LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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	1.372	6	10	15	rVB2	4345	3943	0.05%	0.015%
2	1.501	45	50	57	rBV2	17267	17036	0.23%	0.063%
3	1.613	74	85	97	rBV2	347392	405232	5.39%	1.499%
4	1.675	98	104	114	rVB	23531	26473	0.35%	0.098%
5	1.748	121	127	134	rVB	19255	20901	0.28%	0.077%
6	1.929	174	183	200	rVB	209873	270004	3.59%	0.999%
7	2.012	200	209	219	rVB	63323	85802	1.14%	0.317%
8	2.176	253	260	266	rBV2	16527	21645	0.29%	0.080%
9	2.224	266	275	291	rVB2	54953	91742	1.22%	0.339%
10	2.340	303	311	322	rVB2	30604	42270	0.56%	0.156%
11	2.440	333	342	349	rBV	15735	23352	0.31%	0.086%
12	2.491	349	358	372	rVB	51679	81076	1.08%	0.300%
13	2.591	377	389	415	rBV	432438	747787	9.94%	2.766%
14	2.999	501	516	518	rBV4	3763	6549	0.09%	0.024%
15	3.047	520	531	547	rVB2	39128	78475	1.04%	0.290%
16	3.170	557	569	578	rBV2	41459	86527	1.15%	0.320%
17	3.391	634	638	641	rBV3	1149	1007	0.01%	0.004%
18	3.617	695	708	716	rVB7	1889	4014	0.05%	0.015%
19	3.732	735	744	753	rVB5	1462	2984	0.04%	0.011%
20	3.874	779	788	792	rBV4	667	753	0.01%	0.003%
21	3.954	802	813	818	rBV6	1345	2439	0.03%	0.009%
22	4.022	821	834	844	rVB6	3185	7783	0.10%	0.029%
23	4.118	861	864	867	rBV3	1128	916	0.01%	0.003%
24	4.218	879	895	906	rBV5	6239	15737	0.21%	0.058%
25	4.292	911	918	928	rVB3	2607	4470	0.06%	0.017%
26	4.379	934	945	955	rVB5	1532	2955	0.04%	0.011%
27	4.571	990	1005	1019	rBV3	16329	39914	0.53%	0.148%
28	4.668	1019	1035	1067	rBV	240461	654651	8.70%	2.421%
29	5.099	1151	1169	1190	rBV	382699	831469	11.05%	3.075%
30	5.215	1195	1205	1217	rVB6	4855	10828	0.14%	0.040%
31	5.314	1232	1236	1238	rBV3	1000	851	0.01%	0.003%
32	5.420	1254	1269	1283	rBV3	24369	56090	0.75%	0.207%
33	5.758	1351	1374	1379	rBV2	787851	1954268	25.98%	7.228%
34	5.806	1381	1389	1418	rVB	3784667	7522886	100.00%	27.824%

LSC Area Percent Report

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Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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	6.051	1454	1465	1482	rVB	34224	69396	0.92%	0.257%
36	6.279	1522	1536	1573	rVB	646560	1257017	16.71%	4.649%
37	6.504	1603	1606	1612	rVB3	962	713	0.01%	0.003%
38	6.562	1612	1624	1645	rBV8	12620	41485	0.55%	0.153%
39	6.719	1658	1673	1691	rBV	483553	928374	12.34%	3.434%
40	6.870	1718	1720	1732	rVB6	920	1209	0.02%	0.004%
41	7.208	1815	1825	1833	rVB7	3850	7115	0.09%	0.026%
42	7.420	1884	1891	1899	rVB4	1575	2559	0.03%	0.009%
43	7.591	1930	1944	1960	rBV	259073	462968	6.15%	1.712%
44	7.652	1960	1963	1971	rVB6	1561	2112	0.03%	0.008%
45	7.716	1971	1983	1994	rBV8	3254	7619	0.10%	0.028%
46	7.784	1997	2004	2009	rVB6	2272	3289	0.04%	0.012%
47	7.922	2030	2047	2059	rBV	871632	1565912	20.82%	5.792%
48	7.993	2060	2069	2097	rVV	351647	657451	8.74%	2.432%
49	8.121	2100	2109	2121	rVV	58173	101936	1.36%	0.377%
50	8.198	2122	2133	2151	rVV	189412	318767	4.24%	1.179%
51	8.292	2153	2162	2176	rVB	27751	45868	0.61%	0.170%
52	8.571	2246	2249	2257	rVB4	772	753	0.01%	0.003%
53	8.655	2257	2275	2306	rBV	748254	1359263	18.07%	5.027%
54	8.816	2318	2325	2332	rVB7	3626	4907	0.07%	0.018%
55	8.854	2332	2337	2339	rBV4	1110	872	0.01%	0.003%
56	9.433	2504	2517	2528	rBV	886779	1522277	20.24%	5.630%
57	9.587	2552	2565	2584	rBV	442211	736587	9.79%	2.724%
58	9.713	2588	2604	2617	rVB2	69586	139750	1.86%	0.517%
59	9.845	2636	2645	2650	rBV4	15088	24632	0.33%	0.091%
60	9.964	2675	2682	2692	rVB5	9206	13547	0.18%	0.050%
61	10.028	2692	2702	2707	rBV5	8384	14363	0.19%	0.053%
62	10.115	2719	2729	2743	rVB	127891	209914	2.79%	0.776%
63	10.295	2772	2785	2795	rBV7	4101	6355	0.08%	0.024%
64	10.349	2795	2802	2804	rBV4	2586	3062	0.04%	0.011%
65	10.443	2820	2831	2839	rBV7	5854	9176	0.12%	0.034%
66	10.497	2839	2848	2858	rVV3	8991	13931	0.19%	0.052%
67	10.668	2890	2901	2909	rBV4	4828	7832	0.10%	0.029%
68	10.771	2918	2933	2953	rBV	669389	1080218	14.36%	3.995%
69	10.867	2960	2963	2969	rBV3	744	663	0.01%	0.002%
70	10.919	2969	2979	2987	rBV2	8855	13922	0.19%	0.051%
71	10.986	2991	3000	3005	rBV2	9192	14425	0.19%	0.053%

