

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016663.D
 Acq On : 08 Jun 2020 16:37
 Operator : SY/MD
 Sample : L2861-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E63

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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	1.312	63	69	78	rBV	188665	187669	12.43%	1.425%
2	1.560	140	146	161	rVB	127879	155693	10.31%	1.182%
3	2.116	310	319	334	rBV	293521	429492	28.44%	3.262%
4	2.373	397	399	400	rBV2	1288	554	0.04%	0.004%
5	2.434	416	418	420	rBV3	1301	701	0.05%	0.005%
6	2.685	494	496	499	rVB3	1892	994	0.07%	0.008%
7	2.830	538	541	544	rBV4	1487	1124	0.07%	0.009%
8	2.859	548	550	555	rVB5	1540	851	0.06%	0.006%
9	2.888	557	559	561	rVB3	1170	461	0.03%	0.004%
10	2.929	568	572	573	rBV2	1012	653	0.04%	0.005%
11	2.952	577	579	581	rVB	995	344	0.02%	0.003%
12	2.962	581	582	583	rBV	1046	294	0.02%	0.002%
13	2.987	588	590	592	rVB3	666	216	0.01%	0.002%
14	3.000	592	594	595	rBV2	668	354	0.02%	0.003%
15	3.042	600	607	610	rBV9	1974	2183	0.14%	0.017%
16	3.081	617	619	621	rBV3	1026	547	0.04%	0.004%
17	3.126	631	633	634	rBV2	1187	419	0.03%	0.003%
18	3.164	644	645	647	rBV2	815	291	0.02%	0.002%
19	3.212	650	660	670	rVV10	4973	10349	0.69%	0.079%
20	3.273	676	679	681	rBV3	1182	666	0.04%	0.005%
21	3.373	707	710	712	rBV3	1438	719	0.05%	0.005%
22	3.383	712	713	715	rBV2	920	465	0.03%	0.004%
23	3.457	729	736	741	rBV8	1936	2560	0.17%	0.019%
24	3.489	743	746	748	rVV4	1611	813	0.05%	0.006%
25	3.511	752	753	754	rVB	1009	195	0.01%	0.001%
26	3.527	757	758	759	rBV	609	174	0.01%	0.001%
27	3.537	759	761	762	rVV2	794	245	0.02%	0.002%
28	3.569	769	771	773	rBV2	761	444	0.03%	0.003%
29	3.585	774	776	779	rVB4	1451	798	0.05%	0.006%
30	3.637	790	792	793	rBV2	681	247	0.02%	0.002%
31	3.646	793	795	796	rVB2	723	210	0.01%	0.002%
32	3.701	808	812	814	rBV3	1003	625	0.04%	0.005%
33	3.794	840	841	842	rBV	764	172	0.01%	0.001%
34	3.810	842	846	849	rVB6	1558	1014	0.07%	0.008%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016663.D
 Acq On : 08 Jun 2020 16:37
 Operator : SY/MD
 Sample : L2861-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E63

