LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

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_U\METHOD\SOMULM060820WMA.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	1.369	3	9	22	rVB	1373392	1348287	0.33%	0.175%
2	1.501	42	50	72	rBV	3862572	4309194	1.04%	0.558%
3	1.613	72	85	97	rVV	16663443	21800878	5.28%	2.824%
4	1.674	97	104	118	rVV	4155454	4709727	1.14%	0.610%
5	1.748	118	127	150	rVB	2530325	2941628	0.71%	0.381%
6	1.922	171	181	193	rBV2	1211272	1705546	0.41%	0.221%
7	2.012	198	209	232	rVB	7137547	9818323	2.38%	1.272%
8	2.176	249	260	267	rBV	3443781	4695526	1.14%	0.608%
9	2.224	267	275	298	rVB	5683103	8126364	1.97%	1.053%
10	2.340	299	311	327	rBV	3733528	5315233	1.29%	0.688%
11	2.440	329	342	350	rBV	2059255	3107984	0.75%	0.403%
12	2.491	350	358	377	rVB	1525453	2402807	0.58%	0.311%
13	2.591	377	389	407	rBV	596346	1046420	0.25%	0.136%
14	2.996	500	515	519	rBV3	280561	520579	0.13%	0.067%
15	3.047	519	531	545	rVB	3146584	5986743	1.45%	0.775%
16	3.115	545	552	556	rBV	144877	206256	0.05%	0.027%
17	3.170	556	569	585	rVB	5352753	10888034	2.64%	1.410%
18	3.395	617	639	657	rVB3	214565	615561	0.15%	0.080%
19	3.626	693	711	729	rBV	292769	645585	0.16%	0.084%
20	3.735	729	745	762	rVB2	175363	393584	0.10%	0.051%
21	3.874	772	788	799	rBV3	119009	277260	0.07%	0.036%
22	3.957	800	814	825	rVV	236745	589321	0.14%	0.076%
23	4.018	826	833	851	rVB	100360	226128	0.05%	0.029%
24	4.214	877	894	909	rVV3	650027	1844818	0.45%	0.239%
25	4.295	910	919	934	rVV	272363	629864	0.15%	0.082%
26	4.571	986	1005	1022	rBV	2198673	5339874	1.29%	0.692%
27	4.668	1022	1035	1057	rVB	288163	720960	0.17%	0.093%
28	5.102	1153	1170	1189	rBV	476586	1065017	0.26%	0.138%
29	5.214	1192	1205	1221	rVB2	101706	223124	0.05%	0.029%
30	5.427	1251	1271	1299	rBV	3584391	8243327	2.00%	1.068%
31	5.851	1357	1403	1420	rBV5	118063518	412725145	100.00%	53.455%
32	5.938	1421	1430	1448	rVB	2203283	4366615	1.06%	0.566%
33	6.057	1456	1467	1496	rVB	2246650	4473878	1.08%	0.579%
34	6.282	1526	1537	1558	rVB	930595	1836317	0.44%	0.238%

LSC Area Percent Report

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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

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_U\METHOD\SOMULM060820WMA.M
Title : VOC Analysis

35	6.597	1614	1635	1652	rVB5	87676	199481	0.05%	0.026%
36	6.722	1658	1674	1685	rBV	650339	1247548	0.30%	0.162%
37	6.790	1685	1695	1714	rVV2	386837	864312	0.21%	0.112%
38	7.189	1802	1819	1822	rBV3	140682	250245	0.06%	0.032%
39	7.423	1877	1892	1902	rBV	222231	396482	0.10%	0.051%
40	7.591	1931	1944	1956	rBV	436496	807323	0.20%	0.105%
41	7.719	1973	1984	1994	rVV	245611	462348	0.11%	0.060%
42	7.780	1994	2003	2008	rVV2	112854	202378	0.05%	0.026%
43	7.819	2009	2015	2027	rVB	154480	269157	0.07%	0.035%
44	7.922	2035	2047	2057	rBV	1348816	2429405	0.59%	0.315%
45	7.996	2057	2070	2084	rVB2	27856128	47706197	11.56%	6.179%
46	8.121	2100	2109	2122	rVB	643872	1087696	0.26%	0.141%
47	8.201	2122	2134	2150	rVB	260861	449664	0.11%	0.058%
48	8.291	2150	2162	2186	rVB	633515	1112513	0.27%	0.144%
49	8.436	2196	2207	2218	rVB4	83038	152179	0.04%	0.020%
50	8.655	2258	2275	2287	rBV	948271	1646178	0.40%	0.213%
51	8.816	2313	2325	2334	rBV	713004	1249428	0.30%	0.162%
52	9.385	2480	2502	2508	rVV4	222883	597142	0.14%	0.077%
53	9.436	2508	2518	2524	rVV	1336155	2224341	0.54%	0.288%
54	9.481	2524	2532	2550	rVV	2189027	3840890	0.93%	0.497%
55	9.594	2551	2567	2586	rVV2	41632343	71609492	17.35%	9.275%
56	9.713	2586	2604	2629	rVV	8878107	16482476	3.99%	2.135%
57	9.844	2633	2645	2651	rVV	955609	1658220	0.40%	0.215%
58	9.880	2651	2656	2668	rVV4	823278	1510032	0.37%	0.196%
59	9.963	2669	2682	2692	rVV	919154	1617151	0.39%	0.209%
60	10.028	2692	2702	2709	rVV	847947	1681520	0.41%	0.218%
61	10.070	2710	2715	2720	rVV	841179	1320139	0.32%	0.171%
62	10.118	2720	2730	2759	rVV	16890667	27725798	6.72%	3.591%
63	10.295	2773	2785	2794	rVV2	465974	843840	0.20%	0.109%
64	10.349	2794	2802	2805	rVV	297705	456034	0.11%	0.059%
65	10.381	2806	2812	2819	rVV	553196	928128	0.22%	0.120%
66	10.439	2820	2830	2839	rVV3	626206	1276327	0.31%	0.165%
67	10.497	2839	2848	2870	rVB	966068	1686141	0.41%	0.218%
68	10.664	2890	2900	2914	rVB	644671	1055549	0.26%	0.137%
69	10.771	2914	2933	2941	rBV	906884	1987409	0.48%	0.257%
70	10.918	2968	2979	2988	rBV	721481	1430918	0.35%	0.185%
71	10.986	2991	3000	3005	rBV	994609	1591517	0.39%	0.206%

LSC Area Percent Report

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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

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_U\METHOD\SOMULM060820WMA.M
Title : VOC Analysis

72	11.098	3023	3035	3051	rVB2	351995	815376	0.20%	0.106%
73	11.214	3061	3071	3080	rBV2	88960	204077	0.05%	0.026%
74	11.304	3088	3099	3123	rVB	2115386	4096083	0.99%	0.531%
75	11.417	3123	3134	3143	rBV5	506174	875389	0.21%	0.113%
76	11.478	3143	3153	3164	rVB	3023601	4630231	1.12%	0.600%
77	11.539	3164	3172	3182	rVB5	161142	297177	0.07%	0.038%
78	11.600	3182	3191	3199	rBV5	74627	141543	0.03%	0.018%
79	11.664	3200	3211	3217	rBV7	134662	308288	0.07%	0.040%
80	11.745	3228	3236	3246	rVB5	128869	234447	0.06%	0.030%
81	11.822	3246	3260	3271	rVV2	1530823	2789153	0.68%	0.361%
82	11.906	3274	3286	3296	rVV	2461964	3868438	0.94%	0.501%
83	11.957	3297	3302	3317	rVB3	171373	287845	0.07%	0.037%
84	12.105	3338	3348	3358	rBV	1192346	1848519	0.45%	0.239%
85	12.205	3368	3379	3389	rVB	1353180	2192265	0.53%	0.284%
86	12.320	3405	3415	3428	rVB2	700420	1126018	0.27%	0.146%
87	12.388	3428	3436	3444	rBV4	100013	153866	0.04%	0.020%
88	12.693	3516	3531	3550	rVB3	247514	686679	0.17%	0.089%
89	12.896	3587	3594	3604	rVB4	162952	260028	0.06%	0.034%
90	13.044	3634	3640	3650	rVB3	103210	166770	0.04%	0.022%
91	13.314	3713	3724	3732	rBV	80284	132092	0.03%	0.017%
92	13.475	3763	3774	3786	rVV3	400745	708314	0.17%	0.092%
93	13.542	3786	3795	3814	rVB3	232024	409770	0.10%	0.053%
94	13.651	3816	3829	3840	rBV2	356982	603930	0.15%	0.078%
95	14.111	3958	3972	3987	rBV	4233604	6840078	1.66%	0.886%
96	14.233	4001	4010	4032	rVB	782564	1315464	0.32%	0.170%
97	14.915	4212	4222	4232	rBV	93086	154953	0.04%	0.020%
98	15.204	4295	4312	4320	rBV	82747	156532	0.04%	0.020%
99	15.259	4320	4329	4345	rBV2	261080	624211	0.15%	0.081%
100	15.452	4376	4389	4407	rBV2	491455	970144	0.24%	0.126%

Sum of corrected areas: 772099185

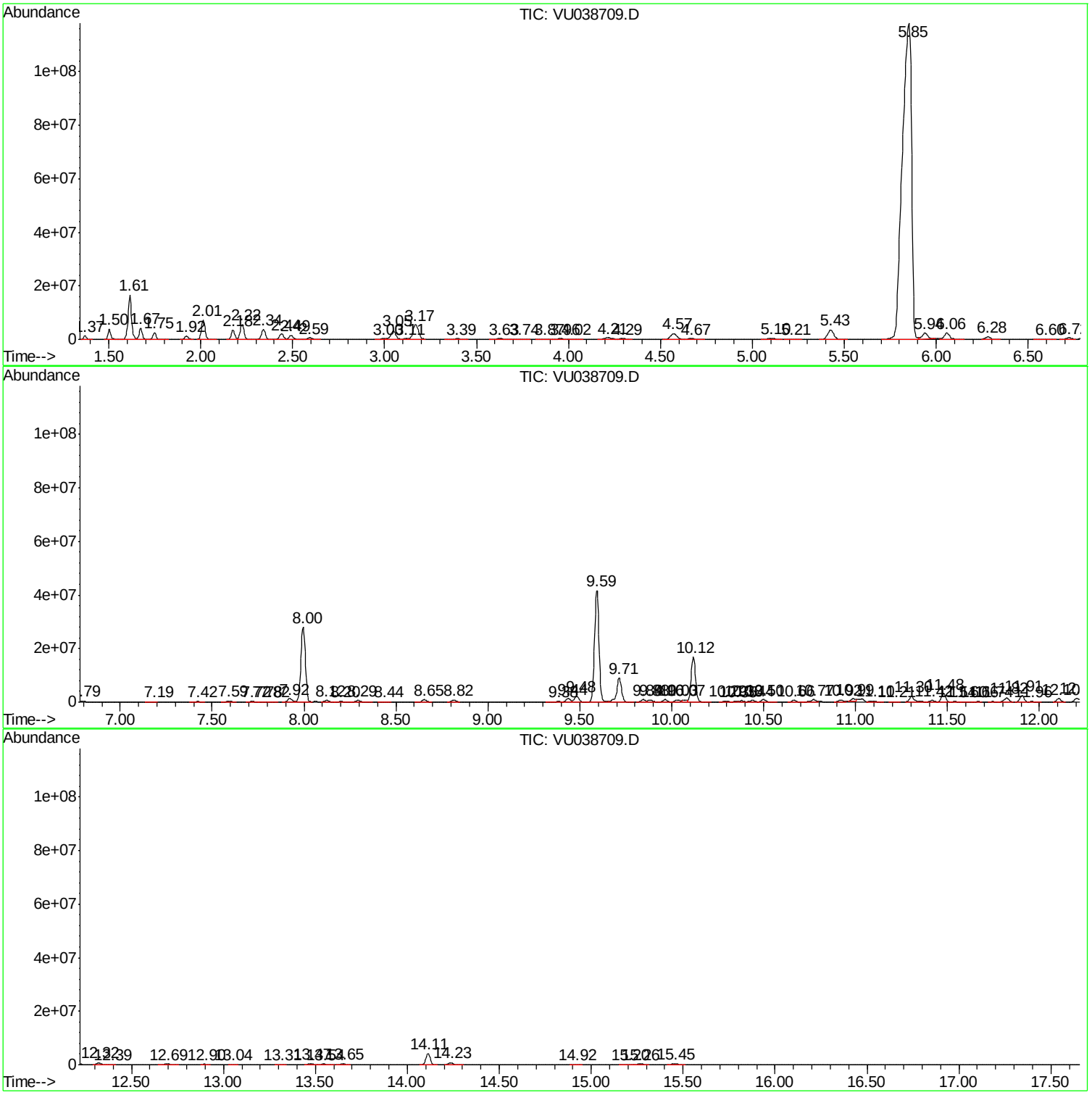
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

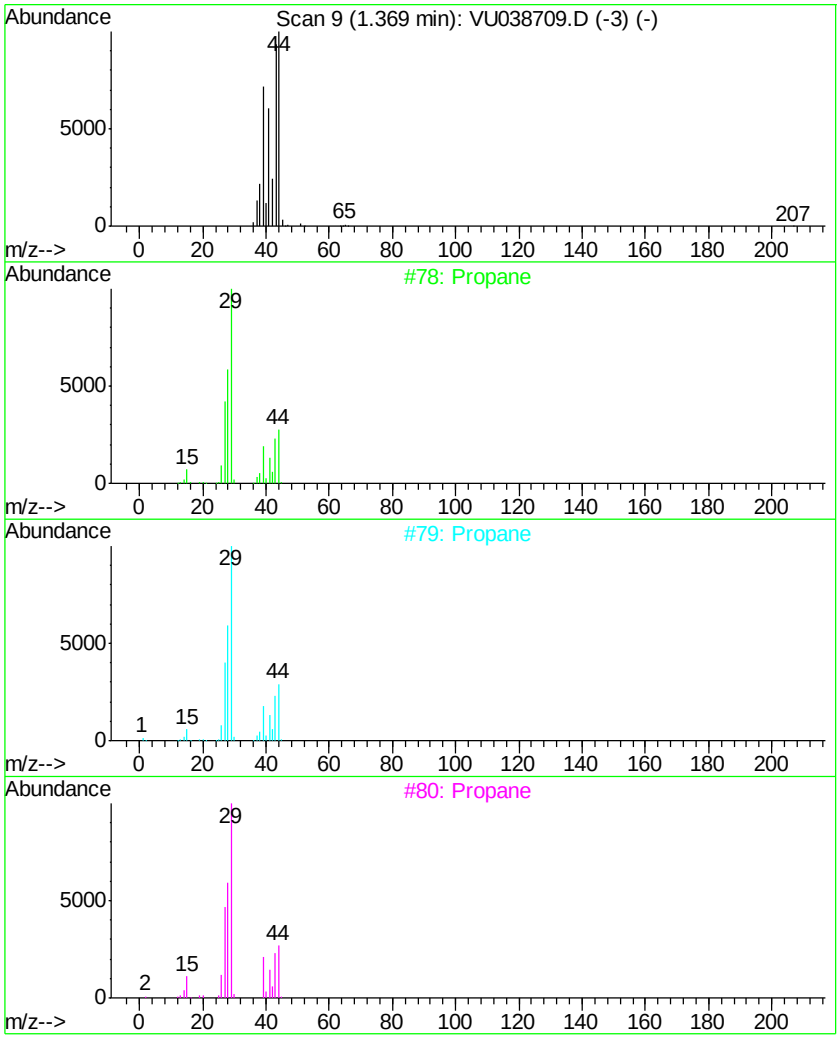
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

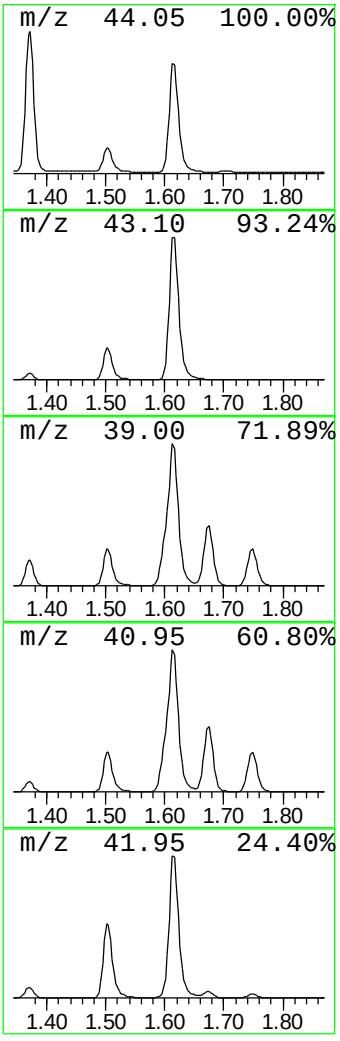
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	36.71 ug/L	1348290	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	90
2	Propane	44	C3H8	000074-98-6	83
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

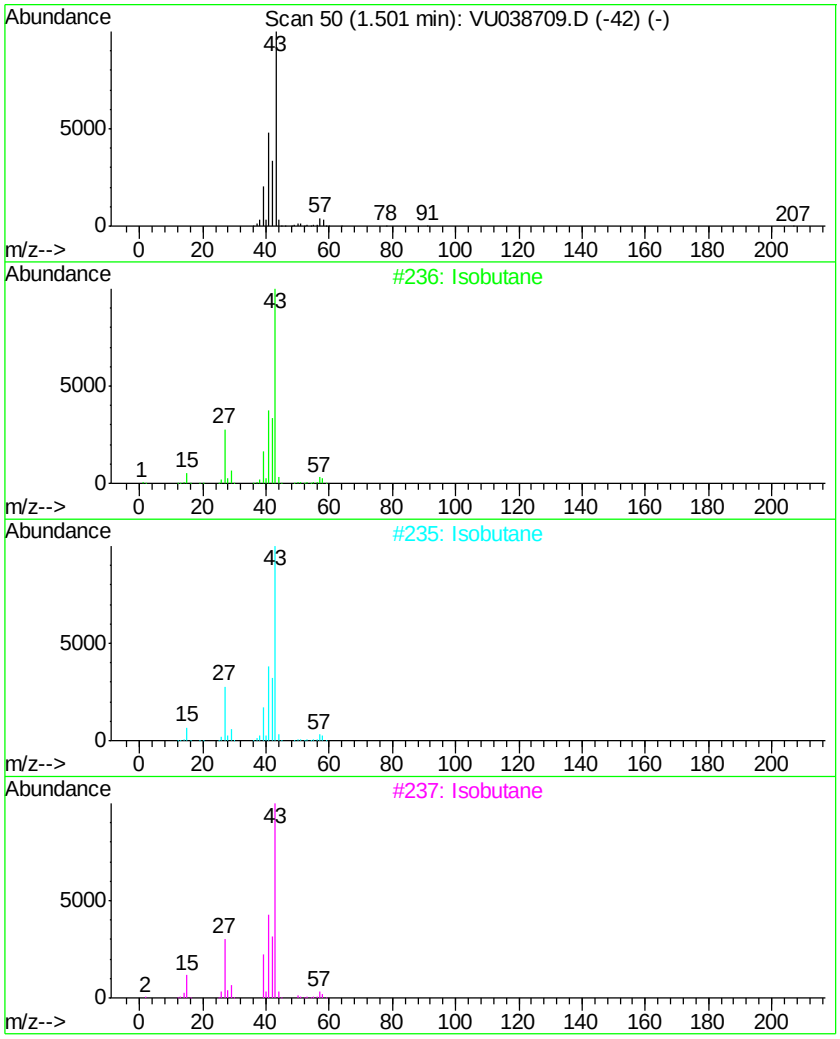
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

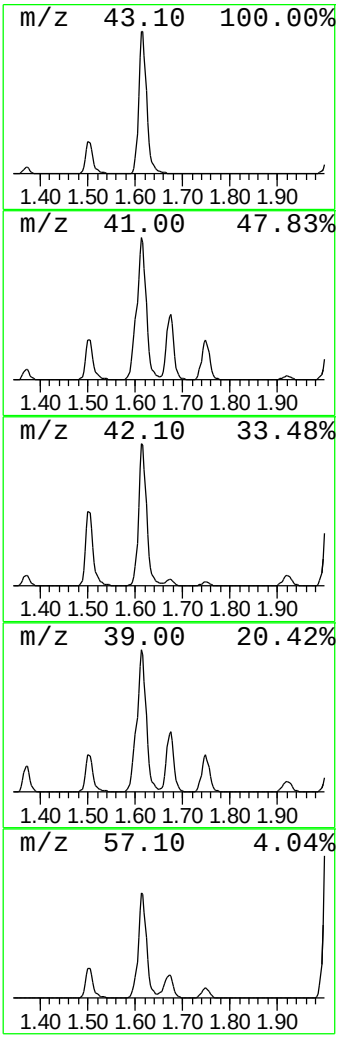
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	117.33 ug/L	4309190	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	59
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
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Acq On : 09 Jun 2020 08:32
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Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

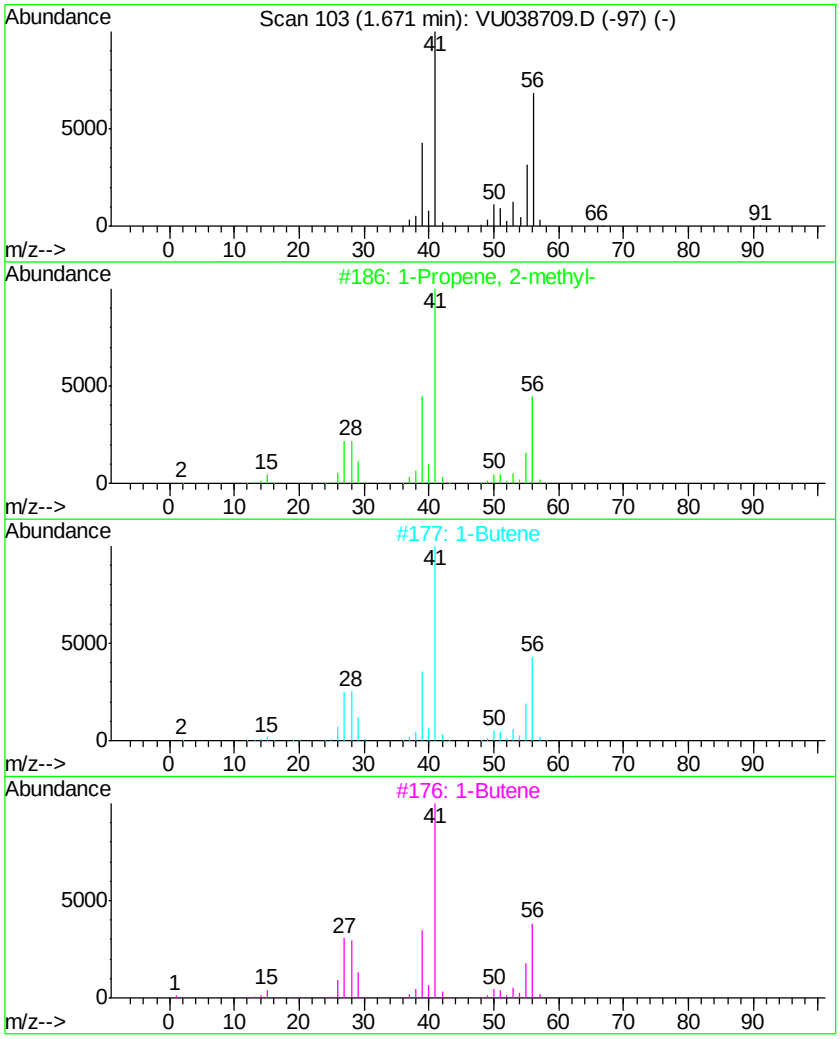
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

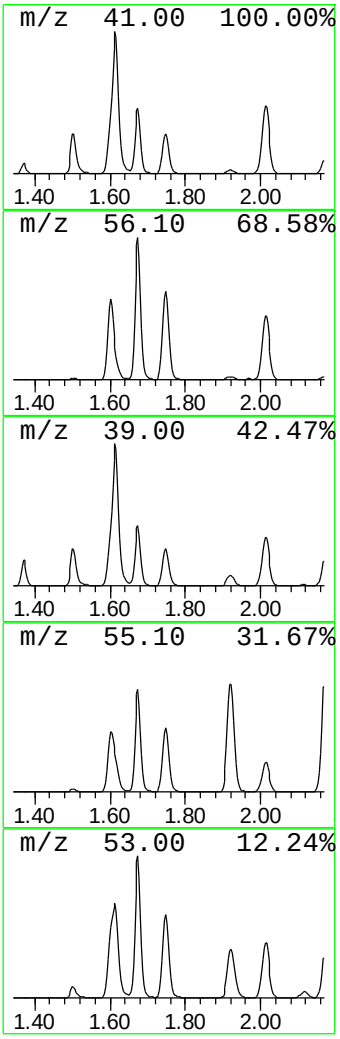
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	128.24 ug/L	4709730	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83
2	1-Butene	56	C4H8	000106-98-9	83
3	1-Butene	56	C4H8	000106-98-9	80
4	1-Butene	56	C4H8	000106-98-9	80
5	2-Butene, (Z)-	56	C4H8	000590-18-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

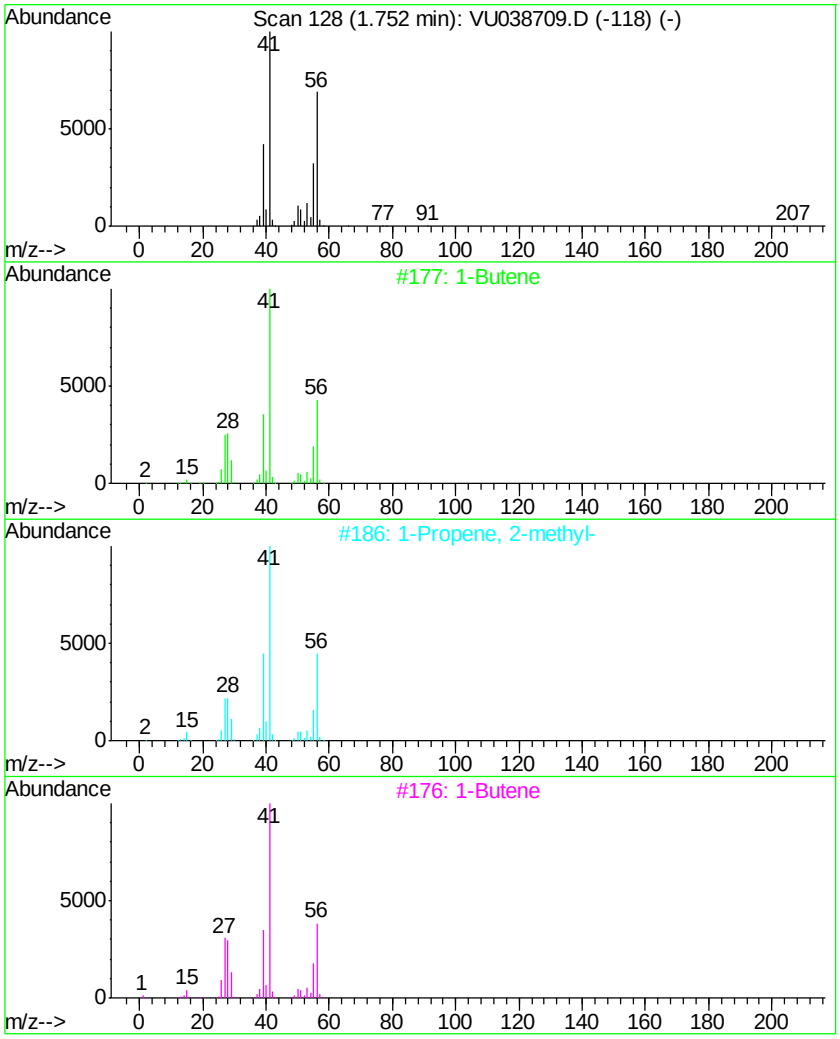
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

