LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

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_V\METHOD\SOMVLM060320WMA.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	1.222	37	41	54	rVB	49501	45899	3.90%	0.359%
2	1.315	61	70	80	rBV	331726	374125	31.77%	2.930%
3	1.425	99	104	112	rVB	25372	25685	2.18%	0.201%
4	1.631	162	168	178	rVB	55646	68679	5.83%	0.538%
5	1.769	205	211	218	rBV	36865	44872	3.81%	0.351%
6	1.907	249	254	269	rVB	31703	42567	3.62%	0.333%
7	2.032	287	293	304	rVB	39942	56154	4.77%	0.440%
8	2.119	310	320	333	rBV	264946	394345	33.49%	3.088%
9	2.386	400	403	404	rBV3	1907	849	0.07%	0.007%
10	2.489	428	435	445	rBV3	25530	41548	3.53%	0.325%
11	2.589	458	466	479	rBV	46573	80029	6.80%	0.627%
12	3.370	707	709	712	rBV4	1194	845	0.07%	0.007%
13	3.441	723	731	732	rBV7	5191	4695	0.40%	0.037%
14	3.585	773	776	777	rBV3	1188	703	0.06%	0.006%
15	3.650	794	796	800	rBV3	749	681	0.06%	0.005%
16	3.788	821	839	850	rBV3	17821	47888	4.07%	0.375%
17	3.897	863	873	902	rVV	111472	303037	25.74%	2.373%
18	4.251	981	983	986	rBV3	1330	935	0.08%	0.007%
19	4.315	1001	1003	1005	rBV2	1241	733	0.06%	0.006%
20	4.373	1007	1021	1043	rVV	228070	552378	46.91%	4.326%
21	4.560	1076	1079	1084	rBV8	1589	1612	0.14%	0.013%
22	4.614	1093	1096	1098	rVB3	1416	669	0.06%	0.005%
23	4.704	1110	1124	1138	rVV5	23807	64172	5.45%	0.503%
24	4.888	1177	1181	1185	rVB5	1567	1288	0.11%	0.010%
25	4.907	1185	1187	1189	rBV3	1299	649	0.06%	0.005%
26	4.962	1201	1204	1207	rBV5	1076	748	0.06%	0.006%
27	5.071	1221	1238	1242	rBV2	562055	1177448	100.00%	9.222%
28	5.576	1393	1395	1399	rBV4	1597	1010	0.09%	0.008%
29	5.640	1399	1415	1438	rBV	426975	846838	71.92%	6.632%
30	5.933	1497	1506	1512	rBV7	8770	15081	1.28%	0.118%
31	6.093	1543	1556	1580	rBV	313101	634185	53.86%	4.967%
32	6.431	1656	1661	1663	rVB4	1635	1341	0.11%	0.011%
33	6.454	1665	1668	1673	rVB5	2323	1892	0.16%	0.015%
34	6.479	1673	1676	1679	rBV5	1336	1034	0.09%	0.008%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

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_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

35	6.547	1693	1697	1701	rBV6	1615	1544	0.13%	0.012%
36	6.624	1718	1721	1722	rBV3	1159	632	0.05%	0.005%
37	6.888	1801	1803	1807	rBV4	1576	907	0.08%	0.007%
38	7.007	1830	1840	1860	rVV	163841	290766	24.69%	2.277%
39	7.286	1925	1927	1929	rBV3	1742	843	0.07%	0.007%
40	7.338	1931	1943	1956	rVV	654008	1111017	94.36%	8.701%
41	7.408	1956	1965	1989	rVB	357405	617334	52.43%	4.835%
42	7.640	2029	2037	2052	rVB	114989	190091	16.14%	1.489%
43	7.878	2108	2111	2115	rBV4	1672	1317	0.11%	0.010%
44	8.109	2171	2183	2210	rBV	374152	692499	58.81%	5.424%
45	8.495	2299	2303	2307	rBV7	1775	1650	0.14%	0.013%
46	8.643	2347	2349	2351	rBV3	1889	1099	0.09%	0.009%
47	8.730	2373	2376	2380	rVB6	1148	835	0.07%	0.007%
48	8.814	2399	2402	2403	rBV2	1368	781	0.07%	0.006%
49	8.875	2408	2421	2431	rBV	628828	1019305	86.57%	7.983%
50	9.032	2460	2470	2488	rBV	608562	938613	79.72%	7.351%
51	9.286	2541	2549	2556	rBV7	13159	22480	1.91%	0.176%
52	9.476	2601	2608	2615	rBV10	7605	13552	1.15%	0.106%
53	9.566	2628	2636	2655	rVB	116412	183458	15.58%	1.437%
54	9.711	2678	2681	2683	rBV4	1373	902	0.08%	0.007%
55	10.183	2826	2828	2831	rBV3	1814	1197	0.10%	0.009%
56	10.238	2833	2845	2860	rBV	414688	650885	55.28%	5.098%
57	10.379	2883	2889	2898	rBV2	8662	12213	1.04%	0.096%
58	10.685	2980	2984	2986	rBV5	1119	849	0.07%	0.007%
59	10.762	2998	3008	3015	rBV	16263	27560	2.34%	0.216%
60	10.939	3055	3063	3074	rVB2	15566	24428	2.07%	0.191%
61	11.170	3132	3135	3138	rBV5	1838	1353	0.11%	0.011%
62	11.270	3154	3166	3185	rBV	628597	967322	82.15%	7.576%
63	11.550	3246	3253	3265	rVB4	13709	21516	1.83%	0.169%
64	11.646	3272	3283	3300	rBV	662695	1030174	87.49%	8.068%
65	11.826	3336	3339	3341	rBV4	1614	879	0.07%	0.007%
66	11.868	3347	3352	3354	rBV5	1203	986	0.08%	0.008%
67	11.897	3359	3361	3364	rBV3	1486	957	0.08%	0.007%
68	12.141	3431	3437	3443	rBV10	3968	6061	0.51%	0.047%
69	12.395	3513	3516	3519	rBV4	2323	1904	0.16%	0.015%
70	12.444	3529	3531	3533	rBV2	1631	819	0.07%	0.006%
71	12.566	3567	3569	3573	rBV6	851	803	0.07%	0.006%

