LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.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	1.113	3	7	16	rVB3	16381	17434	1.18%	0.117%
2	1.222	36	41	46	rVB2	23104	21570	1.46%	0.145%
3	1.315	63	70	78	rVB	200159	199837	13.56%	1.345%
4	1.557	138	145	158	rVB	129330	163318	11.08%	1.099%
5	2.116	308	319	333	rBV	303736	455228	30.90%	3.063%
6	2.286	367	372	374	rBV3	2748	2210	0.15%	0.015%
7	2.515	434	443	453	rVB3	3685	7611	0.52%	0.051%
8	2.586	459	465	468	rBV6	2847	3014	0.20%	0.020%
9	2.772	519	523	526	rBV5	1083	1033	0.07%	0.007%
10	3.045	601	608	612	rBV7	2023	2568	0.17%	0.017%
11	3.193	652	654	655	rVV2	2637	1502	0.10%	0.010%
12	3.209	656	659	670	rVV9	4907	7441	0.51%	0.050%
13	3.344	697	701	705	rBV4	1139	1044	0.07%	0.007%
14	3.367	705	708	714	rVV7	1427	1542	0.10%	0.010%
15	3.508	749	752	757	rBV5	1846	1502	0.10%	0.010%
16	3.782	832	837	841	rVV7	1066	1401	0.10%	0.009%
17	3.897	862	873	899	rBV	109952	292187	19.83%	1.966%
18	4.116	934	941	943	rBV7	3357	4308	0.29%	0.029%
19	4.167	953	957	961	rBV7	1288	1095	0.07%	0.007%
20	4.373	1002	1021	1044	rBV	231978	578382	39.26%	3.892%
21	4.540	1069	1073	1077	rVB8	1716	1634	0.11%	0.011%
22	4.701	1115	1123	1138	rVB9	7274	18274	1.24%	0.123%
23	5.068	1217	1237	1252	rBV2	572749	1473330	100.00%	9.913%
24	5.151	1255	1263	1282	rVB	286630	618211	41.96%	4.160%
25	5.293	1305	1307	1312	rVB4	2269	1666	0.11%	0.011%
26	5.341	1315	1322	1326	rBV8	2431	3250	0.22%	0.022%
27	5.640	1401	1415	1439	rBV	501357	1011512	68.65%	6.806%
28	5.775	1451	1457	1458	rBV5	1490	1445	0.10%	0.010%
29	5.839	1475	1477	1484	rVB8	1424	1206	0.08%	0.008%
30	5.920	1497	1502	1504	rBV6	3597	3463	0.24%	0.023%
31	5.968	1504	1517	1532	rVB2	31487	69297	4.70%	0.466%
32	6.093	1542	1556	1577	rBV	327885	660922	44.86%	4.447%
33	6.199	1582	1589	1599	rVB6	8917	14627	0.99%	0.098%
34	6.280	1609	1614	1616	rBV5	1524	1166	0.08%	0.008%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

35	6.293	1616	1618	1624	rVB6	1981	1713	0.12%	0.012%
36	6.322	1624	1627	1632	rBV6	1215	1042	0.07%	0.007%
37	6.409	1650	1654	1658	rBV7	2679	3013	0.20%	0.020%
38	6.492	1676	1680	1687	rVB9	1940	2740	0.19%	0.018%
39	6.534	1687	1693	1694	rBV5	1587	1081	0.07%	0.007%
40	6.598	1707	1713	1719	rVB5	1444	1626	0.11%	0.011%
41	6.826	1771	1784	1795	rBV3	13159	25827	1.75%	0.174%
42	7.007	1828	1840	1856	rBV	199709	364271	24.72%	2.451%
43	7.164	1878	1889	1892	rBV	4783	7598	0.52%	0.051%
44	7.338	1924	1943	1958	rBV	676235	1182472	80.26%	7.956%
45	7.412	1960	1966	1977	rVB	25154	41296	2.80%	0.278%
46	7.643	2021	2038	2055	rVV	121963	217532	14.76%	1.464%
47	7.704	2055	2057	2066	rVV	2926	4146	0.28%	0.028%
48	7.765	2068	2076	2086	rVB	6245	11436	0.78%	0.077%
49	7.862	2098	2106	2115	rBV3	8541	15538	1.05%	0.105%
50	8.055	2160	2166	2169	rBV6	2135	2216	0.15%	0.015%
51	8.106	2169	2182	2206	rBV	422015	730626	49.59%	4.916%
52	8.238	2215	2223	2233	rVB3	16089	27582	1.87%	0.186%
53	8.399	2268	2273	2275	rVB5	1548	1073	0.07%	0.007%
54	8.463	2288	2293	2297	rBV8	1105	1168	0.08%	0.008%
55	8.521	2303	2311	2312	rBV8	2970	2902	0.20%	0.020%
56	8.659	2348	2354	2361	rVV9	3228	4223	0.29%	0.028%
57	8.714	2368	2371	2374	rBV5	1453	1086	0.07%	0.007%
58	8.794	2390	2396	2403	rBV6	4846	7123	0.48%	0.048%
59	8.875	2409	2421	2431	rBV	742525	1195199	81.12%	8.042%
60	9.039	2464	2472	2480	rBV	18124	27462	1.86%	0.185%
61	9.129	2496	2500	2505	rBV3	5082	5717	0.39%	0.038%
62	9.164	2507	2511	2528	rVB8	13194	26001	1.76%	0.175%
63	9.283	2533	2548	2557	rBV	330006	553098	37.54%	3.721%
64	9.405	2576	2586	2597	rBV	126818	209826	14.24%	1.412%
65	9.469	2597	2606	2619	rVB	109811	185018	12.56%	1.245%
66	9.569	2631	2637	2644	rVB7	6204	9841	0.67%	0.066%
67	9.740	2674	2690	2703	rBV2	107488	203500	13.81%	1.369%
68	9.826	2705	2717	2726	rVV4	129238	243863	16.55%	1.641%
69	9.884	2727	2735	2753	rVB	153915	259096	17.59%	1.743%
70	10.106	2796	2804	2816	rVB3	43480	74914	5.08%	0.504%
71	10.186	2822	2829	2833	rBV7	10575	15154	1.03%	0.102%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

