LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

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\SOMULM040519WMA.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	1.180	22	28	34	rBV	45483	44158	0.05%	0.019%
2	1.299	58	65	85	rBV	535795	575560	0.62%	0.244%
3	1.395	86	95	108	rBV2	4375234	4784080	5.19%	2.030%
4	1.511	127	131	138	rBV	13669	12472	0.01%	0.005%
5	1.675	172	182	195	rBV2	274373	384694	0.42%	0.163%
6	1.749	195	205	225	rVB	2606211	3524353	3.83%	1.495%
7	1.894	240	250	257	rBV	145103	203483	0.22%	0.086%
8	1.939	257	264	281	rVB	546660	742371	0.81%	0.315%
9	2.042	287	296	306	rBV	146730	197094	0.21%	0.084%
10	2.096	306	313	316	rVV6	8832	13862	0.02%	0.006%
11	2.132	316	324	332	rVV	68290	100020	0.11%	0.042%
12	2.180	333	339	350	rVB4	21233	33799	0.04%	0.014%
13	2.276	355	369	408	rVB	6627468	11407651	12.38%	4.840%
14	2.444	411	421	438	rVB2	37960	71668	0.08%	0.030%
15	2.640	465	482	485	rBV6	17846	35073	0.04%	0.015%
16	2.701	489	501	505	rVV	205641	392422	0.43%	0.166%
17	2.736	507	512	520	rVV	284885	514060	0.56%	0.218%
18	2.784	521	527	552	rVV3	169187	365345	0.40%	0.155%
19	2.990	573	591	618	rBV4	422394	982339	1.07%	0.417%
20	3.196	639	655	670	rVB6	17999	43888	0.05%	0.019%
21	3.296	670	686	701	rBV4	48625	106139	0.12%	0.045%
22	3.440	711	731	760	rBV	498211	1163558	1.26%	0.494%
23	3.649	785	796	802	rBV7	5076	9800	0.01%	0.004%
24	3.736	808	823	836	rBV7	13155	41319	0.04%	0.018%
25	3.990	883	902	916	rBV3	74458	207902	0.23%	0.088%
26	4.090	916	933	949	rVB2	175475	463722	0.50%	0.197%
27	4.218	949	973	1021	rBV2	34911297	86553493	93.95%	36.719%
28	4.643	1090	1105	1126	rBV2	345213	898116	0.97%	0.381%
29	4.910	1169	1188	1206	rBV	2420378	5892945	6.40%	2.500%
30	4.987	1207	1212	1224	rVV4	55141	116250	0.13%	0.049%
31	5.077	1225	1240	1267	rVB3	218630	565631	0.61%	0.240%
32	5.218	1271	1284	1298	rBV4	43731	106249	0.12%	0.045%
33	5.337	1299	1321	1329	rVV2	728997	2150864	2.33%	0.912%
34	5.386	1330	1336	1353	rVV	669361	1405525	1.53%	0.596%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

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\SOMULM040519WMA.M
Title : VOC Analysis

