LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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	5	10	15	rBV2	5730	5425	0.07%	0.019%
2	1.501	45	50	57	rBV2	16646	17345	0.21%	0.061%
3	1.613	74	85	97	rBV2	342335	403171	4.99%	1.428%
4	1.674	98	104	115	rVB	24362	28025	0.35%	0.099%
5	1.748	121	127	135	rVB3	18957	22168	0.27%	0.079%
6	1.928	174	183	195	rVB	213075	279640	3.46%	0.990%
7	2.012	200	209	219	rVB	63375	87316	1.08%	0.309%
8	2.173	251	259	267	rBV3	16855	24195	0.30%	0.086%
9	2.224	267	275	293	rVB2	56462	94957	1.18%	0.336%
10	2.340	303	311	326	rVB2	29632	44755	0.55%	0.158%
11	2.433	334	340	349	rBV2	13999	21076	0.26%	0.075%
12	2.491	349	358	371	rVB	55751	87588	1.08%	0.310%
13	2.591	377	389	406	rBV	459290	768630	9.51%	2.722%
14	2.816	455	459	460	rBV2	1509	934	0.01%	0.003%
15	2.903	483	486	494	rVB5	620	775	0.01%	0.003%
16	2.999	503	516	519	rBV8	3601	6701	0.08%	0.024%
17	3.044	520	530	545	rVB2	42103	83340	1.03%	0.295%
18	3.170	556	569	578	rBV2	43562	91089	1.13%	0.323%
19	3.395	630	639	648	rBV7	2139	4384	0.05%	0.016%
20	3.620	696	709	718	rVB6	2157	4285	0.05%	0.015%
21	3.723	737	741	742	rBV3	1158	690	0.01%	0.002%
22	3.948	807	811	816	rBV5	1295	1326	0.02%	0.005%
23	4.018	823	833	845	rVB4	3724	8997	0.11%	0.032%
24	4.128	861	867	868	rBV3	1197	1243	0.02%	0.004%
25	4.215	879	894	904	rBV3	6424	15780	0.20%	0.056%
26	4.288	910	917	930	rVB7	3309	6824	0.08%	0.024%
27	4.372	934	943	952	rBV5	1718	3015	0.04%	0.011%
28	4.568	989	1004	1019	rBV3	16209	38780	0.48%	0.137%
29	4.665	1019	1034	1068	rBV	255285	654014	8.10%	2.316%
30	4.851	1090	1092	1097	rVB3	1063	606	0.01%	0.002%
31	5.012	1138	1142	1146	rBV3	662	560	0.01%	0.002%
32	5.102	1152	1170	1193	rVV	388831	840134	10.40%	2.975%
33	5.211	1193	1204	1218	rVB4	5798	11976	0.15%	0.042%
34	5.317	1231	1237	1239	rBV5	1582	1591	0.02%	0.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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	5.420	1254	1269	1286	rBV5	24524	56354	0.70%	0.200%
36	5.623	1326	1332	1334	rBV3	541	569	0.01%	0.002%
37	5.761	1351	1375	1379	rBV2	796562	1985281	24.57%	7.030%
38	5.806	1380	1389	1418	rVB	3969409	8079119	100.00%	28.610%
39	6.050	1455	1465	1483	rVB3	33628	71294	0.88%	0.252%
40	6.279	1521	1536	1557	rBV	670705	1289831	15.96%	4.568%
41	6.562	1612	1624	1633	rBV6	13748	32862	0.41%	0.116%
42	6.719	1658	1673	1690	rBV	490723	948526	11.74%	3.359%
43	7.208	1812	1825	1833	rVV10	4419	8879	0.11%	0.031%
44	7.411	1882	1888	1890	rBV2	1569	1381	0.02%	0.005%
45	7.587	1930	1943	1958	rBV	268430	467043	5.78%	1.654%
46	7.719	1972	1984	1992	rVB7	4463	8695	0.11%	0.031%
47	7.774	1994	2001	2010	rBV7	3299	6628	0.08%	0.023%
48	7.922	2032	2047	2059	rBV	920125	1625260	20.12%	5.755%
49	7.989	2060	2068	2086	rVB	360719	651835	8.07%	2.308%
50	8.121	2099	2109	2122	rVB	61312	104075	1.29%	0.369%
51	8.198	2122	2133	2151	rVV	193394	326142	4.04%	1.155%
52	8.292	2153	2162	2179	rVB3	29292	50816	0.63%	0.180%
53	8.571	2243	2249	2256	rVB4	1518	1541	0.02%	0.005%
54	8.655	2257	2275	2303	rBV	764206	1359698	16.83%	4.815%
55	8.764	2307	2309	2315	rVB4	1824	1469	0.02%	0.005%
56	8.806	2319	2322	2332	rVB8	2684	4246	0.05%	0.015%
57	8.931	2353	2361	2372	rBV6	1956	3641	0.05%	0.013%
58	9.433	2504	2517	2529	rBV	938114	1600793	19.81%	5.669%
59	9.587	2552	2565	2584	rBV	484372	790986	9.79%	2.801%
60	9.709	2588	2603	2619	rVB3	72187	149877	1.86%	0.531%
61	9.845	2631	2645	2650	rBV4	15193	25501	0.32%	0.090%
62	9.960	2668	2681	2692	rBV6	9328	15215	0.19%	0.054%
63	10.028	2692	2702	2709	rBV7	8003	16058	0.20%	0.057%
64	10.115	2720	2729	2746	rVB	135232	224348	2.78%	0.794%
65	10.295	2777	2785	2793	rVB6	4545	5850	0.07%	0.021%
66	10.346	2793	2801	2804	rBV	2935	3418	0.04%	0.012%
67	10.375	2805	2810	2811	rBV5	2428	2052	0.03%	0.007%
68	10.439	2820	2830	2839	rBV4	5850	9023	0.11%	0.032%
69	10.497	2840	2848	2856	rVV3	10628	15043	0.19%	0.053%
70	10.664	2891	2900	2910	rVV5	5601	7792	0.10%	0.028%
71	10.771	2918	2933	2952	rBV	685303	1088143	13.47%	3.853%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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	10.915	2968	2978	2989	rBV2	10792	17724	0.22%	0.063%
73	10.986	2989	3000	3011	rBV2	10073	21878	0.27%	0.077%
74	11.102	3025	3036	3050	rVB5	4134	7710	0.10%	0.027%
75	11.301	3090	3098	3120	rVB2	17355	33330	0.41%	0.118%
76	11.414	3125	3133	3141	rVB7	4003	5960	0.07%	0.021%
77	11.478	3143	3153	3163	rBV2	24928	37490	0.46%	0.133%
78	11.542	3163	3173	3182	rVB9	1756	3489	0.04%	0.012%
79	11.754	3229	3239	3247	rVB9	2828	4456	0.06%	0.016%
80	11.822	3247	3260	3276	rVV	1016191	1604128	19.86%	5.681%
81	11.906	3276	3286	3296	rVV	22024	35352	0.44%	0.125%
82	11.957	3296	3302	3309	rVB5	1551	1883	0.02%	0.007%
83	12.105	3338	3348	3359	rVV2	13482	20889	0.26%	0.074%
84	12.205	3364	3379	3394	rBV	994452	1610494	19.93%	5.703%
85	12.320	3408	3415	3426	rVB2	5530	8332	0.10%	0.030%
86	12.510	3470	3474	3480	rVB3	732	629	0.01%	0.002%
87	12.584	3493	3497	3499	rBV	1082	770	0.01%	0.003%
88	12.693	3527	3531	3540	rVB4	2909	3421	0.04%	0.012%
89	13.008	3626	3629	3634	rBV3	961	815	0.01%	0.003%
90	13.041	3636	3639	3643	rVB3	1006	827	0.01%	0.003%
91	13.237	3694	3700	3708	rVB4	3212	4122	0.05%	0.015%
92	13.471	3765	3773	3783	rVB6	4012	5954	0.07%	0.021%
93	13.545	3792	3796	3801	rVB3	1433	1412	0.02%	0.005%
94	13.648	3819	3828	3836	rBV8	3141	4688	0.06%	0.017%
95	13.867	3886	3896	3904	rVB6	5193	7707	0.10%	0.027%
96	13.995	3932	3936	3940	rBV3	584	561	0.01%	0.002%
97	14.111	3962	3972	3987	rVB2	46017	74797	0.93%	0.265%
98	14.233	4002	4010	4018	rBV	5697	8699	0.11%	0.031%
99	14.359	4042	4049	4061	rVB5	5570	8021	0.10%	0.028%
100	15.452	4386	4389	4395	rVB6	2399	2632	0.03%	0.009%

