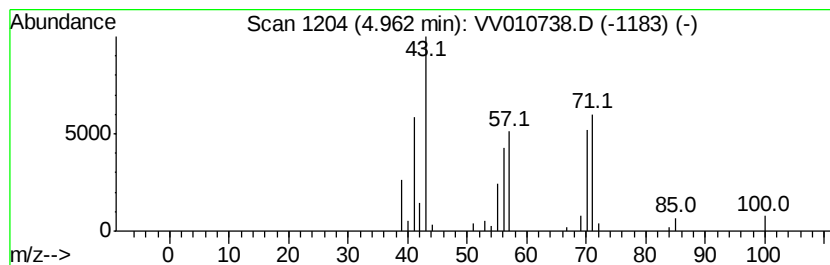
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	45.79 ug/L	72998	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4		Heptane	100	C7H16	000142-82-5	80
5		1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

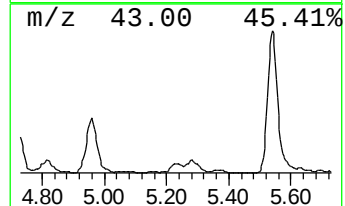
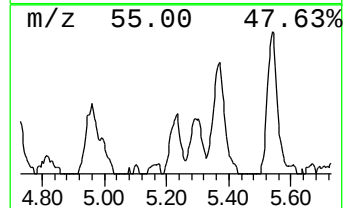
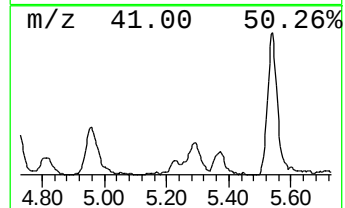
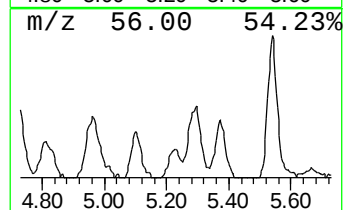
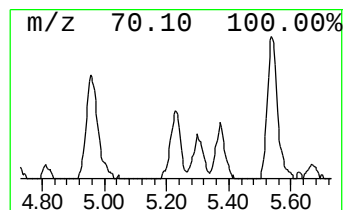
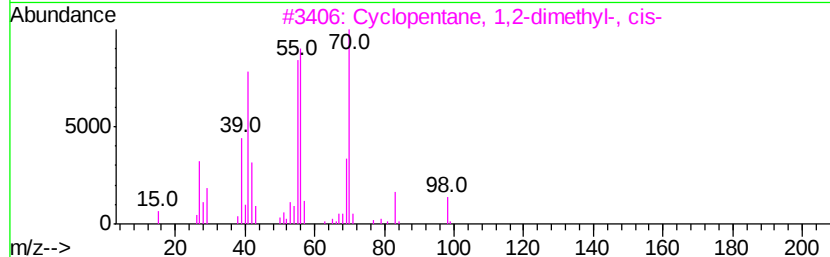
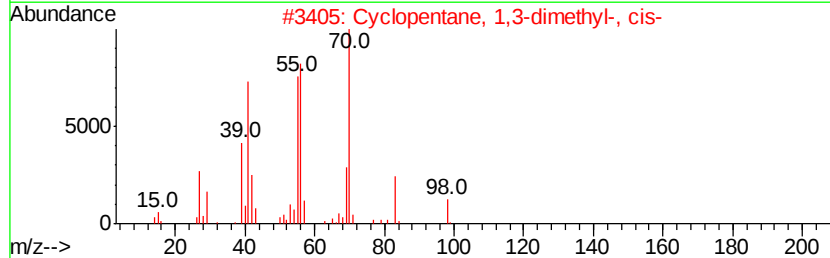
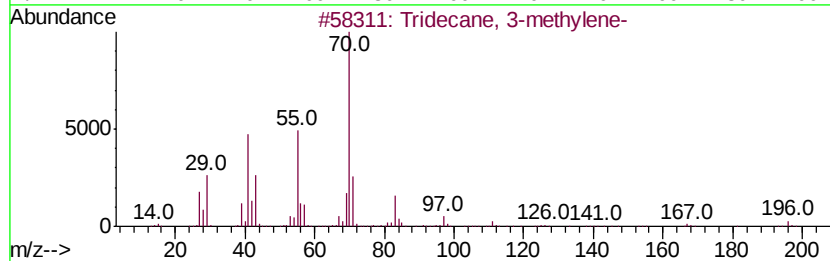
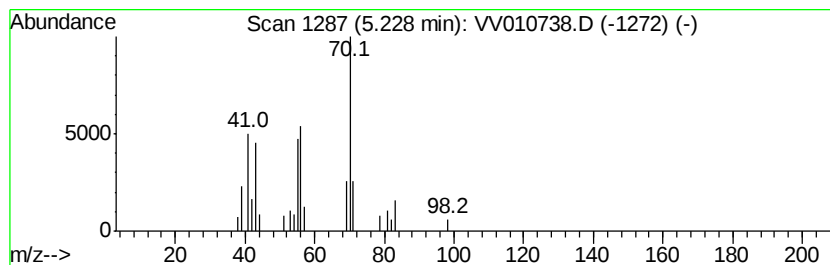
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	13.47 ug/L	21473	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 3-methylene-	196	C14H28	019780-34-8	59
2		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	52
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	52
4		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	52
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

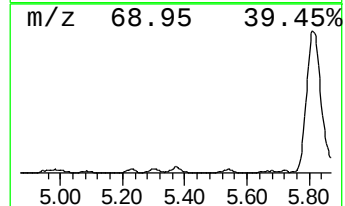
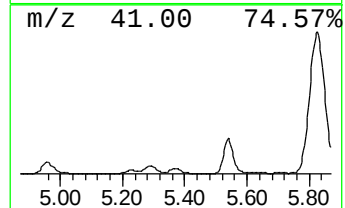
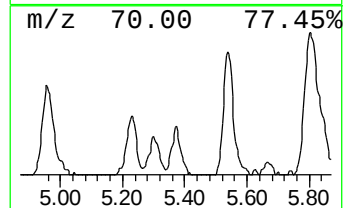
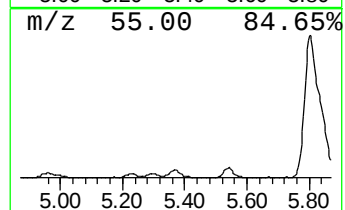
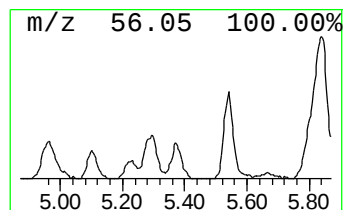
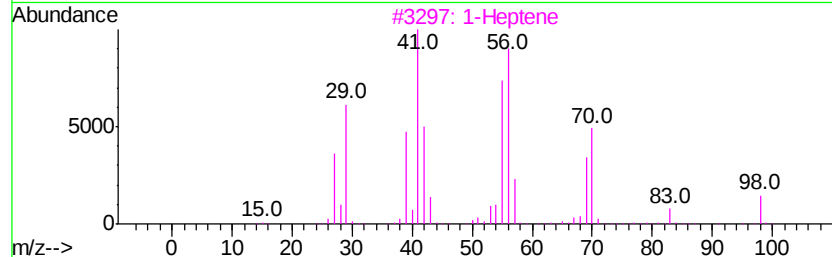
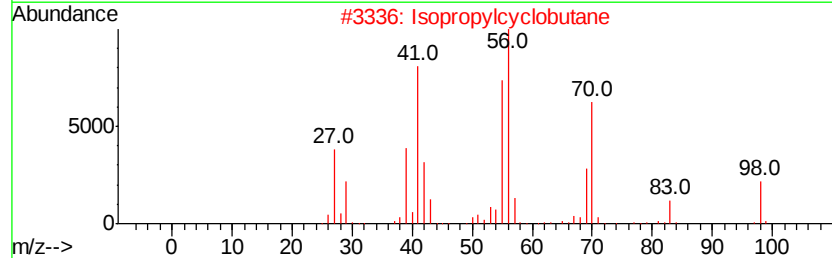
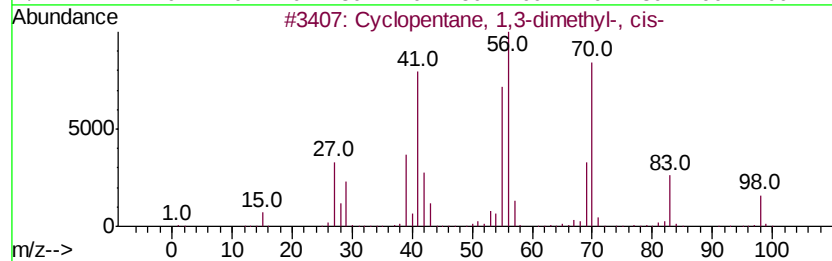
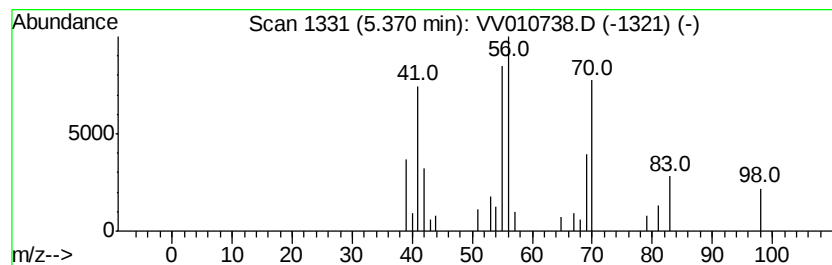
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic5.37 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	19.46 ug/L	31018	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2		Isopropylcyclobutane	98	C7H14	000872-56-0	87
3		1-Heptene	98	C7H14	000592-76-7	87
4		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	83
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

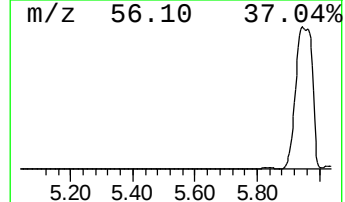
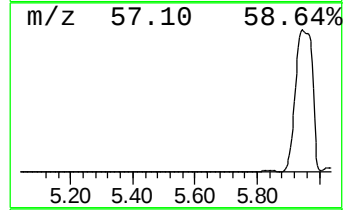
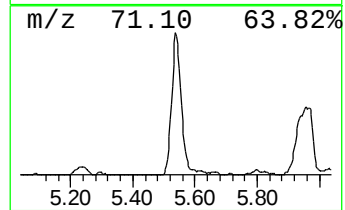
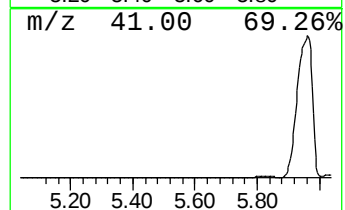
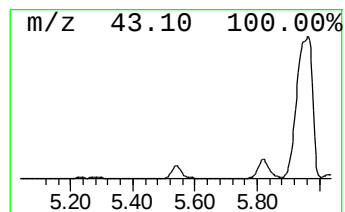
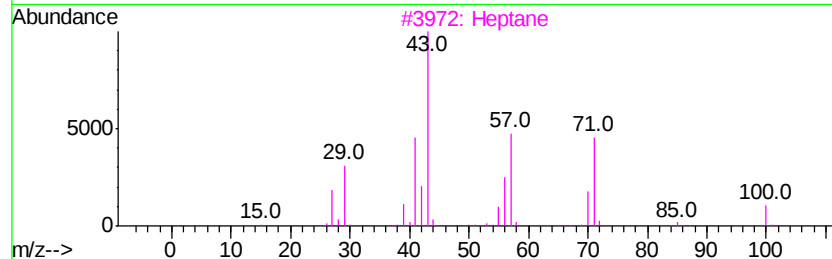
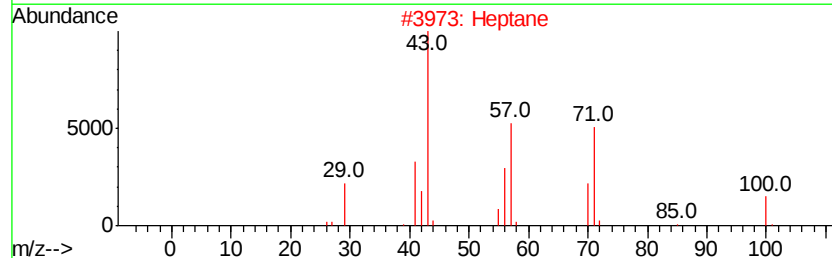
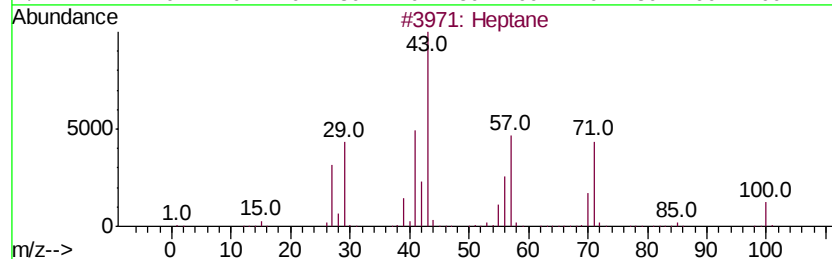
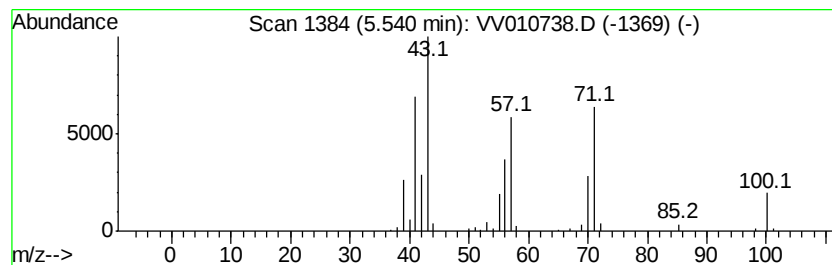
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	97.24 ug/L	155033	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	87
2		Heptane	100	C7H16	000142-82-5	87
3		Heptane	100	C7H16	000142-82-5	68
4		Heptane	100	C7H16	000142-82-5	58
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

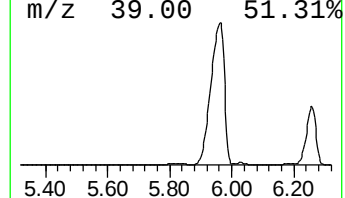
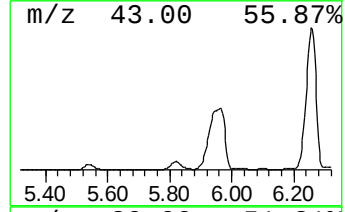
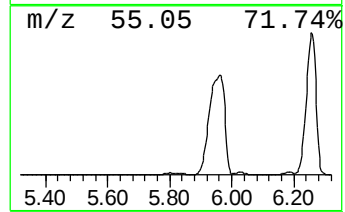
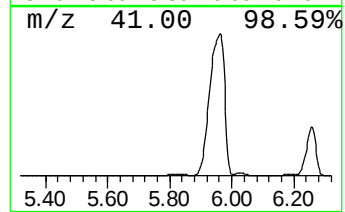
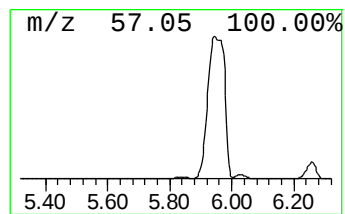
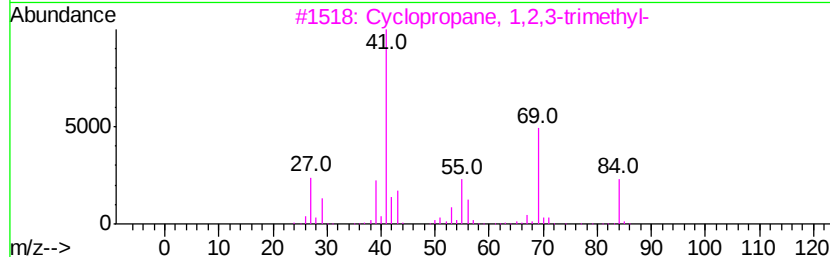
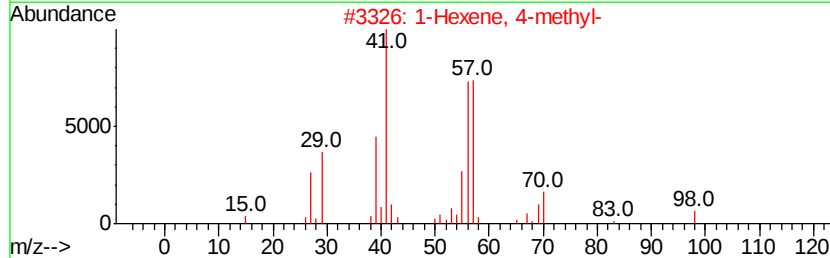
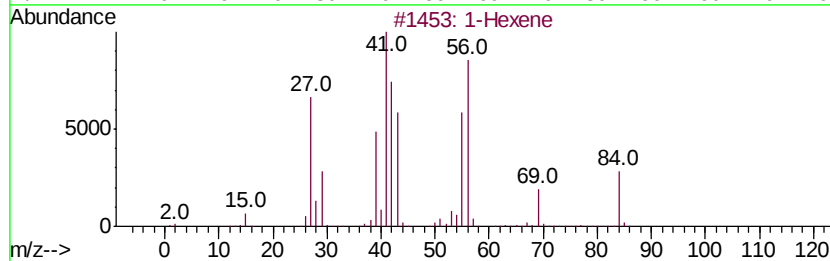
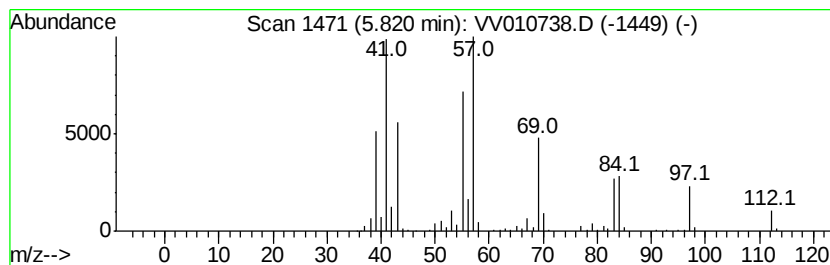
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic5.82 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	591.86 ug/L	943582	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	49
2	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	47
3	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	30
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	25
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

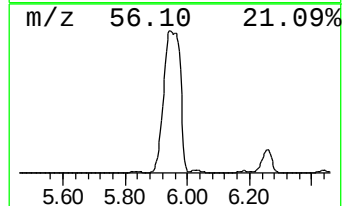
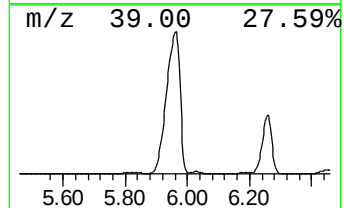
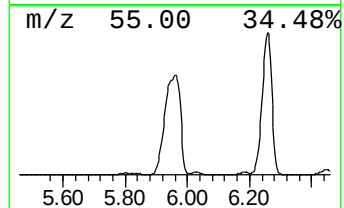
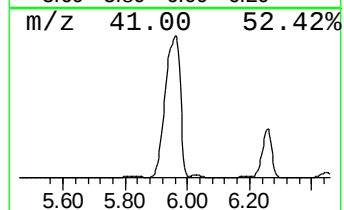
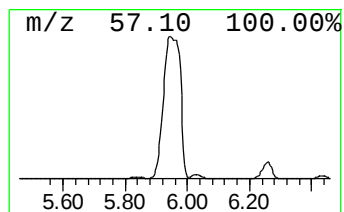
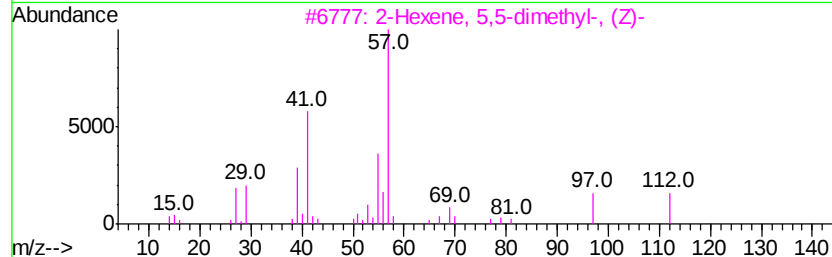
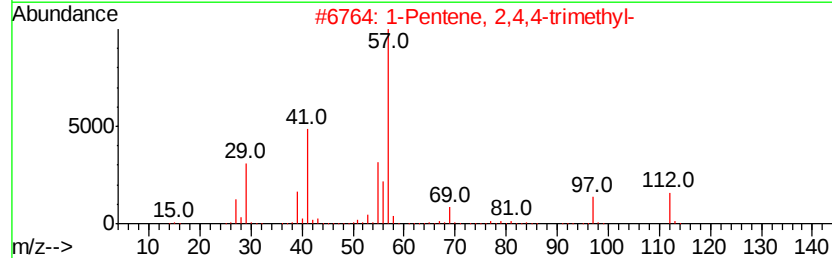
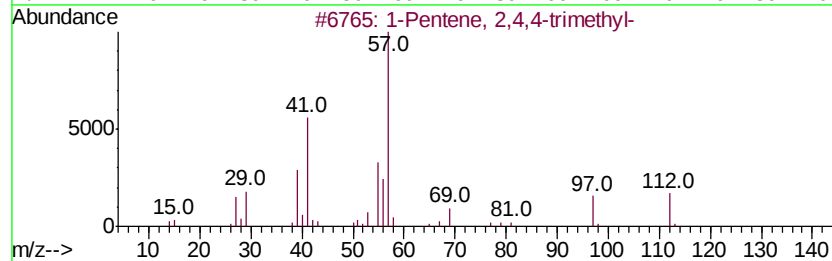
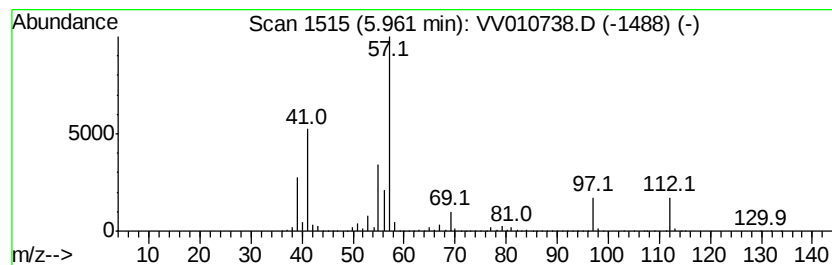
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic5.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	42211.70 ug/L	67297300	1,4-Difluorobenzene	5.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	94
2			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
3			2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	81
4			Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	72
5			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

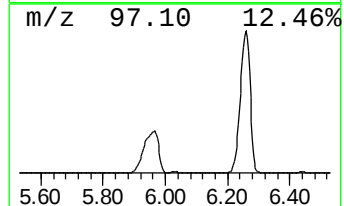
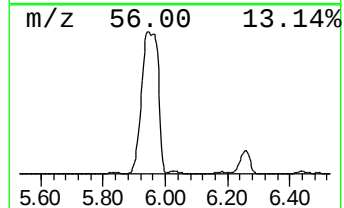
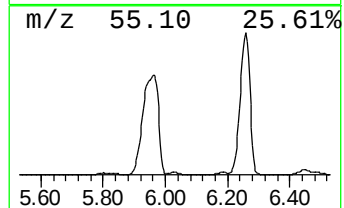
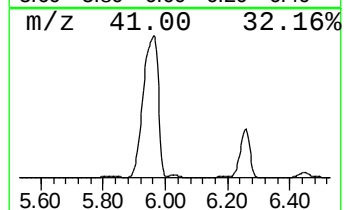
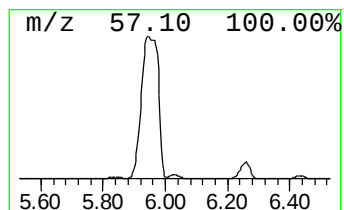
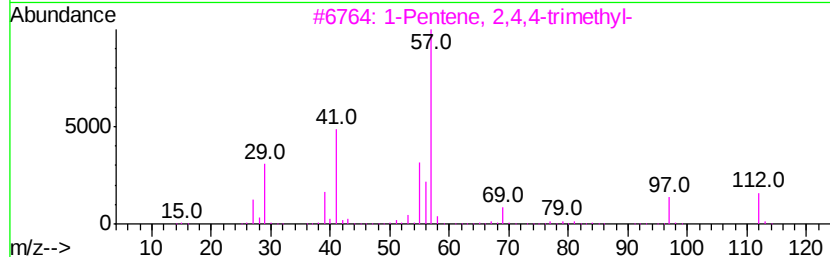
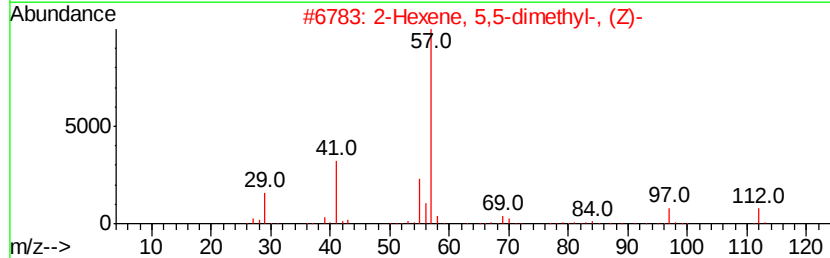
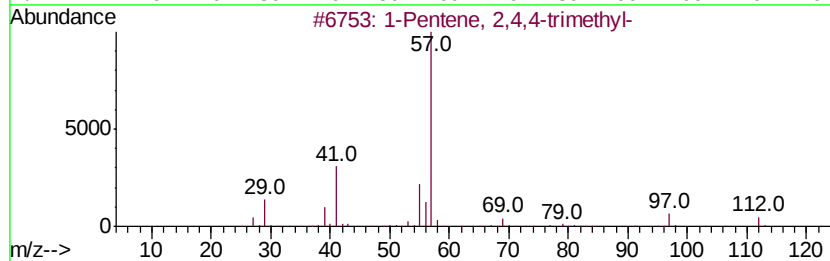
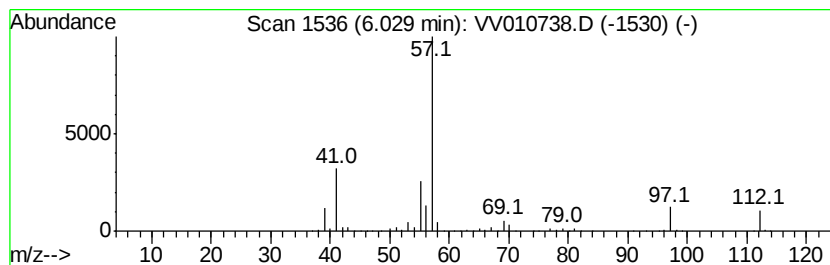
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Cyclic6.03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	476.99 ug/L	760453	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
2		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	91
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	81
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	72
5		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

