LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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	4	10	18	rBV	13874	13798	0.10%	0.040%
2	1.501	44	50	64	rBV	45154	50800	0.38%	0.147%
3	1.614	74	85	97	rBV	446608	543711	4.09%	1.576%
4	1.675	98	104	116	rVV	38444	45081	0.34%	0.131%
5	1.749	120	127	137	rVB	33206	38672	0.29%	0.112%
6	1.929	174	183	198	rVB	219160	291649	2.19%	0.845%
7	2.012	199	209	220	rVB	73972	102045	0.77%	0.296%
8	2.173	250	259	267	rBV	59081	80999	0.61%	0.235%
9	2.225	267	275	288	rVB3	62096	98422	0.74%	0.285%
10	2.340	301	311	322	rBV	45568	68394	0.51%	0.198%
11	2.437	333	341	349	rBV	27646	41371	0.31%	0.120%
12	2.491	349	358	372	rVB2	36451	57989	0.44%	0.168%
13	2.591	377	389	408	rBV	470580	794336	5.97%	2.303%
14	2.723	427	430	436	rVB4	1262	1281	0.01%	0.004%
15	2.816	456	459	464	rVB4	948	825	0.01%	0.002%
16	2.996	506	515	518	rVV5	2940	4494	0.03%	0.013%
17	3.048	521	531	546	rVB	33421	64484	0.48%	0.187%
18	3.167	557	568	578	rBV2	50659	102783	0.77%	0.298%
19	3.347	620	624	626	rBV3	783	661	0.00%	0.002%
20	3.623	701	710	725	rVB6	4973	10634	0.08%	0.031%
21	3.736	734	745	749	rBV5	2493	3732	0.03%	0.011%
22	3.868	781	786	796	rVB7	1350	2099	0.02%	0.006%
23	3.961	801	815	822	rBV8	2517	5623	0.04%	0.016%
24	4.006	824	829	831	rBV4	1605	1402	0.01%	0.004%
25	4.131	867	868	877	rVB3	913	764	0.01%	0.002%
26	4.208	881	892	909	rVB4	6383	16189	0.12%	0.047%
27	4.292	909	918	922	rBV6	2453	3690	0.03%	0.011%
28	4.379	933	945	948	rBV3	1022	1651	0.01%	0.005%
29	4.569	990	1004	1019	rBV4	20255	48802	0.37%	0.141%
30	4.665	1019	1034	1070	rBV	252755	646973	4.86%	1.876%
31	4.990	1131	1135	1139	rBV3	590	542	0.00%	0.002%
32	5.102	1152	1170	1188	rBV	393382	858924	6.46%	2.490%
33	5.212	1198	1204	1205	rBV3	1909	1517	0.01%	0.004%
34	5.324	1233	1239	1247	rVB4	1444	2229	0.02%	0.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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	5.424	1256	1270	1286	rVB5	34204	78657	0.59%	0.228%
36	5.623	1330	1332	1339	rVB2	730	725	0.01%	0.002%
37	5.758	1349	1374	1378	rBV2	814236	1907220	14.34%	5.529%
38	5.806	1380	1389	1419	rVB	6585790	13302448	100.00%	38.563%
39	6.051	1454	1465	1483	rVB	71269	144861	1.09%	0.420%
40	6.279	1522	1536	1573	rVB	677756	1290102	9.70%	3.740%
41	6.562	1613	1624	1658	rBV9	12067	44701	0.34%	0.130%
42	6.720	1658	1673	1692	rBV	492463	955955	7.19%	2.771%
43	7.208	1815	1825	1833	rVB10	3420	6730	0.05%	0.020%
44	7.417	1884	1890	1894	rBV3	1208	1287	0.01%	0.004%
45	7.588	1929	1943	1958	rBV	269769	475170	3.57%	1.378%
46	7.707	1975	1980	1981	rBV3	1582	1388	0.01%	0.004%
47	7.922	2032	2047	2058	rBV	928523	1639753	12.33%	4.754%
48	7.993	2059	2069	2095	rVB	593524	1094327	8.23%	3.172%
49	8.121	2101	2109	2120	rVB2	16733	29940	0.23%	0.087%
50	8.199	2121	2133	2153	rVV	195592	327143	2.46%	0.948%