35	5.476	1353	1364	1369	rVV6	57494	136183	0.15%	0.058%
36	5.534	1371	1382	1400	rVV3	250120	675401	0.73%	0.287%
37	5.624	1401	1410	1425	rVB6	26133	56933	0.06%	0.024%
38	5.887	1478	1492	1528	rVV	634137	1379464	1.50%	0.585%
39	6.251	1564	1605	1626	rBV10	198344932	92126867	100.00%	39.084%
40	6.344	1629	1634	1647	rVB	659596	1259312	1.37%	0.534%
41	6.643	1722	1727	1738	rVB3	48055	80449	0.09%	0.034%
42	6.736	1746	1756	1766	rVB7	22970	47205	0.05%	0.020%
43	6.823	1775	1783	1786	rBV8	6566	10552	0.01%	0.004%
44	6.923	1799	1814	1828	rVB2	122669	262183	0.28%	0.111%
45	7.048	1840	1853	1865	rBV3	140189	298664	0.32%	0.127%
46	7.103	1866	1870	1881	rVB5	25460	39898	0.04%	0.017%
47	7.225	1897	1908	1926	rBV	310347	601513	0.65%	0.255%
48	7.369	1947	1953	1965	rVB3	27780	45922	0.05%	0.019%
49	7.527	1989	2002	2004	rBV2	235613	344205	0.37%	0.146%
50	7.562	2005	2013	2029	rVB	1119792	1958090	2.13%	0.831%
51	7.710	2046	2059	2074	rBV5	103314	248836	0.27%	0.106%
52	7.849	2091	2102	2113	rBV	210365	375397	0.41%	0.159%
53	7.913	2113	2122	2142	rVB2	185463	351747	0.38%	0.149%
54	8.045	2150	2163	2187	rVB3	173304	375512	0.41%	0.159%
55	8.160	2187	2199	2208	rBV	148093	267301	0.29%	0.113%
56	8.225	2208	2219	2235	rVV	1056573	1788283	1.94%	0.759%
57	8.308	2235	2245	2283	rVB	688780	1333238	1.45%	0.566%
58	8.485	2289	2300	2308	rBV4	104351	187515	0.20%	0.080%
59	8.543	2308	2318	2329	rVV2	192846	323350	0.35%	0.137%
60	8.601	2329	2336	2345	rVB4	29189	43950	0.05%	0.019%
61	8.755	2381	2384	2392	rVB7	4287	4788	0.01%	0.002%
62	8.842	2403	2411	2422	rBV8	15675	29580	0.03%	0.013%
63	8.897	2426	2428	2438	rVB6	7324	8633	0.01%	0.004%
64	9.025	2457	2468	2476	rBV	42767	76818	0.08%	0.033%
65	9.086	2476	2487	2506	rVV	1017066	1691095	1.84%	0.717%
66	9.180	2507	2516	2528	rVB3	65496	130256	0.14%	0.055%
67	9.250	2528	2538	2550	rBV9	16538	35650	0.04%	0.015%
68	9.331	2550	2563	2568	rBV2	44615	82654	0.09%	0.035%
69	9.440	2590	2597	2623	rVB	53813	111204	0.12%	0.047%
70	9.566	2628	2636	2647	rVB7	8963	15633	0.02%	0.007%
71	9.649	2655	2662	2671	rBV7	4315	8047	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

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\SOMULM040519WMA.M
Title : VOC Analysis

72	9.717	2673	2683	2686	rBV9	9769	15382	0.02%	0.007%
73	9.781	2699	2703	2718	rVB6	12996	23923	0.03%	0.010%
74	9.951	2747	2756	2768	rVB8	11553	19586	0.02%	0.008%
75	10.041	2775	2784	2802	rVB8	11168	24490	0.03%	0.010%
76	10.164	2803	2822	2833	rBV	151841	265204	0.29%	0.113%
77	10.218	2833	2839	2852	rVB3	18567	32251	0.04%	0.014%
78	10.427	2892	2904	2922	rBV	676092	1076656	1.17%	0.457%
79	10.537	2935	2938	2944	rVB5	2576	2226	0.00%	0.001%
80	10.594	2950	2956	2961	rBV9	5180	6748	0.01%	0.003%
81	11.147	3122	3128	3133	rVV7	3743	4247	0.00%	0.002%
82	11.192	3133	3142	3152	rVB4	24283	39811	0.04%	0.017%
83	11.289	3164	3172	3176	rBV2	11734	16734	0.02%	0.007%
84	11.321	3176	3182	3192	rVB2	21575	35310	0.04%	0.015%
85	11.427	3210	3215	3220	rVB7	3150	3520	0.00%	0.001%
86	11.479	3220	3231	3252	rBV	948485	1548417	1.68%	0.657%
87	11.569	3252	3259	3269	rVV2	21091	34758	0.04%	0.015%
88	11.684	3289	3295	3306	rVB9	4518	8370	0.01%	0.004%
89	11.765	3311	3320	3322	rBV5	10490	13062	0.01%	0.006%
90	11.858	3336	3349	3367	rBV	865735	1440485	1.56%	0.611%
91	11.987	3387	3389	3398	rVB8	2286	2186	0.00%	0.001%
92	12.057	3402	3411	3422	rVB4	14441	24855	0.03%	0.011%
93	12.356	3495	3504	3520	rVV4	29857	63128	0.07%	0.027%
94	12.491	3535	3546	3548	rBV8	5369	7734	0.01%	0.003%
95	12.649	3591	3595	3599	rBV4	2886	2460	0.00%	0.001%
96	13.122	3735	3742	3753	rVB9	5745	9445	0.01%	0.004%
97	13.186	3755	3762	3769	rVV10	3053	5415	0.01%	0.002%
98	13.459	3840	3847	3850	rBV6	1971	2209	0.00%	0.001%
99	13.749	3923	3937	3949	rBV2	28700	63921	0.07%	0.027%
100	16.305	4726	4732	4736	rBV7	2237	3219	0.00%	0.001%

