

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009673.D
 Acq On : 03 Apr 2019 22:38
 Operator : SY/VA
 Sample : K2148-11
 Misc : 4.94G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5F8

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	66	74	87	rBV	145277	354551	0.15%	0.018%
2	2.892	154	162	180	rBV	116426	339382	0.14%	0.017%
3	4.019	333	347	358	rBV	252306	890889	0.37%	0.045%
4	4.117	359	363	376	rVB	36804	101631	0.04%	0.005%
5	4.922	481	495	513	rBV3	31628	135052	0.06%	0.007%
6	7.074	840	848	858	rBV	69516	188832	0.08%	0.009%
7	7.171	858	864	879	rVB3	13004	40647	0.02%	0.002%
8	7.641	930	941	953	rBV	425524	1034592	0.43%	0.052%
9	8.269	1033	1044	1059	rBV2	778566	2340366	0.97%	0.117%
10	8.427	1062	1070	1075	rVV9	15526	42762	0.02%	0.002%
11	8.494	1075	1081	1088	rVV7	16718	49073	0.02%	0.002%
12	8.573	1088	1094	1107	rVB7	12550	36528	0.02%	0.002%
13	8.842	1129	1138	1149	rBV	689625	1384088	0.57%	0.069%
14	9.275	1199	1209	1214	rBV	538196	1181202	0.49%	0.059%
15	9.329	1214	1218	1224	rVB2	178654	316930	0.13%	0.016%
16	9.384	1224	1227	1236	rVB2	86295	161026	0.07%	0.008%
17	9.512	1243	1248	1253	rVB2	20958	37772	0.02%	0.002%
18	9.604	1253	1263	1276	rVB3	106017	293370	0.12%	0.015%
19	9.750	1278	1287	1299	rBV2	171589	406244	0.17%	0.020%
20	9.896	1301	1311	1316	rBV	138093	313442	0.13%	0.016%
21	9.939	1316	1318	1324	rVB	47360	67620	0.03%	0.003%
22	10.031	1327	1333	1337	rBV	286765	493046	0.20%	0.025%
23	10.079	1337	1341	1356	rVB2	141562	352067	0.15%	0.018%
24	10.213	1356	1363	1364	rBV2	75720	116827	0.05%	0.006%
25	10.250	1364	1369	1374	rVB2	130499	252782	0.10%	0.013%
26	10.323	1374	1381	1385	rBV	1890965	3703436	1.53%	0.186%
27	10.445	1395	1401	1404	rBV2	151201	280900	0.12%	0.014%
28	10.494	1404	1409	1418	rVB4	456529	1241463	0.51%	0.062%
29	10.579	1418	1423	1426	rBV	200854	366108	0.15%	0.018%
30	10.622	1426	1430	1432	rBV	186096	270783	0.11%	0.014%
31	10.665	1432	1437	1445	rVB	1027593	2019820	0.83%	0.101%
32	10.762	1445	1453	1457	rBV3	707768	1688679	0.70%	0.085%
33	10.847	1463	1467	1472	rVB	456748	766108	0.32%	0.038%
34	10.933	1472	1481	1489	rBV2	2769770	5490043	2.27%	0.275%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009673.D
 Acq On : 03 Apr 2019 22:38
 Operator : SY/VA
 Sample : K2148-11
 Misc : 4.94G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5F8

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Title : VOC Analysis

35	11.036	1489	1498	1506	rBV	2055875	4631057	1.91%	0.232%
36	11.116	1506	1511	1514	rBV	768604	1403868	0.58%	0.070%
37	11.177	1516	1521	1525	rBV	1883550	2725953	1.13%	0.137%
38	11.232	1525	1530	1536	rBV	4490183	7940057	3.28%	0.398%
39	11.286	1536	1539	1543	rVB	720700	881643	0.36%	0.044%
40	11.341	1543	1548	1552	rBV2	2168807	3648449	1.51%	0.183%
41	11.384	1552	1555	1559	rVB	1051562	1548227	0.64%	0.078%
42	11.439	1559	1564	1572	rVB	3928465	7540343	3.12%	0.378%
43	11.512	1572	1576	1577	rBV2	164324	209974	0.09%	0.011%
44	11.555	1578	1583	1587	rBV4	549484	1076895	0.45%	0.054%
45	11.628	1588	1595	1599	rBV2	1100793	2272052	0.94%	0.114%
46	11.670	1599	1602	1604	rBV2	224423	266084	0.11%	0.013%
47	11.719	1605	1610	1613	rVB2	401935	816617	0.34%	0.041%
48	11.768	1613	1618	1621	rBV	2243588	3694253	1.53%	0.185%
49	11.823	1621	1627	1631	rBV4	2529420	4966621	2.05%	0.249%
50	11.878	1631	1636	1640	rBV	11208942	20666626	8.54%	1.035%
51	11.920	1640	1643	1648	rVB2	7918411	12272343	5.07%	0.615%
52	11.981	1648	1653	1655	rBV2	1826701	3346566	1.38%	0.168%
53	12.006	1655	1657	1660	rBV	437791	508466	0.21%	0.025%
54	12.073	1660	1668	1672	rVB3	3289558	6301876	2.60%	0.316%
55	12.140	1672	1679	1685	rBV2	16996562	40328408	16.67%	2.020%
56	12.195	1685	1688	1691	rBV2	2862655	3393690	1.40%	0.170%
57	12.256	1691	1698	1703	rVB	23330483	41888395	17.31%	2.098%
58	12.341	1703	1712	1715	rBV3	19141797	49930431	20.64%	2.501%
59	12.506	1735	1739	1746	rVB3	12727405	26414805	10.92%	1.323%
60	12.567	1746	1749	1753	rVB	3265094	4423805	1.83%	0.222%
61	12.622	1753	1758	1763	rVB3	7902671	15191717	6.28%	0.761%
62	12.707	1763	1772	1776	rBV4	13876840	37447377	15.48%	1.876%
63	12.750	1777	1779	1781	rVV2	5815507	7790742	3.22%	0.390%
64	12.786	1781	1785	1791	rVB2	26535033	50474356	20.86%	2.528%
65	12.865	1791	1798	1803	rBV4	15937013	41016855	16.95%	2.055%
66	12.951	1804	1812	1816	rVV3	35371231	91549369	37.84%	4.586%
67	12.999	1816	1820	1825	rVB4	21685688	37333506	15.43%	1.870%
68	13.085	1830	1834	1838	rBV2	18758685	27676359	11.44%	1.386%
69	13.134	1838	1842	1845	rBV3	10207508	19263733	7.96%	0.965%
70	13.176	1846	1849	1856	rVB6	9137179	18528434	7.66%	0.928%
71	13.304	1866	1870	1874	rBV	17809820	26077924	10.78%	1.306%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009673.D
 Acq On : 03 Apr 2019 22:38
 Operator : SY/VA
 Sample : K2148-11
 Misc : 4.94G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5F8

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Title : VOC Analysis

72	13.353	1874	1878	1881	rBV4	15371036	23882006	9.87%	1.196%
73	13.457	1887	1895	1899	rBV3	48223891	96956848	40.07%	4.857%
74	13.493	1899	1901	1906	rVB5	17035642	21869139	9.04%	1.095%
75	13.597	1915	1918	1922	rVB4	7286162	9279665	3.84%	0.465%
76	13.707	1931	1936	1941	rBV6	12738700	25834841	10.68%	1.294%
77	13.890	1960	1966	1970	rBV	67775642	124942799	51.64%	6.259%
78	13.932	1970	1973	1977	rVB2	25785525	36824369	15.22%	1.845%
79	13.987	1978	1982	1987	rVV2	30477135	49256644	20.36%	2.467%
80	14.207	2014	2018	2023	rBV5	22579650	35905798	14.84%	1.799%
81	14.274	2024	2029	2035	rVV3	36636791	65084172	26.90%	3.260%
82	14.329	2035	2038	2043	rVV5	18257825	29687753	12.27%	1.487%
83	14.396	2043	2049	2064	rVV5	95784109	241953067	100.00%	12.120%
84	14.505	2064	2067	2069	rVV2	12385805	18806106	7.77%	0.942%
85	14.560	2070	2076	2081	rVV5	56562649	123145446	50.90%	6.169%
86	14.609	2081	2084	2091	rVB4	22340371	40271801	16.64%	2.017%
87	14.749	2104	2107	2112	rBV4	13313694	22556377	9.32%	1.130%
88	14.810	2113	2117	2121	rVV2	38891139	69671980	28.80%	3.490%
89	14.865	2122	2126	2132	rVB5	41133924	77182346	31.90%	3.866%
90	14.944	2135	2139	2142	rBV2	10392576	16189737	6.69%	0.811%
91	14.987	2143	2146	2148	rVV2	12537632	16220059	6.70%	0.812%
92	15.017	2148	2151	2155	rVB3	18798288	24420431	10.09%	1.223%
93	15.273	2190	2193	2199	rVB4	24870794	43812454	18.11%	2.195%
94	15.334	2199	2203	2209	rVB3	19790752	34619570	14.31%	1.734%
95	15.414	2210	2216	2221	rBV4	17385516	41538227	17.17%	2.081%
96	15.511	2229	2232	2240	rVB7	15131806	35506634	14.68%	1.779%
97	15.639	2249	2253	2256	rBV	3313766	5736912	2.37%	0.287%
98	15.871	2288	2291	2296	rBV3	2167598	3297831	1.36%	0.165%
99	16.481	2386	2391	2406	rVB4	1672842	4934913	2.04%	0.247%
100	16.645	2412	2418	2432	rVB5	1502016	4750811	1.96%	0.238%

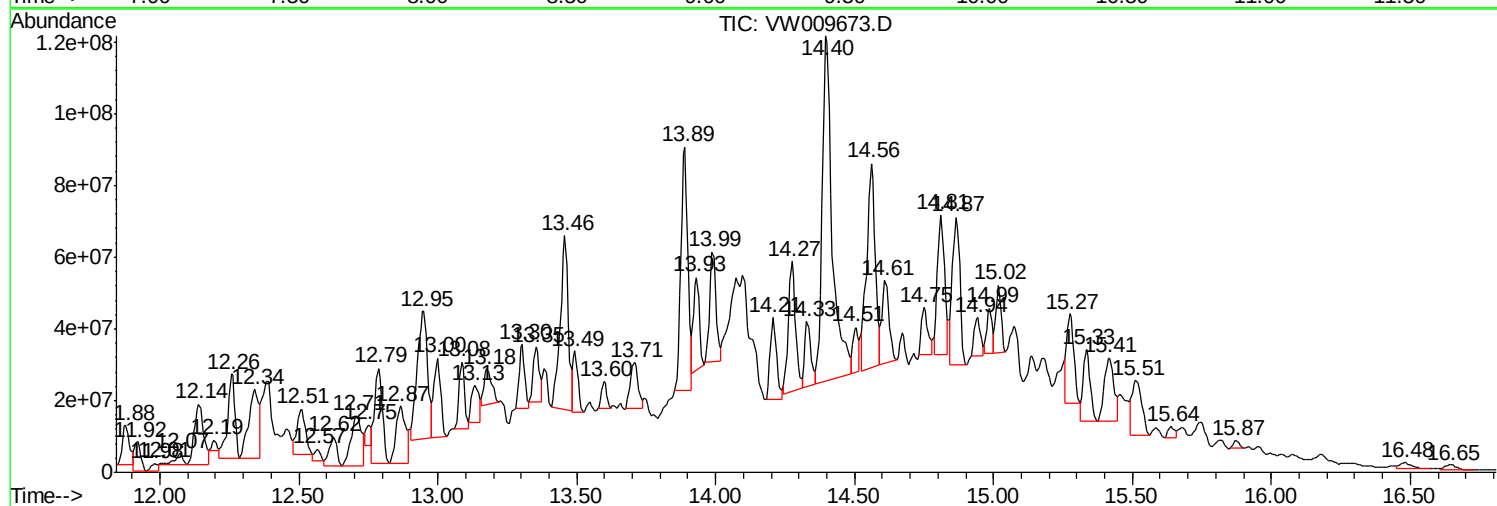
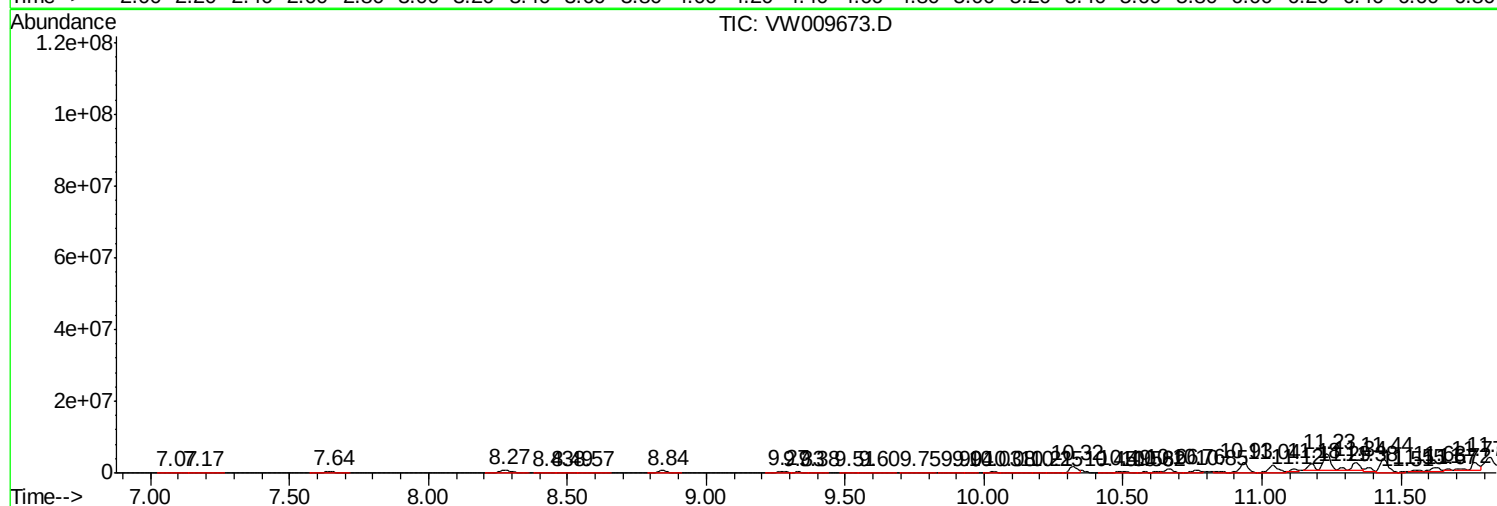
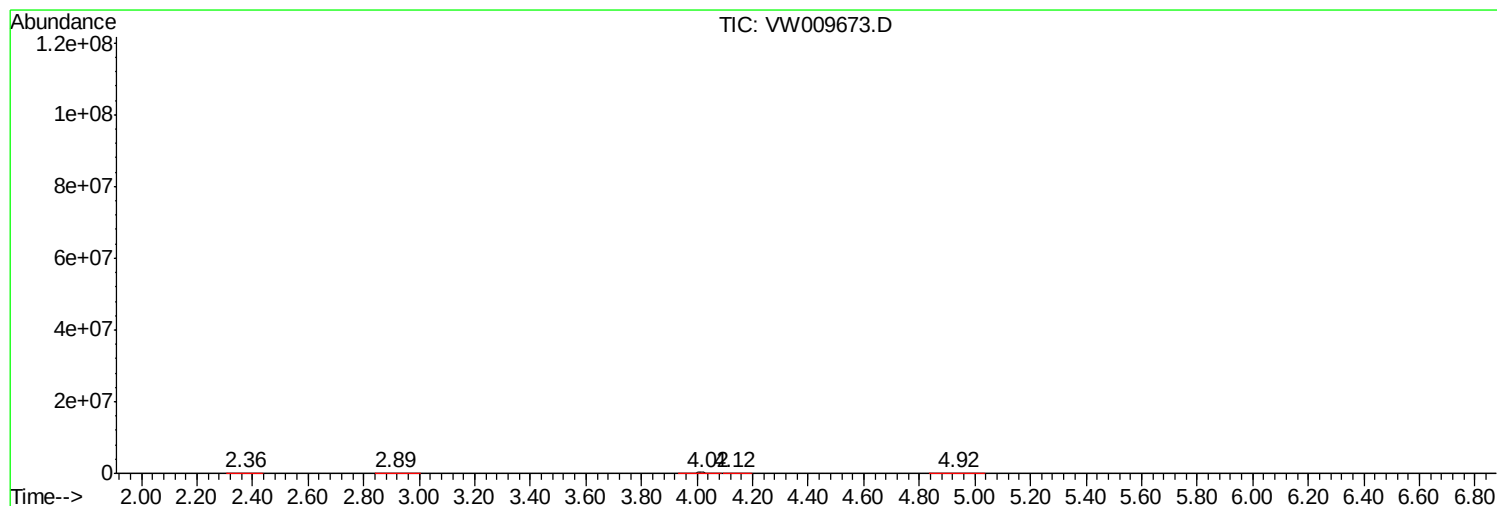
Sum of corrected areas: 1996344673

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

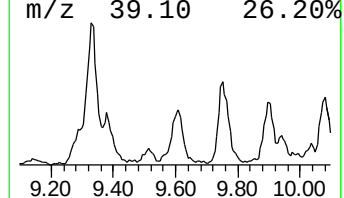
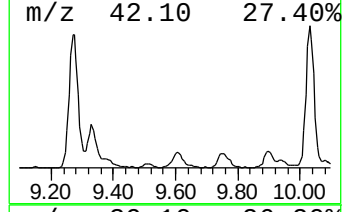
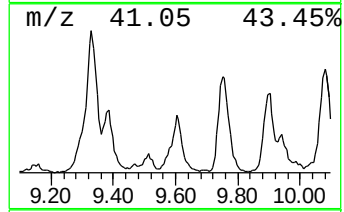
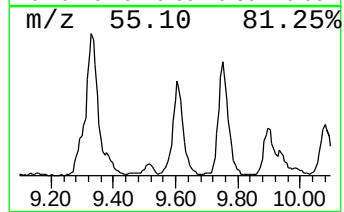
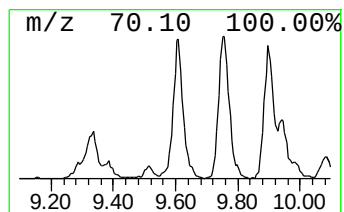
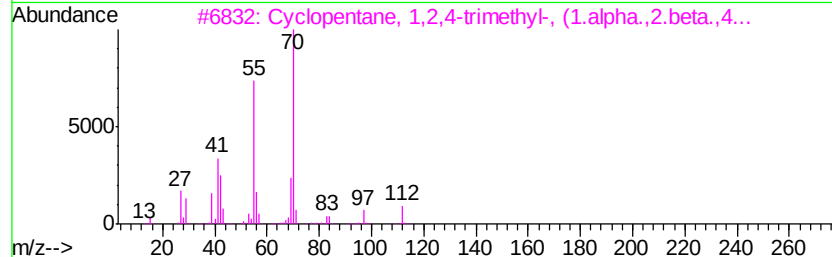
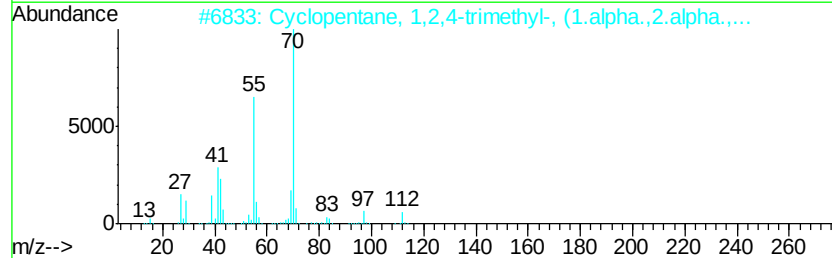
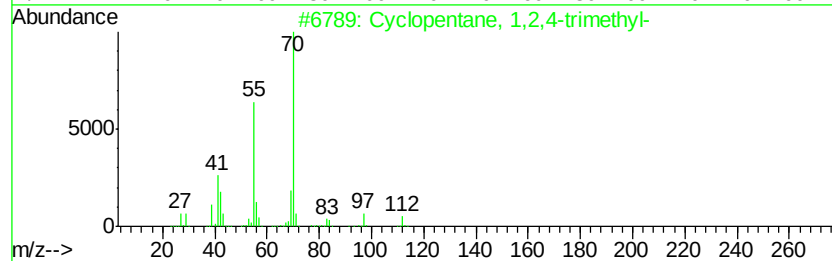
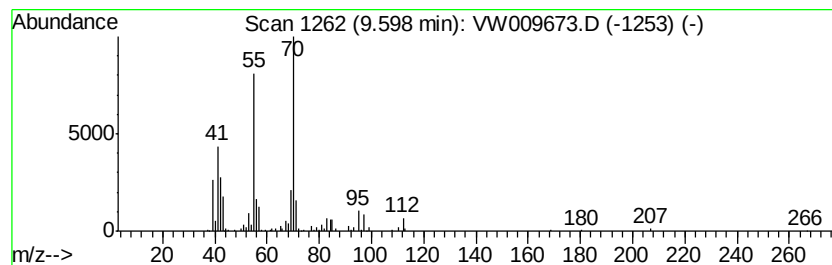
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Cyclic9.60 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	5.30 ug/L	293370	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
4		Heptane, 3-methylene-	112	C8H16	001632-16-2	87
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

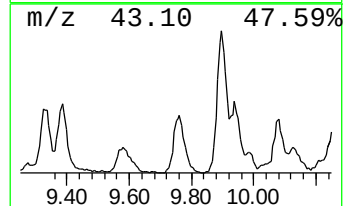
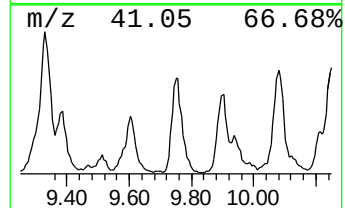
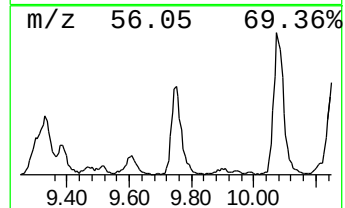
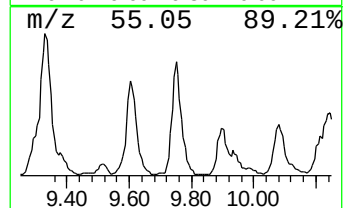
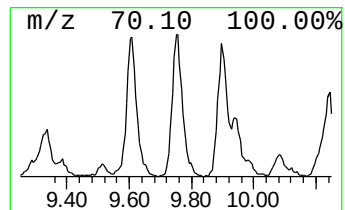
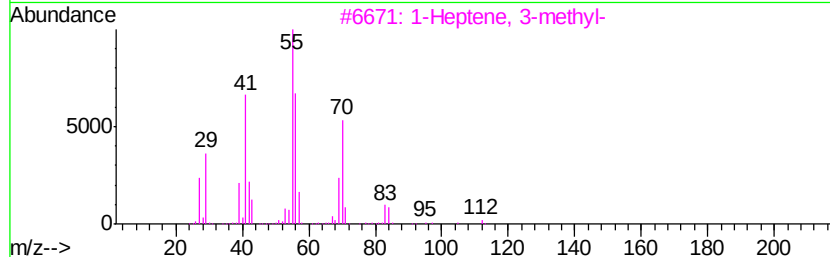
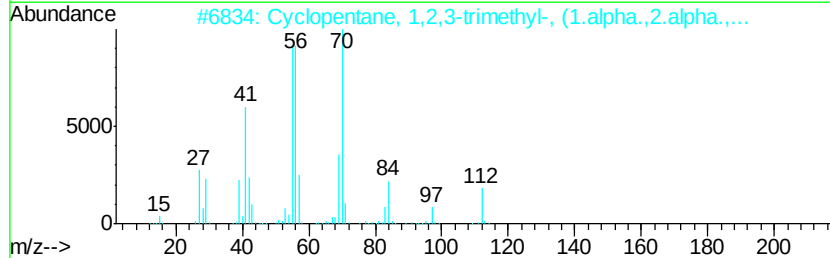
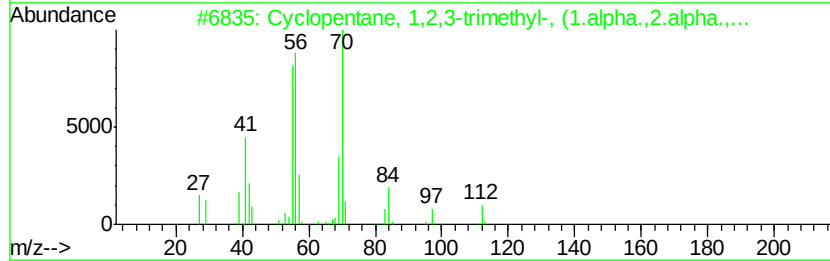
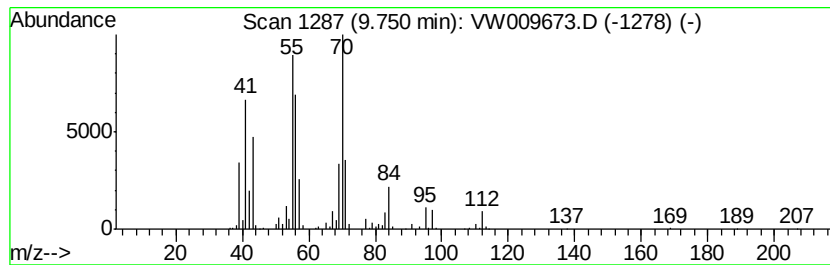
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic9.75 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	7.34 ug/L	406244	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	81
3		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	80
4		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59
5		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

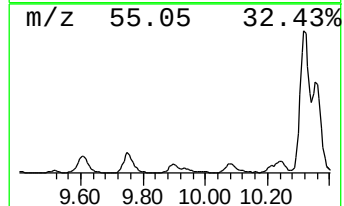
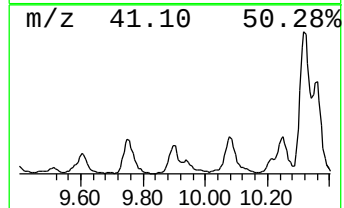
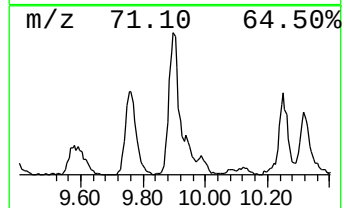
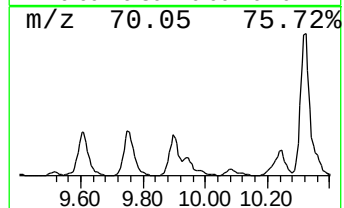
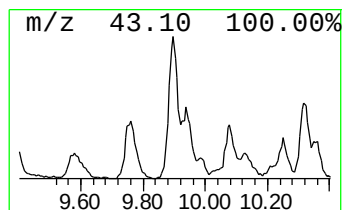
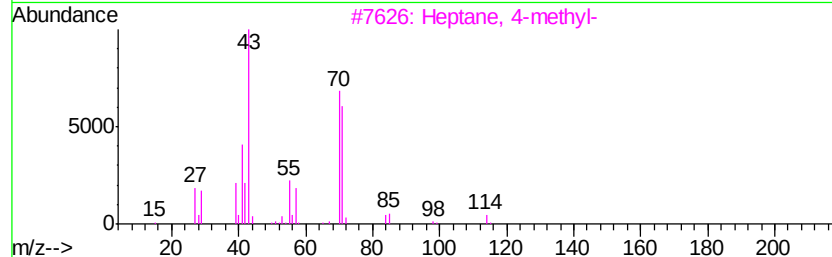
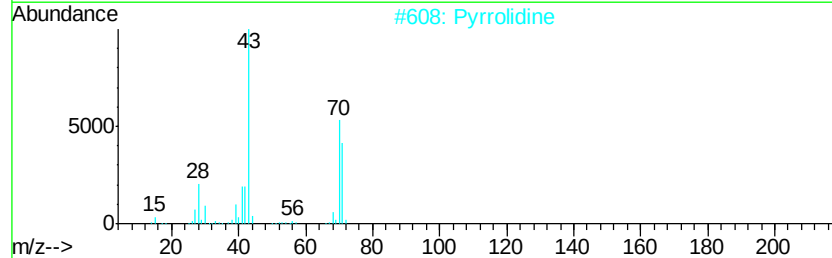
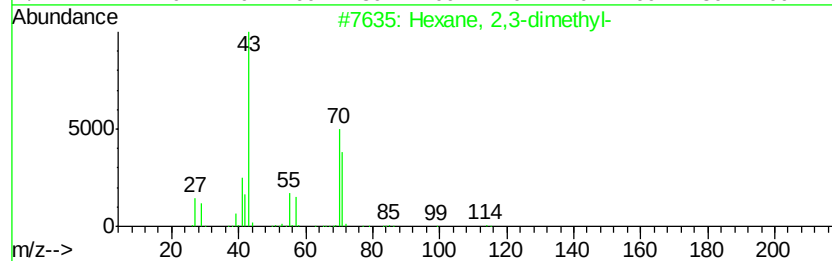
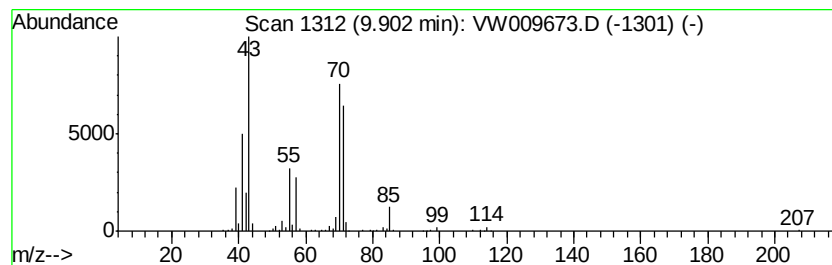
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	5.66 ug/L	313442	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
2		Pyrrolidine	71	C4H9N	000123-75-1	72
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	64
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

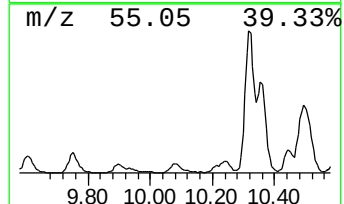
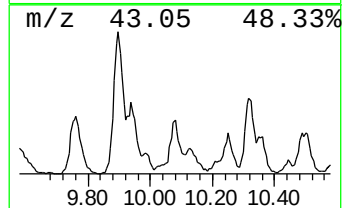
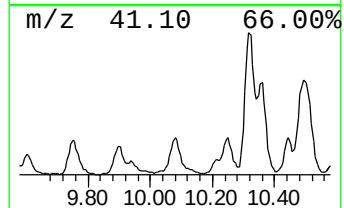
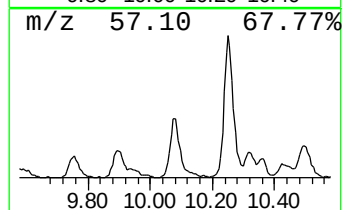
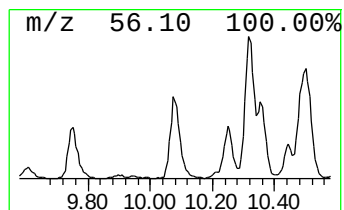
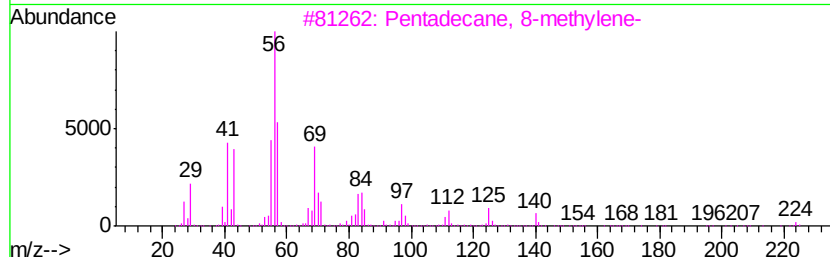
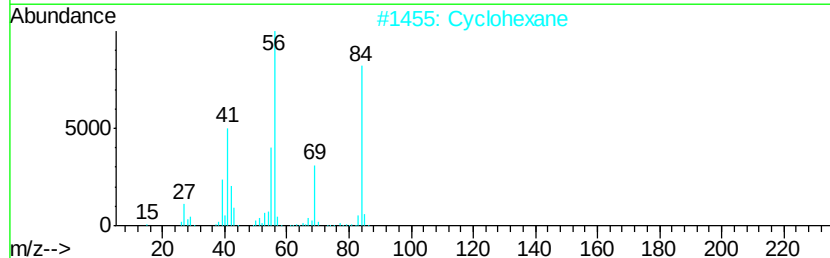
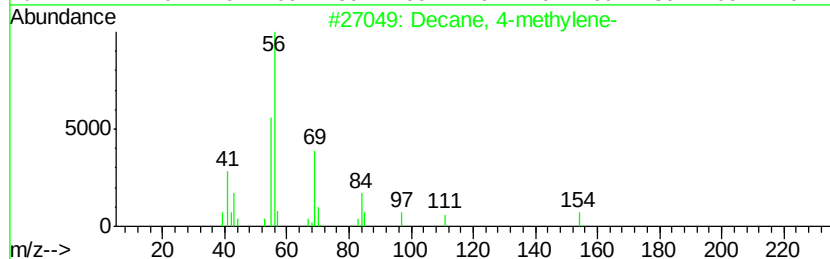
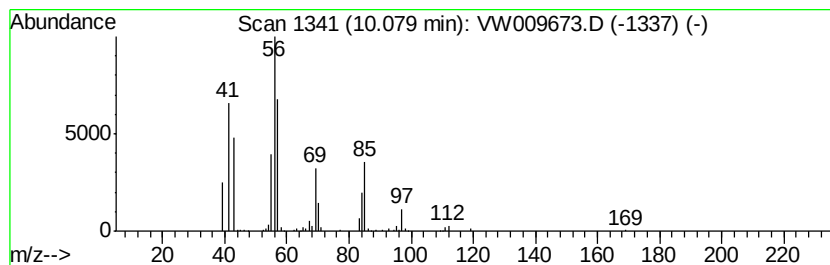
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic10.08 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	6.36 ug/L	352067	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methylene-	154	C11H22	024949-41-5	64
2		Cyclohexane	84	C6H12	000110-82-7	58
3		Pentadecane, 8-methylene-	224	C16H32	055668-09-2	56
4		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	53
5		1,4-Cyclohexanedione	112	C6H8O2	000637-88-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

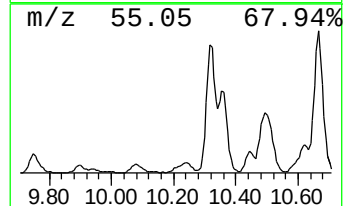
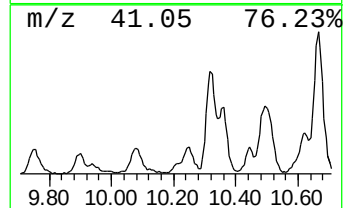
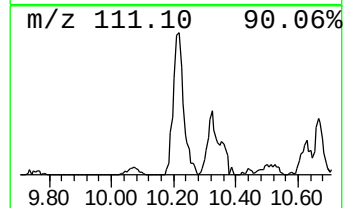
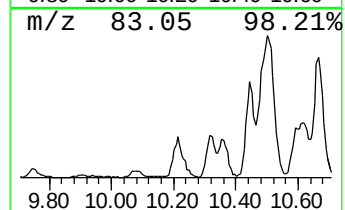
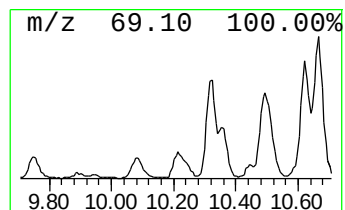
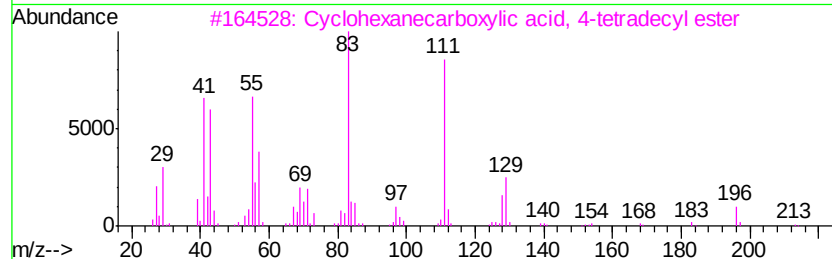
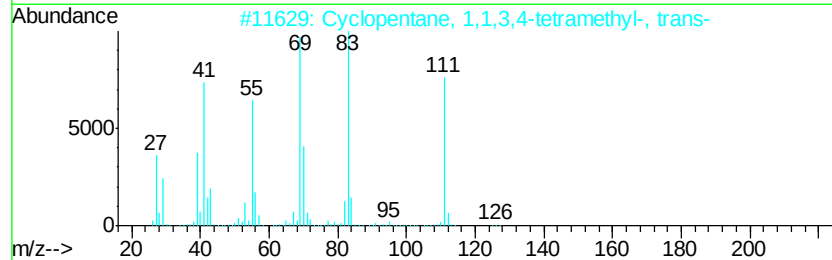
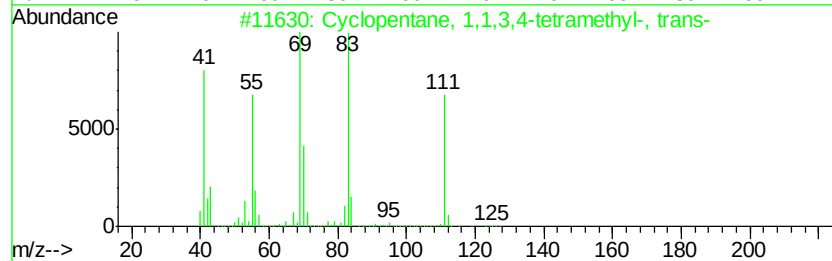
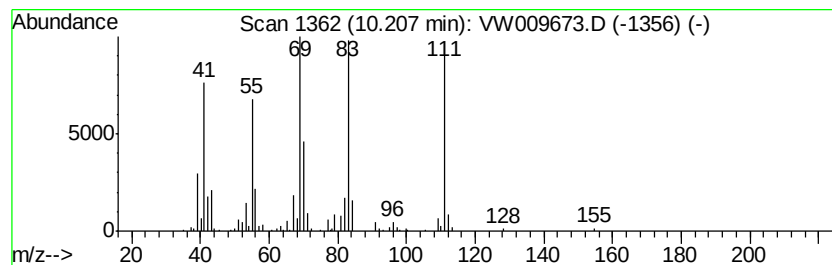
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic10.21 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	2.11 ug/L	116827	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	90
2		Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	90
3		Cyclohexanecarboxylic acid, 4-te...	324	C21H40O2	1000280-59-8	47
4		Cyclohexanecarboxylic acid, 3-pe...	338	C22H42O2	1000280-60-0	47
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

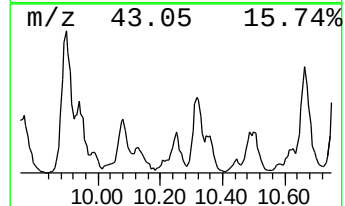
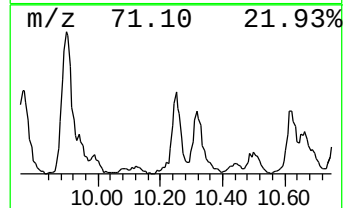
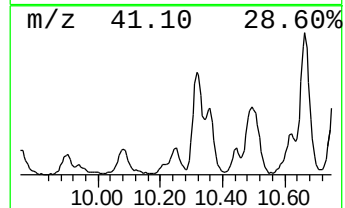
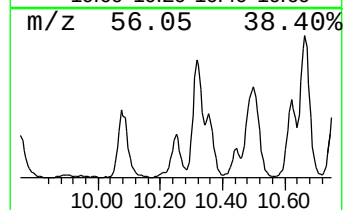
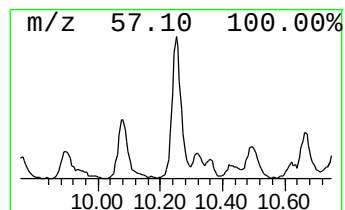
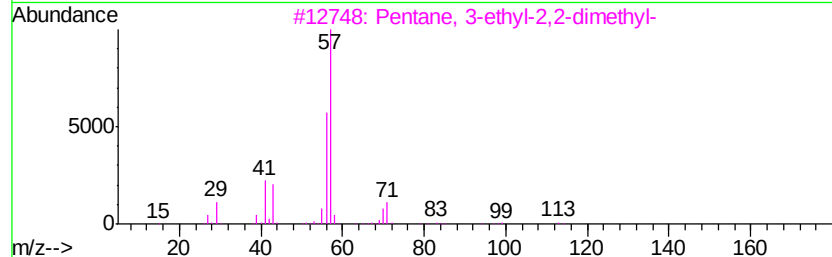
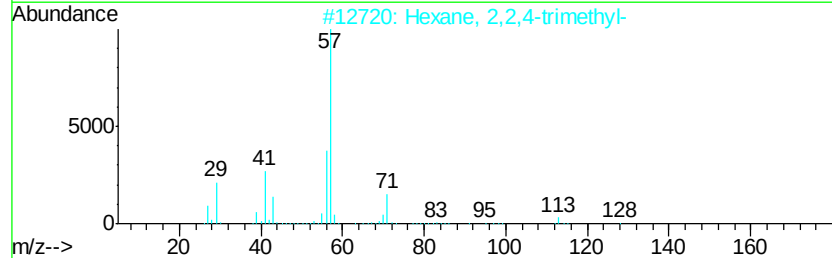
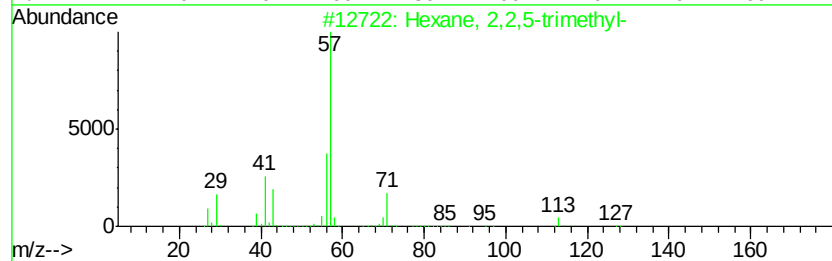
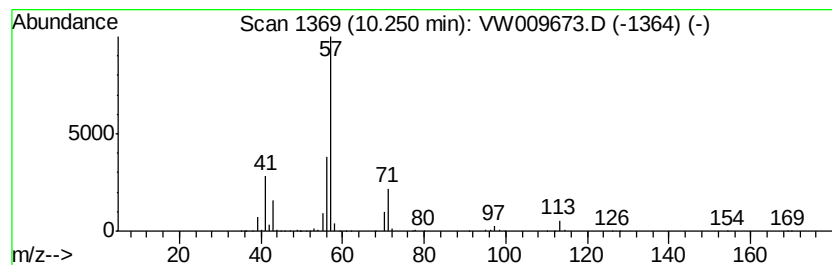
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	2.78 ug/L	252782	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
3		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
4		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
5		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