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Title : VOC Analysis

35	3.826	849	851	852	rBV2	651	312	0.02%	0.002%
36	3.894	862	872	906	rBV	117579	302618	20.04%	2.298%
37	4.103	929	937	938	rBV8	3239	2958	0.20%	0.022%
38	4.257	984	985	987	rBV2	1038	423	0.03%	0.003%
39	4.280	990	992	994	rBV3	1221	638	0.04%	0.005%
40	4.373	1007	1021	1042	rBV2	240060	578056	38.28%	4.390%
41	4.598	1087	1091	1092	rBV4	1411	875	0.06%	0.007%
42	4.608	1092	1094	1096	rBV2	907	460	0.03%	0.003%
43	4.749	1134	1138	1141	rBV5	1320	784	0.05%	0.006%
44	4.769	1141	1144	1146	rVV3	1467	875	0.06%	0.007%
45	4.962	1193	1204	1205	rBV8	2766	3599	0.24%	0.027%
46	5.071	1218	1238	1253	rBV2	592500	1510003	100.00%	11.467%
47	5.640	1401	1415	1443	rBV	449449	901123	59.68%	6.843%
48	5.759	1450	1452	1453	rBV2	1538	617	0.04%	0.005%
49	6.093	1544	1556	1579	rVB	338575	671251	44.45%	5.097%
50	6.338	1629	1632	1634	rBV4	1310	896	0.06%	0.007%
51	6.415	1646	1656	1659	rBV10	3811	5811	0.38%	0.044%
52	6.502	1682	1683	1688	rVB5	1324	894	0.06%	0.007%
53	6.543	1695	1696	1699	rBV3	968	444	0.03%	0.003%
54	6.714	1746	1749	1750	rBV3	1602	938	0.06%	0.007%
55	6.746	1757	1759	1761	rVB3	623	304	0.02%	0.002%
56	7.006	1828	1840	1858	rBV	223343	409913	27.15%	3.113%
57	7.338	1932	1943	1962	rVB	695361	1191336	78.90%	9.047%
58	7.640	2029	2037	2055	rVB	135658	224725	14.88%	1.707%
59	8.106	2170	2182	2213	rBV	406104	739409	48.97%	5.615%
60	8.666	2351	2356	2357	rBV4	3032	2618	0.17%	0.020%
61	8.797	2389	2397	2402	rBV9	6830	11068	0.73%	0.084%
62	8.875	2410	2421	2431	rBV	668453	1078781	71.44%	8.192%
63	9.283	2536	2548	2557	rBV	342411	576235	38.16%	4.376%
64	9.405	2578	2586	2597	rBV	139425	217004	14.37%	1.648%
65	9.469	2599	2606	2630	rVB	123625	227342	15.06%	1.726%
66	9.739	2680	2690	2702	rBV3	112988	197340	13.07%	1.499%
67	9.884	2729	2735	2754	rVB	170512	277675	18.39%	2.109%
68	10.238	2836	2845	2859	rVB	532355	863875	57.21%	6.560%
69	11.270	3157	3166	3189	rVB	734974	1158858	76.75%	8.800%
70	11.646	3273	3283	3297	rVB	767077	1185951	78.54%	9.006%
71	13.649	3899	3906	3914	rBV4	6429	11281	0.75%	0.086%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Title : VOC Analysis

72	13.951	3997	4000	4002	rBV3	1774	1167	0.08%	0.009%
73	14.540	4178	4183	4187	rBV7	2976	3159	0.21%	0.024%
74	14.961	4310	4314	4317	rBV6	2636	1892	0.13%	0.014%
75	15.254	4403	4405	4406	rBV2	1849	773	0.05%	0.006%
76	15.704	4542	4545	4548	rBV5	2080	1472	0.10%	0.011%

