LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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	24	rVB	1401080	1340223	0.61%	0.199%
2	1.501	42	50	72	rBV	3339132	3704669	1.68%	0.549%
3	1.613	72	85	97	rVV2	15612113	22644954	10.26%	3.357%
4	1.674	97	104	118	rVV	4981462	5764035	2.61%	0.854%
5	1.748	118	127	155	rVB	3723909	4477162	2.03%	0.664%
6	1.922	171	181	192	rBV2	1175118	1610732	0.73%	0.239%
7	2.012	198	209	232	rVB	7213887	9831942	4.45%	1.458%
8	2.176	249	260	267	rVV	4119280	5670735	2.57%	0.841%
9	2.224	267	275	298	rVV	6058864	8815420	3.99%	1.307%
10	2.340	299	311	327	rVV	4387980	6253341	2.83%	0.927%
11	2.440	327	342	350	rVV	2700915	4179057	1.89%	0.620%
12	2.491	350	358	375	rVV	2562218	4020751	1.82%	0.596%
13	2.591	378	389	402	rVV	476423	835757	0.38%	0.124%
14	2.658	403	410	420	rVV2	124103	229536	0.10%	0.034%
15	2.996	500	515	518	rBV3	293891	501599	0.23%	0.074%
16	3.047	519	531	544	rVV	4202784	8209787	3.72%	1.217%
17	3.115	545	552	556	rVV	228920	370036	0.17%	0.055%
18	3.170	556	569	585	rVB	5968544	12303895	5.57%	1.824%
19	3.395	620	639	658	rVB2	261872	770166	0.35%	0.114%
20	3.626	687	711	727	rVV3	136650	332923	0.15%	0.049%
21	3.735	727	745	764	rVB	242607	545933	0.25%	0.081%
22	3.877	769	789	799	rBV3	115894	271212	0.12%	0.040%
23	3.957	799	814	824	rVV	232884	592852	0.27%	0.088%
24	4.018	825	833	851	rVB2	143709	340061	0.15%	0.050%
25	4.128	851	867	878	rBV4	67309	181117	0.08%	0.027%
26	4.215	878	894	909	rVV3	779399	2205092	1.00%	0.327%
27	4.295	910	919	934	rVV2	313061	743746	0.34%	0.110%
28	4.575	986	1006	1024	rBV	2402549	6014200	2.73%	0.892%
29	4.674	1024	1037	1052	rVV	243220	667471	0.30%	0.099%
30	4.752	1053	1061	1080	rVB	80034	206224	0.09%	0.031%
31	5.102	1152	1170	1187	rBV	413371	959613	0.43%	0.142%
32	5.218	1189	1206	1223	rVB3	155625	366853	0.17%	0.054%
33	5.427	1253	1271	1300	rBV	3695719	8807172	3.99%	1.306%
34	5.954	1428	1435	1448	rVB	3185798	5591616	2.53%	0.829%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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	6.067	1459	1470	1487	rVB	4846165	9119626	4.13%	1.352%
36	6.285	1529	1538	1560	rVB	870306	1640194	0.74%	0.243%
37	6.597	1619	1635	1649	rVV3	219570	437803	0.20%	0.065%
38	6.722	1662	1674	1685	rVV	582178	1137572	0.52%	0.169%
39	6.796	1685	1697	1716	rVV5	601970	1638569	0.74%	0.243%
40	6.890	1716	1726	1737	rVV4	93667	186283	0.08%	0.028%
41	7.192	1803	1820	1822	rBV3	173362	285052	0.13%	0.042%
42	7.423	1878	1892	1902	rBV	260547	455373	0.21%	0.068%
43	7.597	1932	1946	1958	rBV2	442977	851513	0.39%	0.126%
44	7.726	1974	1986	1996	rVV	284671	575073	0.26%	0.085%
45	7.784	1996	2004	2011	rVV	167717	313069	0.14%	0.046%
46	7.825	2012	2017	2029	rVV2	97486	173814	0.08%	0.026%
47	7.928	2029	2049	2057	rVV	1127962	2209970	1.00%	0.328%
48	8.018	2057	2077	2100	rVV3	84542844	220698891	100.00%	32.717%
49	8.128	2100	2111	2127	rVV	5163242	8770088	3.97%	1.300%
50	8.202	2128	2134	2150	rVV	264083	468544	0.21%	0.069%
51	8.295	2150	2163	2189	rVB	2315654	3970228	1.80%	0.589%
52	8.436	2195	2207	2224	rVB5	131138	276518	0.13%	0.041%
53	8.655	2258	2275	2286	rBV	925831	1602323	0.73%	0.238%
54	8.816	2306	2325	2335	rBV	947591	1715633	0.78%	0.254%
55	9.365	2480	2496	2508	rVV5	141912	446603	0.20%	0.066%
56	9.436	2508	2518	2524	rVV	1282270	2121860	0.96%	0.315%
57	9.484	2524	2533	2551	rVV	5425096	9289581	4.21%	1.377%
58	9.600	2551	2569	2586	rVV3	63006391	120051060	54.40%	17.797%
59	9.716	2586	2605	2632	rVV	20444010	37143927	16.83%	5.506%
60	9.848	2634	2646	2651	rVV	2060757	3421370	1.55%	0.507%
61	9.880	2651	2656	2670	rVV3	2118359	3754020	1.70%	0.557%
62	9.964	2670	2682	2692	rVV	1361906	2316872	1.05%	0.343%
63	10.031	2692	2703	2709	rVV2	1304198	2650240	1.20%	0.393%
64	10.070	2711	2715	2720	rVV	1601984	2299899	1.04%	0.341%
65	10.121	2720	2731	2757	rVV	25530450	42097975	19.07%	6.241%
66	10.295	2774	2785	2794	rVV2	658782	1166980	0.53%	0.173%
67	10.349	2794	2802	2806	rVV	488327	800338	0.36%	0.119%
68	10.382	2806	2812	2821	rVV2	790081	1375030	0.62%	0.204%
69	10.439	2821	2830	2839	rVV	872101	1592493	0.72%	0.236%
70	10.497	2839	2848	2871	rVB	1510100	2548226	1.15%	0.378%
71	10.664	2890	2900	2914	rVB	898550	1448029	0.66%	0.215%

LSC Area Percent Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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	10.771	2915	2933	2940	rBV2	916363	2077477	0.94%	0.308%
73	10.918	2968	2979	2990	rVV	1705467	3269814	1.48%	0.485%
74	10.986	2992	3000	3002	rVV	1929399	2588722	1.17%	0.384%
75	11.008	3004	3007	3024	rVV	2602001	5219440	2.36%	0.774%
76	11.099	3024	3035	3050	rVB	679999	1249867	0.57%	0.185%
77	11.217	3062	3072	3081	rBV2	130022	287796	0.13%	0.043%
78	11.304	3088	3099	3123	rVB	2362767	4738067	2.15%	0.702%
79	11.417	3123	3134	3143	rVV4	597772	1059347	0.48%	0.157%
80	11.478	3143	3153	3164	rVV	3496653	5272980	2.39%	0.782%
81	11.536	3164	3171	3181	rVB4	214934	380048	0.17%	0.056%
82	11.661	3199	3210	3226	rBV8	242910	656792	0.30%	0.097%
83	11.742	3227	3235	3246	rVB3	203765	386037	0.17%	0.057%
84	11.822	3246	3260	3272	rBV2	1623712	2976410	1.35%	0.441%
85	11.906	3275	3286	3296	rVV	2654582	4209671	1.91%	0.624%
86	11.957	3297	3302	3319	rVB5	224497	410041	0.19%	0.061%
87	12.105	3338	3348	3367	rVB	1487690	2403533	1.09%	0.356%
88	12.205	3367	3379	3388	rBV	1415064	2300381	1.04%	0.341%
89	12.320	3404	3415	3428	rBV	933577	1496881	0.68%	0.222%
90	12.668	3515	3523	3526	rVV2	162800	231123	0.10%	0.034%
91	12.693	3527	3531	3550	rVB3	257965	594616	0.27%	0.088%
92	13.475	3763	3774	3786	rVV3	377061	682189	0.31%	0.101%
93	13.545	3786	3796	3815	rVB4	279207	533542	0.24%	0.079%
94	13.648	3817	3828	3840	rBV2	364667	620835	0.28%	0.092%
95	14.031	3935	3947	3958	rBV4	178463	311881	0.14%	0.046%
96	14.111	3959	3972	3988	rBV	4531736	7239752	3.28%	1.073%
97	14.192	3988	3997	4001	rBV	138427	201053	0.09%	0.030%
98	14.233	4001	4010	4022	rVB	900230	1428366	0.65%	0.212%
99	15.259	4319	4329	4345	rBV2	262786	584988	0.27%	0.087%
100	15.452	4376	4389	4406	rVB2	384913	752984	0.34%	0.112%

Sum of corrected areas: 674575154

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
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Acq On : 09 Jun 2020 07:47
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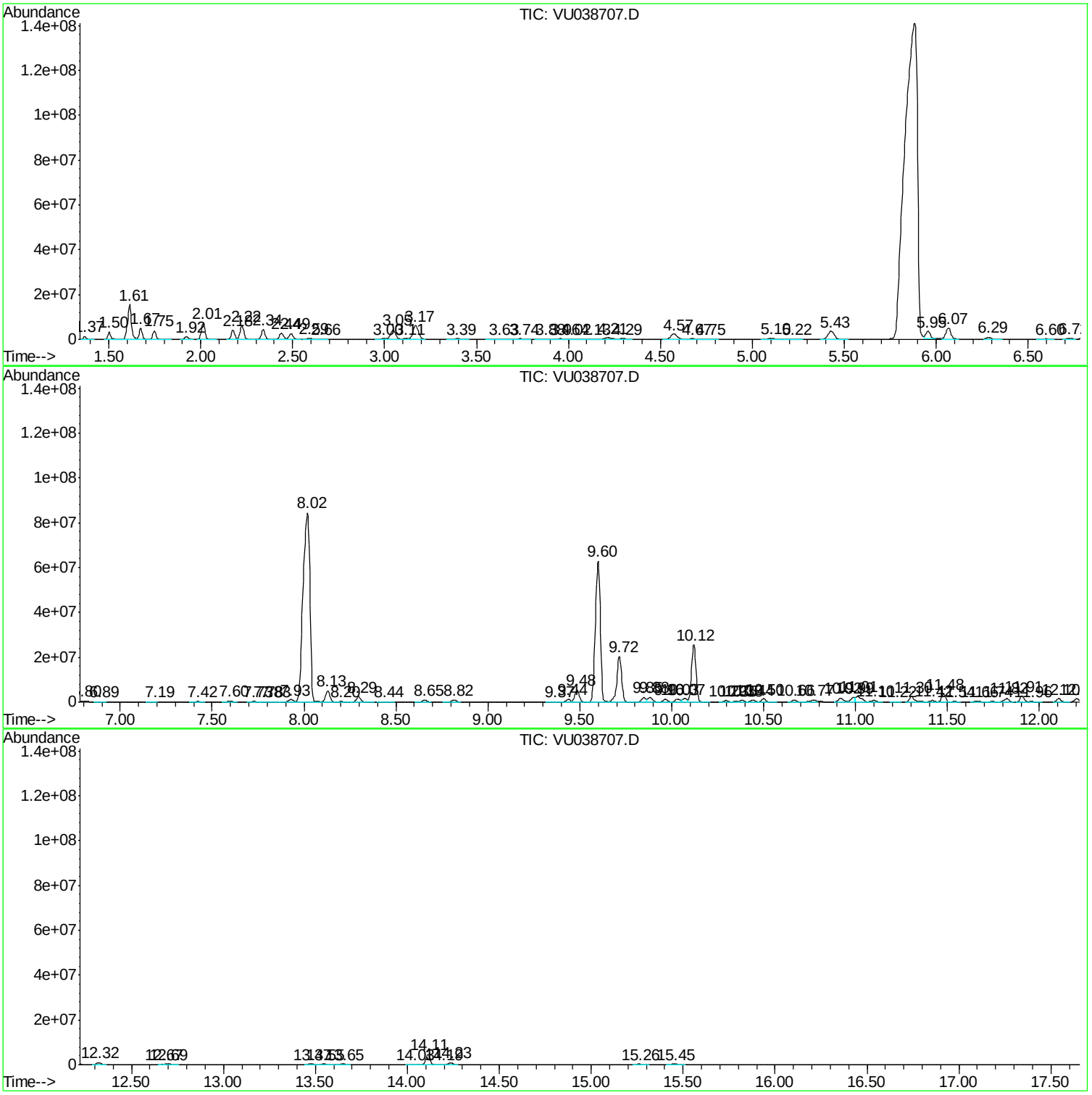
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9D83

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 : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

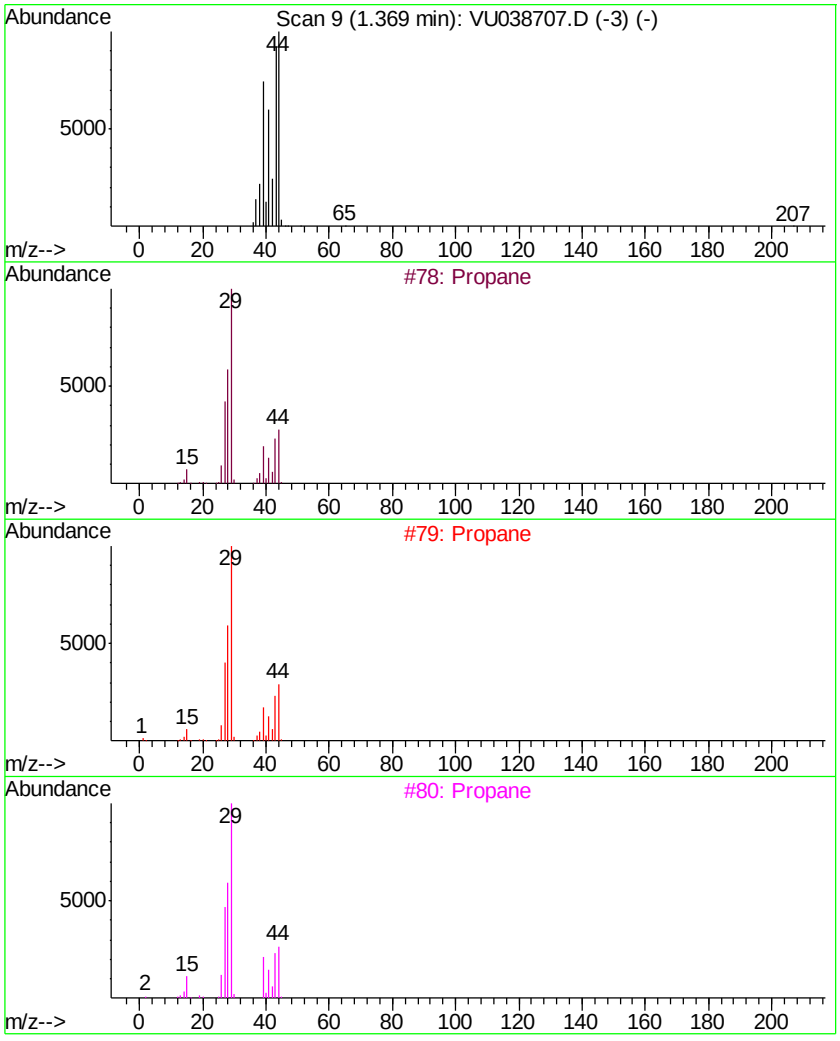
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

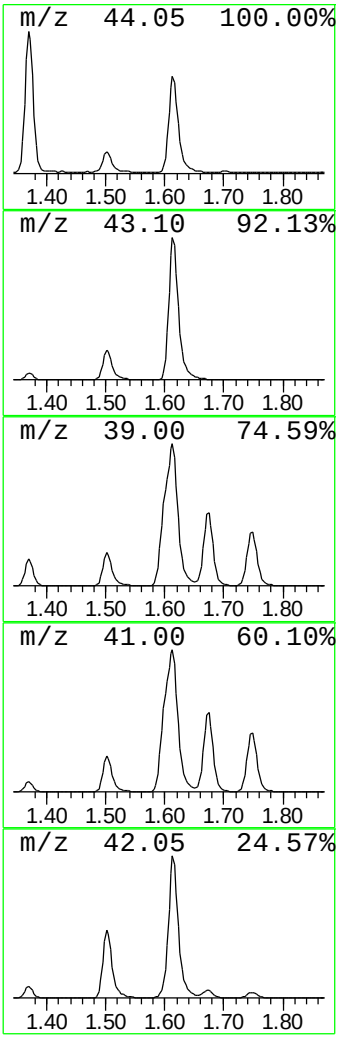
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	40.86 ug/L	1340220	1,4-Difluorobenzene	6.29

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 : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

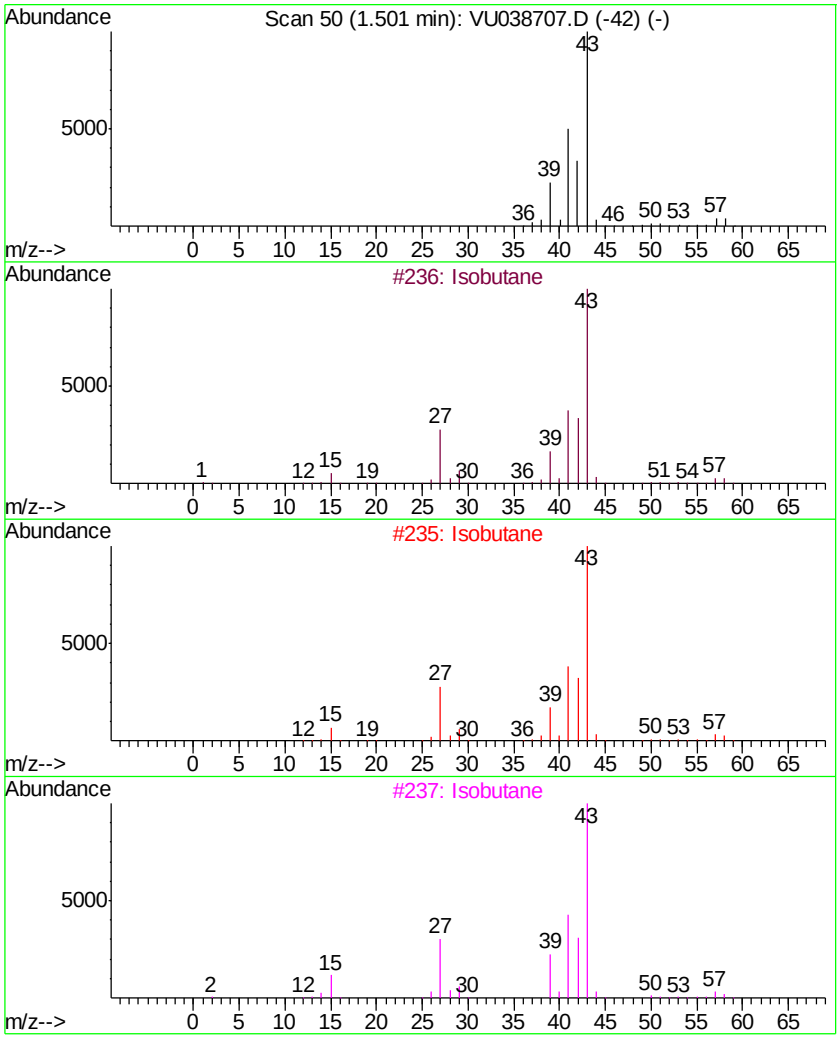
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

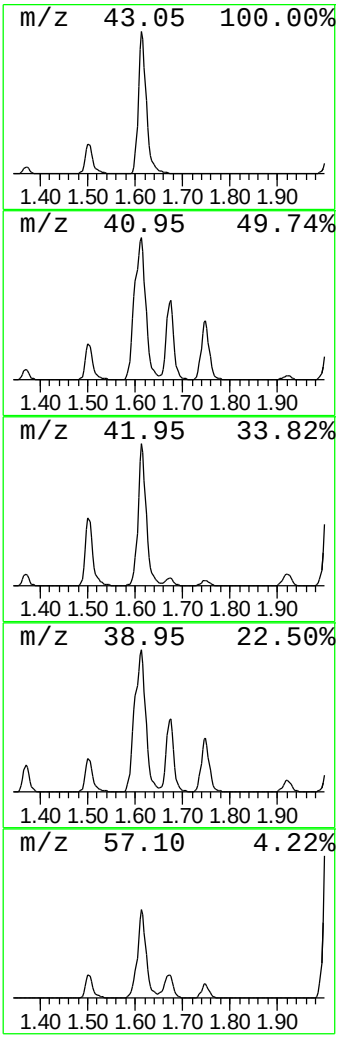
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	112.93 ug/L	3704670	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
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	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

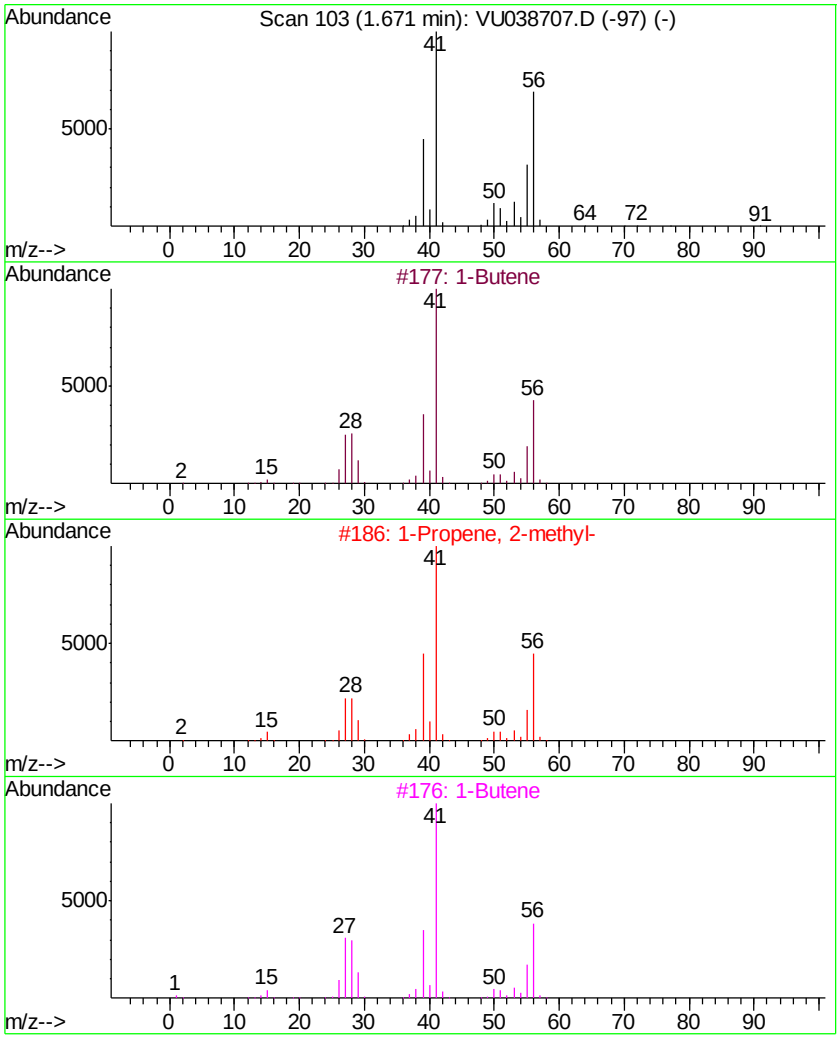
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

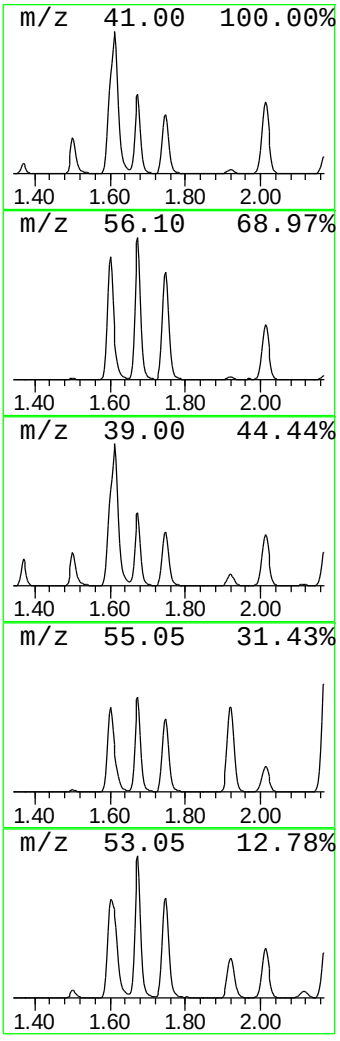
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	175.71 ug/L	5764040	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	80
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	1-Butene	56	C4H8	000106-98-9	72
4	2-Butene, (Z)-	56	C4H8	000590-18-1	68
5	2-Butene, (E)-	56	C4H8	000624-64-6	64





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

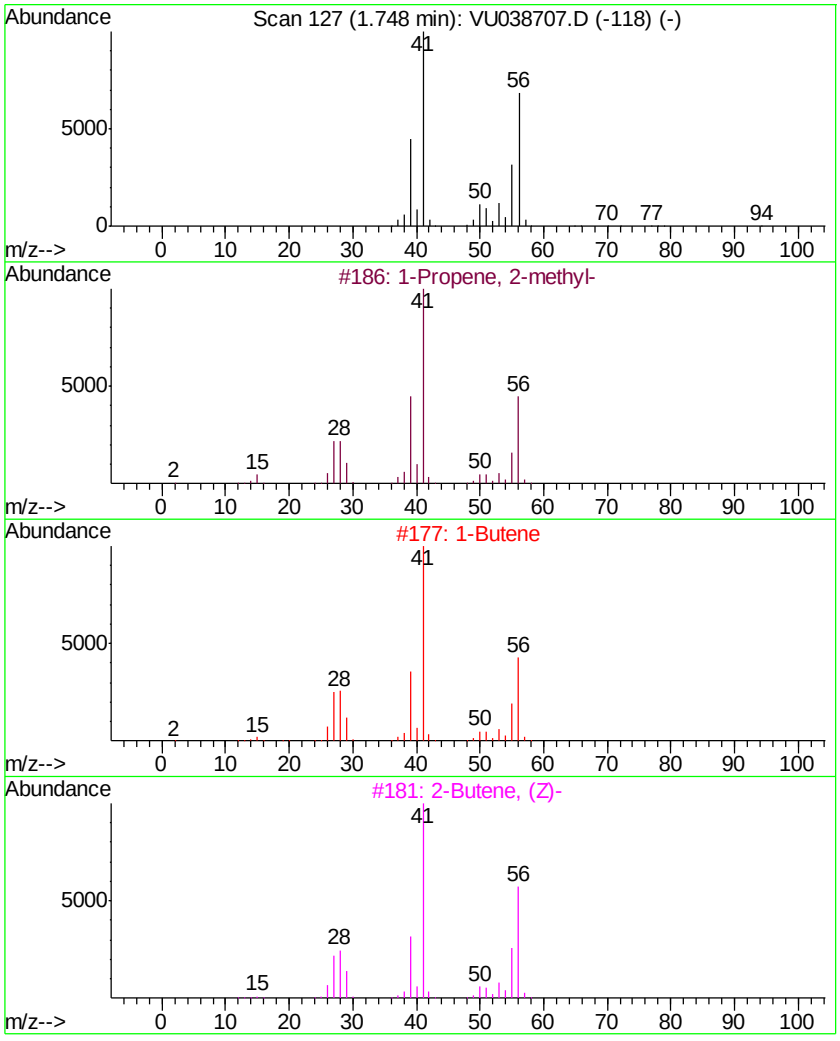
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

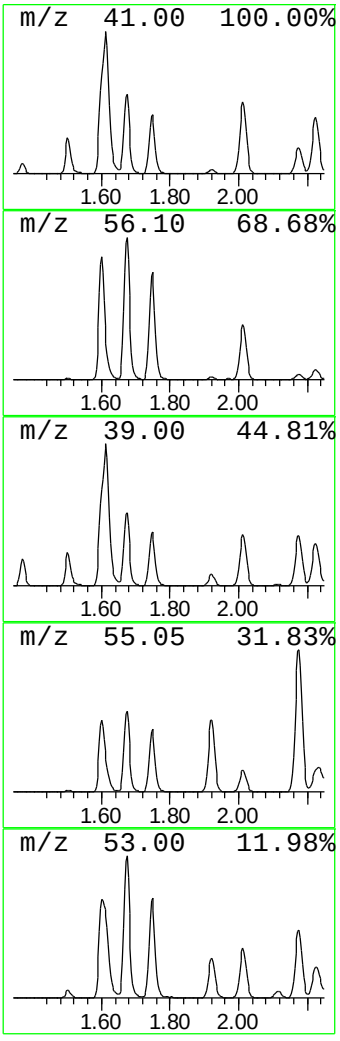
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	136.48 ug/L	4477160	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
2	1-Butene	56	C4H8	000106-98-9	87
3	2-Butene, (Z)-	56	C4H8	000590-18-1	80
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
5	2-Butene, (Z)-	56	C4H8	000590-18-1	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