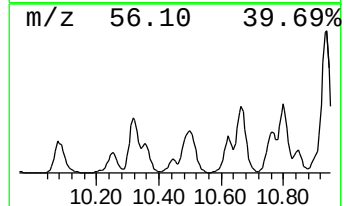
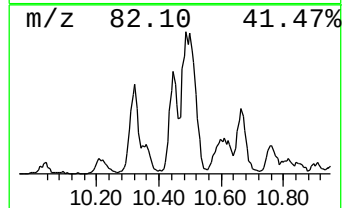
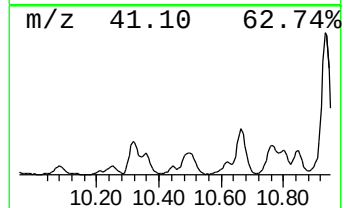
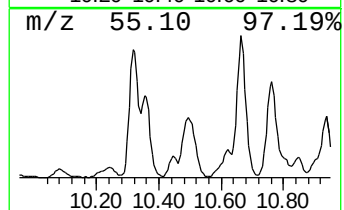
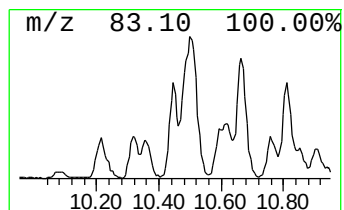
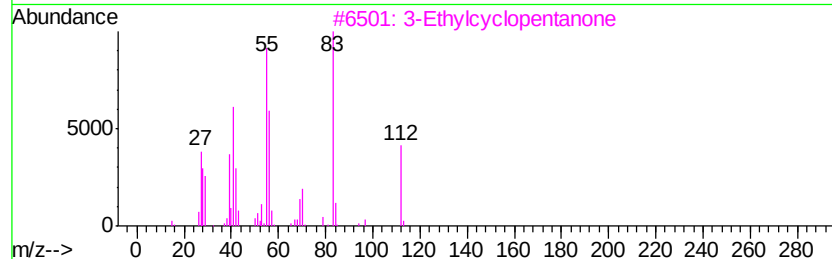
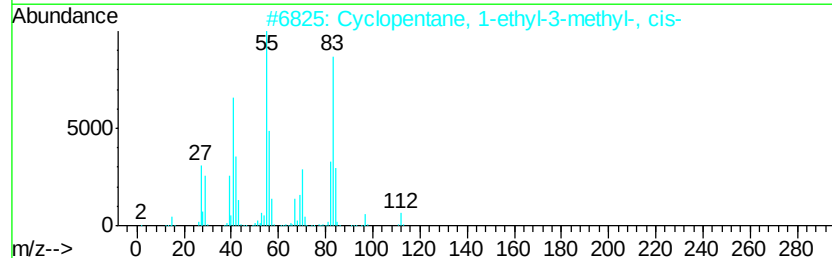
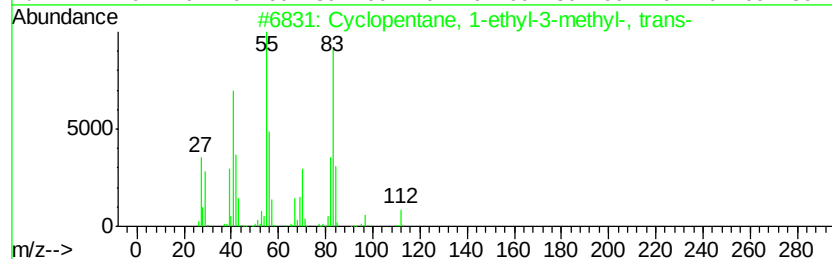
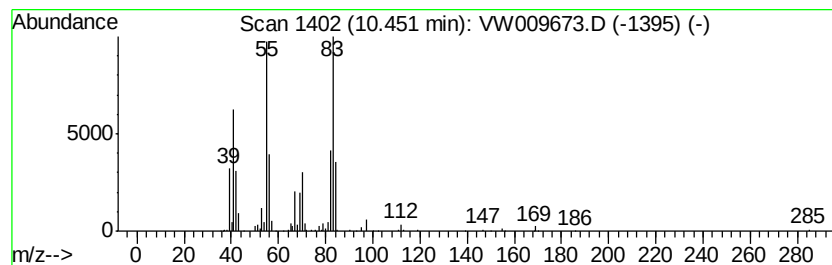
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic10.45 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	3.09 ug/L	280900	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	94
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	90
3			3-Ethylcyclopentanone	112	C7H12O	010264-55-8	47
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

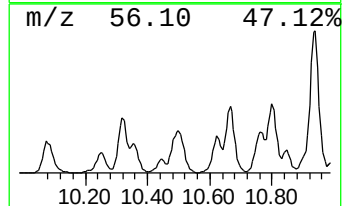
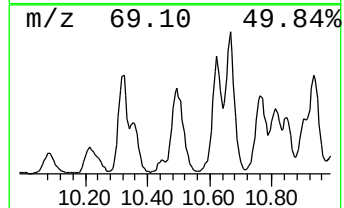
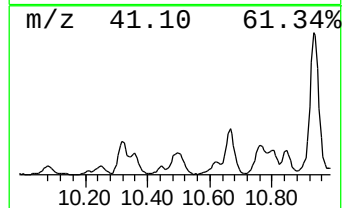
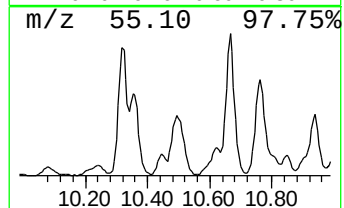
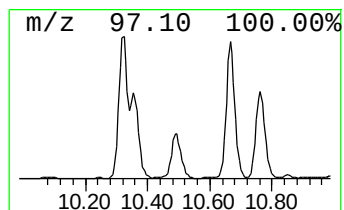
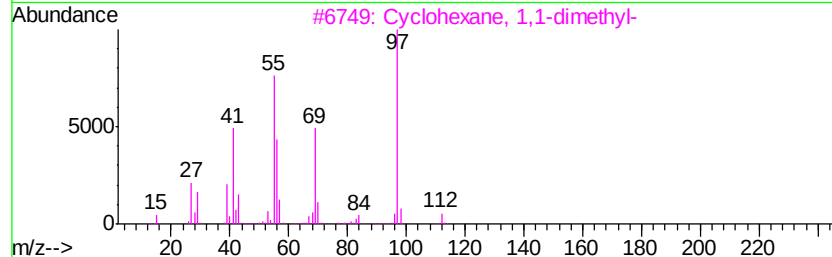
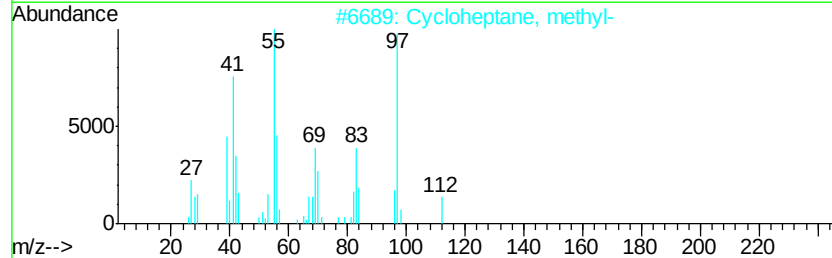
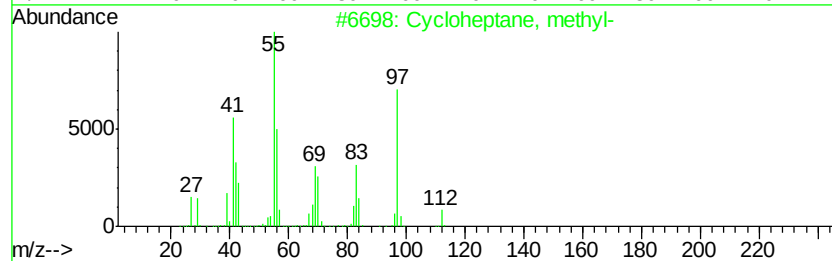
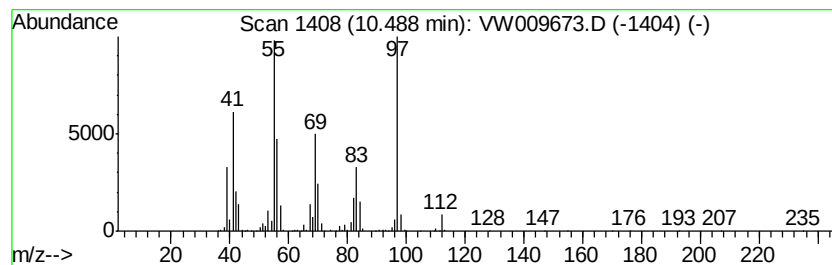
Instrument :
MSVOA_W
ClientSampled :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic10.49 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.49	13.66 ug/L	1241460	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cycloheptane, methyl-	112	C8H16	004126-78-7	93
2		Cycloheptane, methyl-	112	C8H16	004126-78-7	91
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
5		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

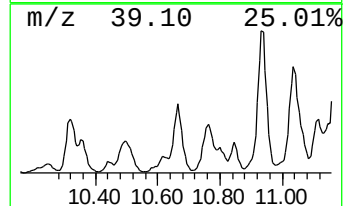
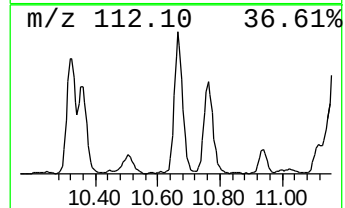
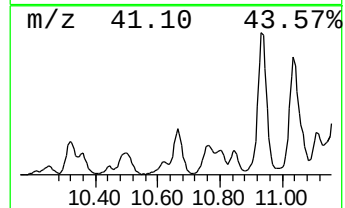
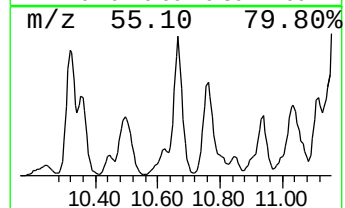
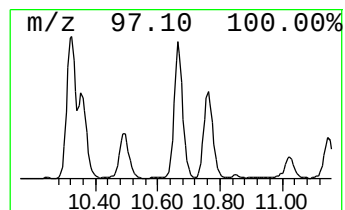
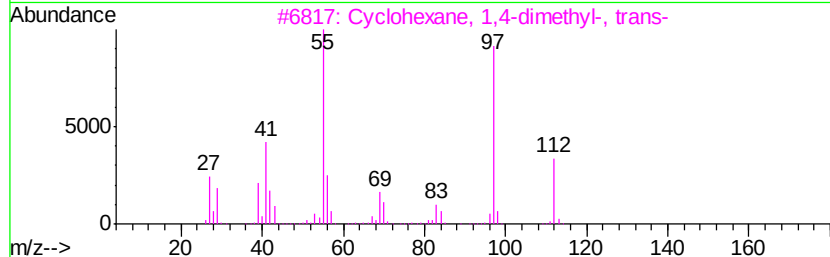
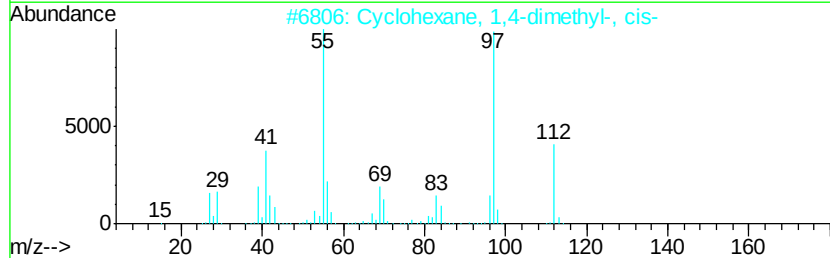
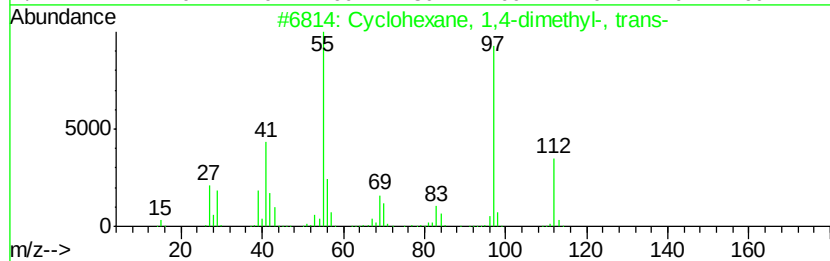
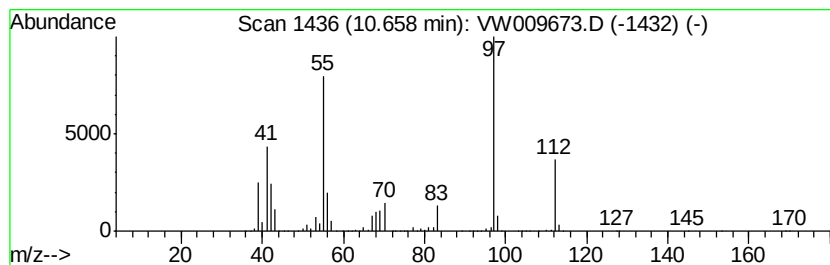
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic10.66 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.66	22.22 ug/L	2019820	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
2		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

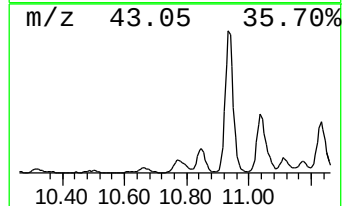
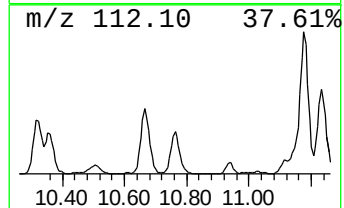
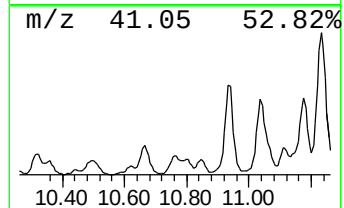
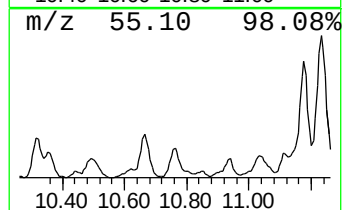
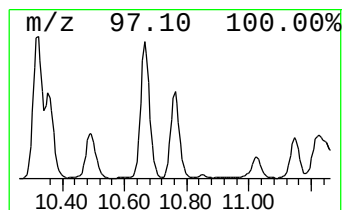
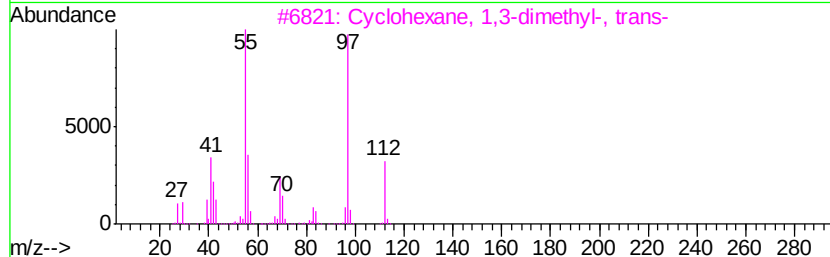
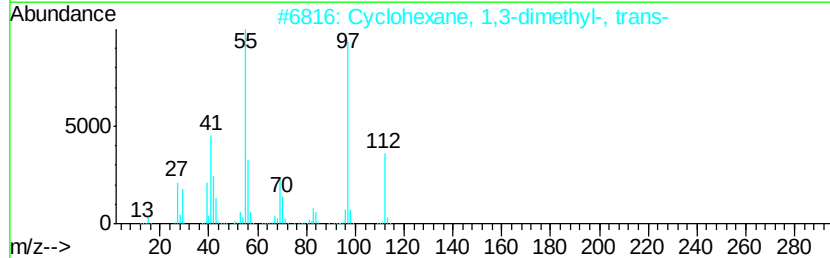
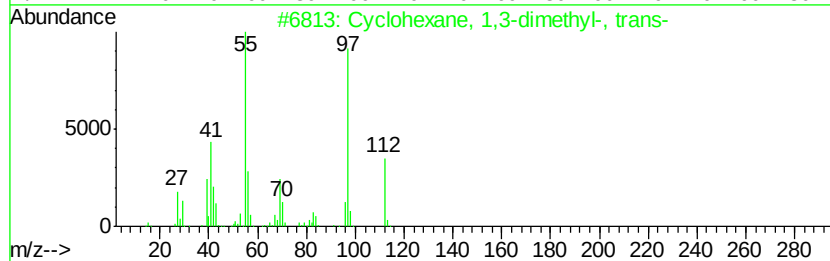
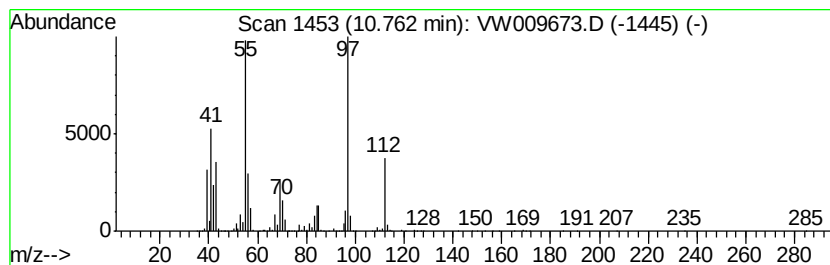
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic10.76 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	18.58 ug/L	1688680	Chlorobenzene-d5	11.63

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

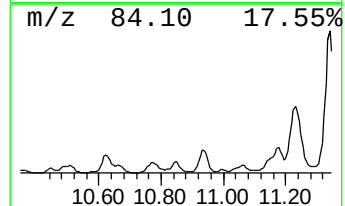
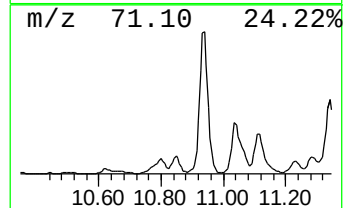
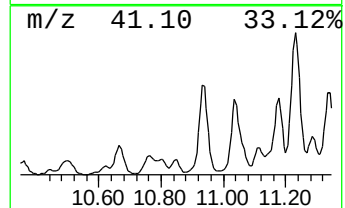
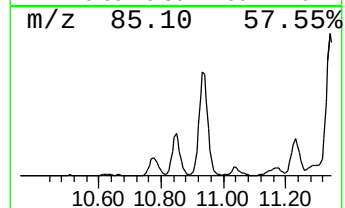
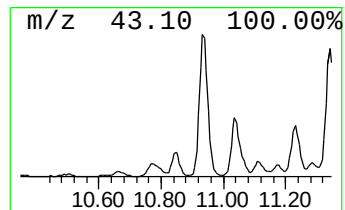
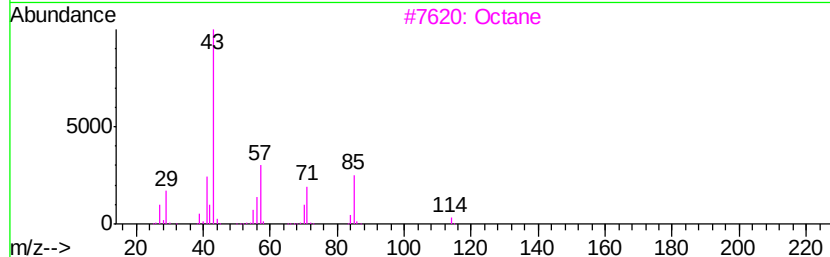
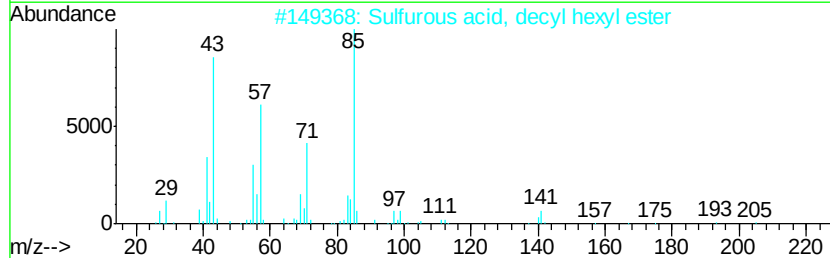
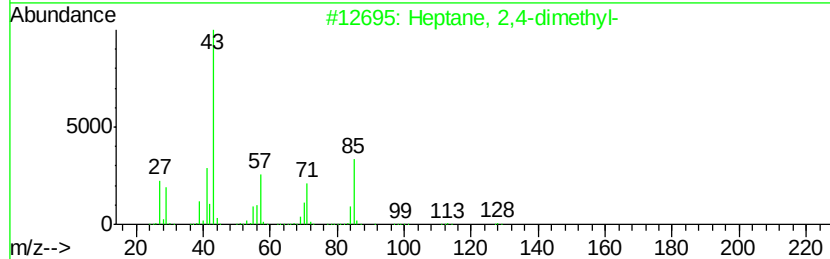
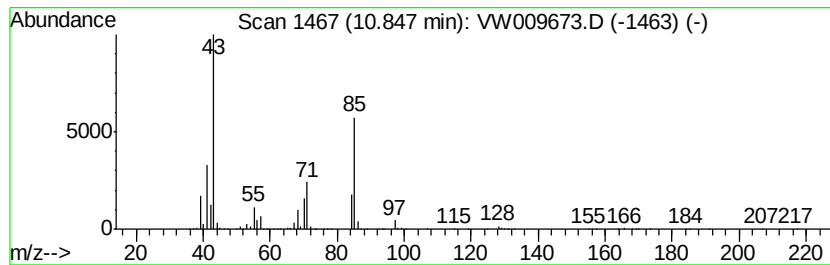
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	8.43 ug/L	766108	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2			Sulfurous acid, decyl hexyl ester	306	C16H34O3S	1000309-13-2	64
3			Octane	114	C8H18	000111-65-9	56
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	56
5			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BF5F8

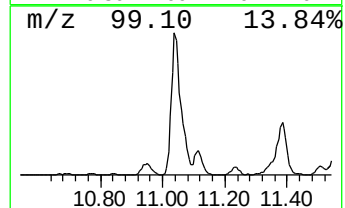
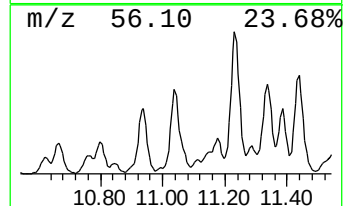
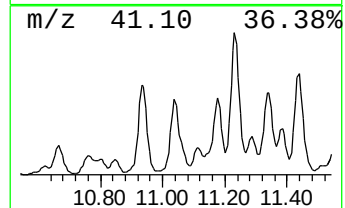
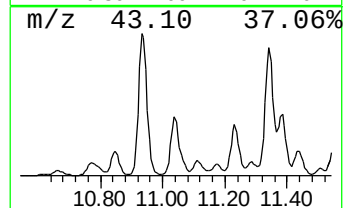
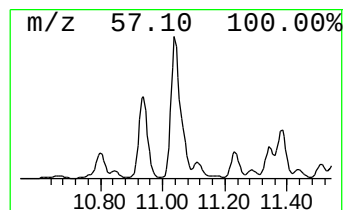
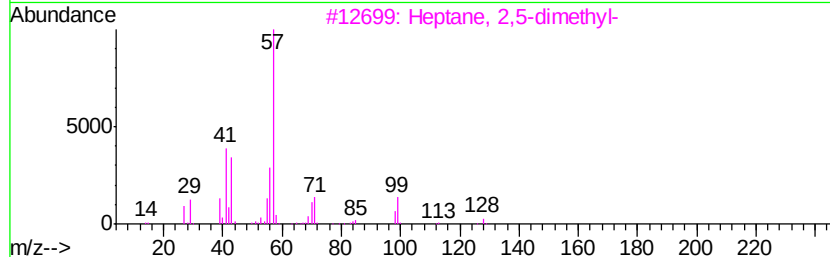
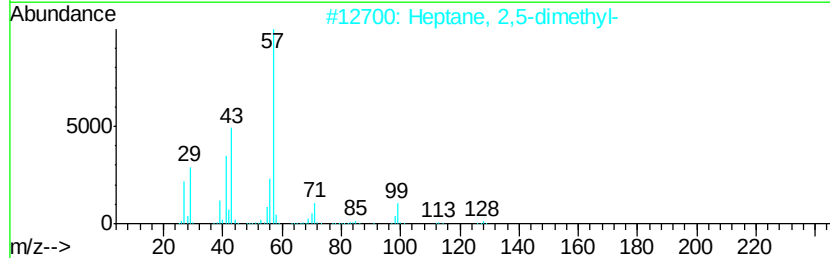
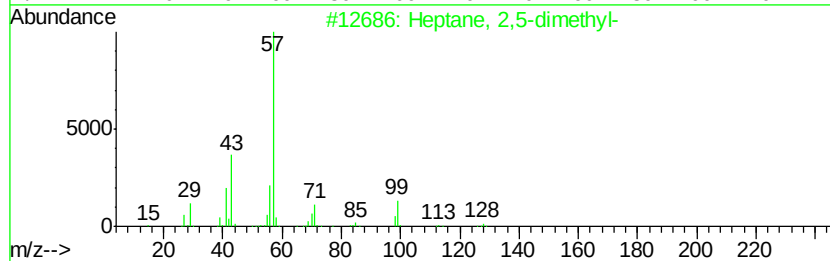
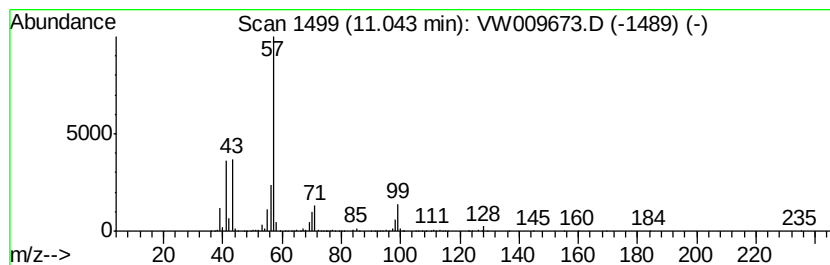
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	50.96 ug/L	4631060	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
5		Octane, 3-methyl-	128	C9H20	002216-33-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

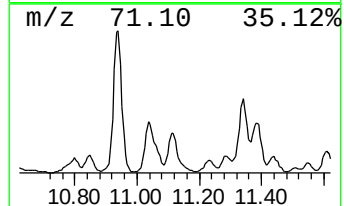
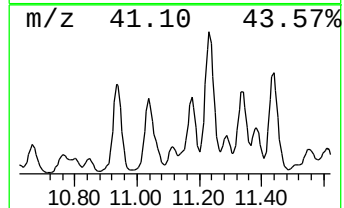
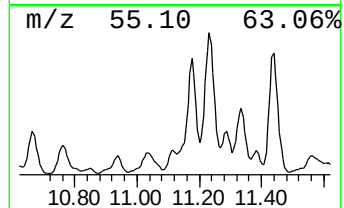
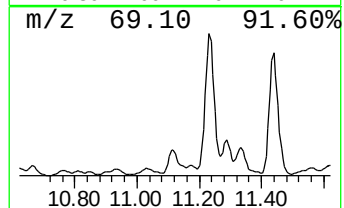
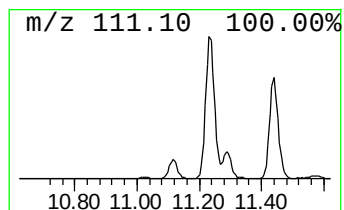
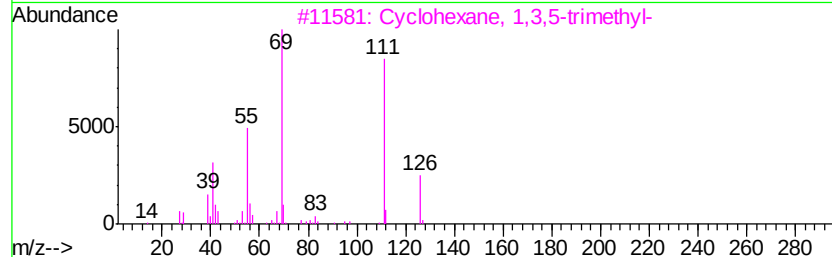
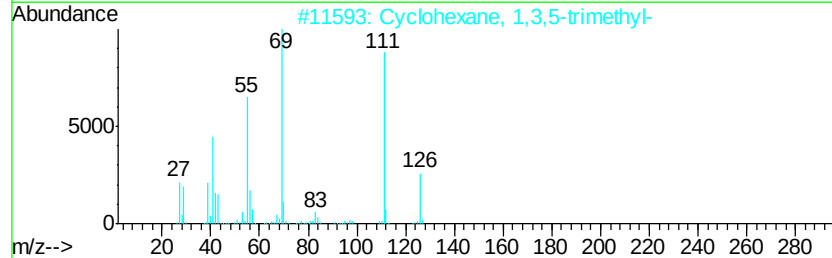
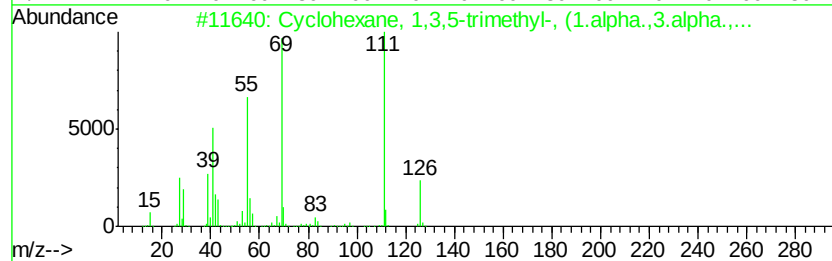
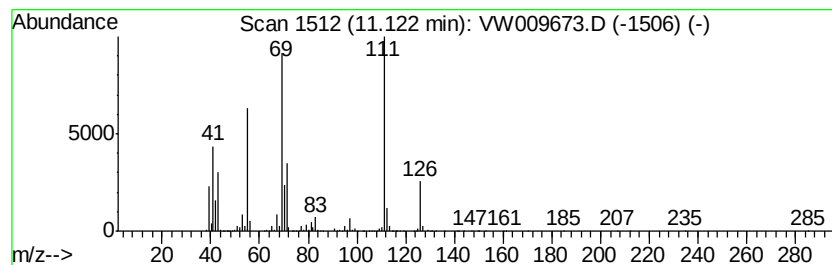
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic11.12 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	15.45 ug/L	1403870	Chlorobenzene-d5	11.63

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

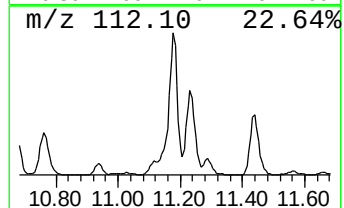
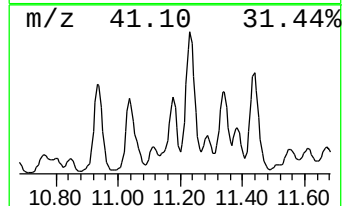
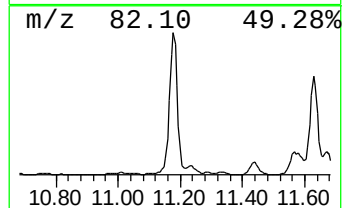
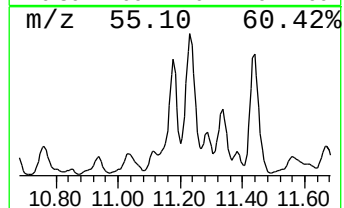
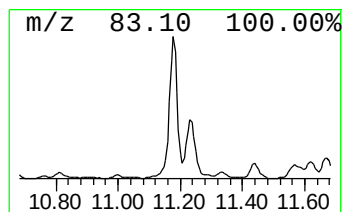
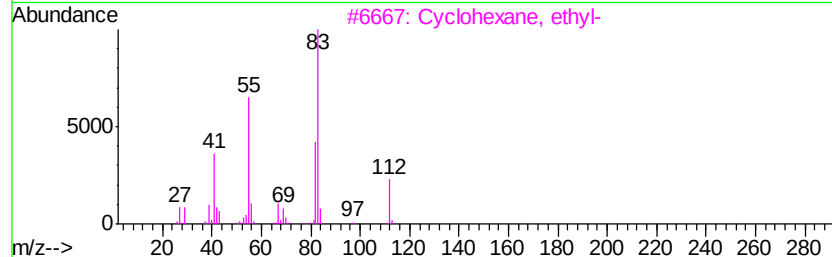
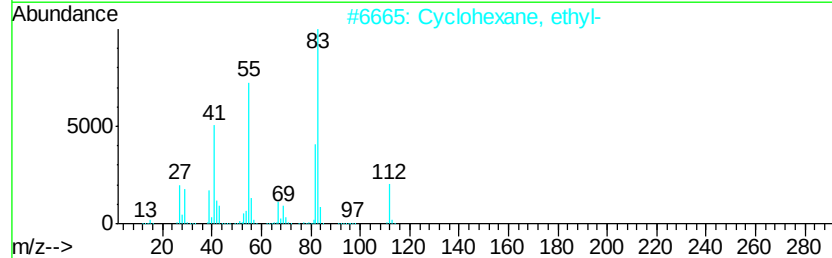
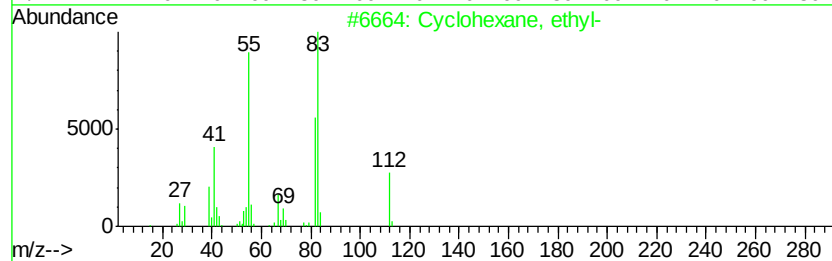
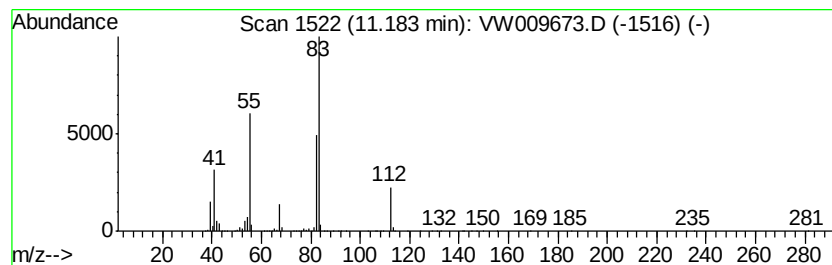
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic11.18 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	29.99 ug/L	2725950	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

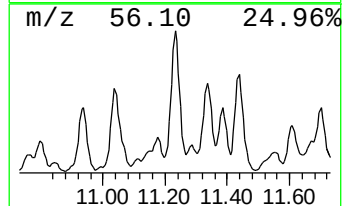
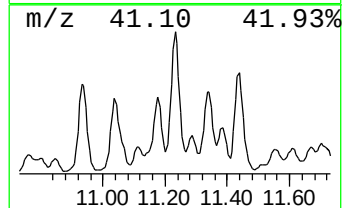
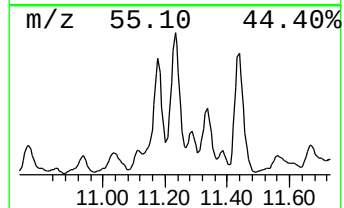
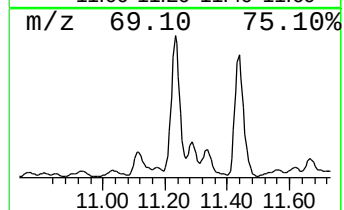
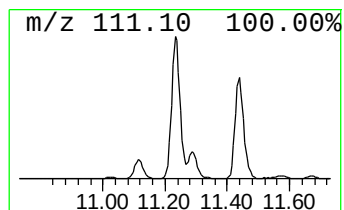
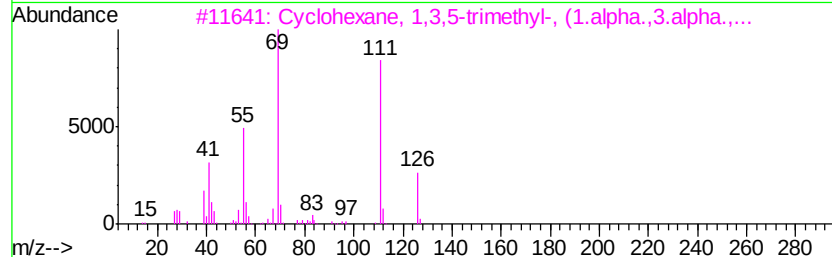
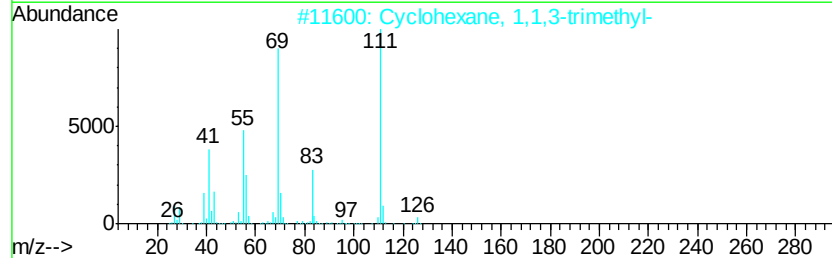
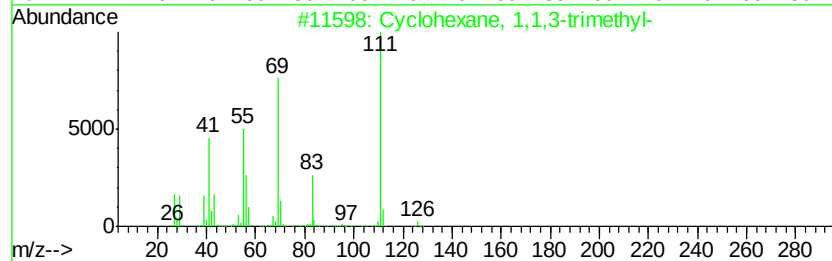
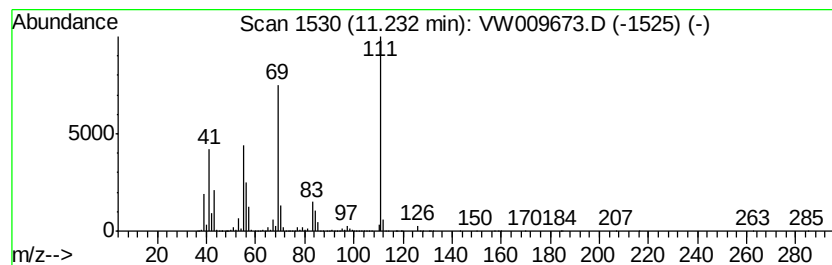
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic11.23 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	87.37 ug/L	7940060	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	64
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