Sum of corrected areas: 235717985

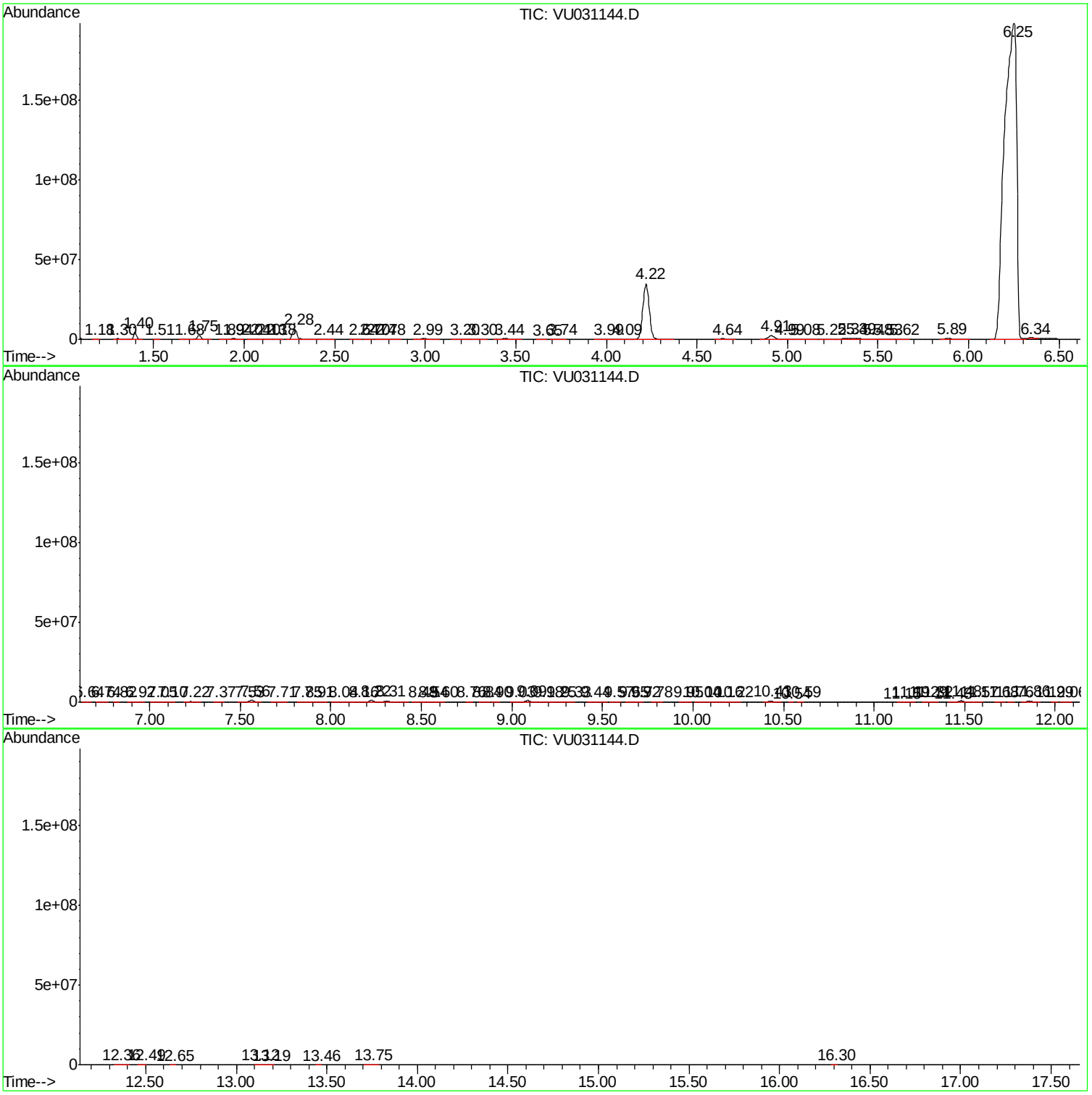
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