LSC Area Percent Report

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Sample : L2915-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

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

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

72	11.102	3025	3036	3043	rBV5	3498	5897	0.08%	0.022%
73	11.211	3066	3070	3076	rBV4	674	724	0.01%	0.003%
74	11.301	3085	3098	3113	rBV2	15628	30418	0.40%	0.113%
75	11.410	3125	3132	3133	rBV3	3281	3193	0.04%	0.012%
76	11.478	3144	3153	3163	rVB2	23171	32951	0.44%	0.122%
77	11.526	3163	3168	3169	rBV4	1238	912	0.01%	0.003%
78	11.658	3205	3209	3212	rBV3	841	659	0.01%	0.002%
79	11.822	3247	3260	3277	rBV	949907	1502254	19.97%	5.556%
80	11.906	3277	3286	3295	rVV	21483	31949	0.42%	0.118%
81	11.957	3299	3302	3308	rVB5	1823	1533	0.02%	0.006%
82	12.102	3337	3347	3356	rBV	12743	18860	0.25%	0.070%
83	12.201	3365	3378	3399	rBV	950985	1520509	20.21%	5.624%
84	12.320	3406	3415	3426	rVB2	5608	9363	0.12%	0.035%
85	12.504	3470	3472	3478	rVB3	794	706	0.01%	0.003%
86	12.693	3526	3531	3532	rBV2	1641	1345	0.02%	0.005%
87	13.237	3694	3700	3706	rVB5	2012	2168	0.03%	0.008%
88	13.478	3766	3775	3782	rVB5	3406	4912	0.07%	0.018%
89	13.542	3789	3795	3798	rBV5	1501	1639	0.02%	0.006%
90	13.645	3824	3827	3836	rVB5	2596	2787	0.04%	0.010%
91	13.864	3889	3895	3901	rVV7	3334	4115	0.05%	0.015%
92	14.111	3962	3972	3985	rBV	41957	68852	0.92%	0.255%
93	14.233	4005	4010	4011	rBV4	4540	3610	0.05%	0.013%
94	14.359	4042	4049	4054	rVB5	2821	3992	0.05%	0.015%
95	14.452	4074	4078	4081	rBV3	803	809	0.01%	0.003%
96	14.812	4187	4190	4198	rBV5	755	1021	0.01%	0.004%
97	15.449	4380	4388	4390	rBV4	4520	5097	0.07%	0.019%
98	15.529	4406	4413	4417	rBV5	1286	1847	0.02%	0.007%
99	15.684	4459	4461	4465	rBV2	1266	983	0.01%	0.004%
100	15.719	4470	4472	4477	rVB5	1725	1164	0.02%	0.004%

Sum of corrected areas: 27037337

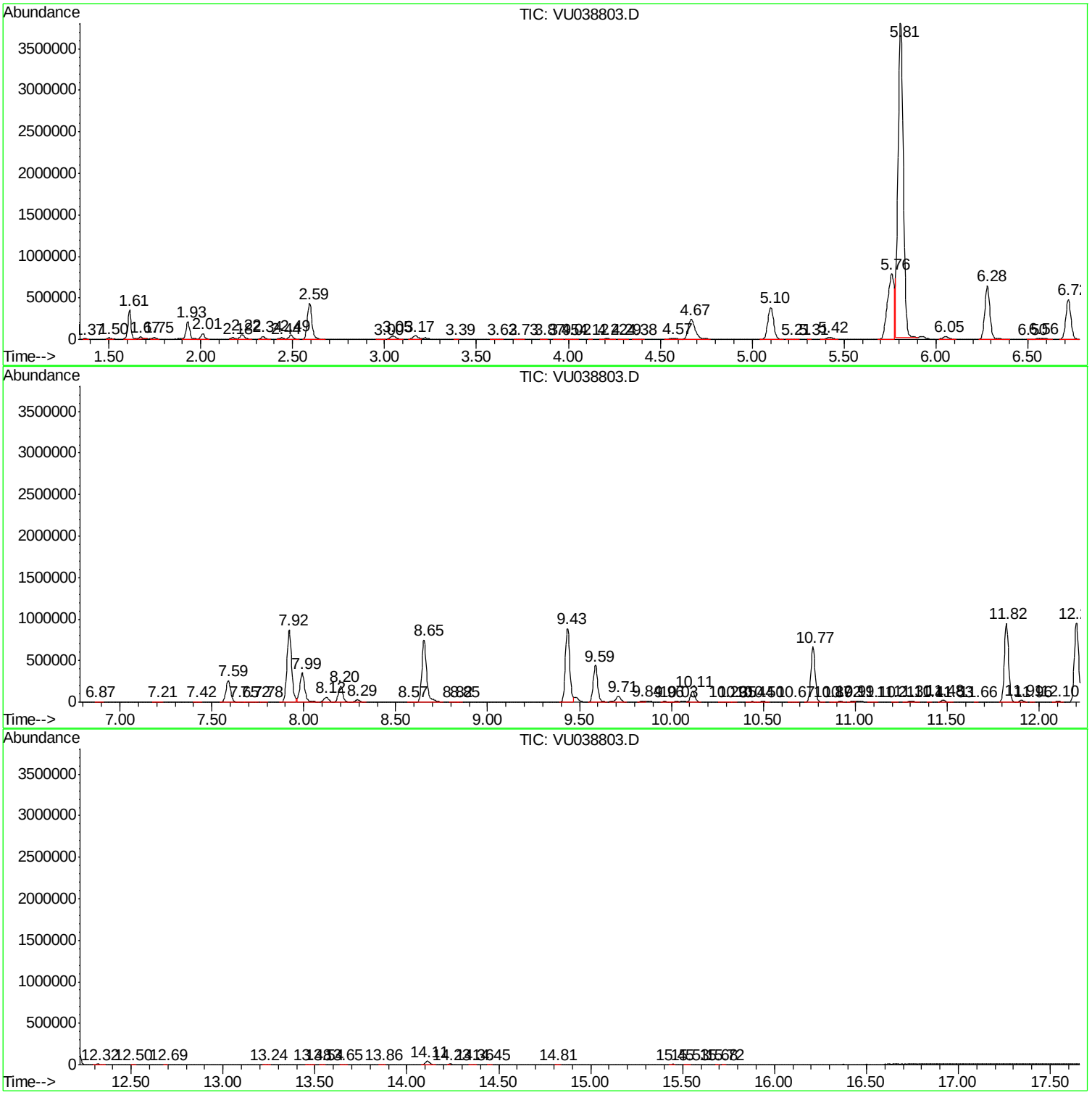
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

