LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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	28	rVB	1494770	1436433	0.82%	0.251%
2	1.501	42	50	72	rBV	3446679	3821492	2.18%	0.667%
3	1.613	72	85	97	rBV	15327216	21901567	12.52%	3.824%
4	1.674	97	104	118	rVV	4918613	5635801	3.22%	0.984%
5	1.748	118	127	141	rVB	3902441	4579832	2.62%	0.800%
6	1.922	171	181	192	rBV2	1074957	1500877	0.86%	0.262%
7	2.012	199	209	232	rVB	6847432	9339542	5.34%	1.631%
8	2.176	249	260	267	rVV	3105924	4286899	2.45%	0.749%
9	2.224	267	275	298	rVV	5313525	7824424	4.47%	1.366%
10	2.340	299	311	326	rVV	3524080	5033867	2.88%	0.879%
11	2.440	328	342	350	rVV	2329388	3608350	2.06%	0.630%
12	2.491	350	358	377	rVV	2572961	4041656	2.31%	0.706%
13	2.591	377	389	403	rVV	563805	992700	0.57%	0.173%
14	2.658	403	410	420	rVV3	109564	206263	0.12%	0.036%
15	2.996	502	515	518	rBV3	225771	386357	0.22%	0.067%
16	3.047	519	531	544	rVV	4166733	8045763	4.60%	1.405%
17	3.115	545	552	556	rVV	174837	268227	0.15%	0.047%
18	3.170	556	569	585	rVB	5312667	10968230	6.27%	1.915%
19	3.395	620	639	657	rVB2	229371	651264	0.37%	0.114%
20	3.623	689	710	727	rBV5	79978	207918	0.12%	0.036%
21	3.739	730	746	770	rVB3	195605	441240	0.25%	0.077%
22	3.874	770	788	799	rBV3	79569	194607	0.11%	0.034%
23	3.957	800	814	824	rVV2	158900	411912	0.24%	0.072%
24	4.018	825	833	851	rVB2	139657	321951	0.18%	0.056%
25	4.131	851	868	878	rBV4	61418	163840	0.09%	0.029%
26	4.211	878	893	909	rVV2	694145	1926281	1.10%	0.336%
27	4.295	910	919	934	rVV	297053	698175	0.40%	0.122%
28	4.575	986	1006	1024	rBV	2017086	5085216	2.91%	0.888%
29	4.671	1024	1036	1052	rVV	292057	795254	0.45%	0.139%
30	4.751	1055	1061	1081	rVB2	73602	170712	0.10%	0.030%
31	5.102	1151	1170	1186	rBV	461889	1061287	0.61%	0.185%
32	5.218	1191	1206	1222	rVB2	138476	331031	0.19%	0.058%
33	5.427	1253	1271	1298	rBV	3097798	7329571	4.19%	1.280%
34	5.954	1428	1435	1447	rVB	2961784	5162671	2.95%	0.901%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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	1458	1470	1493	rVB	5683667	10853604	6.21%	1.895%
36	6.285	1528	1538	1559	rVB	946808	1833808	1.05%	0.320%
37	6.597	1620	1635	1649	rVB	242915	461474	0.26%	0.081%
38	6.722	1662	1674	1686	rBV	635622	1204529	0.69%	0.210%
39	6.796	1686	1697	1716	rVB6	486042	1469772	0.84%	0.257%
40	6.886	1716	1725	1737	rVB2	92827	167958	0.10%	0.029%
41	7.192	1804	1820	1823	rBV3	153254	281920	0.16%	0.049%
42	7.423	1877	1892	1902	rBV	226377	406132	0.23%	0.071%
43	7.594	1932	1945	1957	rBV2	484447	946093	0.54%	0.165%
44	7.722	1974	1985	1995	rVV	254676	502300	0.29%	0.088%
45	7.780	1995	2003	2011	rVV2	147704	279647	0.16%	0.049%
46	7.925	2027	2048	2057	rVV	1270010	2431072	1.39%	0.424%
47	8.012	2057	2075	2100	rVV3	74080942	174900760	100.00%	30.539%
48	8.128	2100	2111	2125	rVV	4081170	6953306	3.98%	1.214%
49	8.201	2127	2134	2150	rVV	279644	509460	0.29%	0.089%
50	8.295	2151	2163	2188	rVB	2083024	3496283	2.00%	0.610%
51	8.436	2195	2207	2224	rVB7	132784	274396	0.16%	0.048%
52	8.655	2260	2275	2286	rBV	1021889	1725146	0.99%	0.301%
53	8.816	2307	2325	2347	rBV	1084159	2092468	1.20%	0.365%
54	9.365	2480	2496	2508	rVV6	137320	433646	0.25%	0.076%
55	9.436	2508	2518	2524	rVV	1347044	2240250	1.28%	0.391%
56	9.484	2524	2533	2550	rVV	5542268	9386092	5.37%	1.639%
57	9.597	2551	2568	2586	rVV2	56567730	103836546	59.37%	18.131%
58	9.713	2586	2604	2632	rVV	14602564	27444175	15.69%	4.792%
59	9.848	2633	2646	2651	rVV	2140085	3548749	2.03%	0.620%
60	9.883	2652	2657	2670	rVV3	1955510	3278401	1.87%	0.572%
61	9.963	2670	2682	2692	rVV	1471050	2506509	1.43%	0.438%
62	10.028	2692	2702	2709	rVV	1425947	2818097	1.61%	0.492%
63	10.070	2711	2715	2720	rVV	1444253	2056961	1.18%	0.359%
64	10.118	2720	2730	2756	rVV	20767199	34231689	19.57%	5.977%
65	10.295	2774	2785	2794	rVV3	711062	1261824	0.72%	0.220%
66	10.349	2794	2802	2805	rVV	453539	668968	0.38%	0.117%
67	10.381	2806	2812	2821	rVV2	837584	1445300	0.83%	0.252%
68	10.439	2821	2830	2840	rVV	929736	1696618	0.97%	0.296%
69	10.497	2840	2848	2870	rVB	1181867	2023095	1.16%	0.353%
70	10.664	2890	2900	2915	rVB	897934	1455787	0.83%	0.254%
71	10.771	2915	2933	2940	rBV2	944407	2142388	1.22%	0.374%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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	10.861	2954	2961	2967	rBV3	123962	178252	0.10%	0.031%
73	10.918	2967	2979	2990	rBV	1366636	2749060	1.57%	0.480%
74	10.986	2991	3000	3004	rBV	1582758	2424902	1.39%	0.423%
75	11.098	3024	3035	3051	rVB2	480223	964854	0.55%	0.168%
76	11.217	3062	3072	3080	rBV2	105149	231569	0.13%	0.040%
77	11.304	3088	3099	3123	rVB2	1936697	3939865	2.25%	0.688%
78	11.417	3124	3134	3143	rVV6	617117	1082483	0.62%	0.189%
79	11.478	3143	3153	3164	rVV	2698534	4166268	2.38%	0.727%
80	11.536	3164	3171	3181	rVB4	221406	381393	0.22%	0.067%
81	11.661	3199	3210	3226	rBV4	221203	604146	0.35%	0.105%
82	11.742	3227	3235	3245	rVB3	203831	373633	0.21%	0.065%
83	11.822	3246	3260	3272	rBV2	1636268	2940744	1.68%	0.513%
84	11.906	3275	3286	3296	rVV	2113220	3360326	1.92%	0.587%
85	11.957	3298	3302	3319	rVB3	197789	342194	0.20%	0.060%
86	12.105	3338	3348	3367	rVB	1260387	2019628	1.15%	0.353%
87	12.205	3367	3379	3389	rBV	1403396	2288469	1.31%	0.400%
88	12.320	3405	3415	3429	rBV	836543	1350910	0.77%	0.236%
89	12.671	3515	3524	3526	rBV2	136931	183683	0.11%	0.032%
90	12.864	3577	3584	3590	rBV	102812	156380	0.09%	0.027%
91	13.475	3764	3774	3786	rVV3	312506	574342	0.33%	0.100%
92	13.545	3787	3796	3816	rVB5	243395	452101	0.26%	0.079%
93	13.648	3816	3828	3839	rBV2	310169	531218	0.30%	0.093%
94	14.031	3935	3947	3959	rBV4	188751	332226	0.19%	0.058%
95	14.111	3959	3972	3987	rBV	3736660	5950302	3.40%	1.039%
96	14.192	3988	3997	4002	rBV	193493	301071	0.17%	0.053%
97	14.233	4002	4010	4022	rVB	838565	1337961	0.76%	0.234%
98	14.915	4213	4222	4231	rBV	97399	161954	0.09%	0.028%
99	15.259	4320	4329	4345	rBV2	232544	522968	0.30%	0.091%
100	15.452	4377	4389	4407	rBV2	364724	714337	0.41%	0.125%

Sum of corrected areas: 572713672

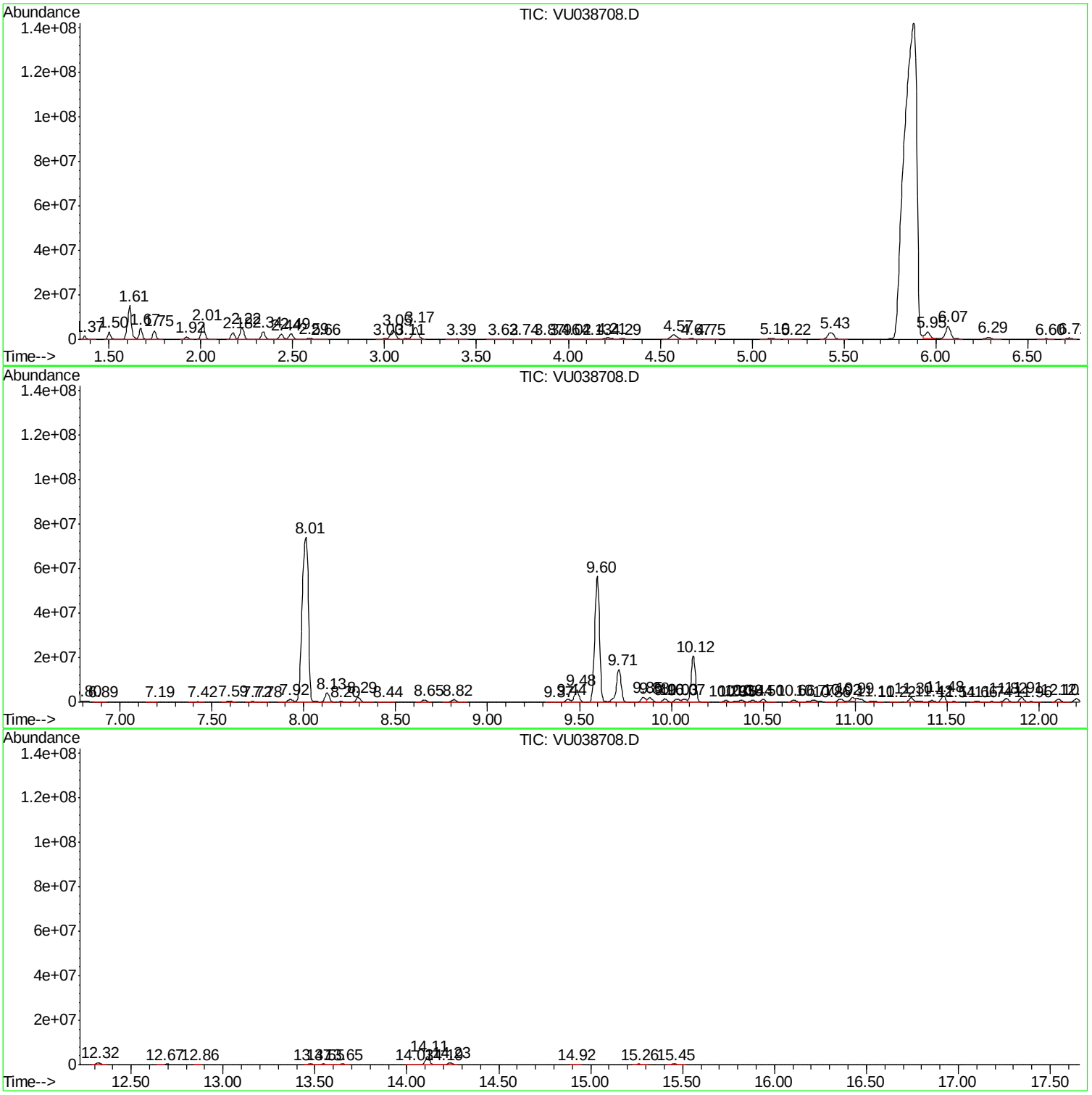
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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 : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

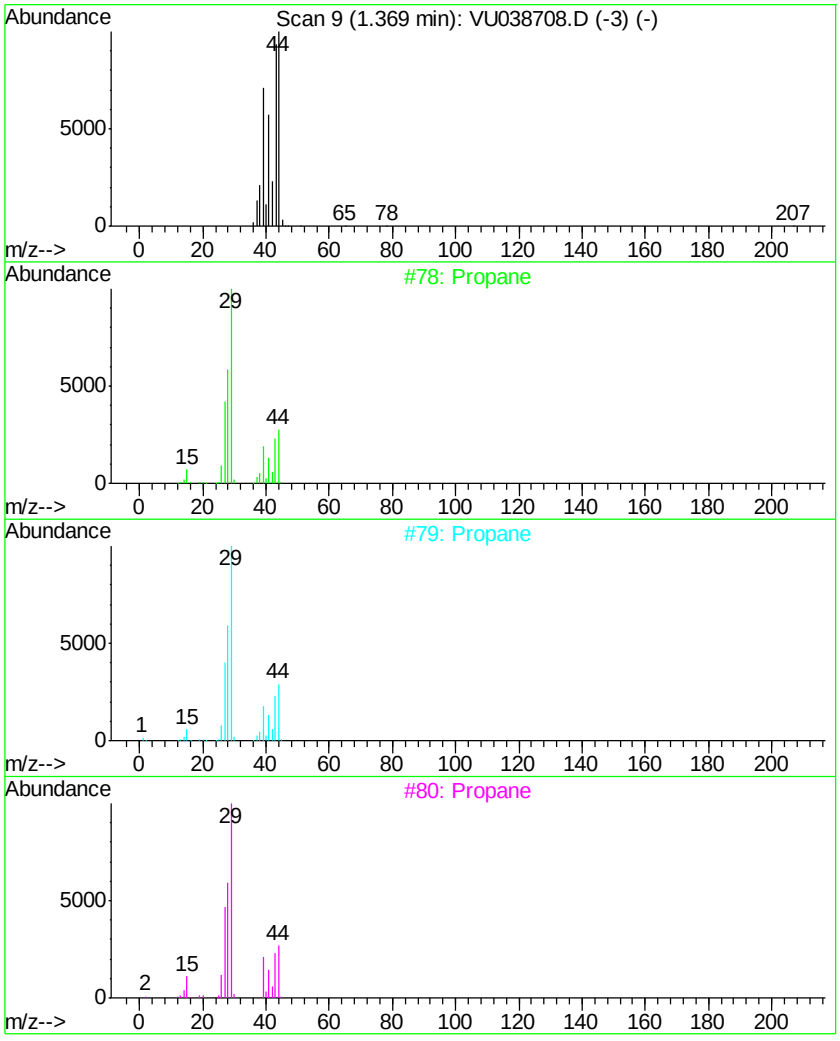
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

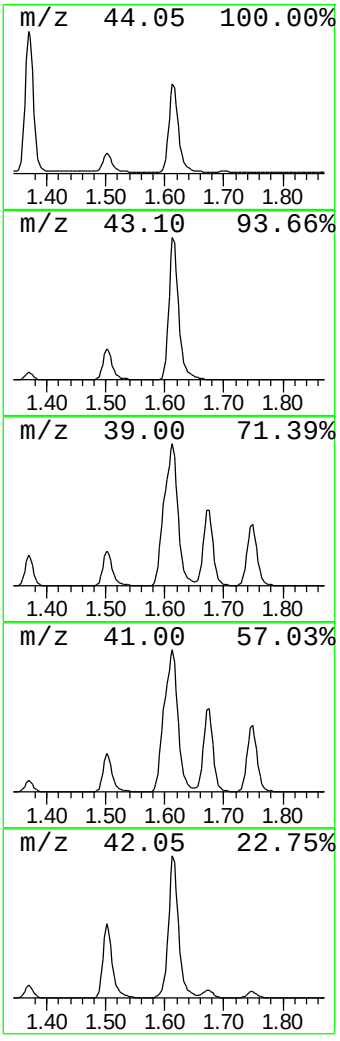
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	39.17 ug/L	1436430	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	Acetaldehyde	44	C2H4O	000075-07-0	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

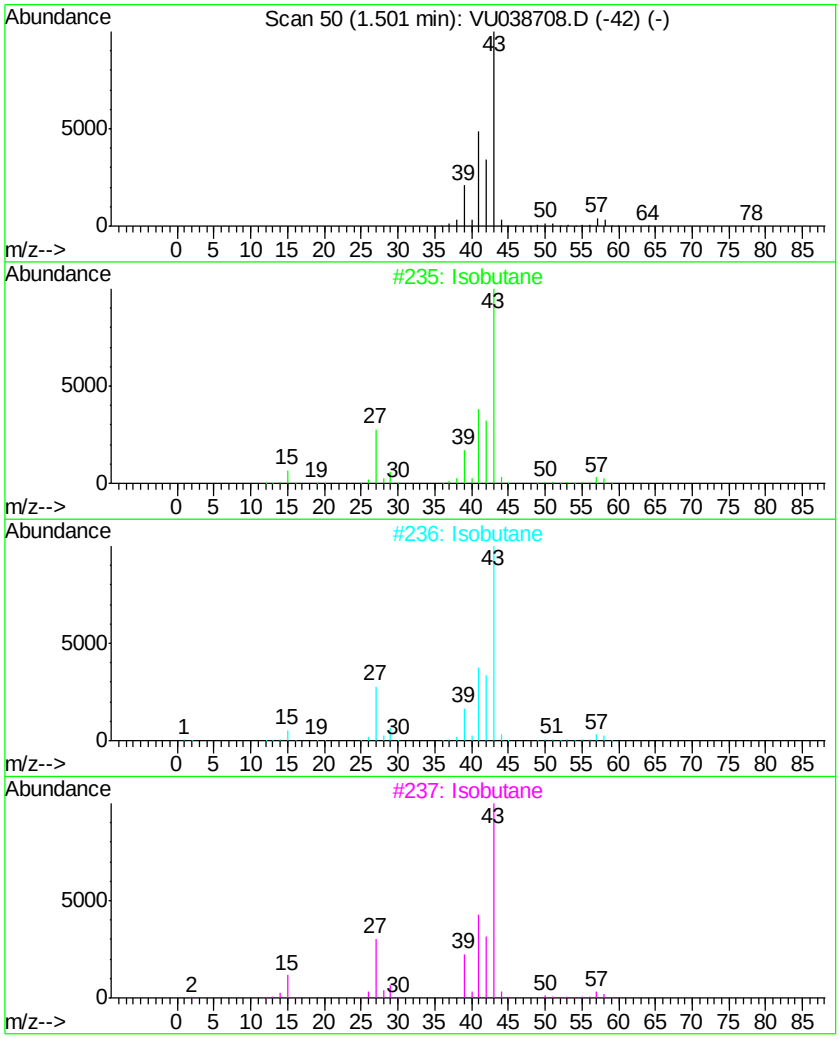
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

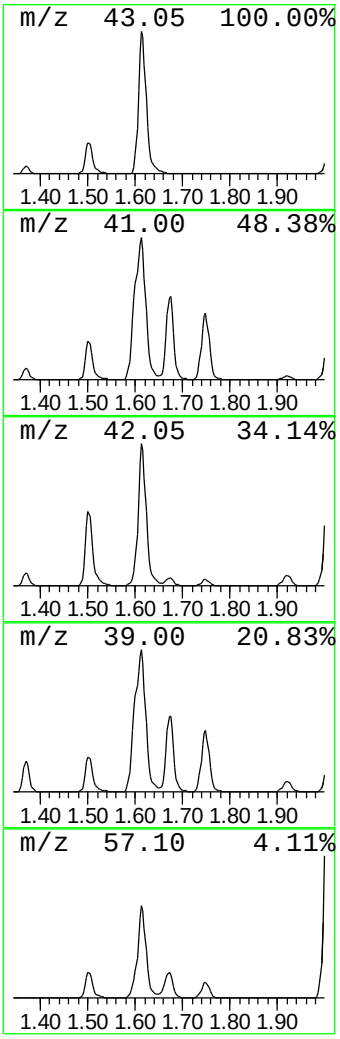
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	104.20 ug/L	3821490	1,4-Difluorobenzene	6.29

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	53
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

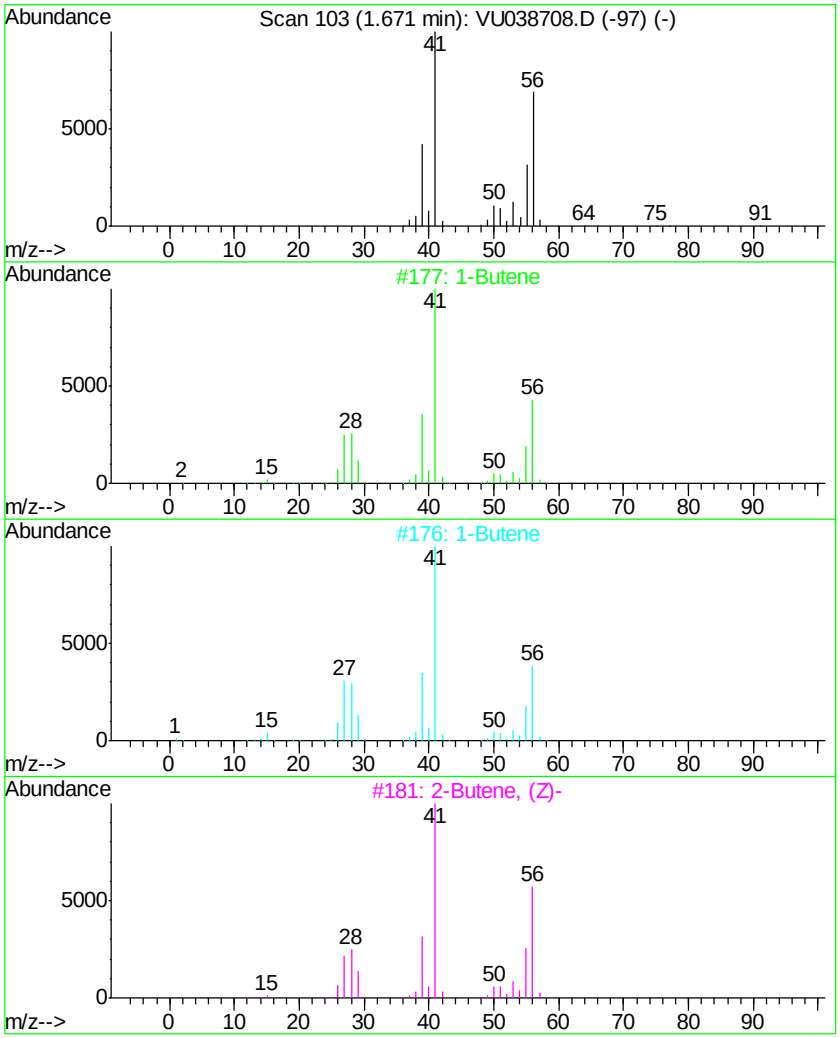
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

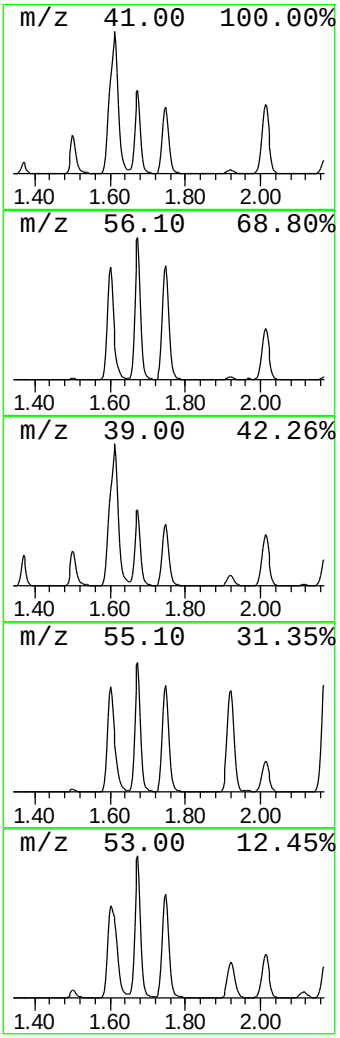
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	153.66 ug/L	5635800	1,4-Difluorobenzene	6.29

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

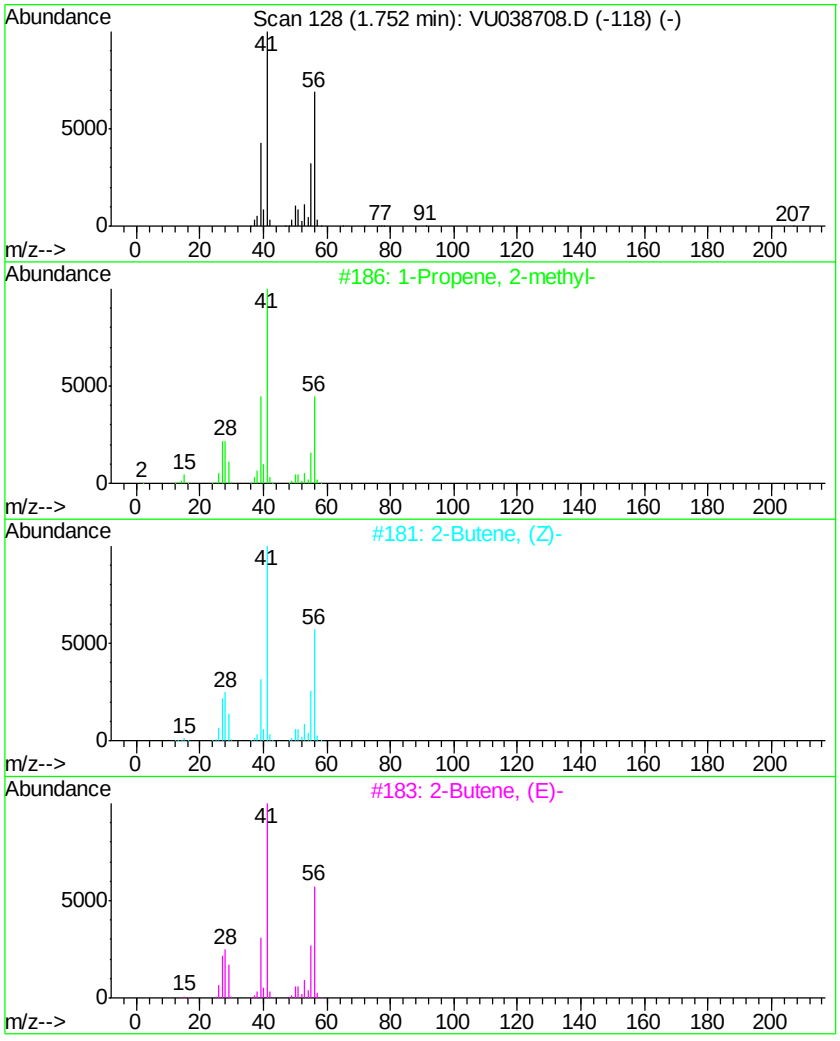
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

