

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032319\
 Data File : VW009414.D
 Acq On : 24 Mar 2019 02:38
 Operator : SY/VA
 Sample : K2031-06RE
 Misc : 2.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

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\SOM2WLM031419S.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	1.995	10	15	26	rVB	33687	84596	6.58%	1.060%
2	2.160	39	42	46	rVB5	5294	6331	0.49%	0.079%
3	2.355	70	74	88	rVB	62951	133922	10.41%	1.678%
4	2.892	155	162	175	rBV3	58018	169623	13.19%	2.125%
5	3.824	311	315	316	rBV3	1626	2324	0.18%	0.029%
6	4.013	335	346	359	rBV3	107580	371746	28.90%	4.657%
7	4.379	395	406	418	rBV2	53184	177150	13.77%	2.219%
8	4.605	438	443	445	rBV2	2493	3321	0.26%	0.042%
9	4.897	481	491	493	rBV2	25082	51771	4.02%	0.649%
10	5.050	514	516	519	rVB	1908	2331	0.18%	0.029%
11	5.166	533	535	538	rVV2	2969	3102	0.24%	0.039%
12	5.190	538	539	541	rVV	2280	2127	0.17%	0.027%
13	5.385	563	571	572	rBV2	4965	7379	0.57%	0.092%
14	5.428	572	578	585	rVB4	9392	28473	2.21%	0.357%
15	5.568	599	601	603	rBV	2598	2763	0.21%	0.035%
16	5.854	645	648	650	rBV2	1871	2616	0.20%	0.033%
17	5.934	653	661	665	rBV6	6733	19351	1.50%	0.242%
18	6.062	679	682	685	rVB	1663	2008	0.16%	0.025%
19	6.111	685	690	691	rBV2	1492	2097	0.16%	0.026%
20	6.178	698	701	702	rBV	2401	2178	0.17%	0.027%
21	6.385	731	735	737	rBV	1843	2213	0.17%	0.028%
22	6.464	744	748	751	rVB2	1670	2331	0.18%	0.029%
23	6.635	772	776	780	rVB	2205	3942	0.31%	0.049%
24	6.678	780	783	786	rBV2	1583	1957	0.15%	0.025%
25	6.745	792	794	798	rVB2	2548	3064	0.24%	0.038%
26	7.074	840	848	857	rBV	38685	112312	8.73%	1.407%
27	7.501	915	918	919	rVB2	1984	2140	0.17%	0.027%
28	7.519	919	921	922	rBV2	2622	2755	0.21%	0.035%
29	7.531	922	923	926	rVV2	3723	3349	0.26%	0.042%
30	7.641	932	941	953	rVV	224370	551312	42.86%	6.907%
31	7.939	982	990	992	rBV	4438	8328	0.65%	0.104%
32	8.116	1017	1019	1021	rBV2	2560	2337	0.18%	0.029%
33	8.171	1025	1028	1031	rBV	1918	2204	0.17%	0.028%
34	8.275	1035	1045	1060	rVV4	361663	1286447	100.00%	16.118%

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 Title : VOC Analysis

35	8.500	1071	1082	1087	rBV3	17355	43609	3.39%	0.546%
36	8.610	1098	1100	1102	rVB	2177	2079	0.16%	0.026%
37	8.689	1111	1113	1114	rVV	2547	2378	0.18%	0.030%
38	8.720	1114	1118	1125	rVB6	5053	9903	0.77%	0.124%
39	8.842	1128	1138	1148	rBV	399905	805235	62.59%	10.089%
40	9.275	1201	1209	1223	rVB	262234	534477	41.55%	6.696%
41	9.762	1284	1289	1293	rBV4	4187	7279	0.57%	0.091%
42	9.884	1305	1309	1316	rVB3	6987	12681	0.99%	0.159%
43	10.031	1327	1333	1343	rBV	58897	113904	8.85%	1.427%
44	10.250	1365	1369	1374	rBV6	3479	6297	0.49%	0.079%
45	10.323	1374	1381	1388	rBV	432828	745251	57.93%	9.337%
46	10.384	1388	1391	1397	rVB	23462	39697	3.09%	0.497%
47	10.488	1404	1408	1413	rVB5	4121	6122	0.48%	0.077%
48	10.579	1416	1423	1428	rBV	43163	76356	5.94%	0.957%
49	10.640	1428	1433	1439	rVB2	13226	23653	1.84%	0.296%
50	10.707	1439	1444	1447	rBV2	7231	11044	0.86%	0.138%
51	10.768	1452	1454	1457	rBV3	2276	2269	0.18%	0.028%
52	10.927	1474	1480	1488	rBV	128765	217125	16.88%	2.720%
53	11.067	1500	1503	1513	rVV9	3353	7540	0.59%	0.094%
54	11.183	1517	1522	1523	rBV4	2297	3203	0.25%	0.040%
55	11.536	1576	1580	1583	rBV5	4016	8521	0.66%	0.107%
56	11.634	1587	1596	1605	rVV	428234	754888	58.68%	9.458%
57	11.731	1608	1612	1616	rVB2	12865	19900	1.55%	0.249%
58	11.799	1620	1623	1625	rBV2	2171	3252	0.25%	0.041%
59	11.841	1626	1630	1635	rVB6	7668	13299	1.03%	0.167%
60	11.969	1646	1651	1657	rBV5	11583	22988	1.79%	0.288%
61	12.116	1669	1675	1680	rBV3	32311	55495	4.31%	0.695%
62	12.463	1727	1732	1738	rBV2	19576	34474	2.68%	0.432%
63	12.609	1744	1756	1762	rBV3	16428	31624	2.46%	0.396%
64	12.695	1762	1770	1779	rVB	136862	232108	18.04%	2.908%
65	12.804	1783	1788	1795	rVB2	7745	14397	1.12%	0.180%
66	12.865	1795	1798	1799	rBV2	2667	3502	0.27%	0.044%
67	13.024	1818	1824	1831	rVB3	14388	31467	2.45%	0.394%
68	13.128	1834	1841	1845	rBV4	13649	25477	1.98%	0.319%
69	13.195	1849	1852	1857	rVB4	4419	6831	0.53%	0.086%
70	13.256	1859	1862	1863	rBV3	2918	3317	0.26%	0.042%
71	13.390	1881	1884	1885	rBV	2542	2967	0.23%	0.037%

