LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

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\SOMULM122018WMA.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	1.283	28	34	37	rBV	177898	164412	17.71%	1.284%
2	1.398	59	70	80	rBV2	786273	928551	100.00%	7.251%
3	1.450	80	86	99	rVB	174323	177443	19.11%	1.386%
4	1.514	99	106	114	rBV	90114	87260	9.40%	0.681%
5	1.669	143	154	168	rBV2	77488	115198	12.41%	0.900%
6	1.746	169	178	198	rVB	252384	339740	36.59%	2.653%
7	1.894	215	224	230	rBV	58582	77557	8.35%	0.606%
8	1.939	230	238	256	rVB3	338157	528898	56.96%	4.130%
9	2.042	260	270	285	rBV	152139	209156	22.52%	1.633%
10	2.132	289	298	304	rVV	48532	69343	7.47%	0.542%
11	2.177	304	312	329	rVV	156618	240332	25.88%	1.877%
12	2.267	329	340	367	rVB	128616	210339	22.65%	1.643%
13	2.630	441	453	457	rVV3	13493	24120	2.60%	0.188%
14	2.675	459	467	478	rVV	88056	170515	18.36%	1.332%
15	2.739	480	487	492	rVV2	37787	67066	7.22%	0.524%
16	2.787	493	502	534	rVV	112653	241677	26.03%	1.887%
17	2.990	545	565	582	rVB2	26915	57463	6.19%	0.449%
18	3.193	613	628	645	rVB4	19100	45635	4.91%	0.356%
19	3.299	646	661	684	rBV	48488	101326	10.91%	0.791%
20	3.424	687	700	710	rBV4	6817	14308	1.54%	0.112%
21	3.495	710	722	731	rBV4	14292	31949	3.44%	0.249%
22	3.553	733	740	759	rVB3	17402	35488	3.82%	0.277%
23	3.652	760	771	780	rBV6	5327	11843	1.28%	0.092%
24	3.726	783	794	809	rBV4	21405	55326	5.96%	0.432%
25	3.890	831	845	859	rVB4	7401	17716	1.91%	0.138%
26	4.090	887	907	923	rBV2	99524	269213	28.99%	2.102%
27	4.176	923	934	970	rVB	74585	195577	21.06%	1.527%
28	4.646	1064	1080	1100	rBV	103332	245316	26.42%	1.916%
29	4.775	1107	1120	1141	rVB2	53458	125659	13.53%	0.981%
30	4.993	1172	1188	1202	rBV2	69493	168780	18.18%	1.318%
31	5.218	1246	1258	1272	rBV6	9864	29321	3.16%	0.229%
32	5.337	1274	1295	1302	rBV2	220181	613130	66.03%	4.788%
33	5.620	1373	1383	1395	rBV3	16759	35883	3.86%	0.280%
34	5.781	1421	1433	1445	rBV2	19026	38822	4.18%	0.303%

LSC Area Percent Report

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Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

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\SOMULM122018WMA.M
Title : VOC Analysis

35	5.884	1452	1465	1478	rBV	219962	428580	46.16%	3.347%
36	6.221	1554	1570	1587	rBV4	10324	22578	2.43%	0.176%
37	6.328	1589	1603	1617	rBV2	152531	304763	32.82%	2.380%
38	6.411	1618	1629	1644	rVB2	56684	125626	13.53%	0.981%
39	6.639	1689	1700	1713	rVV4	10512	19643	2.12%	0.153%
40	6.739	1720	1731	1739	rVV4	2517	4750	0.51%	0.037%
41	6.836	1746	1761	1774	rBV8	10930	35764	3.85%	0.279%
42	6.903	1774	1782	1798	rVB7	7625	16313	1.76%	0.127%
43	7.067	1821	1833	1843	rBV	21633	39773	4.28%	0.311%
44	7.180	1860	1868	1872	rBV2	5678	7935	0.85%	0.062%
45	7.228	1873	1883	1900	rVB	87184	157440	16.96%	1.229%
46	7.344	1911	1919	1922	rBV5	2878	4175	0.45%	0.033%
47	7.427	1936	1945	1963	rVB	31877	57105	6.15%	0.446%
48	7.565	1967	1988	1999	rBV	293259	526646	56.72%	4.113%
49	7.636	2000	2010	2025	rVB	216837	373734	40.25%	2.919%
50	7.848	2060	2076	2088	rVV2	61125	114114	12.29%	0.891%
51	7.916	2090	2097	2112	rVB5	8672	15894	1.71%	0.124%
52	8.044	2128	2137	2144	rBV7	4333	7174	0.77%	0.056%
53	8.096	2144	2153	2163	rVB3	5640	10507	1.13%	0.082%
54	8.308	2205	2219	2239	rBV	251169	430121	46.32%	3.359%
55	8.546	2286	2293	2300	rVB2	5469	7634	0.82%	0.060%
56	8.758	2348	2359	2368	rVB6	4462	8388	0.90%	0.066%
57	8.909	2399	2406	2414	rVB6	3323	5256	0.57%	0.041%
58	9.028	2432	2443	2450	rBV5	4448	7185	0.77%	0.056%
59	9.089	2450	2462	2484	rBV	316523	530645	57.15%	4.144%
60	9.250	2501	2512	2533	rVV	229950	373732	40.25%	2.919%
61	9.372	2537	2550	2565	rVV	450441	753955	81.20%	5.888%
62	9.443	2568	2572	2582	rVB2	13538	17404	1.87%	0.136%
63	9.546	2596	2604	2616	rBV2	2420	5728	0.62%	0.045%
64	9.716	2647	2657	2665	rVV5	3419	6181	0.67%	0.048%
65	9.778	2665	2676	2698	rVB	102514	168690	18.17%	1.317%
66	9.954	2715	2731	2740	rBV5	5103	10392	1.12%	0.081%
67	10.051	2745	2761	2768	rBV8	4098	9173	0.99%	0.072%
68	10.167	2788	2797	2806	rBV	11611	16764	1.81%	0.131%
69	10.321	2832	2845	2851	rBV8	3054	5981	0.64%	0.047%
70	10.430	2868	2879	2894	rBV	223110	360884	38.87%	2.818%
71	10.588	2917	2928	2943	rBV	21259	34171	3.68%	0.267%

LSC Area Percent Report

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Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

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\SOMULM122018WMA.M
Title : VOC Analysis

72	10.681	2947	2957	2961	rBV	57931	88888	9.57%	0.694%
73	10.771	2975	2985	2993	rBV	38098	60413	6.51%	0.472%
74	10.813	2994	2998	3009	rVB2	12049	15921	1.71%	0.124%
75	10.970	3037	3047	3061	rVB	45251	70261	7.57%	0.549%
76	11.147	3084	3102	3116	rBV	147011	226162	24.36%	1.766%
77	11.337	3152	3161	3171	rVB8	2976	5297	0.57%	0.041%
78	11.482	3195	3206	3224	rBV	312776	487448	52.50%	3.807%
79	11.572	3224	3234	3243	rVV	56648	85115	9.17%	0.665%
80	11.765	3283	3294	3304	rBV	66915	110381	11.89%	0.862%
81	11.861	3313	3324	3342	rVB	297612	491149	52.89%	3.835%
82	11.980	3351	3361	3368	rBV2	14588	21603	2.33%	0.169%
83	12.025	3369	3375	3381	rVB3	8617	10611	1.14%	0.083%
84	12.147	3404	3413	3418	rBV4	6792	11207	1.21%	0.088%
85	12.176	3419	3422	3431	rVB2	8311	8925	0.96%	0.070%
86	12.250	3433	3445	3452	rBV	13175	20111	2.17%	0.157%
87	12.353	3467	3477	3499	rBV3	22181	39004	4.20%	0.305%
88	12.549	3530	3538	3548	rVB3	4306	6273	0.68%	0.049%
89	12.649	3563	3569	3578	rVB4	5273	7430	0.80%	0.058%
90	12.700	3578	3585	3596	rBV2	11121	15888	1.71%	0.124%
91	12.964	3659	3667	3675	rVV	10667	15094	1.63%	0.118%
92	13.121	3700	3716	3729	rBV3	43650	73812	7.95%	0.576%
93	13.189	3733	3737	3745	rVB6	2813	3847	0.41%	0.030%
94	13.292	3759	3769	3781	rBV4	9830	16505	1.78%	0.129%
95	13.459	3813	3821	3830	rVB3	4152	6215	0.67%	0.049%
96	13.742	3898	3909	3927	rVV	54681	92914	10.01%	0.726%
97	14.144	4027	4034	4048	rBV7	3421	6170	0.66%	0.048%
98	14.334	4085	4093	4104	rBV8	3076	5650	0.61%	0.044%
99	14.883	4255	4264	4278	rBV3	8429	16659	1.79%	0.130%
100	15.067	4312	4321	4338	rVV2	7999	17475	1.88%	0.136%

Sum of corrected areas: 12805588

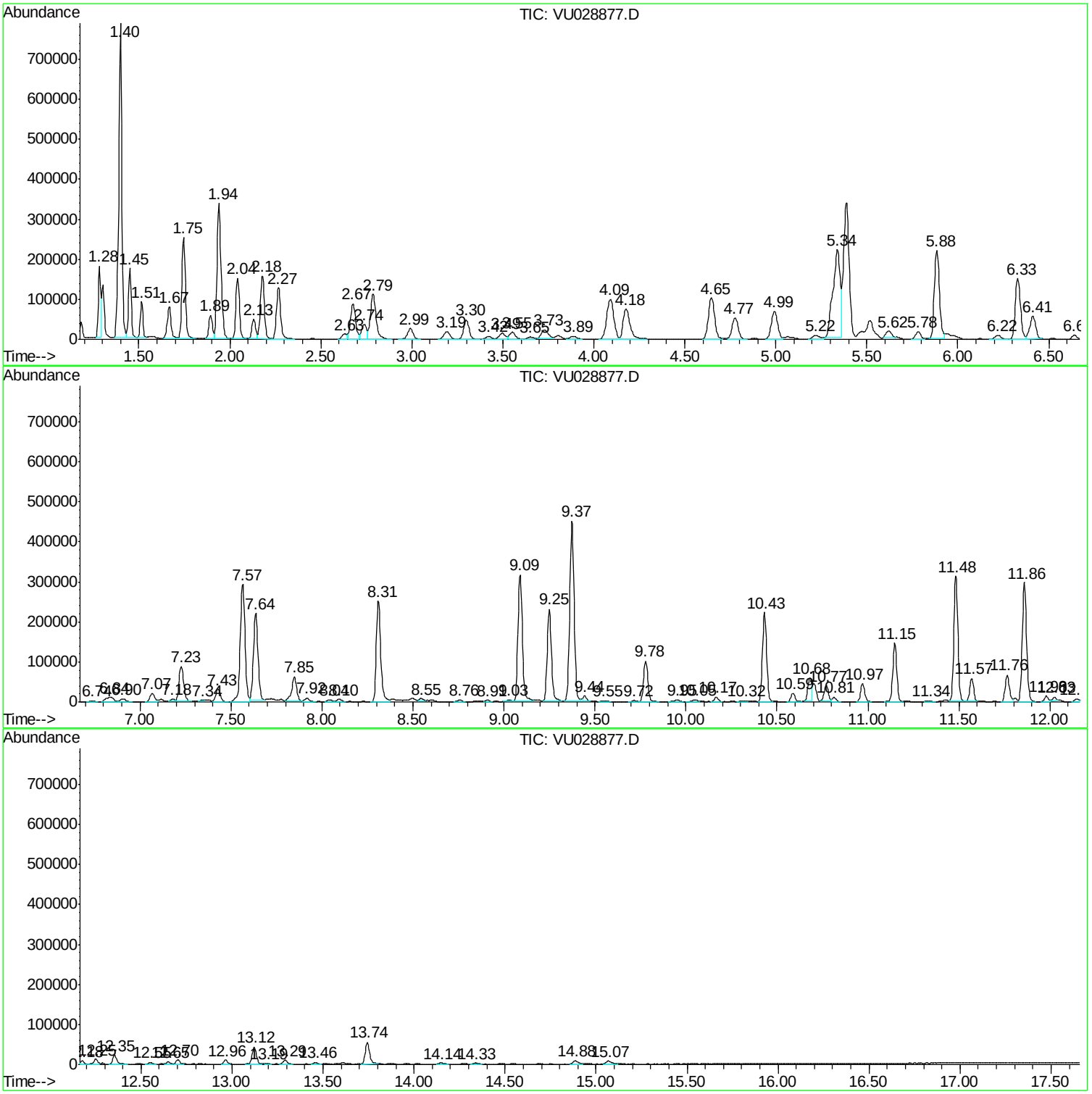
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

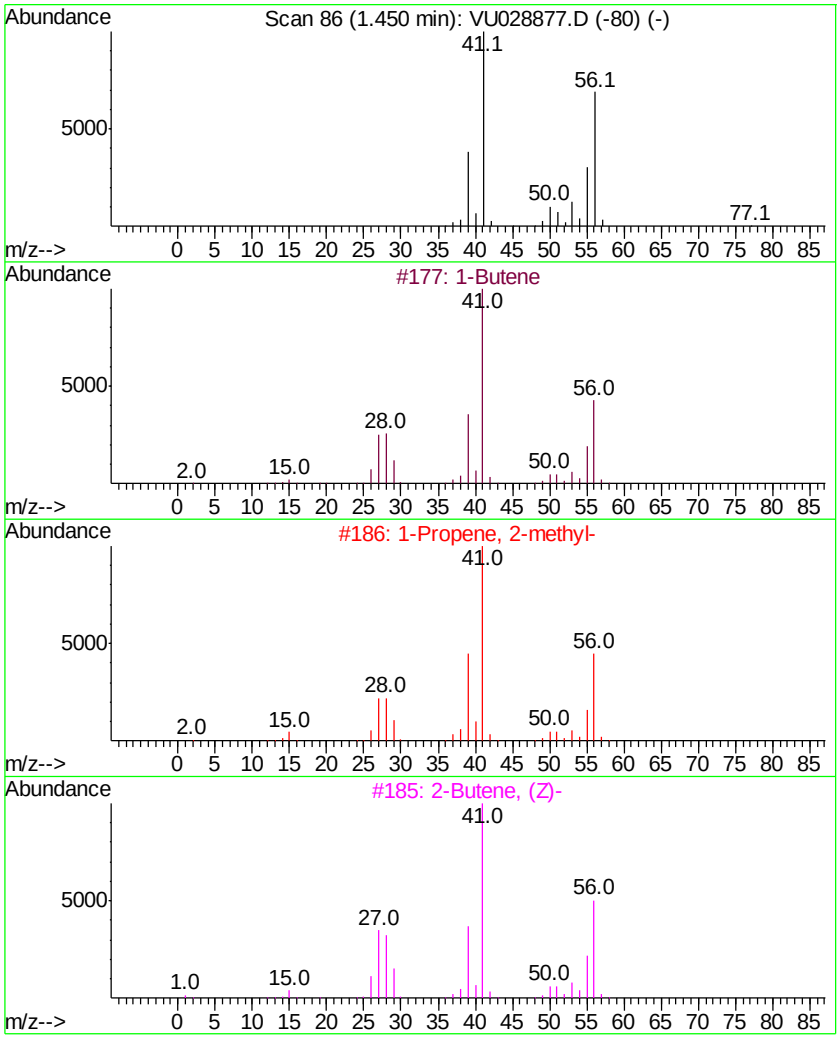
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

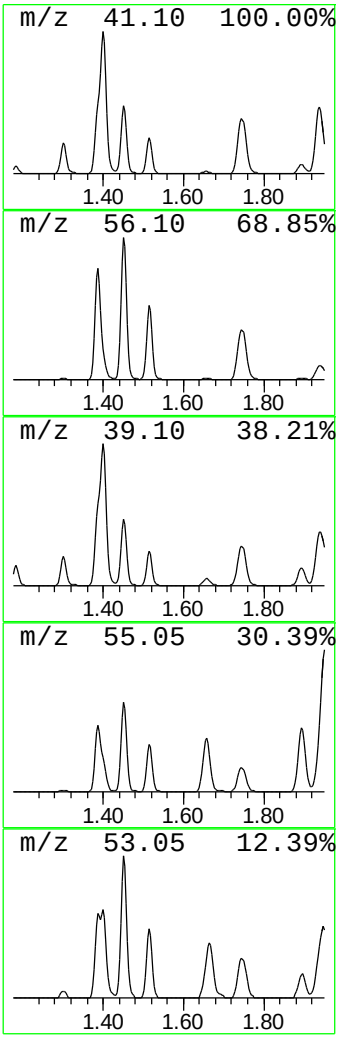
****

Peak Number 2 (DEL) Alkane: Cyclic1.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.45	20.70 ug/L	177443	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	2-Butene, (Z)-	56	C4H8	000590-18-1	74
4	2-Butene, (E)-	56	C4H8	000624-64-6	74
5	2-Butene, (E)-	56	C4H8	000624-64-6	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

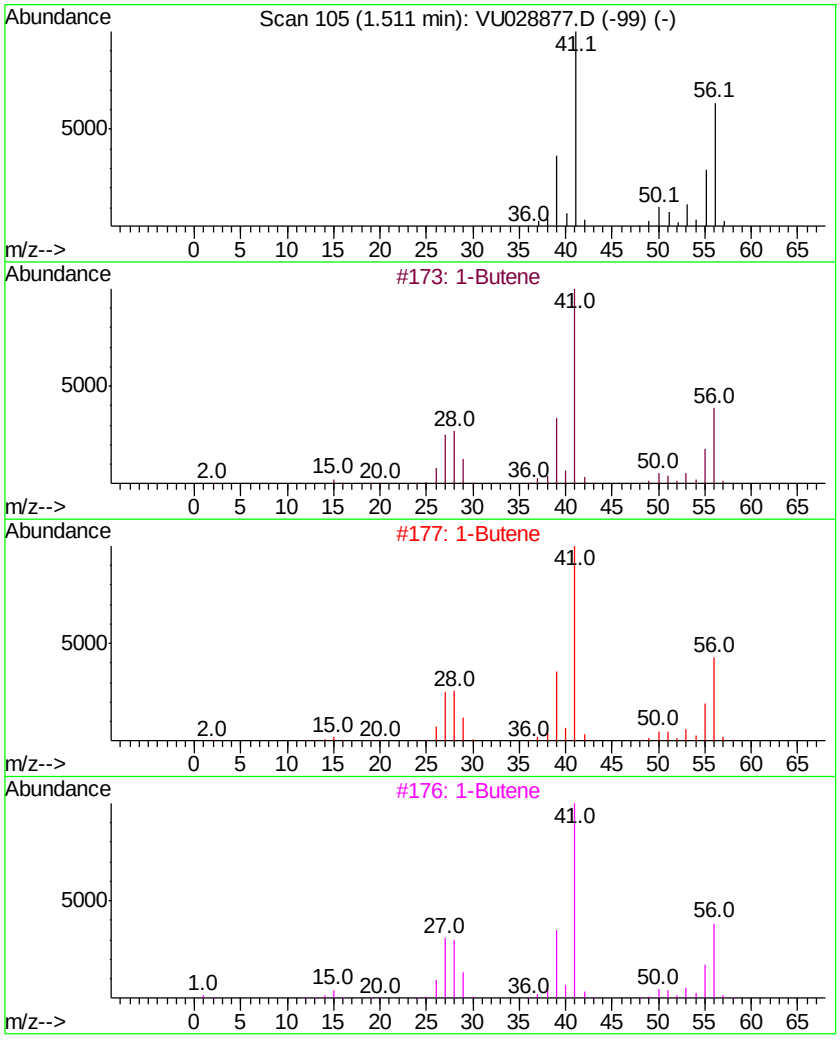
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