72	10.238	2834	2845	2860	rVB	500205	833895	56.60%	5.611%
73	10.350	2874	2880	2885	rBV3	31774	44072	2.99%	0.297%
74	10.524	2927	2934	2943	rBV4	29142	51971	3.53%	0.350%
75	10.717	2985	2994	3003	rBV8	18469	34841	2.36%	0.234%
76	10.981	3071	3076	3084	rVB3	12564	16042	1.09%	0.108%
77	11.116	3112	3118	3124	rBV9	12665	21984	1.49%	0.148%
78	11.270	3152	3166	3188	rVB	798845	1255319	85.20%	8.446%
79	11.553	3246	3254	3267	rVB2	40166	72714	4.94%	0.489%
80	11.646	3271	3283	3298	rVV	730863	1138095	77.25%	7.658%
81	12.521	3548	3555	3561	rBV10	7042	10618	0.72%	0.071%
82	12.749	3622	3626	3629	rBV6	2239	2245	0.15%	0.015%
83	13.122	3738	3742	3745	rBV5	1715	1668	0.11%	0.011%
84	13.235	3773	3777	3778	rBV4	2364	1798	0.12%	0.012%
85	13.331	3801	3807	3808	rBV6	3868	3363	0.23%	0.023%
86	13.530	3863	3869	3883	rVB2	8062	12843	0.87%	0.086%
87	13.617	3891	3896	3899	rBV7	1152	1121	0.08%	0.008%
88	13.653	3899	3907	3913	rBV3	6100	10044	0.68%	0.068%
89	13.871	3967	3975	3979	rBV6	5354	7993	0.54%	0.054%
90	14.067	4031	4036	4039	rBV8	1332	1258	0.09%	0.008%
91	14.244	4086	4091	4093	rBV5	2048	1516	0.10%	0.010%
92	14.321	4105	4115	4123	rVV5	6180	10583	0.72%	0.071%
93	14.595	4197	4200	4202	rBV3	1849	1375	0.09%	0.009%
94	14.778	4255	4257	4264	rVB8	2361	1778	0.12%	0.012%
95	14.852	4269	4280	4282	rBV8	4618	5865	0.40%	0.039%
96	14.900	4292	4295	4299	rBV6	1598	1548	0.11%	0.010%
97	14.919	4299	4301	4308	rVB7	1653	1730	0.12%	0.012%
98	15.450	4464	4466	4471	rBV3	1482	1132	0.08%	0.008%
99	15.643	4522	4526	4528	rBV3	2106	1549	0.11%	0.010%
100	16.382	4754	4756	4759	rBV4	2068	1074	0.07%	0.007%

Sum of corrected areas: 14862283

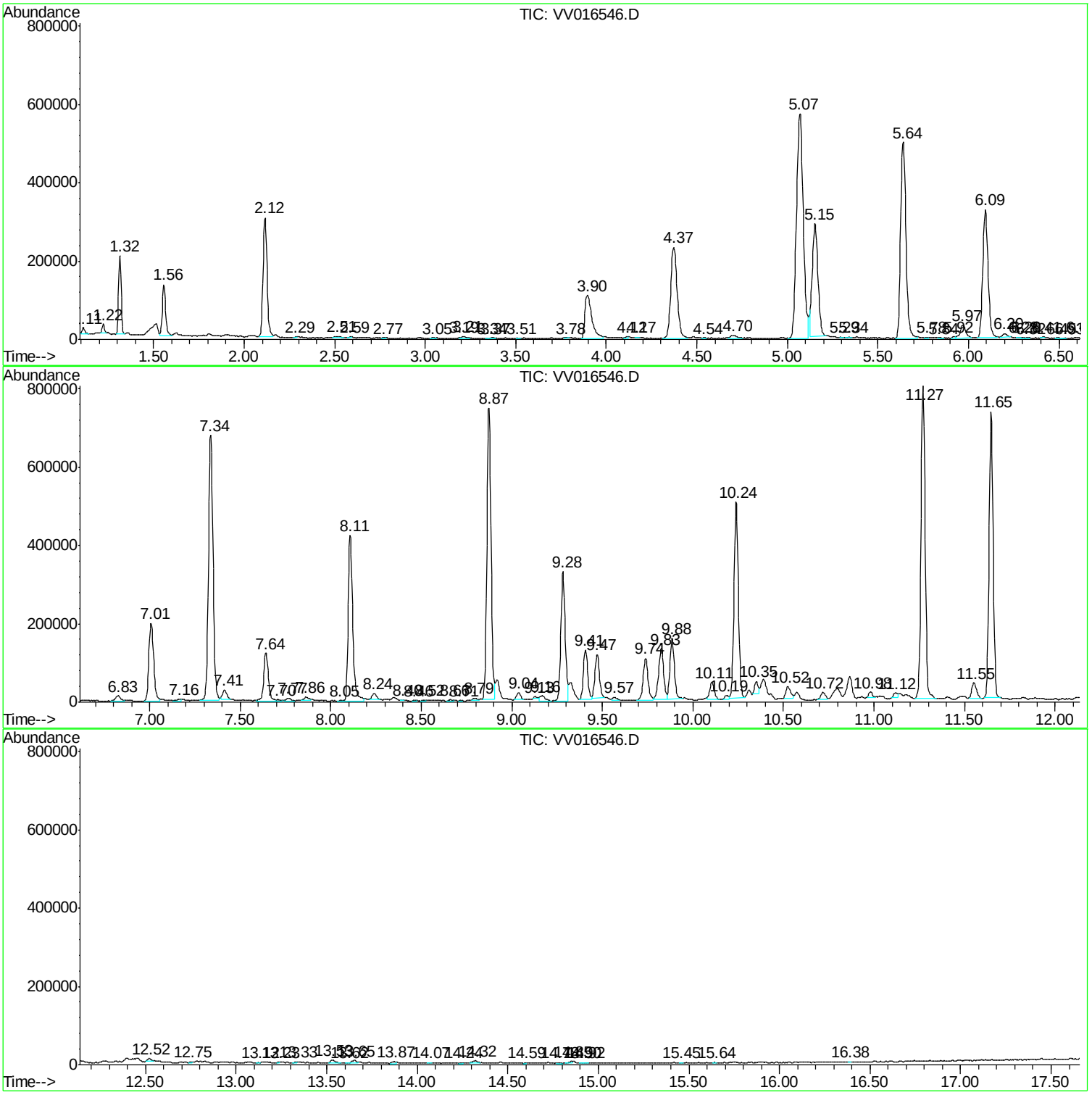
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

