LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038806.D
Acq On : 11 Jun 2020 03:45
Operator : SY/MD
Sample : L2915-13 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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	1.501	45	50	57	rBV2	18830	19558	0.26%	0.067%
2	1.613	75	85	97	rBV2	383693	431130	5.71%	1.482%
3	1.674	98	104	115	rVB3	19983	24387	0.32%	0.084%
4	1.748	121	127	135	rVB4	13824	16852	0.22%	0.058%
5	1.928	175	183	198	rVB	215132	280663	3.72%	0.965%
6	2.012	200	209	218	rVB	86815	118453	1.57%	0.407%
7	2.176	252	260	266	rBV3	16391	22967	0.30%	0.079%
8	2.224	267	275	289	rVB2	71374	112618	1.49%	0.387%
9	2.340	303	311	320	rVB	30233	42703	0.57%	0.147%
10	2.436	333	341	349	rBV2	14449	21532	0.29%	0.074%
11	2.491	349	358	369	rVB	53815	82692	1.09%	0.284%
12	2.591	376	389	412	rBV	474441	799809	10.59%	2.749%
13	2.819	456	460	468	rVB6	908	1412	0.02%	0.005%
14	3.002	499	517	519	rBV7	3893	7878	0.10%	0.027%
15	3.044	520	530	545	rVB	27746	55143	0.73%	0.190%
16	3.166	557	568	580	rBV	59840	125758	1.66%	0.432%
17	3.350	622	625	629	rVV4	837	717	0.01%	0.002%
18	3.398	629	640	649	rVB5	3840	8006	0.11%	0.028%
19	3.610	698	706	711	rBV5	2068	2908	0.04%	0.010%
20	3.684	723	729	732	rBV2	369	476	0.01%	0.002%
21	3.732	737	744	759	rVV3	1851	3491	0.05%	0.012%
22	3.864	780	785	788	rBV3	772	903	0.01%	0.003%
23	3.951	807	812	822	rVV7	1949	3531	0.05%	0.012%
24	4.018	822	833	848	rVB7	3611	8523	0.11%	0.029%
25	4.134	859	869	877	rVB3	1416	2306	0.03%	0.008%
26	4.215	880	894	908	rBV5	5862	14966	0.20%	0.051%
27	4.295	910	919	929	rVB7	2523	4324	0.06%	0.015%
28	4.353	933	937	938	rBV3	929	641	0.01%	0.002%
29	4.571	989	1005	1019	rVV5	27900	66800	0.88%	0.230%
30	4.665	1019	1034	1073	rVV	245717	639398	8.46%	2.198%
31	5.102	1150	1170	1188	rBV	394744	852984	11.29%	2.932%
32	5.211	1196	1204	1215	rVB5	5361	10517	0.14%	0.036%
33	5.324	1228	1239	1249	rVV6	1533	2936	0.04%	0.010%
34	5.423	1253	1270	1285	rBV3	42225	95619	1.27%	0.329%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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	5.600	1320	1325	1328	rBV2	523	537	0.01%	0.002%
36	5.758	1352	1374	1379	rBV2	815301	1990081	26.34%	6.840%
37	5.809	1381	1390	1418	rVB	3757250	7554748	100.00%	25.967%
38	6.279	1521	1536	1572	rVB	680659	1316462	17.43%	4.525%
39	6.562	1610	1624	1644	rBV4	12616	37299	0.49%	0.128%
40	6.719	1658	1673	1689	rBV	494911	952604	12.61%	3.274%
41	7.066	1777	1781	1784	rBV2	726	728	0.01%	0.003%
42	7.202	1812	1823	1833	rVB9	3639	7669	0.10%	0.026%
43	7.401	1879	1885	1886	rBV2	868	586	0.01%	0.002%
44	7.423	1886	1892	1901	rVB5	1745	2577	0.03%	0.009%
45	7.591	1930	1944	1960	rBV	266271	468307	6.20%	1.610%
46	7.722	1972	1985	1994	rVB7	2909	6128	0.08%	0.021%
47	7.777	1995	2002	2011	rBV8	3107	4668	0.06%	0.016%
48	7.922	2032	2047	2058	rBV	953139	1682381	22.27%	5.783%
49	7.992	2059	2069	2100	rVV	830836	1528161	20.23%	5.253%
50	8.121	2101	2109	2120	rVV	24920	45581	0.60%	0.157%
51	8.198	2122	2133	2152	rVB	187586	322924	4.27%	1.110%
52	8.292	2152	2162	2170	rBV	11926	18742	0.25%	0.064%
53	8.562	2242	2246	2252	rVB4	492	534	0.01%	0.002%
54	8.655	2261	2275	2308	rBV	744117	1345515	17.81%	4.625%
55	8.851	2331	2336	2339	rBV4	1059	1067	0.01%	0.004%
56	8.928	2356	2360	2363	rBV3	1026	1040	0.01%	0.004%
57	8.983	2375	2377	2385	rVB3	656	503	0.01%	0.002%
58	9.433	2503	2517	2552	rBV	960998	1684905	22.30%	5.791%
59	9.587	2552	2565	2586	rBV	630154	1044798	13.83%	3.591%
60	9.709	2595	2603	2624	rVB	114921	201996	2.67%	0.694%
61	9.848	2637	2646	2649	rBV6	5190	7701	0.10%	0.026%
62	9.880	2651	2656	2665	rVB6	8562	13677	0.18%	0.047%
63	9.960	2675	2681	2690	rVB5	5417	8215	0.11%	0.028%
64	10.028	2694	2702	2709	rVV4	5784	10921	0.14%	0.038%
65	10.066	2711	2714	2718	rVV4	6379	7183	0.10%	0.025%
66	10.115	2719	2729	2748	rVB	122553	201208	2.66%	0.692%
67	10.288	2777	2783	2795	rVB7	3219	4831	0.06%	0.017%
68	10.346	2795	2801	2806	rBV4	1842	2718	0.04%	0.009%
69	10.372	2806	2809	2810	rBV2	2130	1108	0.01%	0.004%
70	10.443	2823	2831	2839	rVV6	3578	5010	0.07%	0.017%
71	10.497	2839	2848	2857	rVV3	11426	17585	0.23%	0.060%