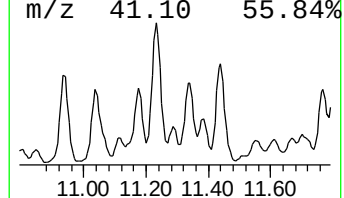
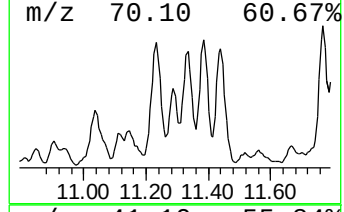
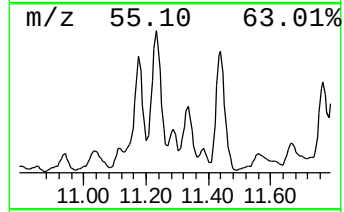
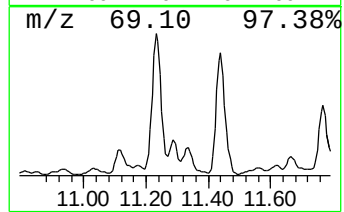
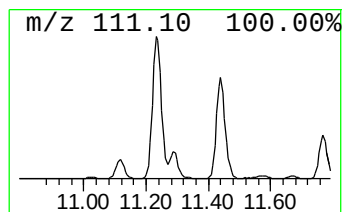
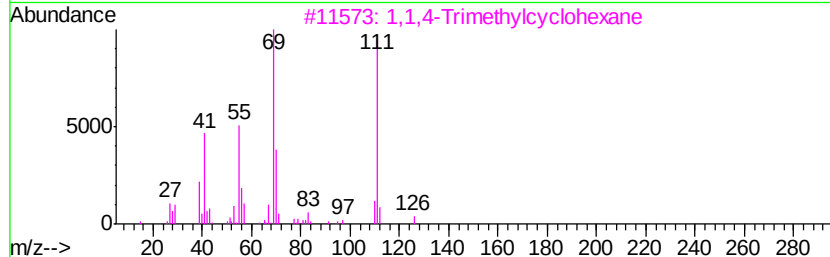
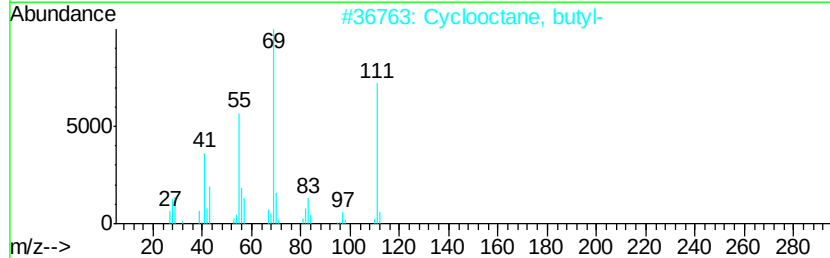
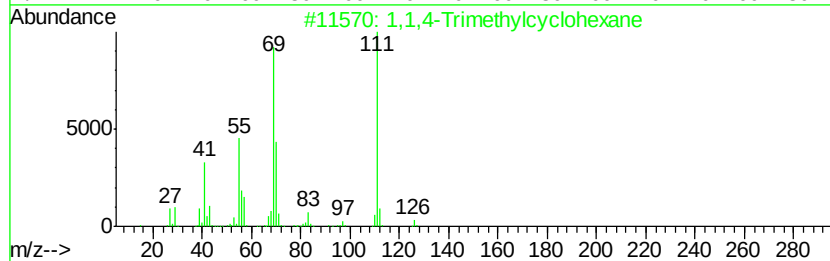
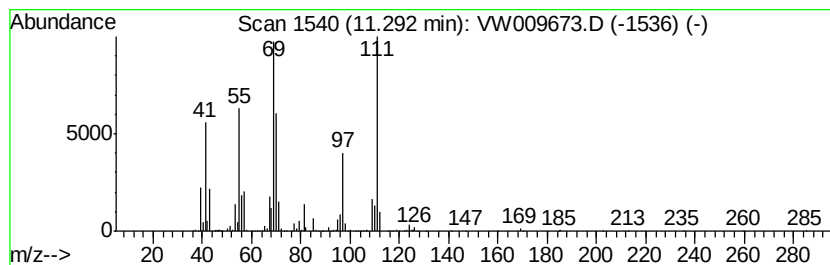
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic11.29 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	9.70 ug/L	881643	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	68
2			Cyclooctane, butyl-	168	C12H24	016538-93-5	53
3			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52
5			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

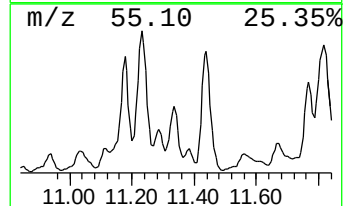
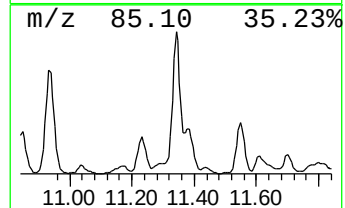
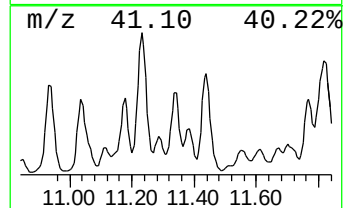
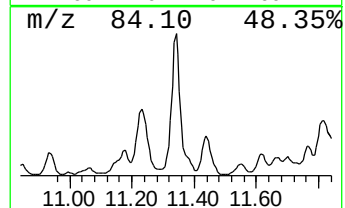
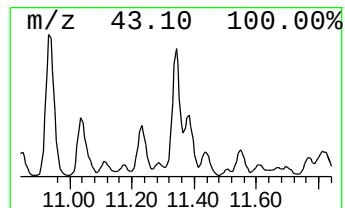
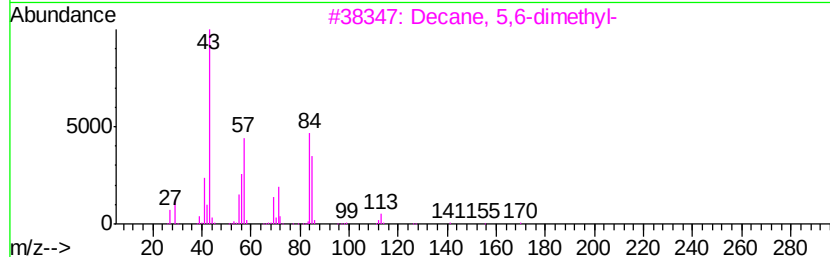
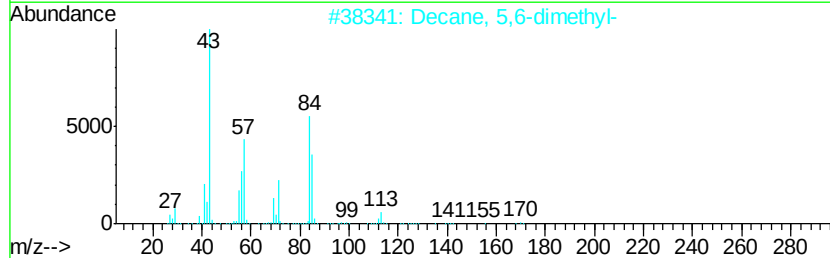
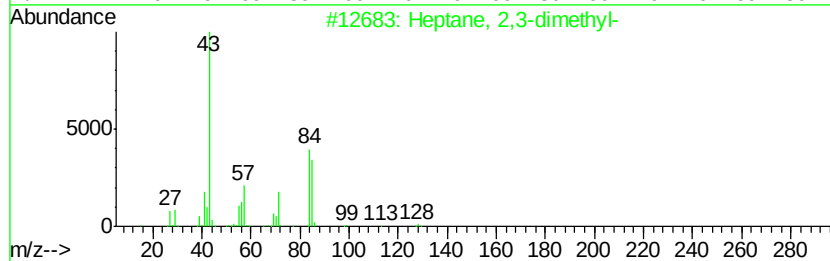
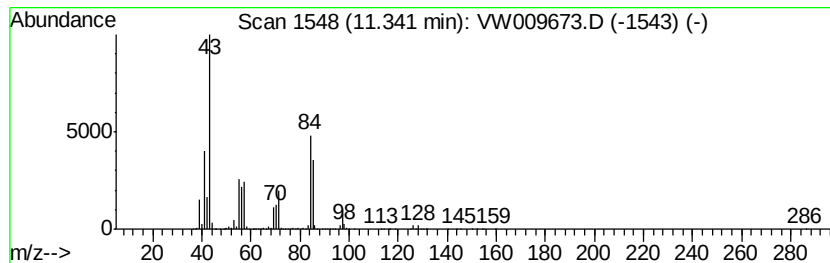
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	40.14 ug/L	3648450	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	80
2		Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	78
3		Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

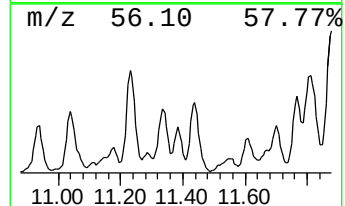
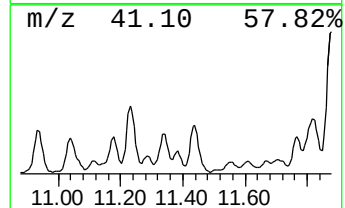
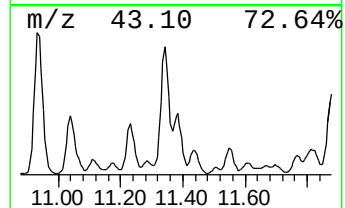
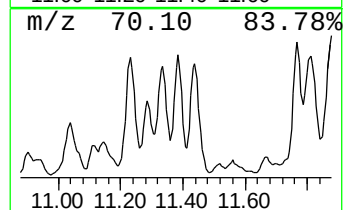
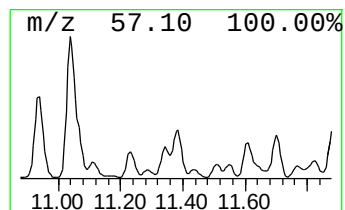
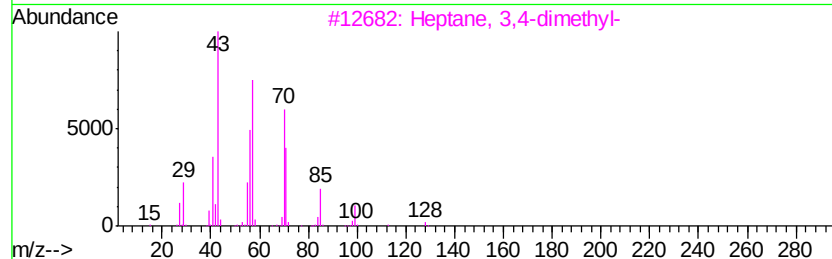
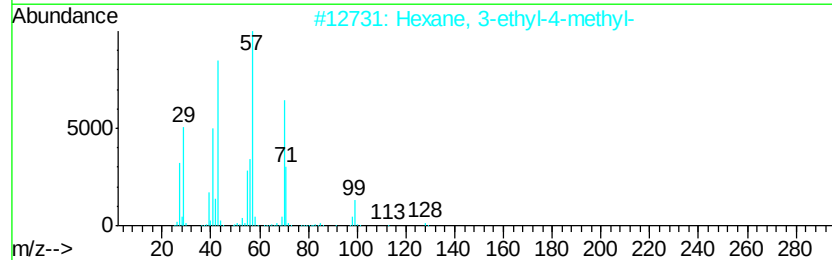
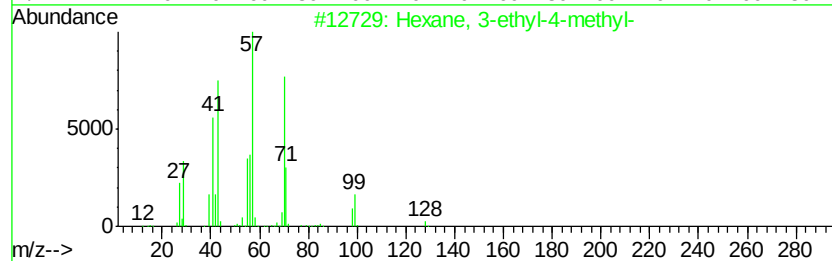
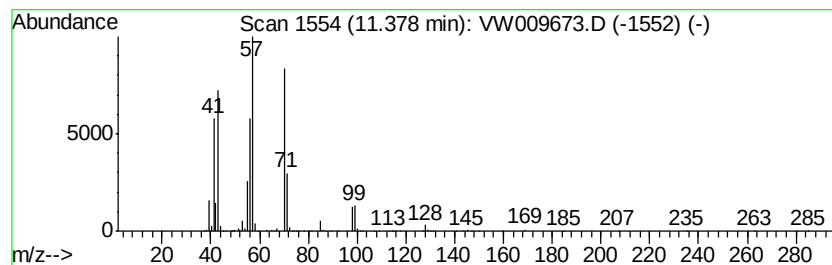
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	17.04 ug/L	1548230	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	90
2		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	72
3		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
5		Isopentyl hexanoate	186	C11H22O2	002198-61-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

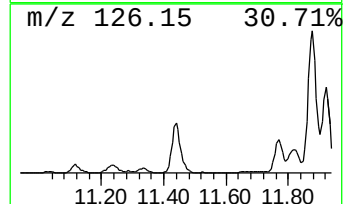
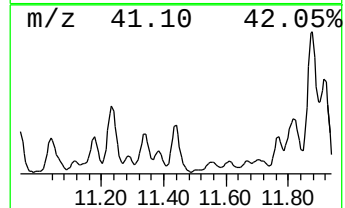
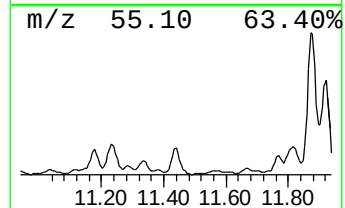
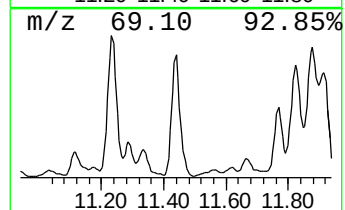
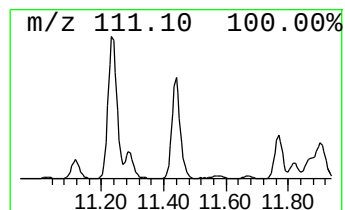
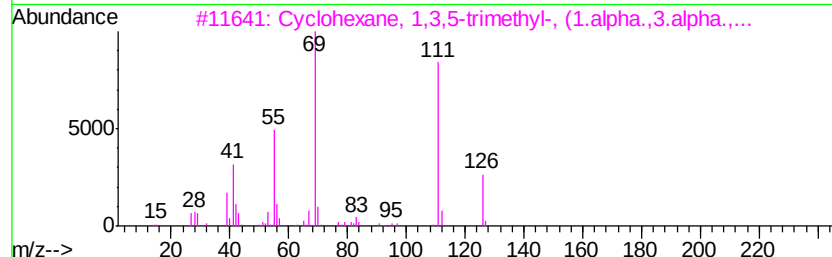
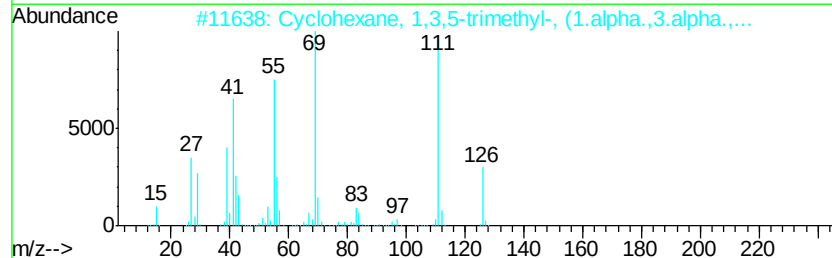
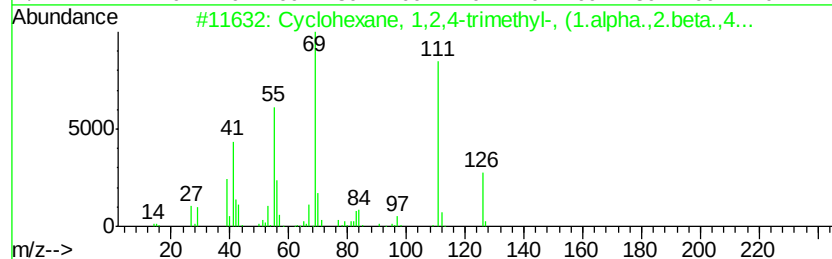
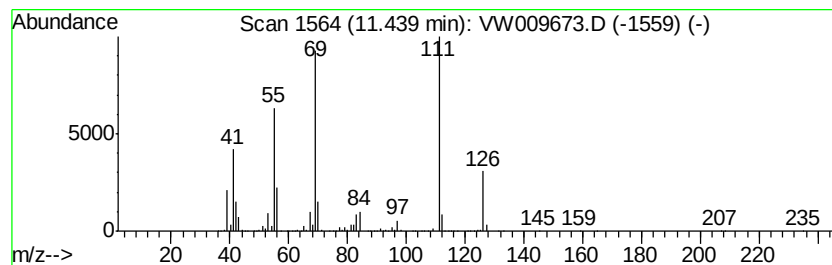
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic11.44 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	82.97 ug/L	7540340	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

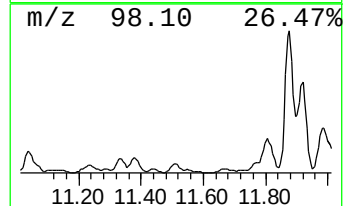
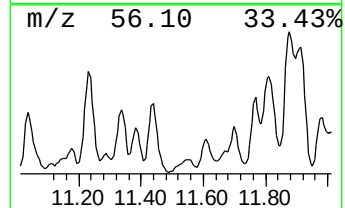
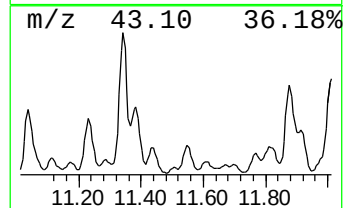
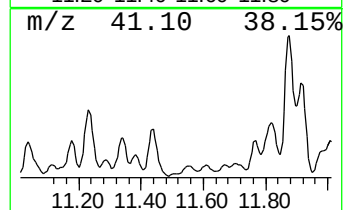
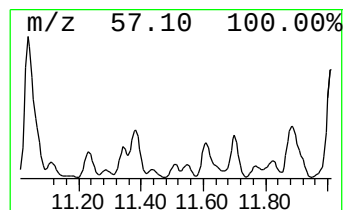
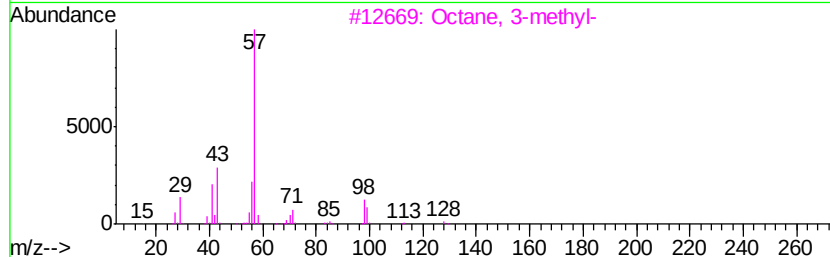
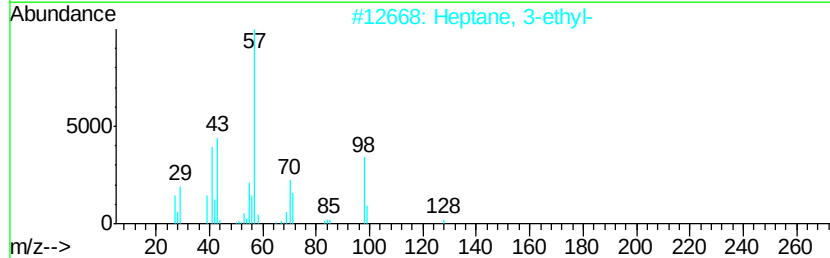
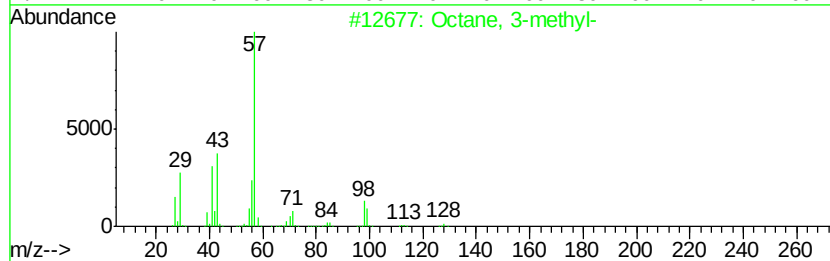
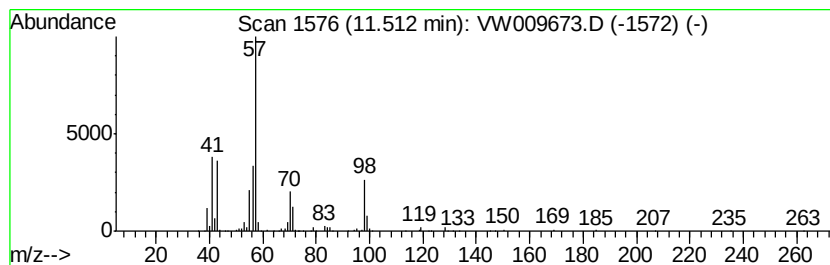
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	2.31 ug/L	209974	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	58
2		Heptane, 3-ethyl-	128	C9H20	015869-80-4	49
3		Octane, 3-methyl-	128	C9H20	002216-33-3	46
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	43
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

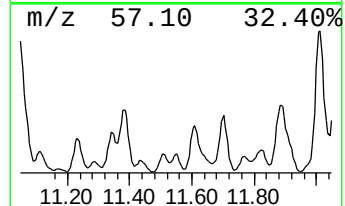
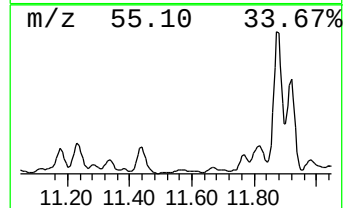
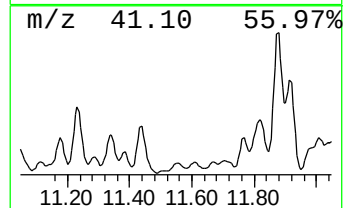
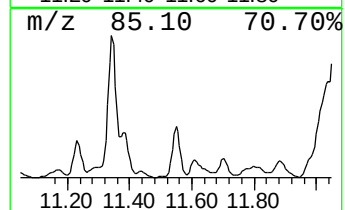
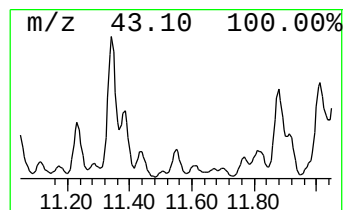
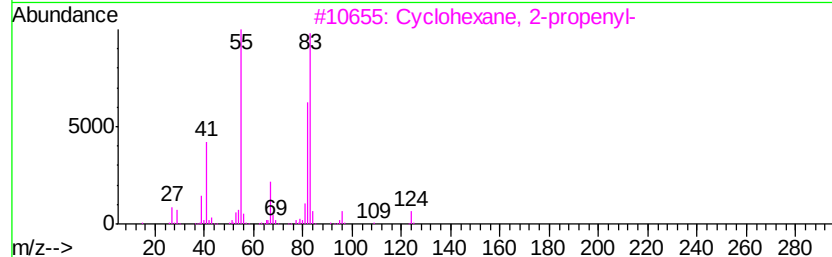
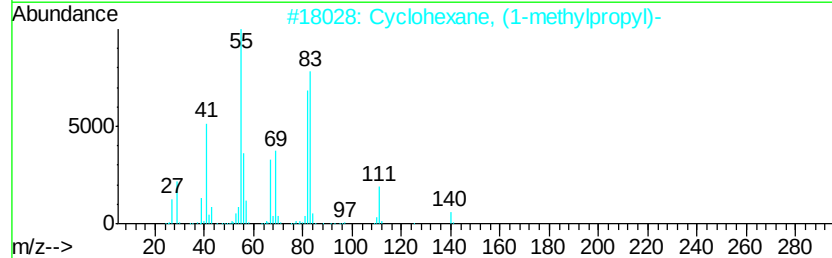
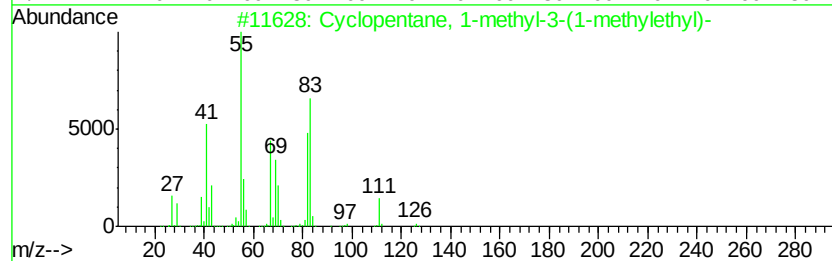
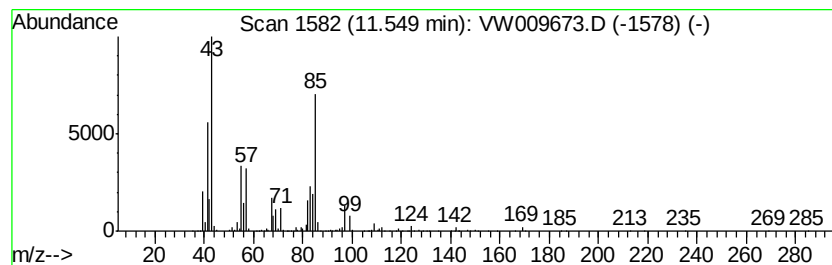
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.55 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.55	11.85 ug/L	1076900	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	35
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	27
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	25
4	Oxirane, 2-methyl-2-pentyl-	128	C8H16O	053907-75-8	22
5	Pentanoic acid, 6-ethyl-3-octyl ...	242	C15H30O2	1000282-73-6	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

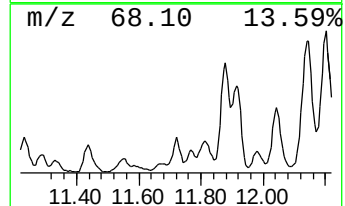
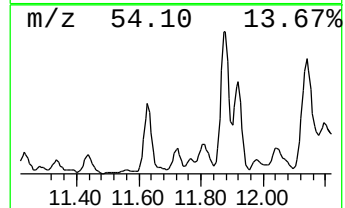
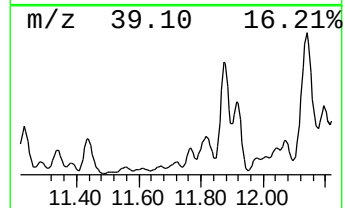
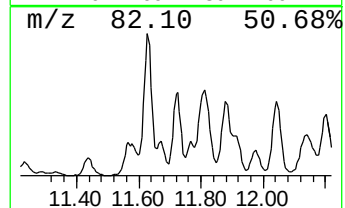
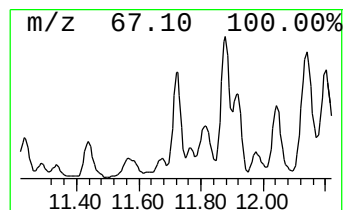
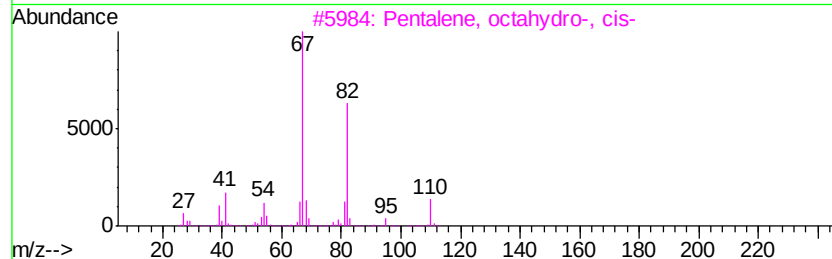
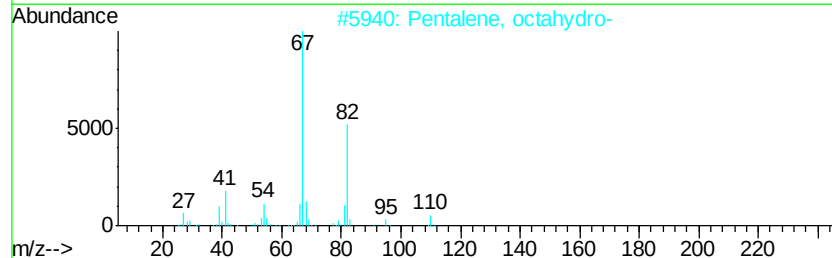
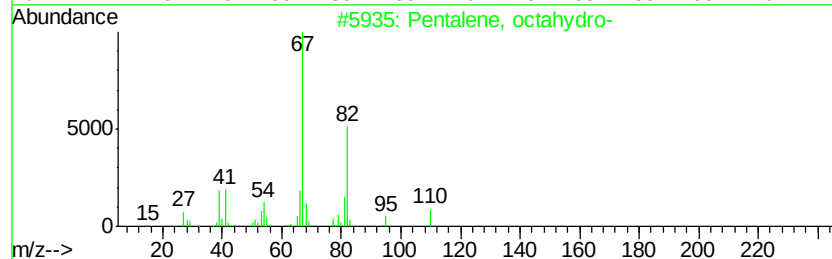
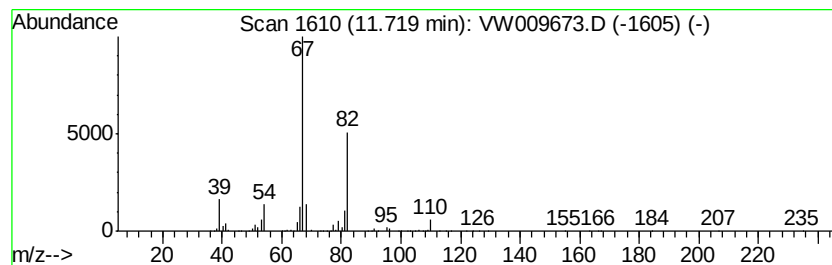
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 23 Pentalene, octahydro- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	8.99 ug/L	816617	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentalene, octahydro-	110 C8H14	000694-72-4 91
2		Pentalene, octahydro-	110 C8H14	000694-72-4 91
3		Pentalene, octahydro-, cis-	110 C8H14	001755-05-1 83
4		3-Hexen-1-ol, formate, (Z)-	128 C7H12O2	033467-73-1 72
5		Carbonic acid, 3-hexenyl methyl ...	158 C8H14O3	067633-96-9 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

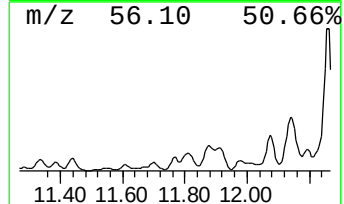
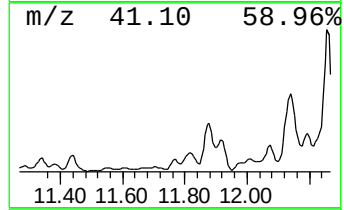
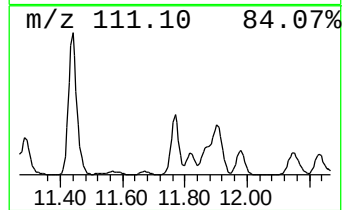
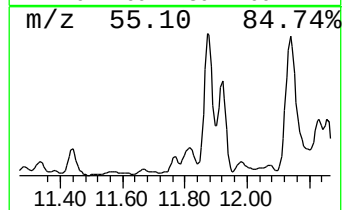
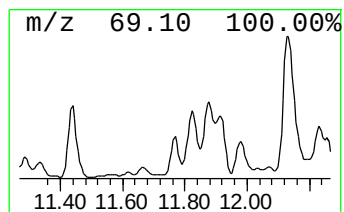
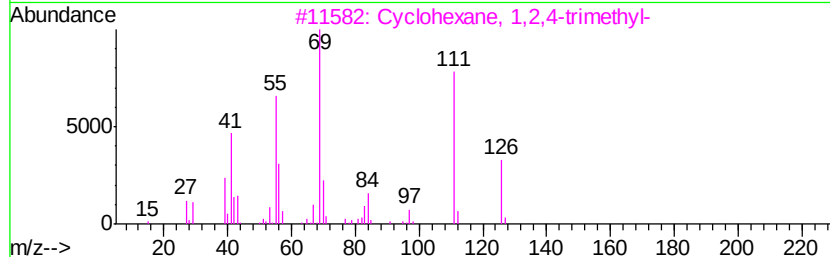
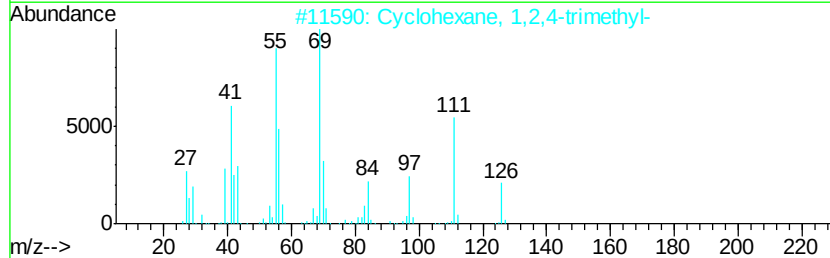
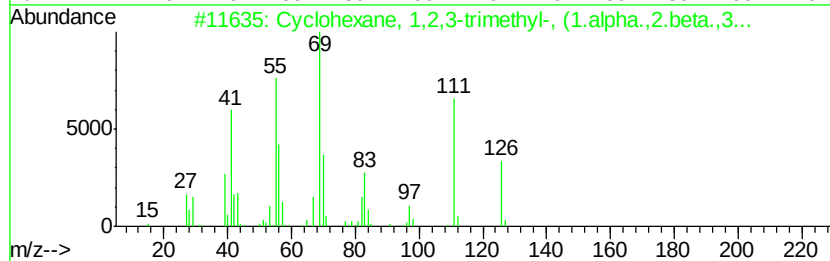
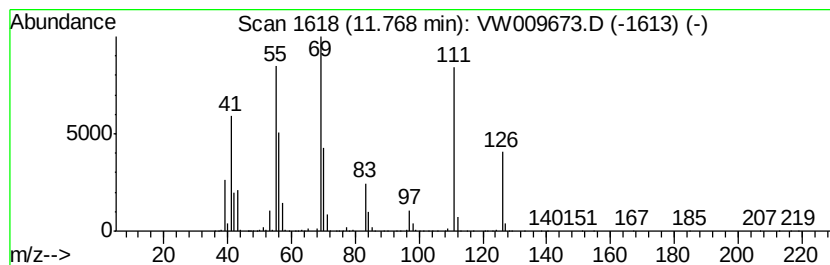
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.77 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	40.65 ug/L	3694250	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	96
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
5		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

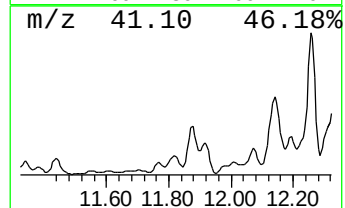
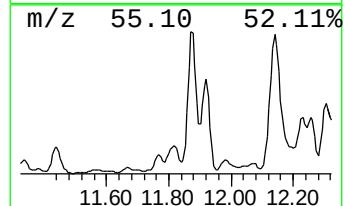
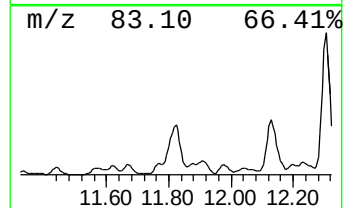
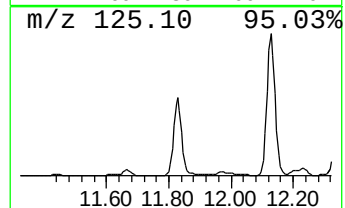
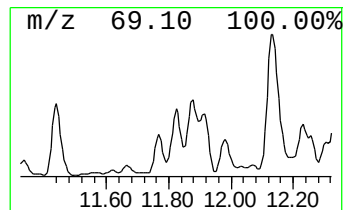
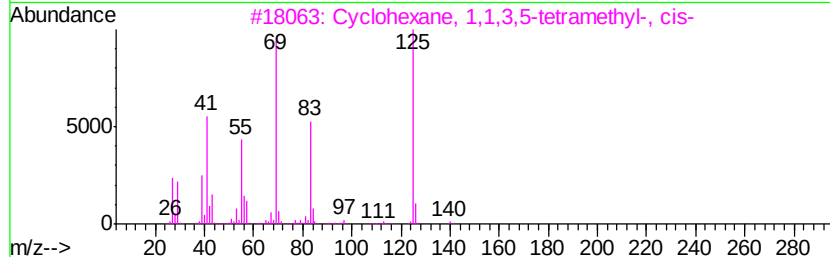
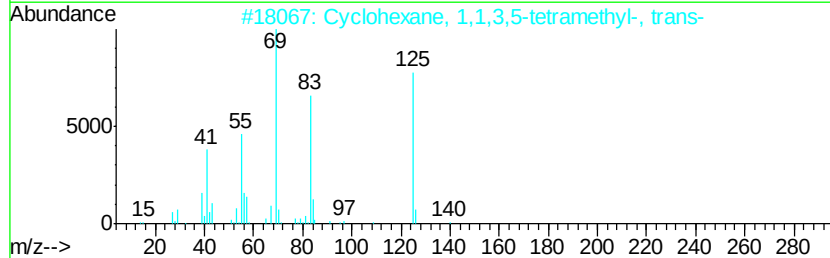
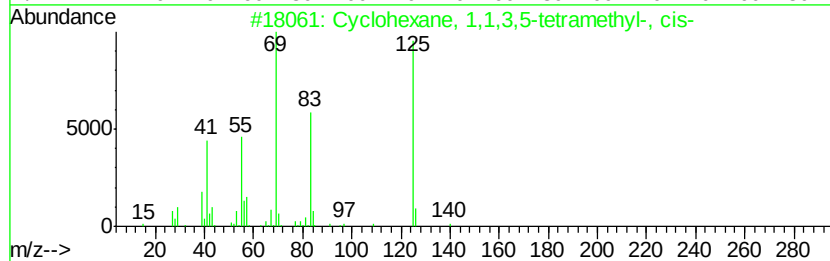
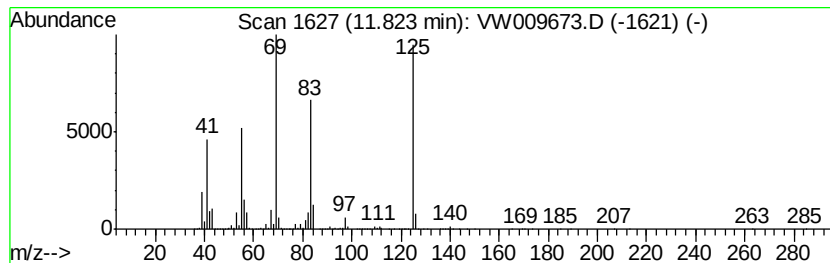
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic11.82 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	54.65 ug/L	4966620	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	94
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	91
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	87
4		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	80
5		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

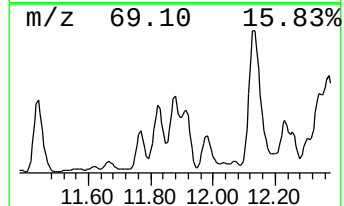
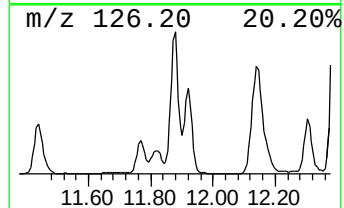
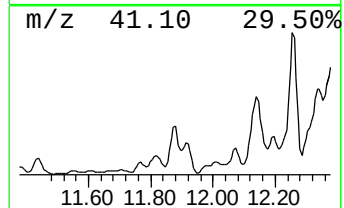
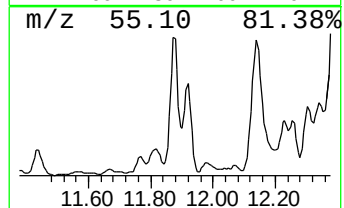
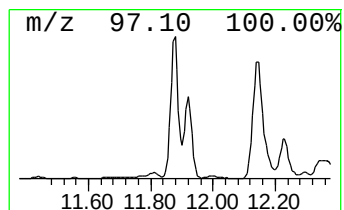
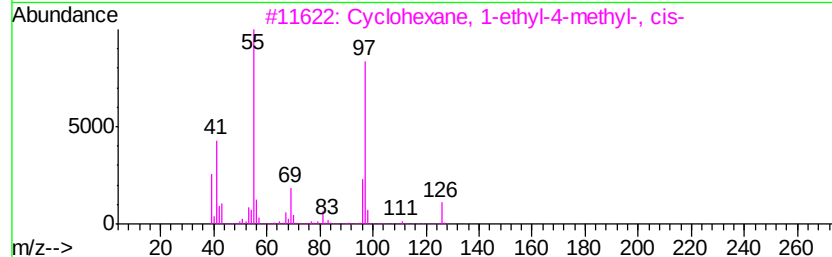
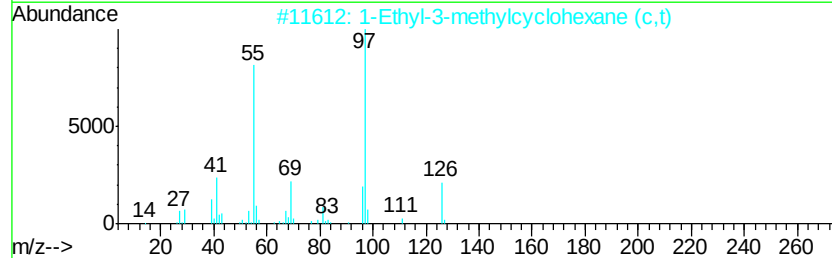
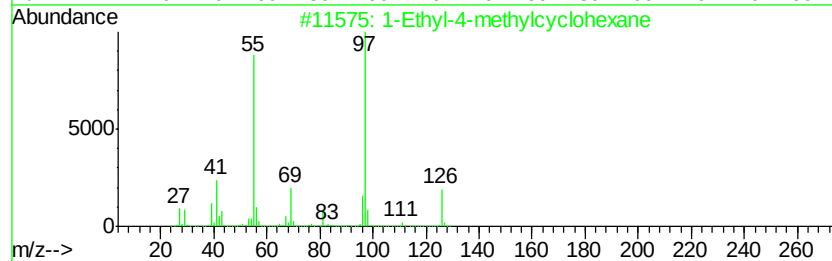
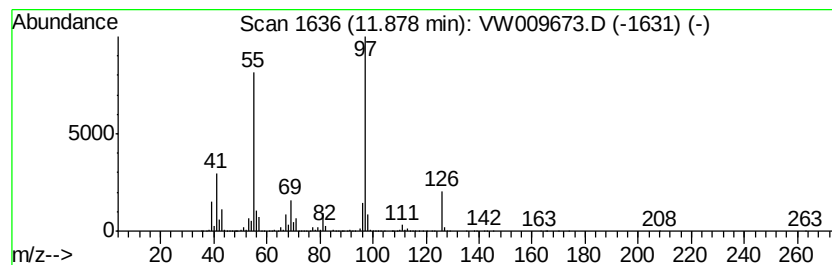
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic11.88 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.88	227.40 ug/L	20666600	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	90
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