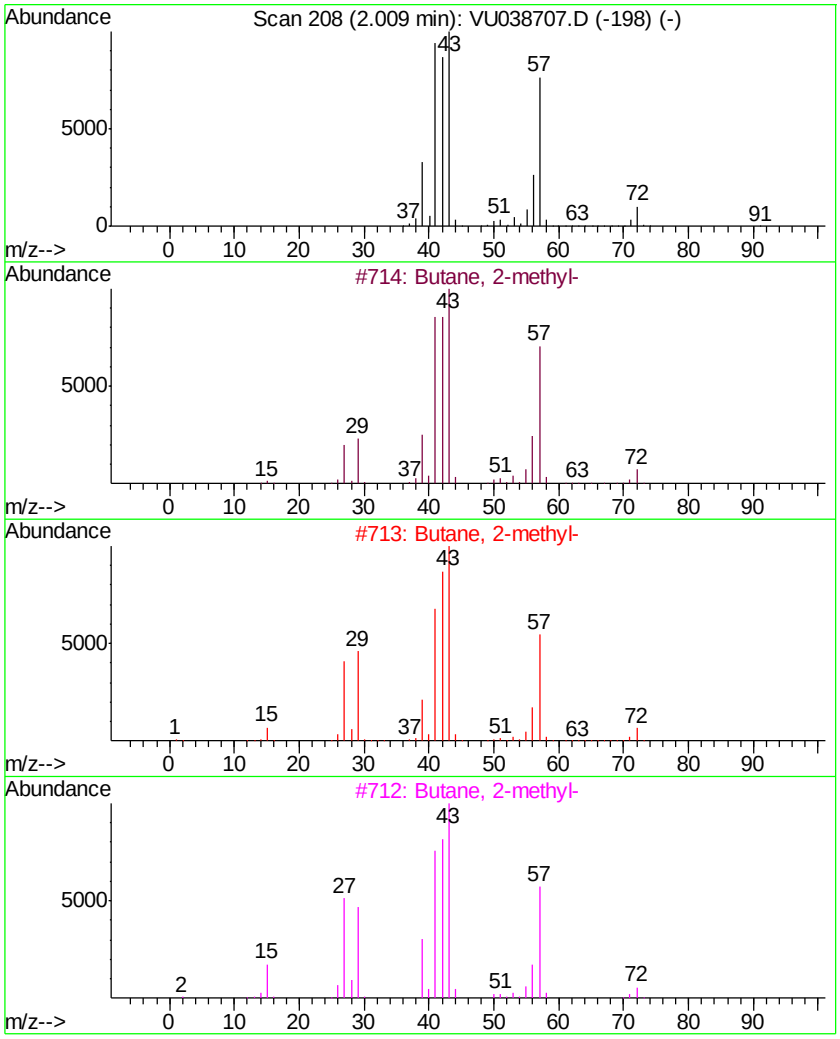
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

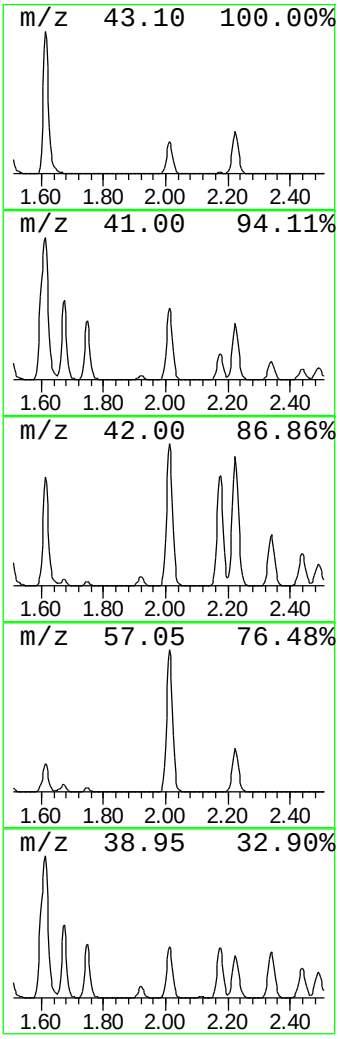
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	299.72 ug/L	9831940	1,4-Difluorobenzene	6.29

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	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33
5	Pentane	72	C5H12	000109-66-0	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

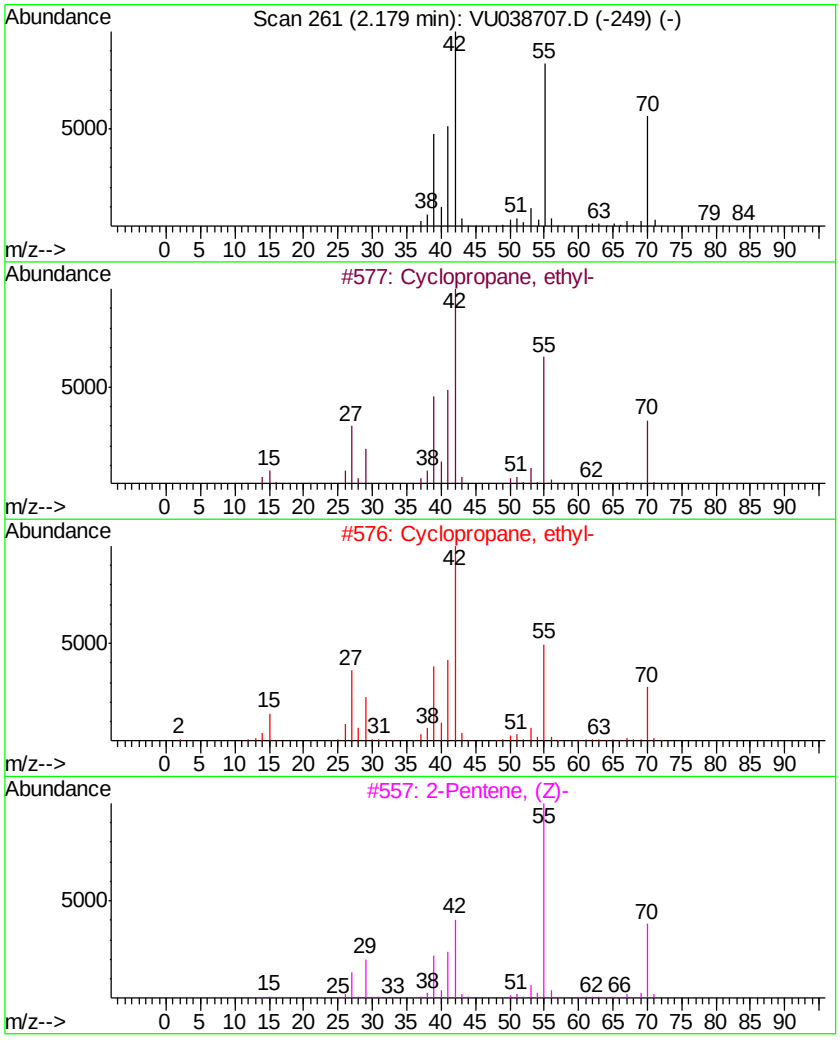
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

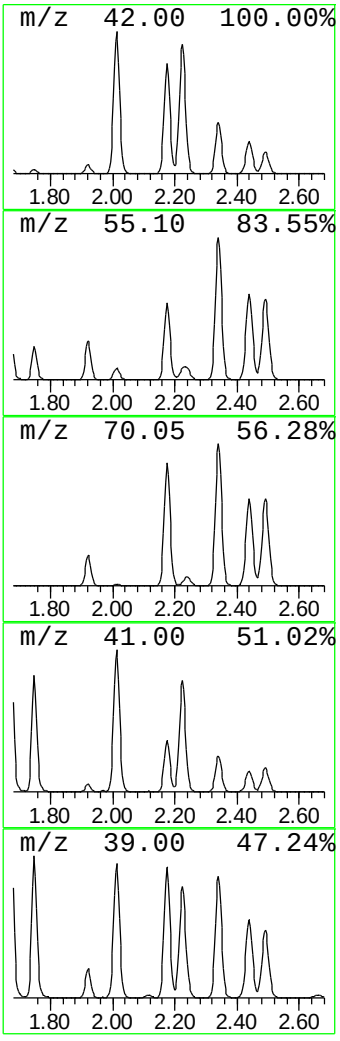
****

Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	172.87 ug/L	5670740	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	87
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	74
4	2-Pentene	70	C5H10	000109-68-2	72
5	1-Pentene	70	C5H10	000109-67-1	68





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

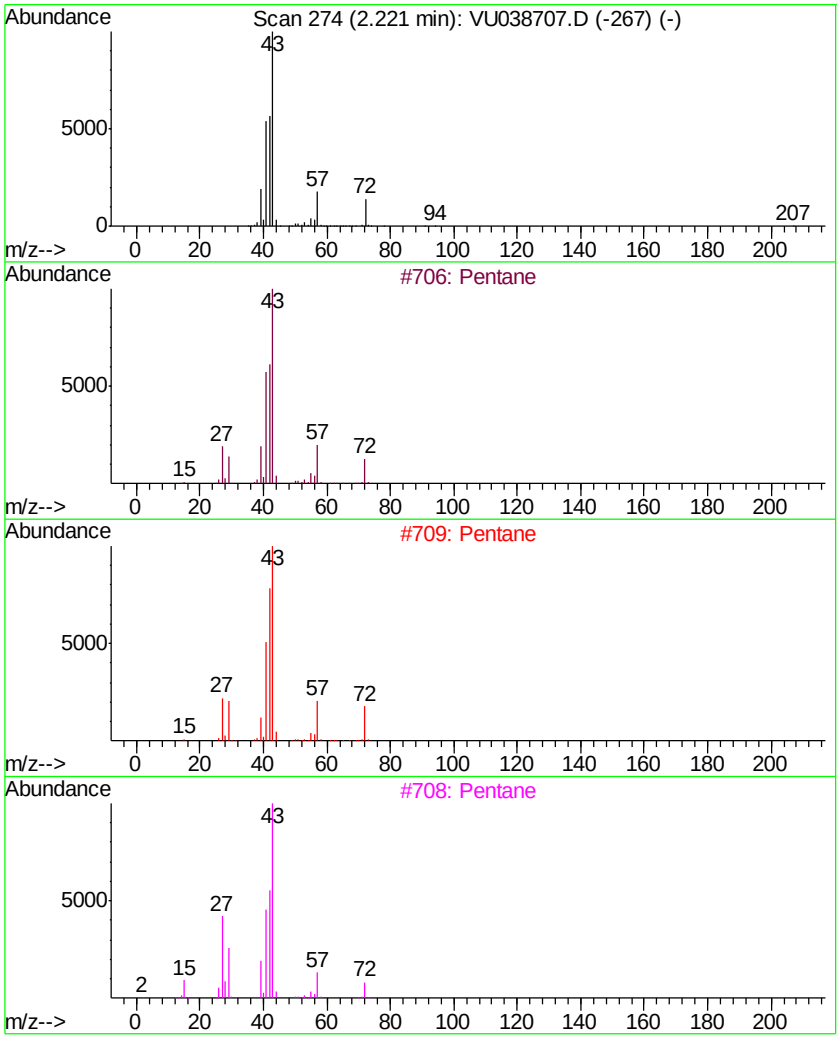
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

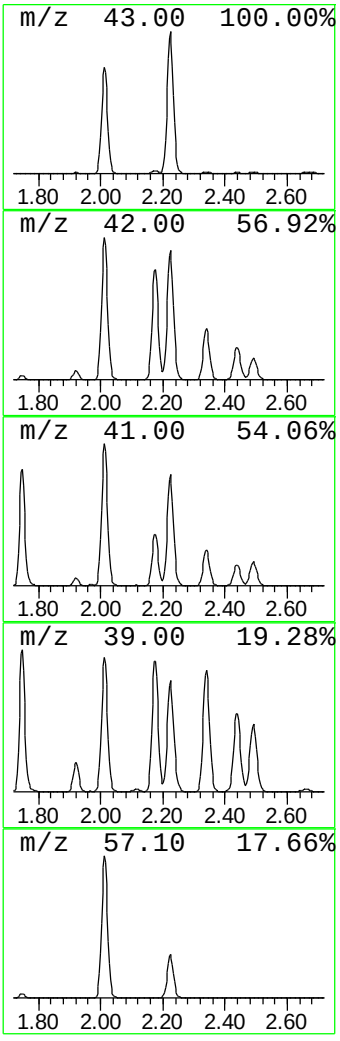
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	268.73 ug/L	8815420	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	86
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

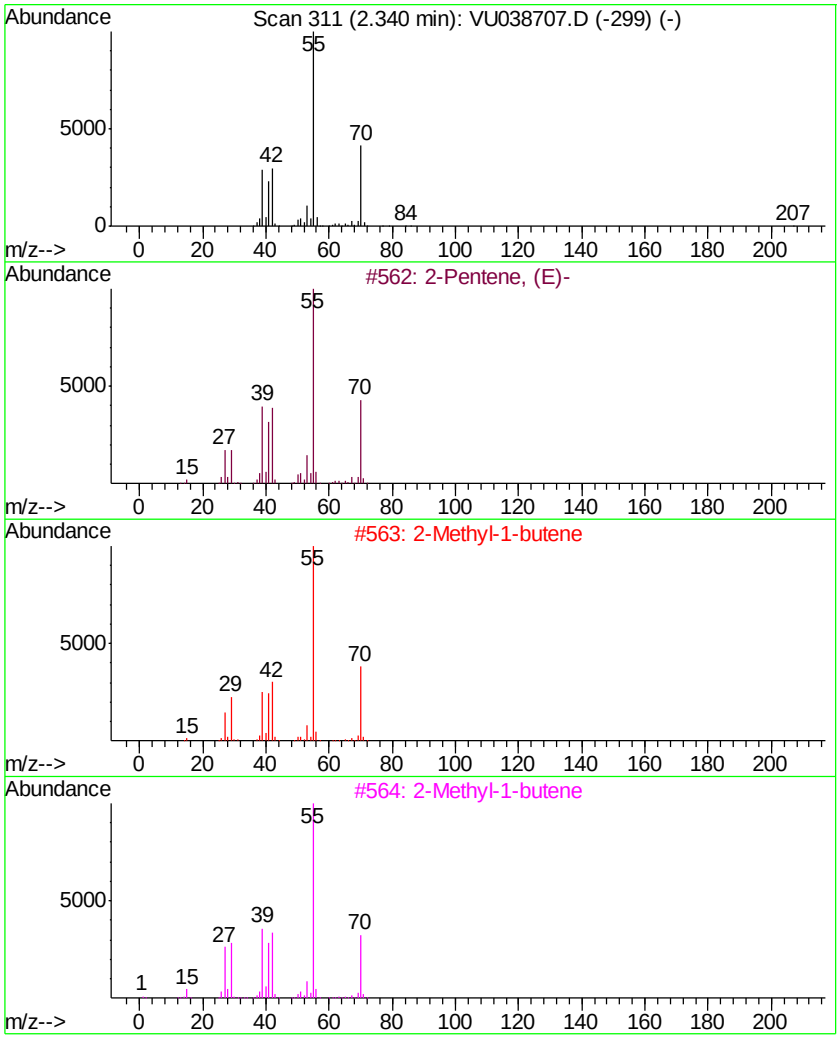
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

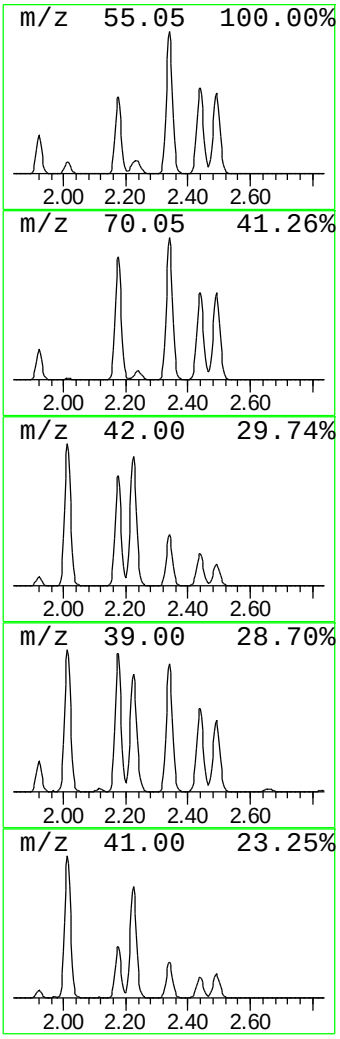
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	190.63 ug/L	6253340	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	94
2	2-Methyl-1-butene	70	C5H10	000563-46-2	91
3	2-Methyl-1-butene	70	C5H10	000563-46-2	91
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5	2-Pentene, (E)-	70	C5H10	000646-04-8	87





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

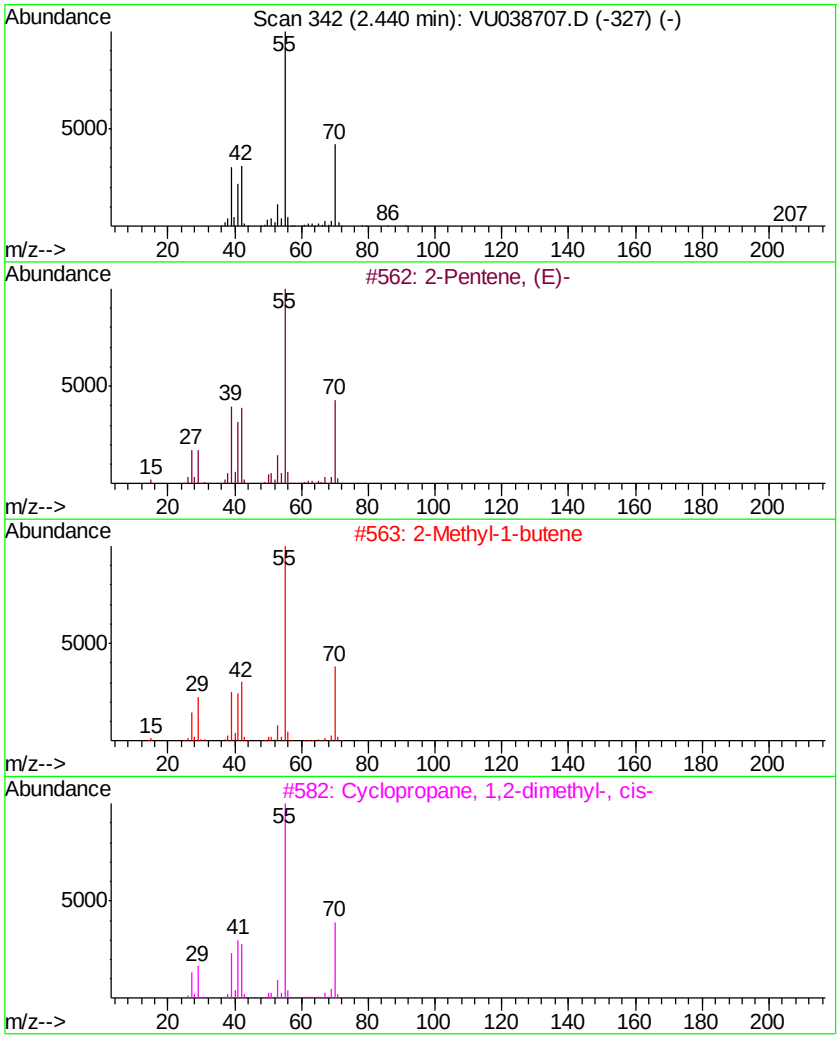
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

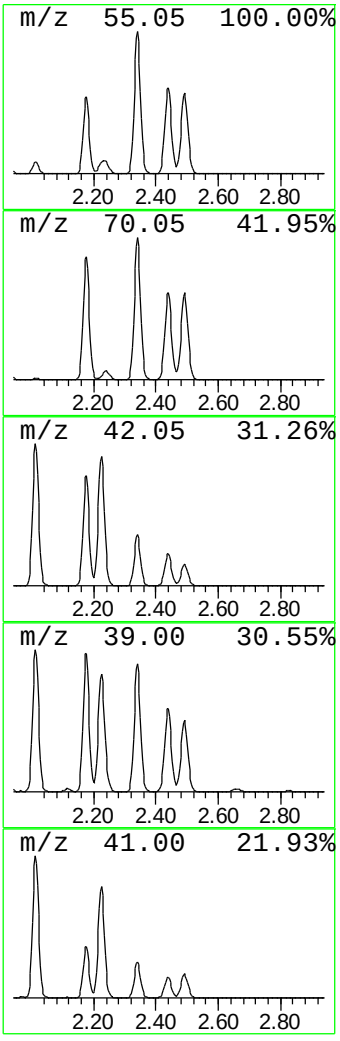
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	127.40 ug/L	4179060	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	94
2	2-Methyl-1-butene	70	C5H10	000563-46-2	91
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

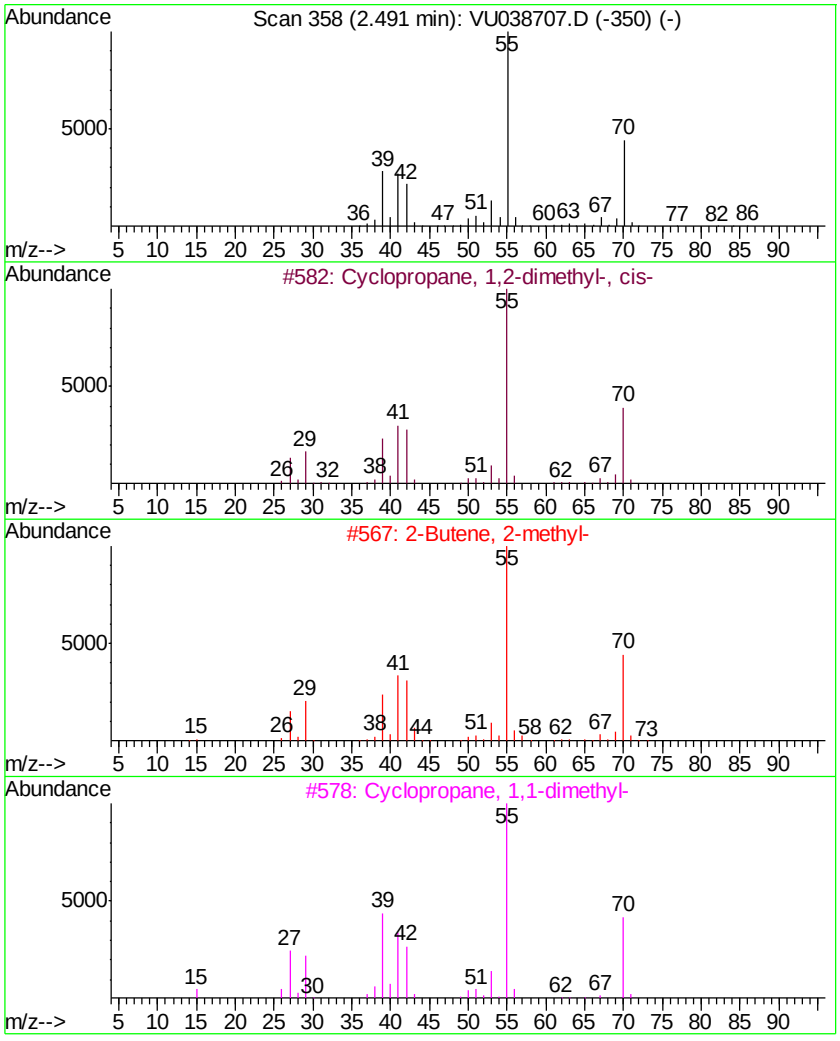
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

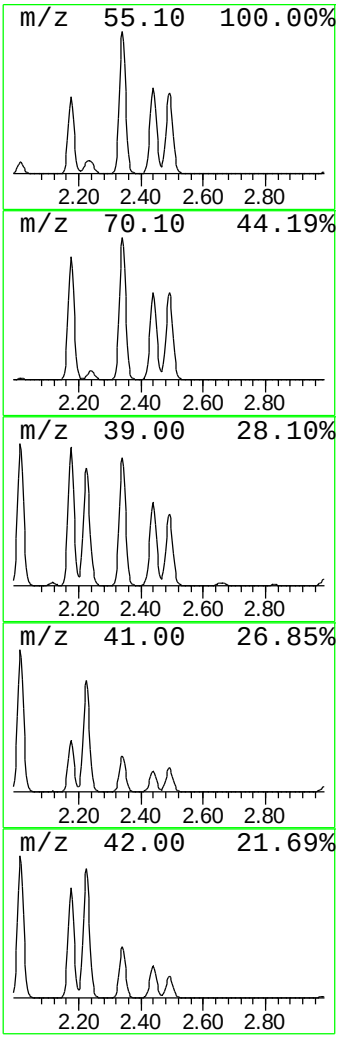
****

Peak Number 10 (DEL) Alkane: Cyclic2.49 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	122.57 ug/L	4020750	1,4-Difluorobenzene	6.29

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, 1,1-dimethyl-	70	C5H10	001630-94-0	80
4	1-Butene, 3-methyl-	70	C5H10	000563-45-1	78
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	78





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

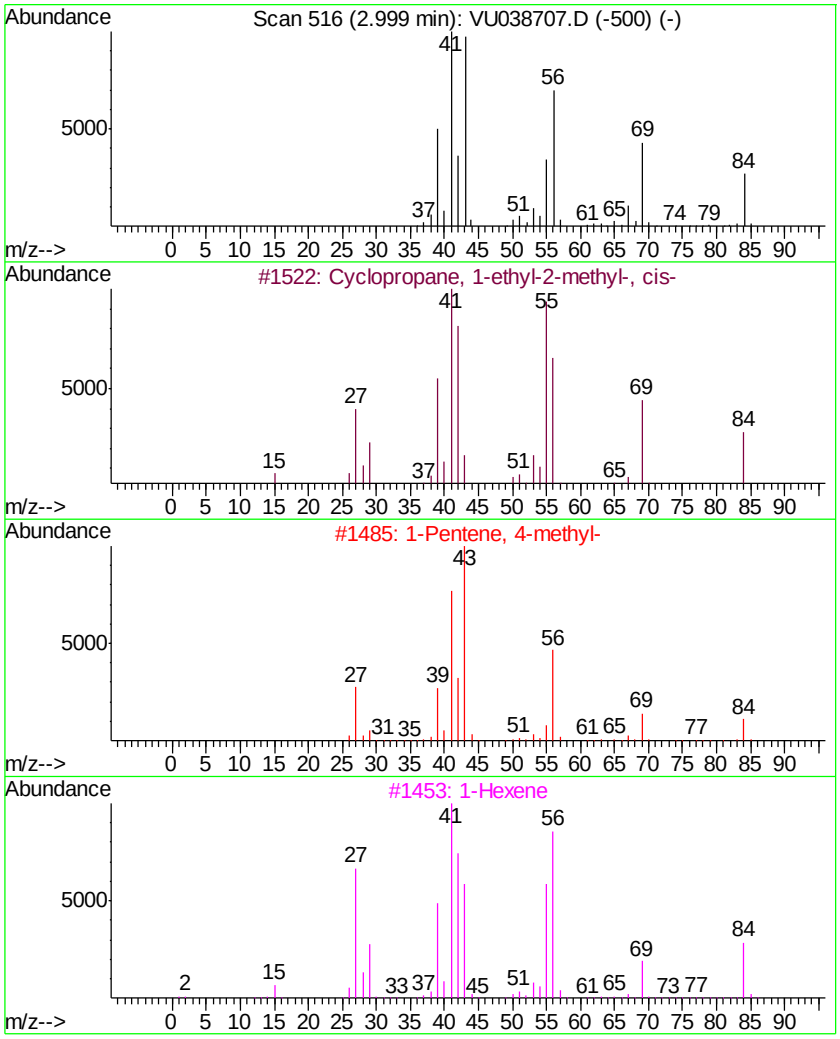
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

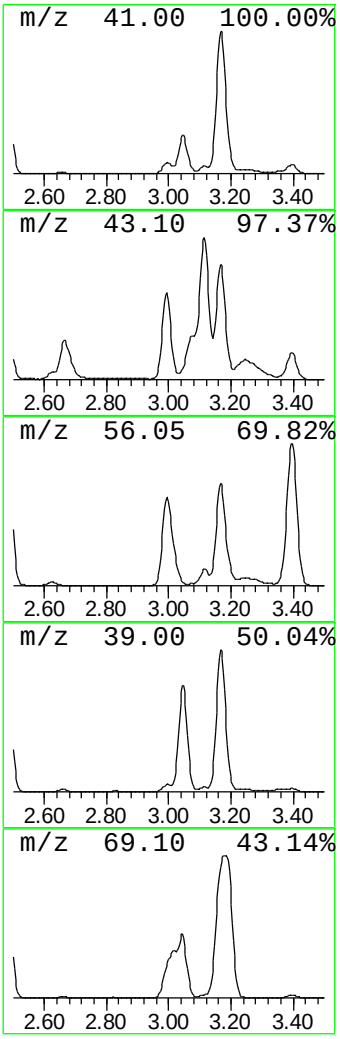
****

Peak Number 11 (DEL) Alkane: Cyclic3.00 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	15.29 ug/L	501599	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	64
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	64
3	1-Hexene	84	C6H12	000592-41-6	64
4	Cyclohexane	84	C6H12	000110-82-7	49
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	49





