

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010189.D
 Acq On : 29 Apr 2019 19:26
 Operator : SY/VA
 Sample : K2596-17
 Misc : 4.90G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFH43

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\SOM2WLM042919S.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	1.989	10	14	30	rVB	46088	115702	1.57%	0.586%
2	2.355	68	74	86	rVB	63932	143791	1.95%	0.729%
3	2.885	155	161	179	rVB	52135	151910	2.06%	0.770%
4	3.897	325	327	330	rVB4	1109	1076	0.01%	0.005%
5	4.013	334	346	360	rBV	114866	406994	5.53%	2.062%
6	4.184	371	374	376	rBV3	3190	3692	0.05%	0.019%
7	4.385	400	407	408	rBV3	4662	7291	0.10%	0.037%
8	4.471	418	421	425	rVB3	1351	2324	0.03%	0.012%
9	4.672	451	454	459	rBV5	847	1496	0.02%	0.008%
10	4.800	472	475	477	rVB2	620	752	0.01%	0.004%
11	4.909	477	493	514	rBV3	25779	111835	1.52%	0.567%
12	5.306	555	558	562	rBV2	641	900	0.01%	0.005%
13	5.409	572	575	579	rVB3	1193	1529	0.02%	0.008%
14	5.495	587	589	593	rVB2	828	1016	0.01%	0.005%
15	5.537	593	596	599	rBV2	805	943	0.01%	0.005%
16	5.903	654	656	657	rBV	1232	1121	0.02%	0.006%
17	6.580	764	767	768	rBV	866	895	0.01%	0.005%
18	6.641	774	777	779	rBV2	814	927	0.01%	0.005%
19	6.818	804	806	811	rVB	751	874	0.01%	0.004%
20	6.933	821	825	827	rVB2	754	905	0.01%	0.005%
21	7.080	839	849	856	rBV	47551	137814	1.87%	0.698%
22	7.385	897	899	901	rBV2	899	793	0.01%	0.004%
23	7.433	905	907	912	rVB2	779	1049	0.01%	0.005%
24	7.494	914	917	918	rVV2	877	951	0.01%	0.005%
25	7.525	919	922	923	rVV2	1619	2152	0.03%	0.011%
26	7.537	923	924	927	rVV3	2364	2173	0.03%	0.011%
27	7.641	931	941	954	rVB	259853	612782	8.32%	3.105%
28	7.982	995	997	1001	rVB3	731	812	0.01%	0.004%
29	8.080	1011	1013	1016	rVB2	862	859	0.01%	0.004%
30	8.269	1033	1044	1068	rBV2	433449	1347741	18.30%	6.829%
31	8.549	1087	1090	1093	rVB3	782	899	0.01%	0.005%
32	8.720	1111	1118	1125	rVB6	3419	7501	0.10%	0.038%
33	8.842	1127	1138	1149	rBV	604965	1219584	16.56%	6.180%
34	9.018	1163	1167	1170	rBV4	789	1089	0.01%	0.006%

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35	9.073	1170	1176	1183	rVV8	3974	9816	0.13%	0.050%
36	9.275	1197	1209	1218	rBV	329981	671158	9.11%	3.401%
37	9.445	1235	1237	1238	rBV	1263	1143	0.02%	0.006%
38	9.494	1242	1245	1246	rBV2	600	730	0.01%	0.004%
39	9.561	1253	1256	1260	rVB3	1441	2283	0.03%	0.012%
40	9.659	1267	1272	1278	rVV3	2199	3657	0.05%	0.019%
41	9.756	1285	1288	1291	rBV3	983	1130	0.02%	0.006%
42	9.793	1293	1294	1299	rBV2	627	871	0.01%	0.004%
43	9.890	1305	1310	1318	rBV3	4647	9705	0.13%	0.049%
44	9.945	1318	1319	1324	rVB2	760	1172	0.02%	0.006%
45	10.037	1324	1334	1344	rBV	134032	251732	3.42%	1.276%
46	10.128	1344	1349	1354	rVB6	2680	5483	0.07%	0.028%
47	10.207	1359	1362	1365	rVB3	933	820	0.01%	0.004%
48	10.323	1373	1381	1388	rBV	539116	940372	12.77%	4.765%
49	10.396	1388	1393	1394	rBV3	2959	4304	0.06%	0.022%
50	10.579	1416	1423	1434	rBV	92063	166018	2.25%	0.841%
51	10.707	1438	1444	1449	rVB4	4121	7626	0.10%	0.039%
52	10.793	1455	1458	1460	rBV3	1129	1526	0.02%	0.008%
53	10.860	1462	1469	1473	rVB6	1793	4373	0.06%	0.022%
54	10.927	1473	1480	1490	rBV	193537	348485	4.73%	1.766%
55	11.286	1536	1539	1540	rBV3	972	937	0.01%	0.005%
56	11.311	1540	1543	1546	rVB4	1257	1466	0.02%	0.007%
57	11.402	1557	1558	1563	rVB4	1996	1886	0.03%	0.010%
58	11.512	1571	1576	1582	rVV2	9330	15004	0.20%	0.076%
59	11.628	1587	1595	1609	rBV	4621616	7363508	100.00%	37.311%
60	11.920	1639	1643	1648	rBV3	6565	10316	0.14%	0.052%
61	12.164	1679	1683	1690	rVB5	9626	16860	0.23%	0.085%
62	12.237	1694	1695	1696	rBV	1358	783	0.01%	0.004%
63	12.457	1729	1731	1736	rVB4	1939	3179	0.04%	0.016%
64	12.536	1741	1744	1746	rBV3	1015	1064	0.01%	0.005%
65	12.579	1750	1751	1752	rBV	1444	830	0.01%	0.004%
66	12.609	1752	1756	1762	rVV2	8696	13035	0.18%	0.066%
67	12.695	1762	1770	1776	rVV	247957	409580	5.56%	2.075%
68	12.786	1780	1785	1796	rVB	137453	225779	3.07%	1.144%
69	12.865	1796	1798	1799	rBV2	1042	883	0.01%	0.004%
70	12.932	1805	1809	1810	rBV3	1322	1539	0.02%	0.008%
71	13.054	1821	1829	1836	rBV	318546	521130	7.08%	2.641%

