LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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	4	9	18	rBV	9781	9708	0.07%	0.030%
2	1.501	43	50	57	rBV3	27457	30802	0.24%	0.096%
3	1.610	75	84	97	rVV2	279075	335137	2.58%	1.041%
4	1.671	98	103	119	rVB	31347	37738	0.29%	0.117%
5	1.745	120	126	133	rVB	27667	30673	0.24%	0.095%
6	1.929	174	183	199	rVB	168087	222639	1.71%	0.692%
7	2.009	201	208	219	rVV	36634	49448	0.38%	0.154%
8	2.173	251	259	266	rBV3	19887	26039	0.20%	0.081%
9	2.224	267	275	289	rVB3	30139	49913	0.38%	0.155%
10	2.340	301	311	321	rBV2	23255	34316	0.26%	0.107%
11	2.437	334	341	350	rVB2	13738	19586	0.15%	0.061%
12	2.488	350	357	368	rVB2	21970	32695	0.25%	0.102%
13	2.591	377	389	406	rBV2	379147	625810	4.81%	1.945%
14	2.713	425	427	434	rVB4	1010	894	0.01%	0.003%
15	2.974	505	508	510	rBV2	643	444	0.00%	0.001%
16	2.990	510	513	516	rVV4	1191	995	0.01%	0.003%
17	3.044	519	530	545	rVV2	27170	54321	0.42%	0.169%
18	3.166	557	568	578	rBV2	33590	69204	0.53%	0.215%
19	3.356	625	627	632	rBV4	444	359	0.00%	0.001%
20	3.395	632	639	642	rBV4	1200	1583	0.01%	0.005%
21	3.523	676	679	684	rBV3	441	352	0.00%	0.001%
22	3.694	729	732	736	rVB2	645	524	0.00%	0.002%
23	3.726	736	742	744	rBV3	1450	1437	0.01%	0.004%
24	3.752	748	750	754	rVB3	1110	704	0.01%	0.002%
25	3.928	798	805	806	rBV3	430	402	0.00%	0.001%
26	4.002	823	828	829	rBV2	799	716	0.01%	0.002%
27	4.012	829	831	841	rVB5	1086	1210	0.01%	0.004%
28	4.211	883	893	907	rVB3	4274	8351	0.06%	0.026%
29	4.285	907	916	917	rBV4	1431	1580	0.01%	0.005%
30	4.572	990	1005	1018	rBV4	10805	26074	0.20%	0.081%
31	4.662	1018	1033	1066	rBV	240665	580596	4.46%	1.804%
32	4.893	1102	1105	1109	rBV3	593	520	0.00%	0.002%
33	5.102	1153	1170	1195	rVV	354076	762660	5.86%	2.370%
34	5.282	1220	1226	1230	rVB5	346	417	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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	5.324	1230	1239	1248	rBV5	1802	3430	0.03%	0.011%
36	5.424	1254	1270	1286	rBV3	18710	43528	0.33%	0.135%
37	5.626	1331	1333	1339	rVB2	496	356	0.00%	0.001%
38	5.758	1350	1374	1378	rBV2	709200	1677398	12.90%	5.213%
39	5.806	1379	1389	1418	rVB	6364747	13004190	100.00%	40.410%
40	6.051	1457	1465	1483	rVB3	39662	78024	0.60%	0.242%
41	6.279	1522	1536	1569	rVB	645604	1242775	9.56%	3.862%
42	6.565	1613	1625	1628	rBV6	12545	21774	0.17%	0.068%
43	6.719	1659	1673	1690	rBV	445940	851092	6.54%	2.645%
44	6.896	1726	1728	1733	rVB2	609	400	0.00%	0.001%
45	7.205	1815	1824	1835	rVB6	2331	4466	0.03%	0.014%
46	7.588	1926	1943	1960	rBV	237435	417414	3.21%	1.297%
47	7.713	1973	1982	1993	rVB7	2362	4730	0.04%	0.015%
48	7.813	2008	2013	2023	rVB4	1176	1509	0.01%	0.005%
49	7.922	2032	2047	2058	rBV	800914	1411781	10.86%	4.387%
50	7.993	2058	2069	2099	rVV	1025105	1902265	14.63%	5.911%