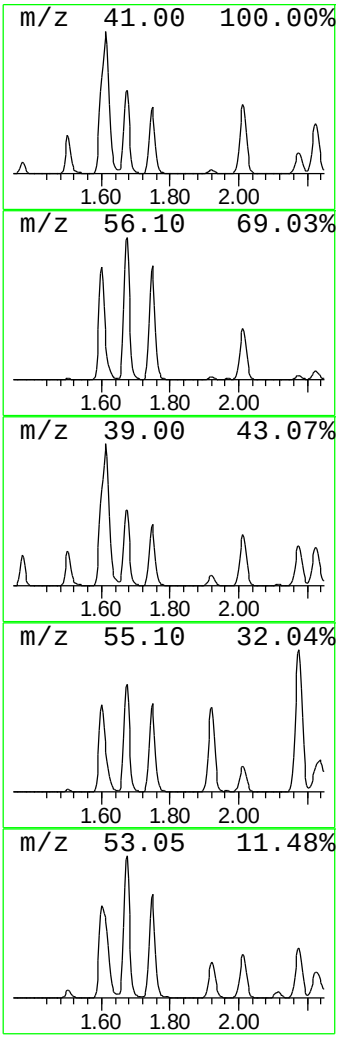
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	124.87 ug/L	4579830	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	2-Butene, (Z)-	56	C4H8	000590-18-1	80
3	2-Butene, (E)-	56	C4H8	000624-64-6	74
4	2-Butene, (Z)-	56	C4H8	000590-18-1	74
5	2-Butene, (E)-	56	C4H8	000624-64-6	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

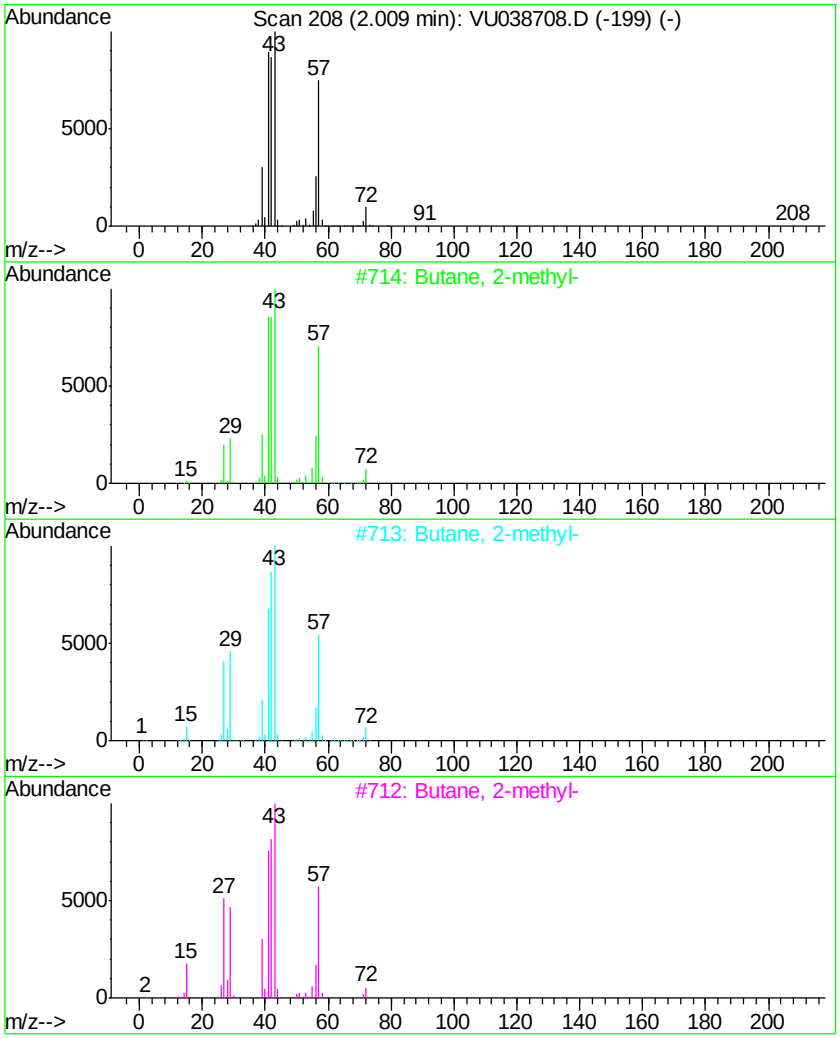
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

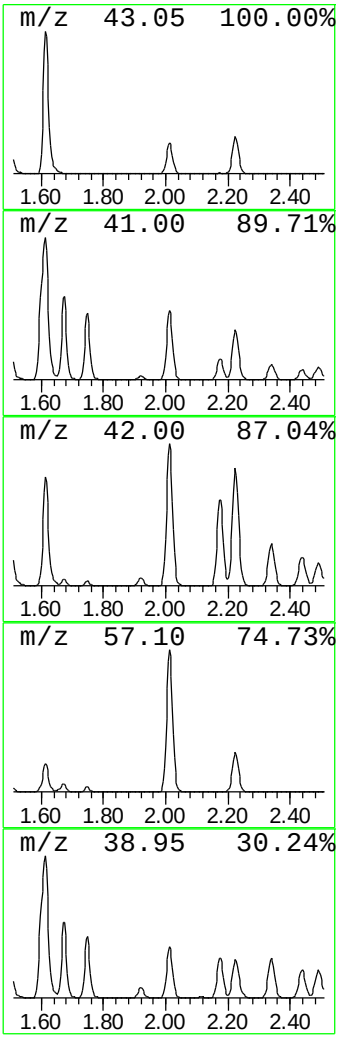
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	254.65 ug/L	9339540	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	87
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	43
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

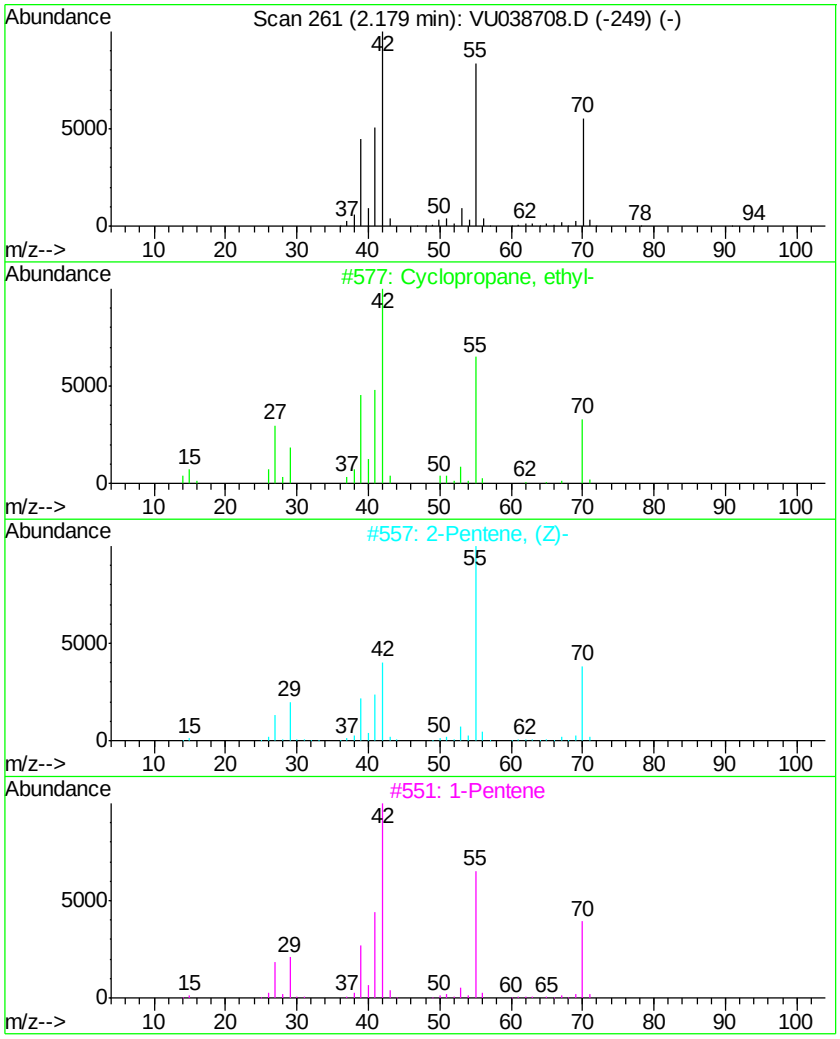
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

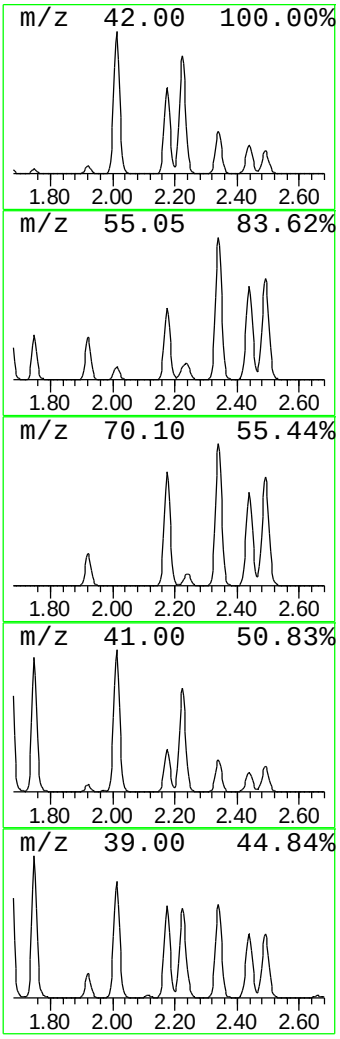
****

Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	116.89 ug/L	4286900	1,4-Difluorobenzene	6.29

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	1-Pentene	70	C5H10	000109-67-1	74
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	70
5	1-Pentene	70	C5H10	000109-67-1	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

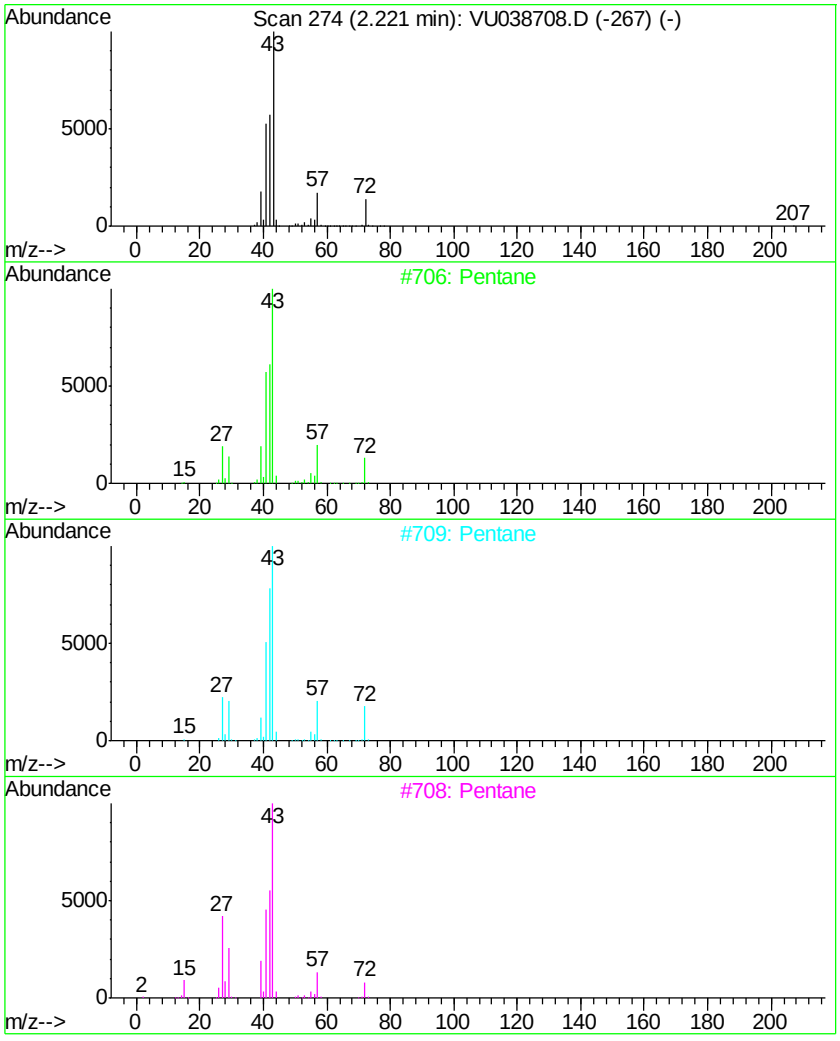
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

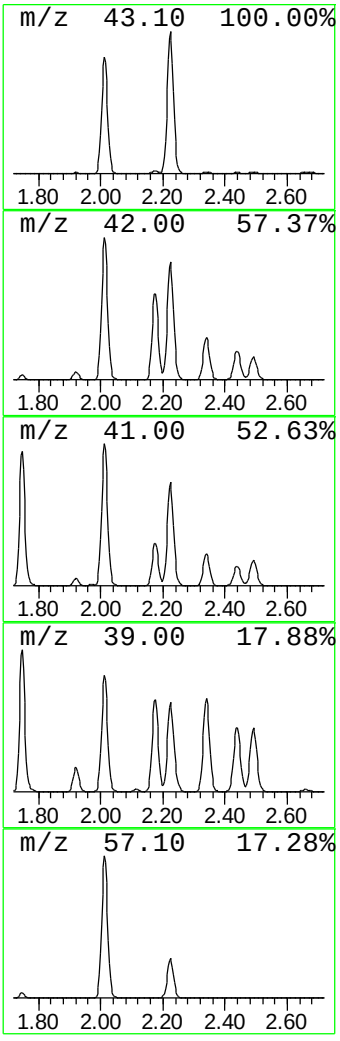
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	213.34 ug/L	7824420	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	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

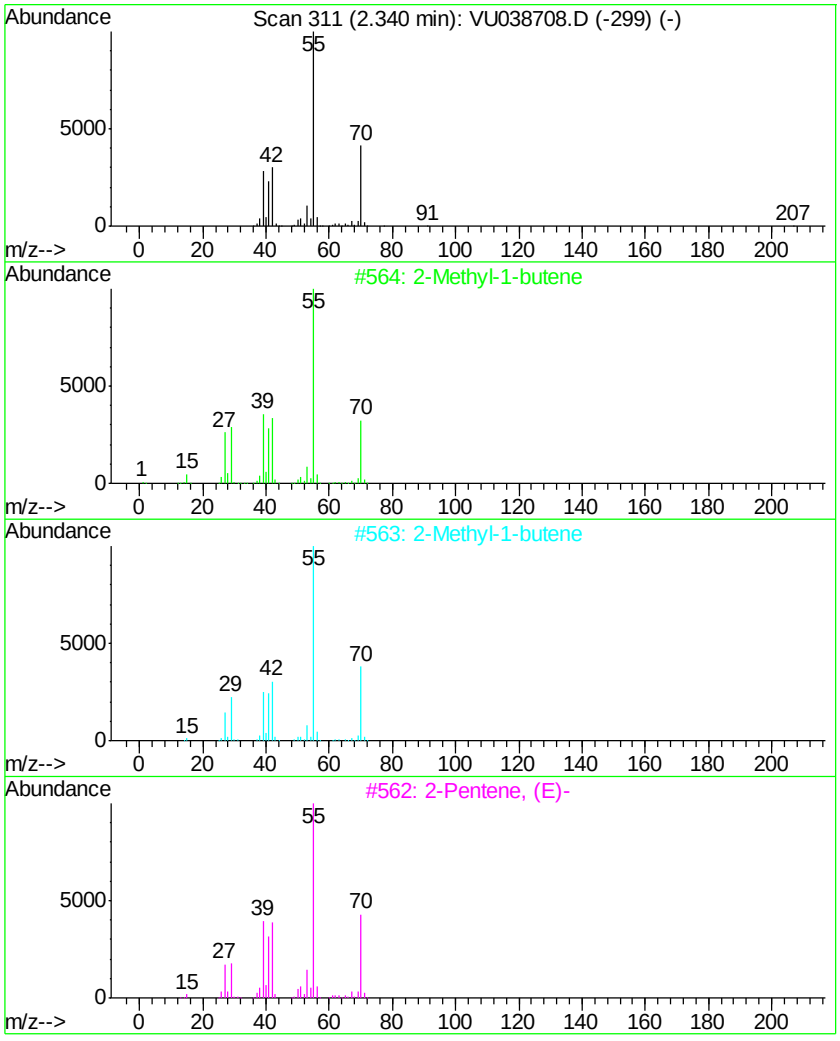
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

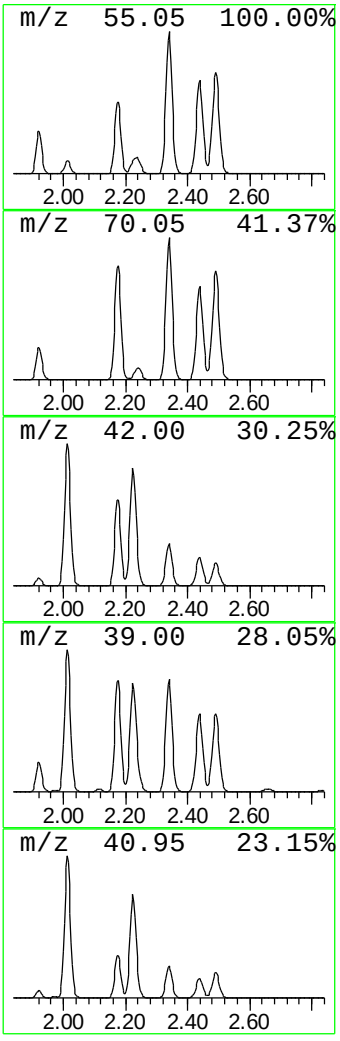
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	137.25 ug/L	5033870	1,4-Difluorobenzene	6.29

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, (E)-	70	C5H10	000646-04-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

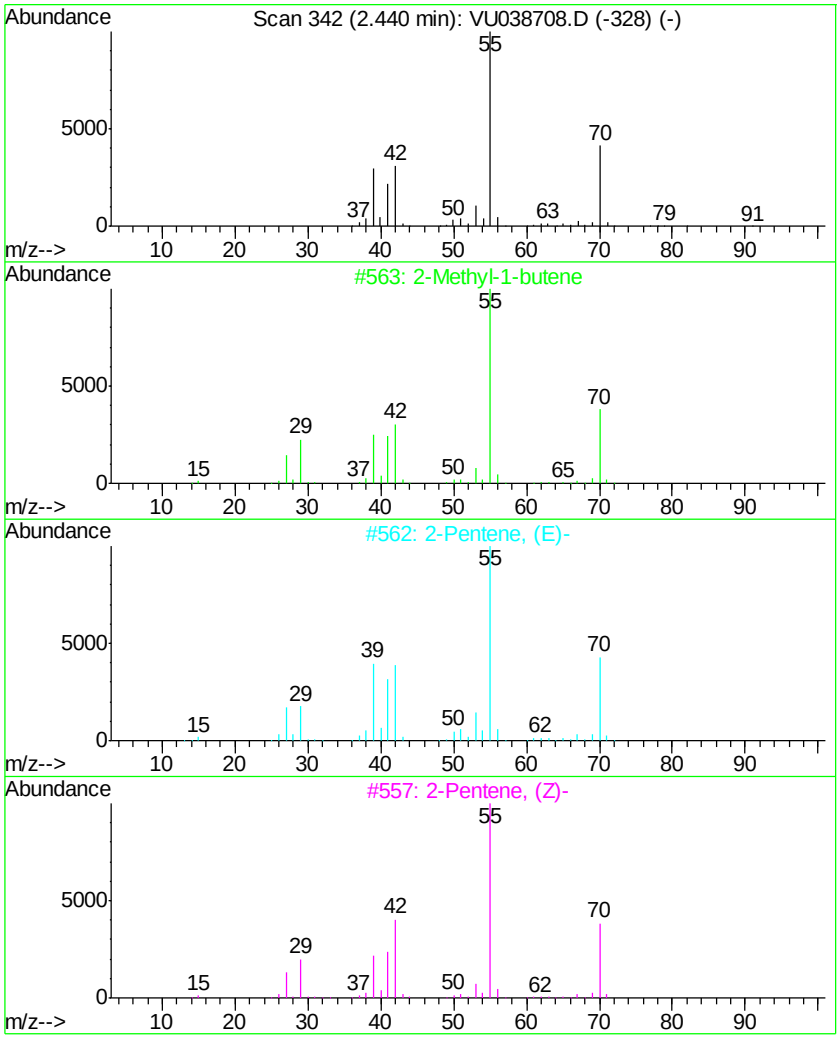
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

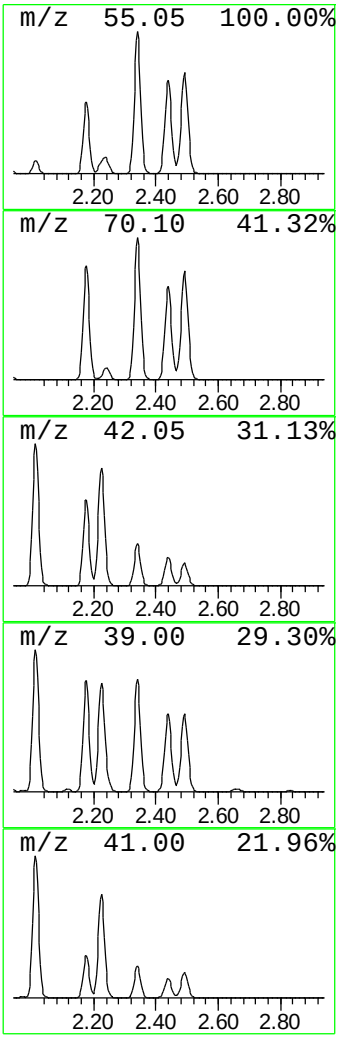
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	98.38 ug/L	3608350	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Pentene, (E)-	70	C5H10	000646-04-8	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
5	2-Pentene, (E)-	70	C5H10	000646-04-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

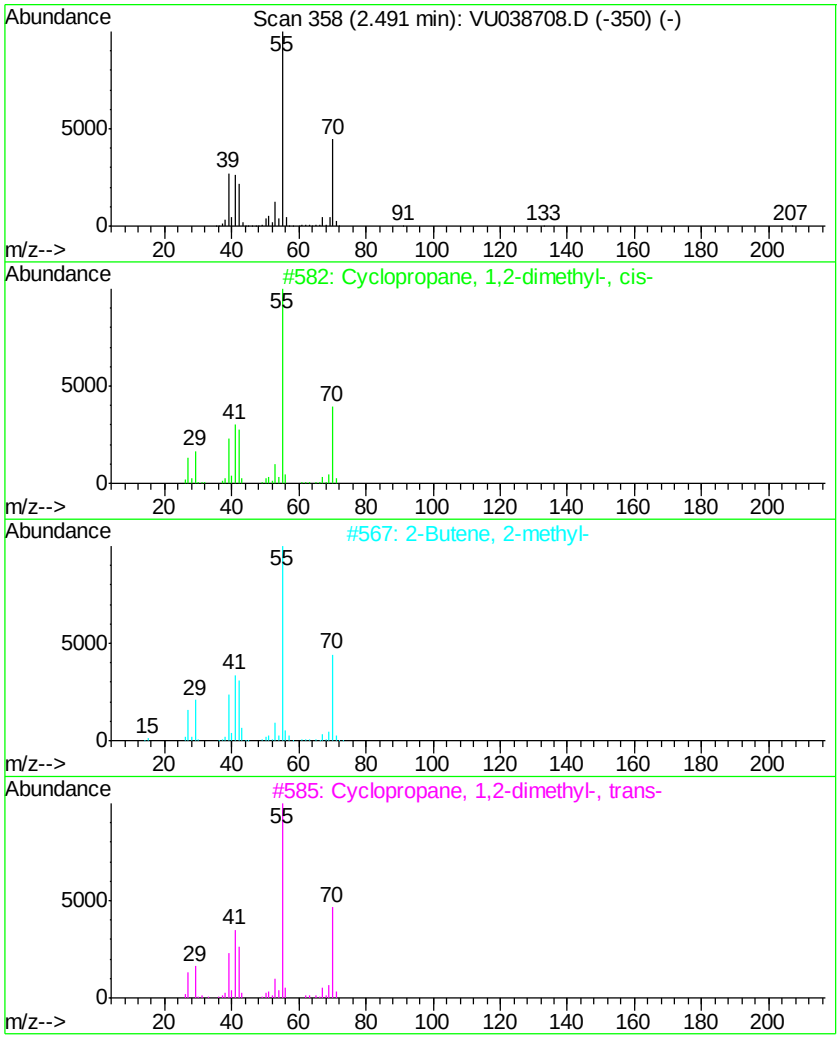
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

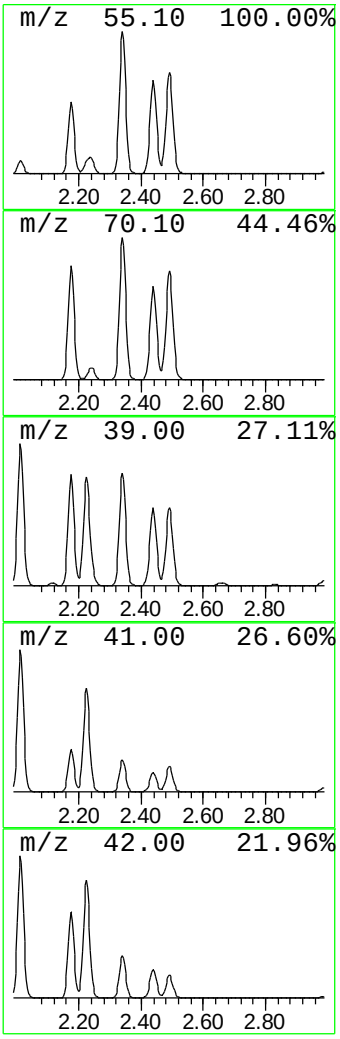
****

Peak Number 10 (DEL) Alkane: Cyclic2.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	110.20 ug/L	4041660	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, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
4	2-Methyl-1-butene	70	C5H10	000563-46-2	78
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

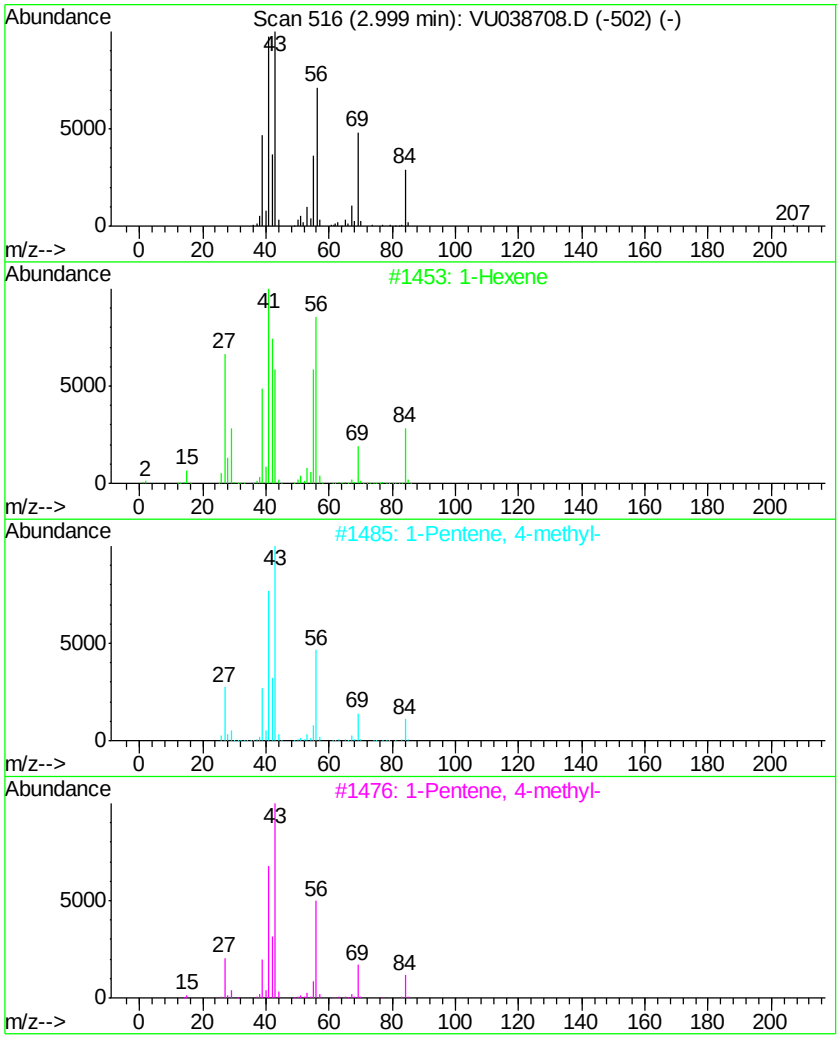
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