Sum of corrected areas: 28238789

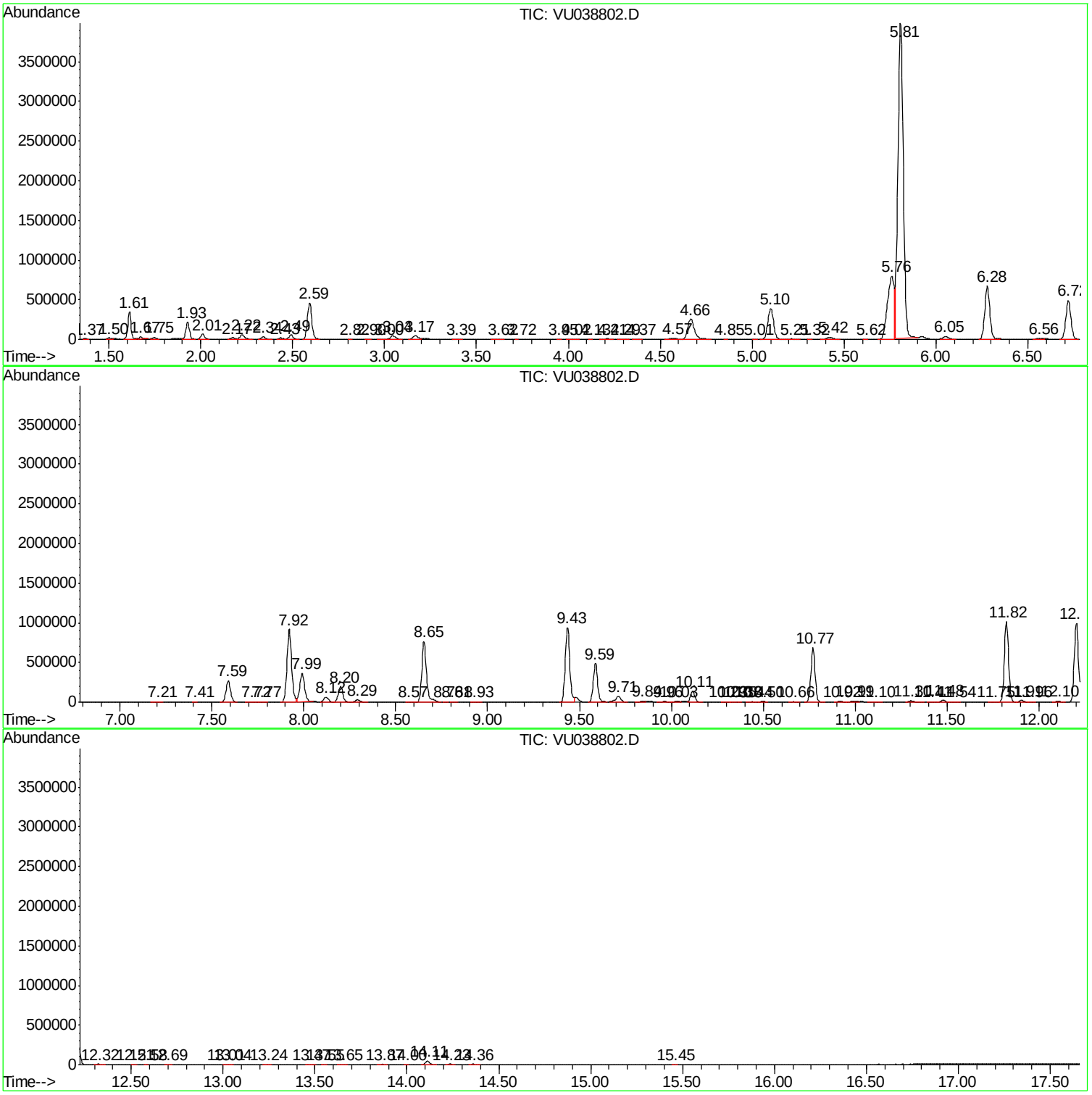
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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 : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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