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72	13.164	1844	1847	1848	rBV3	2037	2404	0.03%	0.012%
73	13.201	1850	1853	1864	rVB7	11486	22055	0.30%	0.112%
74	13.408	1883	1887	1893	rVB6	3167	5653	0.08%	0.029%
75	13.475	1894	1898	1901	rBV4	5524	8029	0.11%	0.041%
76	13.560	1906	1912	1920	rVB	541066	844813	11.47%	4.281%
77	13.774	1941	1947	1949	rVB5	1337	2567	0.03%	0.013%
78	13.853	1953	1960	1967	rBV	334601	562322	7.64%	2.849%
79	13.951	1974	1976	1983	rVB6	2281	3951	0.05%	0.020%
80	14.018	1985	1987	1991	rVB5	1711	2199	0.03%	0.011%
81	14.097	1991	2000	2024	rBV	931018	1492314	20.27%	7.562%
82	14.335	2035	2039	2043	rVB6	2693	4185	0.06%	0.021%
83	14.438	2052	2056	2060	rVB6	8083	12986	0.18%	0.066%
84	14.834	2119	2121	2122	rBV2	1177	988	0.01%	0.005%
85	14.871	2125	2127	2128	rBV2	1590	1087	0.01%	0.006%
86	14.999	2141	2148	2153	rBV	128888	207981	2.82%	1.054%
87	15.066	2153	2159	2169	rVB	765057	1160793	15.76%	5.882%
88	15.371	2206	2209	2212	rBV3	4063	6256	0.08%	0.032%
89	15.414	2213	2216	2217	rVV2	5692	5763	0.08%	0.029%
90	15.444	2218	2221	2226	rVB2	13574	20739	0.28%	0.105%
91	15.505	2226	2231	2236	rVB3	9574	16620	0.23%	0.084%
92	15.804	2277	2280	2286	rVB7	4334	8023	0.11%	0.041%
93	15.907	2295	2297	2303	rVB5	4978	6905	0.09%	0.035%
94	15.956	2303	2305	2308	rVV4	1531	1920	0.03%	0.010%
95	16.017	2308	2315	2321	rVB9	7577	15064	0.20%	0.076%
96	16.279	2357	2358	2361	rVB3	1337	956	0.01%	0.005%
97	16.407	2377	2379	2382	rBV2	959	1190	0.02%	0.006%
98	16.438	2382	2384	2388	rBV3	1843	2630	0.04%	0.013%
99	16.560	2401	2404	2406	rBV4	1391	1683	0.02%	0.009%
100	16.724	2429	2431	2433	rBV3	1005	969	0.01%	0.005%