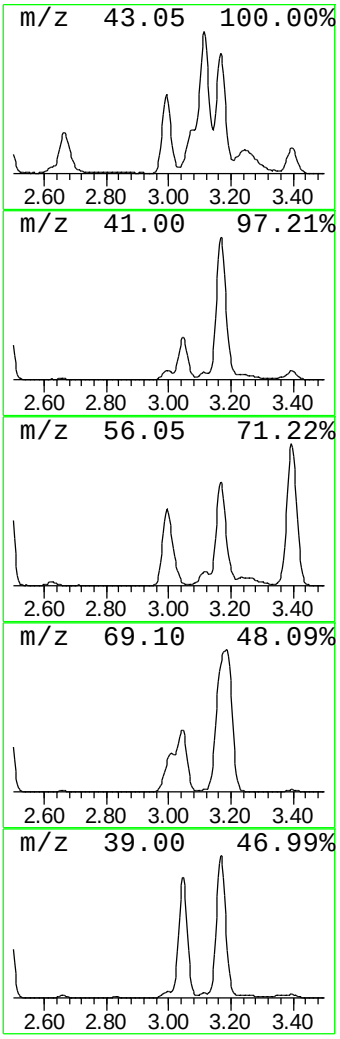
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	10.53 ug/L	386357	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	64
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	59
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	59
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	58
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

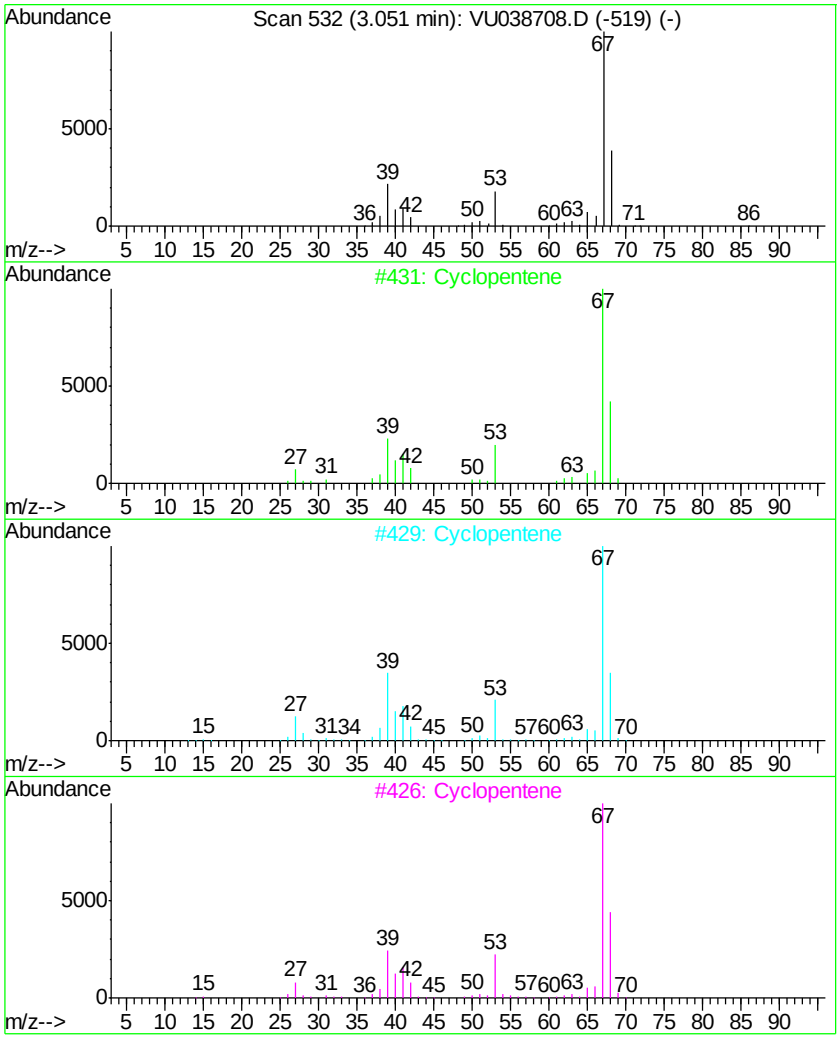
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

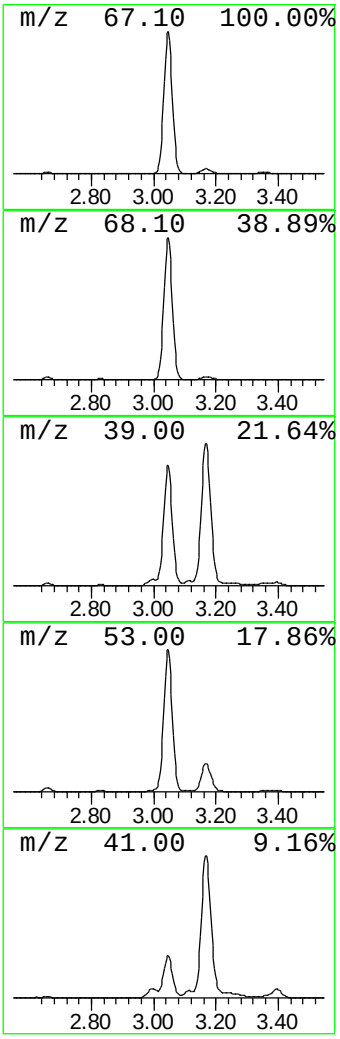
****

Peak Number 12 Cyclopentene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	219.37 ug/L	8045760	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	87
3	Cyclopentene	68	C5H8	000142-29-0	83
4	Cyclopentene	68	C5H8	000142-29-0	78
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

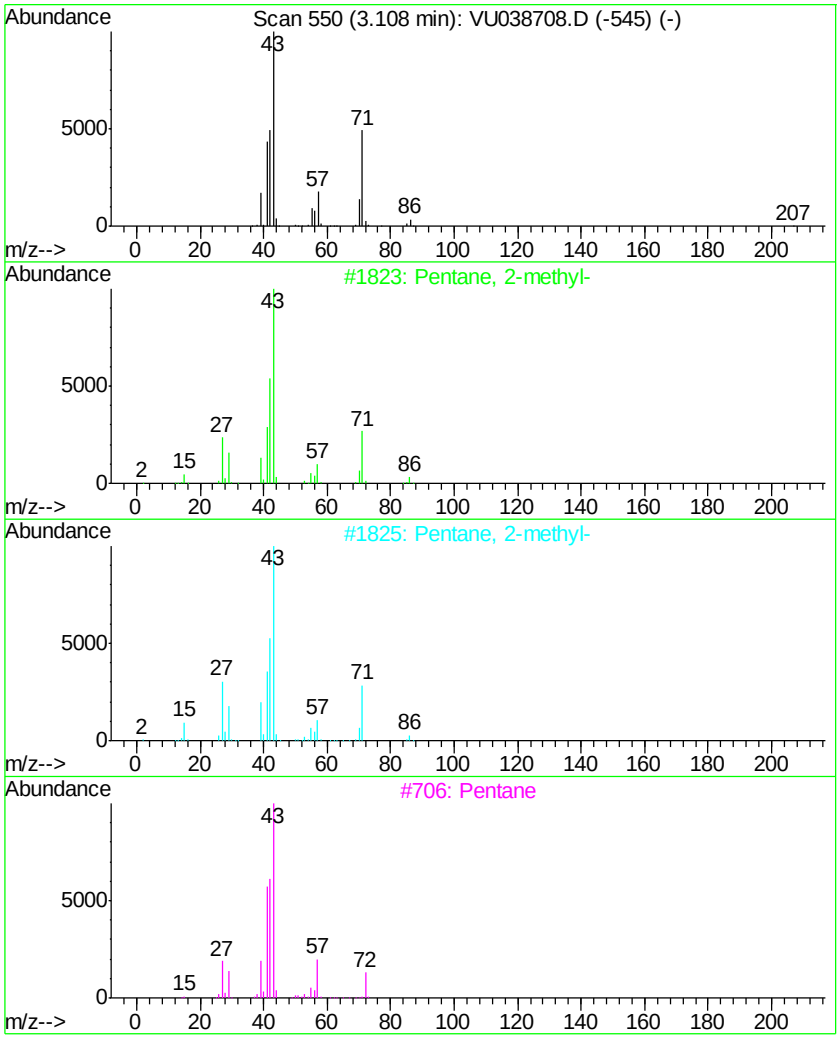
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

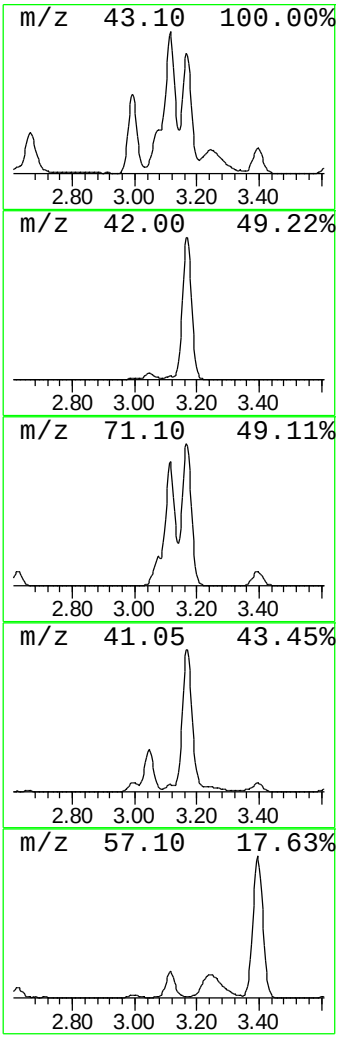
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	7.31 ug/L	268227	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	Pentane	72	C5H12	000109-66-0	49
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

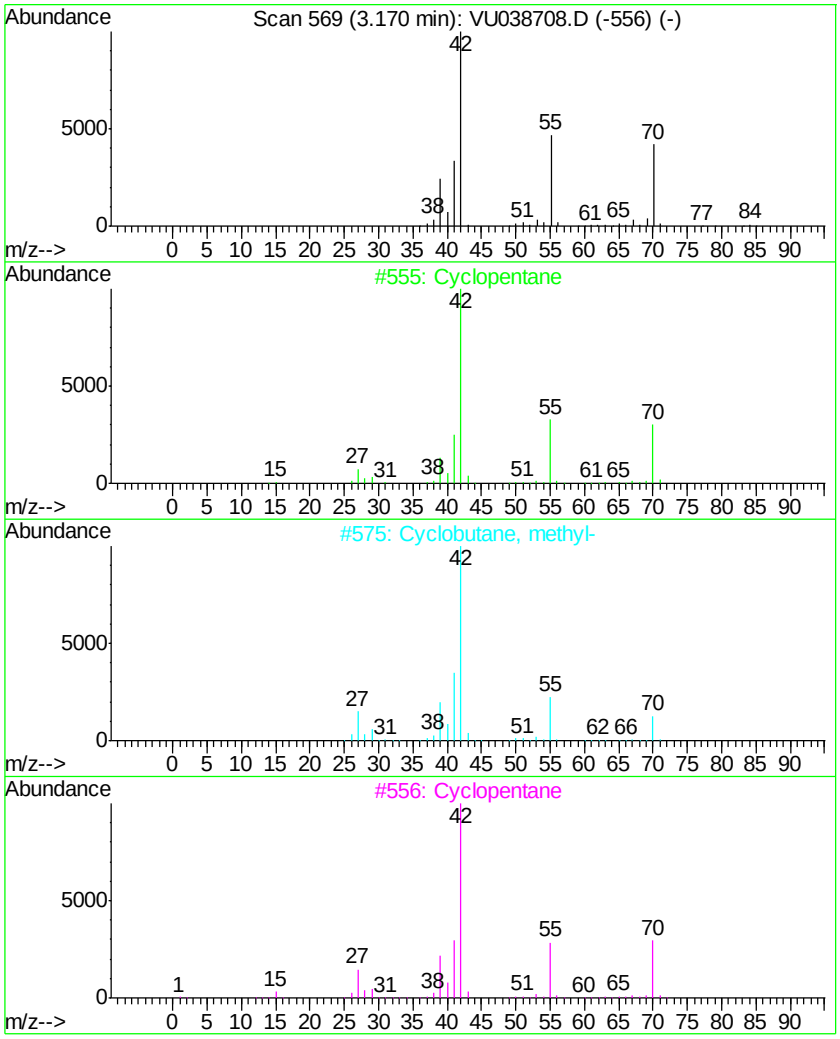
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

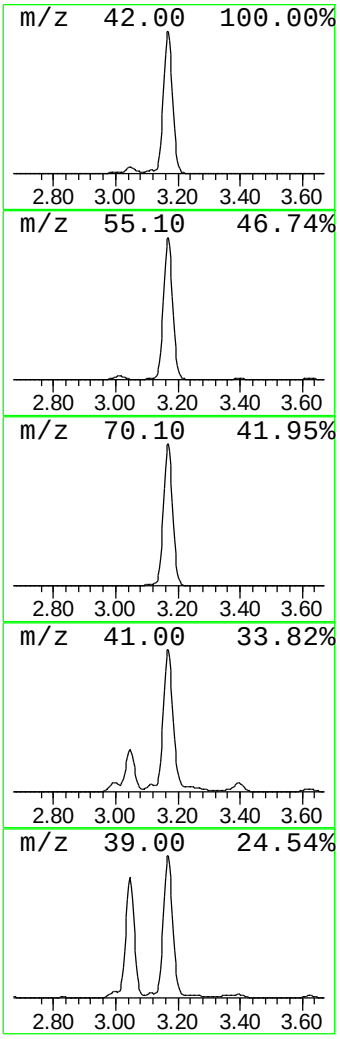
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	299.06 ug/L	10968200	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	78
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
3	Cyclopentane	70	C5H10	000287-92-3	78
4	1-Pentene	70	C5H10	000109-67-1	56
5	1-Pentene	70	C5H10	000109-67-1	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

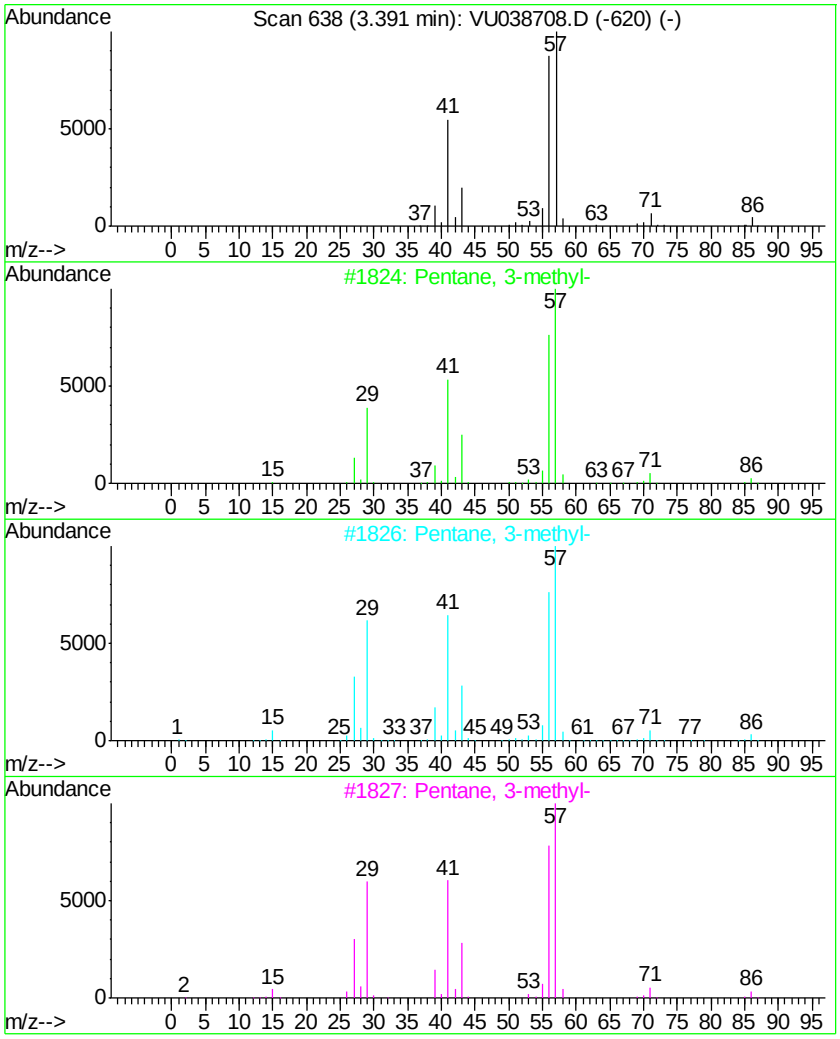
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

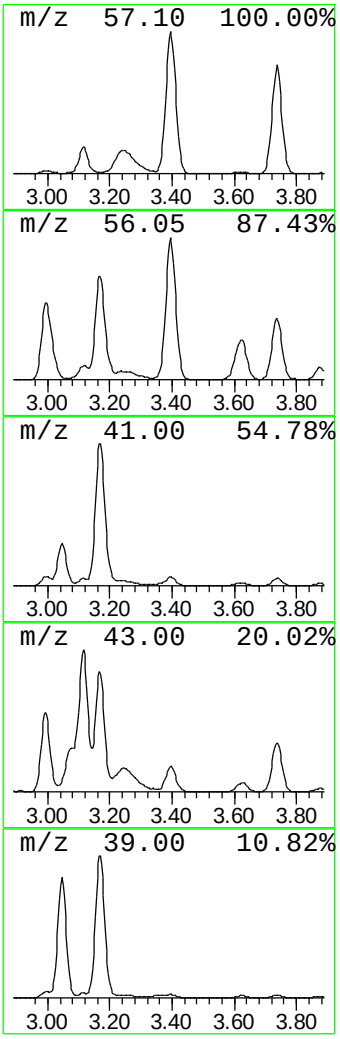
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	17.76 ug/L	651264	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	56
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

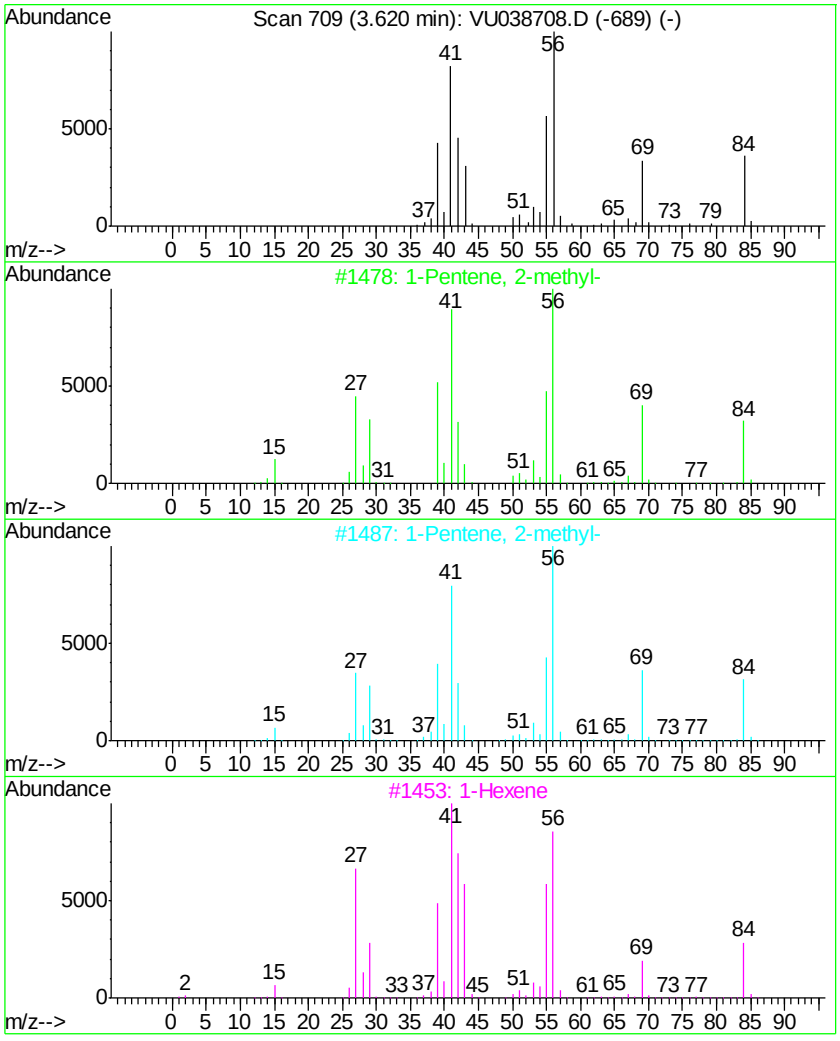
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

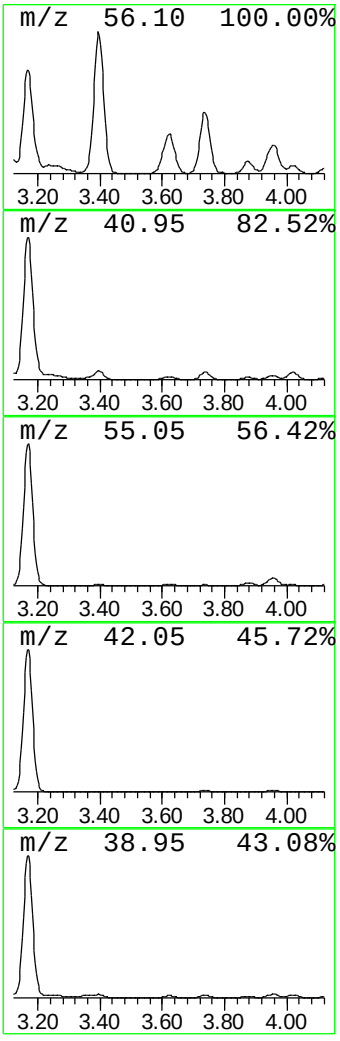
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	5.67 ug/L	207918	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-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3	1-Hexene	84	C6H12	000592-41-6	81
4	1-Hexene	84	C6H12	000592-41-6	74
5	Cyclohexane	84	C6H12	000110-82-7	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

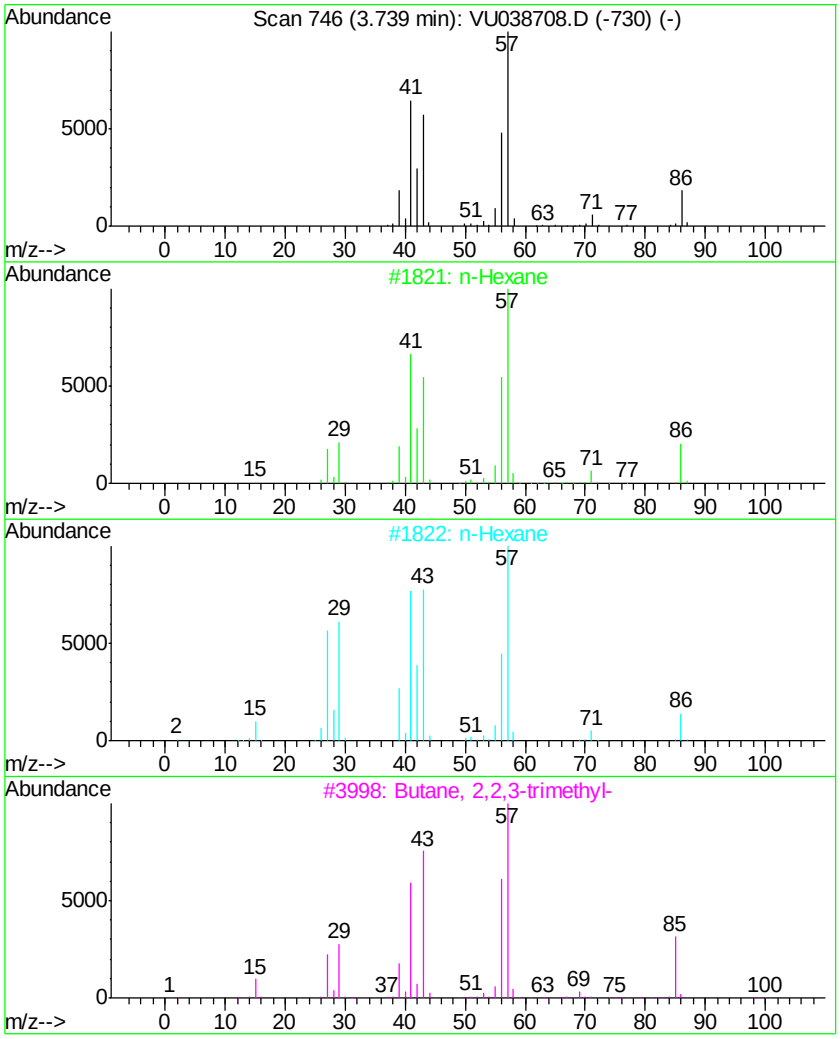
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

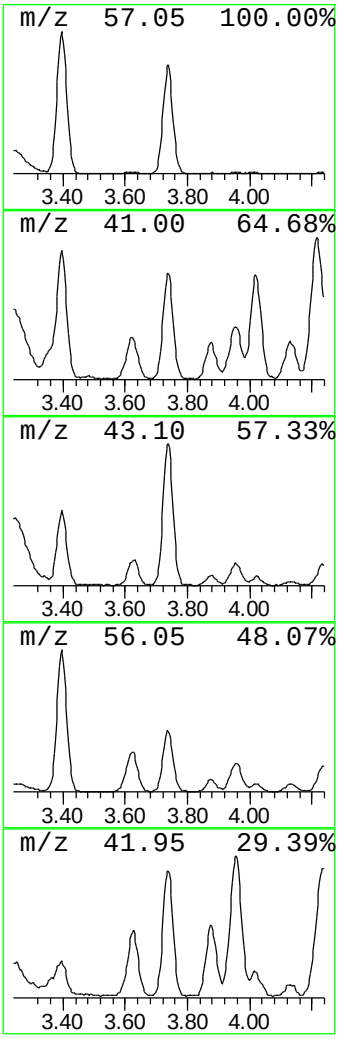
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	12.03 ug/L	441240	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	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5	n-Hexane	86	C6H14	000110-54-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

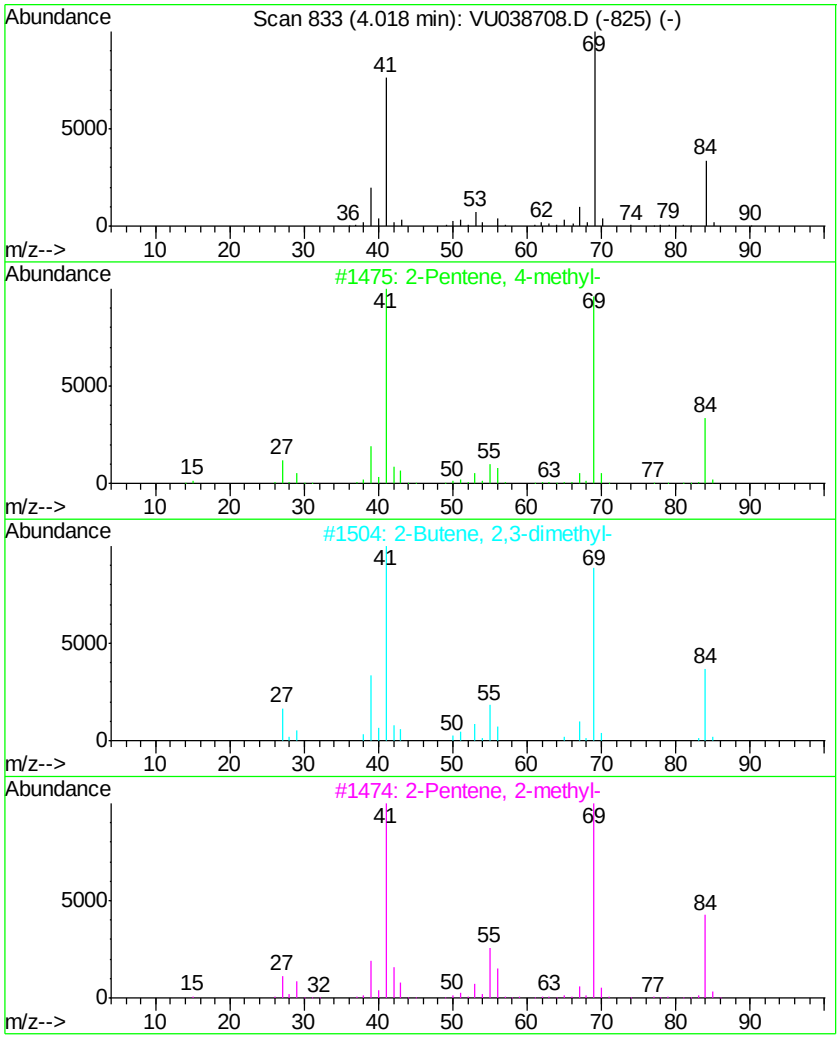
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