51	8.121	2102	2109	2121	rVV	26835	47063	0.36%	0.146%
52	8.198	2122	2133	2151	rVB	173537	288792	2.22%	0.897%
53	8.292	2151	2162	2172	rBV2	12667	20716	0.16%	0.064%
54	8.552	2237	2243	2246	rBV2	394	463	0.00%	0.001%
55	8.571	2246	2249	2255	rVB4	721	539	0.00%	0.002%
56	8.652	2260	2274	2306	rBV	701057	1239318	9.53%	3.851%
57	8.816	2316	2325	2333	rBV5	7143	12059	0.09%	0.037%
58	8.931	2357	2361	2363	rVV4	684	598	0.00%	0.002%
59	9.083	2400	2408	2410	rBV2	289	402	0.00%	0.001%
60	9.292	2470	2473	2478	rVV3	481	428	0.00%	0.001%
61	9.433	2504	2517	2529	rBV	894971	1525690	11.73%	4.741%
62	9.587	2552	2565	2586	rBV	479166	794873	6.11%	2.470%
63	9.710	2589	2603	2619	rVB	85248	164671	1.27%	0.512%
64	9.845	2636	2645	2649	rBV5	11634	16957	0.13%	0.053%
65	9.964	2674	2682	2692	rVB5	7810	11872	0.09%	0.037%
66	10.034	2692	2704	2707	rBV5	6919	12031	0.09%	0.037%
67	10.115	2719	2729	2742	rVB	129327	207265	1.59%	0.644%
68	10.292	2777	2784	2792	rVV5	2885	4641	0.04%	0.014%
69	10.349	2795	2802	2804	rVV4	2178	2398	0.02%	0.007%
70	10.382	2806	2812	2820	rVV7	3822	6153	0.05%	0.019%
71	10.436	2823	2829	2839	rVV5	3869	6093	0.05%	0.019%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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	10.497	2839	2848	2858	rVB4	6792	9742	0.07%	0.030%
73	10.668	2890	2901	2912	rBV8	4094	6311	0.05%	0.020%
74	10.722	2915	2918	2920	rBV2	671	410	0.00%	0.001%
75	10.771	2920	2933	2950	rVV	616509	1003770	7.72%	3.119%
76	10.919	2968	2979	2987	rBV2	5959	11735	0.09%	0.036%
77	10.986	2992	3000	3004	rBV3	7909	12631	0.10%	0.039%
78	11.099	3025	3035	3041	rBV5	2632	3990	0.03%	0.012%
79	11.301	3090	3098	3110	rBV2	8707	14665	0.11%	0.046%
80	11.414	3127	3133	3134	rBV4	2150	1750	0.01%	0.005%
81	11.478	3144	3153	3162	rBV3	13478	20905	0.16%	0.065%
82	11.648	3202	3206	3207	rBV2	1075	542	0.00%	0.002%
83	11.822	3246	3260	3276	rBV	941101	1498761	11.53%	4.657%
84	11.906	3278	3286	3295	rVB2	10953	16528	0.13%	0.051%
85	12.105	3339	3348	3355	rVB3	6378	9636	0.07%	0.030%
86	12.205	3365	3379	3401	rBV	904278	1462519	11.25%	4.545%
87	12.291	3403	3406	3409	rVV3	851	769	0.01%	0.002%
88	12.320	3409	3415	3426	rVB4	3722	5965	0.05%	0.019%
89	12.783	3555	3559	3562	rBV	702	590	0.00%	0.002%
90	12.906	3594	3597	3599	rBV2	691	383	0.00%	0.001%
91	13.237	3696	3700	3707	rVB4	1083	1395	0.01%	0.004%
92	13.465	3768	3771	3772	rBV	751	438	0.00%	0.001%
93	13.729	3851	3853	3856	rVB	686	389	0.00%	0.001%
94	13.751	3856	3860	3863	rBV2	464	419	0.00%	0.001%
95	13.864	3889	3895	3904	rBV5	2624	3629	0.03%	0.011%
96	14.111	3962	3972	3986	rBV	22564	37021	0.28%	0.115%
97	14.234	4005	4010	4019	rVB5	3642	4815	0.04%	0.015%
98	14.359	4039	4049	4055	rBV6	2666	3431	0.03%	0.011%
99	14.558	4108	4111	4114	rBV3	620	470	0.00%	0.001%
100	15.198	4307	4310	4314	rBV3	1092	678	0.01%	0.002%