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

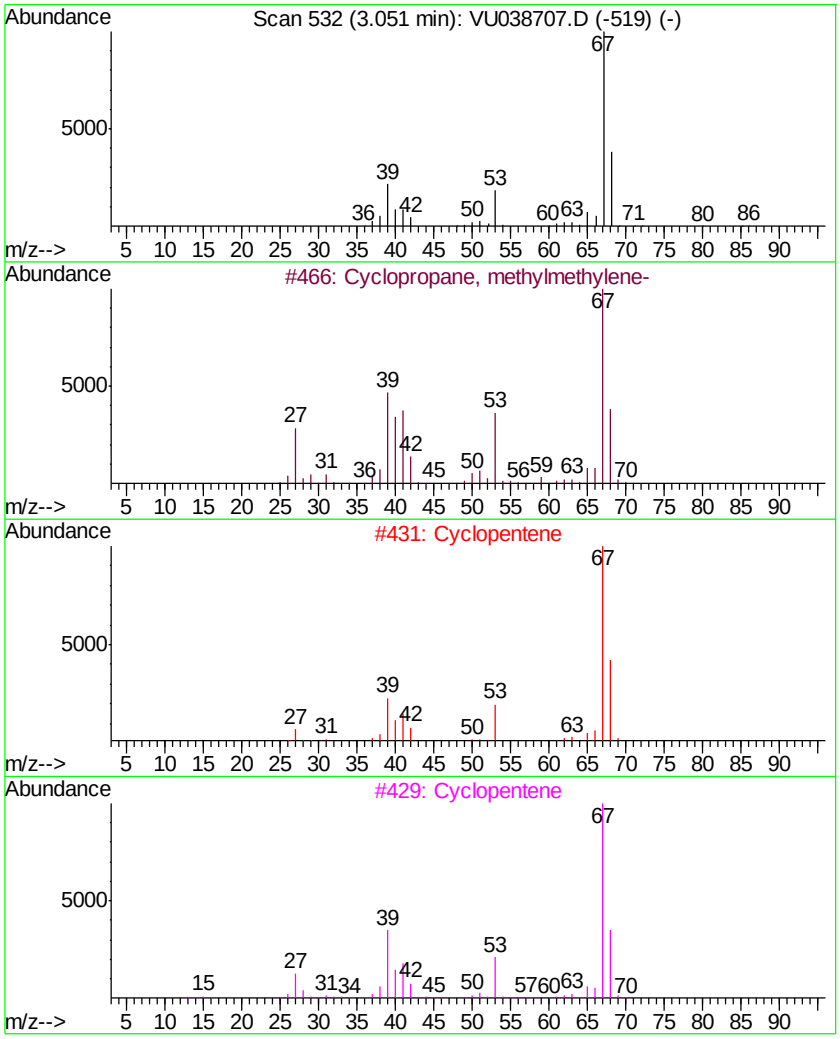
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

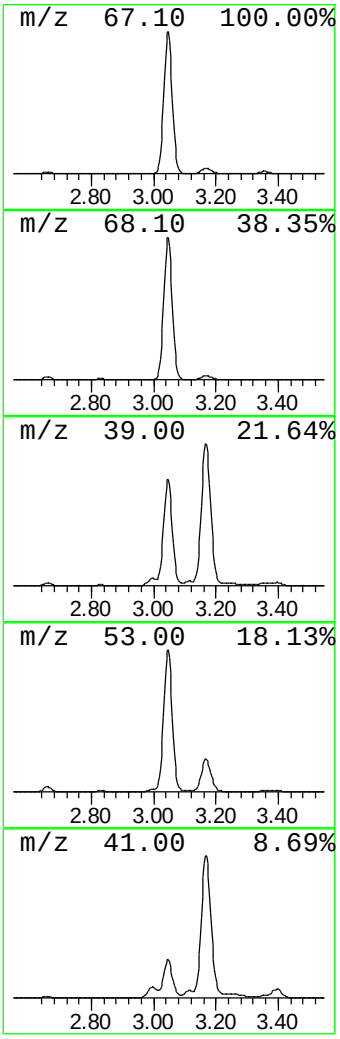
****

Peak Number 12 Cyclopropane, methylmethylene- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	250.27 ug/L	8209790	1,4-Difluorobenzene	6.29

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	80
4	Cyclopentene	68	C5H8	000142-29-0	80
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	78





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

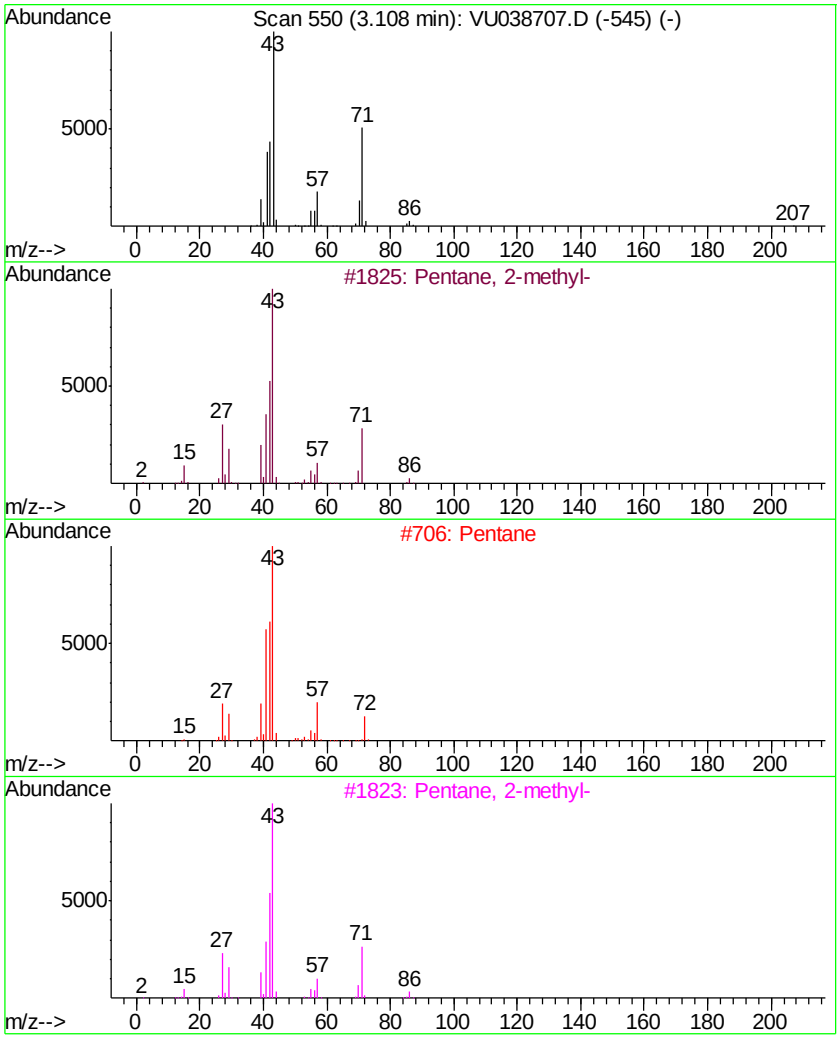
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

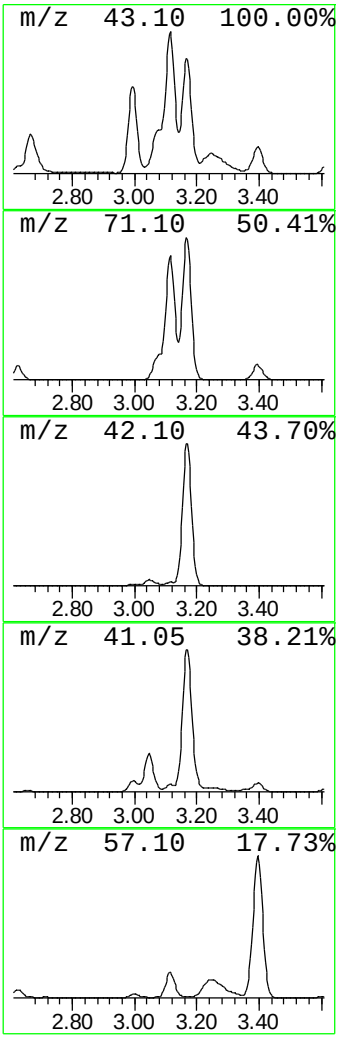
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	11.28 ug/L	370036	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
2	Pentane	72	C5H12	000109-66-0	43
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	40
4	Ether, hexyl pentyl	172	C11H24O	032357-83-8	28
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	25





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

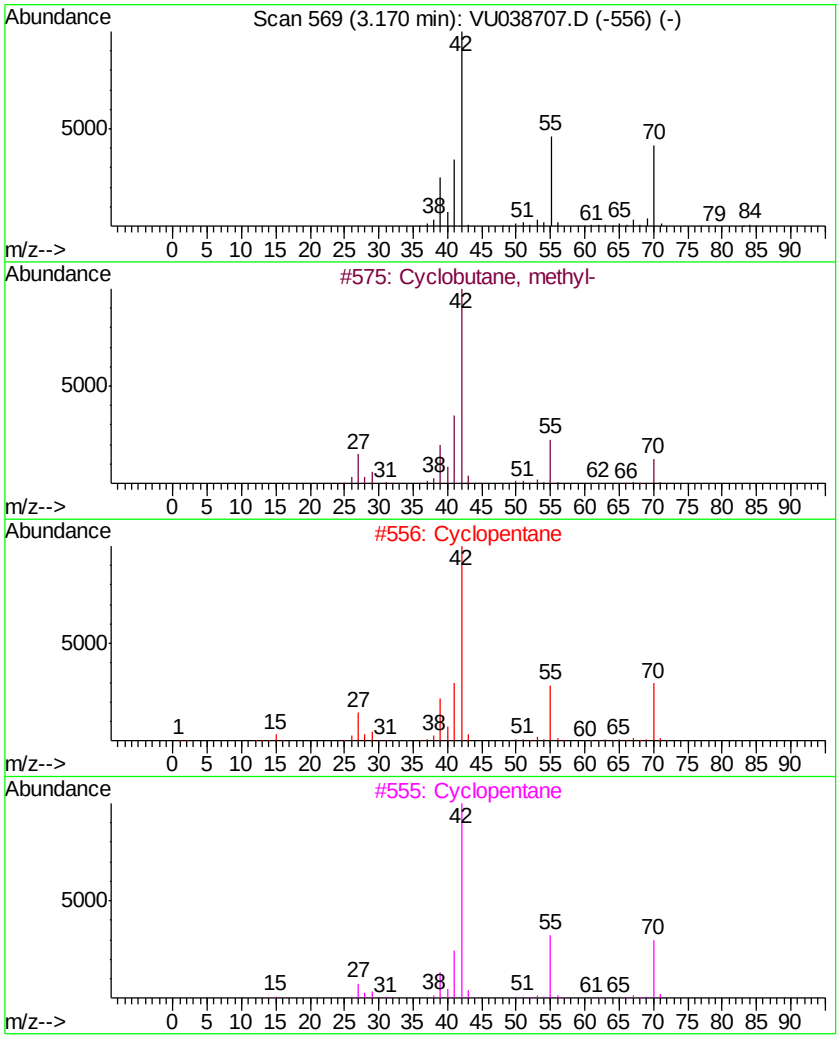
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

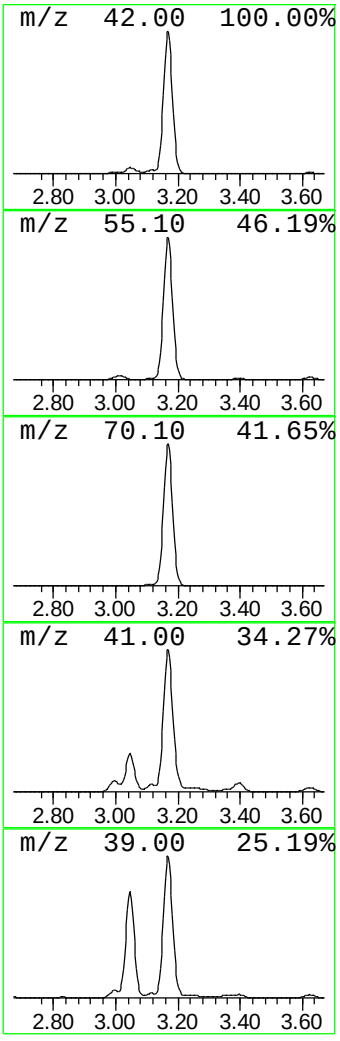
****

Peak Number 14 (DEL) Alkane: Cyclic3.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	375.07 ug/L	12303900	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2	Cyclopentane	70	C5H10	000287-92-3	78
3	Cyclopentane	70	C5H10	000287-92-3	78
4	1-Pentene	70	C5H10	000109-67-1	64
5	1-Pentanol	88	C5H12O	000071-41-0	40





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

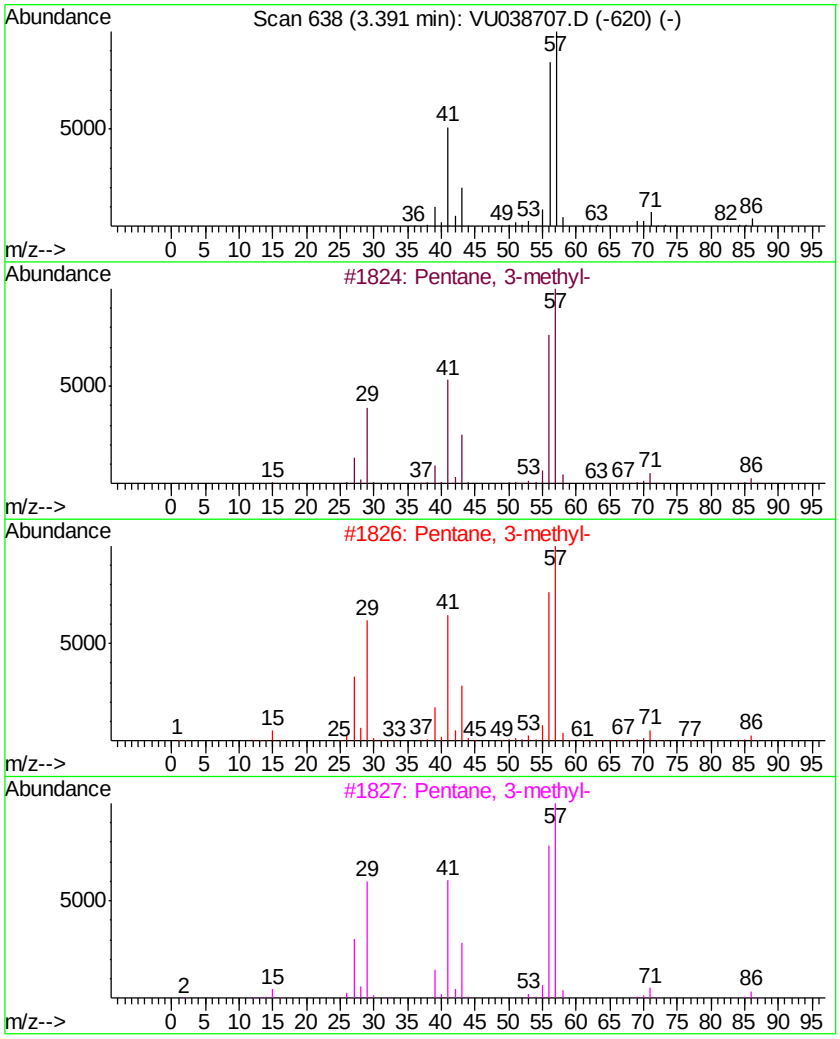
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

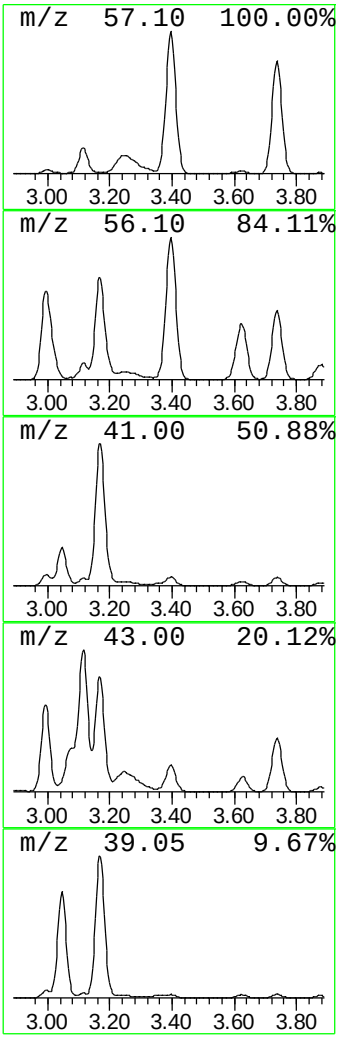
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	23.48 ug/L	770166	1,4-Difluorobenzene	6.29

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	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

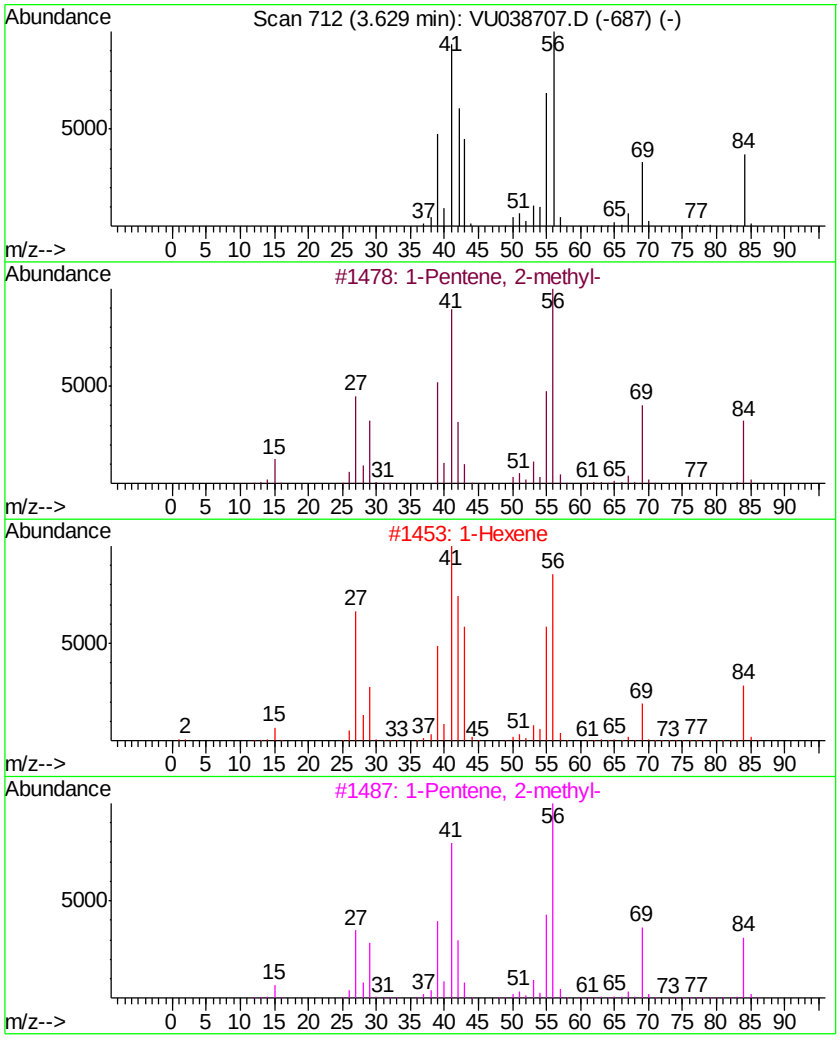
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

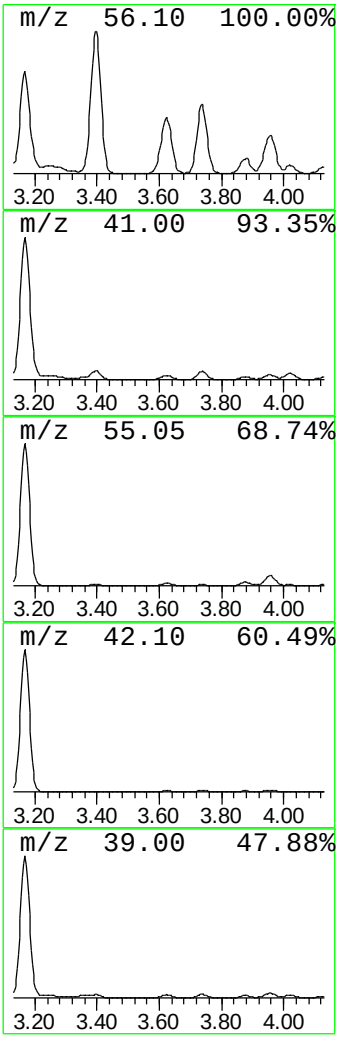
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	10.15 ug/L	332923	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
2	1-Hexene	84	C6H12	000592-41-6	87
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
4	1-Hexene	84	C6H12	000592-41-6	74
5	3-Hexene, (E)-	84	C6H12	013269-52-8	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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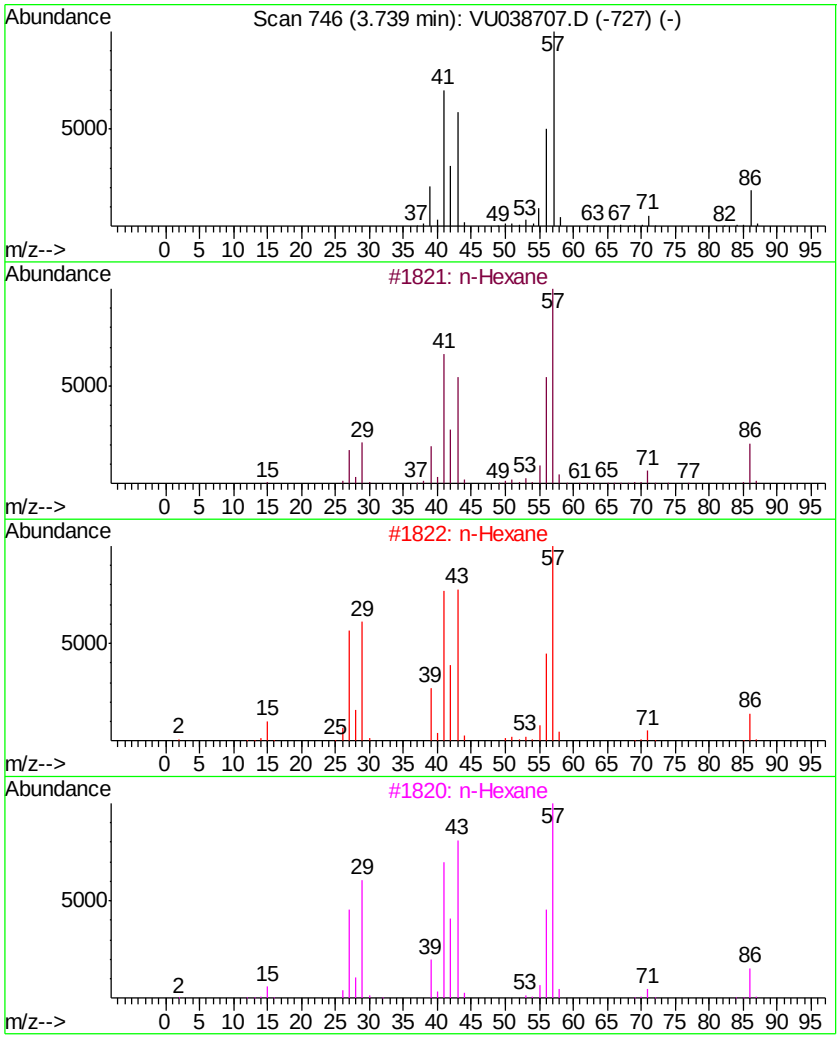
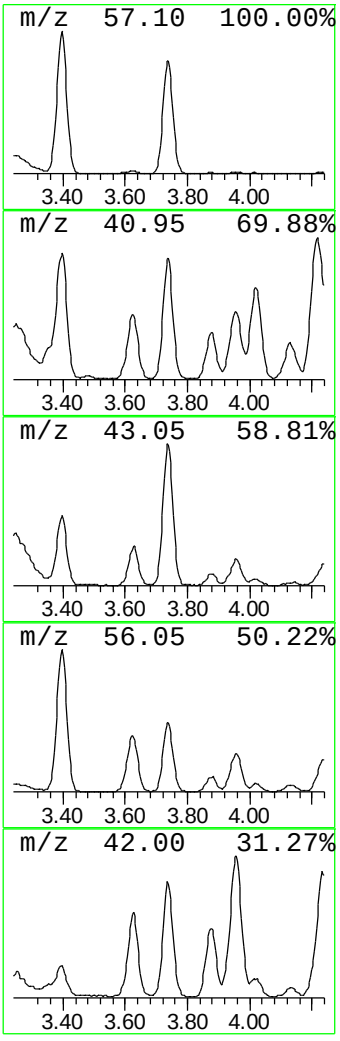
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	16.64 ug/L	545933	1,4-Difluorobenzene	6.29

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	53
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	47
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

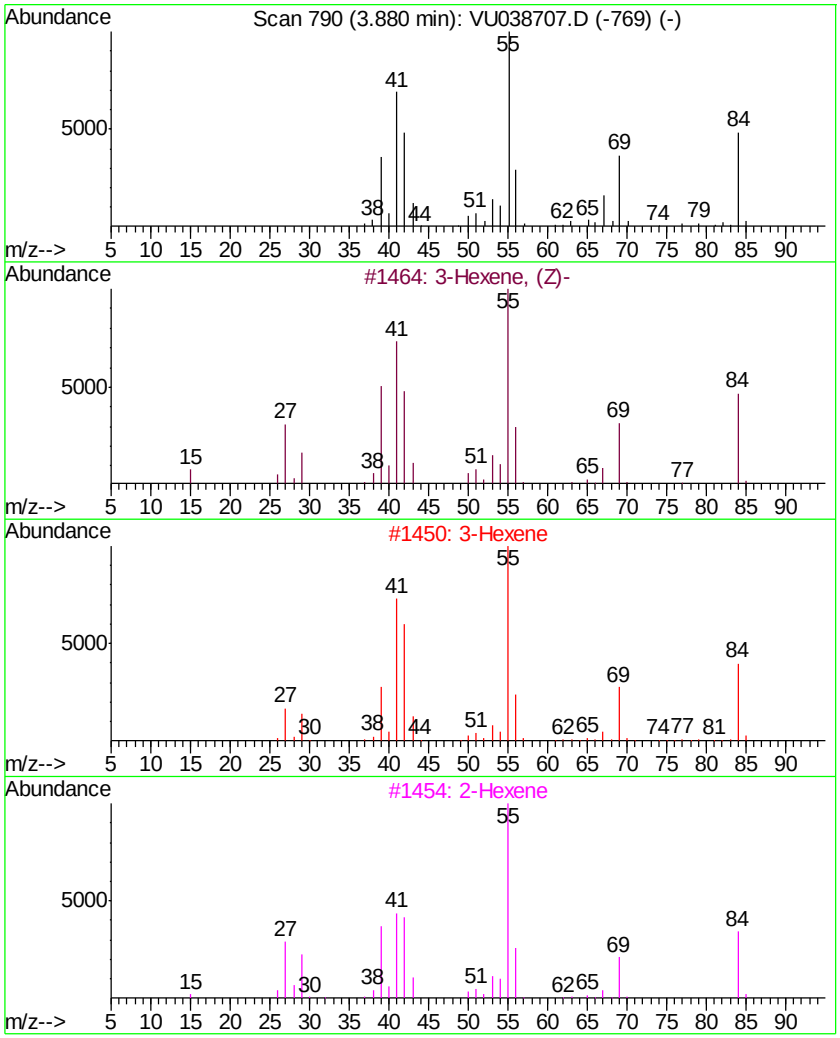
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

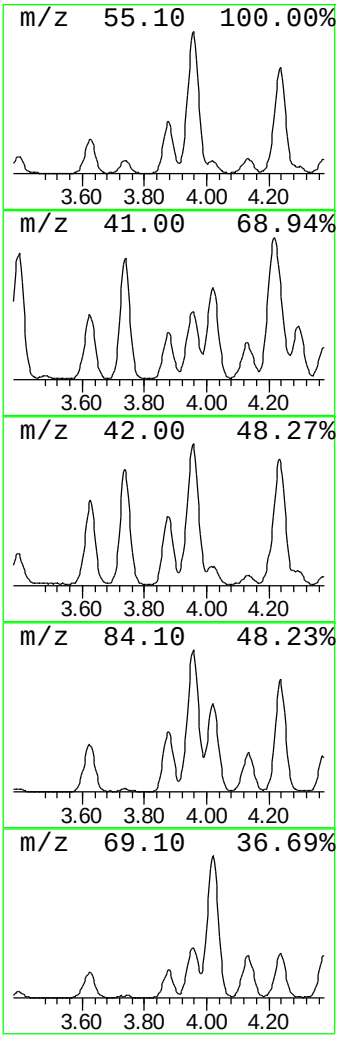
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	8.27 ug/L	271212	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	94
2	3-Hexene	84	C6H12	000592-47-2	91
3	2-Hexene	84	C6H12	000592-43-8	91
4	3-Hexene, (E)-	84	C6H12	013269-52-8	91
5	3-Hexene, (E)-	84	C6H12	013269-52-8	91





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Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