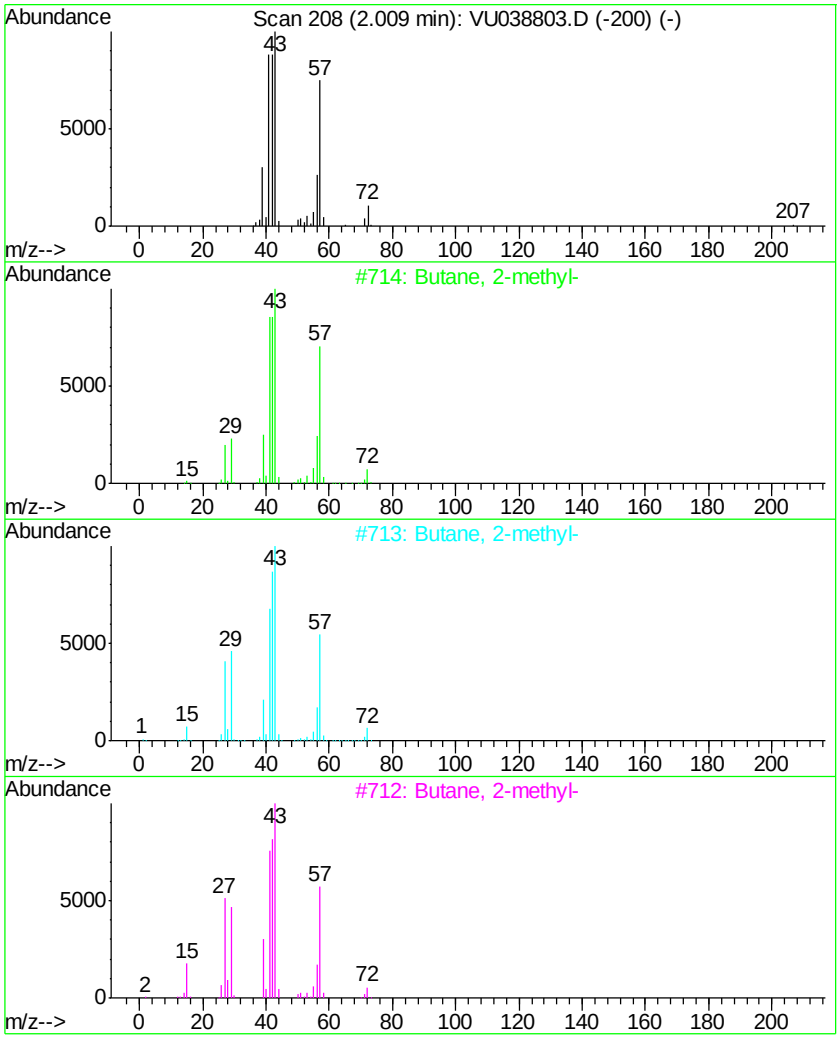
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