LSC Area Percent Report

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Sample : L2915-13 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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	10.661	2892	2899	2908	rBV4	3861	5434	0.07%	0.019%
73	10.771	2920	2933	2952	rVB	675066	1078597	14.28%	3.707%
74	10.918	2968	2979	2986	rBV2	12429	18924	0.25%	0.065%
75	10.986	2992	3000	3002	rBV3	8987	10833	0.14%	0.037%
76	11.095	3026	3034	3041	rBV4	3551	4752	0.06%	0.016%
77	11.304	3089	3099	3111	rBV3	19586	33421	0.44%	0.115%
78	11.414	3126	3133	3143	rVB9	2970	5109	0.07%	0.018%
79	11.478	3143	3153	3163	rBV2	27293	42206	0.56%	0.145%
80	11.735	3229	3233	3235	rBV3	957	794	0.01%	0.003%
81	11.822	3246	3260	3276	rBV	1038537	1641665	21.73%	5.643%
82	11.902	3277	3285	3295	rVB	23705	36012	0.48%	0.124%
83	12.102	3339	3347	3363	rVB4	12365	20500	0.27%	0.070%
84	12.205	3364	3379	3394	rBV	1025169	1654935	21.91%	5.688%
85	12.320	3406	3415	3424	rBV2	5492	8146	0.11%	0.028%
86	12.385	3432	3435	3438	rVB3	665	570	0.01%	0.002%
87	12.507	3468	3473	3480	rVB6	1280	1778	0.02%	0.006%
88	12.696	3527	3532	3542	rVB5	2535	3271	0.04%	0.011%
89	13.108	3654	3660	3664	rBV3	785	799	0.01%	0.003%
90	13.475	3766	3774	3782	rBV5	6582	8475	0.11%	0.029%
91	13.542	3790	3795	3803	rVB5	1853	2548	0.03%	0.009%
92	13.613	3811	3817	3820	rBV3	571	672	0.01%	0.002%
93	13.645	3820	3827	3836	rVV5	3935	5901	0.08%	0.020%
94	13.719	3848	3850	3855	rBV3	664	522	0.01%	0.002%
95	13.841	3885	3888	3891	rBV3	767	629	0.01%	0.002%
96	14.114	3962	3973	3985	rVB2	57832	95467	1.26%	0.328%
97	14.233	4003	4010	4021	rVB	7620	11342	0.15%	0.039%
98	15.259	4324	4329	4335	rBV6	3011	4484	0.06%	0.015%
99	15.455	4380	4390	4399	rBV6	5861	11459	0.15%	0.039%
100	15.886	4522	4524	4526	rBV2	957	616	0.01%	0.002%