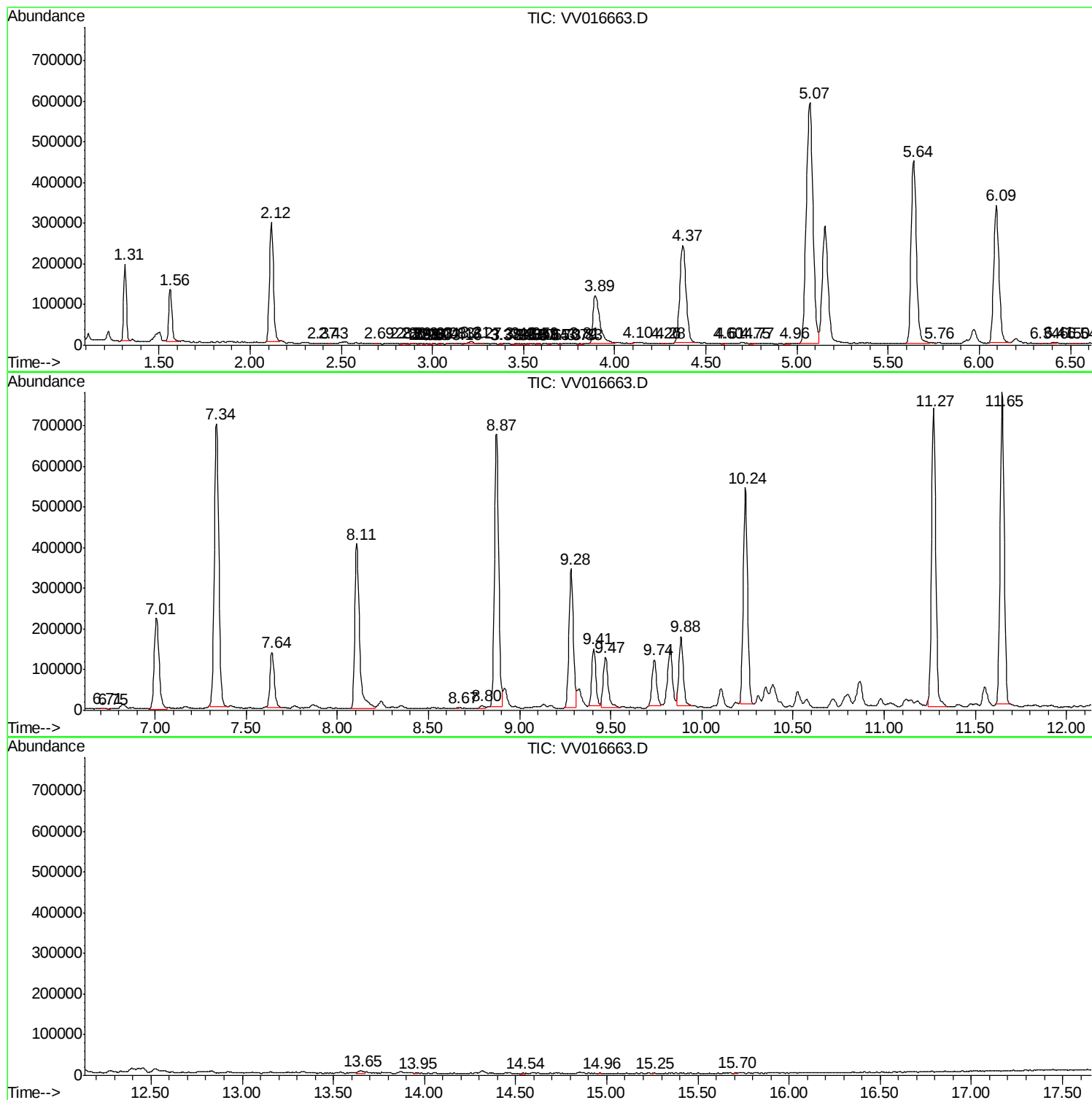
Sum of corrected areas: 13168289

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

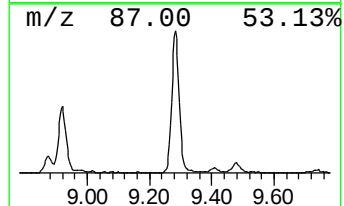
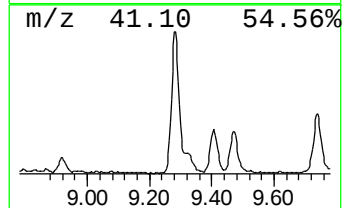
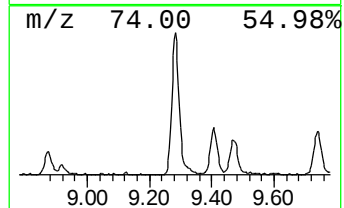
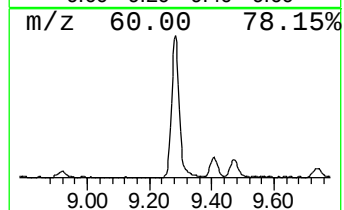
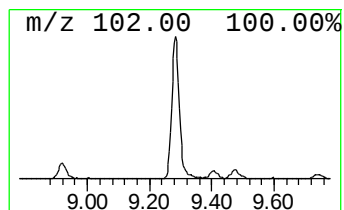
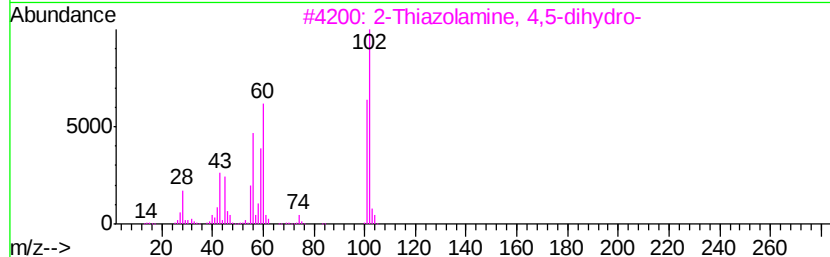
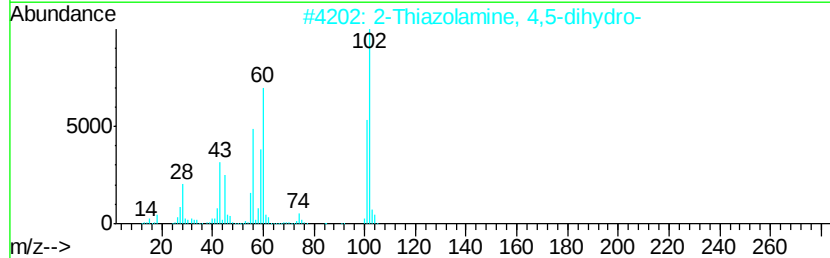
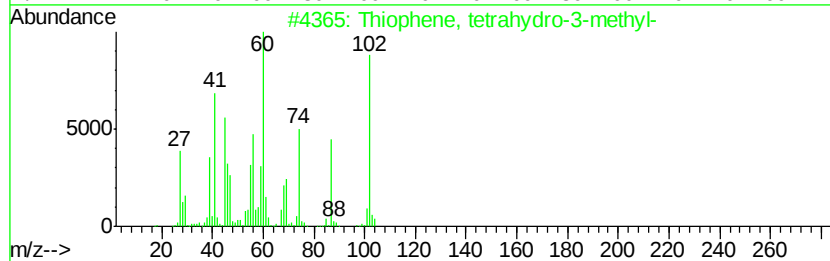
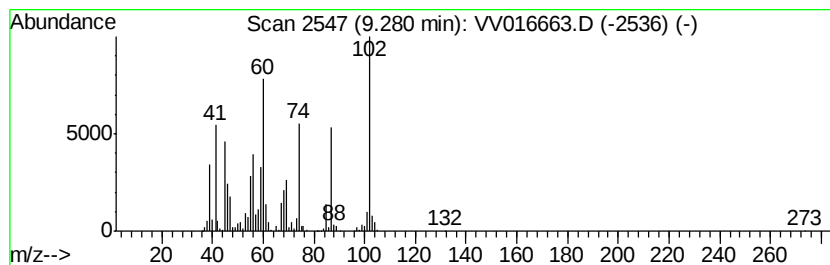
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 Thiophene, tetrahydro-3-met... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	26.71 ug/L	576235	Chlorobenzene-d5	8.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	97
2		2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	52
3		2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
4		2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
5		Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