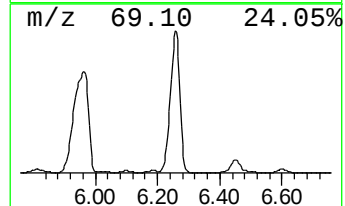
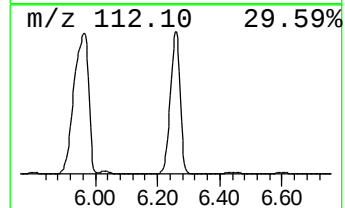
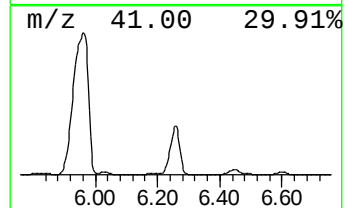
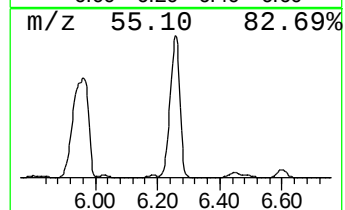
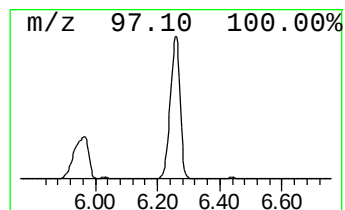
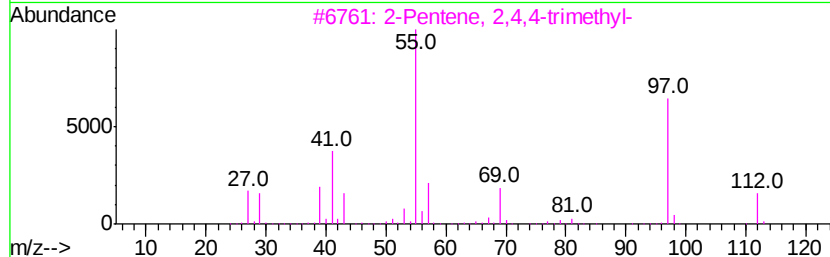
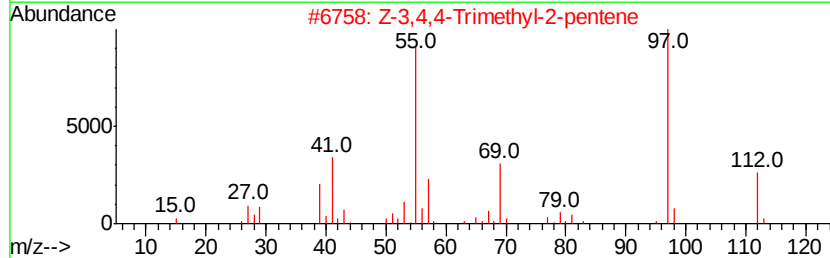
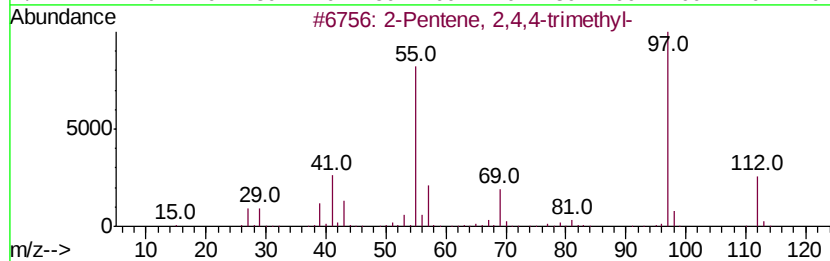
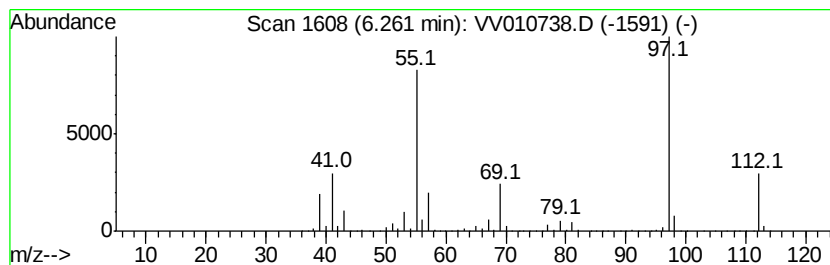
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic6.26 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	18242.20 ug/L	29083200	1,4-Difluorobenzene	5.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
2			Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	91
3			2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	91
4			2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	91
5			2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

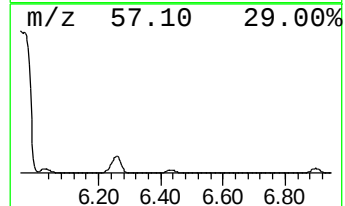
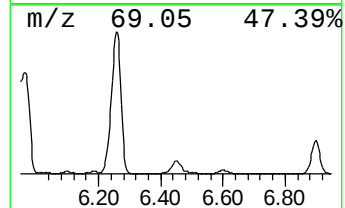
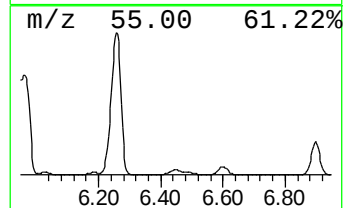
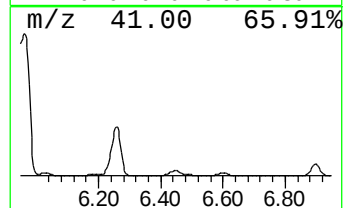
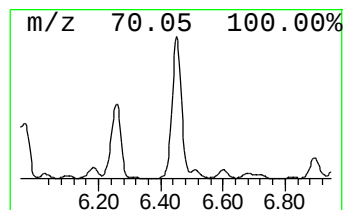
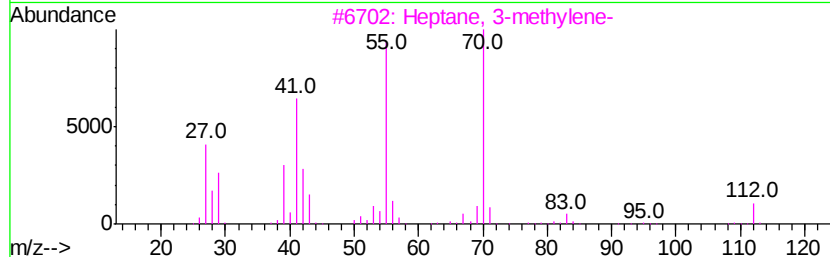
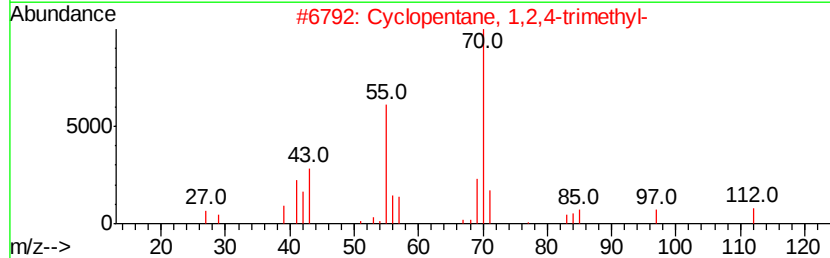
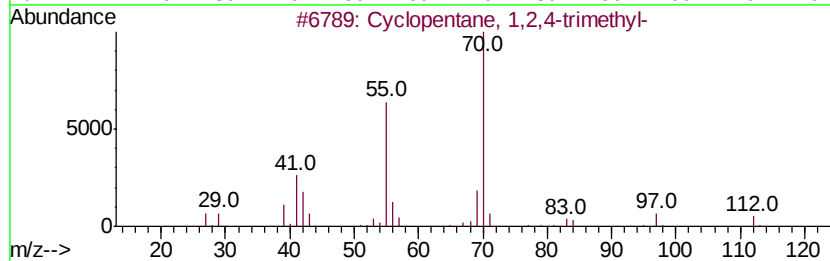
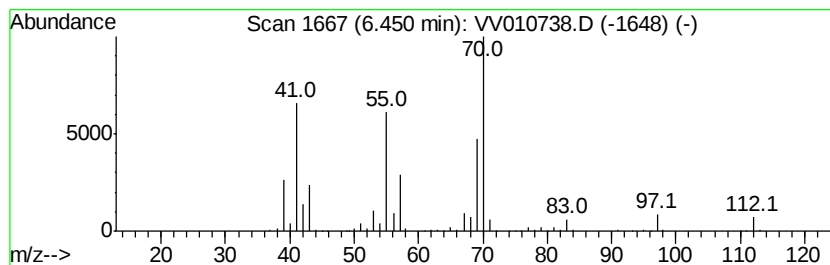
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic6.45 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	1238.39 ug/L	1974330	1,4-Difluorobenzene	5.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
3			Heptane, 3-methylene-	112	C8H16	001632-16-2	72
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	72
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

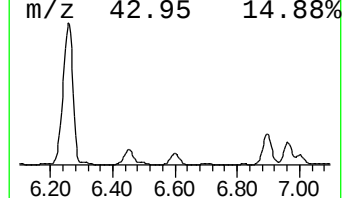
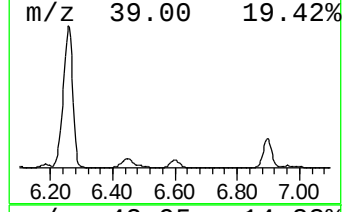
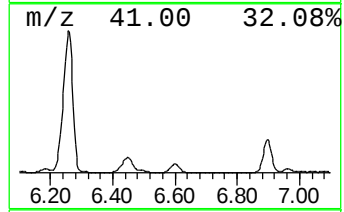
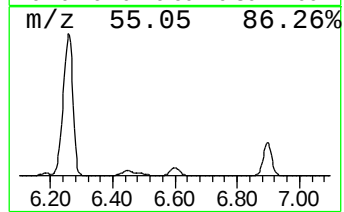
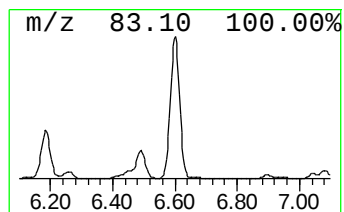
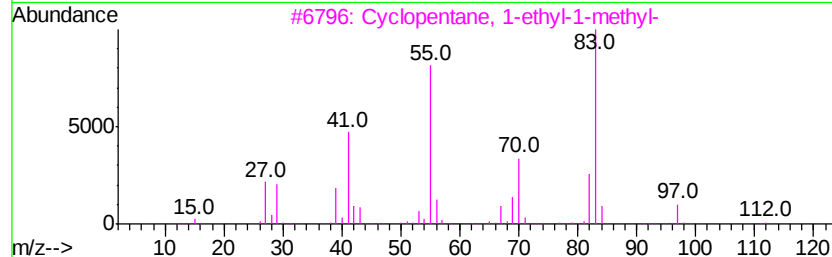
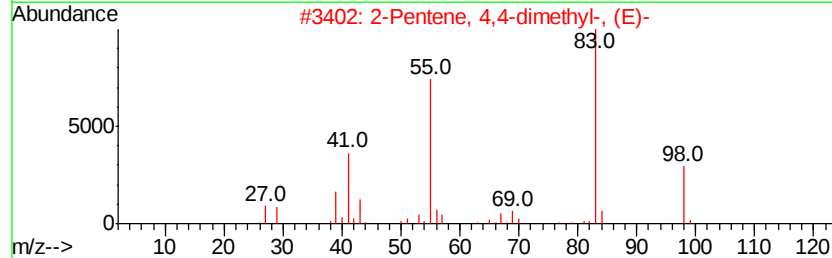
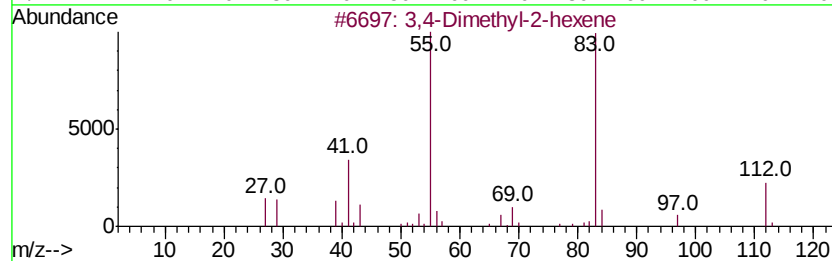
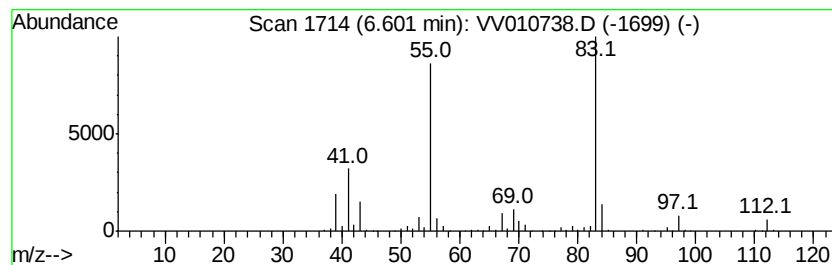
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic6.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	894.27 ug/L	1425720	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	91
2		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	72
3		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	72
4		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	72
5		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

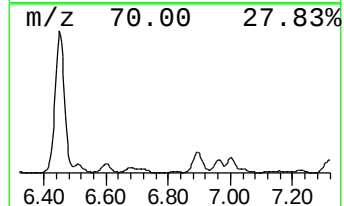
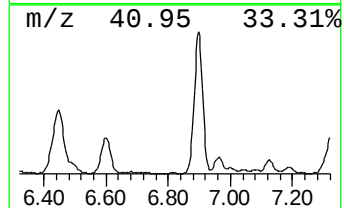
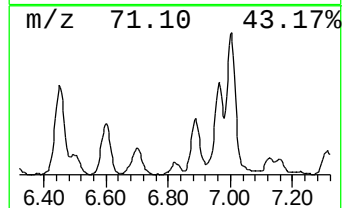
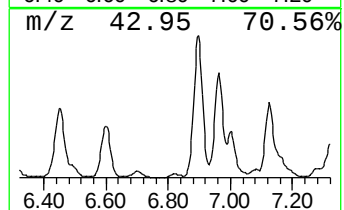
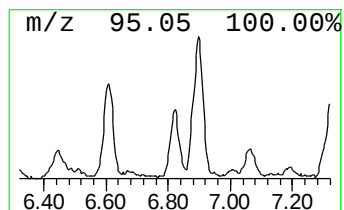
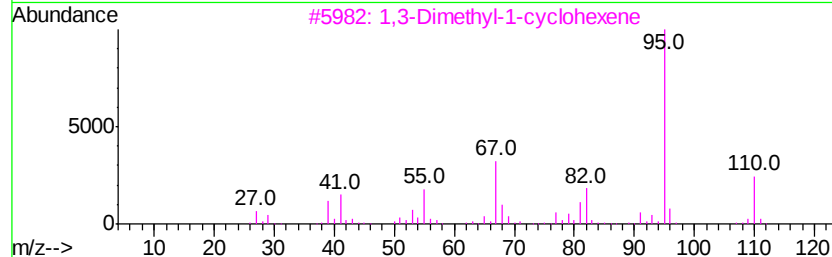
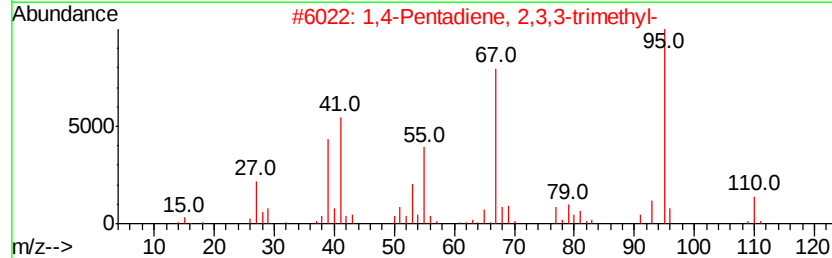
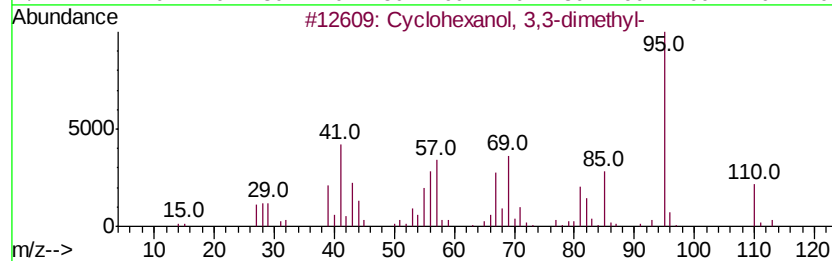
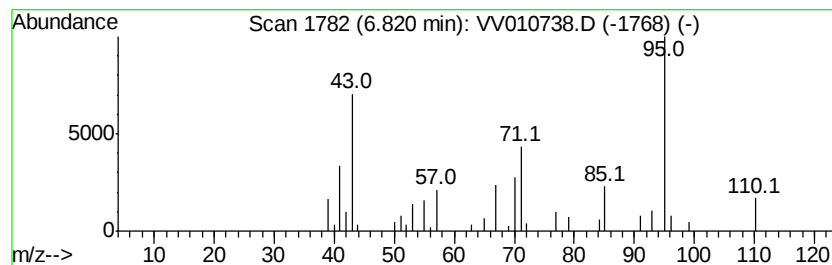
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 17 Cyclohexanol, 3,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	24.50 ug/L	39063	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 3,3-dimethyl-	128	C8H16O	000767-12-4	50
2		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	43
3		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	43
4		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	38
5		5-Methyl-5-hexen-3-yn-2-ol	110	C7H10O	068017-33-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

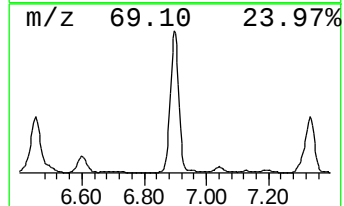
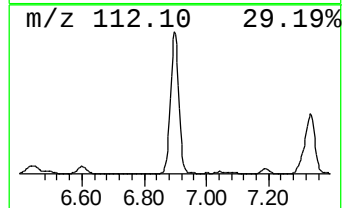
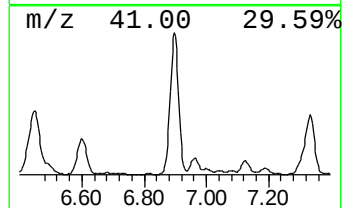
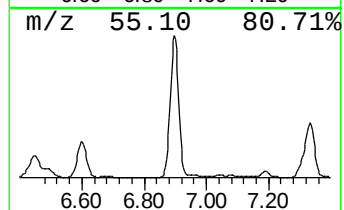
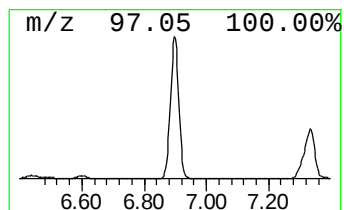
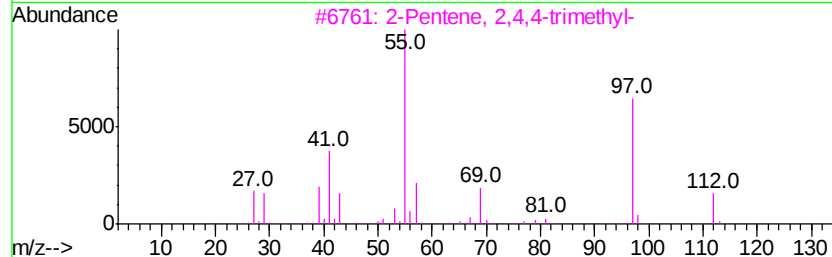
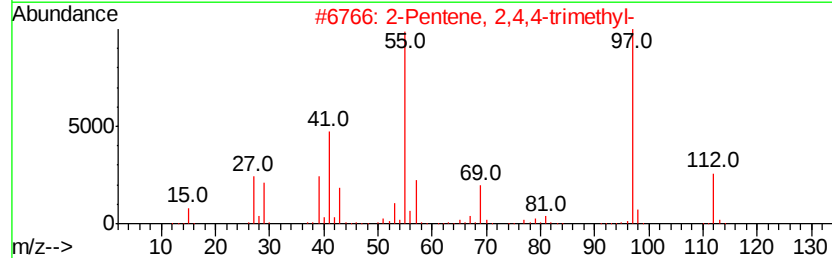
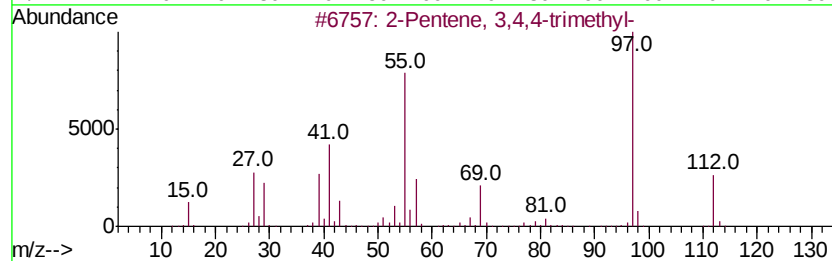
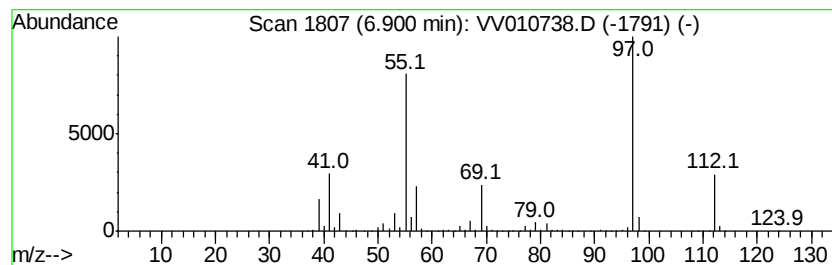
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic6.90 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	3711.96 ug/L	5917910	1,4-Difluorobenzene	5.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4,4-trimethyl-			112	C8H16	000598-96-9	94
2	2-Pentene, 2,4,4-trimethyl-			112	C8H16	000107-40-4	91
3	2-Pentene, 2,4,4-trimethyl-			112	C8H16	000107-40-4	91
4	2-Pentene, 2,3,4-trimethyl-			112	C8H16	000565-77-5	91
5	2-Pentene, 2,4,4-trimethyl-			112	C8H16	000107-40-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

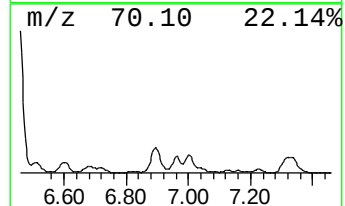
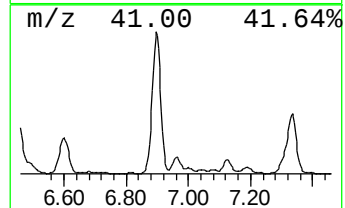
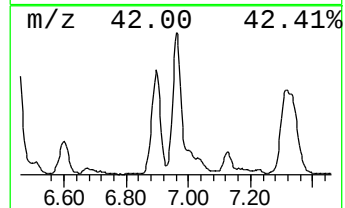
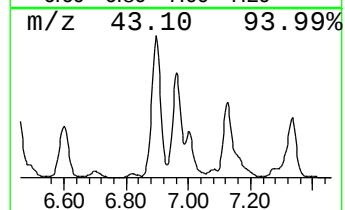
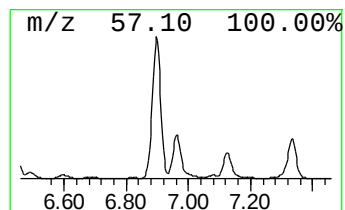
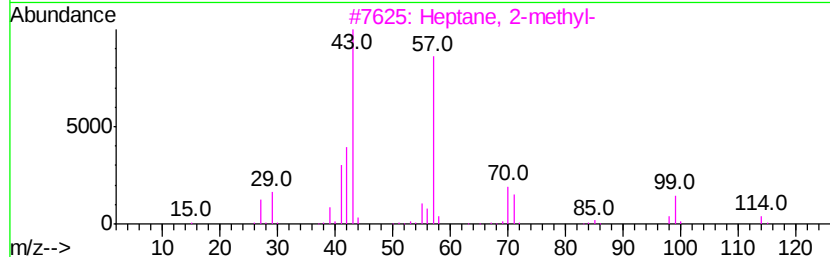
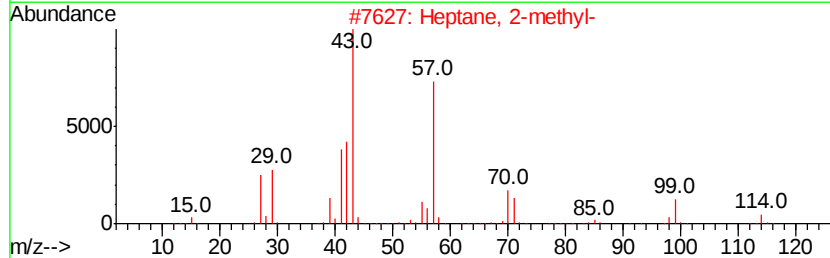
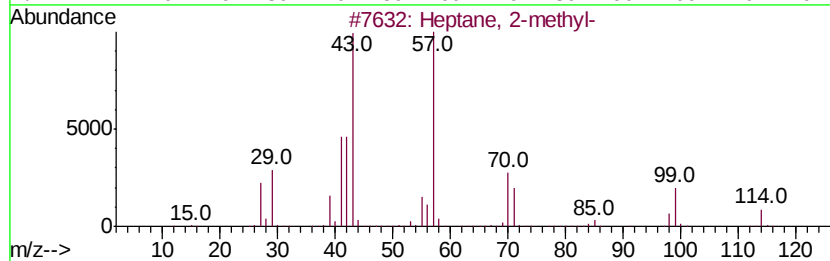
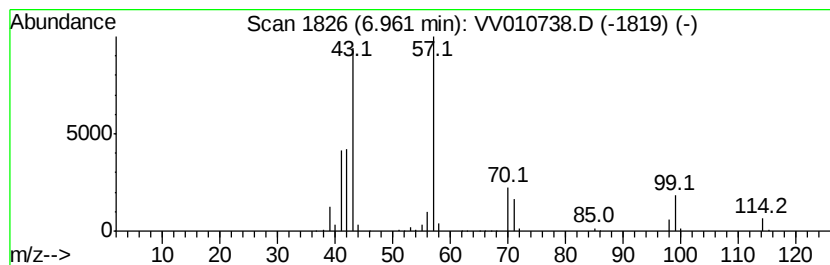
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	183.11 ug/L	291921	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