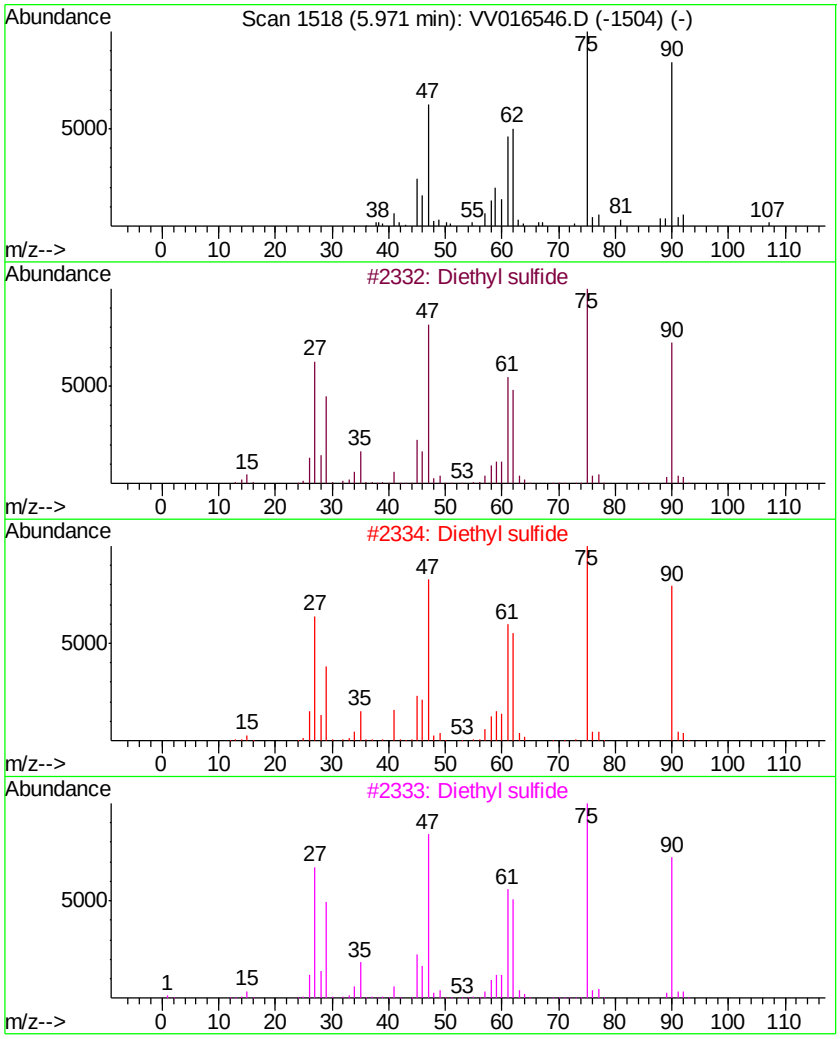
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