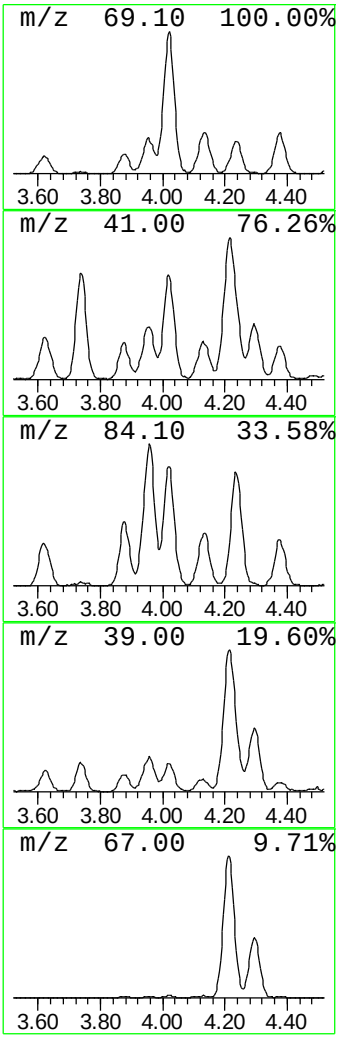
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	8.78 ug/L	321951	1,4-Difluorobenzene	6.29

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

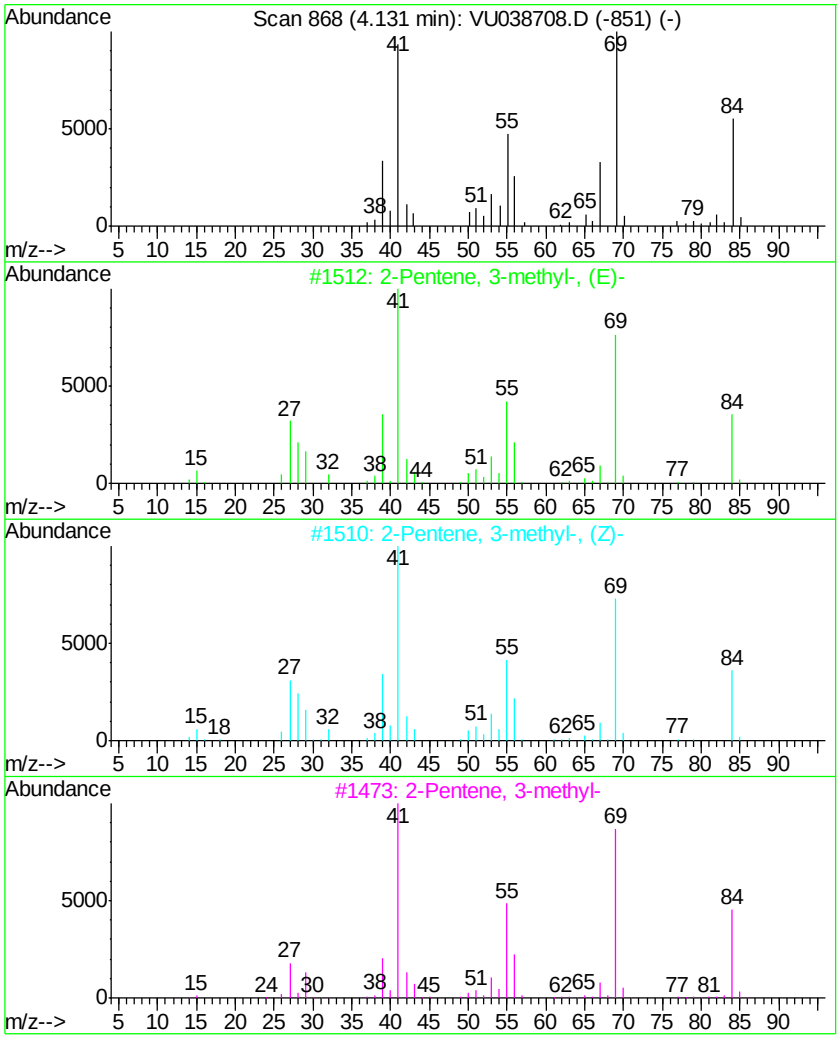
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

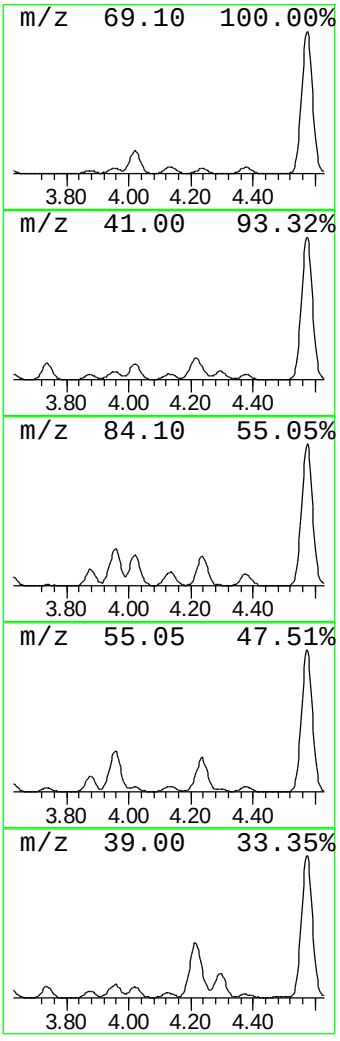
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	4.47 ug/L	163840	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	87
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	87
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

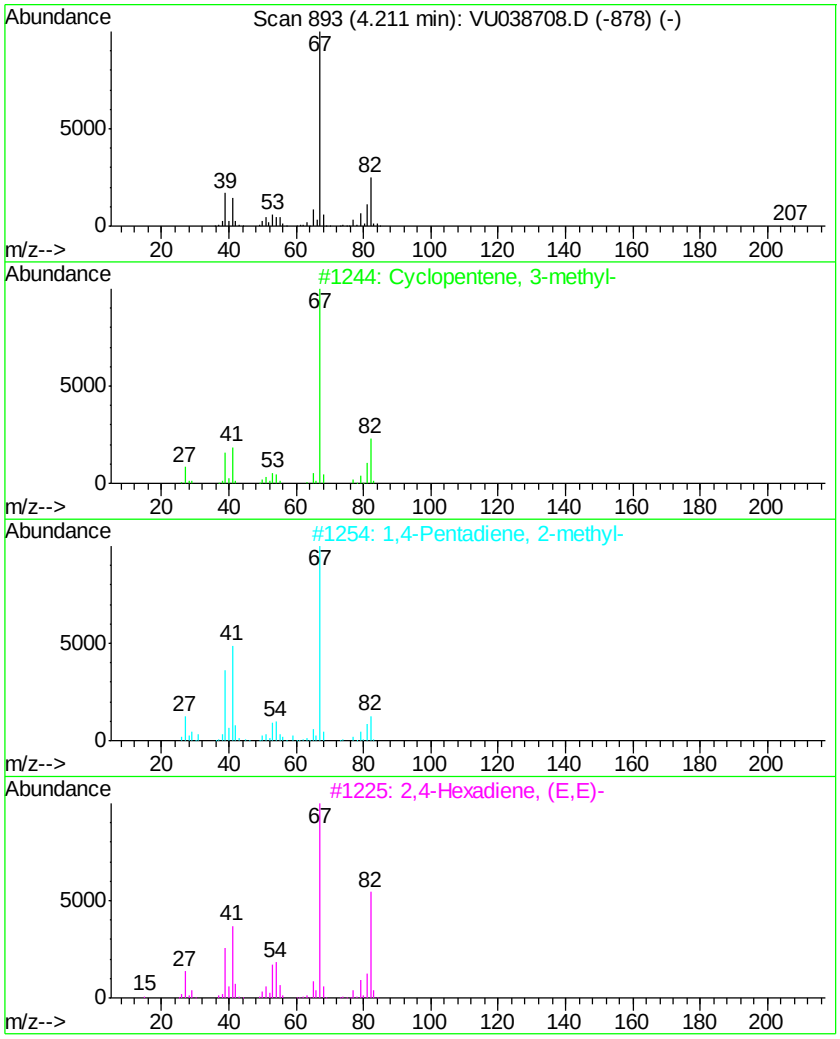
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

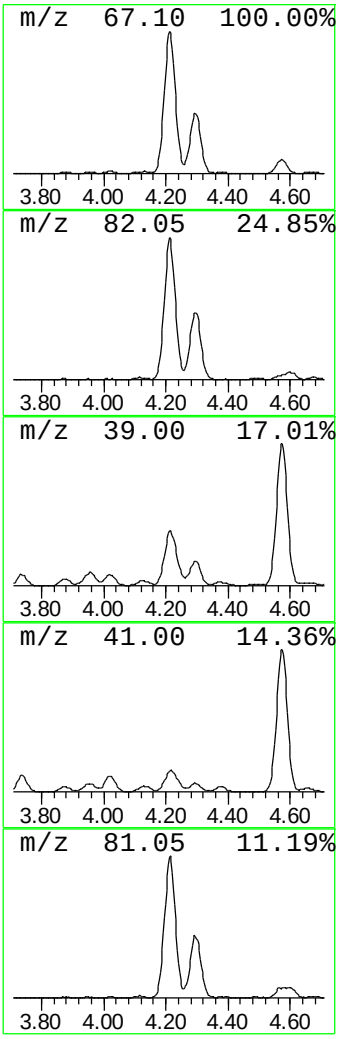
****

Peak Number 20 Cyclopentene, 3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	52.52 ug/L	1926280	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
2	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	91
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	91
4	2,4-Hexadiene	82	C6H10	000592-46-1	91
5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

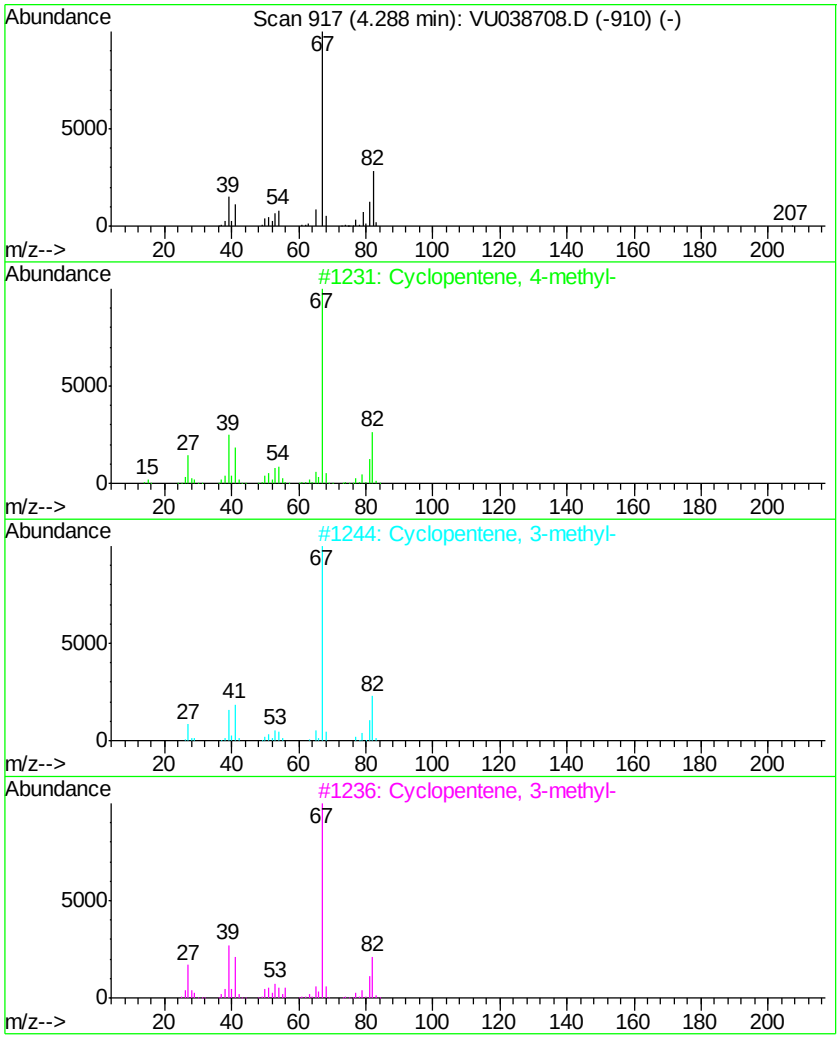
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

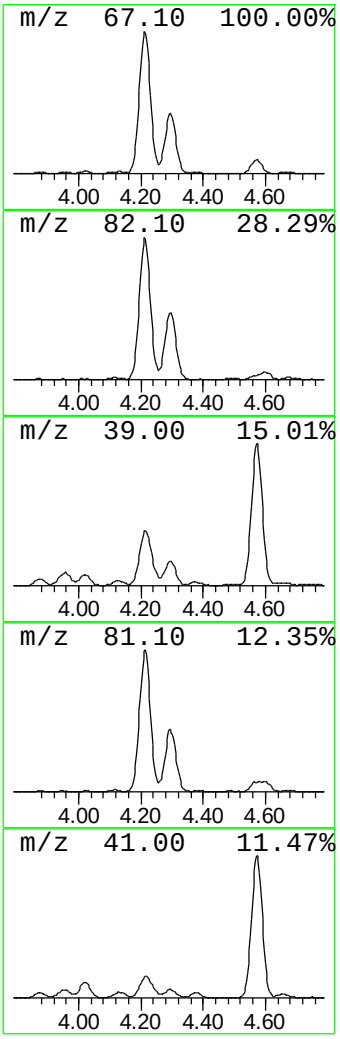
****

Peak Number 21 Cyclopentene, 4-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.29	19.04 ug/L	698175	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	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	87
5	2,4-Hexadiene	82	C6H10	000592-46-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

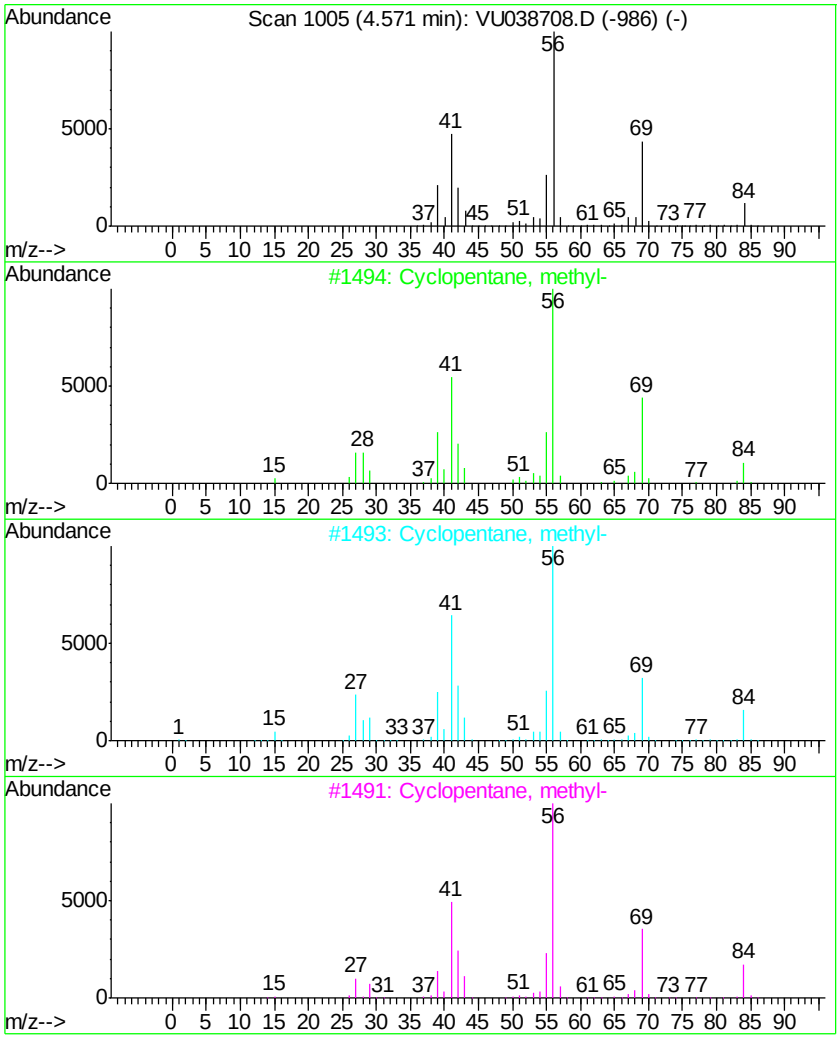
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

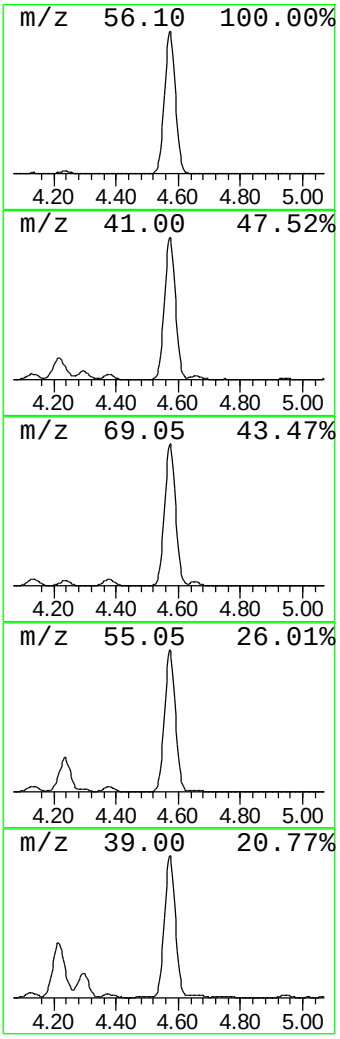
****

Peak Number 22 (DEL) Alkane: Cyclic4.57 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	138.65 ug/L	5085220	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	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

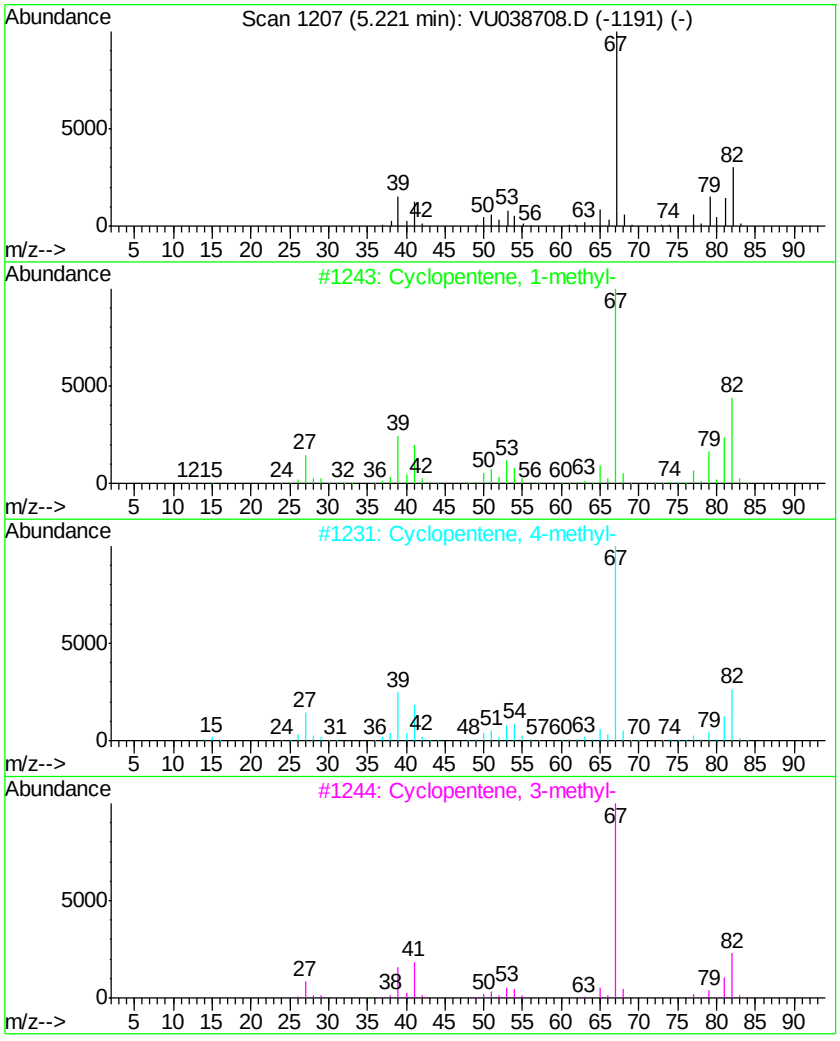
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

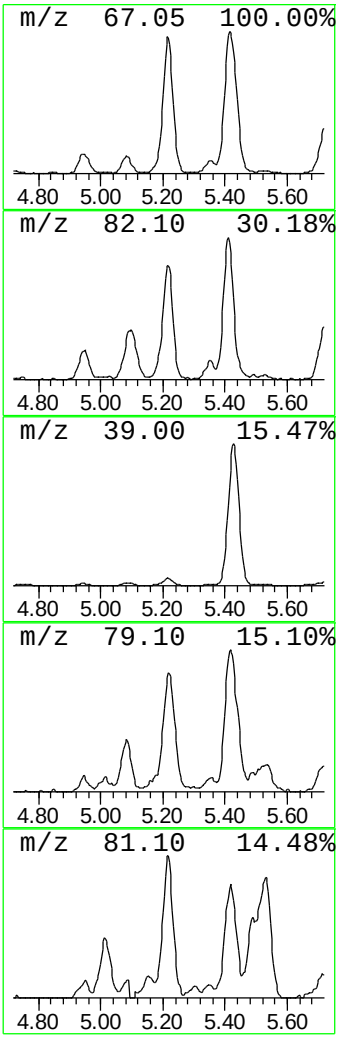
****

Peak Number 23 Cyclopentene, 1-methyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	9.03 ug/L	331031	1,4-Difluorobenzene	6.29

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	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

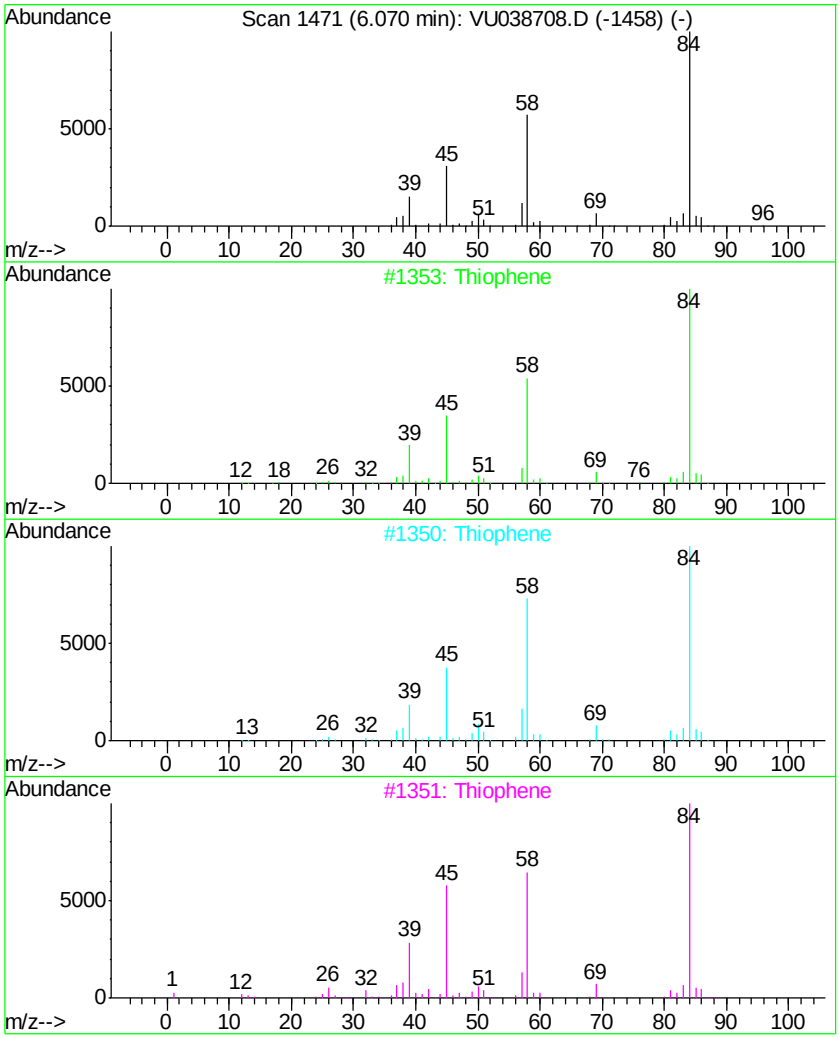
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

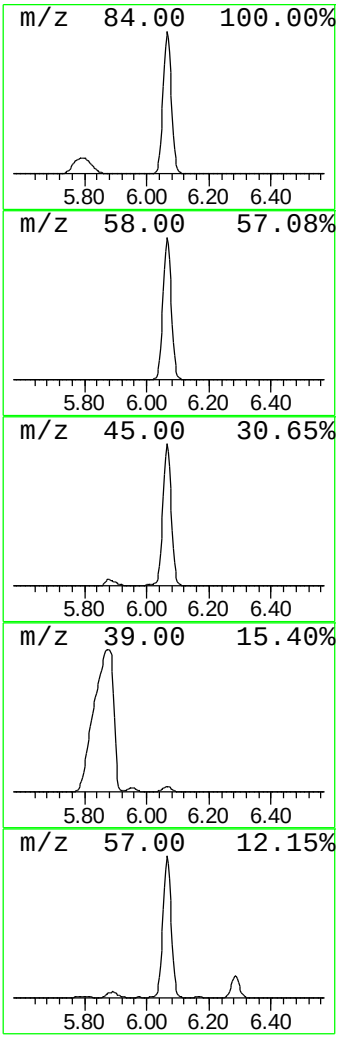
****

Peak Number 25 Thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	295.93 ug/L	10853600	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	94
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	90
4	Thiophene	84	C4H4S	000110-02-1	47
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