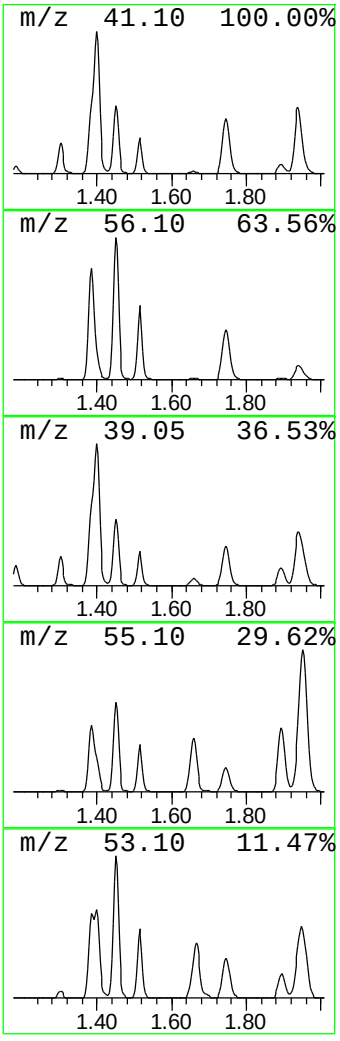
****

Peak Number 3 (DEL) Alkane: Cyclic1.51 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.51	10.18 ug/L	87260	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	81
2	1-Butene	56	C4H8	000106-98-9	81
3	1-Butene	56	C4H8	000106-98-9	74
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	74
5	2-Butene, (Z)-	56	C4H8	000590-18-1	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

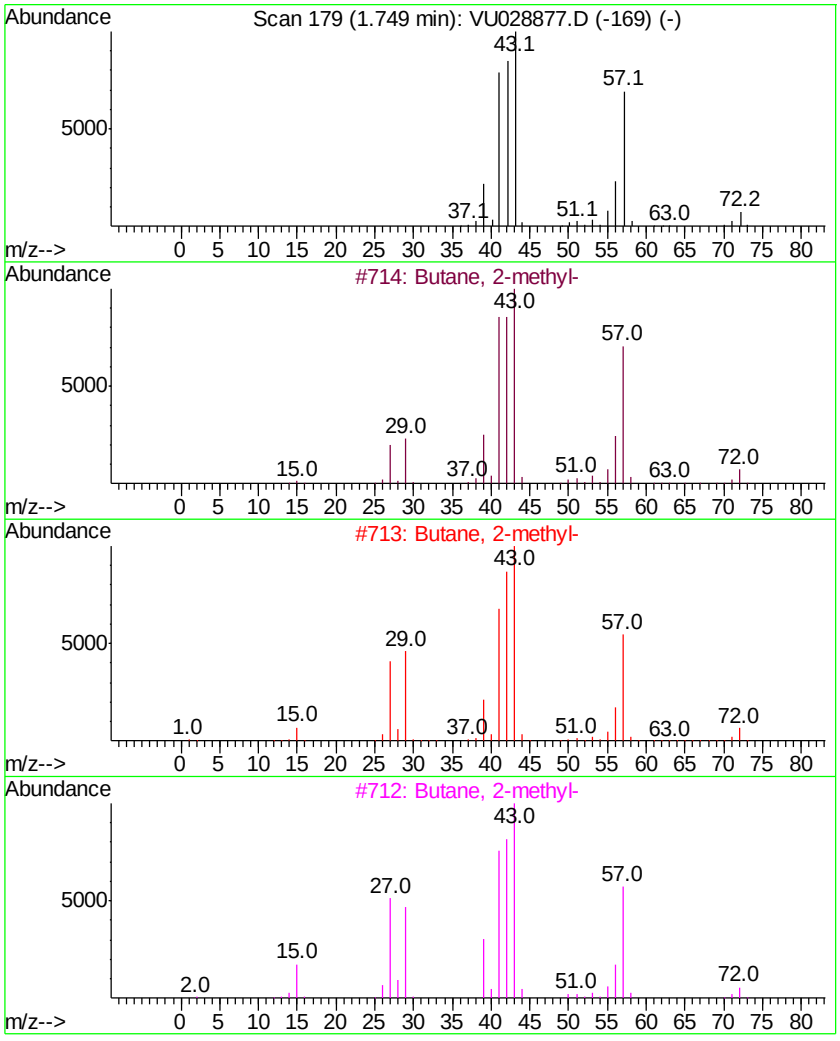
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

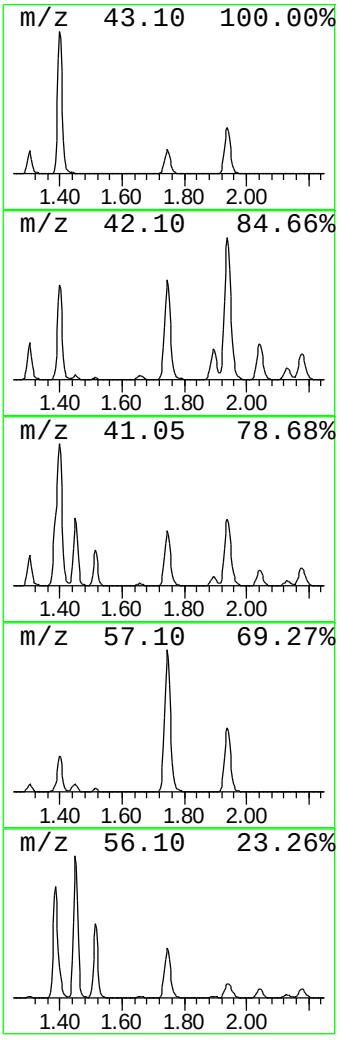
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	39.64 ug/L	339740	1,4-Difluorobenzene	5.88

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	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

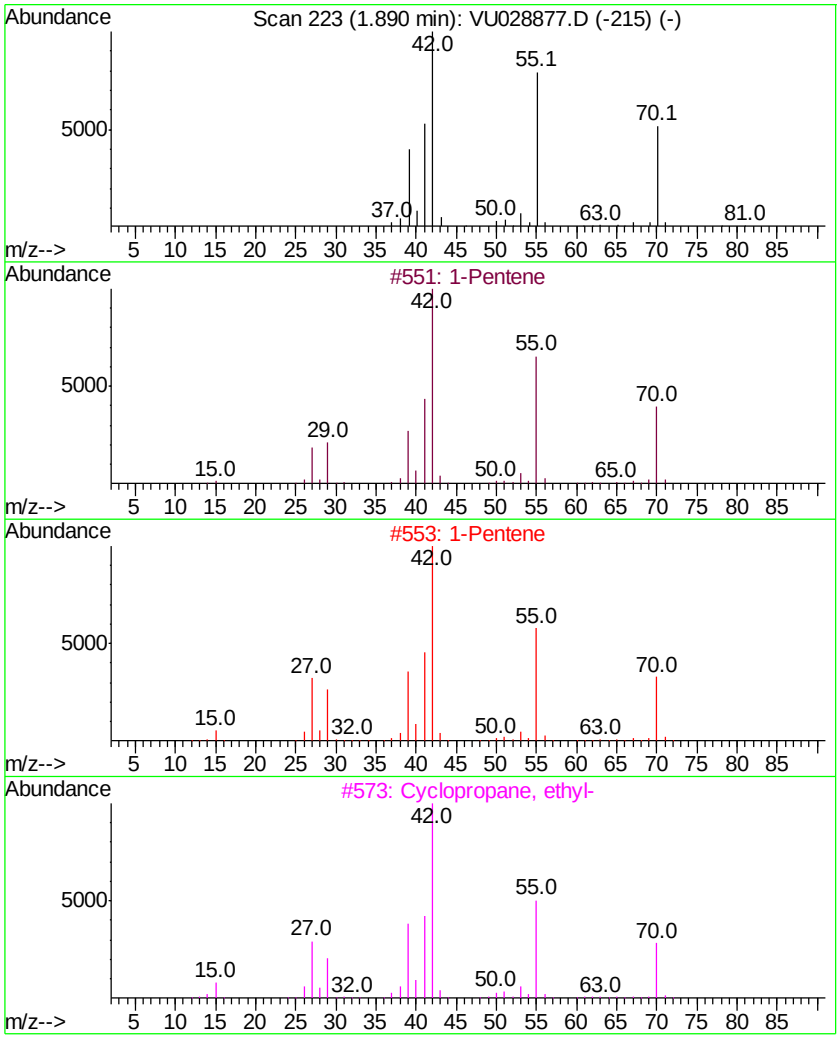
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

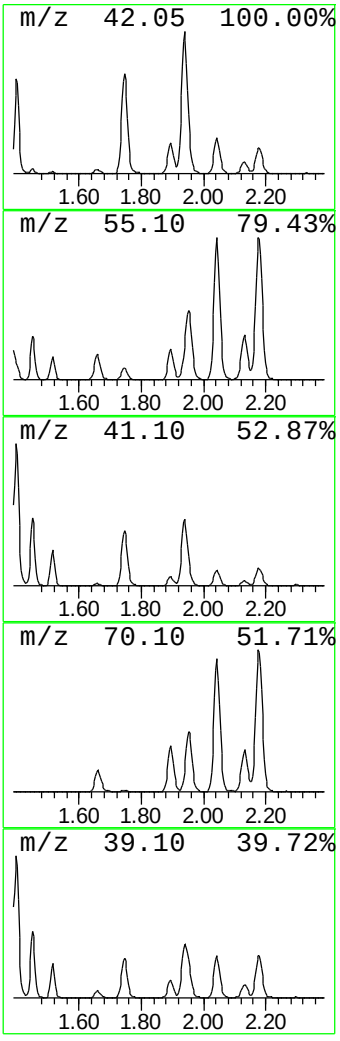
****

Peak Number 5 (DEL) Alkane: Cyclic1.89 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.89	9.05 ug/L	77557	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	91
2	1-Pentene	70	C5H10	000109-67-1	68
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	58
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	53
5	Cyclopentane	70	C5H10	000287-92-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

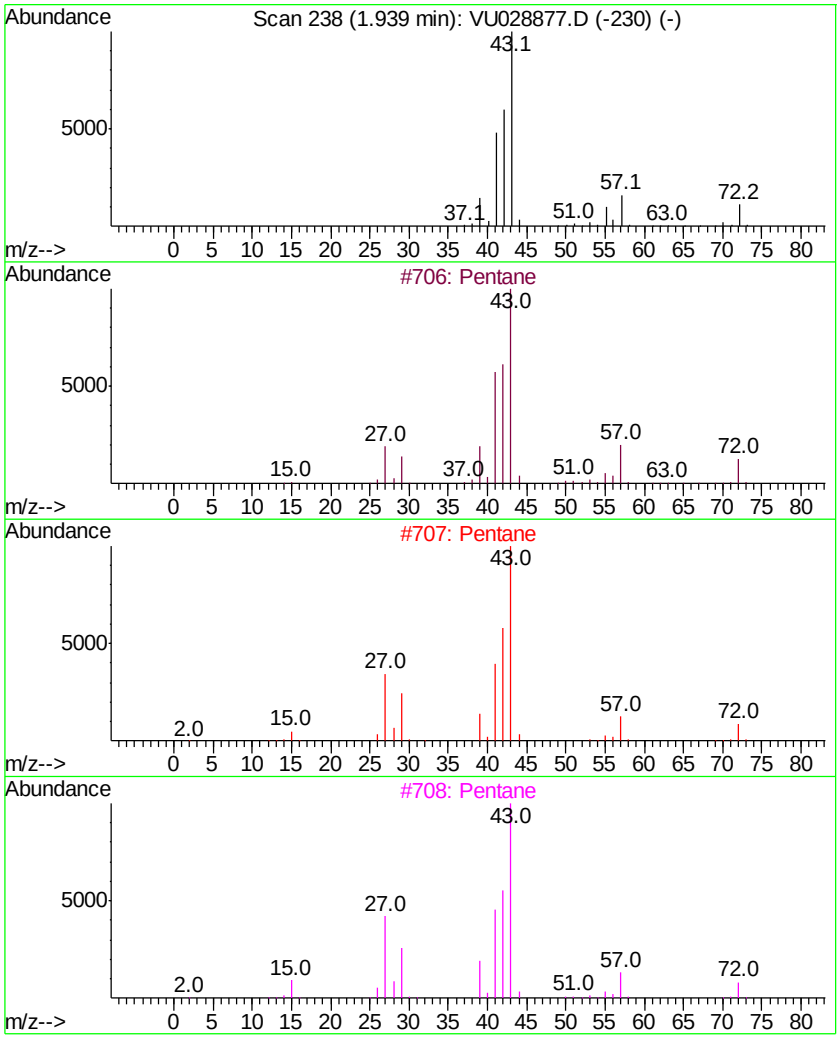
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

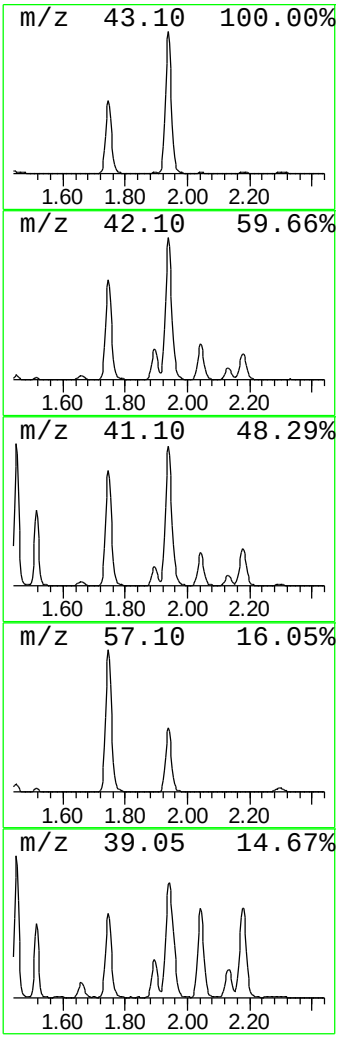
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	61.70 ug/L	528898	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	78
5	Butane, 2-methyl-	72	C5H12	000078-78-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

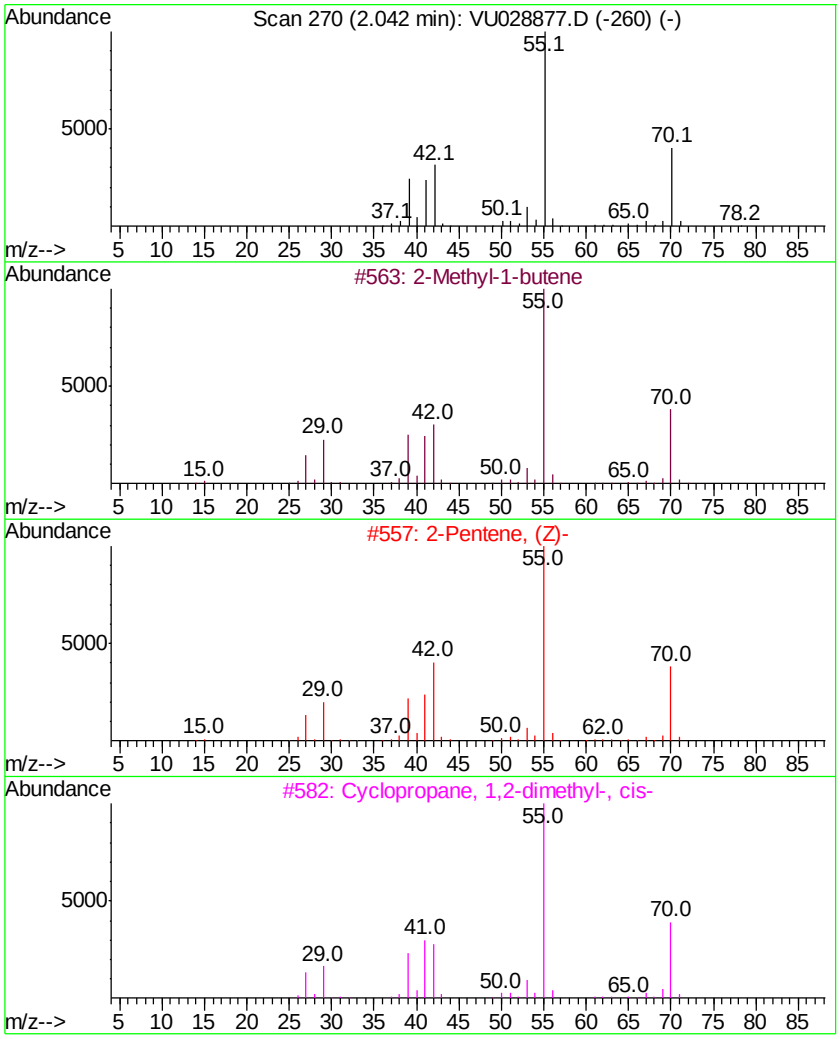
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

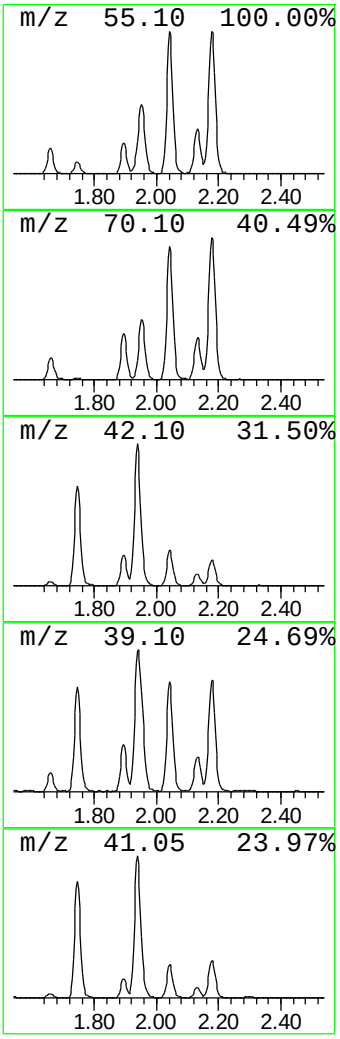
****

Peak Number 7 (DEL) Alkane: Cyclic2.04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	24.40 ug/L	209156	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
4	2-Pentene	70	C5H10	000109-68-2	91
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	91