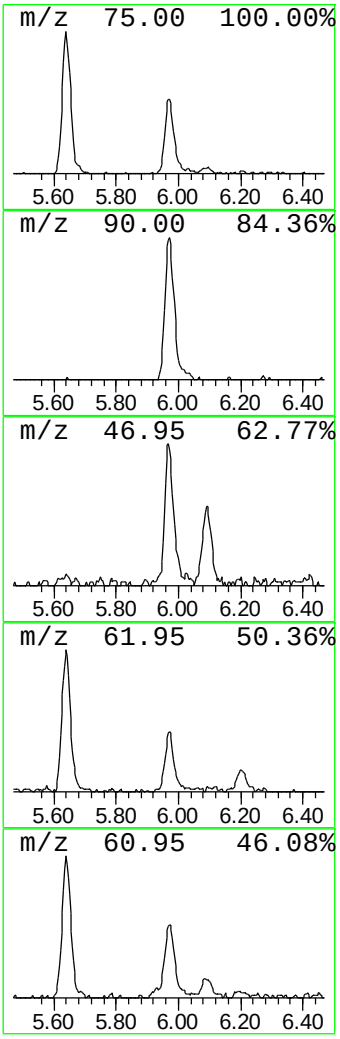
****

Peak Number 1 Diethyl sulfide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	3.43 ug/L	69297	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl sulfide	90	C4H10S	000352-93-2	97
2	Diethyl sulfide	90	C4H10S	000352-93-2	96
3	Diethyl sulfide	90	C4H10S	000352-93-2	94
4	Diethyl sulfide	90	C4H10S	000352-93-2	91
5	3-Thietanol	90	C3H6OS	010304-16-2	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

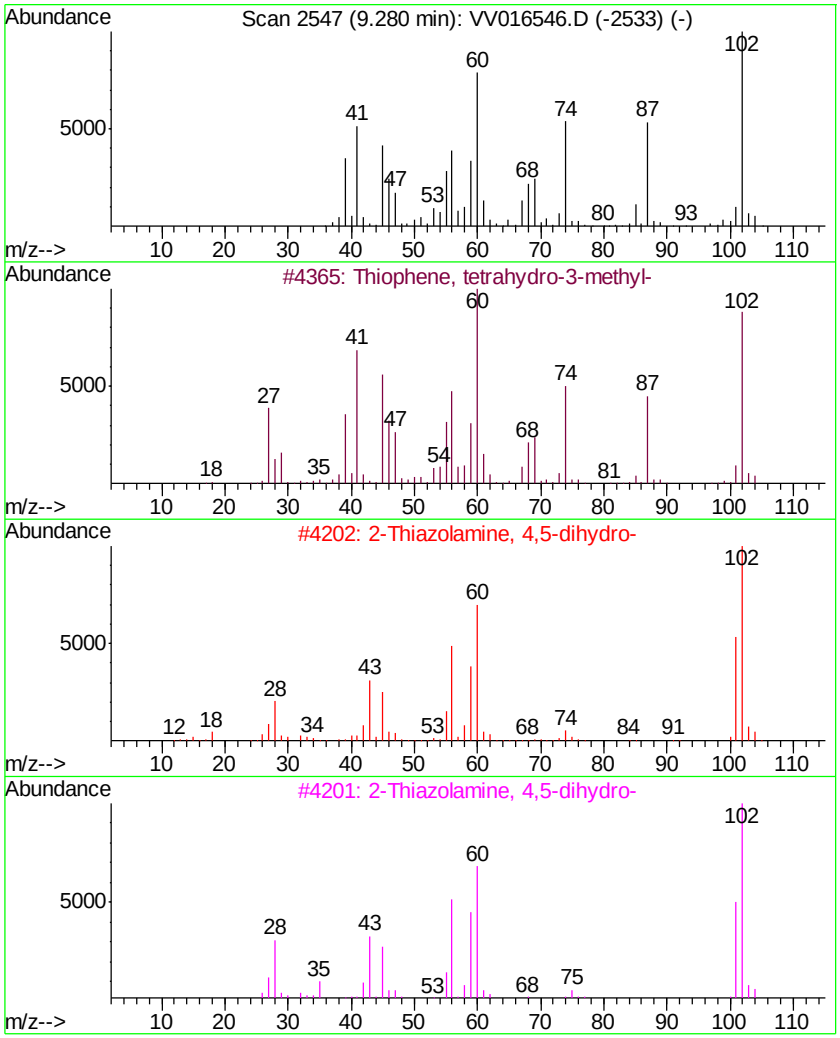
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

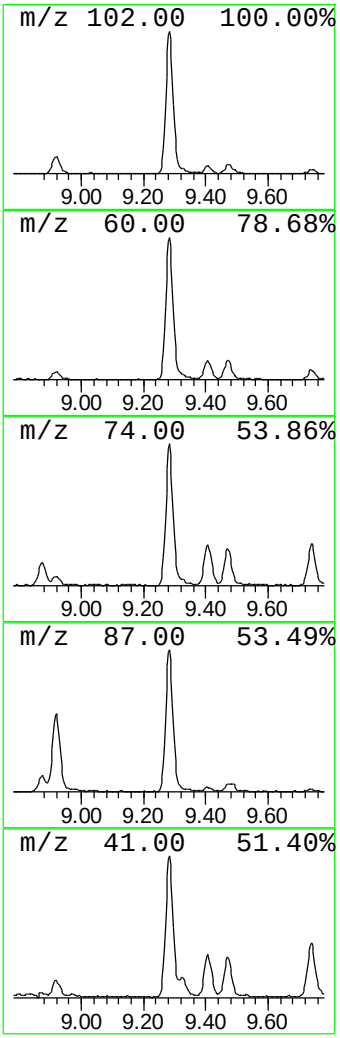
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	23.14 ug/L	553098	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
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	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	46
5	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