Sum of corrected areas: 29093160

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
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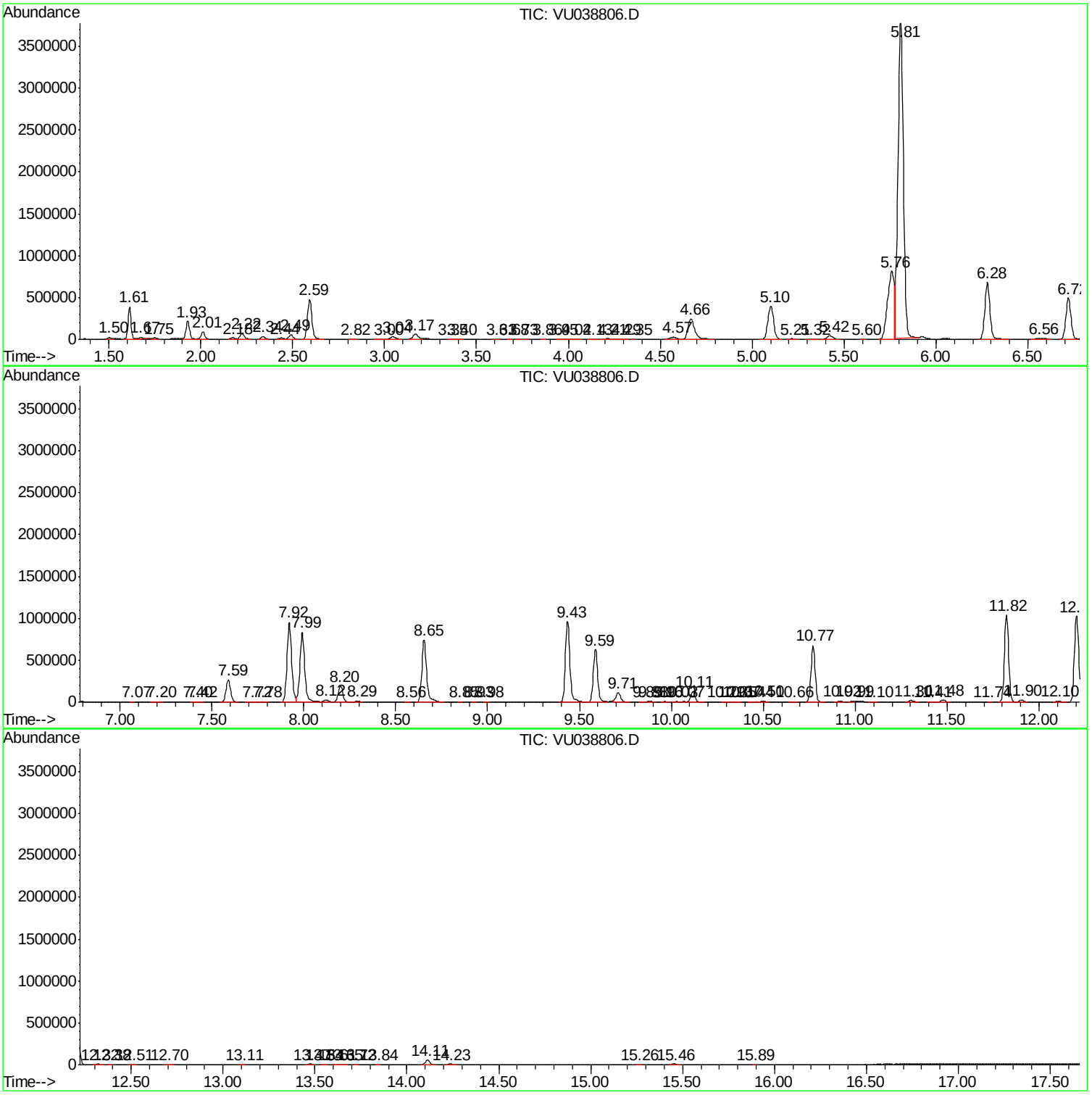
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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\
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Instrument : MSVOA_U
ClientSampleId : F9E21