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72	13.560	1906	1912	1925	rVB	248410	410538	31.91%	5.144%
73	13.652	1925	1927	1932	rVB4	5366	6017	0.47%	0.075%
74	13.725	1936	1939	1941	rBV2	2393	3059	0.24%	0.038%
75	13.762	1941	1945	1951	rVB4	18917	30754	2.39%	0.385%
76	13.853	1954	1960	1966	rBV	178980	309353	24.05%	3.876%
77	13.951	1974	1976	1981	rVV5	3084	4591	0.36%	0.058%
78	14.018	1984	1987	1991	rVB6	4421	6555	0.51%	0.082%
79	14.079	1991	1997	2007	rVB3	20766	40170	3.12%	0.503%
80	14.329	2035	2038	2042	rBV4	5575	10407	0.81%	0.130%
81	14.420	2050	2053	2058	rVB4	2914	5091	0.40%	0.064%
82	14.530	2069	2071	2074	rVB	2459	2671	0.21%	0.033%
83	14.694	2095	2098	2101	rBV4	2970	4210	0.33%	0.053%
84	14.865	2122	2126	2127	rBV3	2763	3924	0.31%	0.049%
85	14.963	2134	2142	2153	rBV9	9535	36077	2.80%	0.452%
86	15.249	2184	2189	2191	rBV3	2388	3425	0.27%	0.043%
87	15.286	2191	2195	2197	rVV3	1821	2565	0.20%	0.032%
88	15.371	2207	2209	2210	rBV	2445	2502	0.19%	0.031%
89	15.444	2213	2221	2226	rVV6	20355	45829	3.56%	0.574%
90	15.499	2227	2230	2235	rVB2	10644	18825	1.46%	0.236%
91	15.810	2278	2281	2287	rVB6	8826	11429	0.89%	0.143%
92	15.901	2294	2296	2301	rVB3	3688	4340	0.34%	0.054%
93	15.969	2301	2307	2309	rBV6	3694	7019	0.55%	0.088%
94	16.145	2334	2336	2339	rVB	2616	3077	0.24%	0.039%
95	16.188	2339	2343	2346	rBV3	2338	2828	0.22%	0.035%
96	16.261	2352	2355	2357	rBV3	1582	2162	0.17%	0.027%
97	16.395	2375	2377	2378	rBV	2817	1954	0.15%	0.024%
98	16.468	2386	2389	2390	rBV3	2036	2190	0.17%	0.027%
99	16.511	2392	2396	2397	rBV	3156	2808	0.22%	0.035%
100	16.767	2437	2438	2441	rBV2	2818	2791	0.22%	0.035%

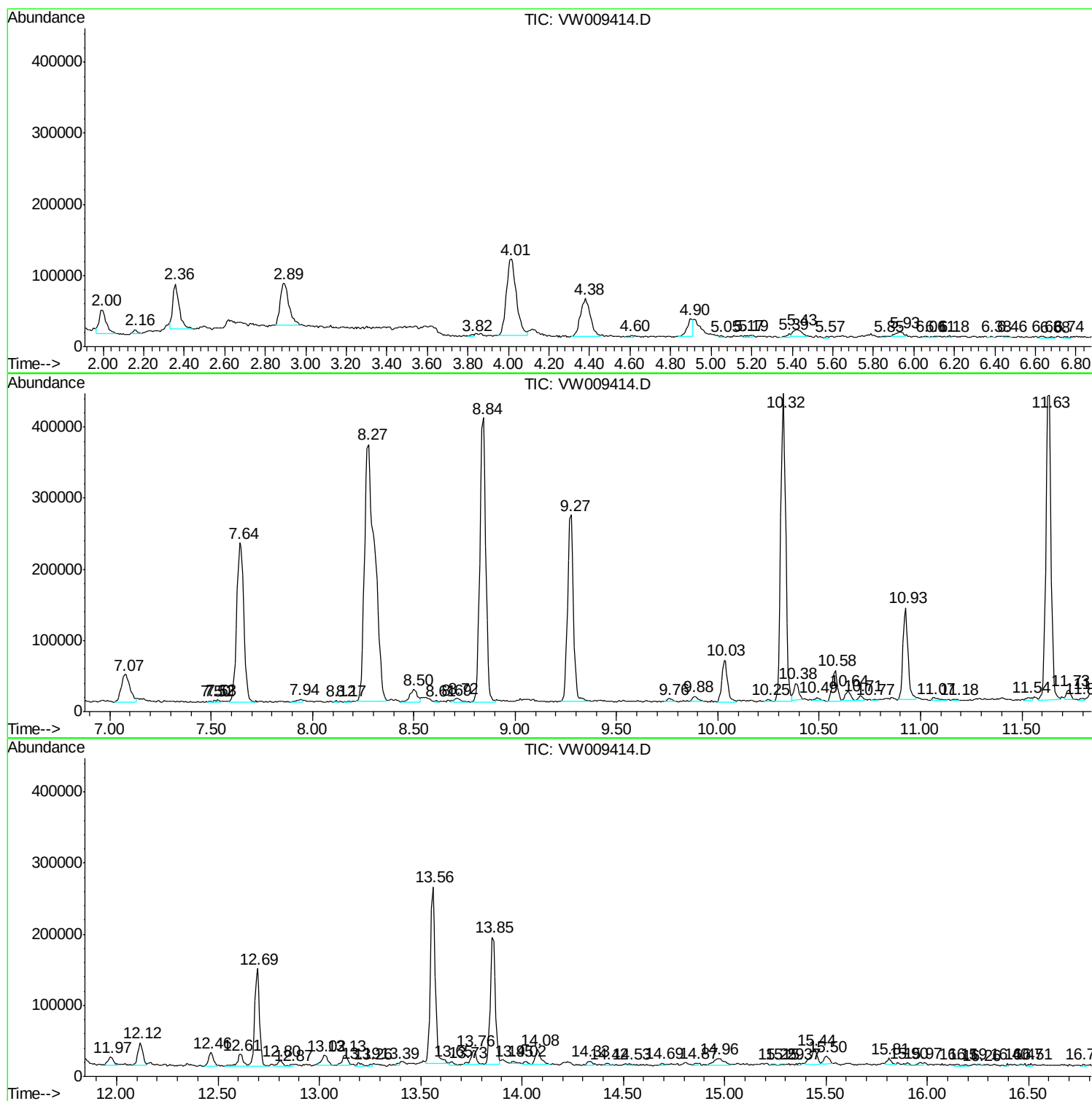
Sum of corrected areas: 7981670

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Instrument :
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ClientSampleId :

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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