51	8.295	2154	2163	2175	rVB3	10013	17272	0.13%	0.050%
52	8.491	2219	2224	2226	rBV2	1002	912	0.01%	0.003%
53	8.655	2261	2275	2304	rBV	735944	1316658	9.90%	3.817%
54	8.816	2315	2325	2335	rBV3	13794	22907	0.17%	0.066%
55	9.176	2434	2437	2442	rVV3	542	532	0.00%	0.002%
56	9.285	2463	2471	2473	rVV3	496	641	0.00%	0.002%
57	9.433	2504	2517	2528	rBV	915072	1572047	11.82%	4.557%
58	9.588	2552	2565	2586	rBV	733401	1209745	9.09%	3.507%
59	9.710	2595	2603	2617	rVB	104408	184358	1.39%	0.534%
60	9.845	2635	2645	2651	rBV4	19373	31998	0.24%	0.093%
61	9.961	2672	2681	2693	rVB4	6645	10060	0.08%	0.029%
62	10.031	2693	2703	2707	rBV5	7153	12488	0.09%	0.036%
63	10.115	2719	2729	2745	rVB	165931	274275	2.06%	0.795%
64	10.292	2777	2784	2793	rVV6	3795	6006	0.05%	0.017%
65	10.350	2793	2802	2805	rVV5	1962	2972	0.02%	0.009%
66	10.379	2806	2811	2821	rVV6	3872	5837	0.04%	0.017%
67	10.440	2821	2830	2838	rVV5	4903	7015	0.05%	0.020%
68	10.498	2840	2848	2859	rVB3	8860	14528	0.11%	0.042%
69	10.665	2892	2900	2909	rVV5	4360	5470	0.04%	0.016%
70	10.771	2918	2933	2953	rBV	677424	1086981	8.17%	3.151%
71	10.851	2953	2958	2960	rBV4	804	662	0.00%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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	10.916	2969	2978	2987	rBV	8964	15206	0.11%	0.044%
73	10.986	2992	3000	3003	rBV3	7624	10664	0.08%	0.031%
74	11.099	3023	3035	3047	rBV7	4265	6422	0.05%	0.019%
75	11.305	3089	3099	3106	rBV2	13977	20690	0.16%	0.060%
76	11.411	3124	3132	3133	rBV5	3125	2966	0.02%	0.009%
77	11.478	3142	3153	3163	rBV	19944	28172	0.21%	0.082%
78	11.520	3163	3166	3168	rBV2	704	498	0.00%	0.001%
79	11.591	3185	3188	3193	rVB2	623	590	0.00%	0.002%
80	11.665	3207	3211	3214	rBV3	804	668	0.01%	0.002%
81	11.822	3247	3260	3277	rBV	988648	1555804	11.70%	4.510%
82	11.903	3277	3285	3296	rVB2	16989	24020	0.18%	0.070%
83	12.105	3332	3348	3356	rVV4	10922	19843	0.15%	0.058%
84	12.205	3365	3379	3394	rBV	1012331	1622847	12.20%	4.705%
85	12.321	3407	3415	3424	rVB2	4579	7464	0.06%	0.022%
86	12.697	3525	3532	3533	rBV2	1239	1318	0.01%	0.004%
87	12.784	3556	3559	3561	rBV	790	598	0.00%	0.002%
88	12.896	3589	3594	3599	rBV4	852	799	0.01%	0.002%
89	13.050	3638	3642	3647	rVB2	712	552	0.00%	0.002%
90	13.308	3719	3722	3726	rVB2	824	554	0.00%	0.002%
91	13.475	3765	3774	3778	rBV7	2200	3549	0.03%	0.010%
92	13.539	3788	3794	3795	rBV2	1470	1172	0.01%	0.003%
93	13.652	3822	3829	3834	rBV6	1962	2451	0.02%	0.007%
94	13.861	3892	3894	3897	rVV2	942	653	0.00%	0.002%
95	13.877	3897	3899	3904	rVB2	953	643	0.00%	0.002%
96	14.112	3962	3972	3984	rBV	38300	58633	0.44%	0.170%
97	14.234	4001	4010	4021	rVB3	5340	8786	0.07%	0.025%
98	15.266	4322	4331	4334	rBV5	1892	2687	0.02%	0.008%
99	15.449	4382	4388	4400	rVB10	2800	5447	0.04%	0.016%
100	15.771	4484	4488	4491	rBV4	1152	1054	0.01%	0.003%