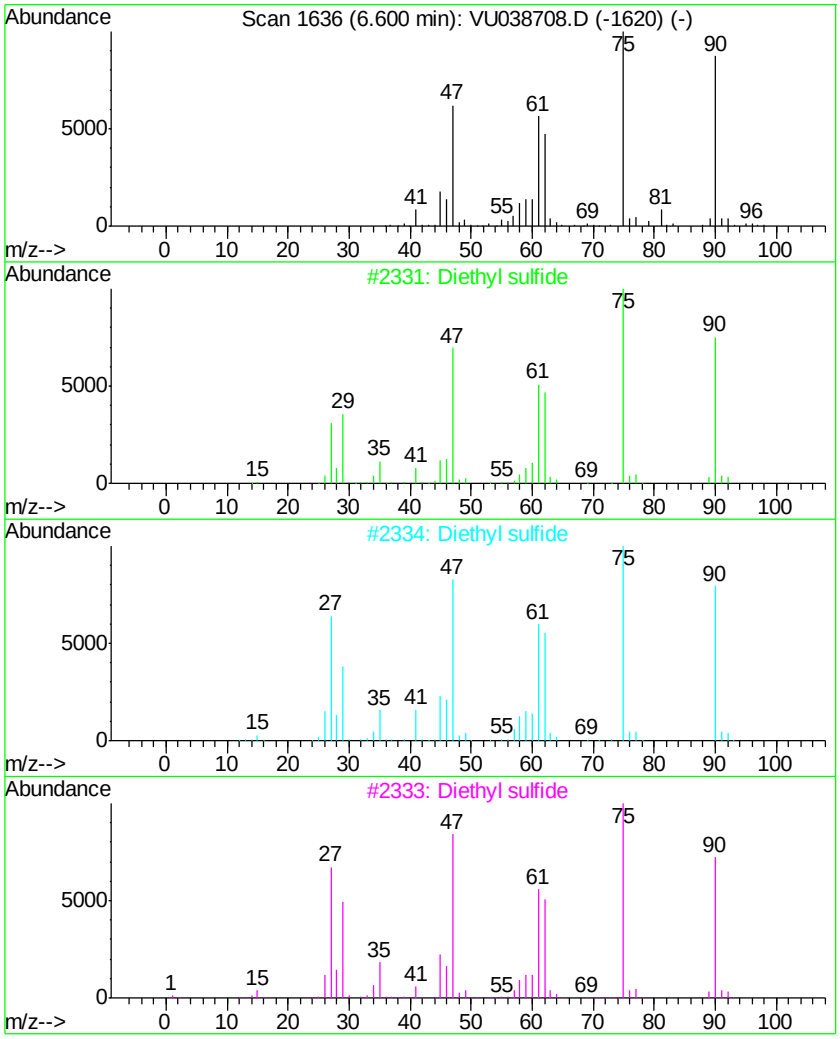
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

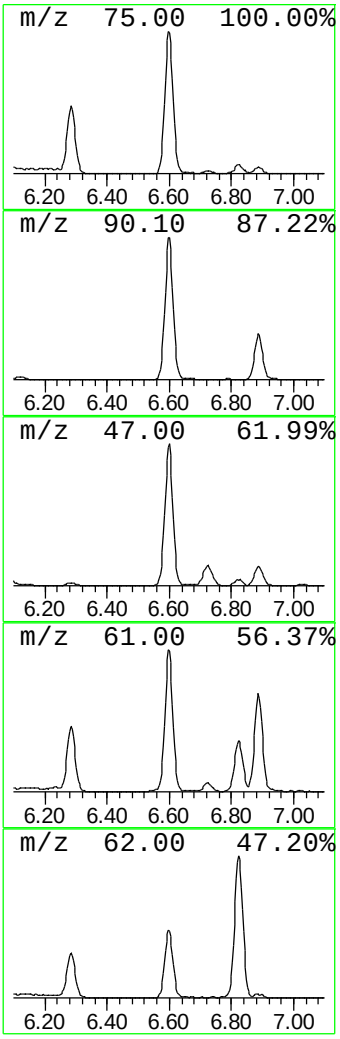
****

Peak Number 26 Diethyl sulfide Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	12.58 ug/L	461474	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	95
4	Diethyl sulfide	90	C4H10S	000352-93-2	91
5	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

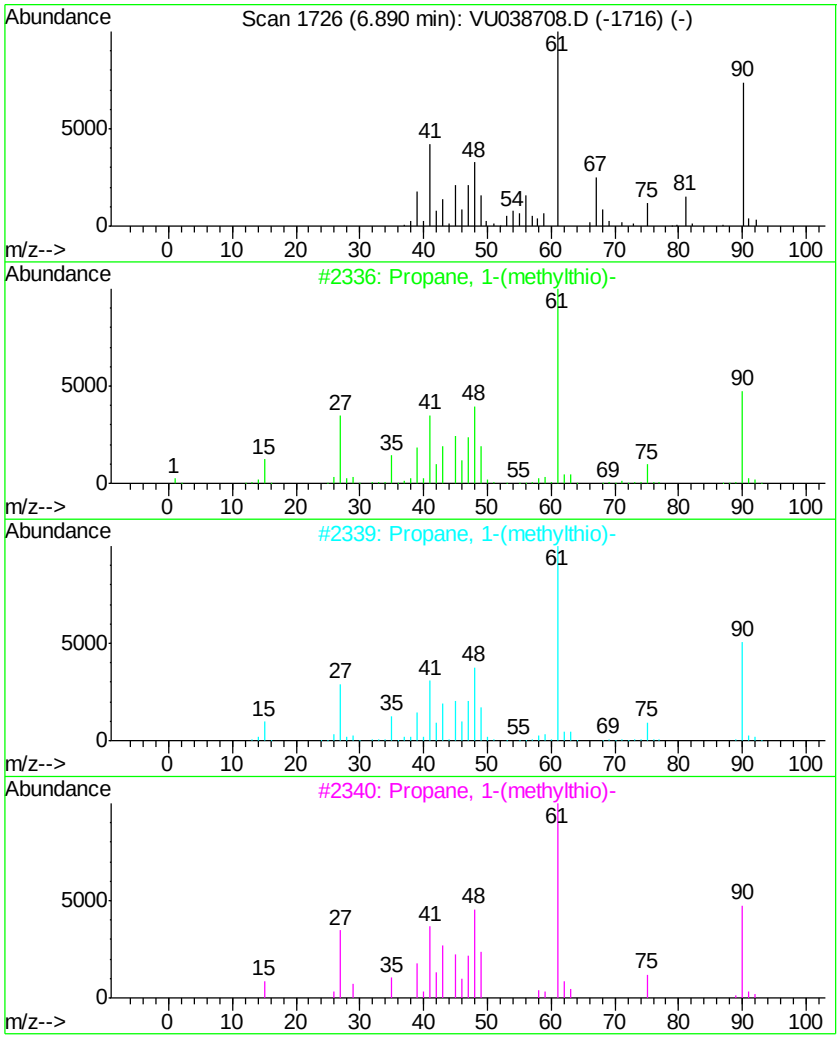
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

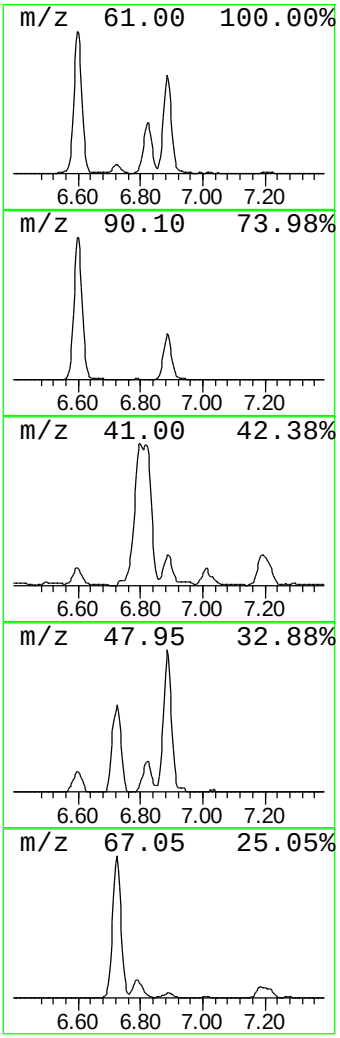
****

Peak Number 27 Propane, 1-(methylthio)- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	4.58 ug/L	167958	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	87
2	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	72
3	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	64
4	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	59
5	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

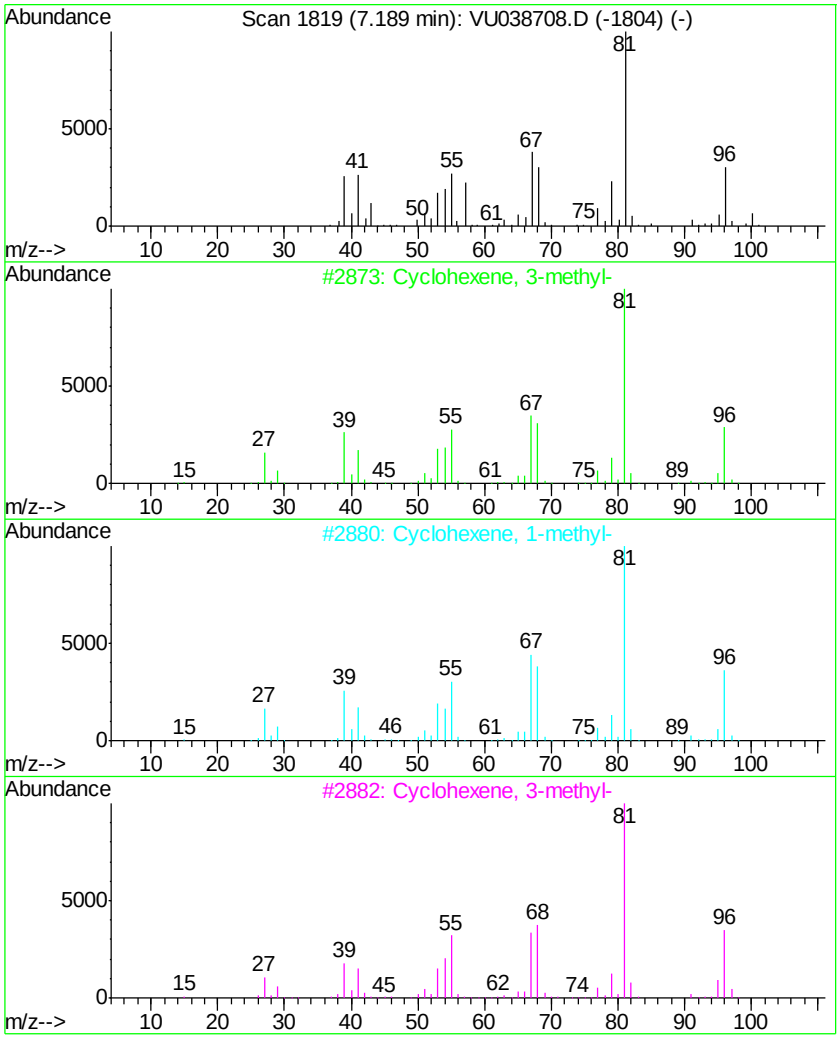
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

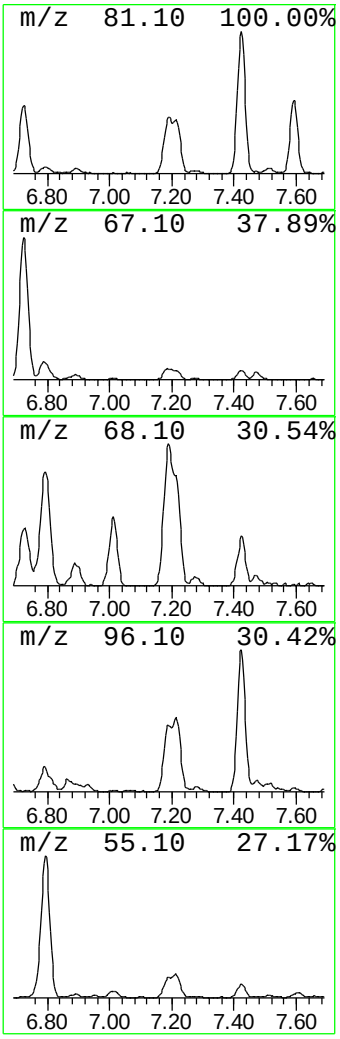
****

Peak Number 28 Cyclohexene, 3-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	7.69 ug/L	281920	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	94
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	86
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

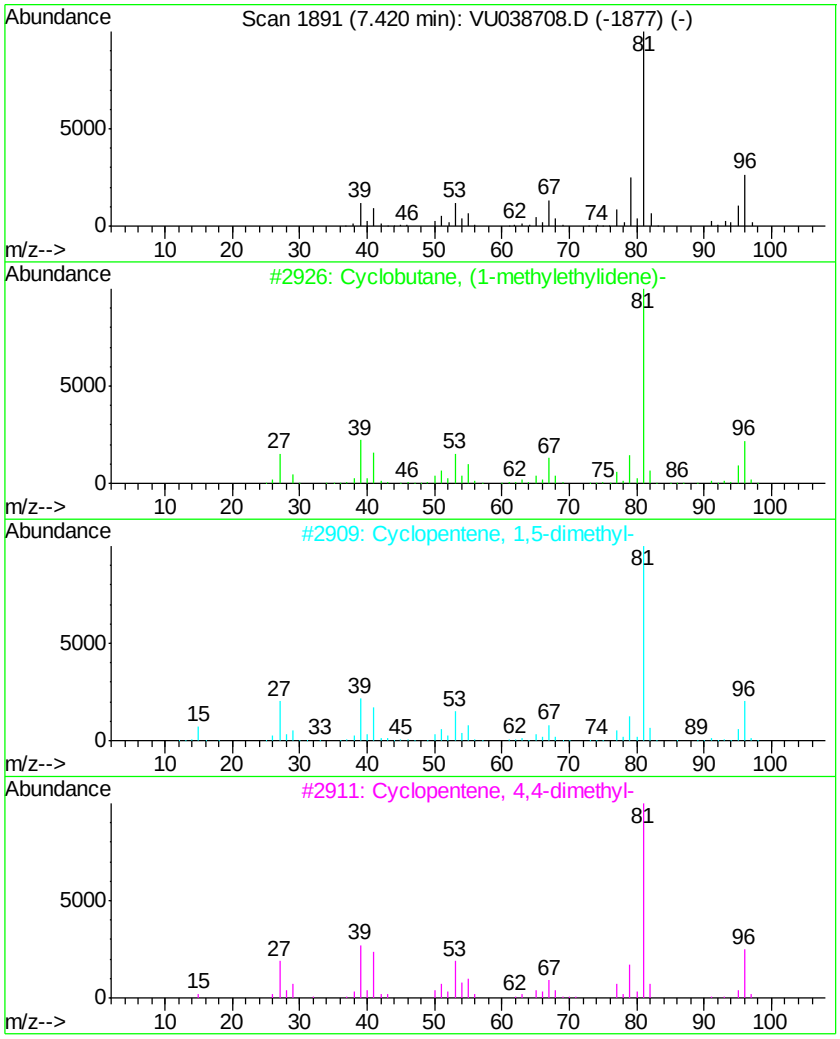
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

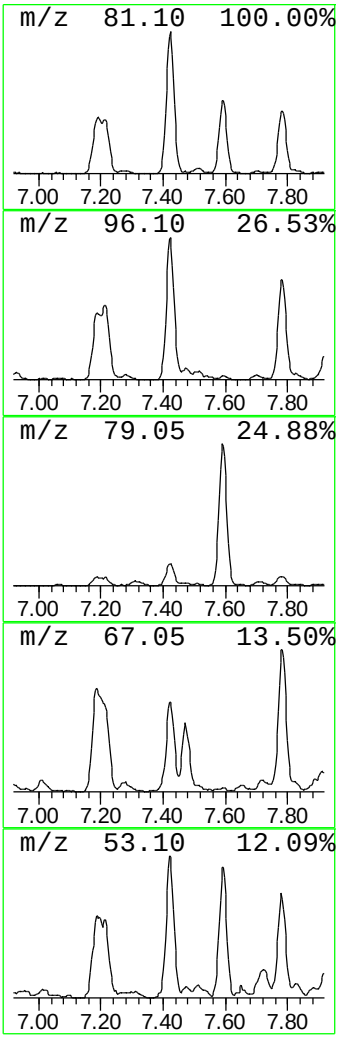
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Cyclobutane, (1-methylethyl... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	11.07 ug/L	406132	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	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
5	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

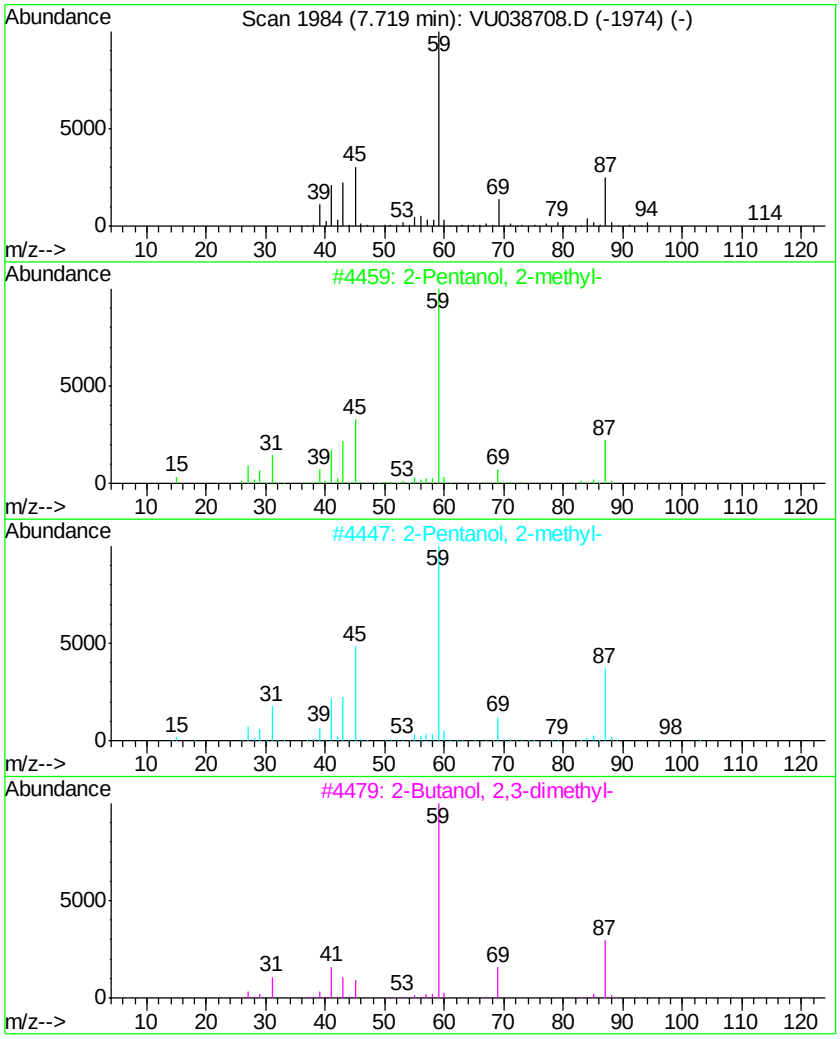
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

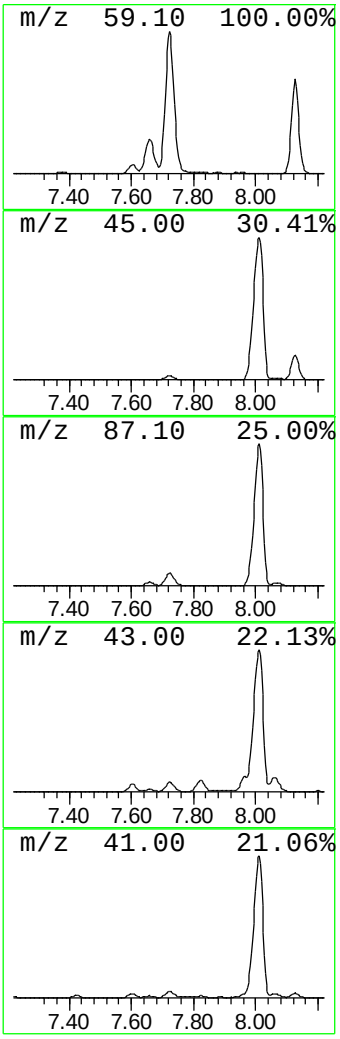
****

Peak Number 31 2-Pentanol, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	13.70 ug/L	502300	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	83
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	78
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	53
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

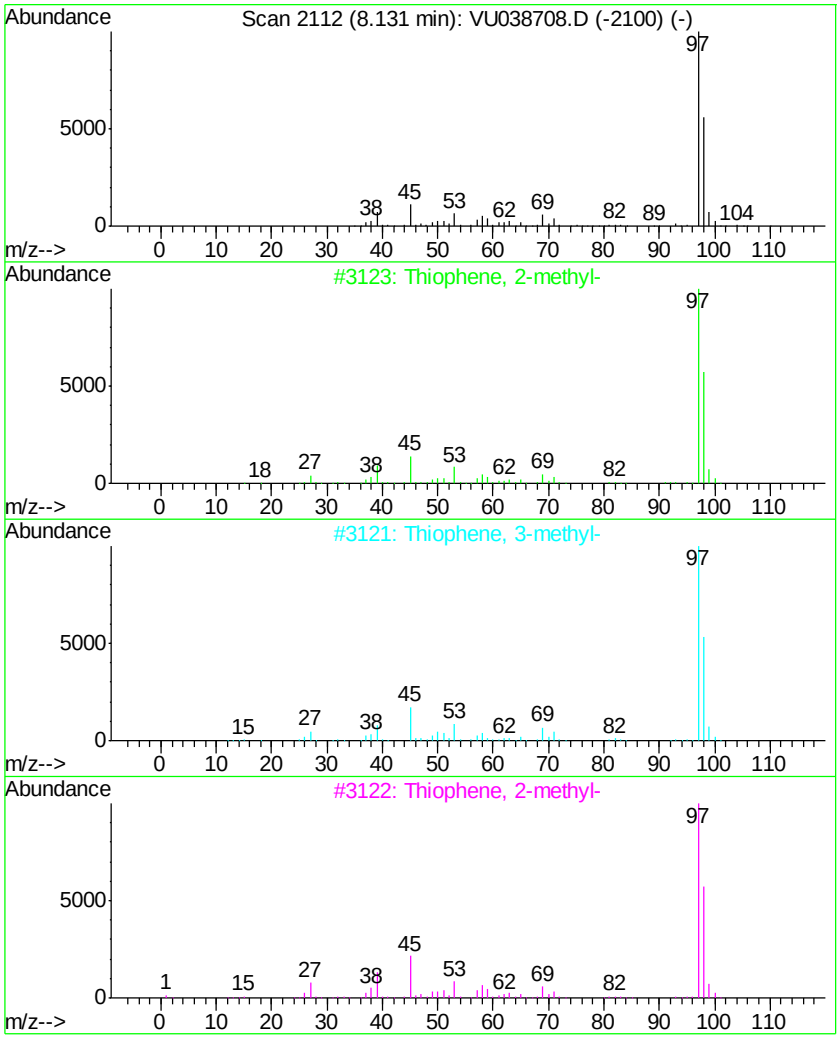
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

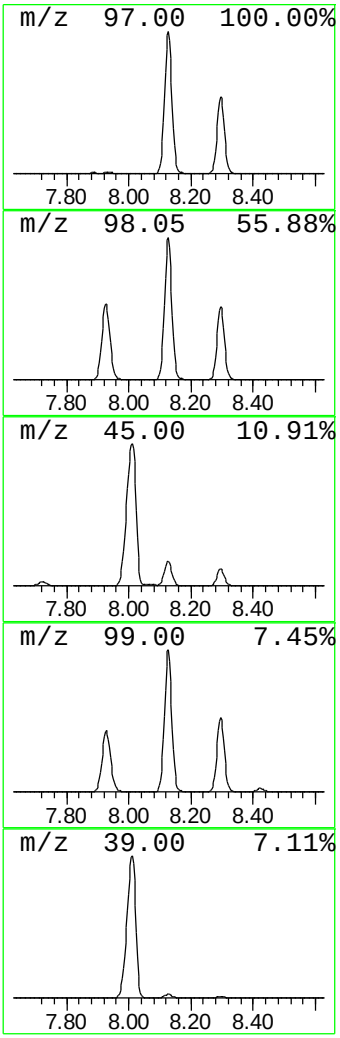
****

Peak Number 32 Thiophene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	155.19 ug/L	6953310	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, 3-methyl-	98	C5H6S	000616-44-4	91
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

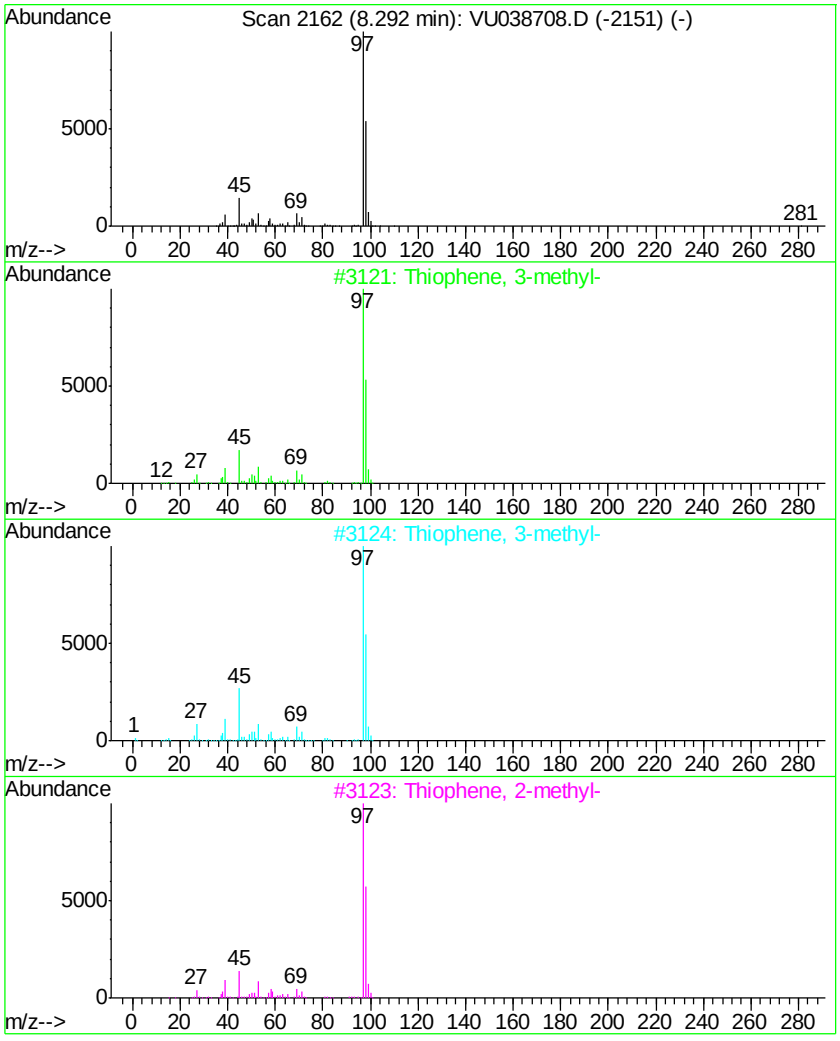
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

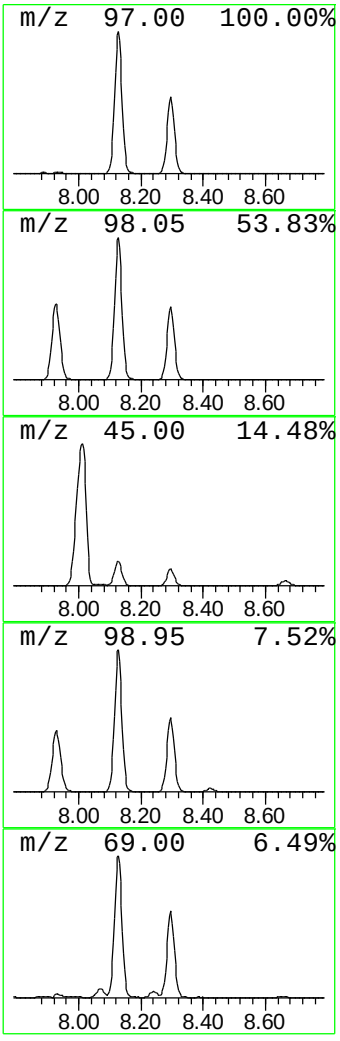
****

Peak Number 33 Thiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	78.03 ug/L	3496280	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, 2-methyl-	98	C5H6S	000554-14-3	91
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