LSC Area Percent Report

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Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

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_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

72	12.649	3592	3595	3597	rBV3	1463	892	0.08%	0.007%
73	12.781	3633	3636	3638	rBV4	1191	642	0.05%	0.005%
74	12.794	3638	3640	3643	rVB3	1624	928	0.08%	0.007%
75	12.817	3643	3647	3649	rBV3	1646	1048	0.09%	0.008%
76	12.907	3668	3675	3683	rBV9	5299	7357	0.62%	0.058%
77	13.077	3720	3728	3738	rBV9	3306	6504	0.55%	0.051%
78	13.157	3749	3753	3759	rBV8	1608	2245	0.19%	0.018%
79	13.219	3770	3772	3776	rVB5	1438	768	0.07%	0.006%
80	13.238	3776	3778	3780	rVB3	1512	670	0.06%	0.005%
81	13.251	3780	3782	3784	rBV3	1440	826	0.07%	0.006%
82	13.280	3789	3791	3793	rBV3	1096	667	0.06%	0.005%
83	13.366	3813	3818	3820	rBV4	1172	1019	0.09%	0.008%
84	13.415	3831	3833	3836	rBV3	1331	821	0.07%	0.006%
85	13.527	3860	3868	3882	rVB	25000	40940	3.48%	0.321%
86	13.653	3897	3907	3913	rBV6	6076	10316	0.88%	0.081%
87	13.855	3968	3970	3976	rVB7	1262	815	0.07%	0.006%
88	13.887	3976	3980	3985	rBV7	1146	1076	0.09%	0.008%
89	14.138	4054	4058	4060	rBV4	1134	830	0.07%	0.007%
90	14.190	4071	4074	4076	rBV3	1579	836	0.07%	0.007%
91	14.212	4076	4081	4084	rVB4	1435	1264	0.11%	0.010%
92	14.235	4084	4088	4090	rBV4	1053	660	0.06%	0.005%
93	14.289	4100	4105	4110	rBV8	1345	1340	0.11%	0.010%
94	14.321	4113	4115	4119	rVB4	1182	799	0.07%	0.006%
95	14.376	4125	4132	4139	rBV4	1450	2327	0.20%	0.018%
96	14.411	4139	4143	4144	rBV3	1021	654	0.06%	0.005%
97	14.572	4190	4193	4196	rVB4	1454	934	0.08%	0.007%
98	14.852	4272	4280	4283	rBV9	3661	4935	0.42%	0.039%
99	15.122	4361	4364	4366	rBV3	1882	1168	0.10%	0.009%
100	15.353	4433	4436	4437	rBV3	1701	1036	0.09%	0.008%

Sum of corrected areas: 12768462

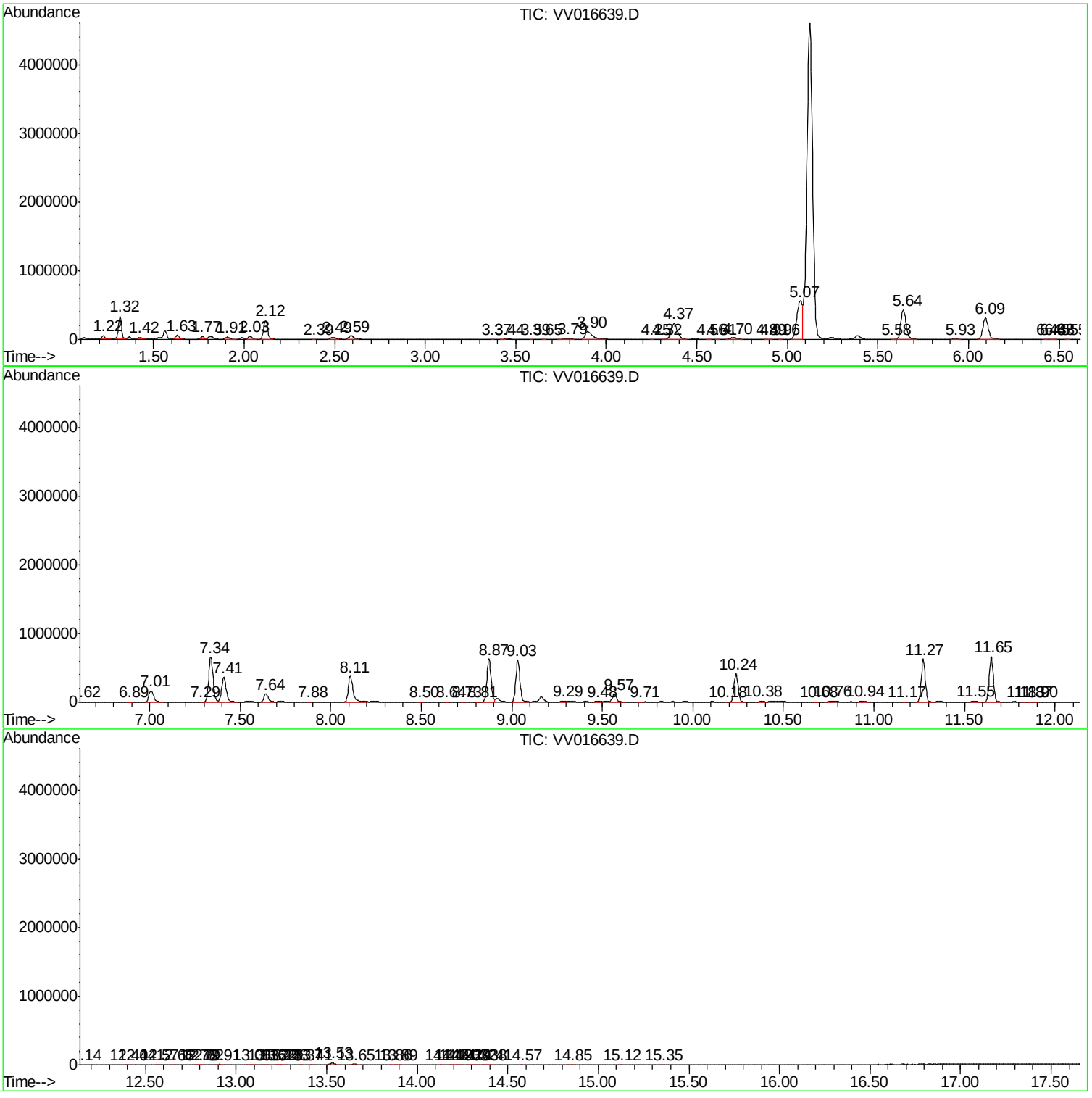
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