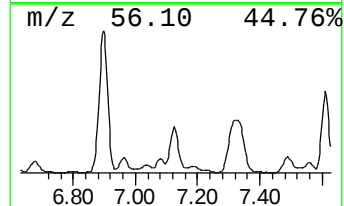
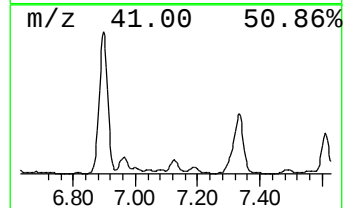
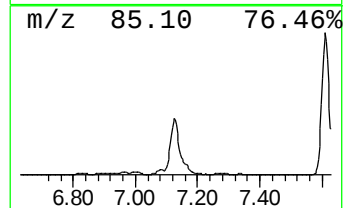
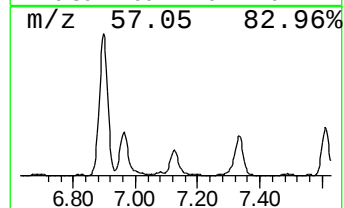
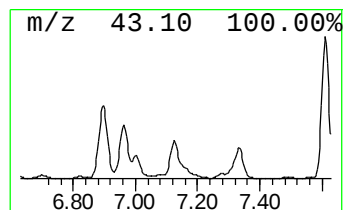
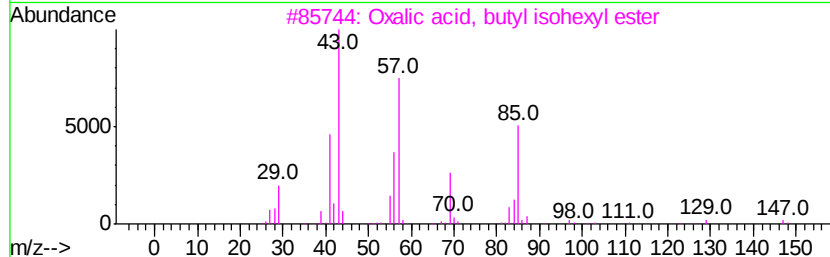
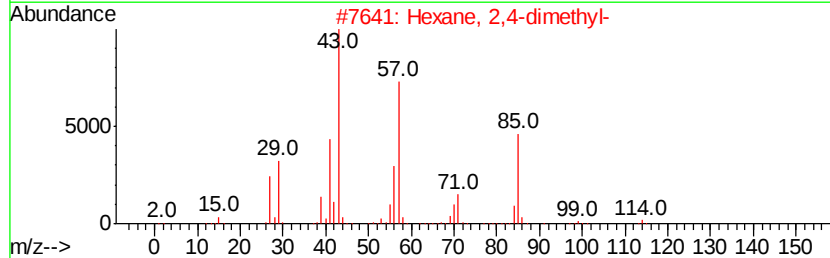
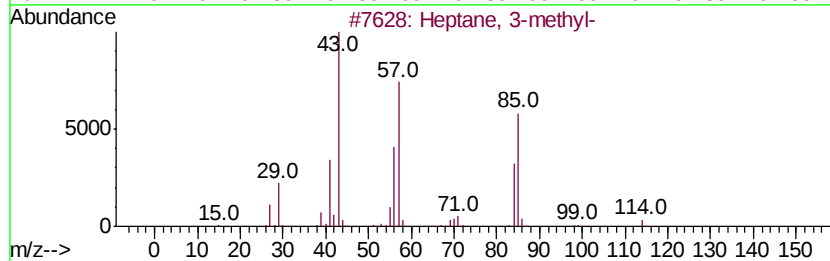
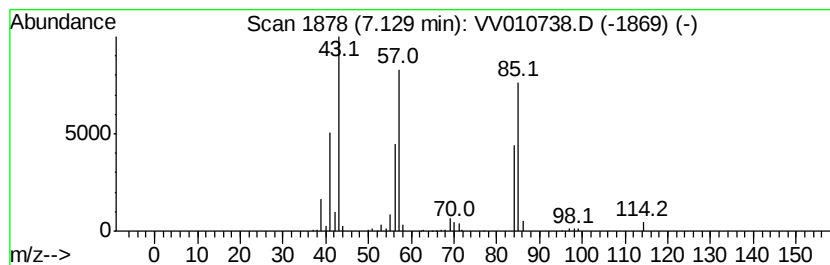
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	160.81 ug/L	256376	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
3		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

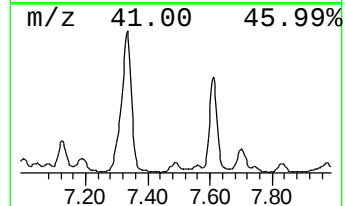
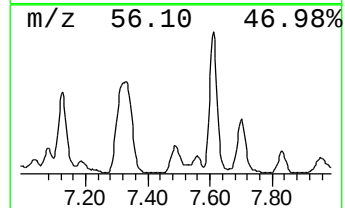
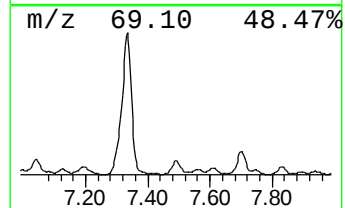
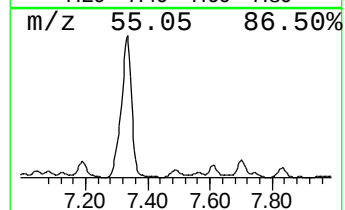
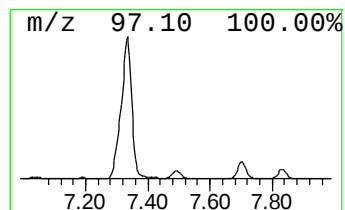
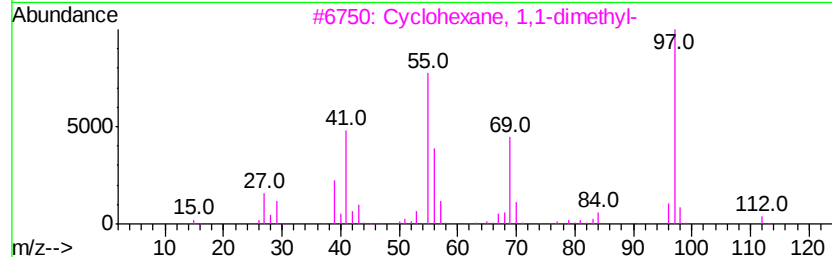
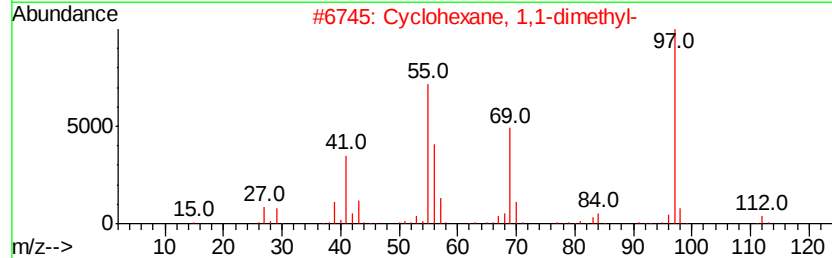
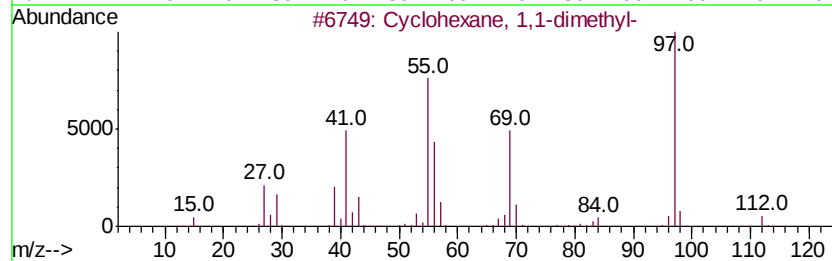
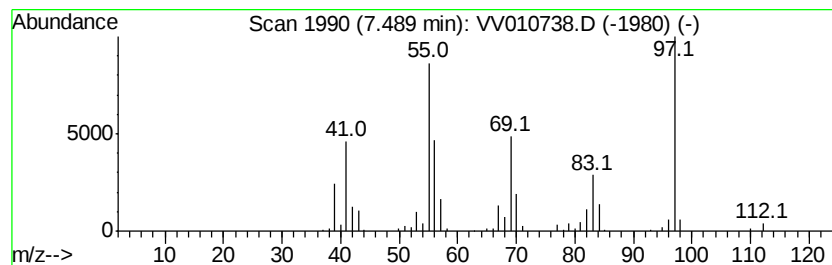
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic7.49 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	6.37 ug/L	151729	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68
4			1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	47
5			2,4-Dimethyl-1,5-diazabicyclo[3...	112	C6H12N2	100463-01-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

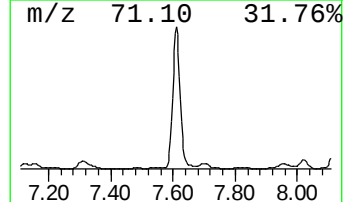
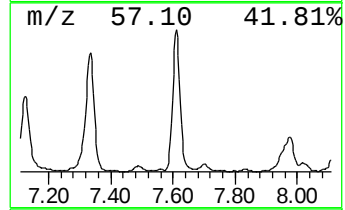
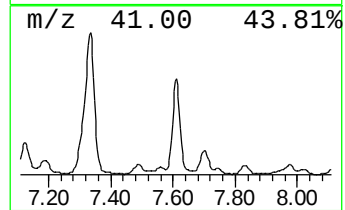
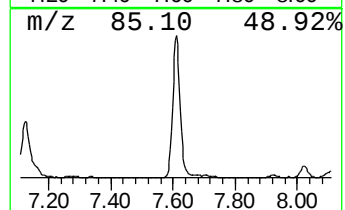
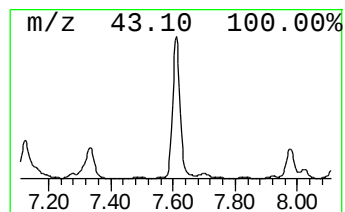
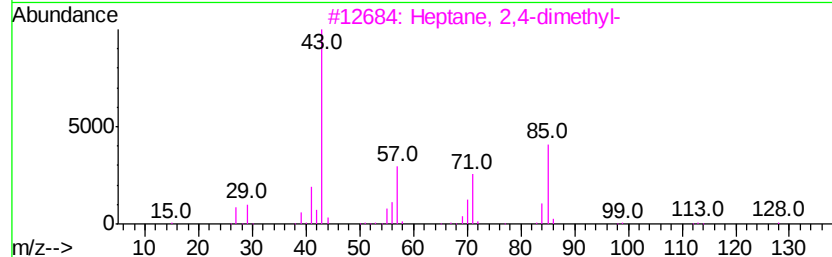
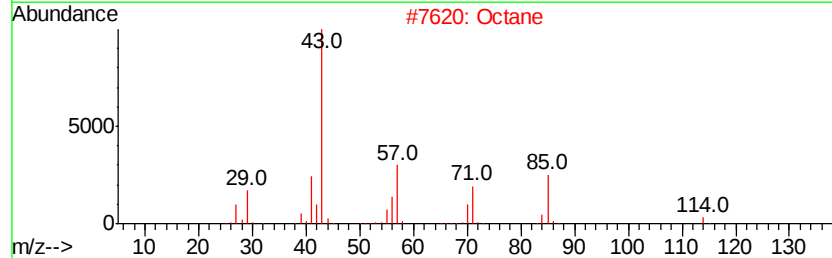
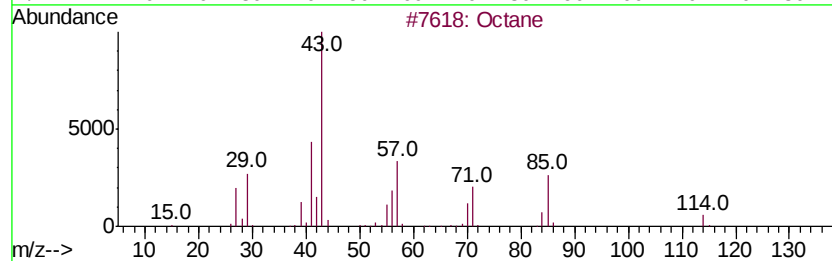
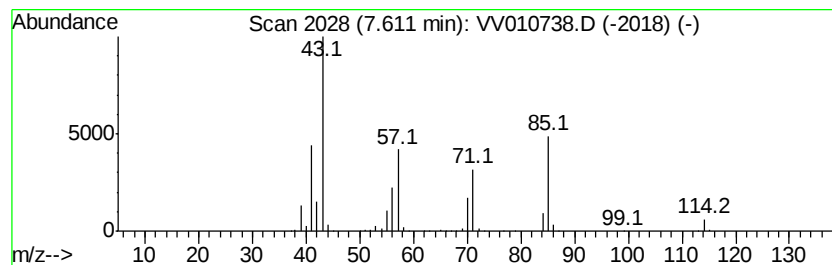
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	37.87 ug/L	902237	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	91
2		Octane	114	C8H18	000111-65-9	87
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4		Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	72
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

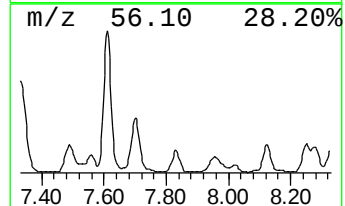
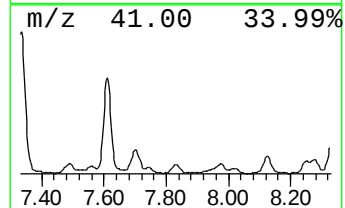
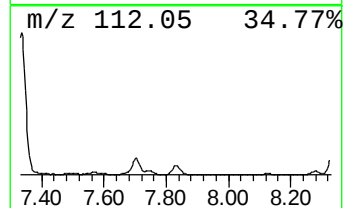
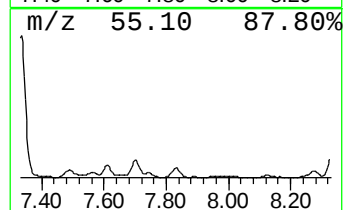
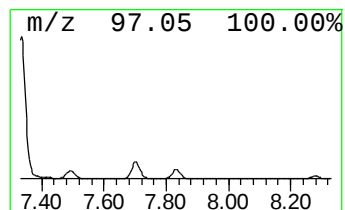
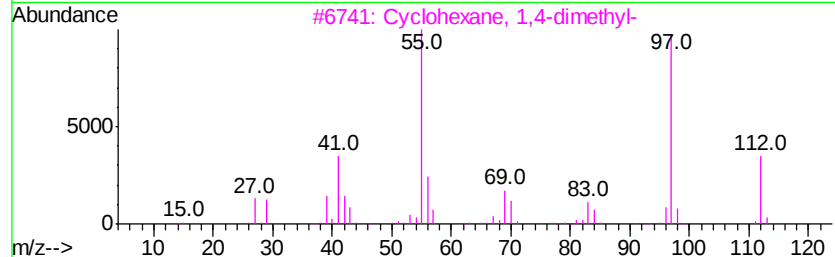
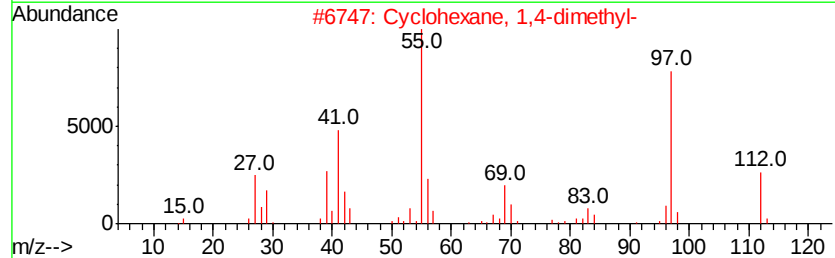
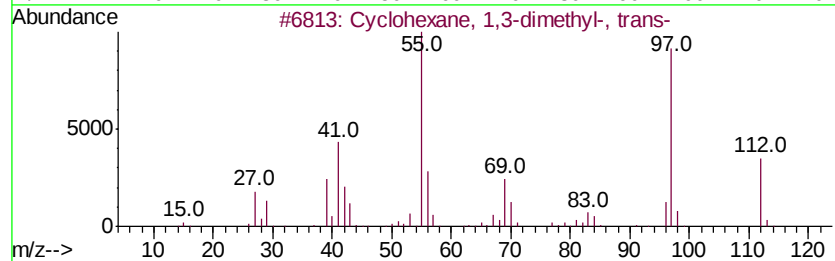
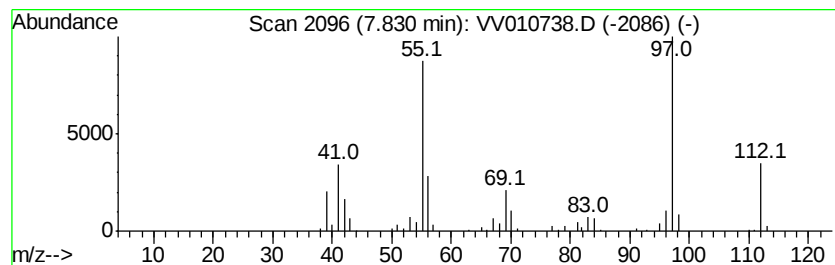
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic7.83 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	6.12 ug/L	145915	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

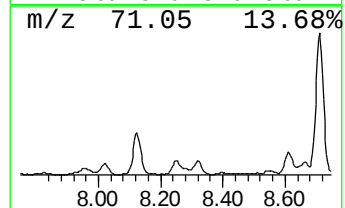
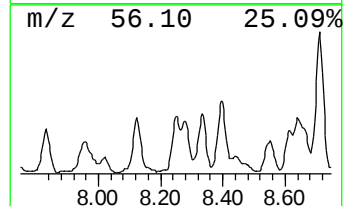
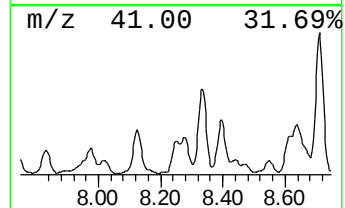
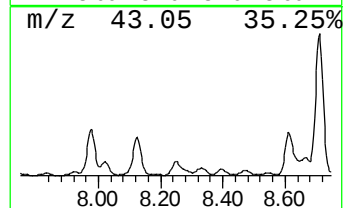
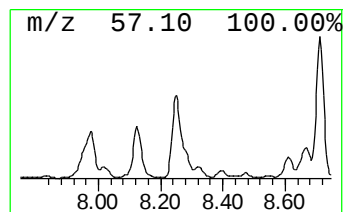
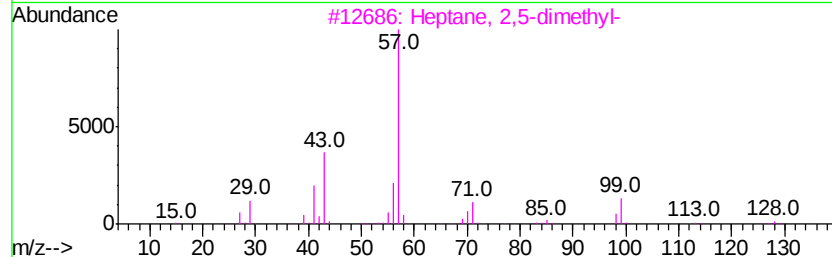
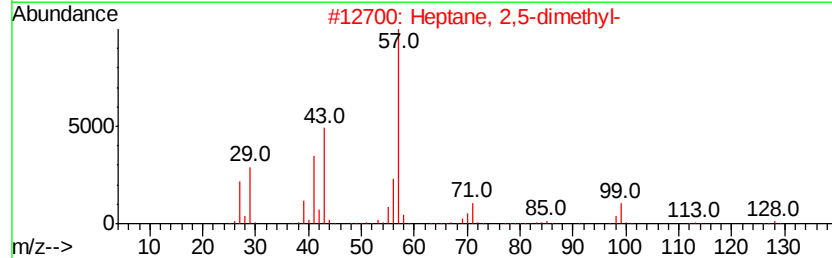
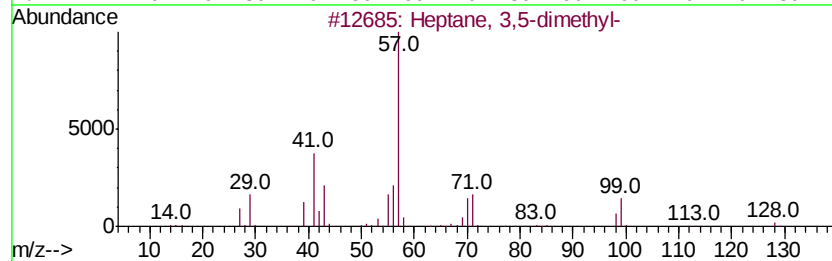
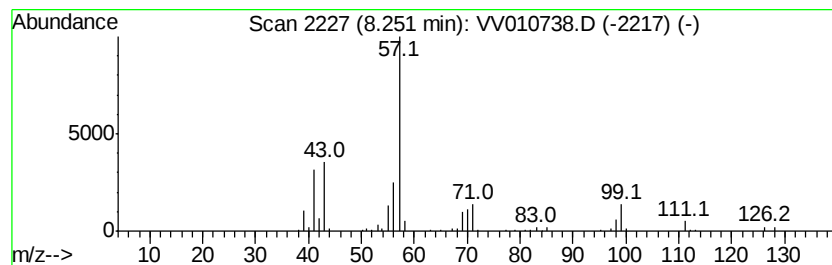
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	5.43 ug/L	129290	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5		Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

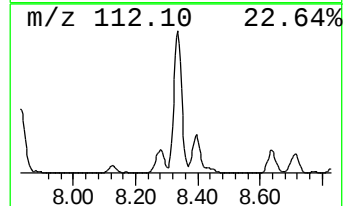
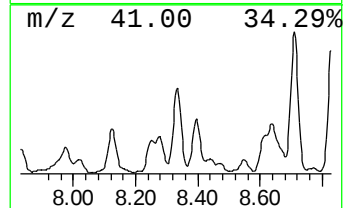
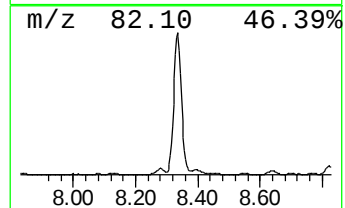
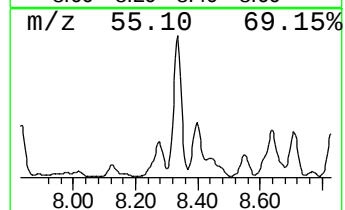
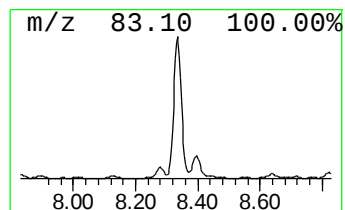
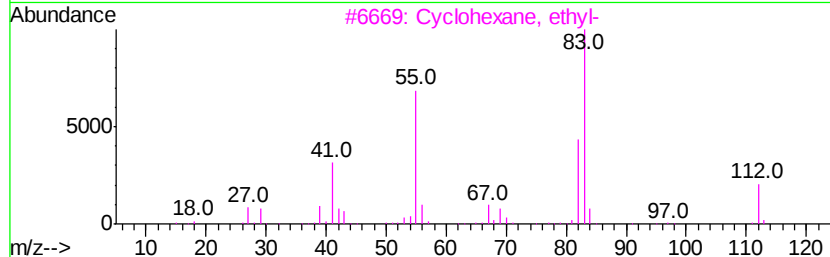
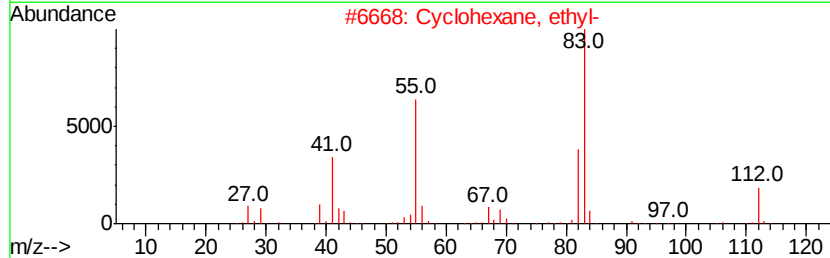
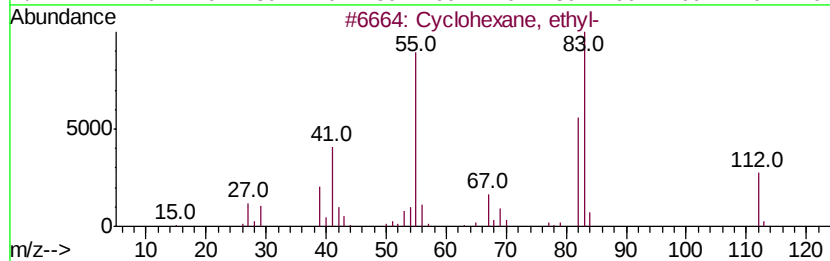
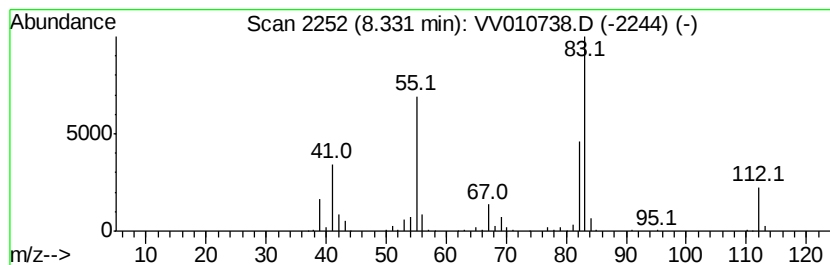
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic8.33 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	17.03 ug/L	405744	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	97
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