Sum of corrected areas: 34495087

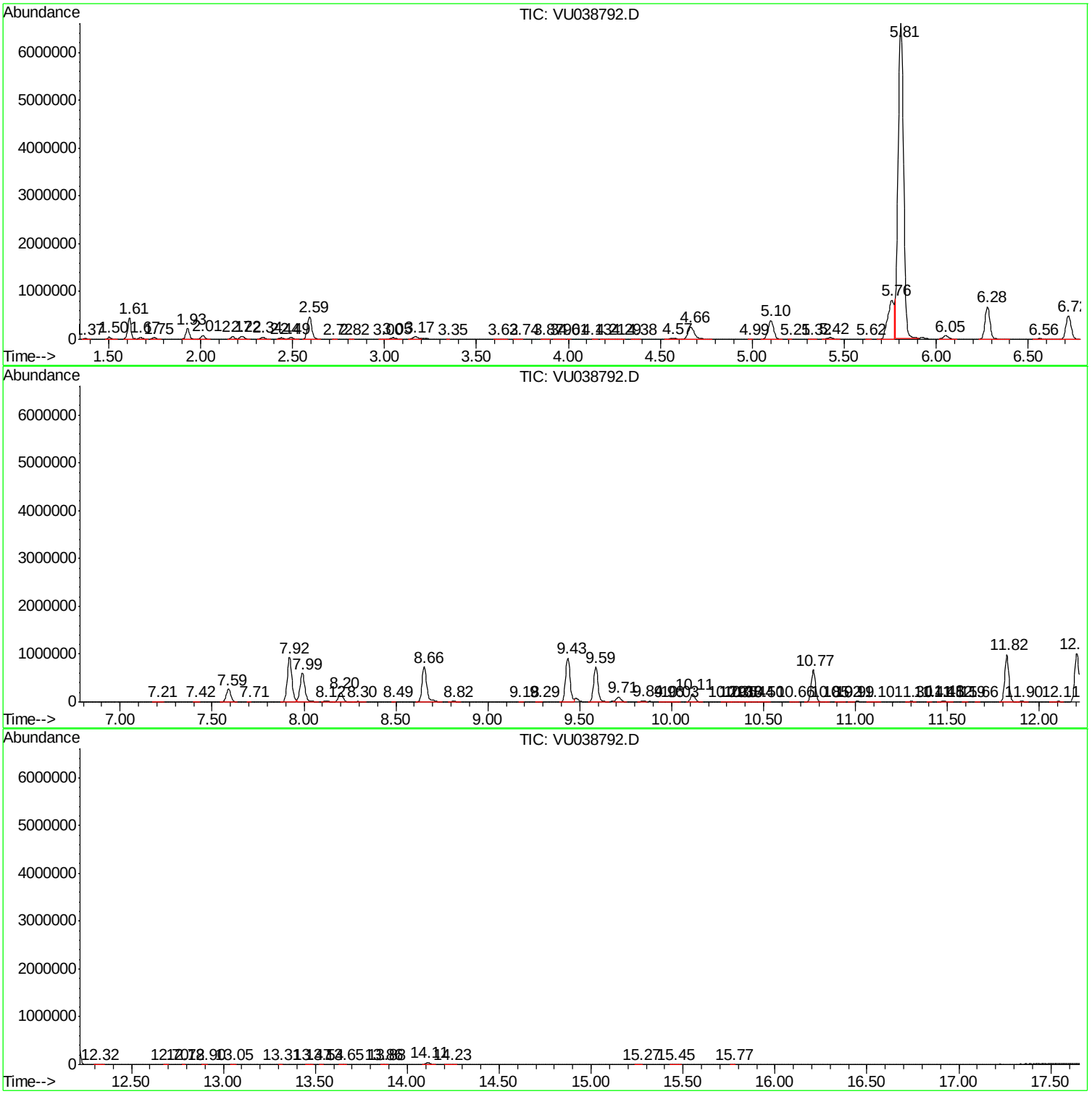
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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

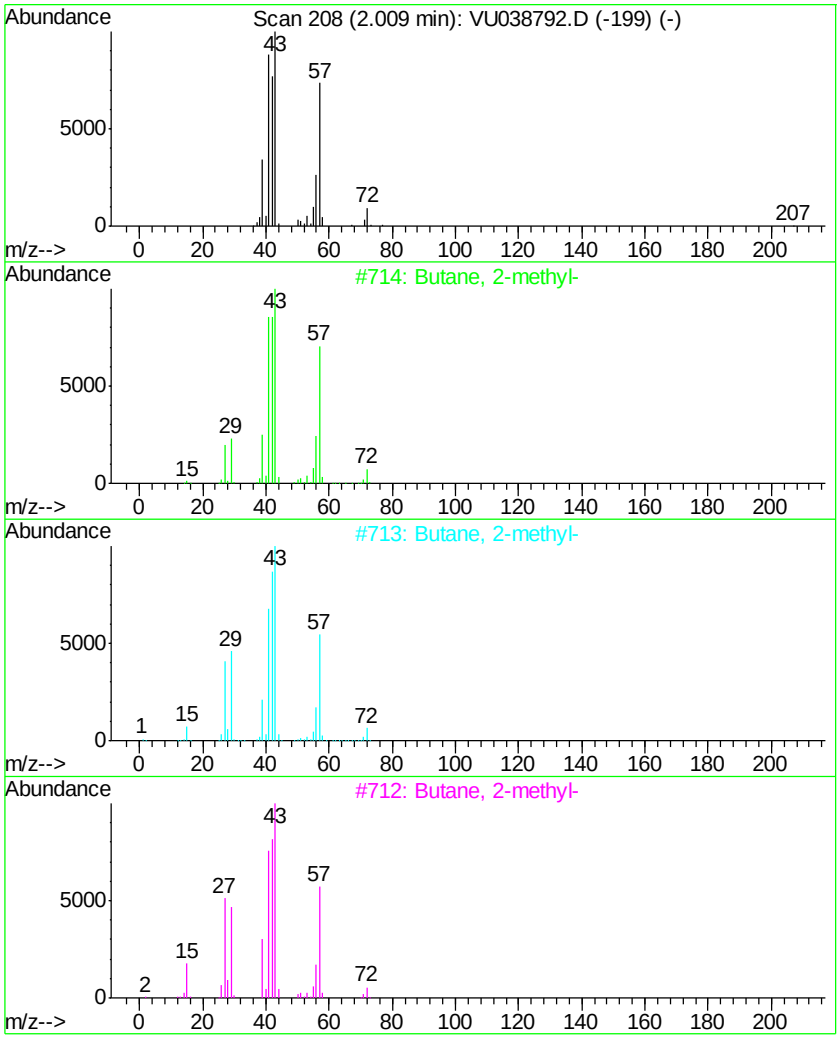
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