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

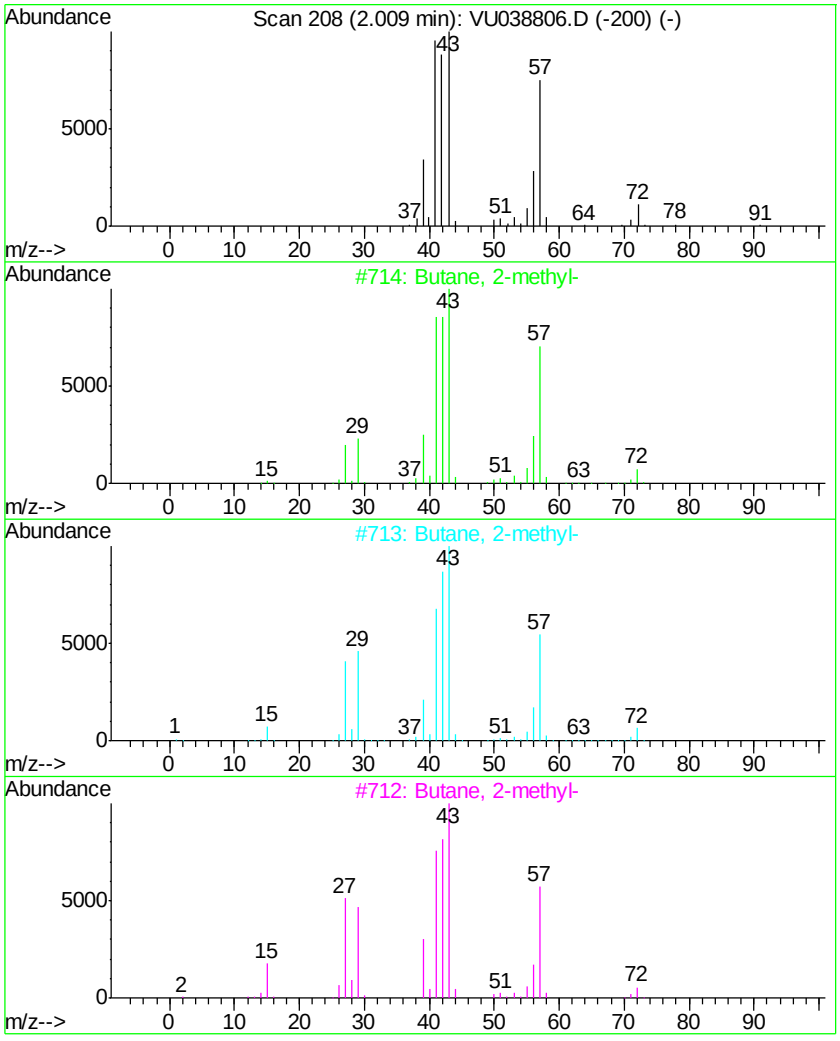
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

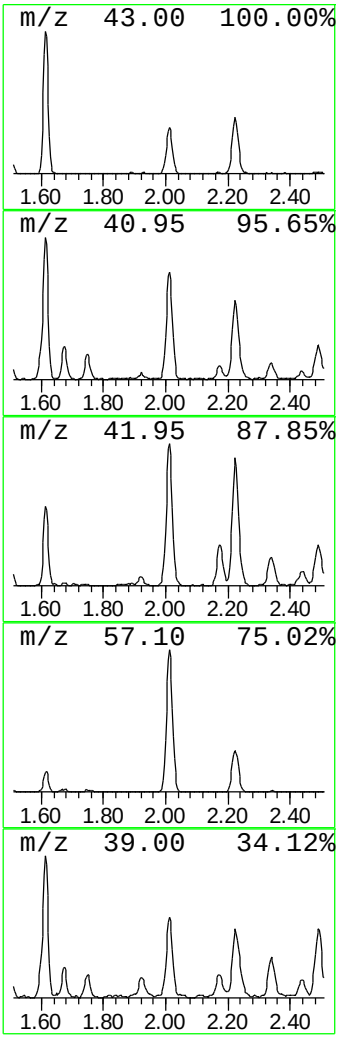
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	4.50 ug/L	118453	1,4-Difluorobenzene	6.28

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	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038806.D
Acq On : 11 Jun 2020 03:45
Operator : SY/MD
Sample : L2915-13 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