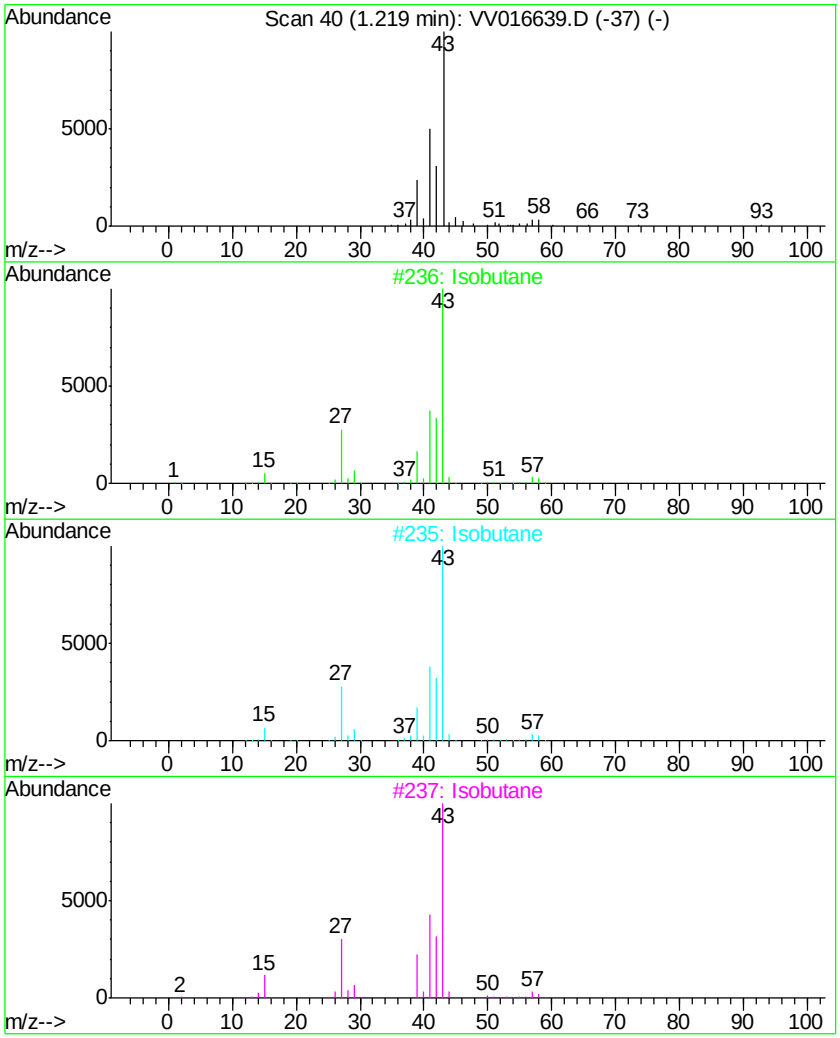
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

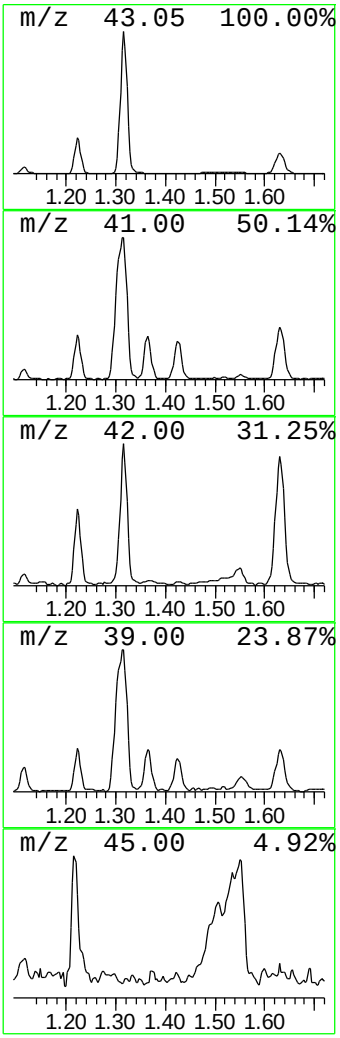
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	2.71 ug/L	45899	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	59
3	Isobutane	58	C4H10	000075-28-5	45
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	9
5	Isobutane	58	C4H10	000075-28-5	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