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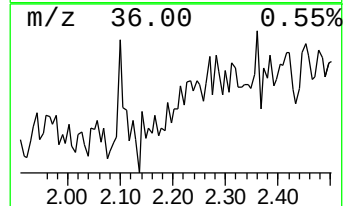
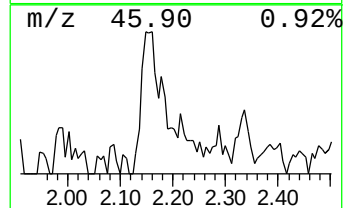
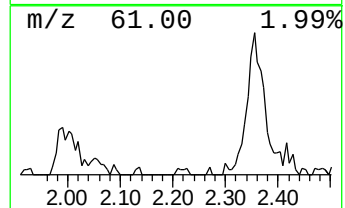
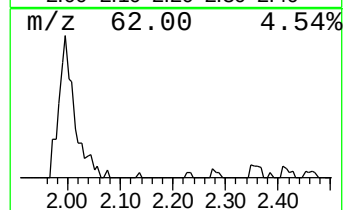
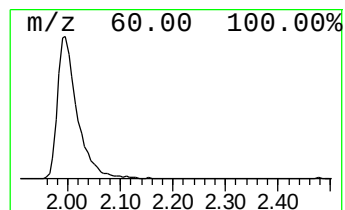
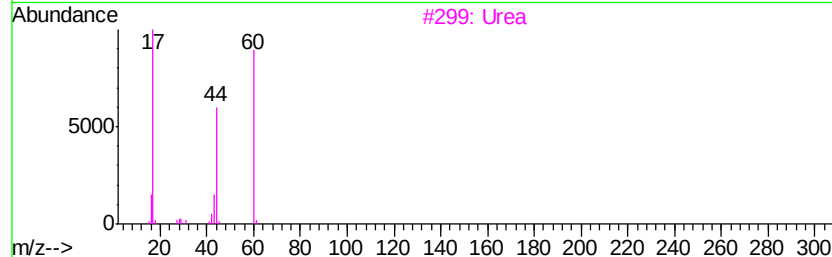
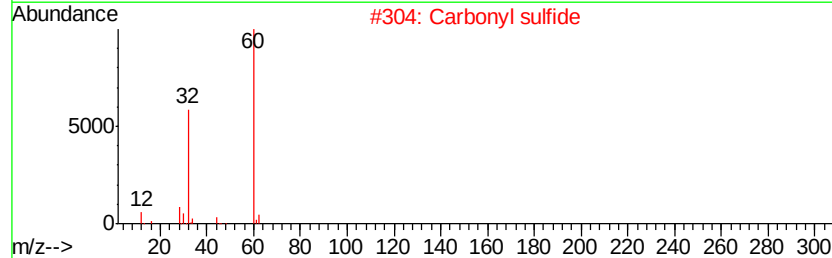
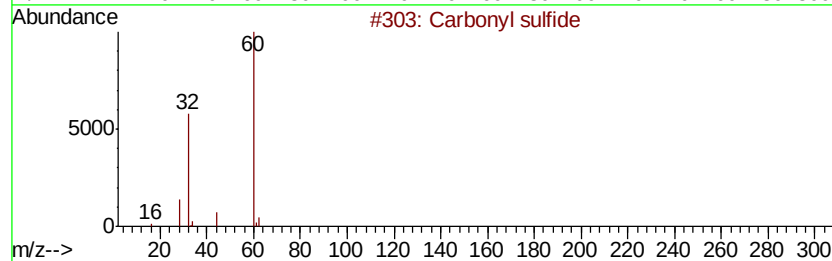
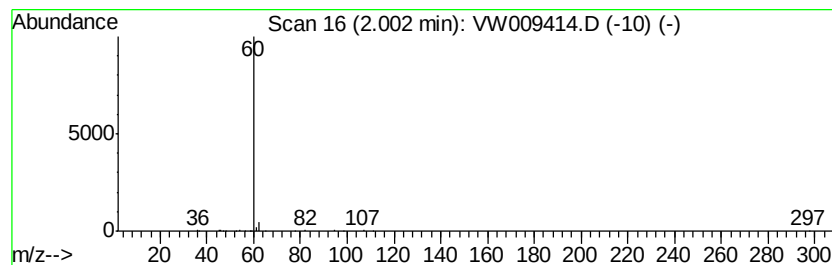
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 1 Carbonyl sulfide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	2.63 ug/L	84596	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Carbonyl sulfide	60	COS	000463-58-1	5
2		Carbonyl sulfide	60	COS	000463-58-1	5
3		Urea	60	CH4N2O	000057-13-6	2
4		Formic acid hydrazide	60	CH4N2O	000624-84-0	2
5		Urea	60	CH4N2O	000057-13-6	2