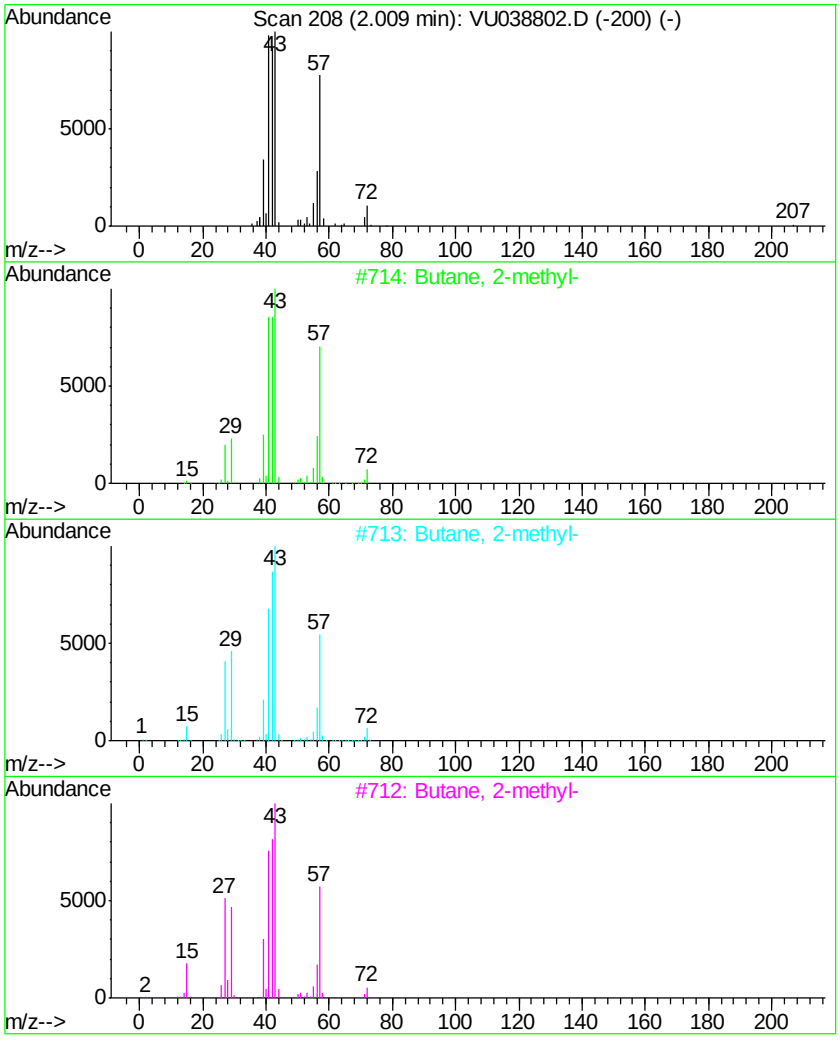
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