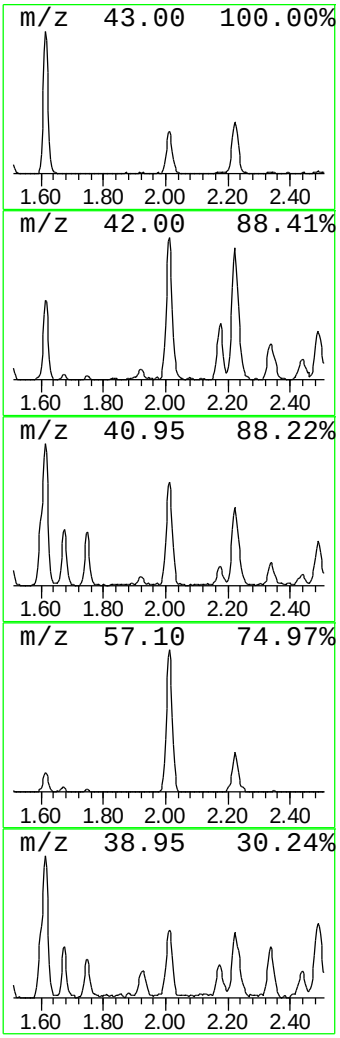
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	3.41 ug/L	85802	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	28
5	1,1-Diisobutoxy-butane	202	C12H26O2	013002-16-9	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

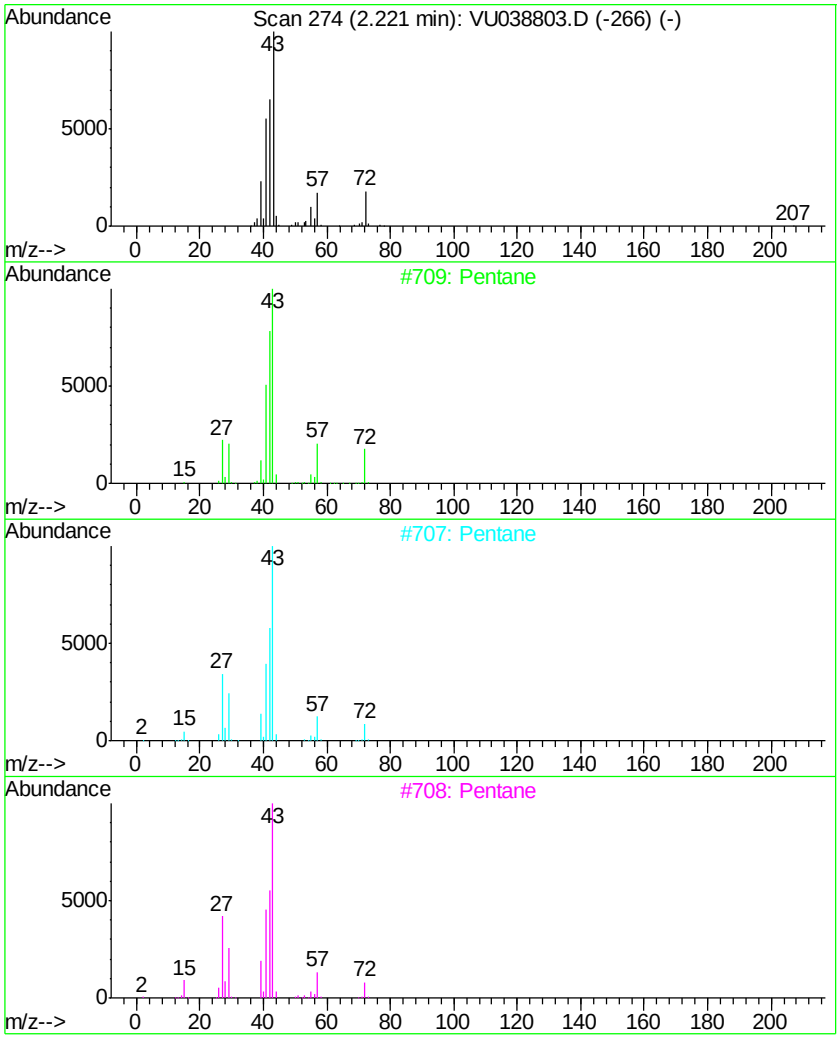
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

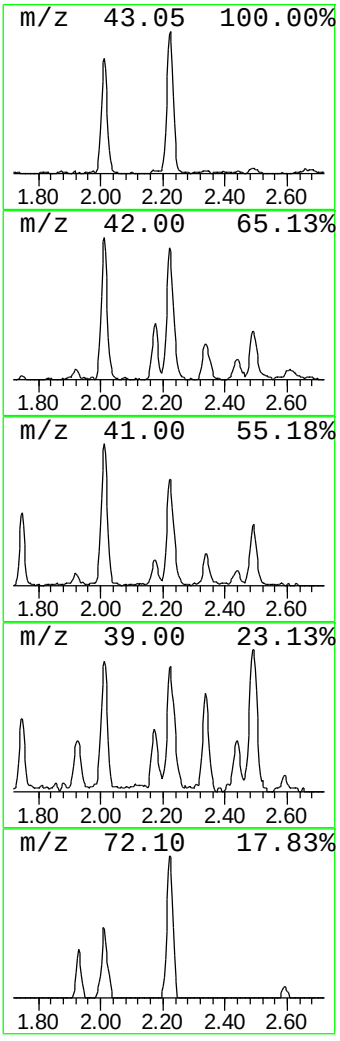
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	3.65 ug/L	91742	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	72
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