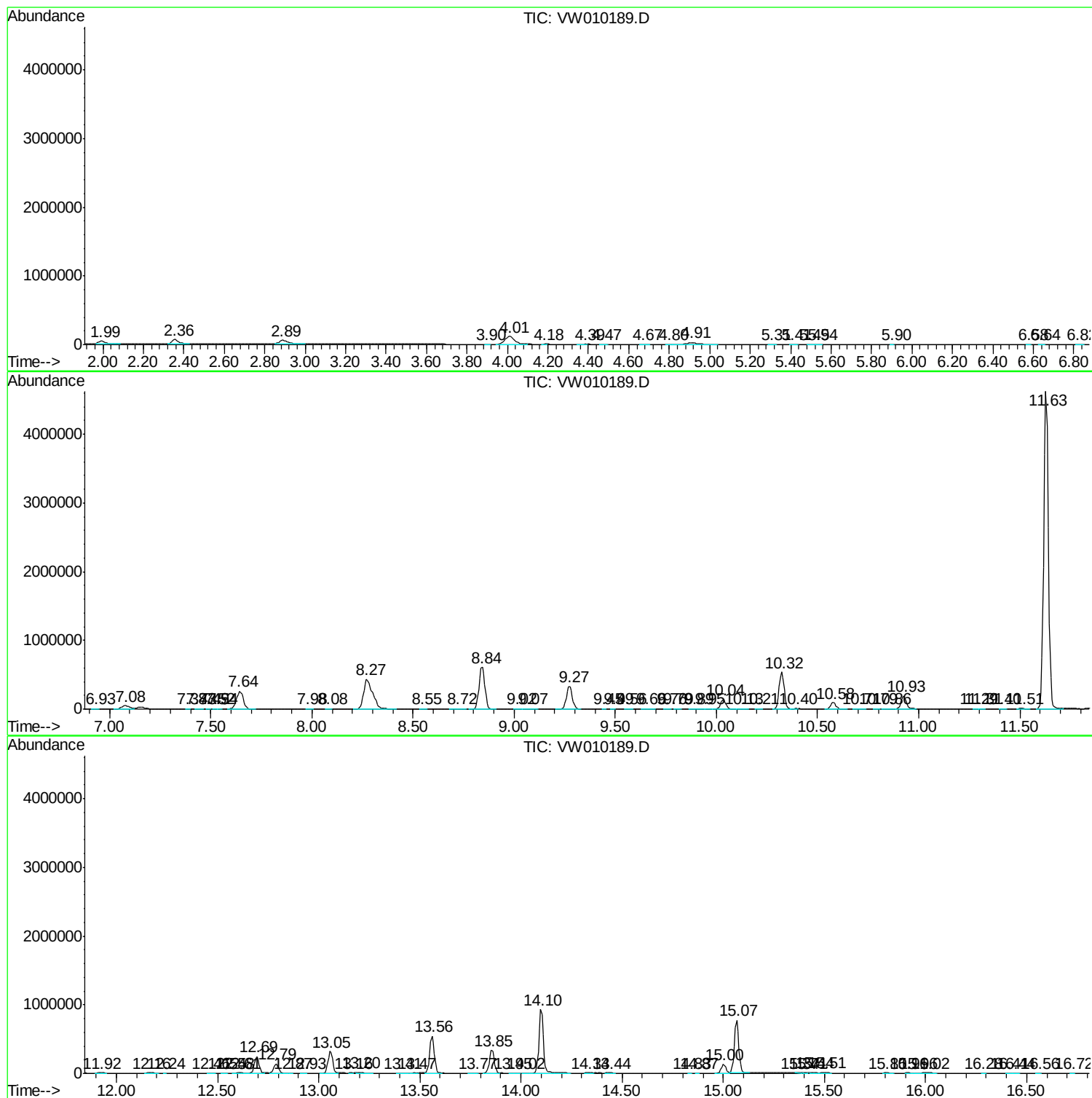
Sum of corrected areas: 19735400

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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



