

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
 Data File : VW013798.D
 Acq On : 29 Oct 2019 17:20
 Operator : SY/VA
 Sample : K5535-08RE
 Misc : 5.67G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK30RE

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\SOM2WLM101819S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	7	10	21	rVB2	7249	15675	1.23%	0.171%
2	2.160	37	42	52	rBV3	18930	47966	3.78%	0.525%
3	2.355	67	74	84	rBV	102426	190919	15.03%	2.088%
4	2.776	140	143	148	rBV6	837	1592	0.13%	0.017%
5	2.885	152	161	175	rBV	64401	155841	12.27%	1.704%
6	3.026	177	184	197	rVB2	20065	51425	4.05%	0.562%
7	3.385	235	243	253	rBV	18161	45402	3.57%	0.497%
8	4.019	335	347	359	rBV	133796	429849	33.84%	4.701%
9	4.373	400	405	406	rVV5	903	1440	0.11%	0.016%
10	4.397	406	409	417	rVB4	1475	3067	0.24%	0.034%
11	4.922	483	495	496	rBV2	16228	37349	2.94%	0.408%
12	5.434	568	579	591	rBV3	9222	31780	2.50%	0.348%
13	5.934	651	661	675	rBV3	20071	59319	4.67%	0.649%
14	6.982	825	833	841	rVB4	11306	30732	2.42%	0.336%
15	7.074	841	848	854	rBV	37602	106314	8.37%	1.163%
16	7.439	904	908	912	rBV4	1039	1508	0.12%	0.016%
17	7.519	916	921	922	rBV2	1680	1921	0.15%	0.021%
18	7.537	922	924	931	rVB4	2531	3679	0.29%	0.040%
19	7.647	931	942	956	rBV2	202547	503546	39.64%	5.507%
20	7.952	979	992	1001	rBV4	31648	101076	7.96%	1.105%
21	8.031	1001	1005	1017	rVB5	5273	11962	0.94%	0.131%
22	8.153	1017	1025	1031	rBV3	10496	24975	1.97%	0.273%
23	8.275	1031	1045	1060	rVV2	431626	1270194	100.00%	13.892%
24	8.433	1064	1071	1077	rVV3	8825	22070	1.74%	0.241%
25	8.500	1077	1082	1088	rVV4	6329	15170	1.19%	0.166%
26	8.579	1088	1095	1102	rVV4	8786	21642	1.70%	0.237%
27	8.689	1106	1113	1122	rVB2	25791	53179	4.19%	0.582%
28	8.842	1129	1138	1151	rBV	355824	693631	54.61%	7.586%
29	9.031	1162	1169	1172	rBV3	10066	20076	1.58%	0.220%
30	9.073	1172	1176	1185	rVB2	18148	35417	2.79%	0.387%
31	9.274	1198	1209	1214	rBV	278014	576750	45.41%	6.308%
32	9.335	1214	1219	1232	rVB	99662	209146	16.47%	2.287%
33	9.512	1243	1248	1254	rBV3	3475	6576	0.52%	0.072%
34	9.604	1254	1263	1269	rBV6	5592	12347	0.97%	0.135%

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 ClientSampleId :
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Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
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35	9.744	1281	1286	1296	rBV5	4869	9716	0.76%	0.106%
36	9.902	1305	1312	1315	rBV5	2644	5561	0.44%	0.061%
37	9.957	1315	1321	1327	rBV3	8854	19107	1.50%	0.209%
38	10.037	1327	1334	1340	rBV	138602	251120	19.77%	2.746%
39	10.207	1358	1362	1364	rBV4	2300	2994	0.24%	0.033%
40	10.323	1373	1381	1388	rBV	593669	1046919	82.42%	11.450%
41	10.384	1388	1391	1397	rVB	20913	36208	2.85%	0.396%
42	10.500	1403	1410	1416	rVB3	22411	41341	3.25%	0.452%
43	10.579	1416	1423	1431	rBV	87022	152568	12.01%	1.669%
44	10.664	1431	1437	1441	rVV2	11445	22146	1.74%	0.242%
45	10.701	1441	1443	1448	rVB2	4345	5001	0.39%	0.055%
46	10.762	1448	1453	1458	rBV6	7106	13651	1.07%	0.149%
47	10.853	1463	1468	1473	rVB6	2475	4695	0.37%	0.051%
48	10.921	1473	1479	1491	rBV	142619	252089	19.85%	2.757%
49	11.110	1506	1510	1512	rVB5	1114	1481	0.12%	0.016%
50	11.177	1512	1521	1526	rBV2	22058	42090	3.31%	0.460%
51	11.231	1526	1530	1535	rVB3	7393	11781	0.93%	0.129%
52	11.280	1535	1538	1544	rBV6	2568	4320	0.34%	0.047%
53	11.329	1544	1546	1547	rBV2	2241	1411	0.11%	0.015%
54	11.439	1561	1564	1569	rVB3	7659	10717	0.84%	0.117%
55	11.506	1571	1575	1579	rBV3	3639	6040	0.48%	0.066%
56	11.628	1588	1595	1606	rBV	401716	698318	54.98%	7.637%
57	11.725	1606	1611	1616	rBV3	8828	14227	1.12%	0.156%
58	11.841	1622	1630	1640	rBV4	35950	80095	6.31%	0.876%
59	12.036	1658	1662	1670	rVB6	2485	5126	0.40%	0.056%
60	12.164	1672	1683	1691	rBV3	10731	32432	2.55%	0.355%
61	12.237	1691	1695	1701	rVB6	2159	4868	0.38%	0.053%
62	12.298	1701	1705	1706	rBV3	2923	2681	0.21%	0.029%
63	12.341	1709	1712	1714	rVV2	4102	5300	0.42%	0.058%
64	12.384	1716	1719	1727	rVB5	7115	13566	1.07%	0.148%
65	12.463	1728	1732	1736	rBV4	3249	5563	0.44%	0.061%
66	12.567	1746	1749	1751	rVB4	1385	1537	0.12%	0.017%
67	12.609	1751	1756	1760	rVV2	9916	14225	1.12%	0.156%
68	12.689	1763	1769	1778	rVB	188899	309005	24.33%	3.379%
69	12.804	1779	1788	1793	rVB3	5432	12927	1.02%	0.141%
70	12.865	1793	1798	1802	rBV	9104	15808	1.24%	0.173%
71	12.932	1804	1809	1816	rVV4	25195	49763	3.92%	0.544%