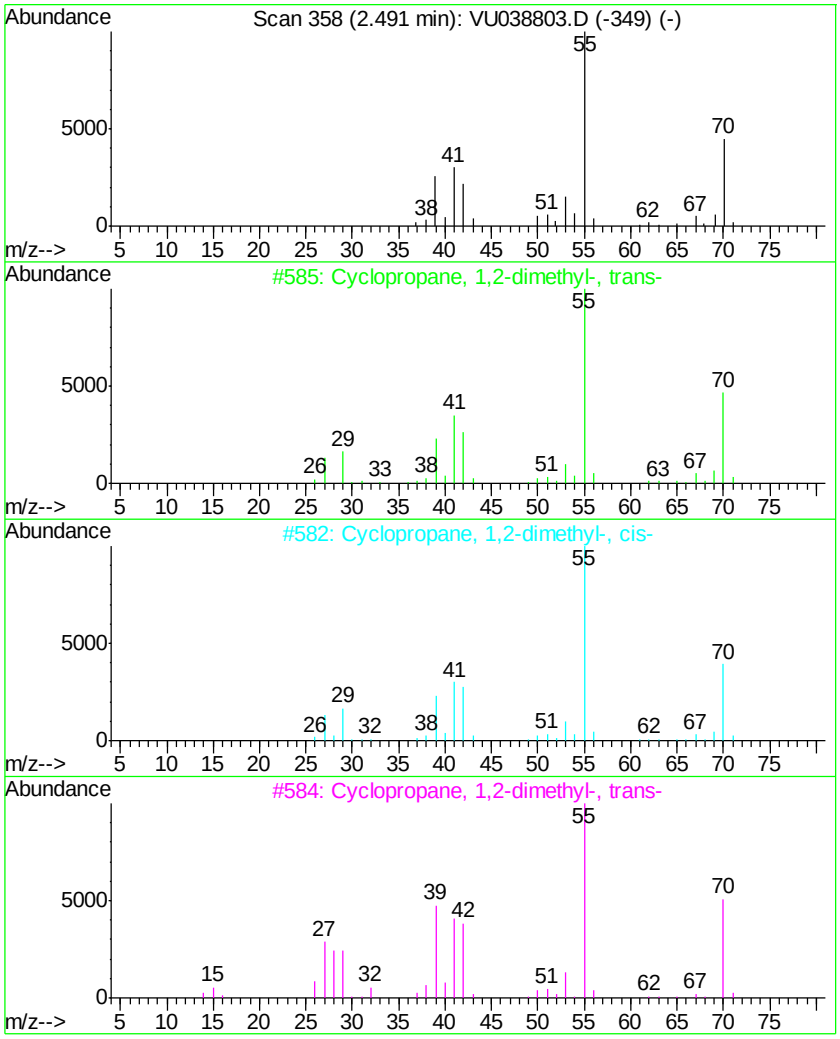
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

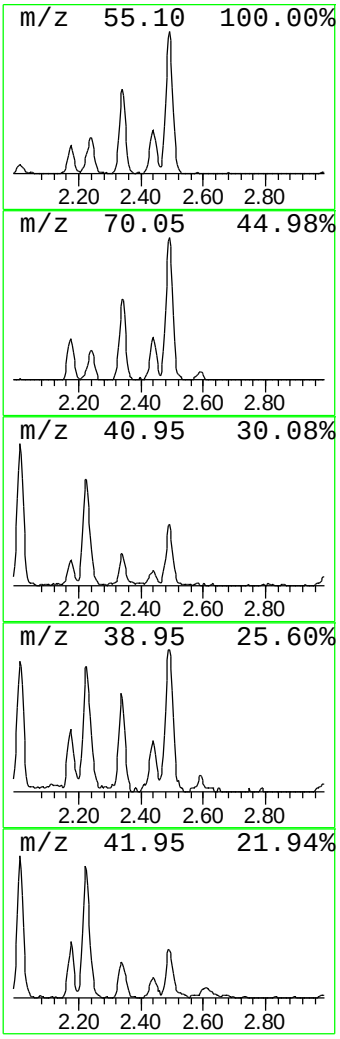
****

Peak Number 3 (DEL) Alkane: Cyclic2.49 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	3.22 ug/L	81076	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80
4	2-Pentene, (E)-	70	C5H10	000646-04-8	80
5	2-Methyl-1-butene	70	C5H10	000563-46-2	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

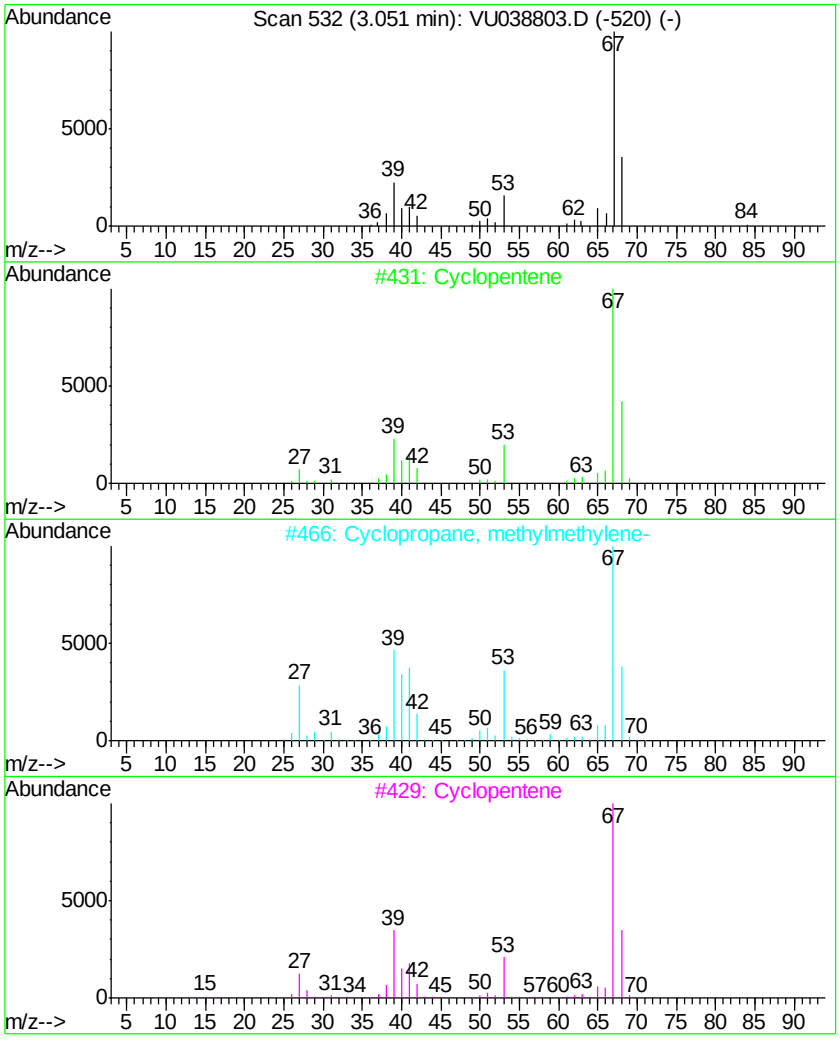
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