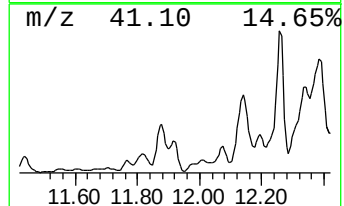
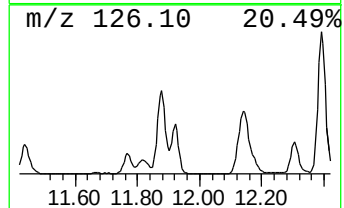
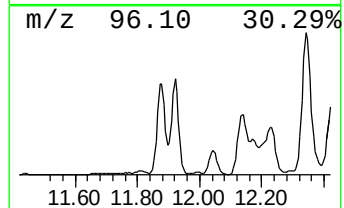
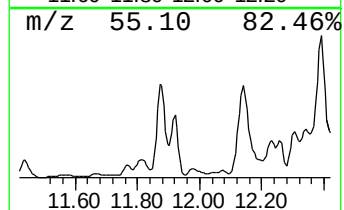
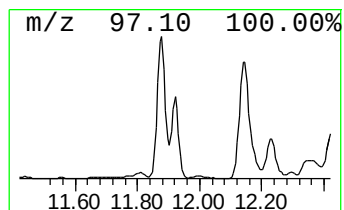
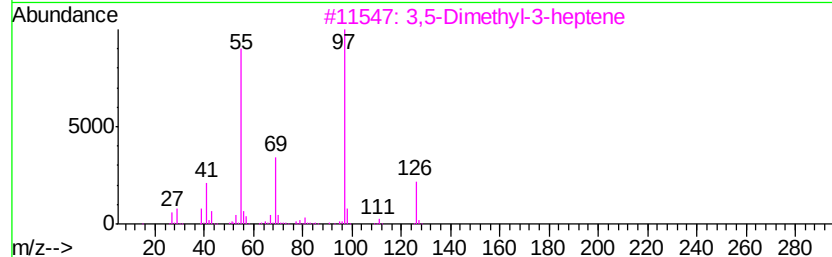
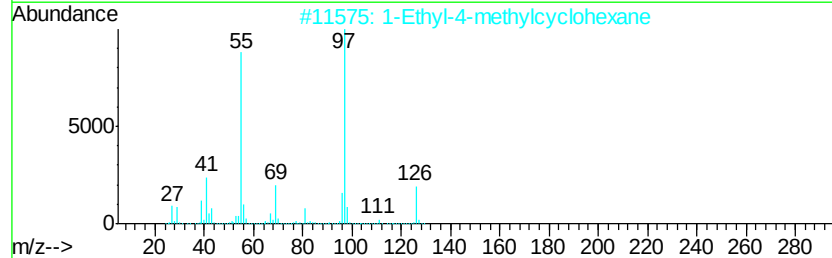
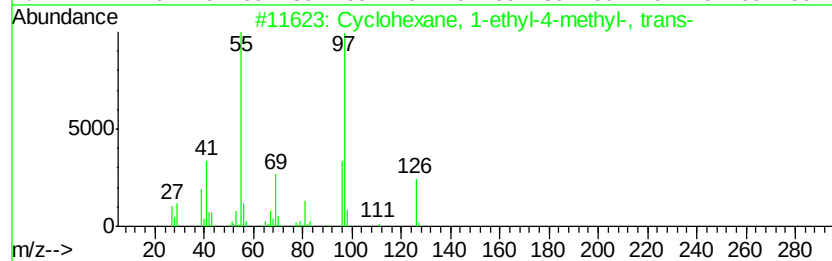
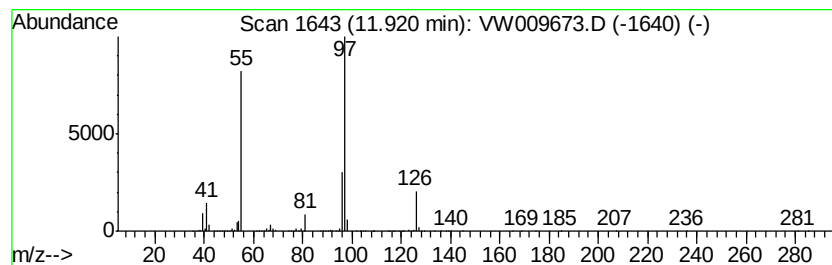
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Cyclic11.92 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	135.04 ug/L	12272300	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

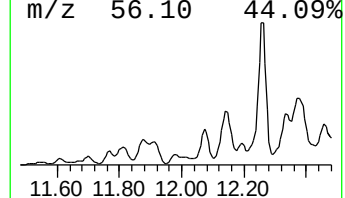
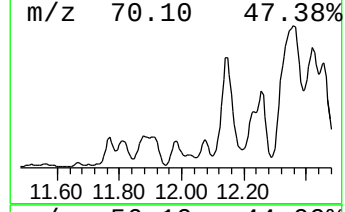
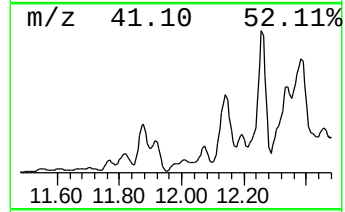
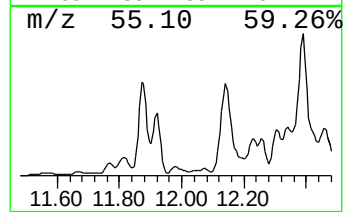
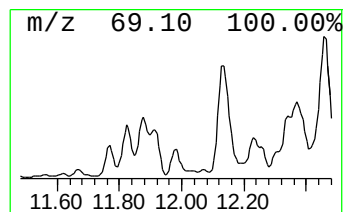
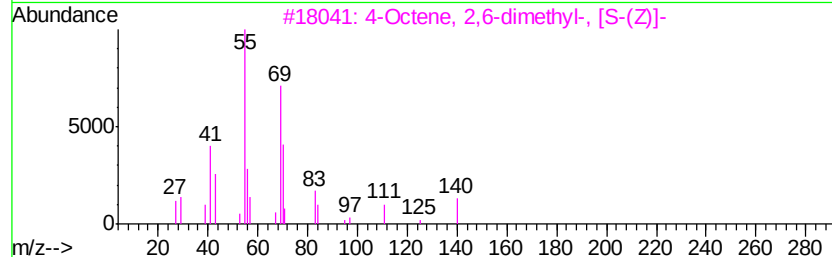
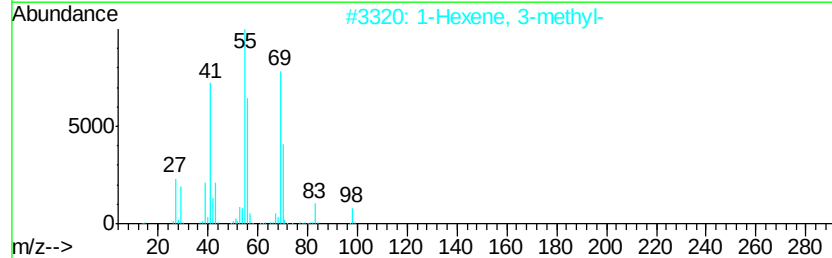
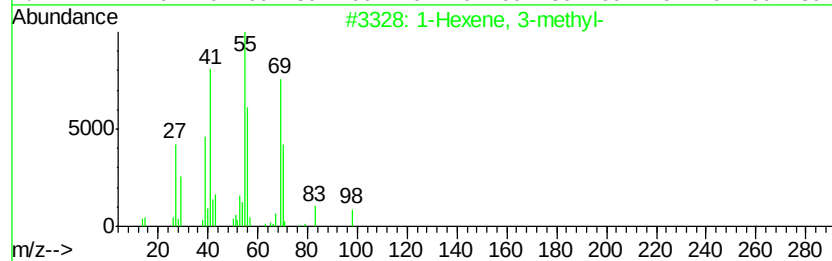
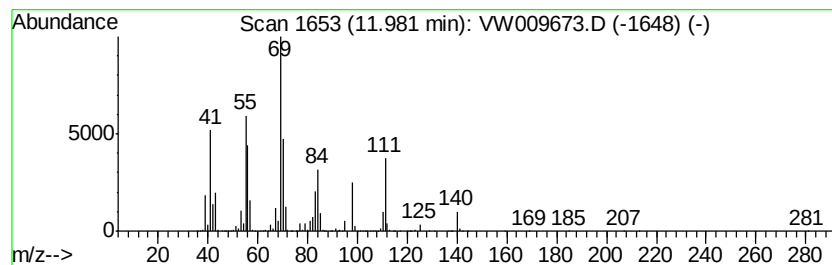
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.98 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	36.82 ug/L	3346570	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	68
2		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	68
3		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	58
4		4-Decene	140	C10H20	019689-18-0	53
5		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

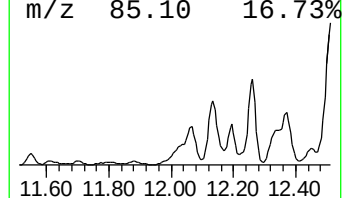
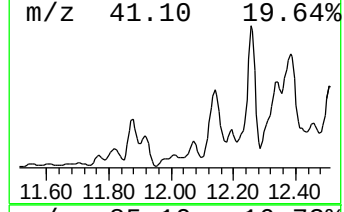
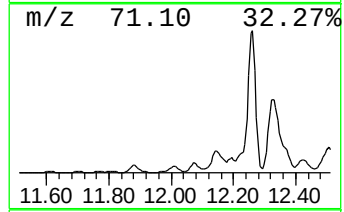
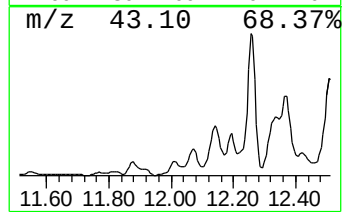
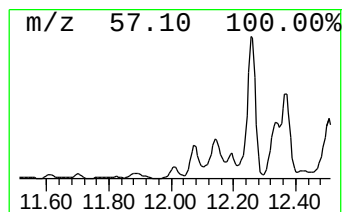
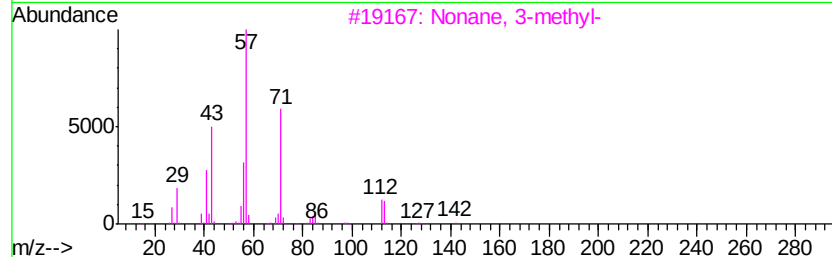
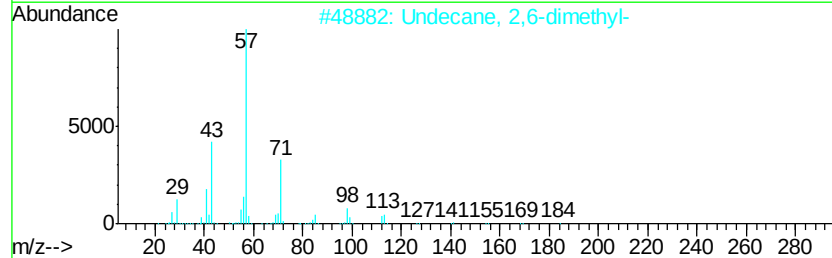
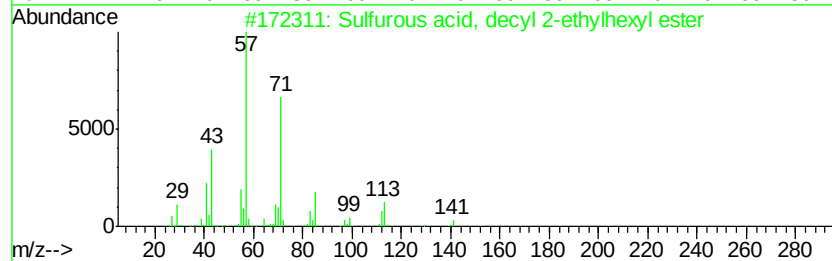
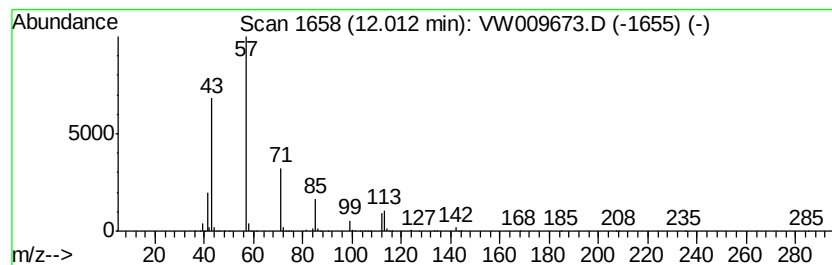
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 29 Sulfurous acid, decyl 2-eth... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.59 ug/L	508466	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	78
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	64
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

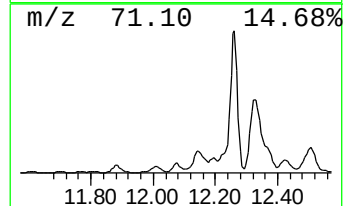
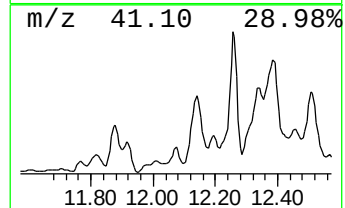
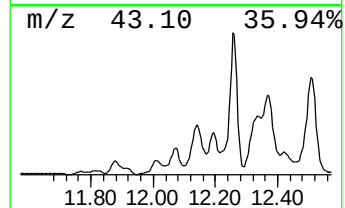
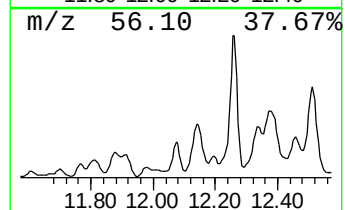
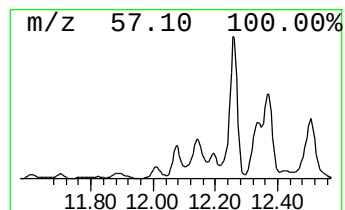
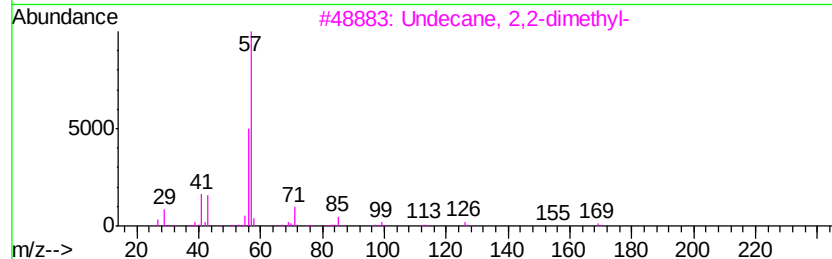
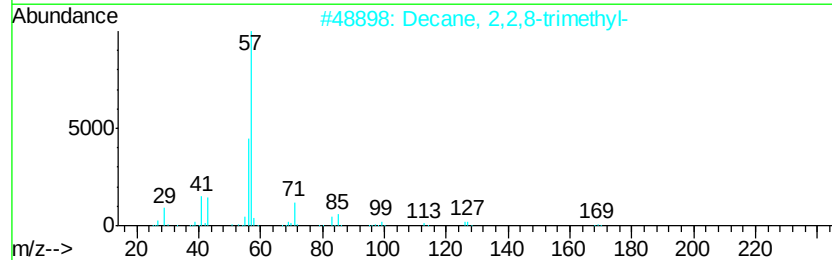
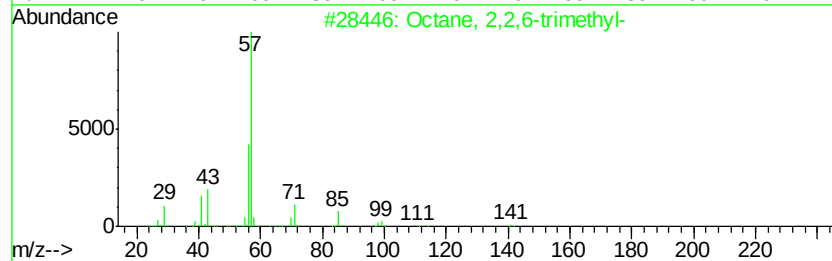
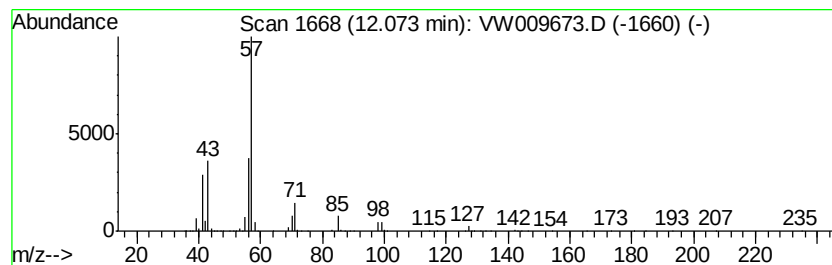
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	69.34 ug/L	6301880	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	78
2		Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
3		Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72
4		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	72
5		Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

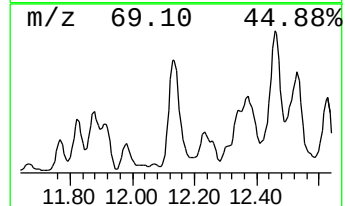
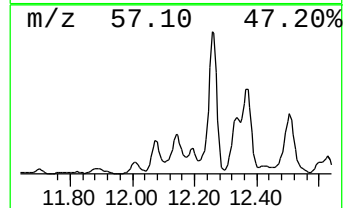
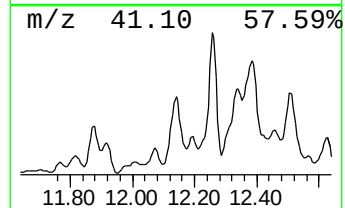
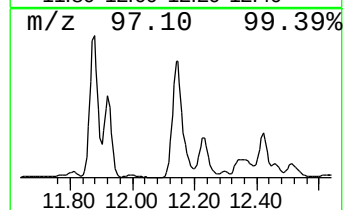
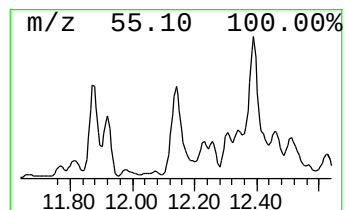
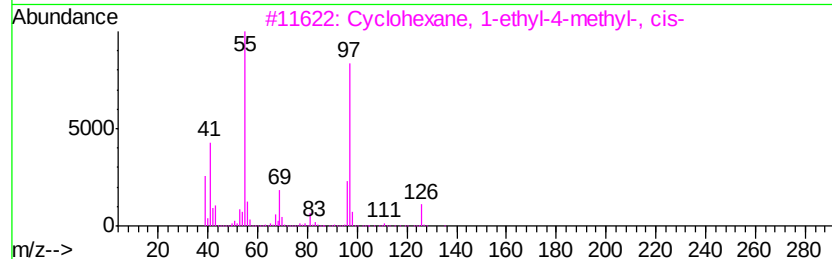
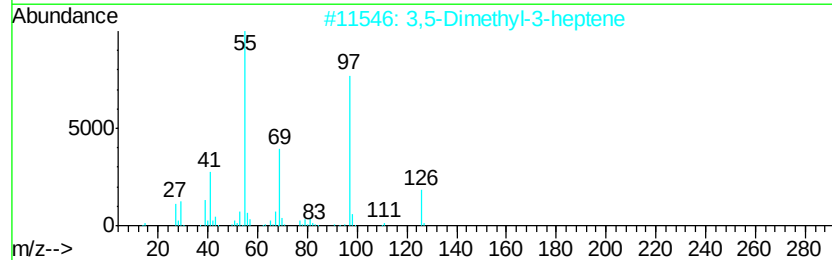
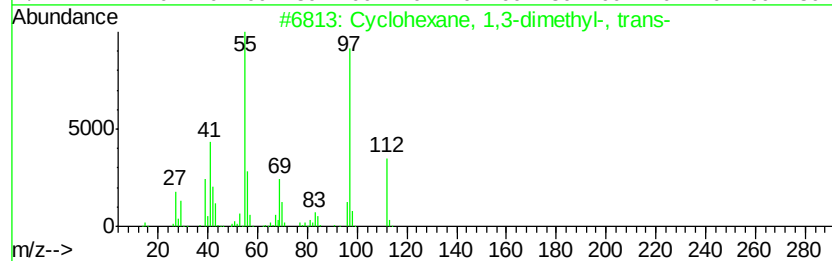
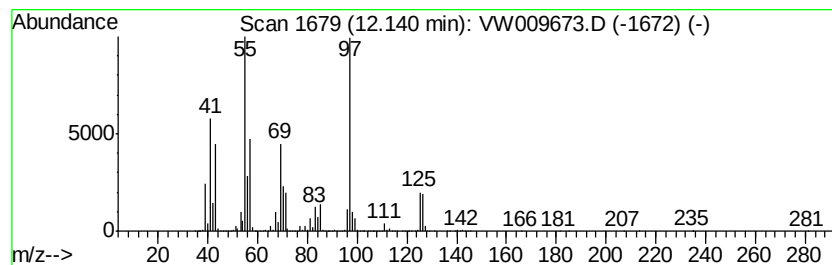
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic12.14 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	443.74 ug/L	40328400	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
2		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	49
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

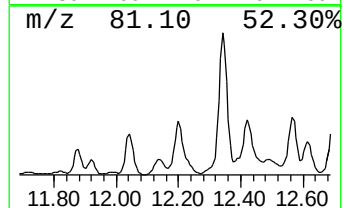
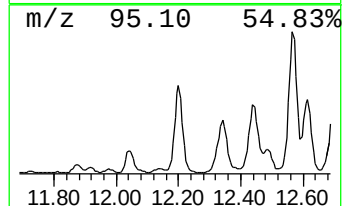
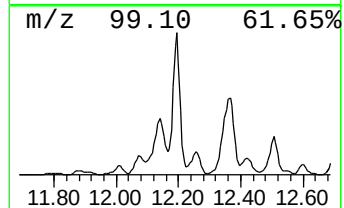
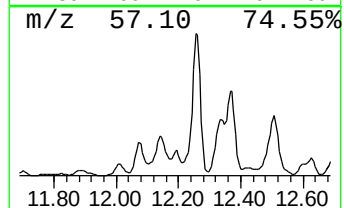
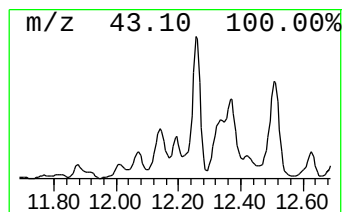
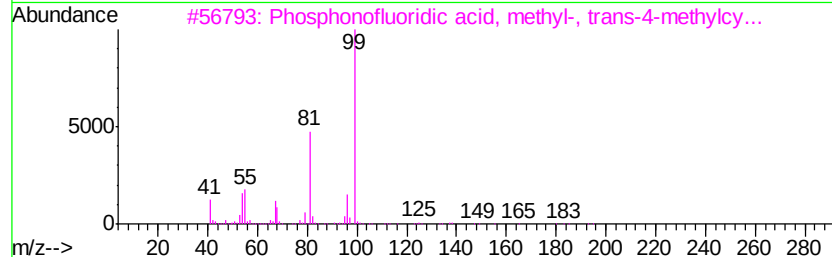
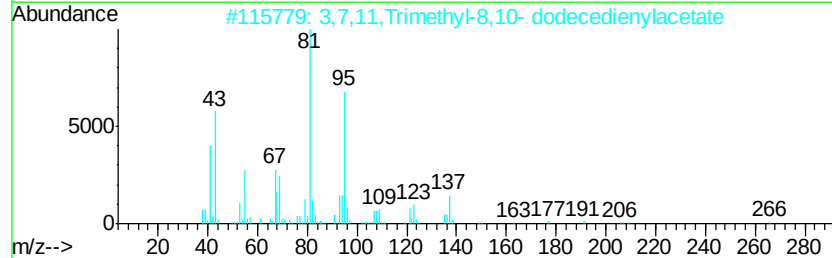
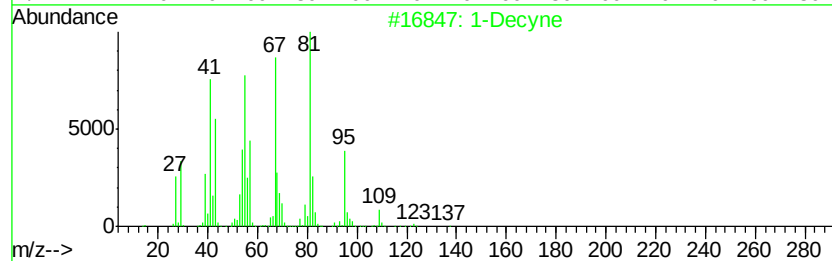
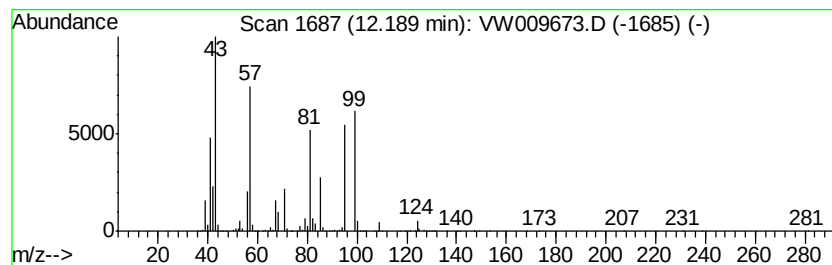
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 32 unknown-01 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	37.34 ug/L	3393690	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Decyne	138	C10H18	000764-93-2	43
2			3,7,11,Trimethyl-8,10- dodecedie...	266	C17H30O2	1000374-10-3	38
3			Phosphonofluoridic acid, methyl-...	194	C8H16F02P	333416-45-8	27
4			1-Octyne	110	C8H14	000629-05-0	27
5			Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

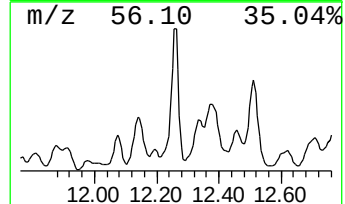
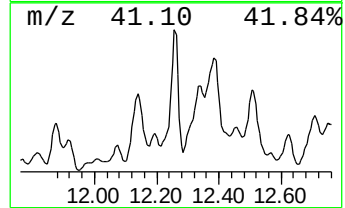
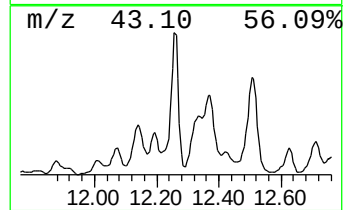
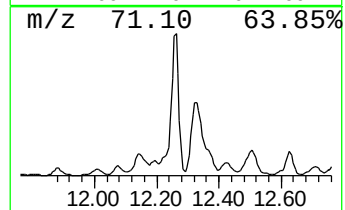
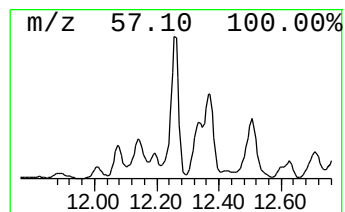
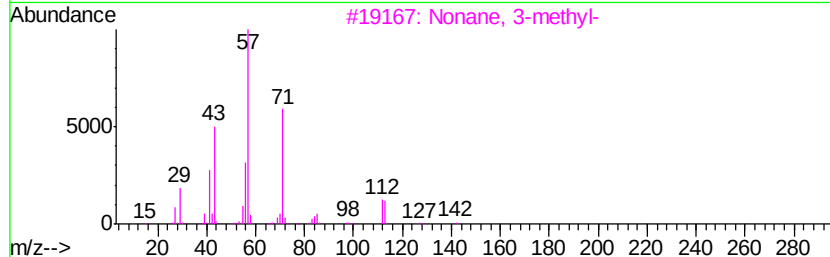
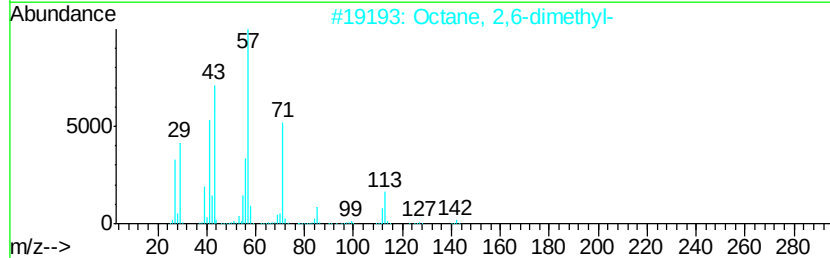
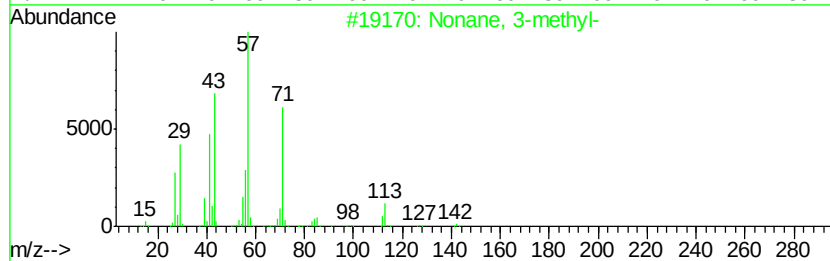
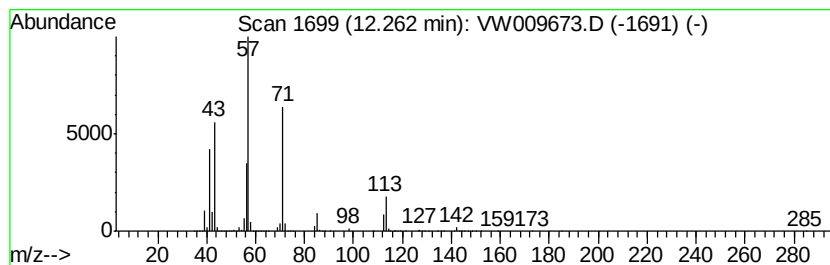
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	460.91 ug/L	41888400	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

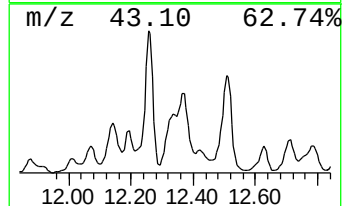
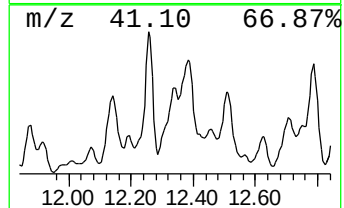
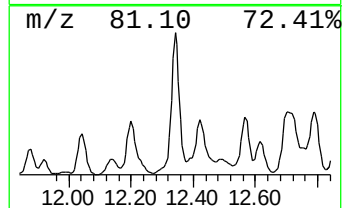
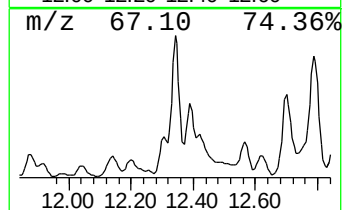
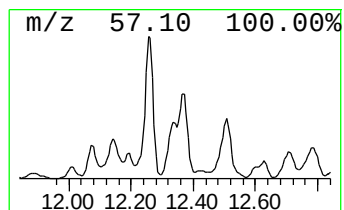
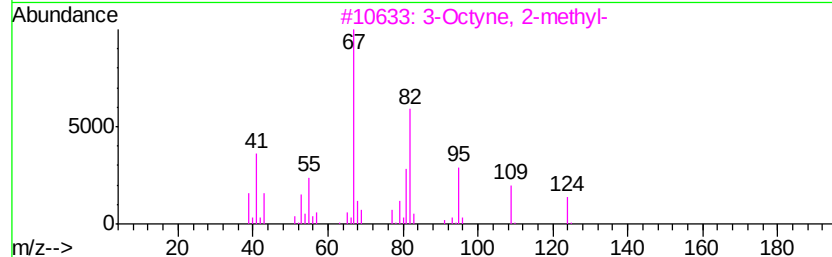
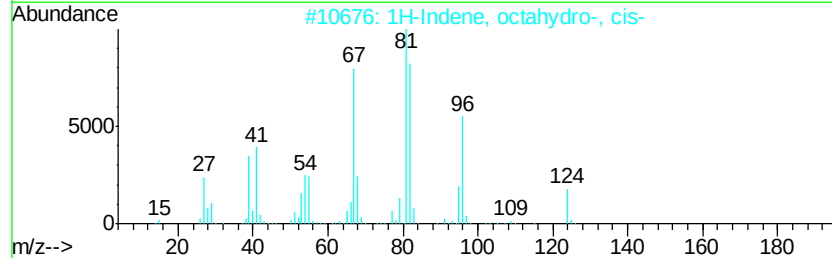
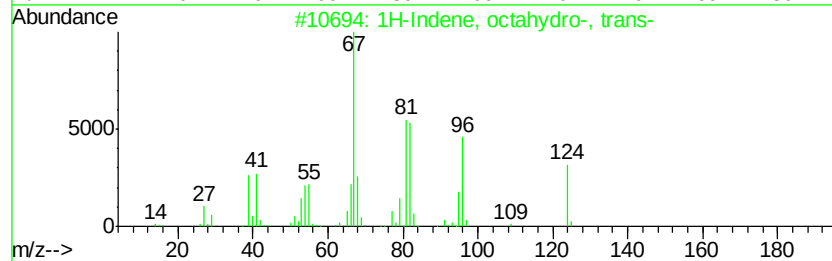
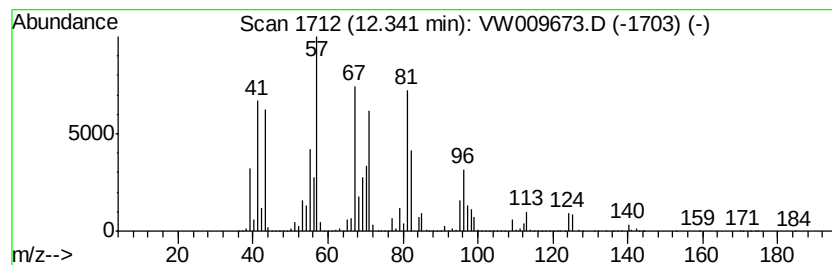
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 34 1H-Indene, octahydro-, trans- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	549.40 ug/L	49930400	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
2		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50
3		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49
4		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
5		Cyclohexane, methylene-	96	C7H12	001192-37-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

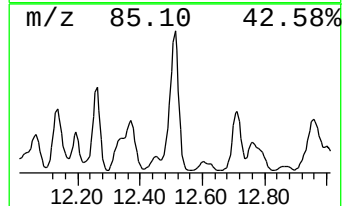
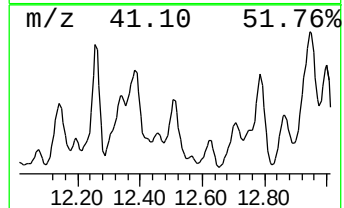
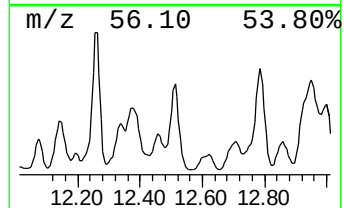
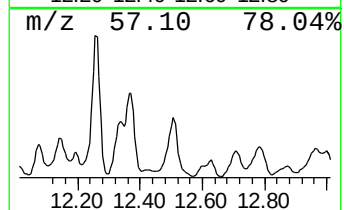
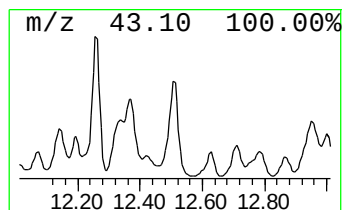
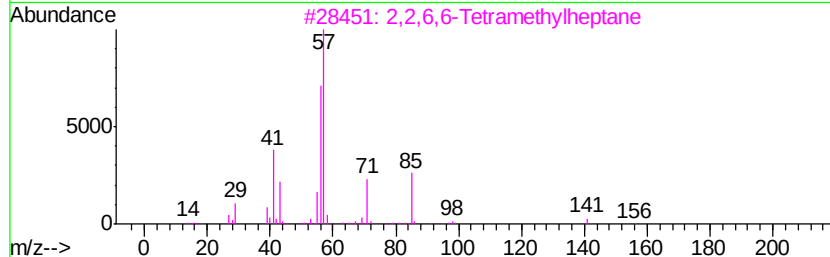
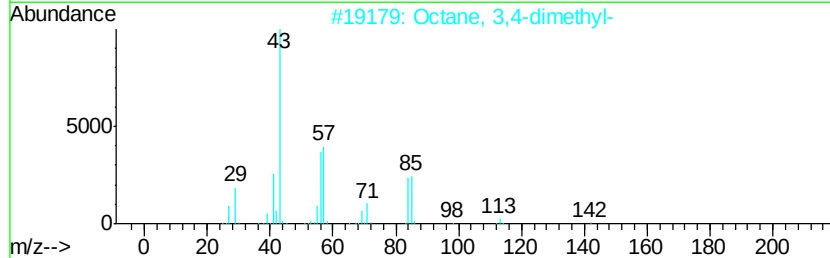
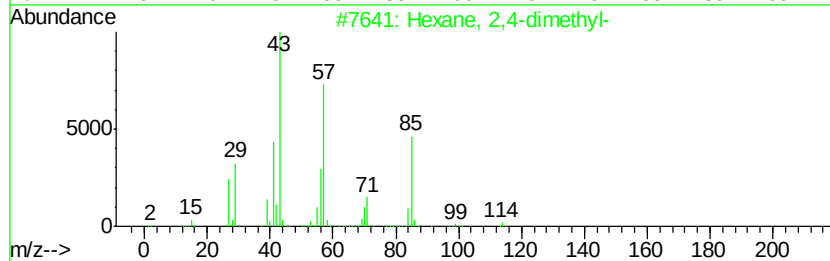
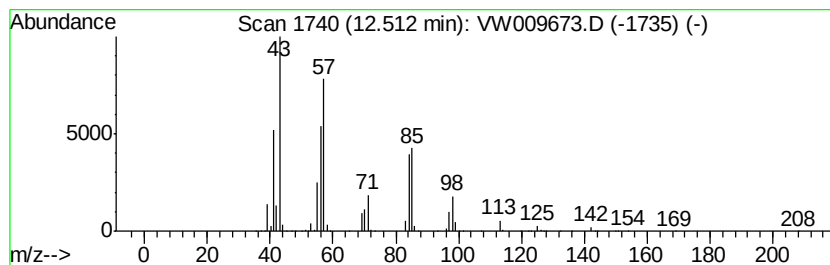
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	290.65 ug/L	26414800	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
2		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	47
3		2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	47
4		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	43
5		Heptane, 4-ethyl-	128	C9H20	002216-32-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