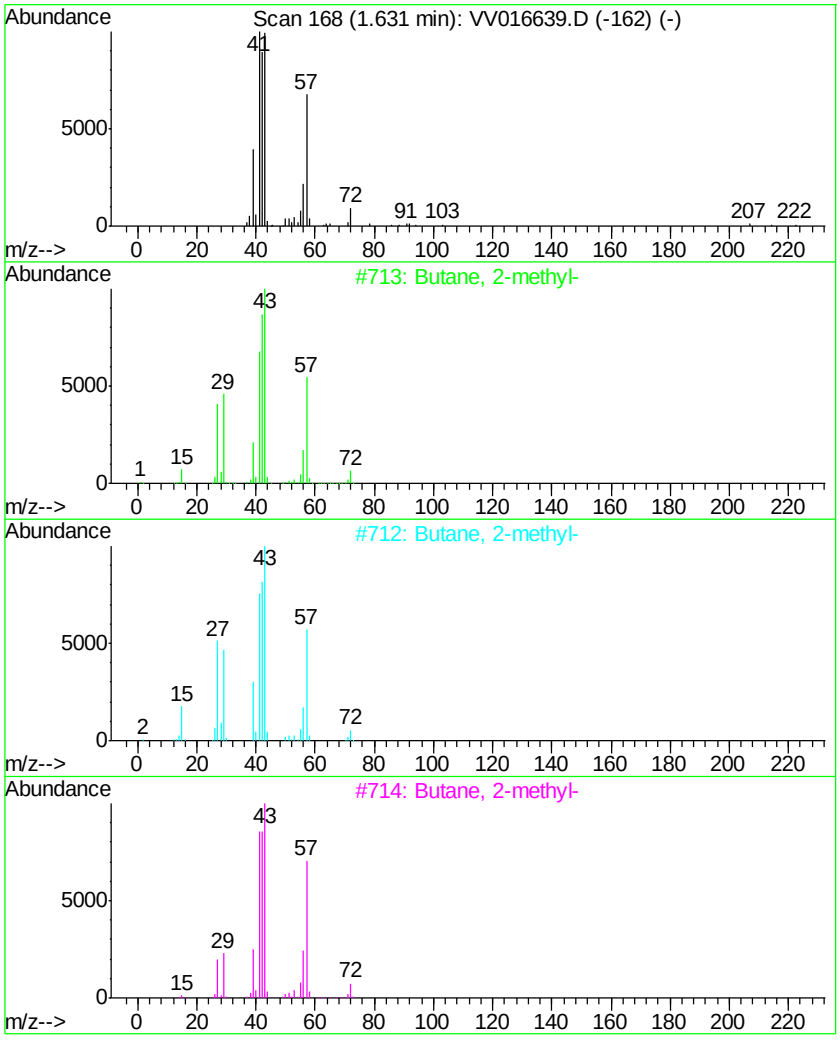
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

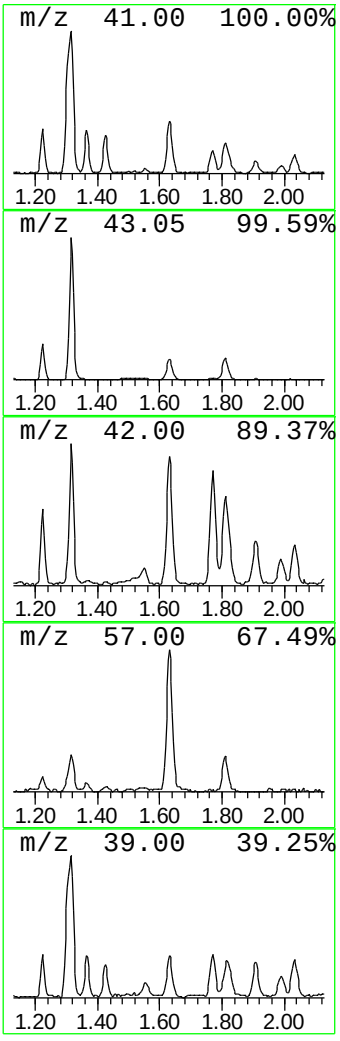
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.63	4.06 ug/L	68679	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	72
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	Butane, 2-methyl-	72	C5H12	000078-78-4	62
4	Pentane	72	C5H12	000109-66-0	36
5	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