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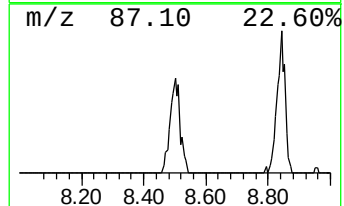
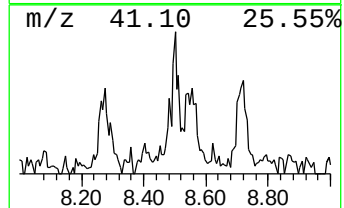
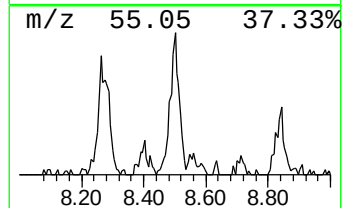
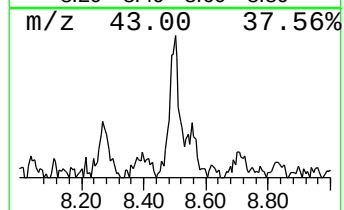
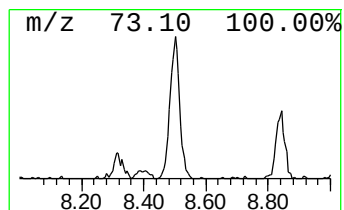
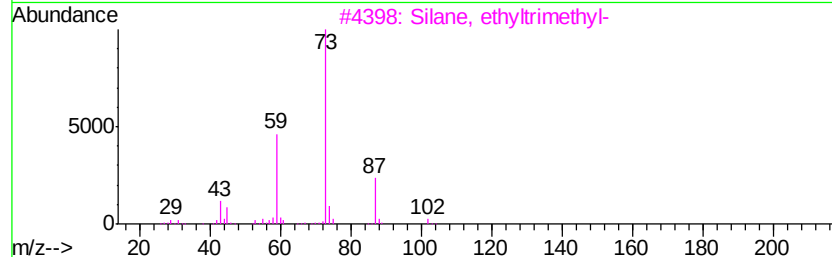
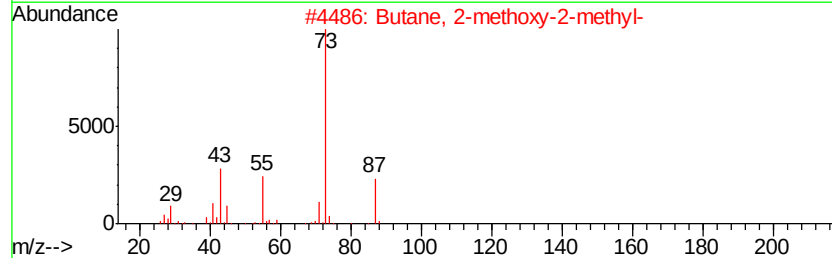
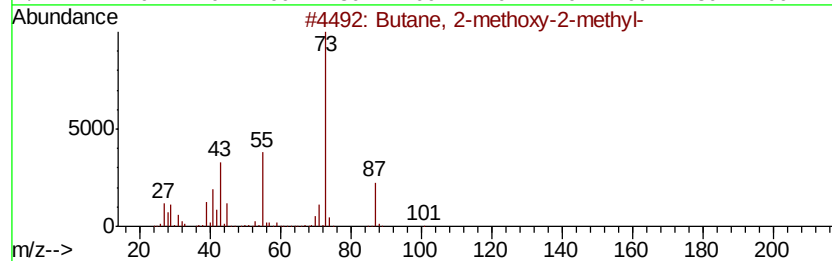
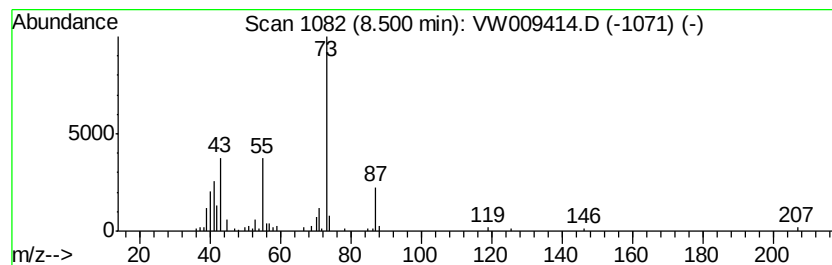
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Quant Title : VOC Analysis

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	1.35 ug/L	43609	1,4-Difluorobenzene	8.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butane, 2-methoxy-2-methyl-	102 C6H14O	000994-05-8	53
2	Butane, 2-methoxy-2-methyl-	102 C6H14O	000994-05-8	40
3	Silane, ethyltrimethyl-	102 C5H14Si	003439-38-1	32
4	1-Propene-1-thiol	74 C3H6S	000925-89-3	27
5	Boronic acid, ethyl-, dimethyl e...	102 C4H11B02	007318-82-3	16



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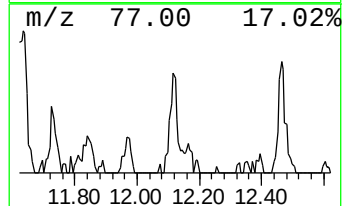
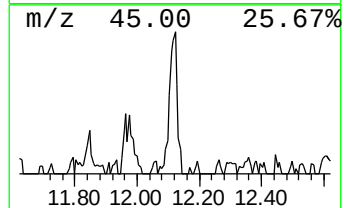
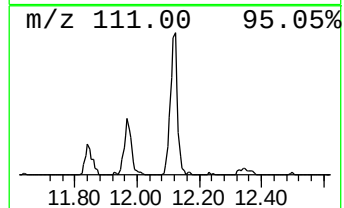
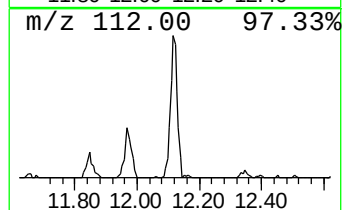
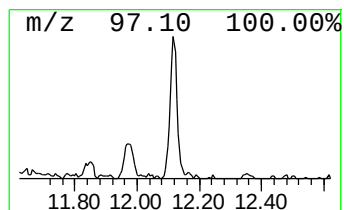
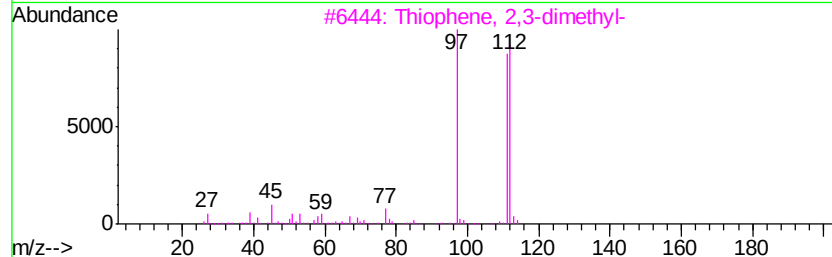
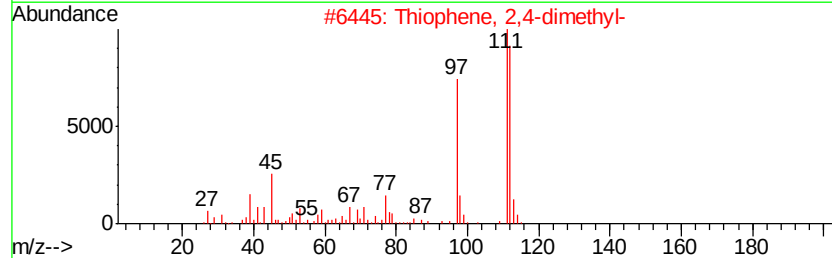
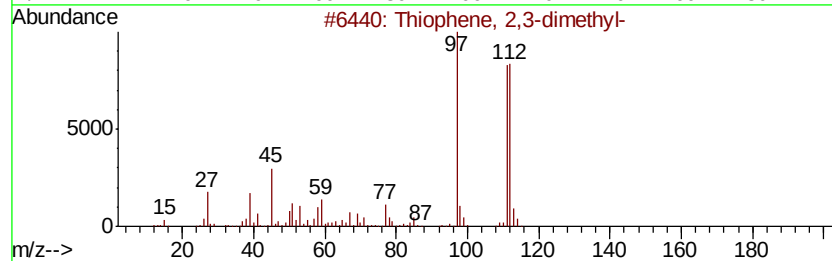
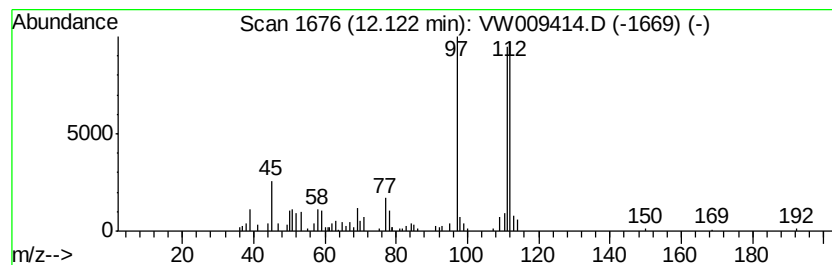
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 4 Thiophene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	1.84 ug/L	55495	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	91	
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	91	
3	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	78	
4	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	68	
5	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	64	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032319\
Data File : VW009414.D
Acq On : 24 Mar 2019 02:38
Operator : SY/VA
Sample : K2031-06RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