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 ClientSampleId :
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Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
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72	12.993	1816	1819	1823	rVB4	2093	2910	0.23%	0.032%
73	13.109	1830	1838	1844	rVB8	2689	6528	0.51%	0.071%
74	13.170	1844	1848	1851	rBV5	2282	3480	0.27%	0.038%
75	13.249	1855	1861	1865	rBV	26677	41187	3.24%	0.450%
76	13.384	1878	1883	1888	rBV8	2236	4910	0.39%	0.054%
77	13.469	1888	1897	1904	rVV8	11986	27098	2.13%	0.296%
78	13.554	1905	1911	1922	rVB	279029	466786	36.75%	5.105%
79	13.719	1935	1938	1940	rBV3	1270	1586	0.12%	0.017%
80	13.749	1940	1943	1945	rBV3	4068	5066	0.40%	0.055%
81	13.853	1953	1960	1969	rVB	263077	449487	35.39%	4.916%
82	13.950	1974	1976	1983	rVB5	2307	2827	0.22%	0.031%
83	14.018	1983	1987	1989	rBV5	2598	4718	0.37%	0.052%
84	14.066	1993	1995	2007	rVB2	7796	18259	1.44%	0.200%
85	14.200	2012	2017	2022	rBV7	3995	7794	0.61%	0.085%
86	14.335	2034	2039	2043	rBV6	3655	7551	0.59%	0.083%
87	14.383	2045	2047	2050	rVB3	2073	2226	0.18%	0.024%
88	14.499	2063	2066	2069	rBV6	1502	1602	0.13%	0.018%
89	14.725	2095	2103	2109	rBV3	10822	17831	1.40%	0.195%
90	14.798	2109	2115	2118	rBV4	3316	6756	0.53%	0.074%
91	14.956	2135	2141	2146	rVB5	6252	11446	0.90%	0.125%
92	15.164	2171	2175	2176	rBV4	1616	2165	0.17%	0.024%
93	15.316	2197	2200	2201	rBV3	1939	2022	0.16%	0.022%
94	15.438	2213	2220	2224	rVB3	10965	22156	1.74%	0.242%
95	15.493	2226	2229	2234	rVV4	2454	3961	0.31%	0.043%
96	15.554	2235	2239	2244	rVB4	4542	7365	0.58%	0.081%
97	15.761	2270	2273	2276	rBV5	958	1517	0.12%	0.017%
98	15.871	2284	2291	2296	rVB8	4003	8791	0.69%	0.096%
99	15.968	2303	2307	2313	rVB8	1230	2311	0.18%	0.025%
100	16.176	2339	2341	2346	rVB5	2262	3279	0.26%	0.036%