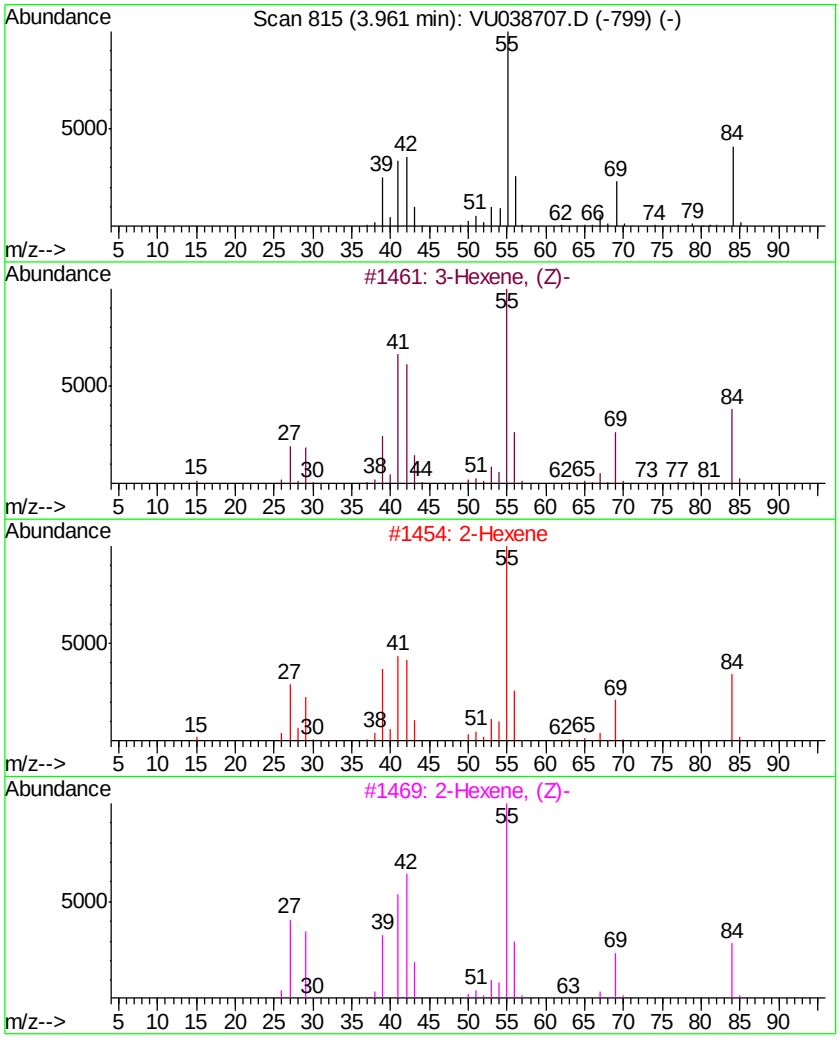
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

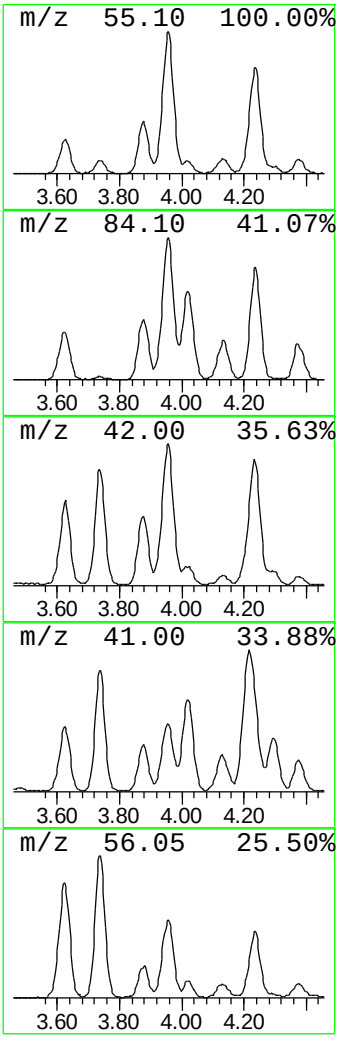
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	18.07 ug/L	592852	1,4-Difluorobenzene	6.29

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	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
5	2-Hexene, (E)-	84	C6H12	004050-45-7	90





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

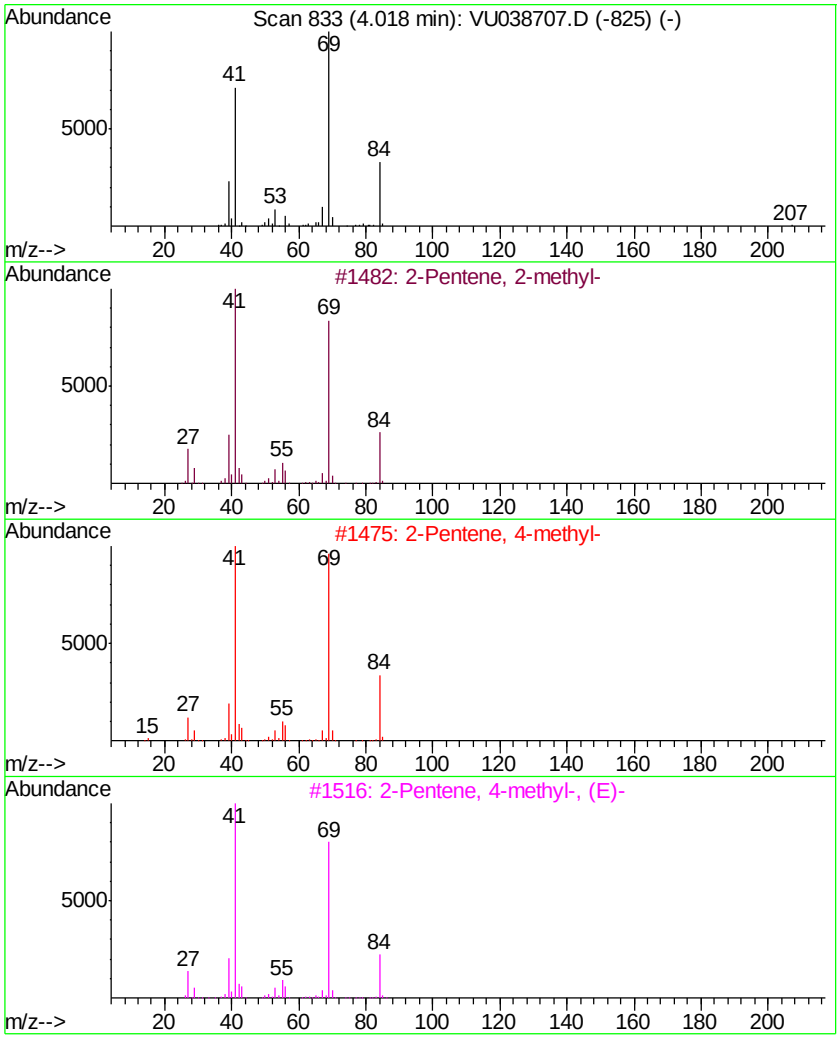
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

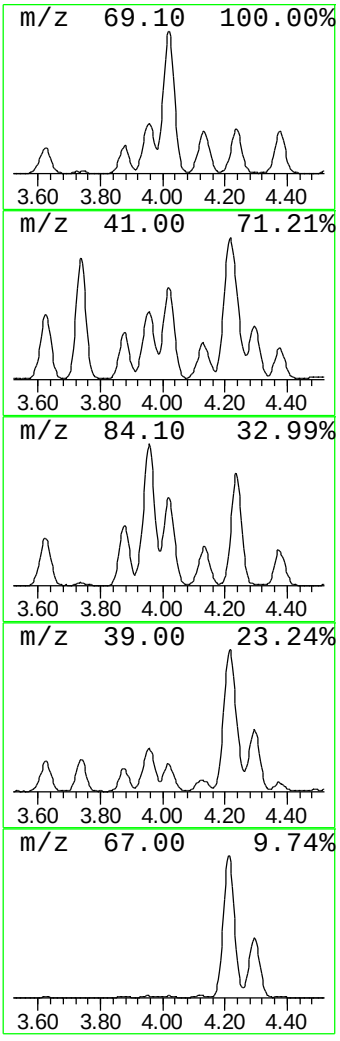
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	10.37 ug/L	340061	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
2	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86
3	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	86
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	83
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	78





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

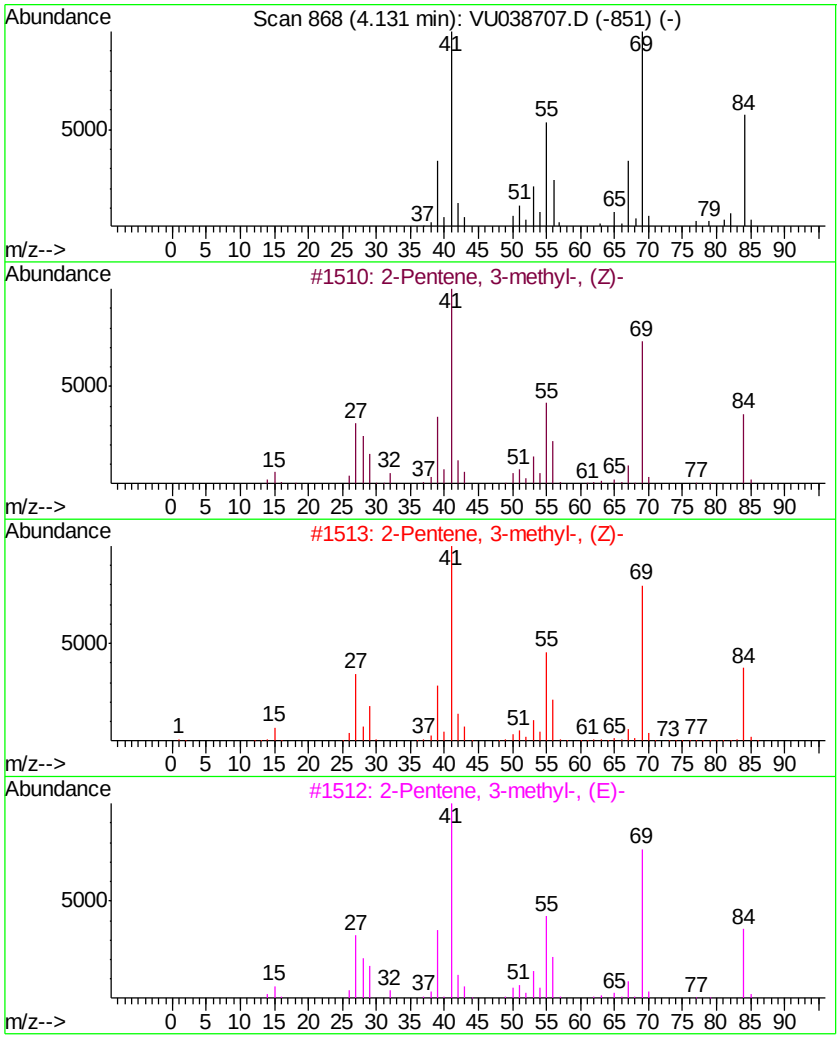
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

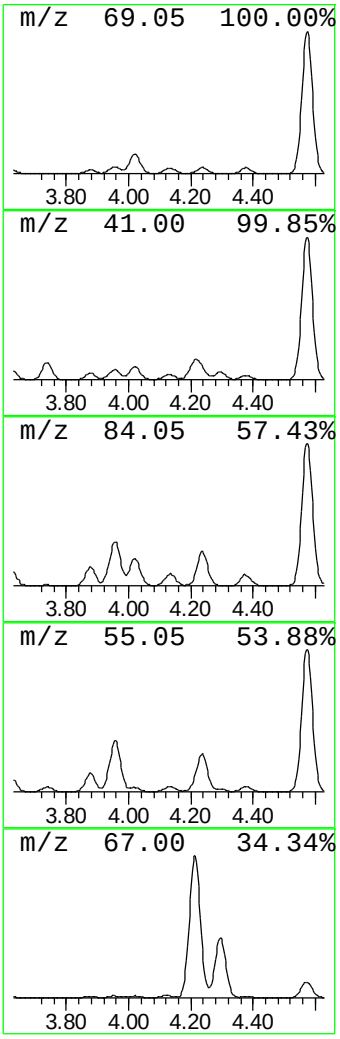
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	5.52 ug/L	181117	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	87
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	81
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	81
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	72
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	68





Library Search Compound Report

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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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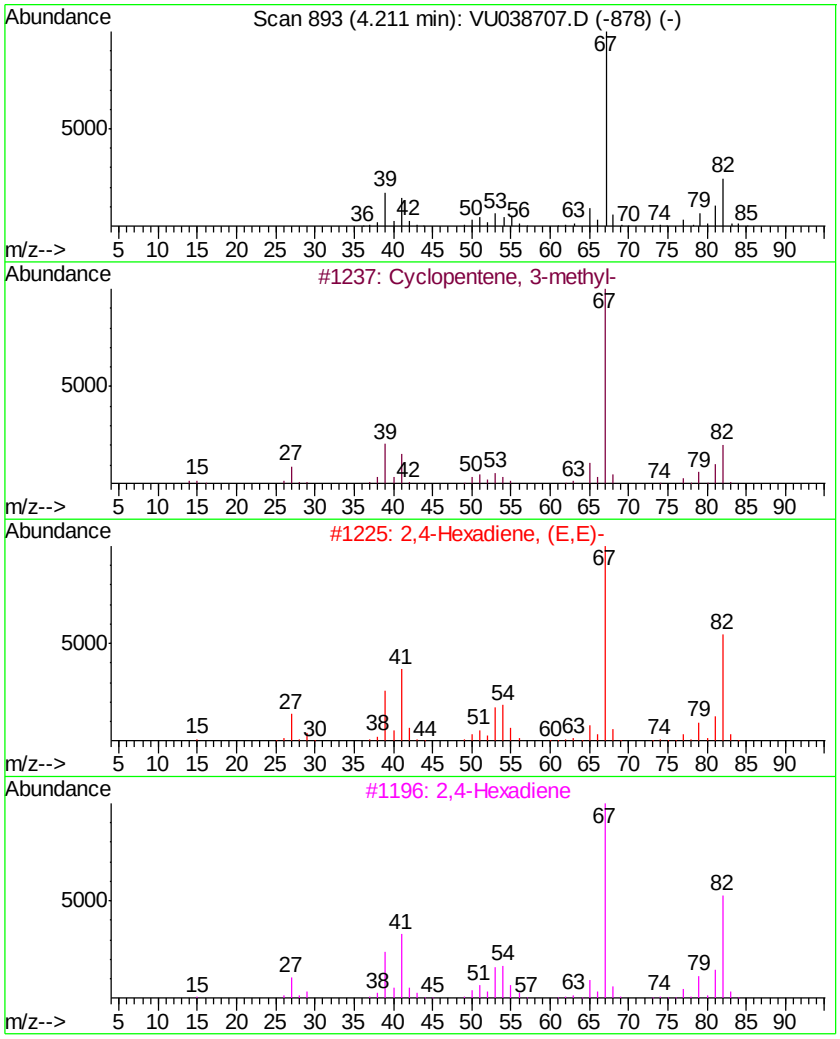
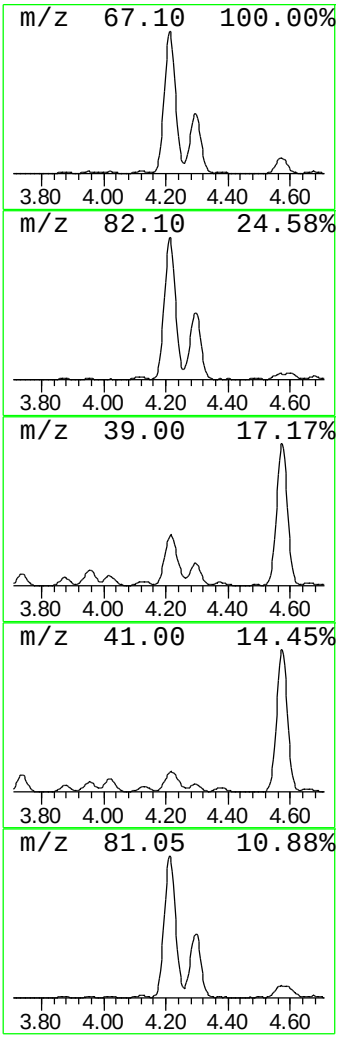
Peak Number 22 Cyclopentene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	67.22 ug/L	2205090	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
2	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	90
3	2,4-Hexadiene	82	C6H10	000592-46-1	90
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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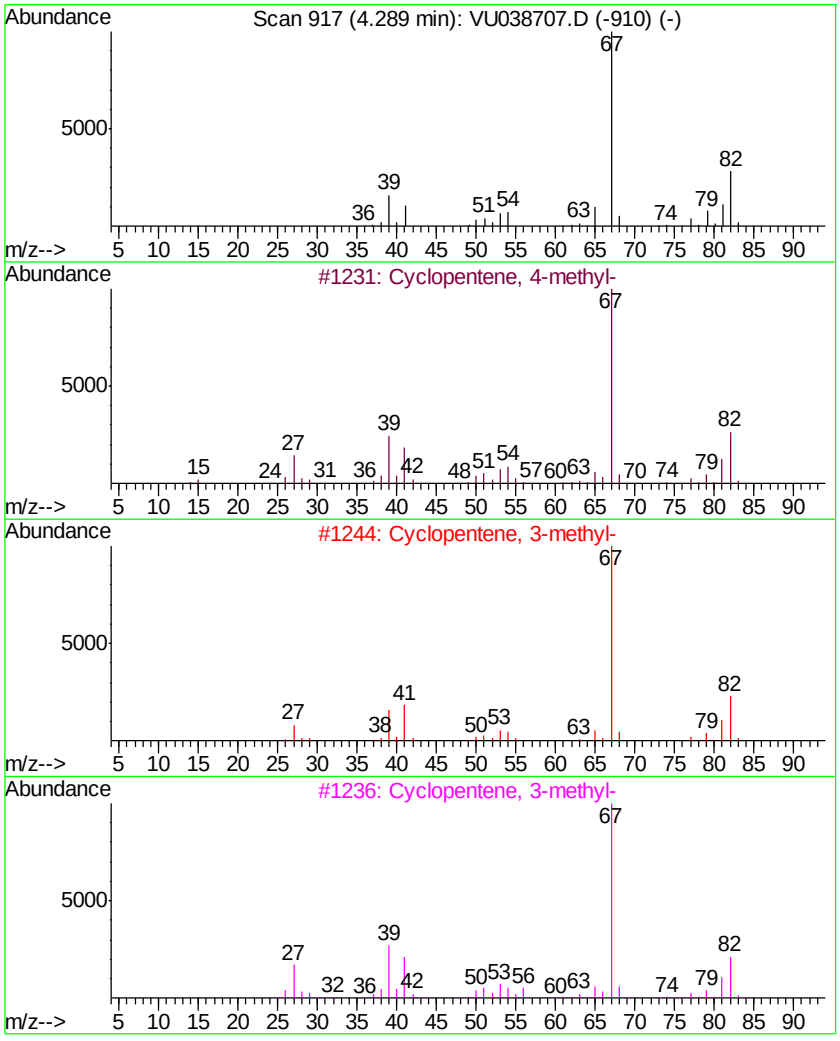
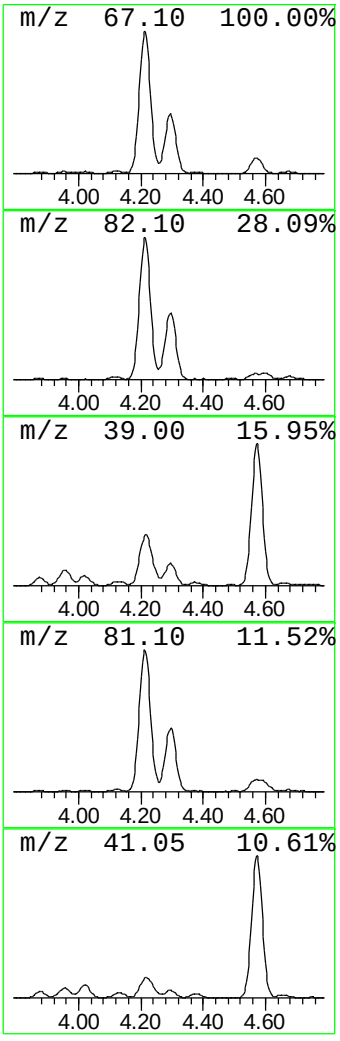
Peak Number 23 Cyclopentene, 4-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.29	22.67 ug/L	743746	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	91
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86
5	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	80





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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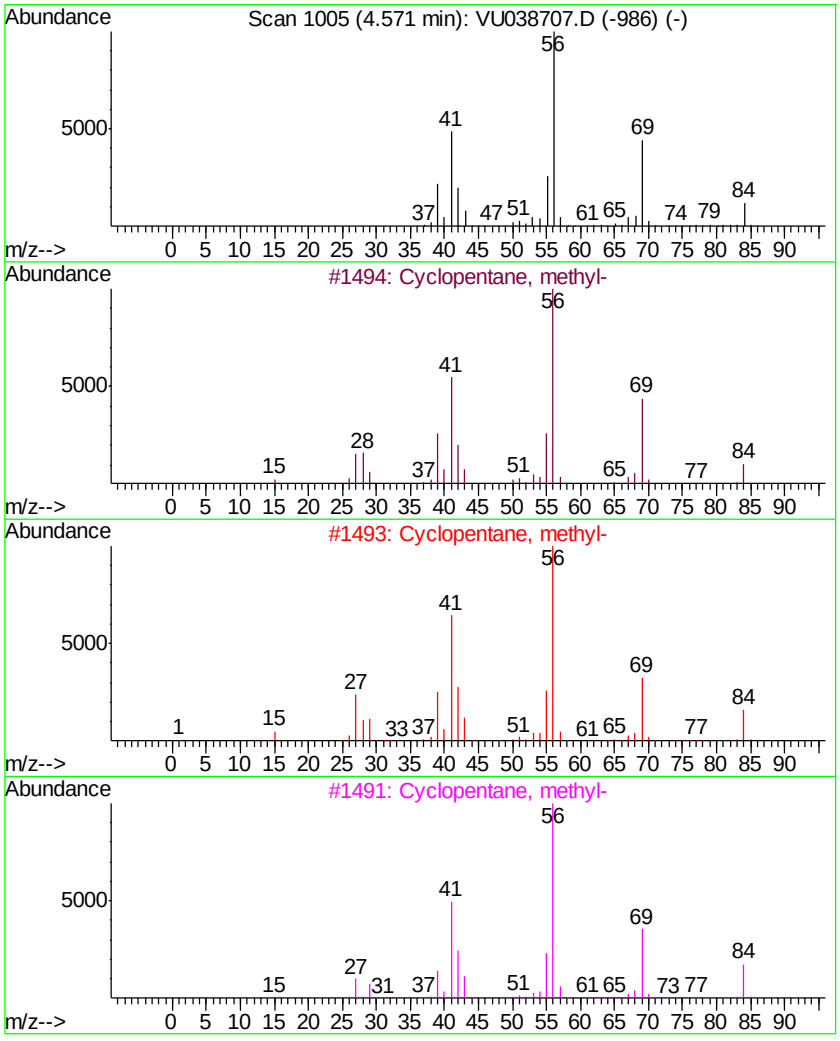
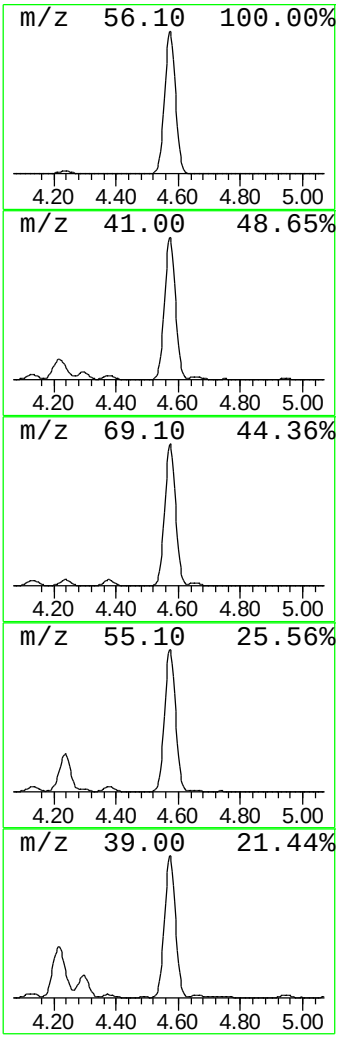
Peak Number 24 (DEL) Alkane: Cyclic4.57 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	183.34 ug/L	6014200	1,4-Difluorobenzene	6.29

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	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80





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Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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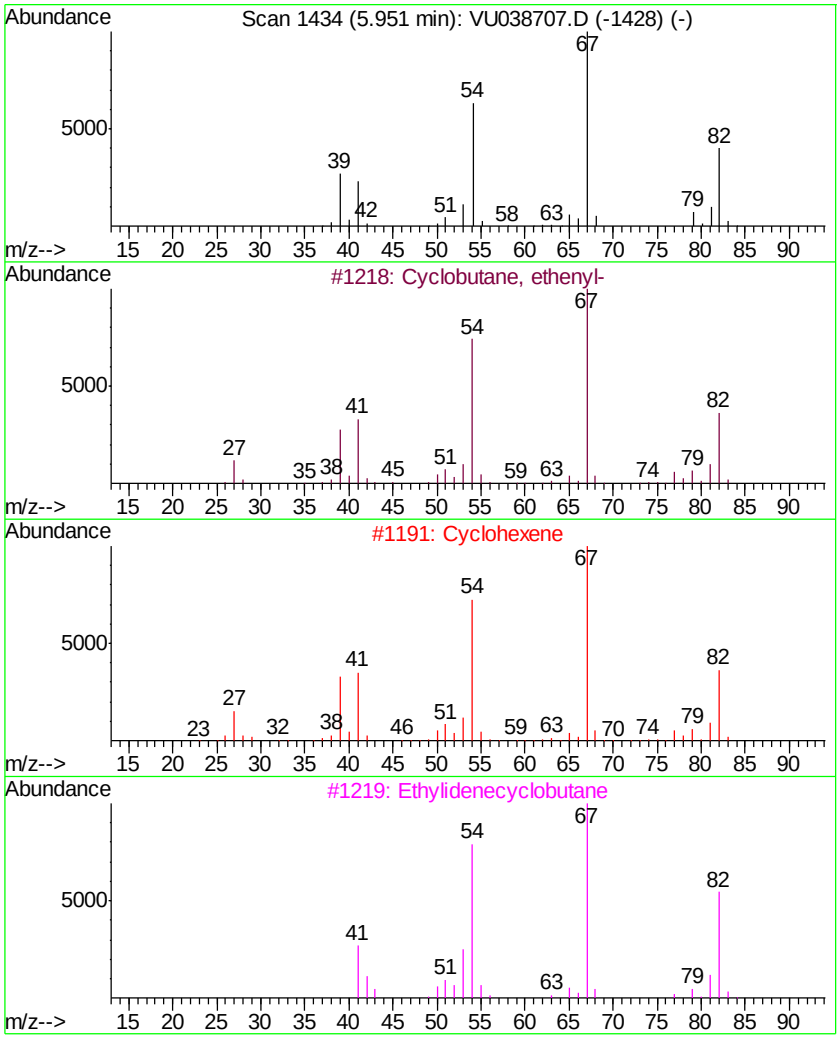
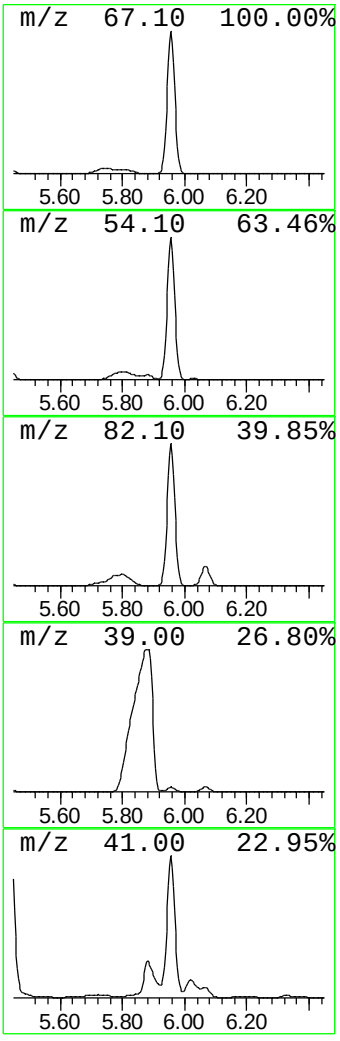
Peak Number 26 Cyclobutane, ethenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	170.46 ug/L	5591620	1,4-Difluorobenzene	6.29

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	Ethylidenecyclobutane	82	C6H10	001528-21-8	87
4	Cyclohexene	82	C6H10	000110-83-8	86
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	72