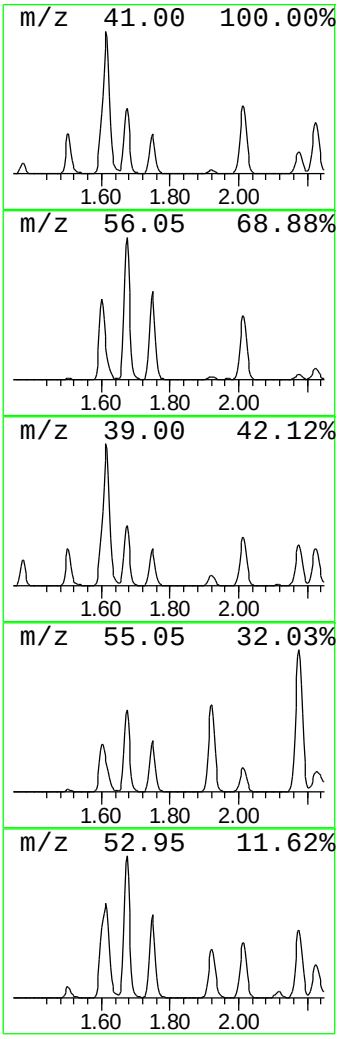
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	80.10 ug/L	2941630	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	87
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
3	1-Butene	56	C4H8	000106-98-9	83
4	2-Butene, (Z)-	56	C4H8	000590-18-1	83
5	1-Butene	56	C4H8	000106-98-9	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

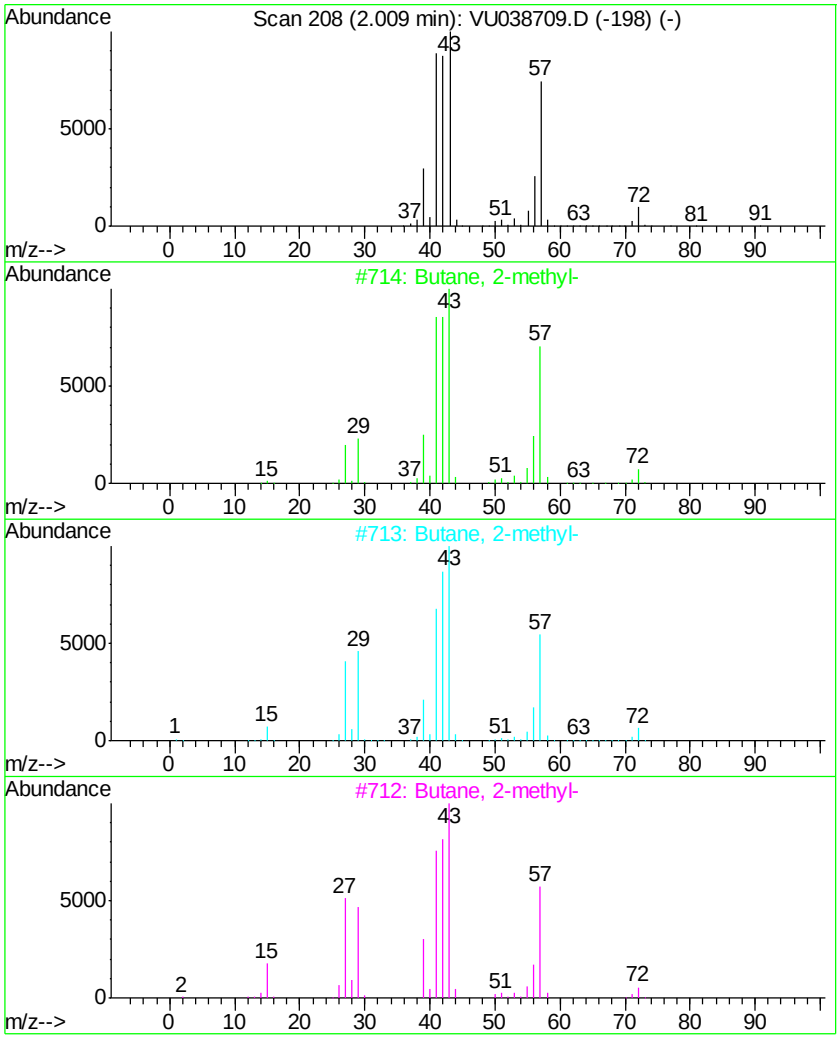
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

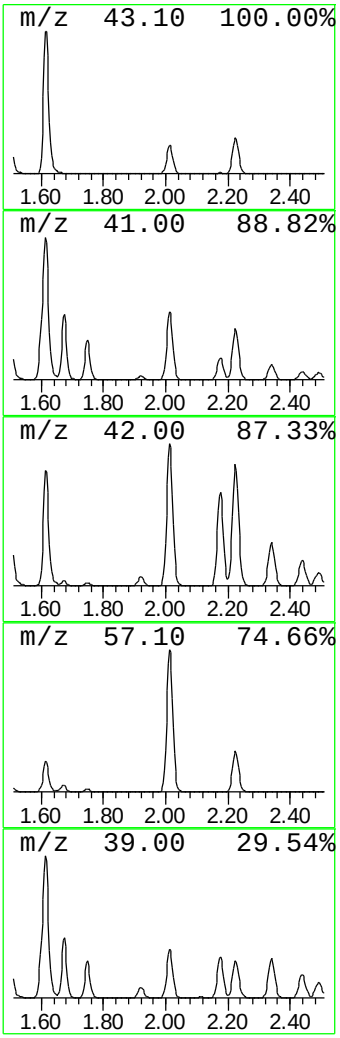
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	267.34 ug/L	9818320	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	38
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

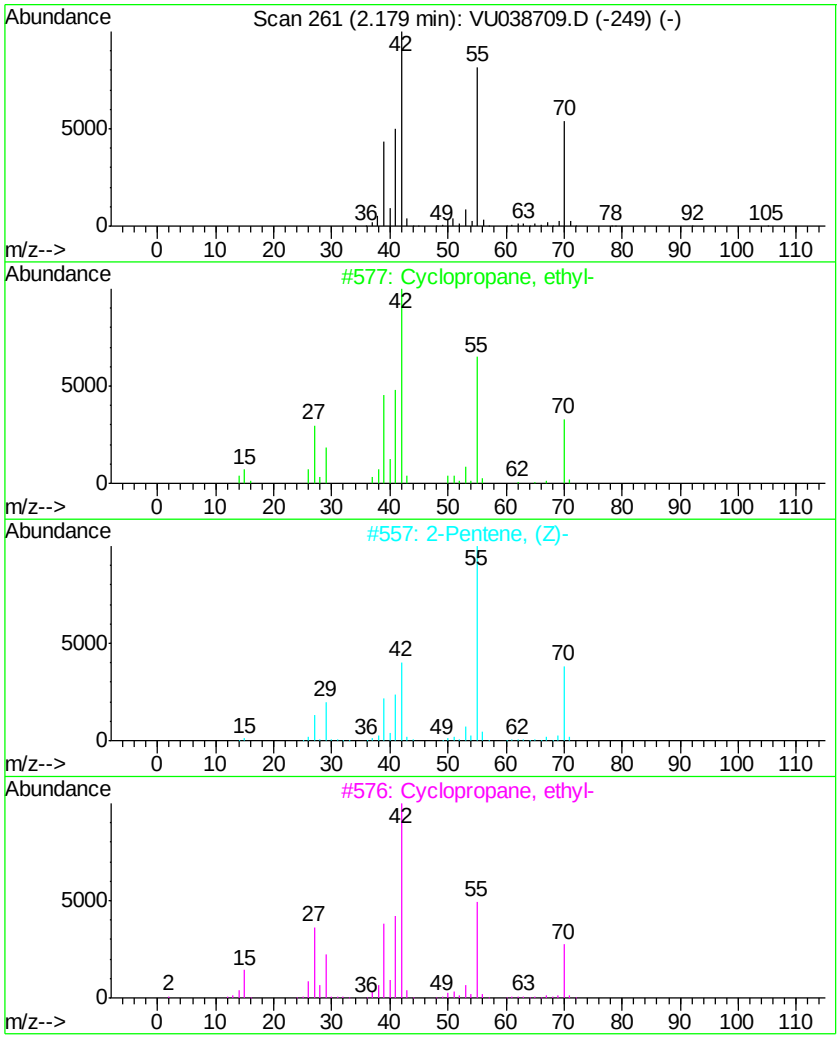
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

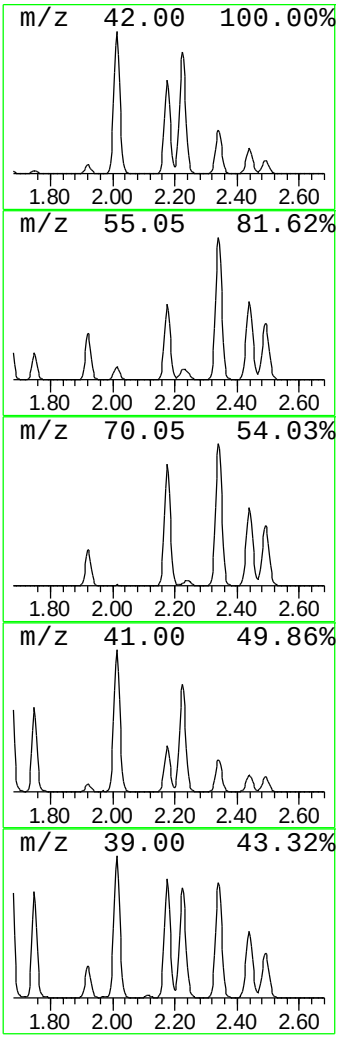
****

Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	127.85 ug/L	4695530	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
4	1-Pentene	70	C5H10	000109-67-1	74
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	70





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Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

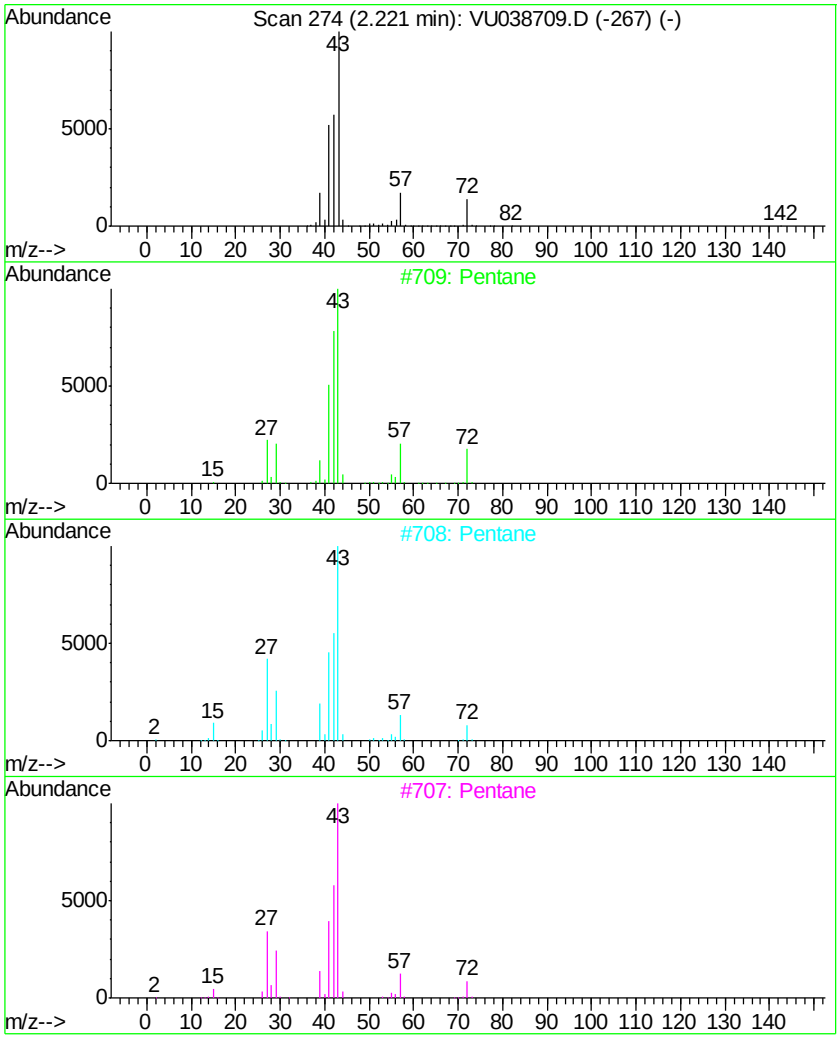
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

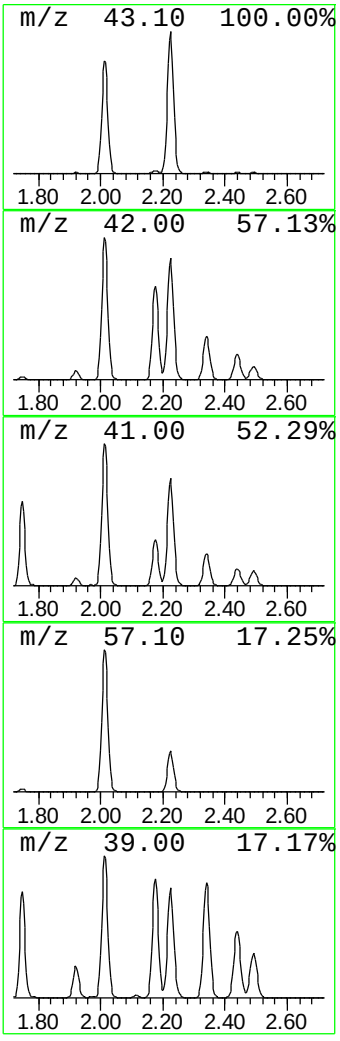
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	221.27 ug/L	8126360	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	59
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	33





Library Search Compound Report

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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

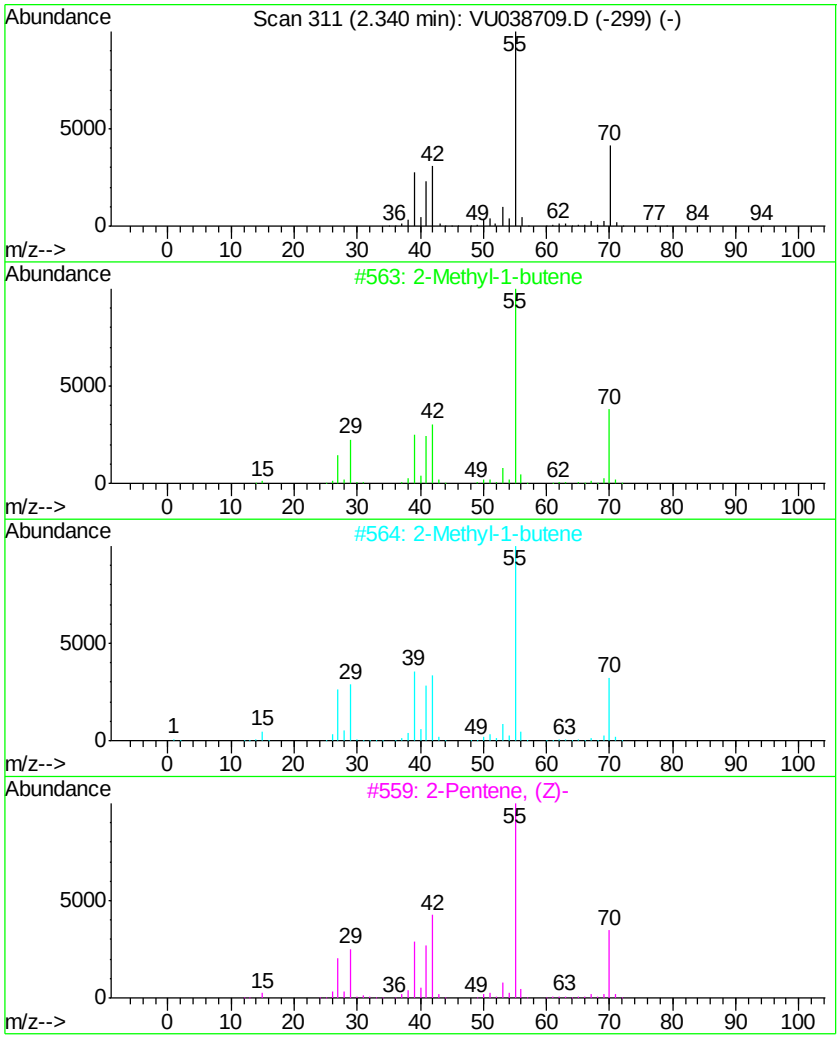
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

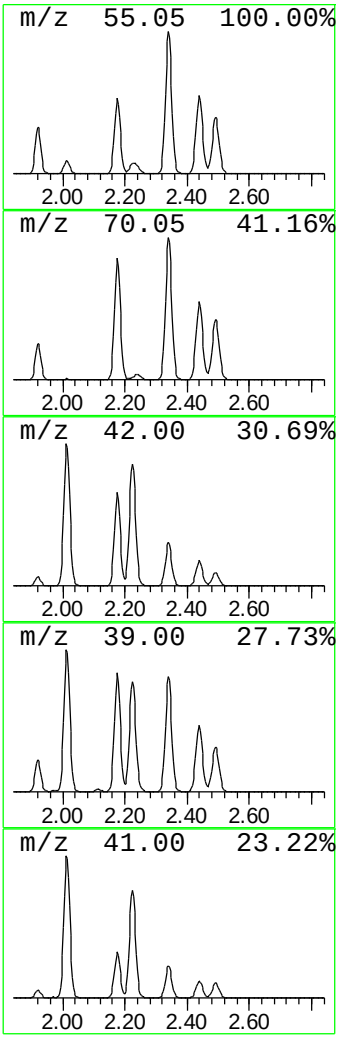
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	144.73 ug/L	5315230	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Methyl-1-butene	70	C5H10	000563-46-2	91
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
4	2-Pentene, (E)-	70	C5H10	000646-04-8	90
5	2-Pentene	70	C5H10	000109-68-2	90





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

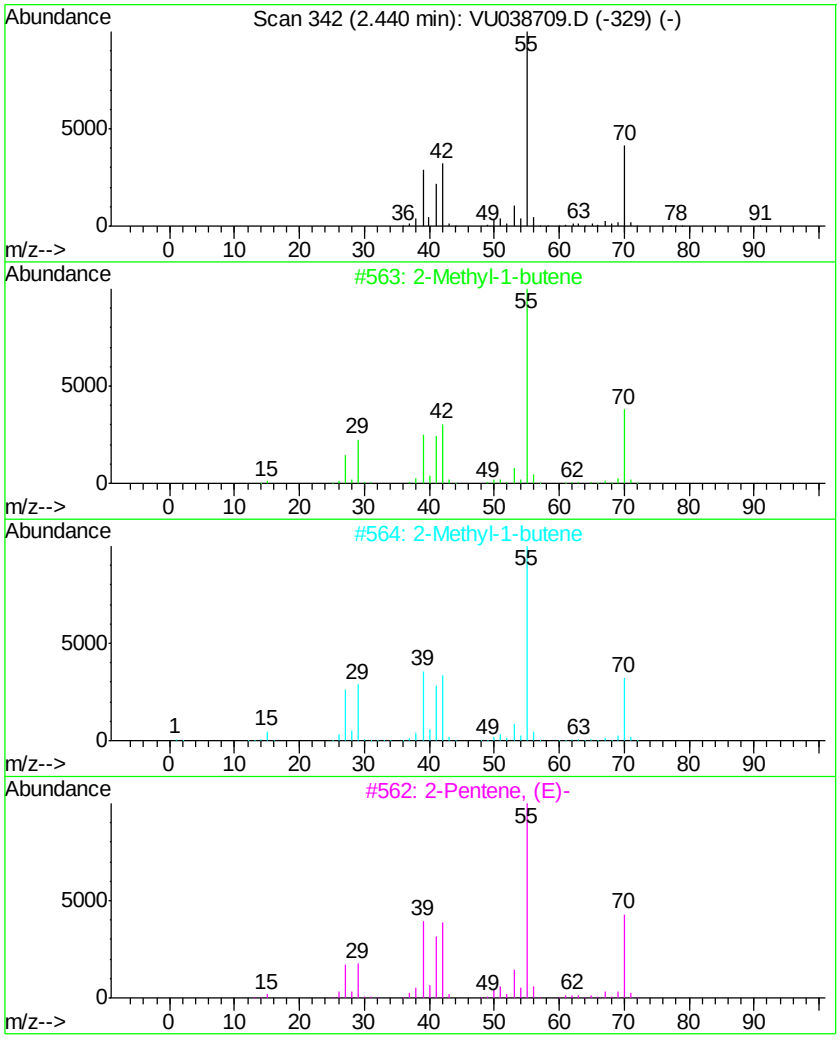
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

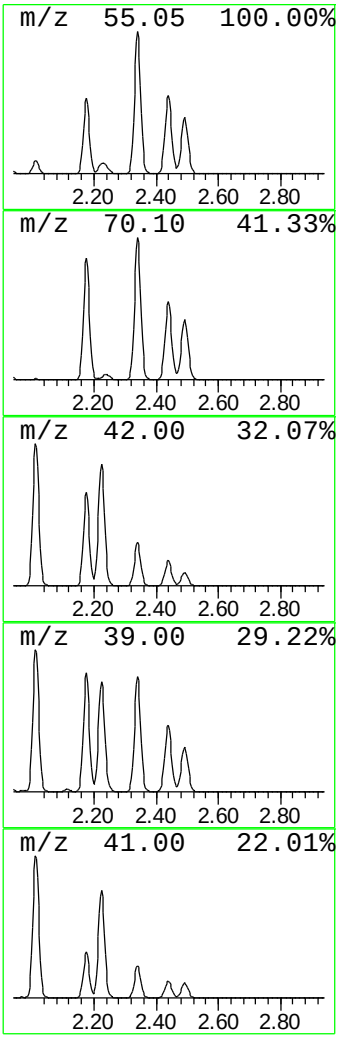
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	84.63 ug/L	3107980	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Methyl-1-butene	70	C5H10	000563-46-2	91
3	2-Pentene, (E)-	70	C5H10	000646-04-8	90
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
5	2-Pentene	70	C5H10	000109-68-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

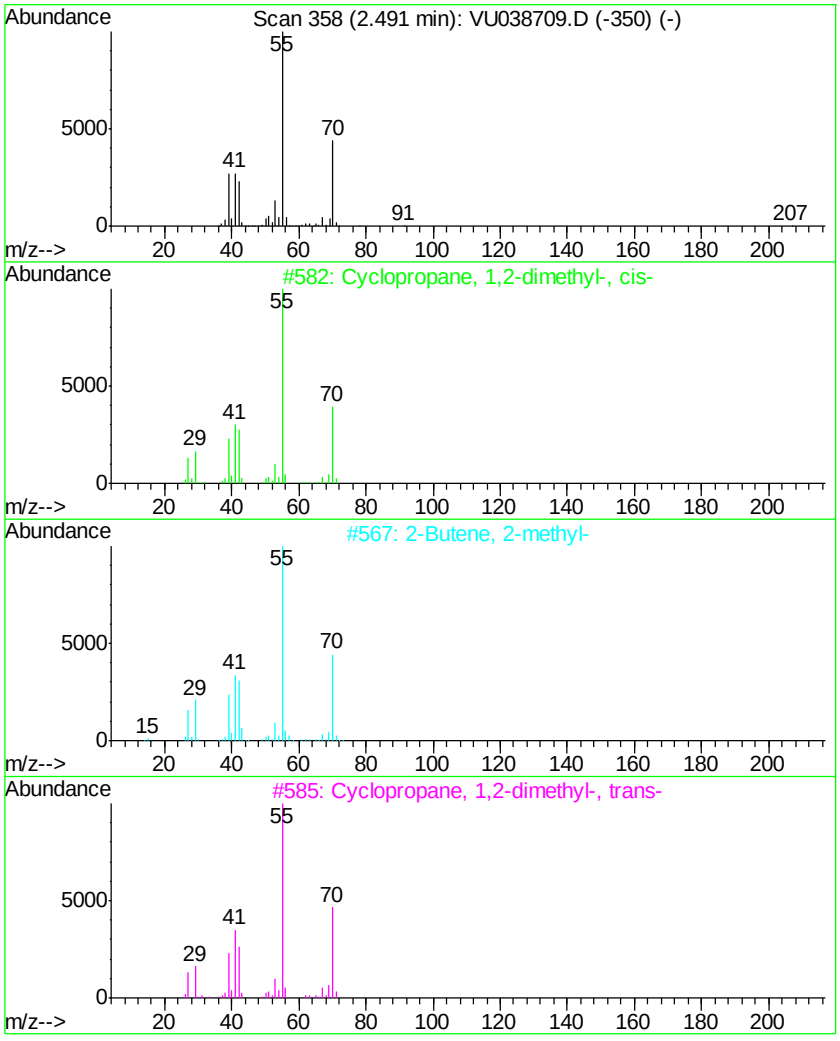
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

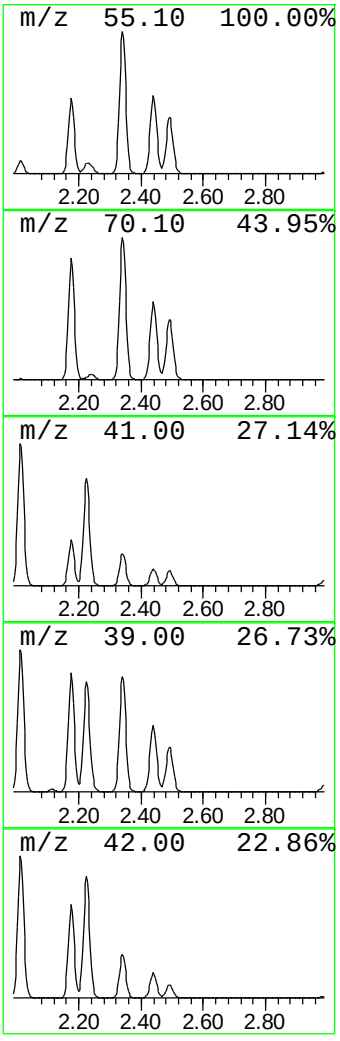
****

Peak Number 10 (DEL) Alkane: Cyclic2.49 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	65.42 ug/L	2402810	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
5	2-Methyl-1-butene	70	C5H10	000563-46-2	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