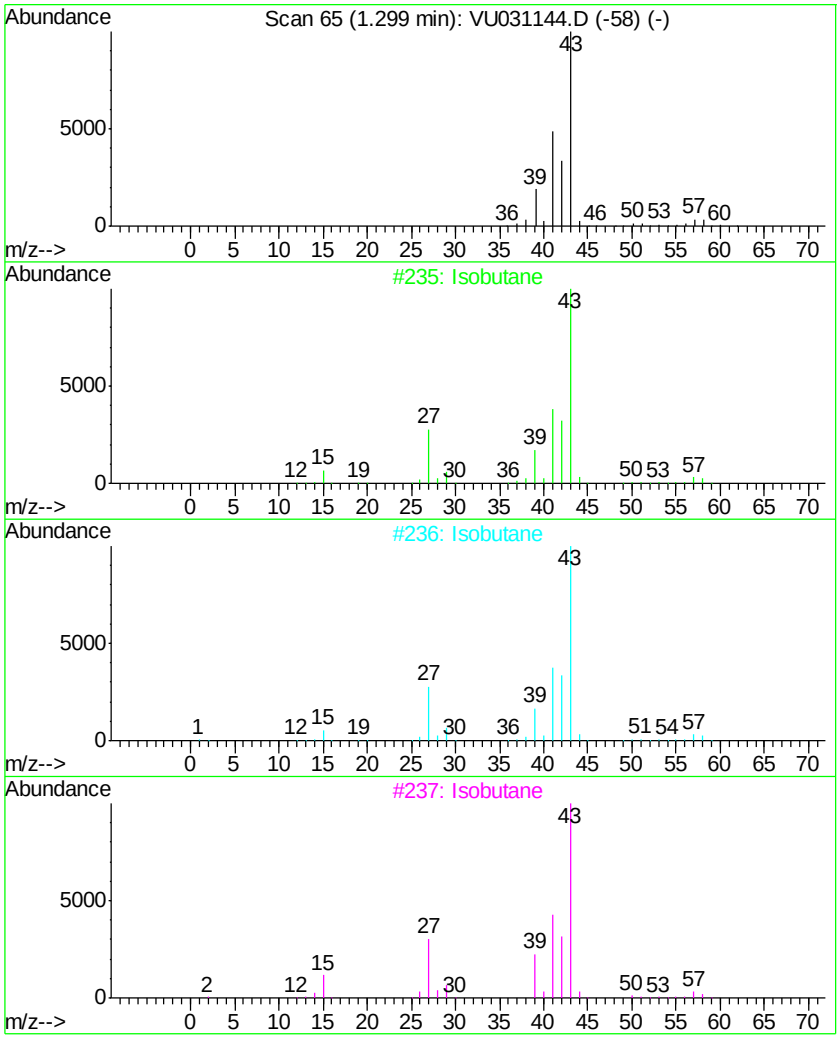
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