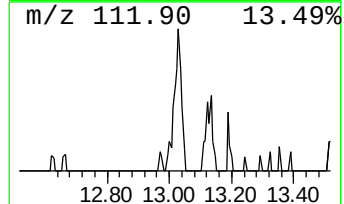
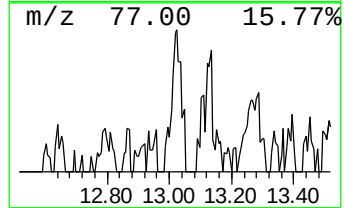
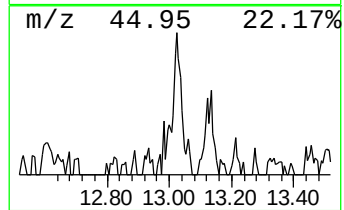
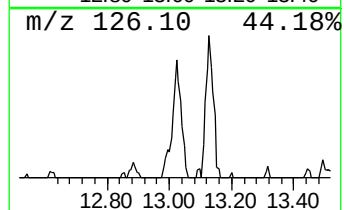
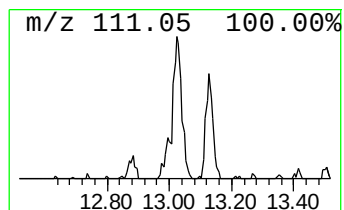
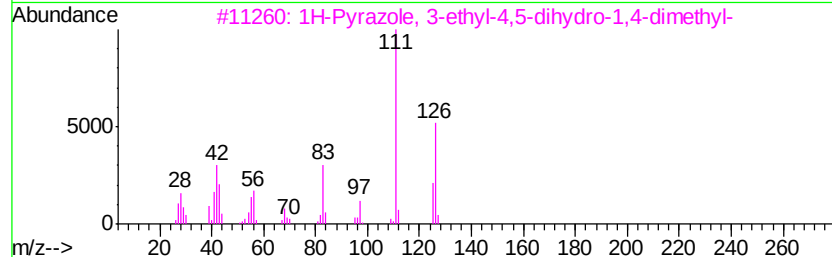
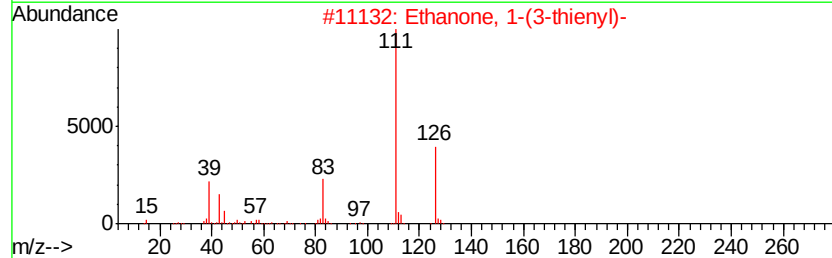
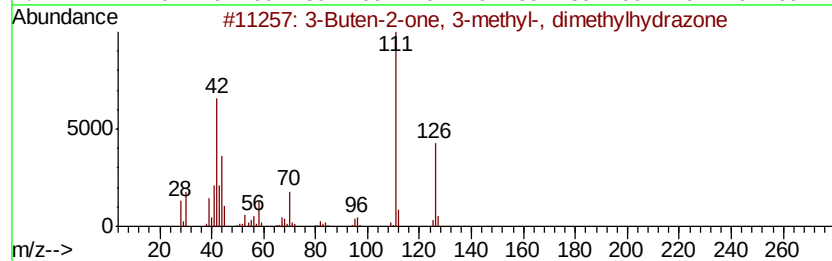
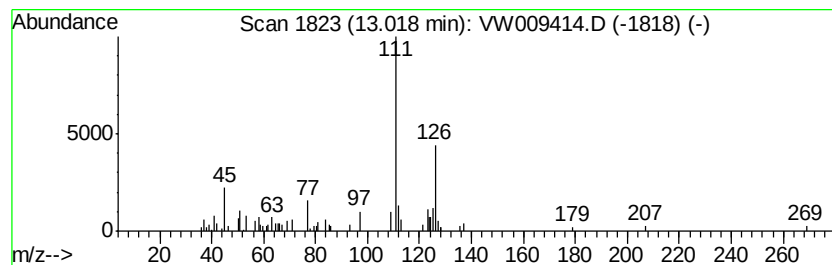
Instrument :
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ClientSampleId :

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 6 3-Buten-2-one, 3-methyl-, d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.02	1.92 ug/L	31467	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-, dimeth...	126	C7H14N2	075268-10-9	58
2	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	53
3	1H-Pyrazole, 3-ethyl-4,5-dihydro...	126	C7H14N2	075011-91-5	53
4	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	53
5	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032319\
Data File : VW009414.D
Acq On : 24 Mar 2019 02:38
Operator : SY/VA
Sample : K2031-06RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