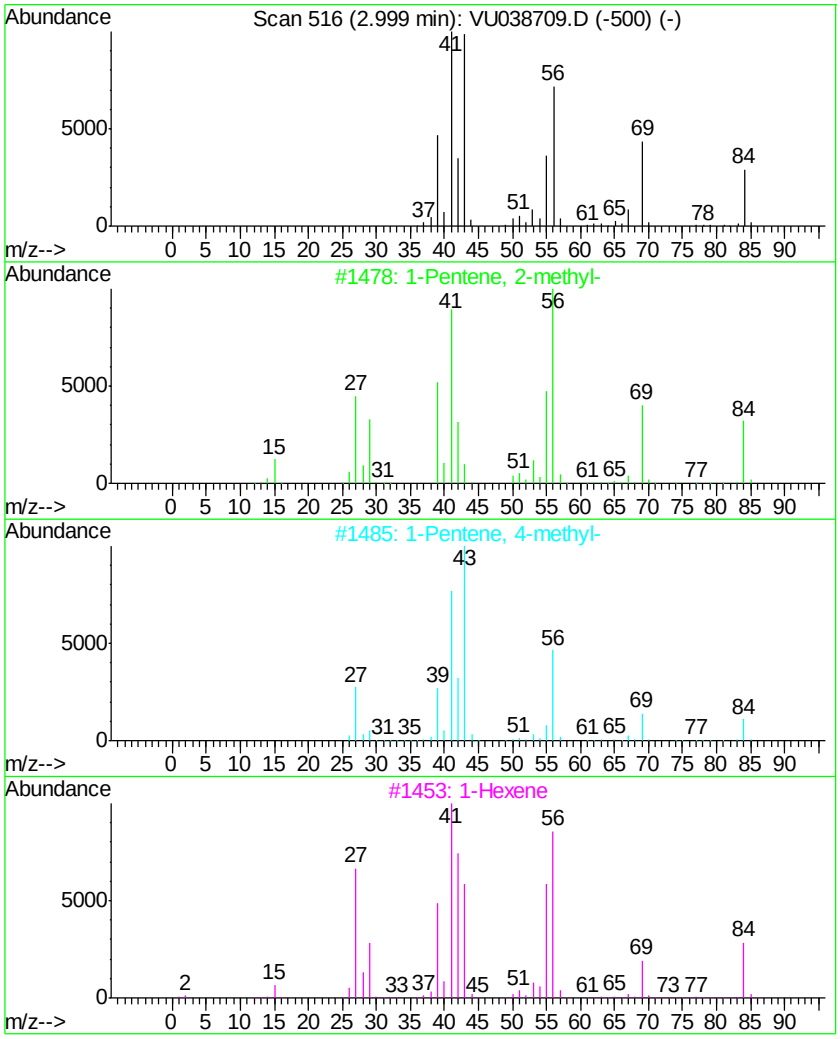
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

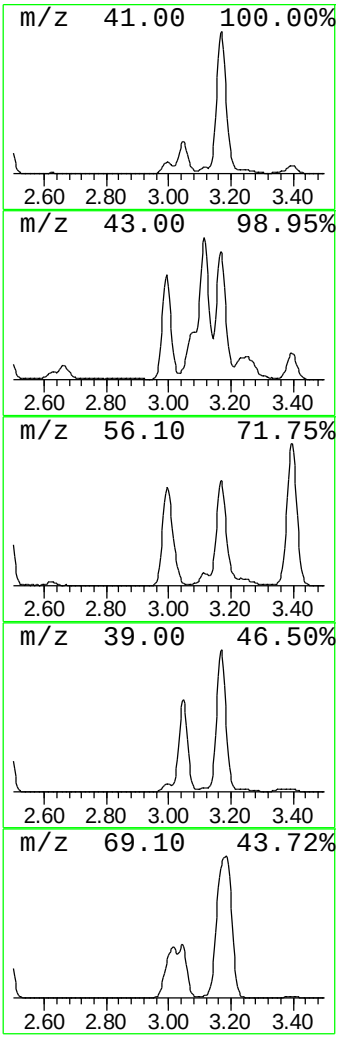
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	14.17 ug/L	520579	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	64
3	1-Hexene	84	C6H12	000592-41-6	64
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	59
5	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

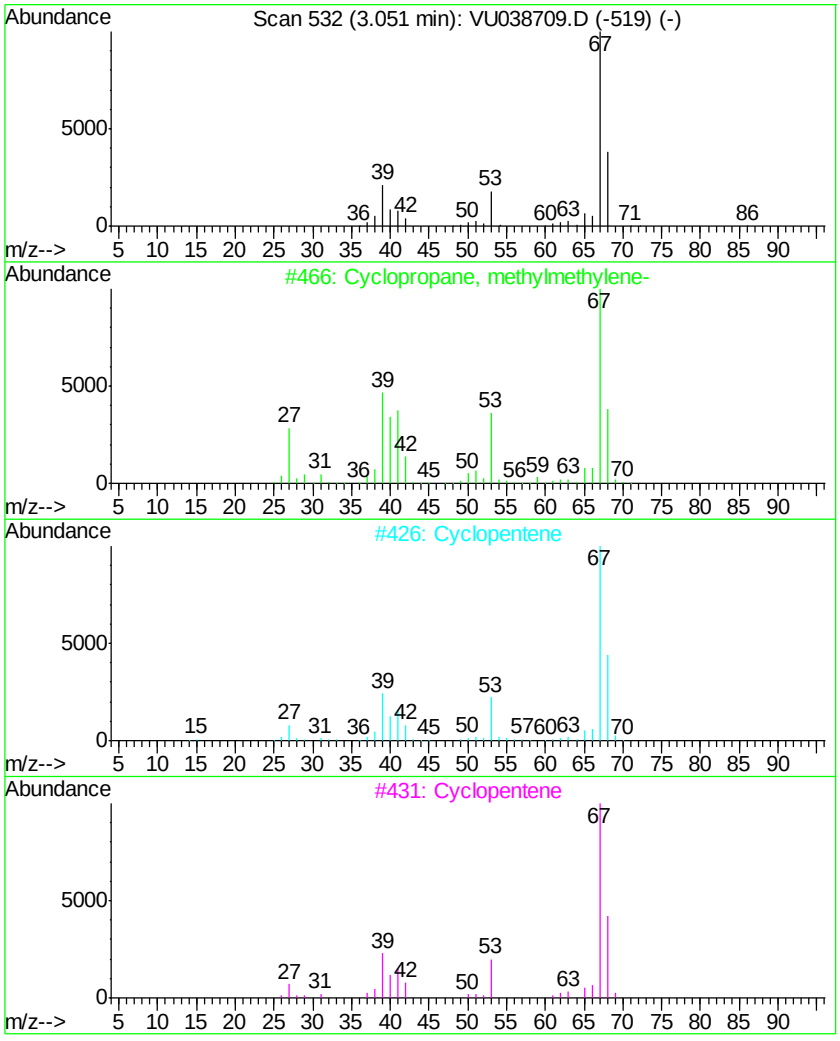
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

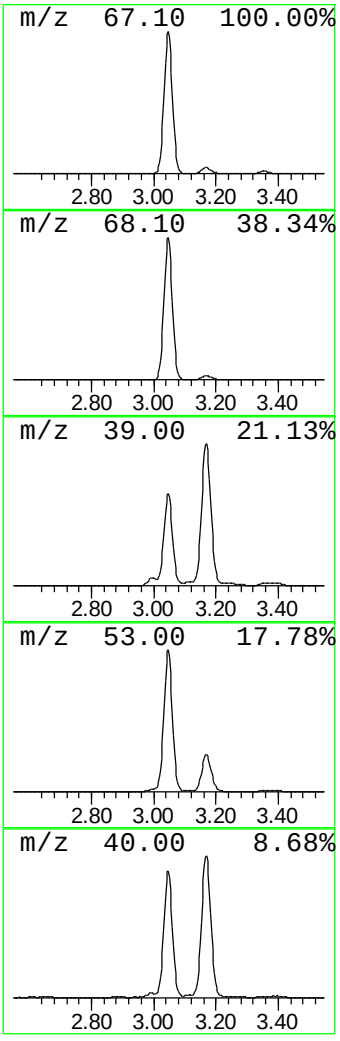
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopropane, methylmethylene- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	163.01 ug/L	5986740	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	91
2	Cyclopentene	68	C5H8	000142-29-0	91
3	Cyclopentene	68	C5H8	000142-29-0	86
4	Cyclopentene	68	C5H8	000142-29-0	86
5	Cyclopentene	68	C5H8	000142-29-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

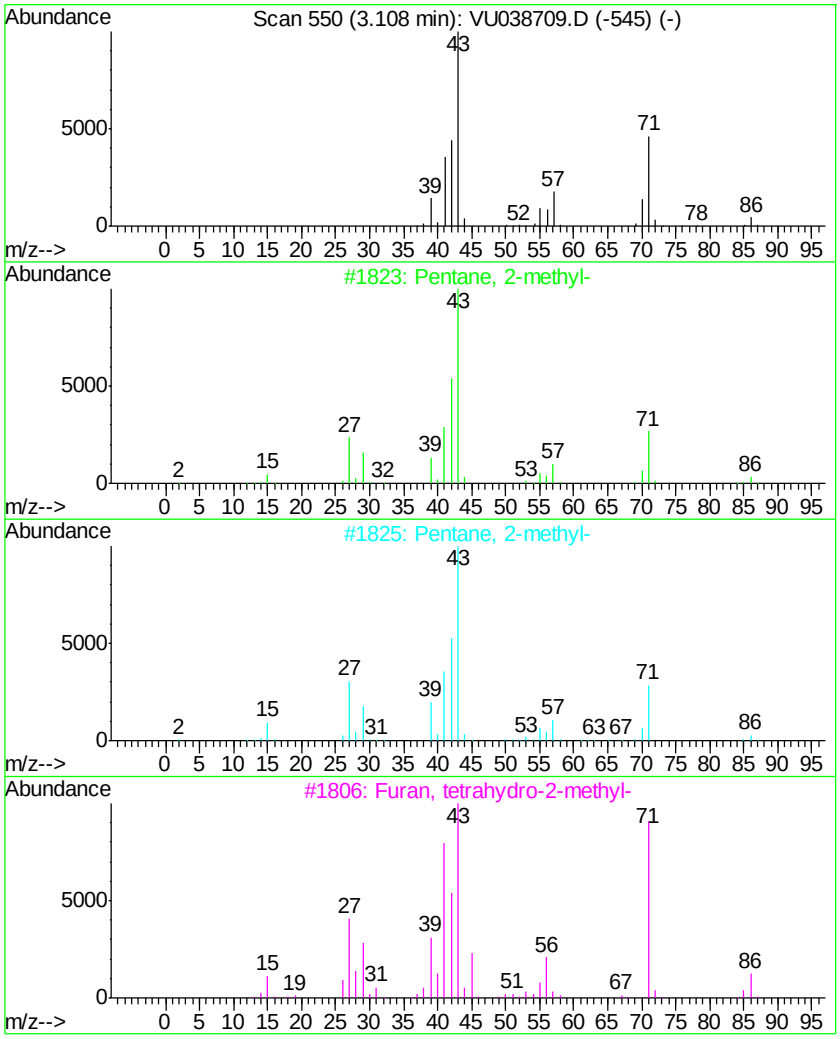
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

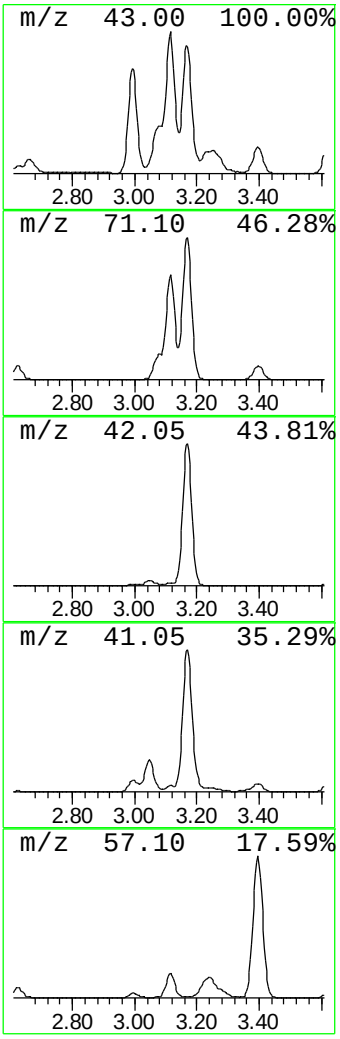
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	5.62 ug/L	206256	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

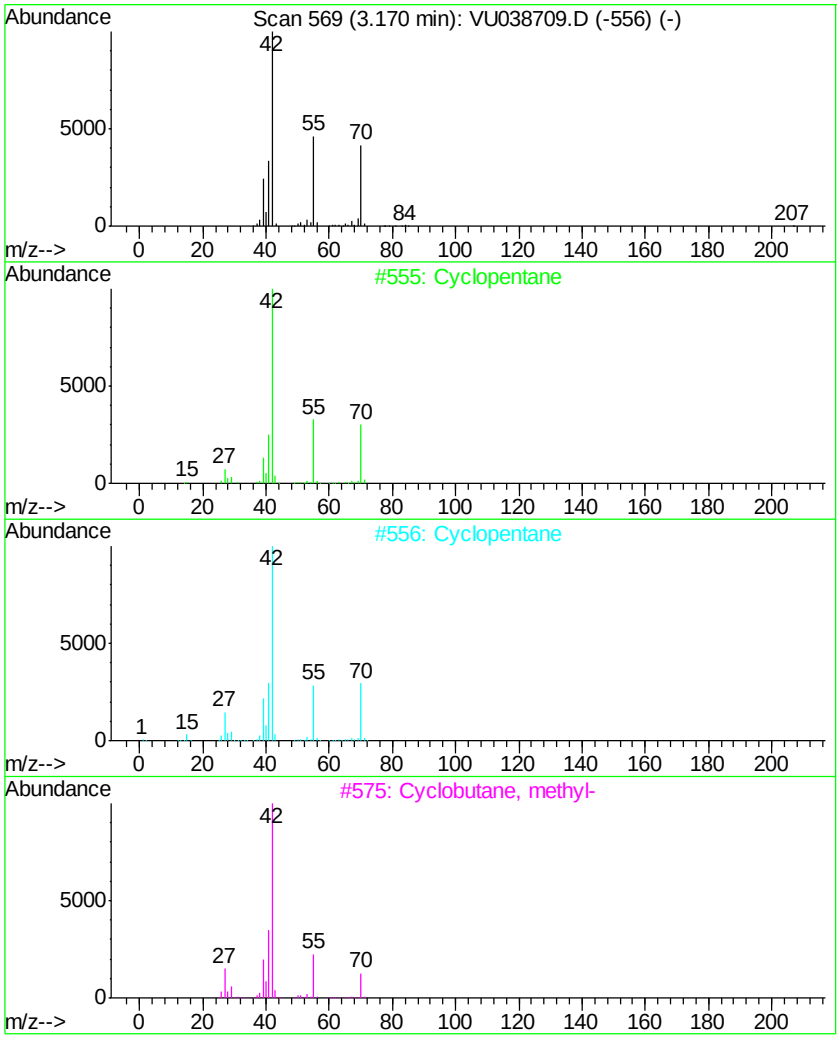
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

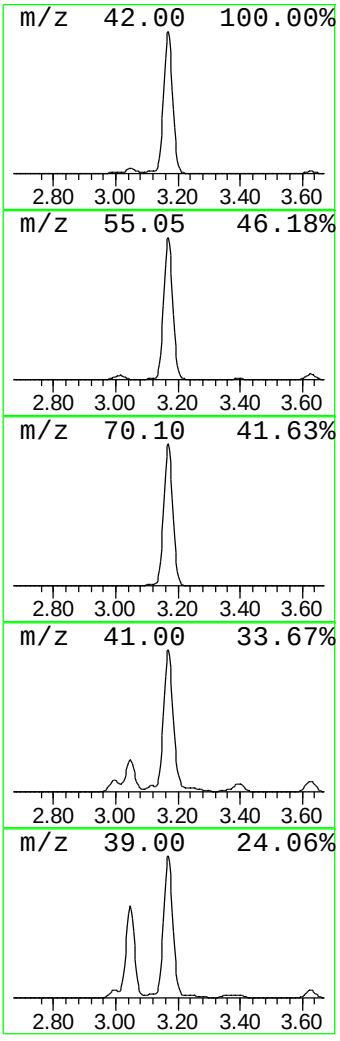
****

Peak Number 14 (DEL) Alkane: Cyclic3.17 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	296.46 ug/L	10888000	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	78
2	Cyclopentane	70	C5H10	000287-92-3	78
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
4	1-Pentene	70	C5H10	000109-67-1	64
5	1-Pentene	70	C5H10	000109-67-1	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

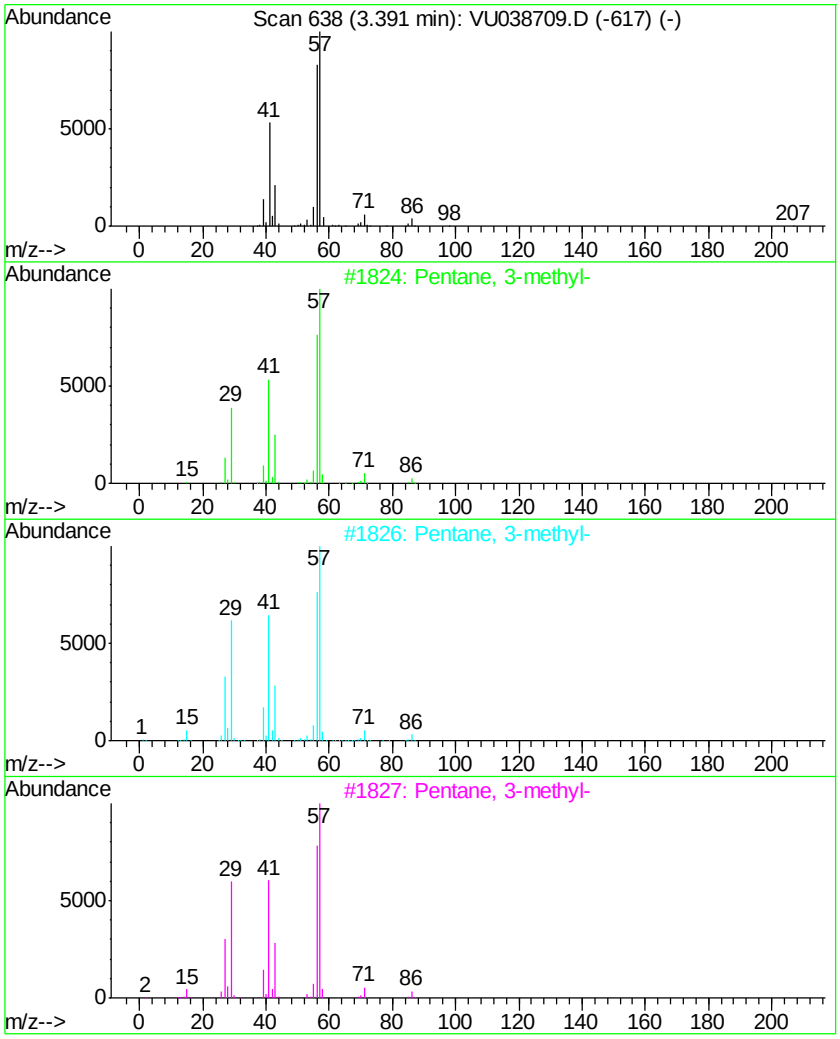
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

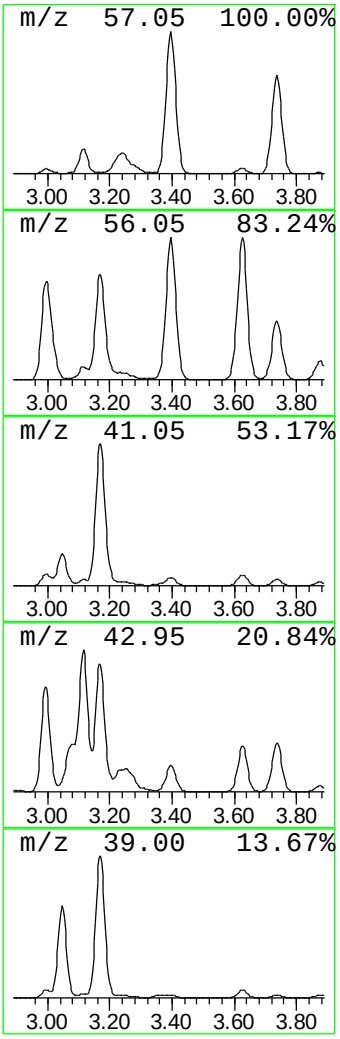
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	16.76 ug/L	615561	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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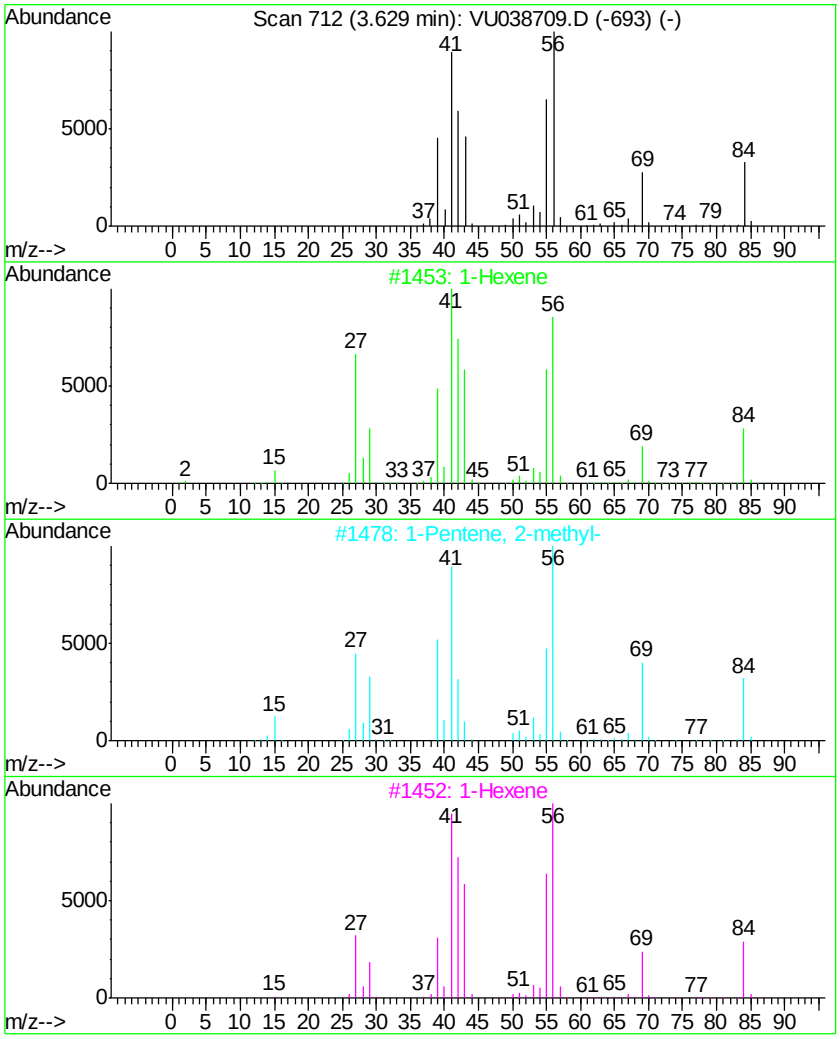
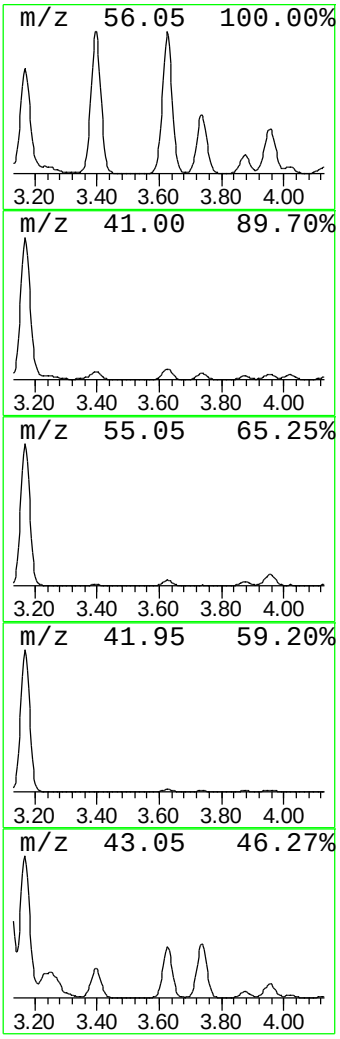
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	17.58 ug/L	645585	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	95
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
3	1-Hexene	84	C6H12	000592-41-6	81
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

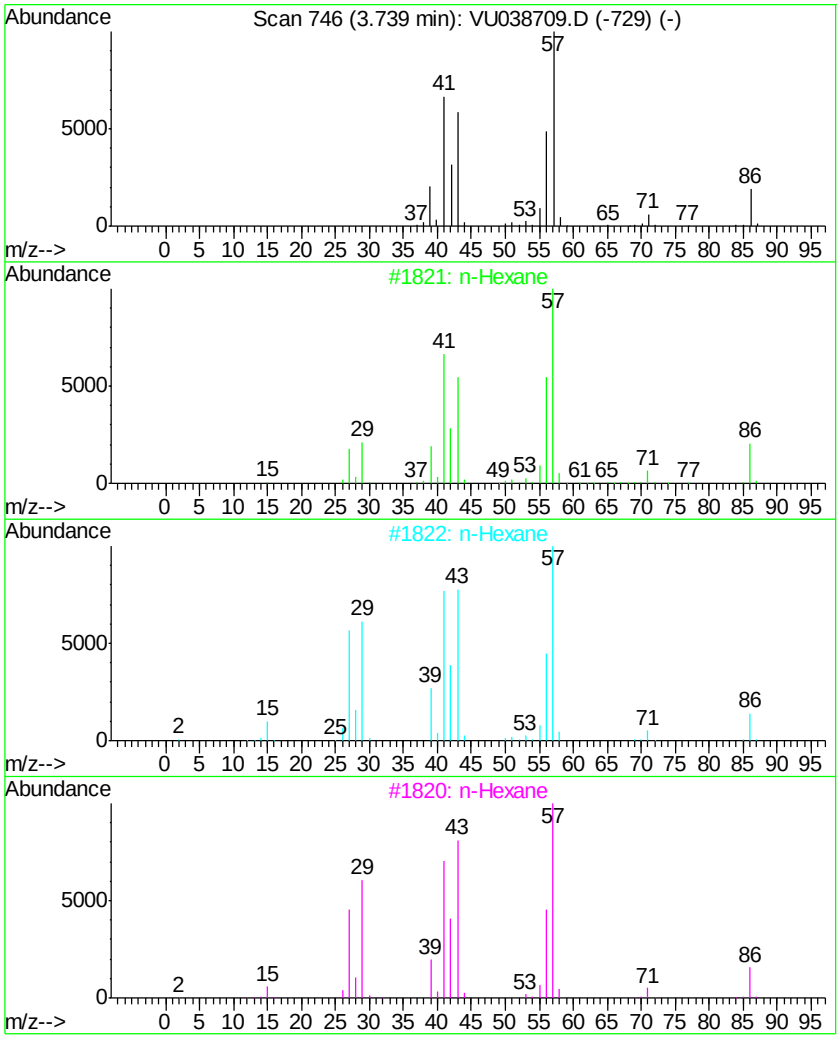
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

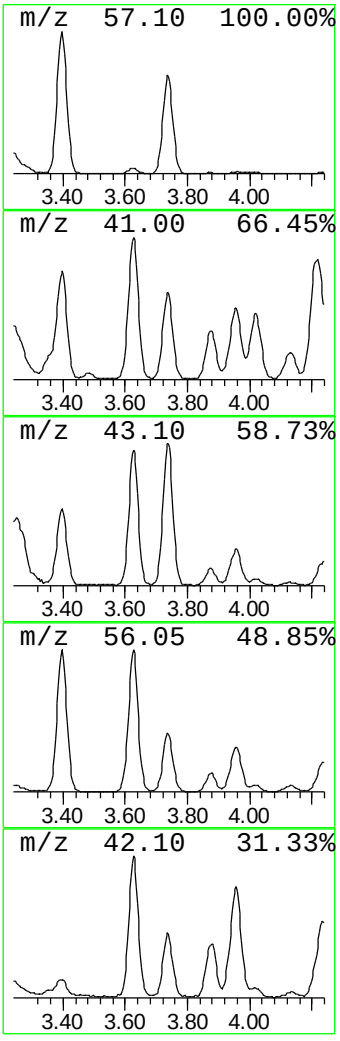
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	10.72 ug/L	393584	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	83
3	n-Hexane	86	C6H14	000110-54-3	59
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	37