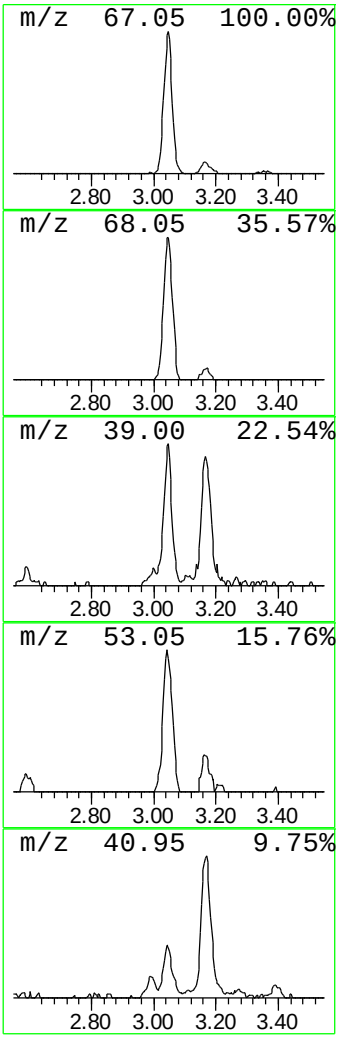
****

Peak Number 4 Cyclopentene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	3.12 ug/L	78475	1,4-Difluorobenzene	6.28

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038803.D
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Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

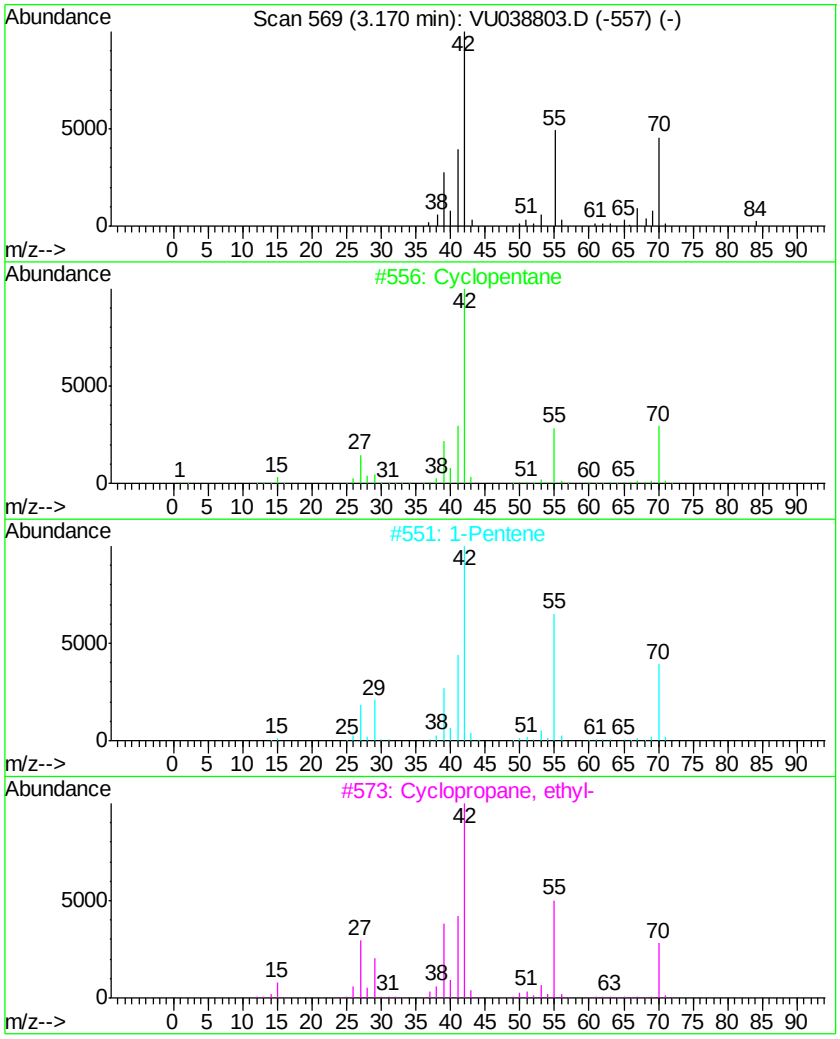
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