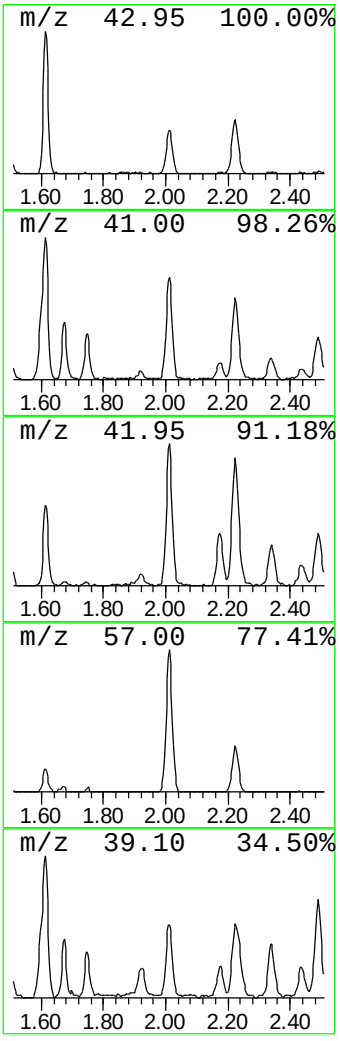
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	3.38 ug/L	87316	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	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	37
5	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

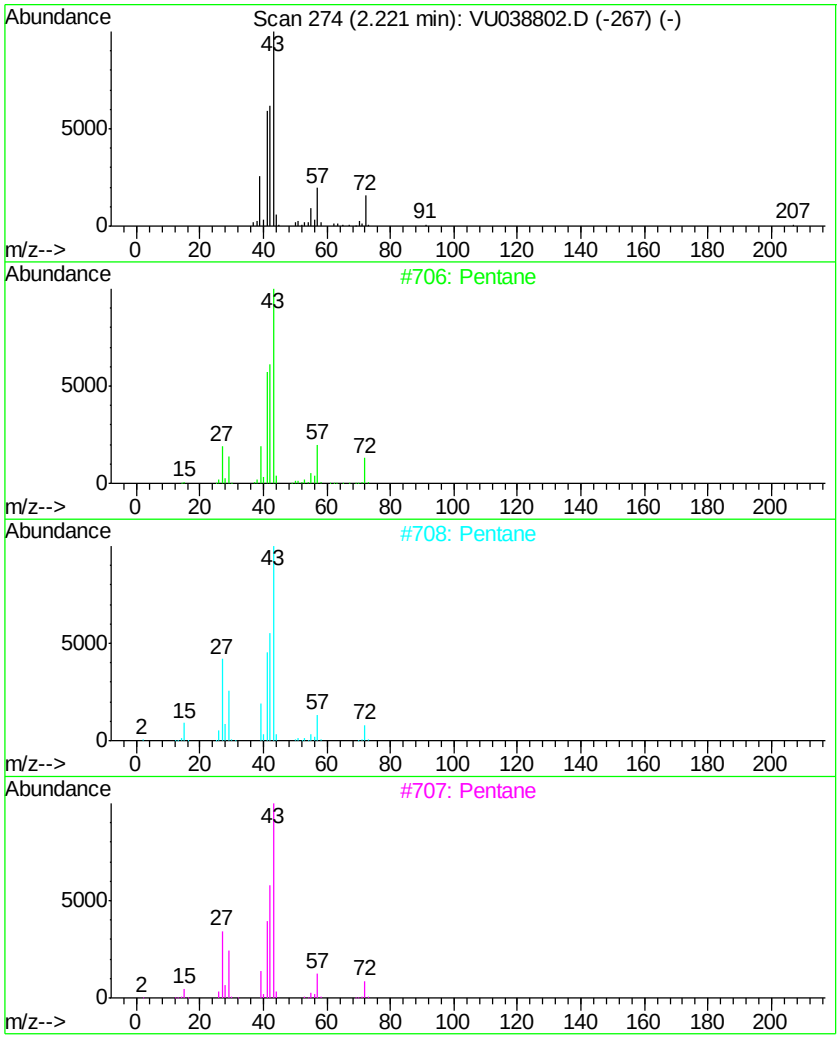
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

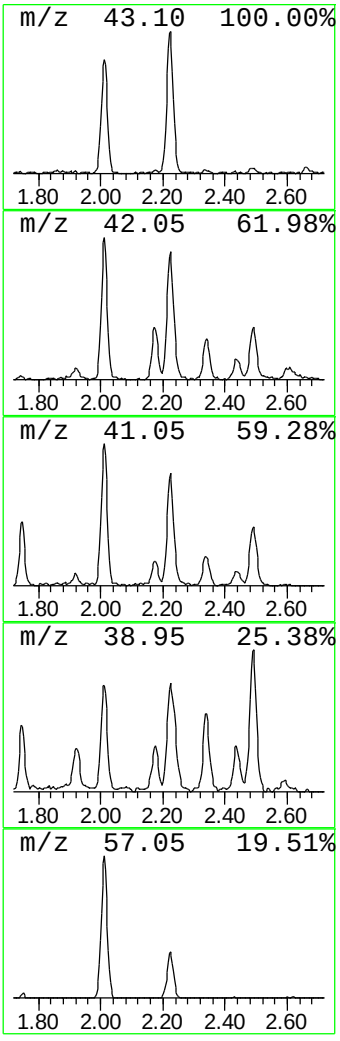
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	3.68 ug/L	94957	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	78
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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