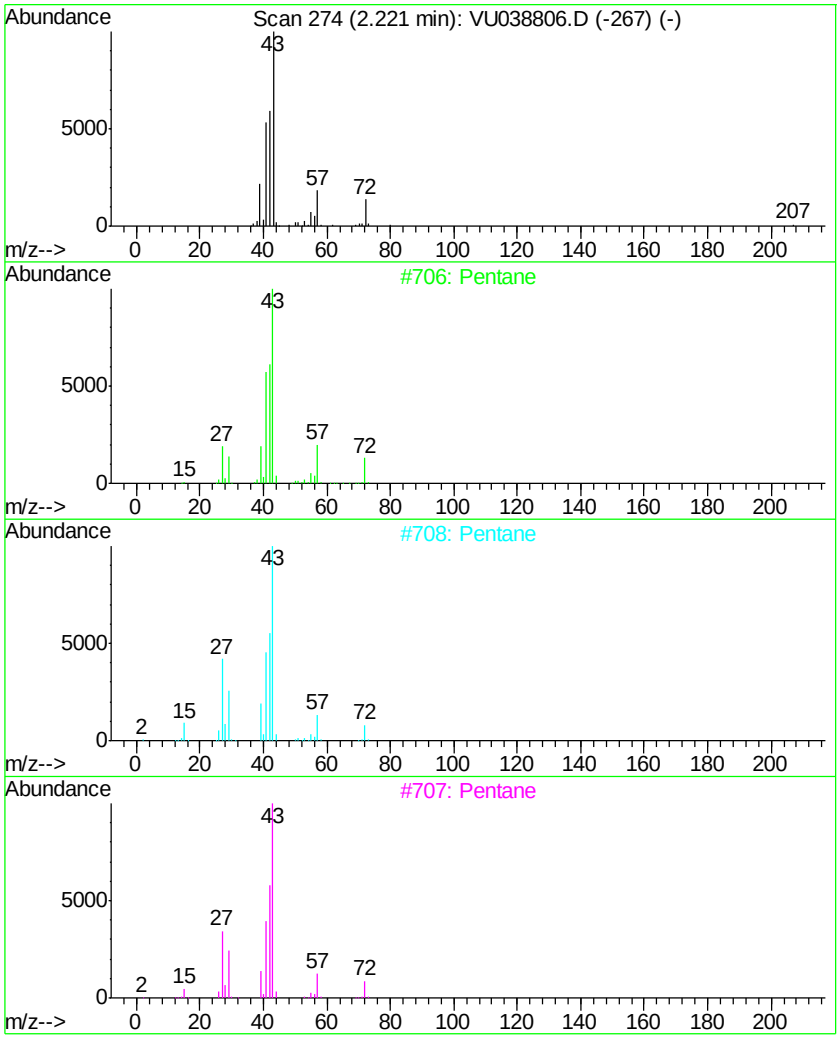
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

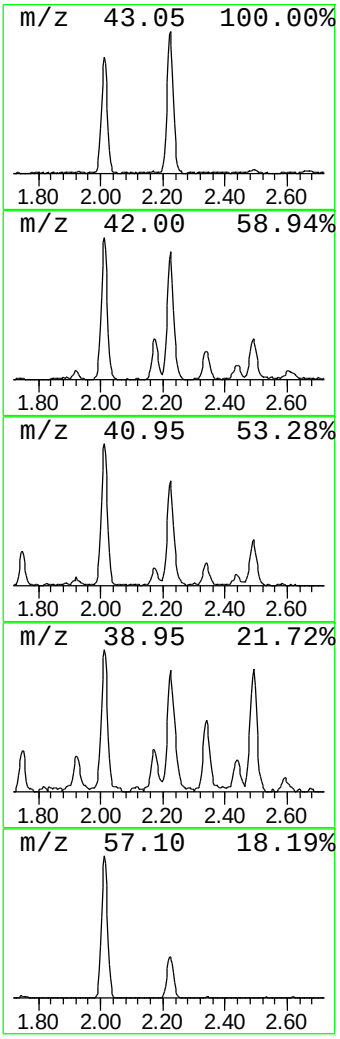
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	4.28 ug/L	112618	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	59
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	53





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Instrument : MSVOA_U
ClientSampleId : F9E21