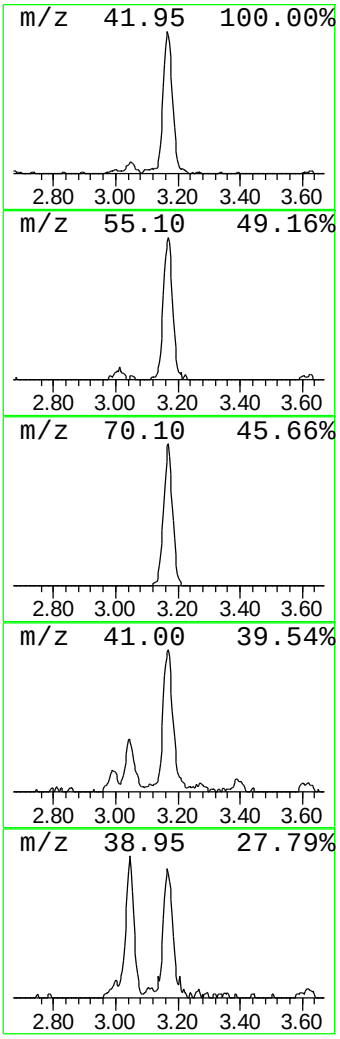
****

Peak Number 5 (DEL) Alkane: Cyclic3.17 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	3.44 ug/L	86527	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	1-Pentene	70	C5H10	000109-67-1	64
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53
4	1-Pentene	70	C5H10	000109-67-1	53
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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

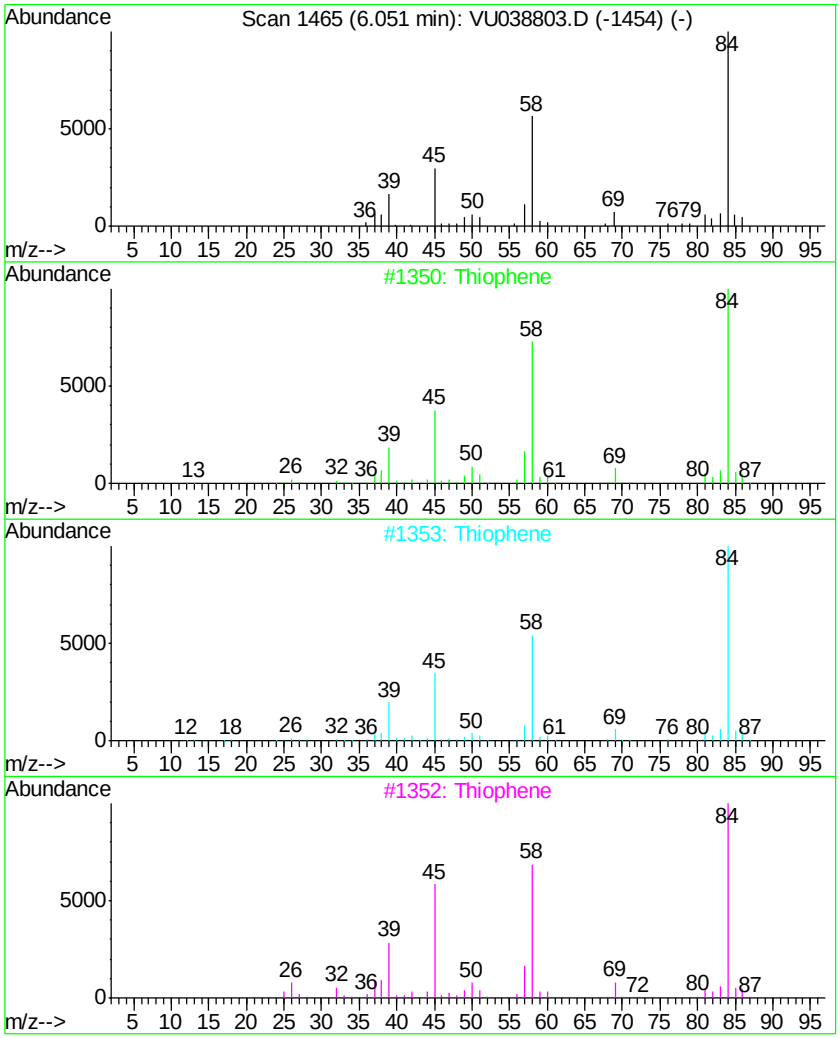
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