Library Search Compound Report

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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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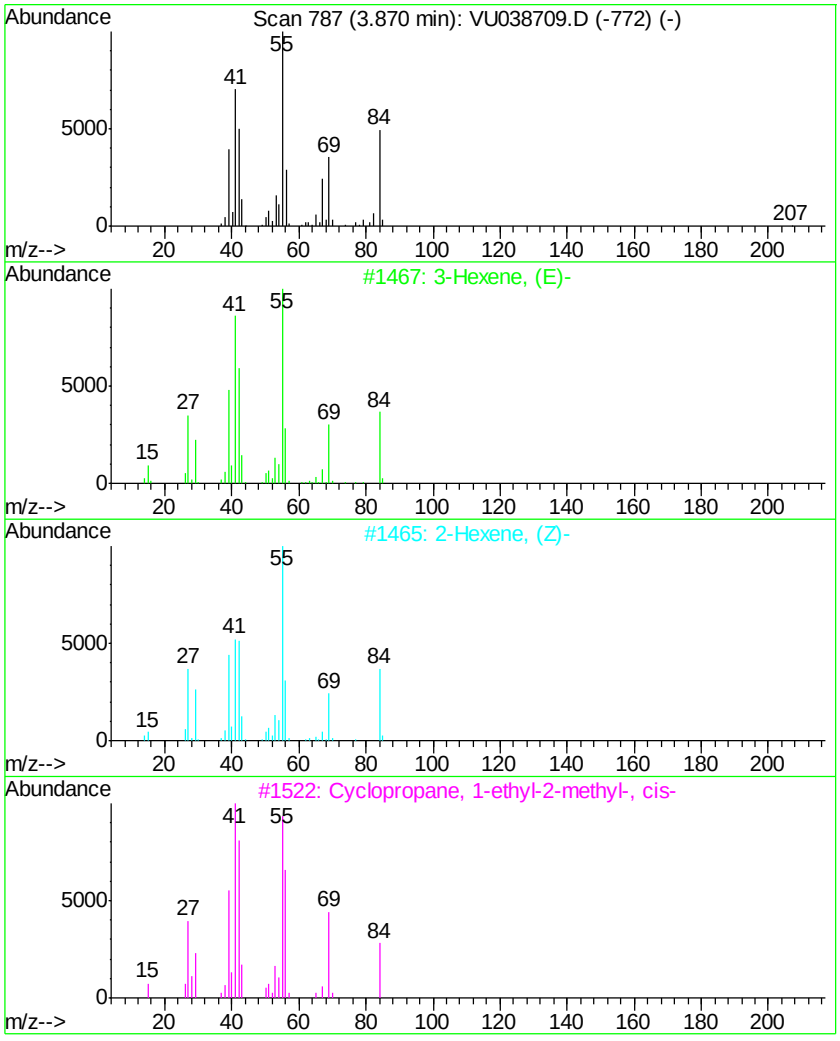
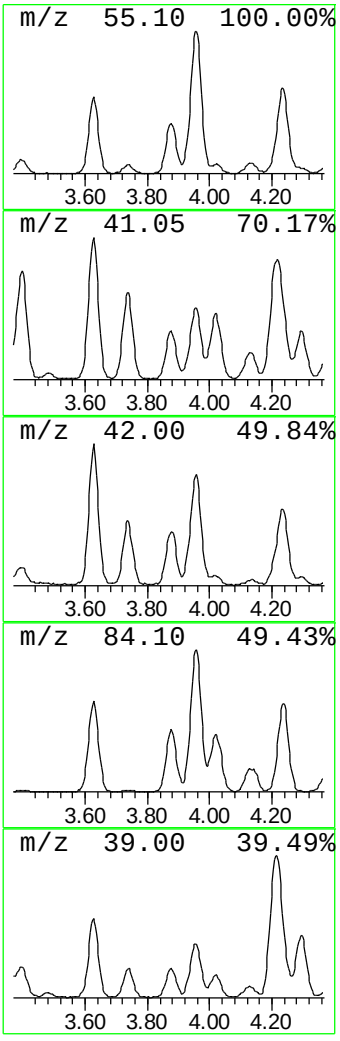
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	7.55 ug/L	277260	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (E)-	84	C6H12	013269-52-8	90
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	90
3	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	74
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	70
5	2-Hexene	84	C6H12	000592-43-8	70





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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

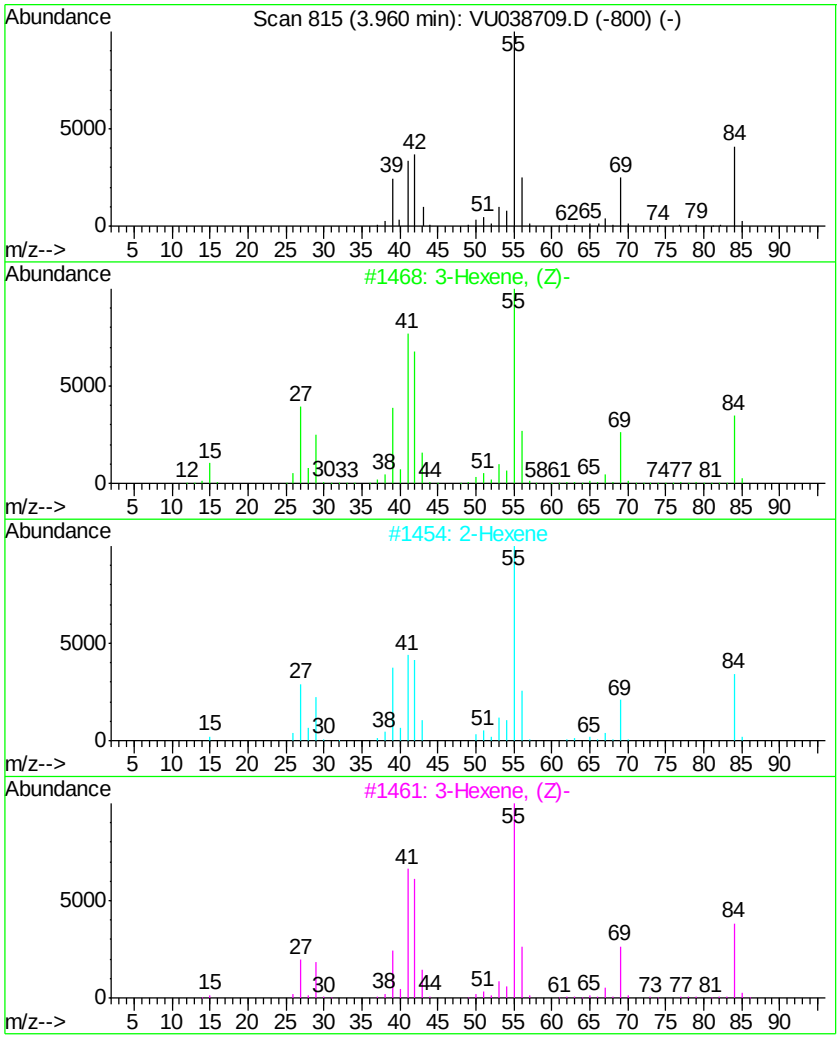
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

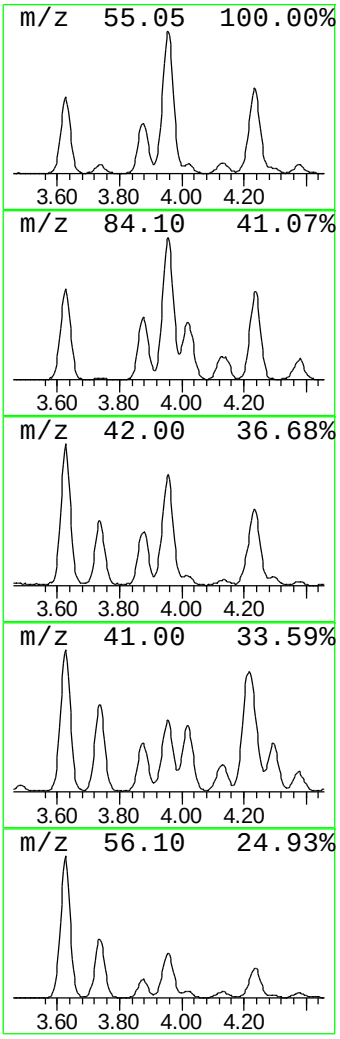
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	16.05 ug/L	589321	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
2	2-Hexene	84	C6H12	000592-43-8	91
3	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
4	2-Hexene, (E)-	84	C6H12	004050-45-7	91
5	2-Hexene, (Z)-	84	C6H12	007688-21-3	91





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Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

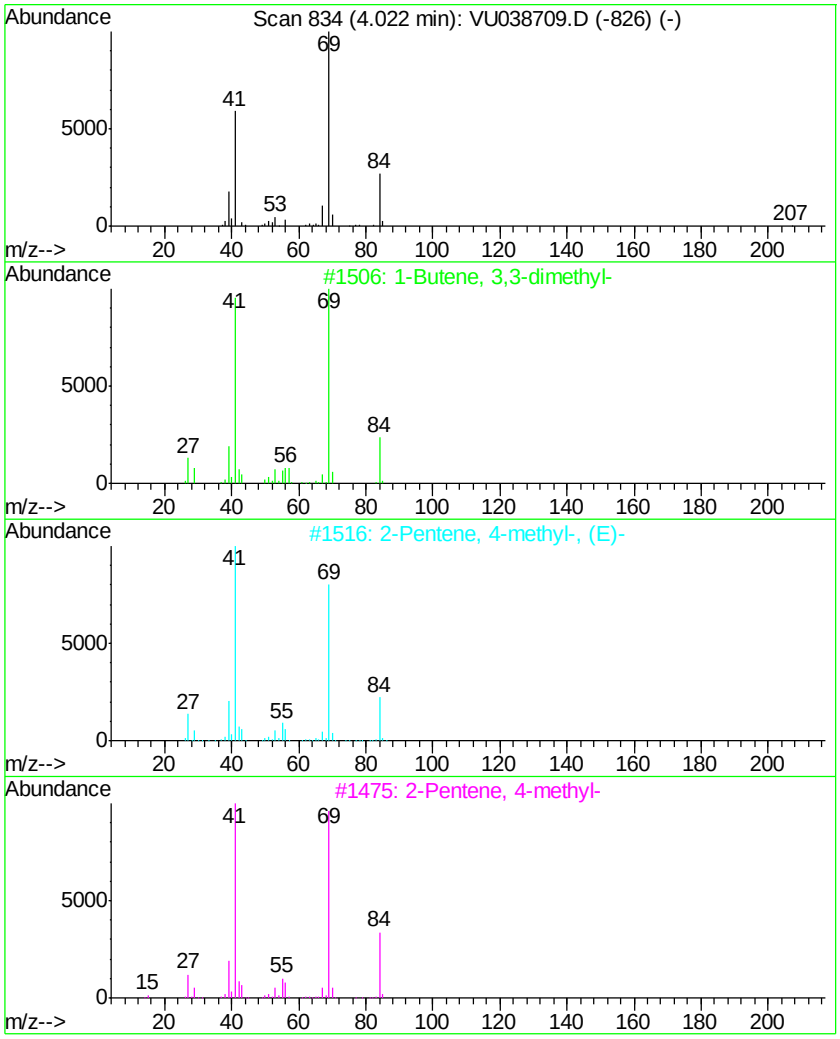
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

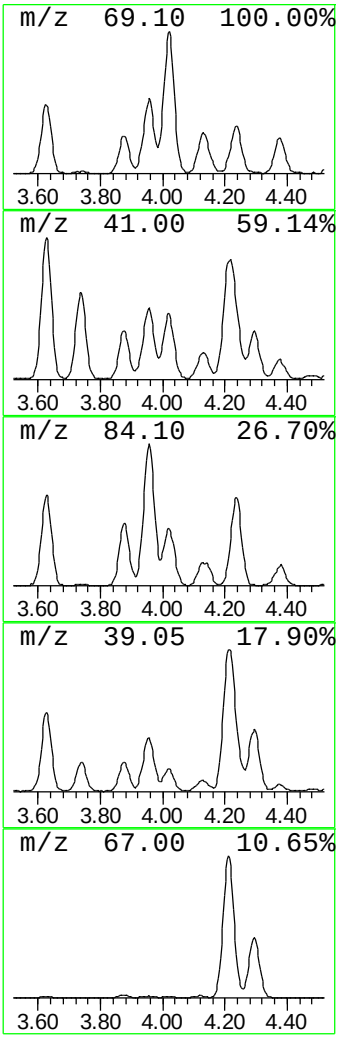
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	6.16 ug/L	226128	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	86
2	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	83
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	83
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	83
5	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	78





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Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

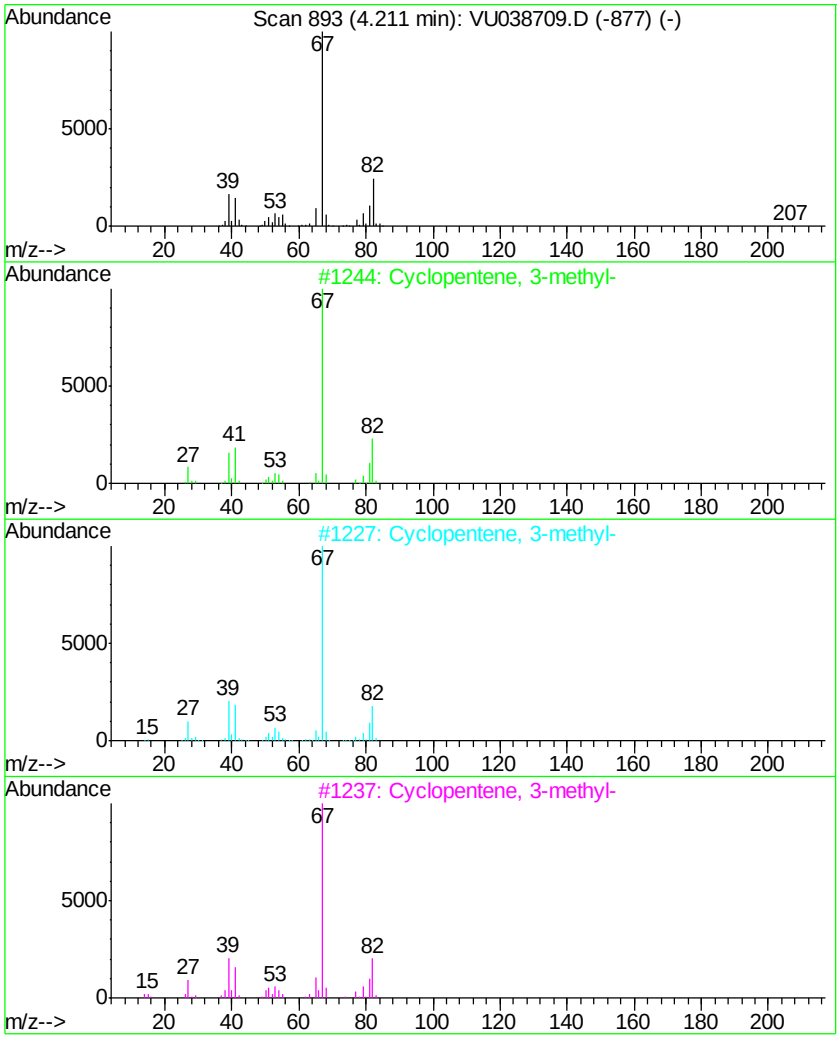
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

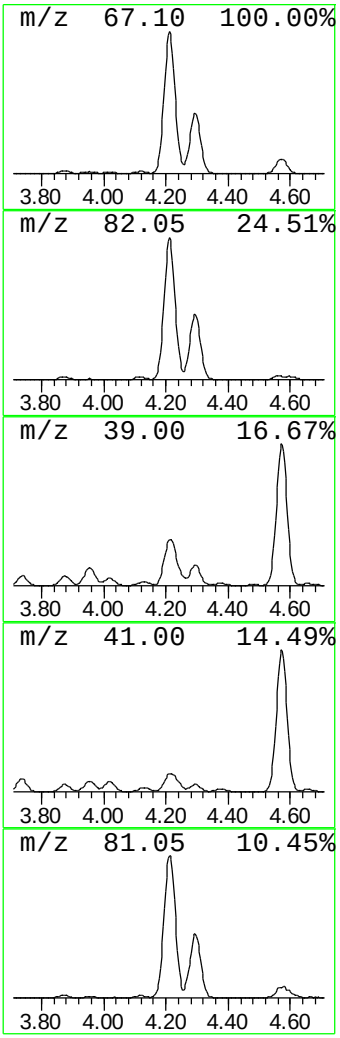
****

Peak Number 21 Cyclopentene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	50.23 ug/L	1844820	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86





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Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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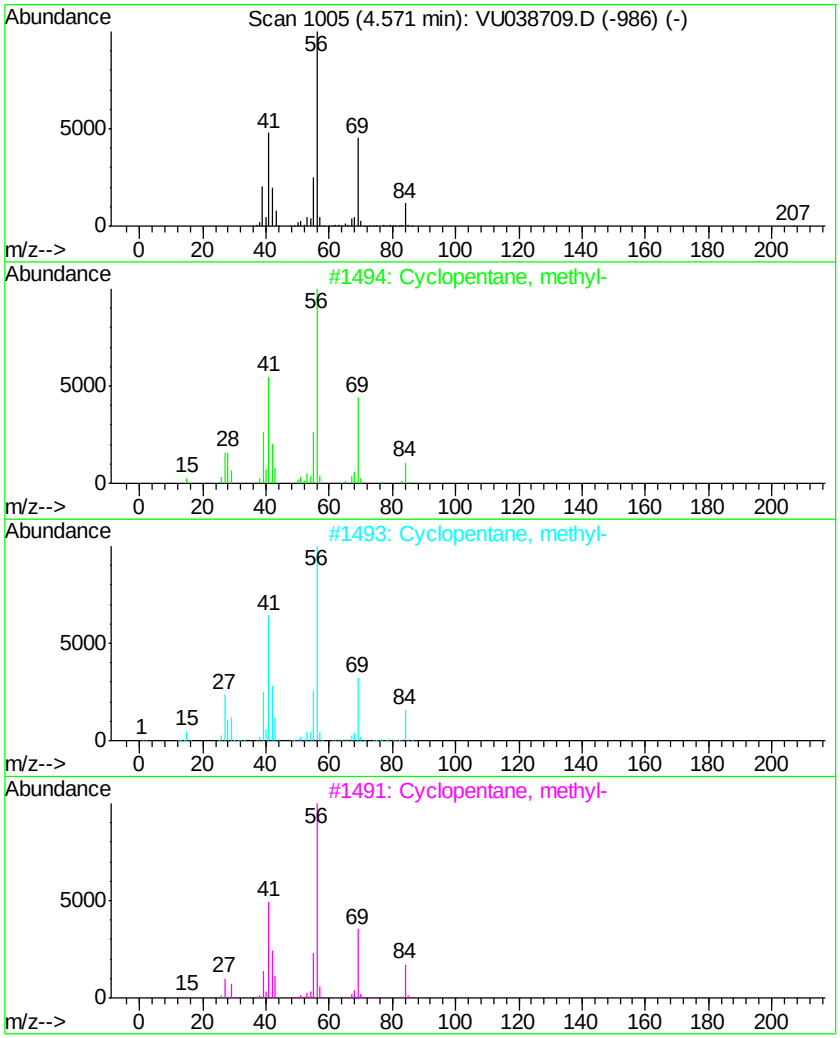
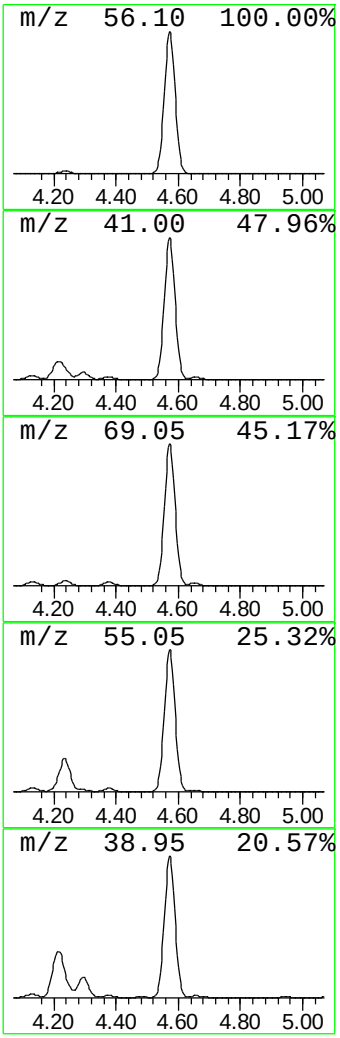
Peak Number 23 (DEL) Alkane: Cyclic4.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	145.40 ug/L	5339870	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
5	Cyclohexane	84	C6H12	000110-82-7	78





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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

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Quant Title : VOC Analysis

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

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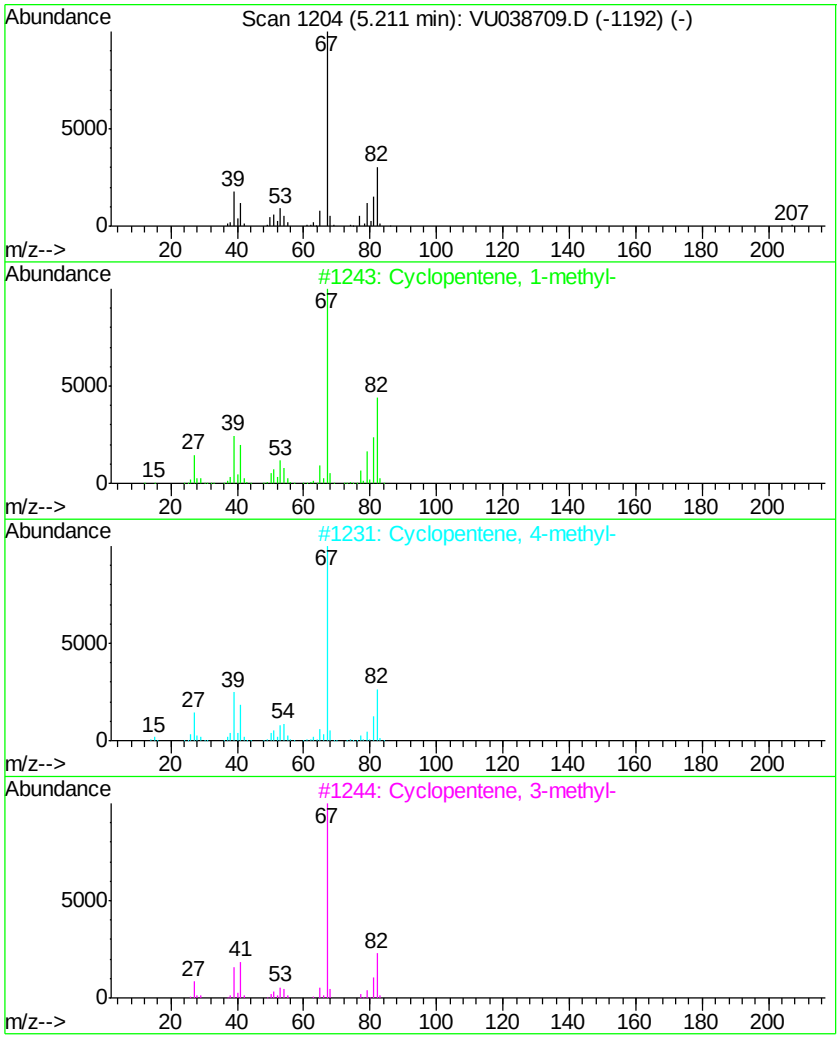
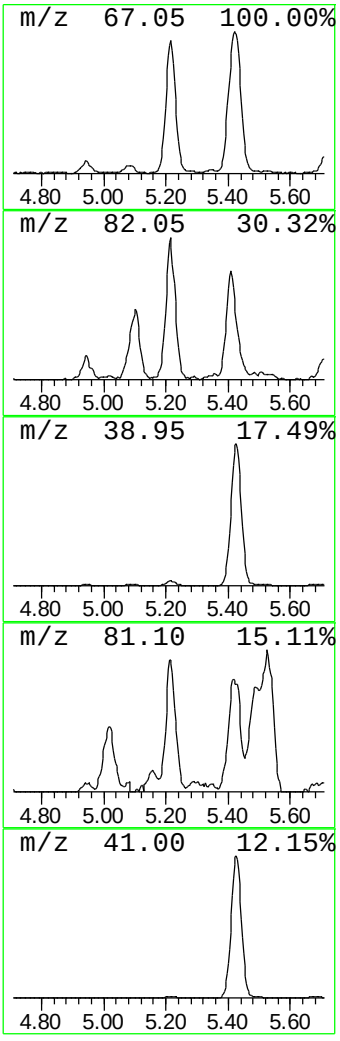
Peak Number 24 Cyclopentene, 1-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	6.08 ug/L	223124	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	86
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80





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Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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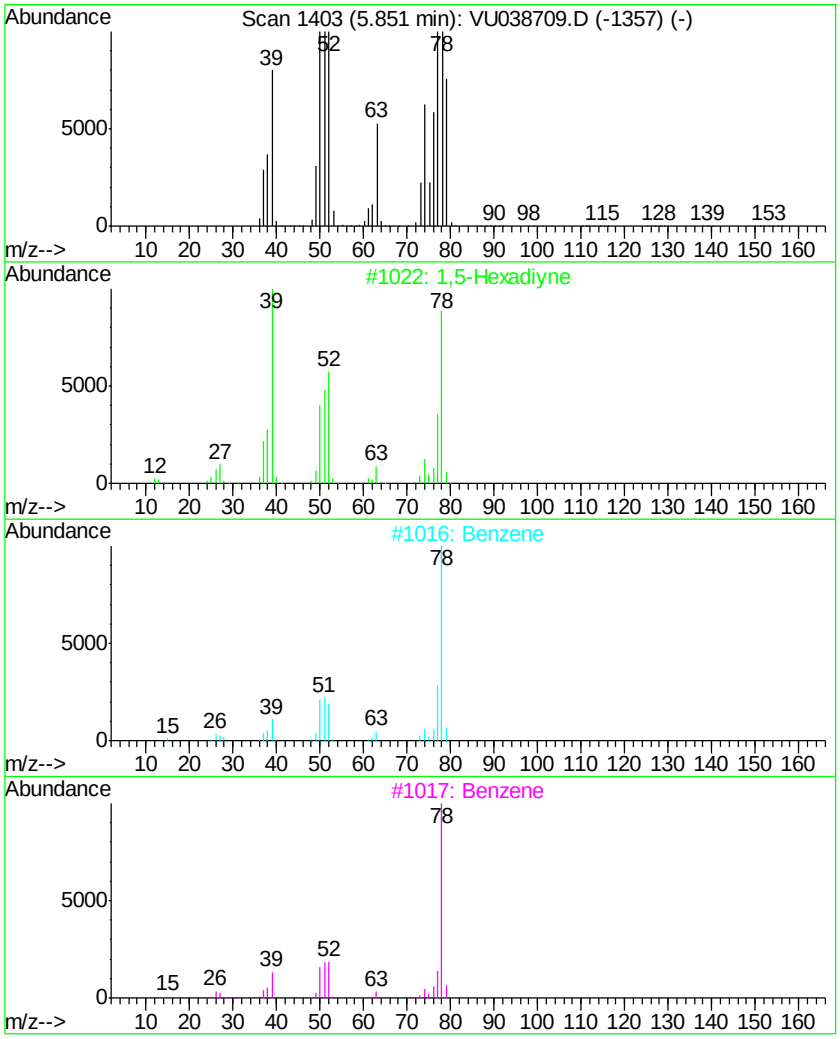
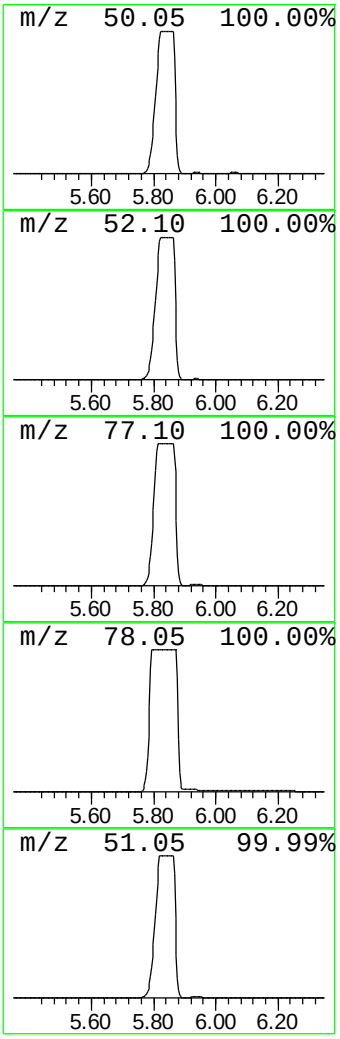
Peak Number 25 1,5-Hexadiyne Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	11237.90 ug/L	412725000	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Hexadiyne	78	C6H6	000628-16-0	64
2	Benzene	78	C6H6	000071-43-2	50
3	Benzene	78	C6H6	000071-43-2	50
4	2,4-Hexadiyne	78	C6H6	002809-69-0	49
5	1,5-Hexadiyne	78	C6H6	000628-16-0	47