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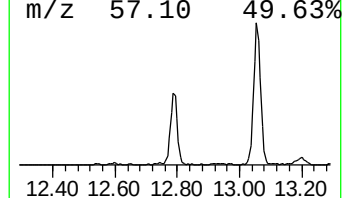
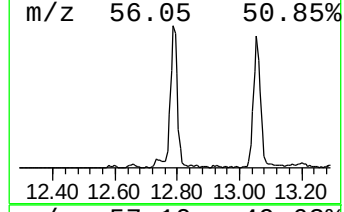
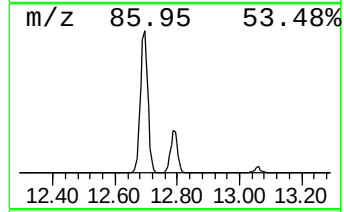
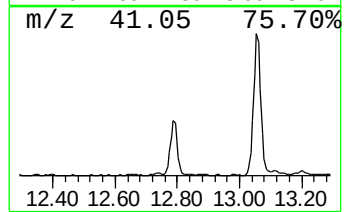
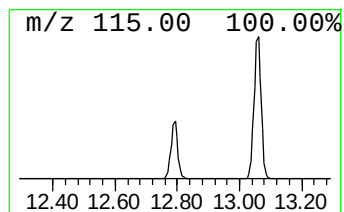
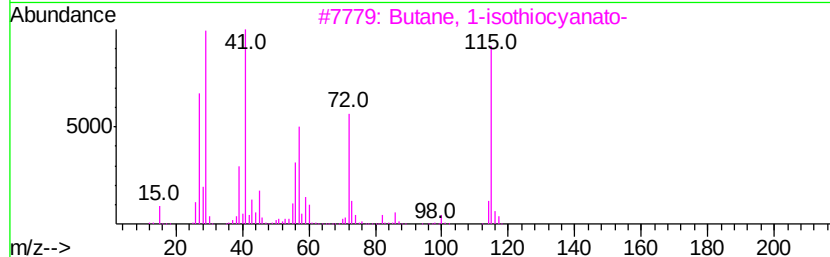
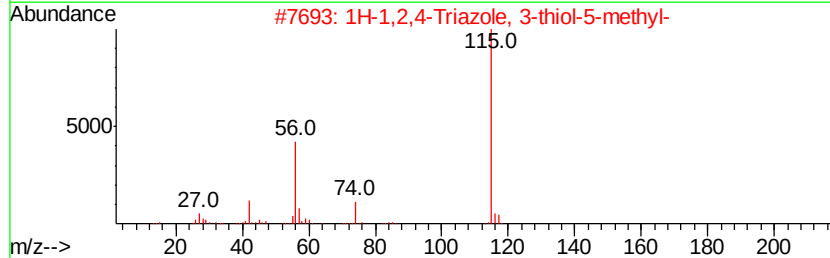
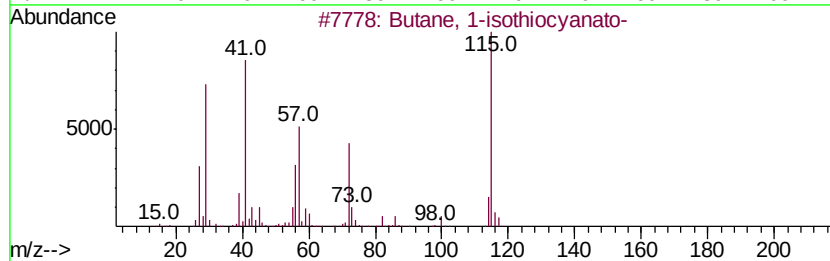
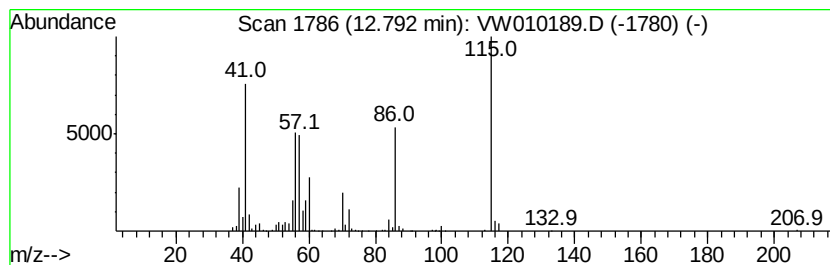
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	6.68 ug/L	225779	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 1-isothiocyano-	115	C5H9NS	000592-82-5	43
2		1H-1,2,4-Triazole, 3-thiol-5-met...	115	C3H5N3S	007271-44-5	38
3		Butane, 1-isothiocyano-	115	C5H9NS	000592-82-5	37
4		Propane, 2-isothiocyano-2-methyl-	115	C5H9NS	000590-42-1	35
5		Cyclohexanol, 2-amino-, cis-	115	C6H13NO	000931-15-7	32