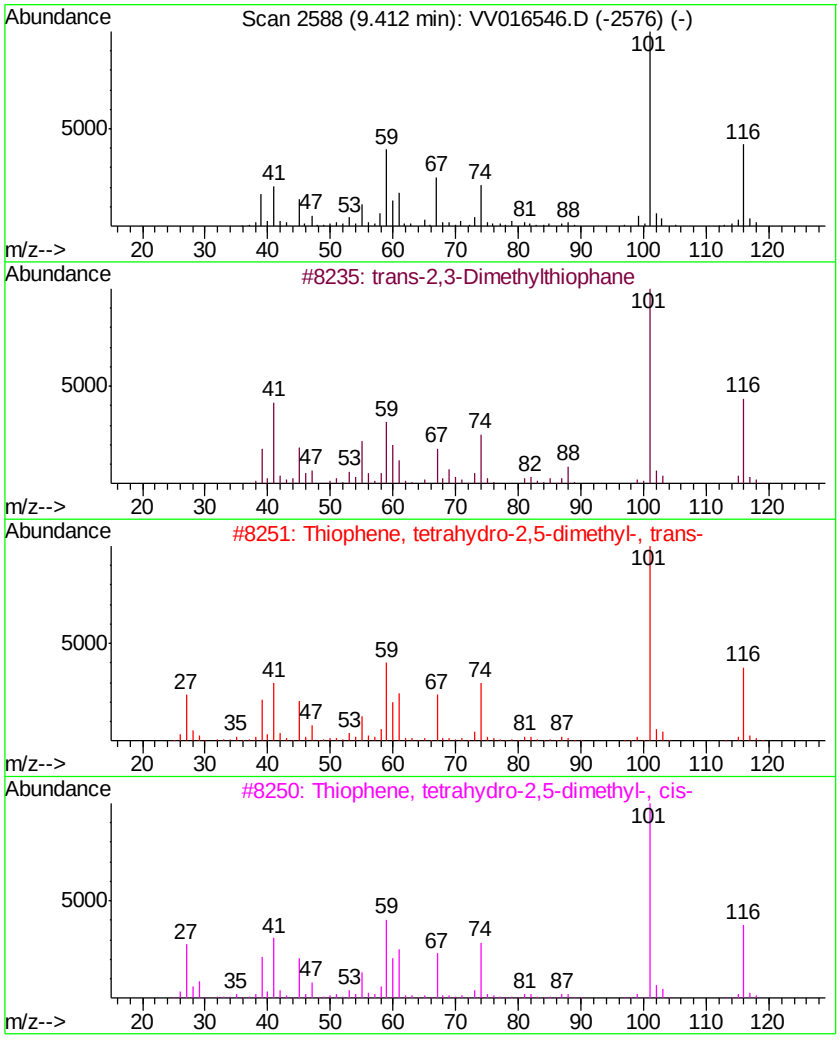
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

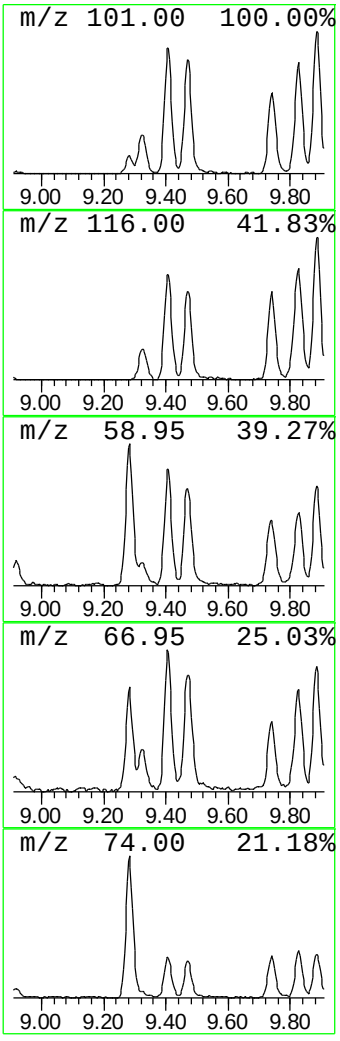
****

Peak Number 4 trans-2,3-Dimethylthiophane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	8.78 ug/L	209826	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	74
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	74
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	50
5	Allylthiourea	116	C4H8N2S	000109-57-9	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

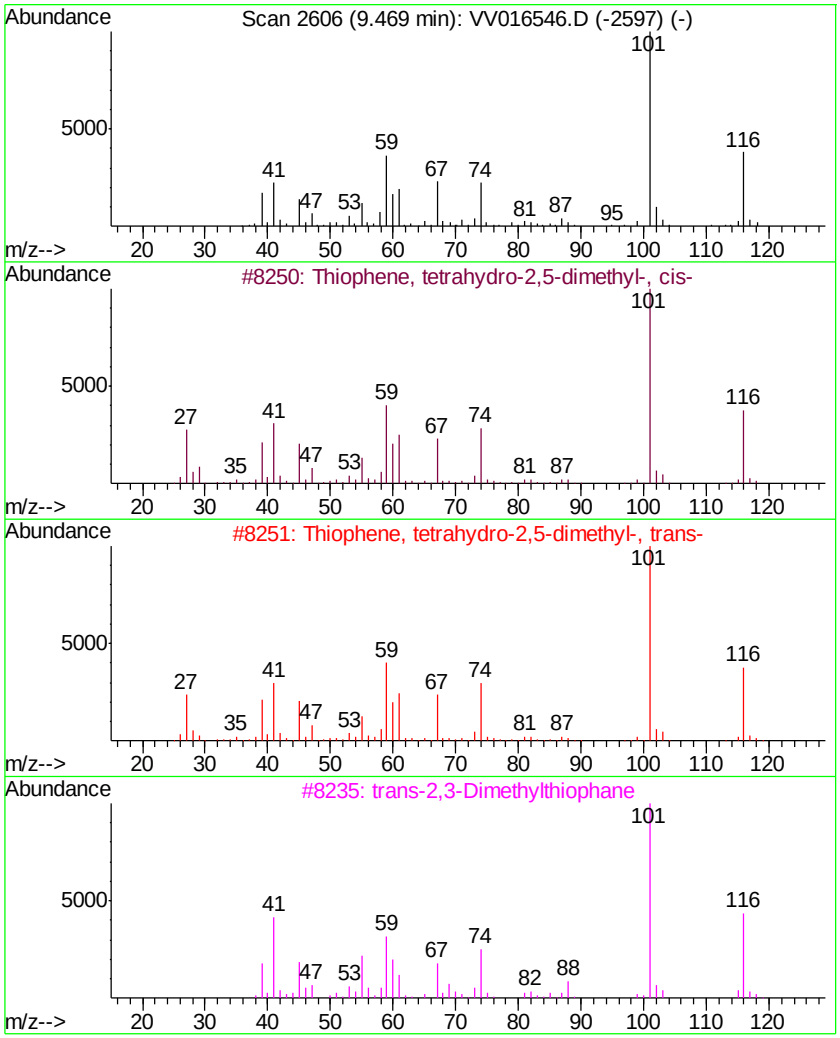
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