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Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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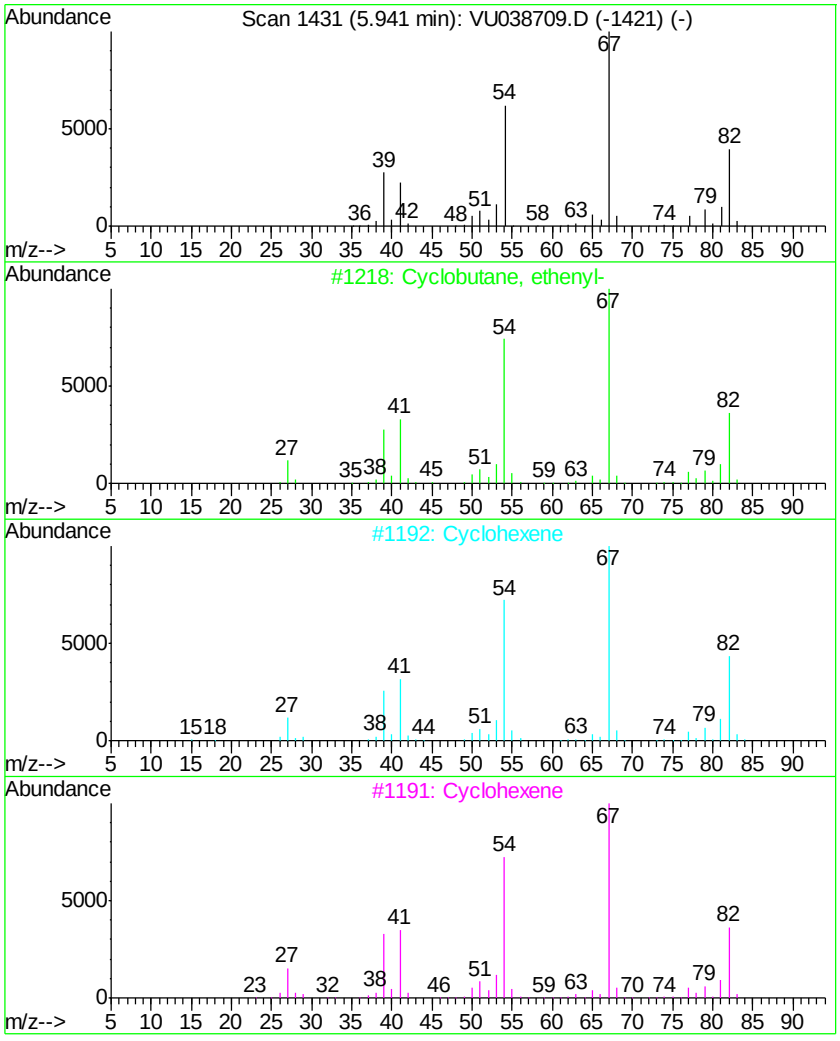
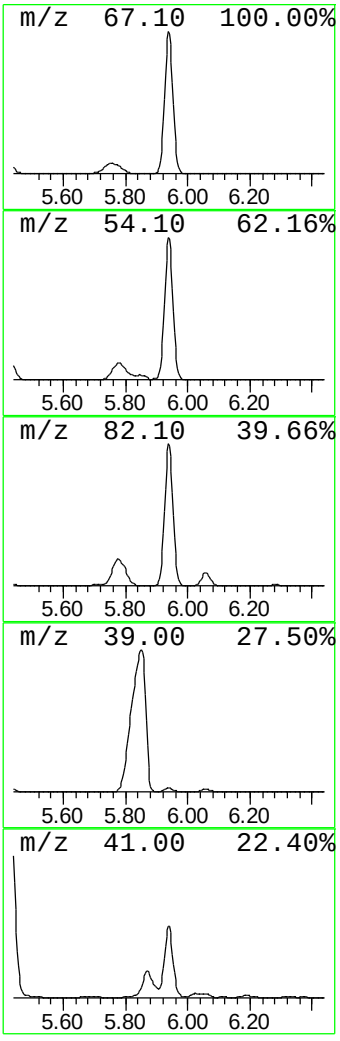
Peak Number 26 Cyclobutane, ethenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	118.90 ug/L	4366620	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	90
2	Cyclohexene	82	C6H10	000110-83-8	90
3	Cyclohexene	82	C6H10	000110-83-8	90
4	Ethylidenecyclobutane	82	C6H10	001528-21-8	87
5	Cyclohexene	82	C6H10	000110-83-8	86





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

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Quant Title : VOC Analysis

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

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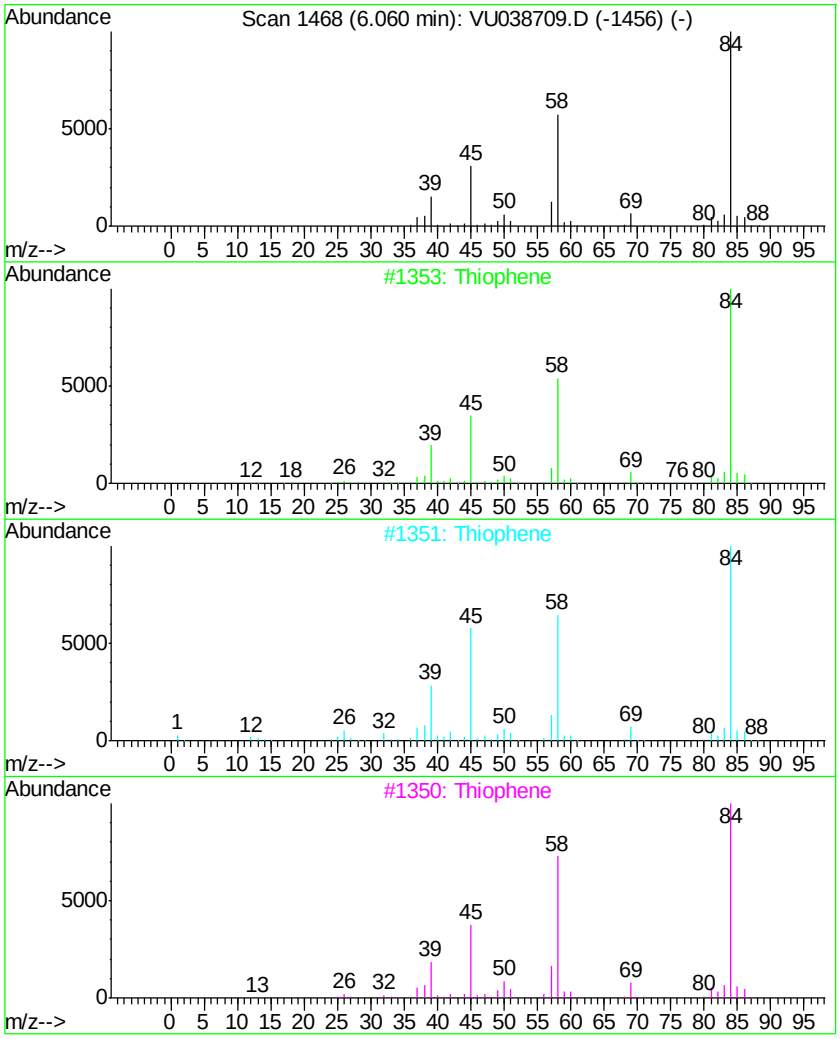
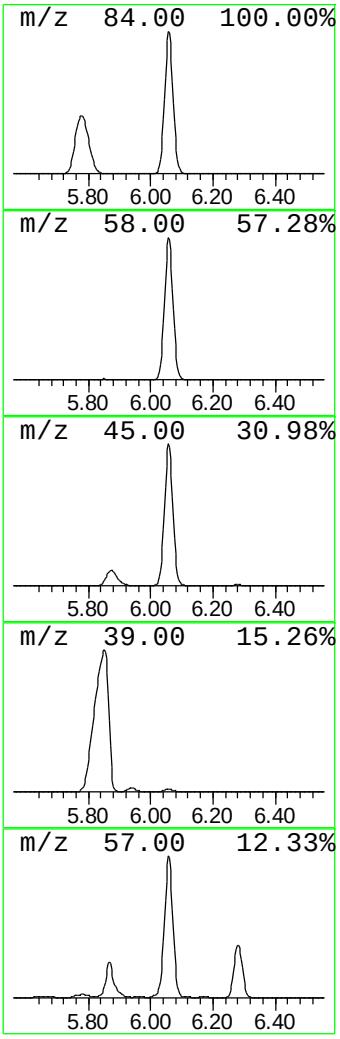
Peak Number 27 Thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	121.82 ug/L	4473880	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	97
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	91
5	Pyridine-D5-	84	C5D5N	007291-22-7	38





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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

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Quant Title : VOC Analysis

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

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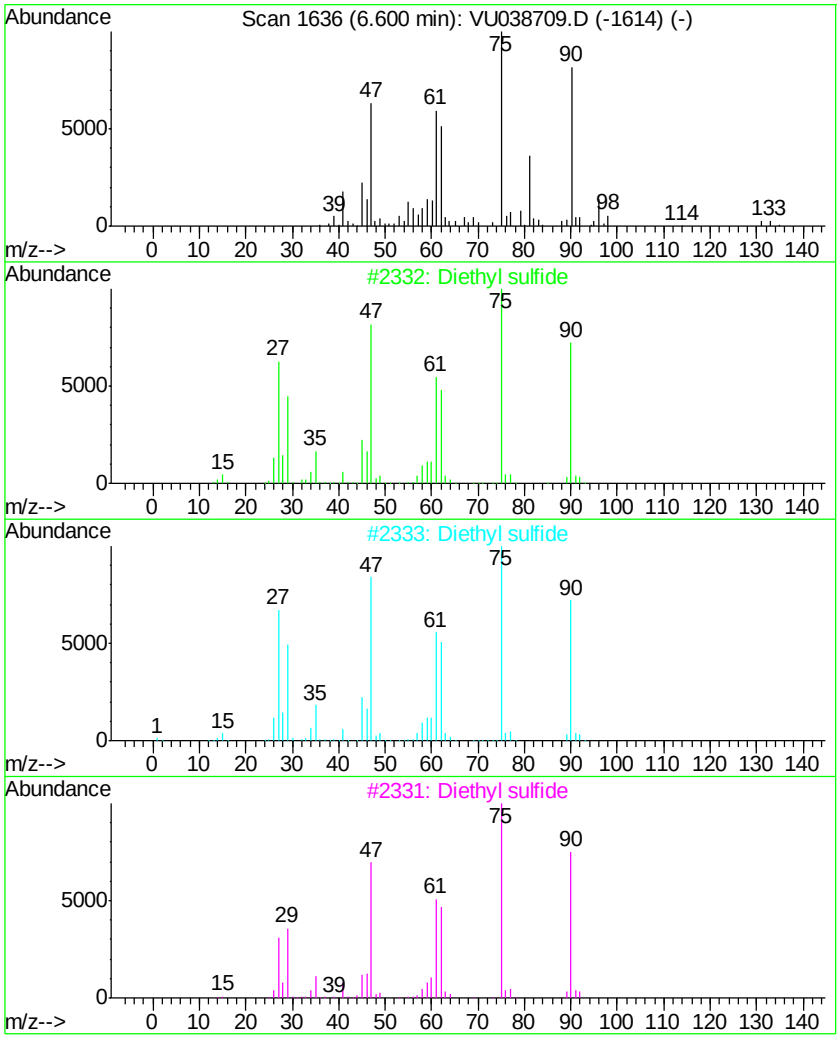
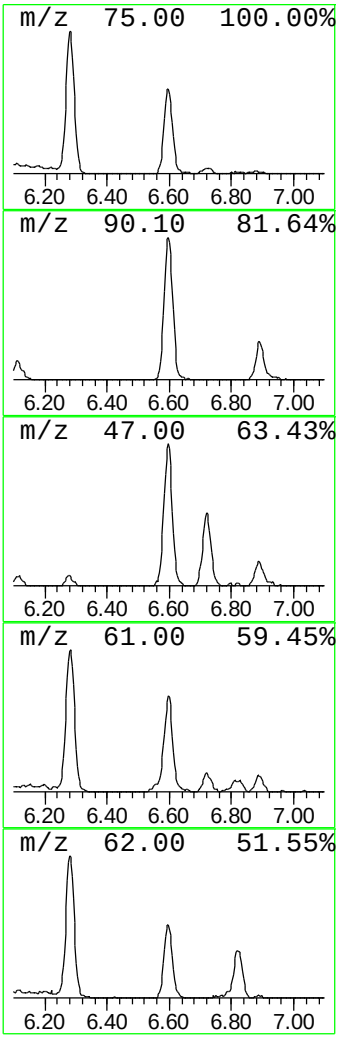
Peak Number 28 Diethyl sulfide Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	5.43 ug/L	199481	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl sulfide	90	C4H10S	000352-93-2	96
2	Diethyl sulfide	90	C4H10S	000352-93-2	96
3	Diethyl sulfide	90	C4H10S	000352-93-2	95
4	Diethyl sulfide	90	C4H10S	000352-93-2	94
5	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	38





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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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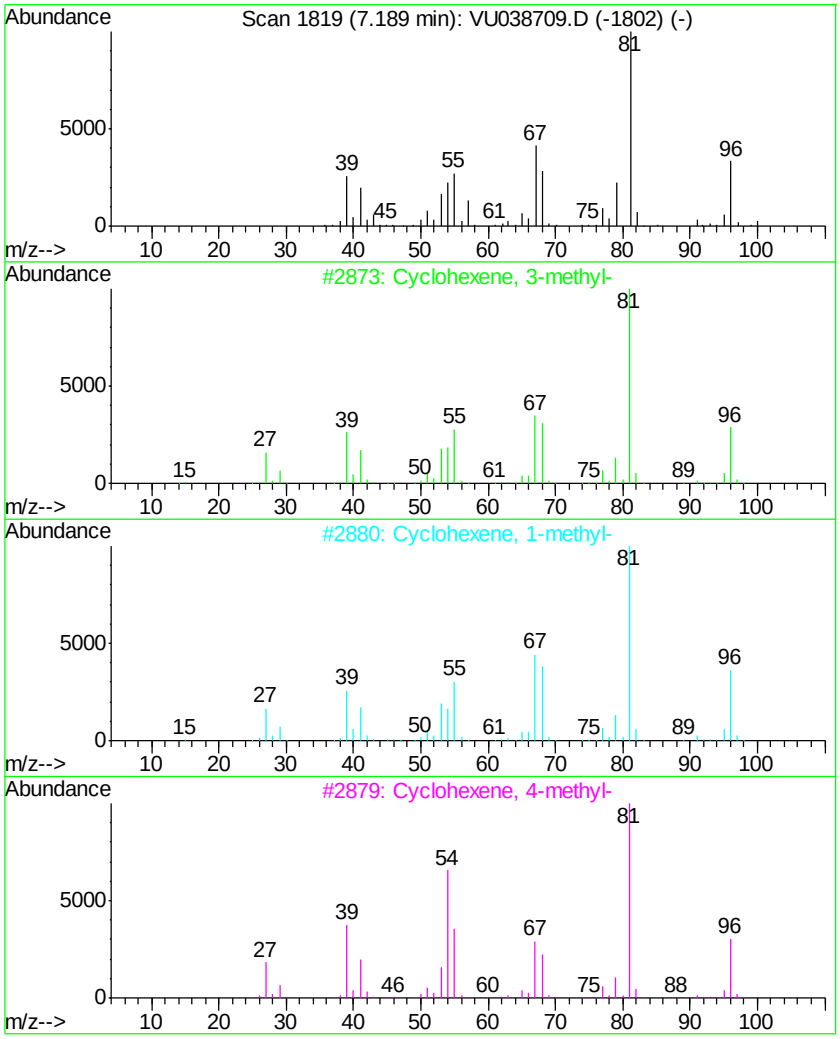
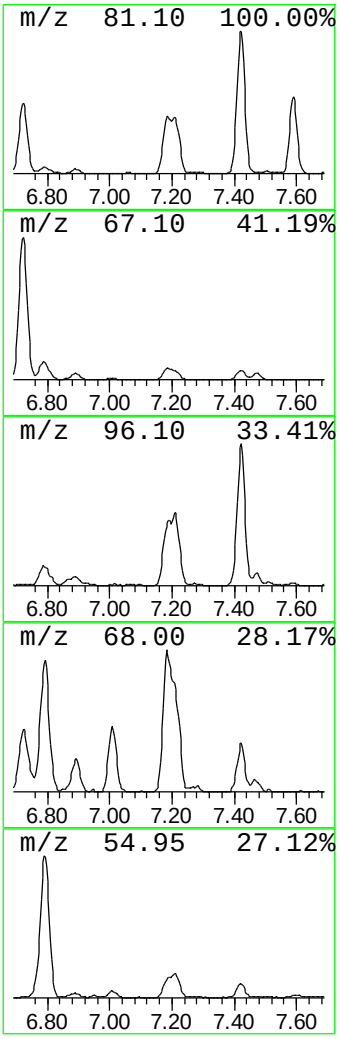
Peak Number 29 Cyclohexene, 3-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	6.81 ug/L	250245	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	93
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	81
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	72
5	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	64





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Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

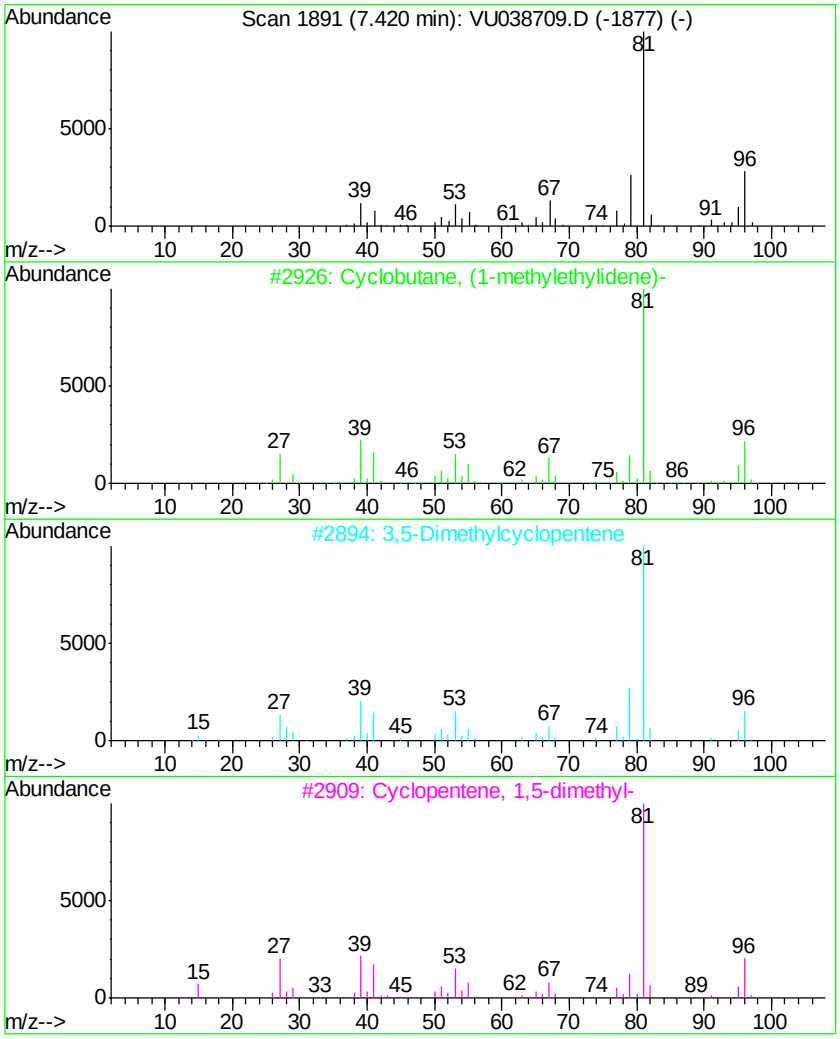
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

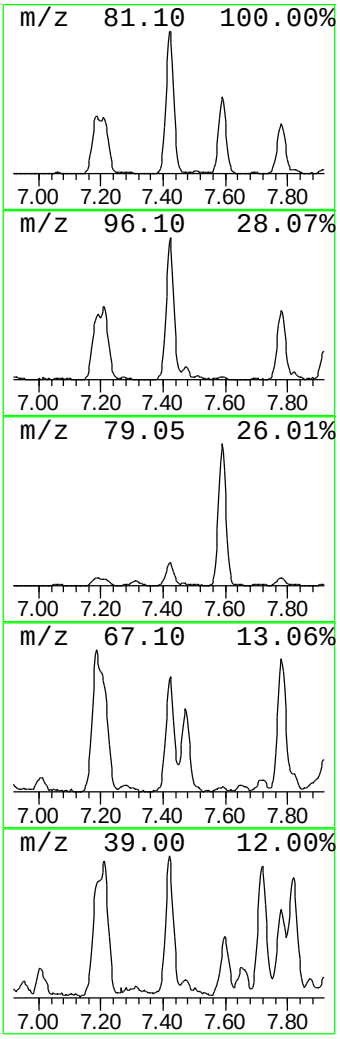
****

Peak Number 30 Cyclobutane, (1-methylethyl... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	10.80 ug/L	396482	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	81
2	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
3	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	78
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

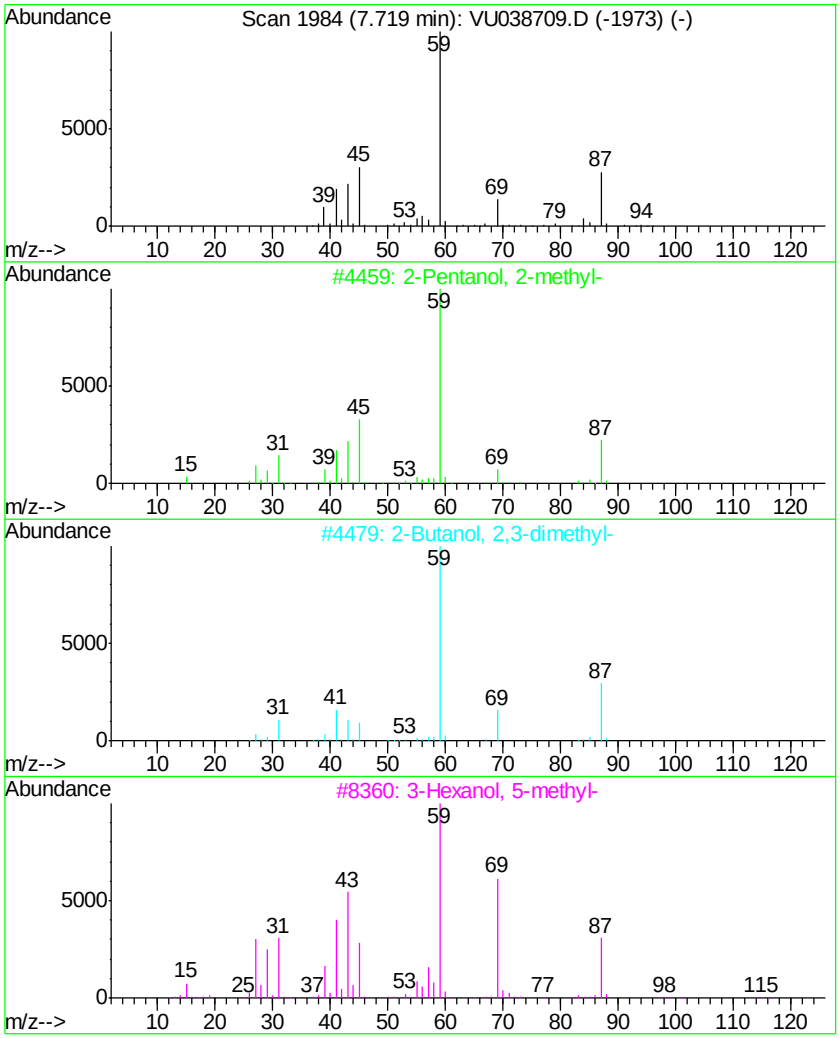
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

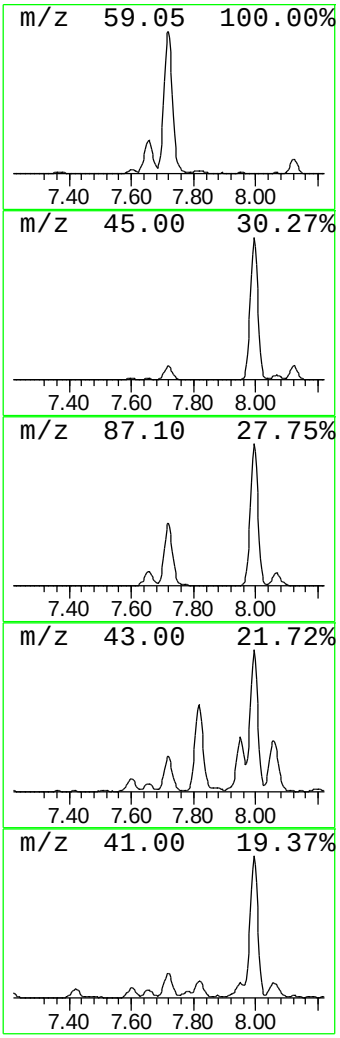
****

Peak Number 32 2-Pentanol, 2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	12.59 ug/L	462348	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	78
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64
3	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	56
4	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	56
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	50