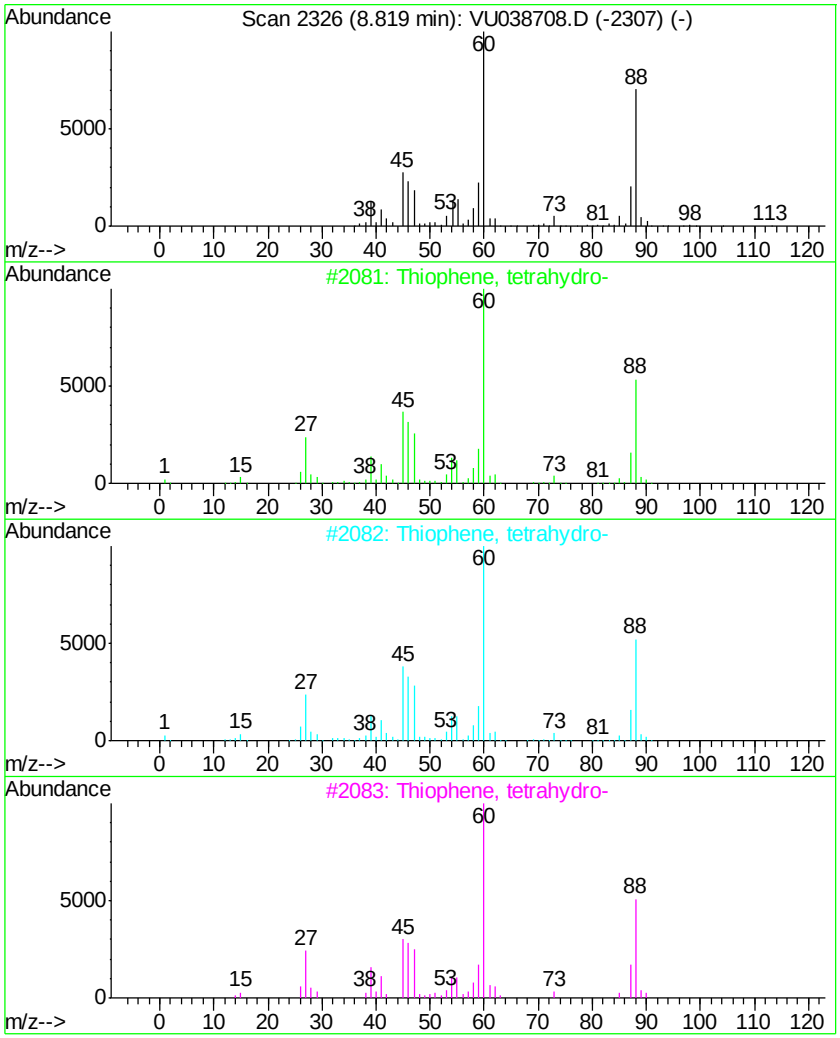
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

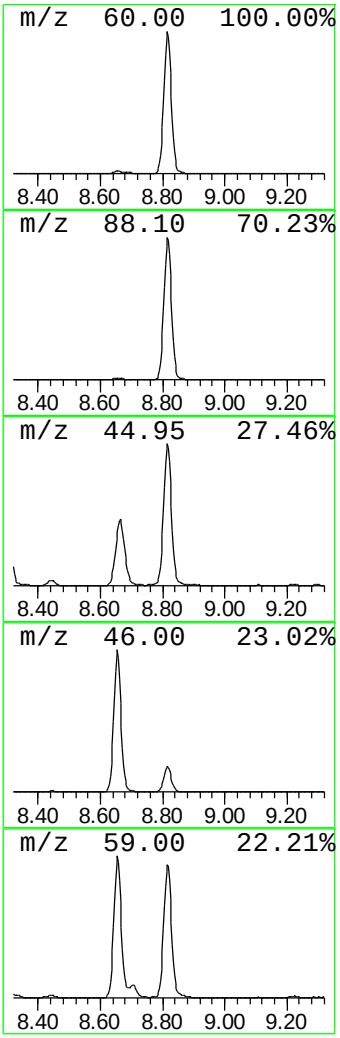
****

Peak Number 34 Thiophene, tetrahydro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	46.70 ug/L	2092470	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	95
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	72
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	64
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

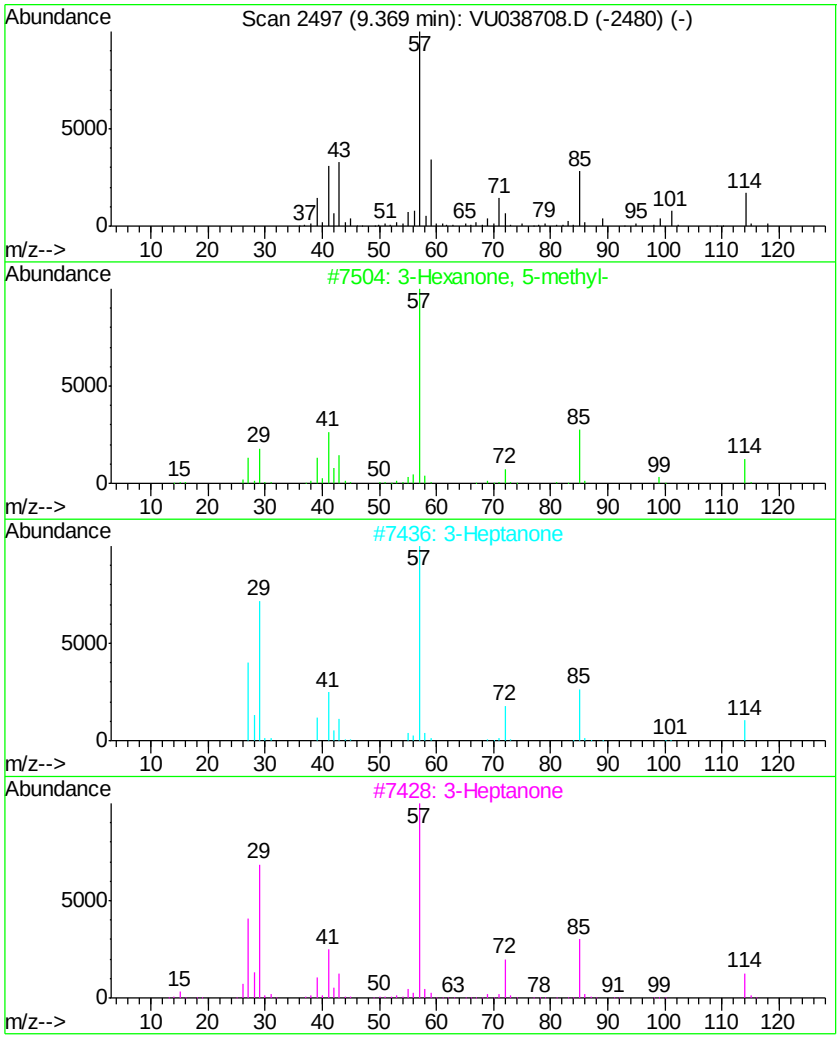
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

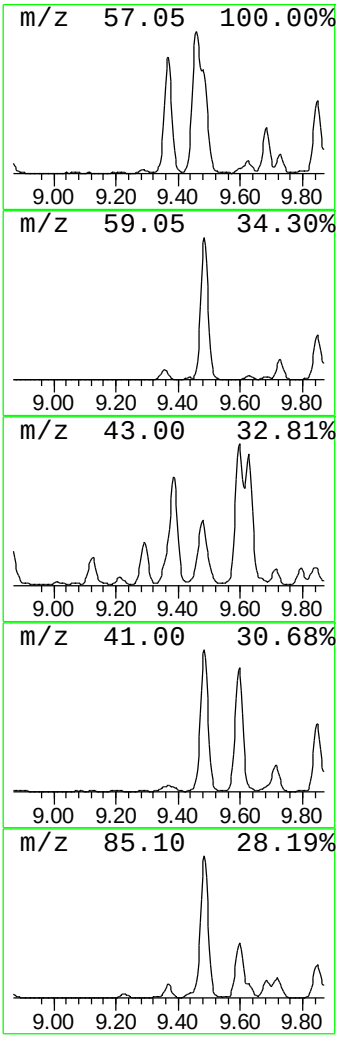
****

Peak Number 35 unknown-01 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	9.68 ug/L	433646	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	38
2	3-Heptanone	114	C7H14O	000106-35-4	30
3	3-Heptanone	114	C7H14O	000106-35-4	30
4	3-Heptanone	114	C7H14O	000106-35-4	27
5	Pentanoic acid, 3-methyl-2-oxo-,...	144	C7H12O3	003682-42-6	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

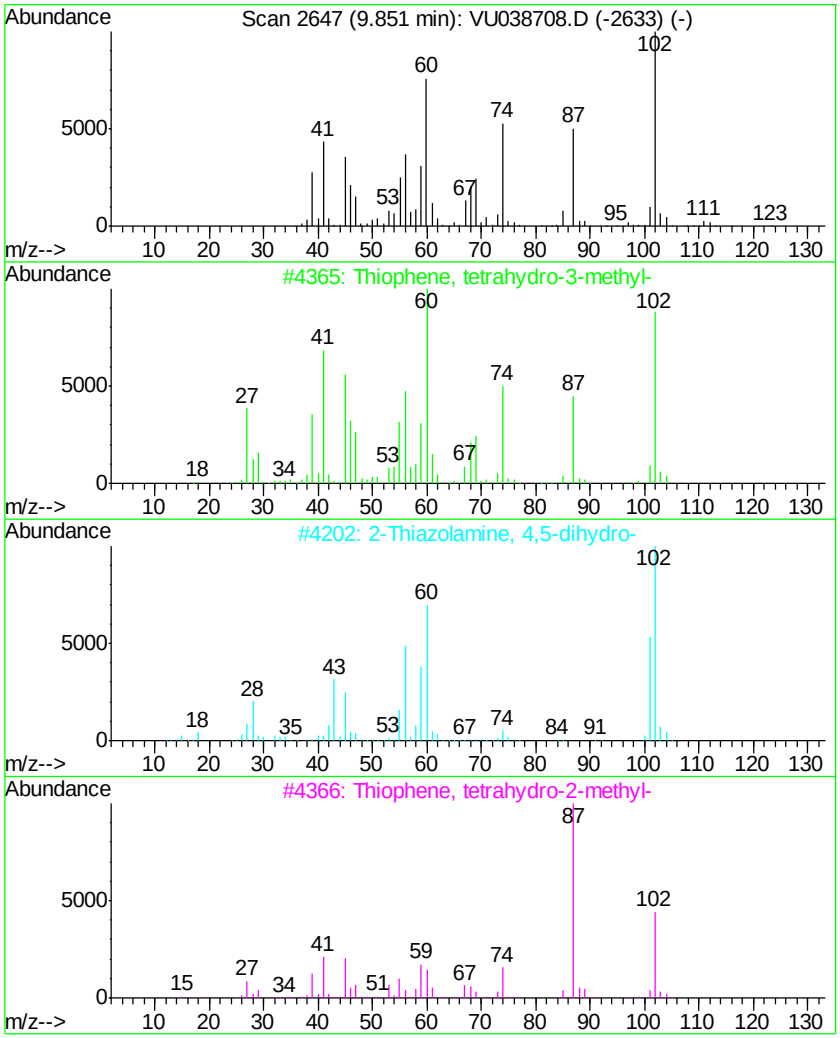
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

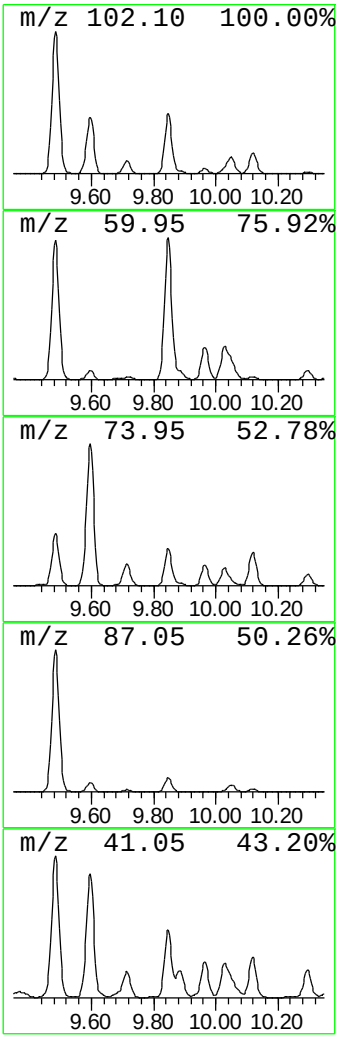
****

Peak Number 36 Thiophene, tetrahydro-3-met... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	79.20 ug/L	3548750	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	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	38
5	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

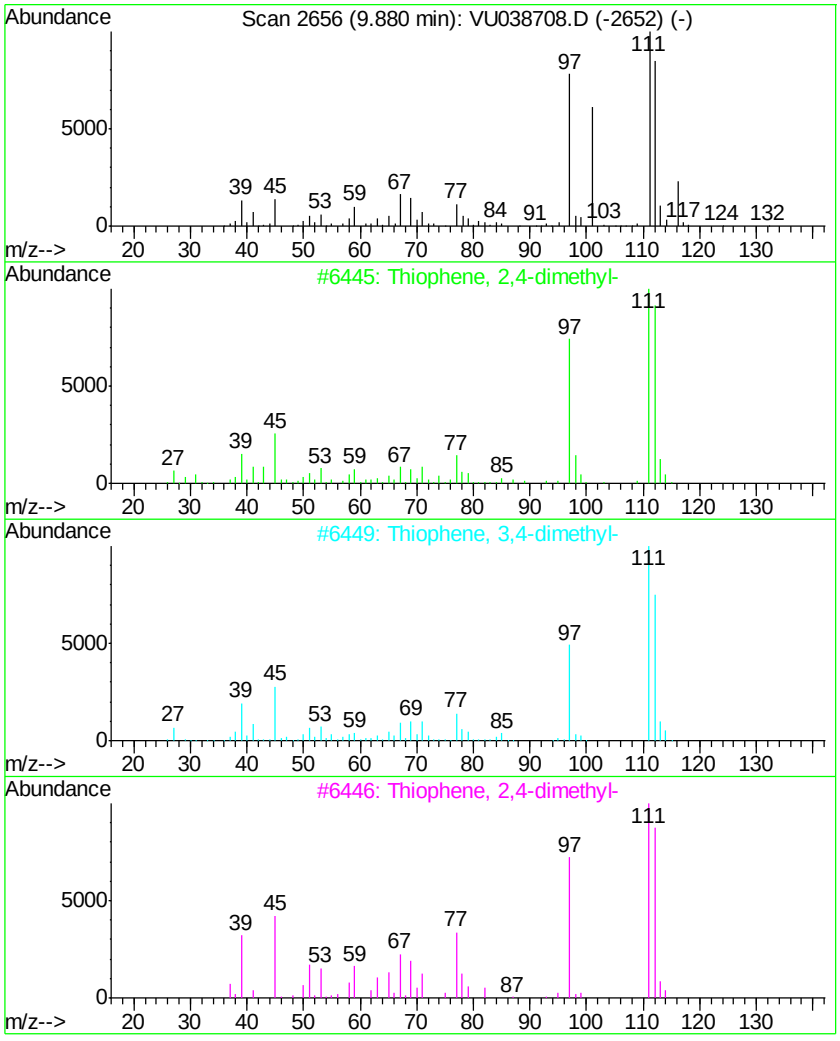
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

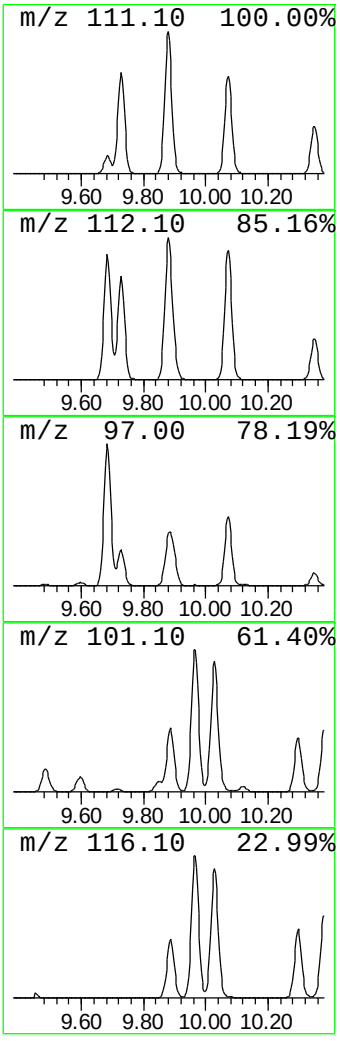
****

Peak Number 37 Thiophene, 2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	73.17 ug/L	3278400	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	70
2	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	64
3	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	62
4	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	53
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

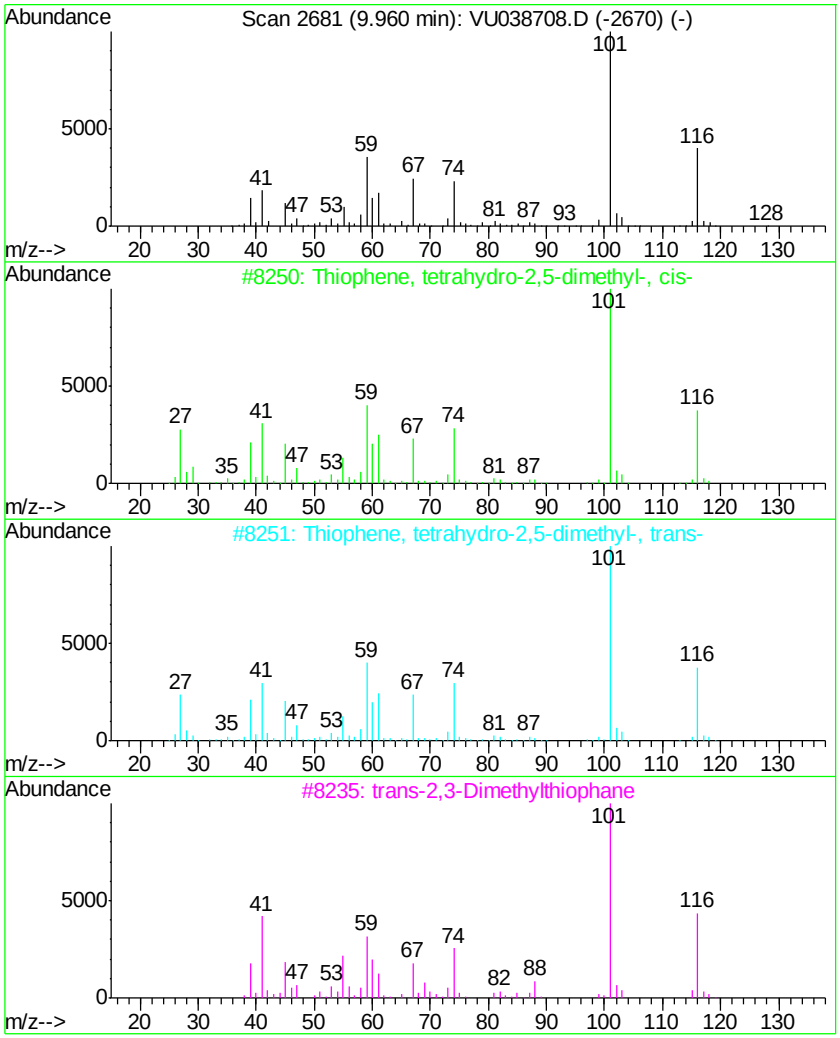
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

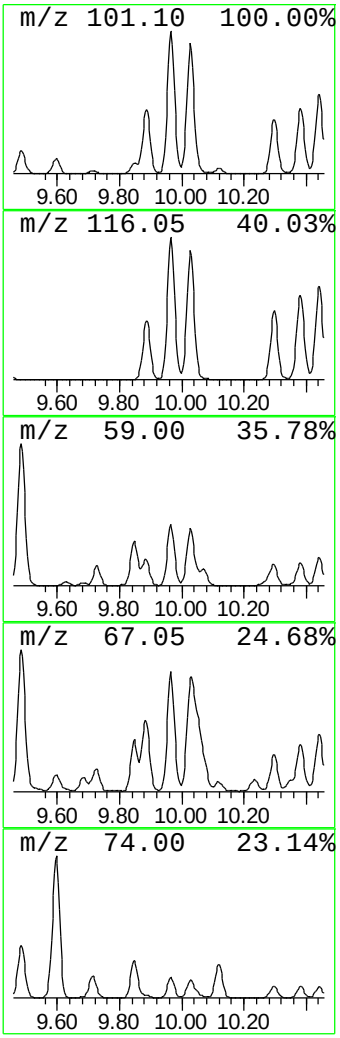
****

Peak Number 38 Thiophene, tetrahydro-2,5-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	55.94 ug/L	2506510	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	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	87
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

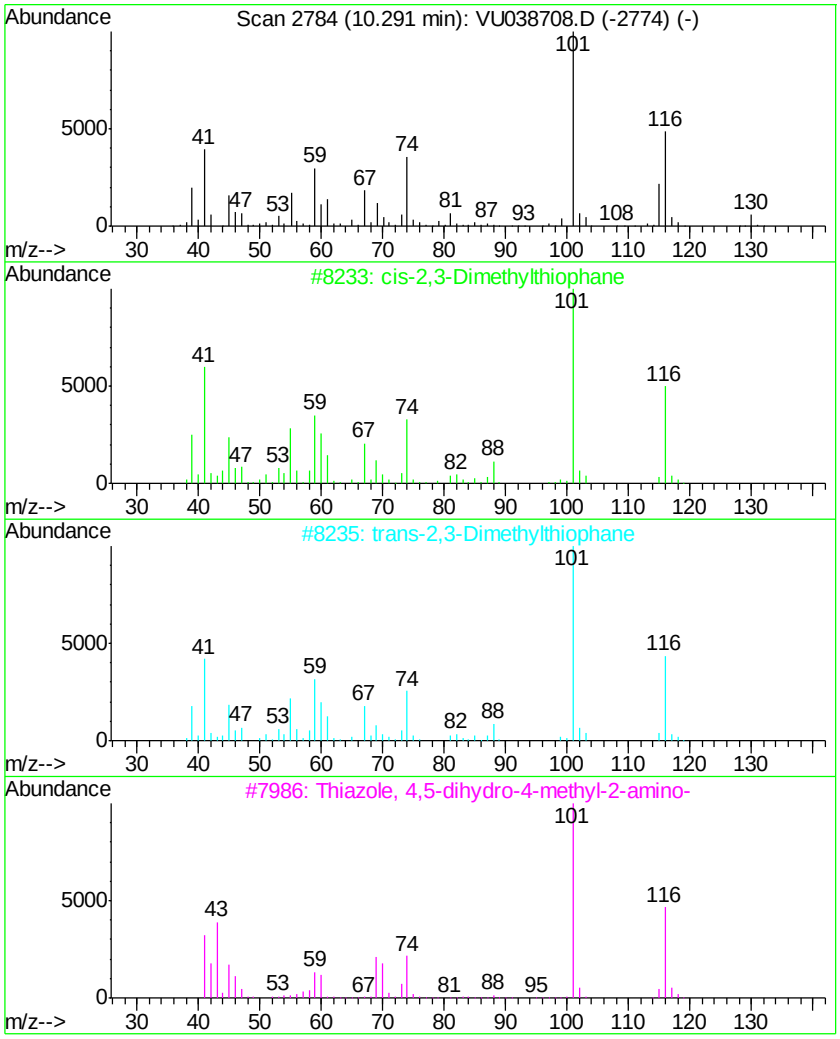
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

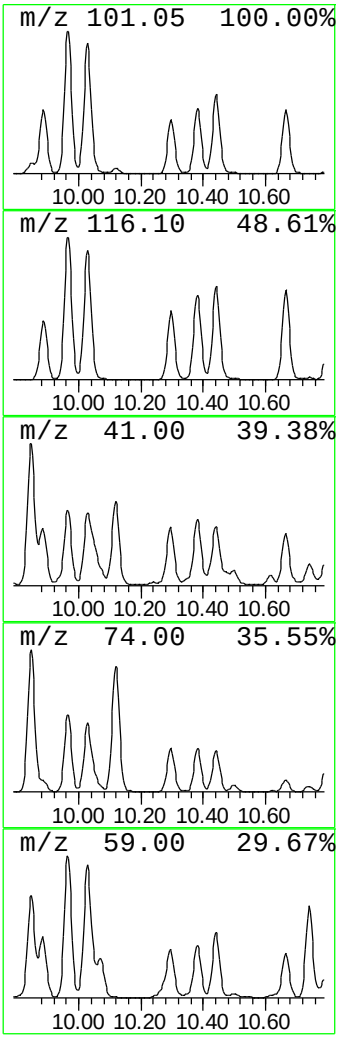
****

Peak Number 40 cis-2,3-Dimethylthiophane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	28.16 ug/L	1261820	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	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	64
4	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	53
5	1,2,4-Thiadiazole, 5-amino-	101	C2H3N3S	007552-07-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

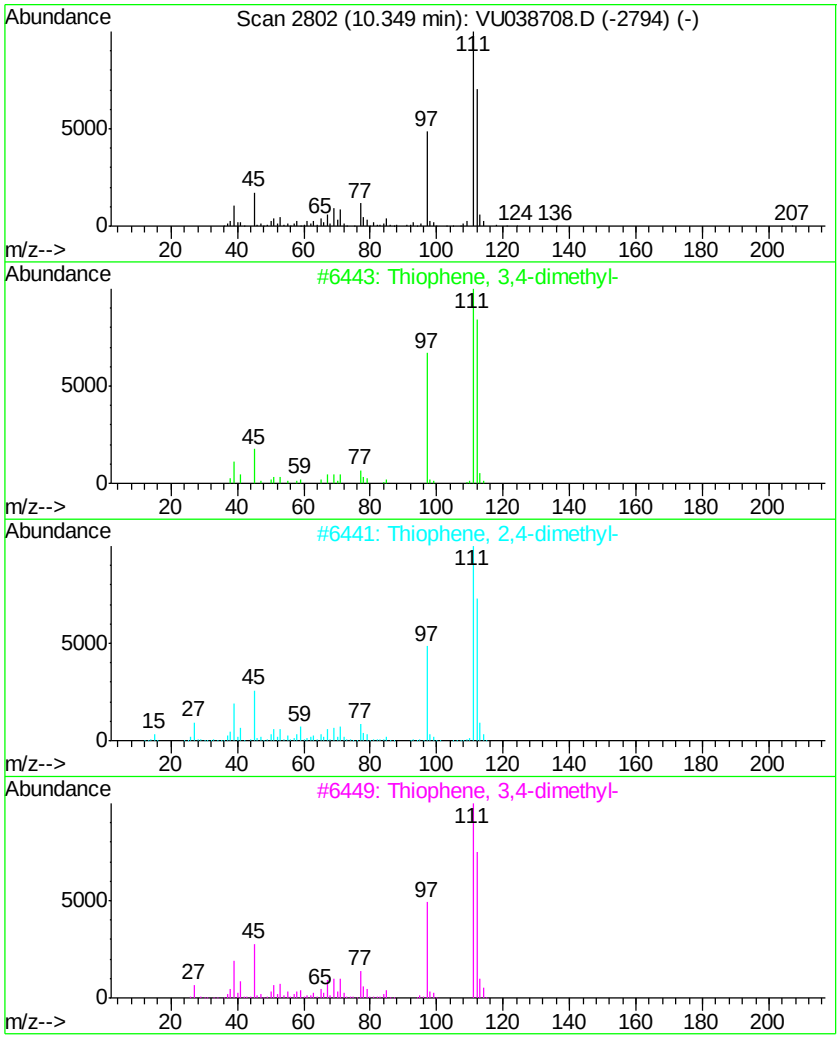
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

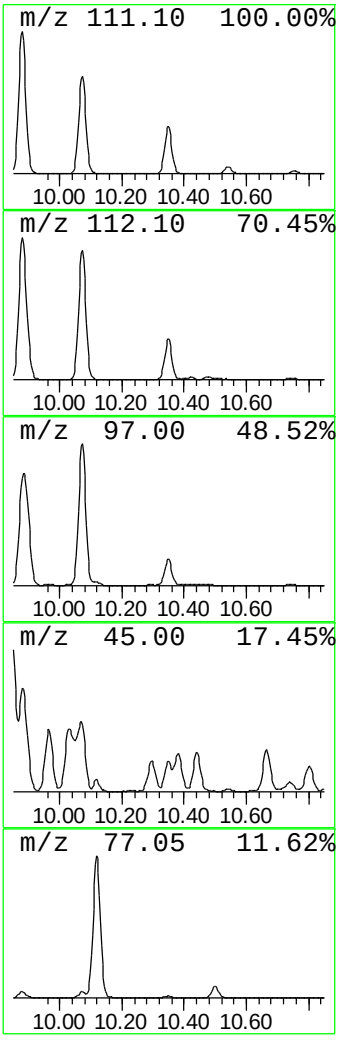
****

Peak Number 41 Thiophene, 3,4-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	14.93 ug/L	668968	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	87
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	80
3	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	78
4	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	52
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