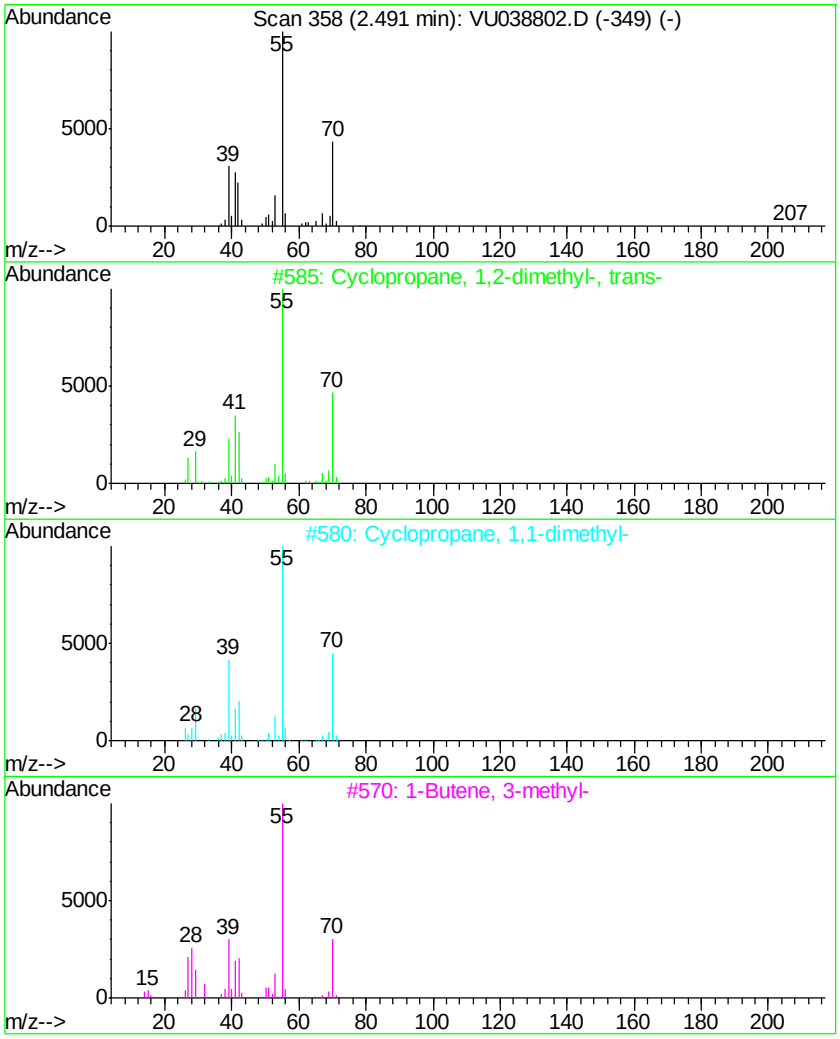
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

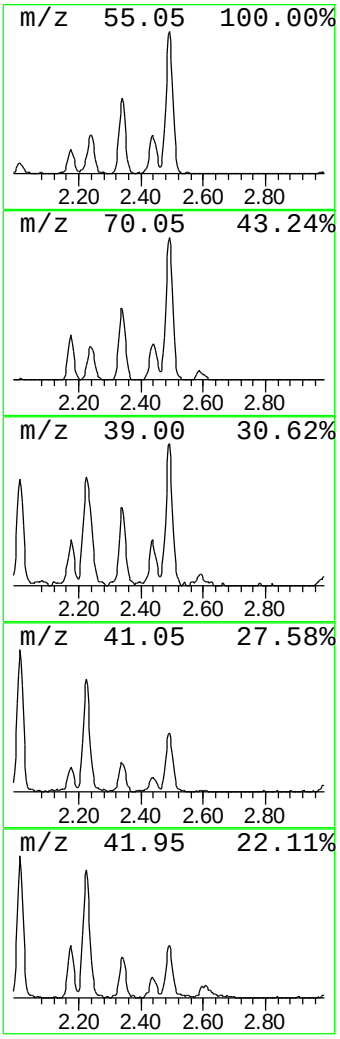
****

Peak Number 3 (DEL) Alkane: Cyclic2.49 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	3.40 ug/L	87588	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	91
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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

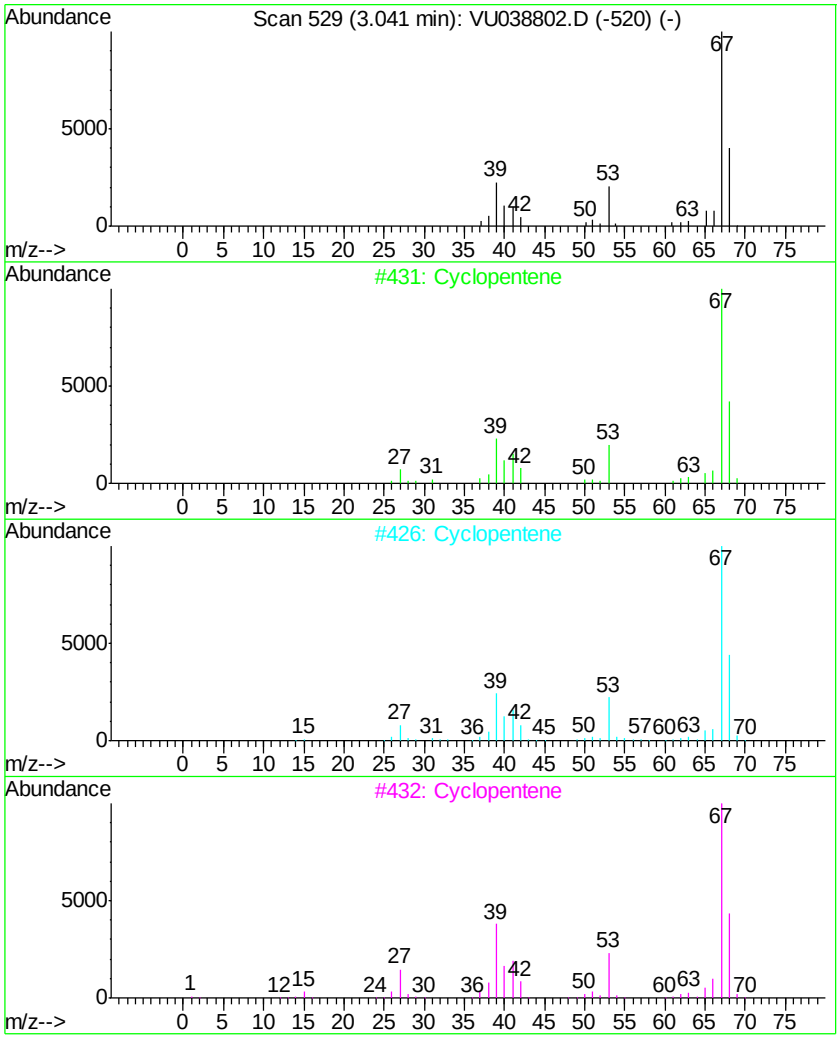
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