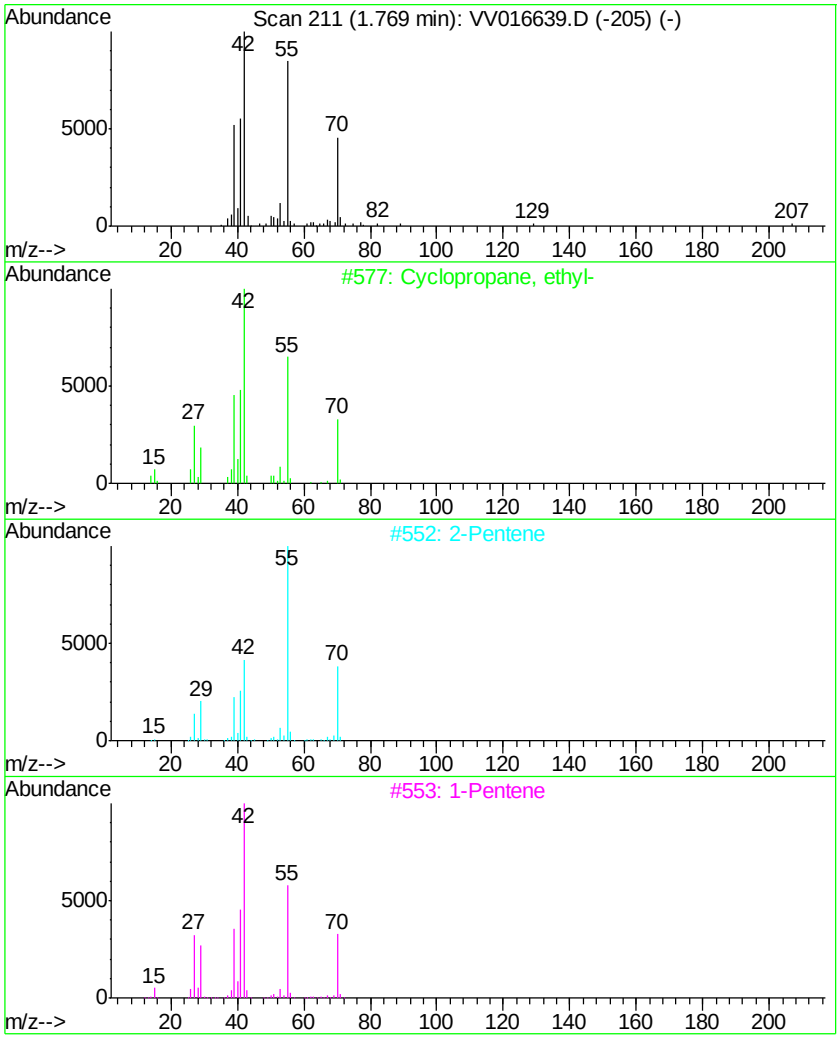
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

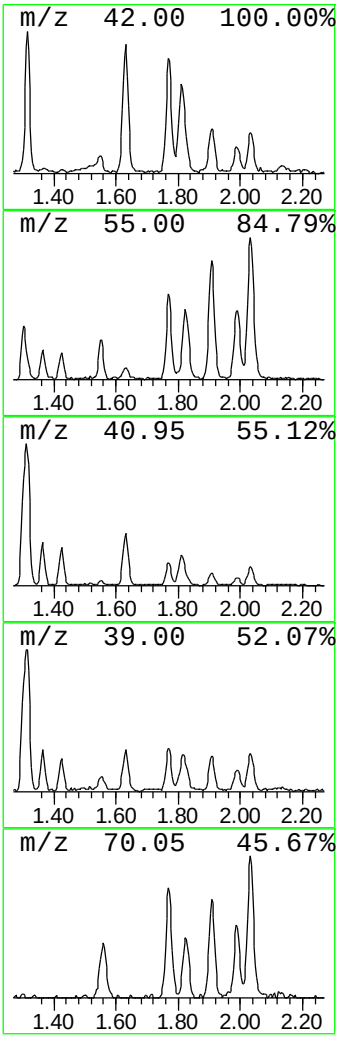
****

Peak Number 3 (DEL) Alkane: Cyclic1.77 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.77	2.65 ug/L	44872	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	90
2	2-Pentene	70	C5H10	000109-68-2	80
3	1-Pentene	70	C5H10	000109-67-1	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
5	1-Pentene	70	C5H10	000109-67-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

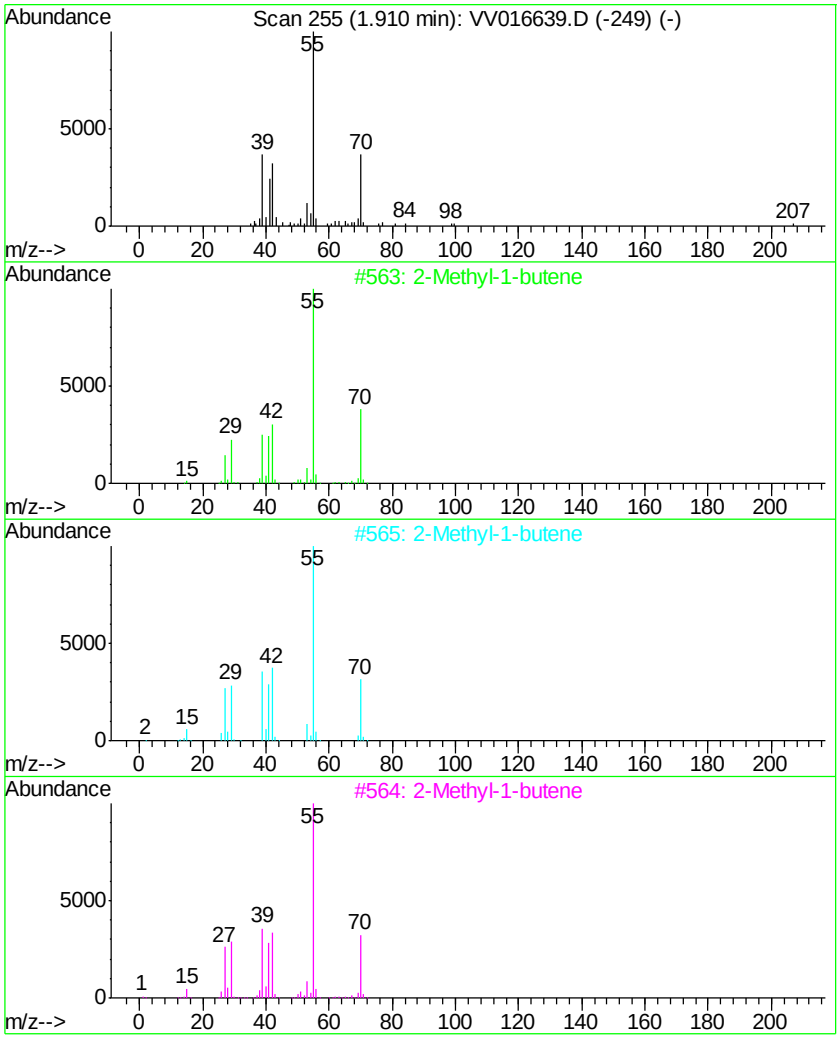
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