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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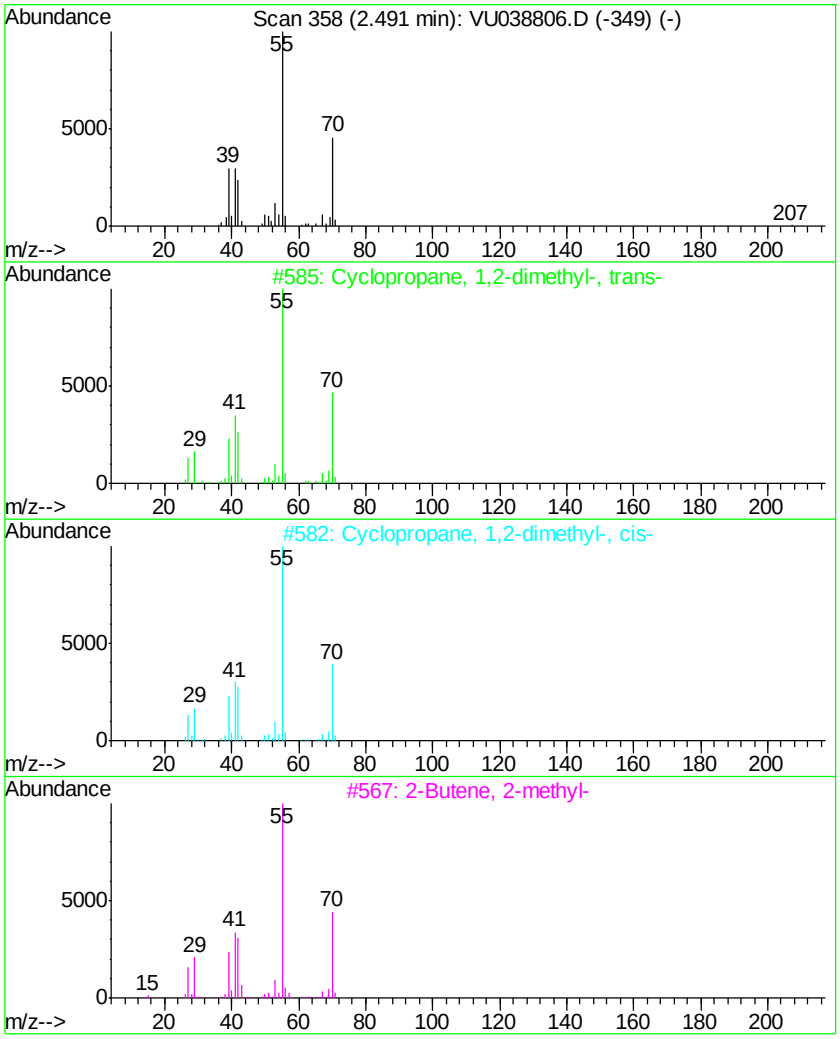
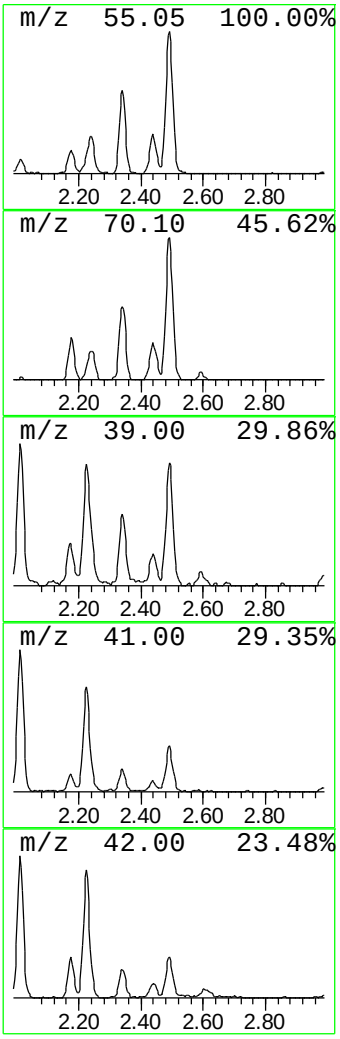
Peak Number 3 (DEL) Alkane: Cyclic2.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	3.14 ug/L	82692	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, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	2-Pentene, (E)-	70	C5H10	000646-04-8	86
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





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Data File : VU038806.D
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Operator : SY/MD
Sample : L2915-13 100X
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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