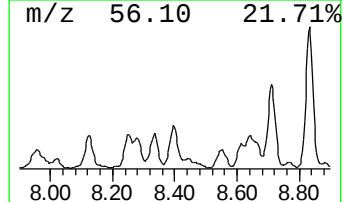
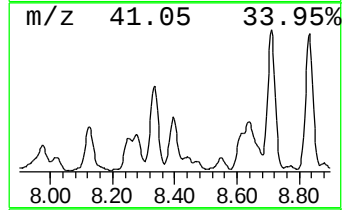
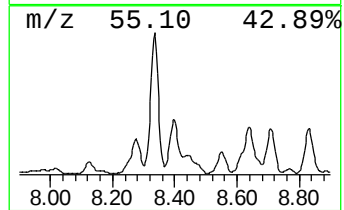
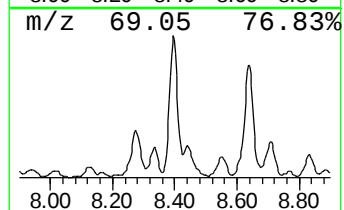
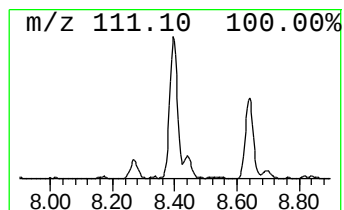
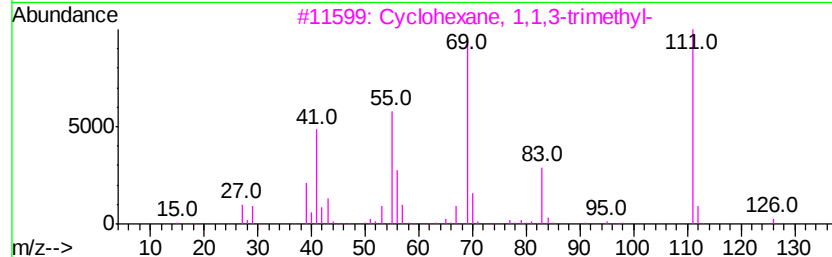
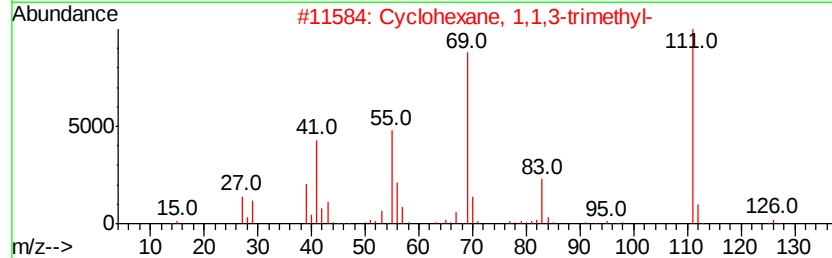
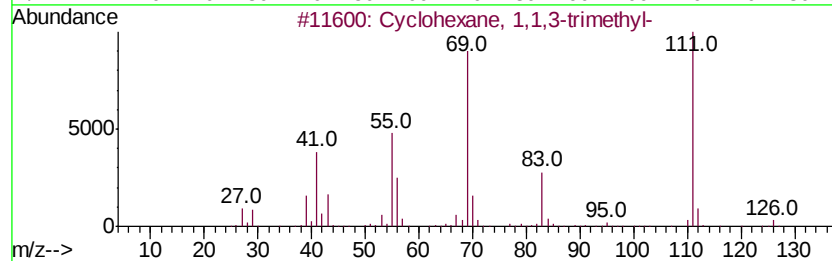
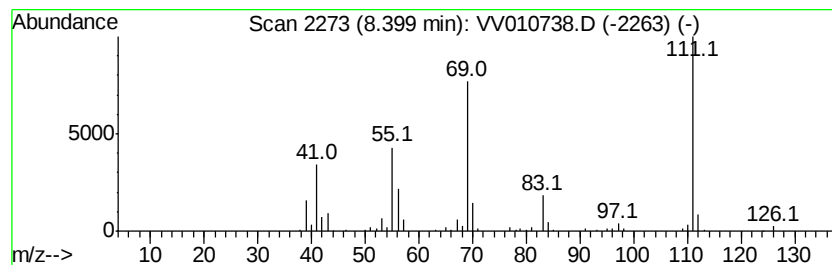
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic8.40 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	11.06 ug/L	263515	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

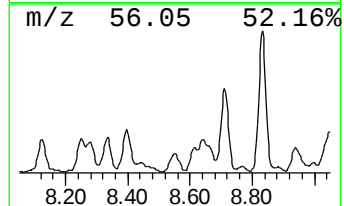
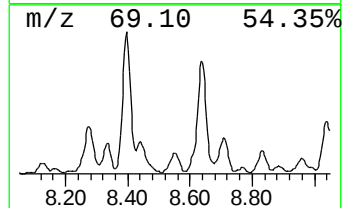
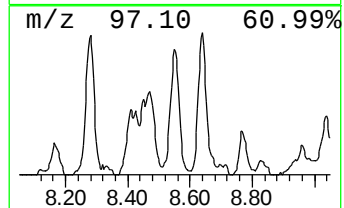
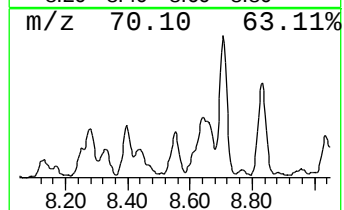
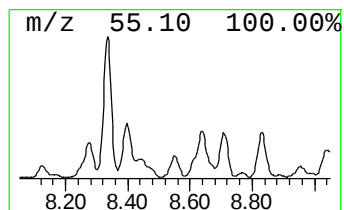
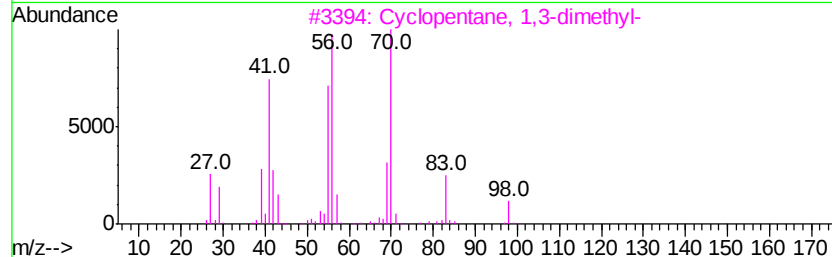
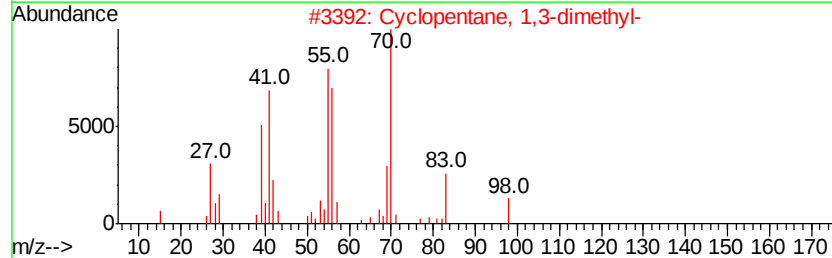
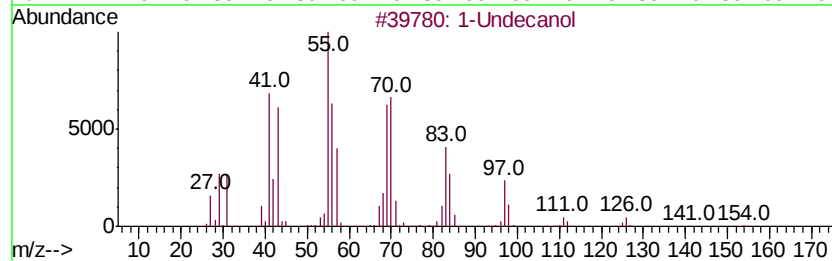
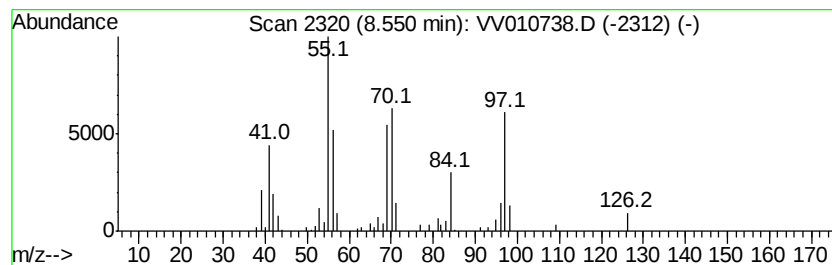
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 27 1-Undecanol Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	2.89 ug/L	68811	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Undecanol	172	C11H24O	000112-42-5	59
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	46
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	46
5			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

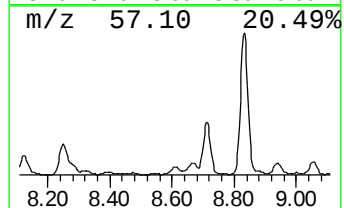
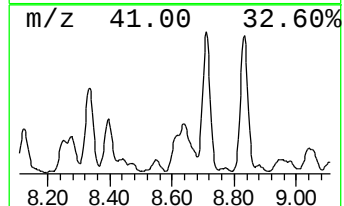
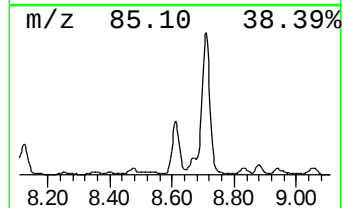
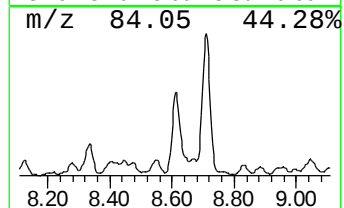
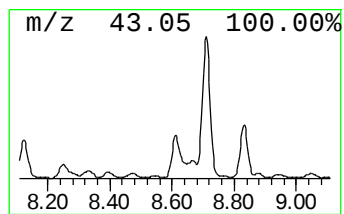
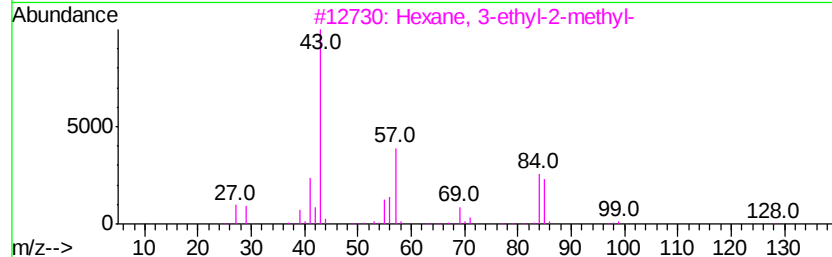
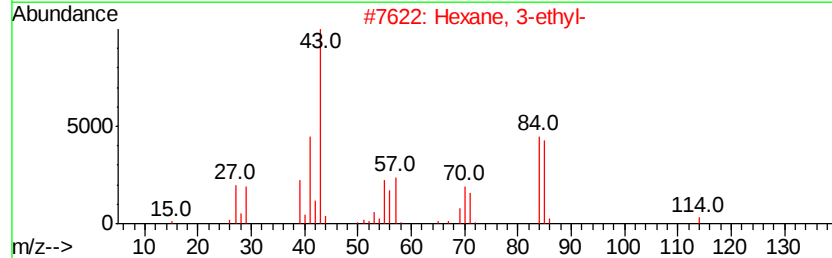
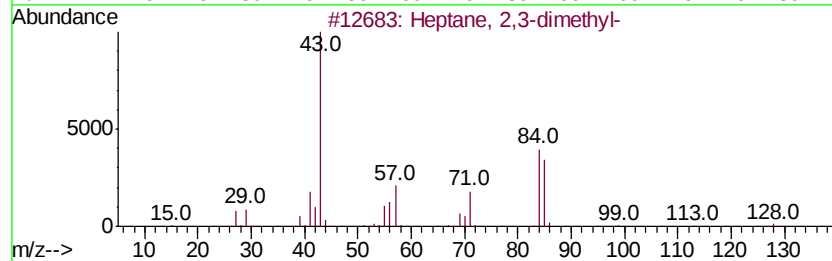
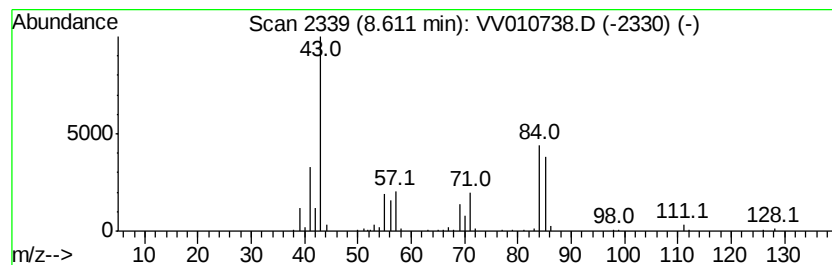
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	6.32 ug/L	150490	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	90
2			Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3			Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	72
4			1-Octene, 4-methyl-	126	C9H18	013151-12-7	70
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

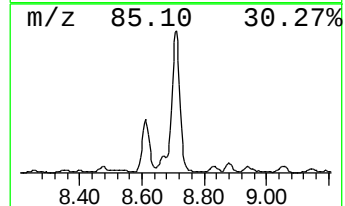
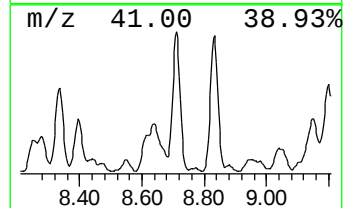
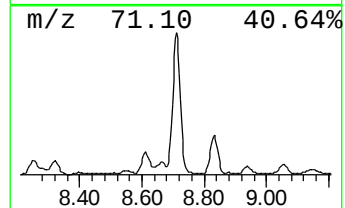
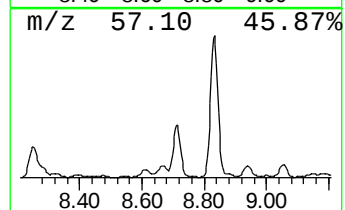
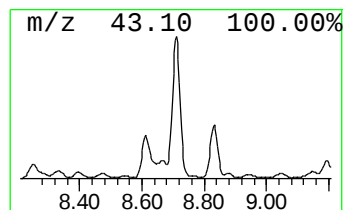
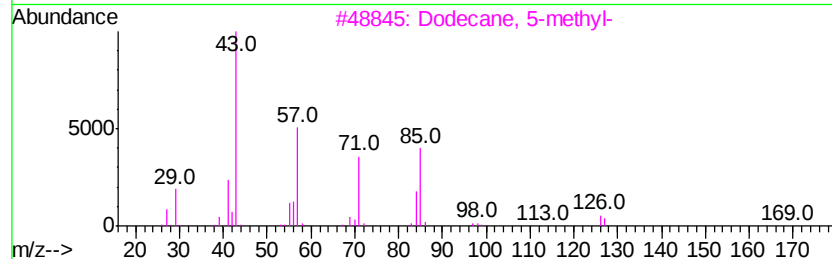
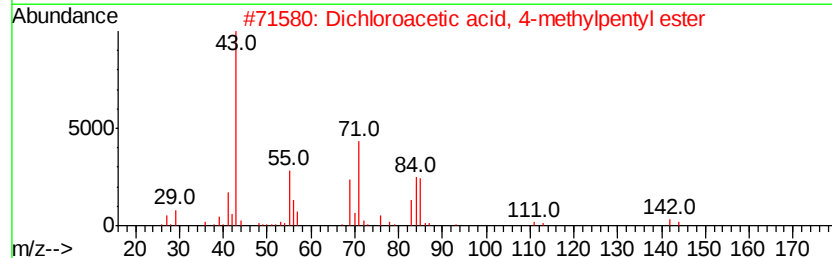
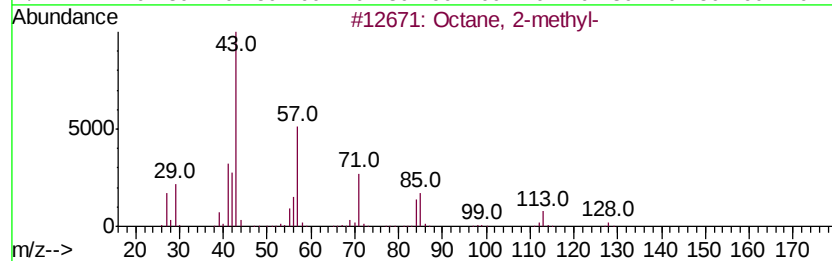
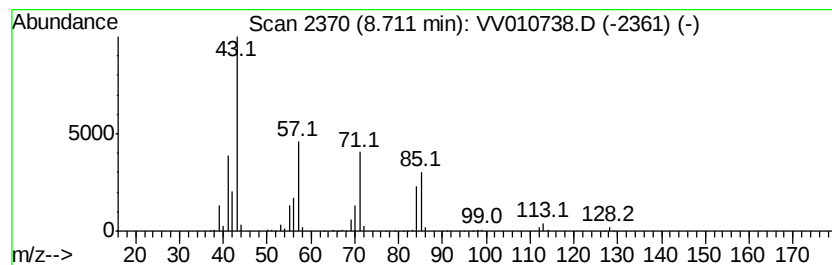
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	28.01 ug/L	667304	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2		Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	64
3		Dodecane, 5-methyl-	184	C13H28	017453-93-9	59
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
5		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

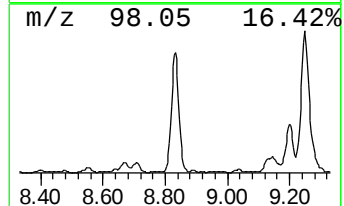
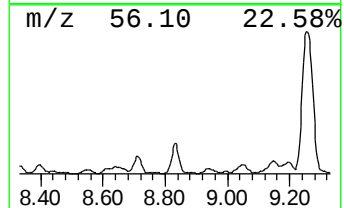
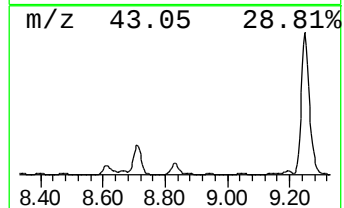
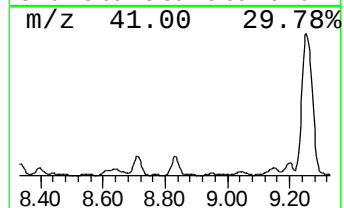
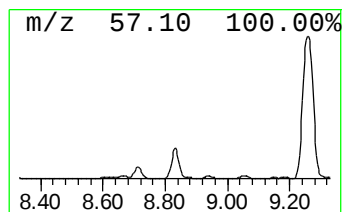
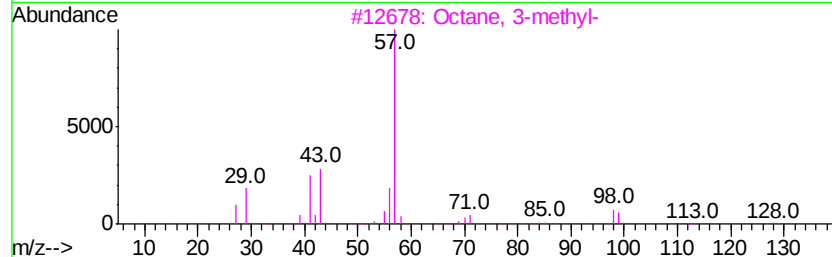
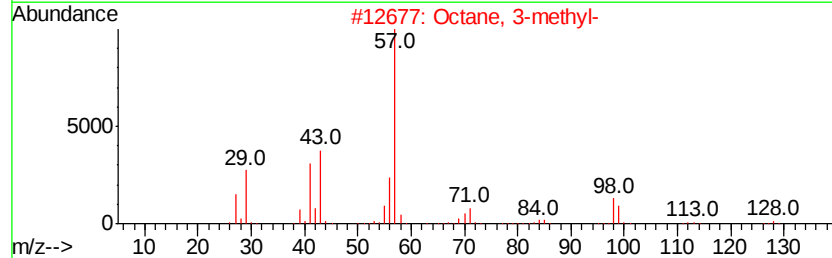
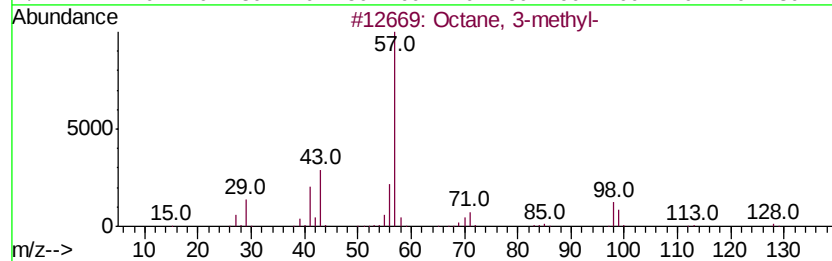
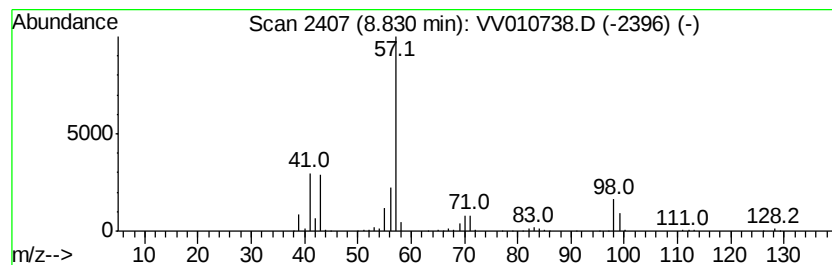
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	25.00 ug/L	595572	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	91
3		Octane, 3-methyl-	128	C9H20	002216-33-3	80
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

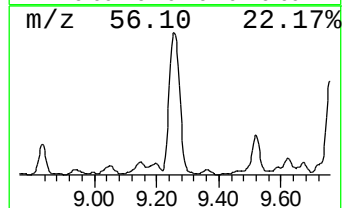
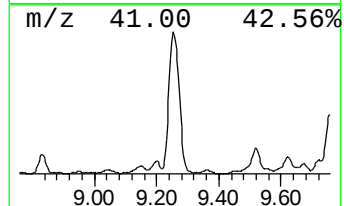
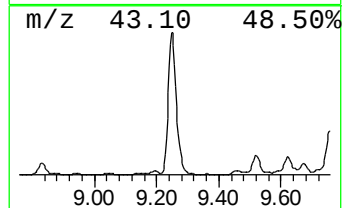
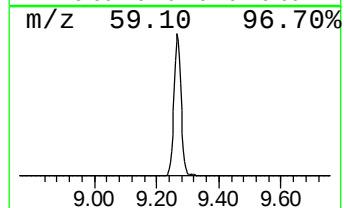
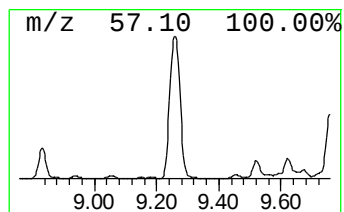
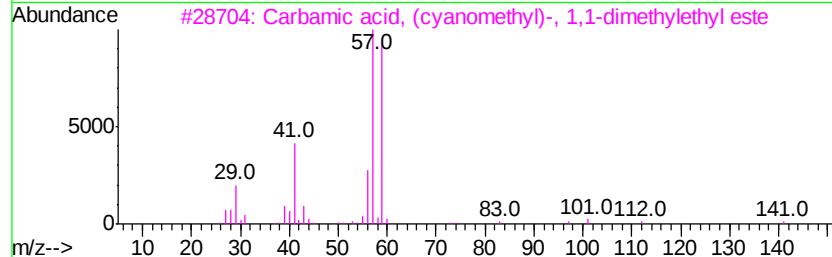
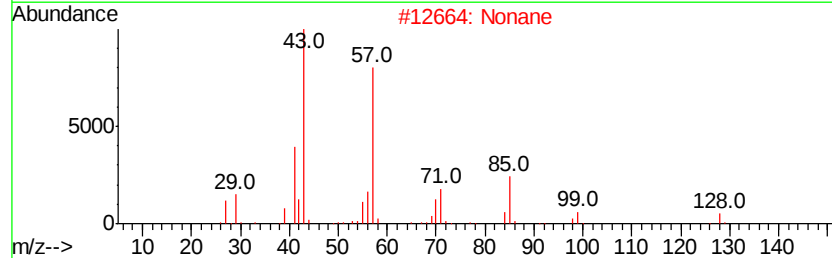
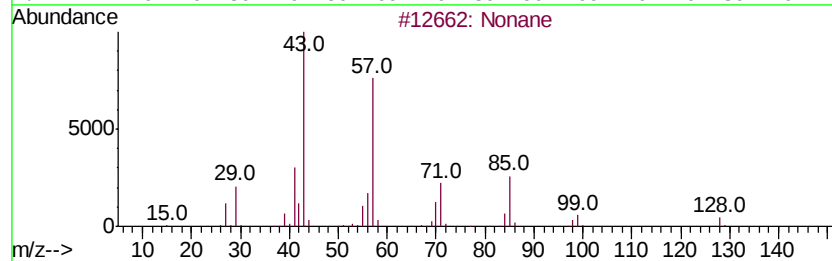
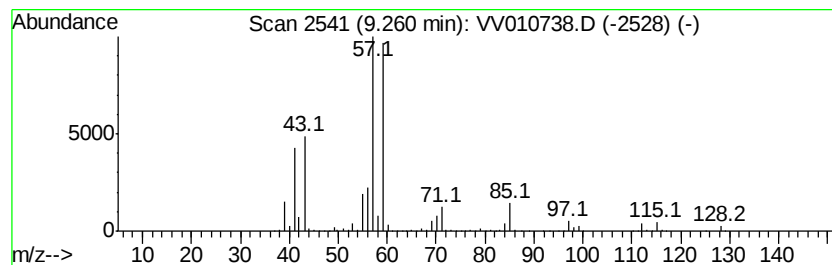
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	287.01 ug/L	6837310	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	42
2		Nonane	128	C9H20	000111-84-2	42
3		Carbamic acid, (cyanomethyl)-, 1...	156	C7H12N2O2	085363-04-8	40
4		Carbonic acid, 3-pentyl propyl e...	174	C9H18O3	1000325-64-0	37
5		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