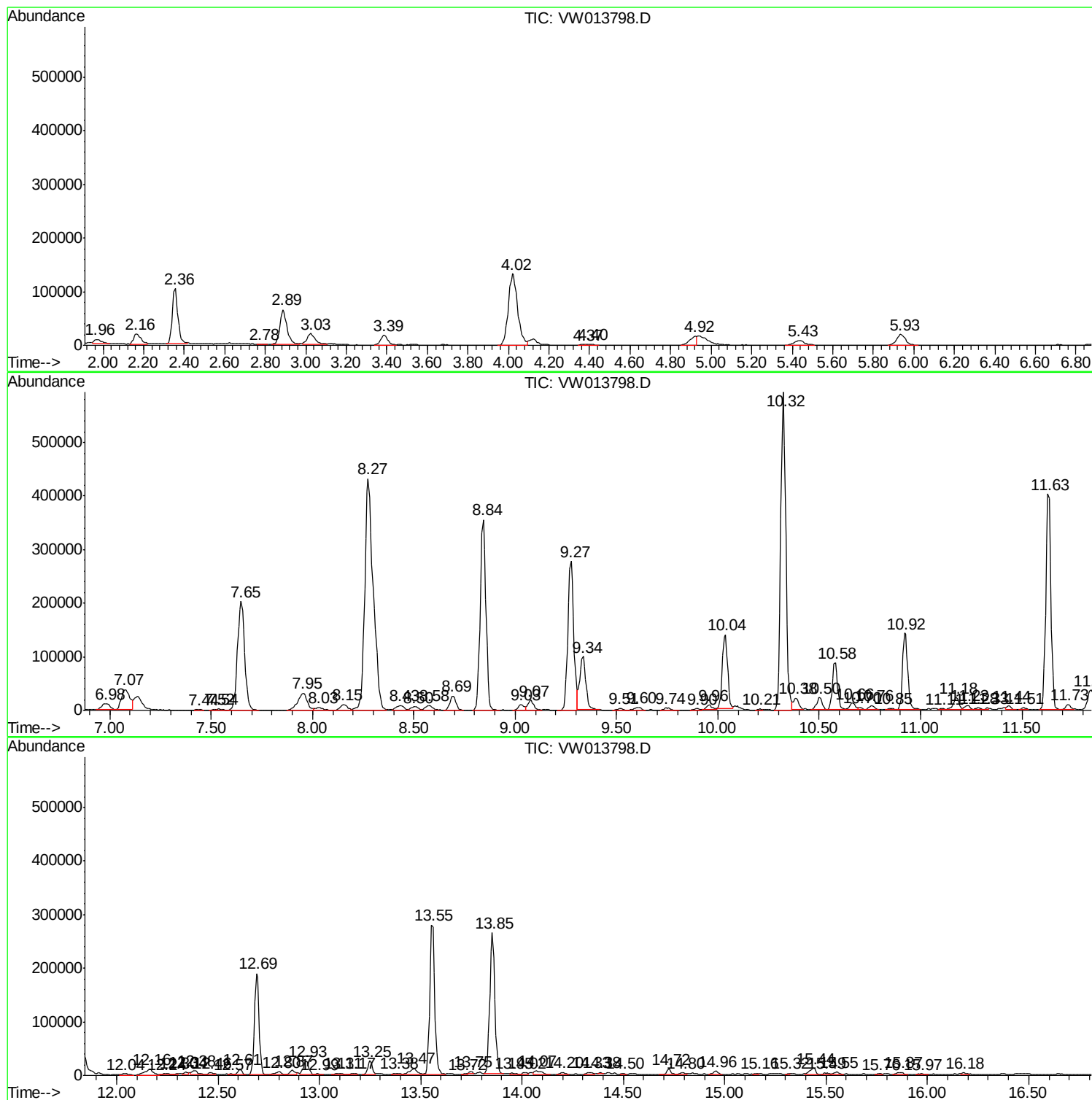
Sum of corrected areas: 9143547

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Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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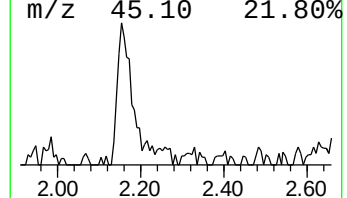
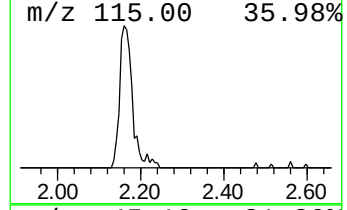
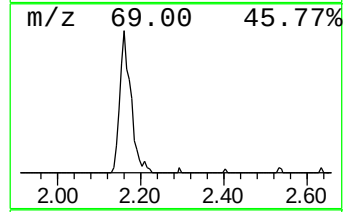
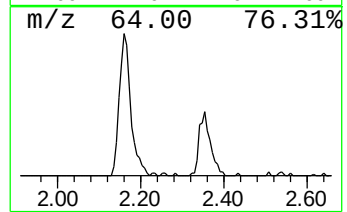
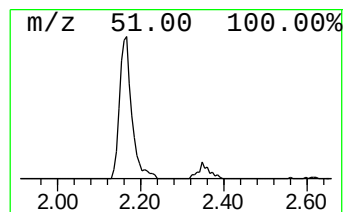
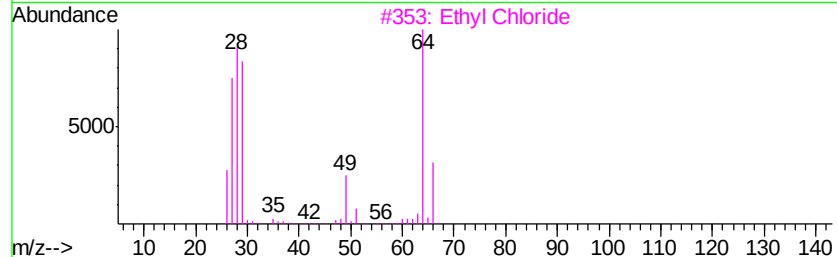
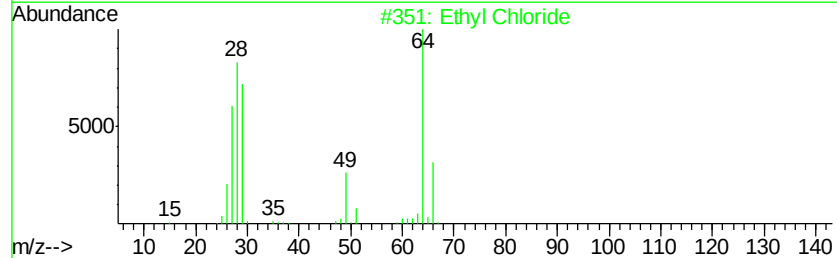
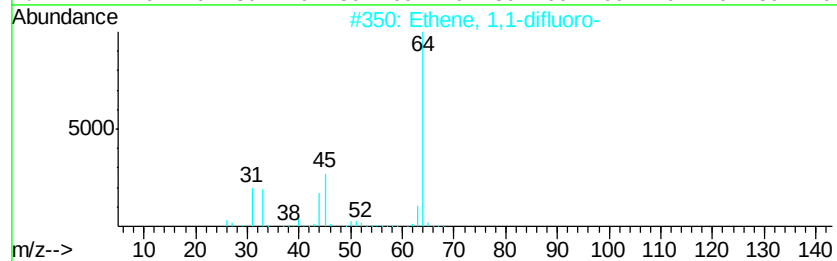
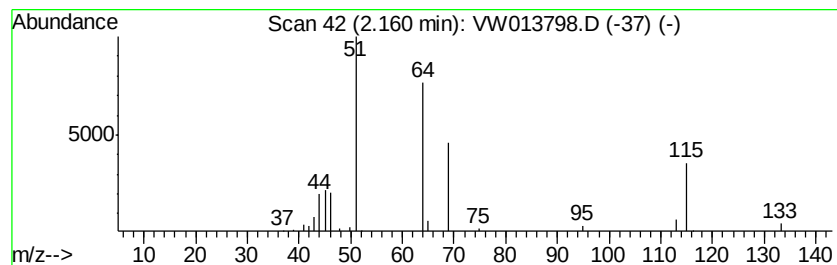
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	1.73 ug/L	47966	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethene, 1,1-difluoro-			64	C2H2F2	000075-38-7	9
2	Ethyl Chloride			64	C2H5Cl	000075-00-3	7
3	Ethyl Chloride			64	C2H5Cl	000075-00-3	7
4	Ethene, 1,1-difluoro-			64	C2H2F2	000075-38-7	5
5	Ethene, 1,2-difluoro-			64	C2H2F2	001691-13-0	5



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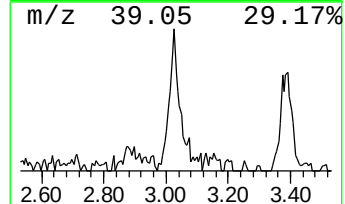
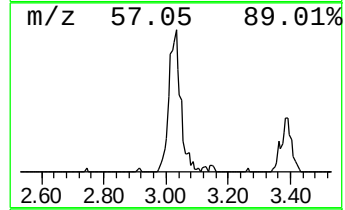
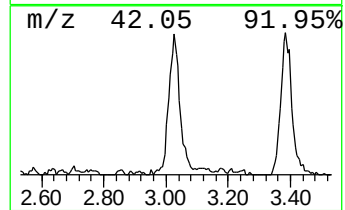
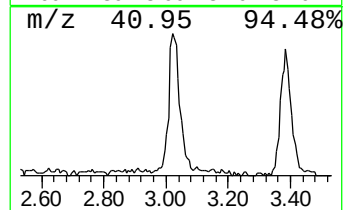
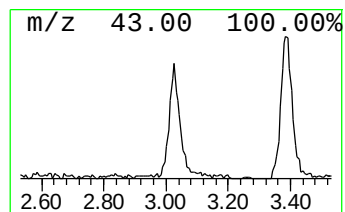
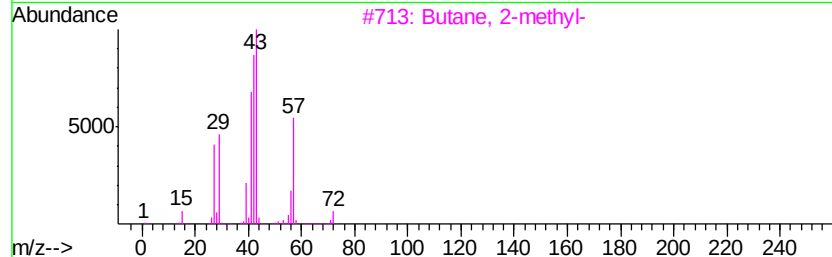
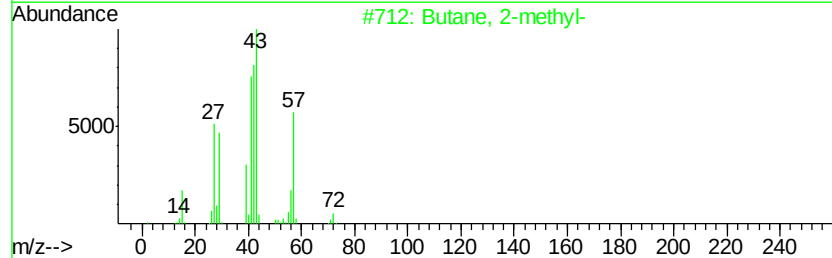
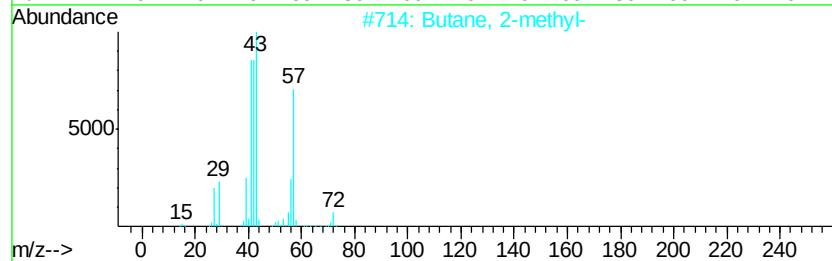
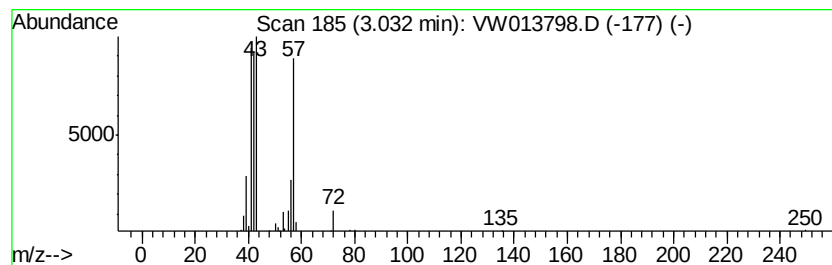
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	1.85 ug/L	51425	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2		Butane, 2-methyl-	72	C5H12	000078-78-4	86
3		Butane, 2-methyl-	72	C5H12	000078-78-4	86
4		2-Butene-1,4-diol, (Z)-	88	C4H8O2	006117-80-2	38
5		Pentane	72	C5H12	000109-66-0	38