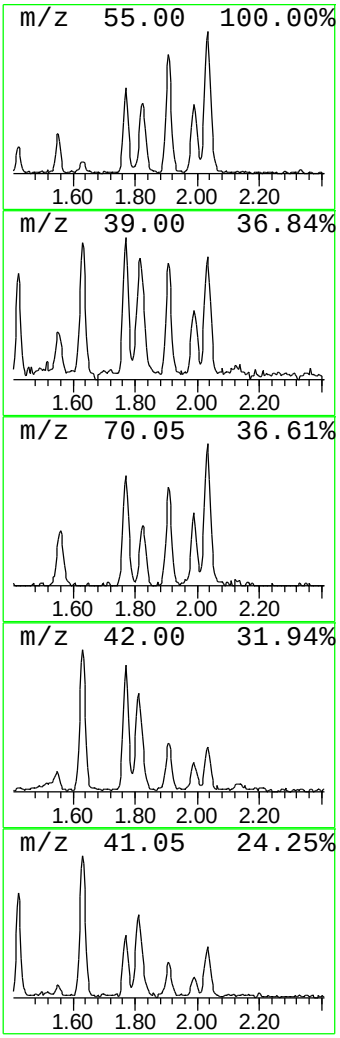
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.91	2.51 ug/L	42567	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	80
2	2-Methyl-1-butene	70	C5H10	000563-46-2	80
3	2-Methyl-1-butene	70	C5H10	000563-46-2	80
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	72
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

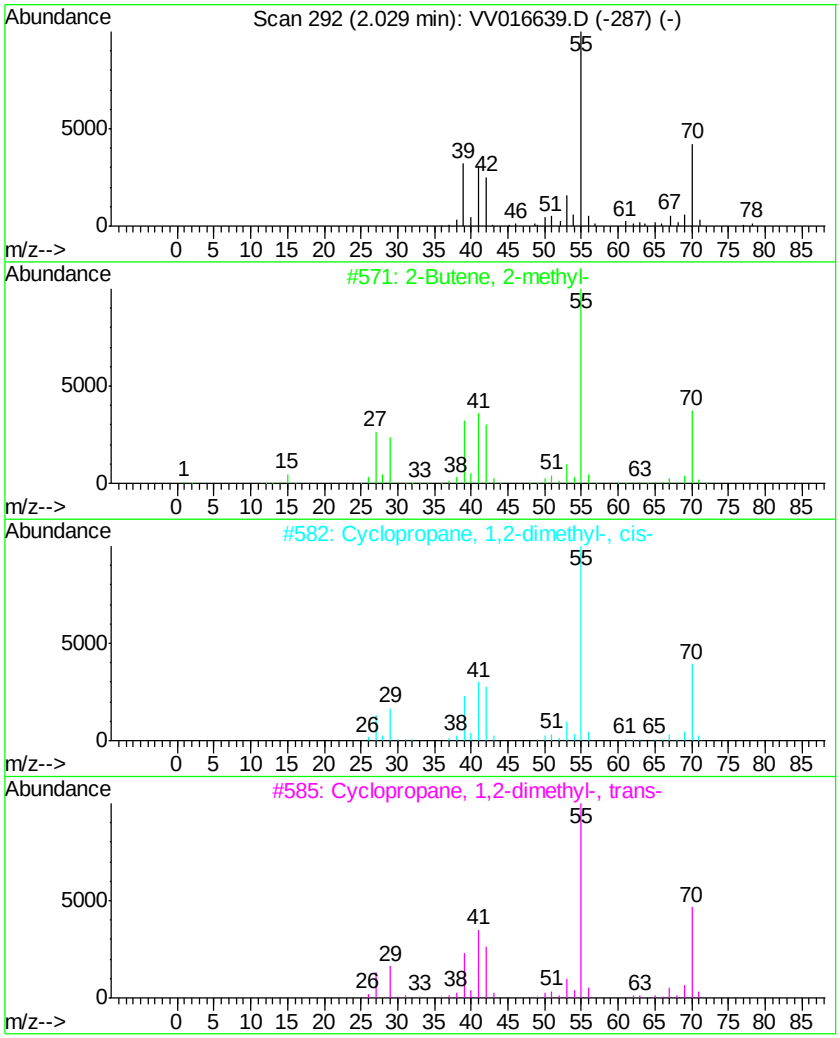
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