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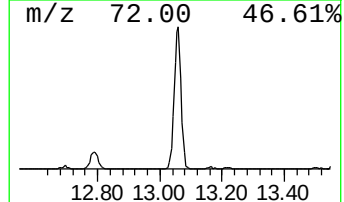
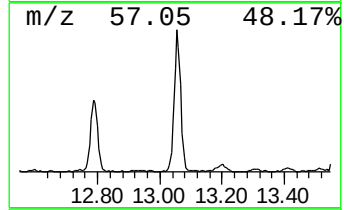
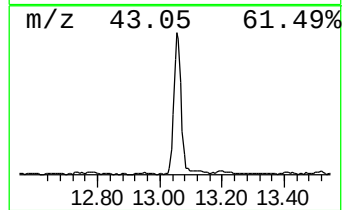
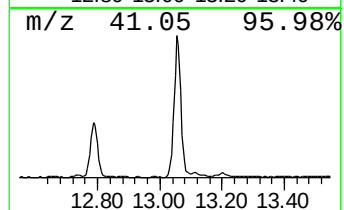
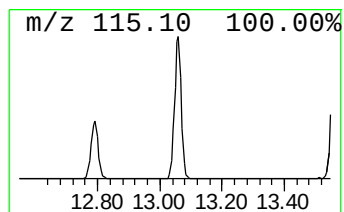
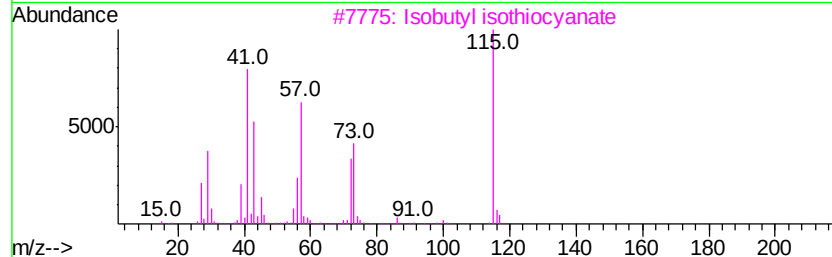
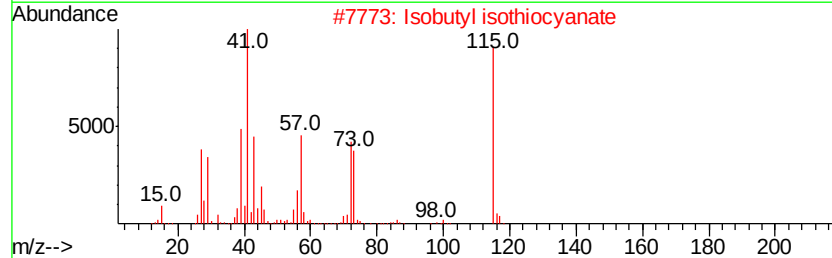
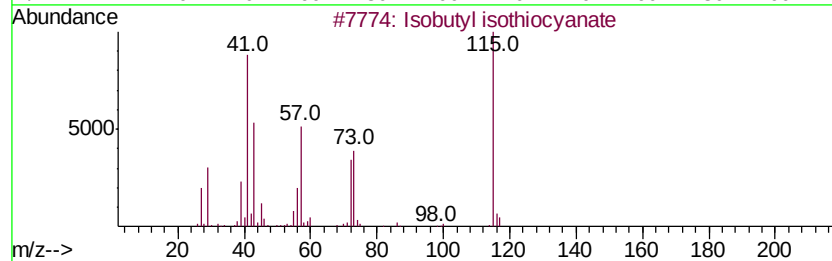
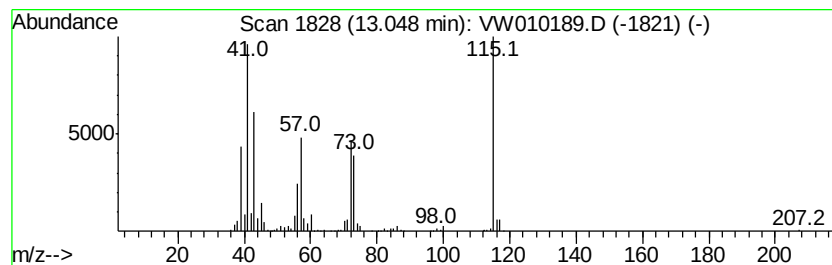
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Quant Title : VOC Analysis

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

Peak Number 2 Isobutyl isothiocyanate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	15.42 ug/L	521130	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isobutyl isothiocyanate	115	C5H9NS	000591-82-2	94
2		Isobutyl isothiocyanate	115	C5H9NS	000591-82-2	87
3		Isobutyl isothiocyanate	115	C5H9NS	000591-82-2	87
4		Butane, 1-isothiocyanato-	115	C5H9NS	000592-82-5	78
5		Butane, 1-isothiocyanato-	115	C5H9NS	000592-82-5	72