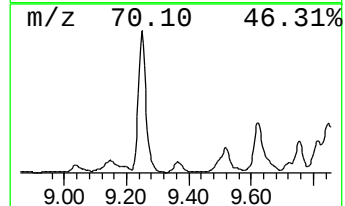
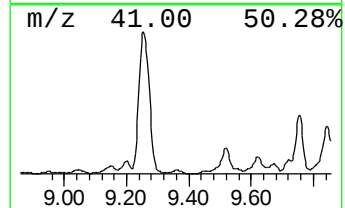
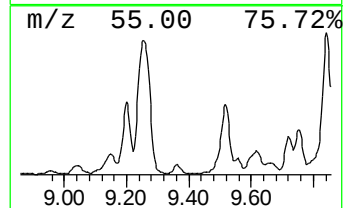
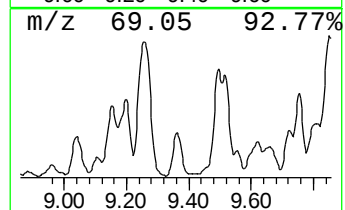
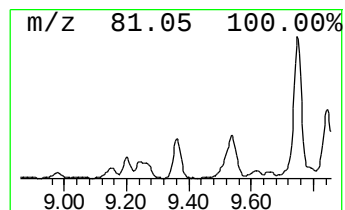
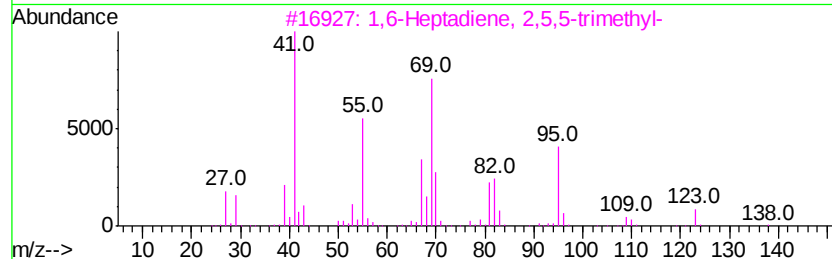
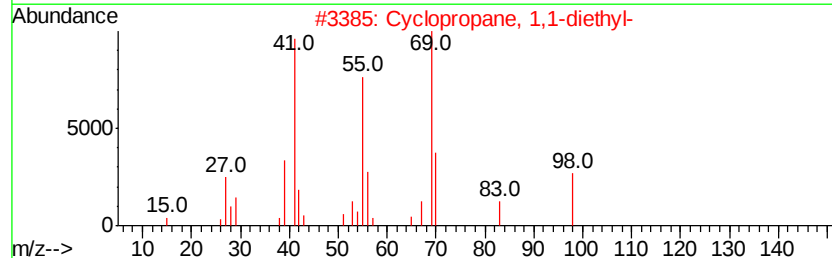
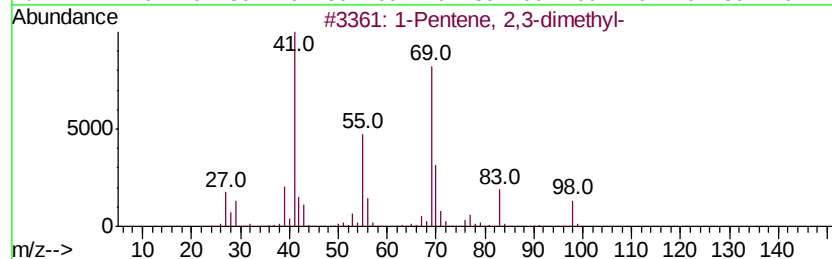
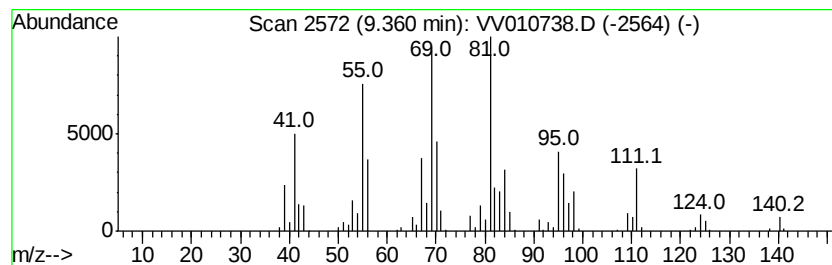
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic9.36 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	8.11 ug/L	193094	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	30
2			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	30
3			1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	30
4			3-Methyl-3-hexene	98	C7H14	003404-65-7	25
5			3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	20



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

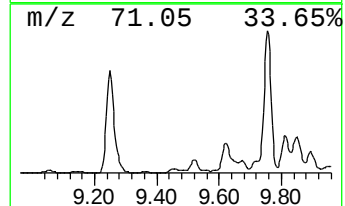
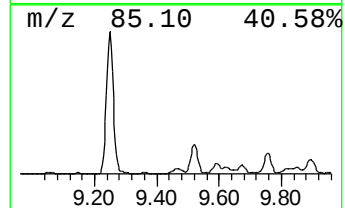
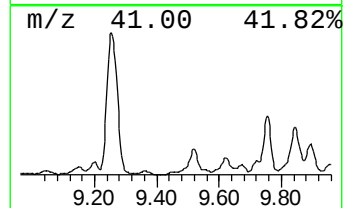
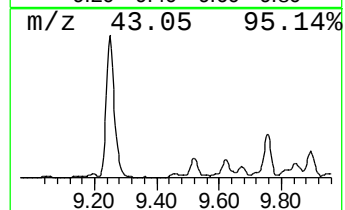
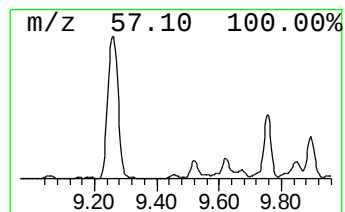
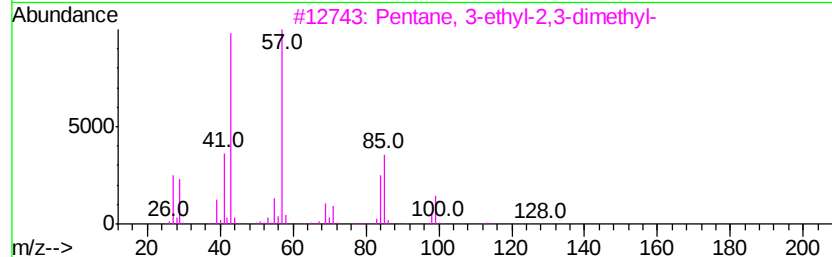
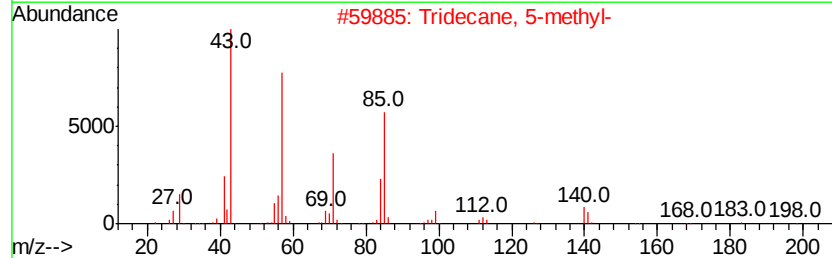
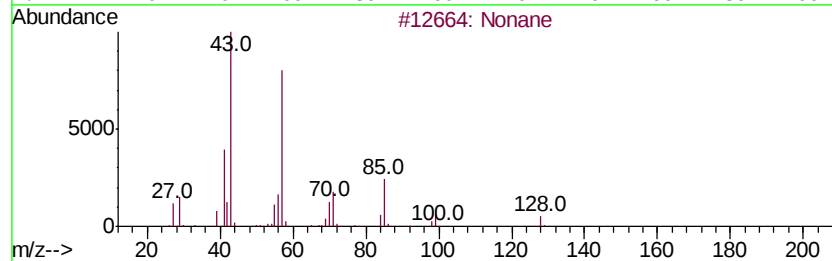
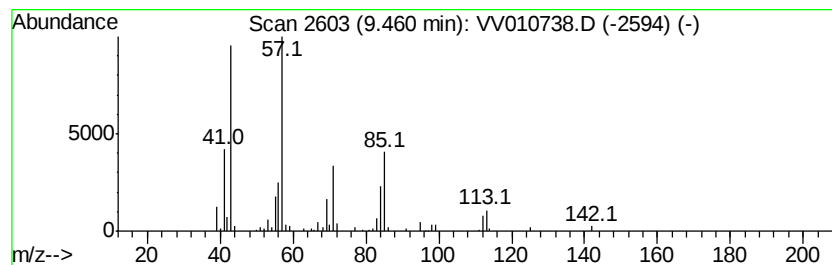
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	3.73 ug/L	88879	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	59
2		Tridecane, 5-methyl-	198	C14H30	025117-31-1	50
3		Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	50
4		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

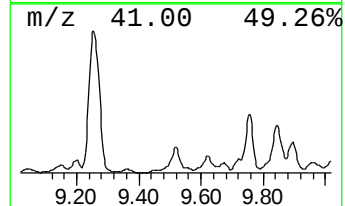
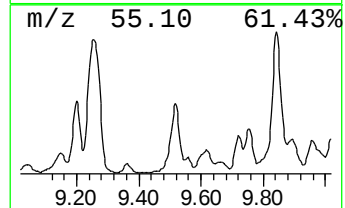
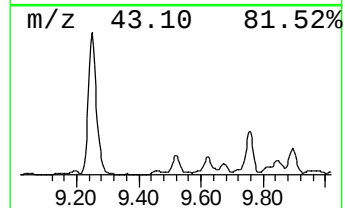
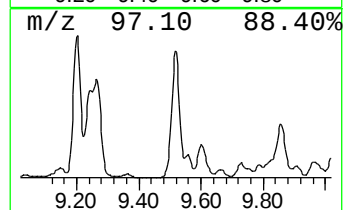
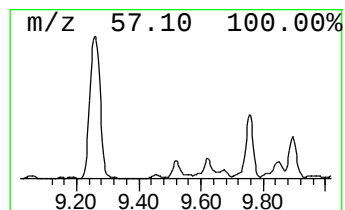
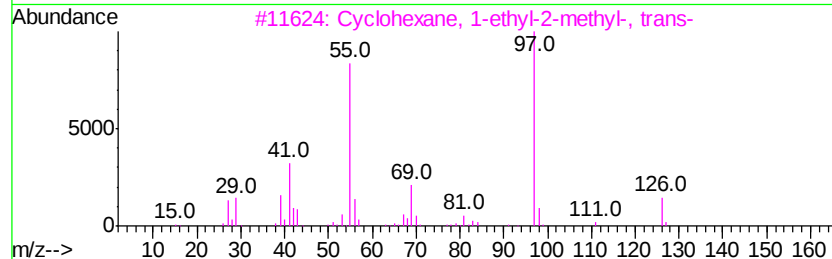
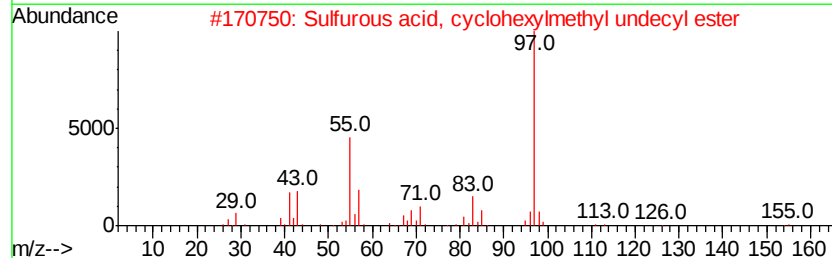
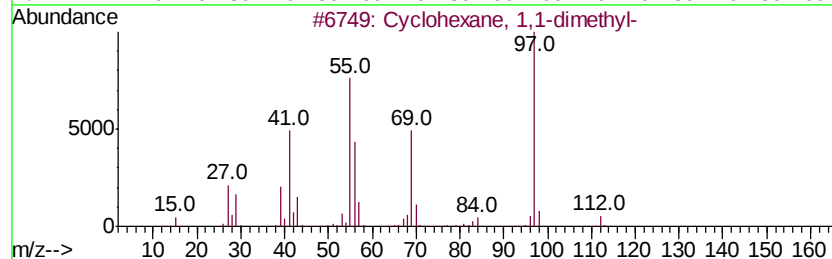
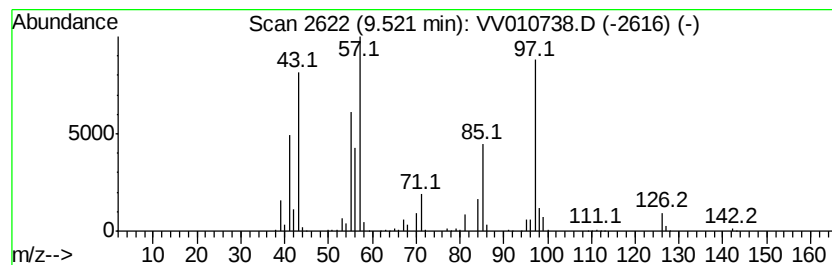
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Cyclic9.52 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	40.94 ug/L	975411	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	50
2		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	43
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	43
4		Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	43
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

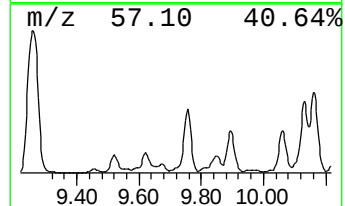
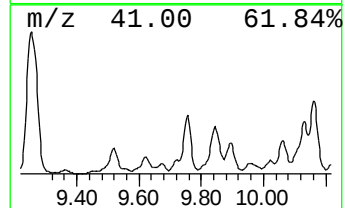
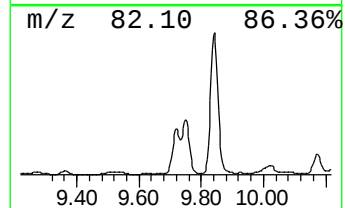
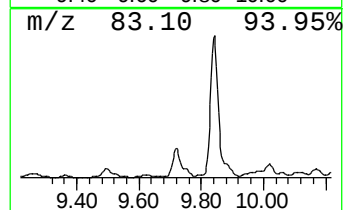
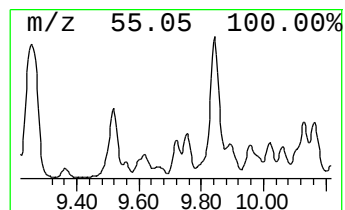
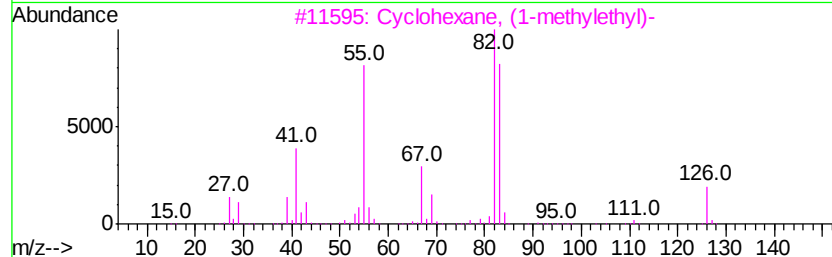
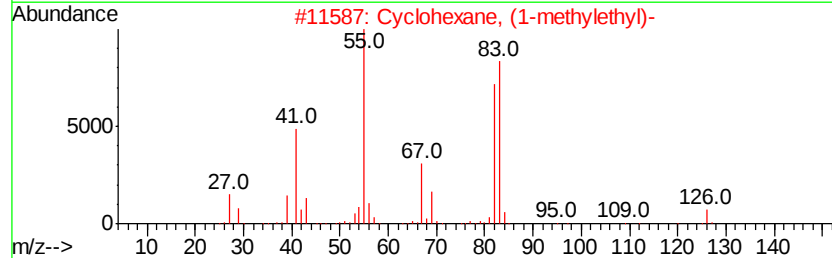
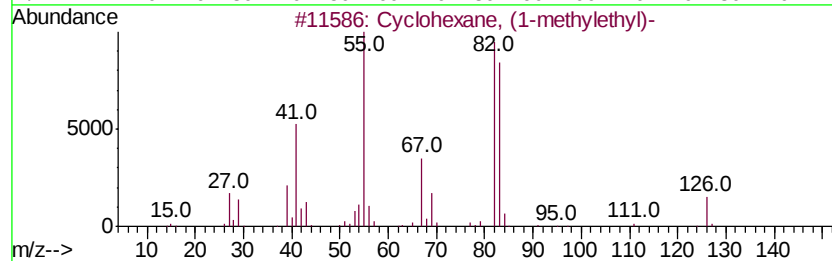
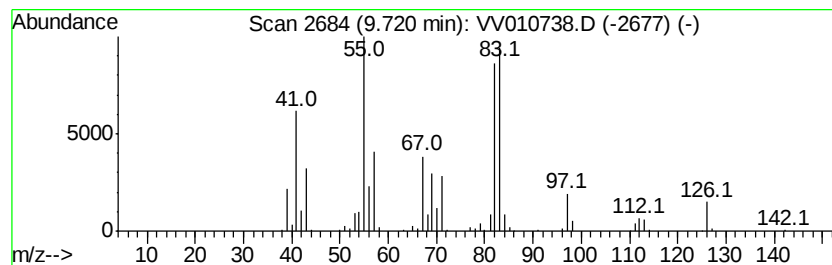
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic9.72 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	11.59 ug/L	276177	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

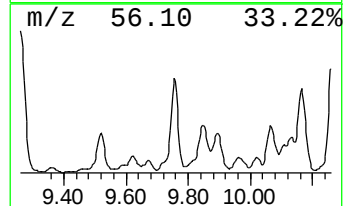
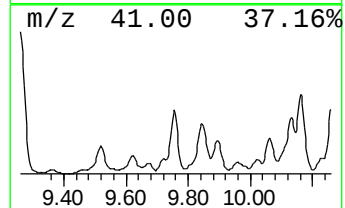
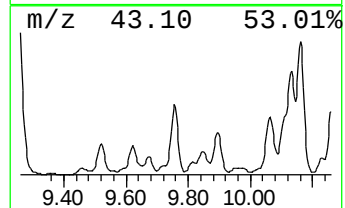
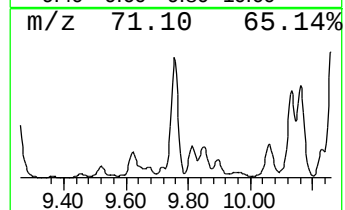
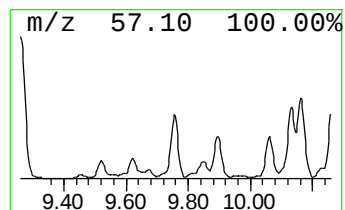
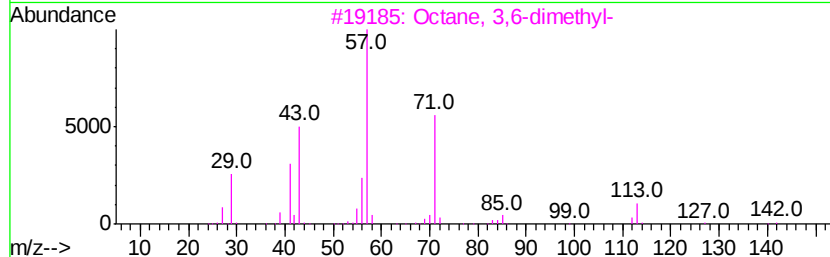
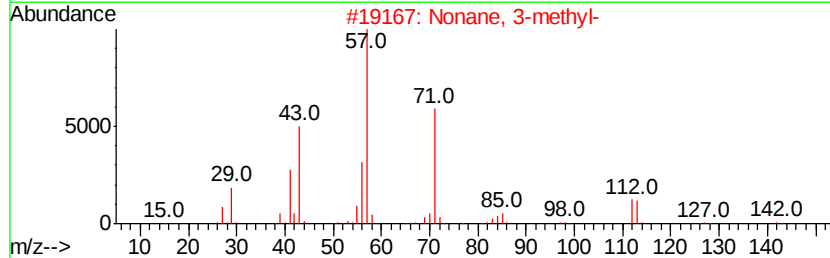
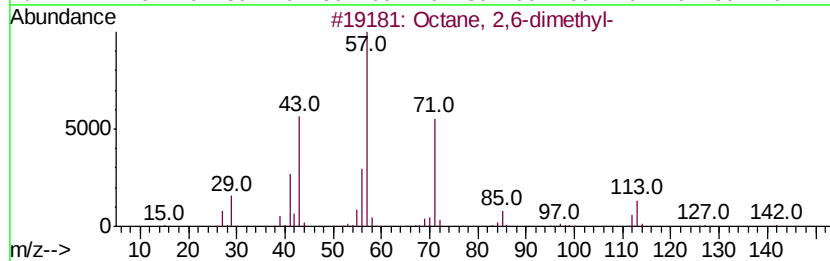
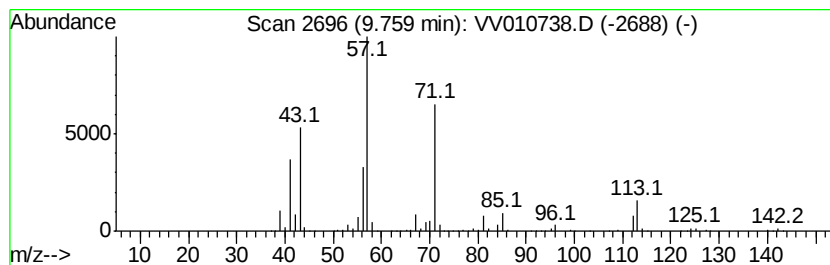
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	79.73 ug/L	1899290	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	93
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	87
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

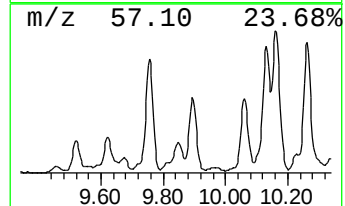
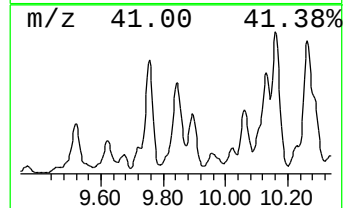
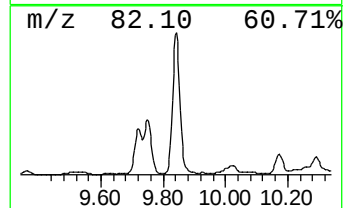
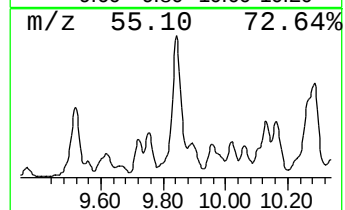
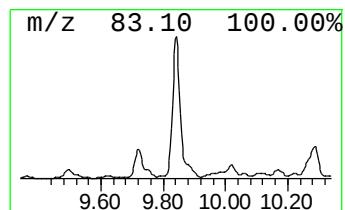
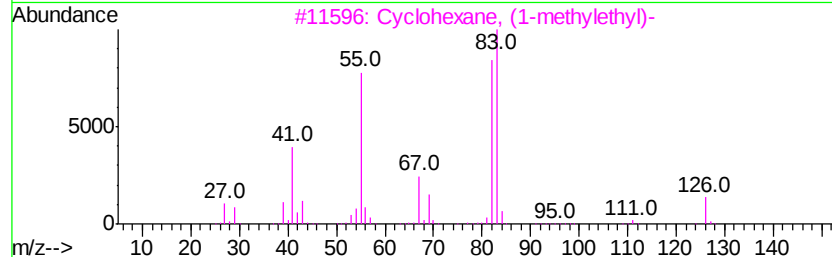
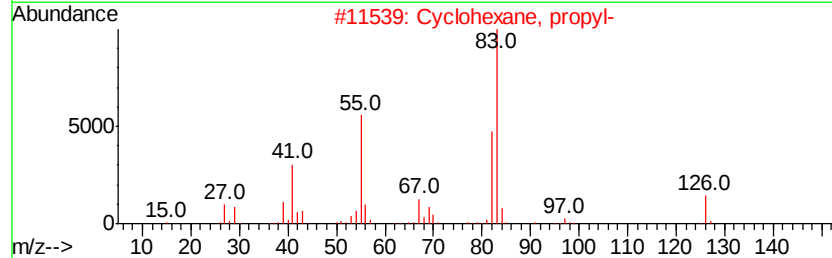
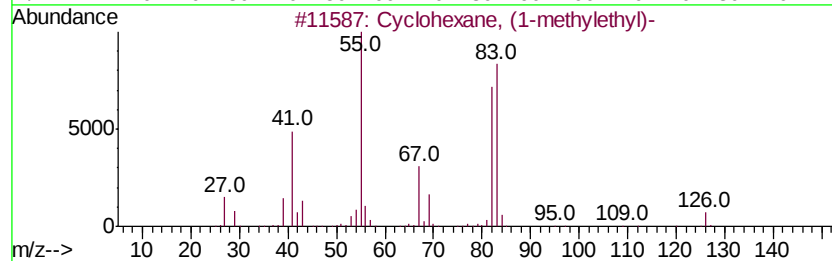
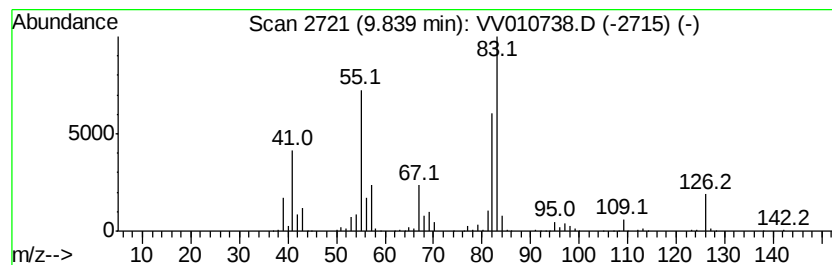
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Cyclic9.84 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	53.73 ug/L	1279980	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	87
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

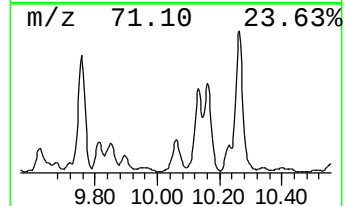
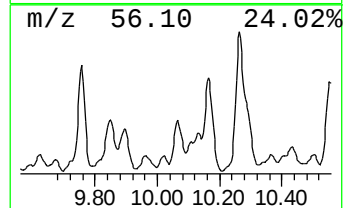
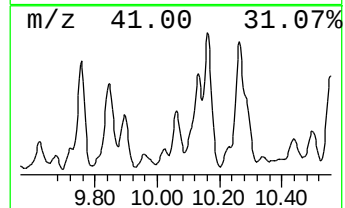
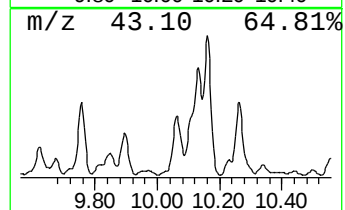
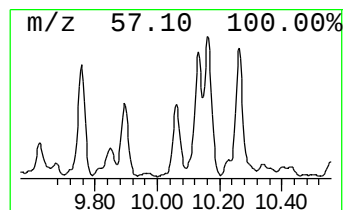
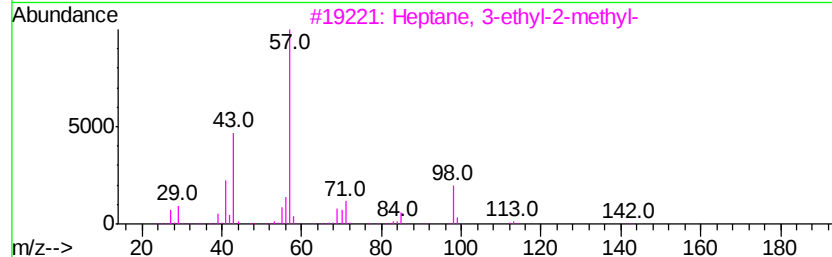
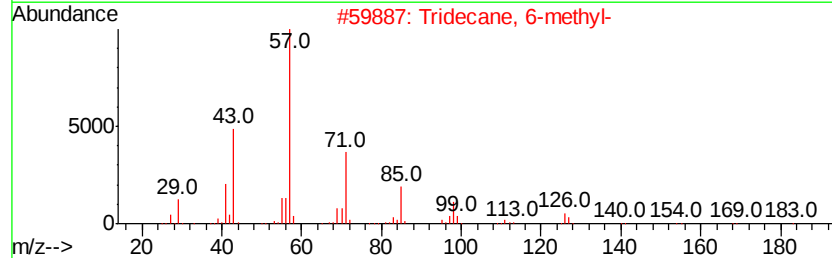
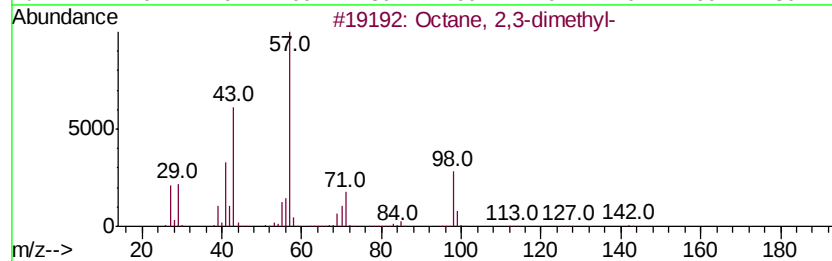
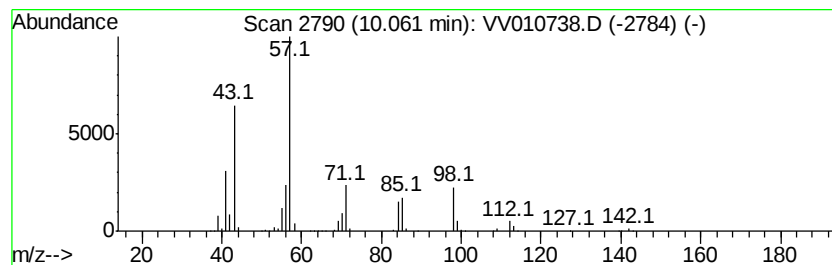
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	27.44 ug/L	653706	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4		Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
5		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