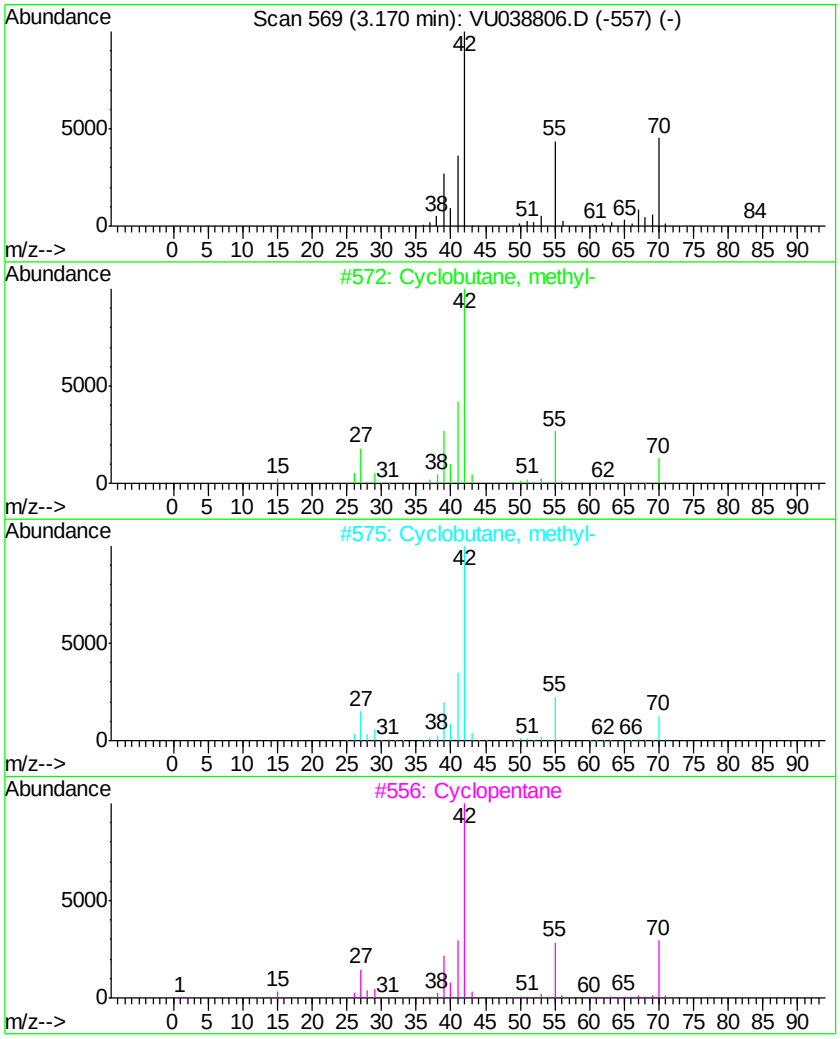
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

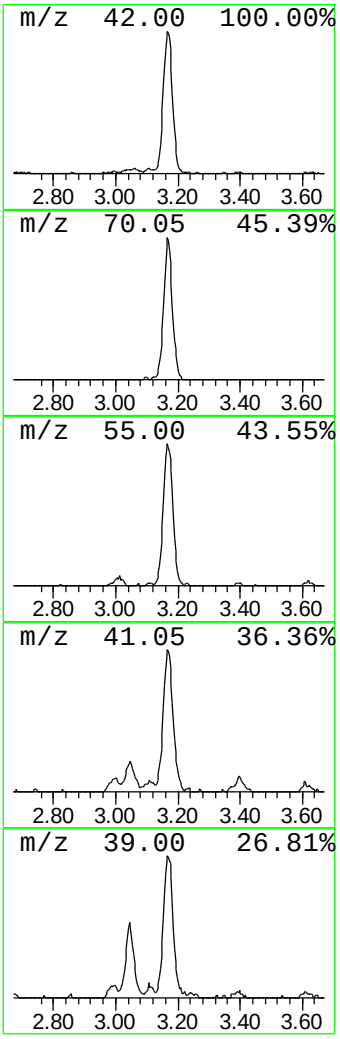
****

Peak Number 4 (DEL) Alkane: Cyclic3.17 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	4.78 ug/L	125758	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	72
3	Cyclopentane	70	C5H10	000287-92-3	72
4	1-Pentene	70	C5H10	000109-67-1	64
5	1-Pentene	70	C5H10	000109-67-1	59





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Data File : VU038806.D
Acq On : 11 Jun 2020 03:45
Operator : SY/MD
Sample : L2915-13 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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