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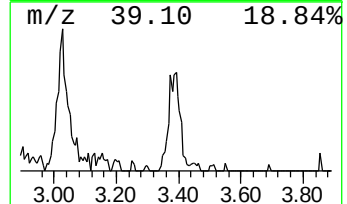
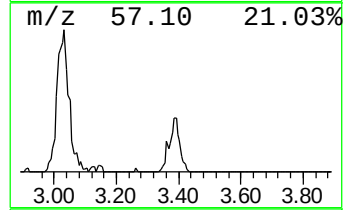
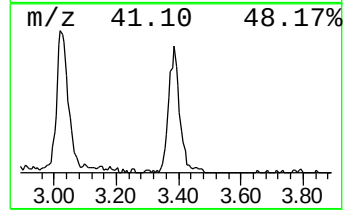
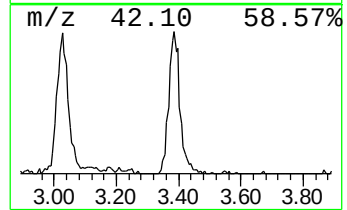
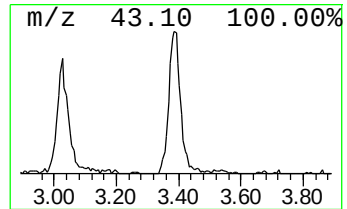
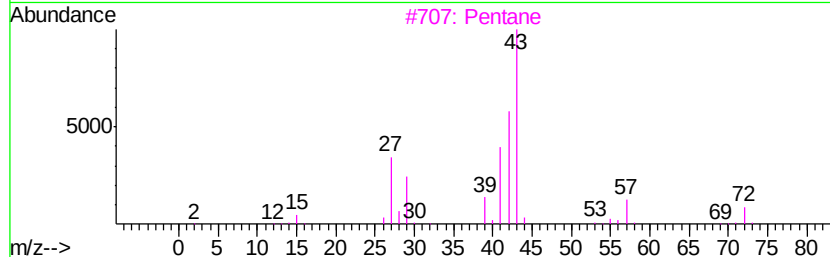
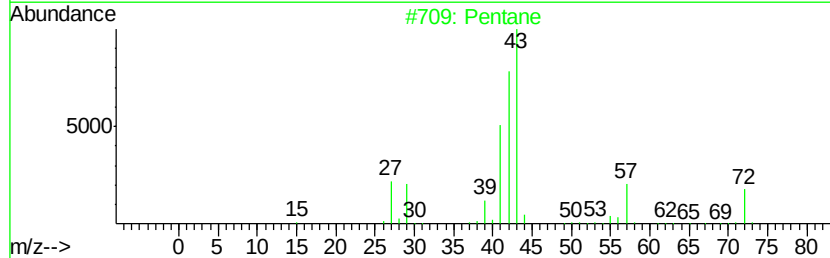
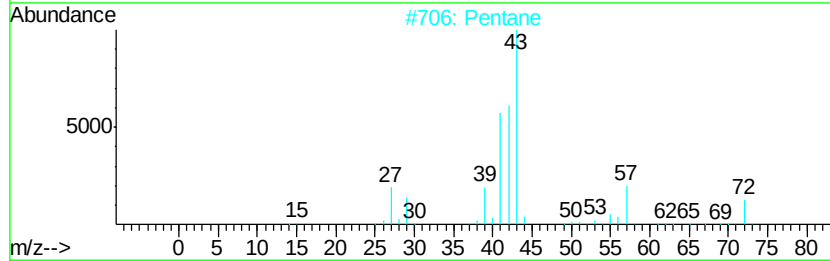
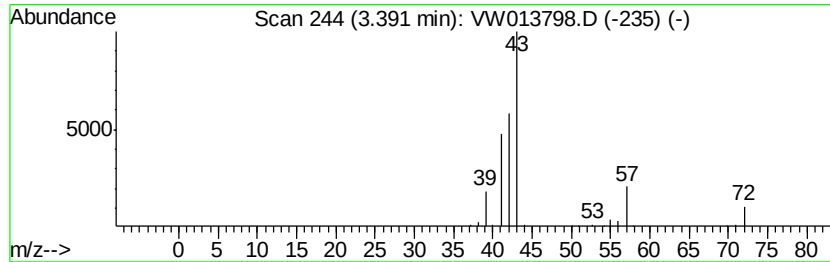
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.64 ug/L	45402	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	91
2		Pentane	72	C5H12	000109-66-0	86
3		Pentane	72	C5H12	000109-66-0	86
4		Pentane	72	C5H12	000109-66-0	78
5		Butane, 2-methyl-	72	C5H12	000078-78-4	39