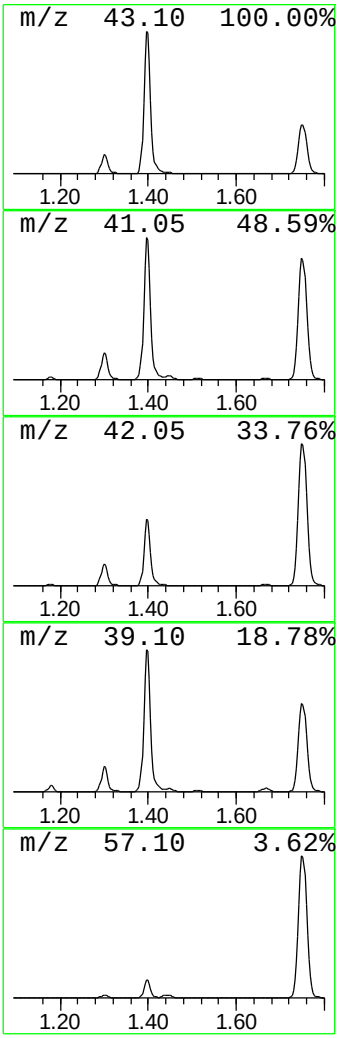
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	20.86 ug/L	575560	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	53
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

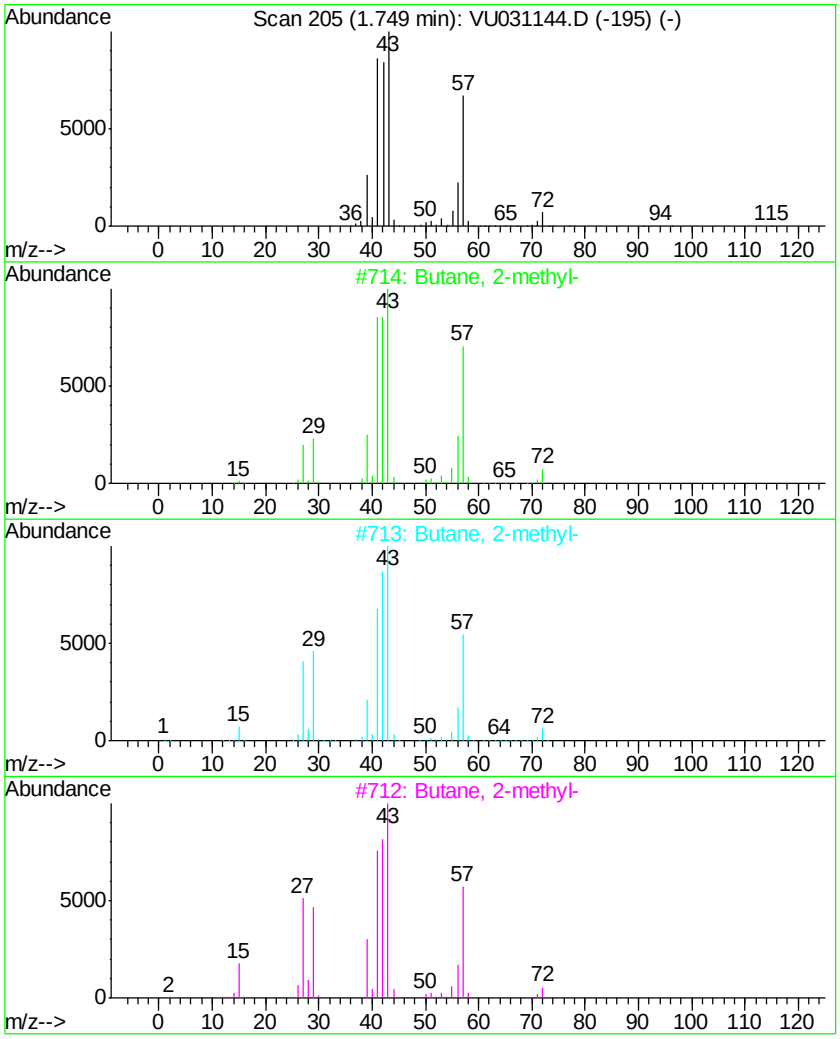
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