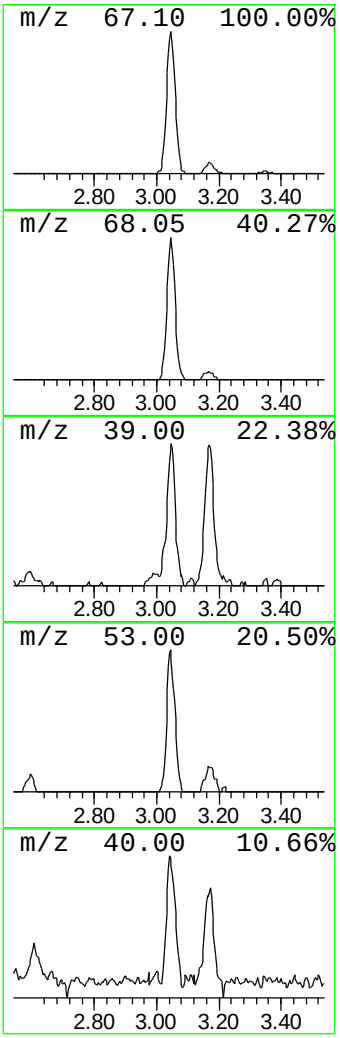
****

Peak Number 4 Cyclopentene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.04	3.23 ug/L	83340	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	91
3	Cyclopentene	68	C5H8	000142-29-0	90
4	Cyclopentene	68	C5H8	000142-29-0	90
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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

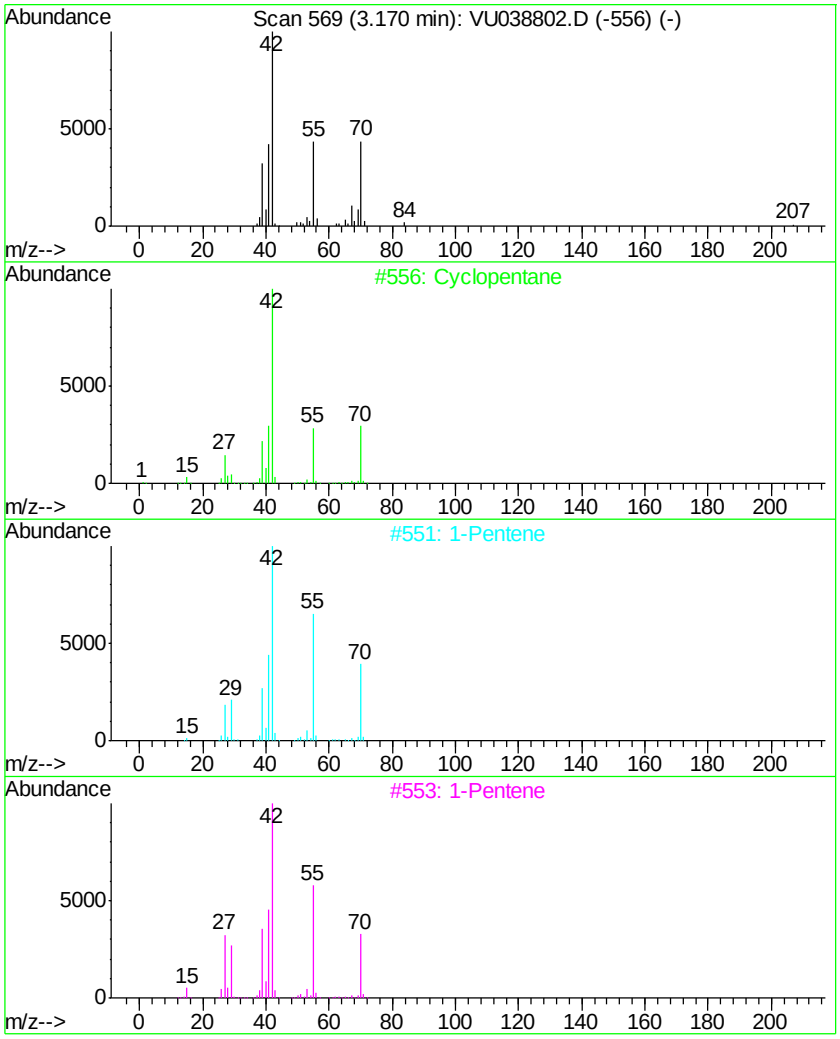
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