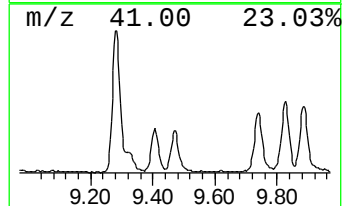
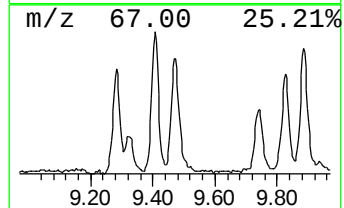
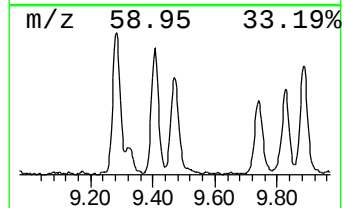
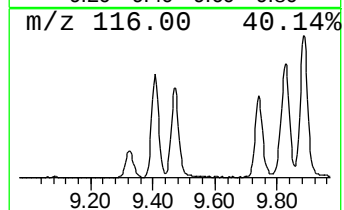
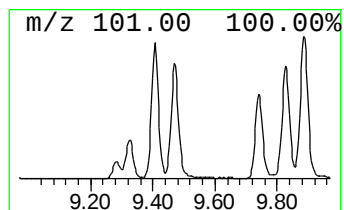
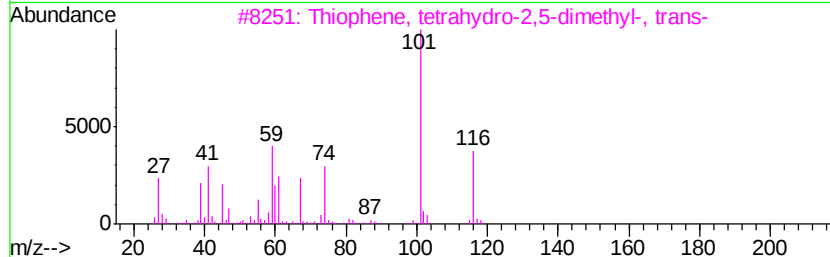
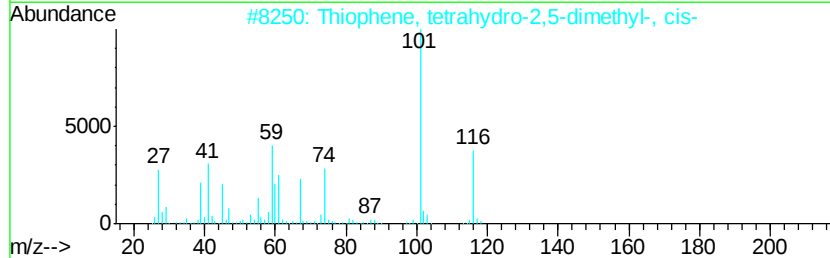
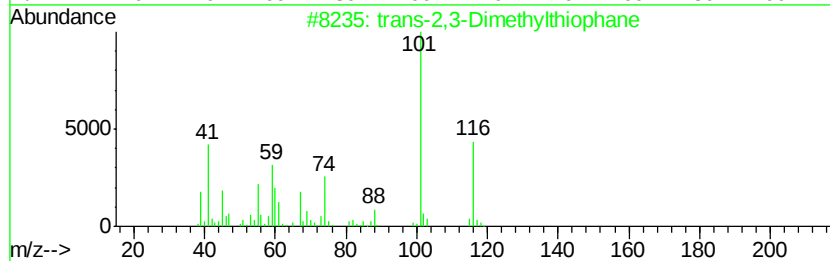
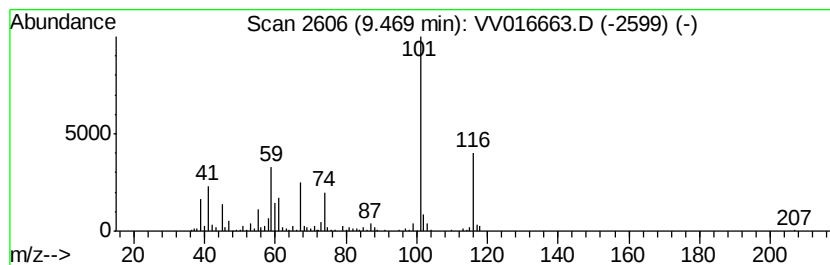
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

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

Peak Number 4 trans-2,3-Dimethylthiophane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	10.54 ug/L	227342	Chlorobenzene-d5	8.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
2		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	90
3		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	87
4		Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	68
5		cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