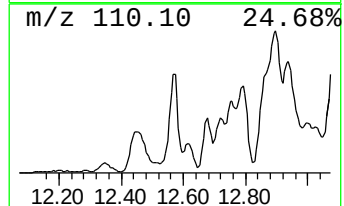
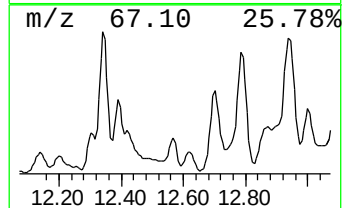
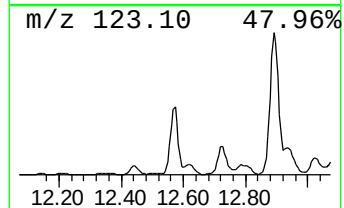
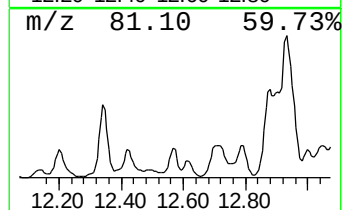
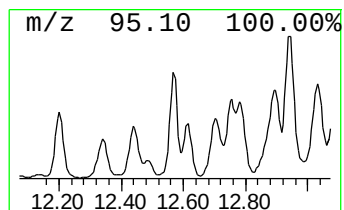
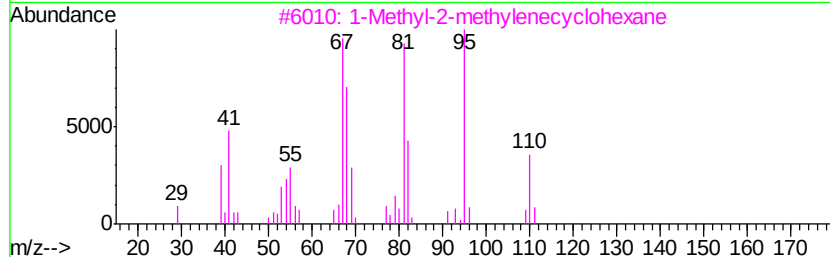
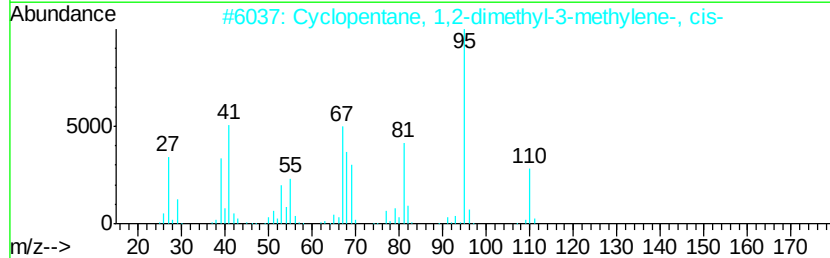
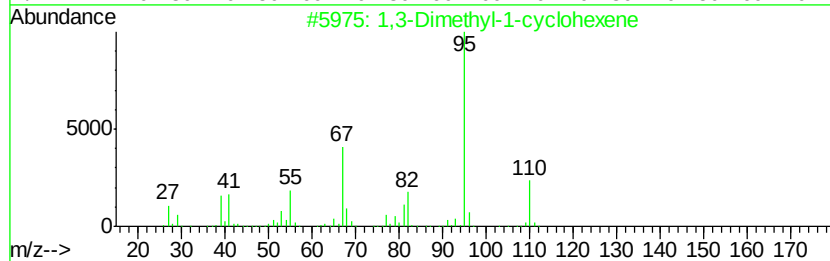
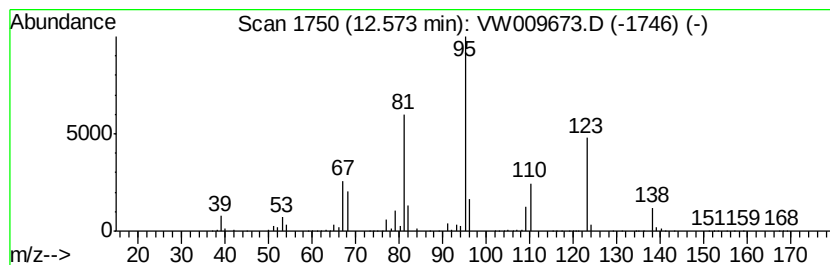
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 36 1,3-Dimethyl-1-cyclohexene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	48.68 ug/L	4423810	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	52
2		Cyclopentane, 1,2-dimethyl-3-methyl-	110	C8H14	091884-67-2	50
3		1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	46
4		Cyclopentene, 1,4-dimethyl-5-(1-methyl-2-methylenecyclopent-2-enyl)-	138	C10H18	061142-33-4	46
5		1-(1,2-Dimethyl-cyclopent-2-enyl)-	138	C9H14O	070987-82-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

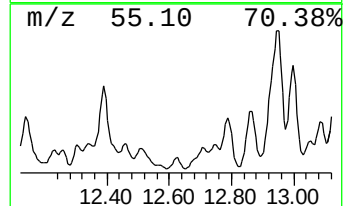
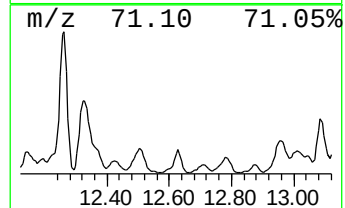
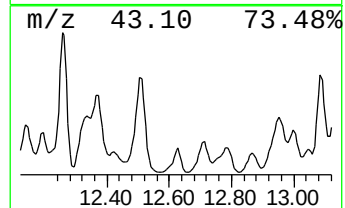
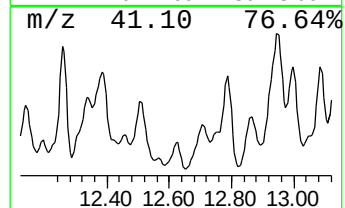
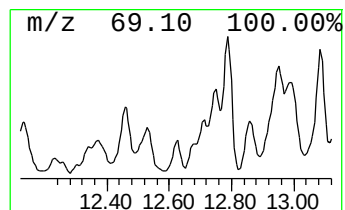
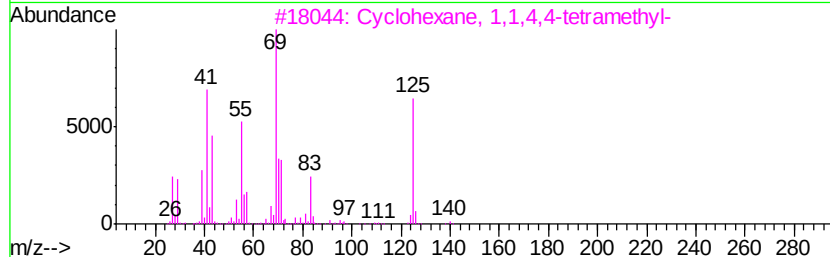
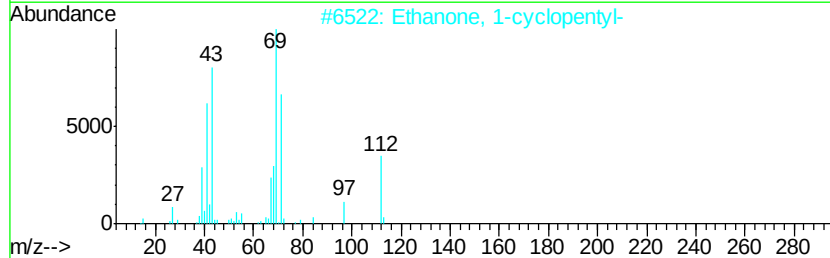
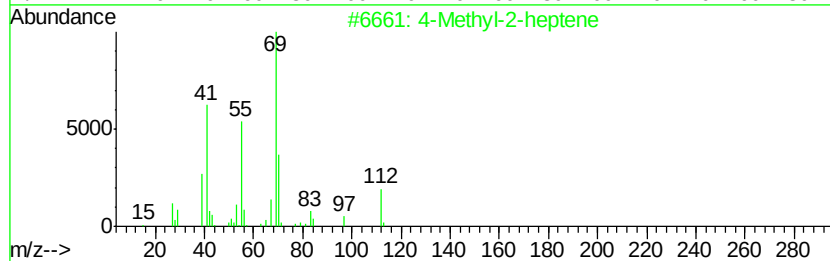
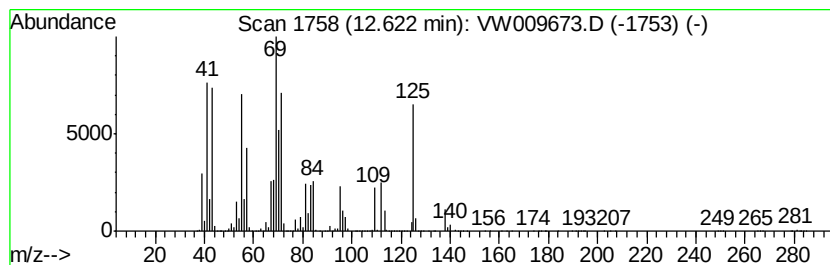
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Cyclic12.62 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	40.93 ug/L	15191700	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methyl-2-heptene	112	C8H16	003404-56-6	50
2		Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	46
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
4		2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
5		Cyclohexanecarboxylic acid, 4-pr...	382	C23H30N2O3	075941-50-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

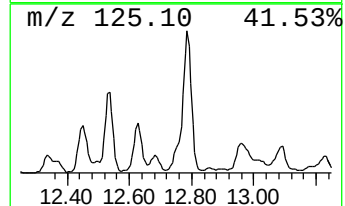
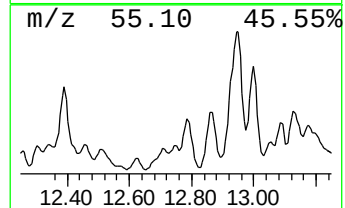
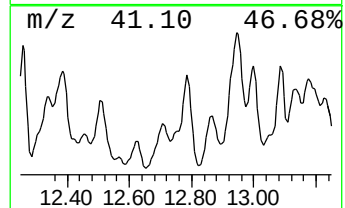
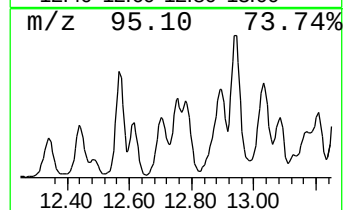
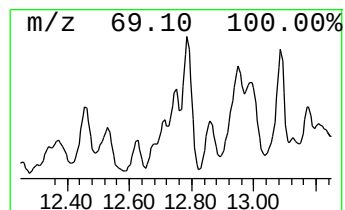
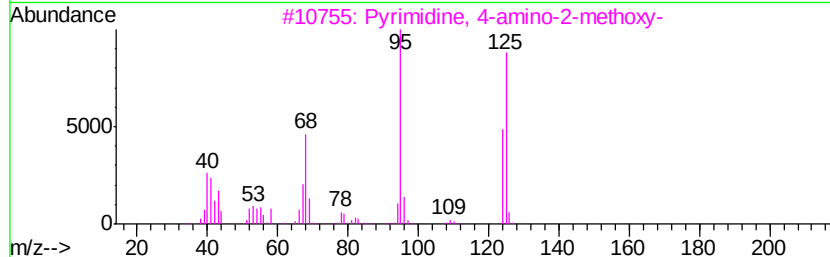
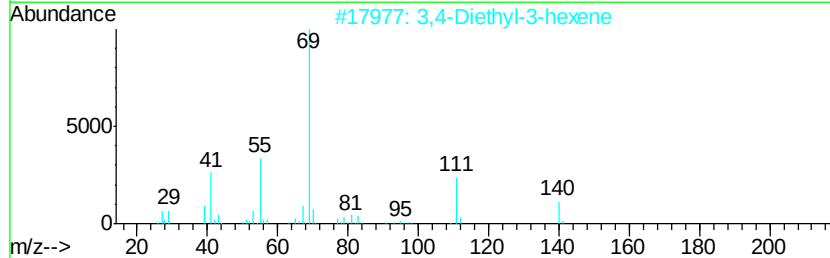
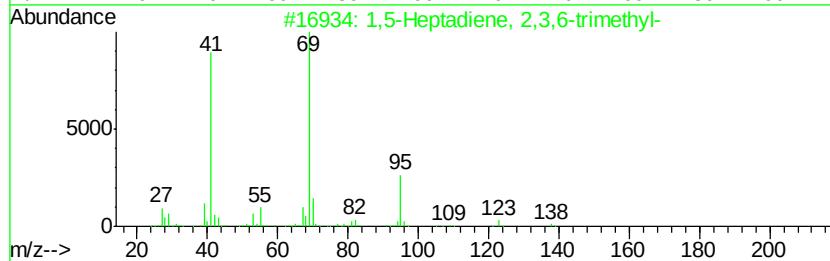
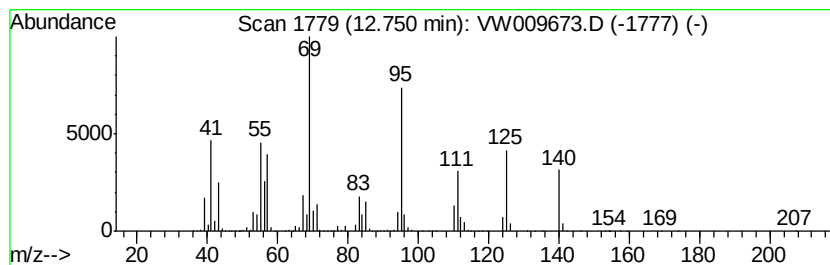
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 38 unknown-02 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	20.99 ug/L	7790740	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	43
2		3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	38
3		Pvrimidine, 4-amino-2-methoxy-	125	C5H7N3O	003289-47-2	35
4		Imidazole-5-carboxylic amide, N-...	125	C5H7N3O	053525-55-6	27
5		Triallylsilane	152	C9H16Si	001116-62-7	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

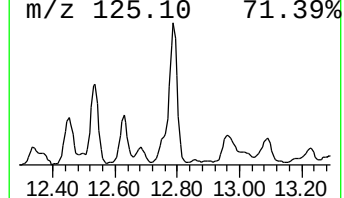
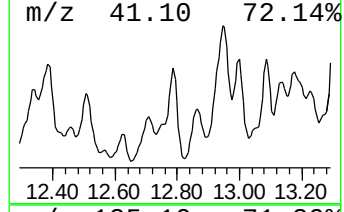
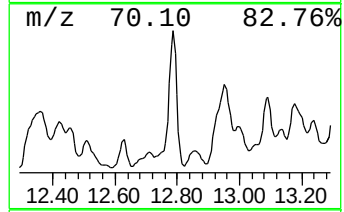
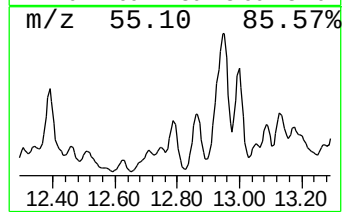
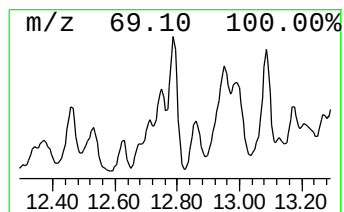
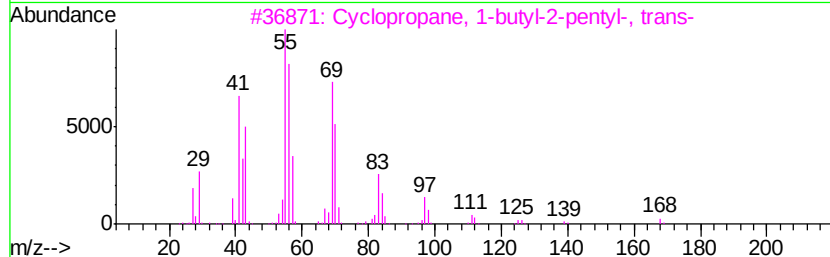
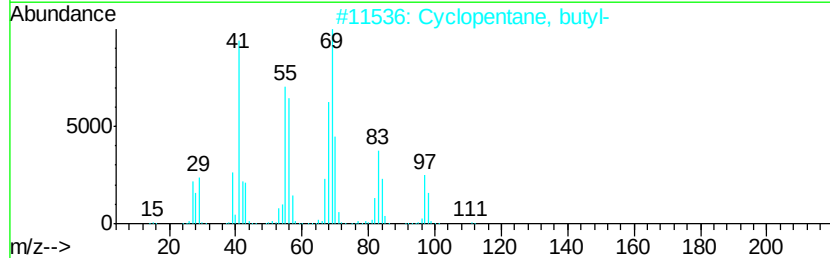
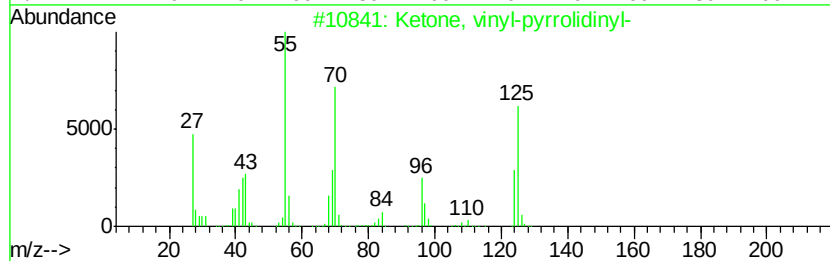
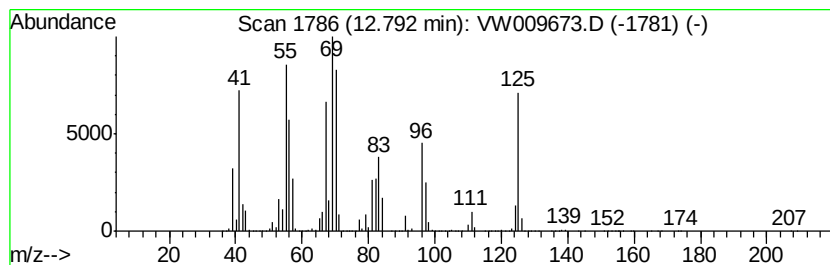
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 39 Ketone, vinyl-pyrrolidinyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	135.98 ug/L	50474400	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	50
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	47
3		Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-87-9	46
4		Cyclooctane, methyl-	126	C9H18	001502-38-1	38
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

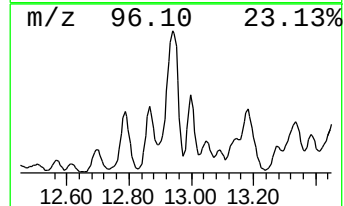
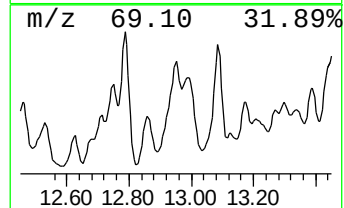
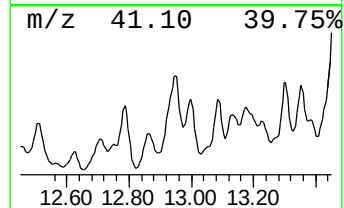
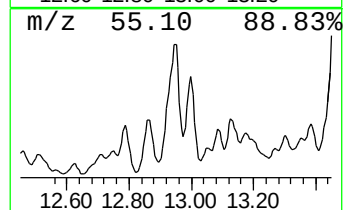
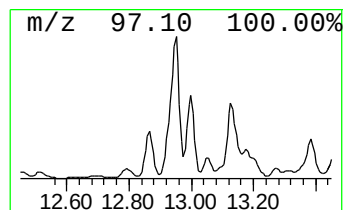
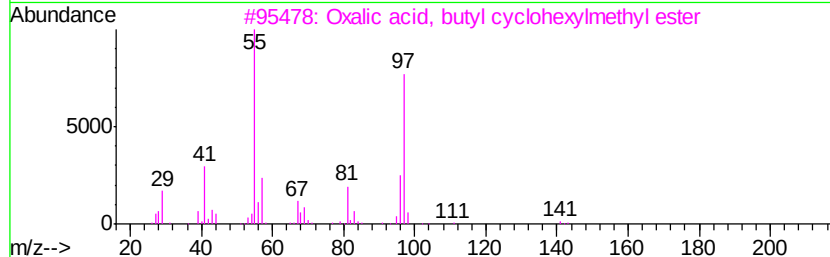
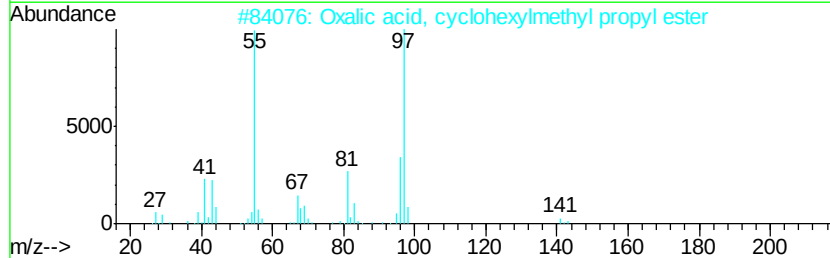
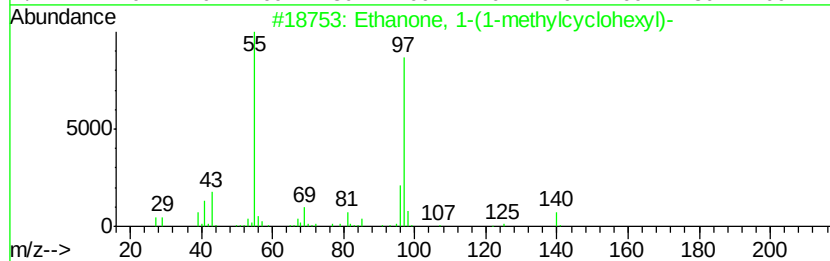
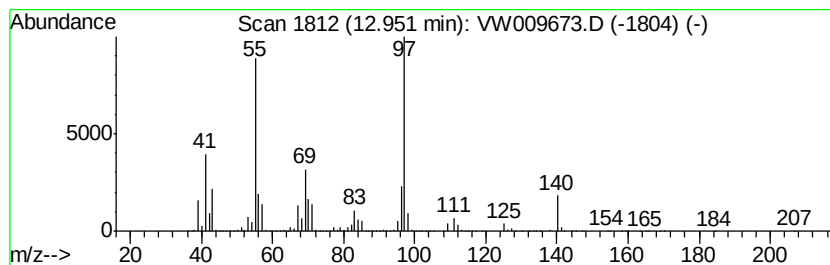
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 41 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	246.64 ug/L	91549400	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	78
2		Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	72
3		Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	64
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

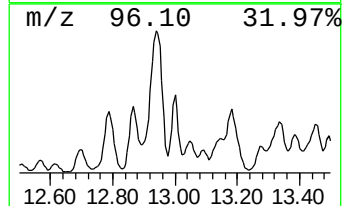
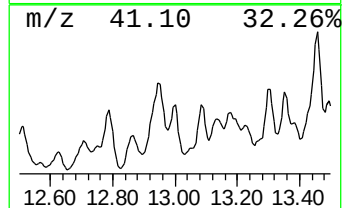
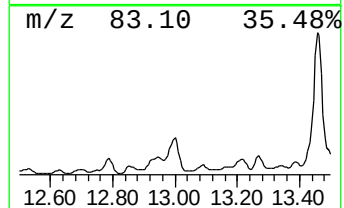
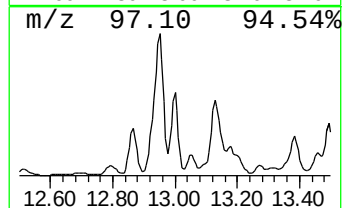
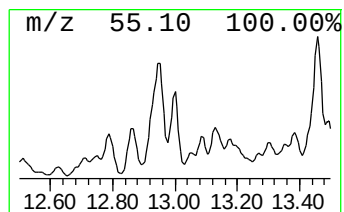
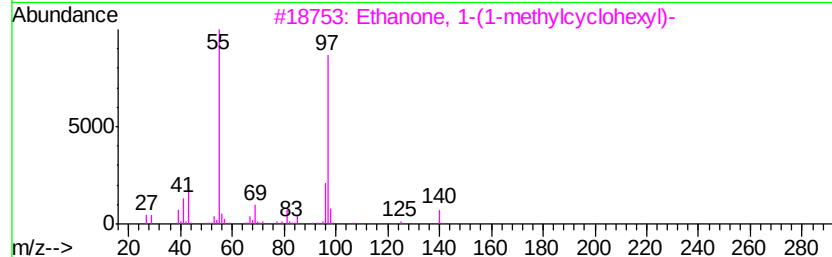
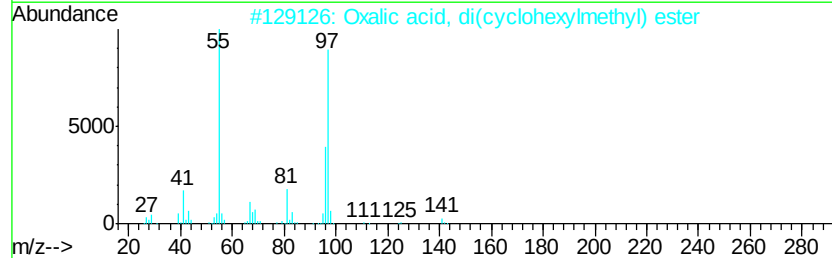
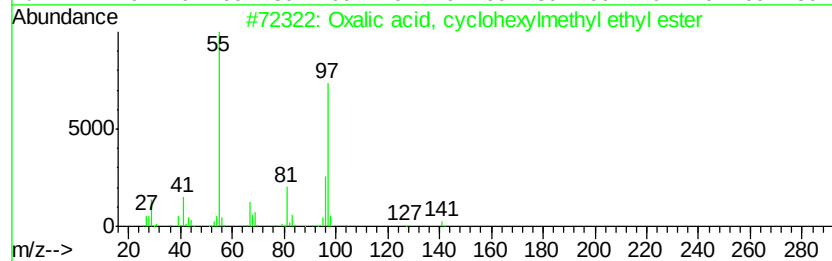
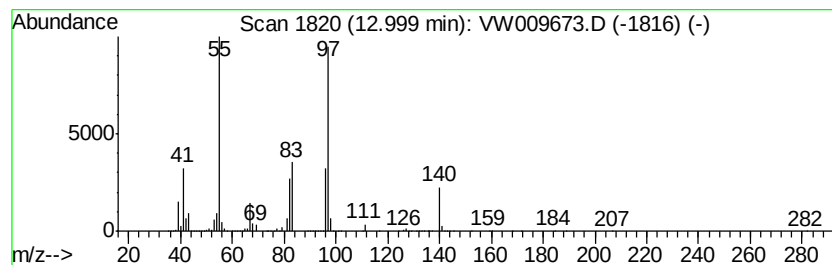
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 42 Oxalic acid, cyclohexylmeth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	100.58 ug/L	37333500	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Oxalic acid, cyclohexylmethvl et...	214 C11H18O4	1000309-68-0	59
2	Oxalic acid, di(cyclohexylmethvl...	282 C16H26O4	1000309-68-5	59
3	Ethanone, 1-(1-methylcyclohexyl)-	140 C9H16O	002890-62-2	53
4	Sulfurous acid, cyclohexylmethvl...	206 C9H18O3S	1000309-21-2	53
5	m-Menthane, (1S,3R)-(+)-	140 C10H20	013837-66-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

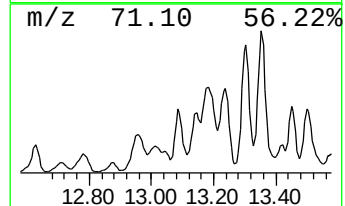
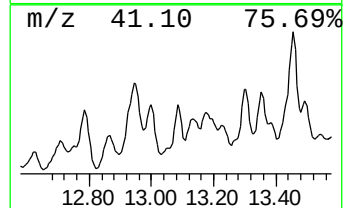
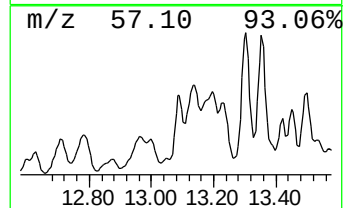
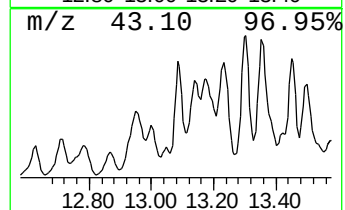
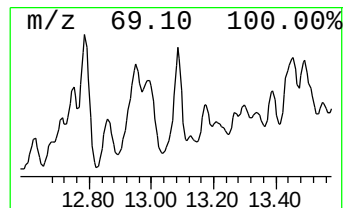
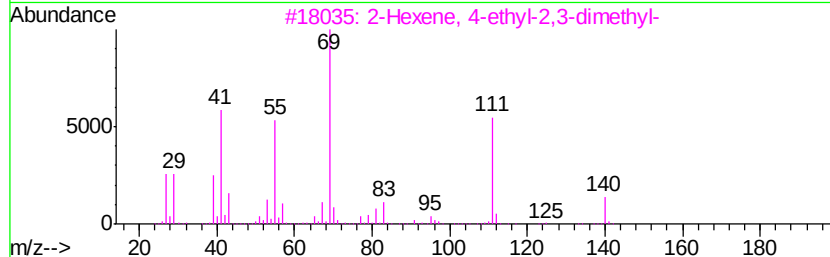
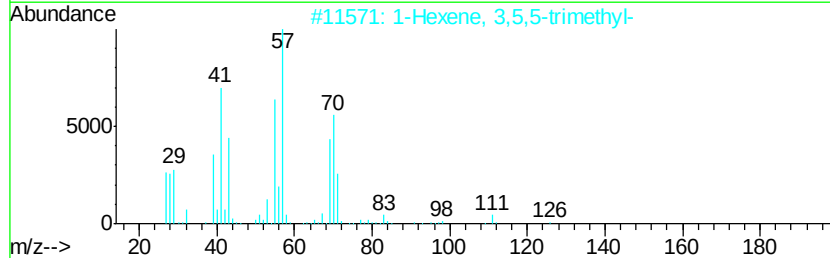
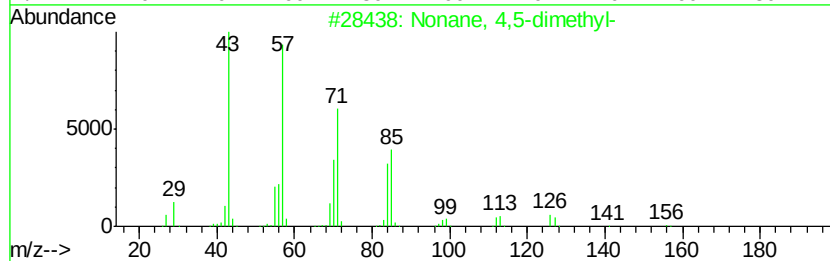
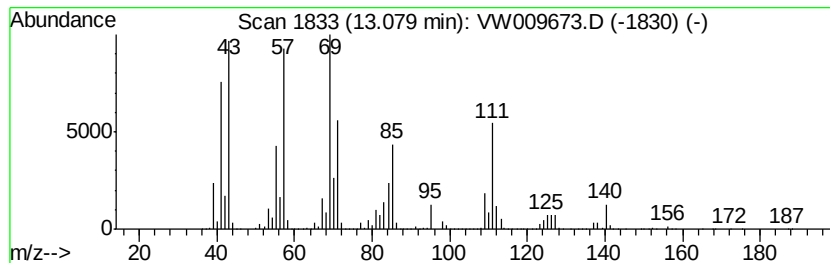
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	74.56 ug/L	27676400	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	83
2		1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	49
3		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
5		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

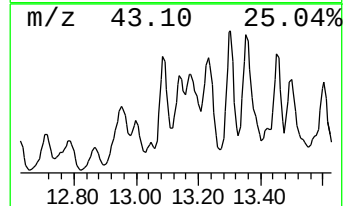
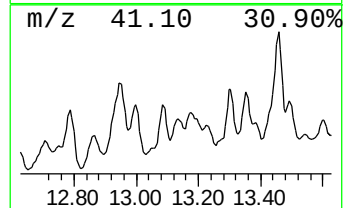
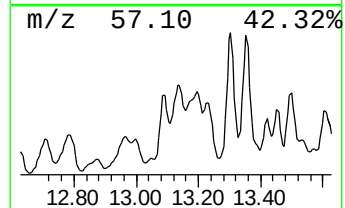
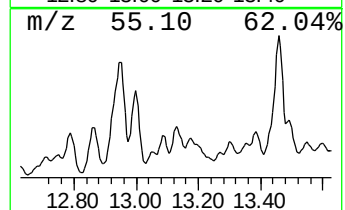
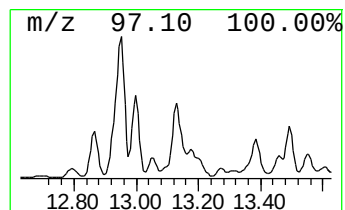
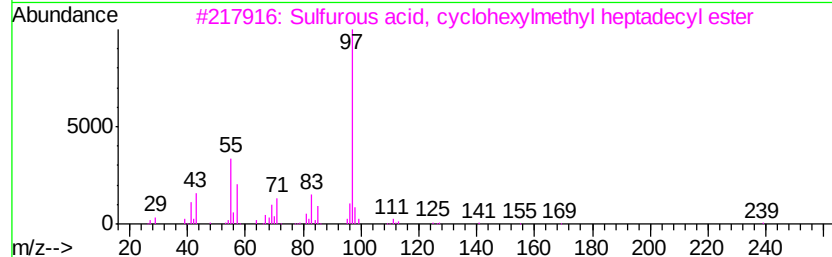
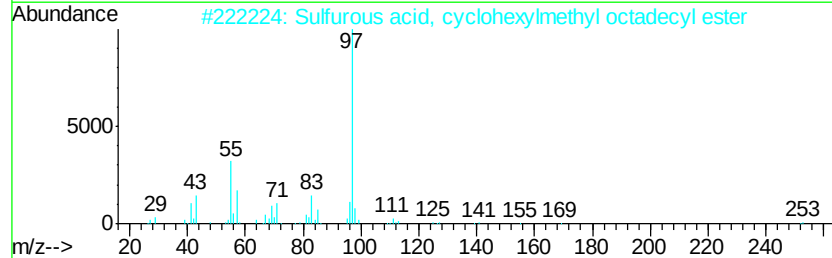
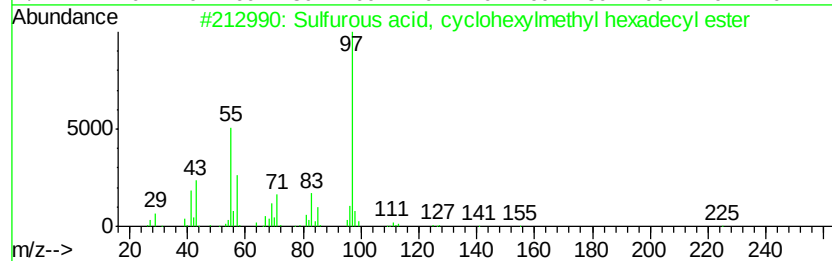
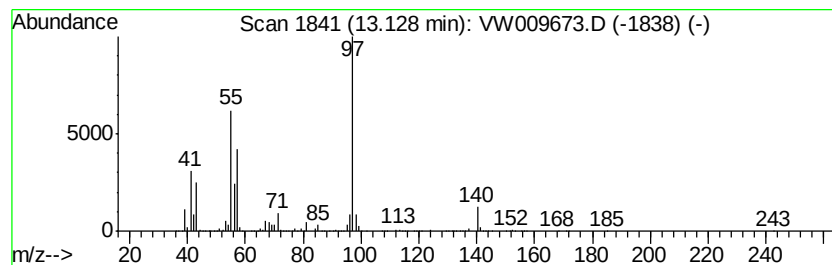
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 44 Sulfurous acid, cyclohexylm... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	51.90 ug/L	19263700	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
2		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	59
3		Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	59
4		Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	53
5		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

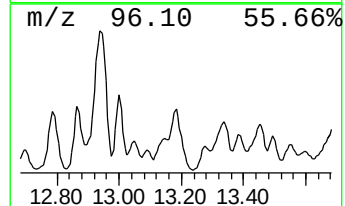
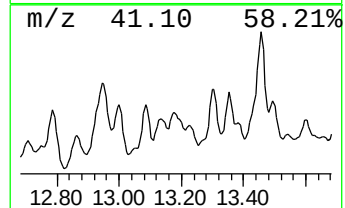
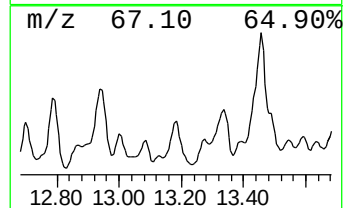
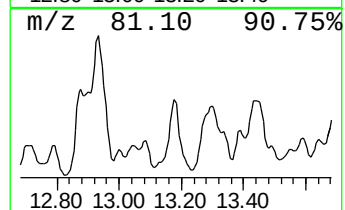
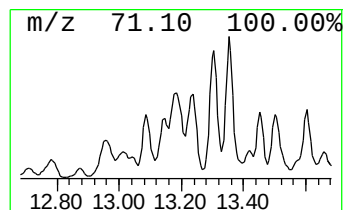
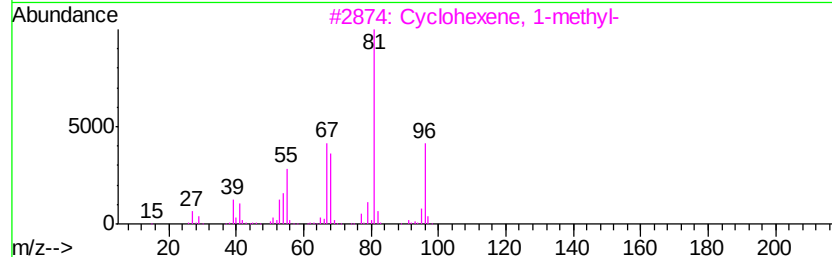
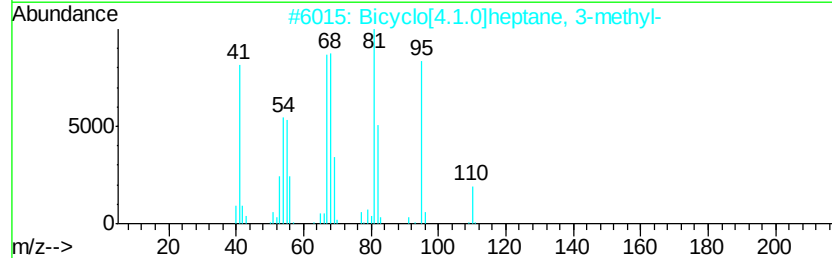
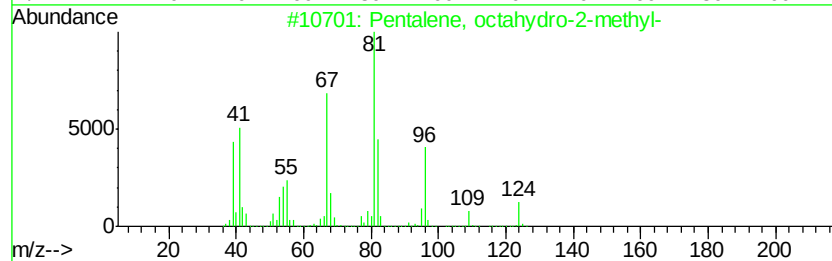
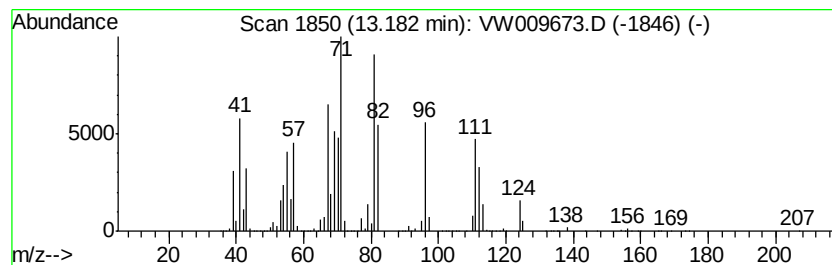
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 45 Pentalene, octahydro-2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	49.92 ug/L	18528400	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentalene, octahydro-2-methyl-	124 C9H16	003868-64-2 56
2		Bicyclo[4.1.0]heptane, 3-methyl-	110 C8H14	041977-47-3 38
3		Cyclohexene, 1-methyl-	96 C7H12	000591-49-1 25
4		Ethanone, 1-(2,2-dimethylcyclope...	140 C9H16O	003664-75-3 22
5		Cyclohexene, 3-methyl-	96 C7H12	000591-48-0 18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