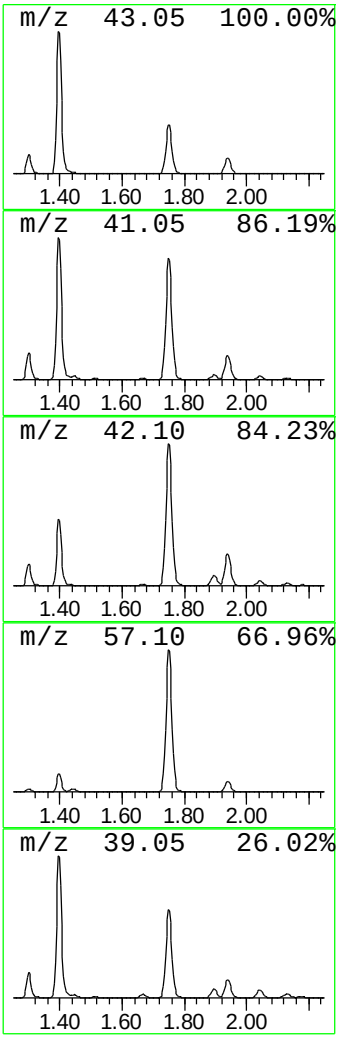
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	127.74 ug/L	3524350	1,4-Difluorobenzene	5.89

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	Pentane	72	C5H12	000109-66-0	50
5	Azetidine	57	C3H7N	000503-29-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

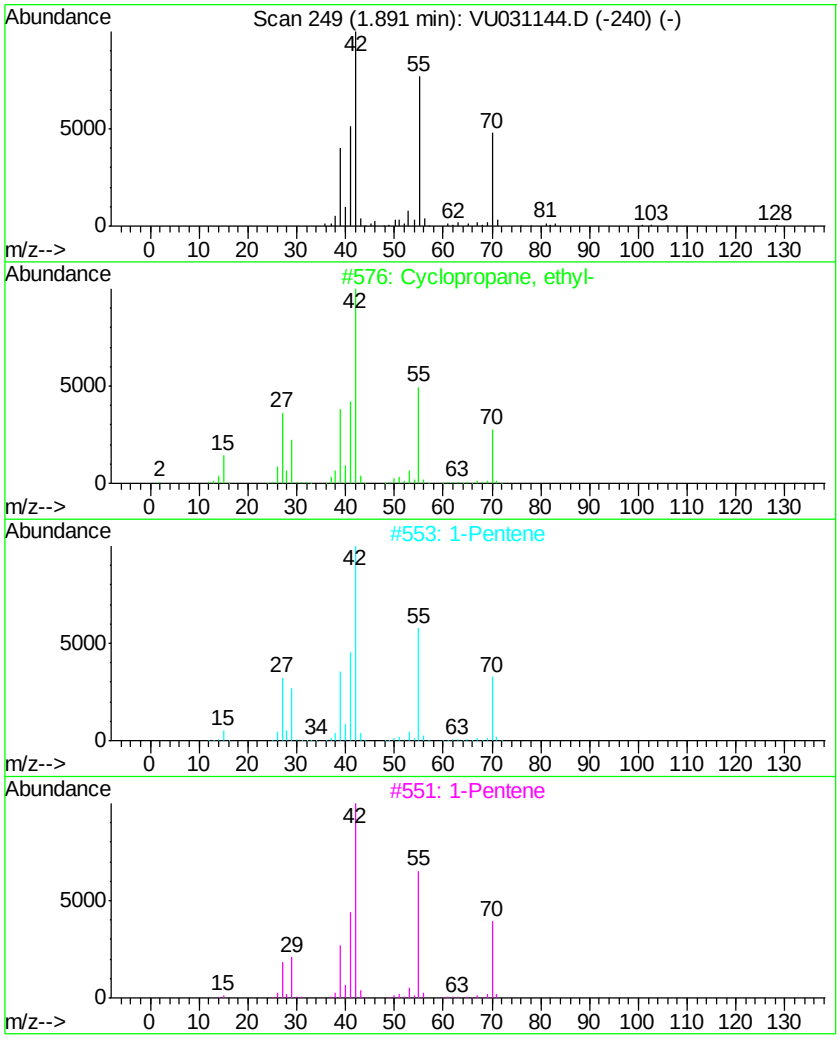
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