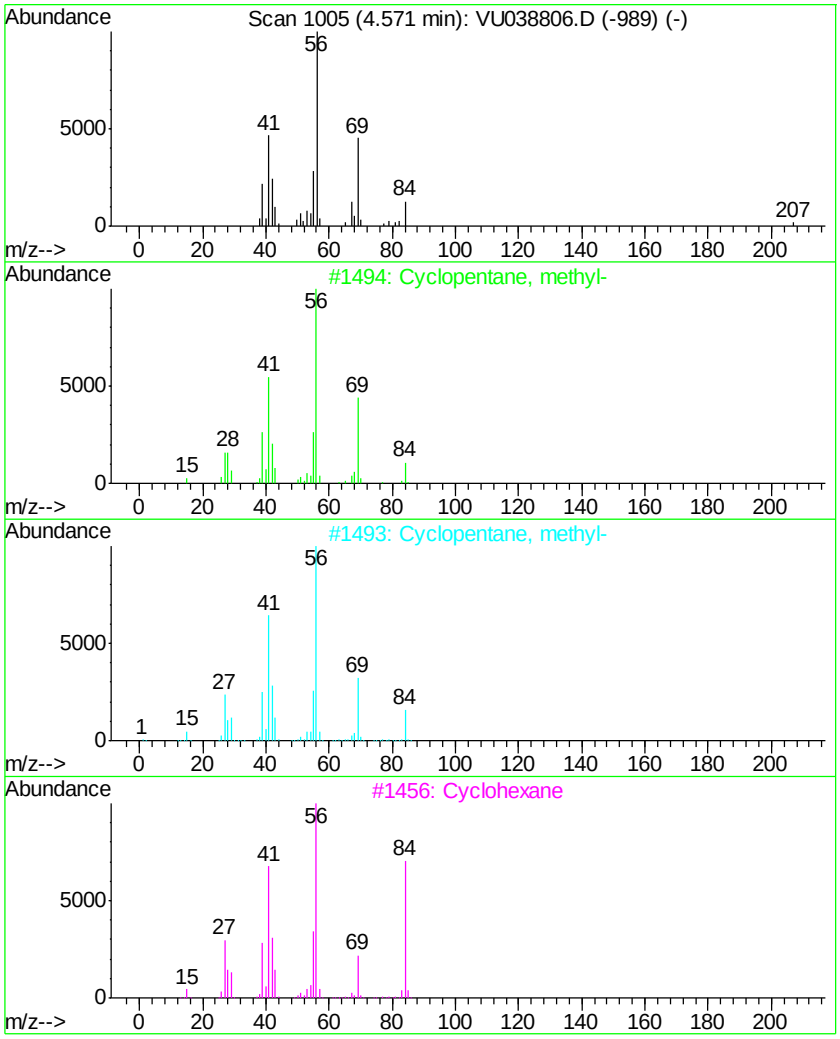
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

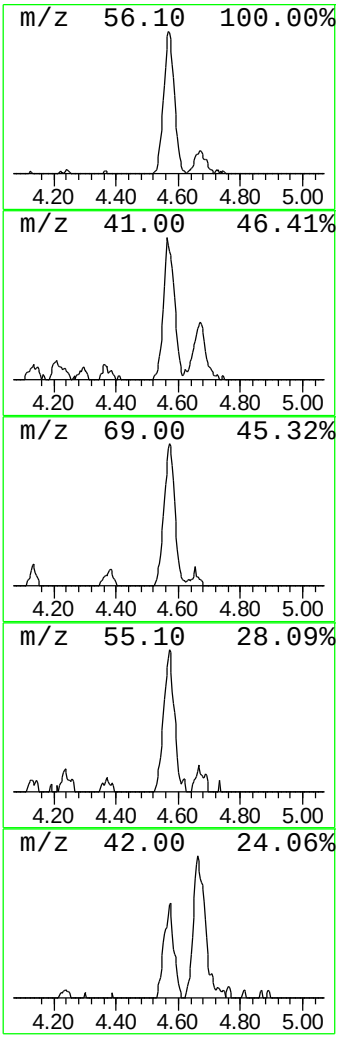
****

Peak Number 5 (DEL) Alkane: Cyclic4.57 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	2.54 ug/L	66800	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclohexane	84	C6H12	000110-82-7	72
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
5	Cyclohexane	84	C6H12	000110-82-7	64





Tentatively Identified Compound (LSC) summary

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Data File : VU038806.D
Acq On : 11 Jun 2020 03:45
Operator : SY/MD
Sample : L2915-13 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E21

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	4.5	ug/L	118453	1	6.28	1316460	50.0
(DEL) Alkane: Str...	2.22	4.3	ug/L	112618	1	6.28	1316460	50.0
(DEL) Alkane: Cyc...	2.49	3.1	ug/L	82692	1	6.28	1316460	50.0
(DEL) Alkane: Cyc...	3.17	4.8	ug/L	125758	1	6.28	1316460	50.0
(DEL) Alkane: Cyc...	4.57	2.5	ug/L	66800	1	6.28	1316460	50.0