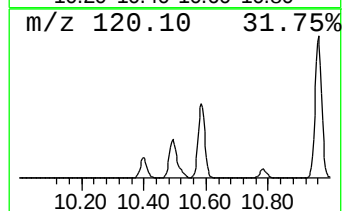
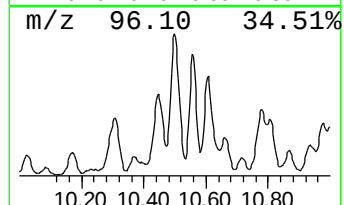
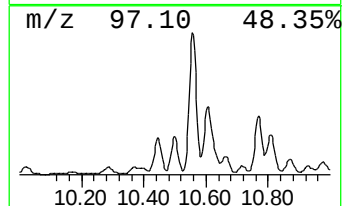
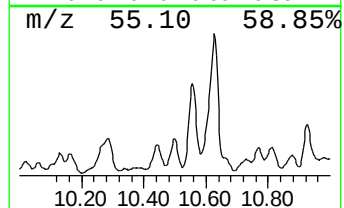
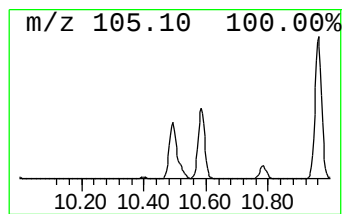
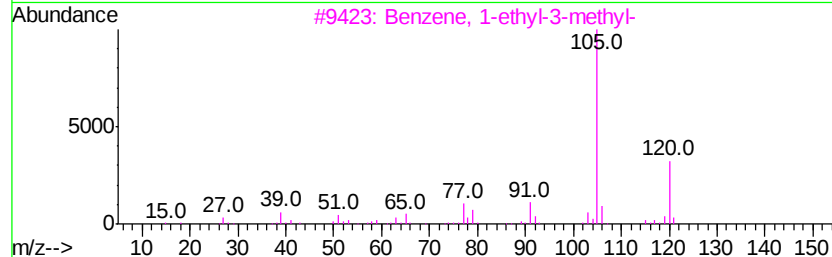
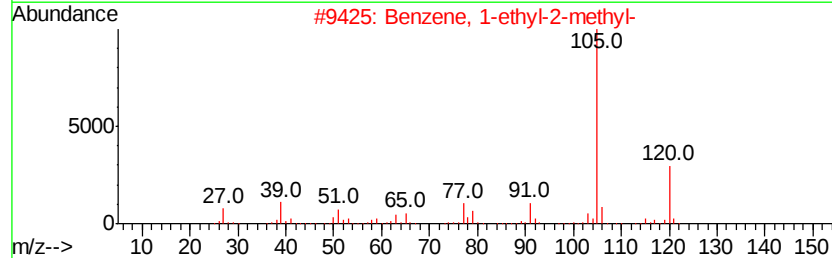
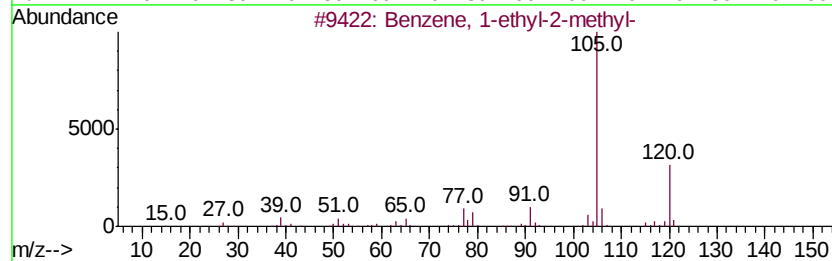
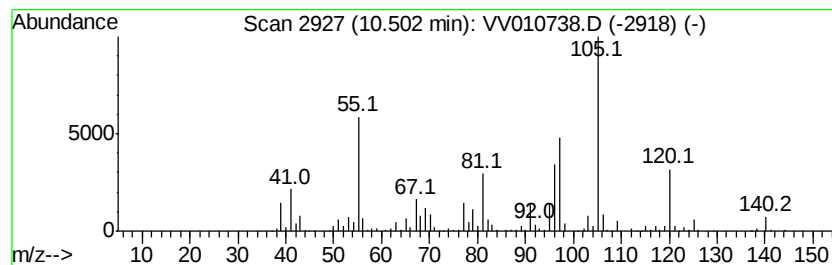
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 39 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	43.18 ug/L	1502340	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	89
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	89
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	89
4		Mesitylene	120	C9H12	000108-67-8	50
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

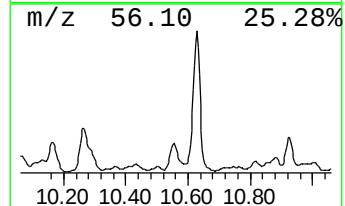
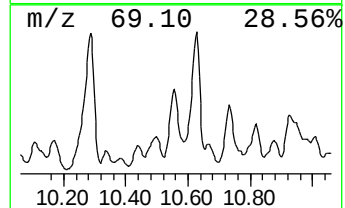
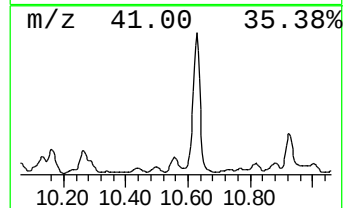
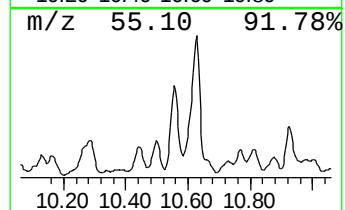
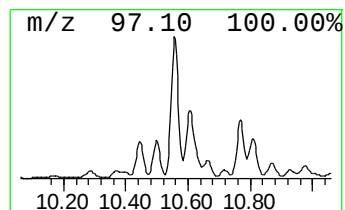
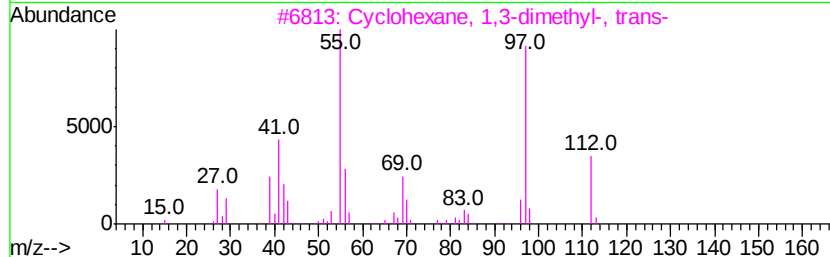
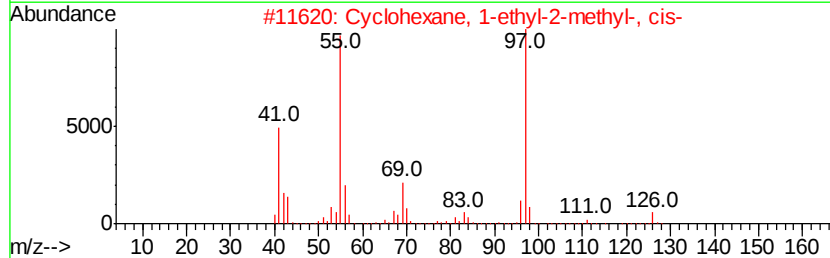
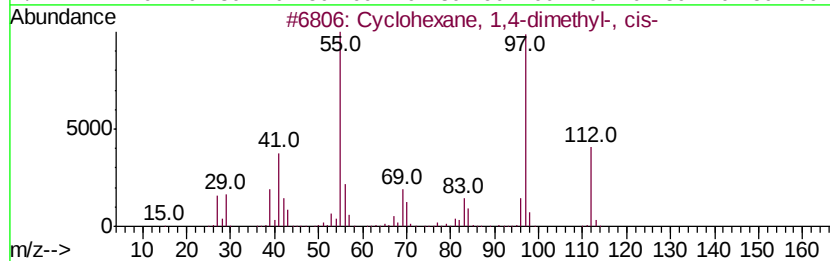
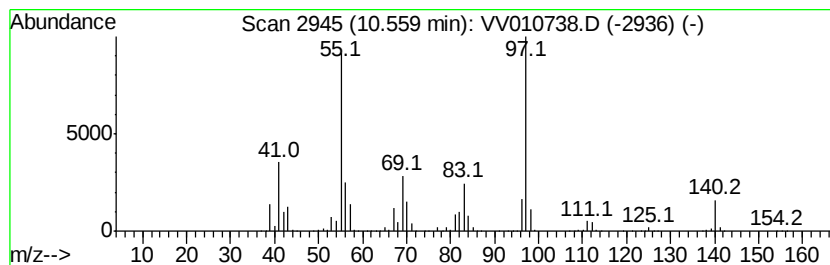
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Cyclic10.56 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	52.96 ug/L	1842720	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	80
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
4		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	64
5		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

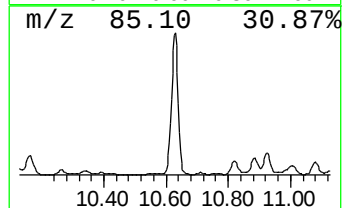
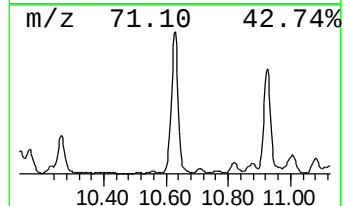
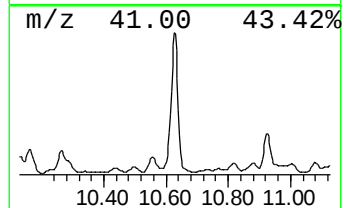
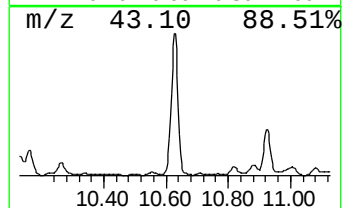
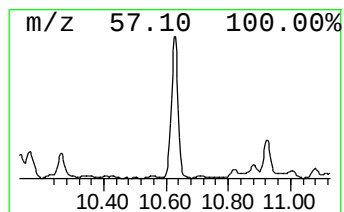
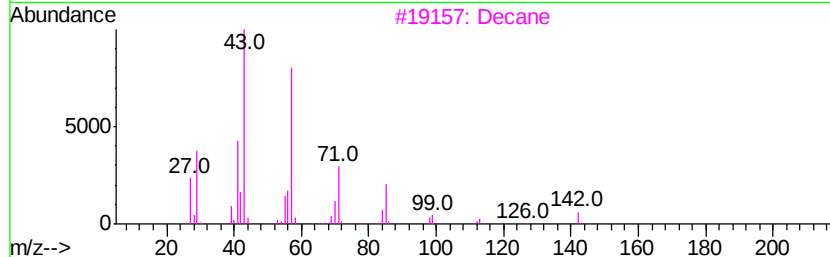
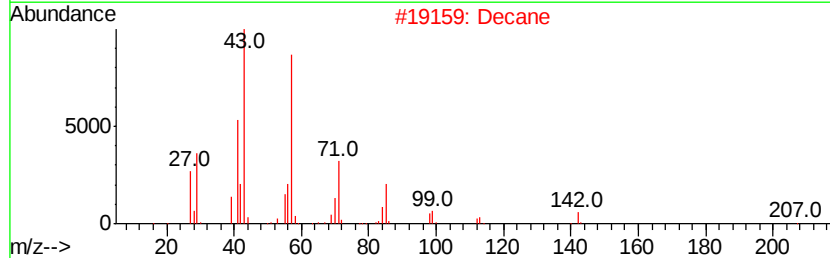
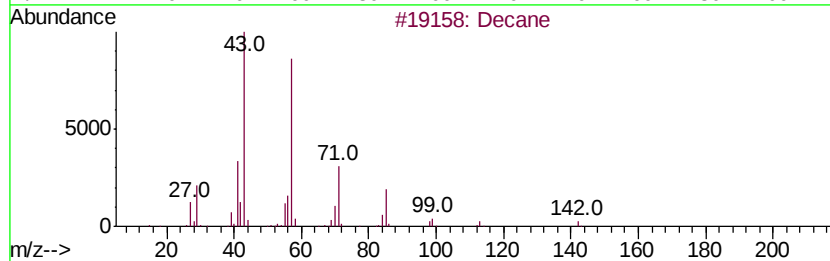
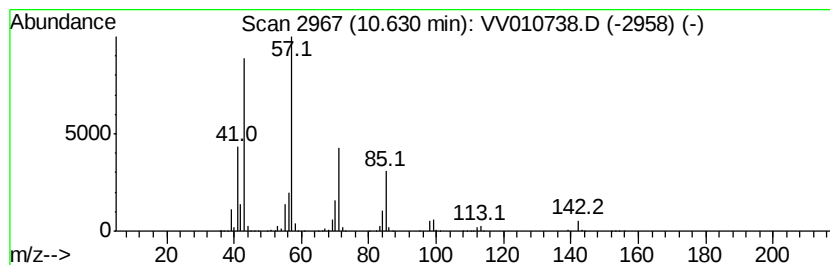
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	376.57 ug/L	13102400	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	91
2		Decane	142	C10H22	000124-18-5	90
3		Decane	142	C10H22	000124-18-5	81
4		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	72
5		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

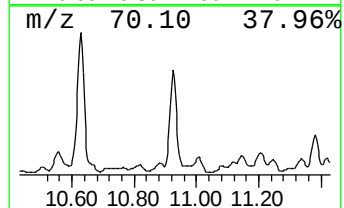
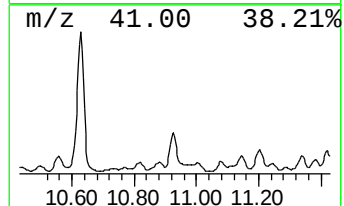
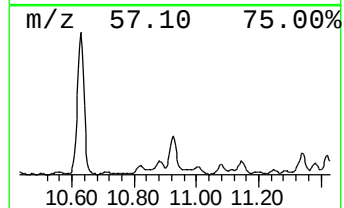
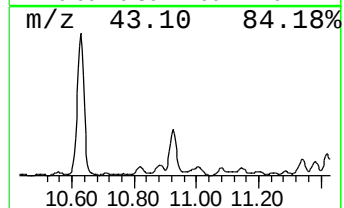
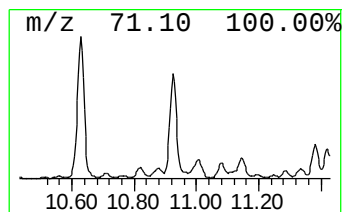
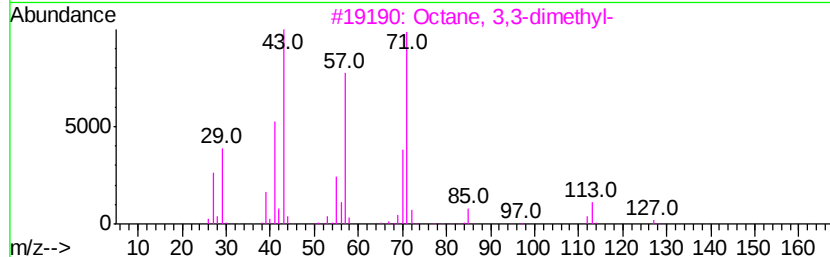
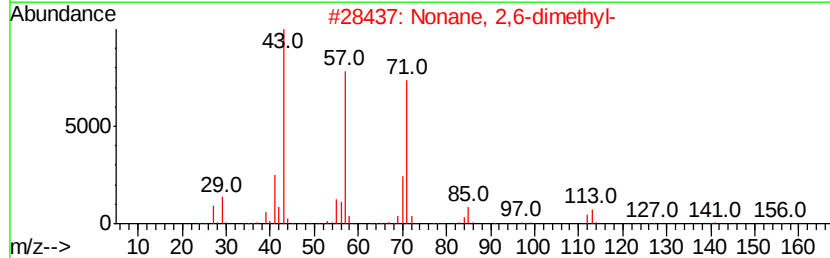
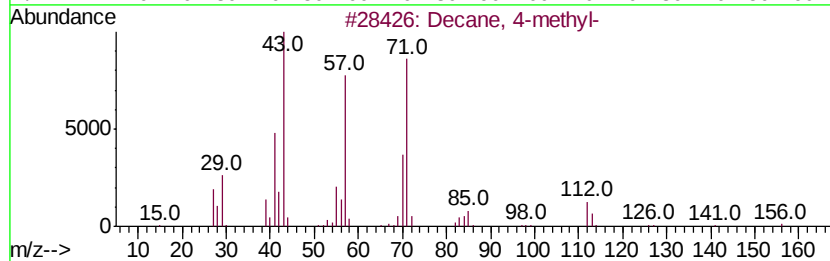
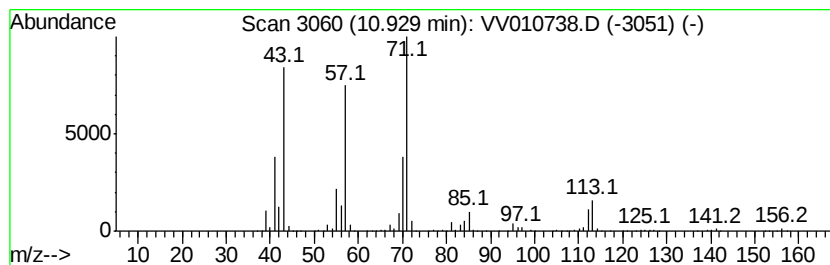
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	110.63 ug/L	3849200	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
4		Octane, 3-ethyl-	142	C10H22	005881-17-4	78
5		Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

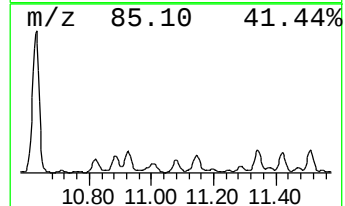
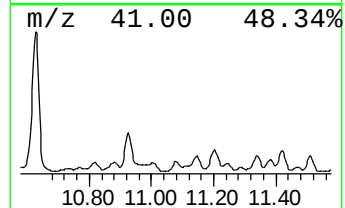
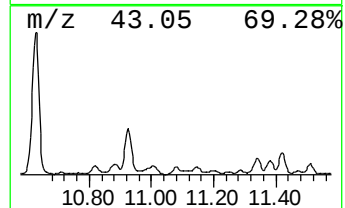
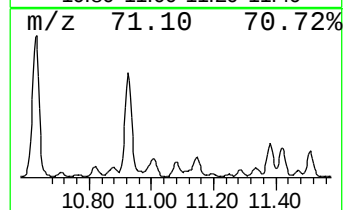
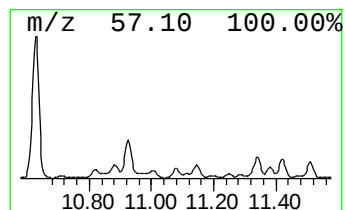
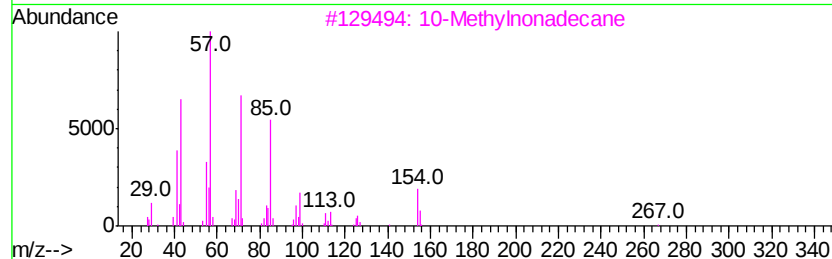
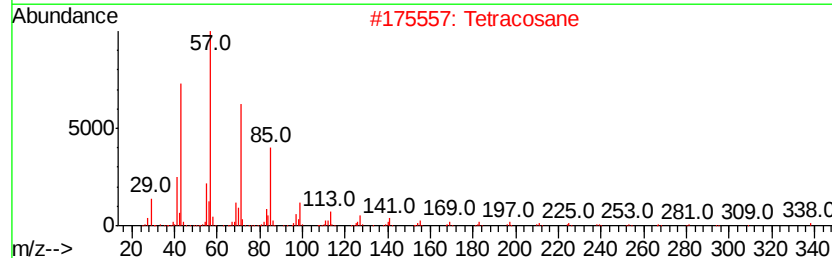
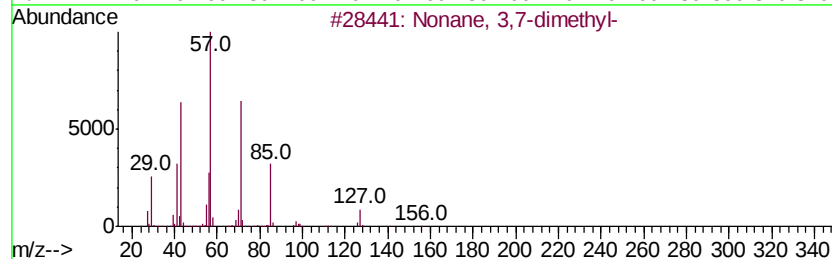
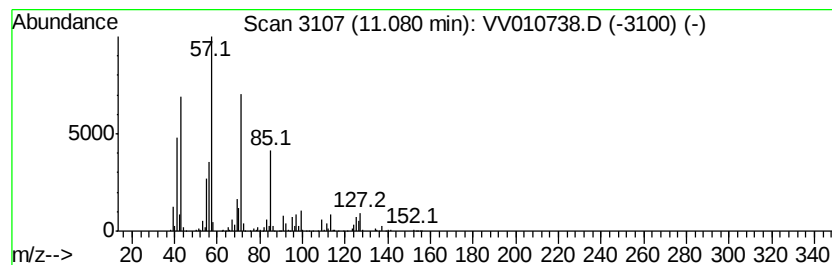
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	27.53 ug/L	957998	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
2			Tetracosane	338	C24H50	000646-31-1	64
3			10-Methylnonadecane	282	C20H42	056862-62-5	64
4			Heptacosane	380	C27H56	000593-49-7	64
5			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

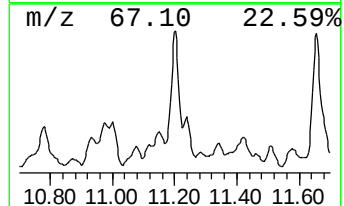
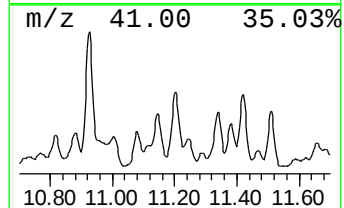
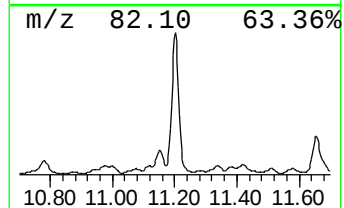
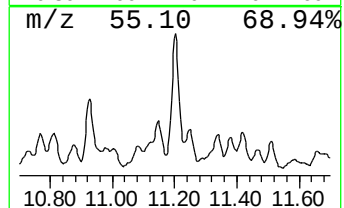
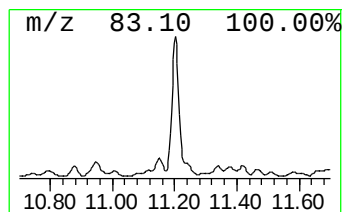
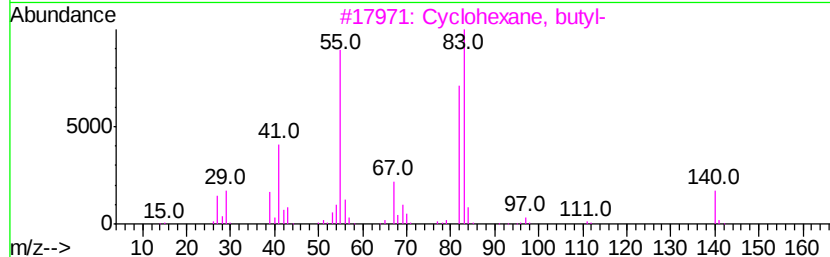
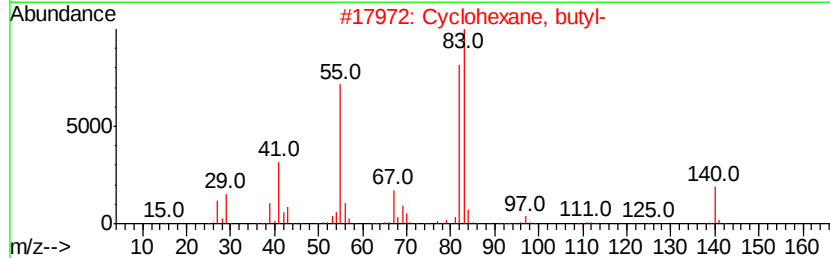
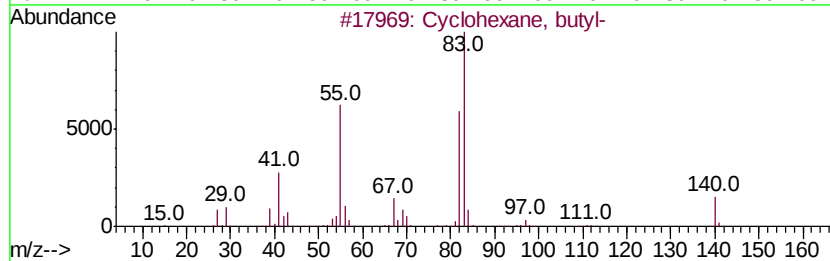
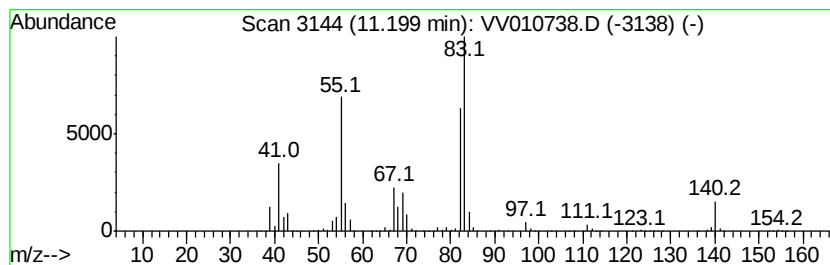
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Cyclic11.20 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	54.14 ug/L	1883680	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	86
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	78
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