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

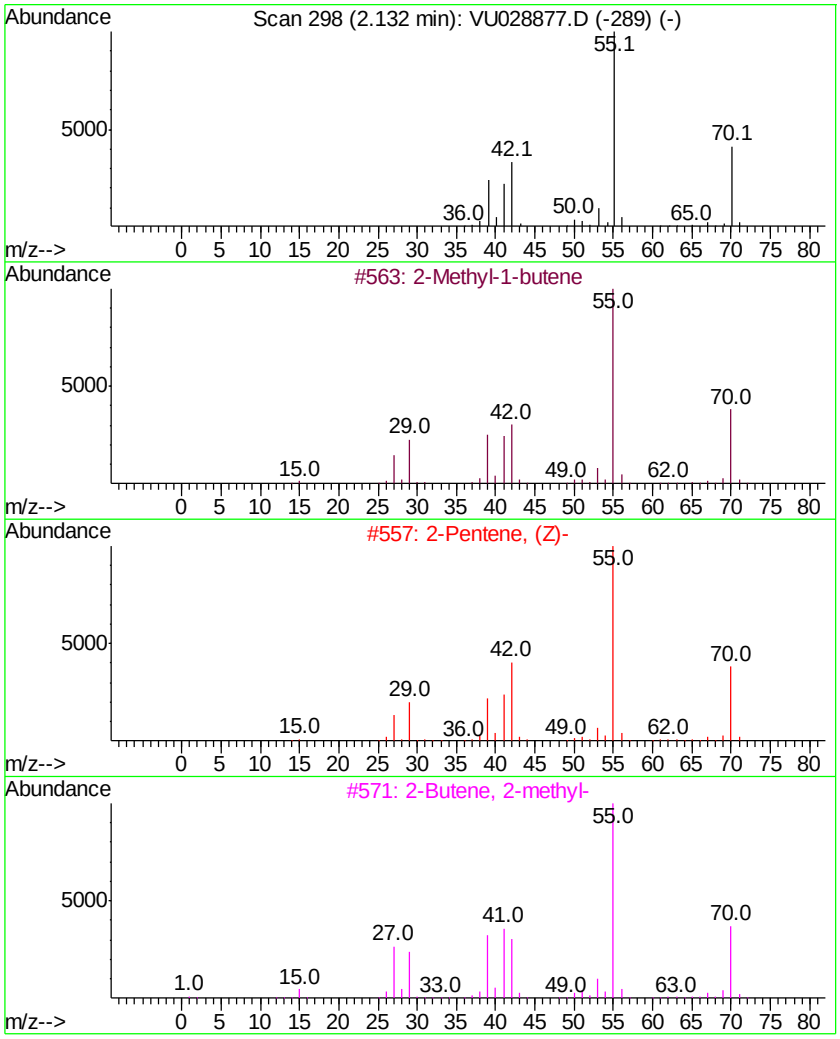
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

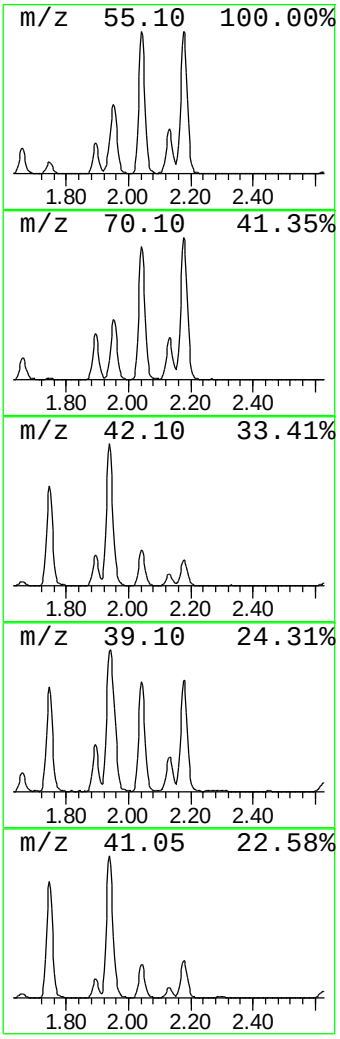
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic2.13 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	8.09 ug/L	69343	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5	2-Pentene	70	C5H10	000109-68-2	87





Library Search Compound Report

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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

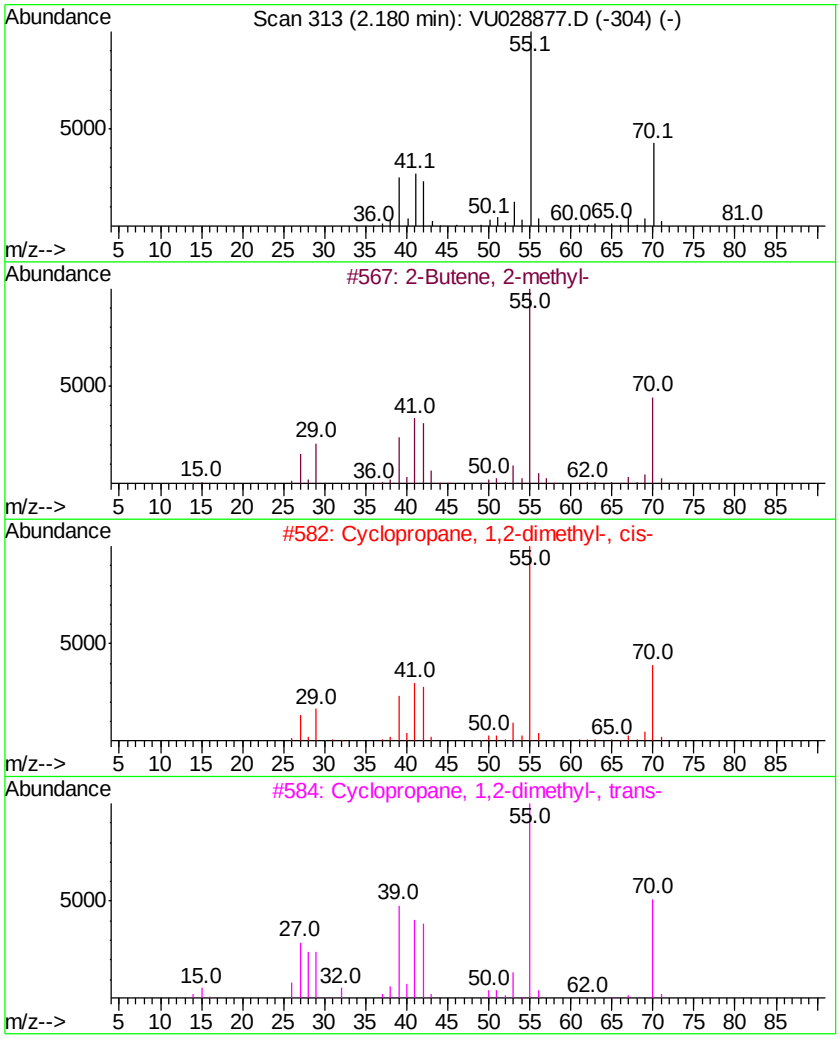
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

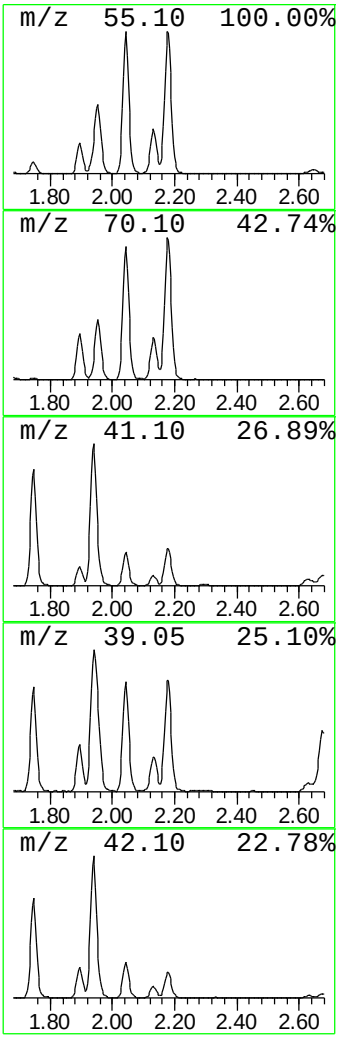
****

Peak Number 9 (DEL) Alkane: Cyclic2.18 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	28.04 ug/L	240332	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	80





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

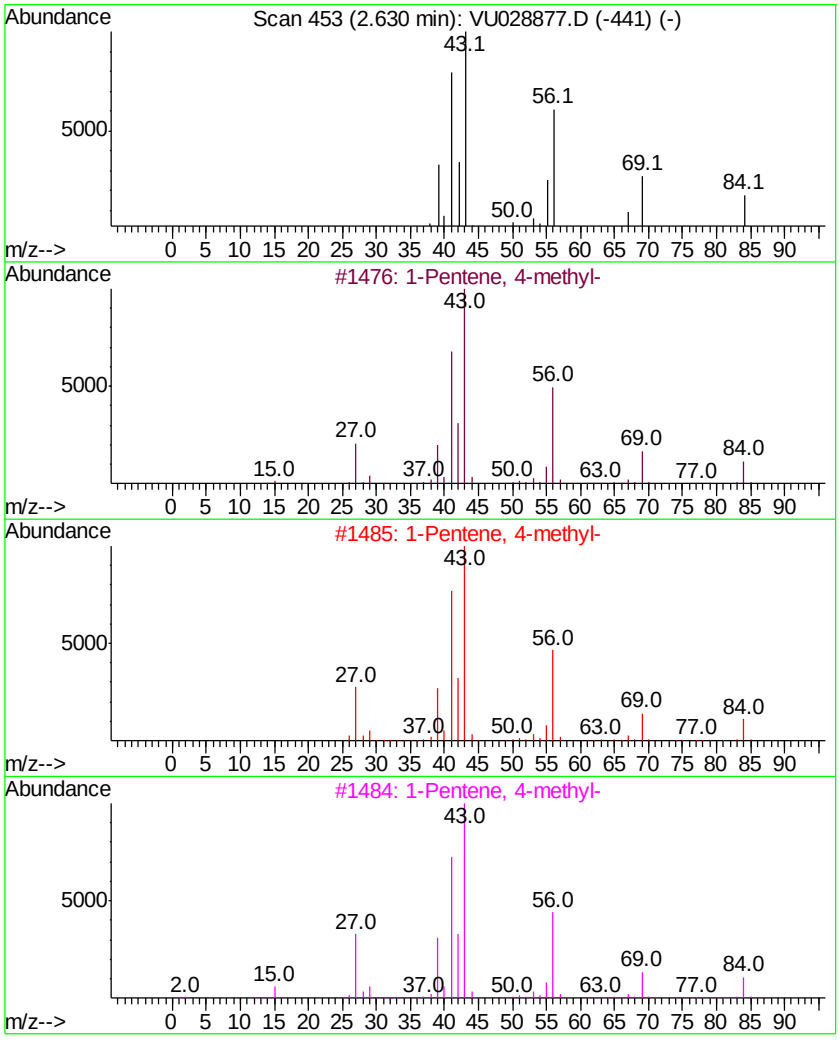
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

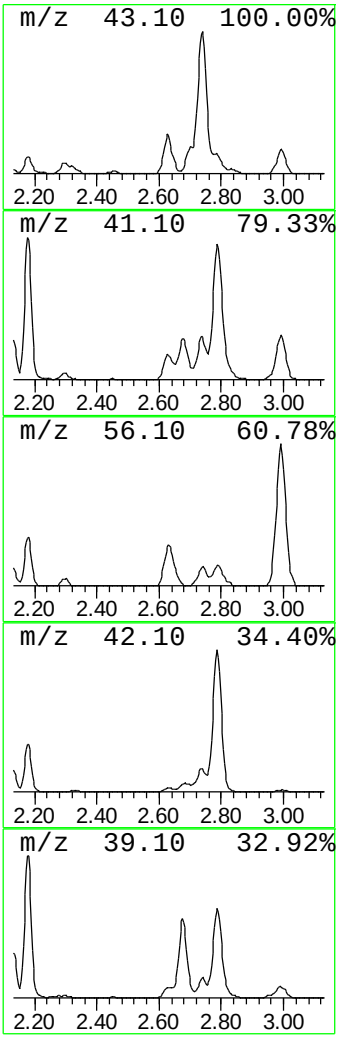
****

Peak Number 10 (DEL) Alkane: Cyclic2.63 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.63	2.81 ug/L	24120	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	86
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	86
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	78
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	52
5	Cyanic acid, 2-methylpropyl ester	99	C5H9NO	001768-25-8	50





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

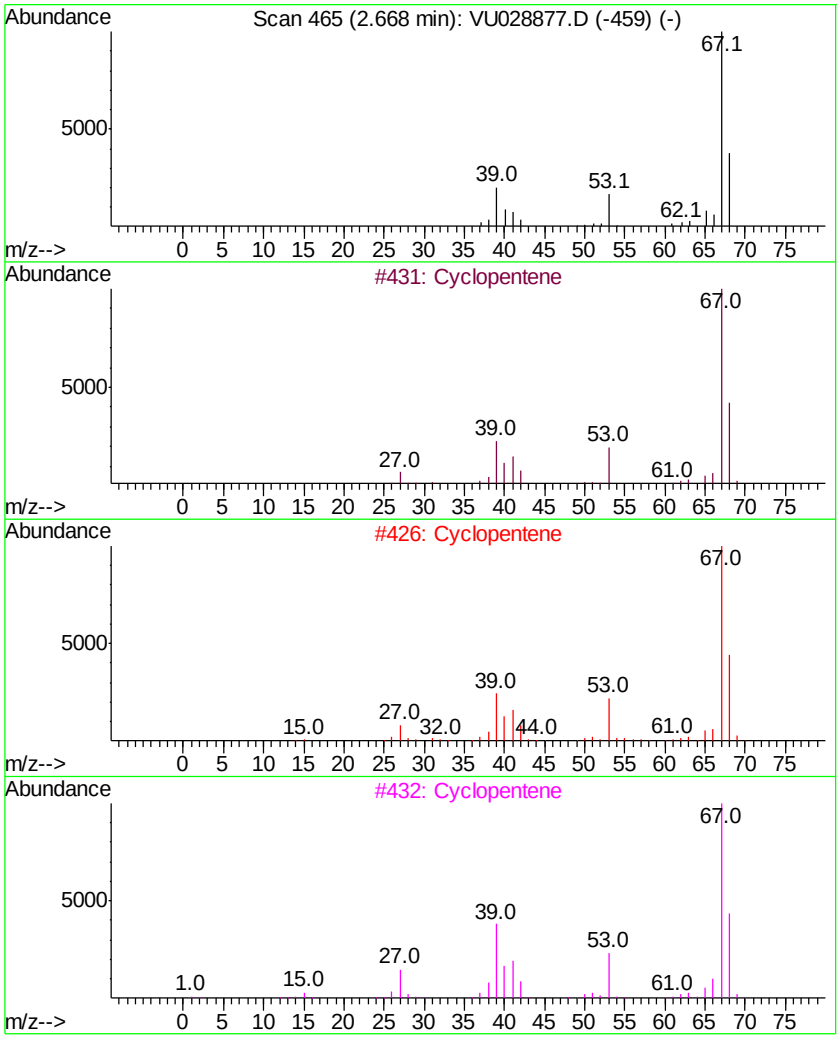
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

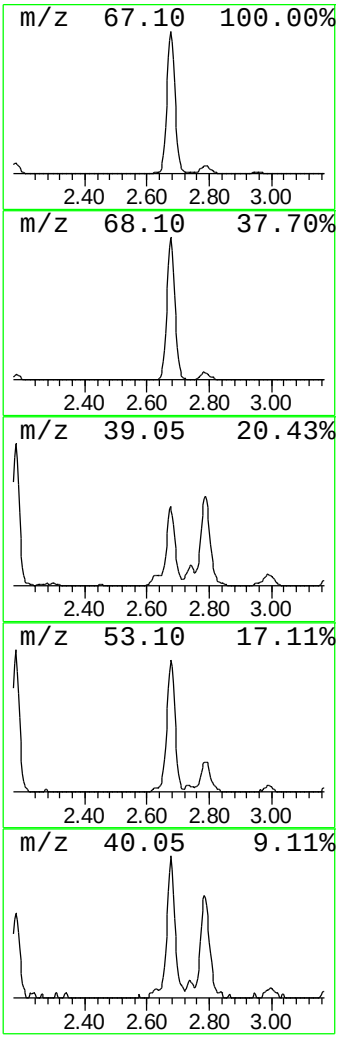
****

Peak Number 11 Cyclopentene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.67	19.89 ug/L	170515	1,4-Difluorobenzene	5.88

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	86
4	Cyclopentene	68	C5H8	000142-29-0	86
5	Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	83





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

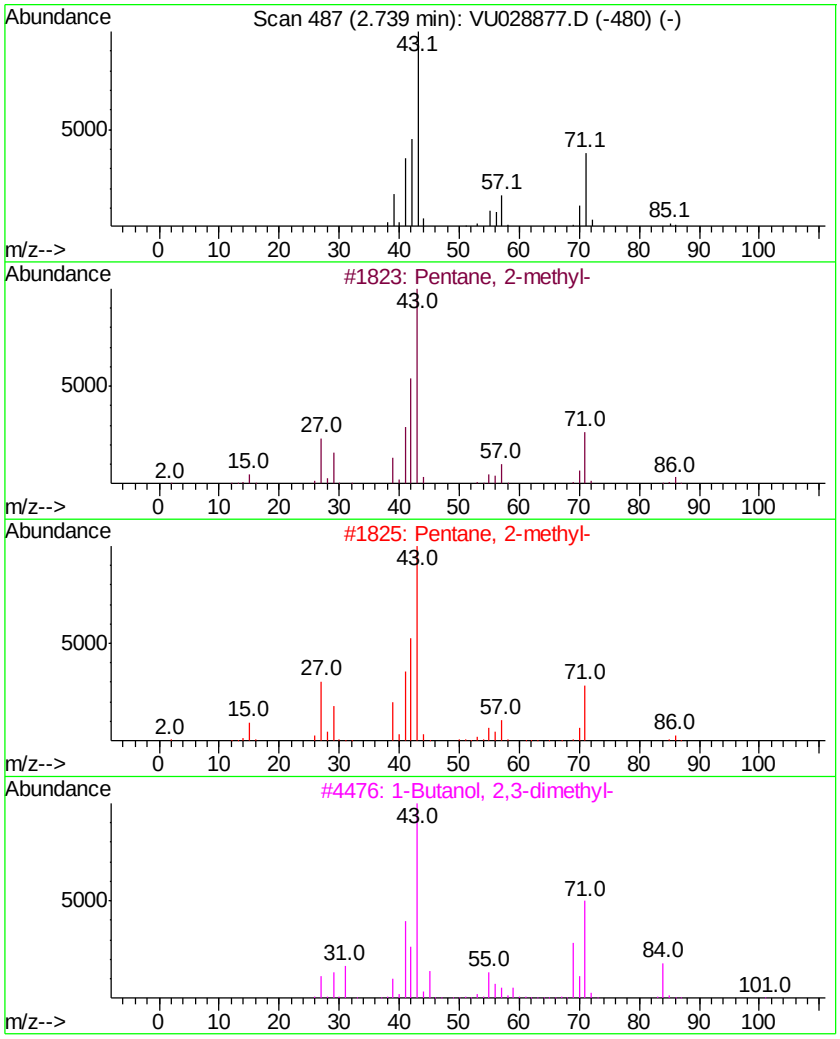
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