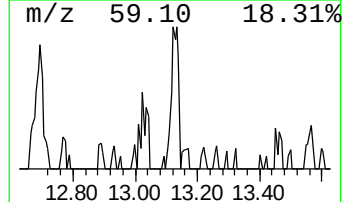
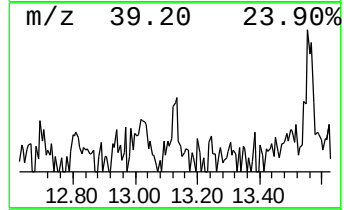
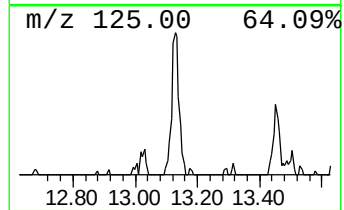
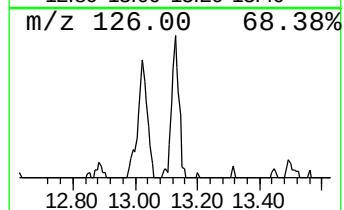
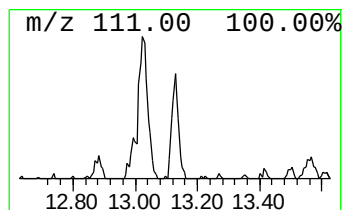
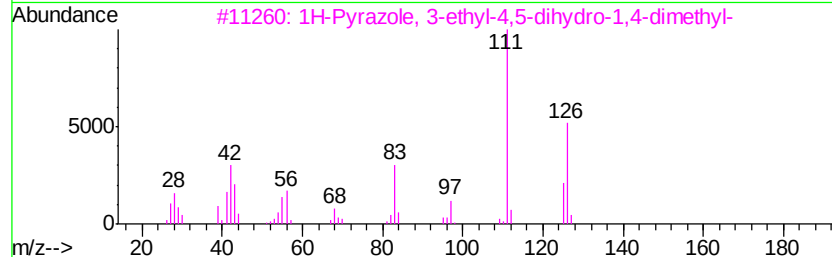
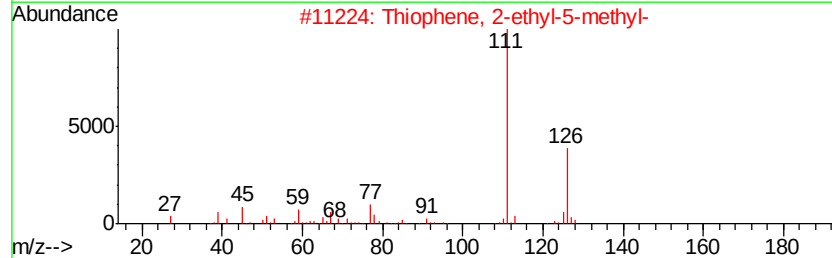
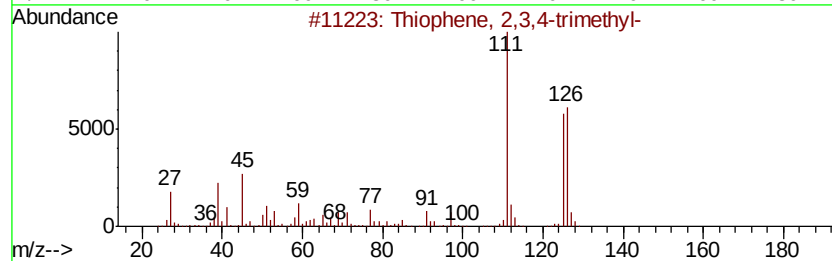
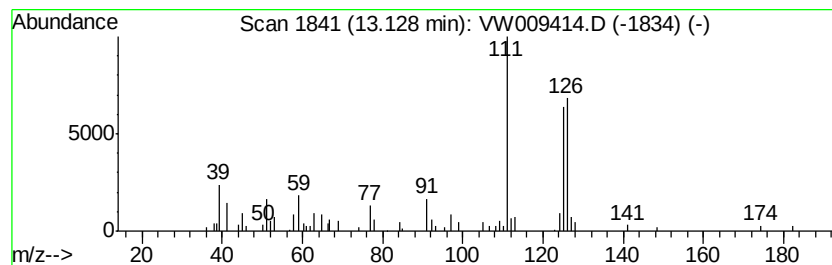
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Quant Title : VOC Analysis

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

Peak Number 7 Thiophene, 2,3,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	1.55 ug/L	25477	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Thiophene, 2,3,4-trimethyl-	126	C7H10S	001795-04-6	72
2		Thiophene, 2-ethyl-5-methyl-	126	C7H10S	040323-88-4	70
3		1H-Pyrazole, 3-ethyl-4,5-dihydro...	126	C7H14N2	075011-91-5	64
4		Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	53
5		Ethanone, 1-(2-thienyl)-	126	C6H6OS	000088-15-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032319\
Data File : VW009414.D
Acq On : 24 Mar 2019 02:38
Operator : SY/VA
Sample : K2031-06RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