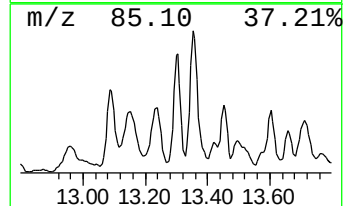
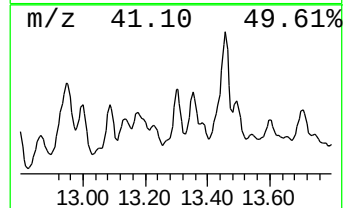
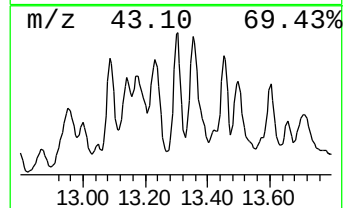
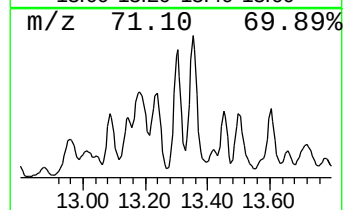
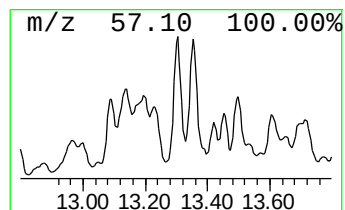
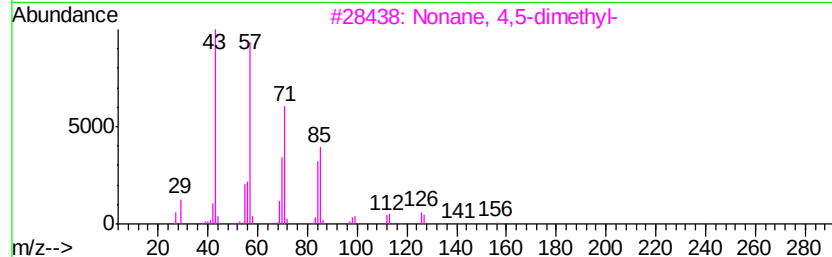
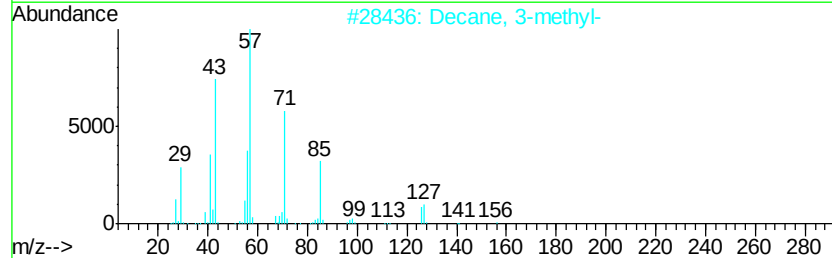
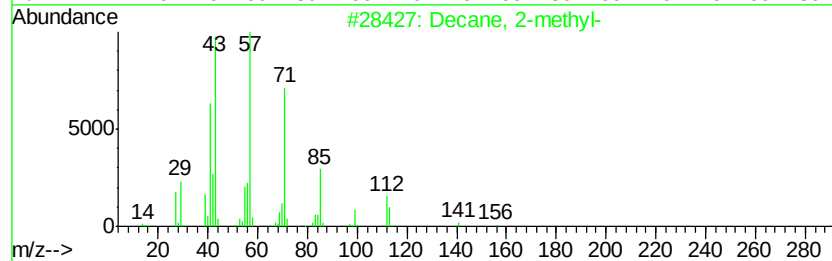
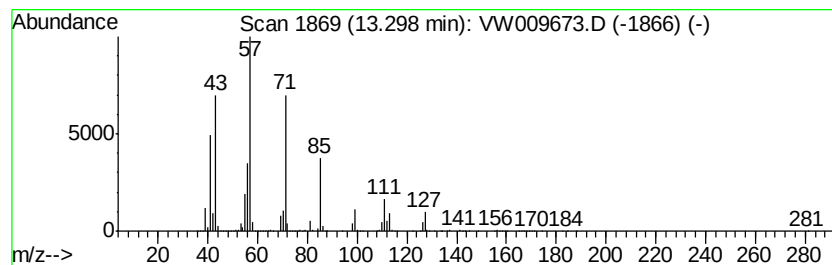
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	70.26 ug/L	26077900	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	72
2		Decane, 3-methyl-	156	C11H24	013151-34-3	70
3		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

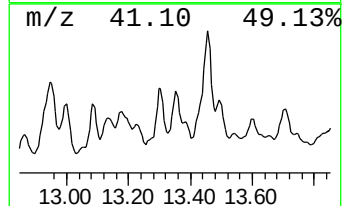
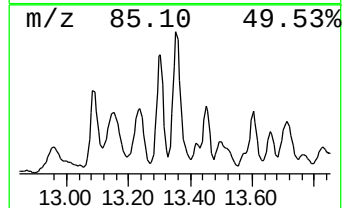
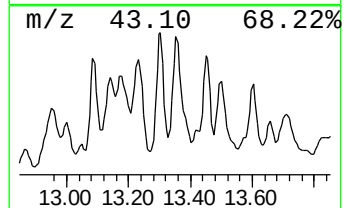
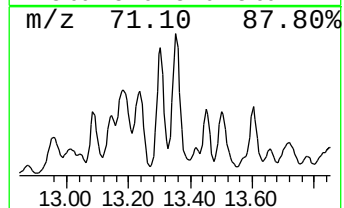
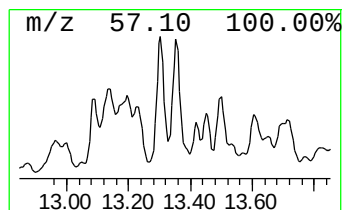
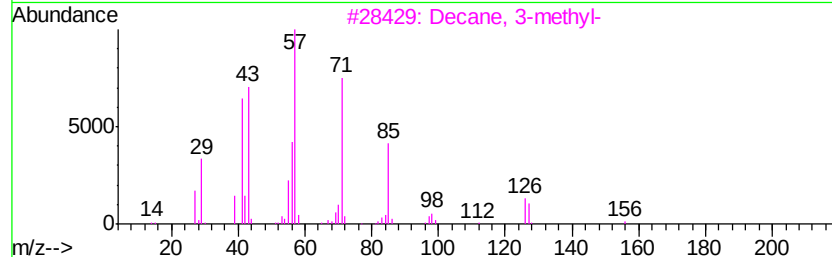
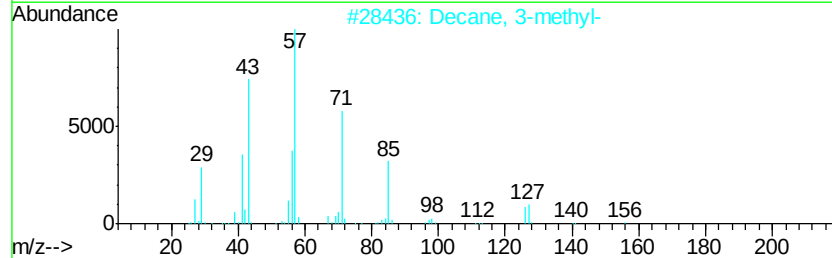
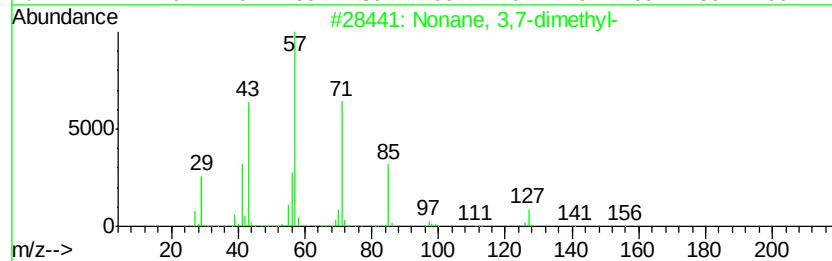
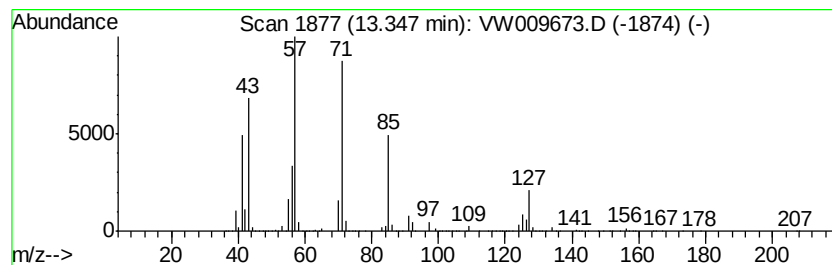
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	64.34 ug/L	23882000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	91
2		Decane, 3-methyl-	156	C11H24	013151-34-3	78
3		Decane, 3-methyl-	156	C11H24	013151-34-3	68
4		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	59
5		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

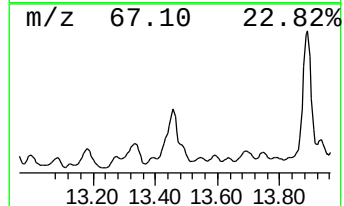
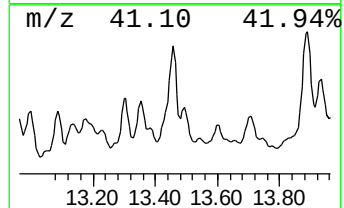
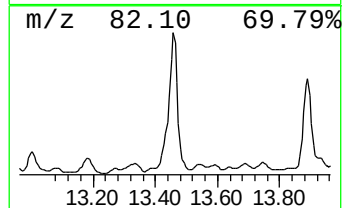
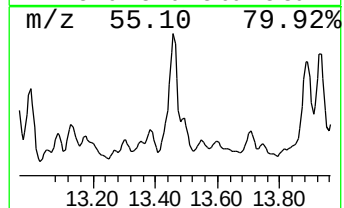
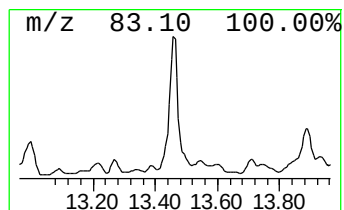
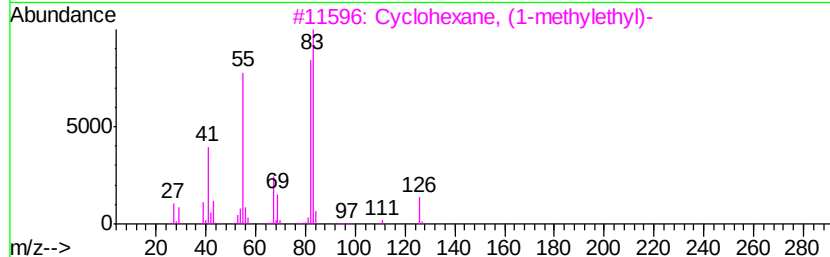
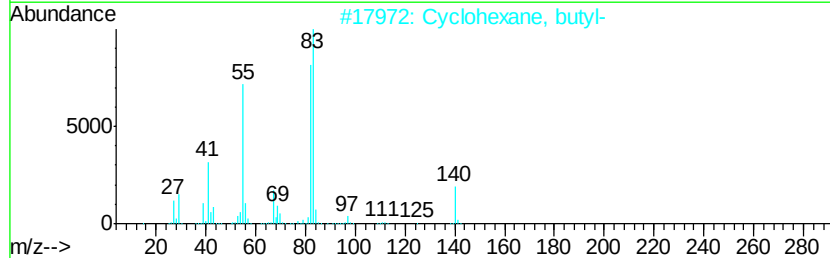
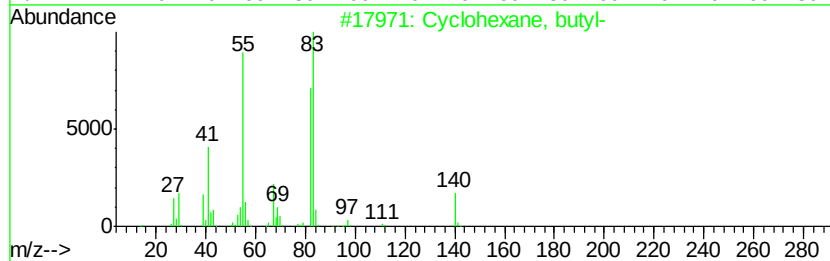
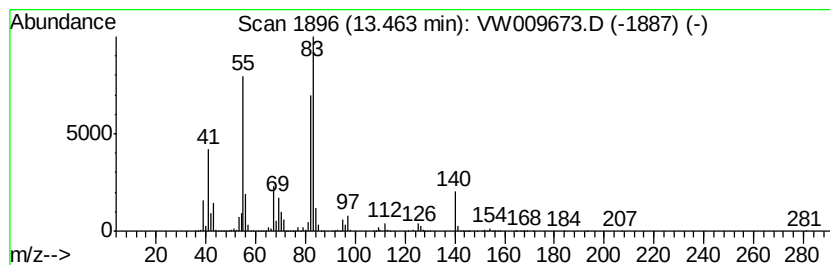
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Cyclic13.46 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	261.21 ug/L	96956800	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	80
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

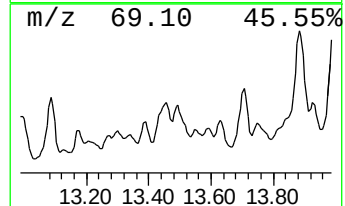
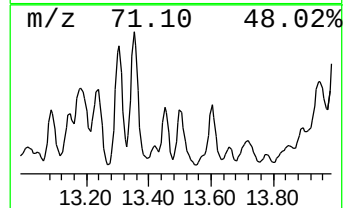
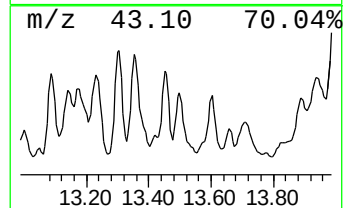
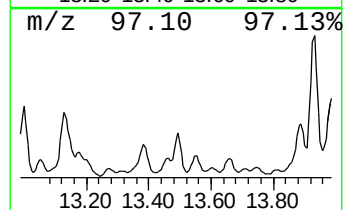
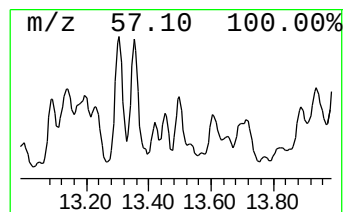
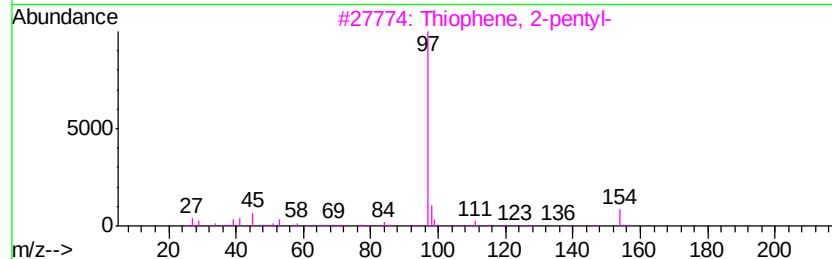
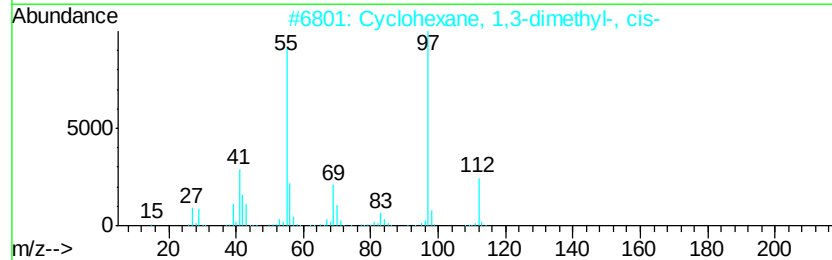
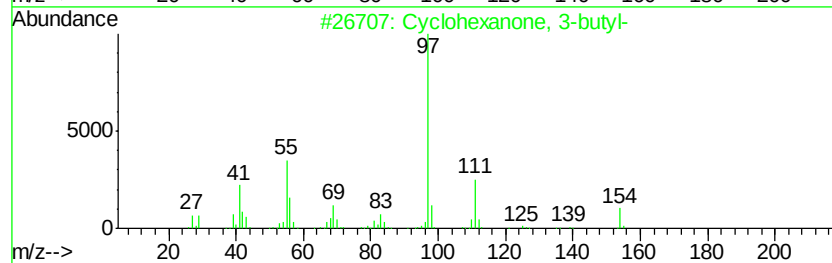
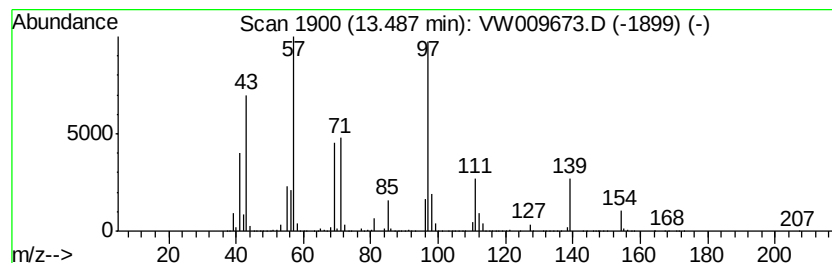
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 49 unknown-03 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	58.92 ug/L	21869100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	38
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	35
3		Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	35
4		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	27
5		Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

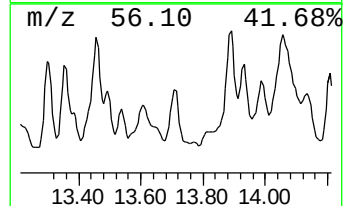
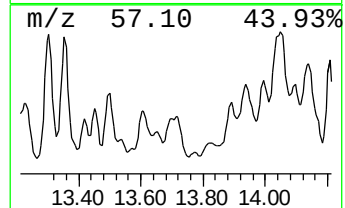
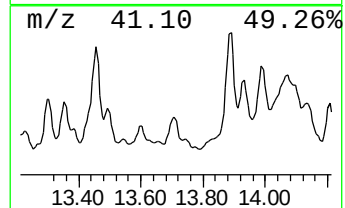
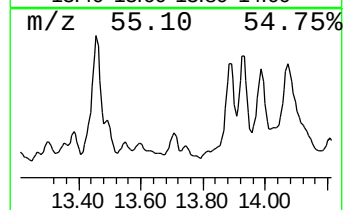
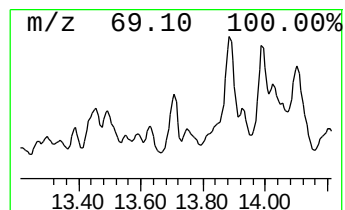
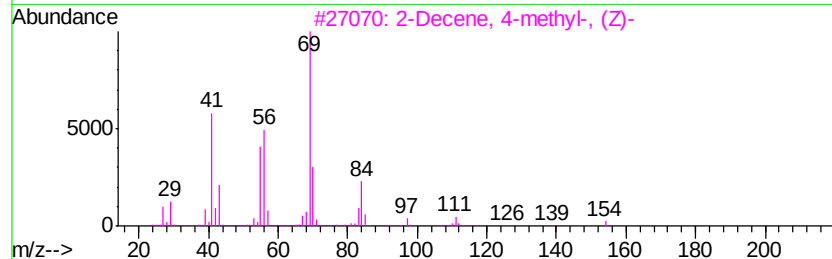
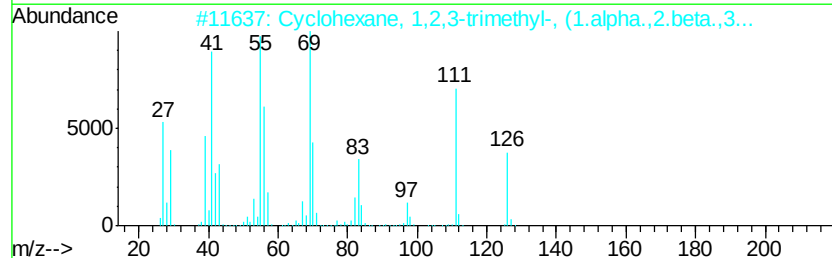
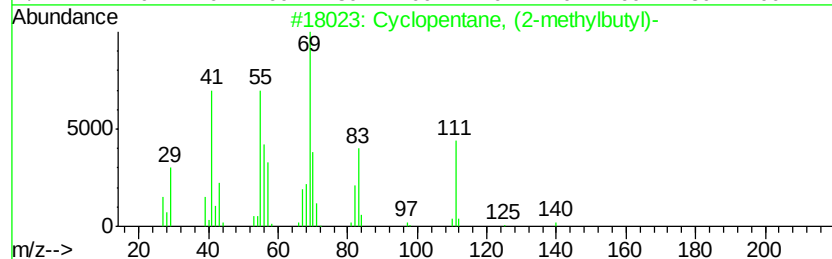
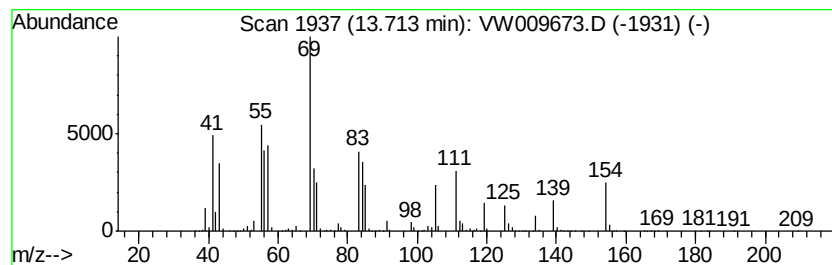
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic13.71 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	69.60 ug/L	25834800	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	64
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
3		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	59
4		4-Octene, 2,3,7-trimethyl-, [S-(...]	154	C11H22	052763-13-0	59
5		5-Undecene, (E)-	154	C11H22	000764-97-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

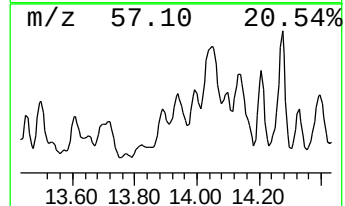
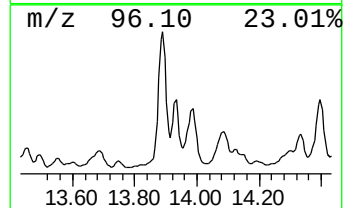
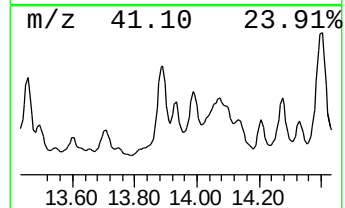
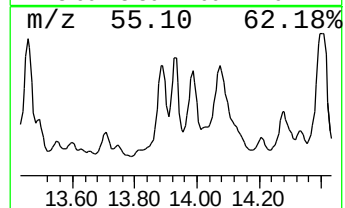
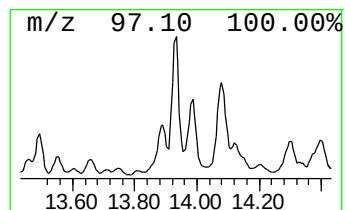
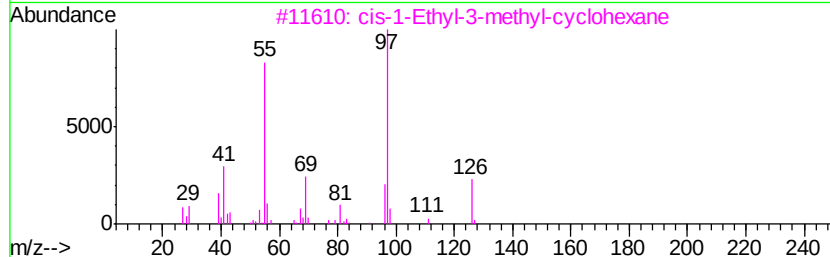
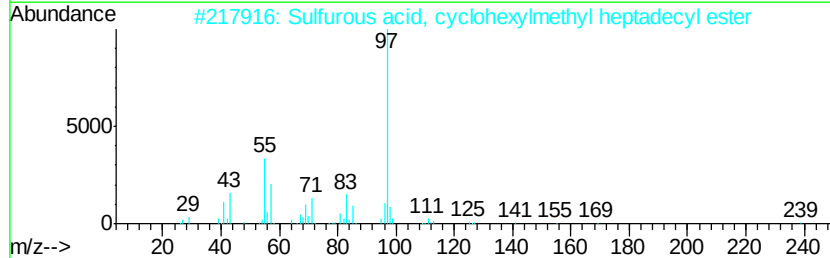
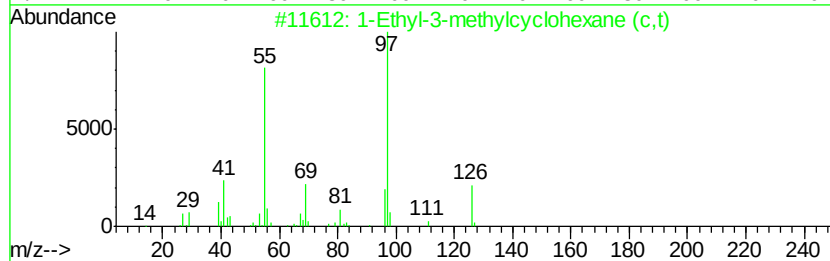
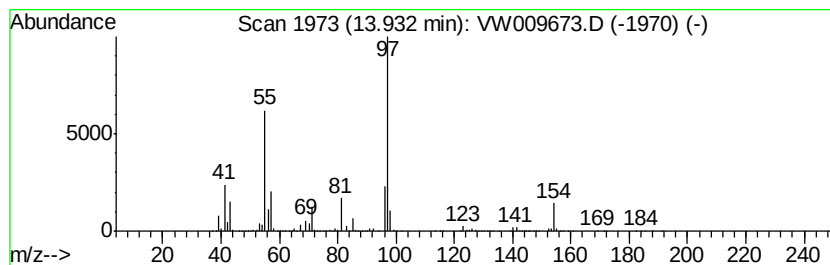
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Cyclic13.93 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	99.21 ug/L	36824400	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Ethyl-3-methylcyclohexane (c,t)	126 C9H18	003728-55-0 64
2		Sulfurous acid, cyclohexylmethyl...	416 C24H48O3S	1000309-22-5 64
3		cis-1-Ethyl-3-methyl-cyclohexane	126 C9H18	019489-10-2 64
4		Ethanone, 1-(1-methylcyclohexyl)-	140 C9H16O	002890-62-2 64
5		Cyclohexane, 1-bromo-2-methyl-	176 C7H13Br	006294-39-9 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

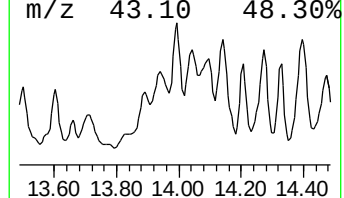
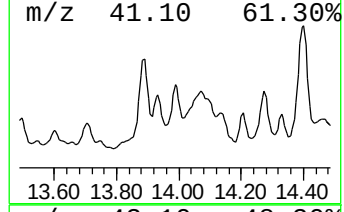
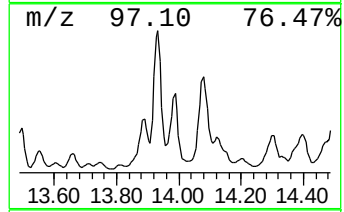
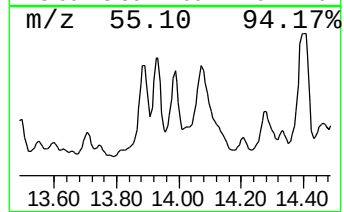
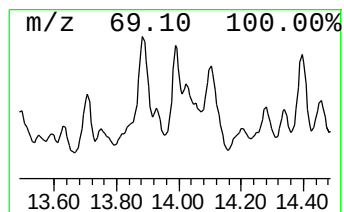
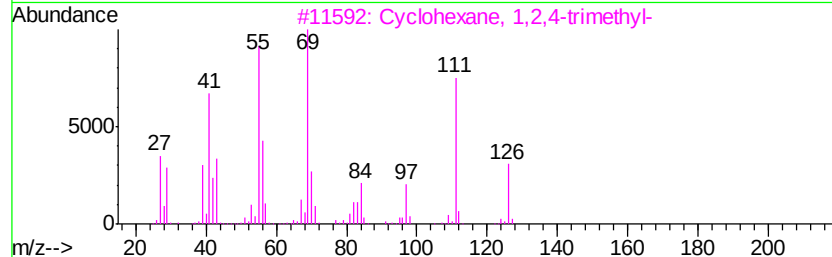
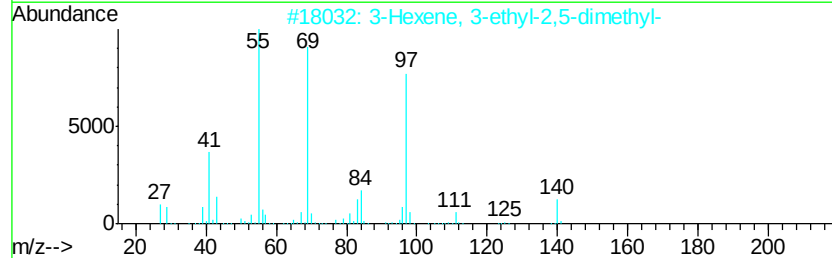
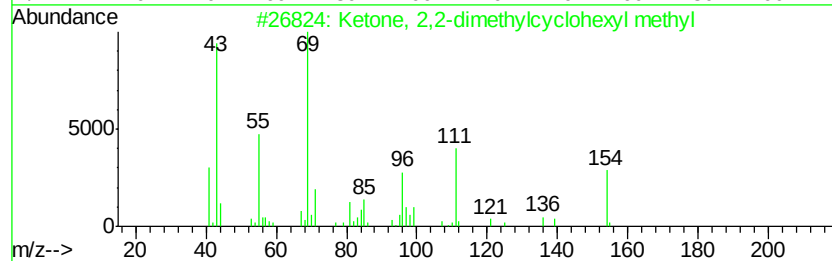
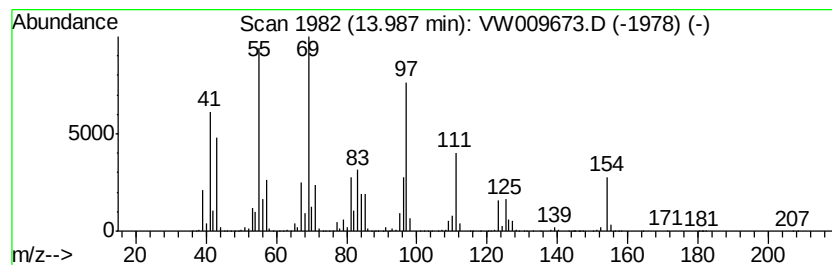
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 52 Ketone, 2,2-dimethylcyclohe... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.99	132.70 ug/L	49256600	1,4-Dichlorobenzene-d4	13.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	58
2	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	47
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	41
4	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	38
5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

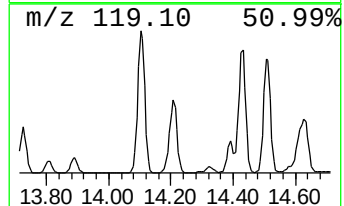
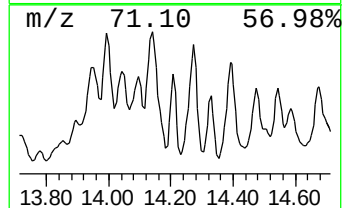
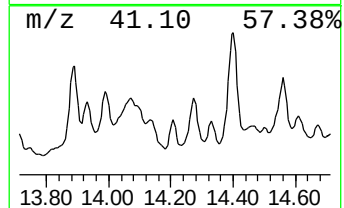
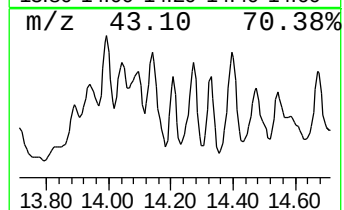
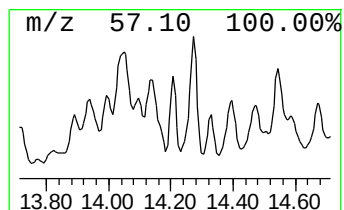
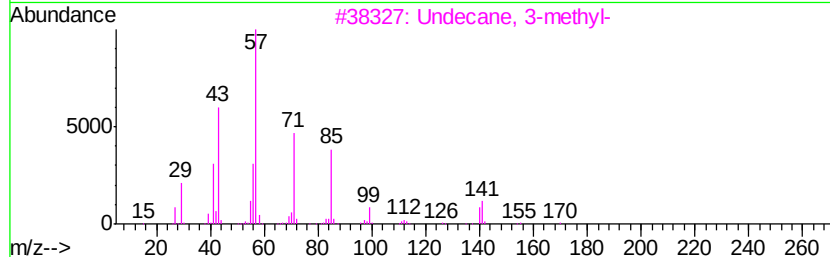
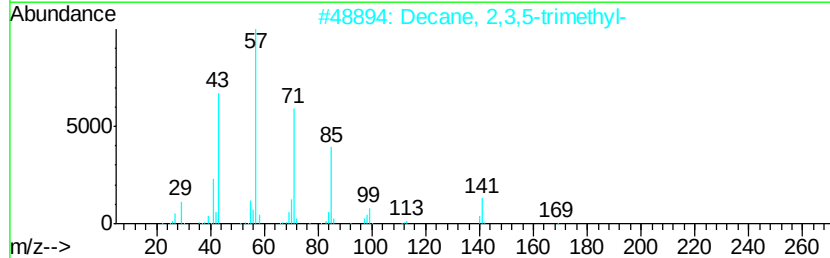
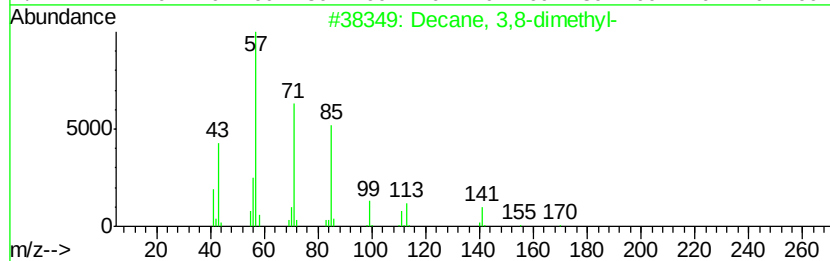
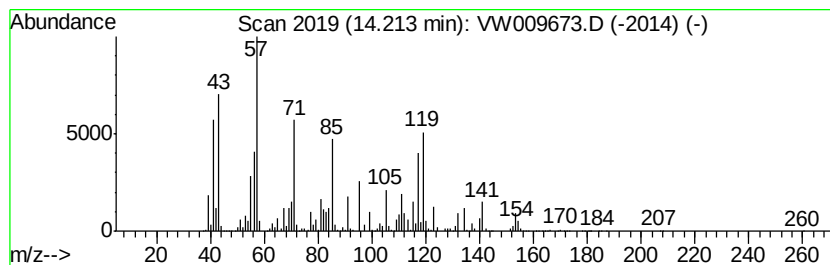
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	96.73 ug/L	35905800	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	41
4		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	38
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

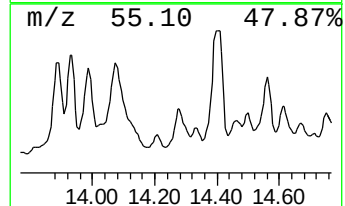
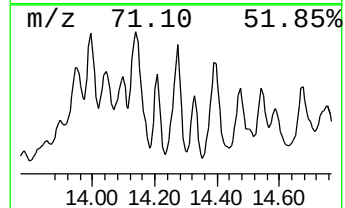
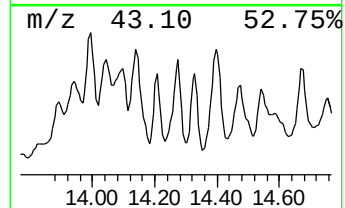
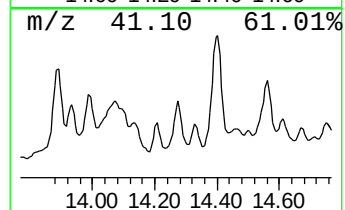
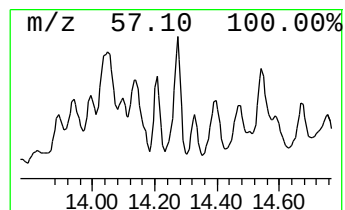
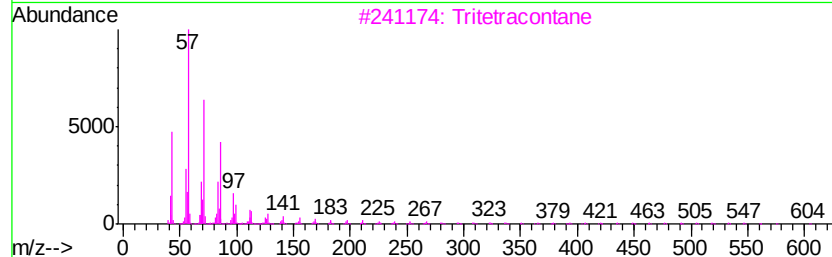
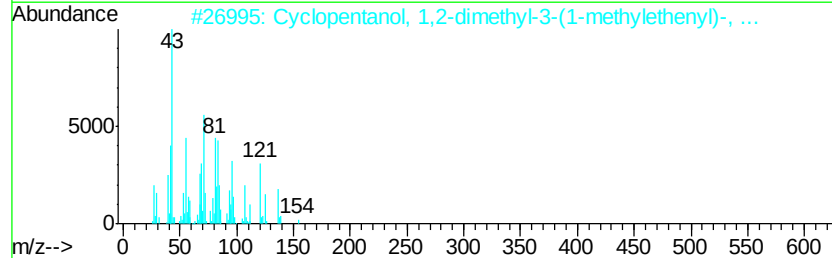
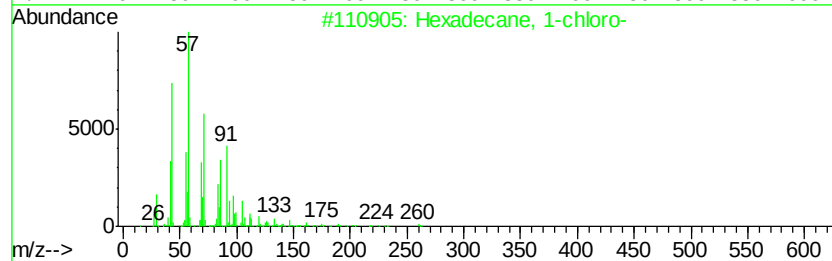
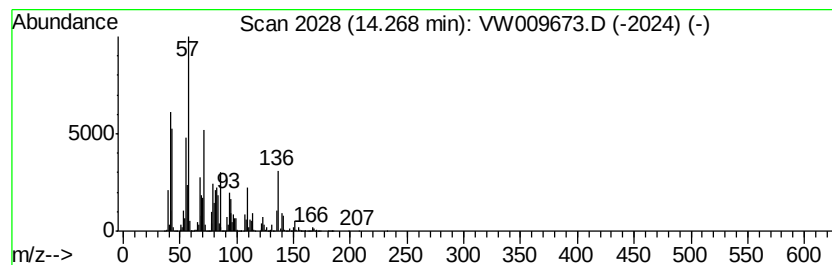
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 54 unknown-04 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	175.34 ug/L	65084200	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	47
2		Cyclopentanol, 1,2-dimethyl-3-(1...	154	C10H18O	004028-60-8	43
3		Tritetracontane	605	C43H88	007098-21-7	38
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	35
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

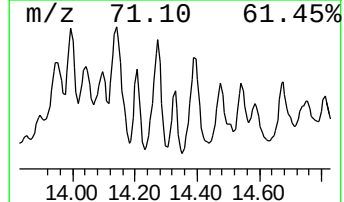
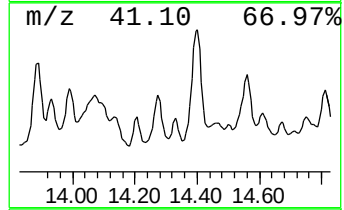
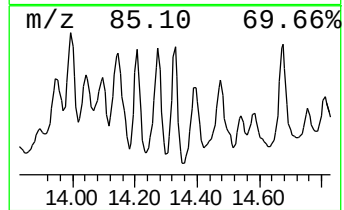
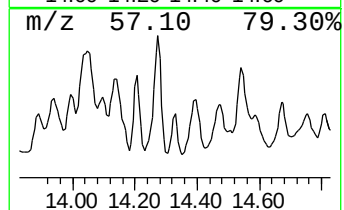
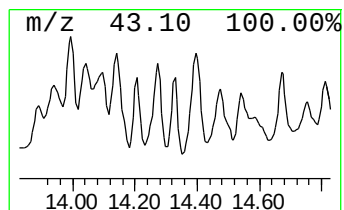
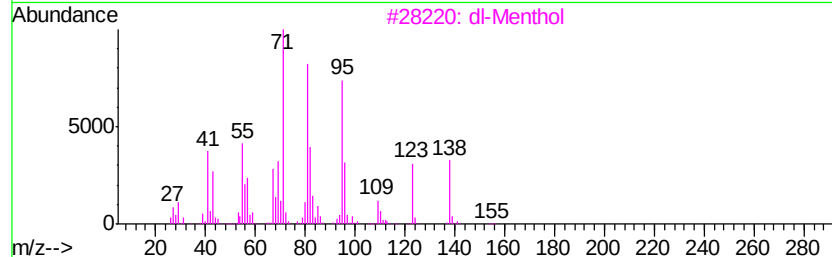
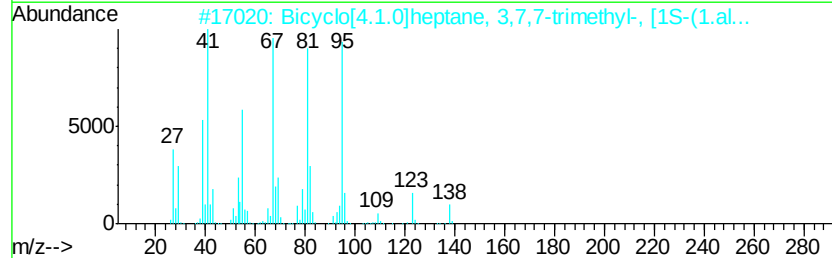
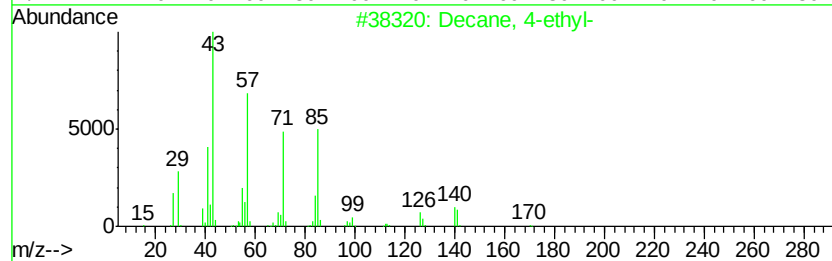
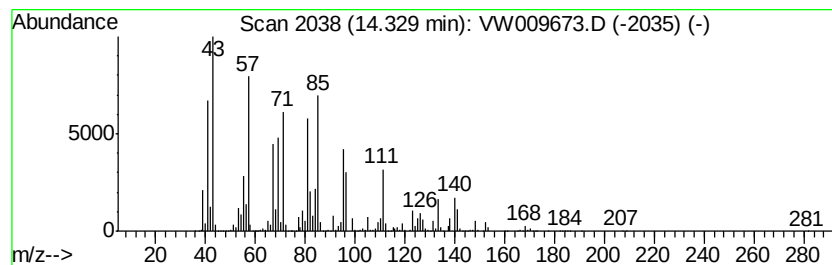
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	79.98 ug/L	29687800	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-ethyl-	170	C12H26	001636-44-8	84
2		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	35
3		dl-Menthol	156	C10H20O	000089-78-1	27
4		Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	27
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