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK30RE

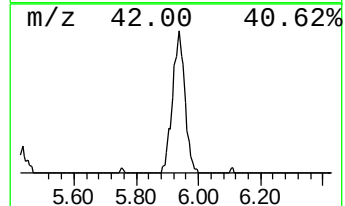
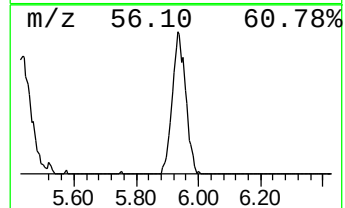
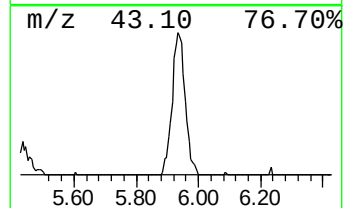
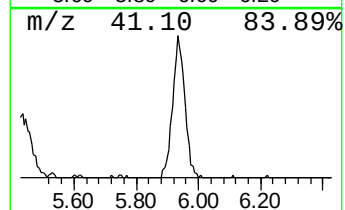
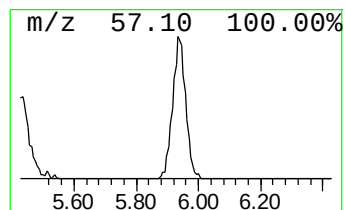
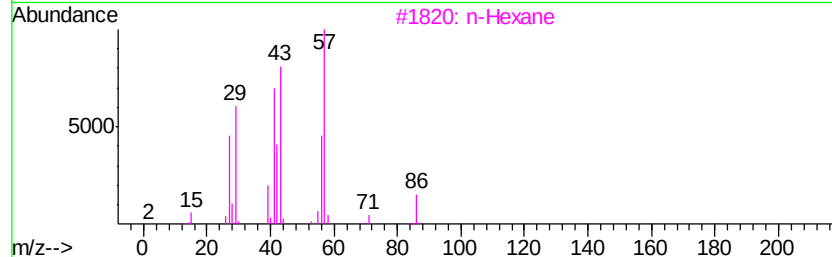
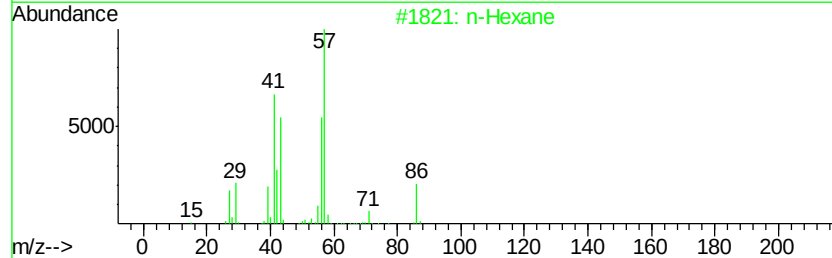
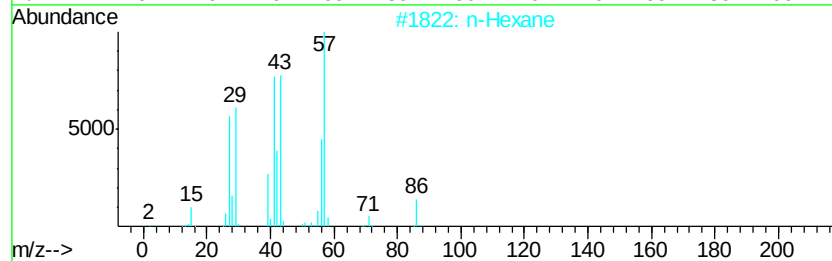
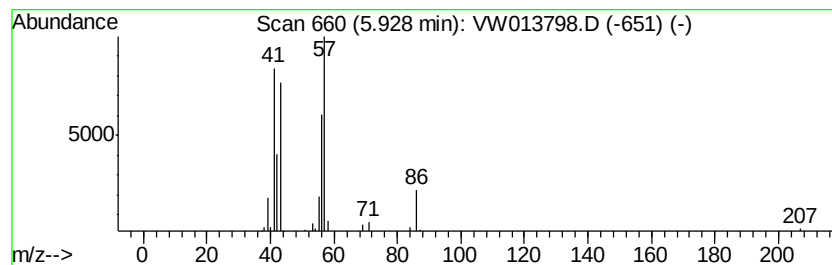
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	2.14 ug/L	59319	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	87
2		n-Hexane	86	C6H14	000110-54-3	87
3		n-Hexane	86	C6H14	000110-54-3	86
4		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	53
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
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Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK30RE

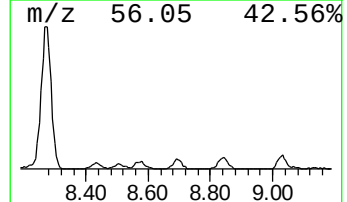
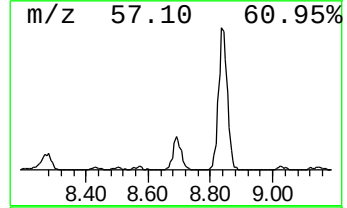
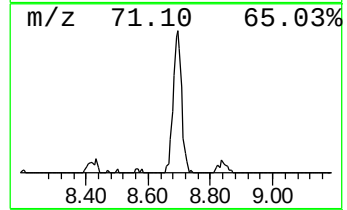
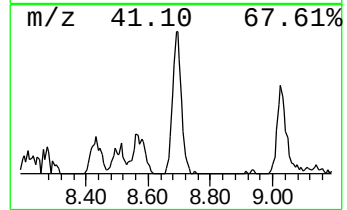
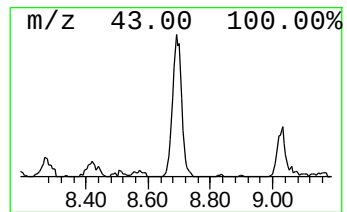
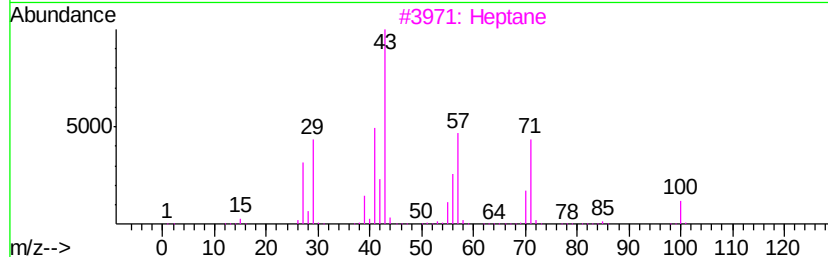
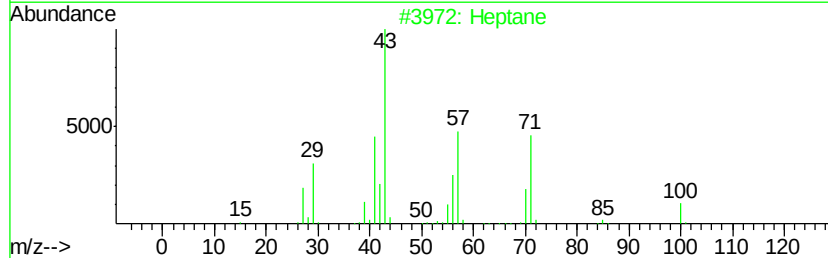
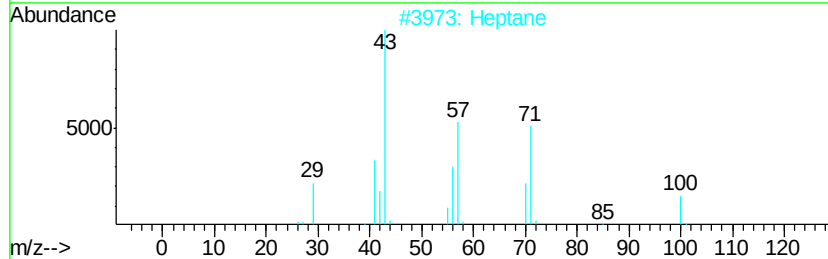
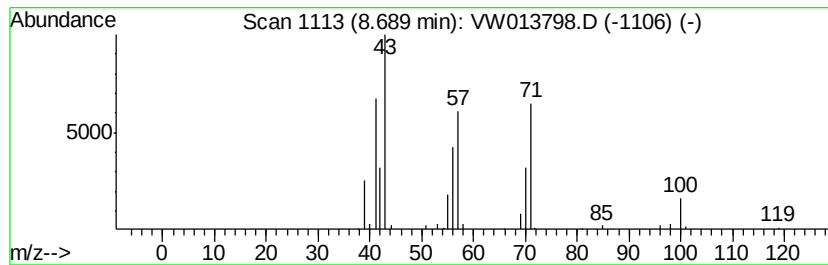
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	1.92 ug/L	53179	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	80
2		Heptane	100	C7H16	000142-82-5	76
3		Heptane	100	C7H16	000142-82-5	76
4		Heptane	100	C7H16	000142-82-5	64
5		Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	56