Sum of corrected areas: 32180288

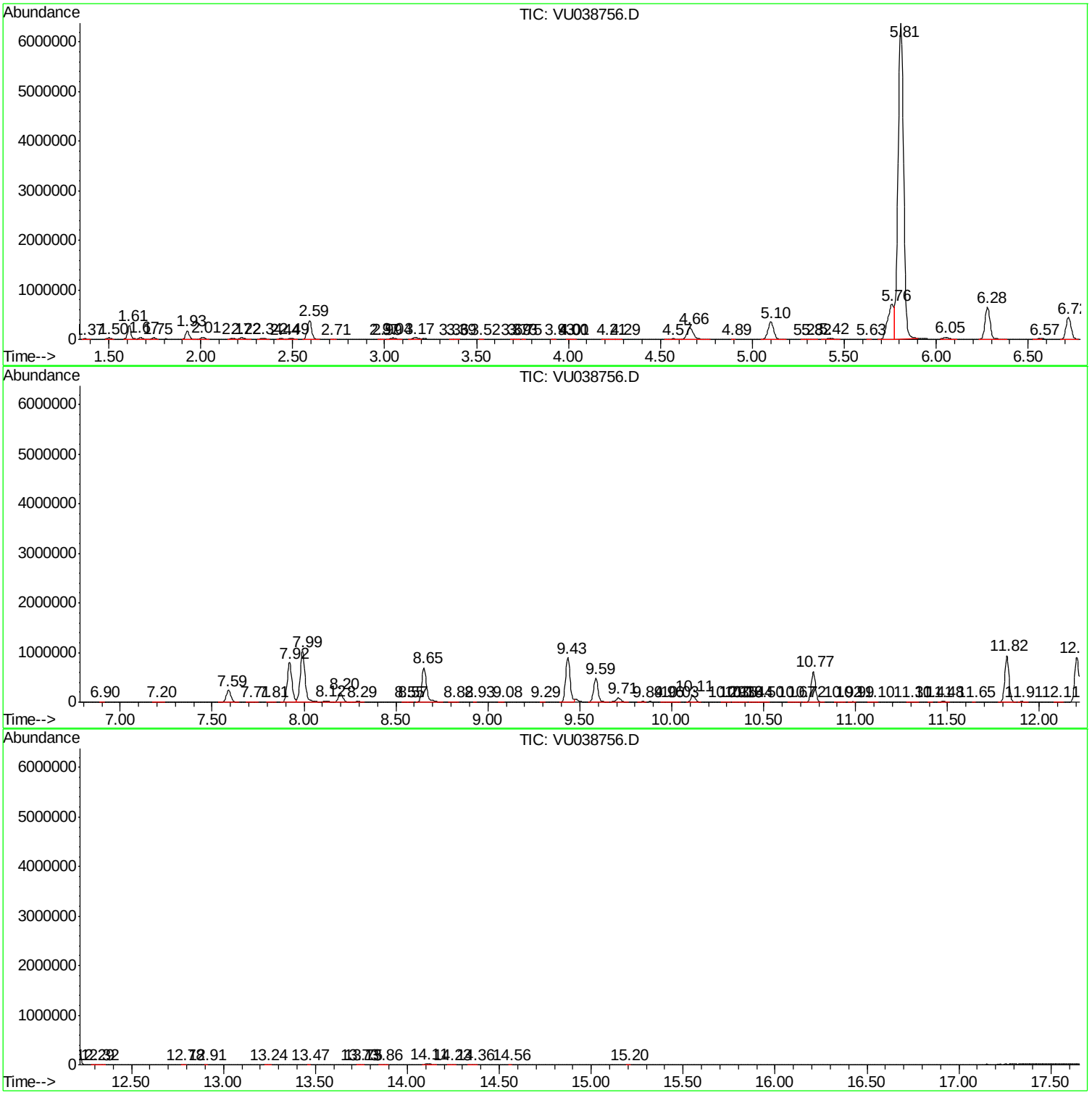
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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