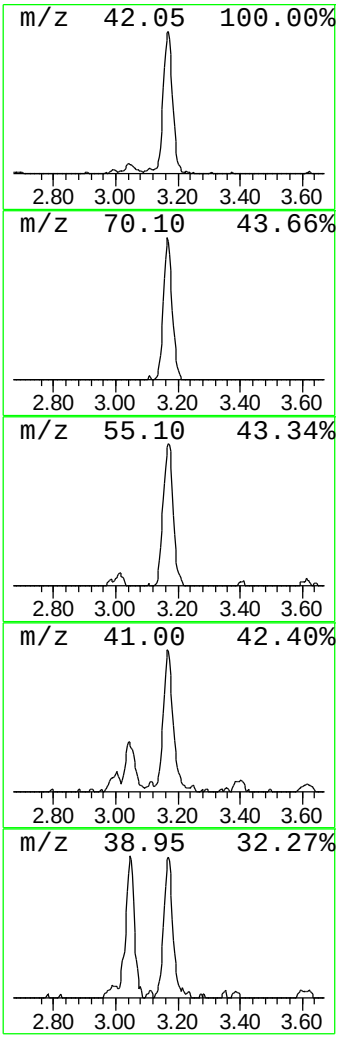
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	3.53 ug/L	91089	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	72
3	1-Pentene	70	C5H10	000109-67-1	72
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
5	Cyclopentane	70	C5H10	000287-92-3	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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

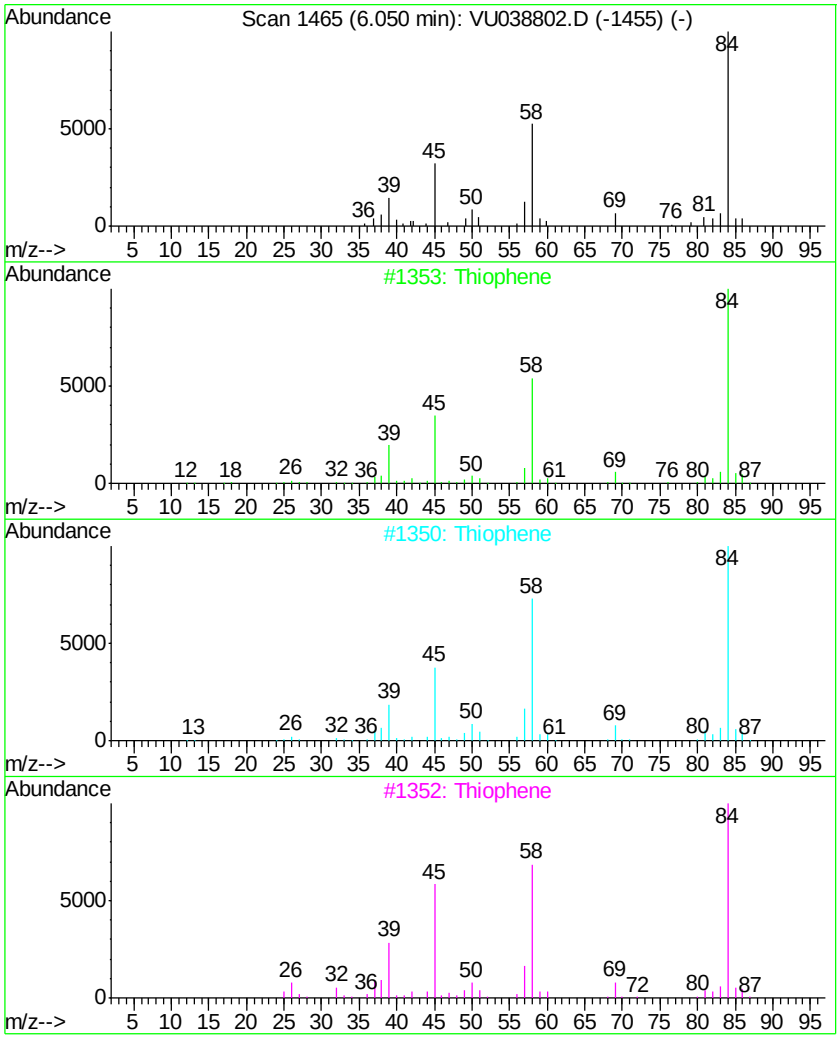
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

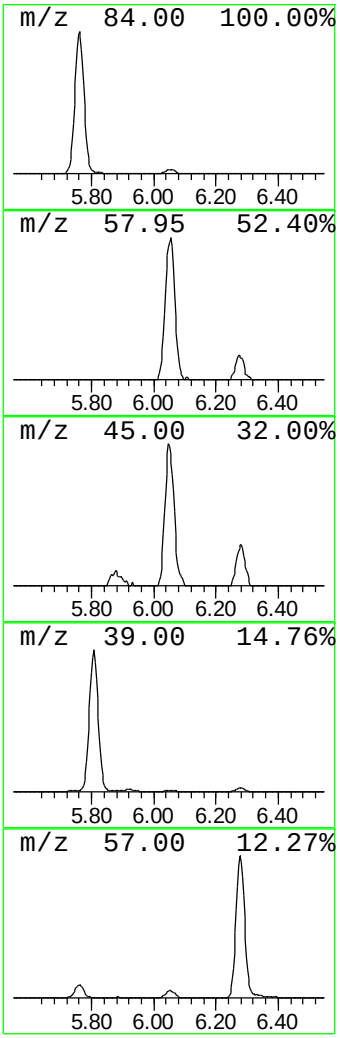
****

Peak Number 6 Thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	2.76 ug/L	71294	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	90
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	23