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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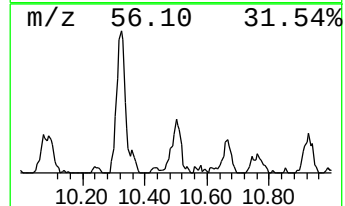
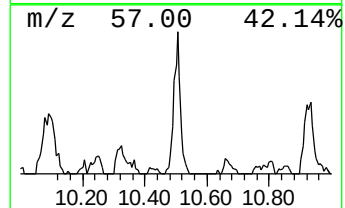
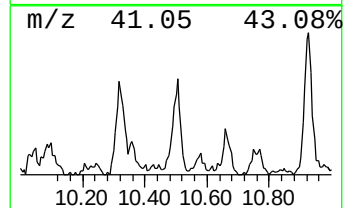
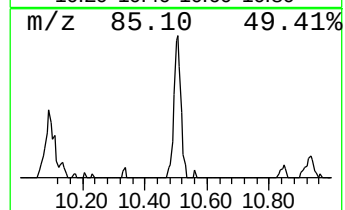
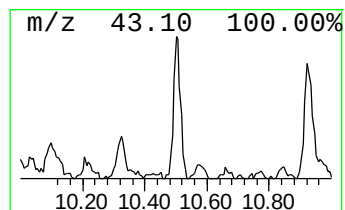
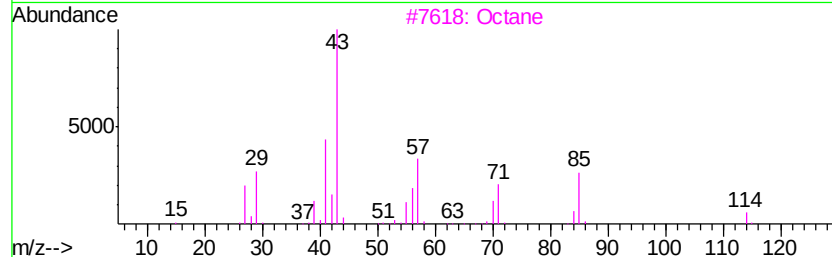
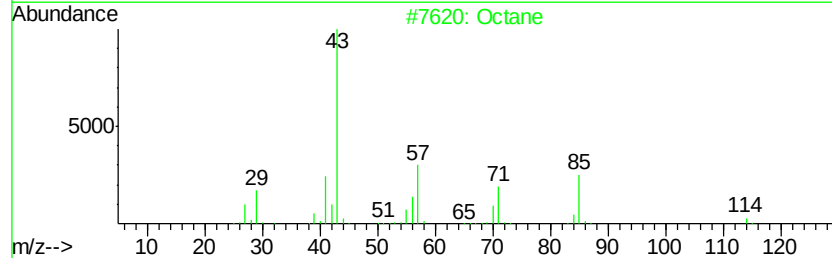
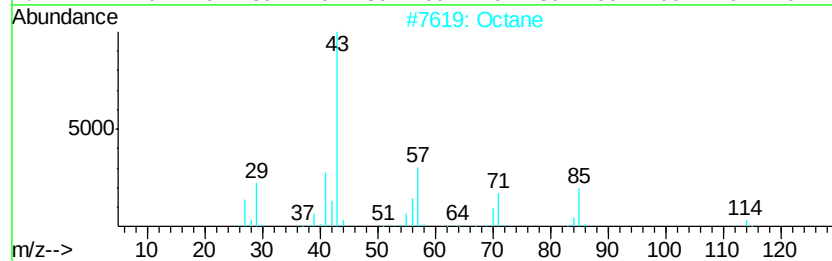
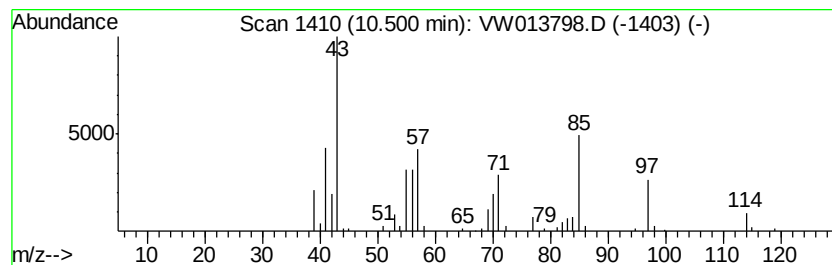
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	1.48 ug/L	41341	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	58
2		Octane	114	C8H18	000111-65-9	52
3		Octane	114	C8H18	000111-65-9	49
4		Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	47
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	47