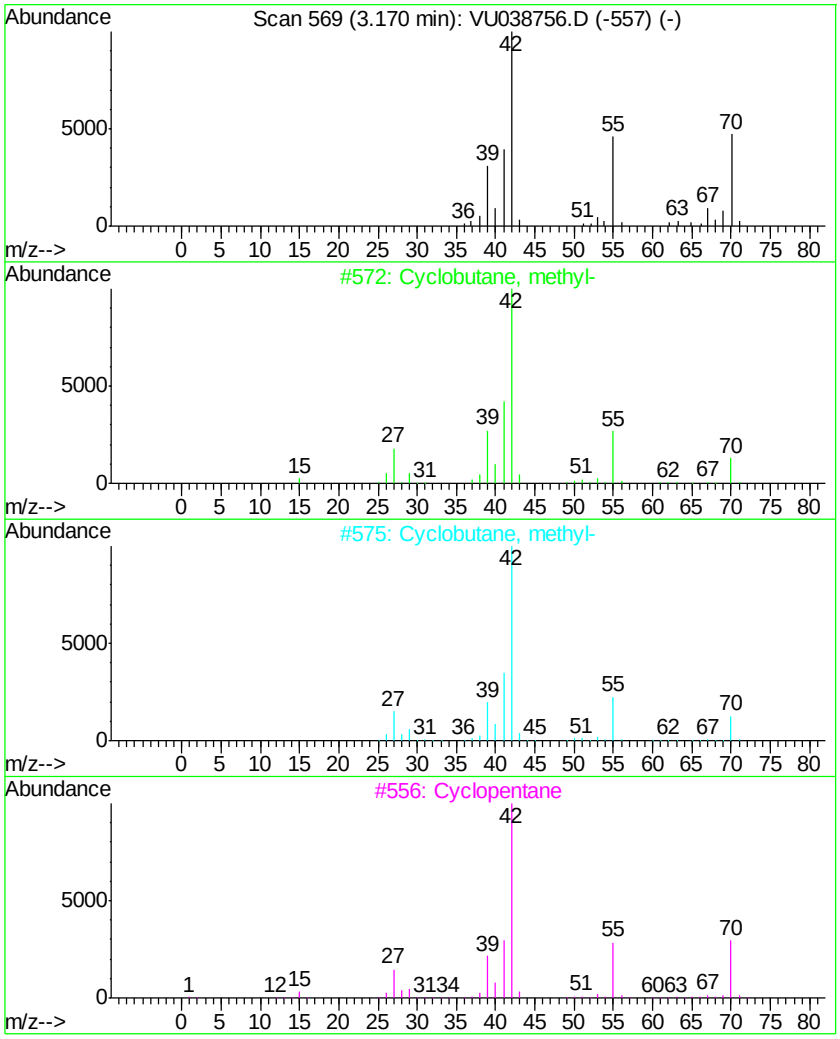
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

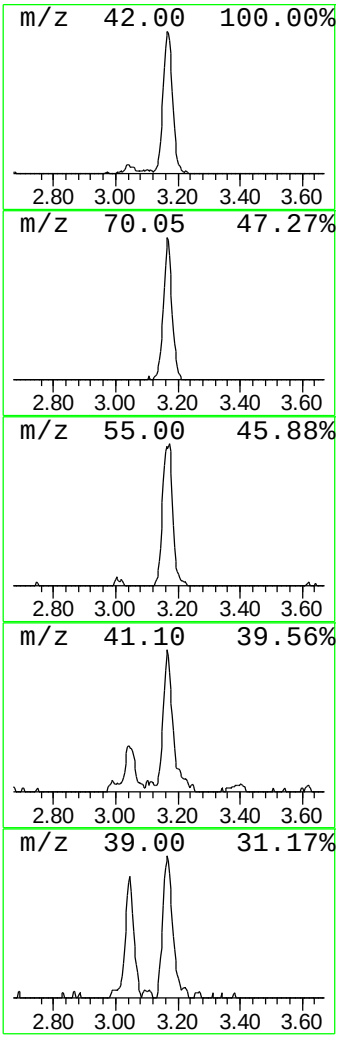
****

Peak Number 1 (DEL) Alkane: Cyclic3.17 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	2.78 ug/L	69204	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
3	Cyclopentane	70	C5H10	000287-92-3	78
4	1-Pentene	70	C5H10	000109-67-1	72
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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