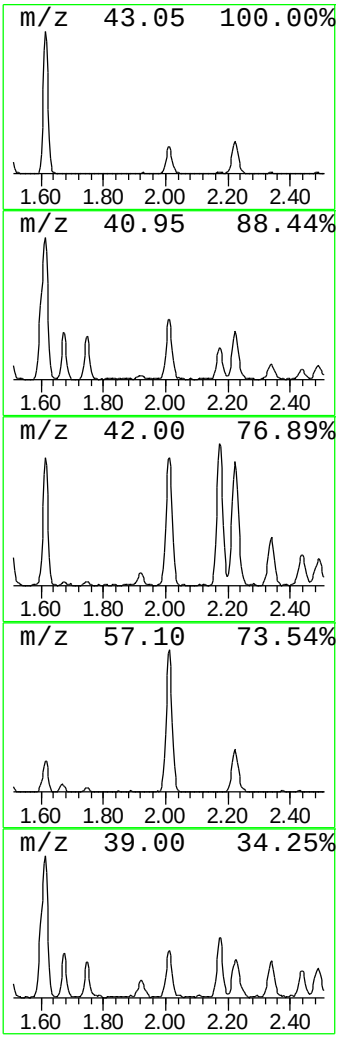
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	3.95 ug/L	102045	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	33
5	Pentane	72	C5H12	000109-66-0	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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

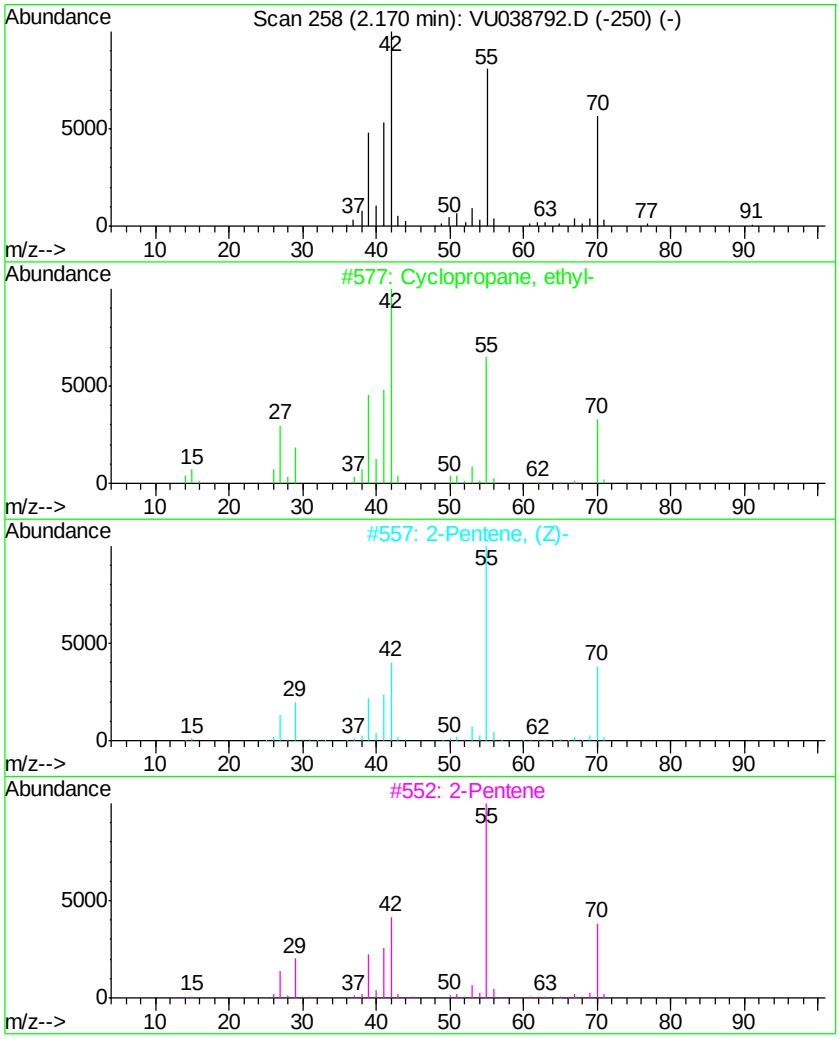
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