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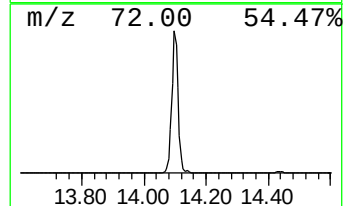
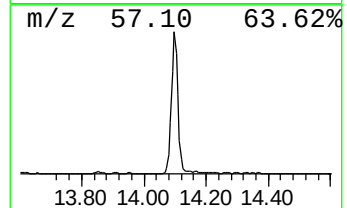
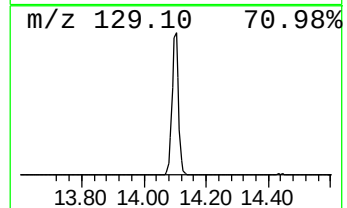
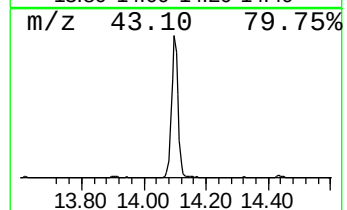
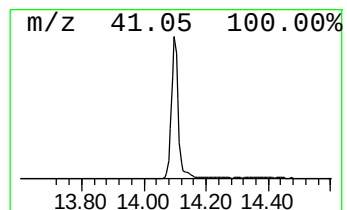
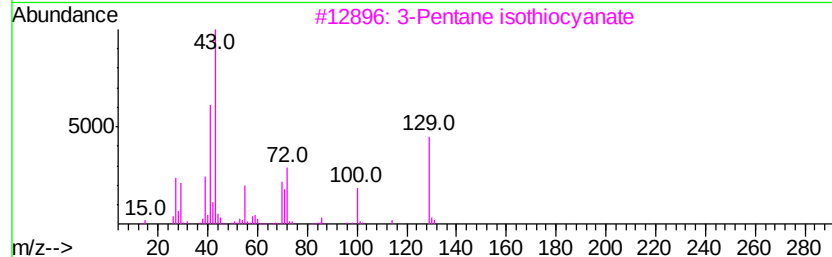
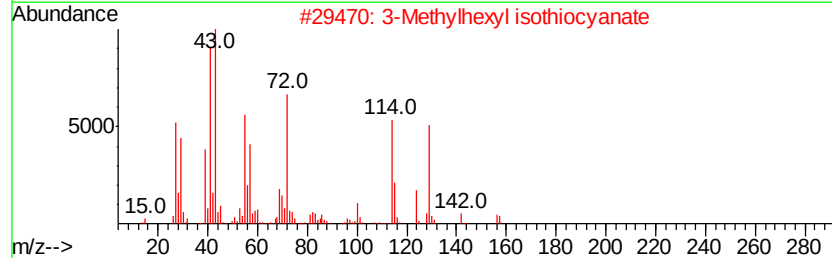
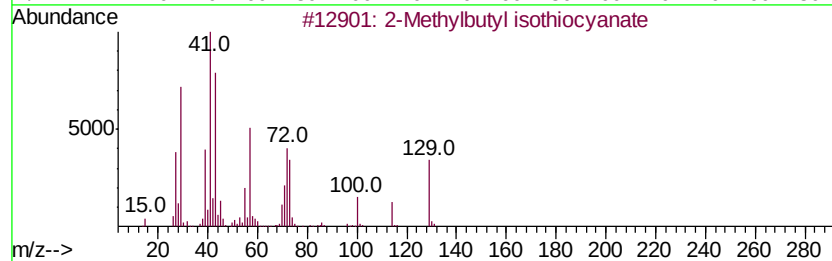
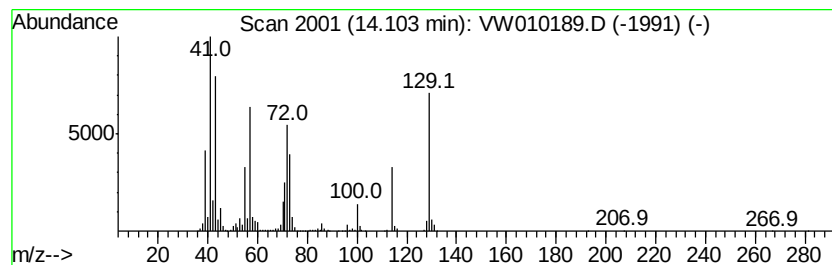
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Quant Title : VOC Analysis

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Peak Number 3 2-Methylbutyl isothiocyanate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	44.16 ug/L	1492310	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Methylbutyl isothiocyanate	129 C6H11NS	004404-51-7	50
2	3-Methylhexyl isothiocyanate	157 C8H15NS	206761-72-0	42
3	3-Pentane isothiocyanate	129 C6H11NS	201224-89-7	35
4	Thiophene, 2-nitro-	129 C4H3NO2S	000609-40-5	35
5	Neopentyl isothiocyanate	129 C6H11NS	000597-97-7	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010189.D
Acq On : 29 Apr 2019 19:26
Operator : SY/VA
Sample : K2596-17
Misc : 4.90G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