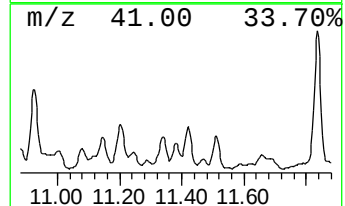
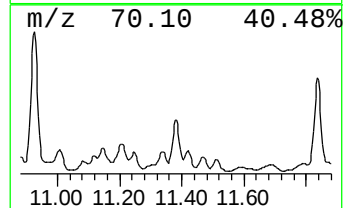
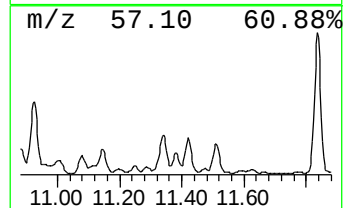
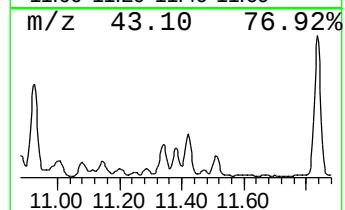
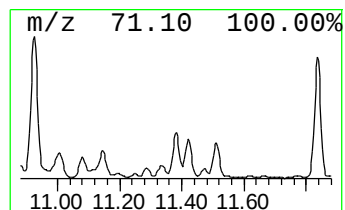
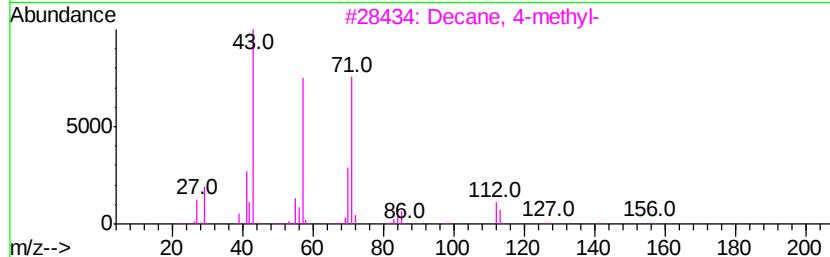
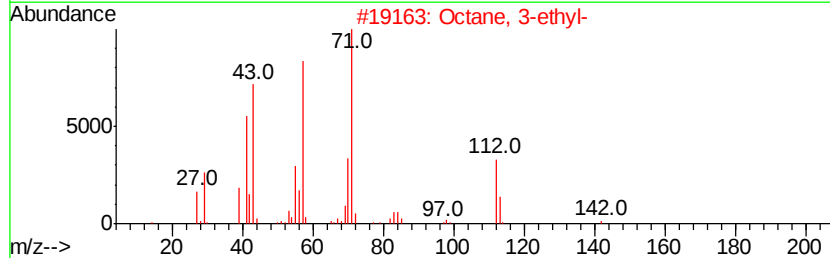
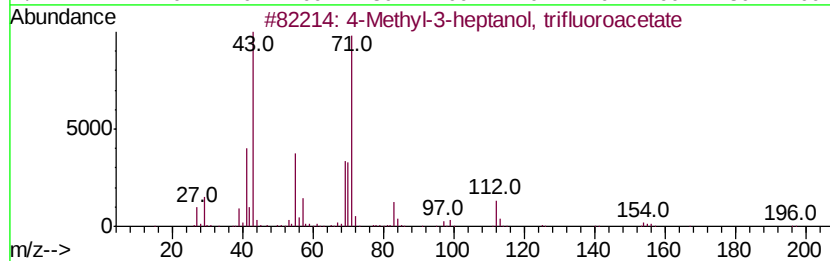
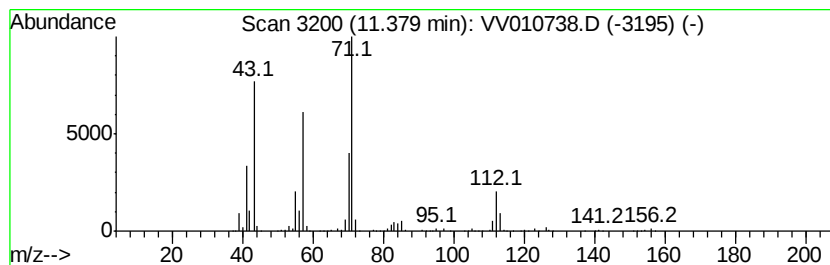
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 45 4-Methyl-3-heptanol, triflu... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	25.00 ug/L	869841	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	78
2		Octane, 3-ethyl-	142	C10H22	005881-17-4	64
3		Decane, 4-methyl-	156	C11H24	002847-72-5	64
4		Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	59
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

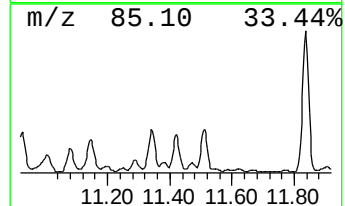
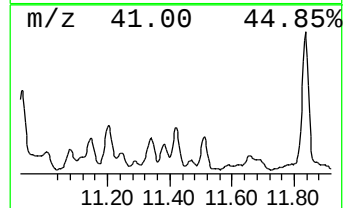
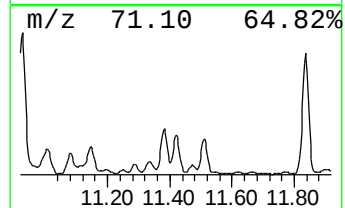
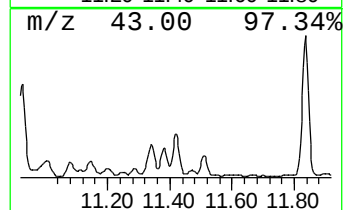
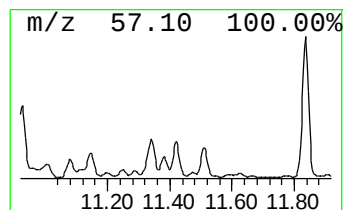
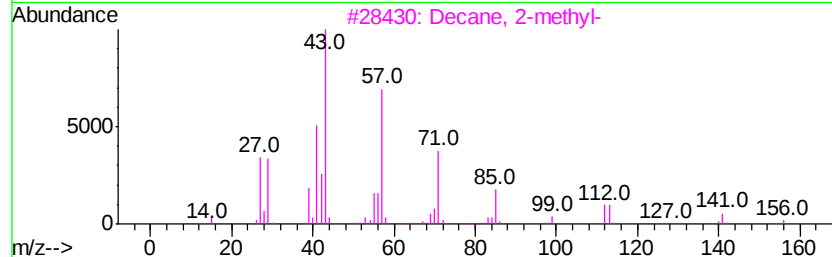
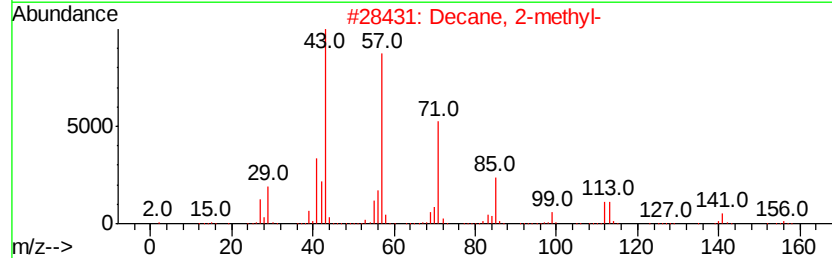
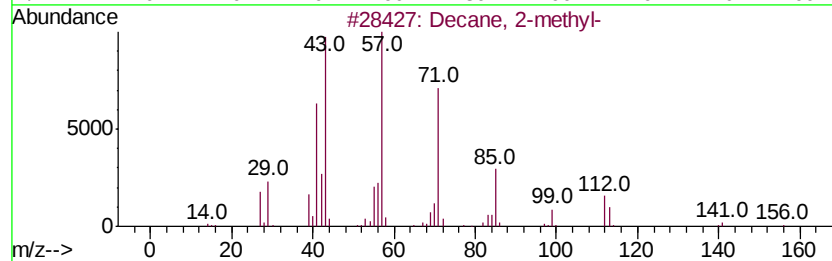
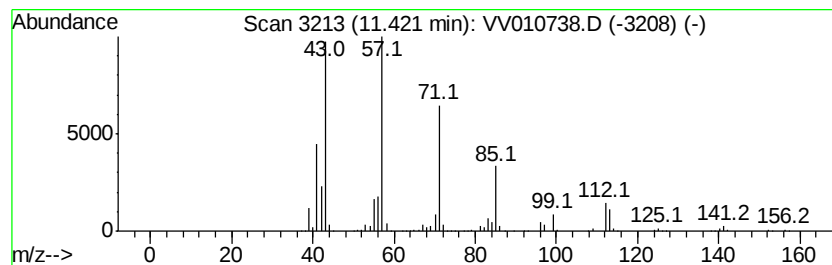
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	45.59 ug/L	1586160	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	95
2		Decane, 2-methyl-	156	C11H24	006975-98-0	90
3		Decane, 2-methyl-	156	C11H24	006975-98-0	83
4		Decane, 2-methyl-	156	C11H24	006975-98-0	74
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

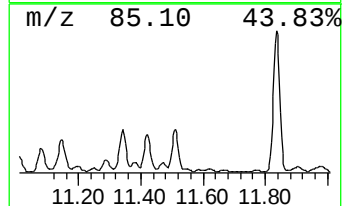
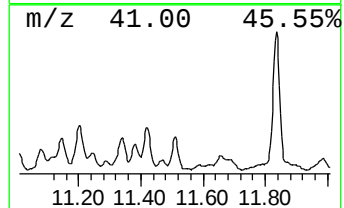
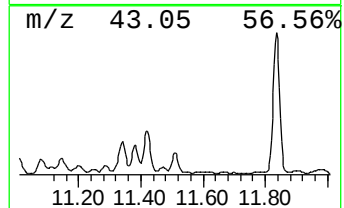
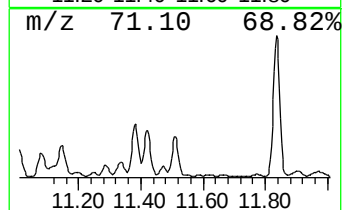
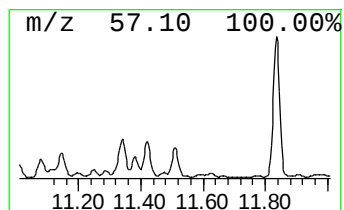
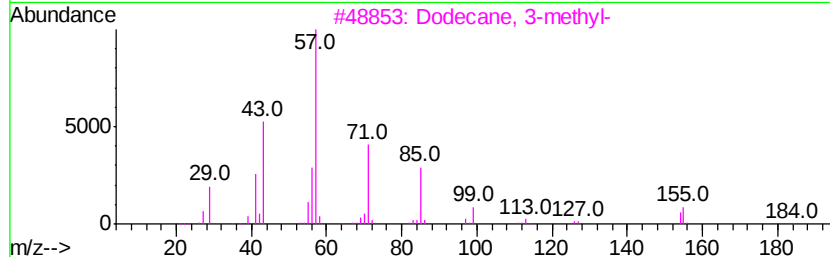
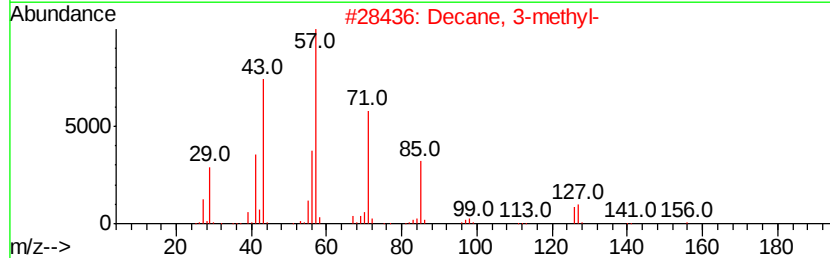
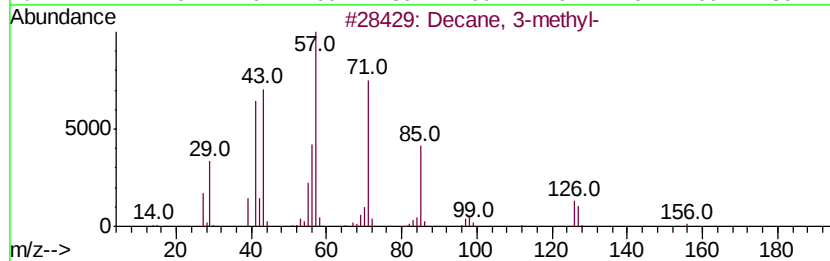
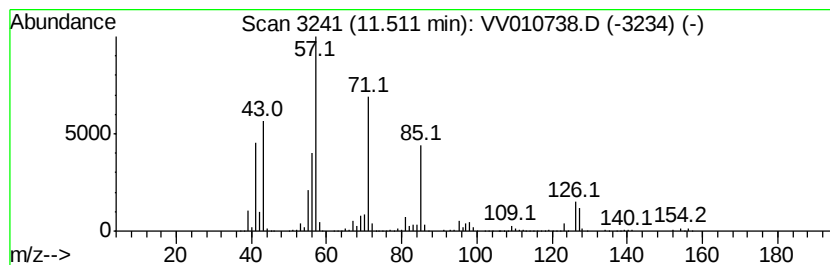
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	46.27 ug/L	1610050	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2		Decane, 3-methyl-	156	C11H24	013151-34-3	94
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
4		Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	59
5		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

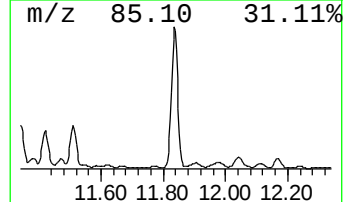
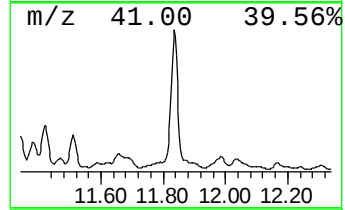
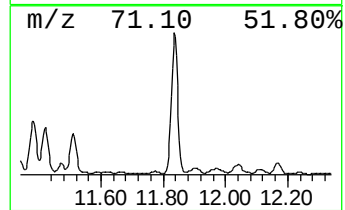
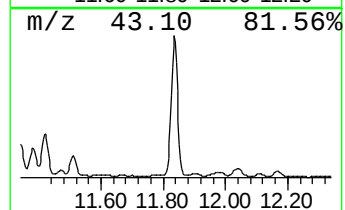
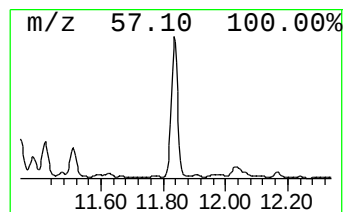
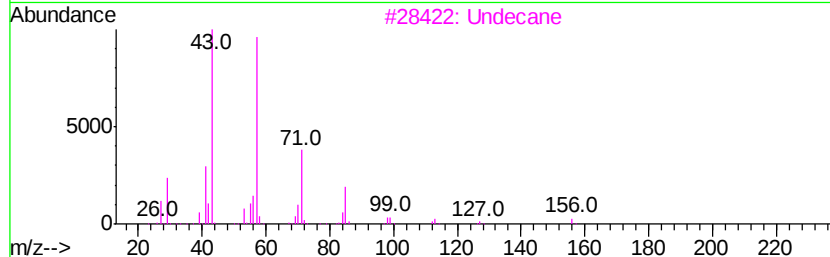
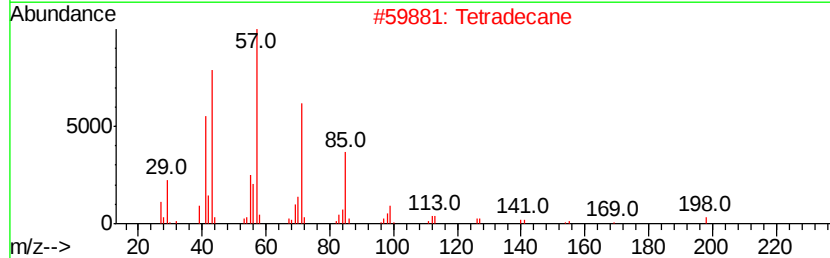
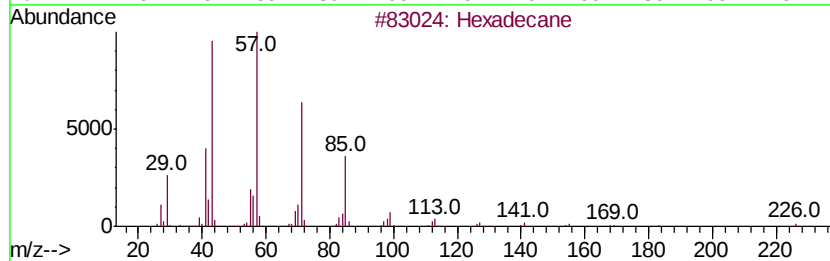
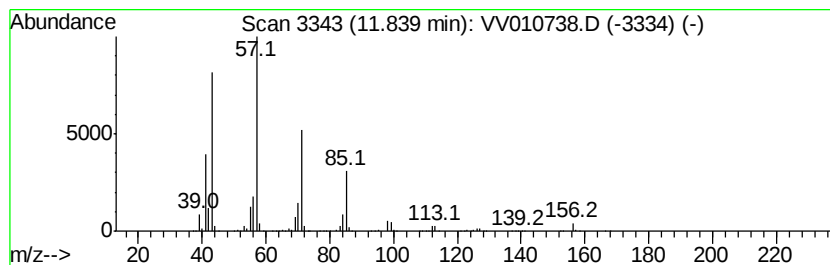
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	151.25 ug/L	5262530	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Tetradecane	198	C14H30	000629-59-4	90
3		Undecane	156	C11H24	001120-21-4	87
4		Tridecane	184	C13H28	000629-50-5	86
5		Tridecane	184	C13H28	000629-50-5	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

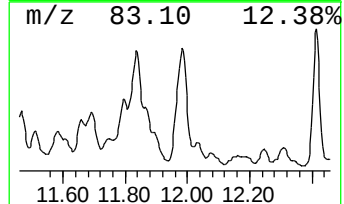
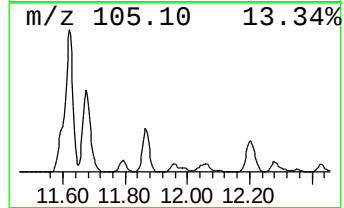
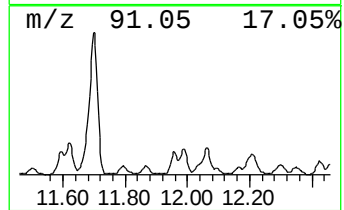
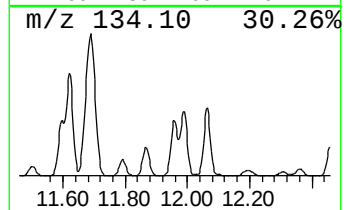
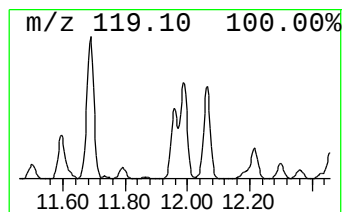
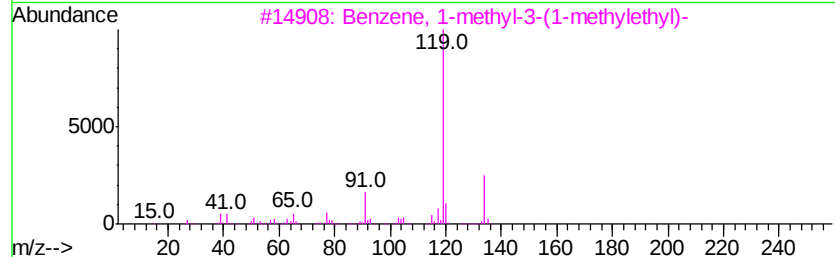
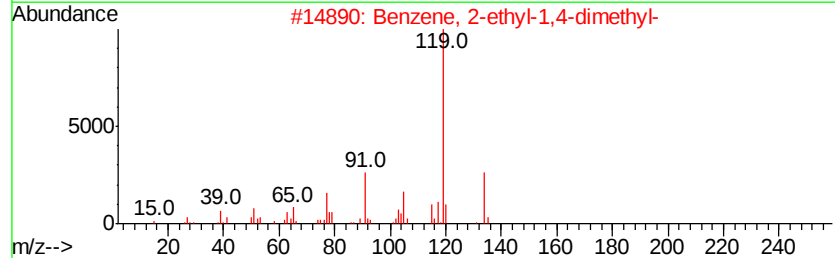
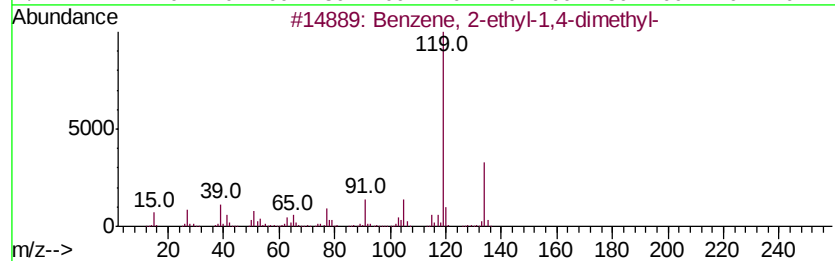
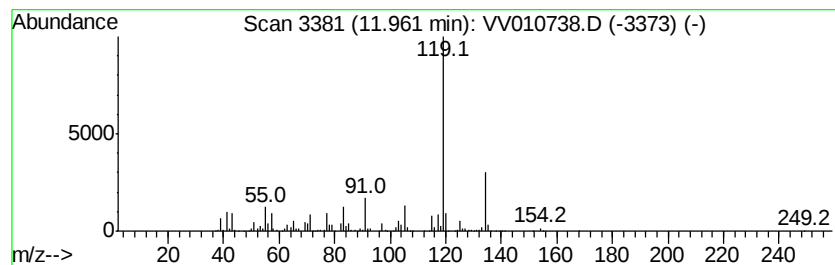
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	20.25 ug/L	704522	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

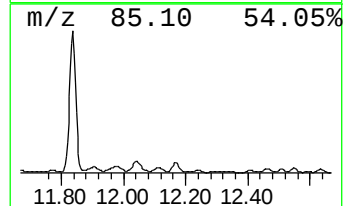
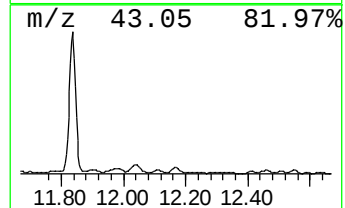
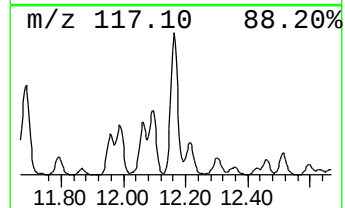
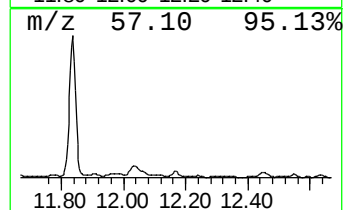
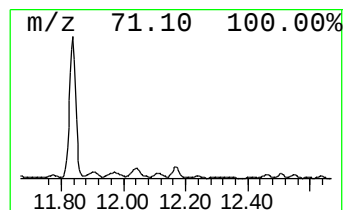
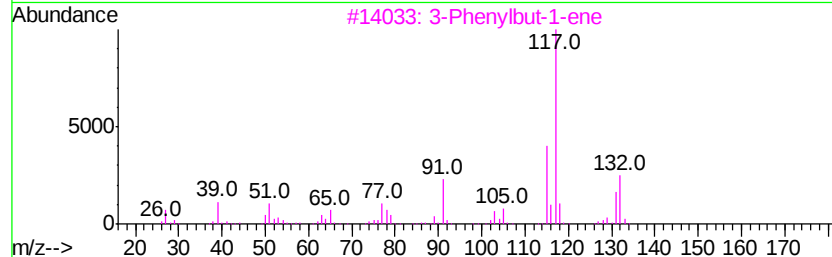
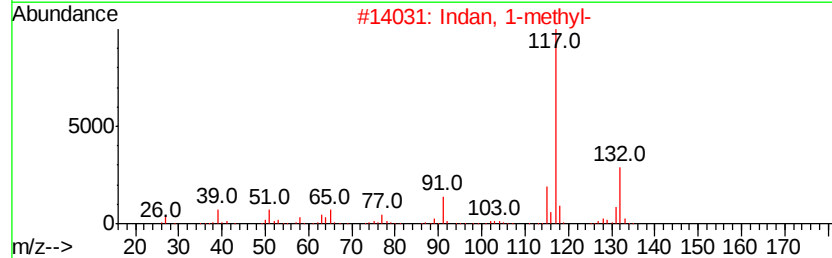
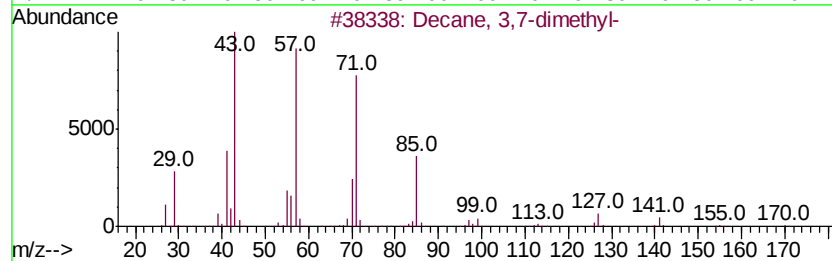
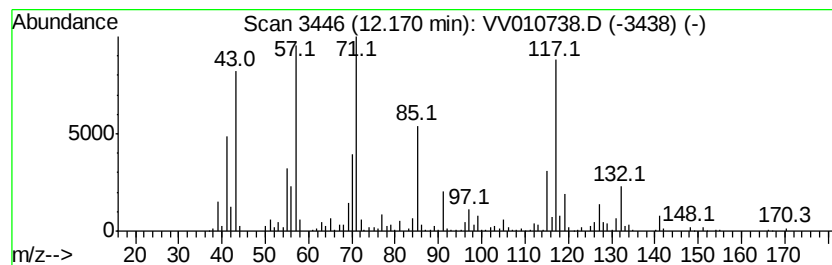
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	14.55 ug/L	506403	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	50
2		Indan, 1-methyl-	132	C10H12	000767-58-8	42
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	38
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	38
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