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

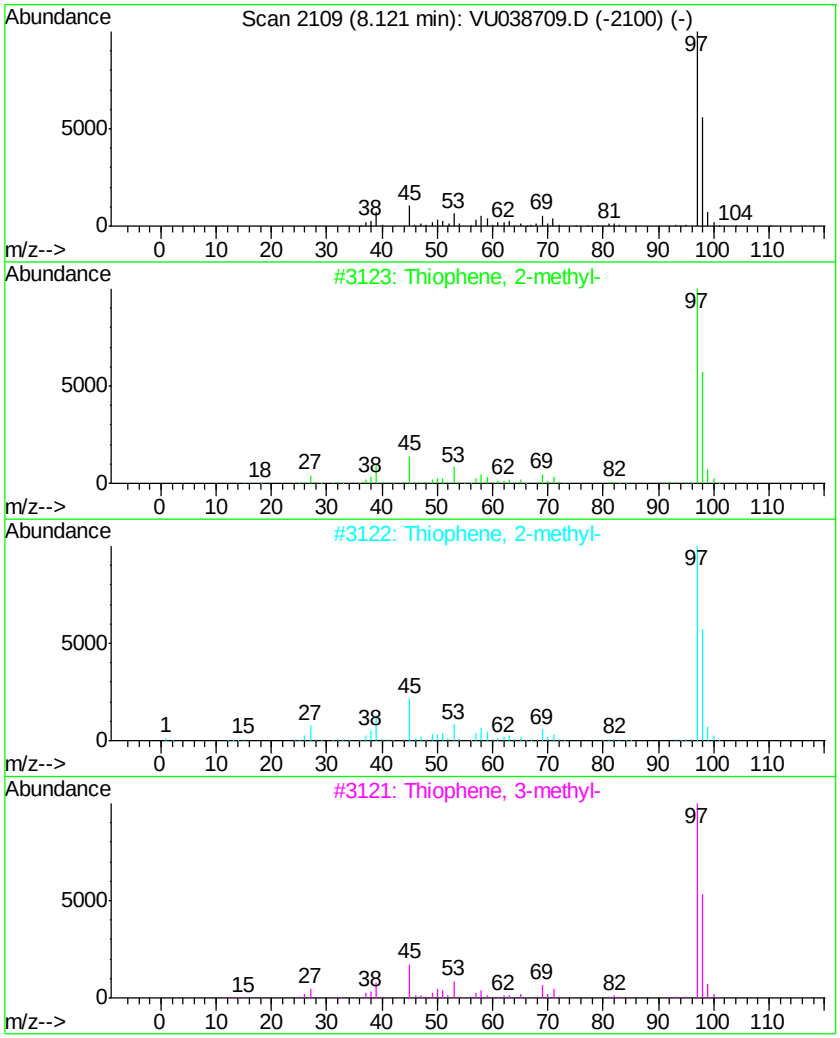
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

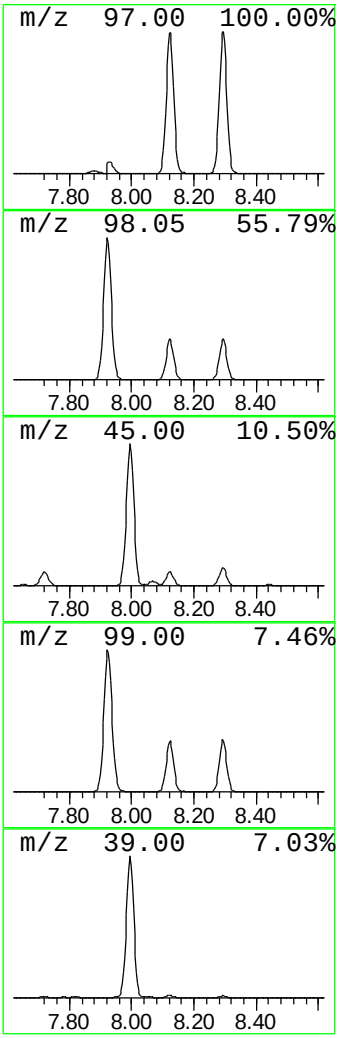
****

Peak Number 33 Thiophene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	24.45 ug/L	1087700	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	95
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

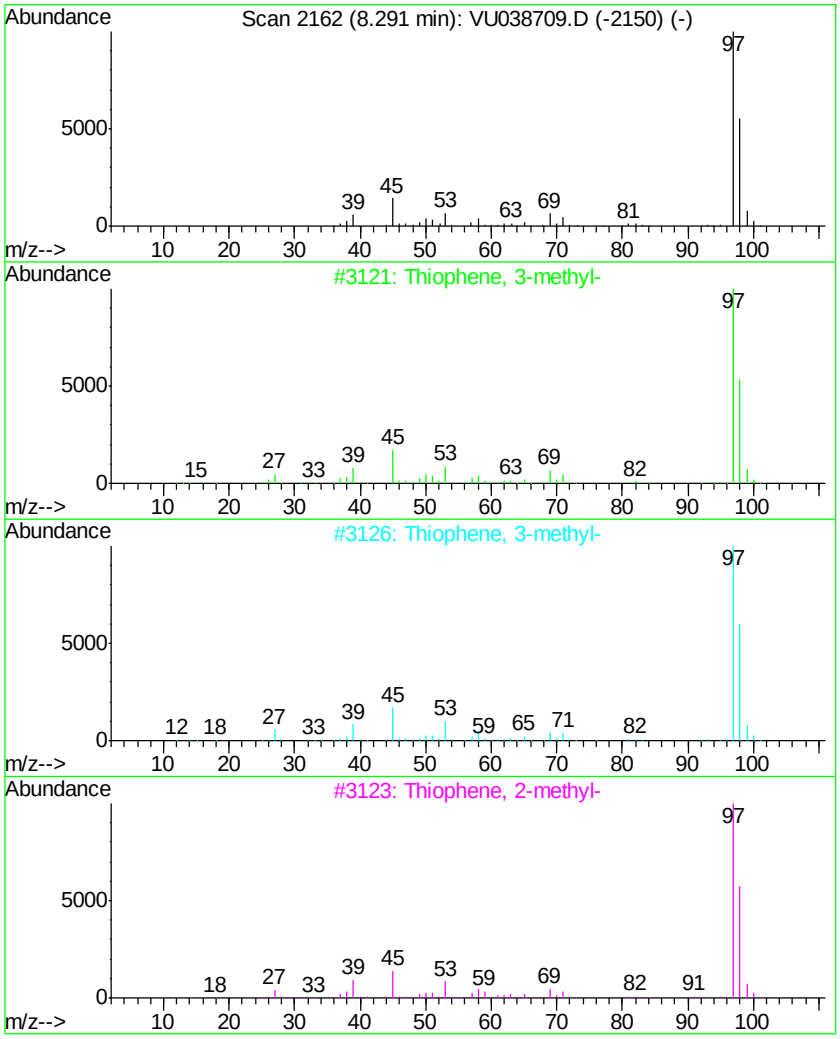
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

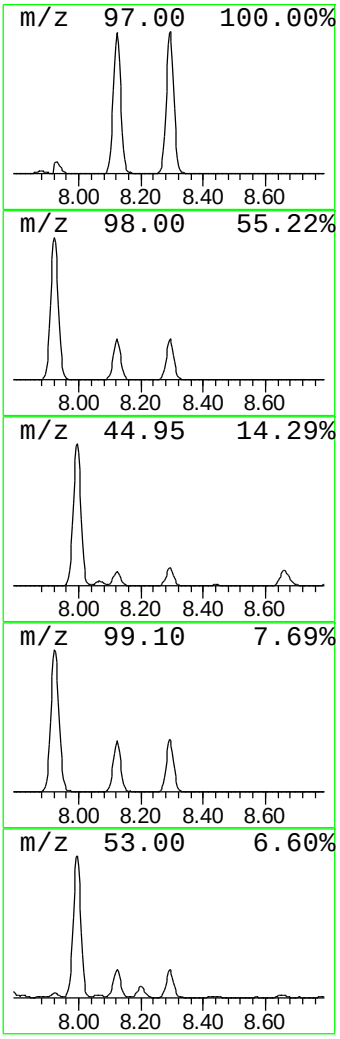
****

Peak Number 34 Thiophene, 3-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	25.01 ug/L	1112510	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	95
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	93
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91





Library Search Compound Report

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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

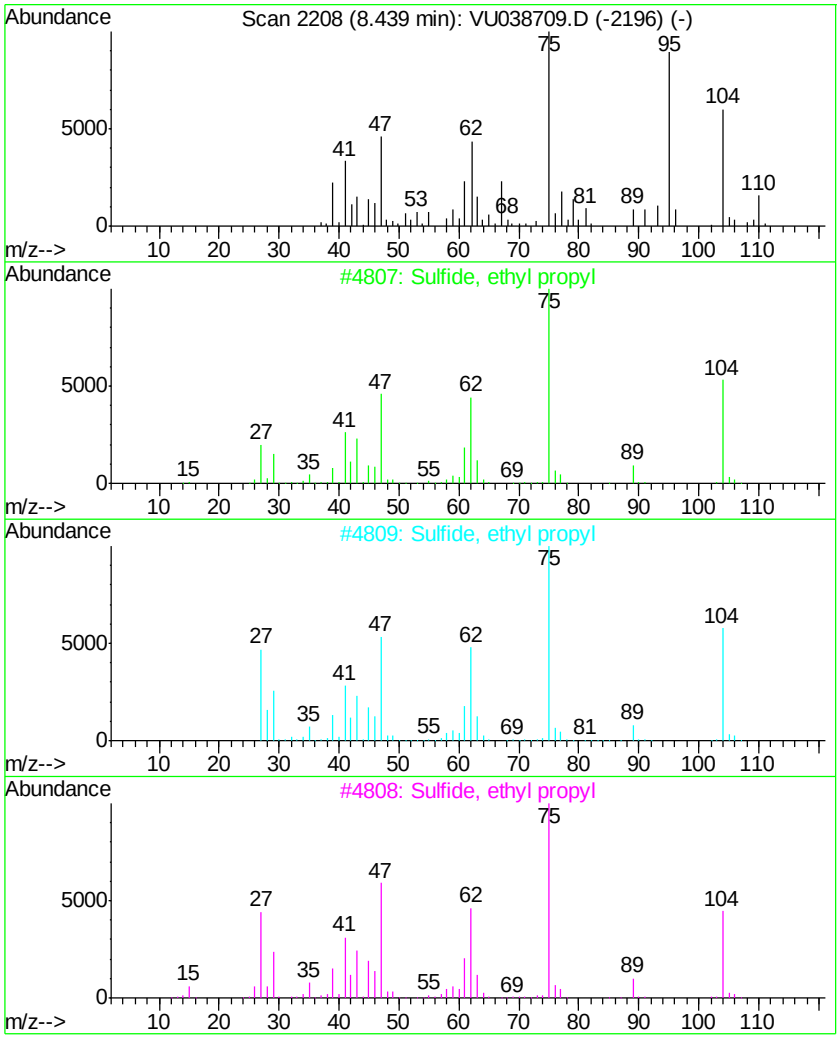
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

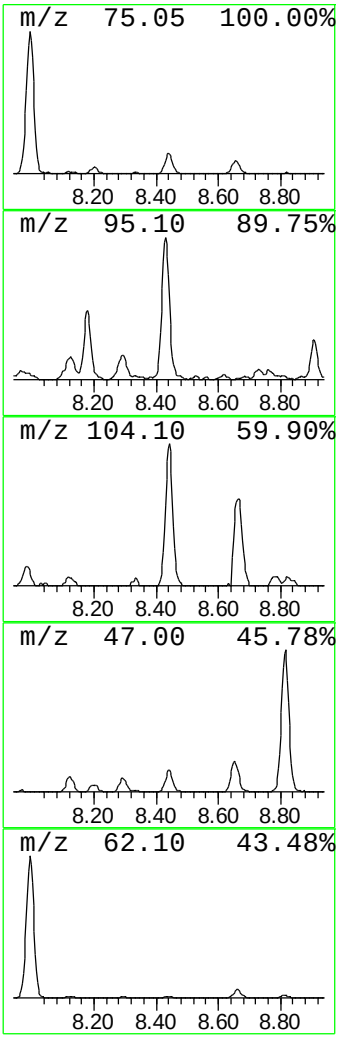
****

Peak Number 35 Sulfide, ethyl propyl Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	3.42 ug/L	152179	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	95
2	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	92
3	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	76
4	Ethanethiol	62	C2H6S	000075-08-1	35
5	Ethanethiol	62	C2H6S	000075-08-1	35





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

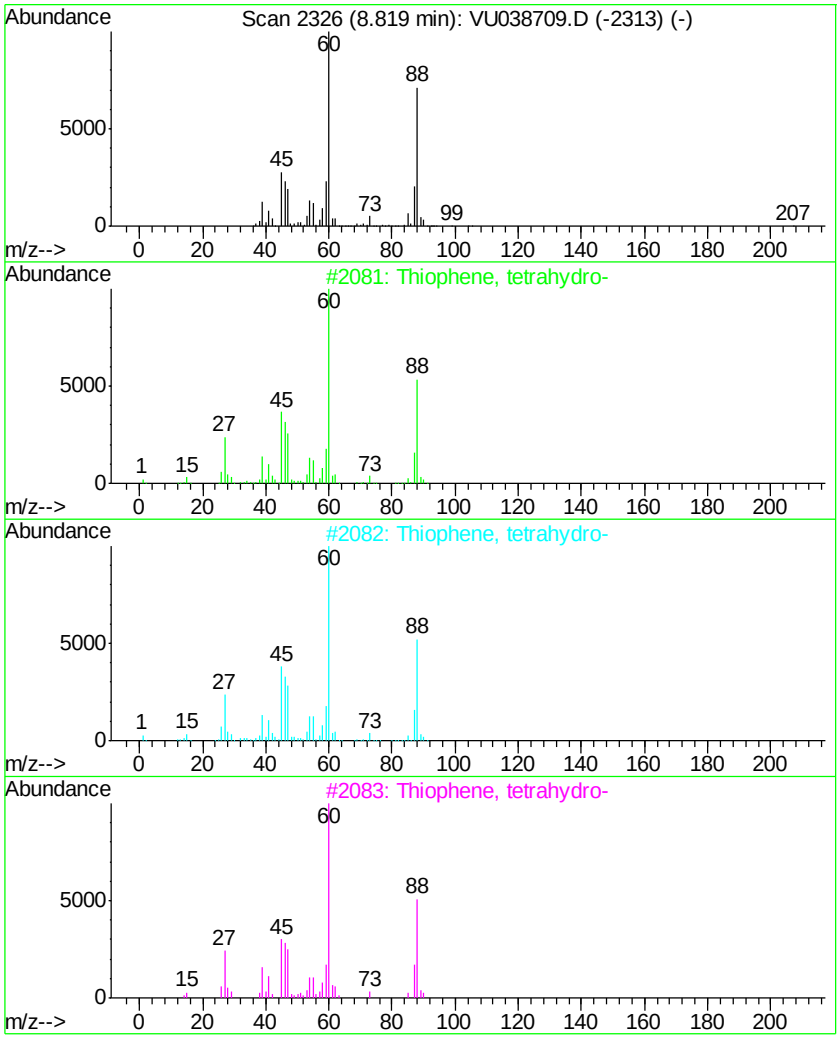
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

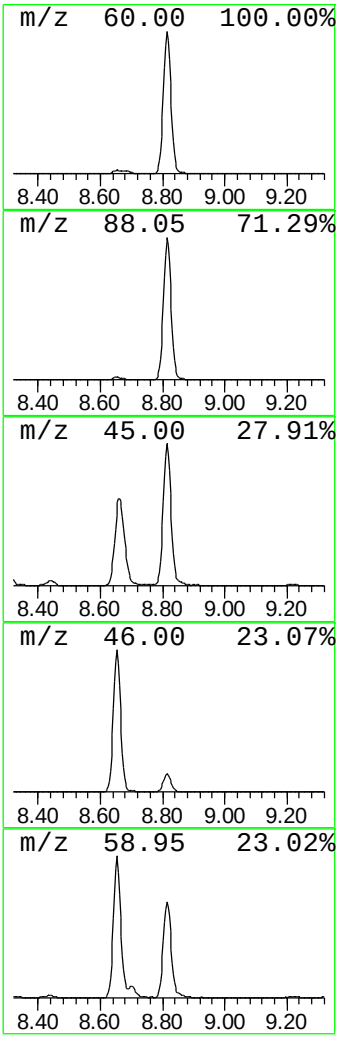
****

Peak Number 36 Thiophene, tetrahydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	28.09 ug/L	1249430	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	97
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	96
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	94
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	38





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

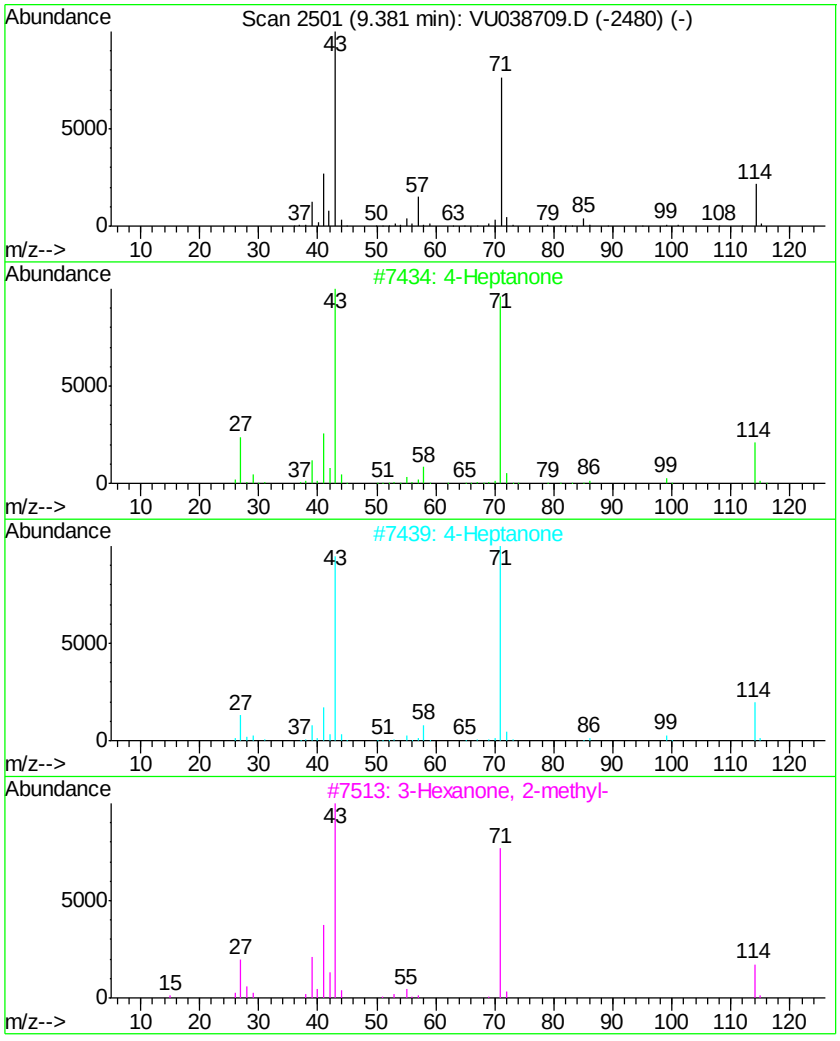
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

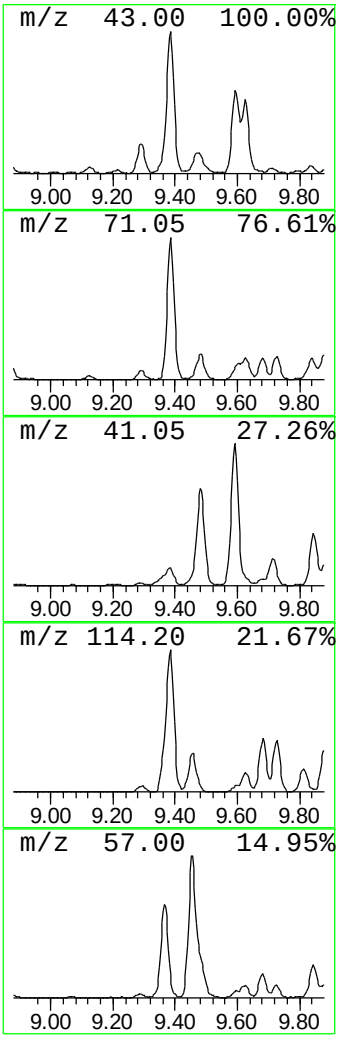
****

Peak Number 37 4-Heptanone Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	13.42 ug/L	597142	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	86
2	4-Heptanone	114	C7H14O	000123-19-3	78
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
5	4-Heptanone	114	C7H14O	000123-19-3	72





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

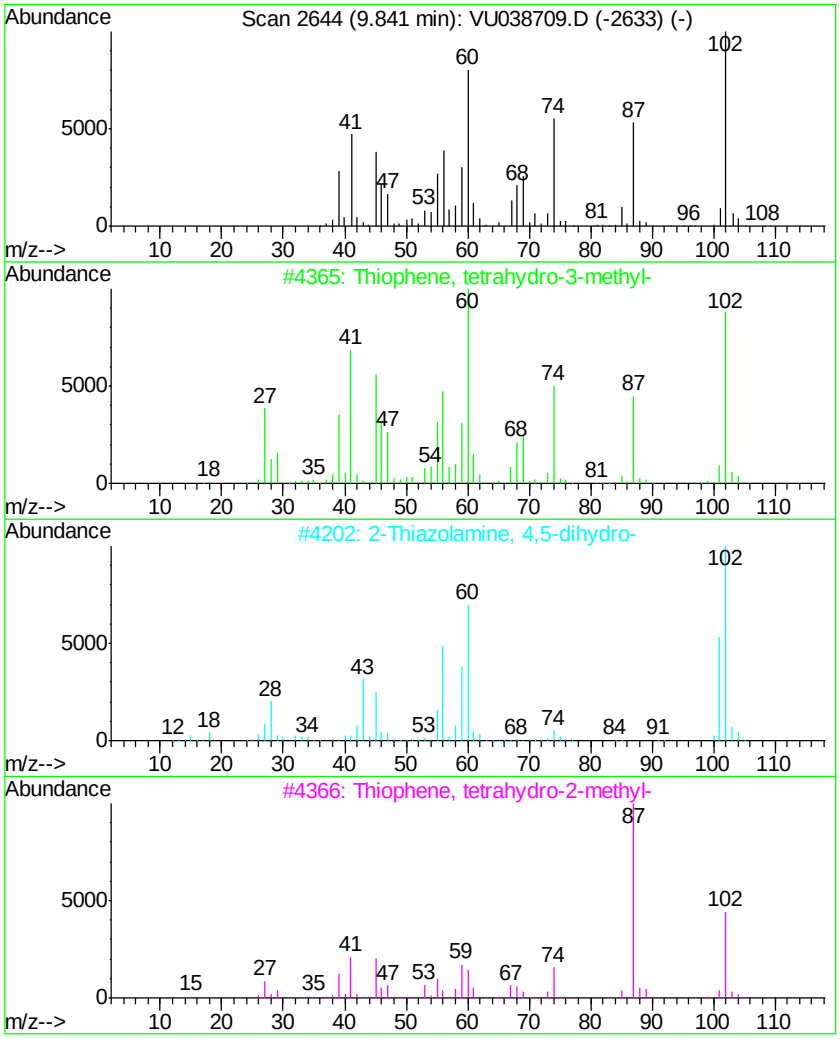
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

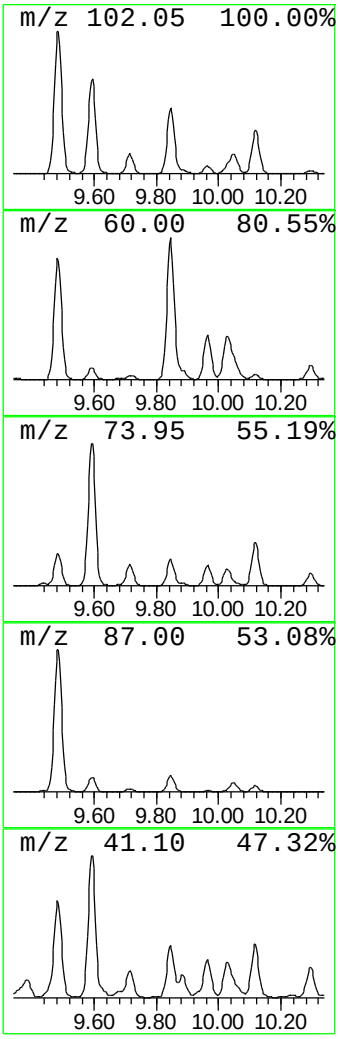
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Thiophene, tetrahydro-3-met... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	37.27 ug/L	1658220	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	97
2	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	46
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38
5	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38





Library Search Compound Report

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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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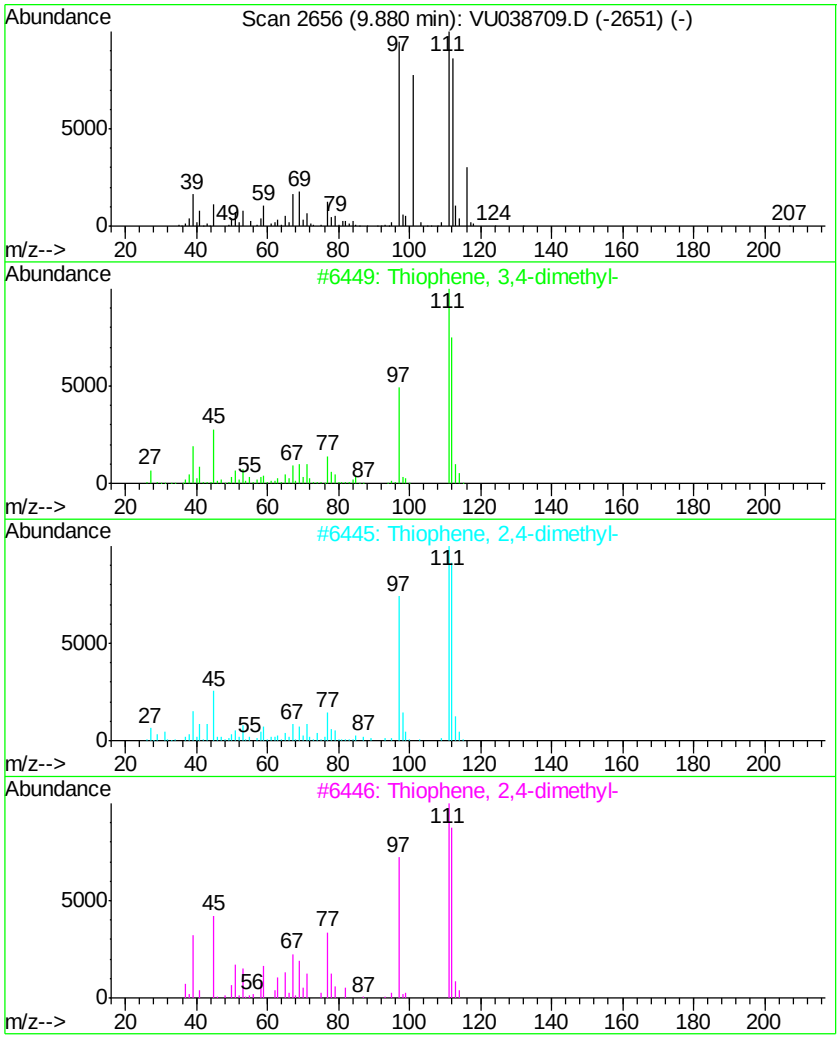
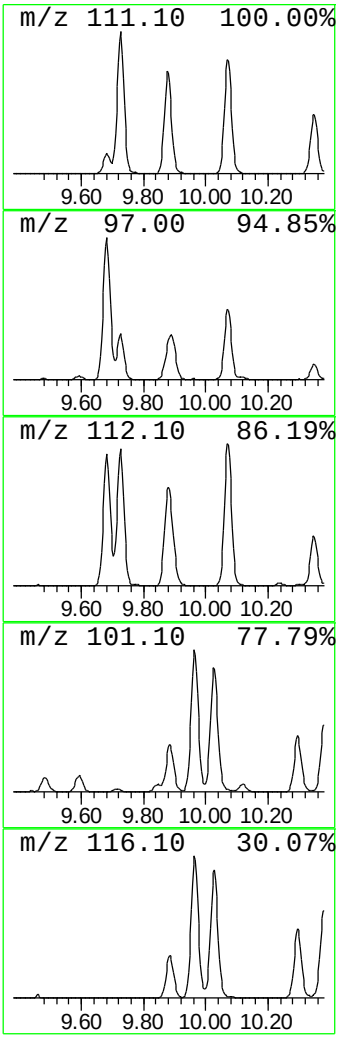
Peak Number 39 Thiophene, 3,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	33.94 ug/L	1510030	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	86
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	70
3	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	62
4	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	62
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	62