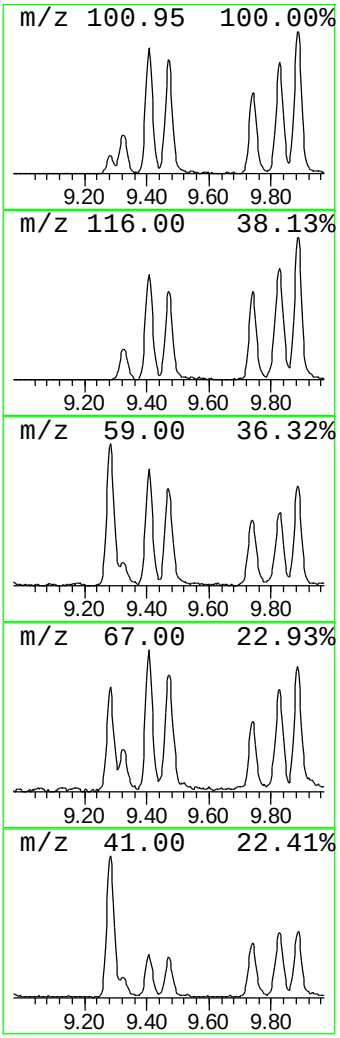
****

Peak Number 5 Thiophene, tetrahydro-2,5-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	7.74 ug/L	185018	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	97
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	97
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	86
5	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

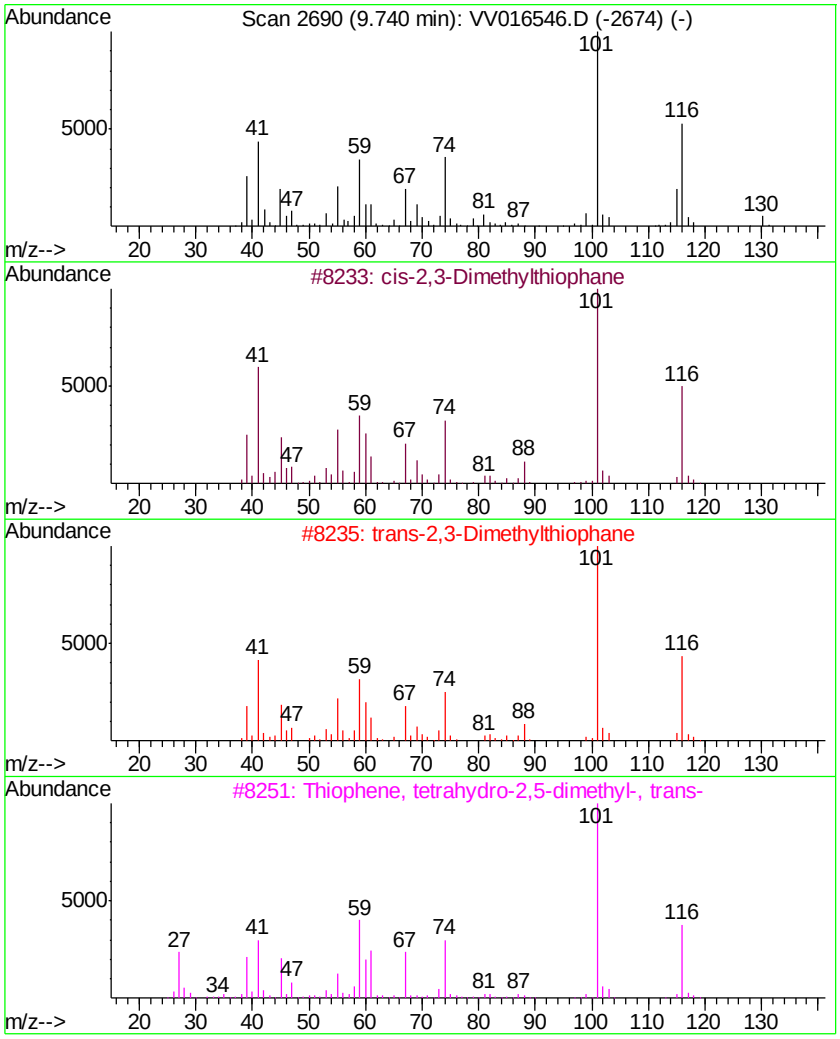
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