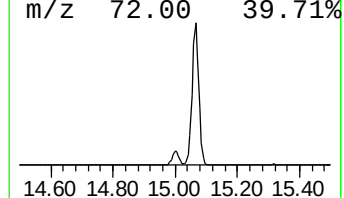
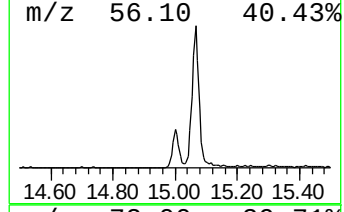
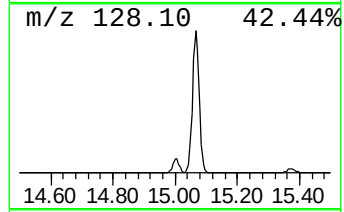
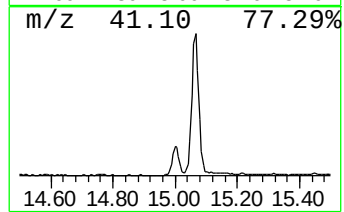
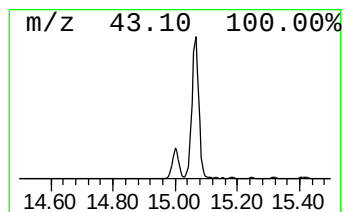
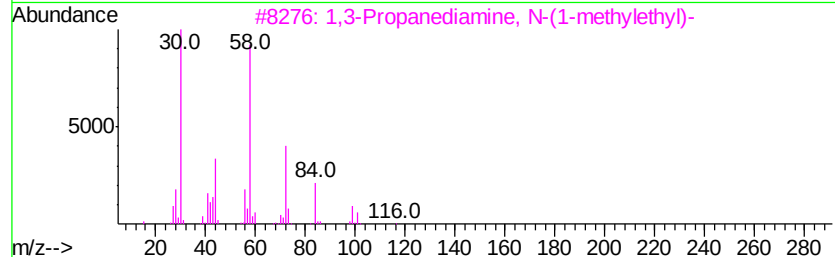
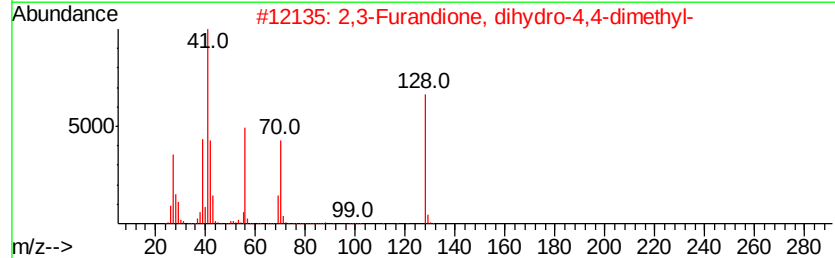
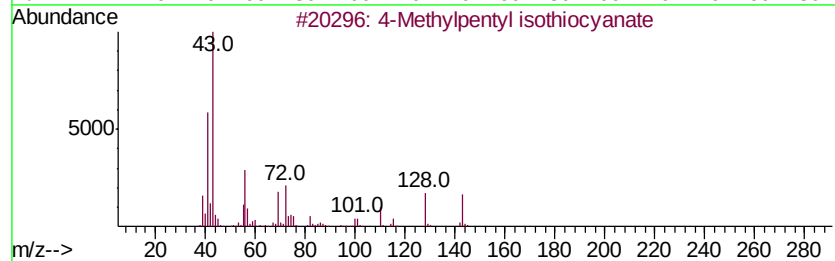
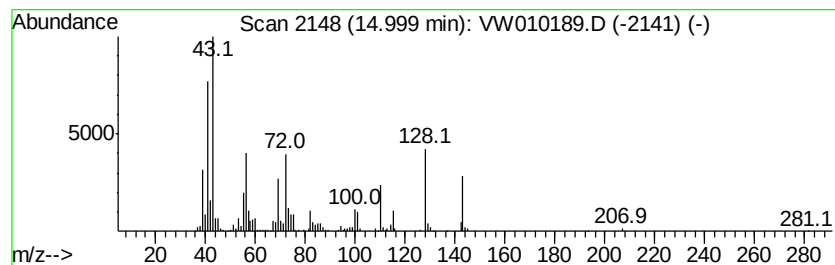
Instrument :
MSVOA_W
ClientSampleId :
BFH43

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 4 4-Methylpentyl isothiocyanate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.00	6.15 ug/L	207981	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylpentyl isothiocyanate	143	C7H13NS	017608-07-0	93
2	2,3-Furandione, dihydro-4,4-dime...	128	C6H8O3	013031-04-4	27
3	1,3-Propanediamine, N-(1-methyle...	116	C6H16N2	003360-16-5	14
4	2-Butene	56	C4H8	000107-01-7	11
5	1-Butene	56	C4H8	000106-98-9	10



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042919\
Data File : VW010189.D
Acq On : 29 Apr 2019 19:26
Operator : SY/VA
Sample : K2596-17
Misc : 4.90G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFH43