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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

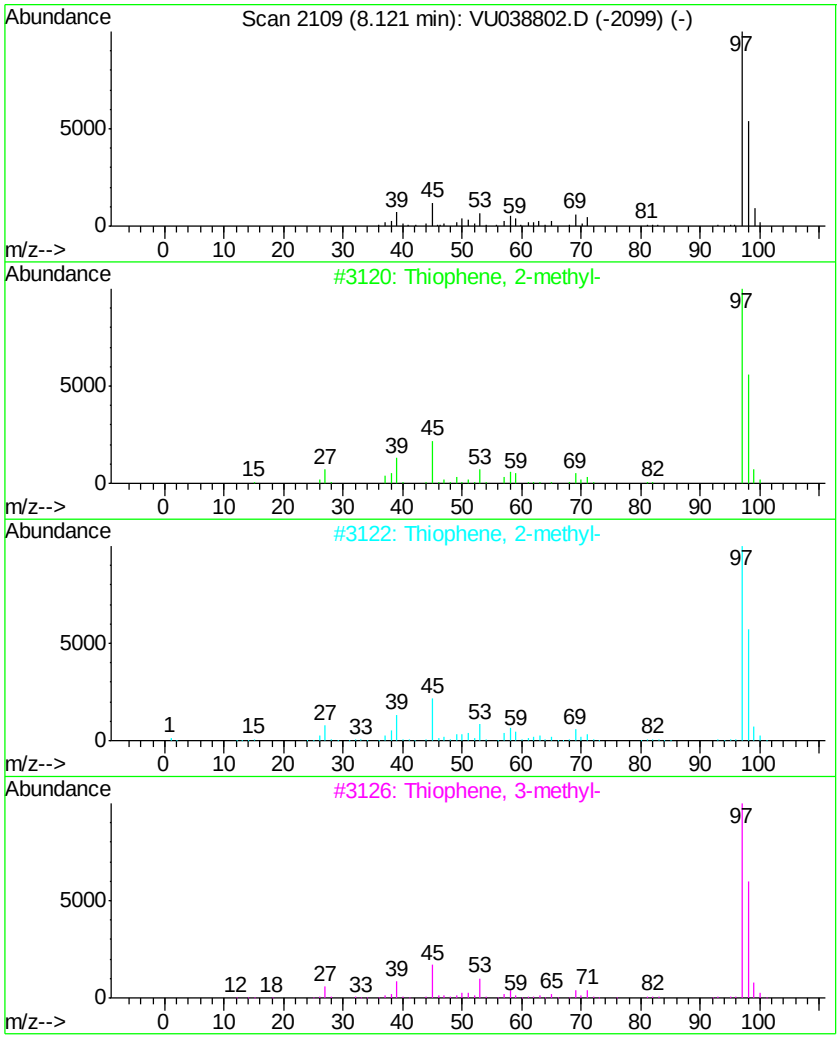
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

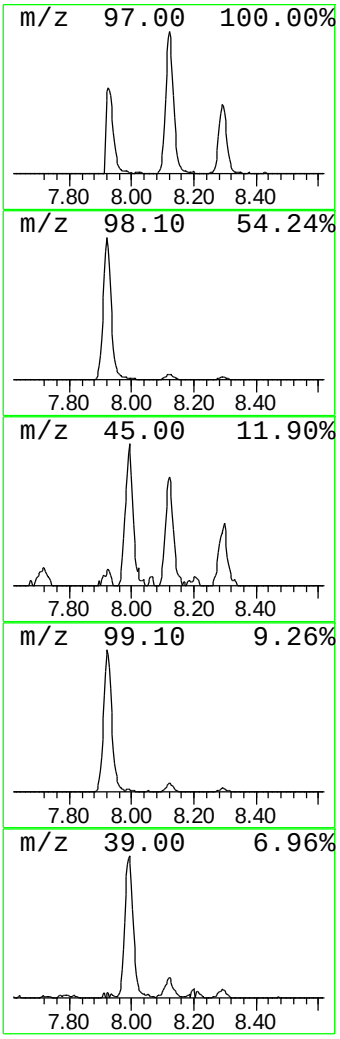
****

Peak Number 8 Thiophene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	3.25 ug/L	104075	Chlorobenzene-d5	9.43

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038802.D
Acq On : 11 Jun 2020 02:17
Operator : SY/MD
Sample : L2915-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E17

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	87316	1	6.28	1289830	50.0
(DEL) Alkane: Str...	2.22	3.7	ug/L	94957	1	6.28	1289830	50.0
(DEL) Alkane: Cyc...	2.49	3.4	ug/L	87588	1	6.28	1289830	50.0
Cyclopentene	3.04	3.2	ug/L	83340	1	6.28	1289830	50.0
(DEL) Alkane: Cyc...	3.17	3.5	ug/L	91089	1	6.28	1289830	50.0
Thiophene	6.05	2.8	ug/L	71294	1	6.28	1289830	50.0
Thiophene, 2-methyl-	8.12	3.3	ug/L	104075	2	9.43	1600790	50.0