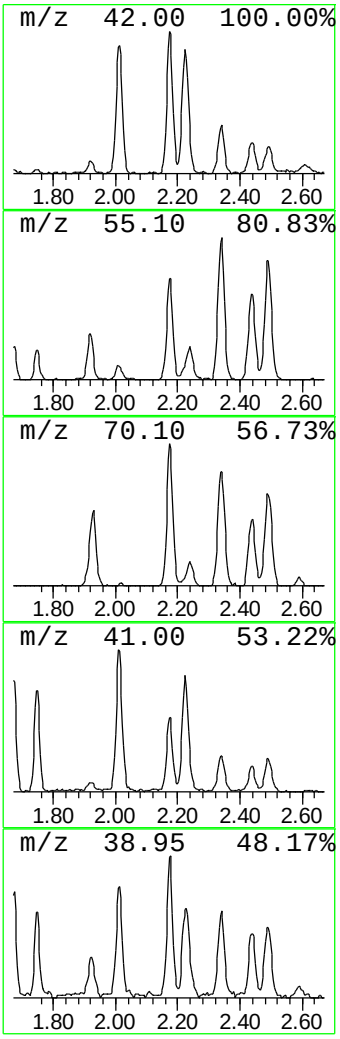
****

Peak Number 2 (DEL) Alkane: Cyclic2.17 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	3.14 ug/L	80999	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	2-Pentene	70	C5H10	000109-68-2	83
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
5	1-Pentene	70	C5H10	000109-67-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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

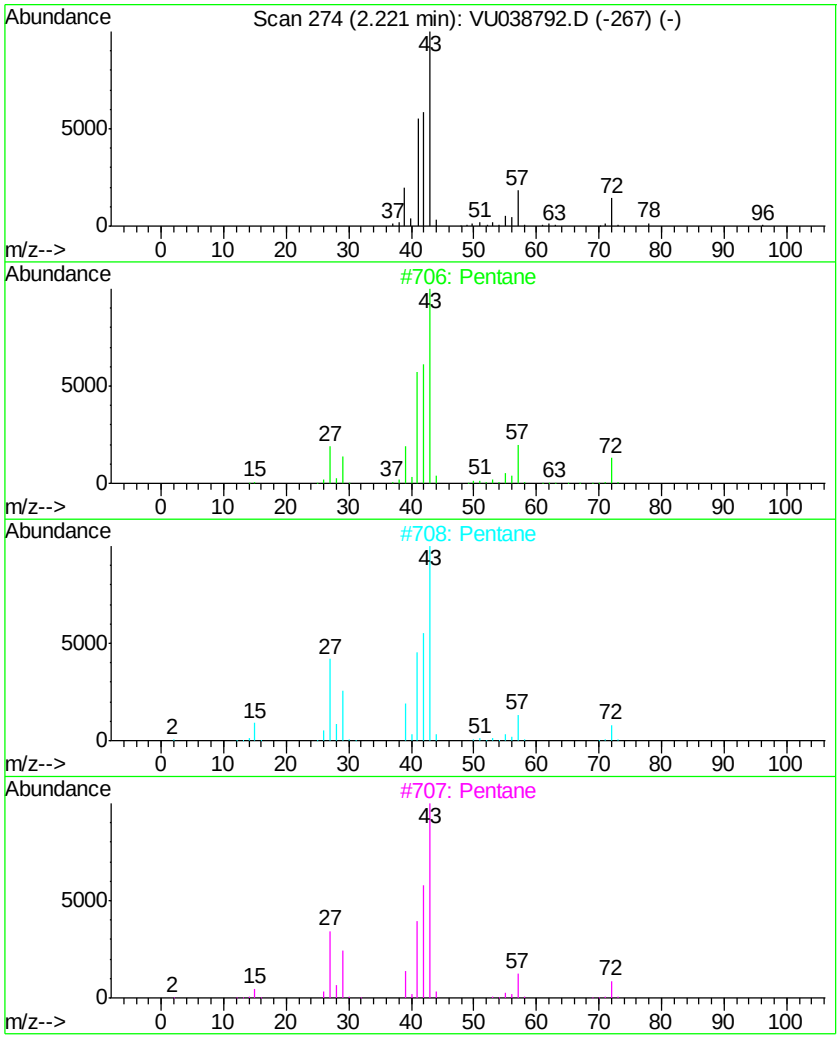
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