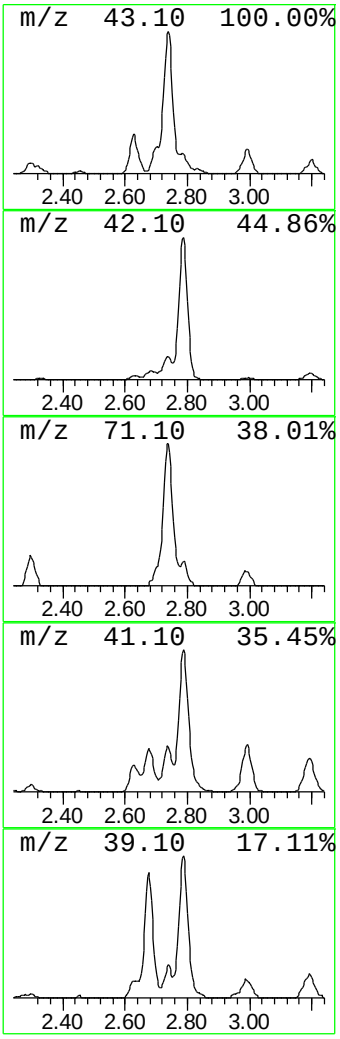
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	7.82 ug/L	67066	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	37
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	25





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

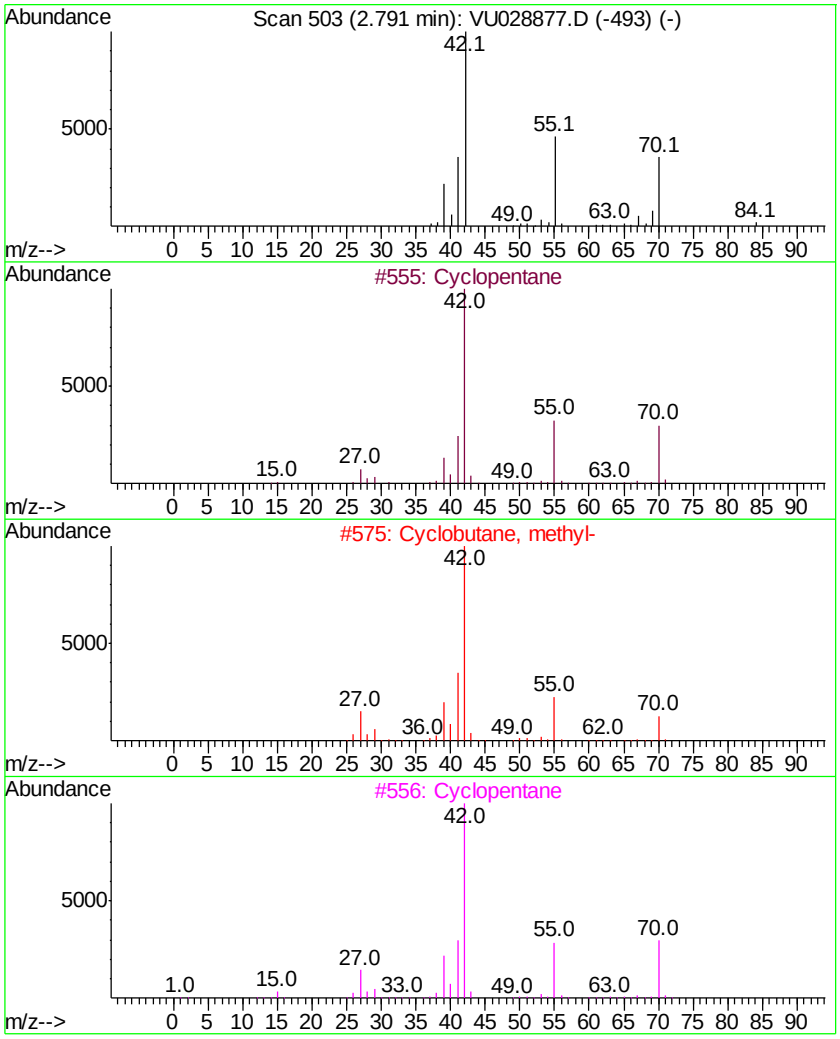
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

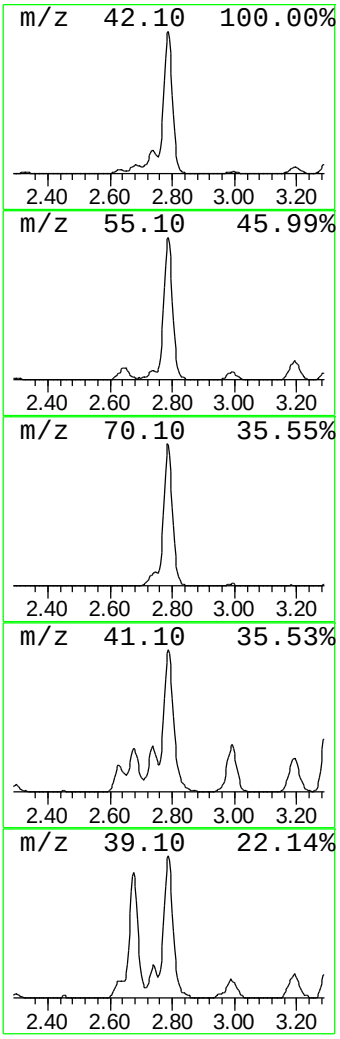
****

Peak Number 13 (DEL) Alkane: Cyclic2.79 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	28.20 ug/L	241677	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	Cyclopentane	70	C5H10	000287-92-3	64
4	1-Pentanol	88	C5H12O	000071-41-0	40
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	38





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

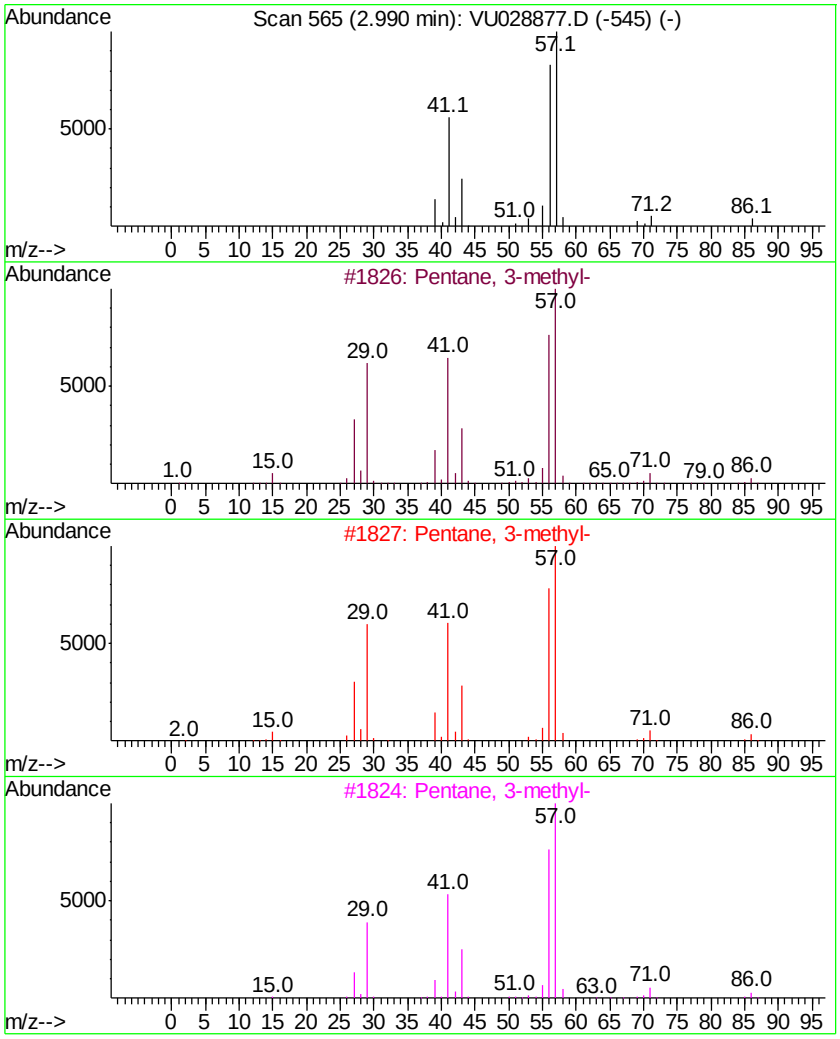
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

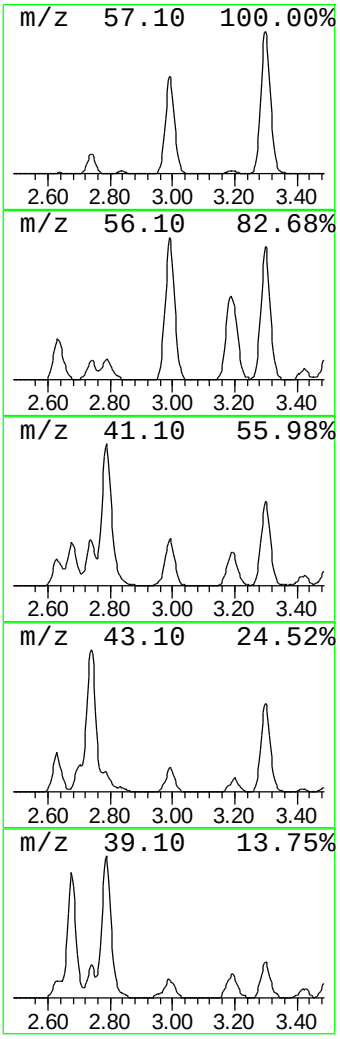
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	6.70 ug/L	57463	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	74
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45





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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
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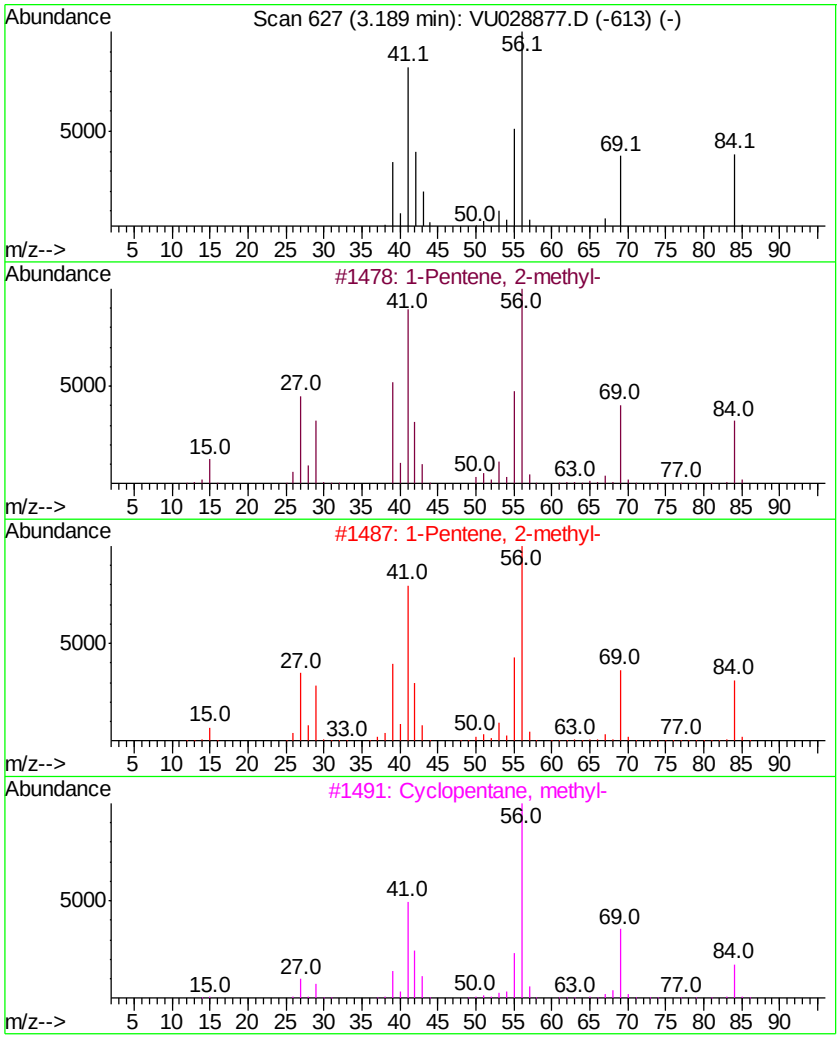
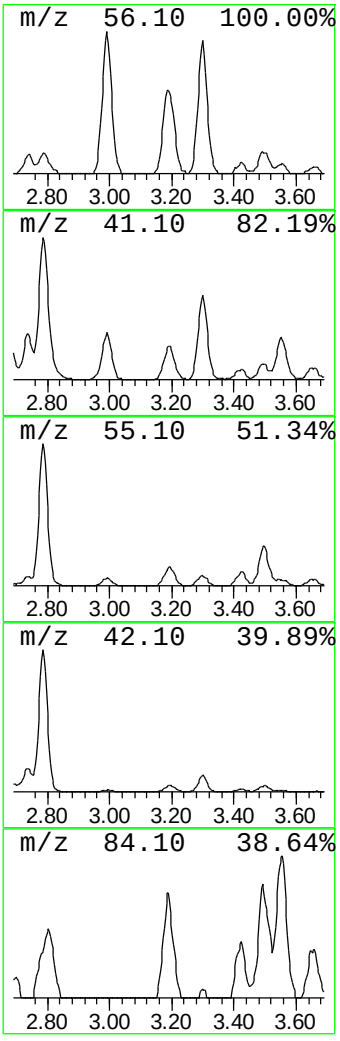
Peak Number 15 (DEL) Alkane: Cyclic3.19 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	5.32 ug/L	45635	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	1-Hexene	84	C6H12	000592-41-6	86
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80





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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
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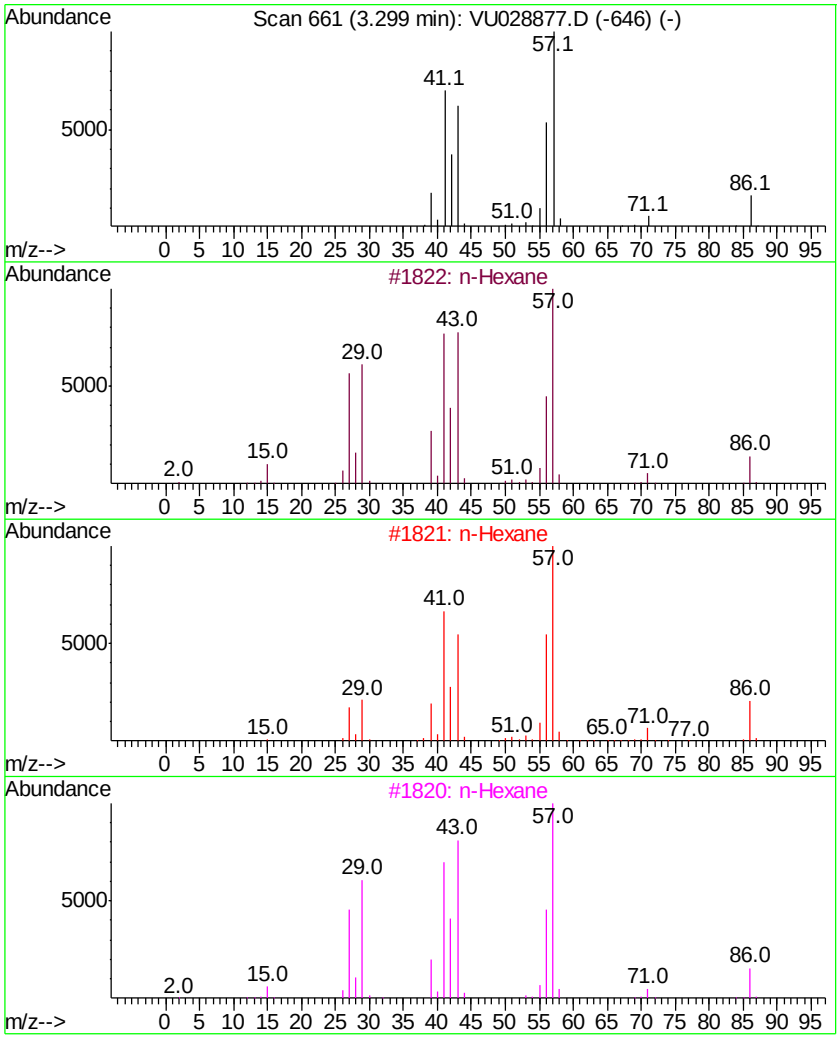
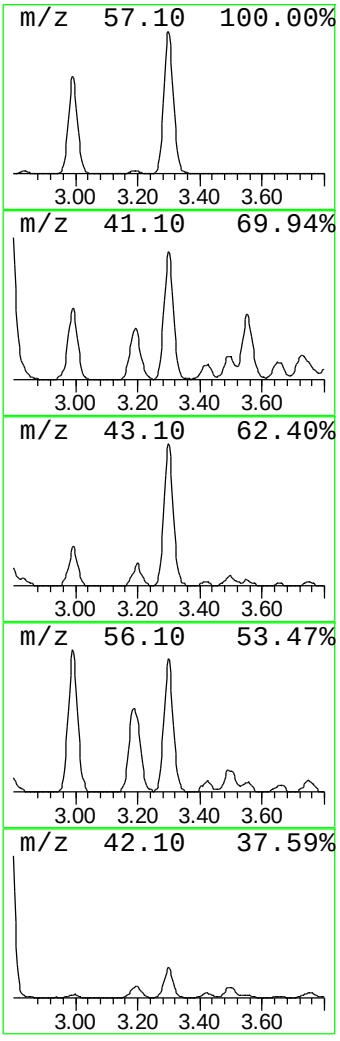
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	11.82 ug/L	101326	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	83
3	n-Hexane	86	C6H14	000110-54-3	80
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	47
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40