Library Search Compound Report

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Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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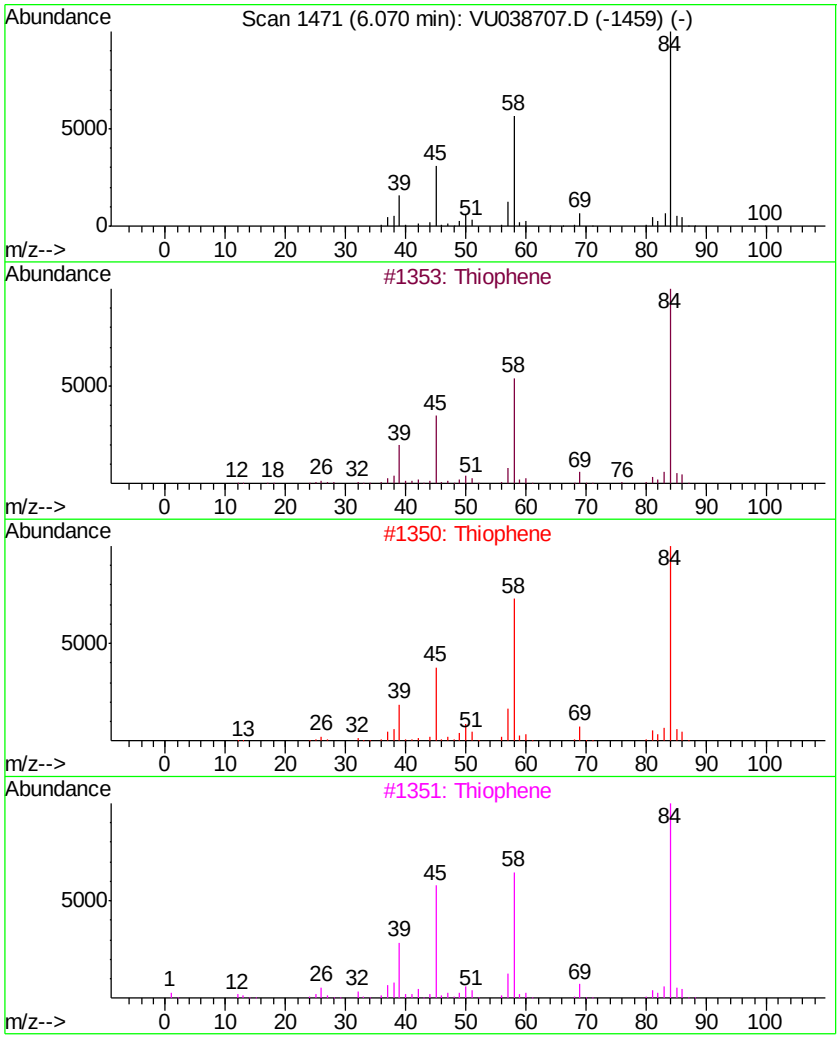
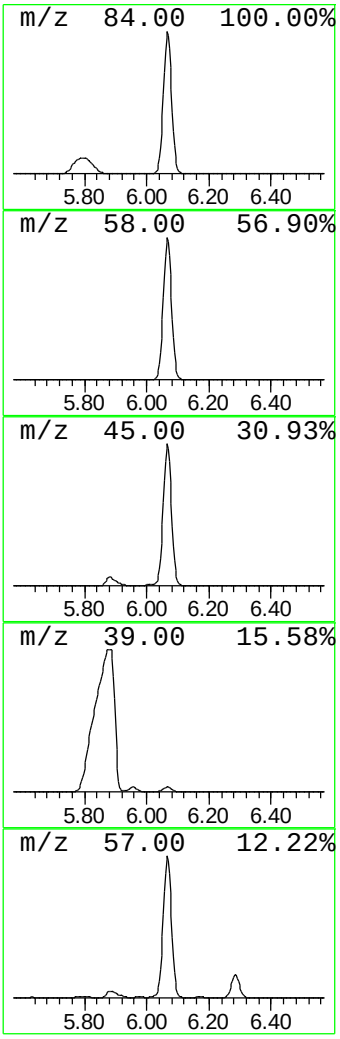
Peak Number 27 Thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	278.00 ug/L	9119630	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	95
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	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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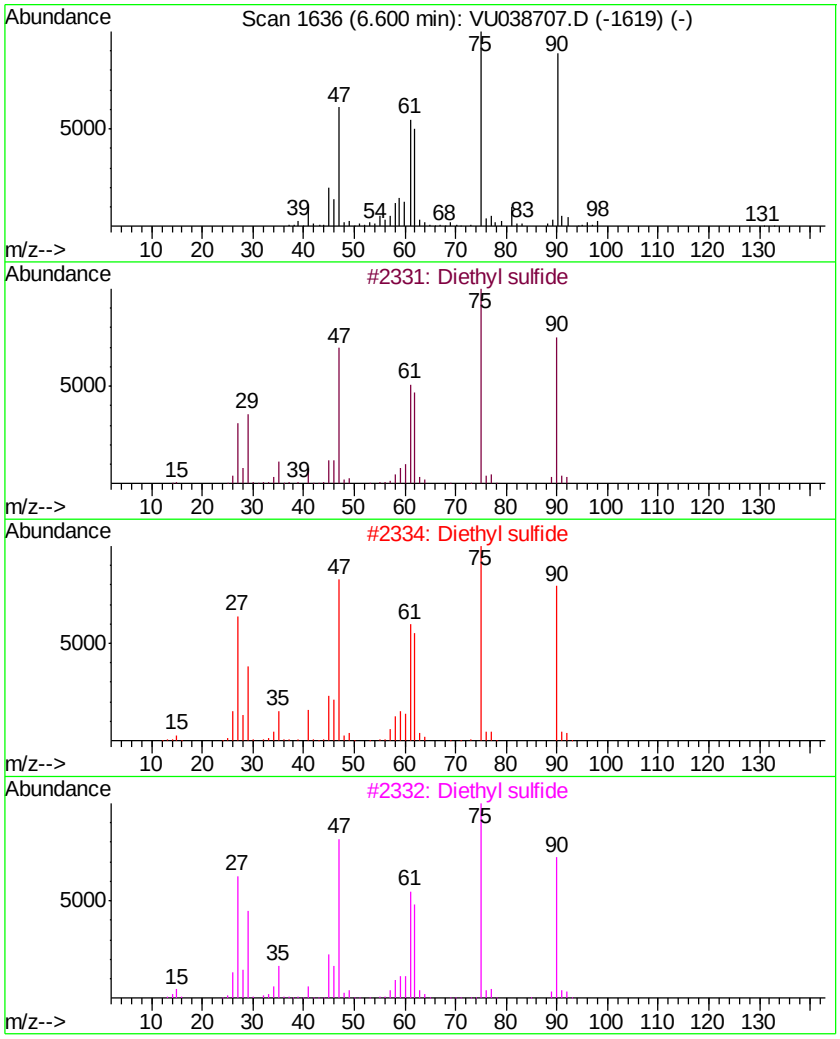
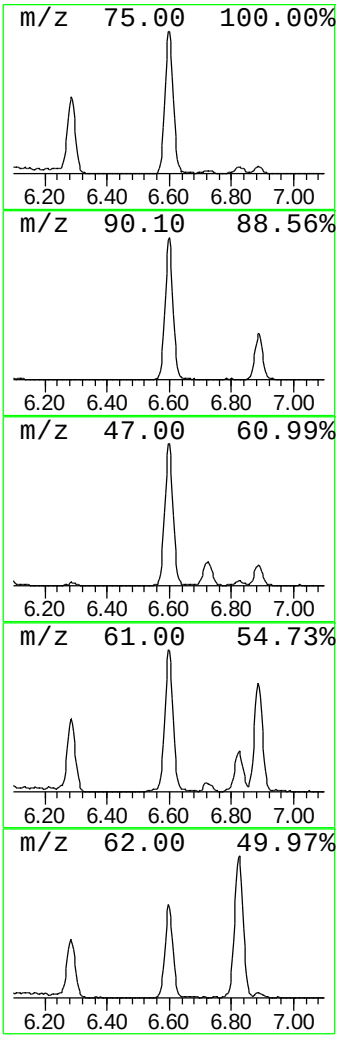
Peak Number 28 Diethyl sulfide Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	13.35 ug/L	437803	1,4-Difluorobenzene	6.29

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	95
3	Diethyl sulfide	90	C4H10S	000352-93-2	91
4	Diethyl sulfide	90	C4H10S	000352-93-2	91
5	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	50





Library Search Compound Report

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Data File : VU038707.D
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Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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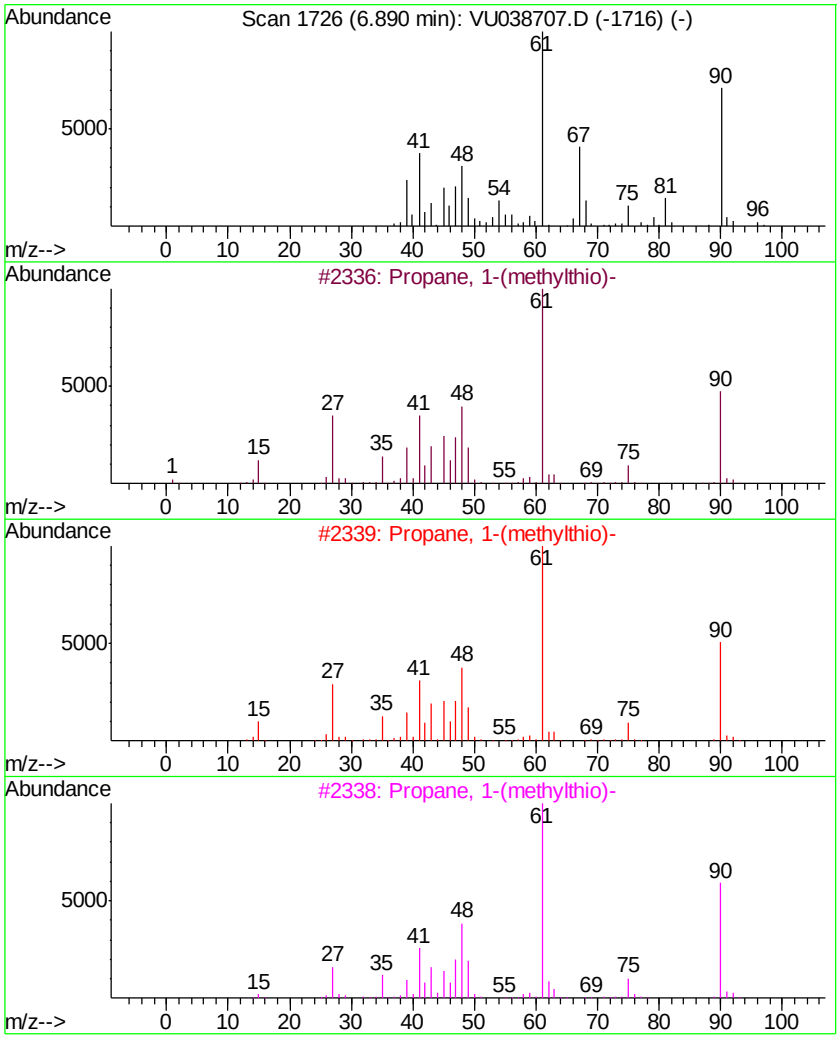
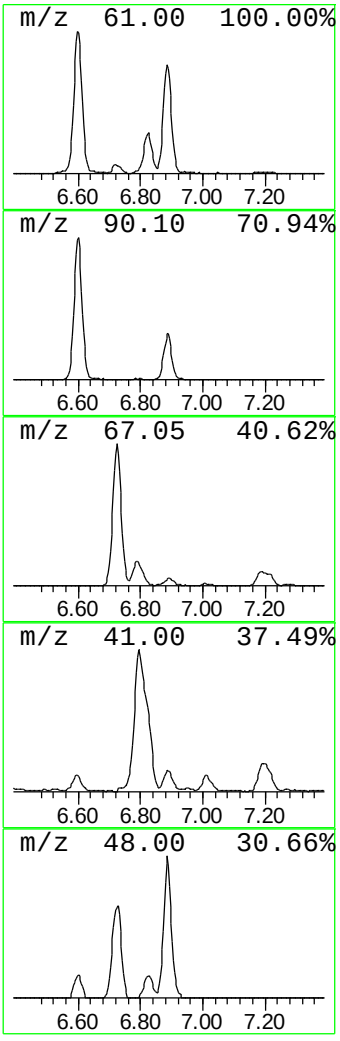
Peak Number 29 Propane, 1-(methylthio)- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	5.68 ug/L	186283	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	68
2	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	64
3	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	53
4	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	50
5	Ethanol, 2-(methylthio)-	92	C3H8OS	005271-38-5	43





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

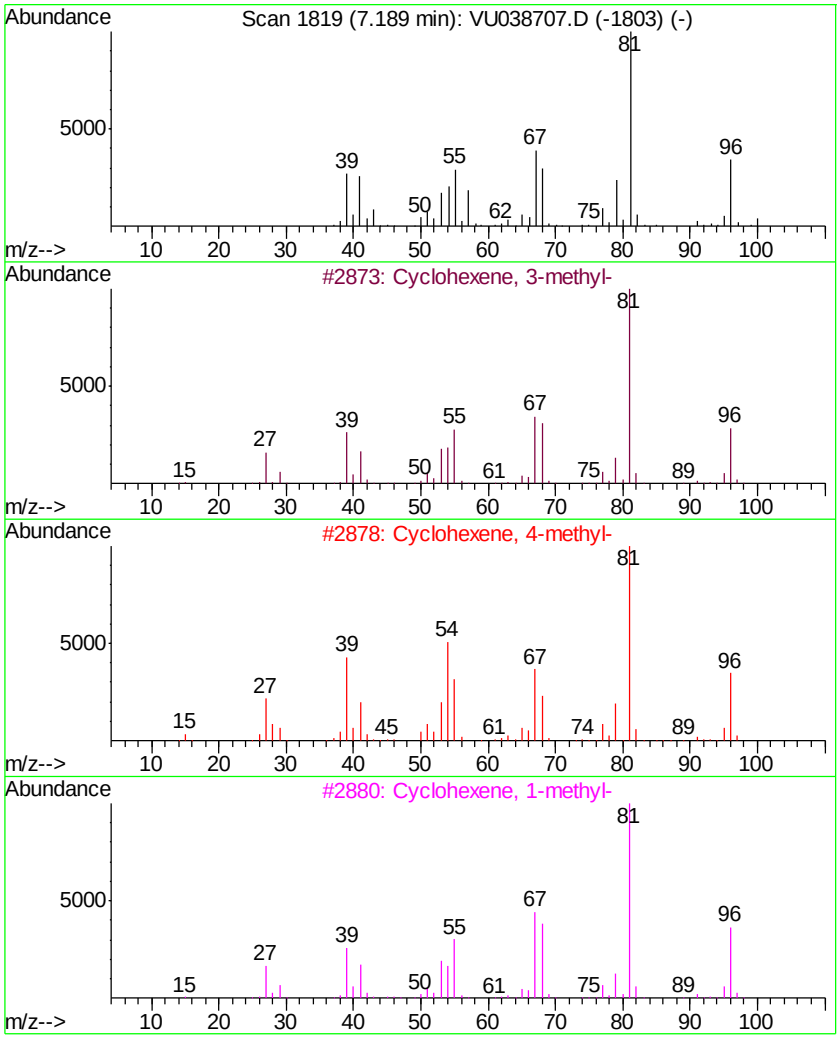
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

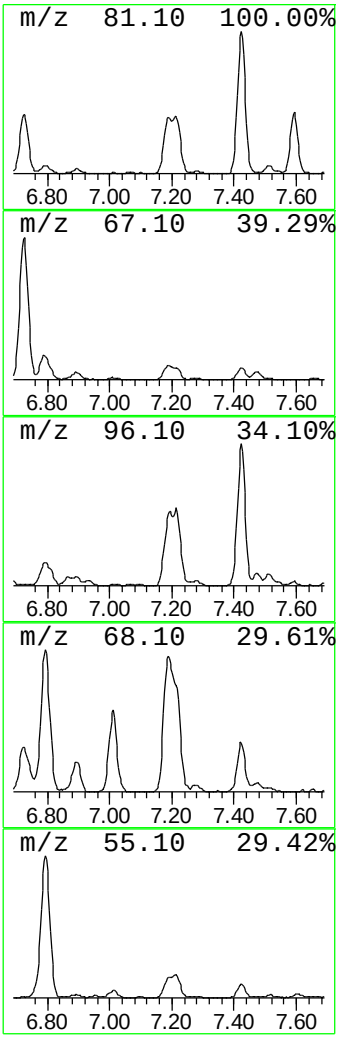
****

Peak Number 30 Cyclohexene, 3-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	8.69 ug/L	285052	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	93
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	81
5	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	74





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

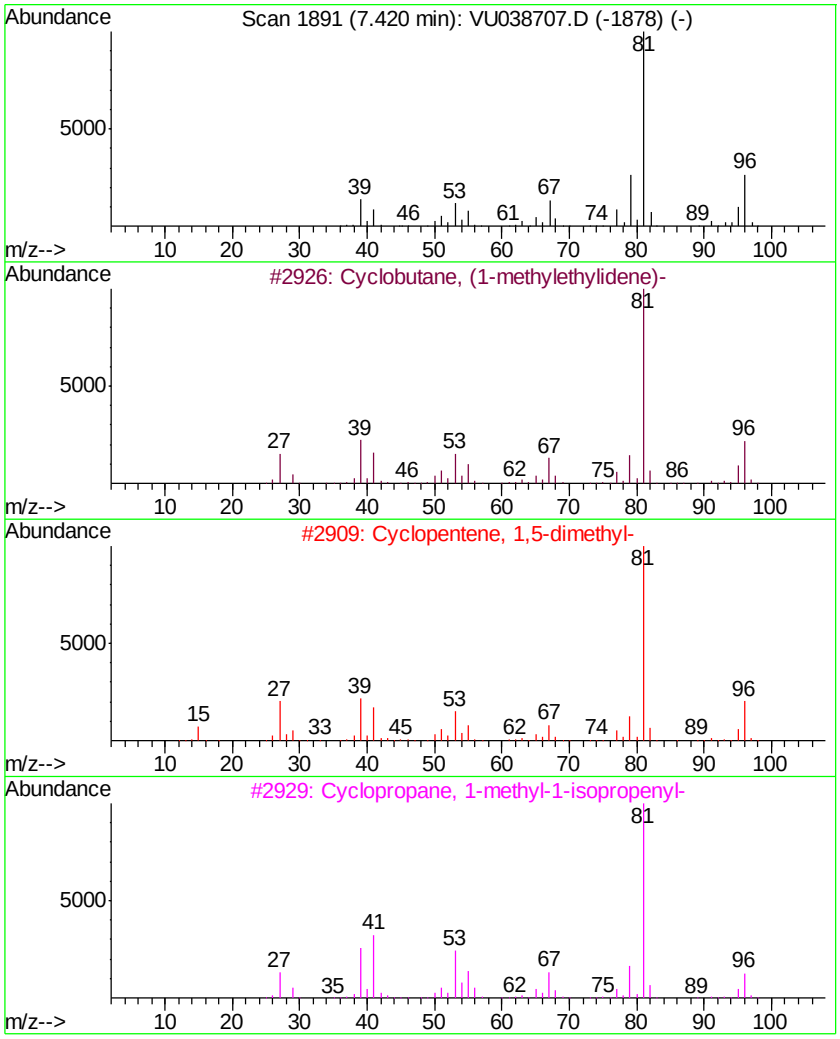
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

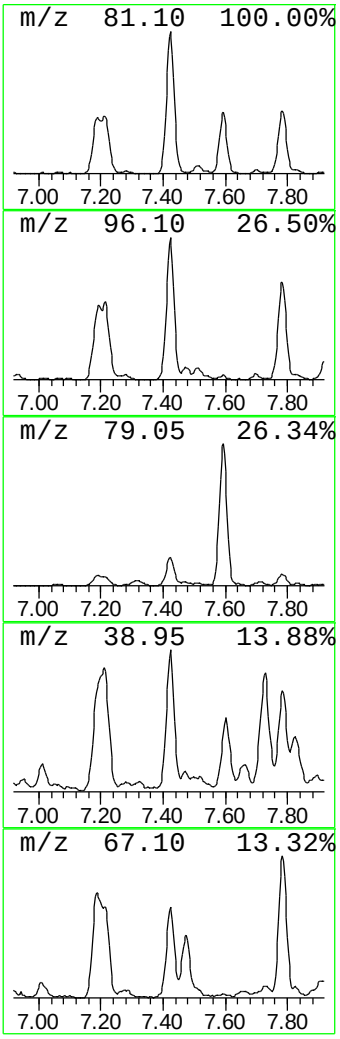
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Cyclobutane, (1-methylethyl... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	13.88 ug/L	455373	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
4	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	72
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	72





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

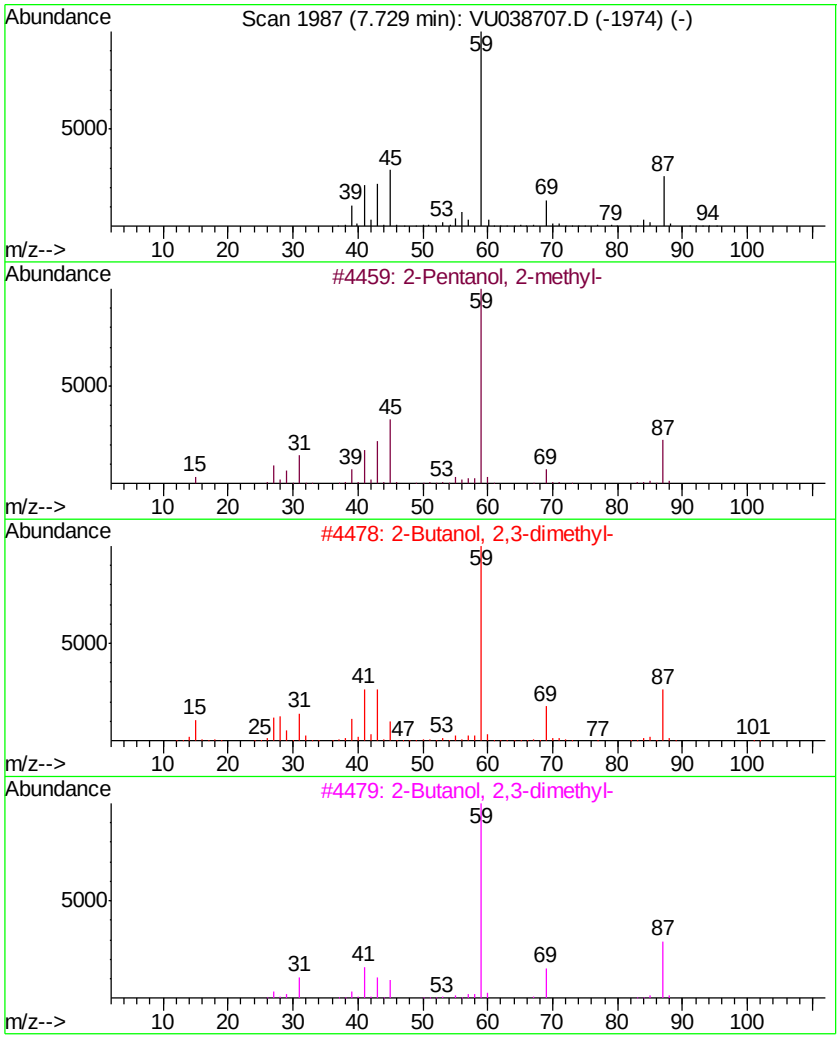
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

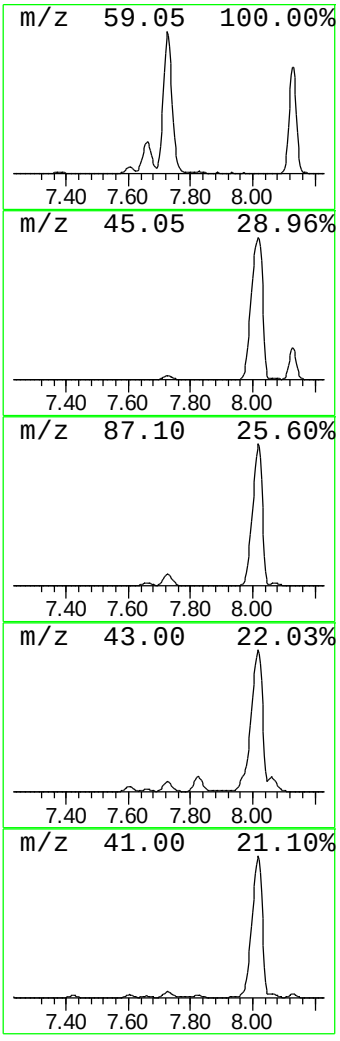
****

Peak Number 33 2-Pentanol, 2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	17.53 ug/L	575073	1,4-Difluorobenzene	6.29

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	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	53
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

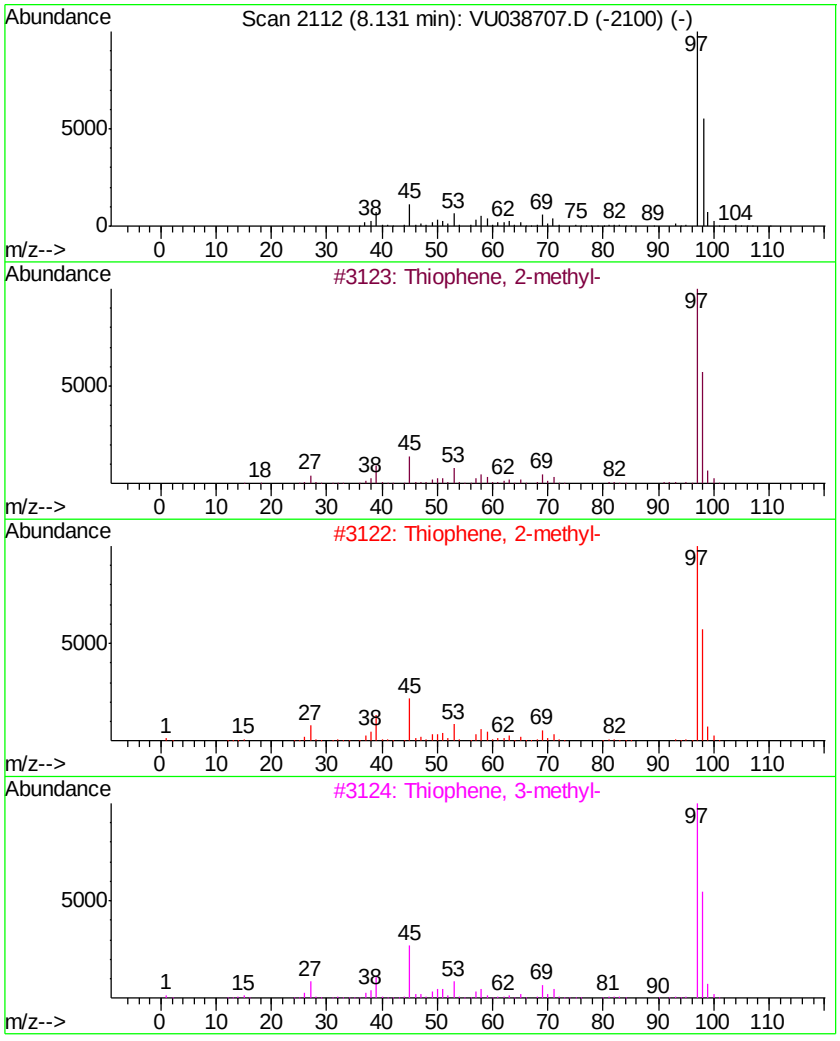
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

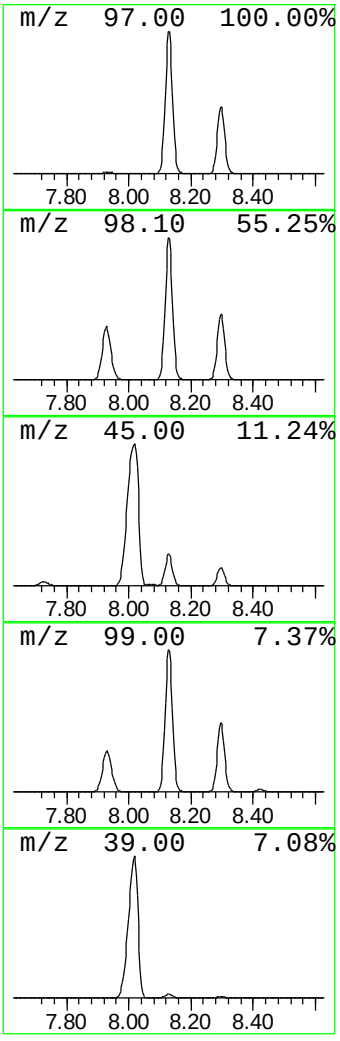
****

Peak Number 34 Thiophene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	206.66 ug/L	8770090	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





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

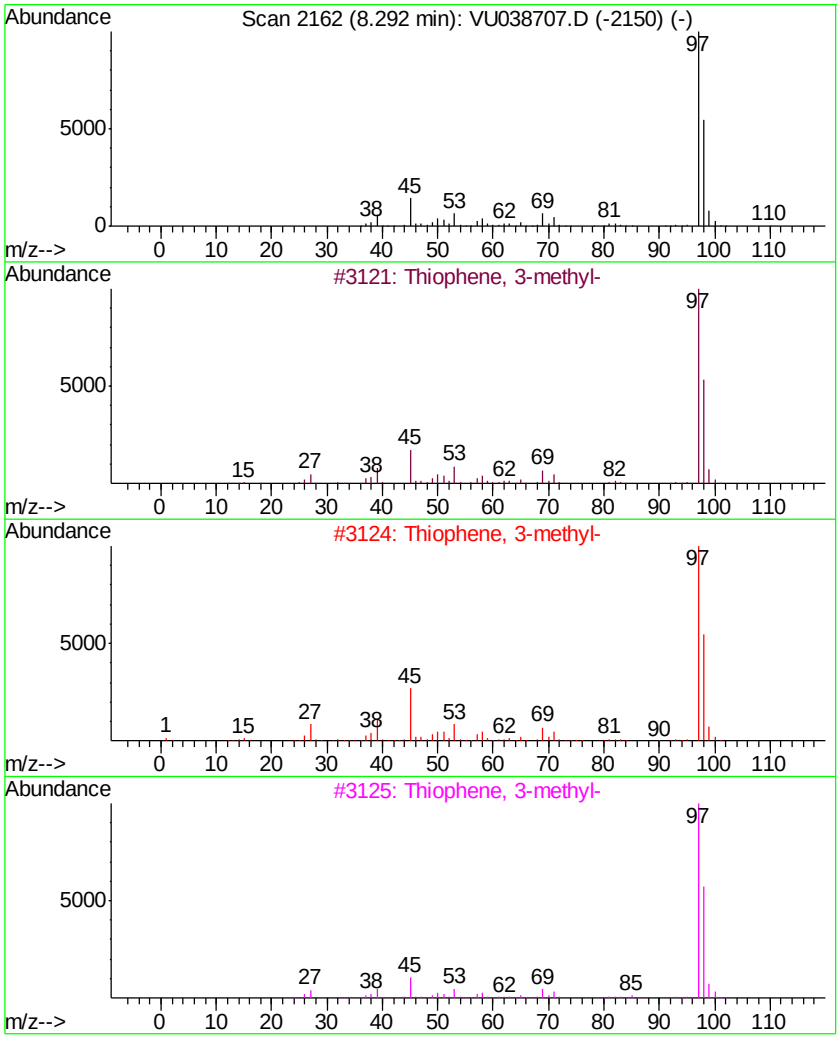
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