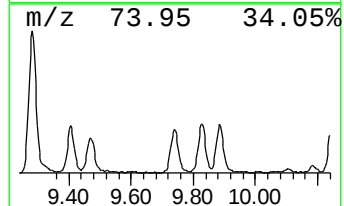
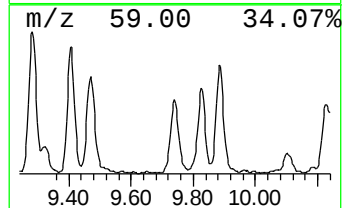
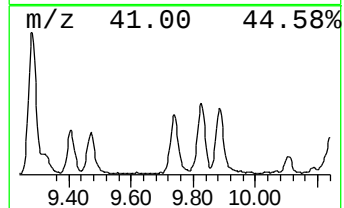
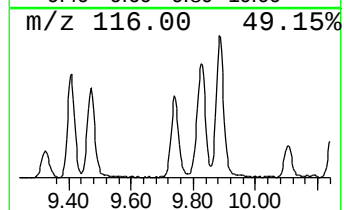
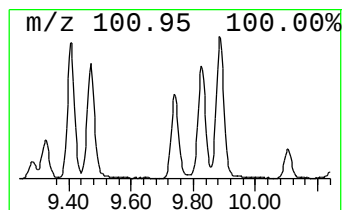
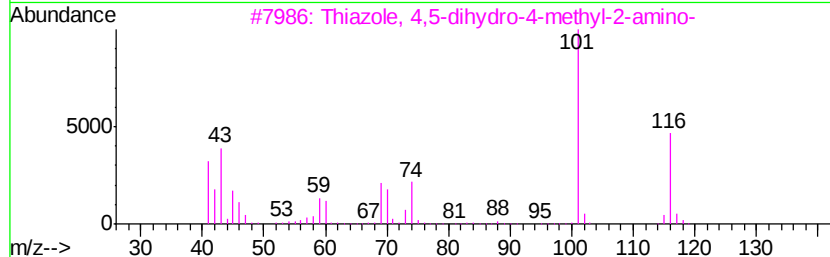
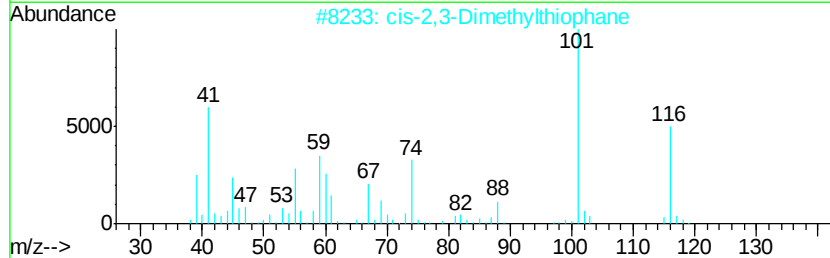
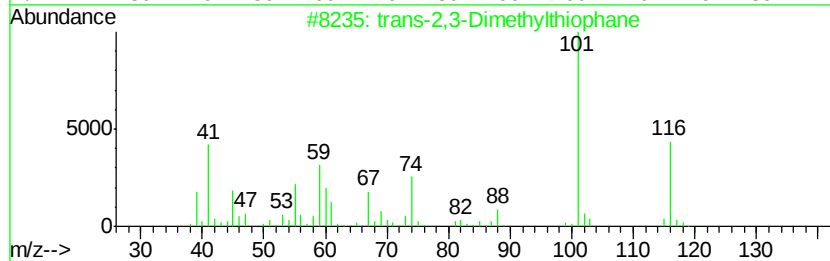
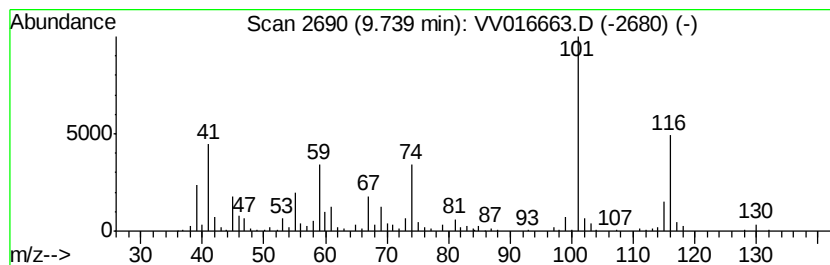
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

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

Peak Number 5 cis-2,3-Dimethylthiophane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	9.15 ug/L	197340	Chlorobenzene-d5	8.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
2		cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	93
3		Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	87
4		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	72
5		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