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

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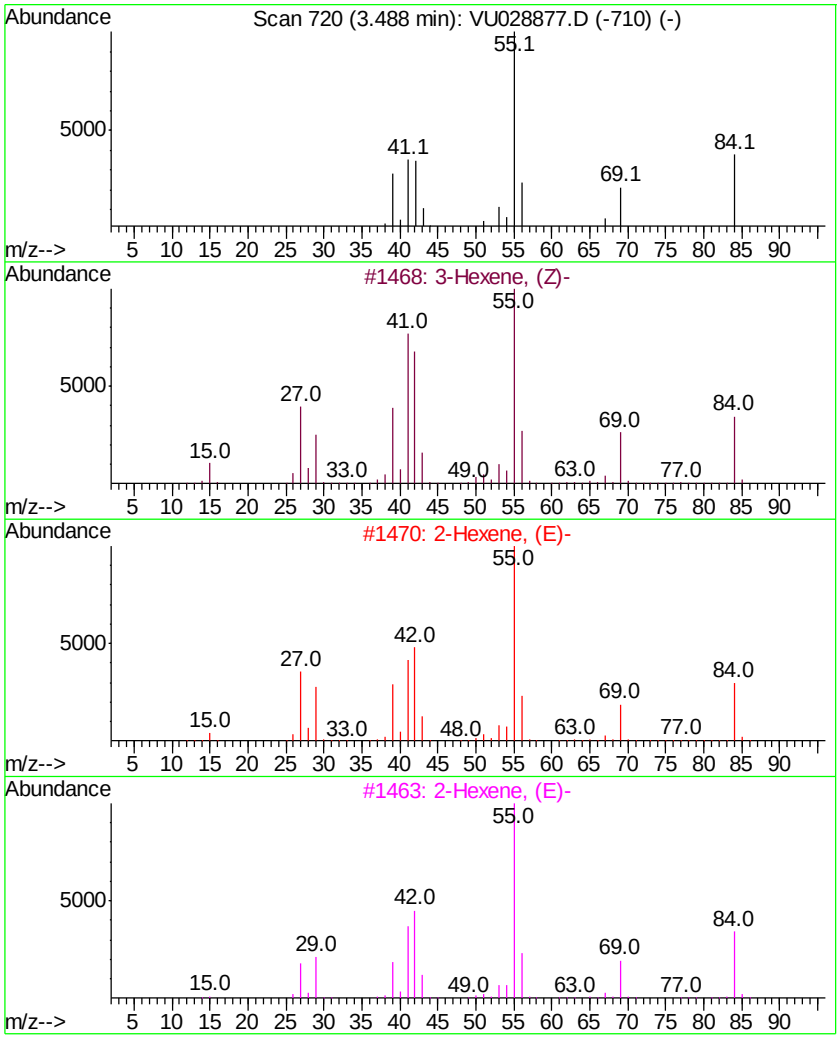
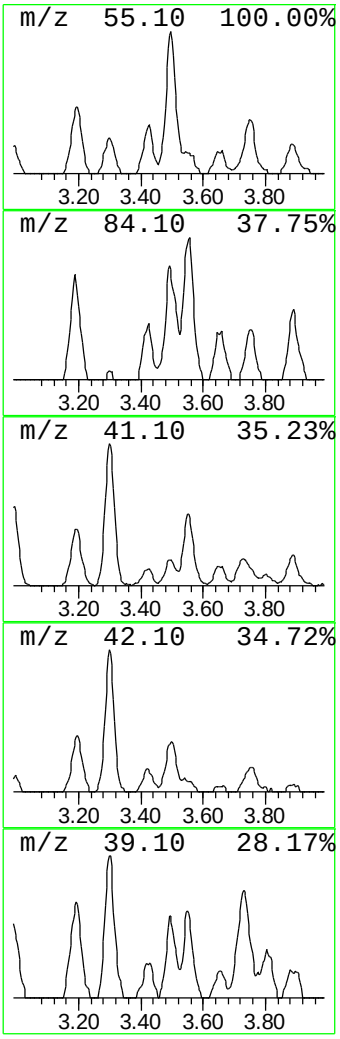
Peak Number 17 (DEL) Alkane: Cyclic3.49 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	3.73 ug/L	31949	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
2	2-Hexene, (E)-	84	C6H12	004050-45-7	90
3	2-Hexene, (E)-	84	C6H12	004050-45-7	90
4	3-Hexene	84	C6H12	000592-47-2	86
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	86





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Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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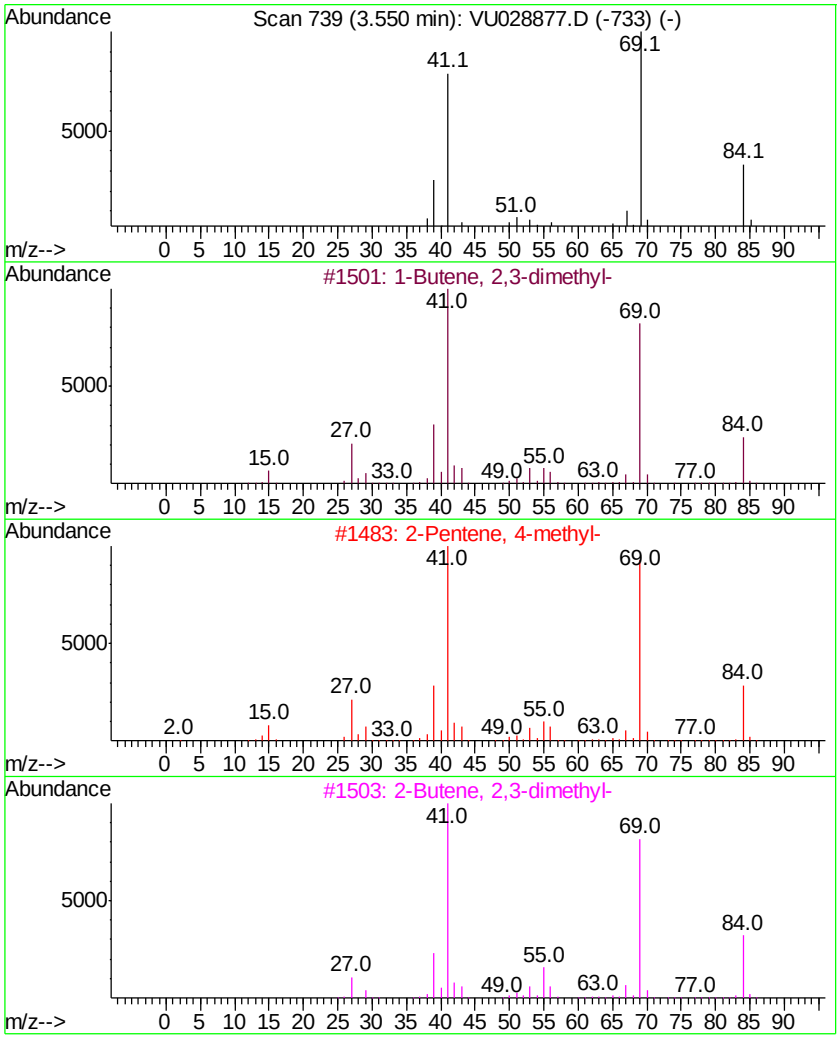
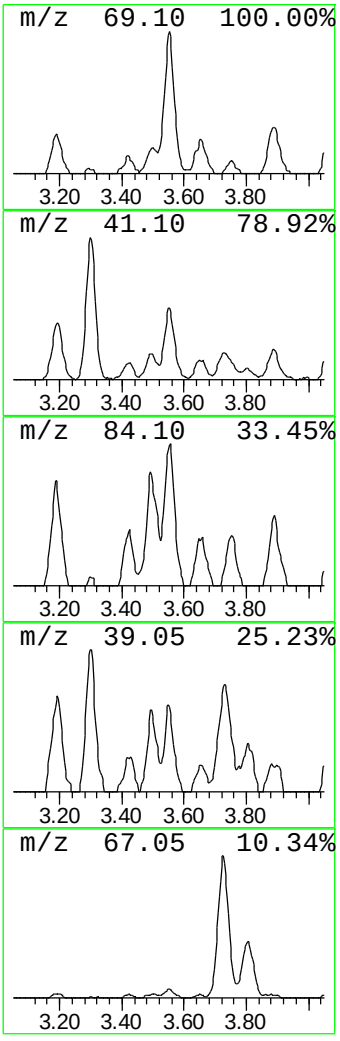
Peak Number 18 (DEL) Alkane: Cyclic3.55 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.55	4.14 ug/L	35488	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	86
2	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	83
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	78
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

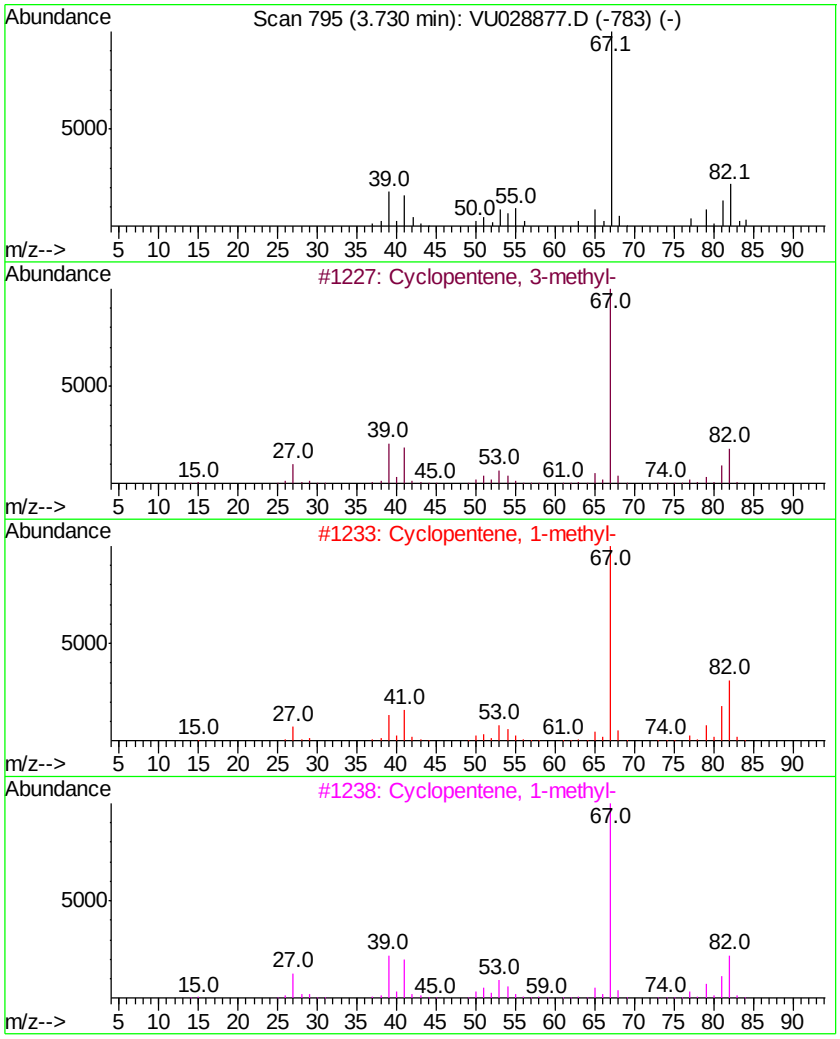
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

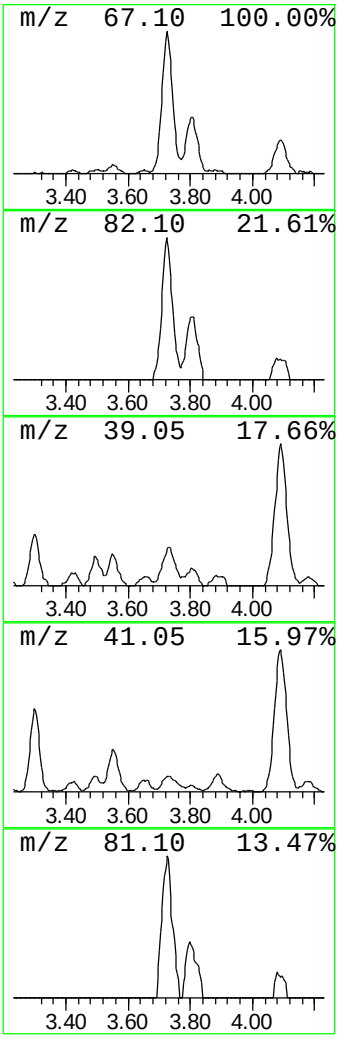
****

Peak Number 19 Cyclopentene, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	6.45 ug/L	55326	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86





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Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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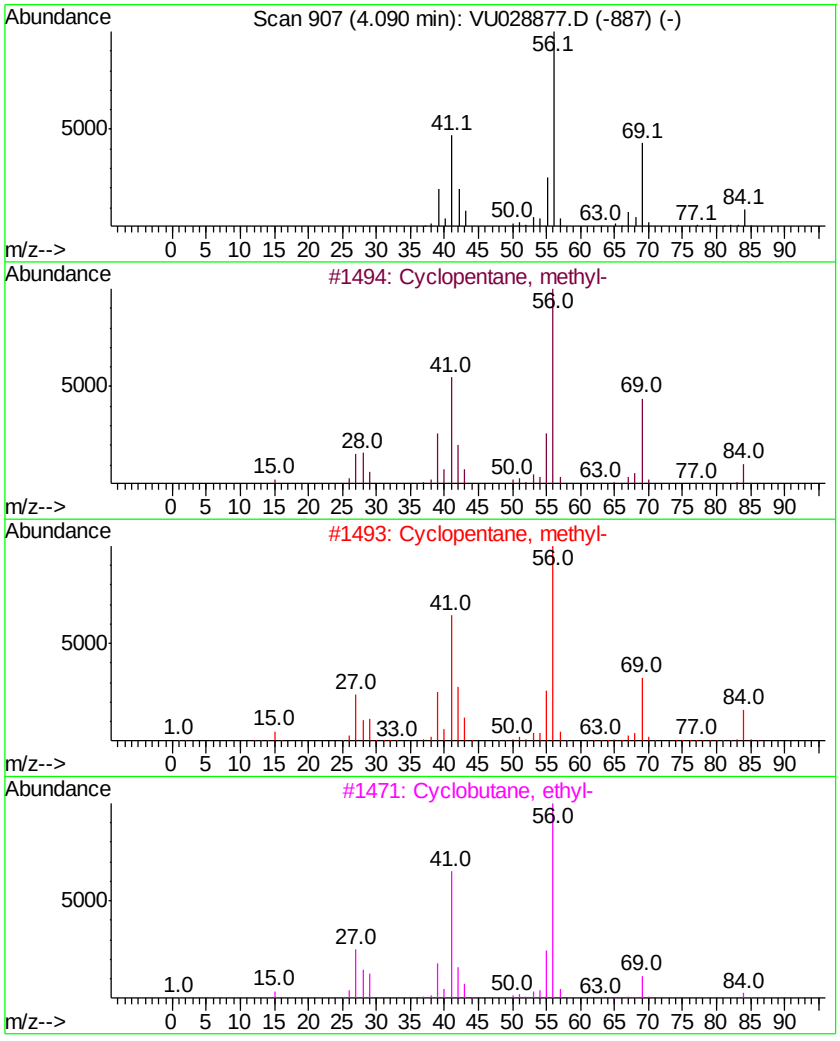
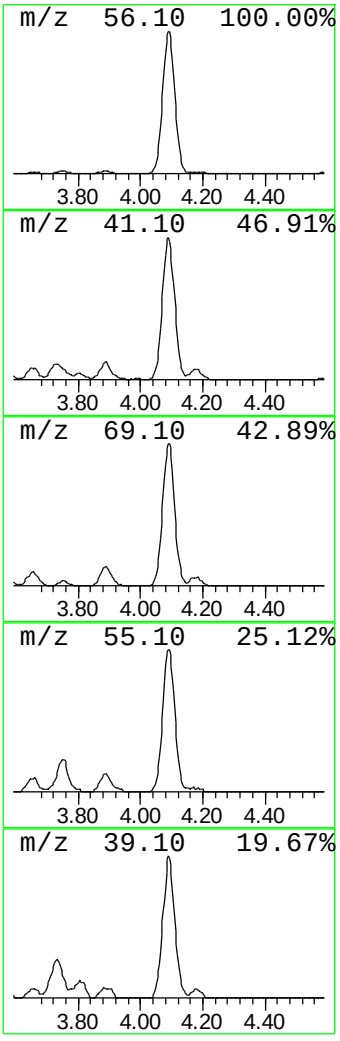
Peak Number 20 (DEL) Alkane: Cyclic4.09 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	31.41 ug/L	269213	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	56
5	Cyclohexane	84	C6H12	000110-82-7	50





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Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

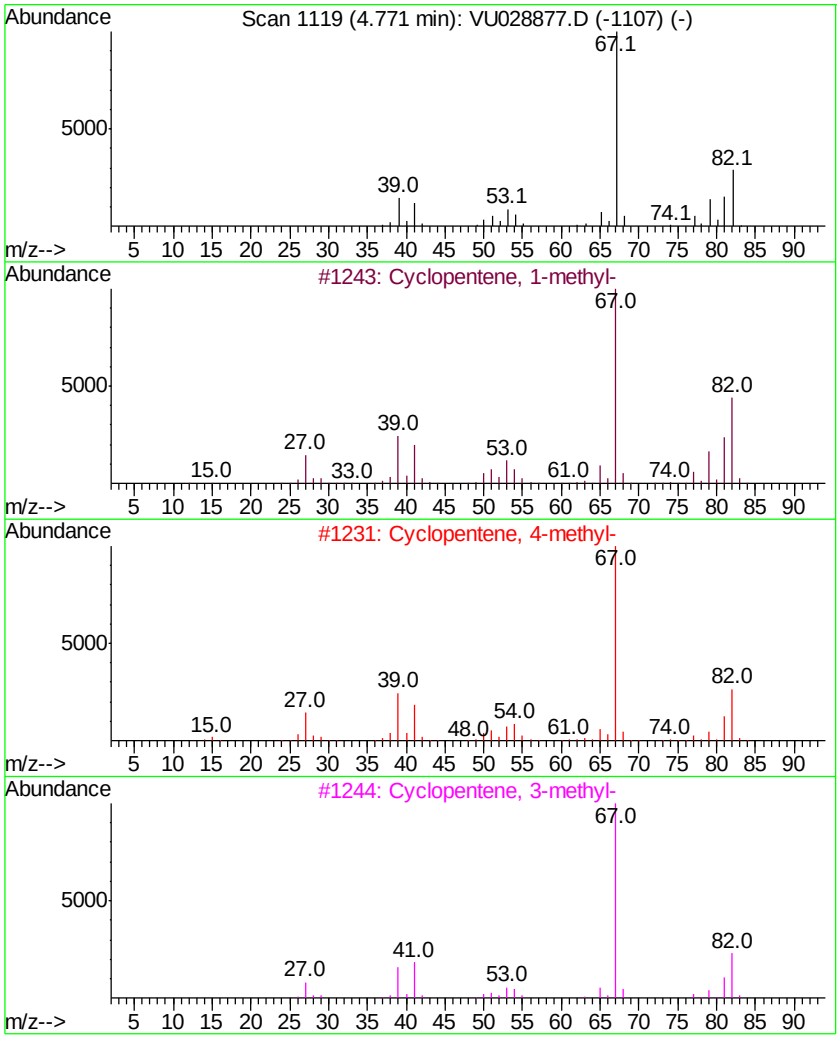
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