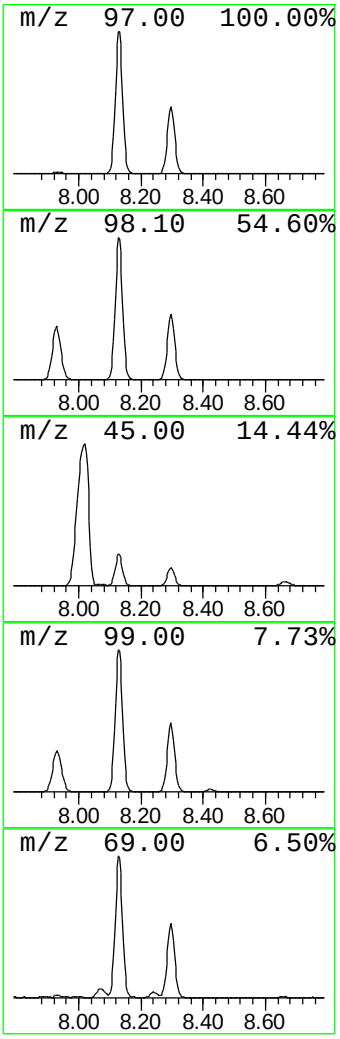
****

Peak Number 35 Thiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	93.56 ug/L	3970230	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, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	70





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

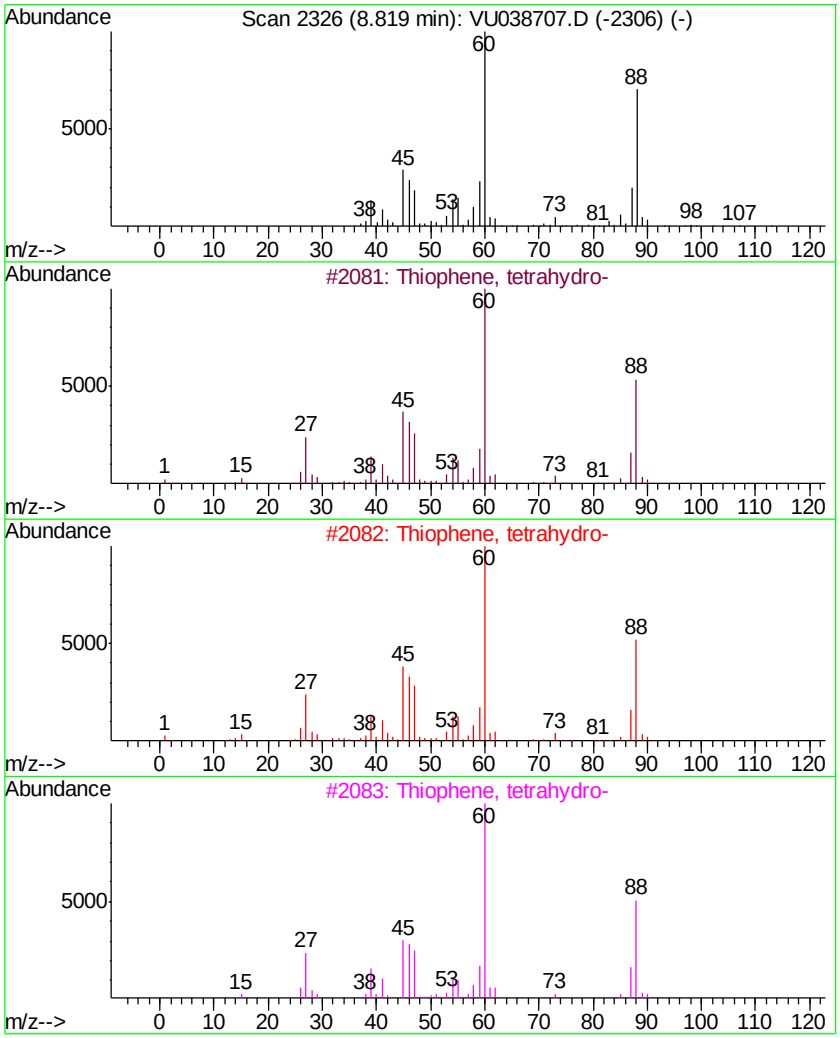
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

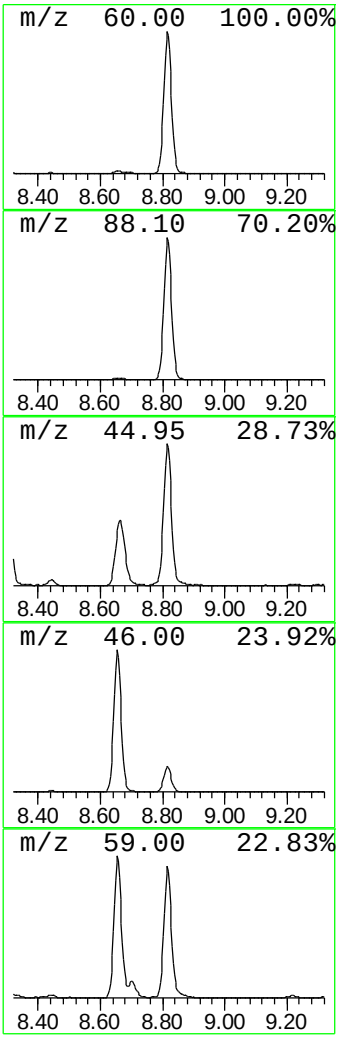
****

Peak Number 36 Thiophene, tetrahydro- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	40.43 ug/L	1715630	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	Phospholane	88	C4H9P	003466-00-0	72
5	Thietane, 2-methyl-	88	C4H8S	017837-41-1	68





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

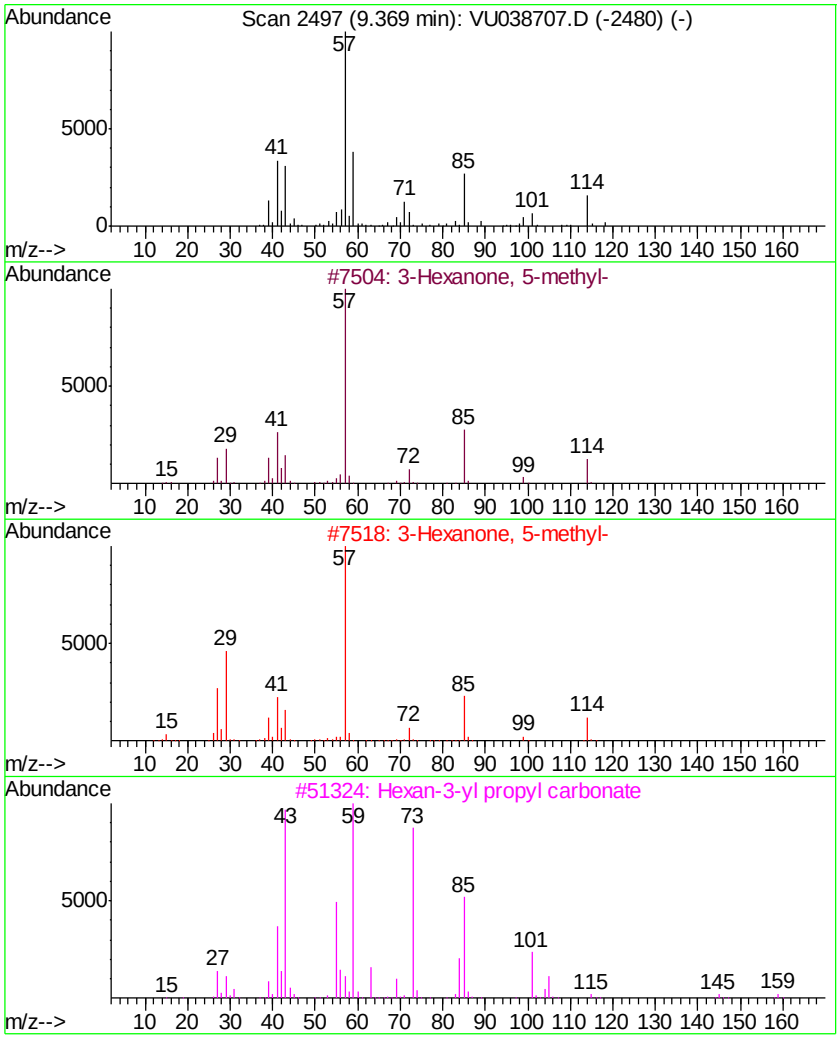
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

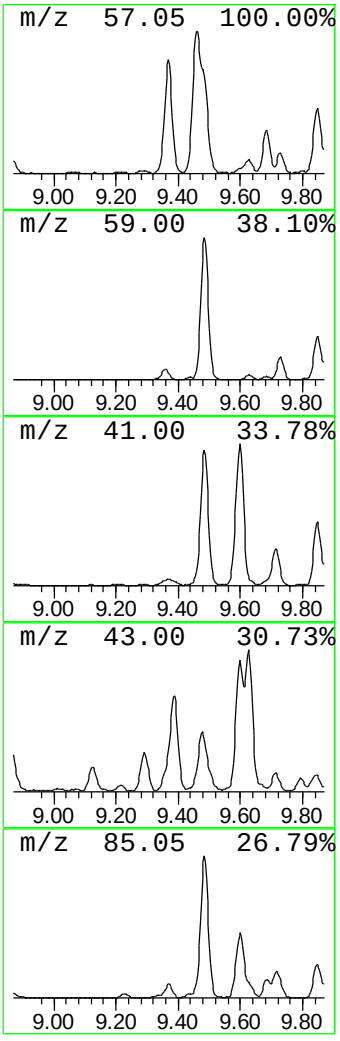
****

Peak Number 37 unknown-01 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	10.52 ug/L	446603	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	43
2	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	43
3	Hexan-3-yl propyl carbonate	188	C10H20O3	1000372-82-0	40
4	3-Heptanone	114	C7H14O	000106-35-4	27
5	3-Heptanone	114	C7H14O	000106-35-4	27





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

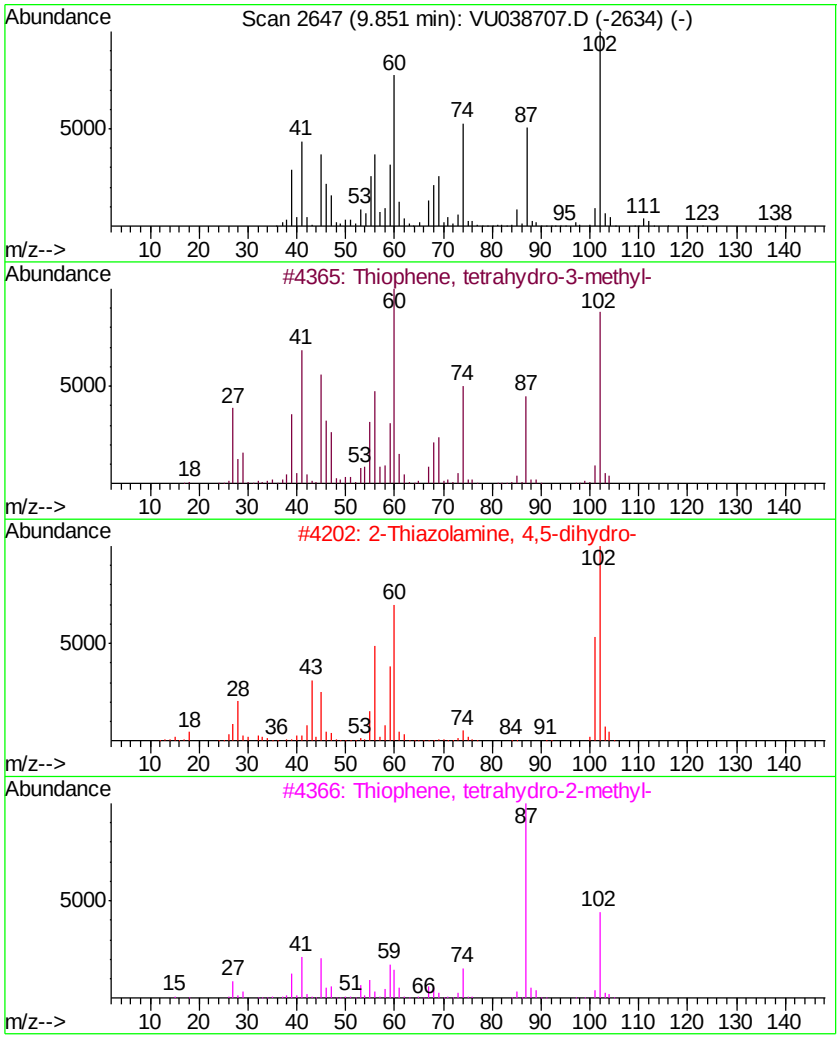
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

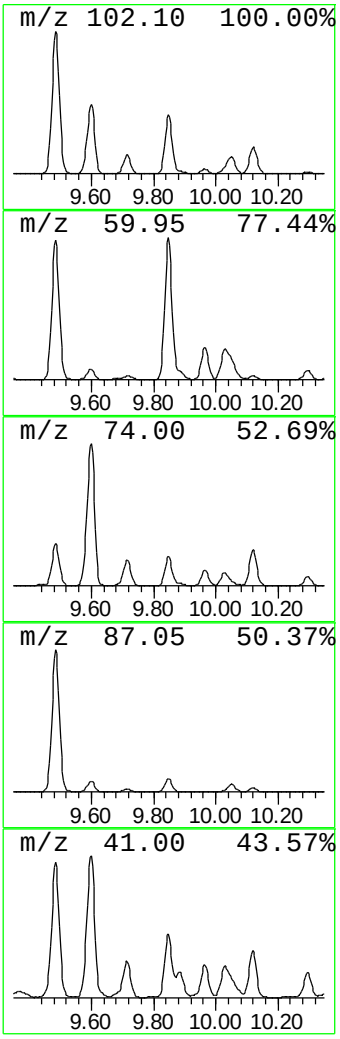
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Thiophene, tetrahydro-3-met... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	80.62 ug/L	3421370	Chlorobenzene-d5	9.44

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	46
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	43
4	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	43
5	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

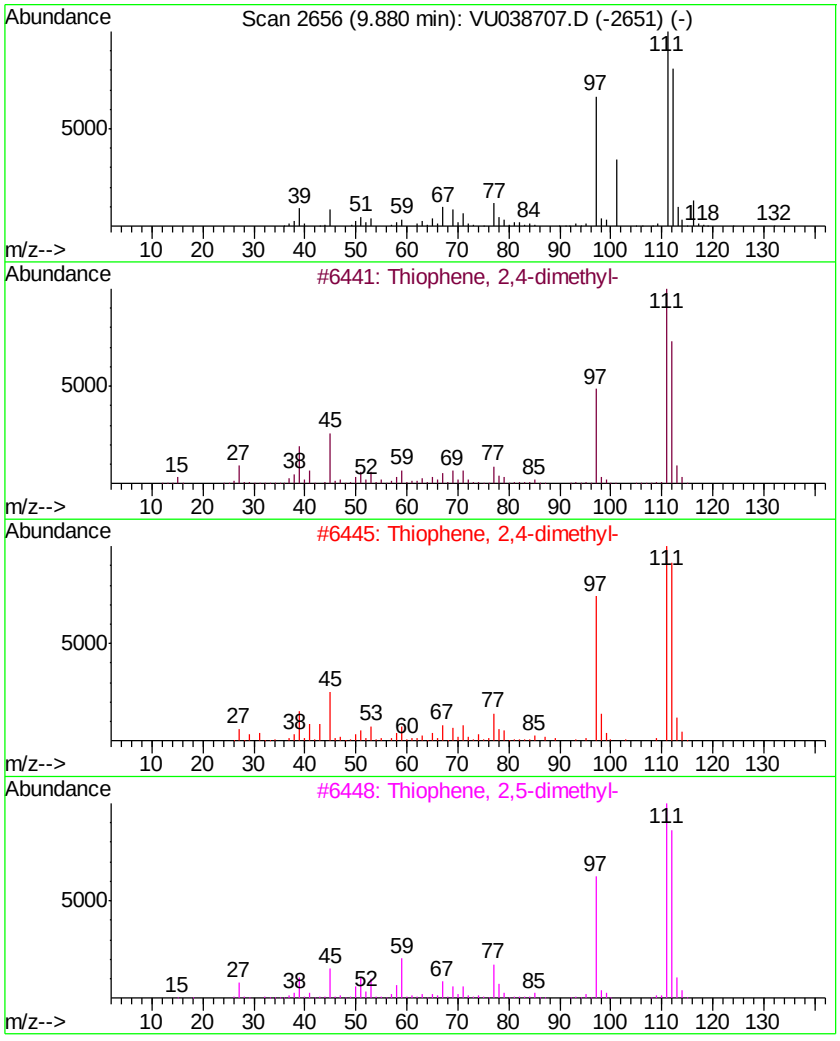
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

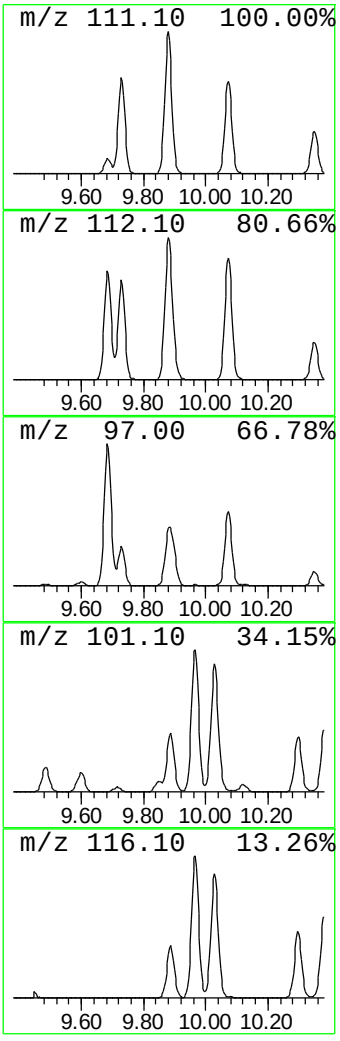
****

Peak Number 39 Thiophene, 2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	88.46 ug/L	3754020	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	80
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	74
3	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	74
4	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	74
5	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	72





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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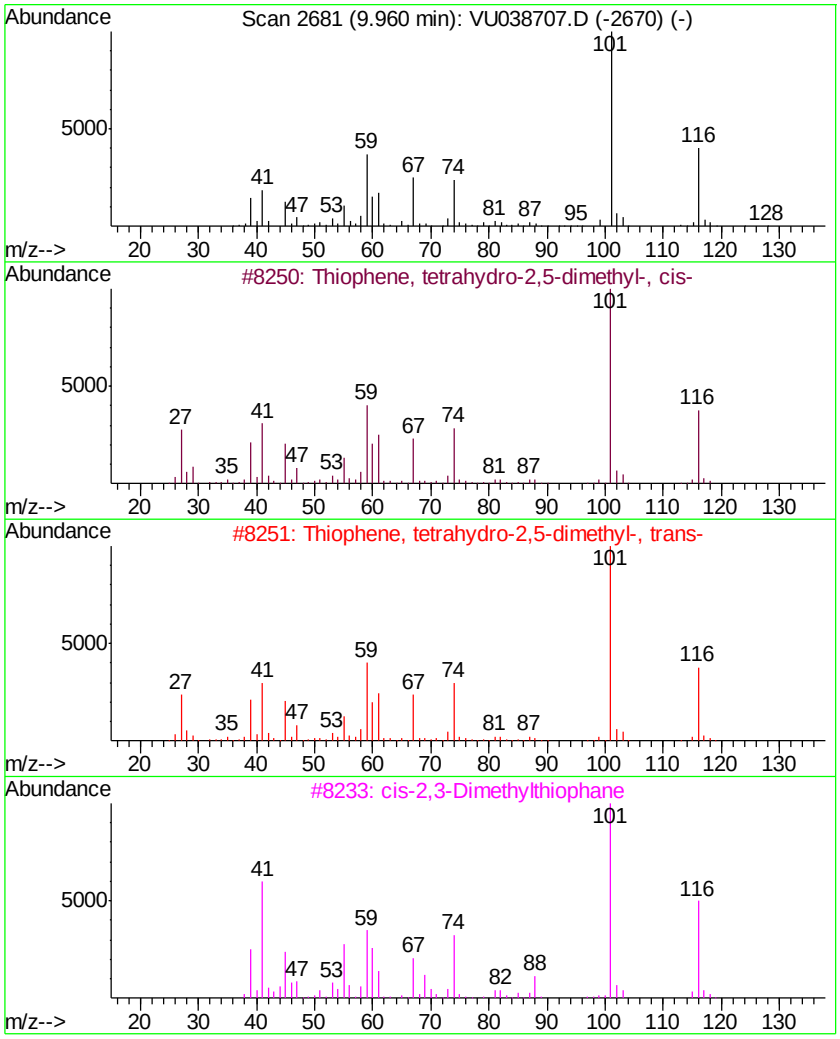
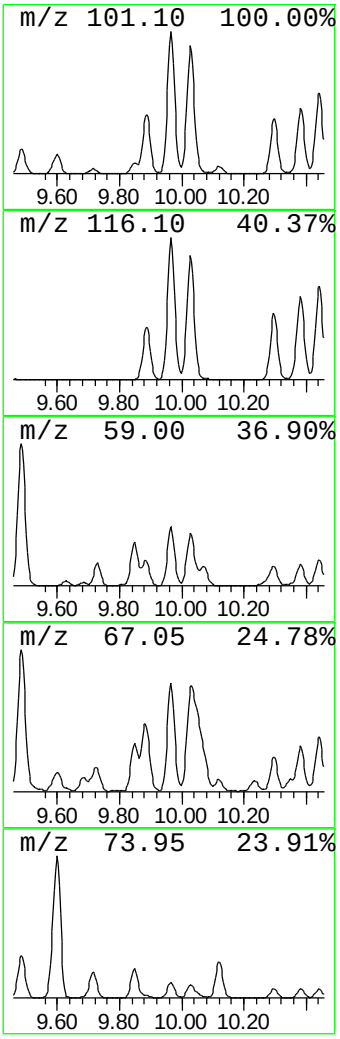
Peak Number 40 Thiophene, tetrahydro-2,5-d... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	54.60 ug/L	2316870	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	94
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	94
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	90
4	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	68
5	Allylthiourea	116	C4H8N2S	000109-57-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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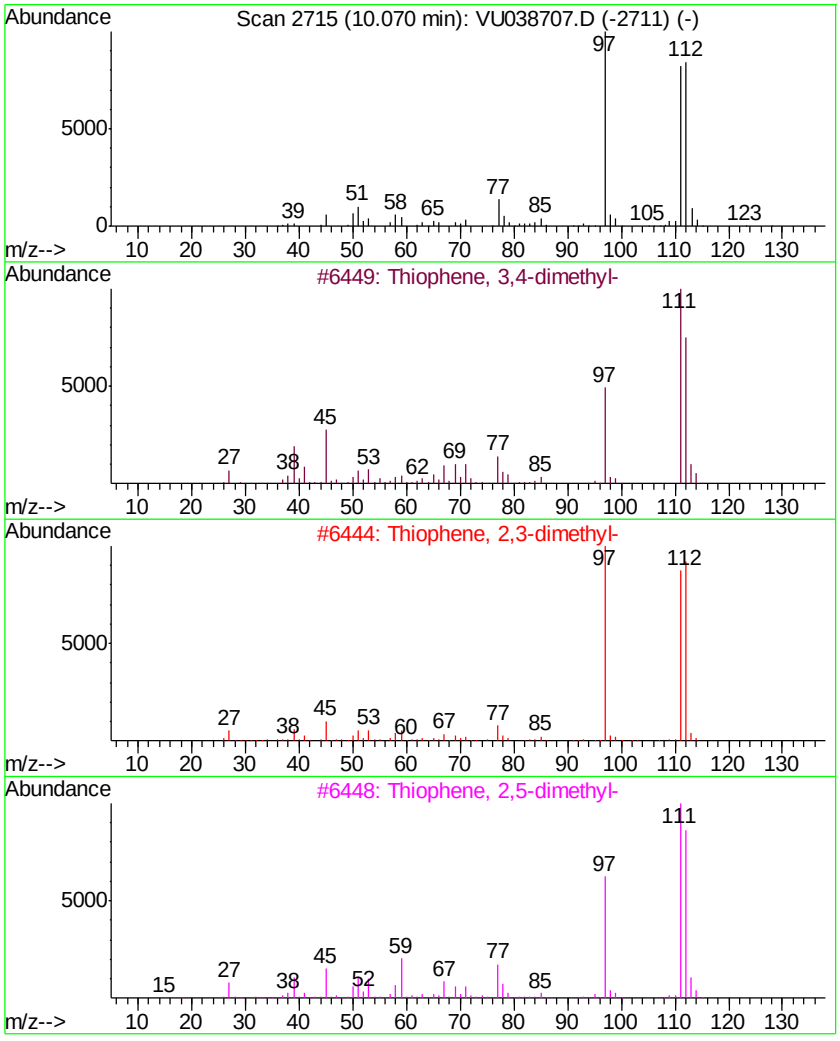
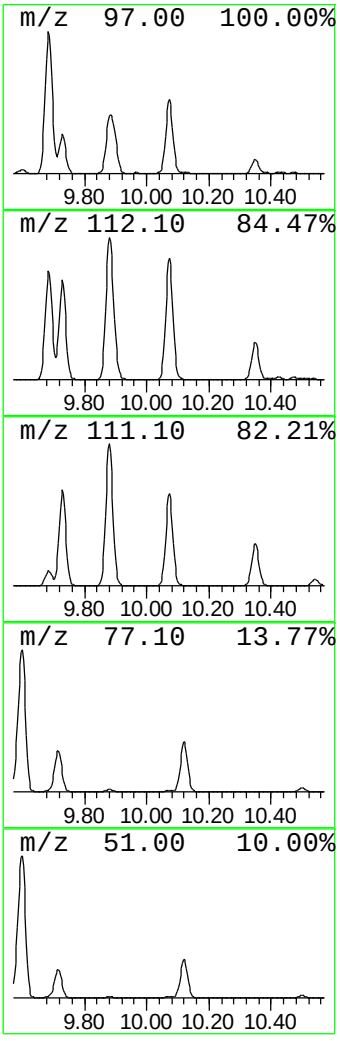
Peak Number 42 Thiophene, 3,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	54.20 ug/L	2299900	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, 2,3-dimethyl-	112	C6H8S	000632-16-6	78
3	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	64
4	2-Pyrazoline, 1,3,4-trimethyl-	112	C6H12N2	014044-41-8	59
5	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	59