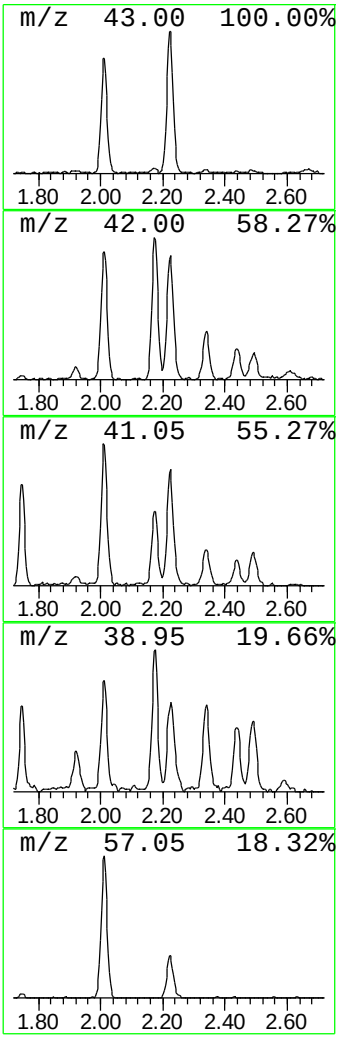
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	3.81 ug/L	98422	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	78
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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

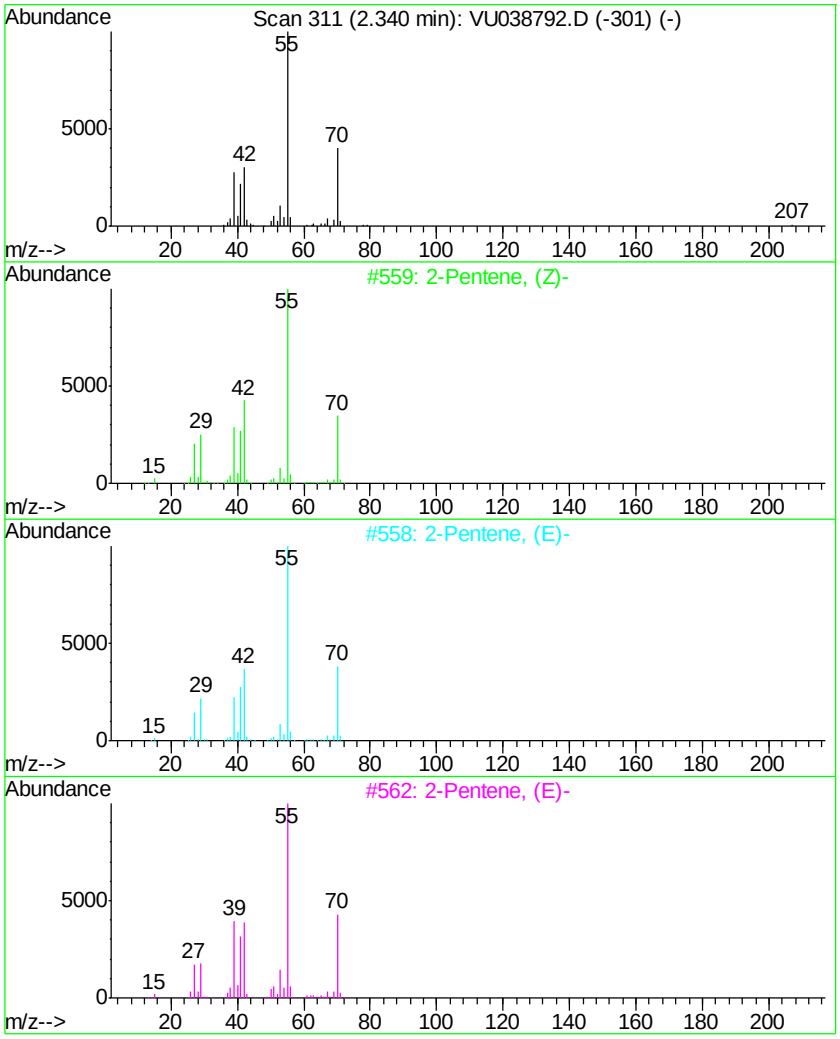
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

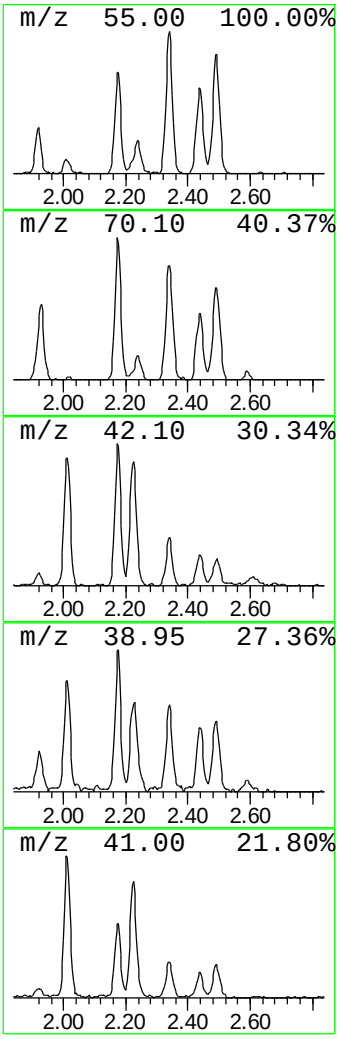
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	2.65 ug/L	68394	1,4-Difluorobenzene	6.28