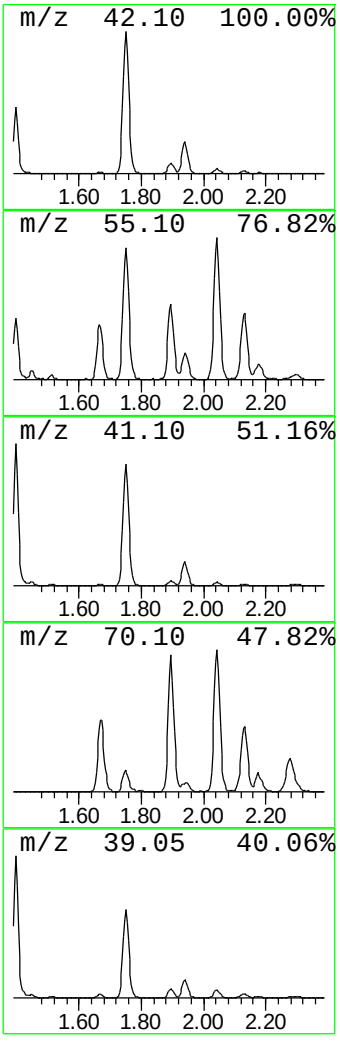
****

Peak Number 3 (DEL) Alkane: Cyclic1.89 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.89	7.38 ug/L	203483	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
2	1-Pentene	70	C5H10	000109-67-1	76
3	1-Pentene	70	C5H10	000109-67-1	74
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	68
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

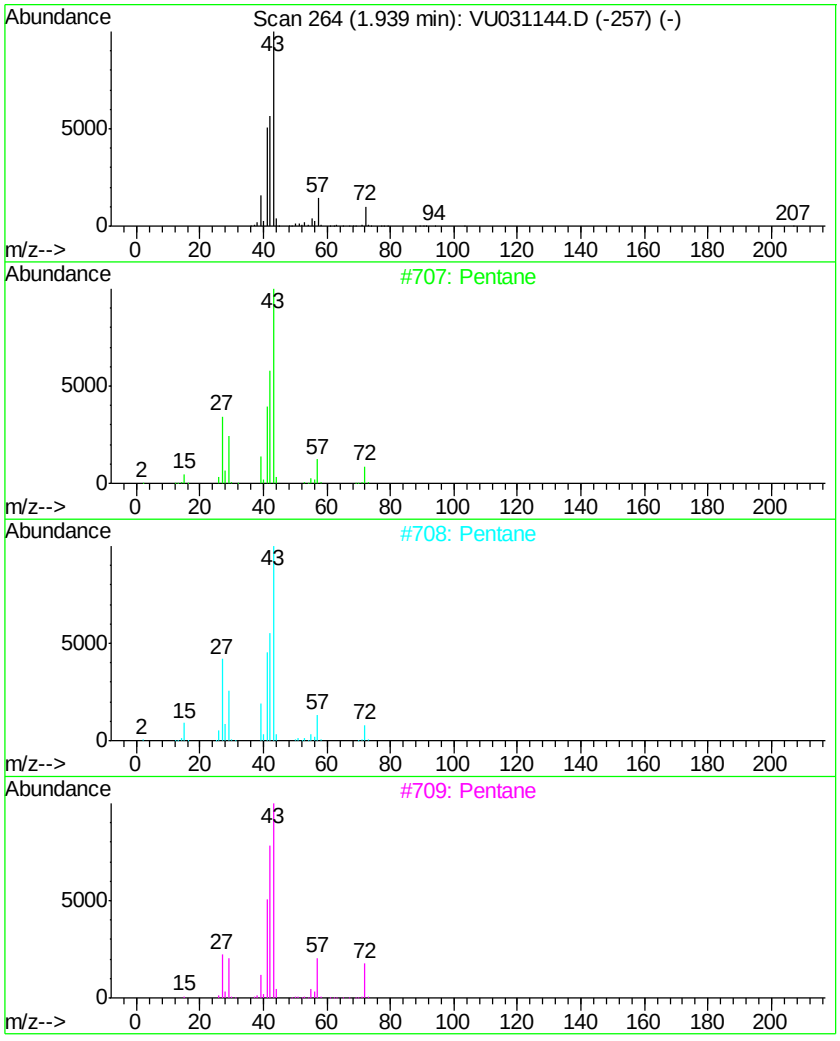
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