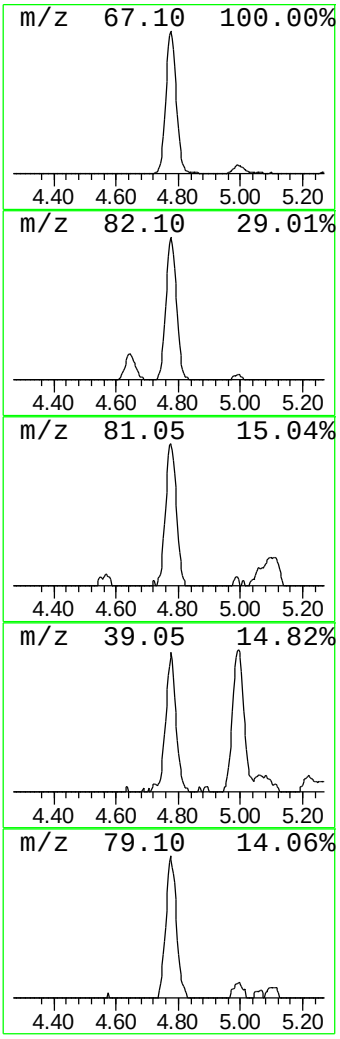
****

Peak Number 21 Cyclopentene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	14.66 ug/L	125659	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87





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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

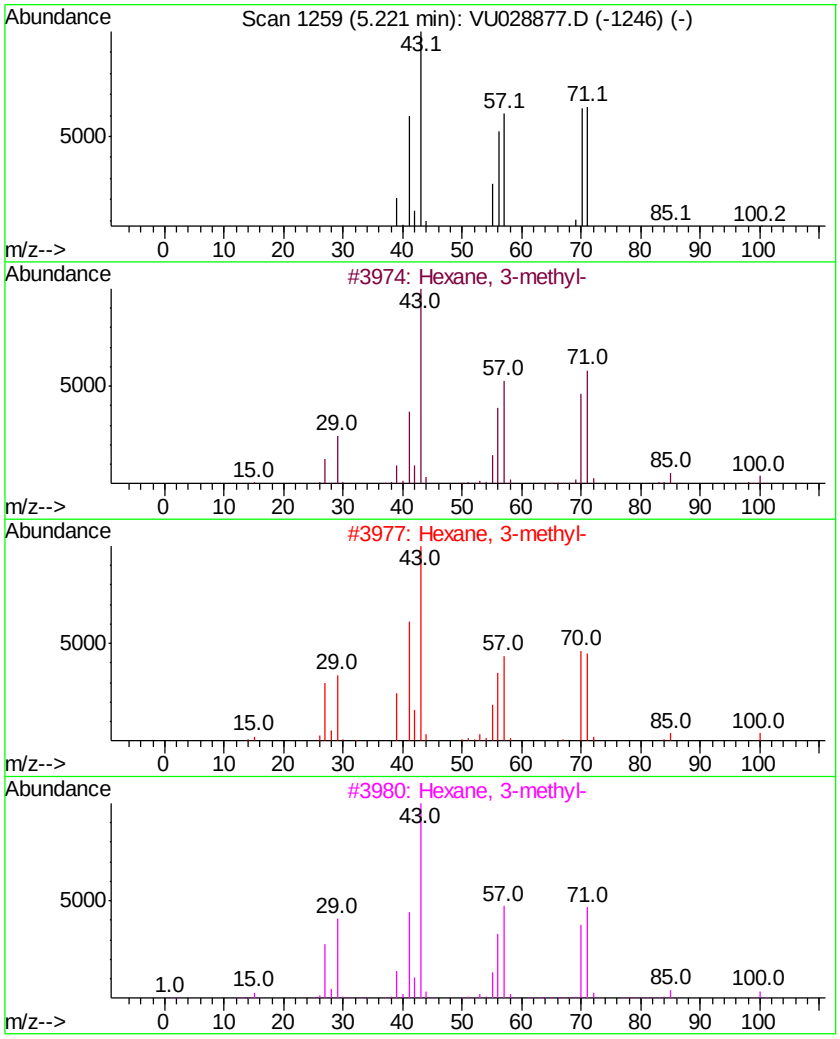
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

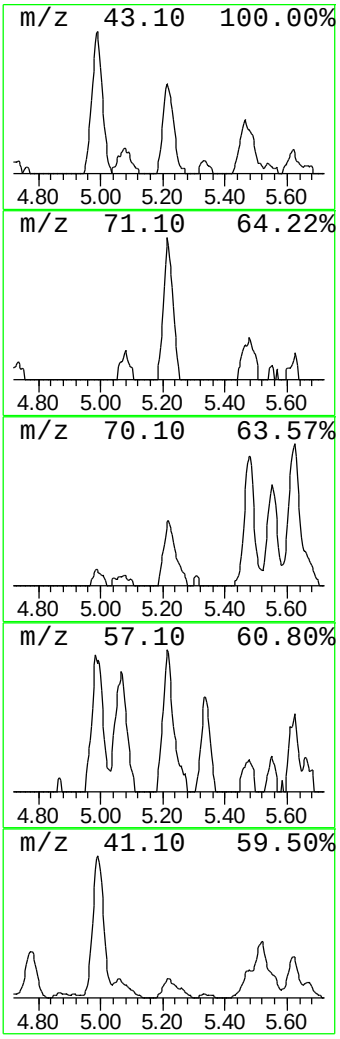
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	3.42 ug/L	29321	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	45
5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	45





Library Search Compound Report

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Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

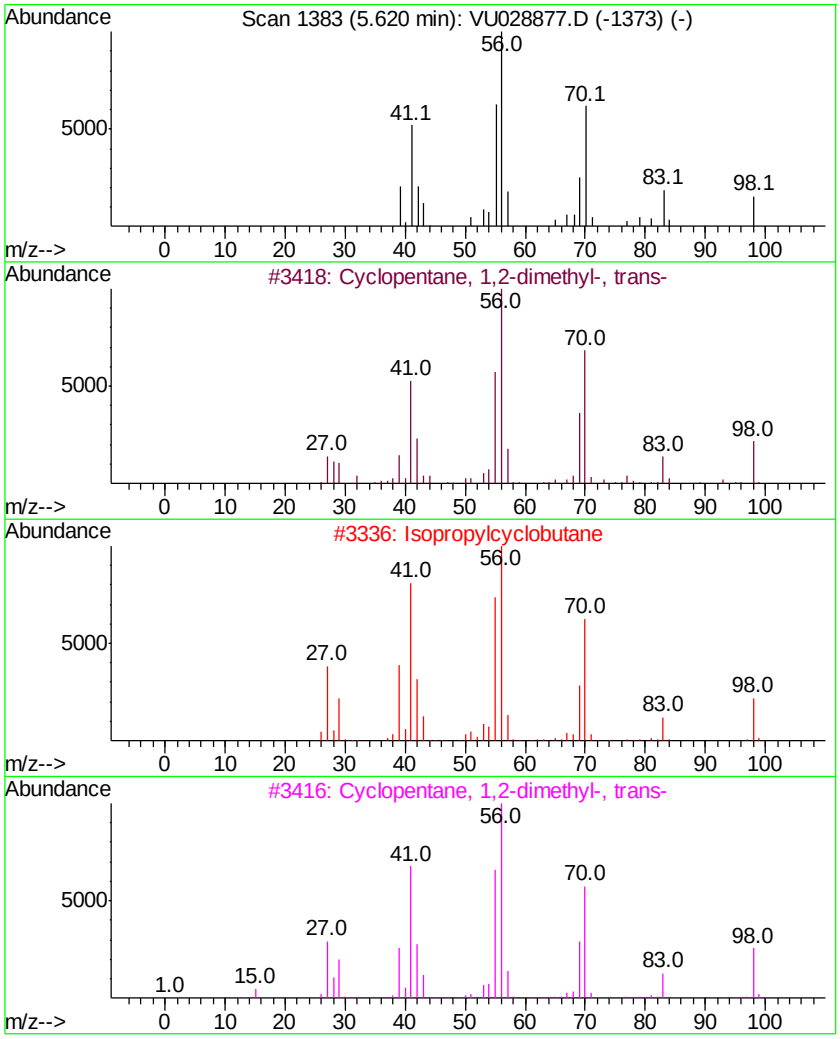
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

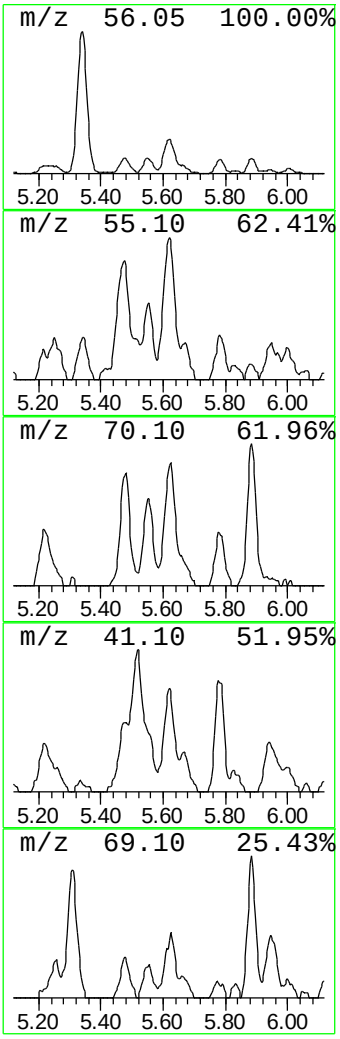
****

Peak Number 23 (DEL) Alkane: Cyclic5.62 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	4.19 ug/L	35883	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Isopropylcyclobutane	98	C7H14	000872-56-0	87
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	78
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	74
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	72





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Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

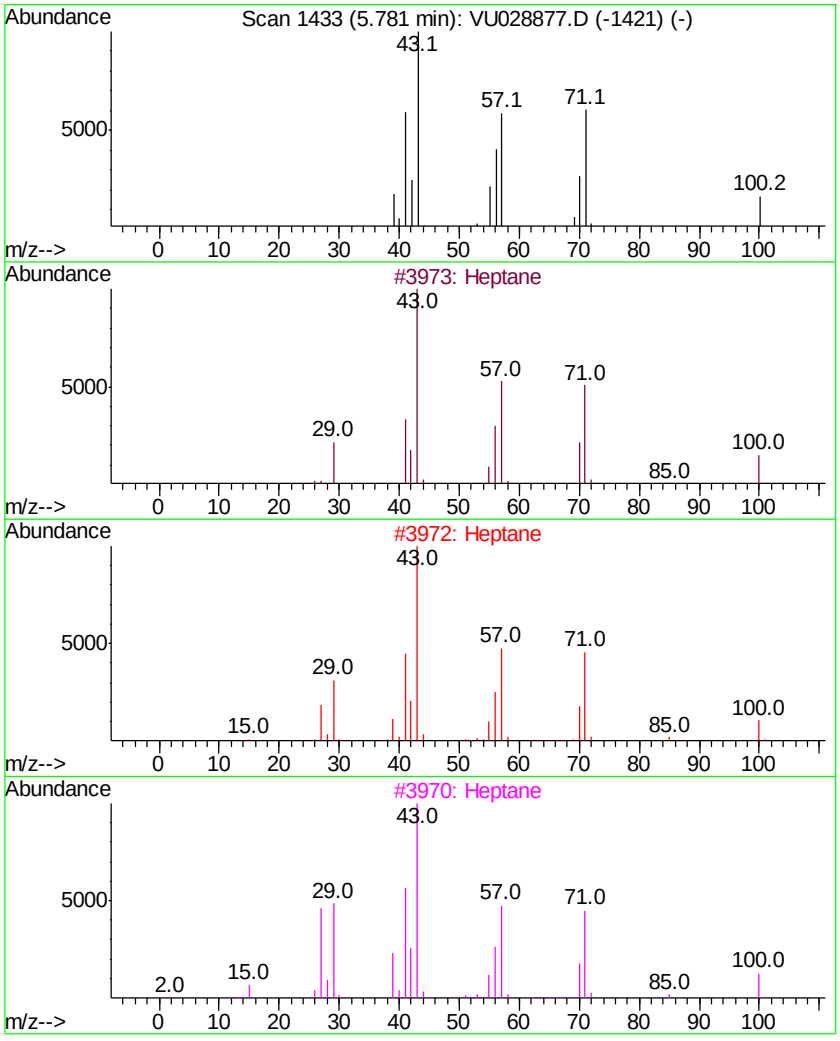
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

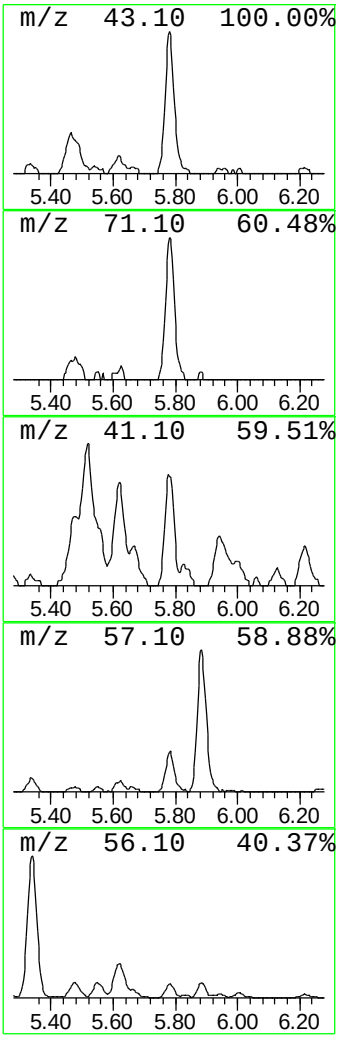
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	4.53 ug/L	38822	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	90
2	Heptane	100	C7H16	000142-82-5	83
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	64
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	42





Library Search Compound Report

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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

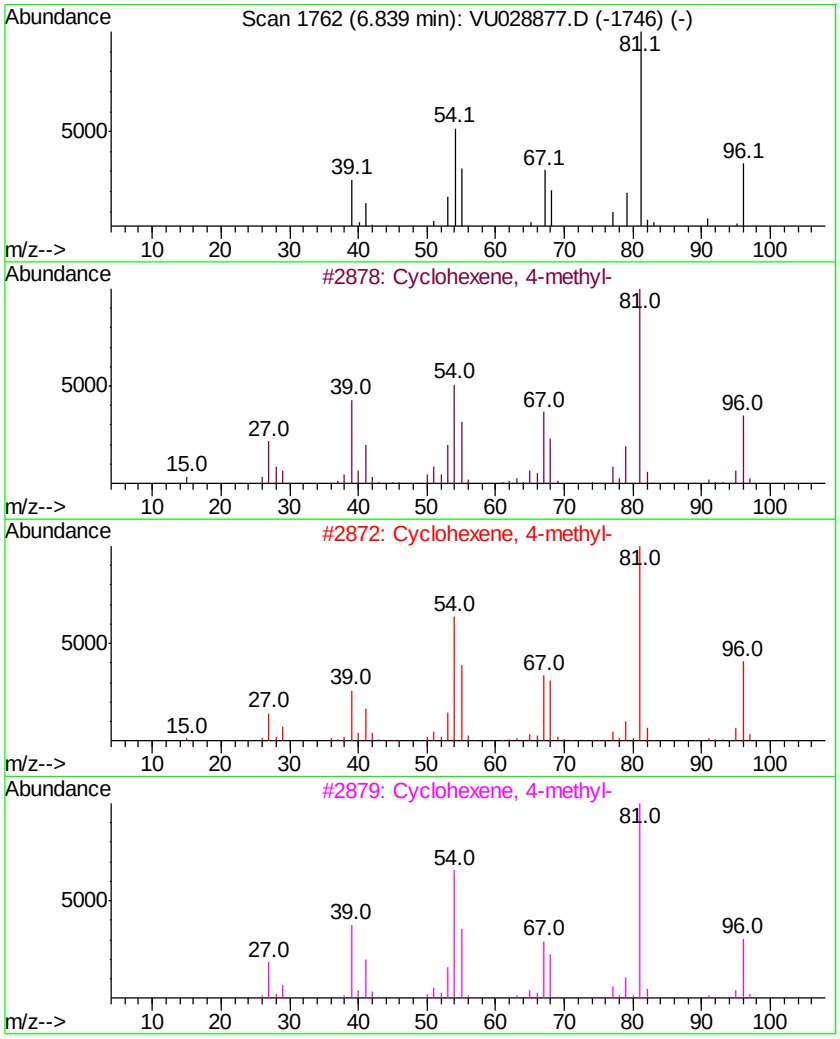
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

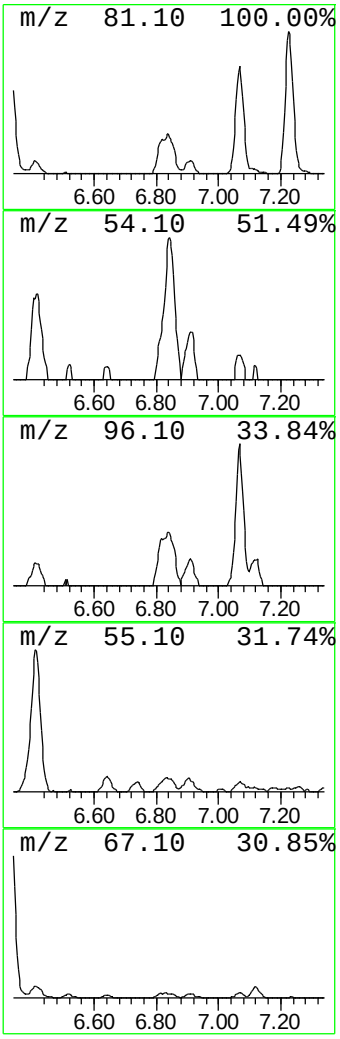
****

Peak Number 26 Cyclohexene, 4-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	4.17 ug/L	35764	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	94
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	91
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	81
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	68
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	58





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Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

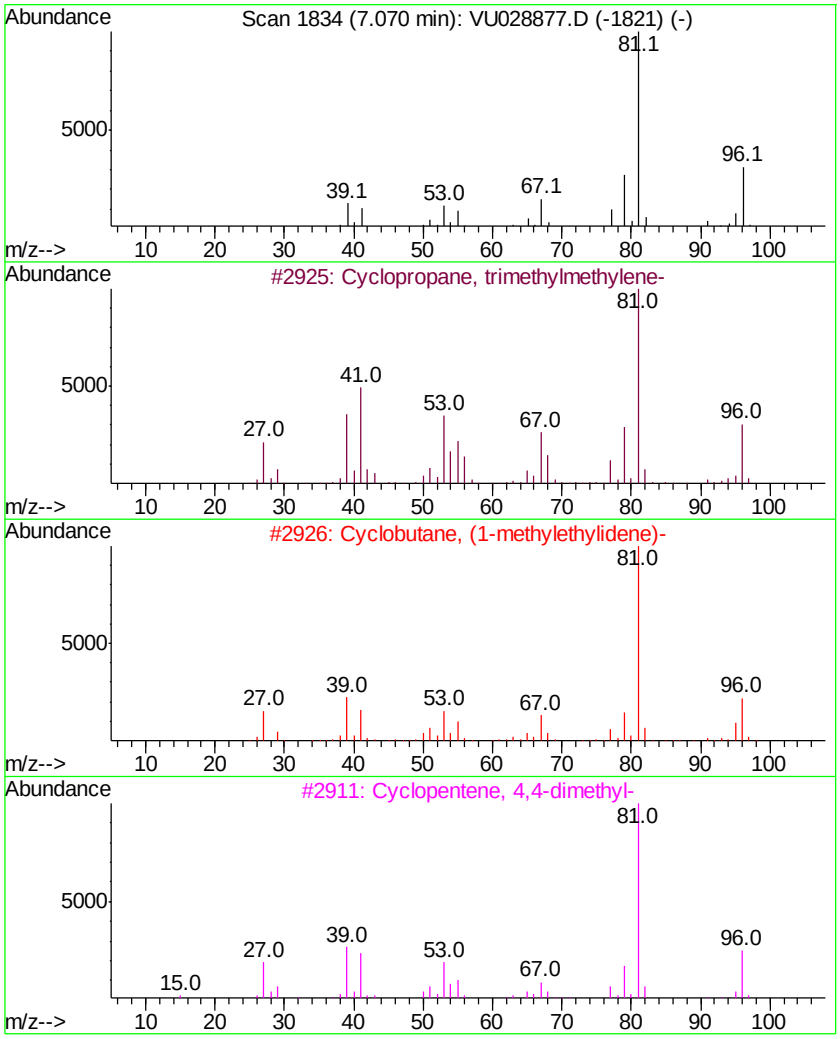
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