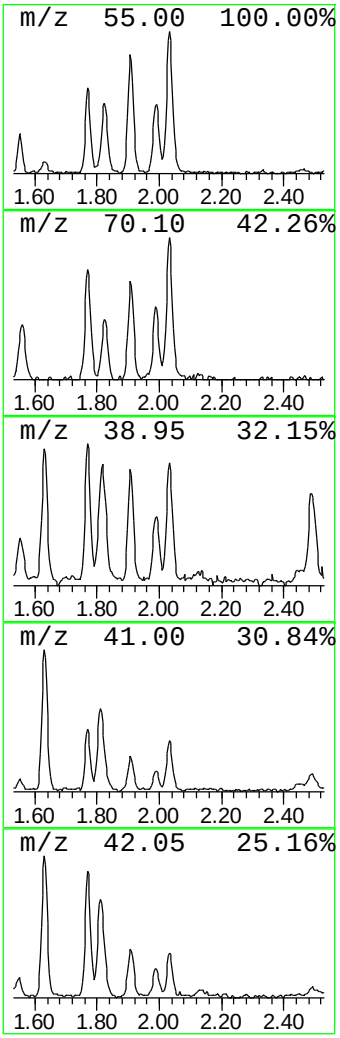
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.03	3.32 ug/L	56154	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
4	2-Pentene, (E)-	70	C5H10	000646-04-8	83
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

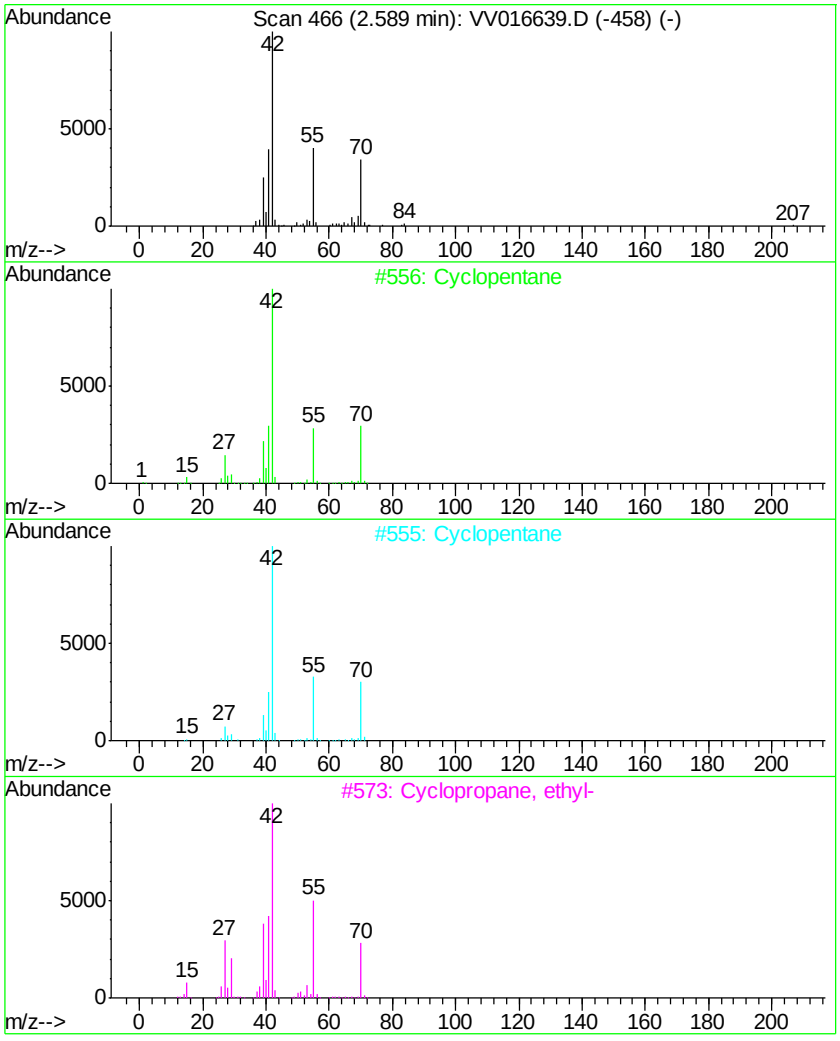
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

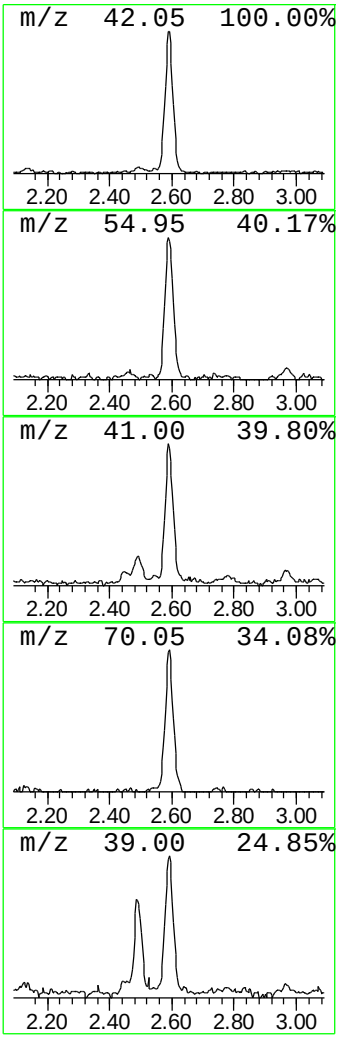
****

Peak Number 6 (DEL) Alkane: Cyclic2.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	4.73 ug/L	80029	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	Cyclopentane	70	C5H10	000287-92-3	72
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
4	1-Pentene	70	C5H10	000109-67-1	50
5	1-Pentene	70	C5H10	000109-67-1	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