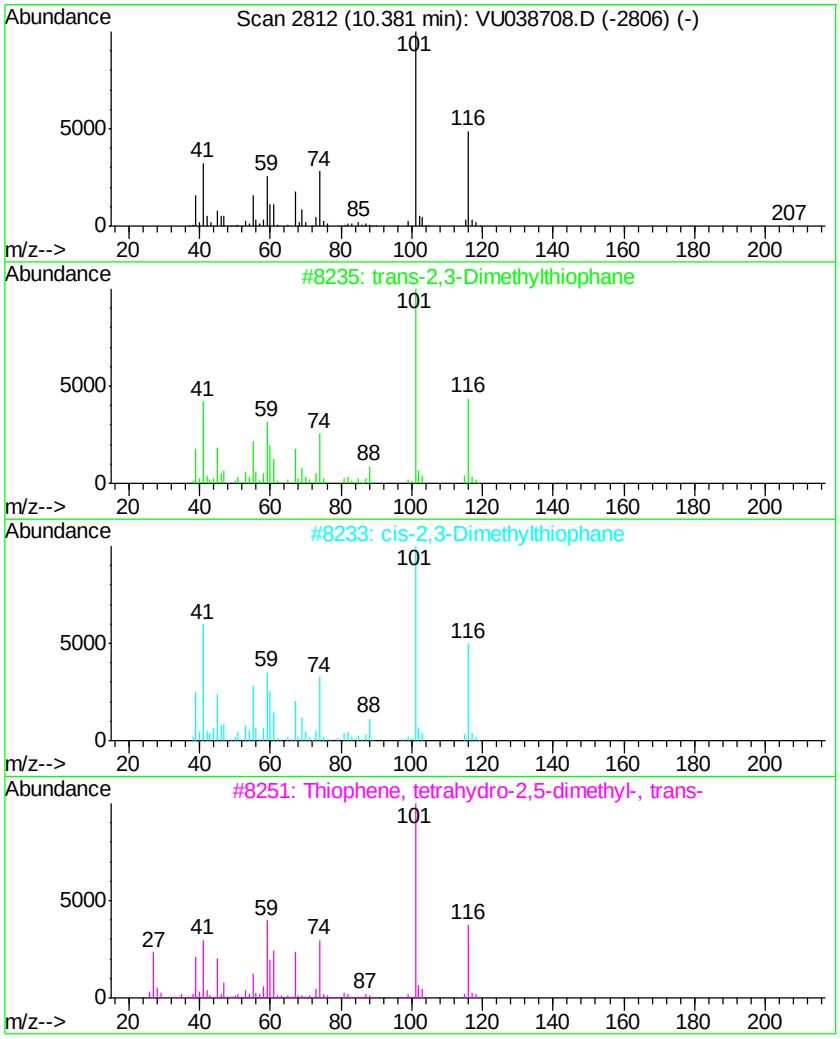
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

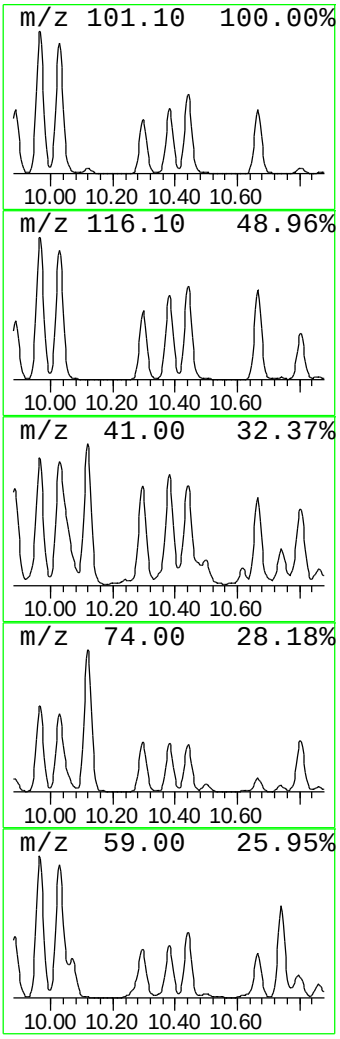
****

Peak Number 42 trans-2,3-Dimethylthiophane Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	32.26 ug/L	1445300	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
2	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	86
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	80
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	80
5	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

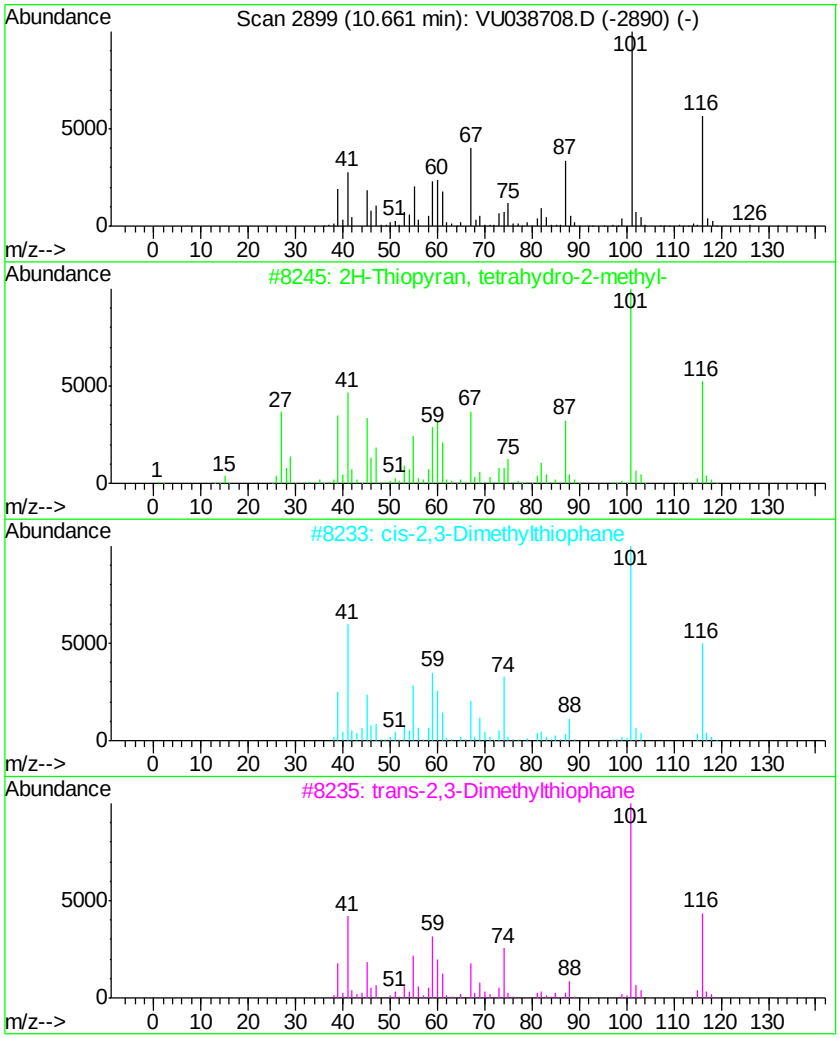
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

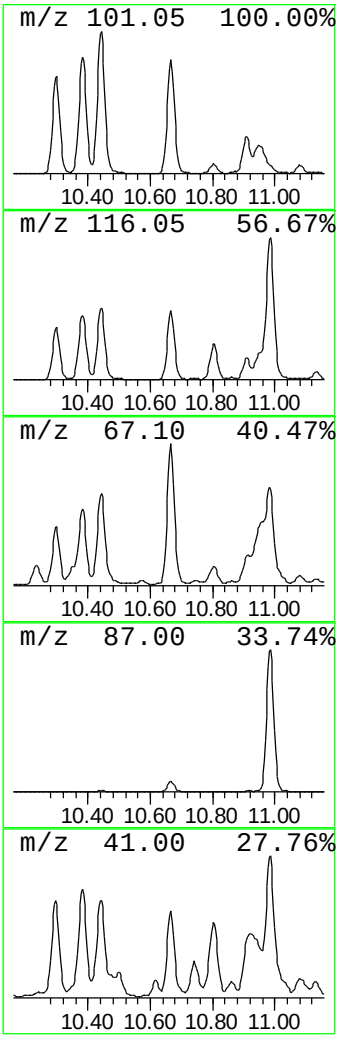
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 2H-Thiopyran, tetrahydro-2-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	24.75 ug/L	1455790	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	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	81
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	70
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	53
5	2-Ethylthiacyclohexane	130	C7H14S	001613-52-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

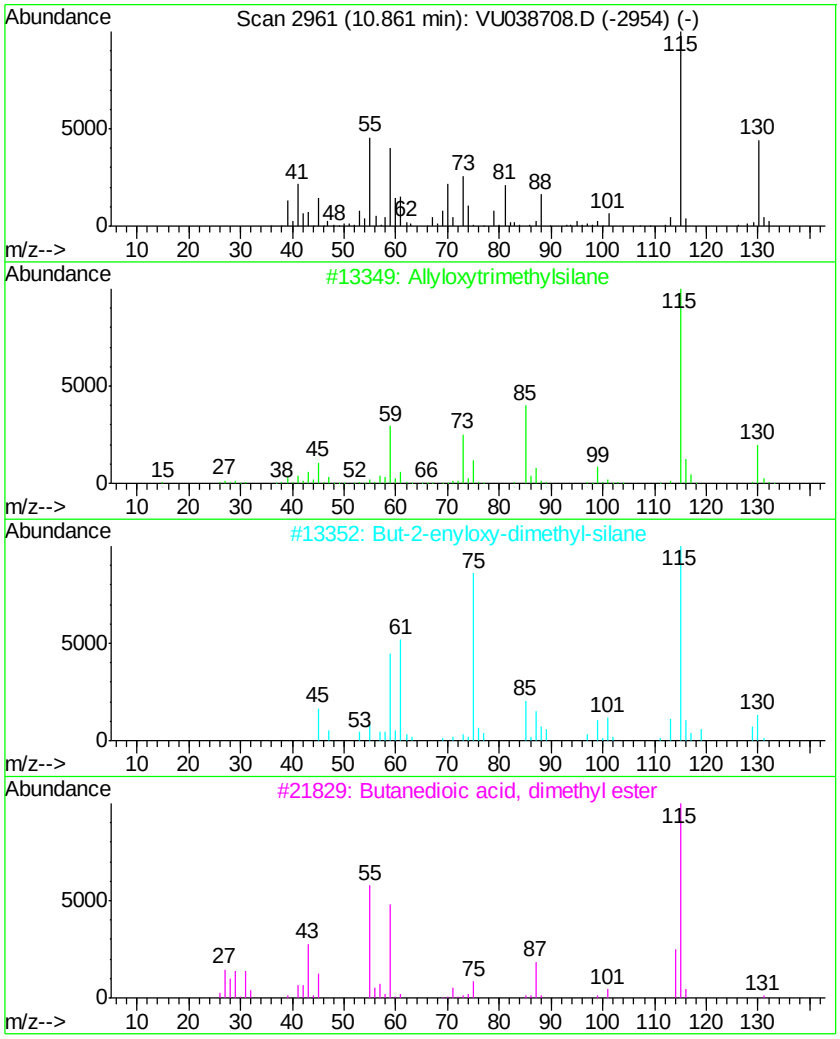
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

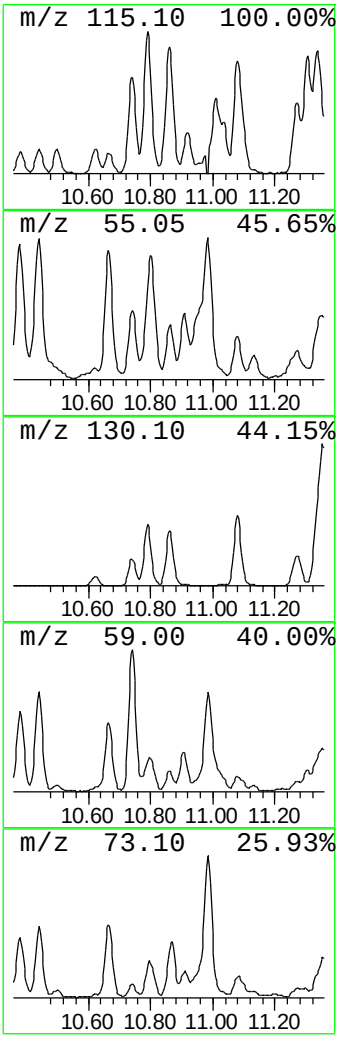
****

Peak Number 45 Allyloxytrimethylsilane Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	3.03 ug/L	178252	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyloxytrimethylsilane	130	C6H14OSi	018146-00-4	59
2	But-2-enyloxy-dimethyl-silane	130	C6H14OSi	1000145-63-6	40
3	Butanedioic acid, dimethyl ester	146	C6H10O4	000106-65-0	38
4	trans-2,4-Dimethylthiane	130	C7H14S	061568-42-1	32
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

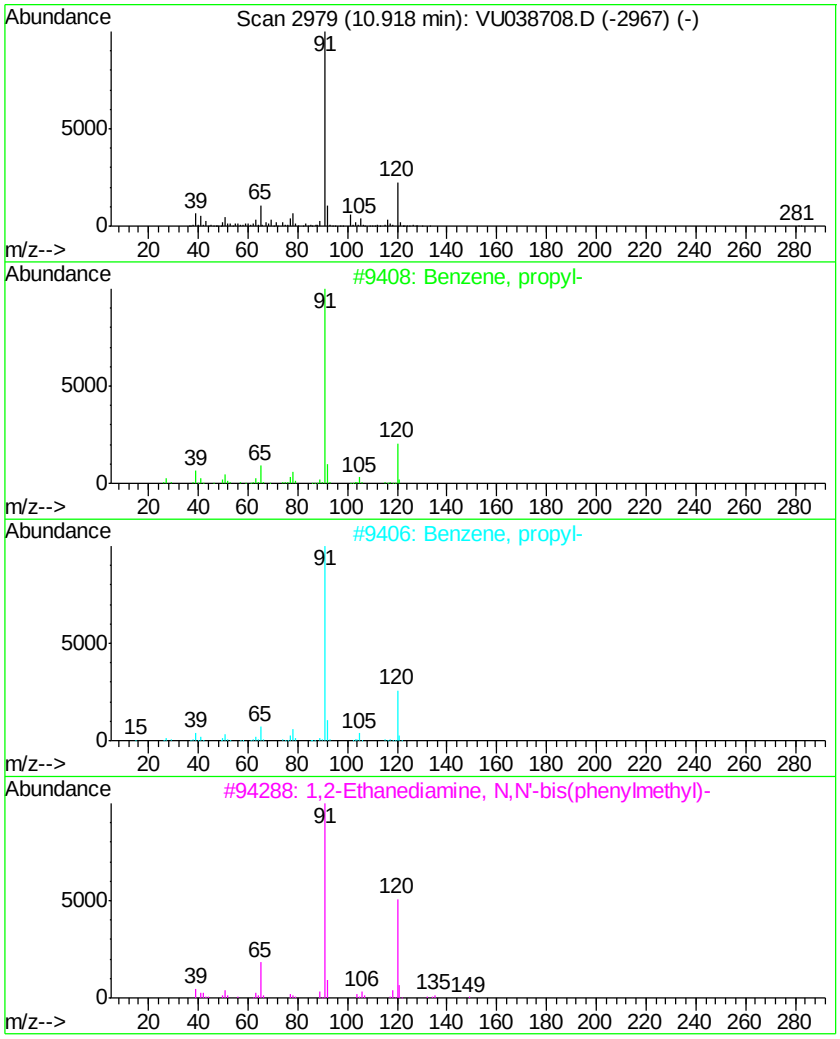
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

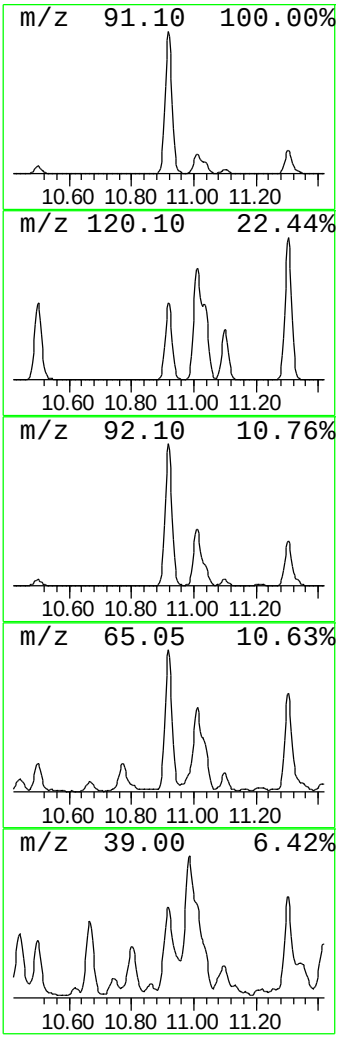
****

Peak Number 46 Benzene, propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	46.74 ug/L	2749060	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	74
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	59
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	59
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

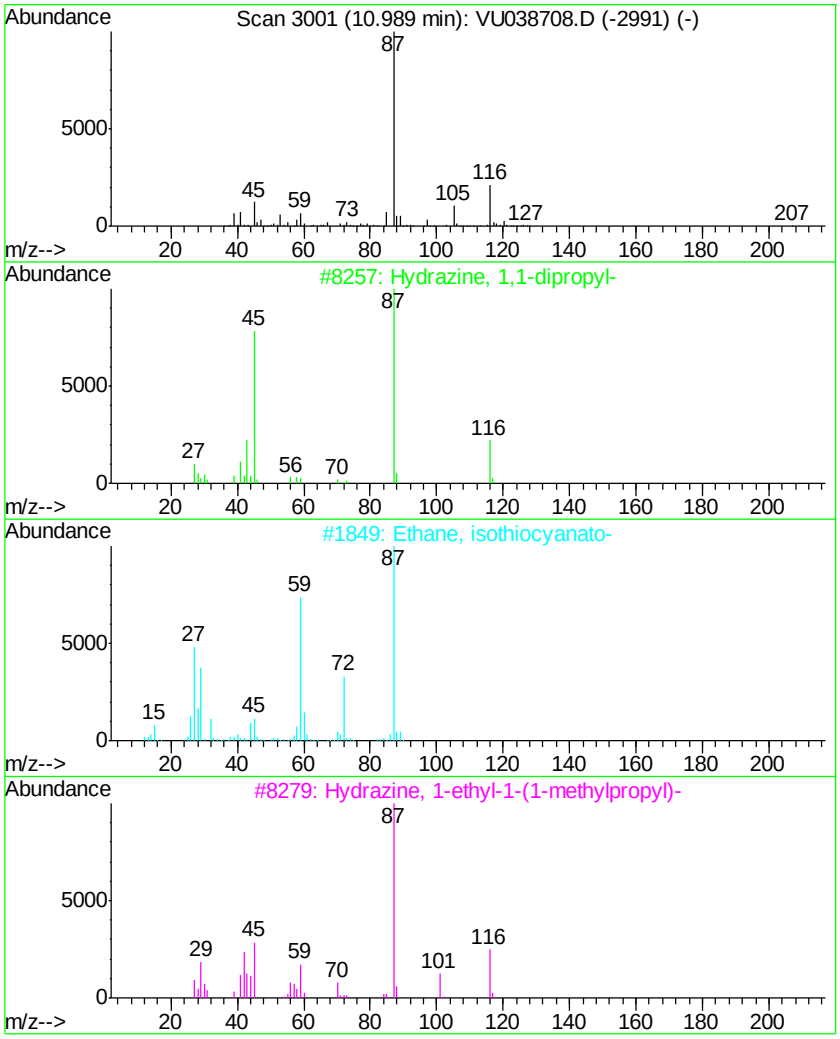
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

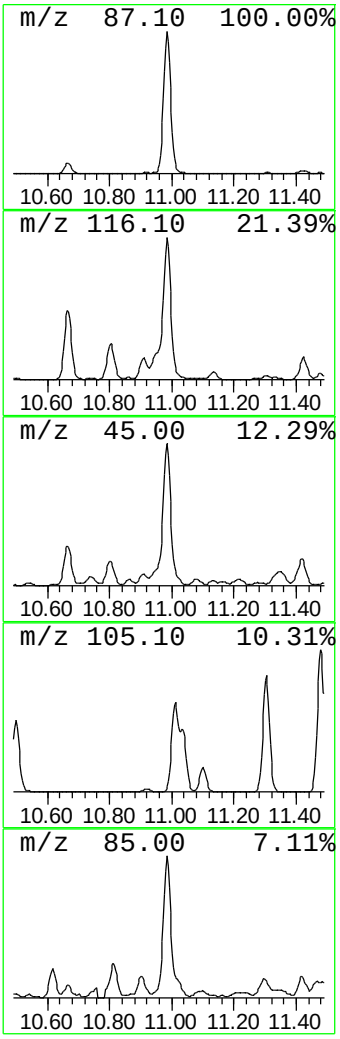
****

Peak Number 47 Hydrazine, 1,1-dipropyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	41.23 ug/L	2424900	1,4-Dichlorobenzene-d4	11.82

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

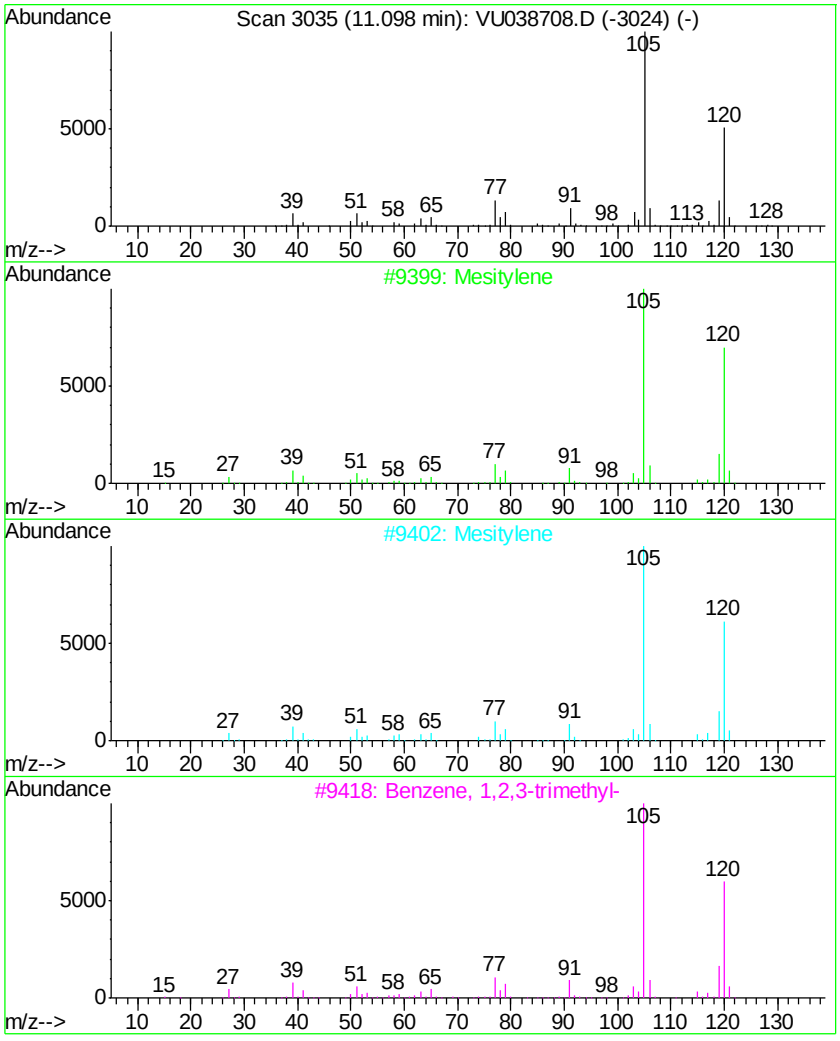
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

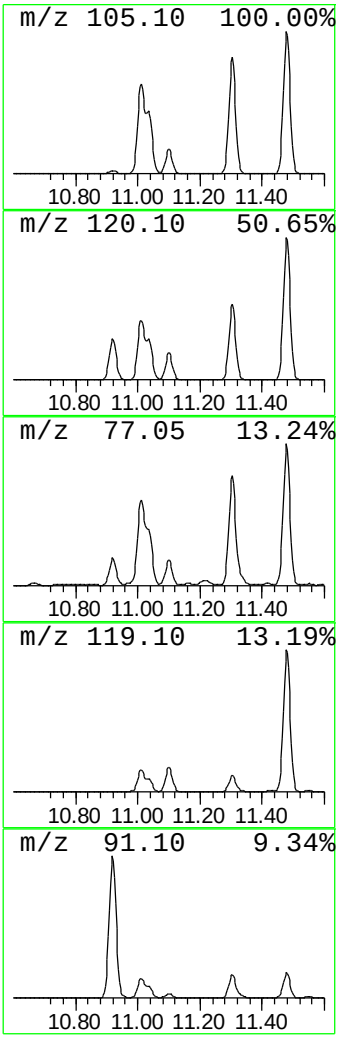
****

Peak Number 48 Mesitylene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	16.40 ug/L	964854	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

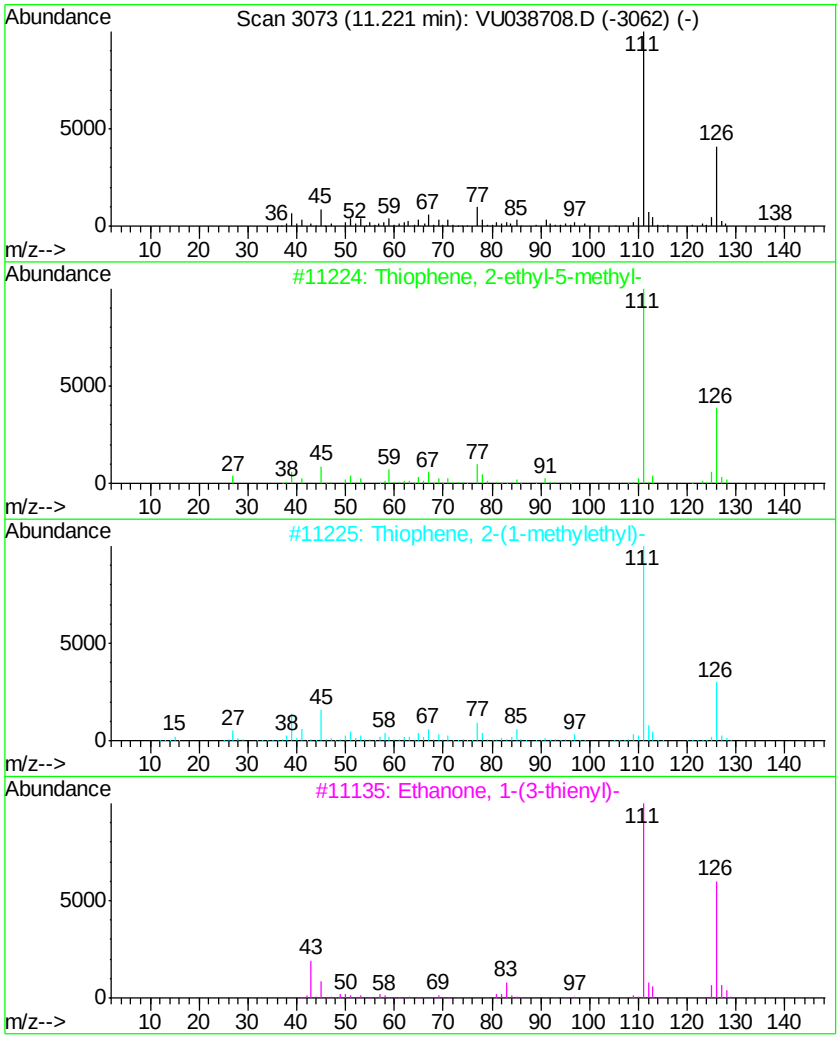
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