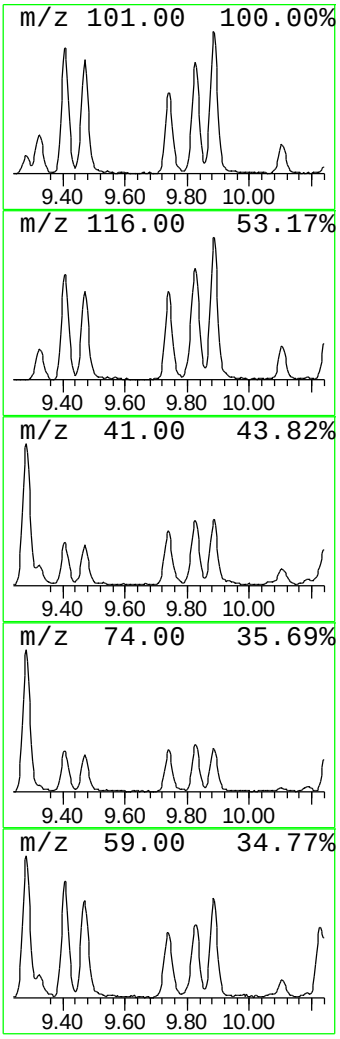
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	8.51 ug/L	203500	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	93
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	64
4	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	58
5	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

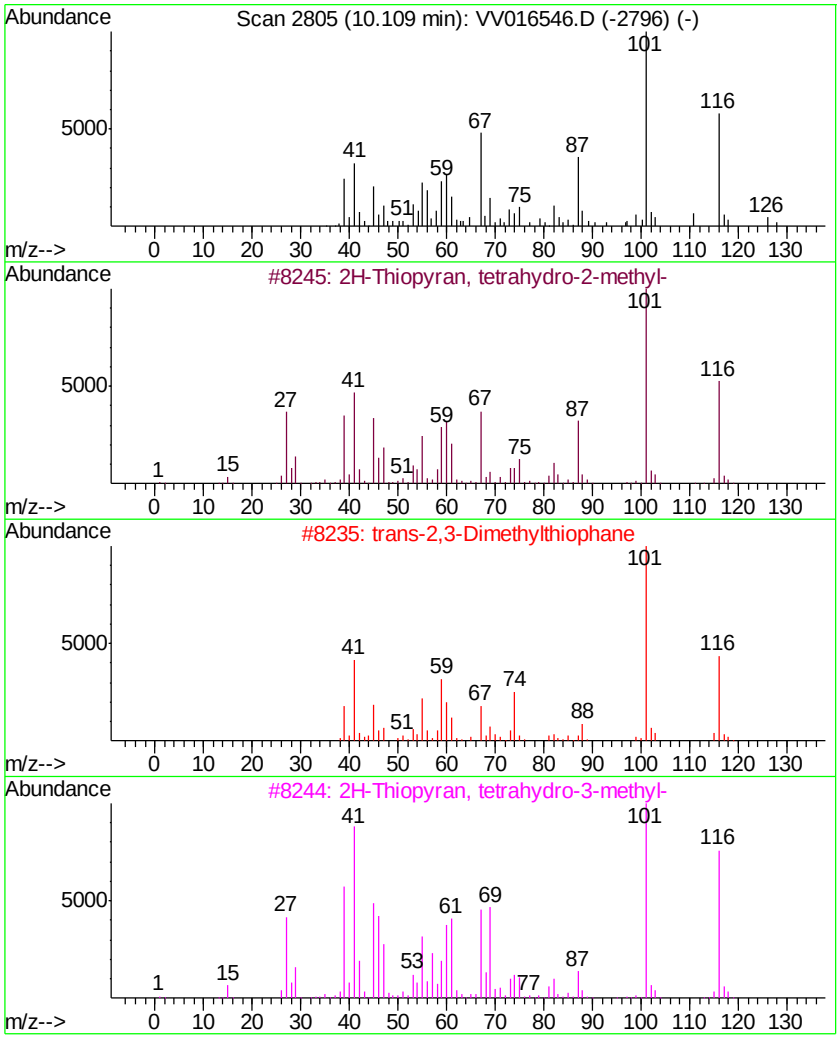
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

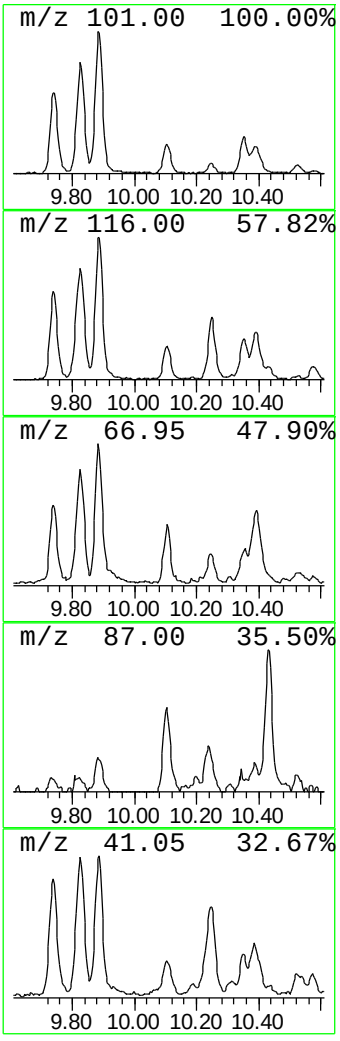
****

Peak Number 9 2H-Thiopyran, tetrahydro-2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	2.98 ug/L	74914	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	93
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	86
3	2H-Thiopyran, tetrahydro-3-methyl-	116	C6H12S	005258-50-4	83
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	76
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