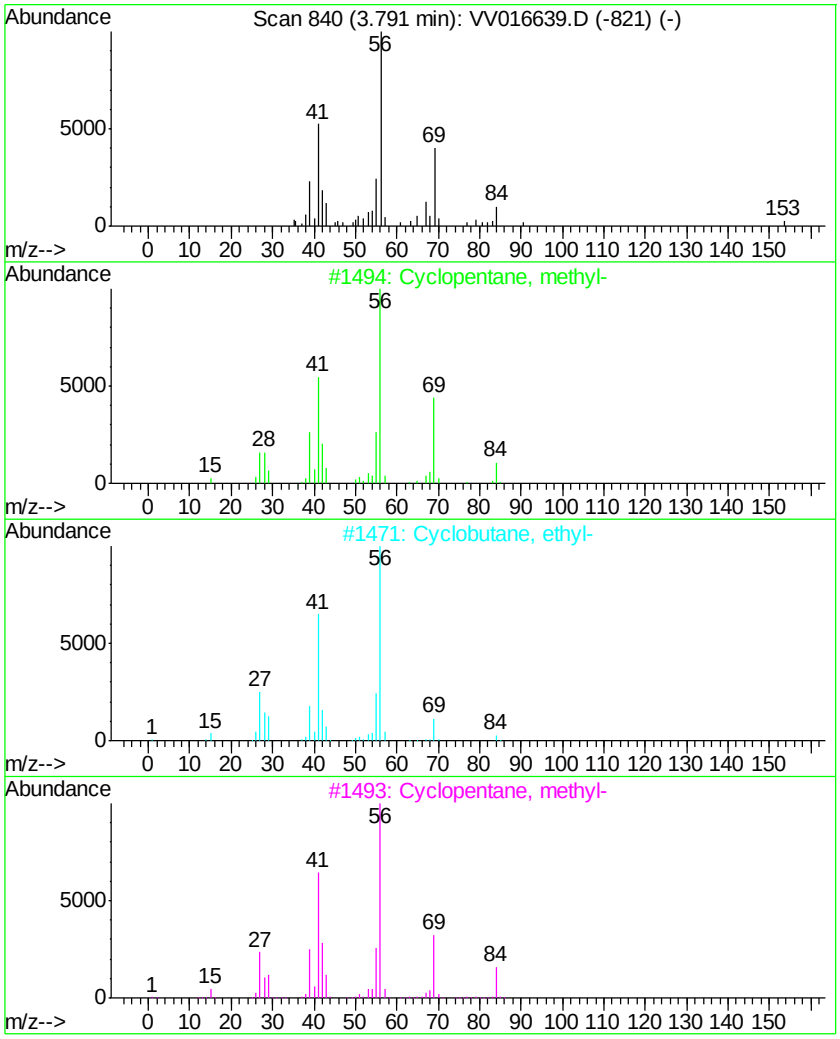
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

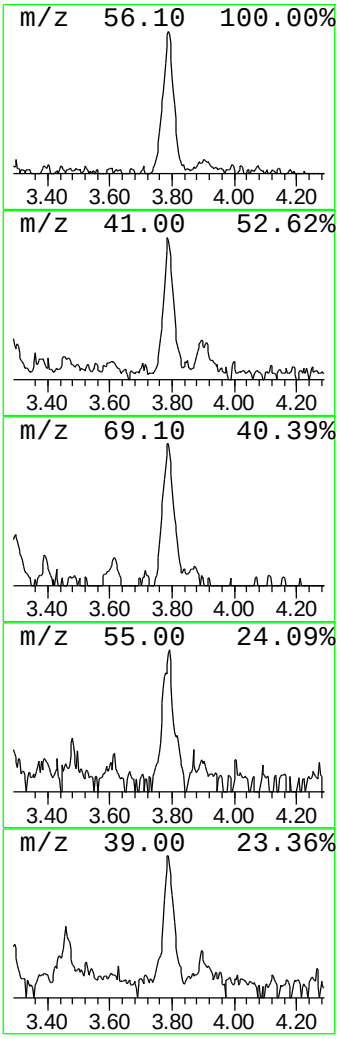
****

Peak Number 7 (DEL) Alkane: Cyclic3.79 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	2.83 ug/L	47888	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016639.D
Acq On : 07 Jun 2020 12:54
Operator : SY/MD
Sample : L2862-13DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E07DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.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...	1.22	2.7	ug/L	45899	1	5.64	846838	50.0
(DEL) Alkane: Str...	1.63	4.1	ug/L	68679	1	5.64	846838	50.0
(DEL) Alkane: Cyc...	1.77	2.6	ug/L	44872	1	5.64	846838	50.0
(DEL) Alkane: Str...	1.91	2.5	ug/L	42567	1	5.64	846838	50.0
(DEL) Alkane: Str...	2.03	3.3	ug/L	56154	1	5.64	846838	50.0
(DEL) Alkane: Cyc...	2.59	4.7	ug/L	80029	1	5.64	846838	50.0
(DEL) Alkane: Cyc...	3.79	2.8	ug/L	47888	1	5.64	846838	50.0