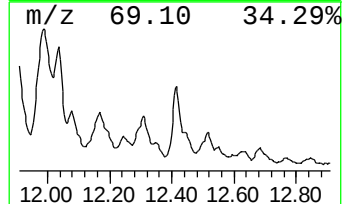
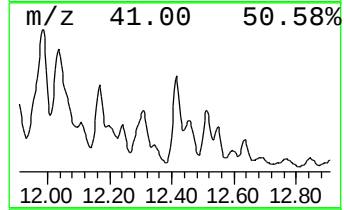
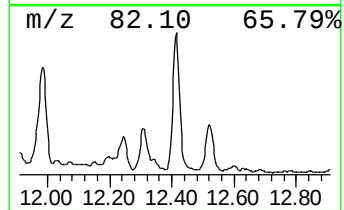
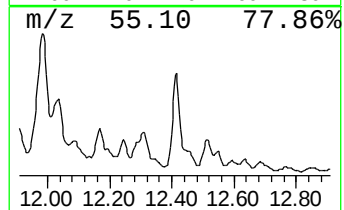
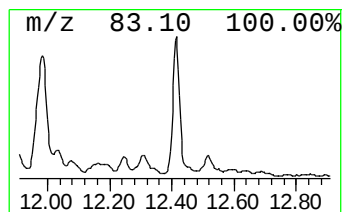
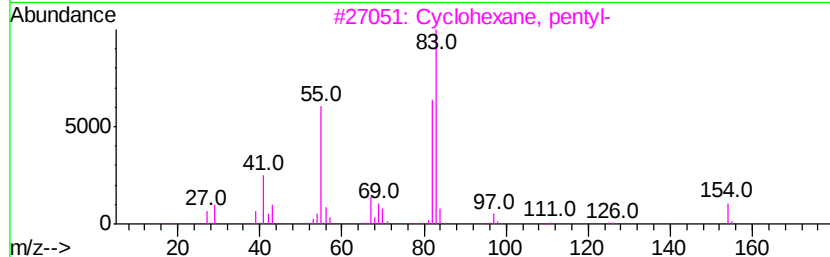
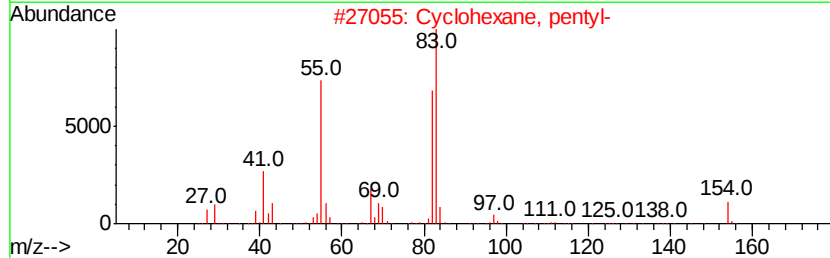
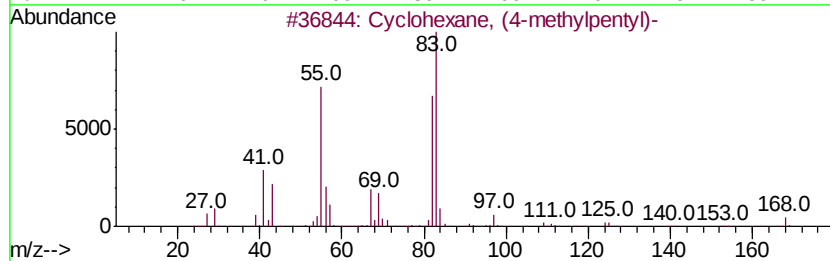
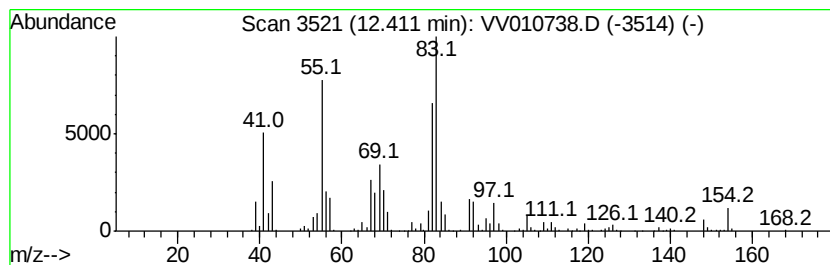
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Cyclic12.41 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	20.15 ug/L	701208	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
5		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

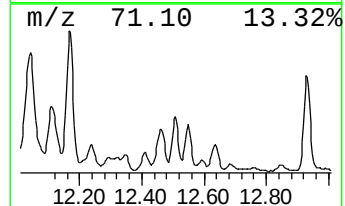
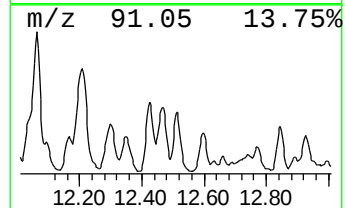
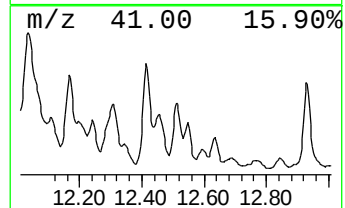
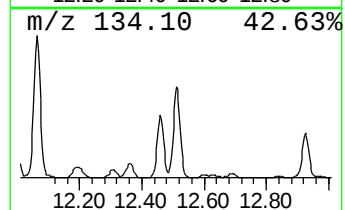
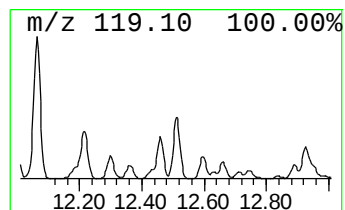
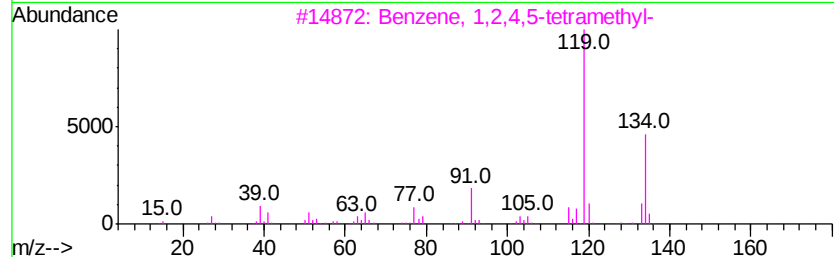
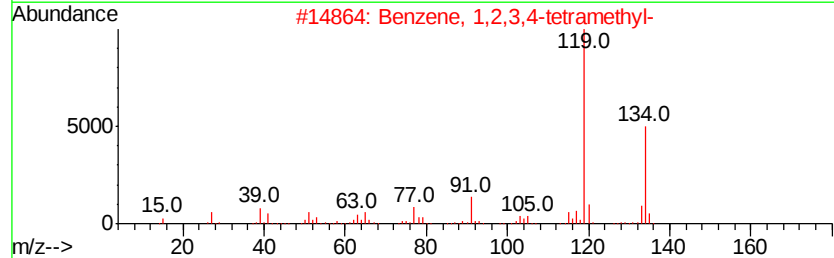
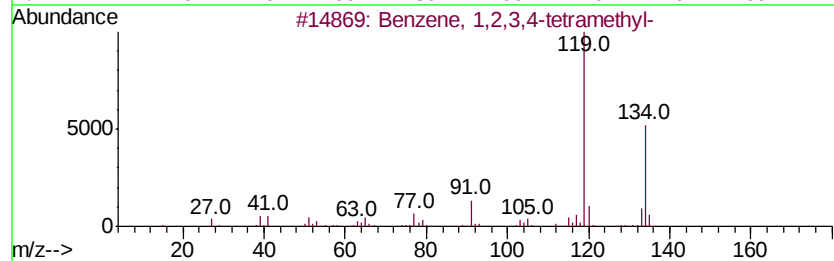
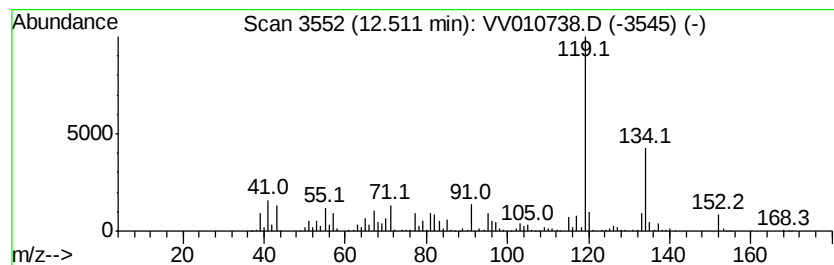
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	18.51 ug/L	643869	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

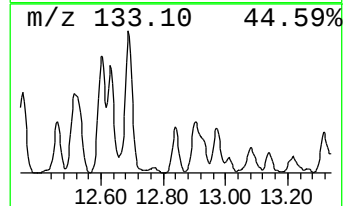
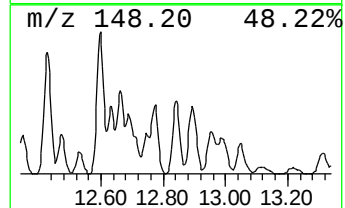
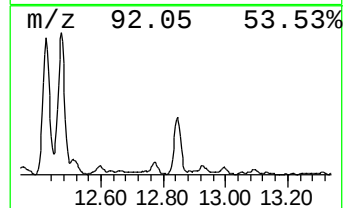
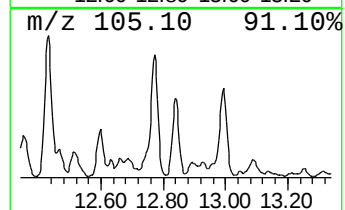
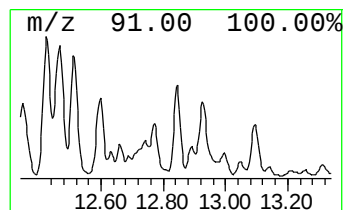
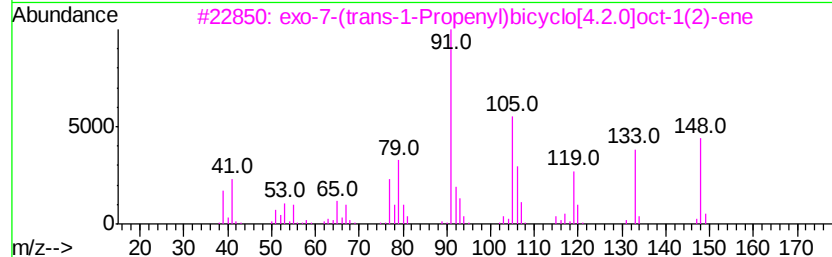
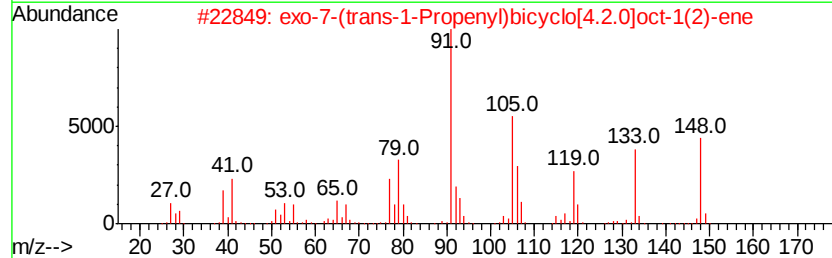
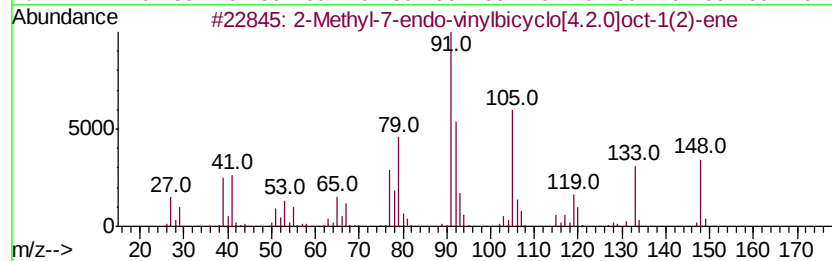
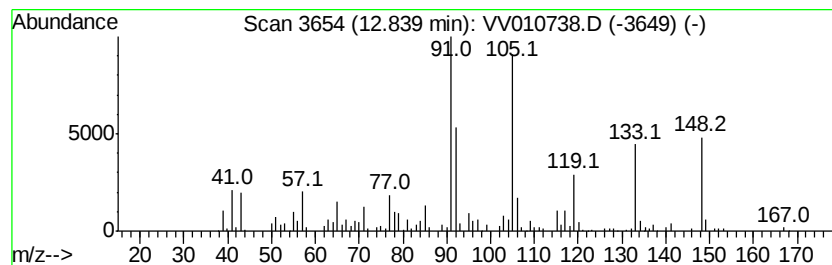
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 53 2-Methyl-7-endo-vinylbicycl... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	2.97 ug/L	103291	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyl-7-endo-vinylbicyclo[4.2.0]oct-1(2)-ene	148	C11H16	1000200-99-1	91
2		exo-7-(trans-1-Propenyl)bicyclo[4.2.0]oct-1(2)-ene	148	C11H16	107983-42-6	50
3		exo-7-(trans-1-Propenyl)bicyclo[4.2.0]oct-1(2)-ene	148	C11H16	107983-42-6	50
4		Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	38
5		Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A5162

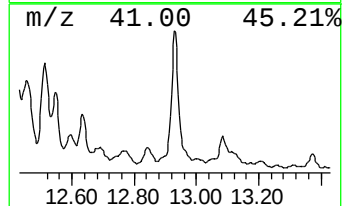
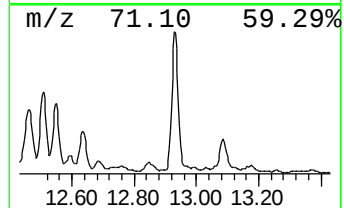
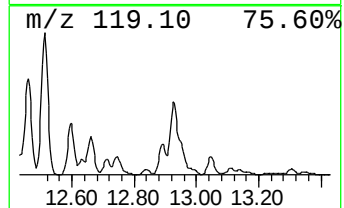
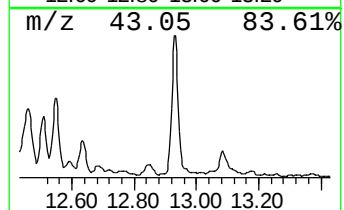
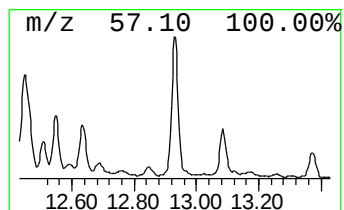
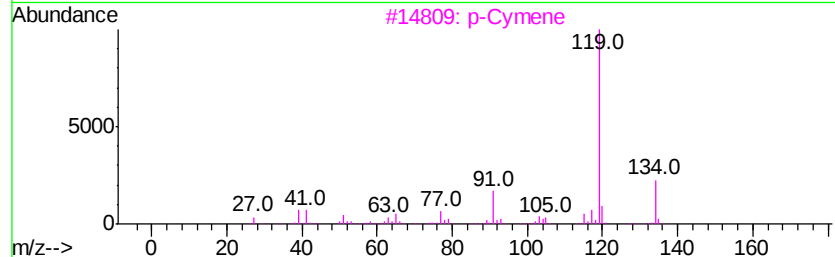
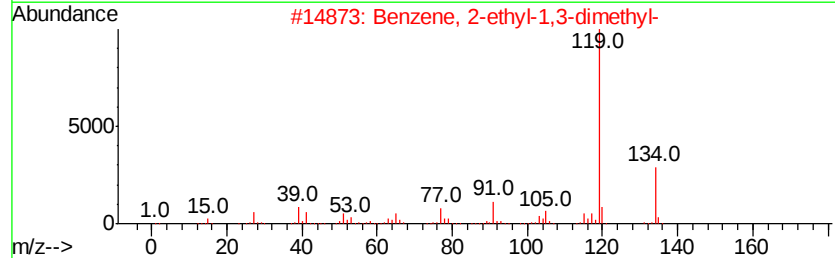
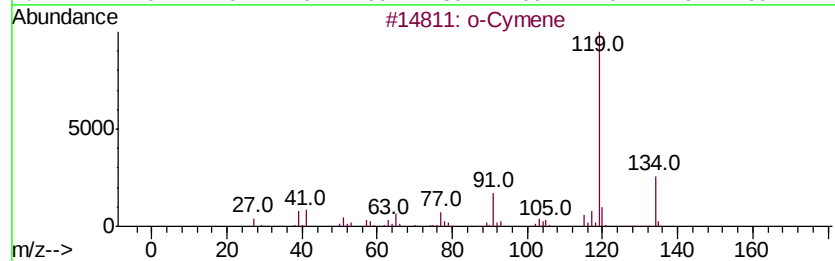
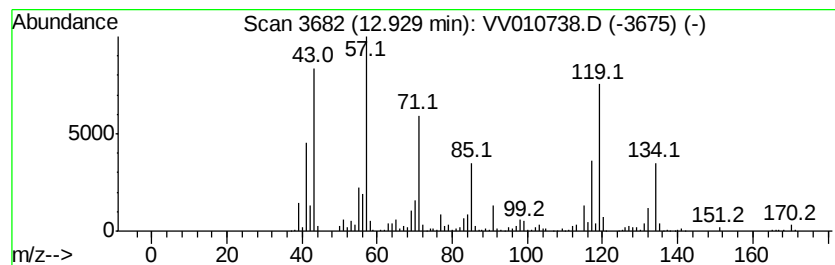
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 54 o-Cymene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	15.61 ug/L	542982	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	41
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	41
3		p-Cymene	134	C10H14	000099-87-6	41
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	41
5		o-Cymene	134	C10H14	000527-84-4	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
Operator : SY/MD
Sample : K2690-16
Misc : 6.69G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5162

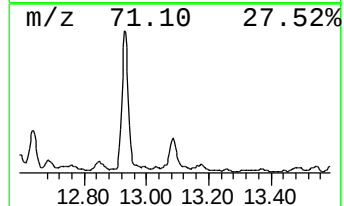
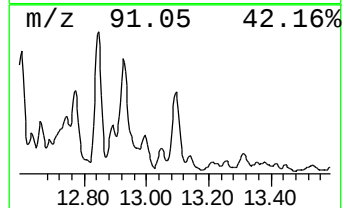
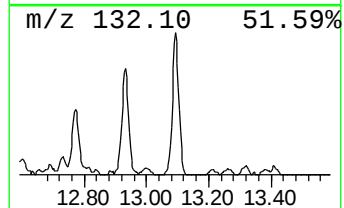
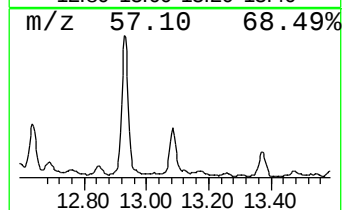
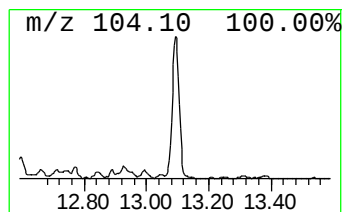
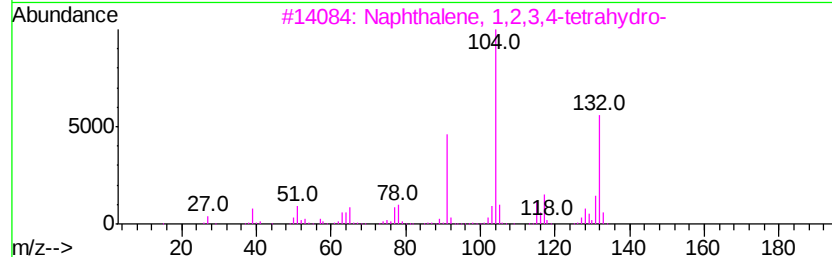
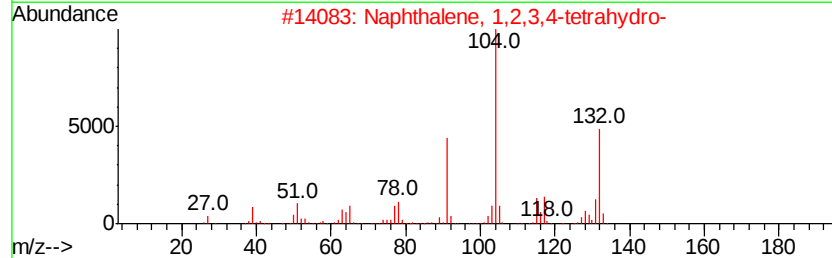
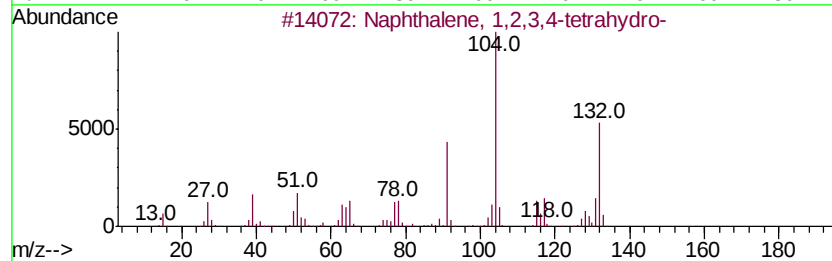
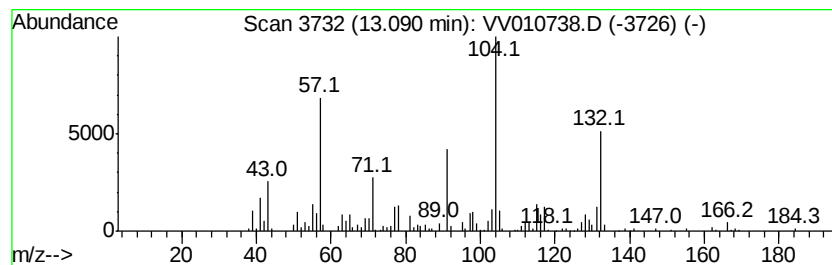
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

Peak Number 55 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	7.81 ug/L	271751	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
2			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
3			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
4			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	58
5			Indan, epoxide	132	C9H8O	000768-22-9	53



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
 Data File : VV010738.D
 Acq On : 08 May 2019 21:12
 Operator : SY/MD
 Sample : K2690-16
 Misc : 6.69G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5162

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.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...		3.08	12.1	ug/L	19205	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		3.66	7.6	ug/L	12118	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		3.80	1.3	ug/L	2003	1	5.67	39857	25.0
(DEL)	Alkane:	Str...		4.81	11.0	ug/L	17598	1	5.67	39857	25.0
(DEL)	Alkane:	Str...		4.96	45.8	ug/L	72998	1	5.67	39857	25.0
(DEL)	Alkane:	Str...		5.23	13.5	ug/L	21473	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		5.37	19.5	ug/L	31018	1	5.67	39857	25.0
(DEL)	Alkane:	Str...		5.54	97.2	ug/L	155033	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		5.82	591.9	ug/L	943582	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		5.96	42211.7	ug/L	67297300	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		6.03	477.0	ug/L	760453	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		6.26	18242.2	ug/L	29083200	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		6.45	1238.4	ug/L	1974330	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		6.60	894.3	ug/L	1425720	1	5.67	39857	25.0
Cyclohexanol, 3,3...				6.82	24.5	ug/L	39063	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		6.90	3712.0	ug/L	5917910	1	5.67	39857	25.0
(DEL)	Alkane:	Str...		6.96	183.1	ug/L	291921	1	5.67	39857	25.0
(DEL)	Alkane:	Str...		7.13	160.8	ug/L	256376	1	5.67	39857	25.0
(DEL)	Alkane:	Cyc...		7.49	6.4	ug/L	151729	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		7.61	37.9	ug/L	902237	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		7.83	6.1	ug/L	145915	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		8.25	5.4	ug/L	129290	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		8.33	17.0	ug/L	405744	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		8.40	11.1	ug/L	263515	2	8.90	595572	25.0
1-Undecanol				8.55	2.9	ug/L	68811	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		8.61	6.3	ug/L	150490	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		8.71	28.0	ug/L	667304	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		8.83	25.0	ug/L	595572	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		9.26	287.0	ug/L	6837310	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		9.36	8.1	ug/L	193094	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		9.46	3.7	ug/L	88879	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		9.52	40.9	ug/L	975411	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		9.72	11.6	ug/L	276177	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		9.76	79.7	ug/L	1899290	2	8.90	595572	25.0
(DEL)	Alkane:	Cyc...		9.84	53.7	ug/L	1279980	2	8.90	595572	25.0
(DEL)	Alkane:	Str...		10.06	27.4	ug/L	653706	2	8.90	595572	25.0
Benzene, 1-ethyl-...				10.50	43.2	ug/L	1502340	3	11.30	869841	25.0
(DEL)	Alkane:	Cyc...		10.56	53.0	ug/L	1842720	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		10.63	376.6	ug/L	13102400	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		10.93	110.6	ug/L	3849200	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		11.08	27.5	ug/L	957998	3	11.30	869841	25.0
(DEL)	Alkane:	Cyc...		11.20	54.1	ug/L	1883680	3	11.30	869841	25.0
4-Methyl-3-heptan...				11.38	25.0	ug/L	869841	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		11.42	45.6	ug/L	1586160	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		11.51	46.3	ug/L	1610050	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		11.84	151.3	ug/L	5262530	3	11.30	869841	25.0
Benzene, 2-ethyl-...				11.96	20.3	ug/L	704522	3	11.30	869841	25.0
(DEL)	Alkane:	Str...		12.17	14.6	ug/L	506403	3	11.30	869841	25.0
(DEL)	Alkane:	Cyc...		12.41	20.1	ug/L	701208	3	11.30	869841	25.0

Benzene, 1,2,3,4-...	12.51	18.5 ug/L	643869	3	11.30	869841	25.0
2-Methyl-7-endo-v...	12.84	3.0 ug/L	103291	3	11.30	869841	25.0
o-Cymene	12.93	15.6 ug/L	542982	3	11.30	869841	25.0
Naphthalene, 1,2,...	13.09	7.8 ug/L	271751	3	11.30	869841	25.0

Instrument :
MSVOA_V
ClientSampleId :
A5162