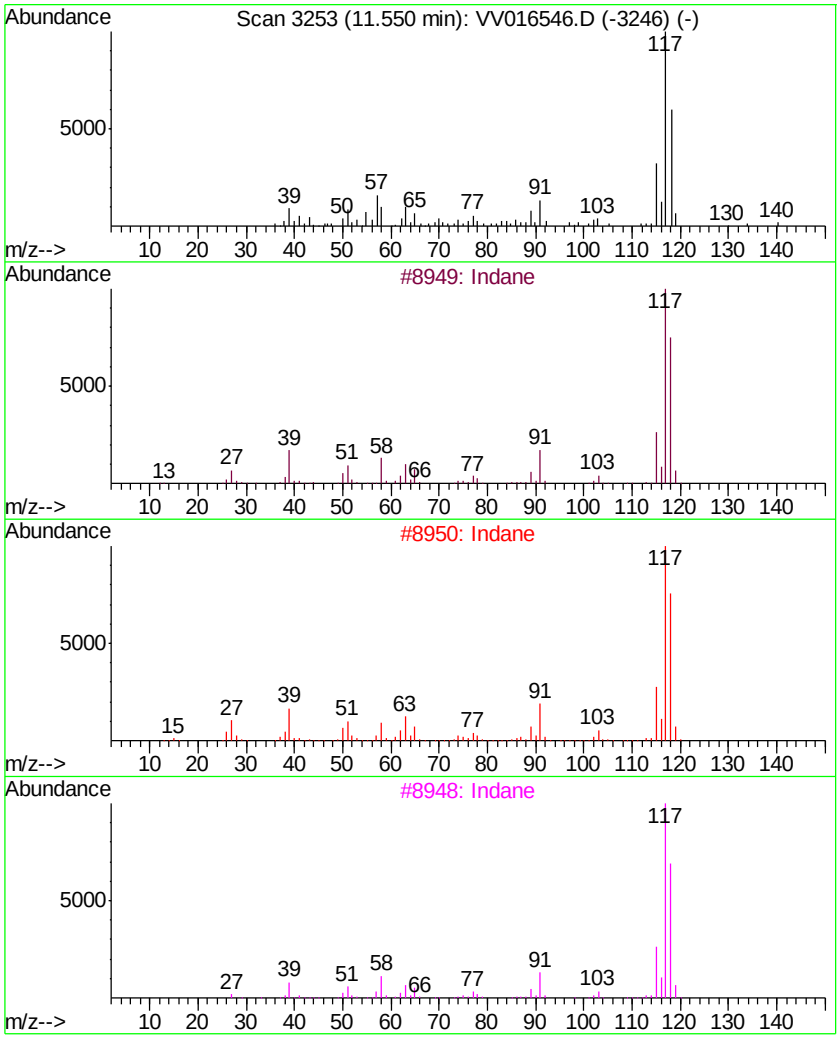
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

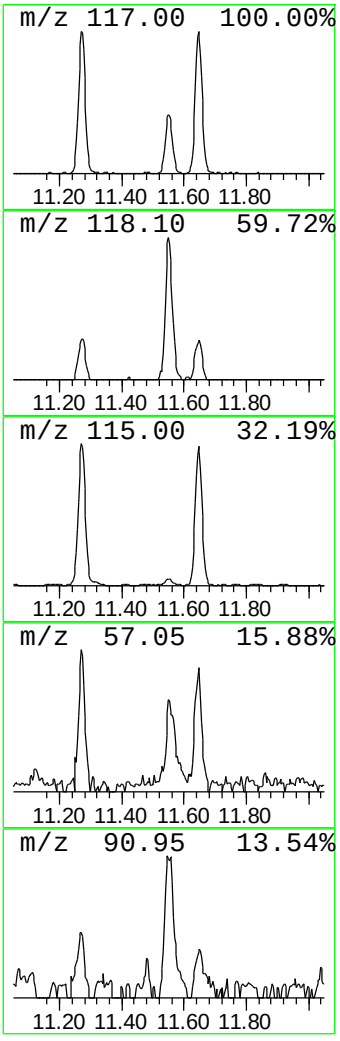
****

Peak Number 10 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	2.90 ug/L	72714	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	93
4	Indane	118	C9H10	000496-11-7	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016546.D
Acq On : 05 Jun 2020 19:16
Operator : SY/MD
Sample : L2861-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.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
Diethyl sulfide	5.97	3.4	ug/L	69297	1	5.64	1011510	50.0
Thiophene, tetrah...	9.28	23.1	ug/L	553098	2	8.87	1195200	50.0
trans-2,3-Dimethy...	9.41	8.8	ug/L	209826	2	8.87	1195200	50.0
Thiophene, tetrah...	9.47	7.7	ug/L	185018	2	8.87	1195200	50.0
cis-2,3-Dimethylt...	9.74	8.5	ug/L	203500	2	8.87	1195200	50.0
2H-Thiopyran, tet...	10.11	3.0	ug/L	74914	3	11.27	1255320	50.0
Indane	11.55	2.9	ug/L	72714	3	11.27	1255320	50.0