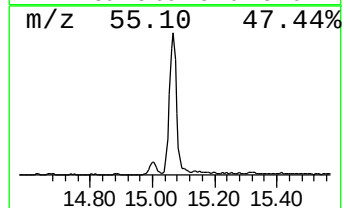
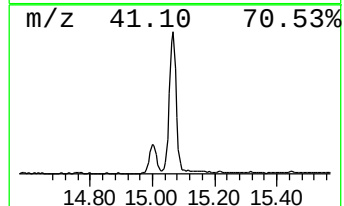
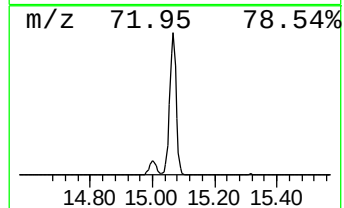
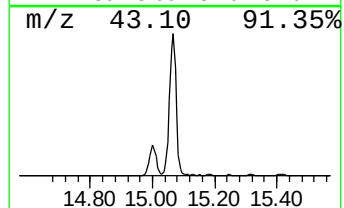
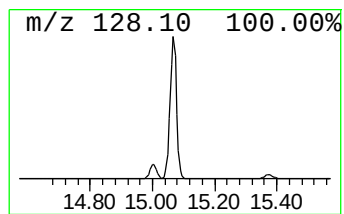
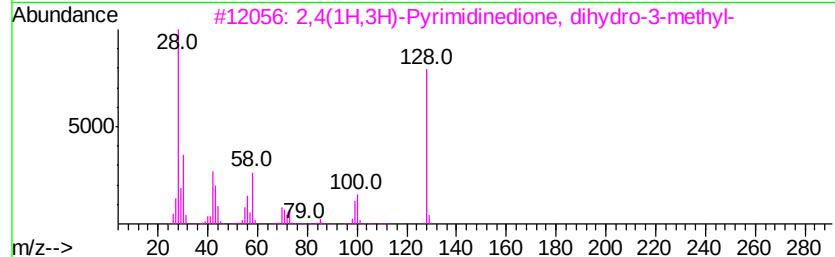
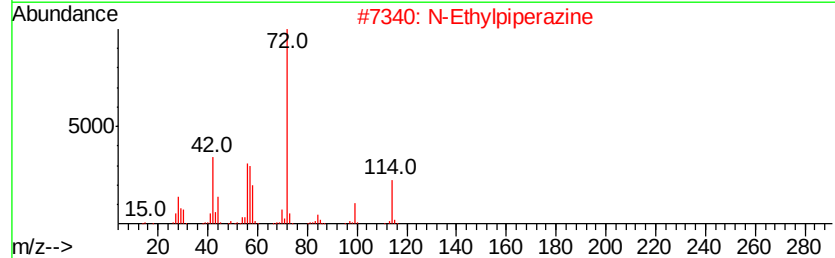
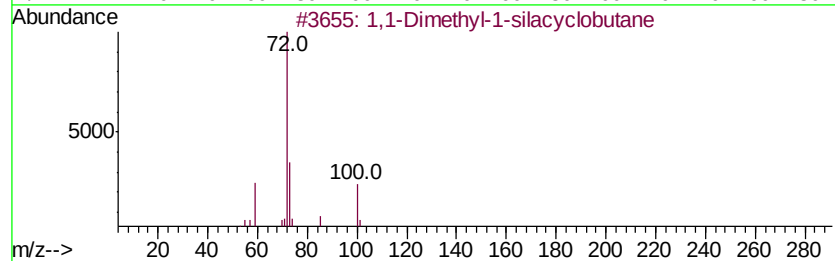
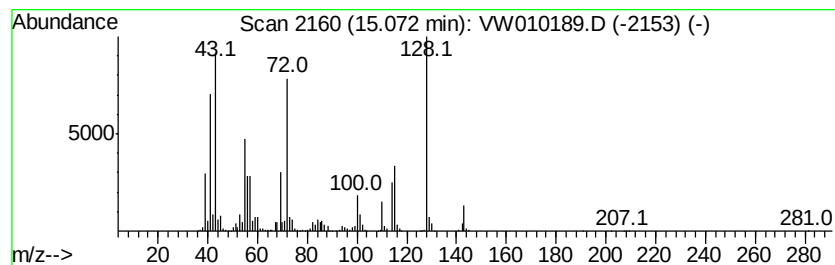
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 5 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	34.35 ug/L	1160790	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1-Dimethyl-1-silacyclobutane	100	C5H12Si	002295-12-7	27
2		N-Ethylpiperazine	114	C6H14N2	005308-25-8	27
3		2,4(1H,3H)-Pyrimidinedione, dihy...	128	C5H8N2O2	001672-04-4	22
4		1-Propanamine, N-ethyl-N-methyl-	101	C6H15N	004458-32-6	22
5		Hydrazinecarboxamide, 2-(1-methy...	115	C4H9N3O	000110-20-3	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042919\
Data File : VW010189.D
Acq On : 29 Apr 2019 19:26
Operator : SY/VA
Sample : K2596-17
Misc : 4.90G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFH43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.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
unknown-01	12.79	6.7	ug/L	225779	3	13.56	844813	25.0
Isobutyl isothioc...	13.05	15.4	ug/L	521130	3	13.56	844813	25.0
2-Methylbutyl iso...	14.10	44.2	ug/L	1492310	3	13.56	844813	25.0
4-Methylpentyl is...	15.00	6.2	ug/L	207981	3	13.56	844813	25.0
unknown-02	15.07	34.4	ug/L	1160790	3	13.56	844813	25.0