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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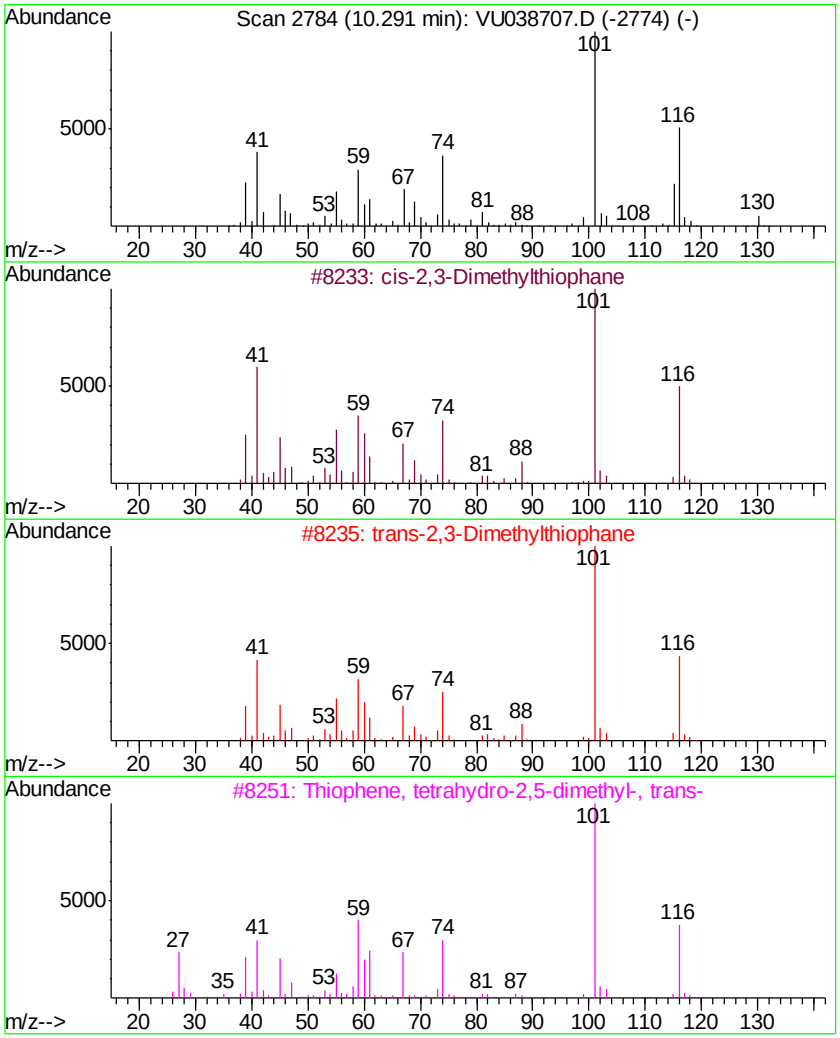
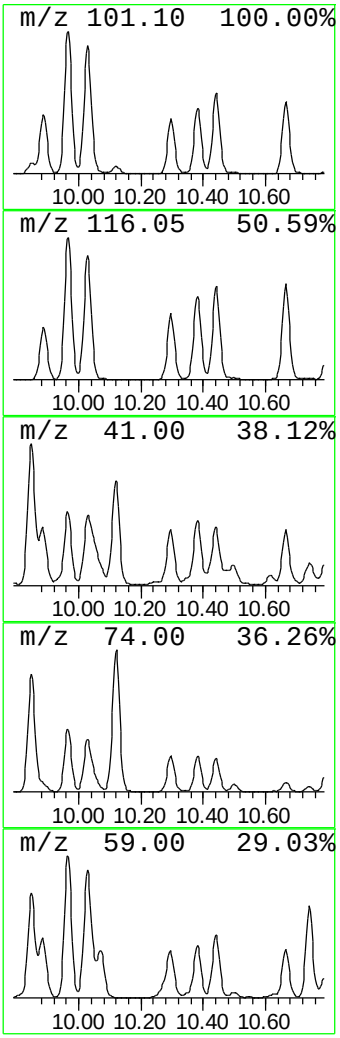
Peak Number 43 cis-2,3-Dimethylthiophane Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	27.50 ug/L	1166980	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	64
4	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	60
5	1,2,4-Thiadiazole, 5-amino-	101	C2H3N3S	007552-07-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

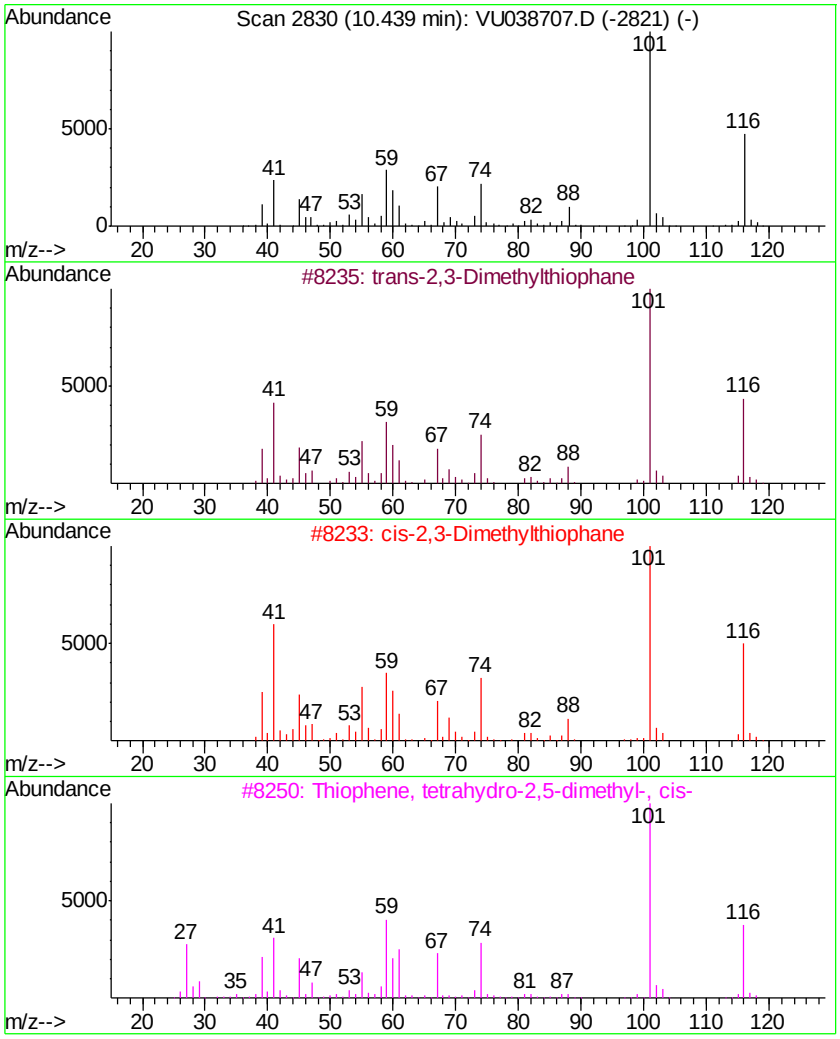
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

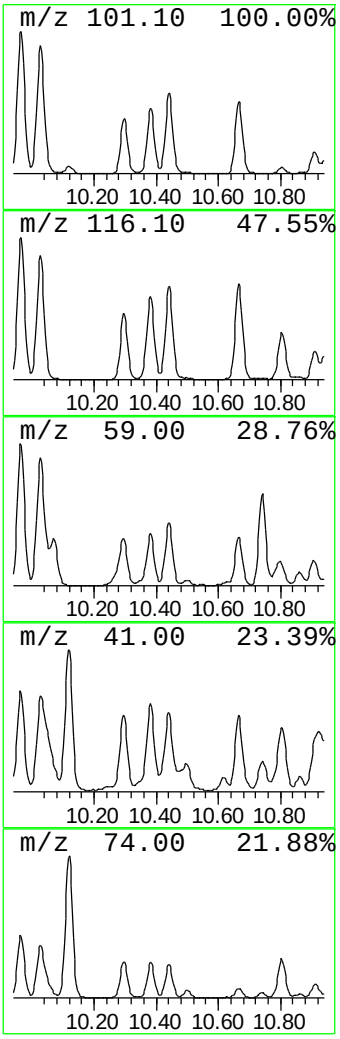
****

Peak Number 46 trans-2,3-Dimethylthiophane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	37.53 ug/L	1592490	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	96
2	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	94
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	83
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	80
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	62





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

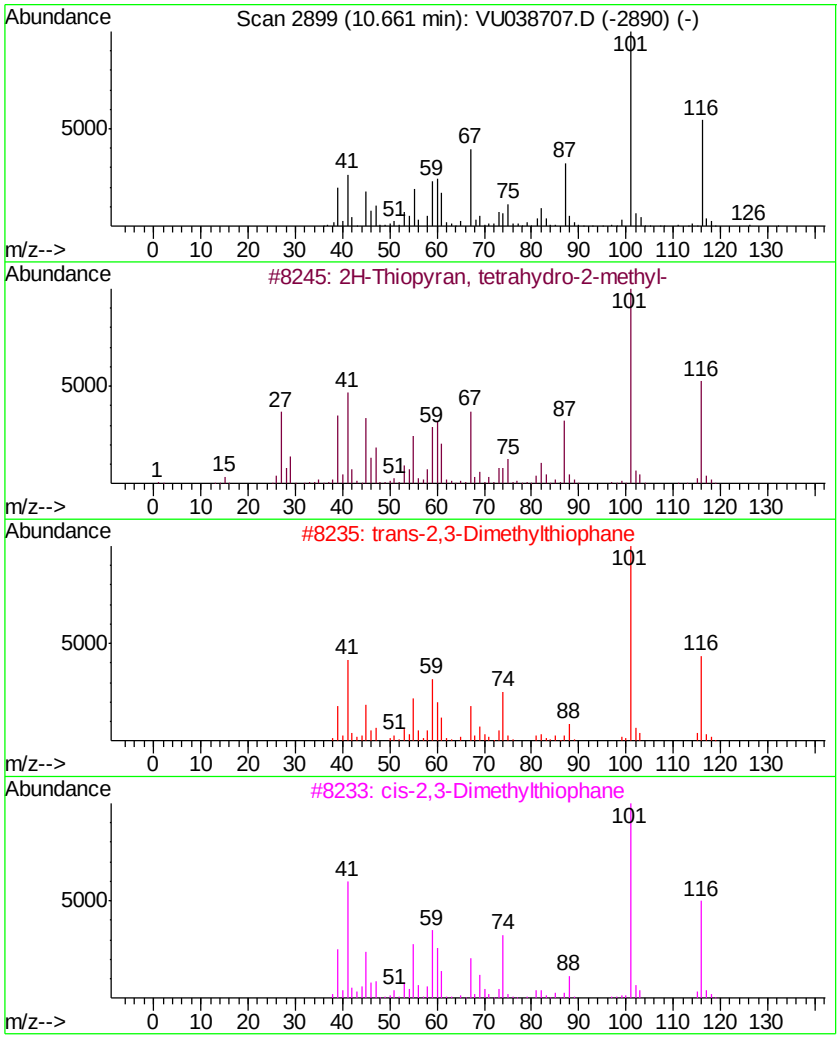
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

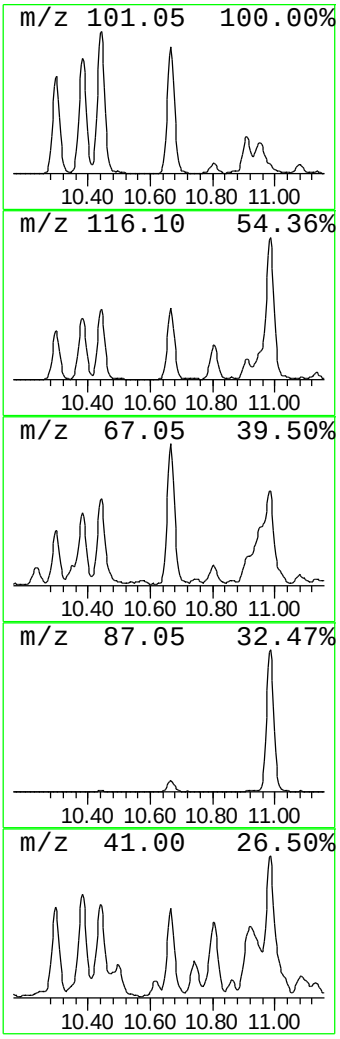
****

Peak Number 47 2H-Thiopyran, tetrahydro-2-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	24.33 ug/L	1448030	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	95
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	86
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	76
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	53
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	46





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

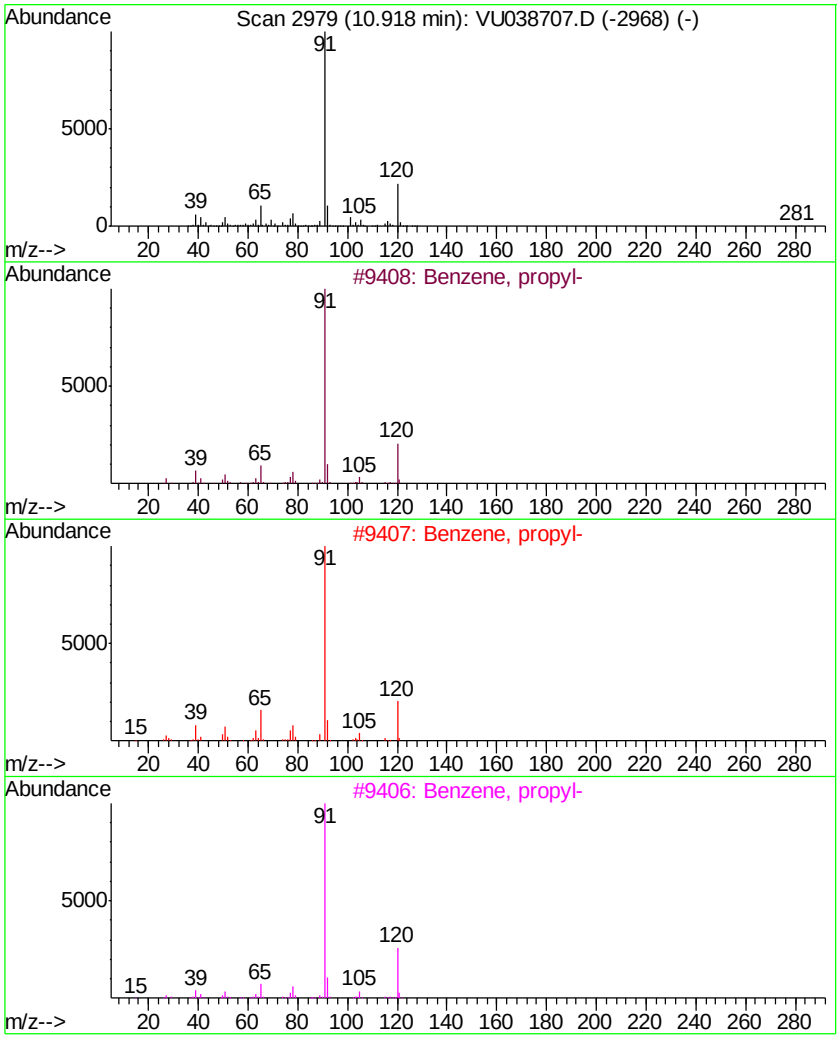
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

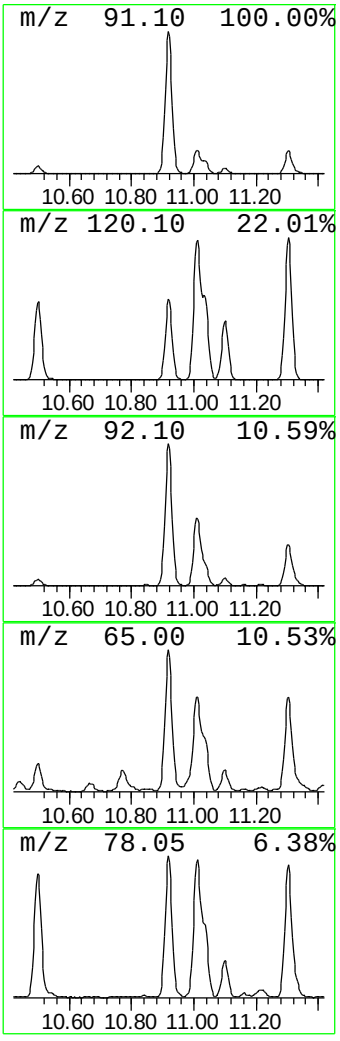
****

Peak Number 48 Benzene, propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	54.93 ug/L	3269810	1,4-Dichlorobenzene-d4	11.82

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	83
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	59
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

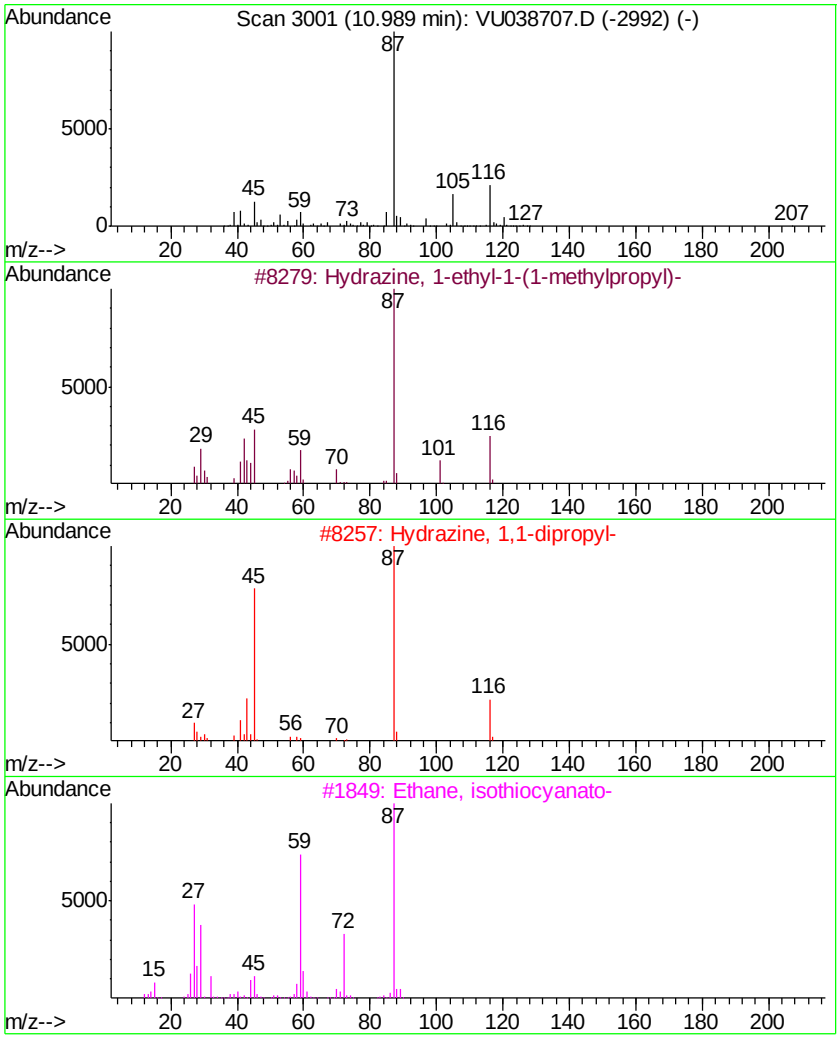
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

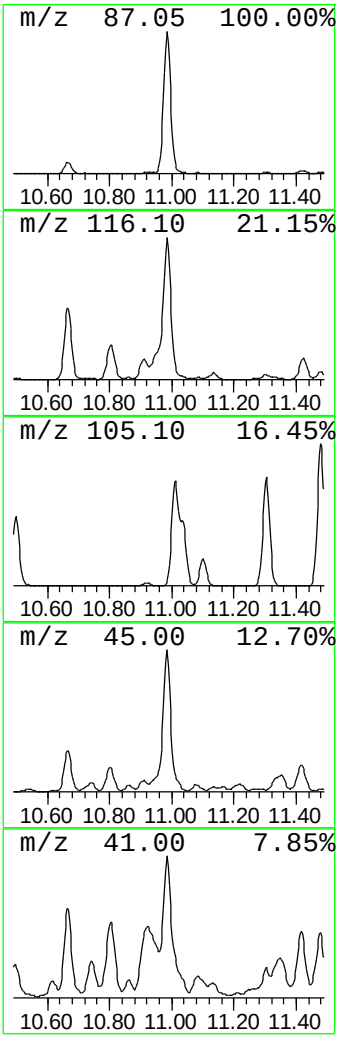
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Hydrazine, 1-ethyl-1-(1-met... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	43.49 ug/L	2588720	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	64
2	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	59
3	Ethane, isothiocyanato-	87	C3H5NS	000542-85-8	53
4	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	38
5	3-Pentanol, 2,3,4-trimethyl-	130	C8H18O	003054-92-0	33





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

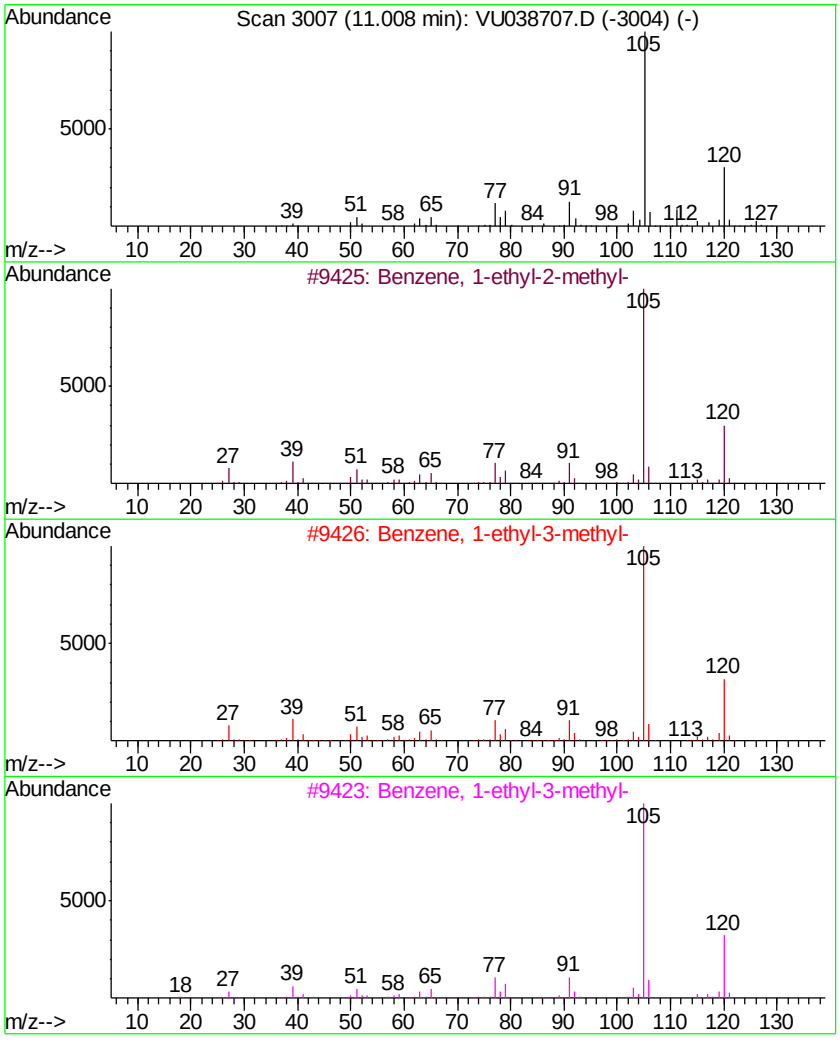
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

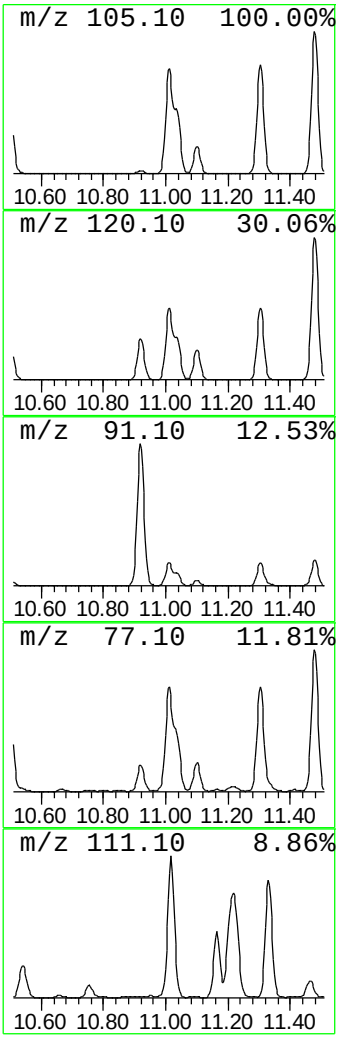
****

Peak Number 50 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	87.68 ug/L	5219440	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





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Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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

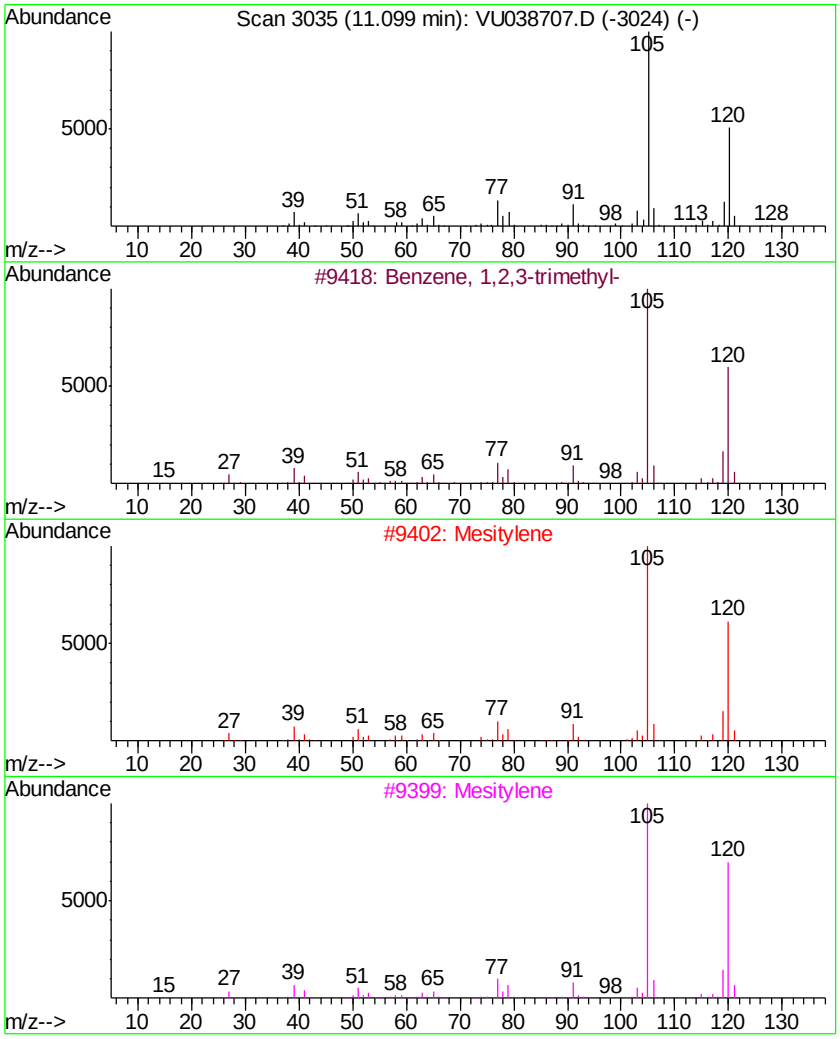
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

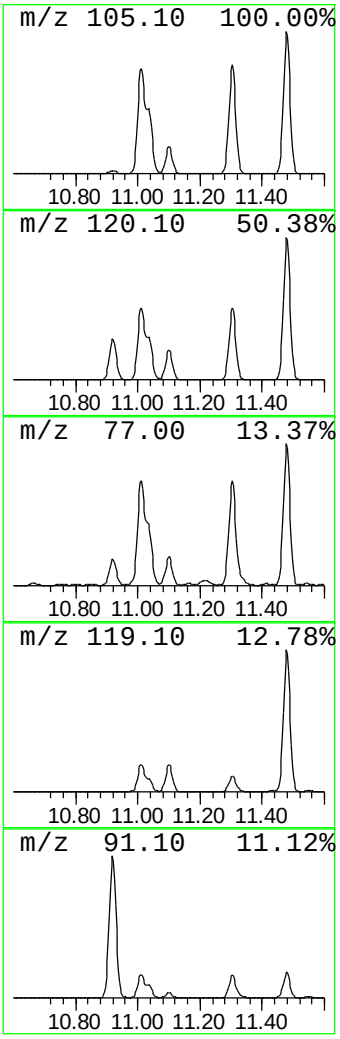
****

Peak Number 51 Benzene, 1,2,3-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	21.00 ug/L	1249870	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Mesitylene	120	C9H12	000108-67-8	97
4	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95