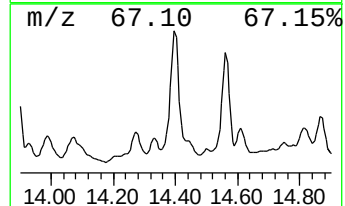
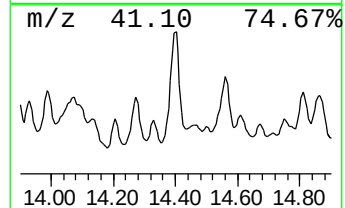
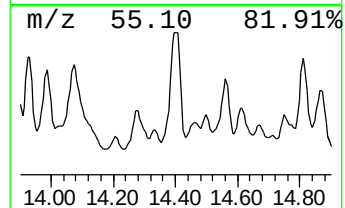
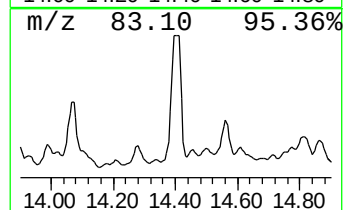
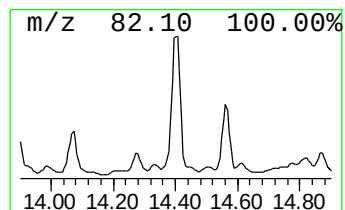
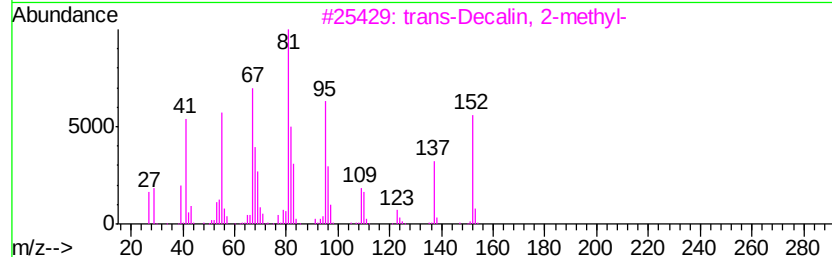
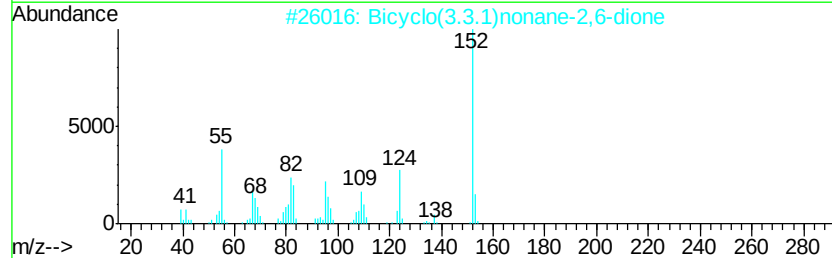
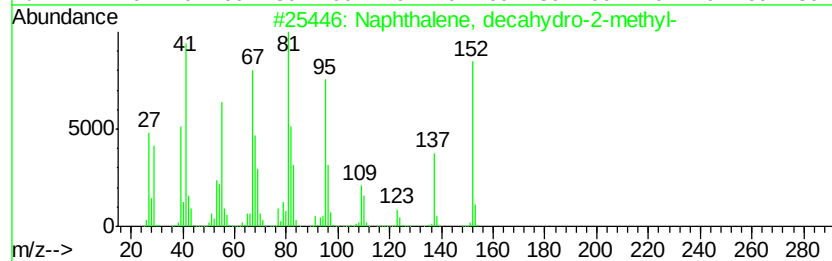
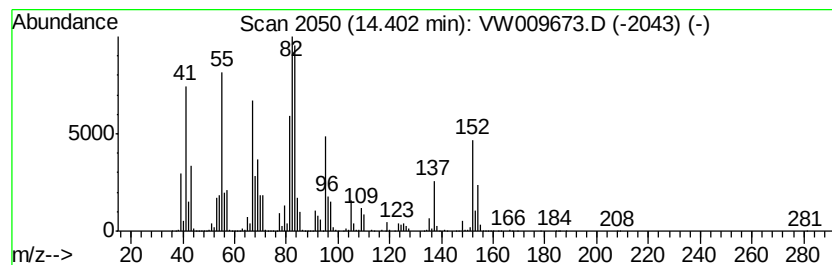
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 56 Naphthalene, decahydro-2-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	651.84 ug/L	241953000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2		Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	76
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	60
4		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	49
5		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

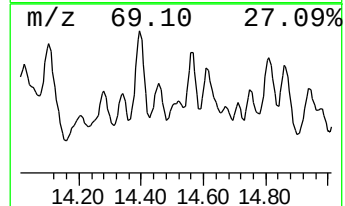
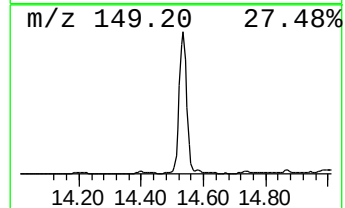
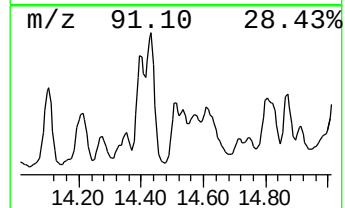
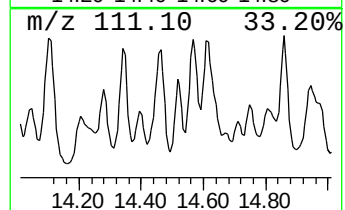
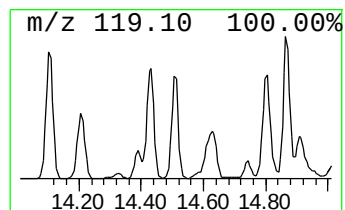
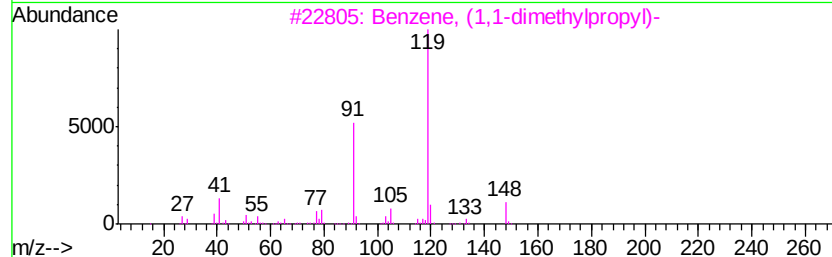
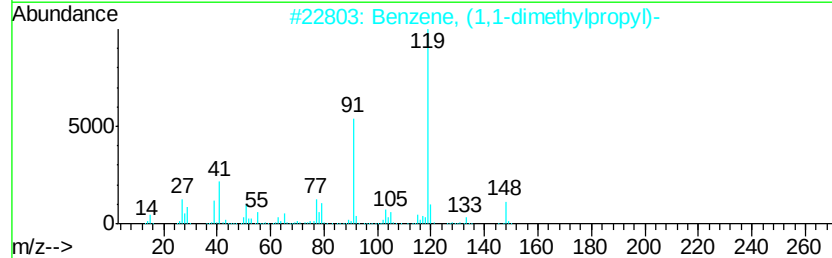
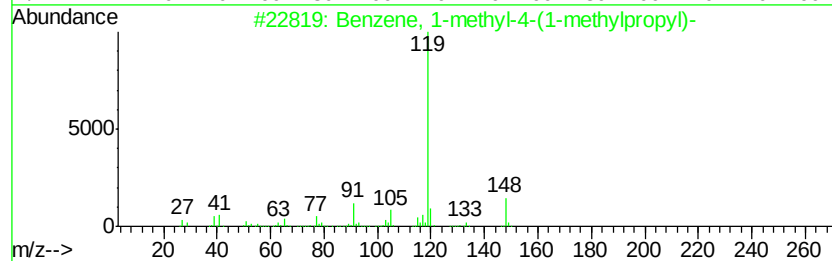
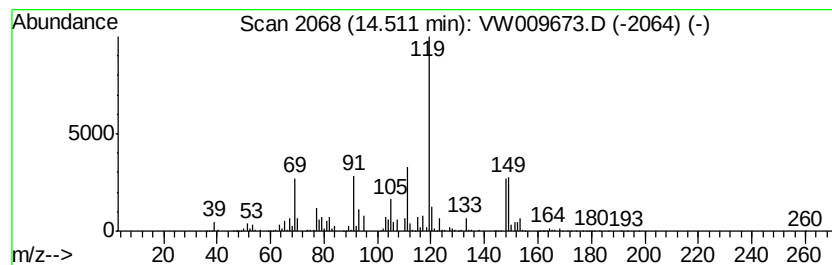
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 57 Benzene, 1-methyl-4-(1-meth... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	50.66 ug/L	18806100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	70
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	62
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
4		4'-Methylpropiophenone	148	C10H12O	005337-93-9	58
5		4'-Methylpropiophenone	148	C10H12O	005337-93-9	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

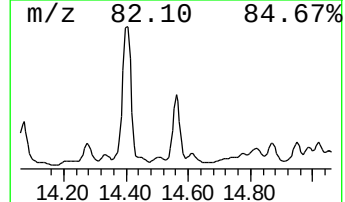
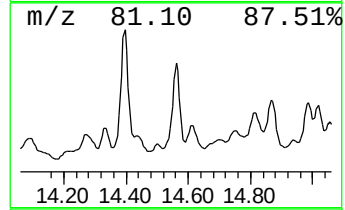
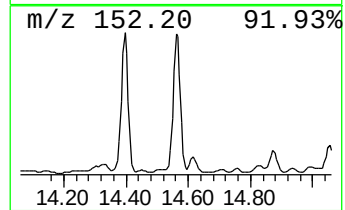
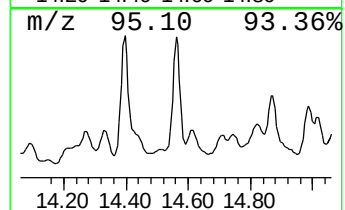
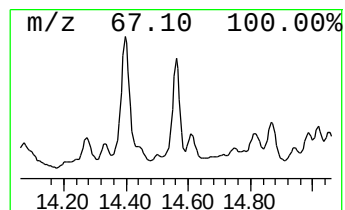
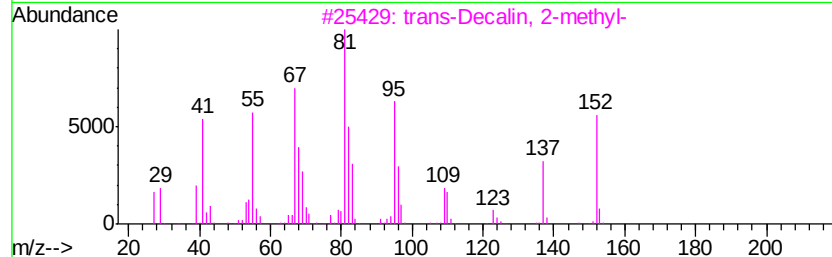
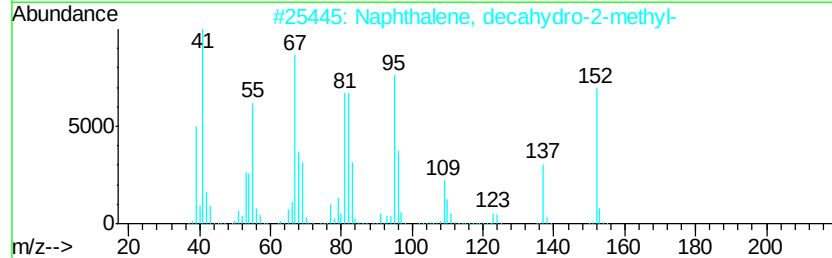
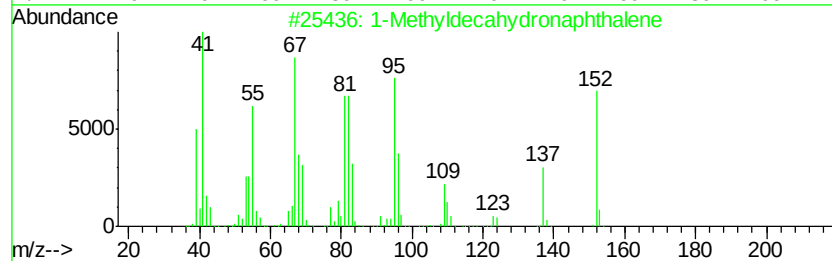
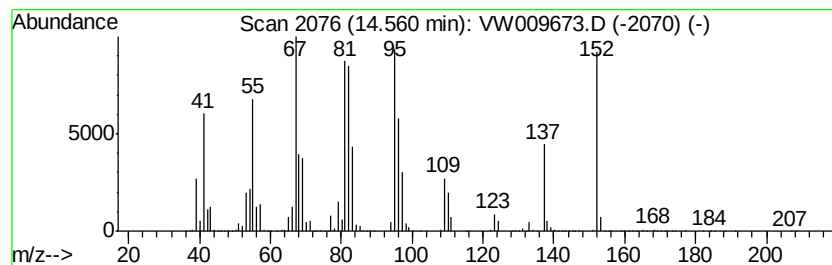
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 58 1-Methyldecahydronaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	331.76 ug/L	123145000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
5		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

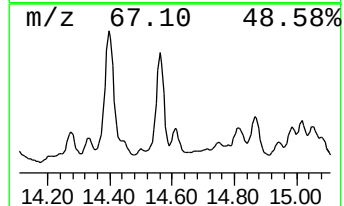
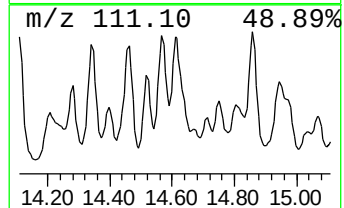
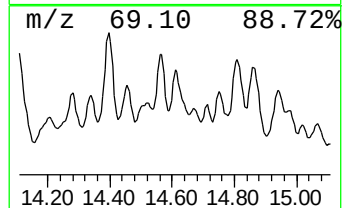
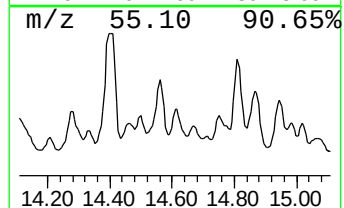
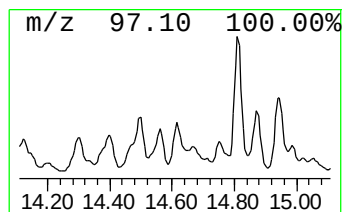
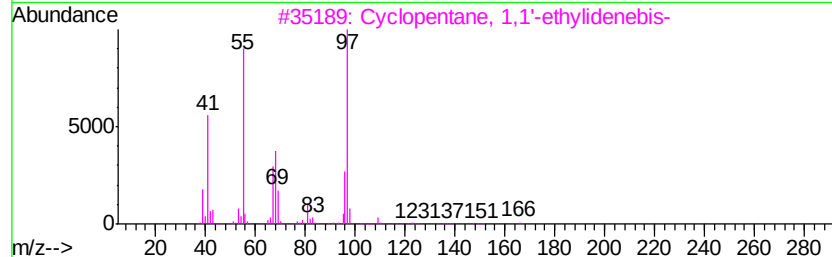
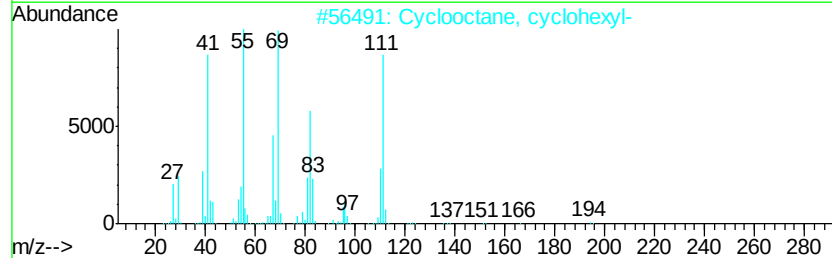
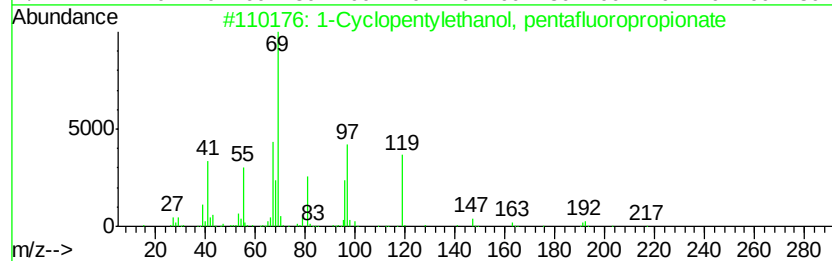
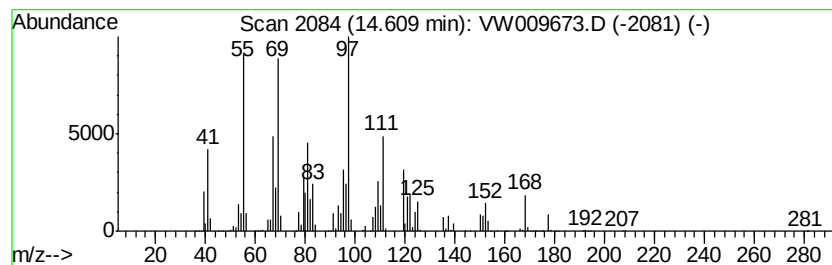
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 59 unknown-05 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	108.50 ug/L	40271800	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Cyclopentylethanol, pentafluor...	260	C10H13F5O2	1000364-12-0	38
2		Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	38
3		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	27
4		Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	27
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

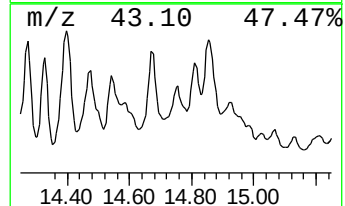
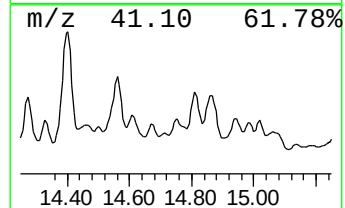
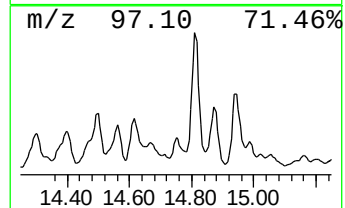
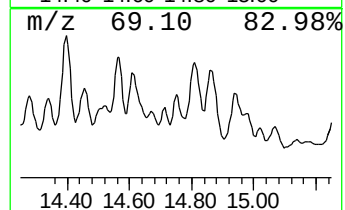
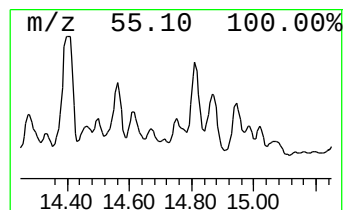
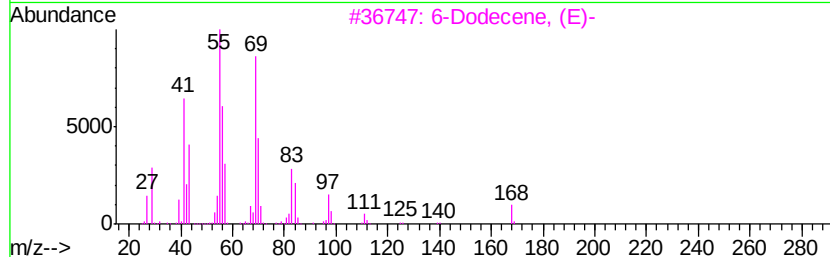
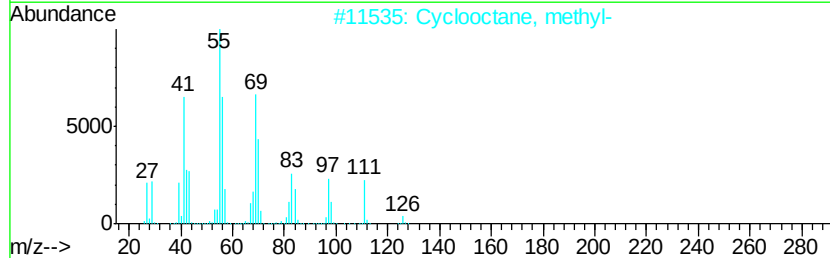
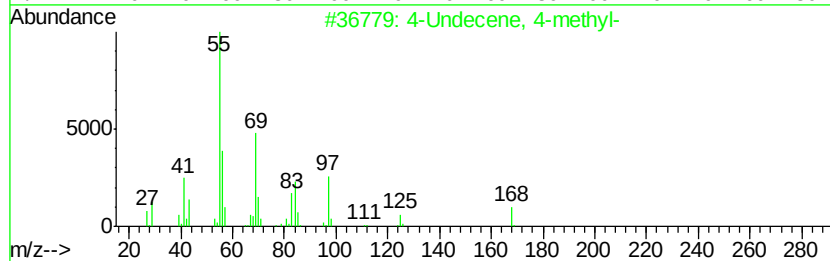
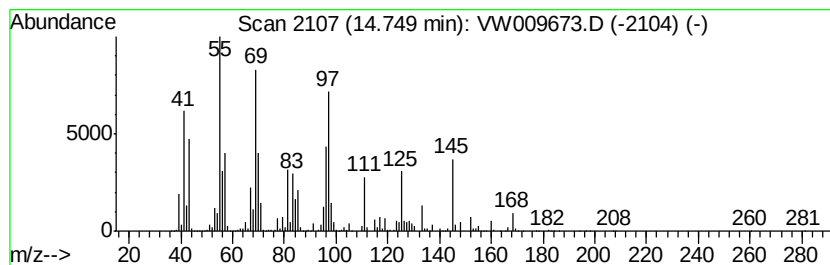
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Cyclic14.75 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	60.77 ug/L	22556400	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Undecene, 4-methyl-	168	C12H24	061142-40-3	49
2		Cyclooctane, methyl-	126	C9H18	001502-38-1	45
3		6-Dodecene, (E)-	168	C12H24	007206-17-9	43
4		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	30
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

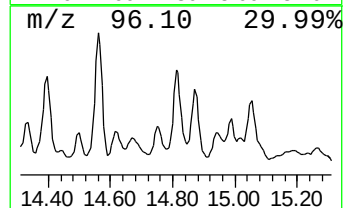
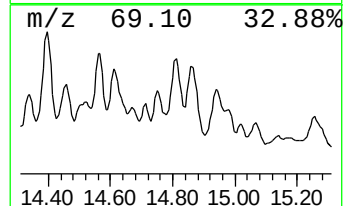
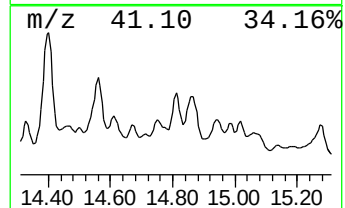
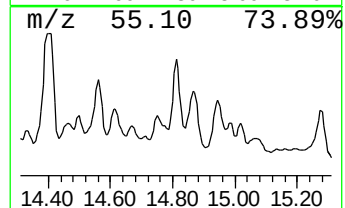
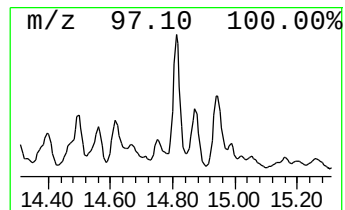
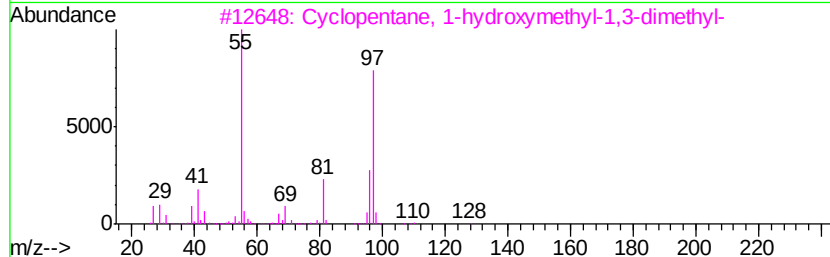
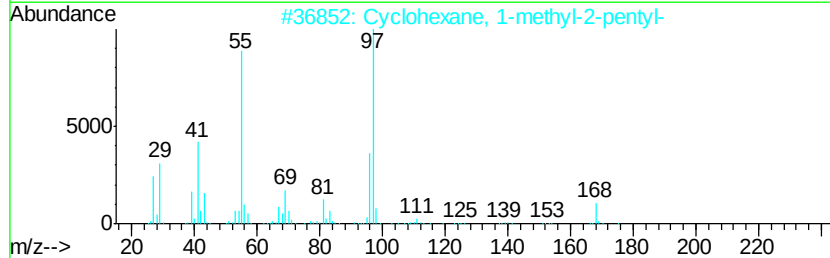
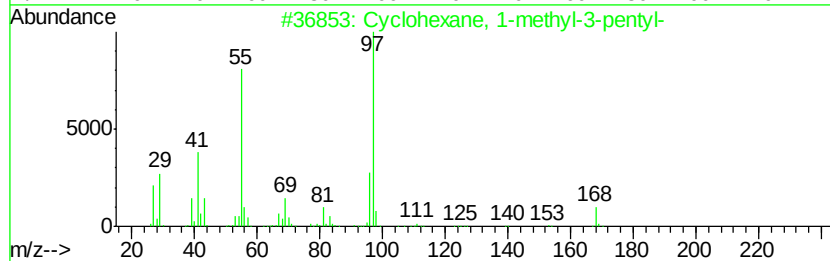
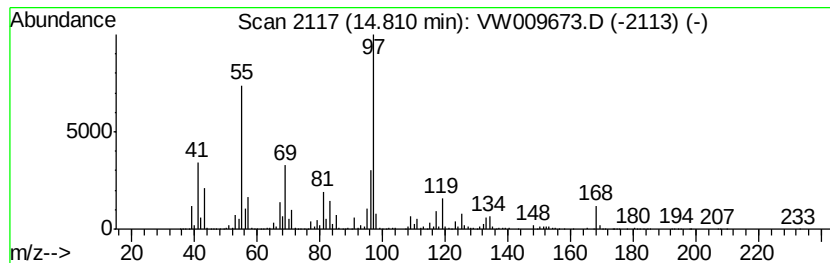
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Cyclic14.81 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	187.70 ug/L	69672000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	64
2		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64
3		Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	59
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
5		Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

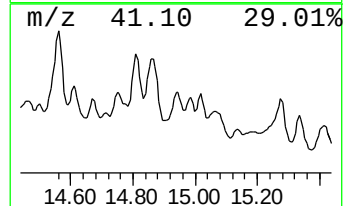
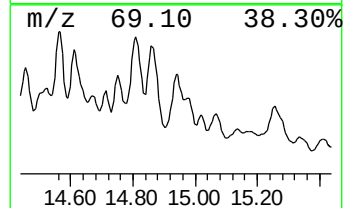
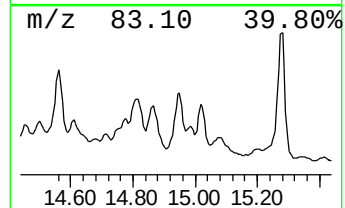
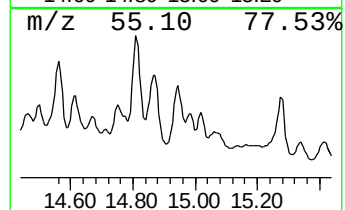
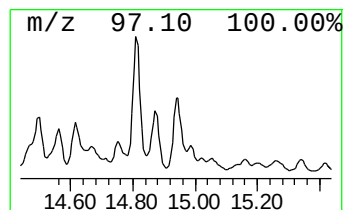
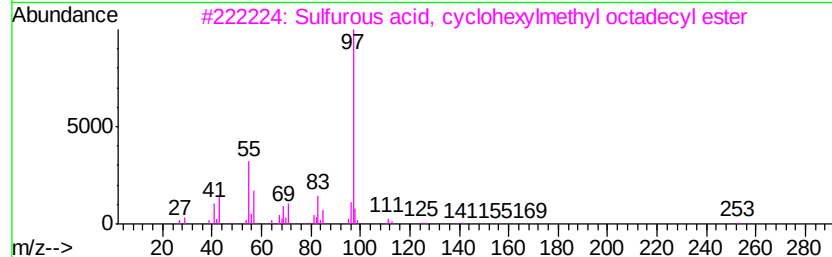
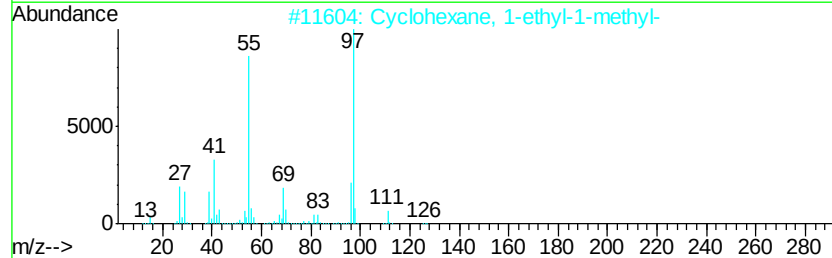
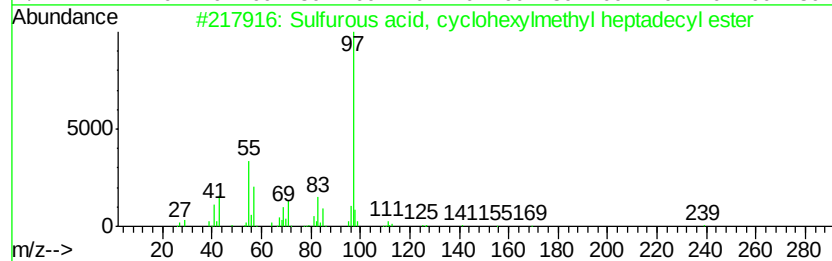
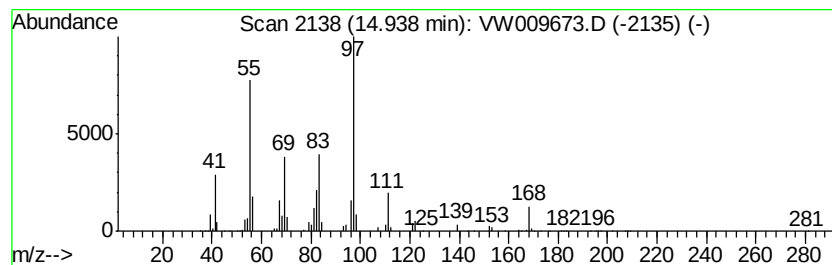
Instrument :
MSVOA_W
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 63 unknown-06 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.94	43.62 ug/L	16189700	1,4-Dichlorobenzene-d4	13.55		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	47
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43
3		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	43
4		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	43
5		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

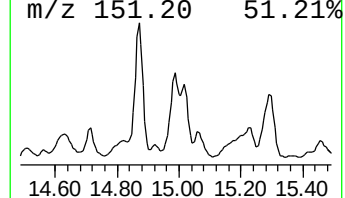
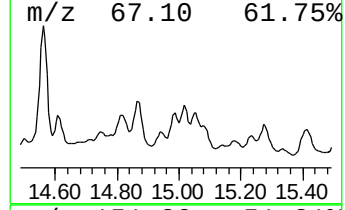
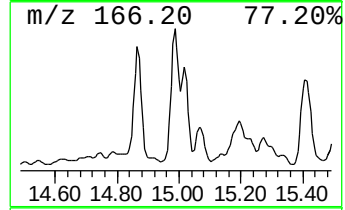
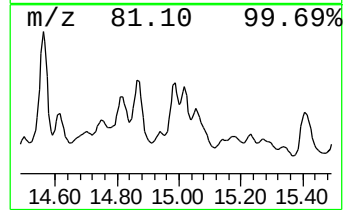
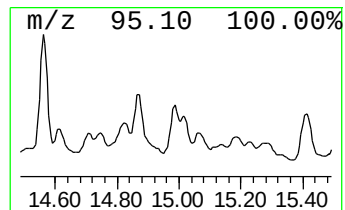
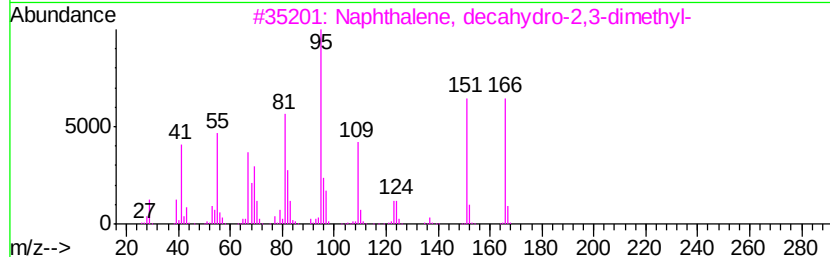
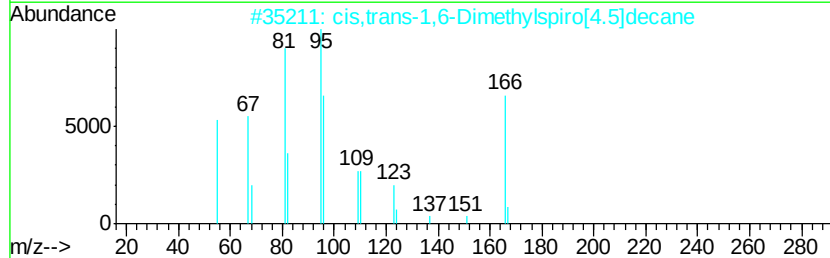
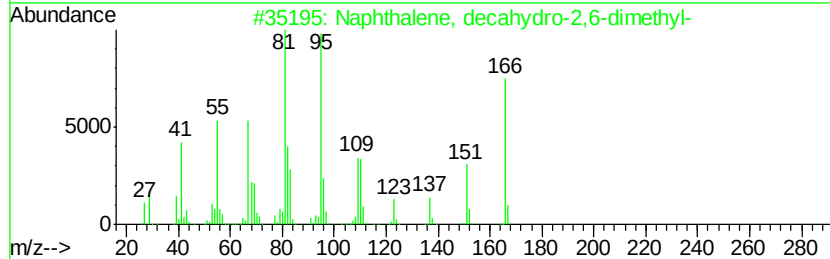
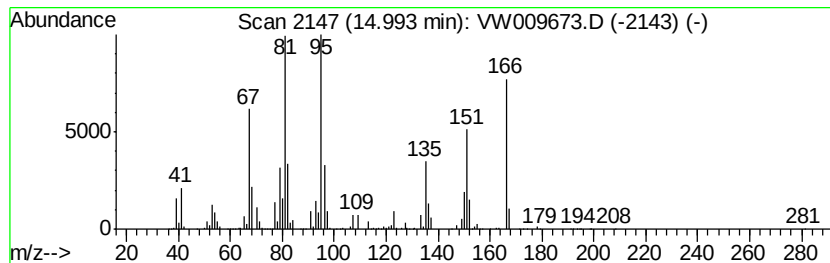
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 64 Naphthalene, decahydro-2,6-... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	43.70 ug/L	16220100	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	64
2		cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	53
3		Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	49
4		Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	47
5		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

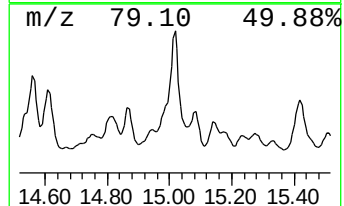
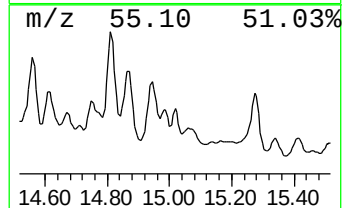
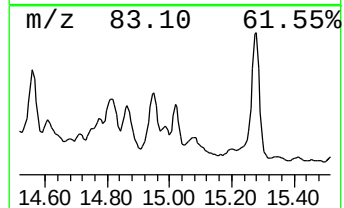
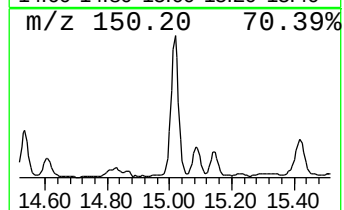
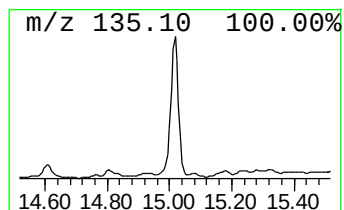
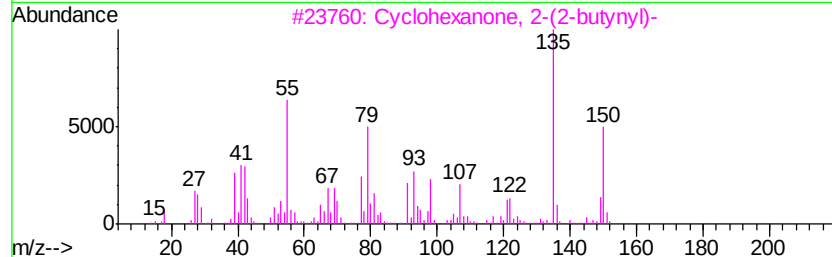
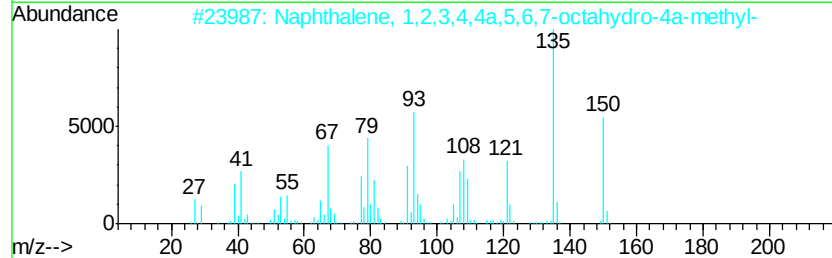
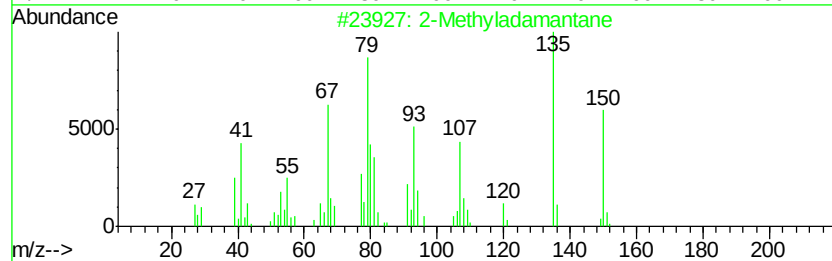
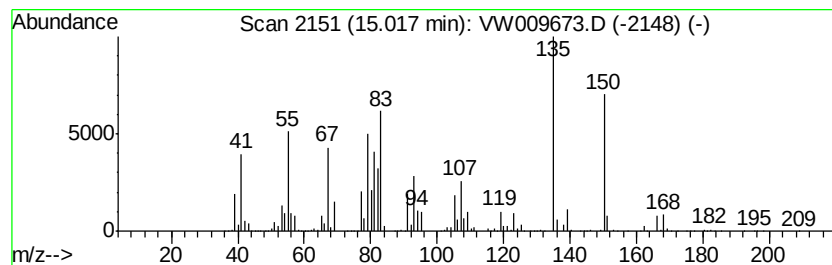
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 65 2-Methyladamantane Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	65.79 ug/L	24420400	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyladamantane	150	C11H18	000700-56-1	68
2		Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	64
3		Cyclohexanone, 2-(2-butylnyl)-	150	C10H14O	054166-48-2	49
4		7-Propyl-cis-bicyclo[3.2.0]hept-...	150	C10H14O	054396-45-1	43
5		Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