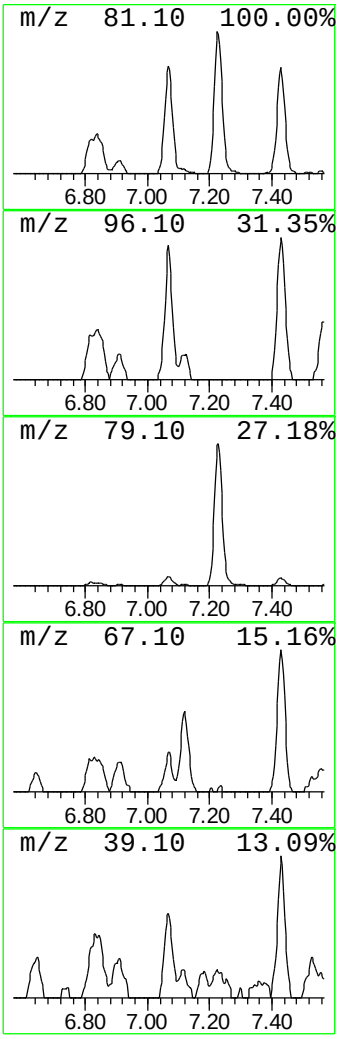
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Cyclopropane, trimethylmeth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	4.64 ug/L	39773	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	90
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	78
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	78
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
5	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	72





Library Search Compound Report

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Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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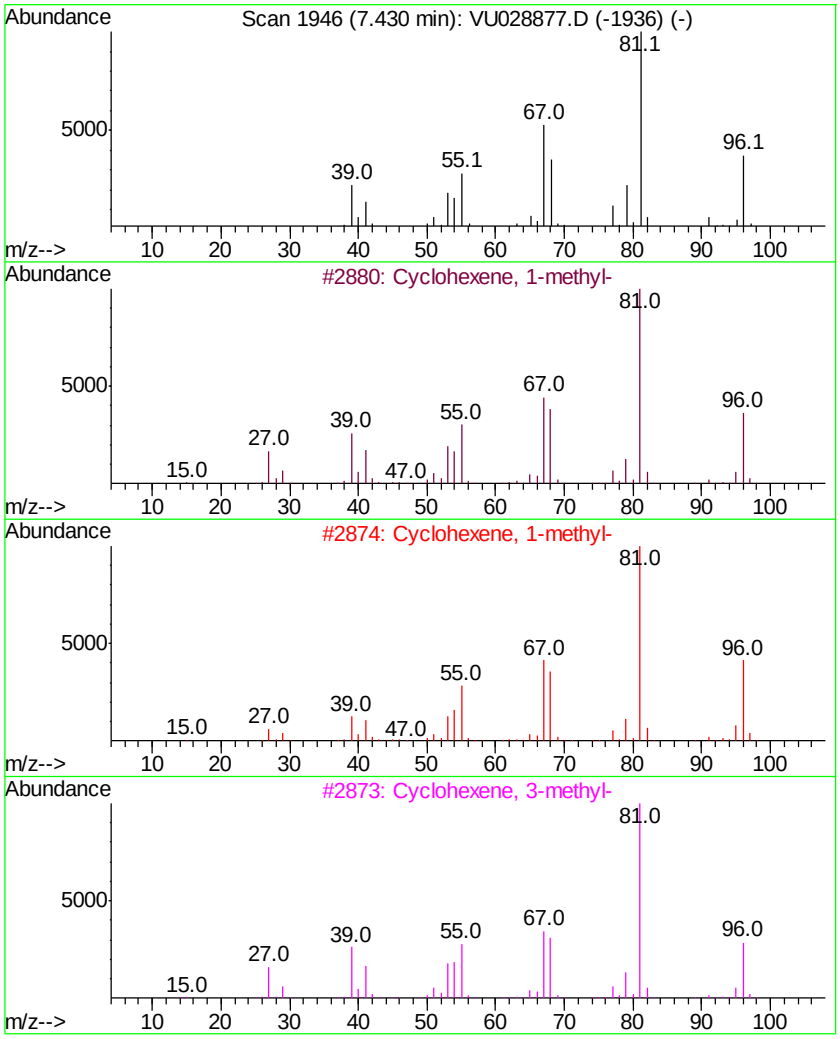
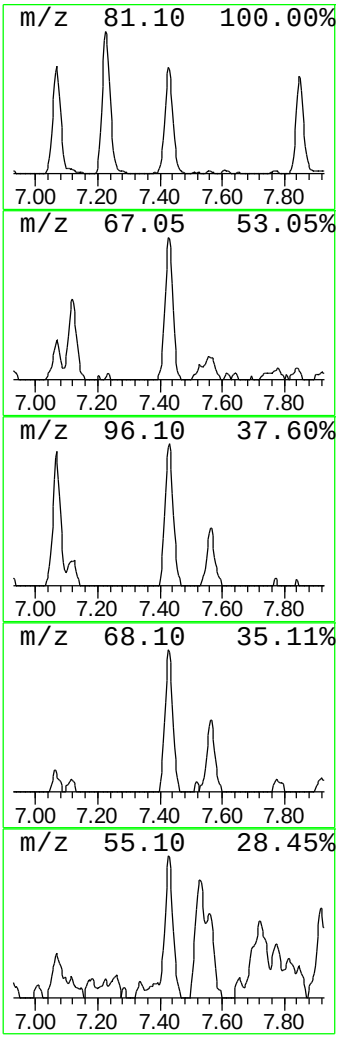
Peak Number 29 Cyclohexene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	6.66 ug/L	57105	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	81
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	81
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	81





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Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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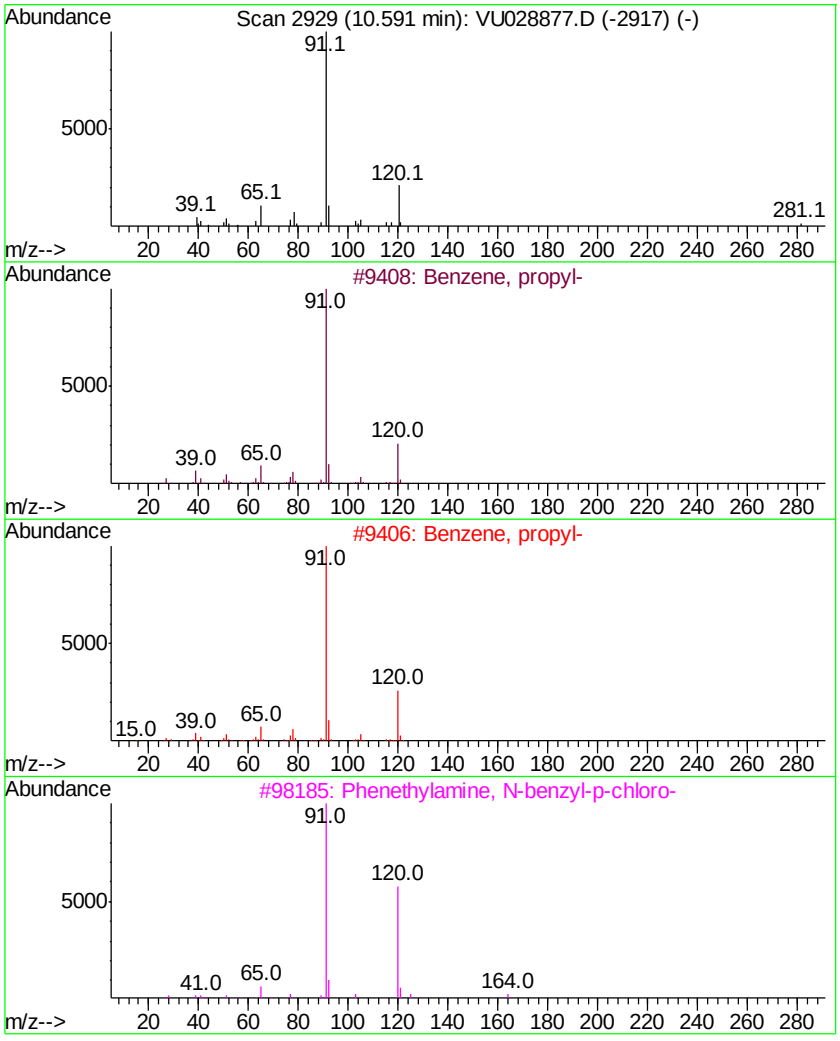
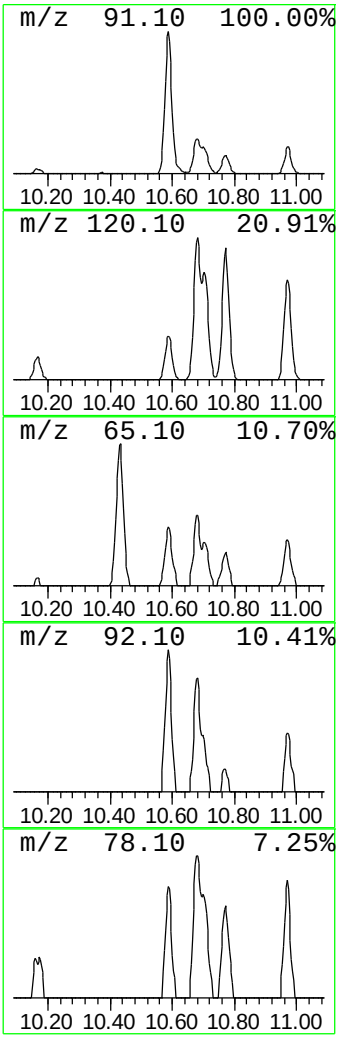
Peak Number 30 Benzene, propyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.51 ug/L	34171	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
4	n-Butylbenzylamine	163	C11H17N	002403-22-7	78
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	78





Library Search Compound Report

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Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

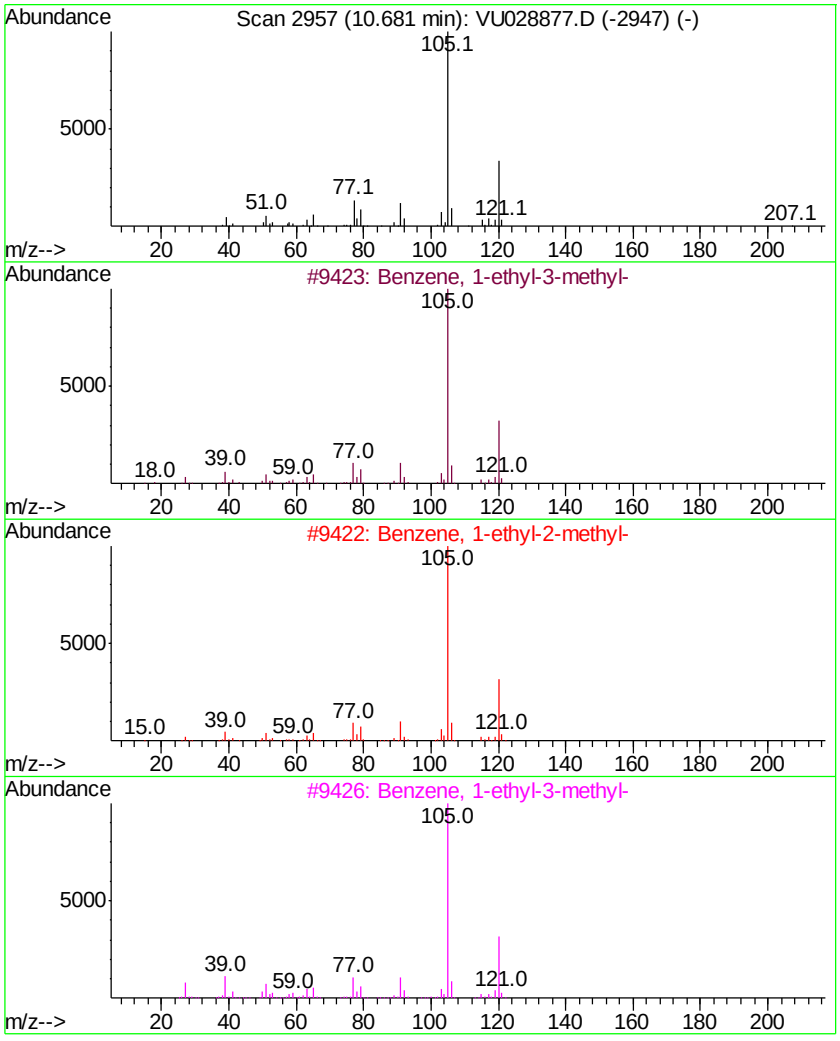
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