Library Search Compound Report

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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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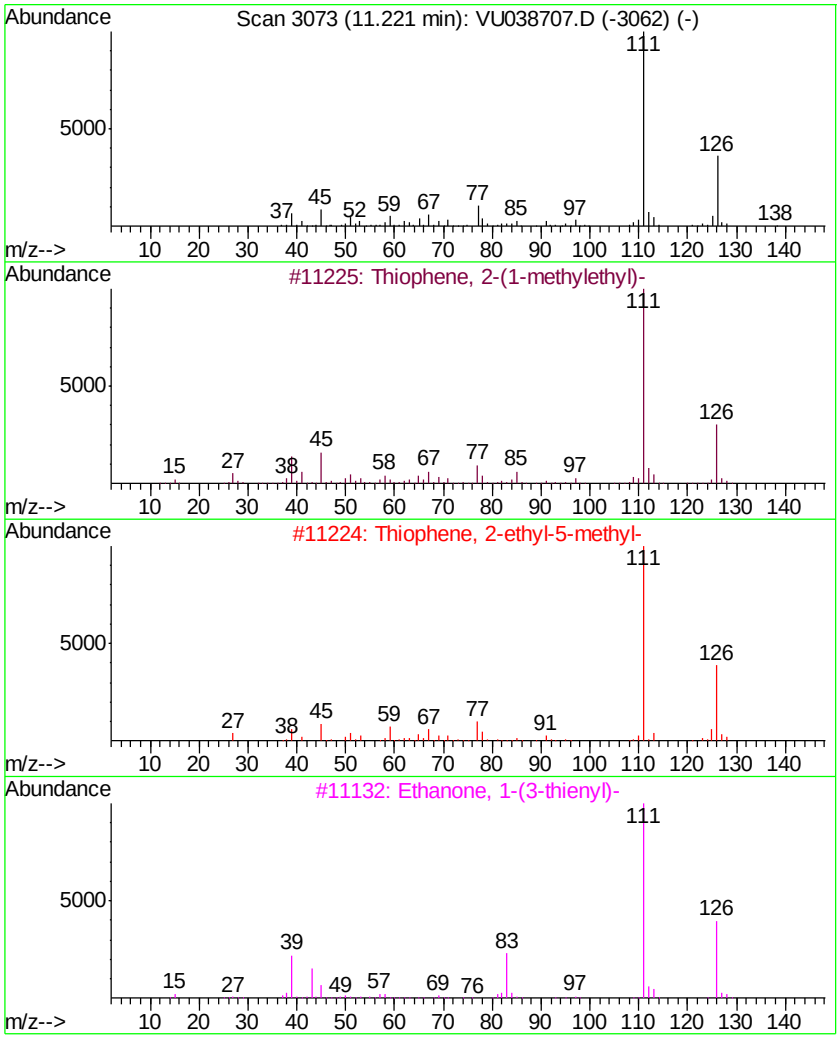
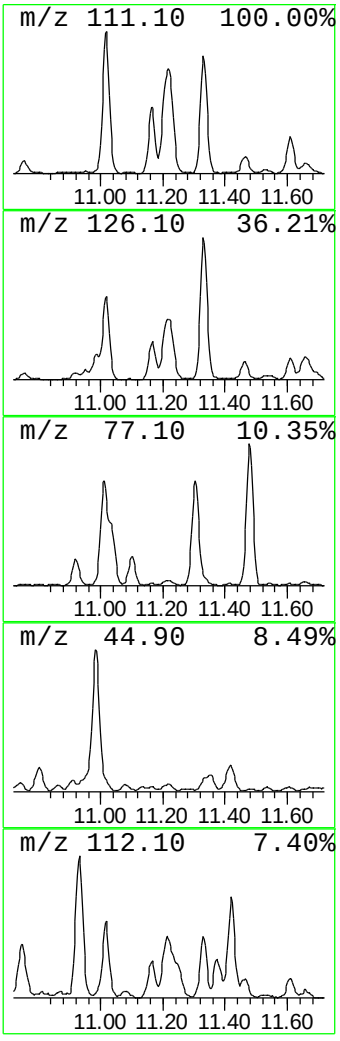
Peak Number 52 Thiophene, 2-(1-methylethyl)- Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.83 ug/L	287796	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	86
2	Thiophene, 2-ethyl-5-methyl-	126	C7H10S	040323-88-4	80
3	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	59
4	p-Fluoroaniline	111	C6H6FN	000371-40-4	50
5	Benzenamine, 2-fluoro-	111	C6H6FN	000348-54-9	47





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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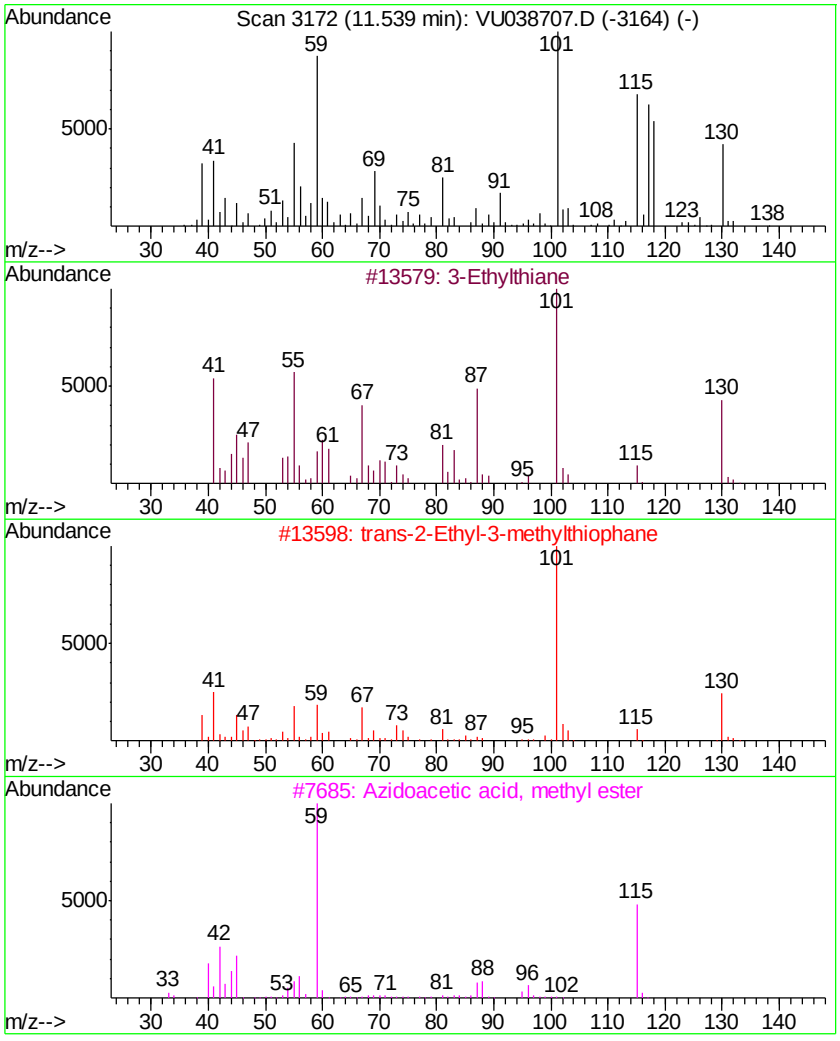
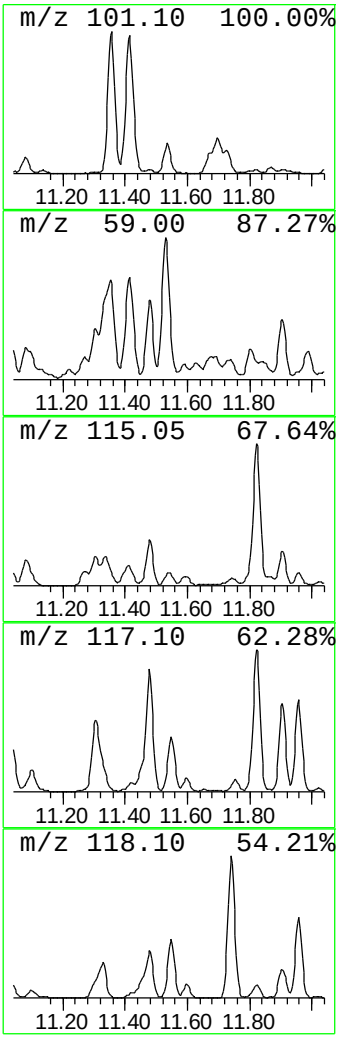
Peak Number 56 unknown-02 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	6.38 ug/L	380048	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylthiane	130	C7H14S	061568-48-7	30
2	trans-2-Ethyl-3-methylthiophane	130	C7H14S	061568-36-3	30
3	Azidoacetic acid, methyl ester	115	C3H5N3O2	1000316-94-5	27
4	cis-2-Ethyl-3-methylthiophane	130	C7H14S	061568-37-4	25
5	2-Amino-2-thiazoline-4-carboxyli...	146	C4H6N2O2S	002150-55-2	22





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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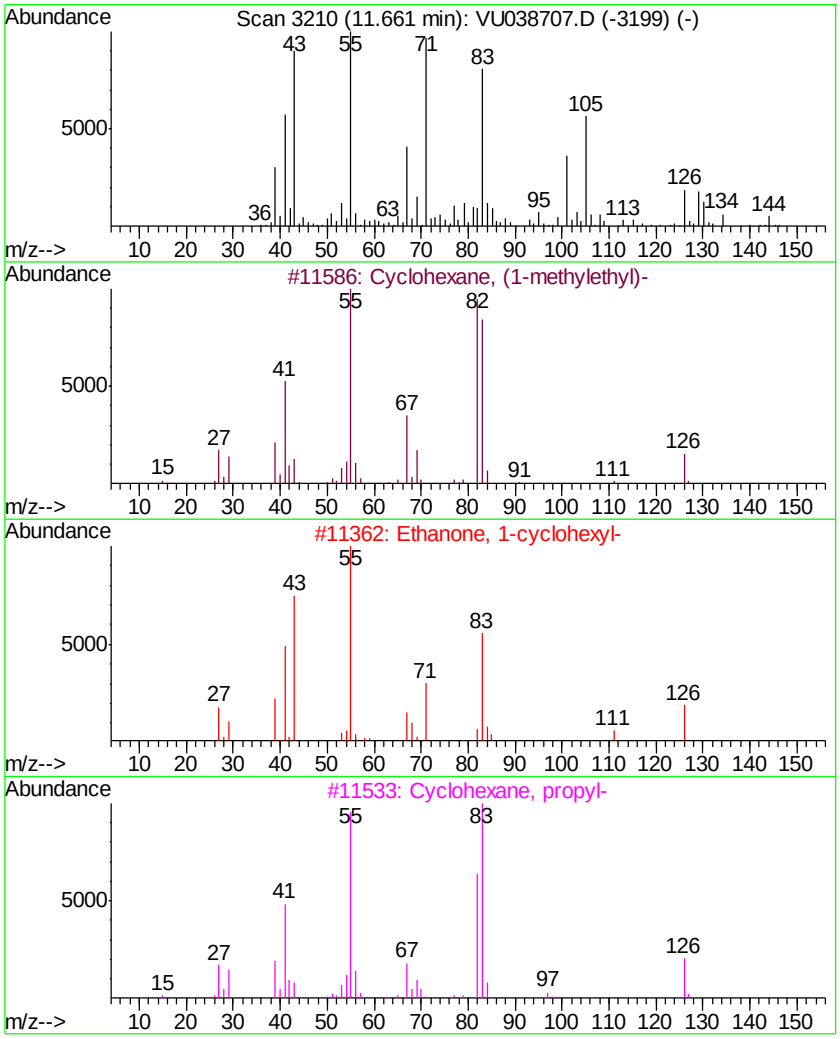
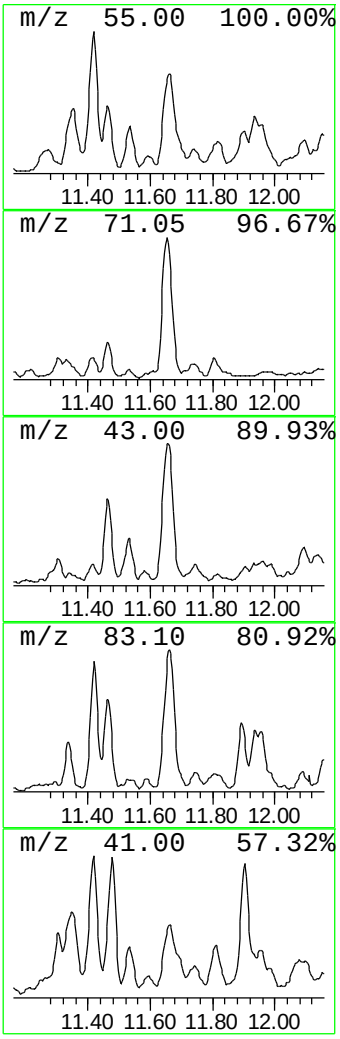
Peak Number 57 (DEL) Alkane: Cyclic11.66 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	11.03 ug/L	656792	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49
2	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	43
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
4	3-Ethyl-4-nonanol	172	C11H24O	019780-72-4	35
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	35





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Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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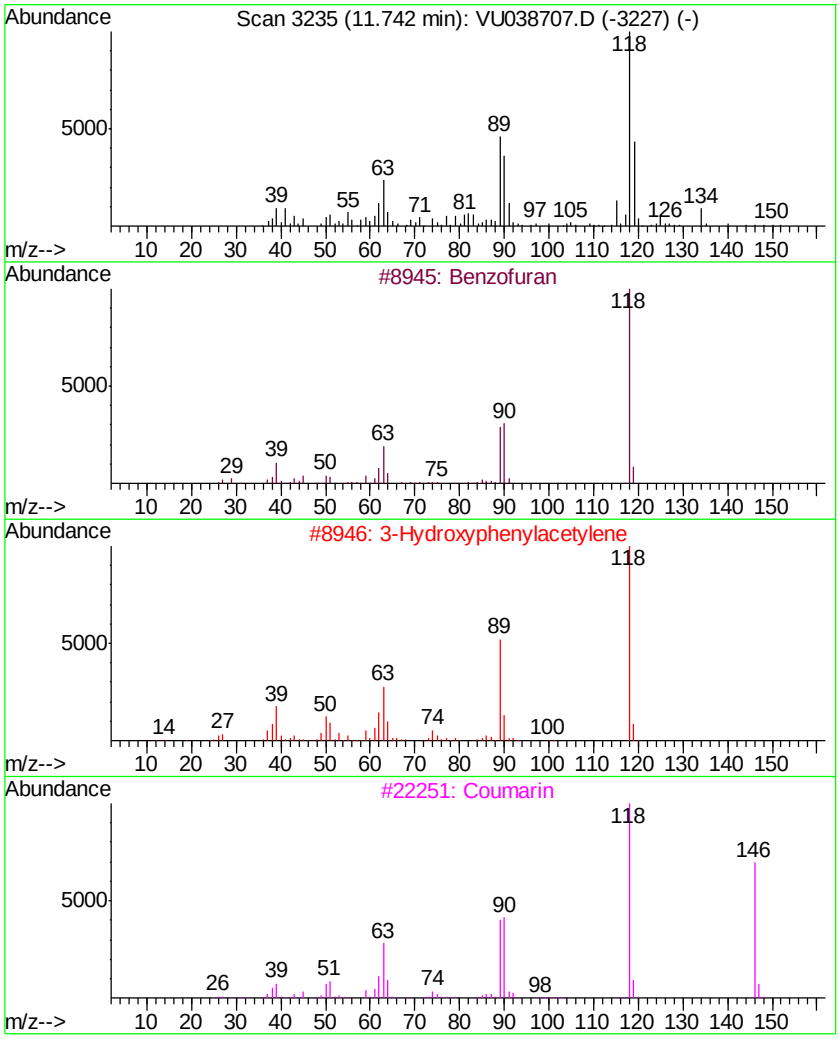
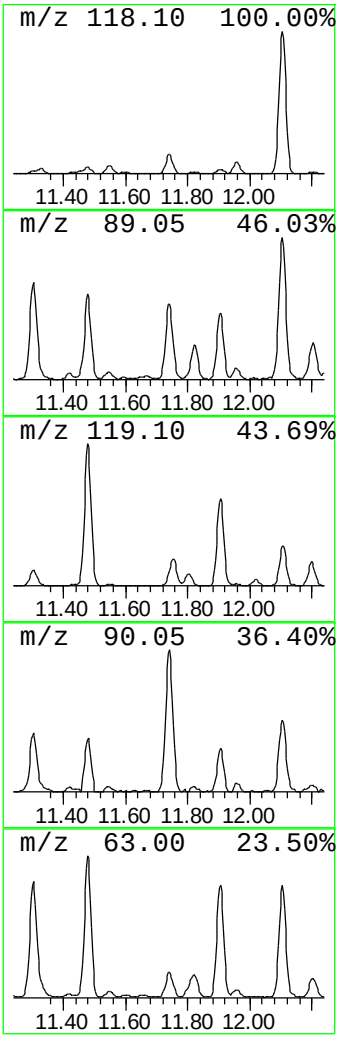
Peak Number 58 Benzofuran Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.48 ug/L	386037	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	70
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	68
3	Coumarin	146	C9H6O2	000091-64-5	64
4	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	47
5	1H-Indole, 2,3-dihydro-	119	C8H9N	000496-15-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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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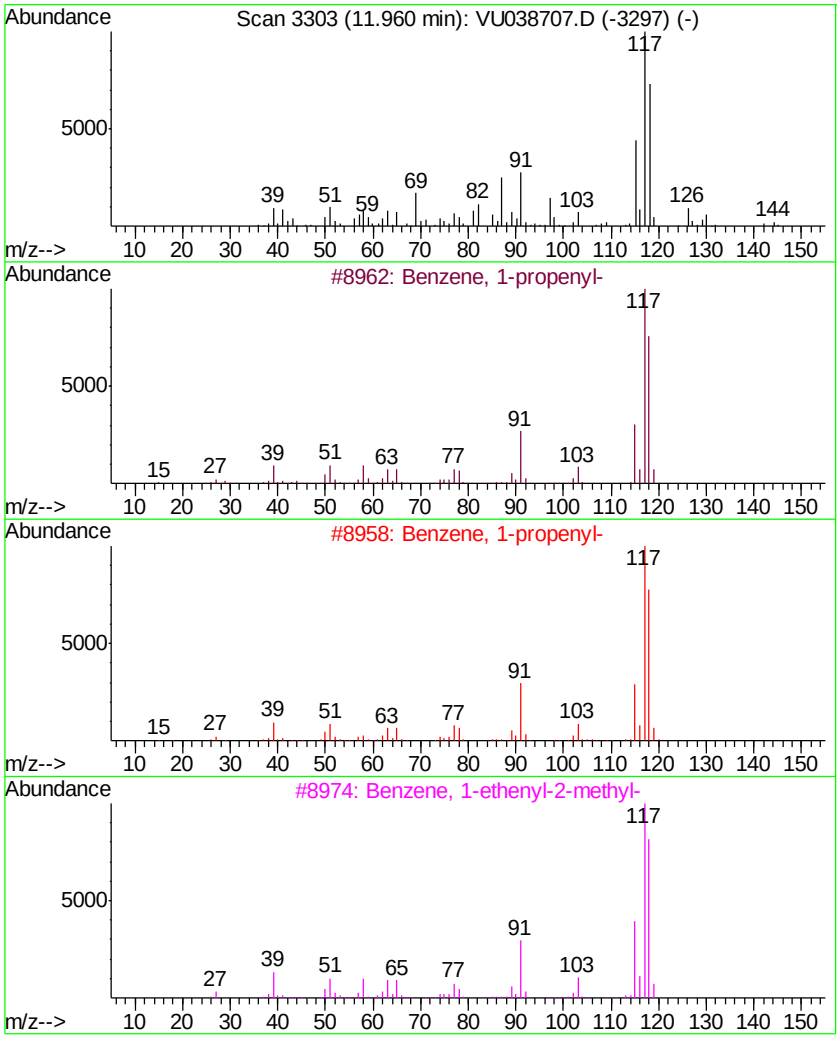
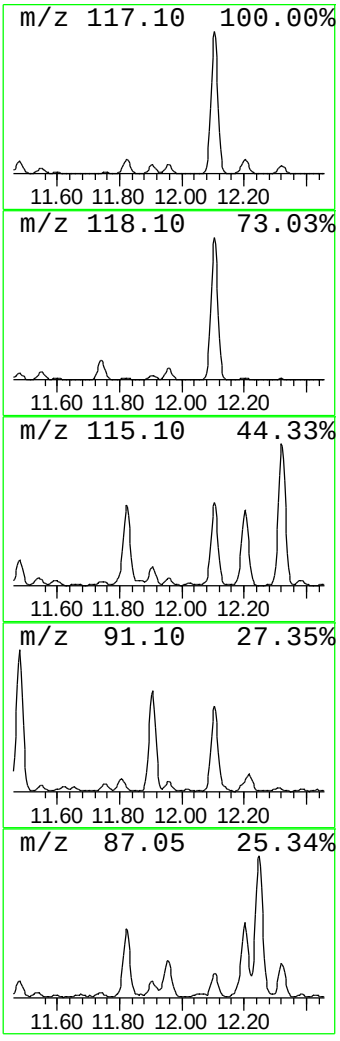
Peak Number 60 Benzene, 1-propenyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.89 ug/L	410041	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	80
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Indane	118	C9H10	000496-11-7	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

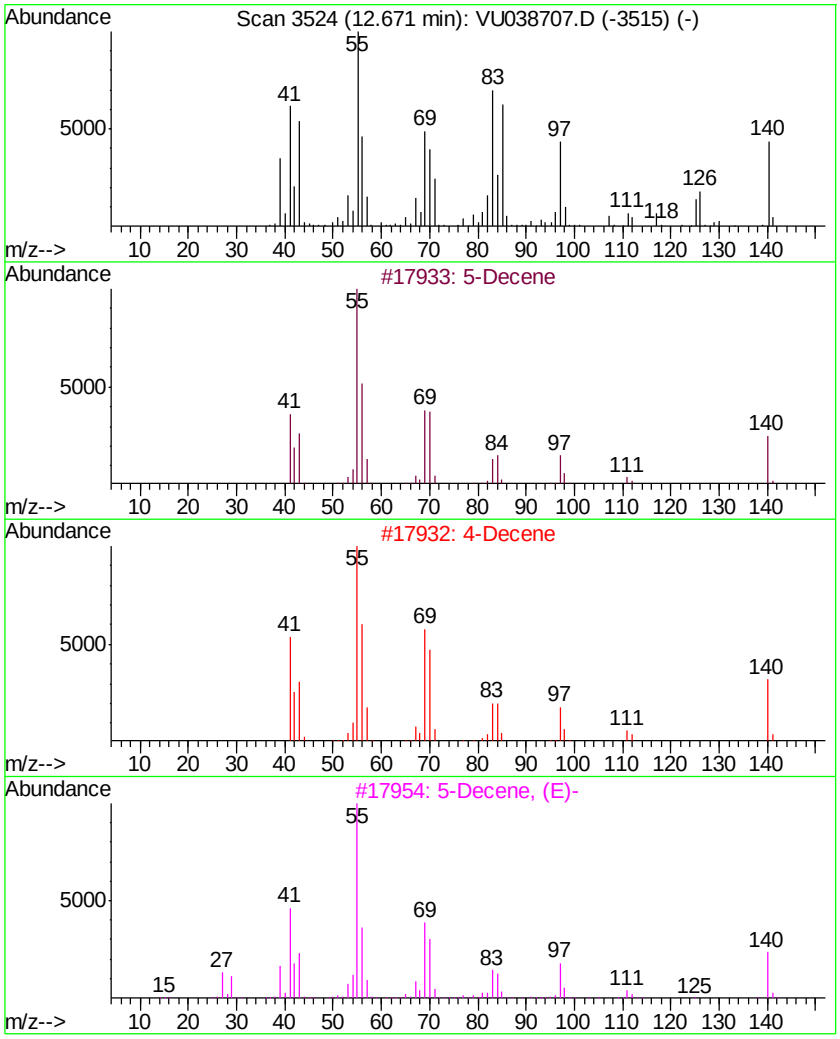
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

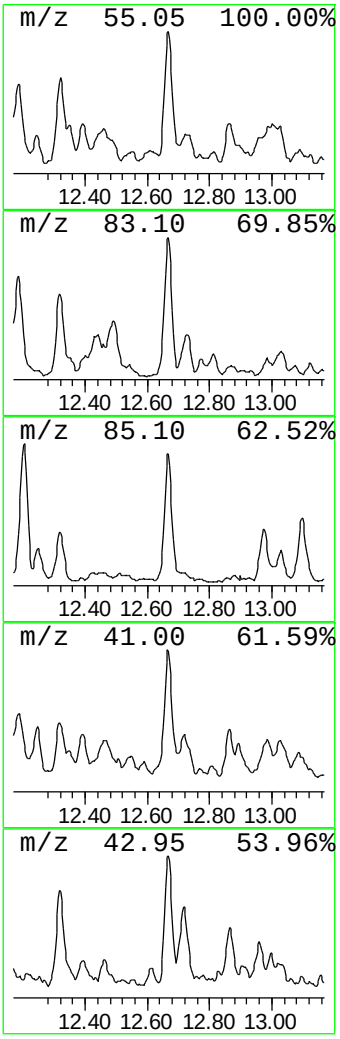
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	3.88 ug/L	231123	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Decene	140	C10H20	019689-19-1	60
2	4-Decene	140	C10H20	019689-18-0	55
3	5-Decene, (E)-	140	C10H20	007433-56-9	46
4	cis-3-Nonene	126	C9H18	020237-46-1	46
5	trans-3-Decene	140	C10H20	019150-21-1	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038707.D
Acq On : 09 Jun 2020 07:47
Operator : SY/MD
Sample : L2913-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D83

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	40.9	ug/L	1340220	1	6.29	1640190	50.0
(DEL) Alkane: Str...	1.50	112.9	ug/L	3704670	1	6.29	1640190	50.0
(DEL) Alkane: Str...	1.67	175.7	ug/L	5764040	1	6.29	1640190	50.0
(DEL) Alkane: Str...	1.75	136.5	ug/L	4477160	1	6.29	1640190	50.0
(DEL) Alkane: Str...	2.01	299.7	ug/L	9831940	1	6.29	1640190	50.0
(DEL) Alkane: Cyc...	2.18	172.9	ug/L	5670740	1	6.29	1640190	50.0
(DEL) Alkane: Str...	2.22	268.7	ug/L	8815420	1	6.29	1640190	50.0
(DEL) Alkane: Str...	2.34	190.6	ug/L	6253340	1	6.29	1640190	50.0
(DEL) Alkane: Str...	2.44	127.4	ug/L	4179060	1	6.29	1640190	50.0
(DEL) Alkane: Cyc...	2.49	122.6	ug/L	4020750	1	6.29	1640190	50.0
(DEL) Alkane: Cyc...	3.00	15.3	ug/L	501599	1	6.29	1640190	50.0
Cyclopropane, met...	3.05	250.3	ug/L	8209790	1	6.29	1640190	50.0
(DEL) Alkane: Str...	3.11	11.3	ug/L	370036	1	6.29	1640190	50.0
(DEL) Alkane: Cyc...	3.17	375.1	ug/L	12303900	1	6.29	1640190	50.0
(DEL) Alkane: Str...	3.39	23.5	ug/L	770166	1	6.29	1640190	50.0
(DEL) Alkane: Str...	3.63	10.2	ug/L	332923	1	6.29	1640190	50.0
(DEL) Alkane: Str...	3.74	16.6	ug/L	545933	1	6.29	1640190	50.0
(DEL) Alkane: Str...	3.88	8.3	ug/L	271212	1	6.29	1640190	50.0
(DEL) Alkane: Str...	3.96	18.1	ug/L	592852	1	6.29	1640190	50.0
(DEL) Alkane: Str...	4.02	10.4	ug/L	340061	1	6.29	1640190	50.0
(DEL) Alkane: Str...	4.13	5.5	ug/L	181117	1	6.29	1640190	50.0
Cyclopentene, 3-m...	4.21	67.2	ug/L	2205090	1	6.29	1640190	50.0
Cyclopentene, 4-m...	4.29	22.7	ug/L	743746	1	6.29	1640190	50.0
(DEL) Alkane: Cyc...	4.57	183.3	ug/L	6014200	1	6.29	1640190	50.0
Cyclobutane, ethe...	5.95	170.5	ug/L	5591620	1	6.29	1640190	50.0
Thiophene	6.07	278.0	ug/L	9119630	1	6.29	1640190	50.0
Diethyl sulfide	6.60	13.4	ug/L	437803	1	6.29	1640190	50.0
Propane, 1-(methy...	6.89	5.7	ug/L	186283	1	6.29	1640190	50.0
Cyclohexene, 3-me...	7.19	8.7	ug/L	285052	1	6.29	1640190	50.0
Cyclobutane, (1-m...	7.42	13.9	ug/L	455373	1	6.29	1640190	50.0
2-Pentanol, 2-met...	7.73	17.5	ug/L	575073	1	6.29	1640190	50.0
Thiophene, 2-methyl-	8.13	206.7	ug/L	8770090	2	9.44	2121860	50.0
Thiophene, 3-methyl-	8.29	93.6	ug/L	3970230	2	9.44	2121860	50.0
Thiophene, tetrah...	8.82	40.4	ug/L	1715630	2	9.44	2121860	50.0
unknown-01	9.37	10.5	ug/L	446603	2	9.44	2121860	50.0
Thiophene, tetrah...	9.85	80.6	ug/L	3421370	2	9.44	2121860	50.0
Thiophene, 2,4-di...	9.88	88.5	ug/L	3754020	2	9.44	2121860	50.0
Thiophene, tetrah...	9.96	54.6	ug/L	2316870	2	9.44	2121860	50.0
Thiophene, 3,4-di...	10.07	54.2	ug/L	2299900	2	9.44	2121860	50.0
cis-2,3-Dimethylt...	10.29	27.5	ug/L	1166980	2	9.44	2121860	50.0
trans-2,3-Dimethy...	10.44	37.5	ug/L	1592490	2	9.44	2121860	50.0
2H-Thiopyran, tet...	10.66	24.3	ug/L	1448030	3	11.82	2976410	50.0
Benzene, propyl-	10.92	54.9	ug/L	3269810	3	11.82	2976410	50.0
Hydrazine, 1-ethy...	10.99	43.5	ug/L	2588720	3	11.82	2976410	50.0
Benzene, 1-ethyl-...	11.01	87.7	ug/L	5219440	3	11.82	2976410	50.0
Benzene, 1,2,3-tr...	11.10	21.0	ug/L	1249870	3	11.82	2976410	50.0
Thiophene, 2-(1-m...	11.22	4.8	ug/L	287796	3	11.82	2976410	50.0
unknown-02	11.54	6.4	ug/L	380048	3	11.82	2976410	50.0
(DEL) Alkane: Cyc...	11.66	11.0	ug/L	656792	3	11.82	2976410	50.0

Benzofuran	11.74	6.5	ug/L	386037	3	11.82	2976410	50.0
Benzene, 1-propenyl-	11.96	6.9	ug/L	410041	3	11.82	2976410	50.0
(DEL) Alkane: Str...	12.67	3.9	ug/L	231123	3	11.82	2976410	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9D83