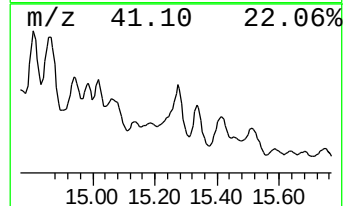
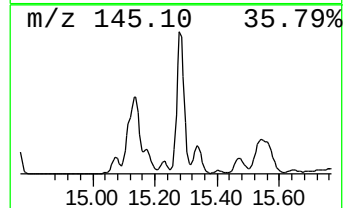
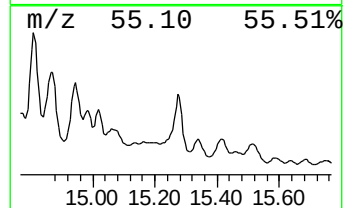
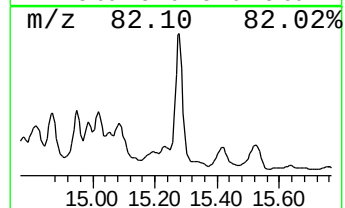
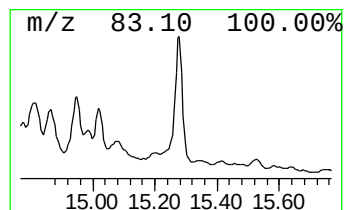
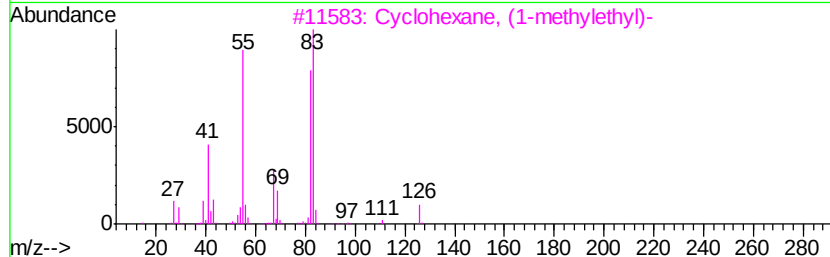
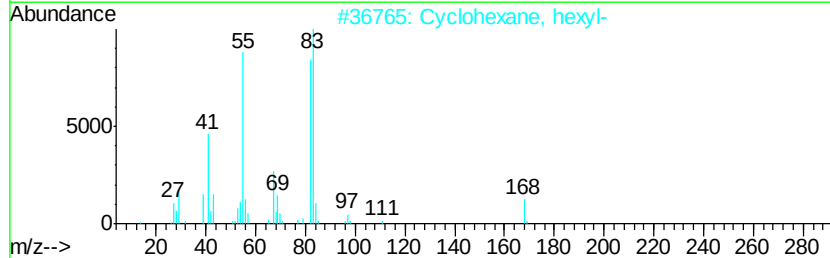
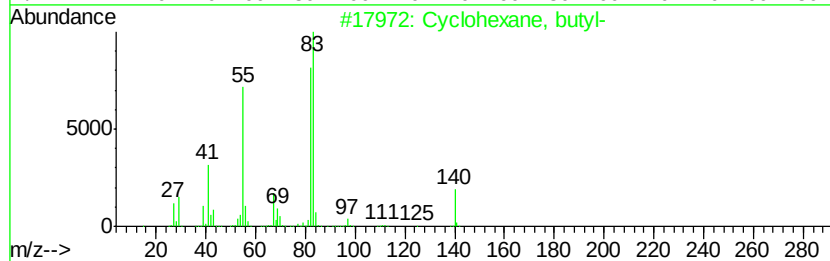
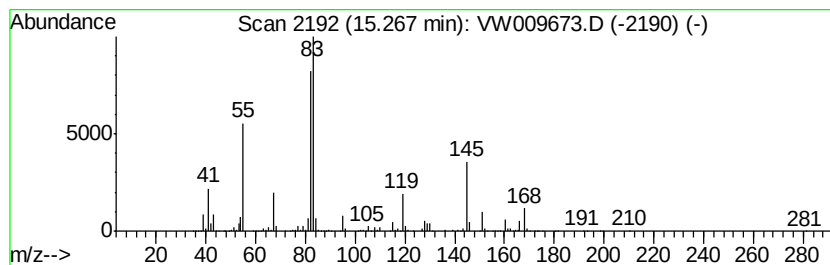
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 66 (DEL) Alkane: Cyclic15.27 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	118.03 ug/L	43812500	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

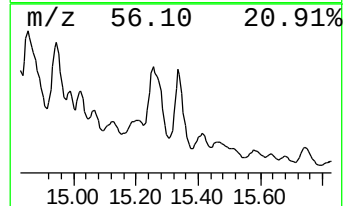
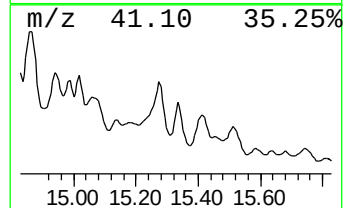
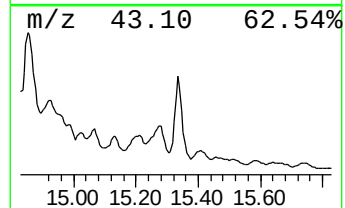
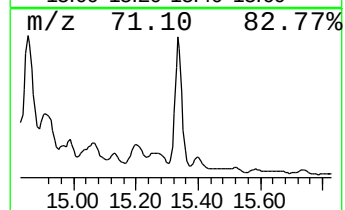
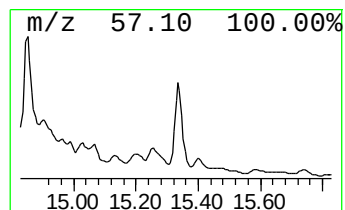
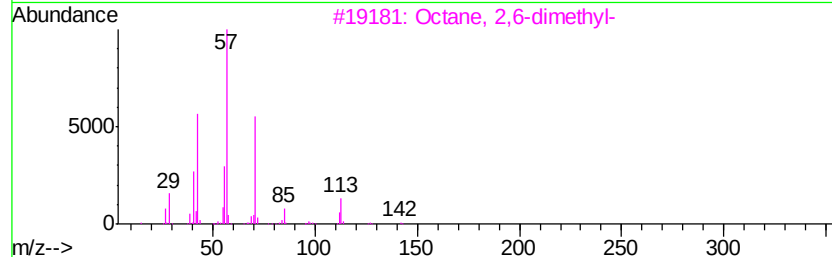
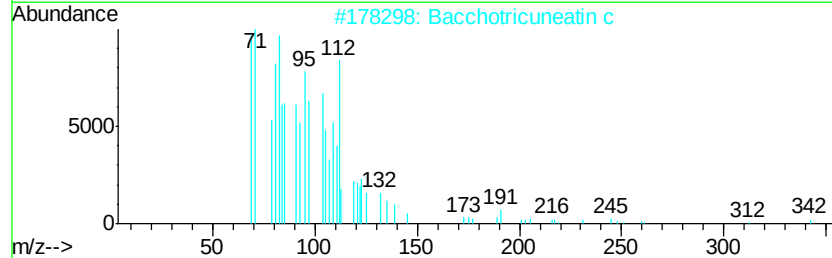
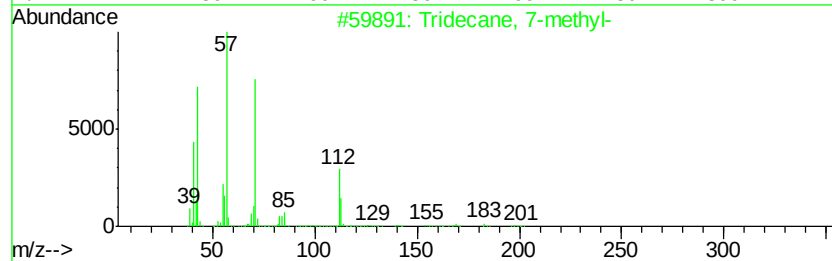
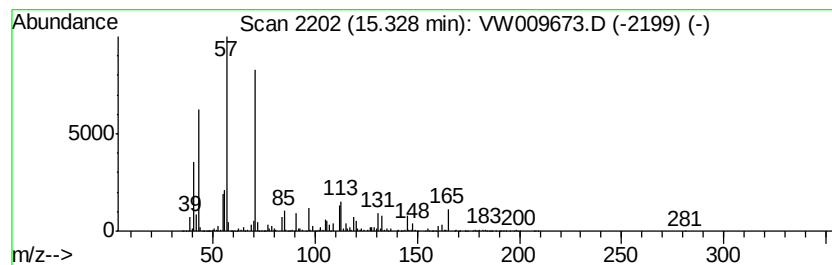
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	93.27 ug/L	34619600	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	59
5		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BF5F8

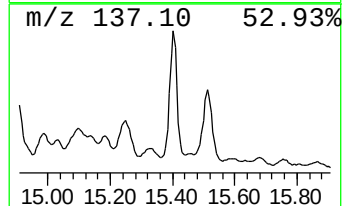
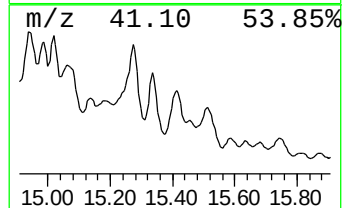
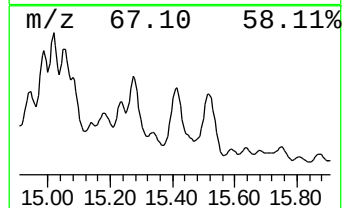
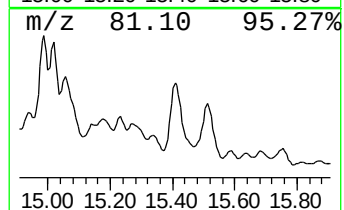
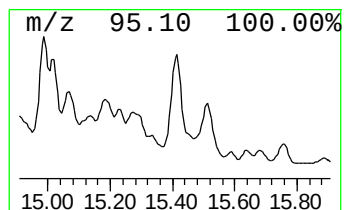
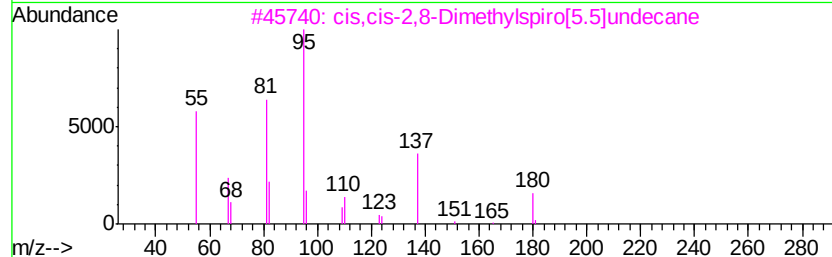
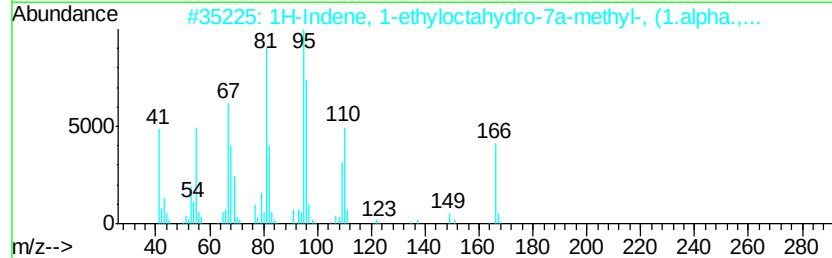
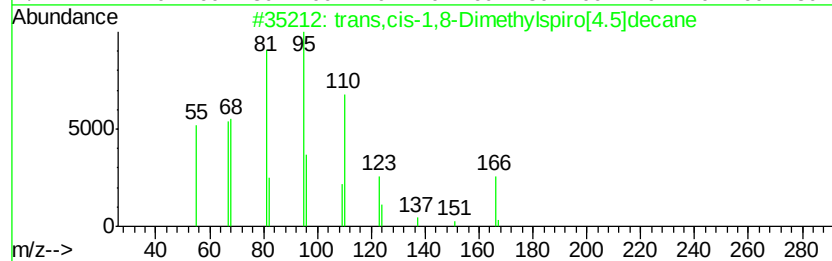
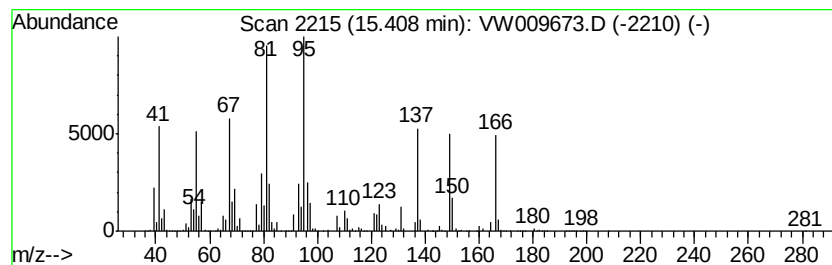
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 68 trans,cis-1,8-Dimethylspiro... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	111.91 ug/L	41538200	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	64
2			1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	49
3			cis,cis-2,8-Dimethylspiro[5.5]un...	180	C13H24	095530-75-9	43
4			cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	38
5			Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

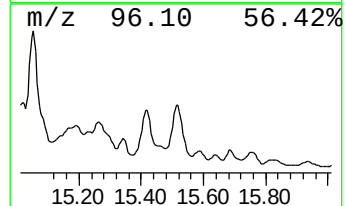
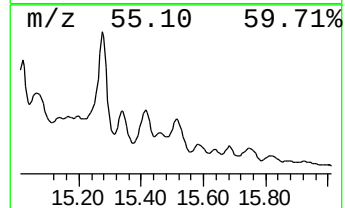
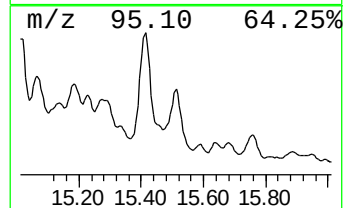
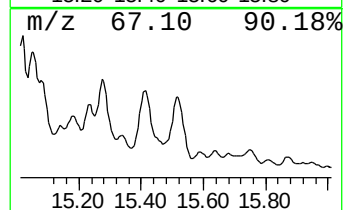
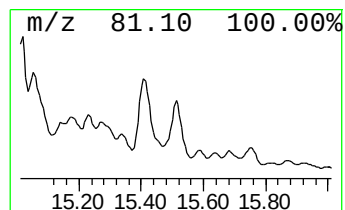
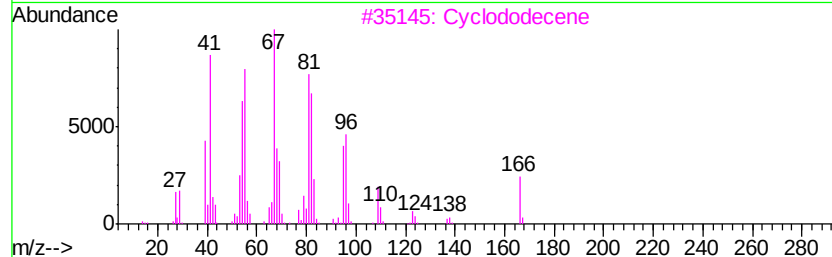
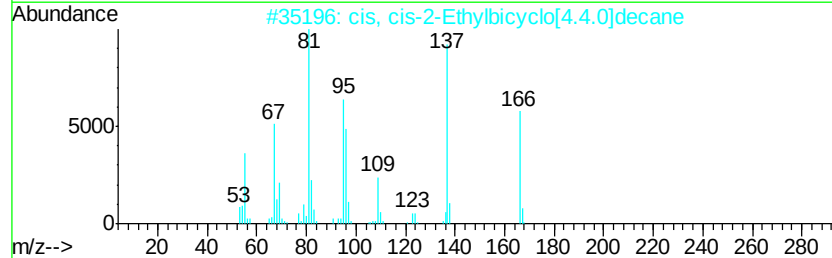
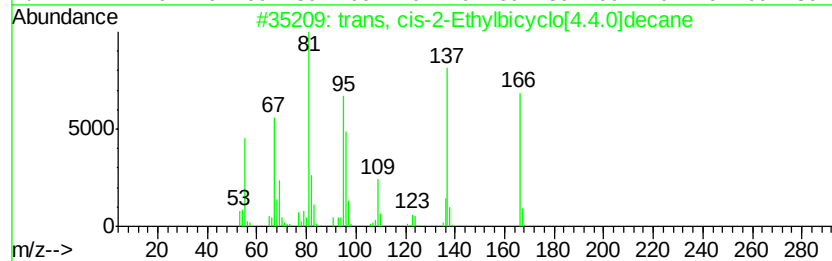
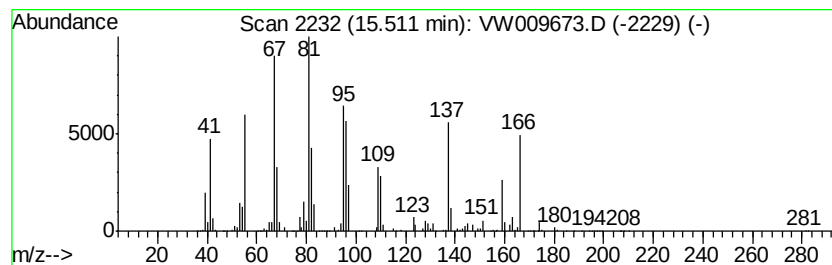
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 69 trans, cis-2-Ethylbicyclo[4... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	95.66 ug/L	35506600	1,4-Dichlorobenzene-d4	13.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	87		
2	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	80		
3	Cyclododecene	166	C12H22	001501-82-2	68		
4	trans,trans-3-Ethylbicyclo[4.4.0]...	166	C12H22	058462-32-1	64		
5	endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	64		



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

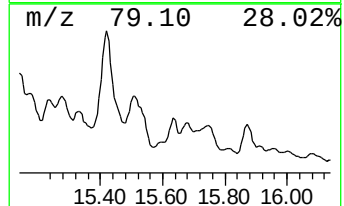
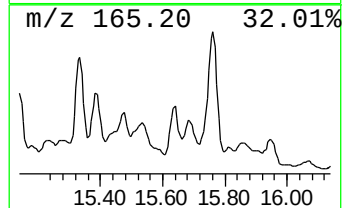
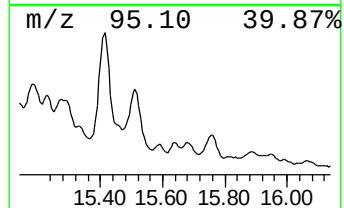
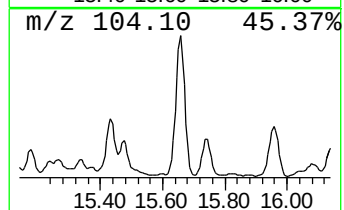
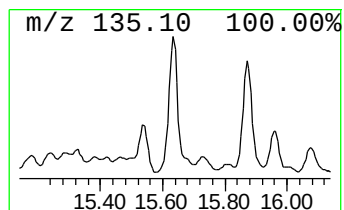
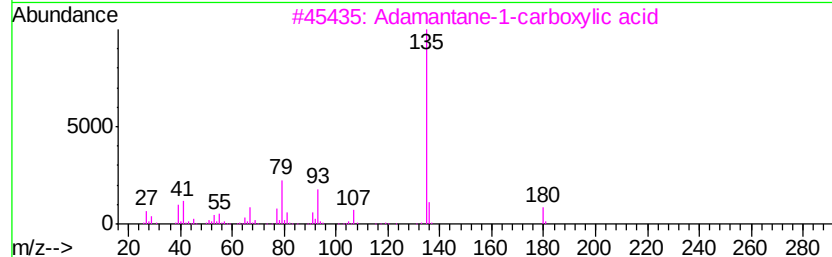
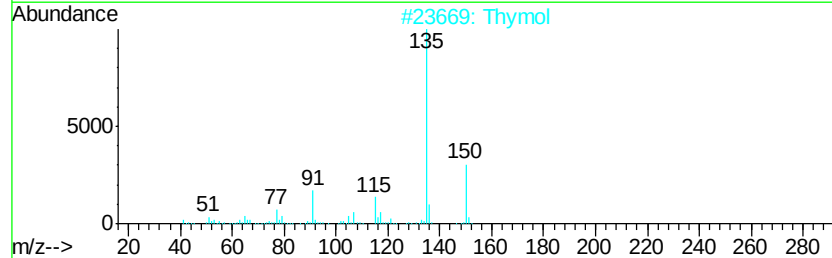
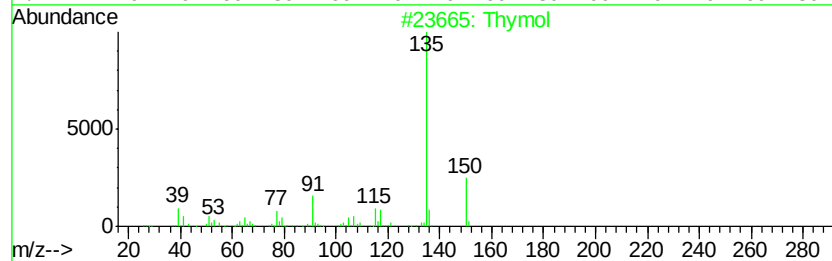
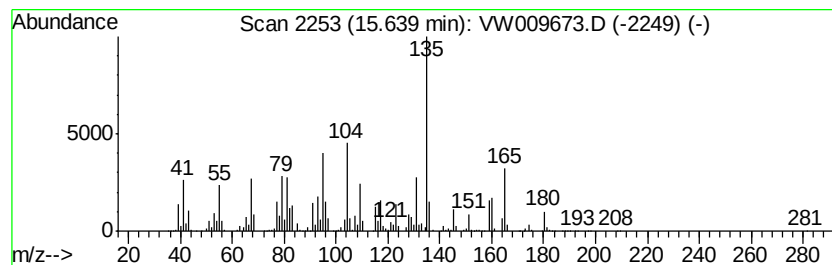
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 70 unknown-07 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	15.46 ug/L	5736910	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thymol	150	C10H14O	000089-83-8	35
2		Thymol	150	C10H14O	000089-83-8	35
3		Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	30
4		Piperonyl ethyl ether	180	C10H12O3	1000378-91-9	30
5		Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

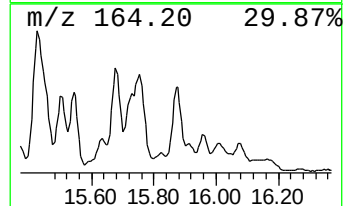
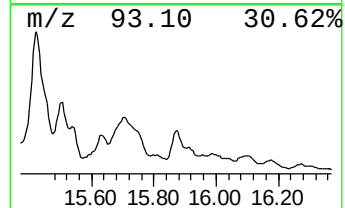
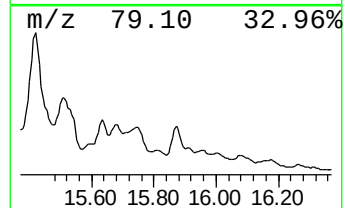
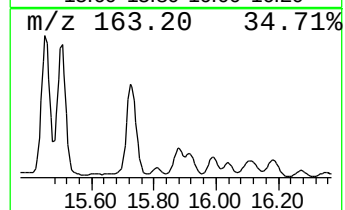
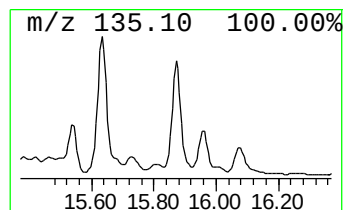
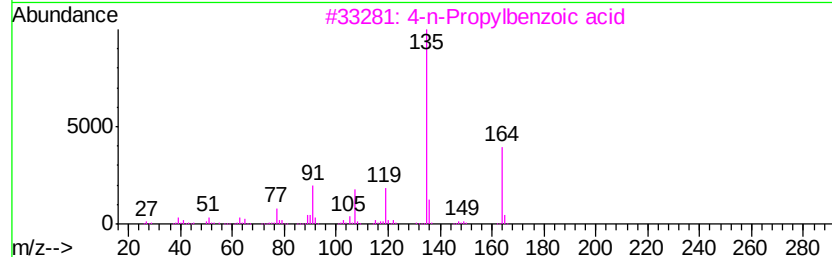
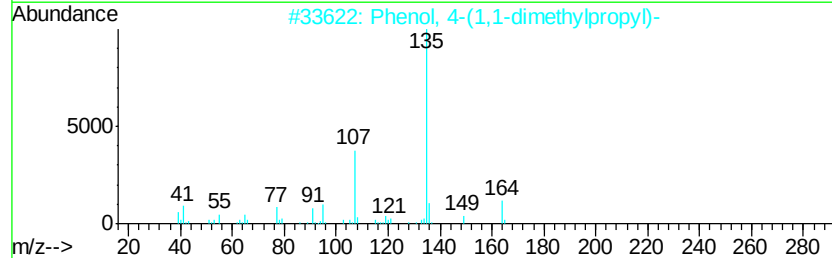
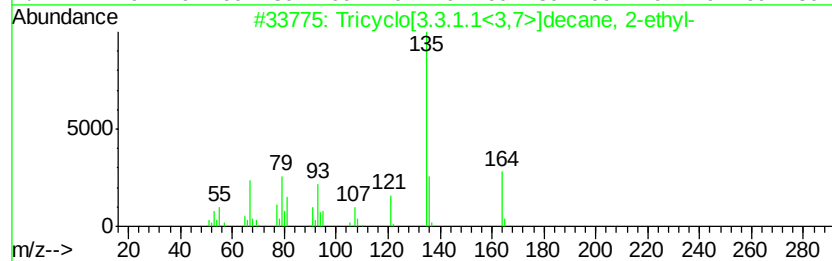
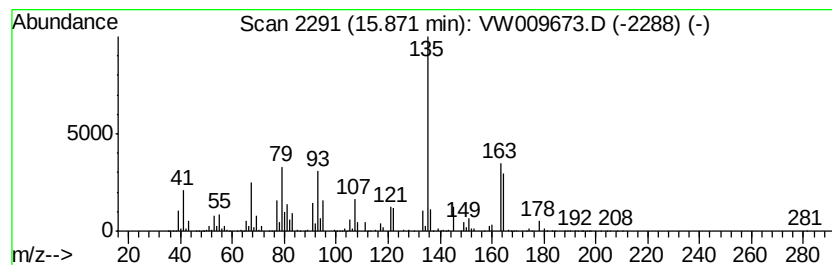
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 71 Tricyclo[3.3.1.1<3,7>]decan... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	8.88 ug/L	3297830	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[3.3.1.1<3,7>]decane, 2-...	164	C12H20	014451-87-7	64
2		Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	52
3		4-n-Propylbenzoic acid	164	C10H12O2	002438-05-3	52
4		Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	50
5		2-(Adamantan-1-ylamino)-ethanol	195	C12H21NO	1000300-19-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

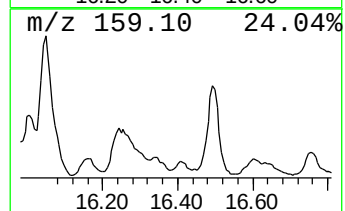
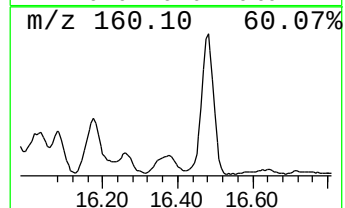
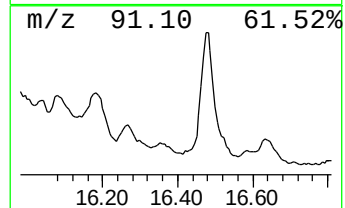
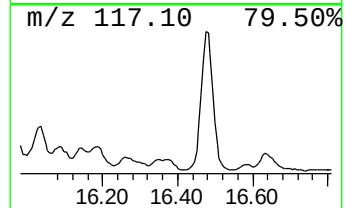
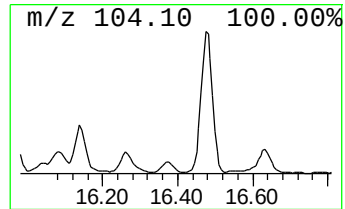
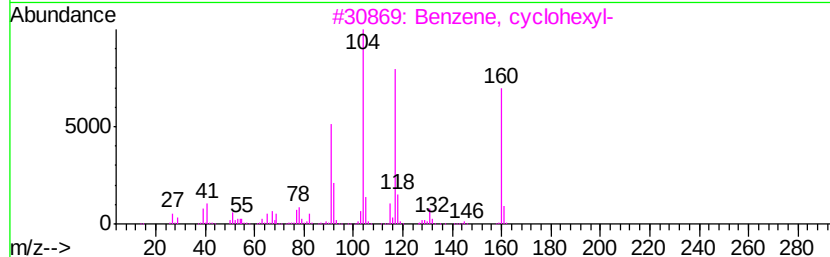
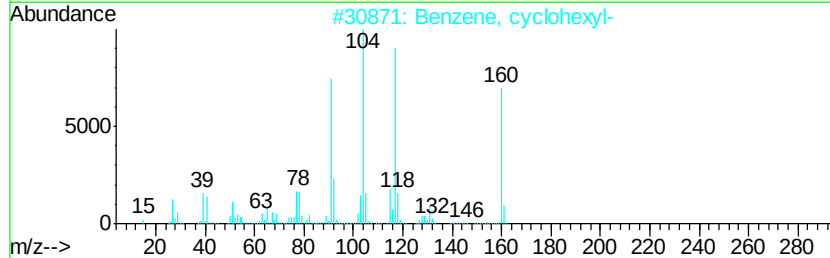
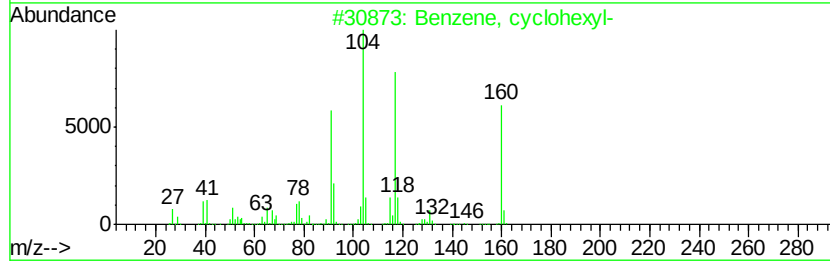
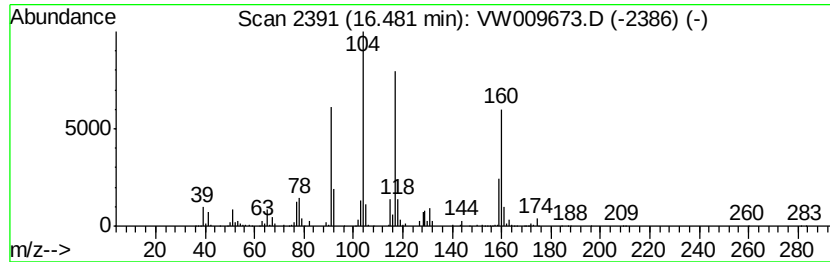
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 72 Benzene, cyclohexyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	13.30 ug/L	4934910	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclohexyl-	160	C12H16	000827-52-1	98
2		Benzene, cvclohexyl-	160	C12H16	000827-52-1	96
3		Benzene, cvclohexyl-	160	C12H16	000827-52-1	94
4		Benzene, cvclohexyl-	160	C12H16	000827-52-1	90
5		Benzene, 2-heptenyl-	174	C13H18	026447-63-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009673.D
Acq On : 03 Apr 2019 22:38
Operator : SY/VA
Sample : K2148-11
Misc : 4.94G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5F8

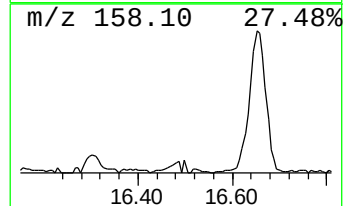
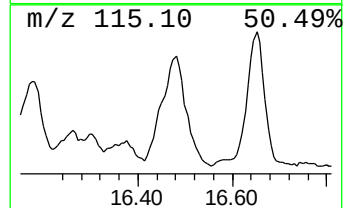
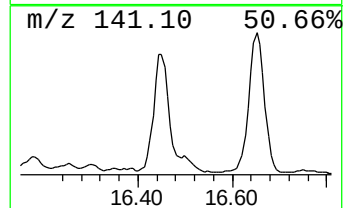
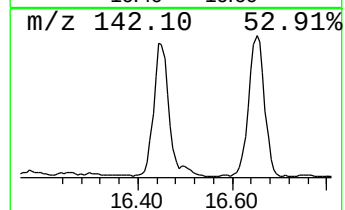
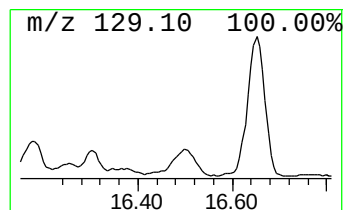
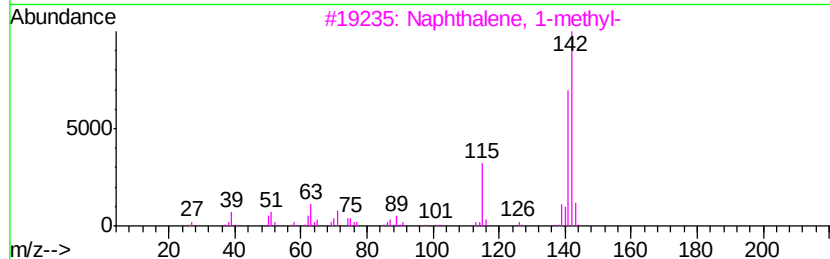
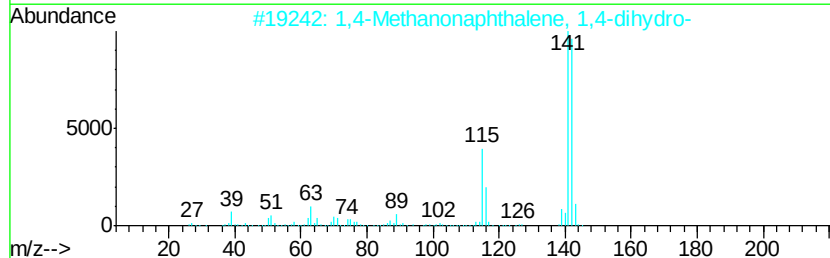
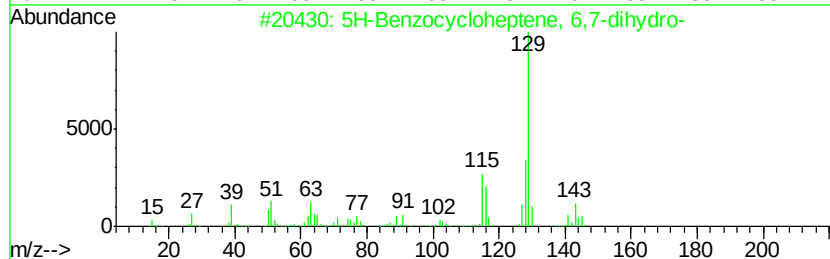
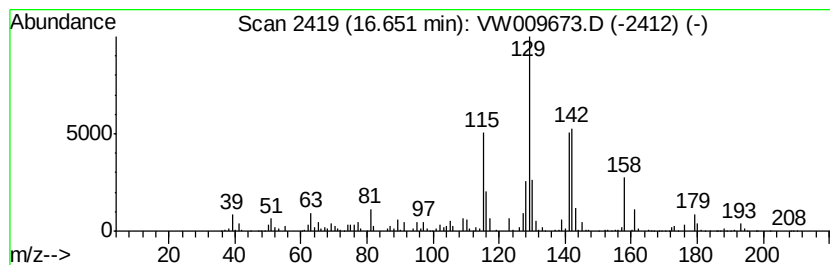
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 73 unknown-08 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	12.80 ug/L	4750810	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Benzocycloheptene, 6,7-dihydro-	144	C11H12	007125-62-4	45
2		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	38
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	35
4		Benzocycloheptatriene	142	C11H10	000264-09-5	30
5		Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	25



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040319\
 Data File : VW009673.D
 Acq On : 03 Apr 2019 22:38
 Operator : SY/VA
 Sample : K2148-11
 Misc : 4.94G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5F8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.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: Cyc...	9.60	5.3	ug/L	293370	1	8.84	1384090	25.0	
(DEL) Alkane: Cyc...	9.75	7.3	ug/L	406244	1	8.84	1384090	25.0	
(DEL) Alkane: Str...	9.90	5.7	ug/L	313442	1	8.84	1384090	25.0	
(DEL) Alkane: Cyc...	10.08	6.4	ug/L	352067	1	8.84	1384090	25.0	
(DEL) Alkane: Cyc...	10.21	2.1	ug/L	116827	1	8.84	1384090	25.0	
(DEL) Alkane: Str...	10.25	2.8	ug/L	252782	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	10.45	3.1	ug/L	280900	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	10.49	13.7	ug/L	1241460	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	10.66	22.2	ug/L	2019820	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	10.76	18.6	ug/L	1688680	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	10.85	8.4	ug/L	766108	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	11.04	51.0	ug/L	4631060	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.12	15.4	ug/L	1403870	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.18	30.0	ug/L	2725950	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.23	87.4	ug/L	7940060	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.29	9.7	ug/L	881643	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	11.34	40.1	ug/L	3648450	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	11.38	17.0	ug/L	1548230	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.44	83.0	ug/L	7540340	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	11.51	2.3	ug/L	209974	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.55	11.9	ug/L	1076900	2	11.63	2272050	25.0	
Pentalene, octahy...	11.72	9.0	ug/L	816617	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.77	40.6	ug/L	3694250	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.82	54.6	ug/L	4966620	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.88	227.4	ug/L	20666600	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.92	135.0	ug/L	12272300	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	11.98	36.8	ug/L	3346570	2	11.63	2272050	25.0	
Sulfurous acid, d...	12.01	5.6	ug/L	508466	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	12.07	69.3	ug/L	6301880	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	12.14	443.7	ug/L	40328400	2	11.63	2272050	25.0	
unknown-01	12.19	37.3	ug/L	3393690	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	12.26	460.9	ug/L	41888400	2	11.63	2272050	25.0	
1H-Indene, octahy...	12.34	549.4	ug/L	49930400	2	11.63	2272050	25.0	
(DEL) Alkane: Str...	12.51	290.6	ug/L	26414800	2	11.63	2272050	25.0	
1,3-Dimethyl-1-cy...	12.57	48.7	ug/L	4423810	2	11.63	2272050	25.0	
(DEL) Alkane: Cyc...	12.62	40.9	ug/L	15191700	3	13.55	9279670	25.0	
unknown-02	12.75	21.0	ug/L	7790740	3	13.55	9279670	25.0	
Ketone, vinyl-pyr...	12.79	136.0	ug/L	50474400	3	13.55	9279670	25.0	
(DEL) Alkane: Cyc...	12.87	110.5	ug/L	41016900	3	13.55	9279670	25.0	
Ethanone, 1-(1-me...	12.95	246.6	ug/L	91549400	3	13.55	9279670	25.0	
Oxalic acid, cycl...	13.00	100.6	ug/L	37333500	3	13.55	9279670	25.0	
(DEL) Alkane: Str...	13.08	74.6	ug/L	27676400	3	13.55	9279670	25.0	
Sulfurous acid, c...	13.13	51.9	ug/L	19263700	3	13.55	9279670	25.0	
Pentalene, octahy...	13.18	49.9	ug/L	18528400	3	13.55	9279670	25.0	
(DEL) Alkane: Str...	13.30	70.3	ug/L	26077900	3	13.55	9279670	25.0	
(DEL) Alkane: Str...	13.35	64.3	ug/L	23882000	3	13.55	9279670	25.0	
(DEL) Alkane: Cyc...	13.46	261.2	ug/L	96956800	3	13.55	9279670	25.0	
unknown-03	13.49	58.9	ug/L	21869100	3	13.55	9279670	25.0	
(DEL) Alkane: Cyc...	13.71	69.6	ug/L	25834800	3	13.55	9279670	25.0	

(DEL) Alkane: Cyc...	13.93	99.2	ug/L	36824400	3	13.55	9279670	25.0
Ketone, 2,2-dimet...	13.99	132.7	ug/L	49256600	3	13.55	9279670	25.0
(DEL) Alkane: Str...	14.21	96.7	ug/L	35905800	3	13.55	9279670	25.0
unknown-04	14.27	175.3	ug/L	65084200	3	13.55	9279670	25.0
(DEL) Alkane: Str...	14.33	80.0	ug/L	29687800	3	13.55	9279670	25.0
Naphthalene, deca...	14.40	651.8	ug/L	241953000	3	13.55	9279670	25.0
Benzene, 1-methyl...	14.51	50.7	ug/L	18806100	3	13.55	9279670	25.0
1-Methyldecahydro...	14.56	331.8	ug/L	123145000	3	13.55	9279670	25.0
unknown-05	14.61	108.5	ug/L	40271800	3	13.55	9279670	25.0
(DEL) Alkane: Cyc...	14.75	60.8	ug/L	22556400	3	13.55	9279670	25.0
(DEL) Alkane: Cyc...	14.81	187.7	ug/L	69672000	3	13.55	9279670	25.0
unknown-06	14.94	43.6	ug/L	16189700	3	13.55	9279670	25.0
Naphthalene, deca...	14.99	43.7	ug/L	16220100	3	13.55	9279670	25.0
2-Methyladamantane	15.02	65.8	ug/L	24420400	3	13.55	9279670	25.0
(DEL) Alkane: Cyc...	15.27	118.0	ug/L	43812500	3	13.55	9279670	25.0
(DEL) Alkane: Str...	15.33	93.3	ug/L	34619600	3	13.55	9279670	25.0
trans,cis-1,8-Dim...	15.41	111.9	ug/L	41538200	3	13.55	9279670	25.0
trans, cis-2-Ethy...	15.51	95.7	ug/L	35506600	3	13.55	9279670	25.0
unknown-07	15.64	15.5	ug/L	5736910	3	13.55	9279670	25.0
Tricyclo[3.3.1.1<...	15.87	8.9	ug/L	3297830	3	13.55	9279670	25.0
Benzene, cyclohexyl-	16.48	13.3	ug/L	4934910	3	13.55	9279670	25.0
unknown-08	16.65	12.8	ug/L	4750810	3	13.55	9279670	25.0

Instrument :
MSVOA_W
ClientSampleId :
BF5F8