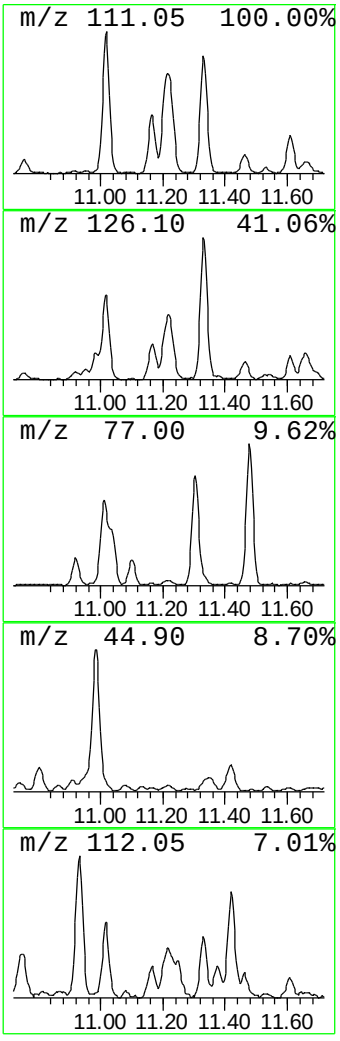
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Thiophene, 2-ethyl-5-methyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.94 ug/L	231569	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyl-5-methyl-	126	C7H10S	040323-88-4	90
2	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	87
3	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	72
4	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	72
5	Ethanone, 1-(2-thienyl)-	126	C6H6OS	000088-15-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

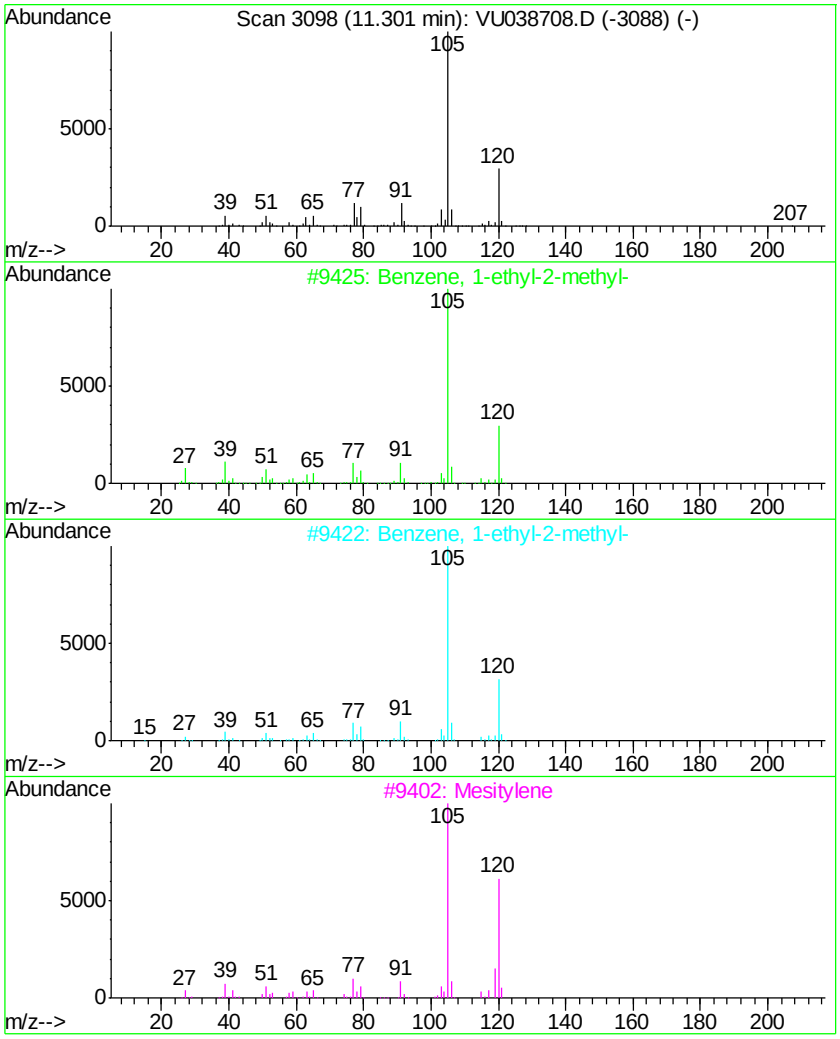
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

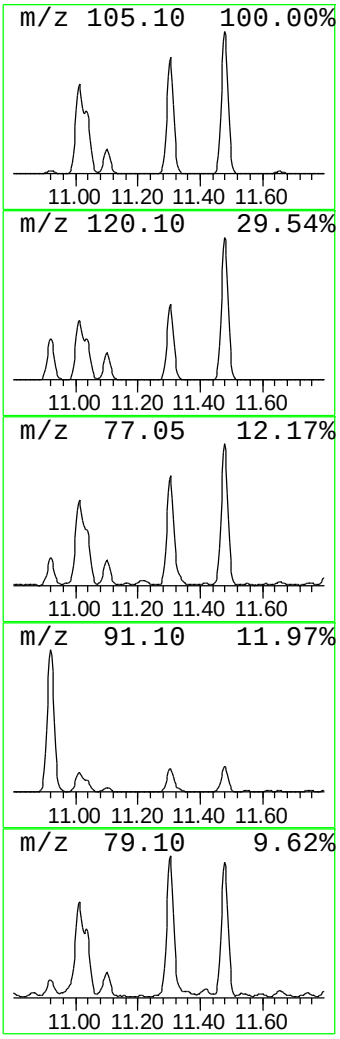
****

Peak Number 50 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	66.99 ug/L	3939870	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

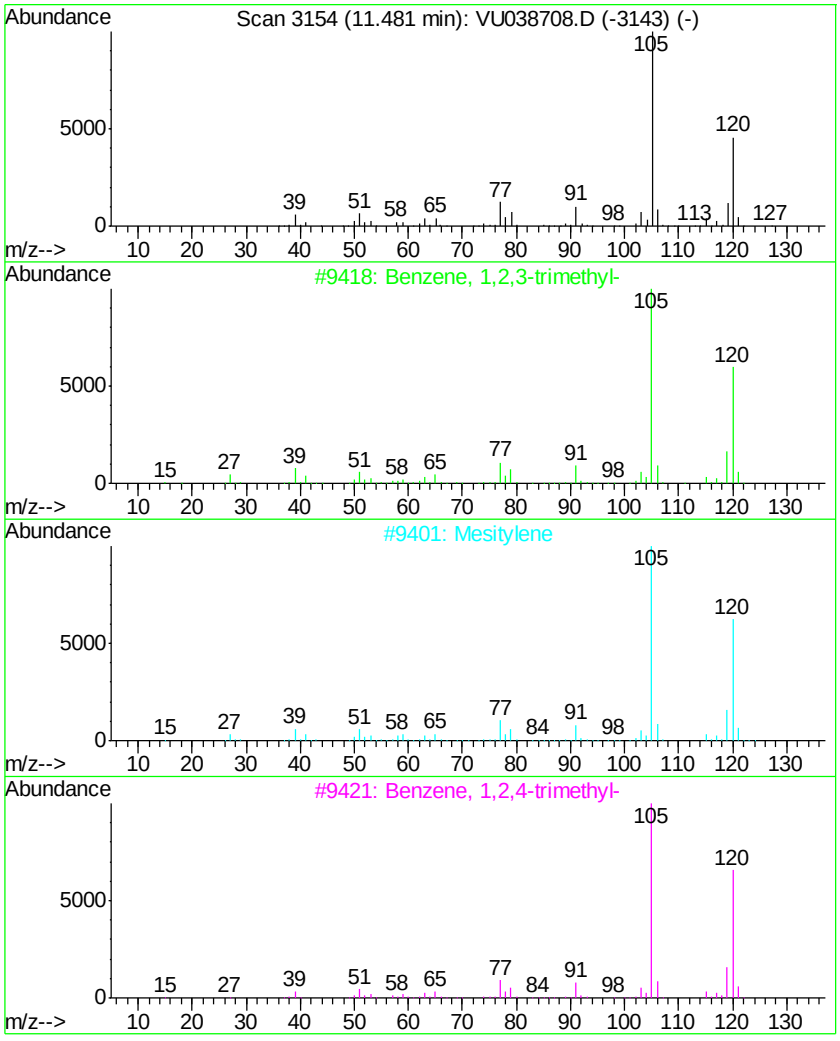
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

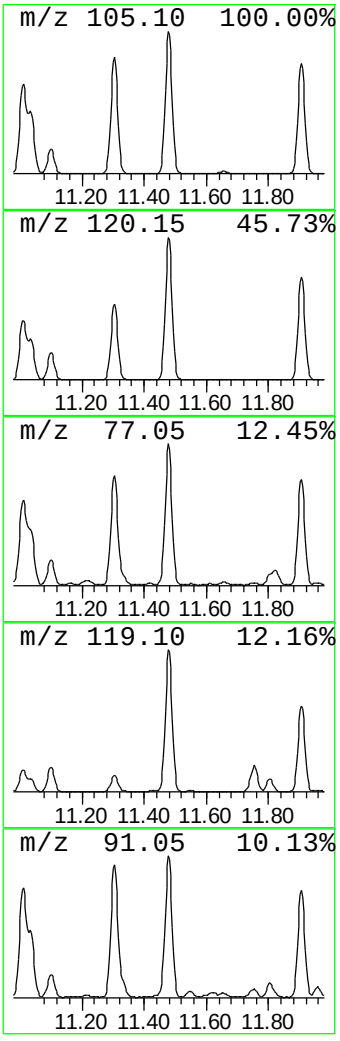
****

Peak Number 52 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	70.84 ug/L	4166270	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	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

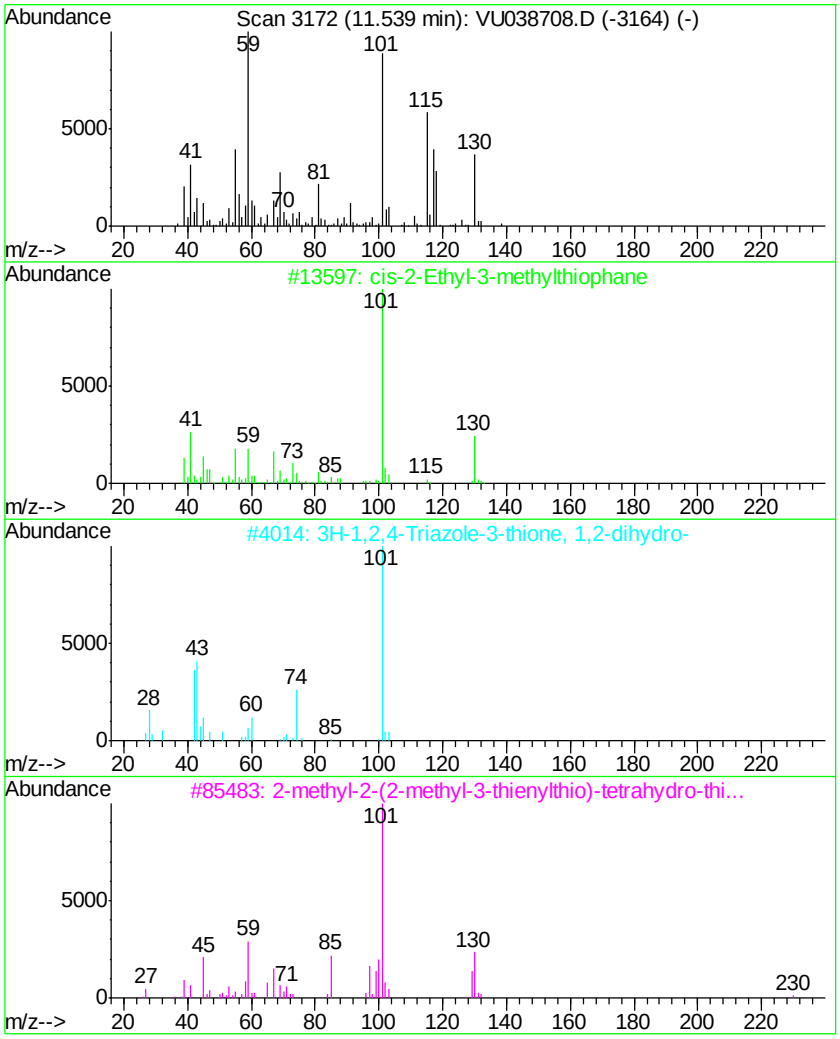
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

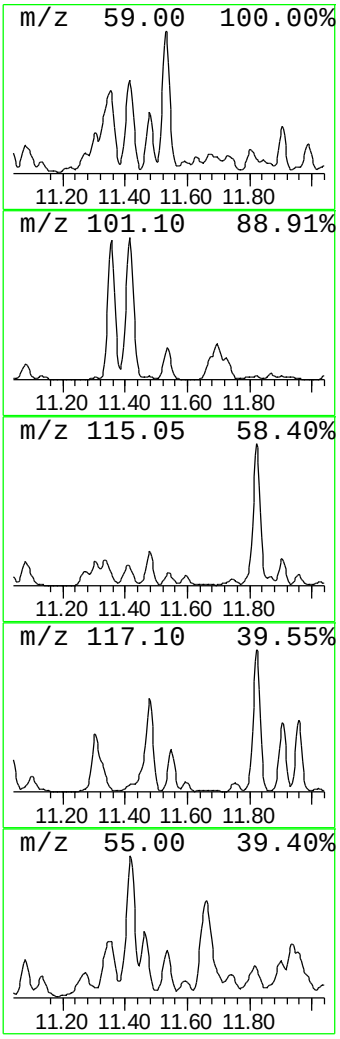
****

Peak Number 53 unknown-02 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	6.48 ug/L	381393	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2-Ethyl-3-methylthiophane	130	C7H14S	061568-37-4	38
2	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	25
3	2-methyl-2-(2-methyl-3-thienylth...	230	C10H14S3	1000365-97-2	22
4	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	22
5	Silane, triethyl-	116	C6H16Si	000617-86-7	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

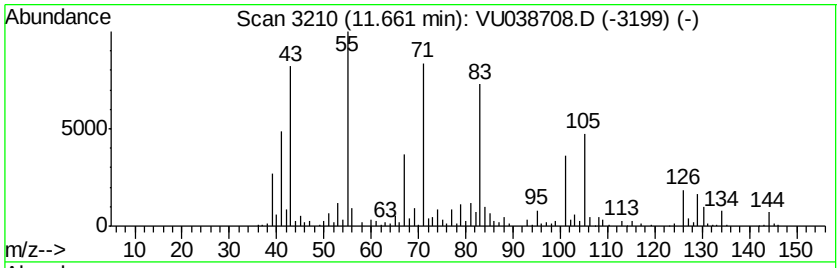
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

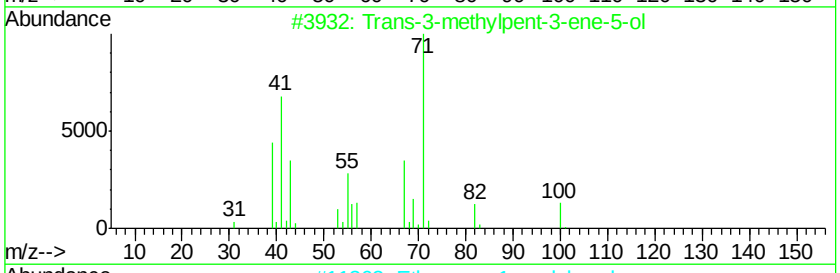
****

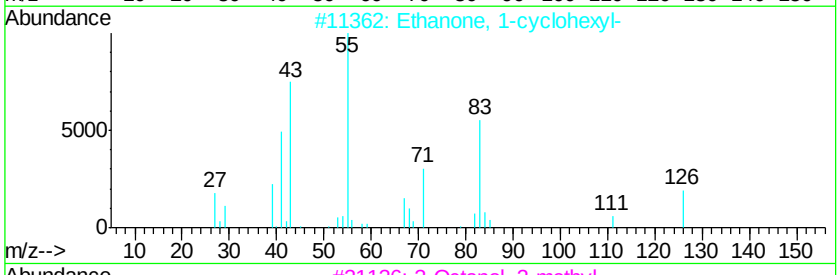
Peak Number 54 unknown-03 Concentration Rank 49

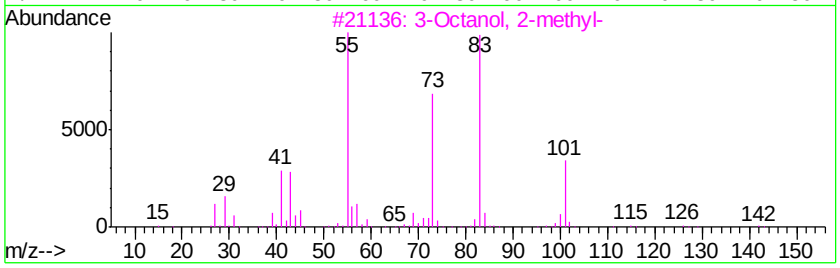
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	10.27 ug/L	604146	1,4-Dichlorobenzene-d4	11.82

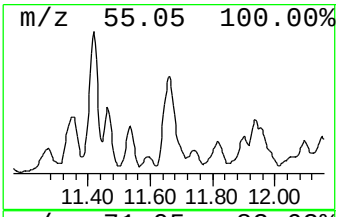
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-3-methylpent-3-ene-5-ol	100	C6H12O	030801-95-7	35
2	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	35
3	3-Octanol, 2-methyl-	144	C9H20O	026533-34-6	27
4	4-Nonanol	144	C9H20O	005932-79-6	27
5	Cyclopentane, 1-acetyl-1,2-epoxy-	126	C7H10O2	015121-02-5	25

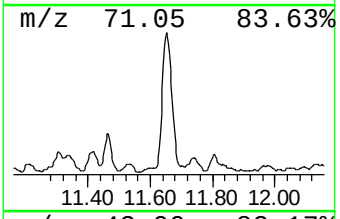


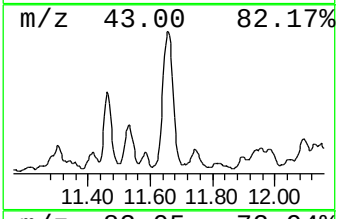


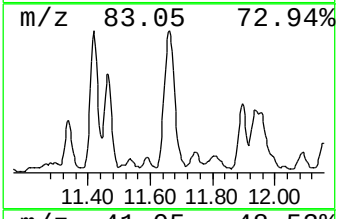


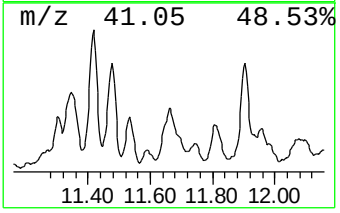












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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

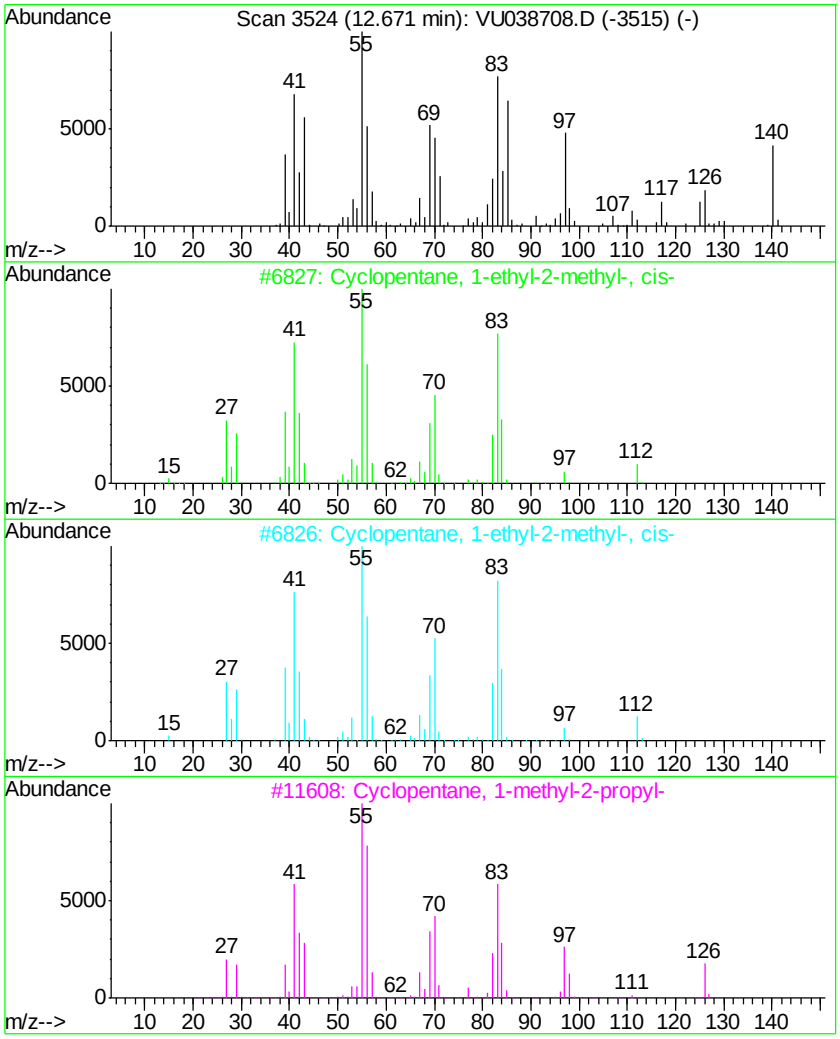
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

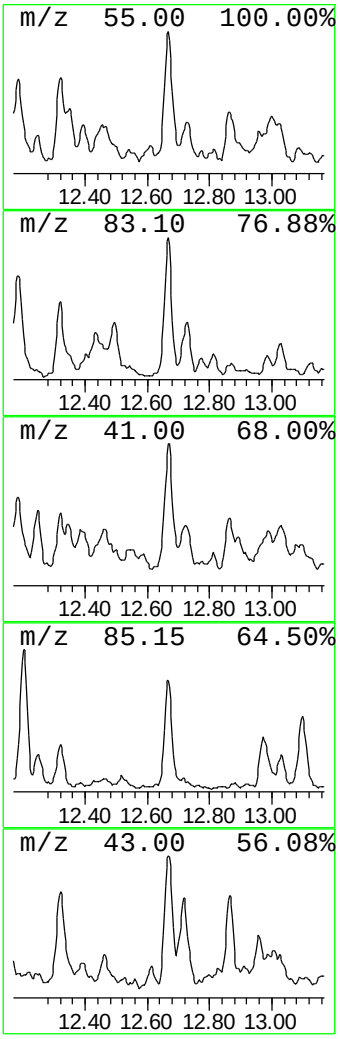
****

Peak Number 60 (DEL) Alkane: Cyclic12.67 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	3.12 ug/L	183683	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	70
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55
3	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	52
4	5-Decene	140	C10H20	019689-19-1	46
5	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060920\
Data File : VU038708.D
Acq On : 09 Jun 2020 08:10
Operator : SY/MD
Sample : L2913-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84

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	39.2	ug/L	1436430	1	6.29	1833810	50.0
(DEL) Alkane: Str...	1.50	104.2	ug/L	3821490	1	6.29	1833810	50.0
(DEL) Alkane: Str...	1.67	153.7	ug/L	5635800	1	6.29	1833810	50.0
(DEL) Alkane: Str...	1.75	124.9	ug/L	4579830	1	6.29	1833810	50.0
(DEL) Alkane: Str...	2.01	254.7	ug/L	9339540	1	6.29	1833810	50.0
(DEL) Alkane: Cyc...	2.18	116.9	ug/L	4286900	1	6.29	1833810	50.0
(DEL) Alkane: Str...	2.22	213.3	ug/L	7824420	1	6.29	1833810	50.0
(DEL) Alkane: Str...	2.34	137.3	ug/L	5033870	1	6.29	1833810	50.0
(DEL) Alkane: Str...	2.44	98.4	ug/L	3608350	1	6.29	1833810	50.0
(DEL) Alkane: Cyc...	2.49	110.2	ug/L	4041660	1	6.29	1833810	50.0
(DEL) Alkane: Str...	3.00	10.5	ug/L	386357	1	6.29	1833810	50.0
Cyclopentene	3.05	219.4	ug/L	8045760	1	6.29	1833810	50.0
(DEL) Alkane: Str...	3.11	7.3	ug/L	268227	1	6.29	1833810	50.0
(DEL) Alkane: Cyc...	3.17	299.1	ug/L	10968200	1	6.29	1833810	50.0
(DEL) Alkane: Str...	3.39	17.8	ug/L	651264	1	6.29	1833810	50.0
(DEL) Alkane: Str...	3.62	5.7	ug/L	207918	1	6.29	1833810	50.0
(DEL) Alkane: Str...	3.74	12.0	ug/L	441240	1	6.29	1833810	50.0
(DEL) Alkane: Str...	4.02	8.8	ug/L	321951	1	6.29	1833810	50.0
(DEL) Alkane: Str...	4.13	4.5	ug/L	163840	1	6.29	1833810	50.0
Cyclopentene, 3-m...	4.21	52.5	ug/L	1926280	1	6.29	1833810	50.0
Cyclopentene, 4-m...	4.29	19.0	ug/L	698175	1	6.29	1833810	50.0
(DEL) Alkane: Cyc...	4.57	138.7	ug/L	5085220	1	6.29	1833810	50.0
Cyclopentene, 1-m...	5.22	9.0	ug/L	331031	1	6.29	1833810	50.0
Thiophene	6.07	295.9	ug/L	10853600	1	6.29	1833810	50.0
Diethyl sulfide	6.60	12.6	ug/L	461474	1	6.29	1833810	50.0
Propane, 1-(methy...	6.89	4.6	ug/L	167958	1	6.29	1833810	50.0
Cyclohexene, 3-me...	7.19	7.7	ug/L	281920	1	6.29	1833810	50.0
Cyclobutane, (1-m...	7.42	11.1	ug/L	406132	1	6.29	1833810	50.0
2-Pentanol, 2-met...	7.72	13.7	ug/L	502300	1	6.29	1833810	50.0
Thiophene, 2-methyl-	8.13	155.2	ug/L	6953310	2	9.44	2240250	50.0
Thiophene, 3-methyl-	8.29	78.0	ug/L	3496280	2	9.44	2240250	50.0
Thiophene, tetrah...	8.82	46.7	ug/L	2092470	2	9.44	2240250	50.0
unknown-01	9.37	9.7	ug/L	433646	2	9.44	2240250	50.0
Thiophene, tetrah...	9.85	79.2	ug/L	3548750	2	9.44	2240250	50.0
Thiophene, 2,4-di...	9.88	73.2	ug/L	3278400	2	9.44	2240250	50.0
Thiophene, tetrah...	9.96	55.9	ug/L	2506510	2	9.44	2240250	50.0
cis-2,3-Dimethylt...	10.29	28.2	ug/L	1261820	2	9.44	2240250	50.0
Thiophene, 3,4-di...	10.35	14.9	ug/L	668968	2	9.44	2240250	50.0
trans-2,3-Dimethy...	10.38	32.3	ug/L	1445300	2	9.44	2240250	50.0
2H-Thiopyran, tet...	10.66	24.8	ug/L	1455790	3	11.82	2940740	50.0
Allyloxytrimethyl...	10.86	3.0	ug/L	178252	3	11.82	2940740	50.0
Benzene, propyl-	10.92	46.7	ug/L	2749060	3	11.82	2940740	50.0
Hydrazine, 1,1-di...	10.99	41.2	ug/L	2424900	3	11.82	2940740	50.0
Mesitylene	11.10	16.4	ug/L	964854	3	11.82	2940740	50.0
Thiophene, 2-ethy...	11.22	3.9	ug/L	231569	3	11.82	2940740	50.0
Benzene, 1-ethyl-...	11.30	67.0	ug/L	3939870	3	11.82	2940740	50.0
Benzene, 1,2,3-tr...	11.48	70.8	ug/L	4166270	3	11.82	2940740	50.0
unknown-02	11.54	6.5	ug/L	381393	3	11.82	2940740	50.0
unknown-03	11.66	10.3	ug/L	604146	3	11.82	2940740	50.0

(DEL) Alkane: Cyc... 12.67 3.1 ug/L 183683 3 11.82 2940740 50.0

Instrument :
MSVOA_U
ClientSampleId :
F9D84