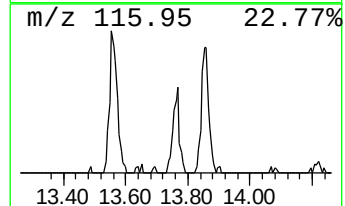
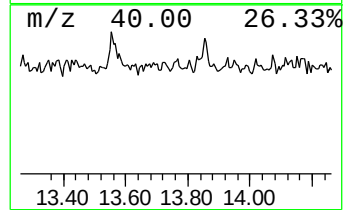
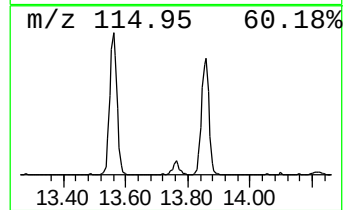
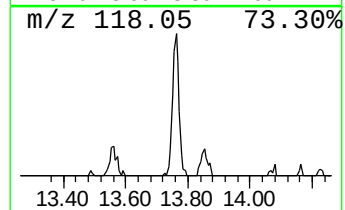
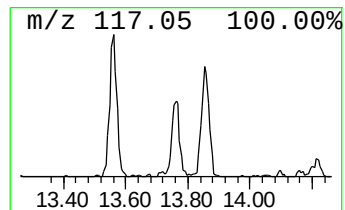
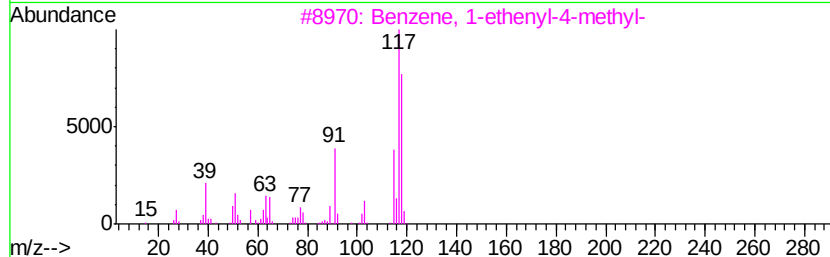
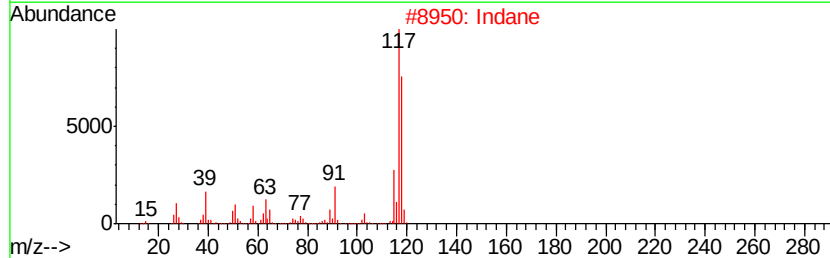
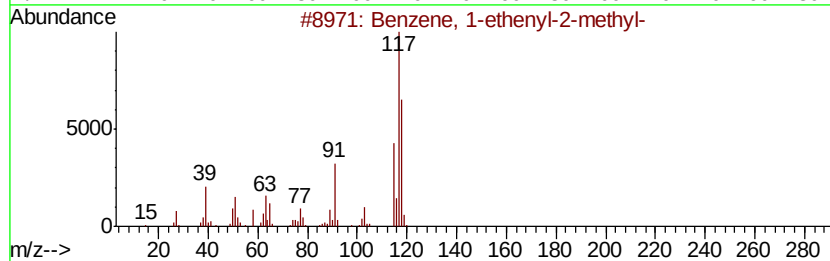
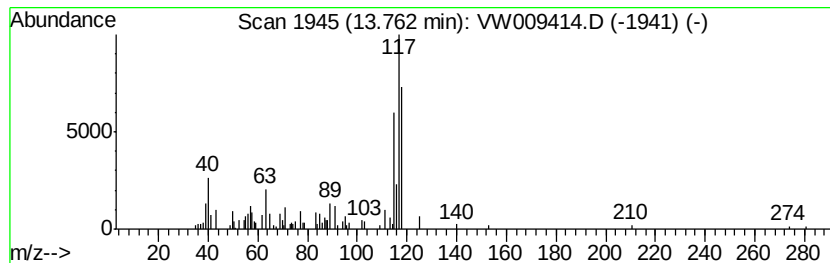
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.87 ug/L	30754	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	58
2		Indane	118	C9H10	000496-11-7	58
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	53
4		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	52
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032319\
Data File : VW009414.D
Acq On : 24 Mar 2019 02:38
Operator : SY/VA
Sample : K2031-06RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

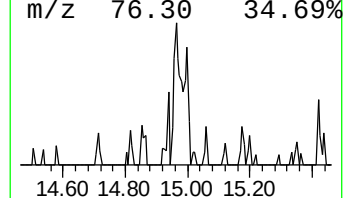
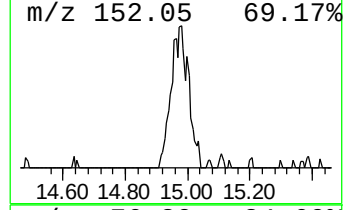
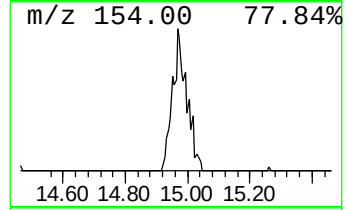
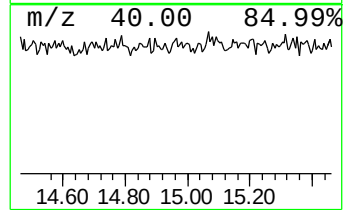
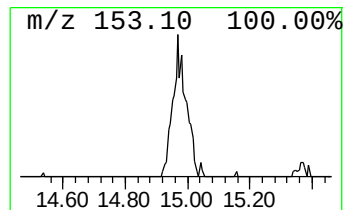
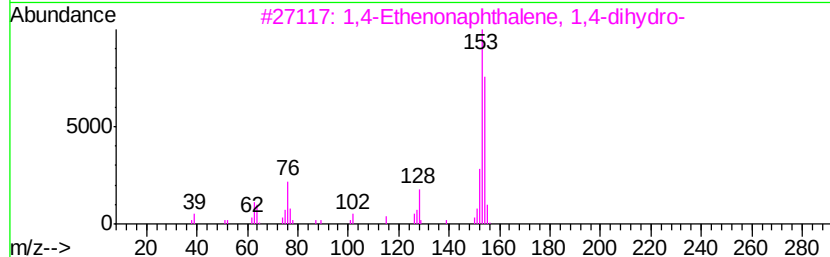
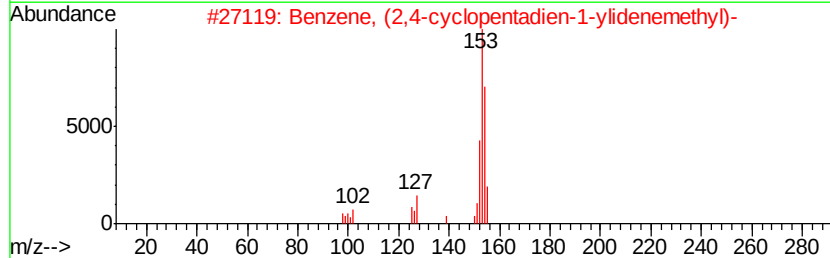
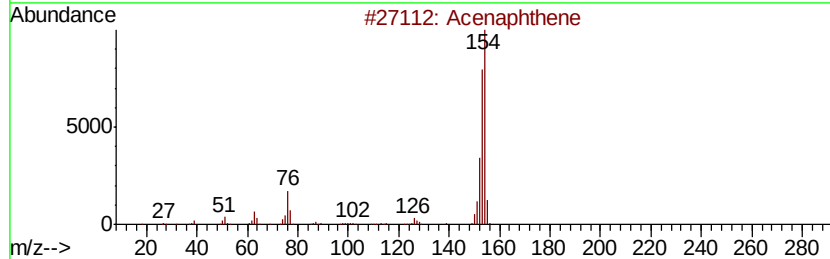
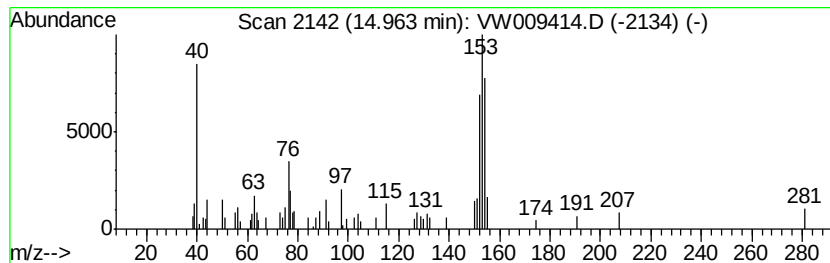
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Quant Title : VOC Analysis