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Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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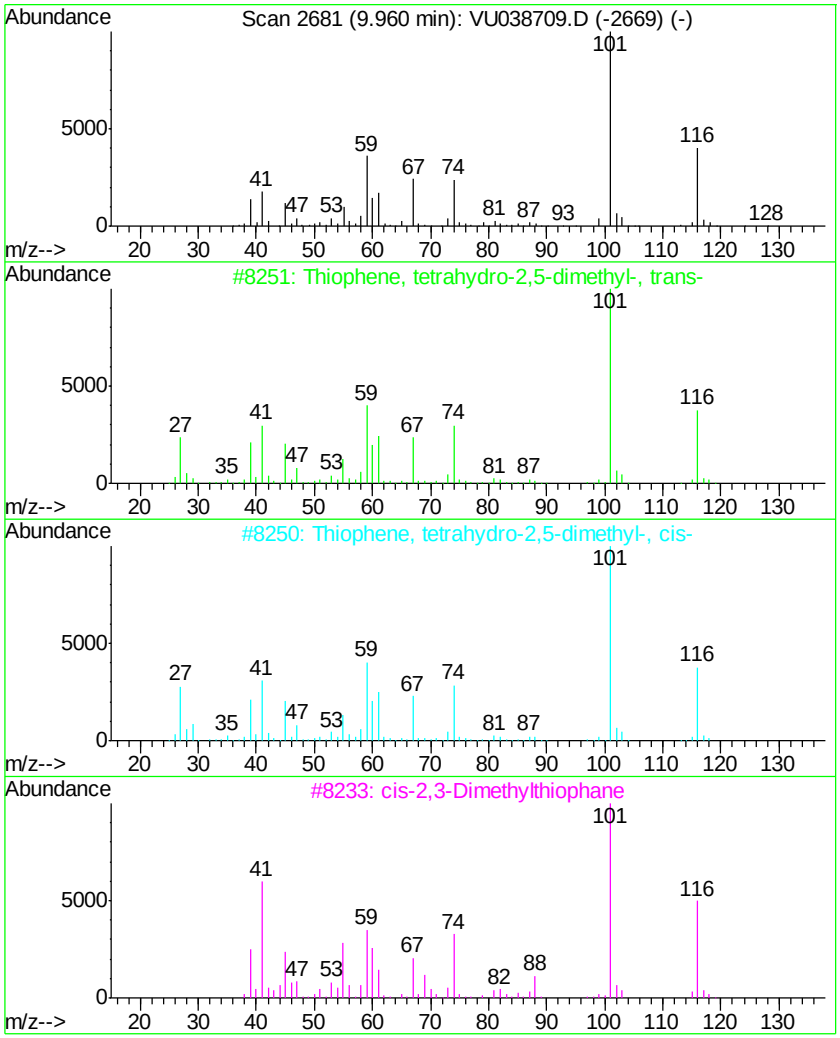
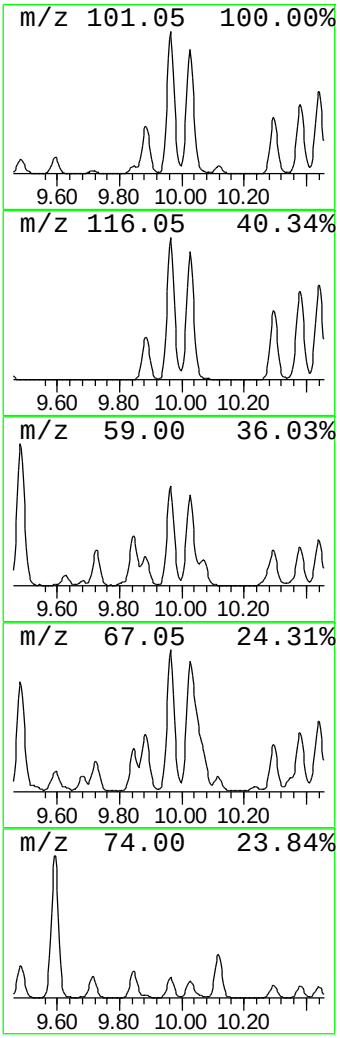
Peak Number 40 Thiophene, tetrahydro-2,5-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	36.35 ug/L	1617150	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	94
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	94
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	90
4	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
5	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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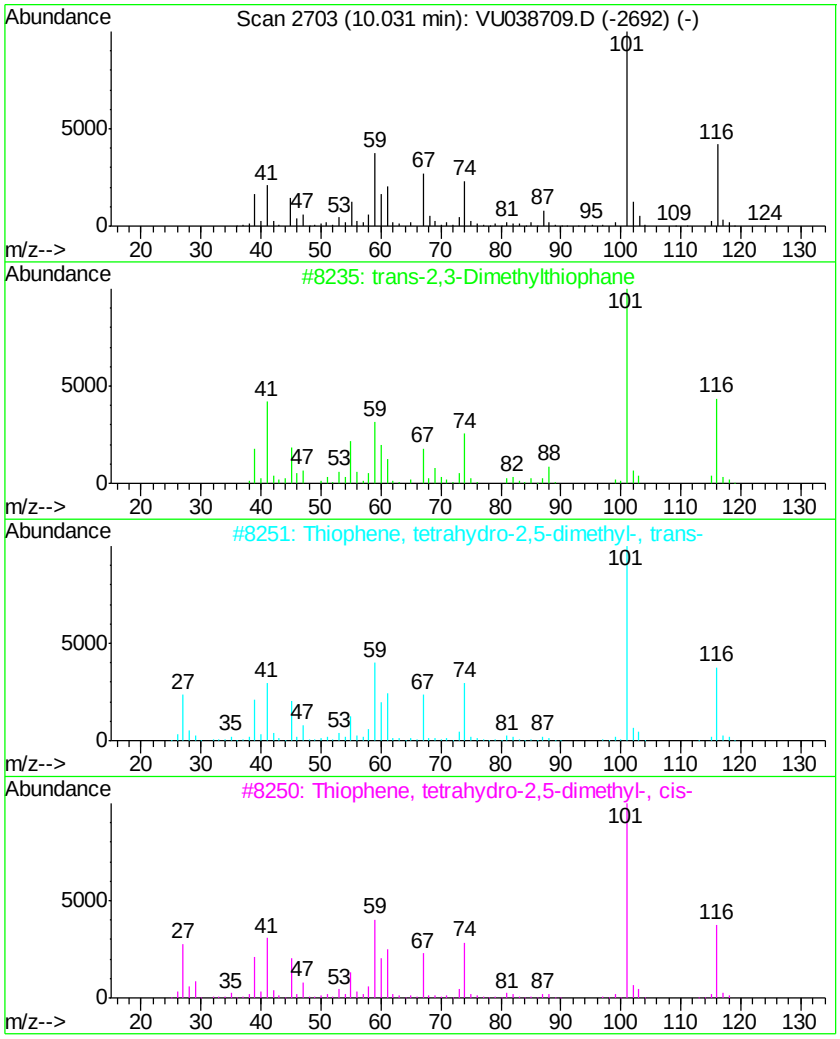
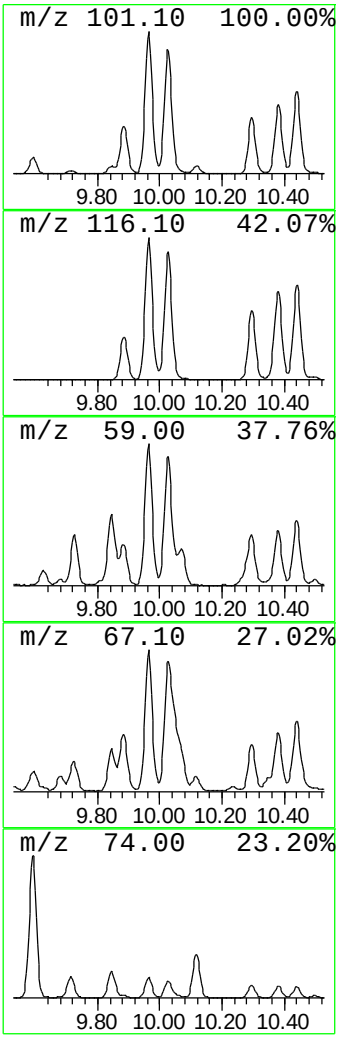
Peak Number 41 trans-2,3-Dimethylthiophane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	37.80 ug/L	1681520	Chlorobenzene-d5	9.44

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	90
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	87
4	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	46
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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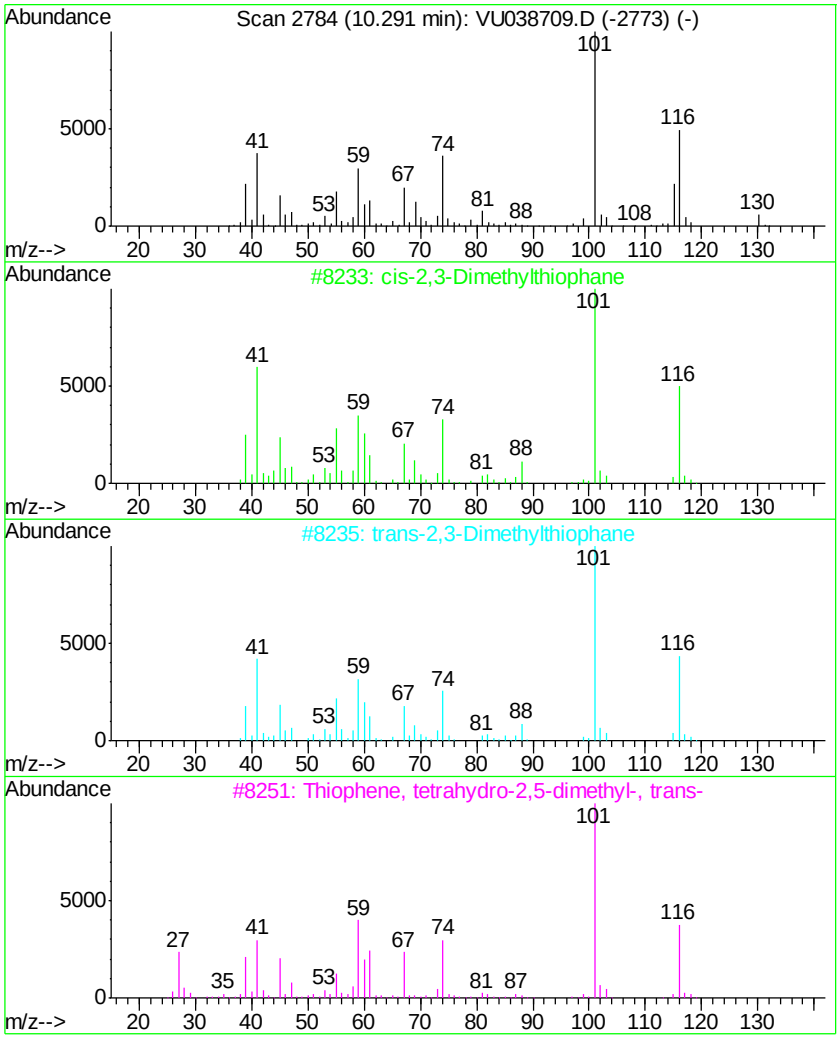
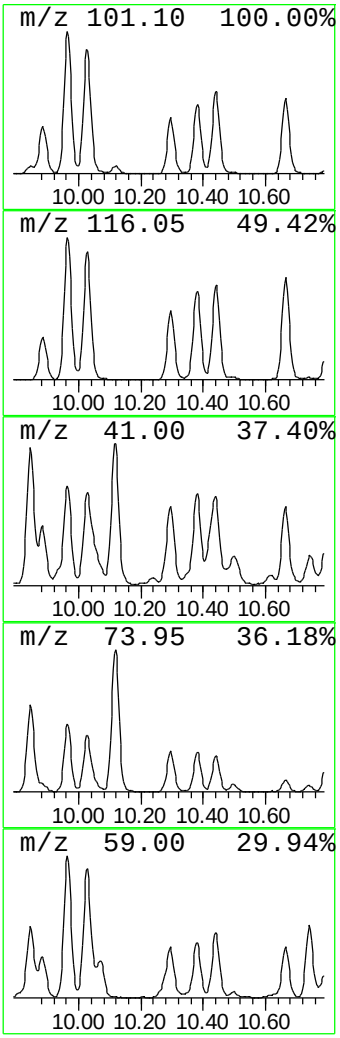
Peak Number 42 cis-2,3-Dimethylthiophane Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	18.97 ug/L	843840	Chlorobenzene-d5	9.44

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	86
4	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	81
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

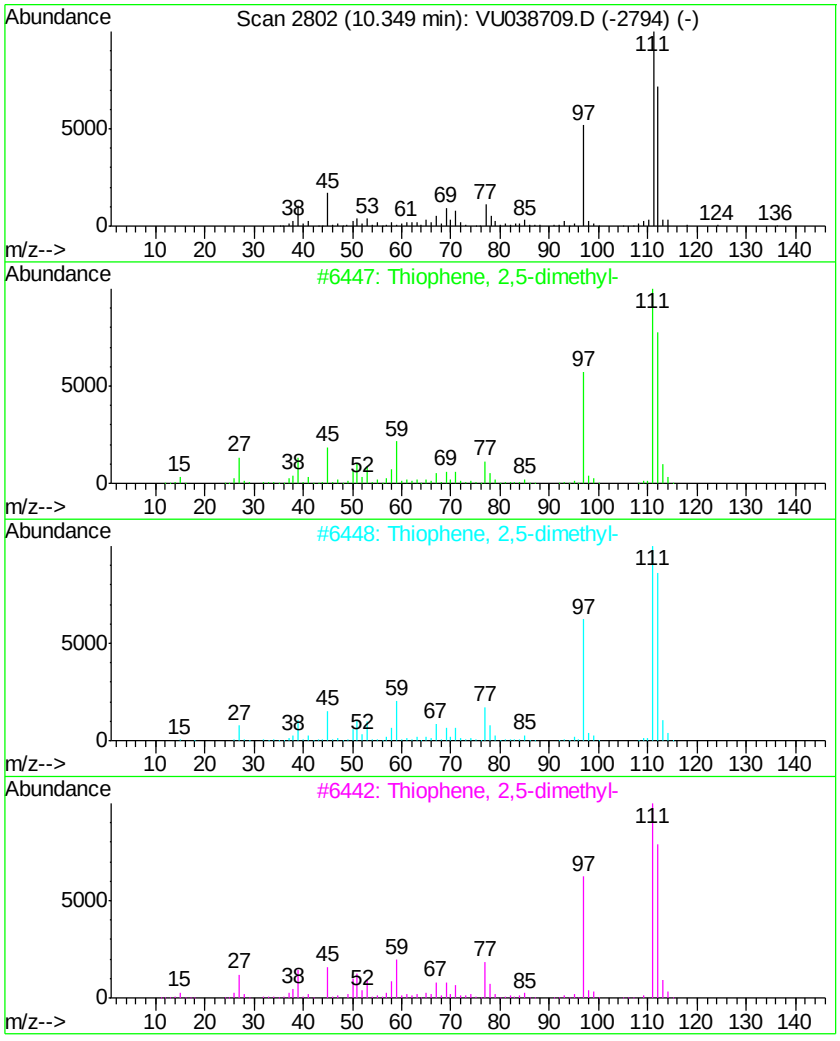
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

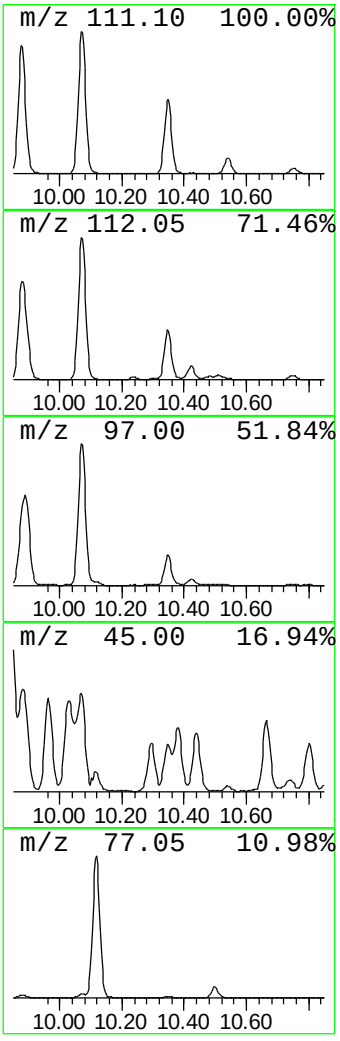
****

Peak Number 43 Thiophene, 2,5-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	10.25 ug/L	456034	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	80
2	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	80
3	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	72
4	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	64
5	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

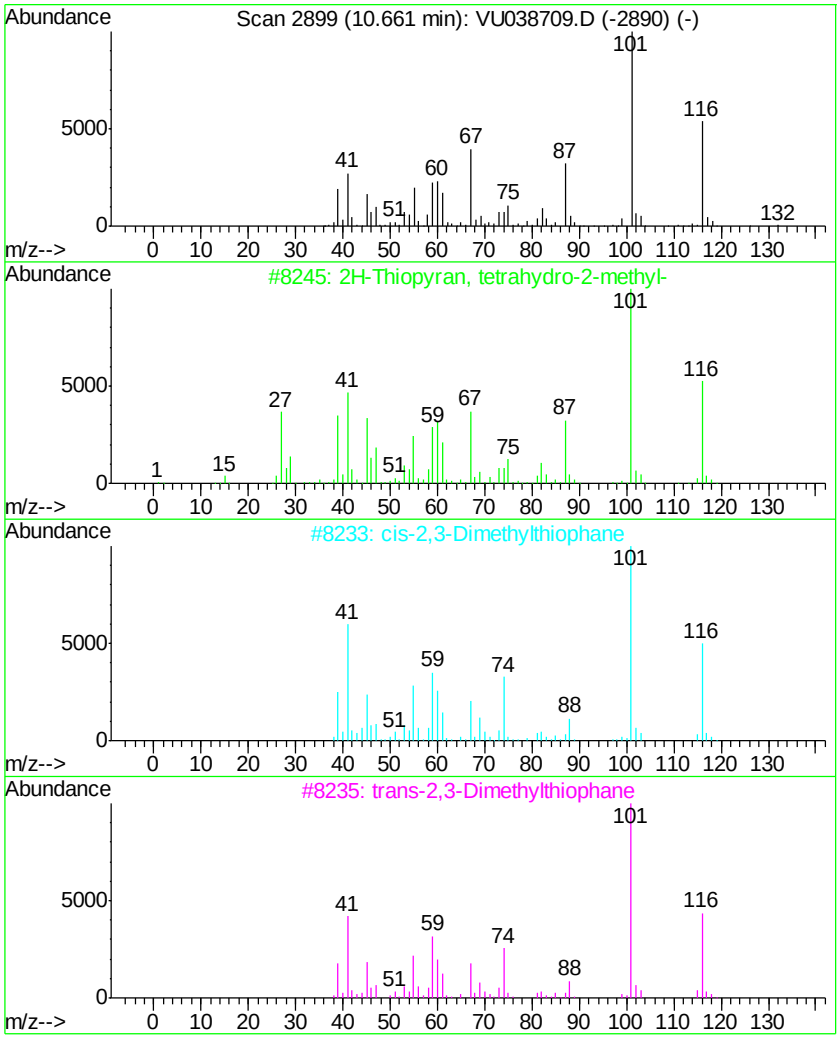
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

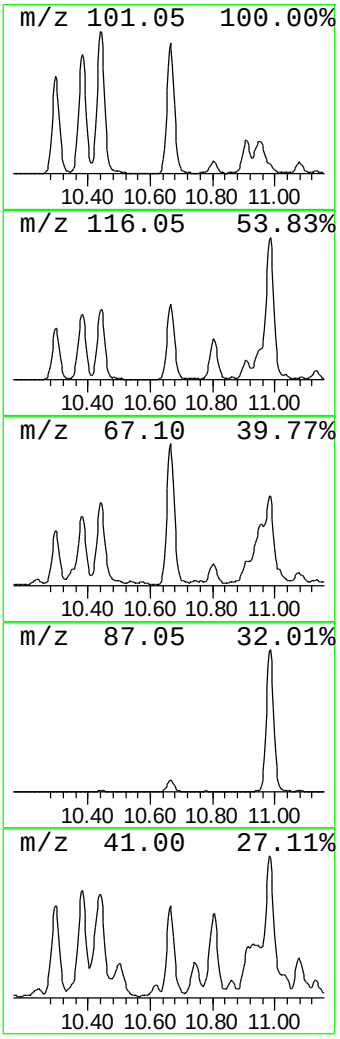
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 2H-Thiopyran, tetrahydro-2-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	18.92 ug/L	1055550	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	95
2	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	81
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	62
4	2-Ethylthiacyclohexane	130	C7H14S	001613-52-1	43
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

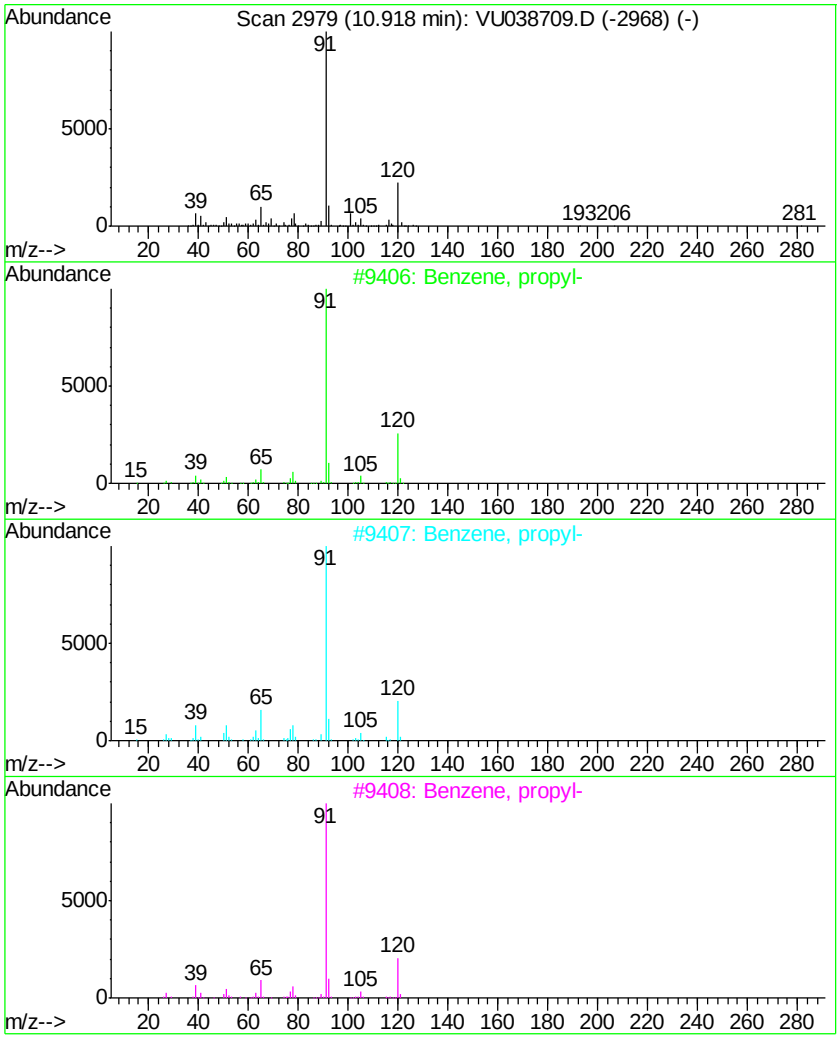
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