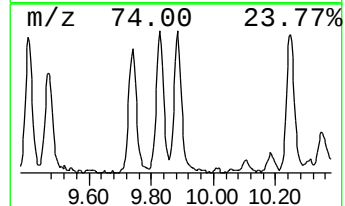
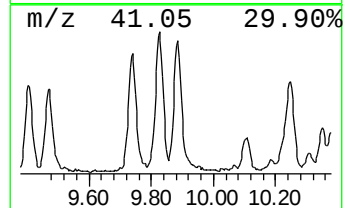
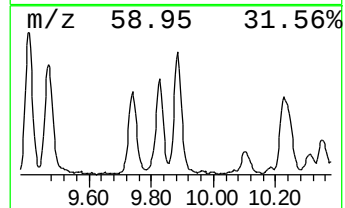
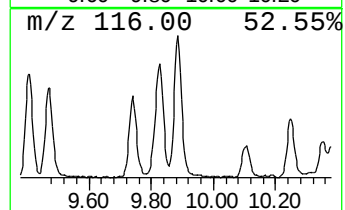
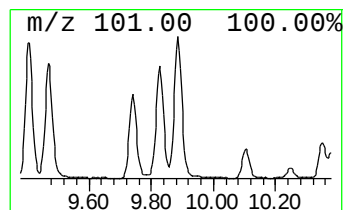
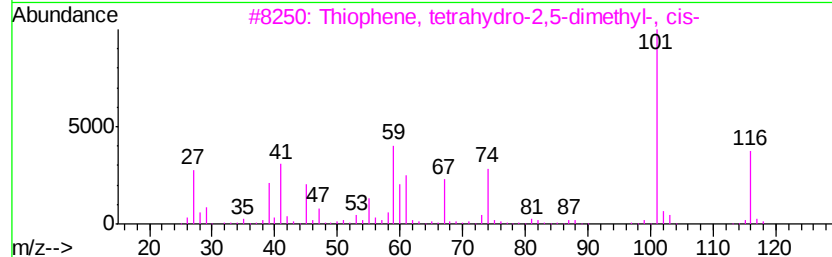
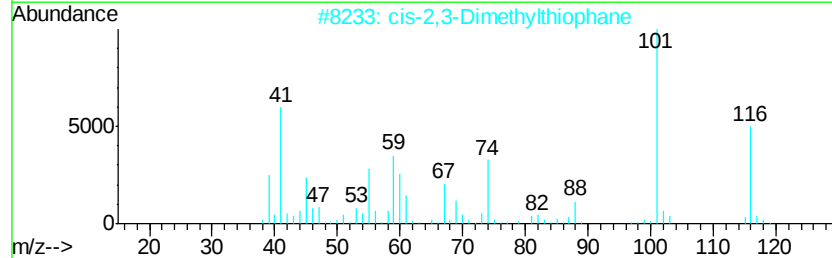
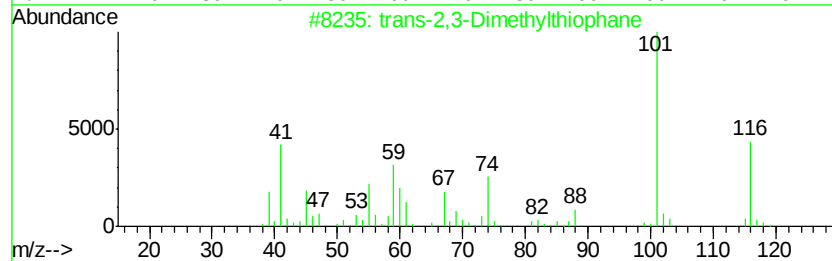
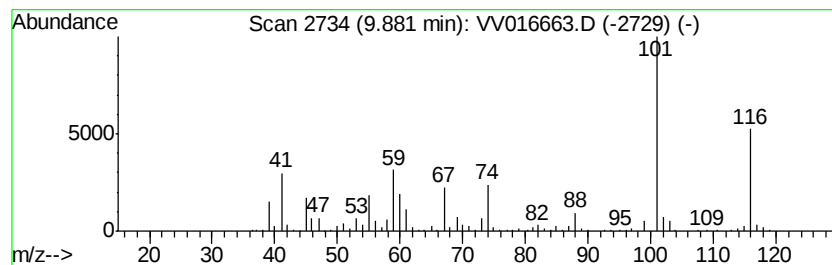
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 Thiophene, tetrahydro-2,5-d... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	12.87 ug/L	277675	Chlorobenzene-d5	8.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	98
2		cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	95
3		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	87
4		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	87
5		2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV060820\
Data File : VV016663.D
Acq On : 08 Jun 2020 16:37
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E63

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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
Thiophene, tetrah...	9.28	26.7	ug/L	576235	2	8.87	1078780	50.0
trans-2,3-Dimethy...	9.47	10.5	ug/L	227342	2	8.87	1078780	50.0
cis-2,3-Dimethylt...	9.74	9.2	ug/L	197340	2	8.87	1078780	50.0
Thiophene, tetrah...	9.88	12.9	ug/L	277675	2	8.87	1078780	50.0