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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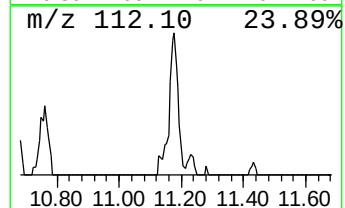
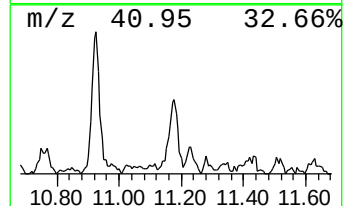
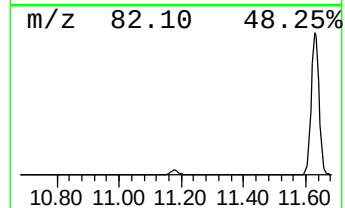
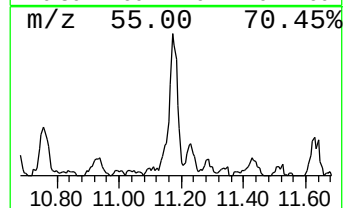
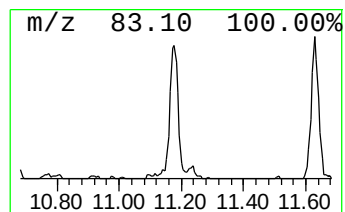
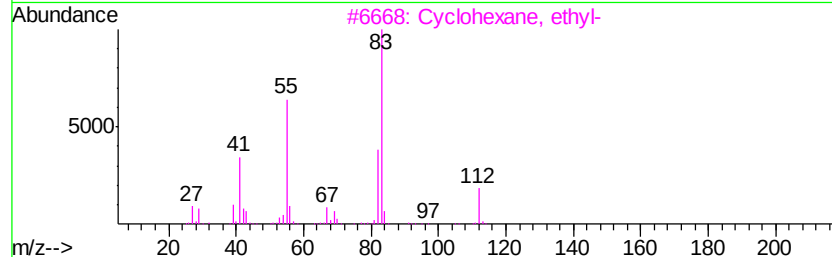
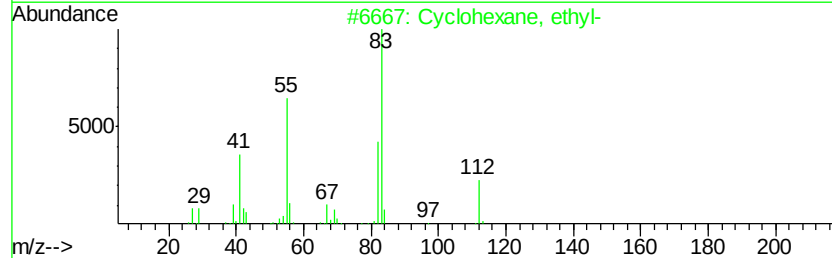
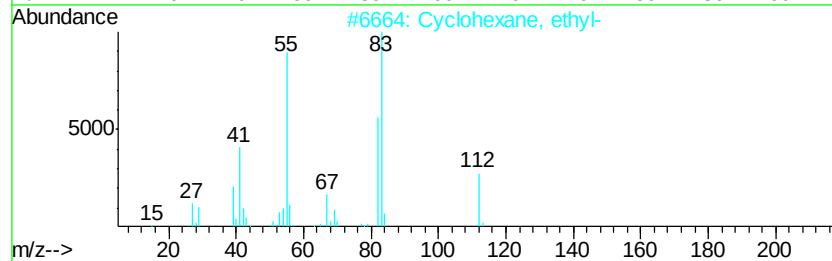
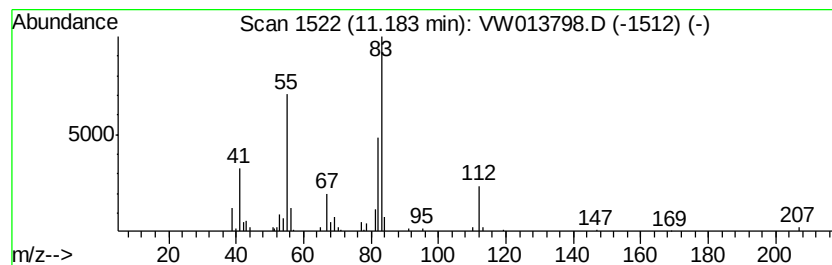
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic11.18 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	1.51 ug/L	42090	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
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	87



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

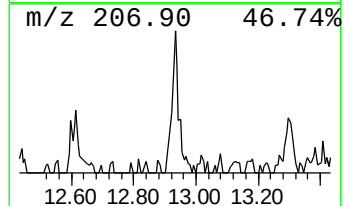
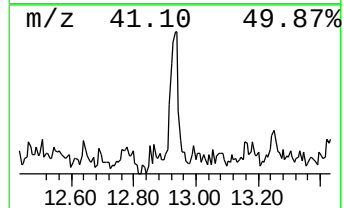
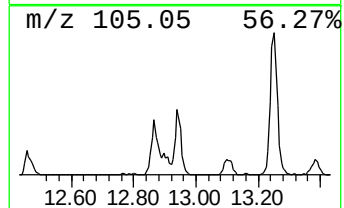
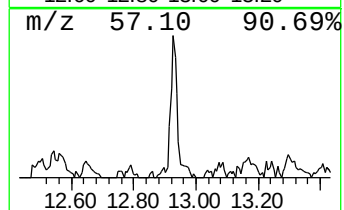
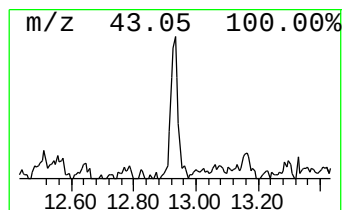
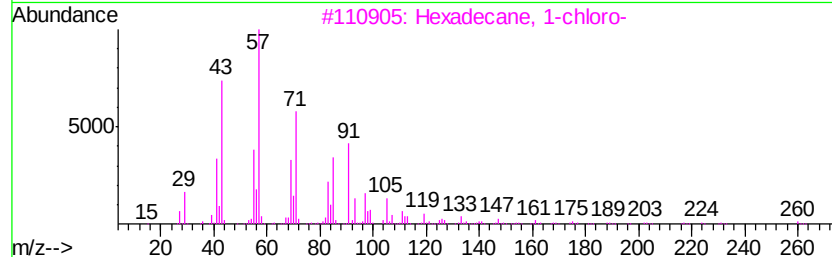
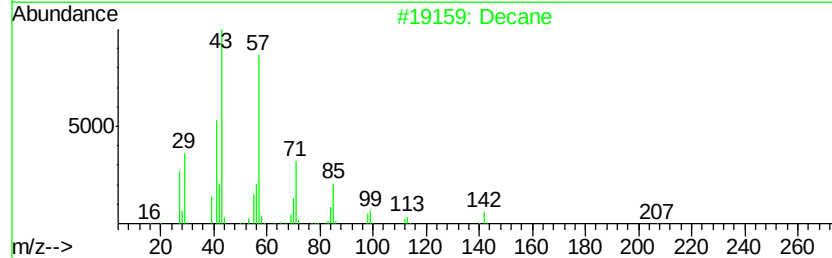
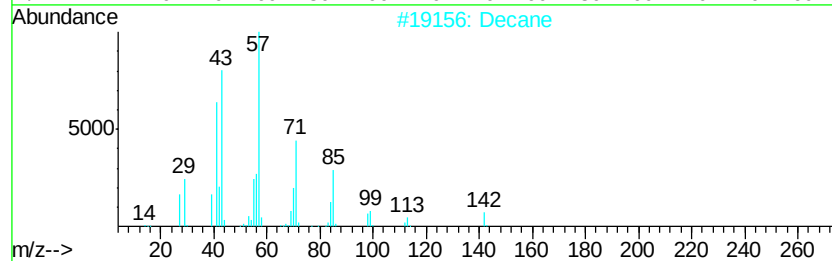
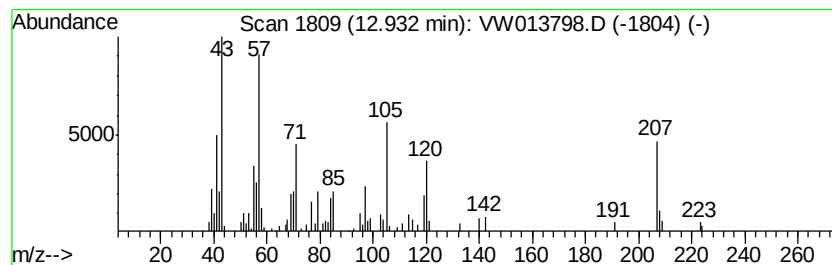
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.67 ug/L	49763	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane		142 C10H22	000124-18-5 35
2	Decane		142 C10H22	000124-18-5 35
3	Hexadecane, 1-chloro-		260 C16H33Cl	004860-03-1 27
4	Undecane, 3,8-dimethyl-		184 C13H28	017301-30-3 22
5	Decane, 2-methyl-		156 C11H24	006975-98-0 22