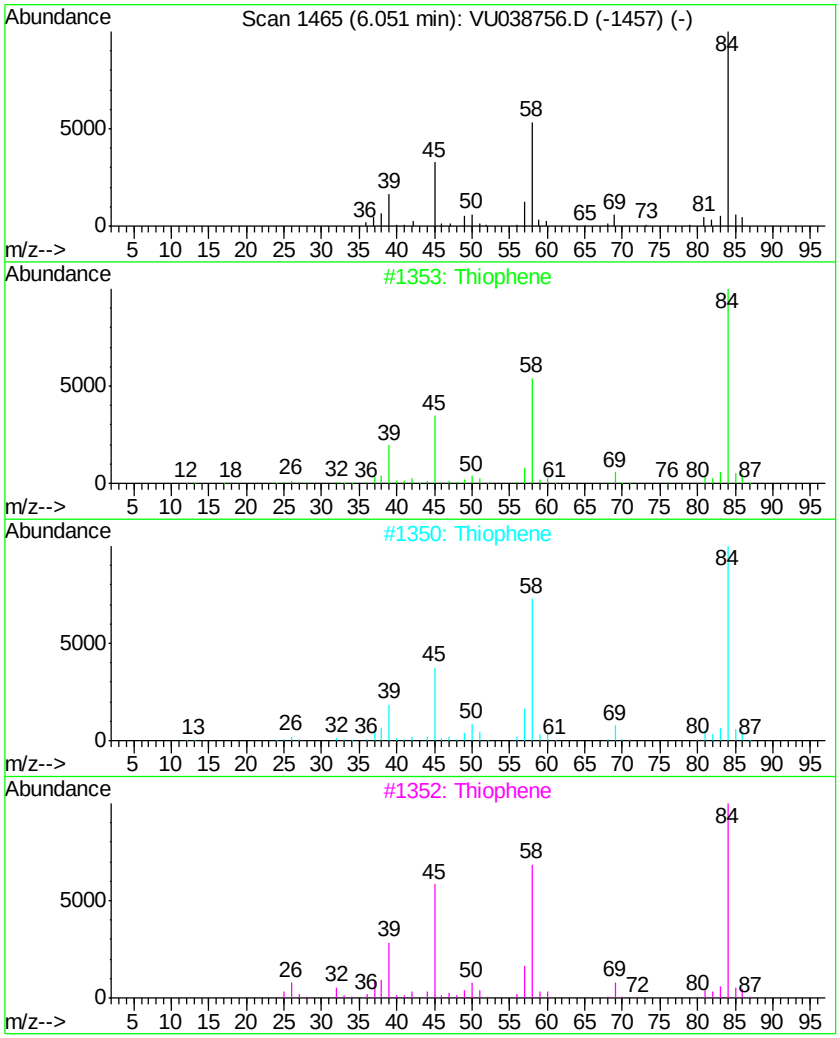
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

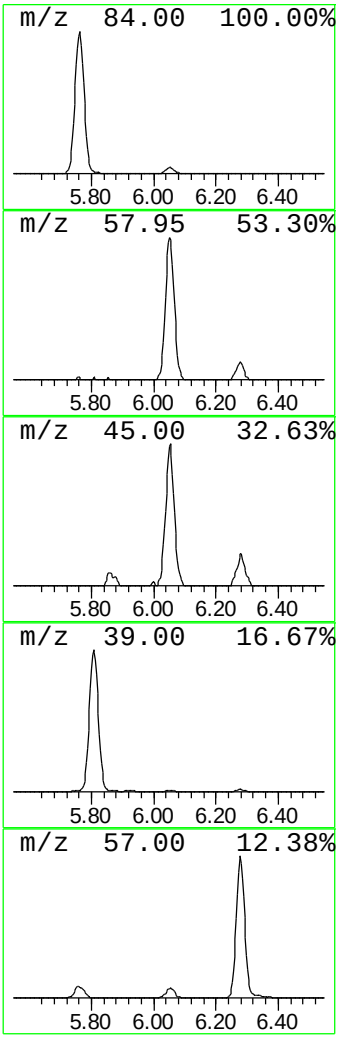
****

Peak Number 2 Thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	3.14 ug/L	78024	1,4-Difluorobenzene	6.28

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	91
4	Thiophene	84	C4H4S	000110-02-1	90
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061020\
Data File : VU038756.D
Acq On : 10 Jun 2020 04:43
Operator : SY/MD
Sample : L2913-05DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D84DL

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: Cyc...	3.17	2.8	ug/L	69204	1	6.28	1242780	50.0
Thiophene	6.05	3.1	ug/L	78024	1	6.28	1242780	50.0