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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

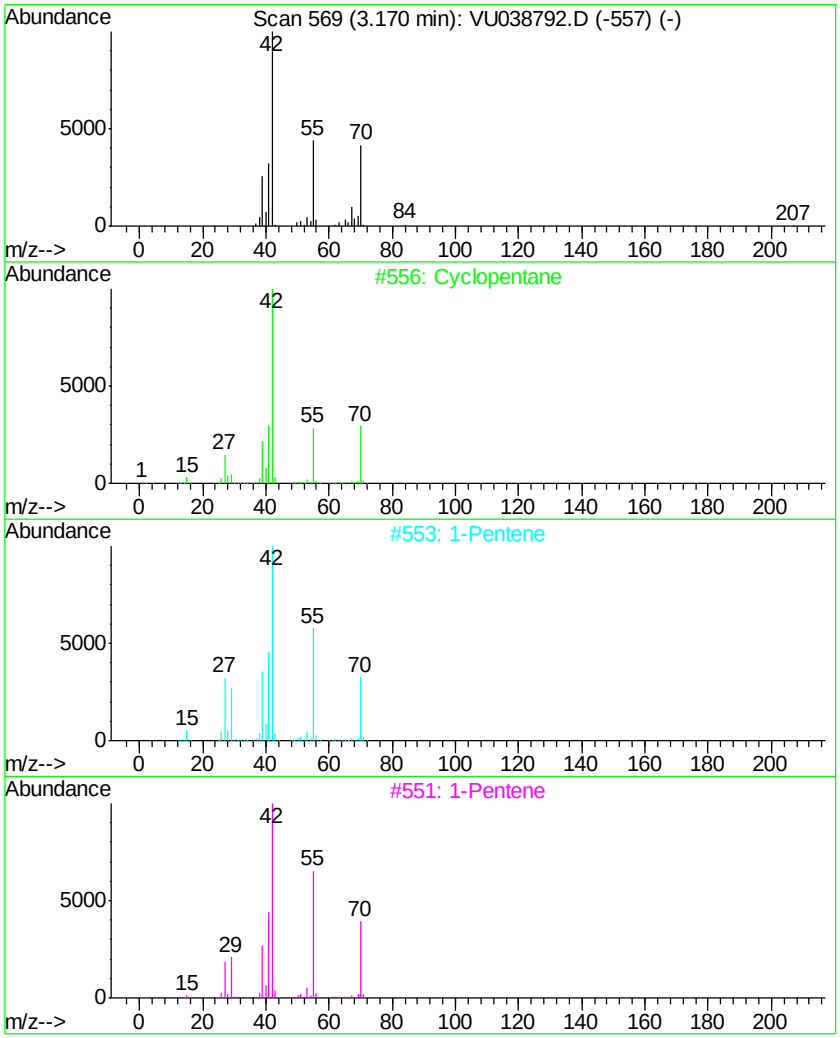
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

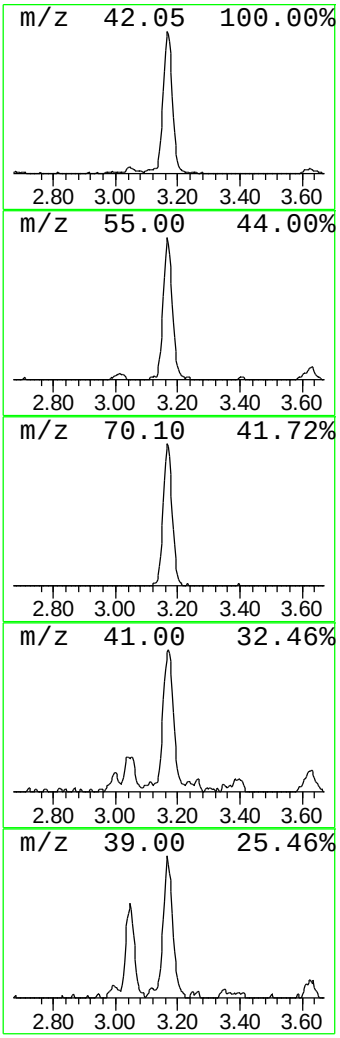
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	3.98 ug/L	102783	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	78
2	1-Pentene	70	C5H10	000109-67-1	72
3	1-Pentene	70	C5H10	000109-67-1	64
4	Cyclopentane	70	C5H10	000287-92-3	56
5	Cyclobutanone	70	C4H6O	001191-95-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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