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

Peak Number 10 Acenaphthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.20 ug/L	36077	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene		154	C12H10	000083-32-9	70
2	Benzene, (2,4-cyclopentadien-1-yl-...		154	C12H10	007338-50-3	68
3	1,4-Ethenonaphthalene, 1,4-dihydro-		154	C12H10	007322-47-6	58
4	Naphthalene, 2-ethenyl-		154	C12H10	000827-54-3	53
5	Acenaphthene		154	C12H10	000083-32-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032319\
Data File : VW009414.D
Acq On : 24 Mar 2019 02:38
Operator : SY/VA
Sample : K2031-06RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

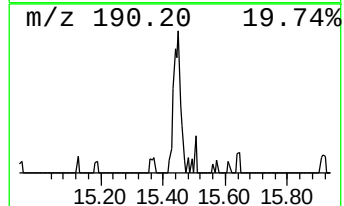
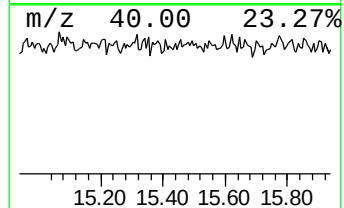
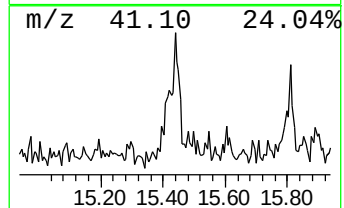
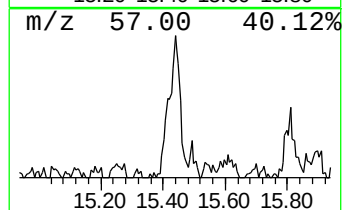
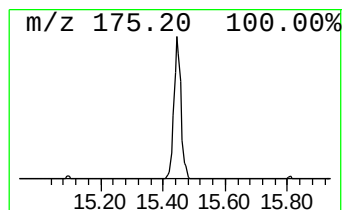
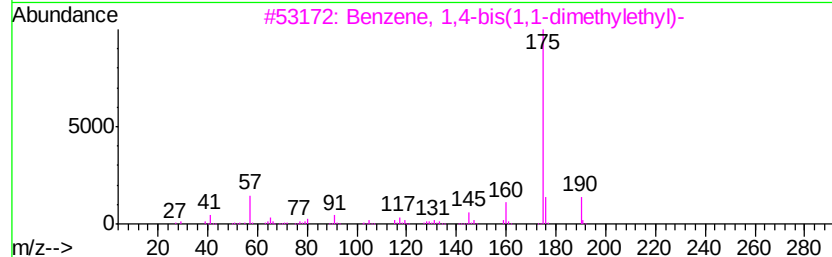
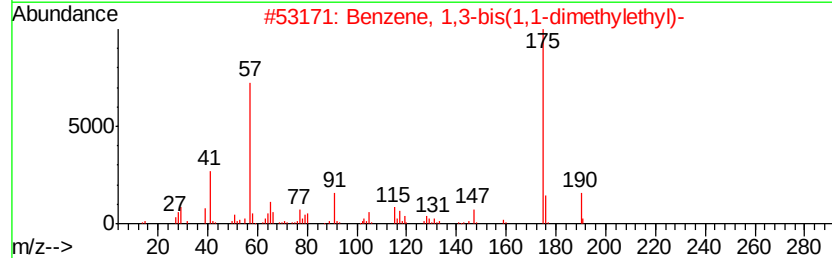
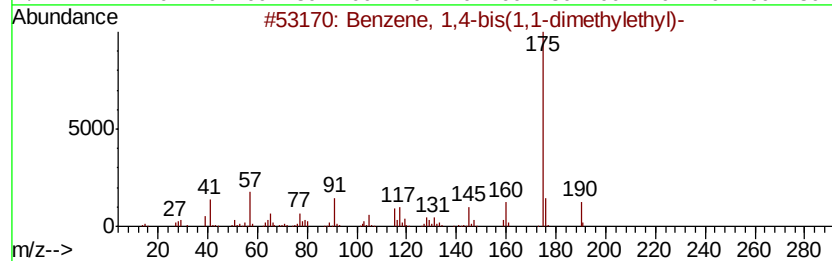
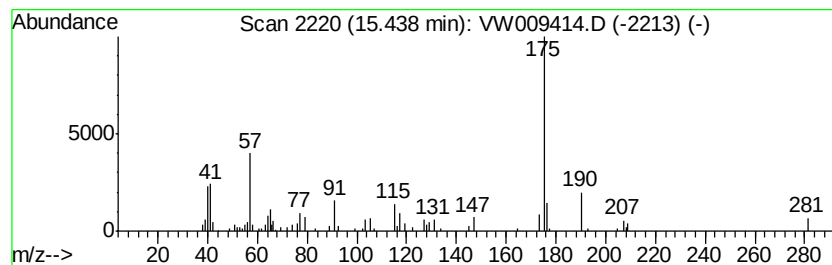
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1,4-bis(1,1-dimeth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	2.79 ug/L	45829	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	83
2		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	78
3		Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	59
4		p-Pentylacetophenone	190	C13H18O	037593-02-5	53
5		N-Phenylsuccinimide	175	C10H9NO2	000083-25-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032319\
Data File : VW009414.D
Acq On : 24 Mar 2019 02:38
Operator : SY/VA
Sample : K2031-06RE
Misc : 2.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.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
Carbonyl sulfide	2.00	2.6	ug/L	84596	1	8.84	805235	25.0
Butane, 2-methoxy...	8.50	1.4	ug/L	43609	1	8.84	805235	25.0
Thiophene, 2,3-di...	12.12	1.8	ug/L	55495	2	11.63	754888	25.0
3-Buten-2-one, 3-...	13.02	1.9	ug/L	31467	3	13.56	410538	25.0
Thiophene, 2,3,4-...	13.13	1.6	ug/L	25477	3	13.56	410538	25.0
Benzene, 1-etheny...	13.76	1.9	ug/L	30754	3	13.56	410538	25.0
Acenaphthene	14.96	2.2	ug/L	36077	3	13.56	410538	25.0
Benzene, 1,4-bis(...	15.44	2.8	ug/L	45829	3	13.56	410538	25.0