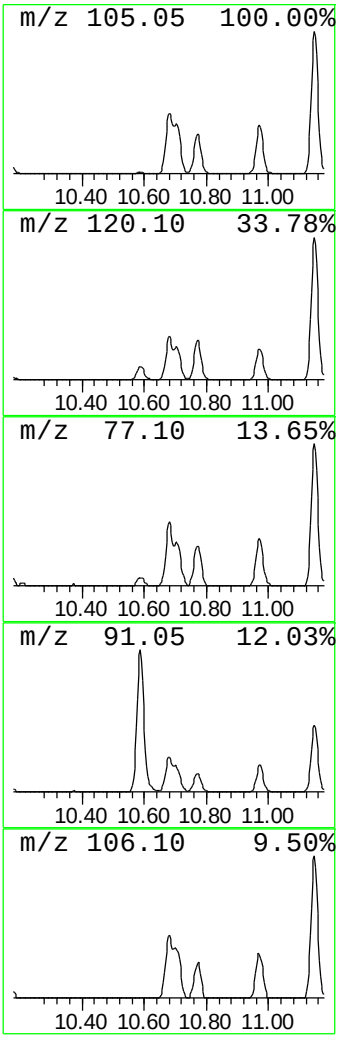
****

Peak Number 31 Benzene, 1-ethyl-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	9.12 ug/L	88888	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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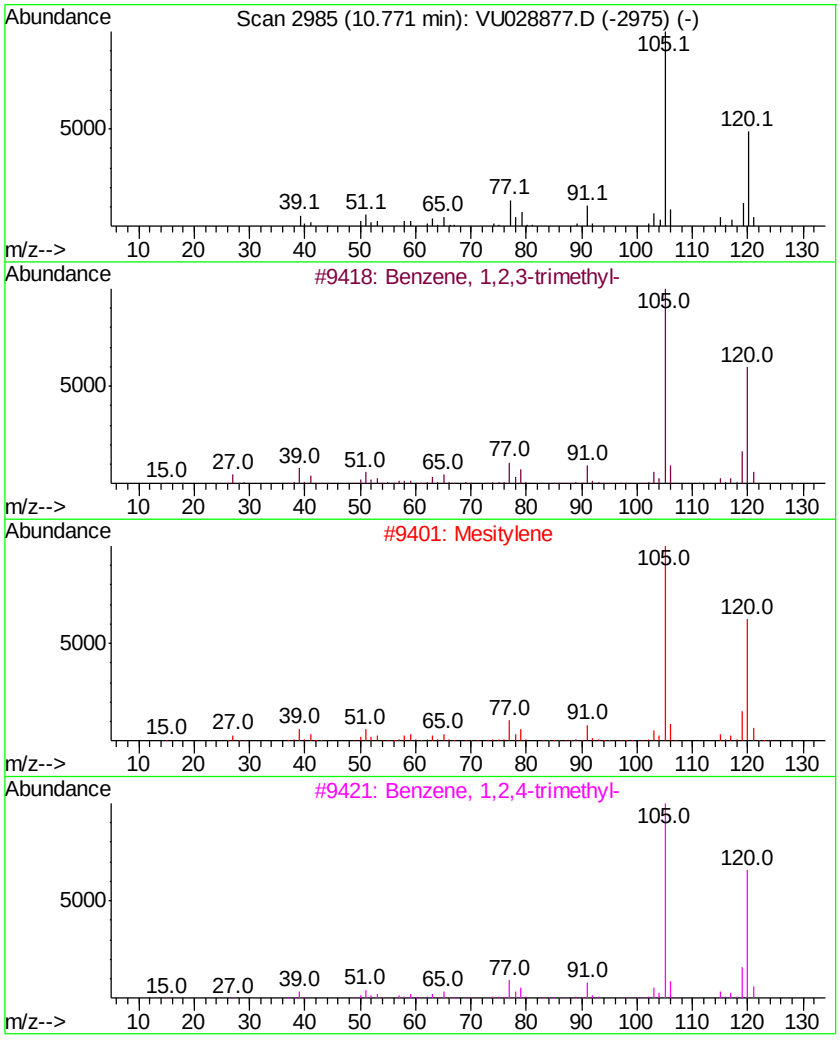
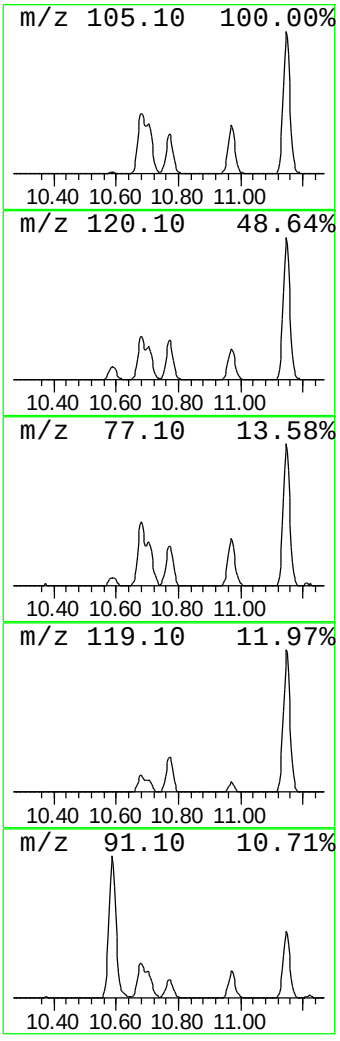
Peak Number 32 Benzene, 1,2,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	6.20 ug/L	60413	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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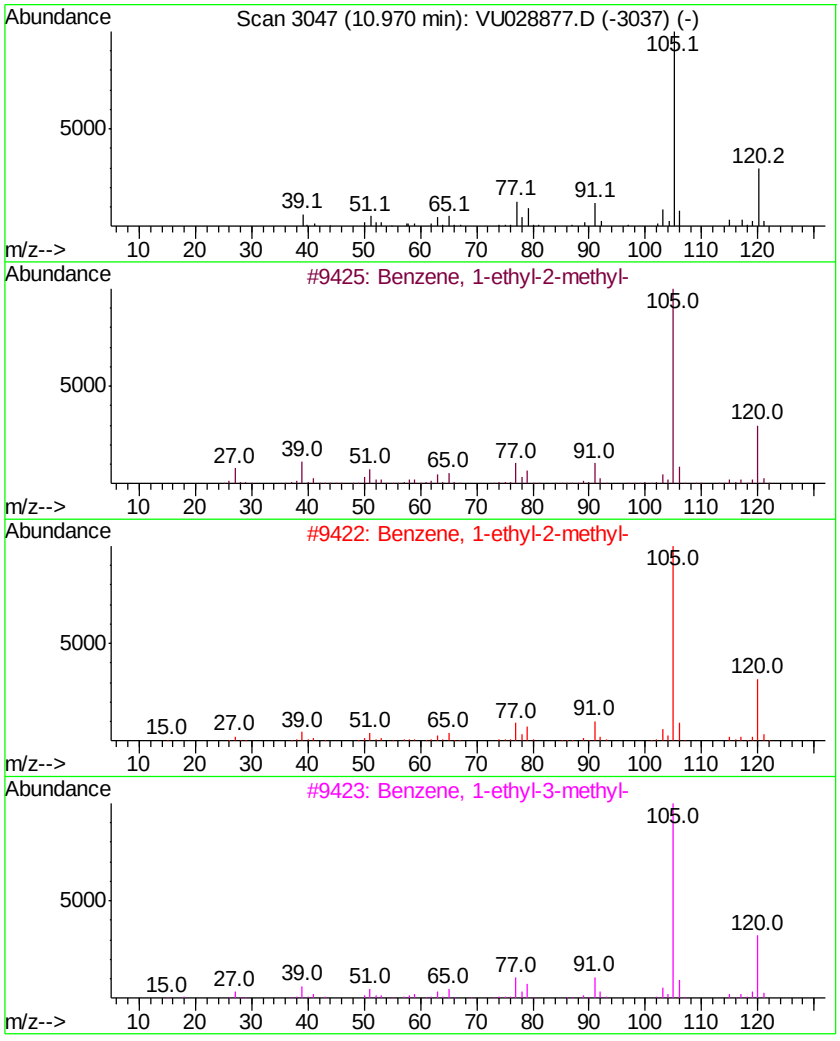
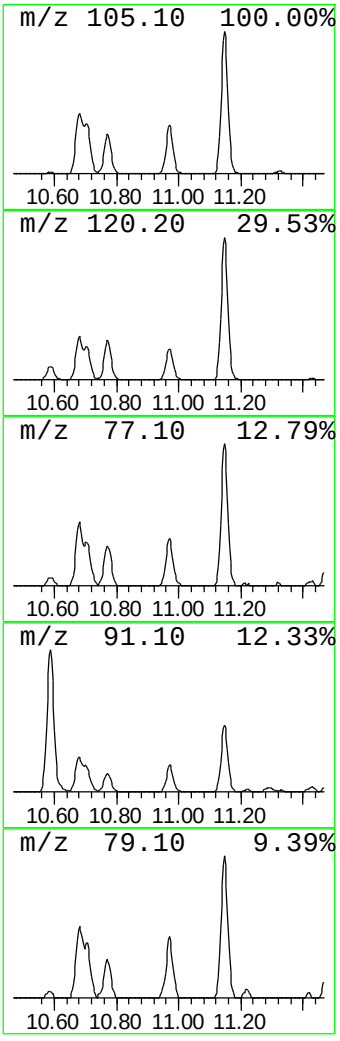
Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	7.21 ug/L	70261	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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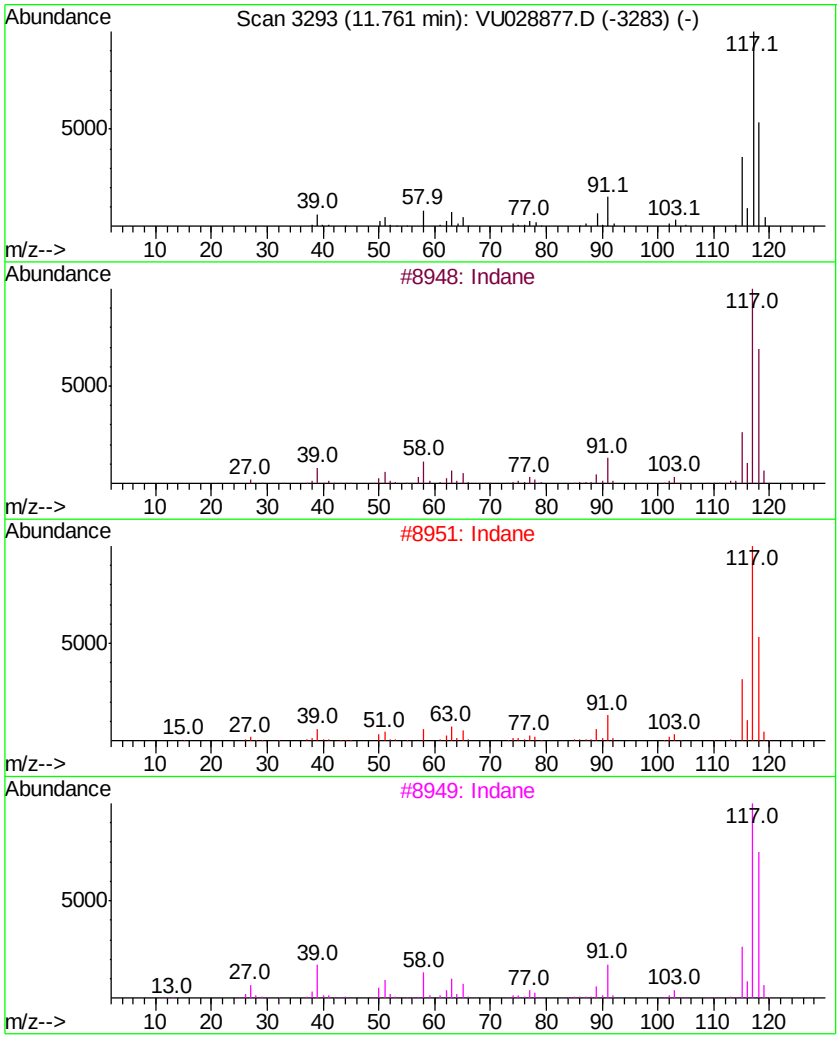
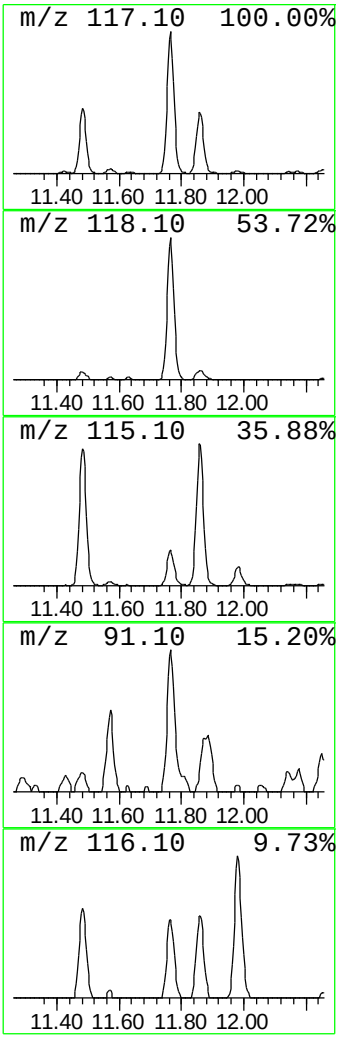
Peak Number 36 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	11.32 ug/L	110381	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	92
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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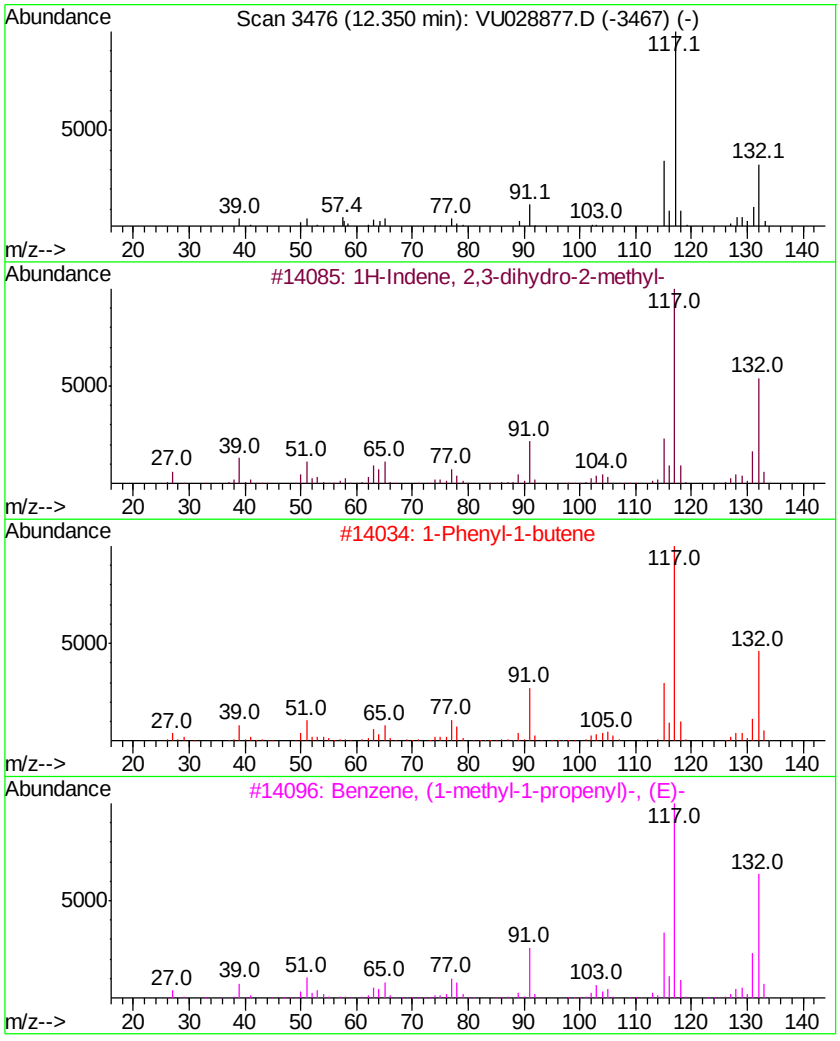
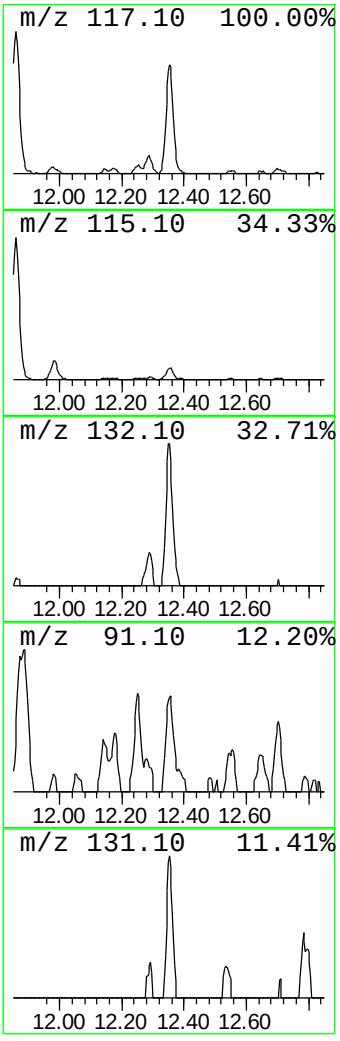
Peak Number 37 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.00 ug/L	39004	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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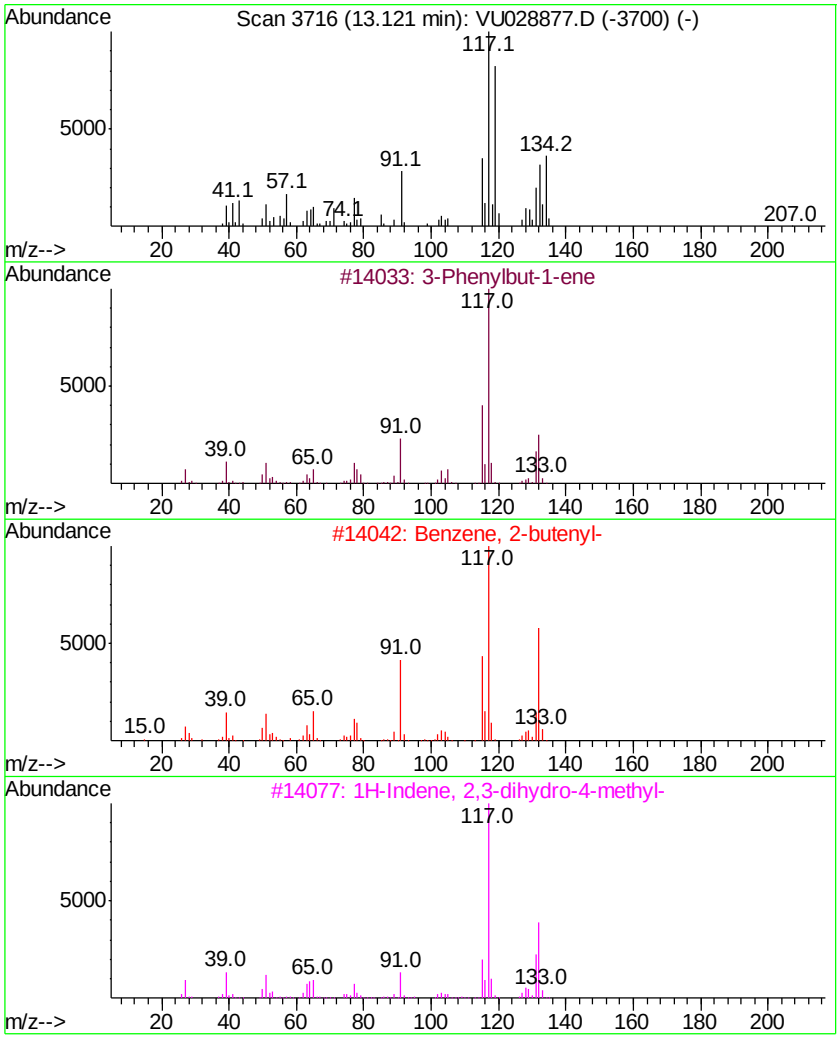
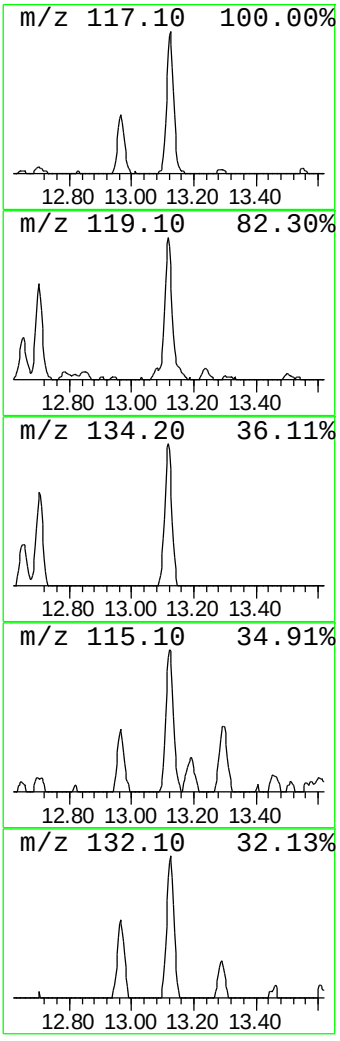
Peak Number 38 3-Phenylbut-1-ene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.57 ug/L	73812	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	49
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	49
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Data File : VU028877.D
Acq On : 21 Dec 2018 16:36
Operator : MD/SY
Sample : J6513-04DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F55DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.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...	1.45	20.7	ug/L	177443	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	1.51	10.2	ug/L	87260	1	5.88	428580	50.0
(DEL) Alkane: Str...	1.75	39.6	ug/L	339740	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	1.89	9.1	ug/L	77557	1	5.88	428580	50.0
(DEL) Alkane: Str...	1.94	61.7	ug/L	528898	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	2.04	24.4	ug/L	209156	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	2.13	8.1	ug/L	69343	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	2.18	28.0	ug/L	240332	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	2.63	2.8	ug/L	24120	1	5.88	428580	50.0
Cyclopentene	2.67	19.9	ug/L	170515	1	5.88	428580	50.0
(DEL) Alkane: Str...	2.74	7.8	ug/L	67066	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	2.79	28.2	ug/L	241677	1	5.88	428580	50.0
(DEL) Alkane: Str...	2.99	6.7	ug/L	57463	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	3.19	5.3	ug/L	45635	1	5.88	428580	50.0
(DEL) Alkane: Str...	3.30	11.8	ug/L	101326	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	3.49	3.7	ug/L	31949	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	3.55	4.1	ug/L	35488	1	5.88	428580	50.0
Cyclopentene, 3-m...	3.73	6.5	ug/L	55326	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	4.09	31.4	ug/L	269213	1	5.88	428580	50.0
Cyclopentene, 1-m...	4.77	14.7	ug/L	125659	1	5.88	428580	50.0
(DEL) Alkane: Str...	5.22	3.4	ug/L	29321	1	5.88	428580	50.0
(DEL) Alkane: Cyc...	5.62	4.2	ug/L	35883	1	5.88	428580	50.0
(DEL) Alkane: Str...	5.78	4.5	ug/L	38822	1	5.88	428580	50.0
Cyclohexene, 4-me...	6.84	4.2	ug/L	35764	1	5.88	428580	50.0
Cyclopropane, tri...	7.07	4.6	ug/L	39773	1	5.88	428580	50.0
Cyclohexene, 1-me...	7.43	6.7	ug/L	57105	1	5.88	428580	50.0
Benzene, propyl-	10.59	3.5	ug/L	34171	3	11.48	487448	50.0
Benzene, 1-ethyl-...	10.68	9.1	ug/L	88888	3	11.48	487448	50.0
Benzene, 1,2,3-tr...	10.77	6.2	ug/L	60413	3	11.48	487448	50.0
Benzene, 1-ethyl-...	10.97	7.2	ug/L	70261	3	11.48	487448	50.0
Indane	11.76	11.3	ug/L	110381	3	11.48	487448	50.0
1H-Indene, 2,3-di...	12.35	4.0	ug/L	39004	3	11.48	487448	50.0
3-Phenylbut-1-ene	13.12	7.6	ug/L	73812	3	11.48	487448	50.0