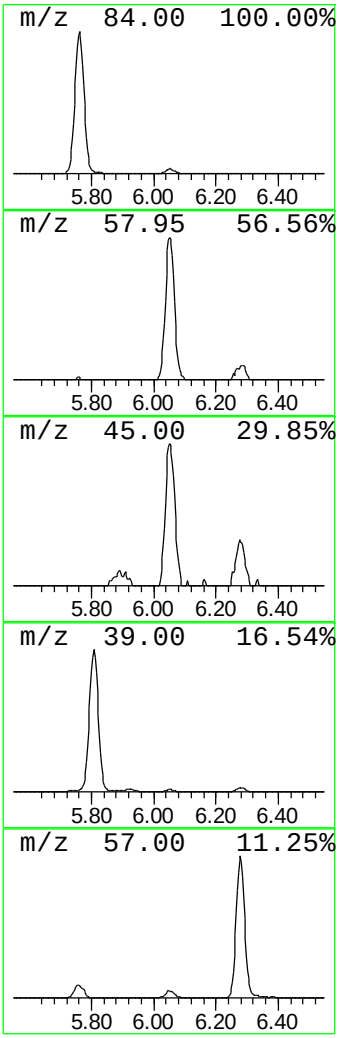
****

Peak Number 6 Thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	2.76 ug/L	69396	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	91
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	83
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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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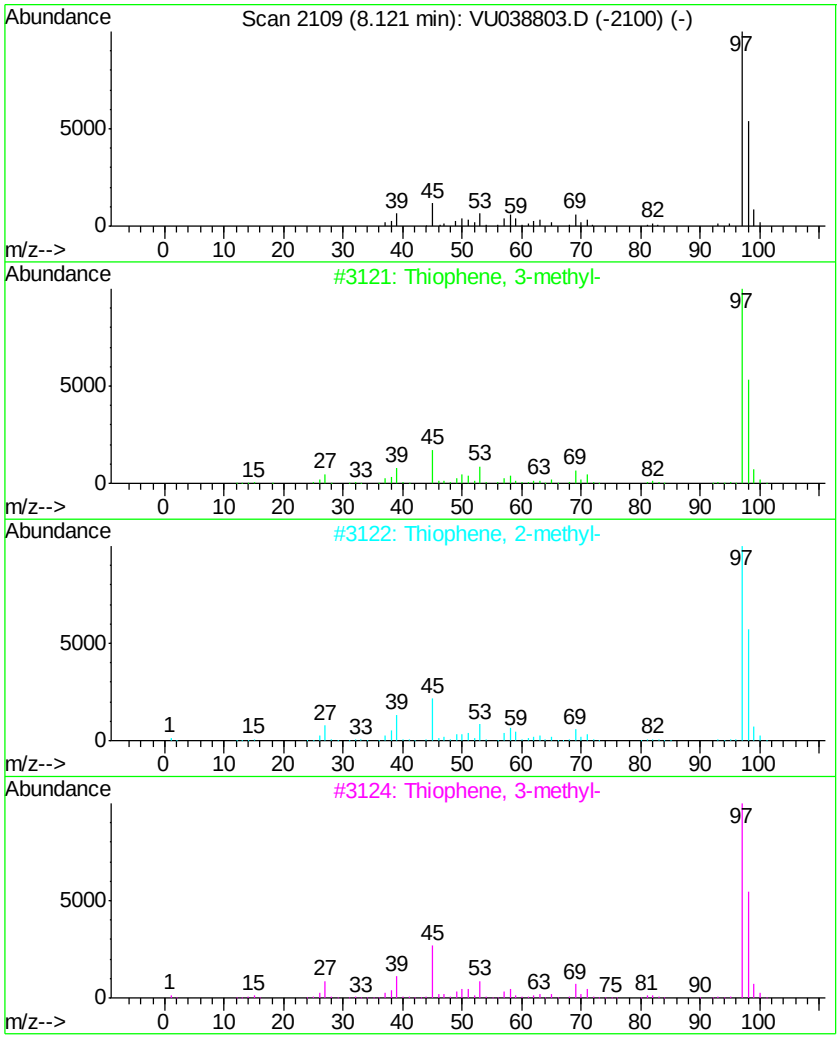
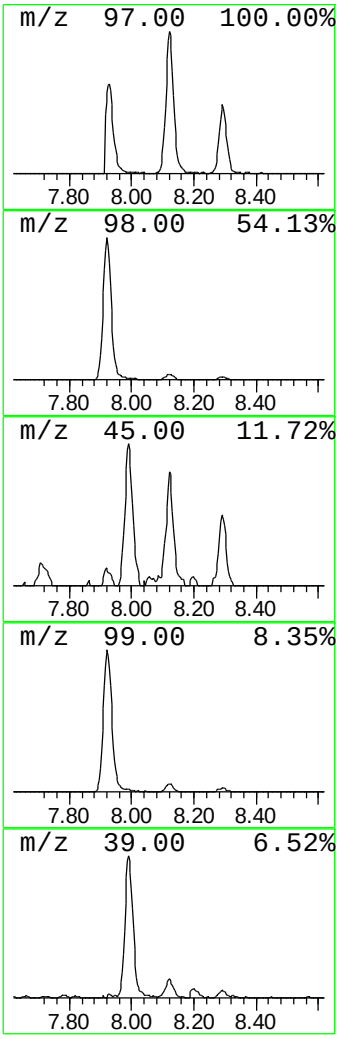
Peak Number 8 Thiophene, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	3.35 ug/L	101936	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
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	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038803.D
Acq On : 11 Jun 2020 02:39
Operator : SY/MD
Sample : L2915-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E18

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...	2.01	3.4	ug/L	85802	1	6.28	1257020	50.0
(DEL) Alkane: Str...	2.22	3.6	ug/L	91742	1	6.28	1257020	50.0
(DEL) Alkane: Cyc...	2.49	3.2	ug/L	81076	1	6.28	1257020	50.0
Cyclopentene	3.05	3.1	ug/L	78475	1	6.28	1257020	50.0
(DEL) Alkane: Cyc...	3.17	3.4	ug/L	86527	1	6.28	1257020	50.0
Thiophene	6.05	2.8	ug/L	69396	1	6.28	1257020	50.0
Thiophene, 3-methyl-	8.12	3.4	ug/L	101936	2	9.44	1522280	50.0