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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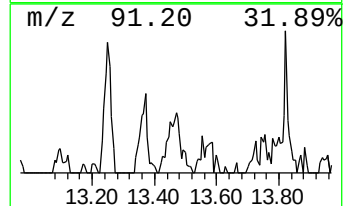
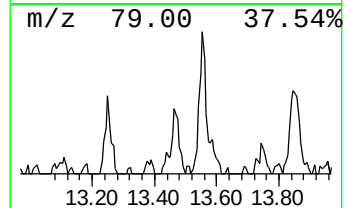
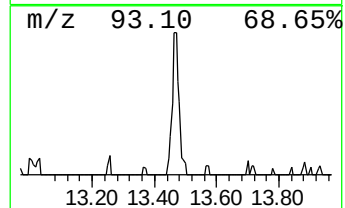
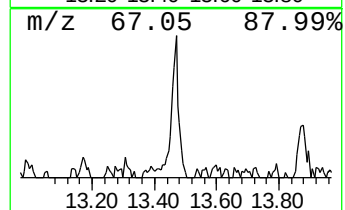
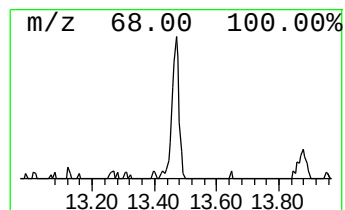
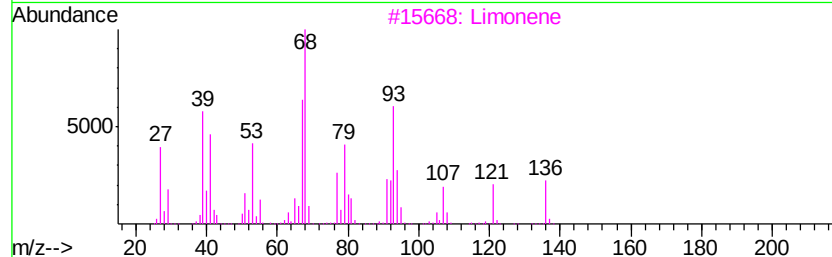
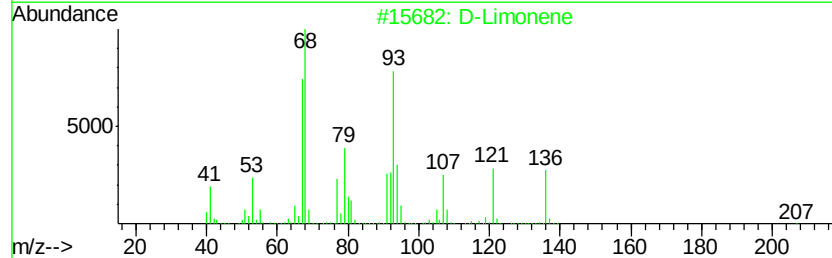
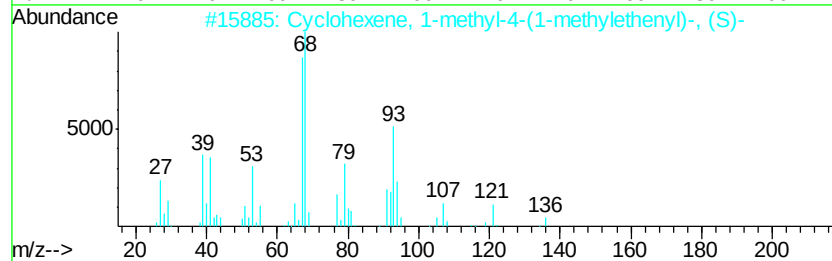
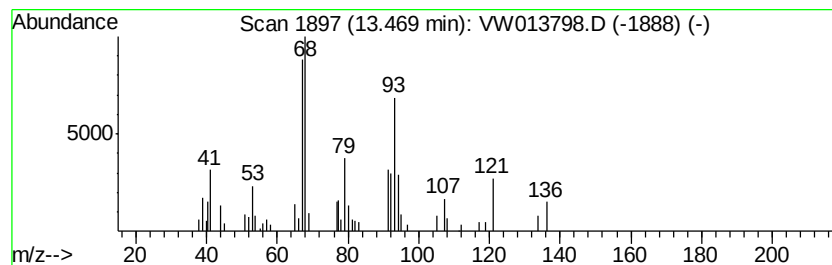
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Quant Title : VOC Analysis

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

Peak Number 12 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	1.45 ug/L	27098	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
2		D-Limonene	136	C10H16	005989-27-5	94
3		Limonene	136	C10H16	000138-86-3	93
4		D-Limonene	136	C10H16	005989-27-5	68
5		D-Limonene	136	C10H16	005989-27-5	64



Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK30RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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(DEL) Alkane: Str...	3.03	1.9	ug/L	51425	1	8.84	693631	25.0
(DEL) Alkane: Str...	3.39	1.6	ug/L	45402	1	8.84	693631	25.0
(DEL) Alkane: Str...	5.93	2.1	ug/L	59319	1	8.84	693631	25.0
(DEL) Alkane: Str...	8.69	1.9	ug/L	53179	1	8.84	693631	25.0
(DEL) Alkane: Str...	10.50	1.5	ug/L	41341	2	11.63	698318	25.0
(DEL) Alkane: Cyc...	11.18	1.5	ug/L	42090	2	11.63	698318	25.0
(DEL) Alkane: Str...	12.93	2.7	ug/L	49763	3	13.55	466786	25.0
Cyclohexene, 1-me...	13.47	1.5	ug/L	27098	3	13.55	466786	25.0