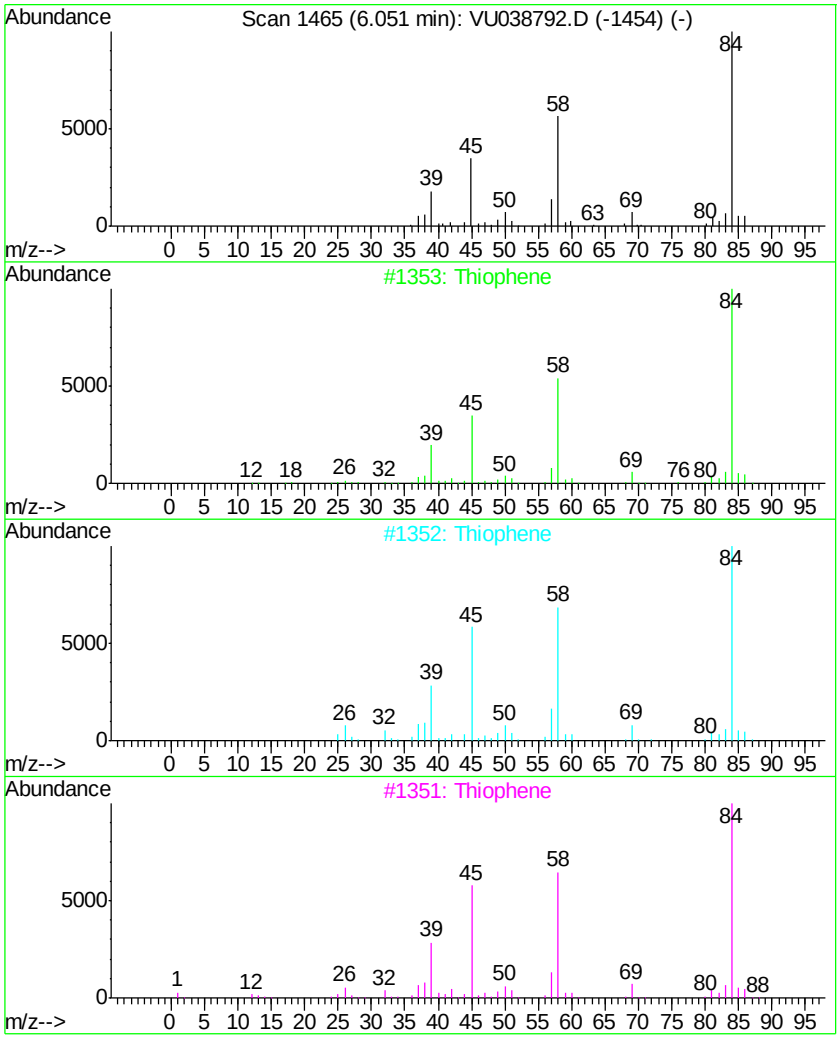
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

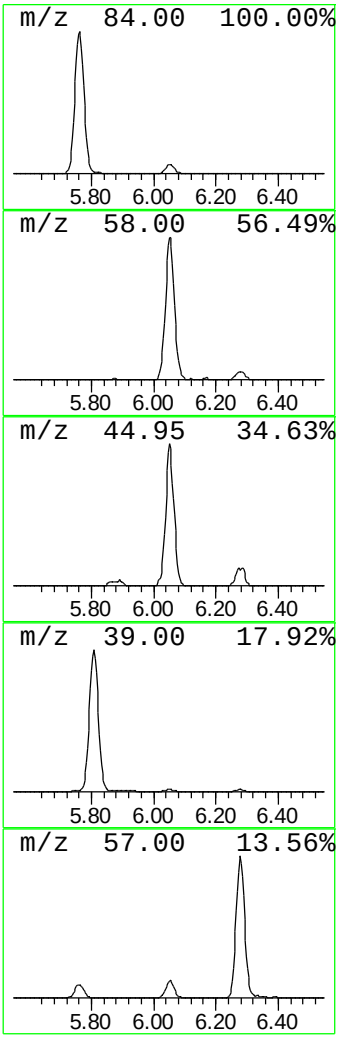
****

Peak Number 6 Thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	5.61 ug/L	144861	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	97
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	76
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038792.D
Acq On : 10 Jun 2020 21:52
Operator : SY/MD
Sample : L2915-01 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E04

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	4.0	ug/L	102045	1	6.28	1290100	50.0
(DEL) Alkane: Cyc...	2.17	3.1	ug/L	80999	1	6.28	1290100	50.0
(DEL) Alkane: Str...	2.22	3.8	ug/L	98422	1	6.28	1290100	50.0
(DEL) Alkane: Str...	2.34	2.6	ug/L	68394	1	6.28	1290100	50.0
(DEL) Alkane: Cyc...	3.17	4.0	ug/L	102783	1	6.28	1290100	50.0
Thiophene	6.05	5.6	ug/L	144861	1	6.28	1290100	50.0