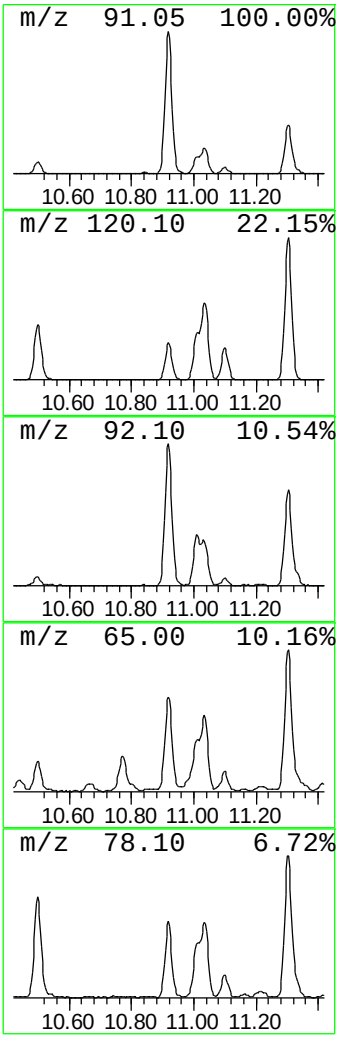
****

Peak Number 47 Benzene, propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	25.65 ug/L	1430920	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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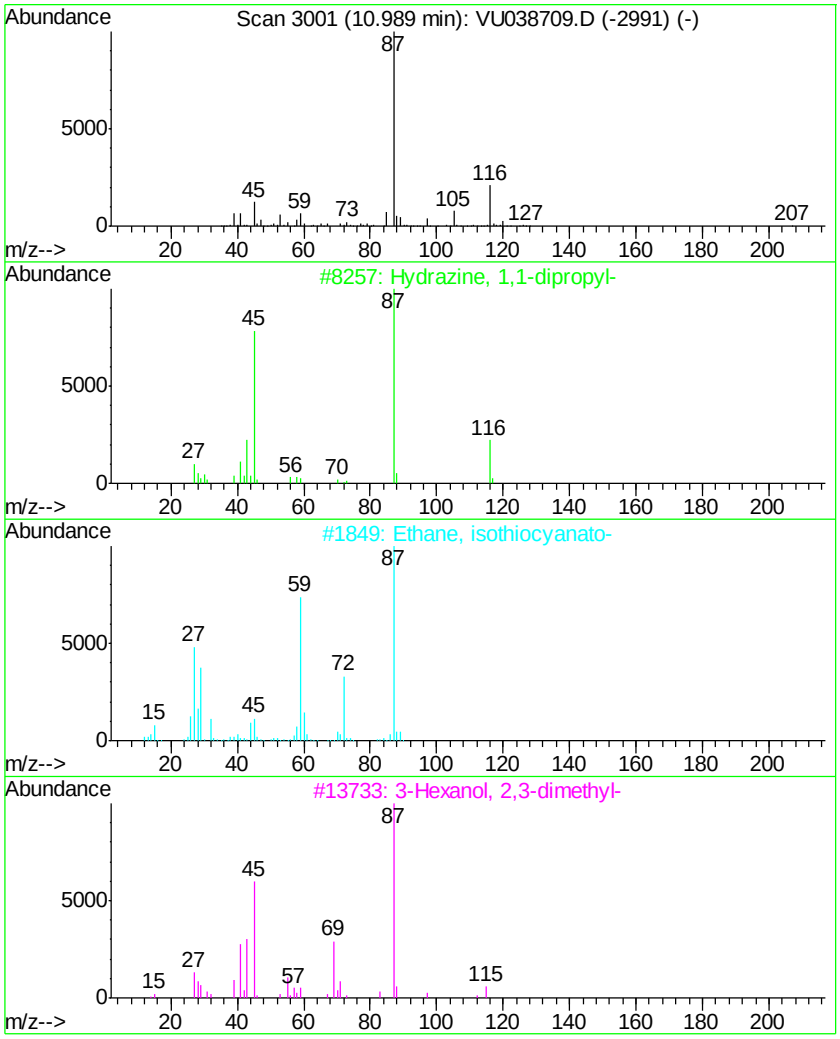
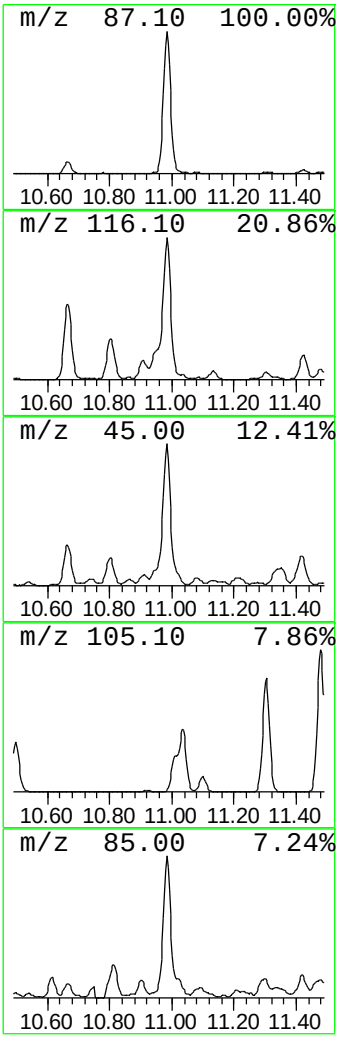
Peak Number 48 Hydrazine, 1,1-dipropyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	28.53 ug/L	1591520	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	72
2	Ethane, isothiocyanato-	87	C3H5NS	000542-85-8	53
3	3-Hexanol, 2,3-dimethyl-	130	C8H18O	004166-46-5	36
4	3-Pentanol, 2,3,4-trimethyl-	130	C8H18O	003054-92-0	33
5	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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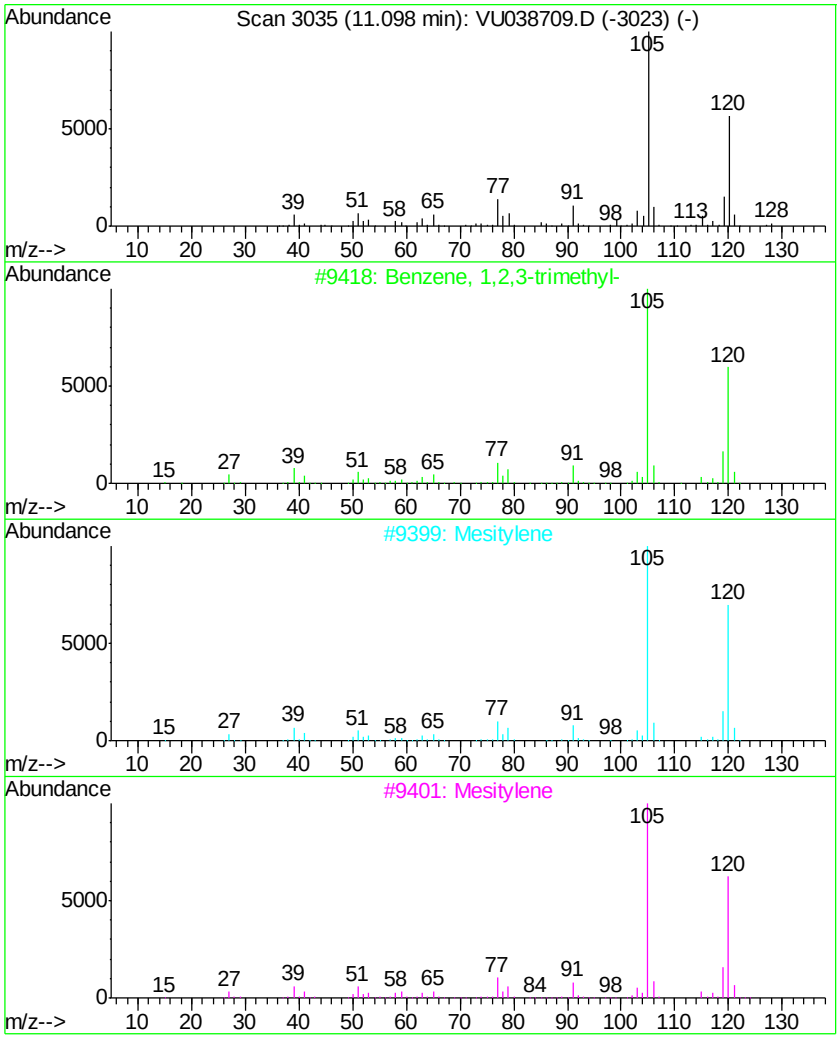
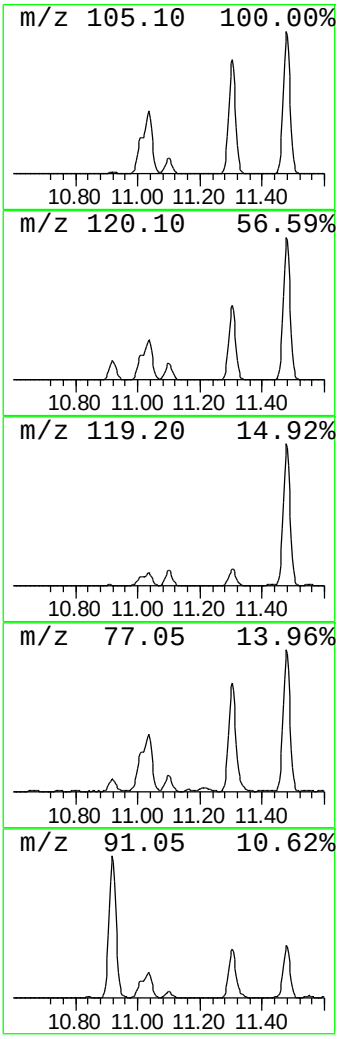
Peak Number 49 Benzene, 1,2,3-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	14.62 ug/L	815376	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

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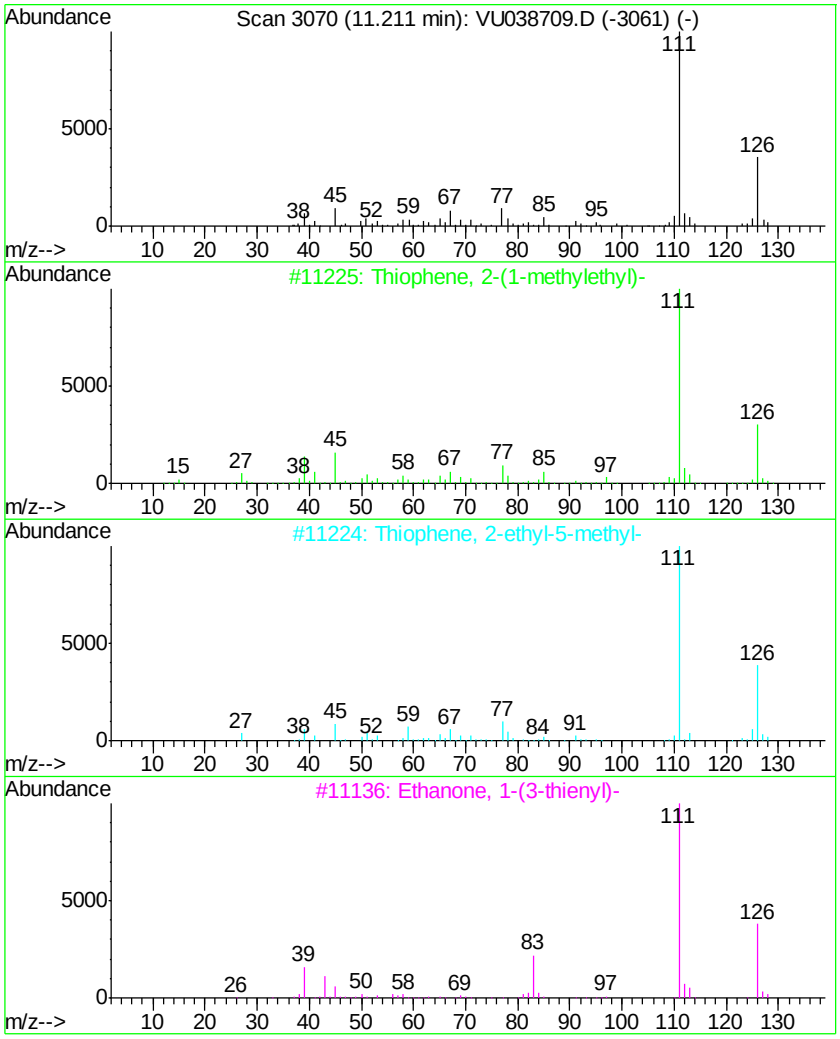
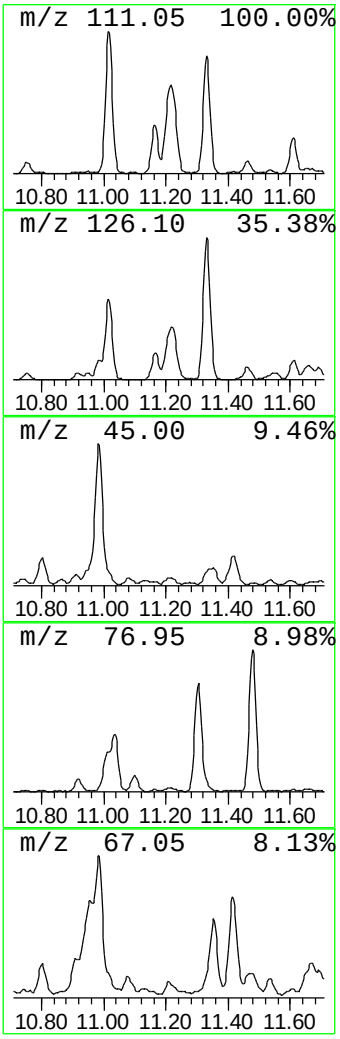
Peak Number 50 Thiophene, 2-(1-methylethyl)- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.66 ug/L	204077	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	87
2	Thiophene, 2-ethyl-5-methyl-	126	C7H10S	040323-88-4	83
3	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	58
4	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	58
5	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

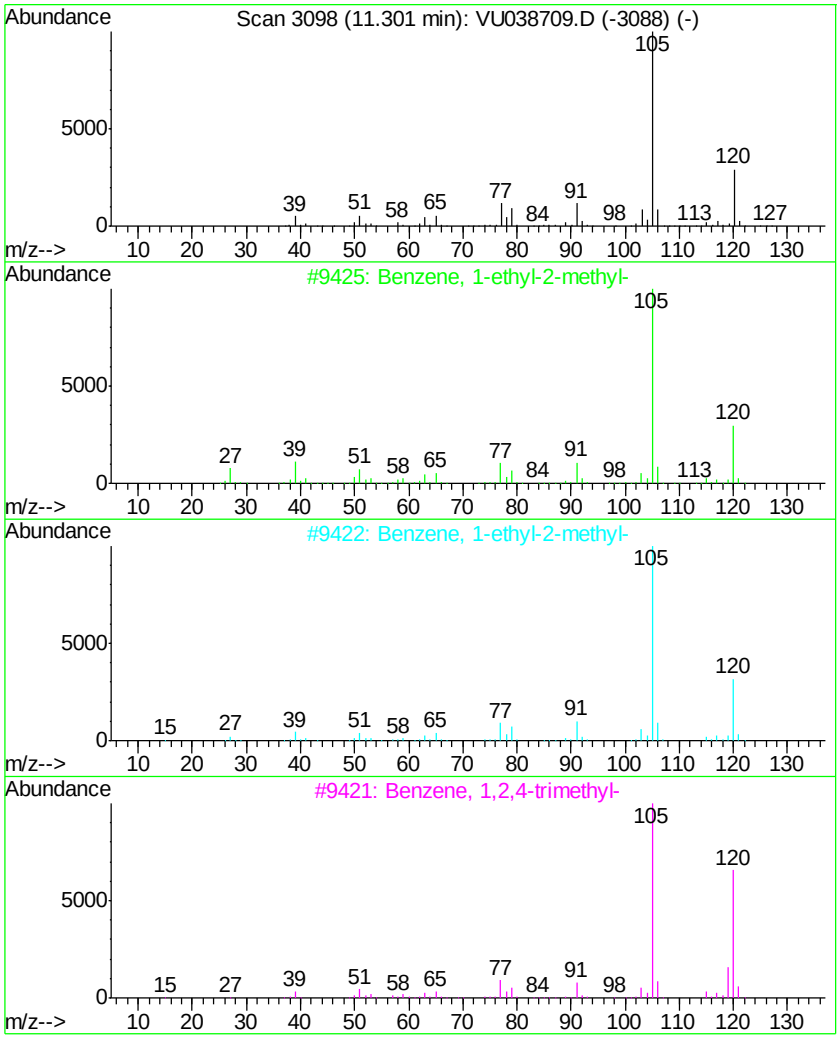
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

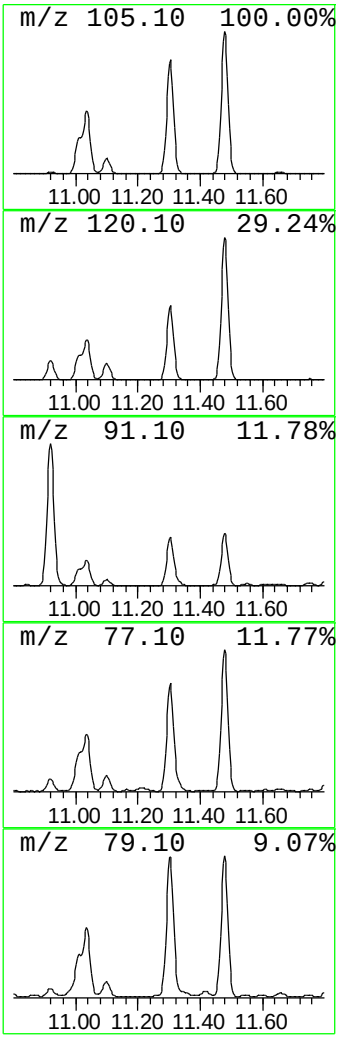
****

Peak Number 51 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	73.43 ug/L	4096080	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

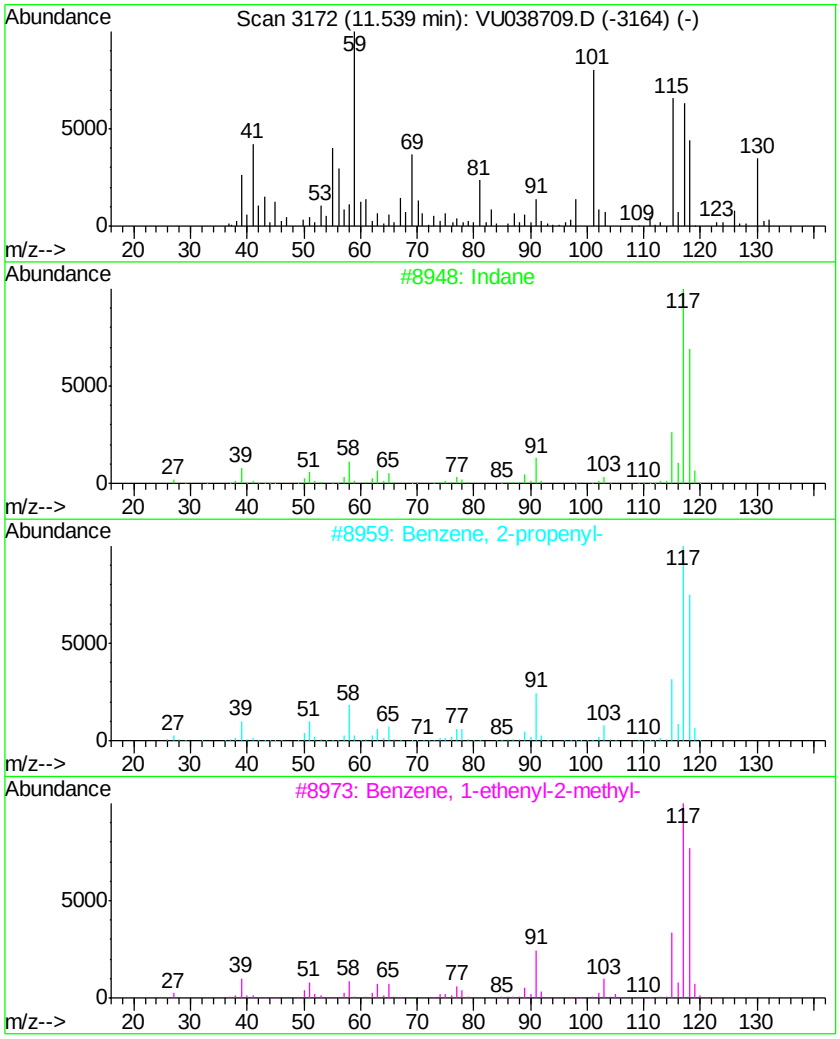
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

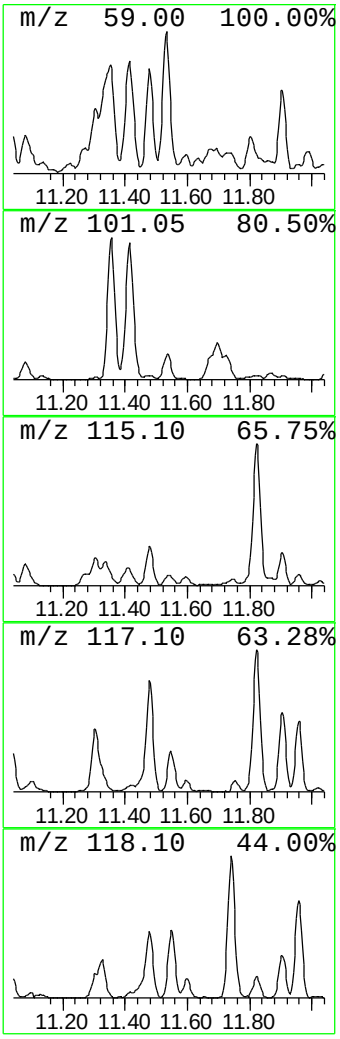
****

Peak Number 54 unknown-01 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	5.33 ug/L	297177	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	25
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	25
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	25
4	Indane	118	C9H10	000496-11-7	25
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	15





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

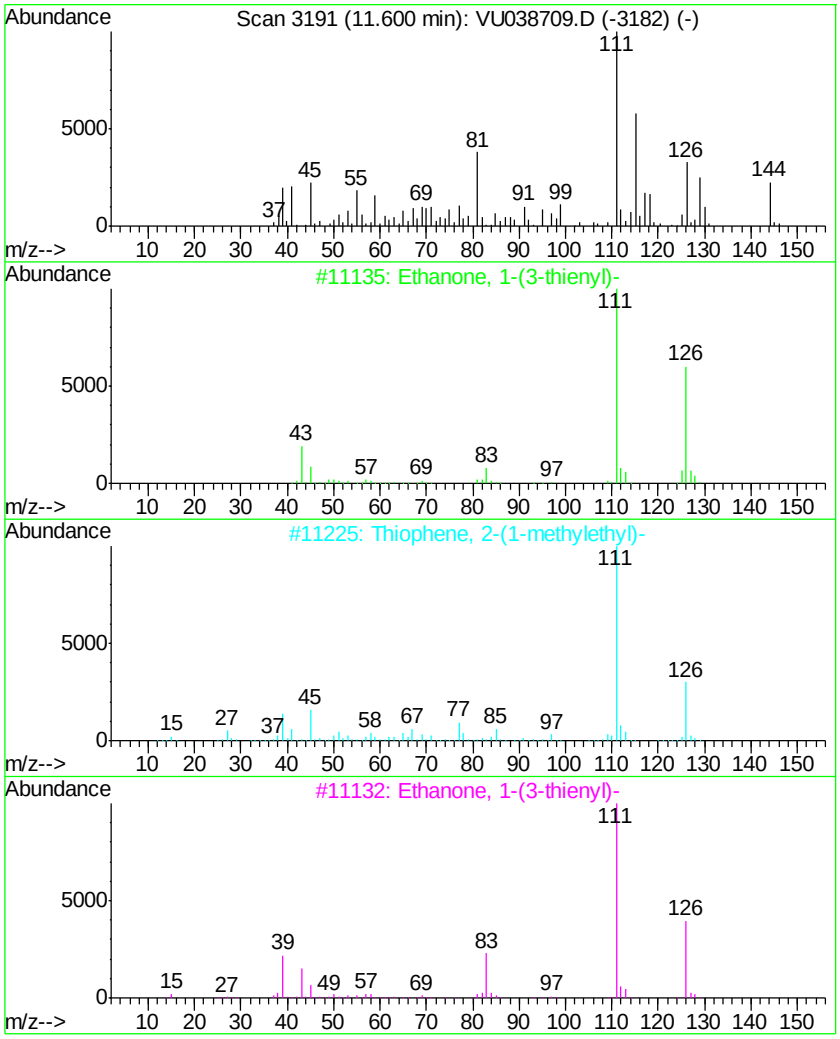
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

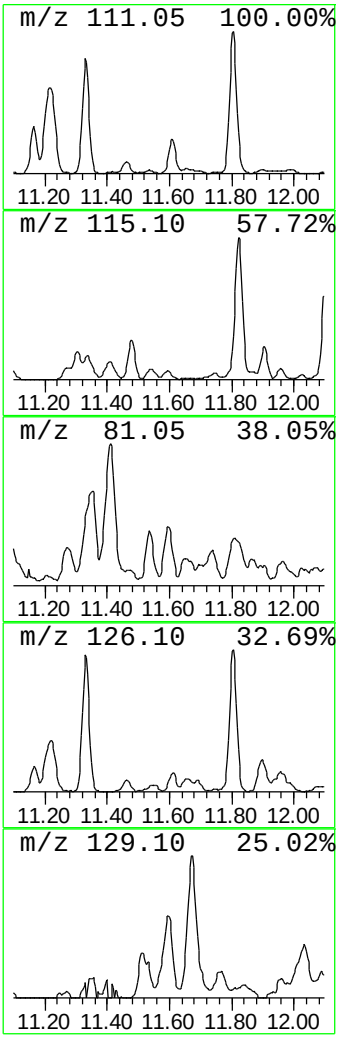
****

Peak Number 55 unknown-02 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	2.54 ug/L	141543	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	38
2	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	38
3	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	35
4	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	35
5	1,1,3-Trimethyl-1-silacyclo-3-pe...	126	C7H14Si	003528-14-1	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038709.D
Acq On : 09 Jun 2020 08:32
Operator : SY/MD
Sample : L2913-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D85

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.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
(DEL) Alkane: Str...	1.37	36.7	ug/L	1348290	1	6.28	1836320	50.0
(DEL) Alkane: Str...	1.50	117.3	ug/L	4309190	1	6.28	1836320	50.0
(DEL) Alkane: Str...	1.67	128.2	ug/L	4709730	1	6.28	1836320	50.0
(DEL) Alkane: Str...	1.75	80.1	ug/L	2941630	1	6.28	1836320	50.0
(DEL) Alkane: Str...	2.01	267.3	ug/L	9818320	1	6.28	1836320	50.0
(DEL) Alkane: Cyc...	2.18	127.8	ug/L	4695530	1	6.28	1836320	50.0
(DEL) Alkane: Str...	2.22	221.3	ug/L	8126360	1	6.28	1836320	50.0
(DEL) Alkane: Str...	2.34	144.7	ug/L	5315230	1	6.28	1836320	50.0
(DEL) Alkane: Str...	2.44	84.6	ug/L	3107980	1	6.28	1836320	50.0
(DEL) Alkane: Cyc...	2.49	65.4	ug/L	2402810	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.00	14.2	ug/L	520579	1	6.28	1836320	50.0
Cyclopropane, met...	3.05	163.0	ug/L	5986740	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.11	5.6	ug/L	206256	1	6.28	1836320	50.0
(DEL) Alkane: Cyc...	3.17	296.5	ug/L	10888000	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.39	16.8	ug/L	615561	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.63	17.6	ug/L	645585	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.74	10.7	ug/L	393584	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.87	7.5	ug/L	277260	1	6.28	1836320	50.0
(DEL) Alkane: Str...	3.96	16.1	ug/L	589321	1	6.28	1836320	50.0
(DEL) Alkane: Str...	4.02	6.2	ug/L	226128	1	6.28	1836320	50.0
Cyclopentene, 3-m...	4.21	50.2	ug/L	1844820	1	6.28	1836320	50.0
(DEL) Alkane: Cyc...	4.57	145.4	ug/L	5339870	1	6.28	1836320	50.0
Cyclopentene, 1-m...	5.21	6.1	ug/L	223124	1	6.28	1836320	50.0
1,5-Hexadiyne	5.85	11237.9	ug/L	412725000	1	6.28	1836320	50.0
Cyclobutane, ethe...	5.94	118.9	ug/L	4366620	1	6.28	1836320	50.0
Thiophene	6.06	121.8	ug/L	4473880	1	6.28	1836320	50.0
Diethyl sulfide	6.60	5.4	ug/L	199481	1	6.28	1836320	50.0
Cyclohexene, 3-me...	7.19	6.8	ug/L	250245	1	6.28	1836320	50.0
Cyclobutane, (1-m...	7.42	10.8	ug/L	396482	1	6.28	1836320	50.0
2-Pentanol, 2-met...	7.72	12.6	ug/L	462348	1	6.28	1836320	50.0
Thiophene, 2-methyl-	8.12	24.4	ug/L	1087700	2	9.44	2224340	50.0
Thiophene, 3-methyl-	8.29	25.0	ug/L	1112510	2	9.44	2224340	50.0
Sulfide, ethyl pr...	8.44	3.4	ug/L	152179	2	9.44	2224340	50.0
Thiophene, tetrah...	8.82	28.1	ug/L	1249430	2	9.44	2224340	50.0
4-Heptanone	9.38	13.4	ug/L	597142	2	9.44	2224340	50.0
Thiophene, tetrah...	9.84	37.3	ug/L	1658220	2	9.44	2224340	50.0
Thiophene, 3,4-di...	9.88	33.9	ug/L	1510030	2	9.44	2224340	50.0
Thiophene, tetrah...	9.96	36.4	ug/L	1617150	2	9.44	2224340	50.0
trans-2,3-Dimethy...	10.03	37.8	ug/L	1681520	2	9.44	2224340	50.0
cis-2,3-Dimethylt...	10.29	19.0	ug/L	843840	2	9.44	2224340	50.0
Thiophene, 2,5-di...	10.35	10.3	ug/L	456034	2	9.44	2224340	50.0
2H-Thiopyran, tet...	10.66	18.9	ug/L	1055550	3	11.83	2789150	50.0
Benzene, propyl-	10.92	25.6	ug/L	1430920	3	11.83	2789150	50.0
Hydrazine, 1,1-di...	10.99	28.5	ug/L	1591520	3	11.83	2789150	50.0
Benzene, 1,2,3-tr...	11.10	14.6	ug/L	815376	3	11.83	2789150	50.0
Thiophene, 2-(1-m...	11.21	3.7	ug/L	204077	3	11.83	2789150	50.0
Benzene, 1-ethyl-...	11.30	73.4	ug/L	4096080	3	11.83	2789150	50.0
unknown-01	11.54	5.3	ug/L	297177	3	11.83	2789150	50.0
unknown-02	11.60	2.5	ug/L	141543	3	11.83	2789150	50.0