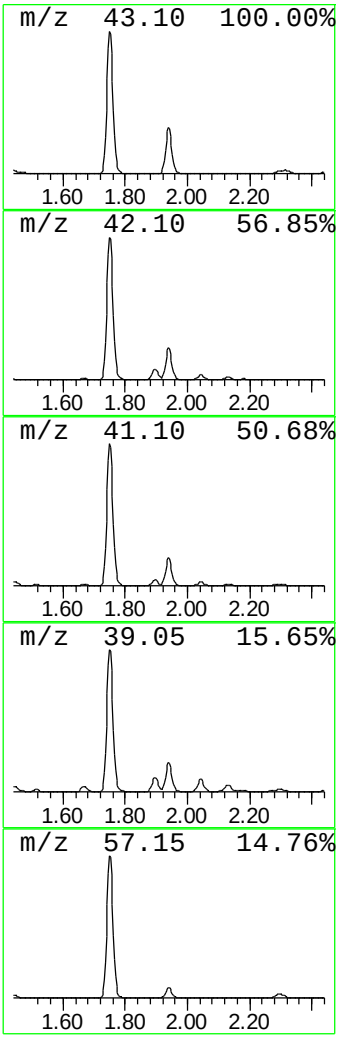
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	26.91 ug/L	742371	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	64
4	Pentane	72	C5H12	000109-66-0	52
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

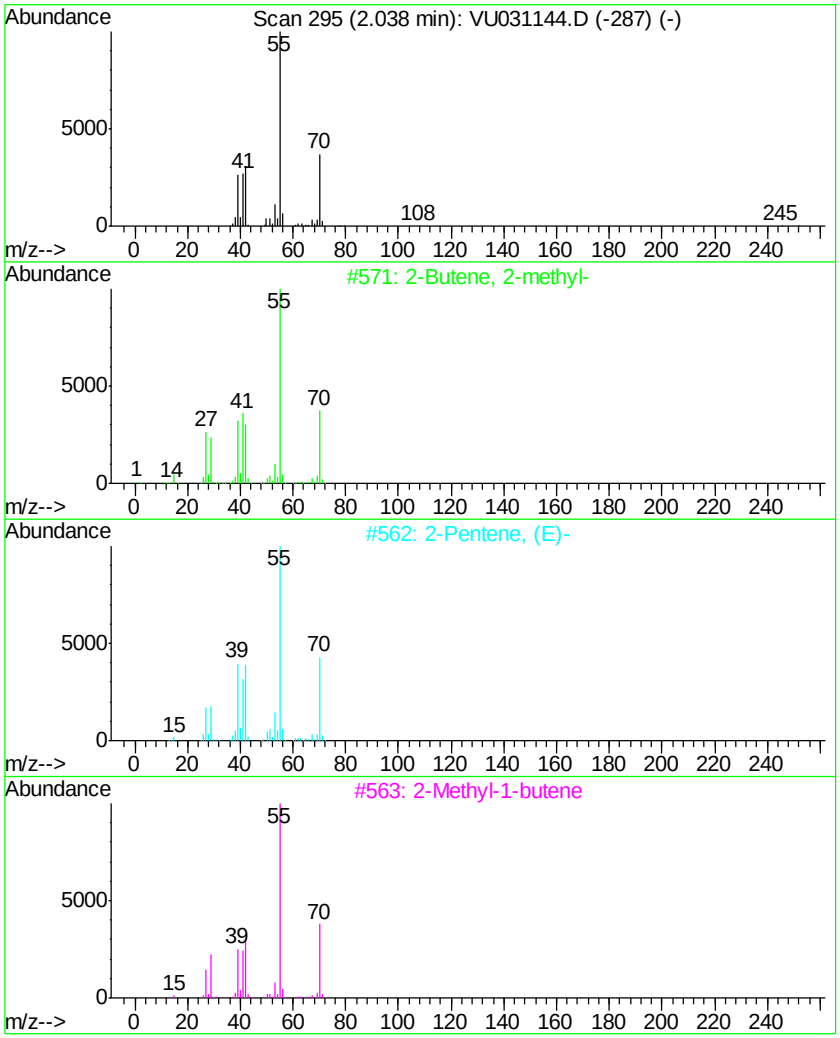
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

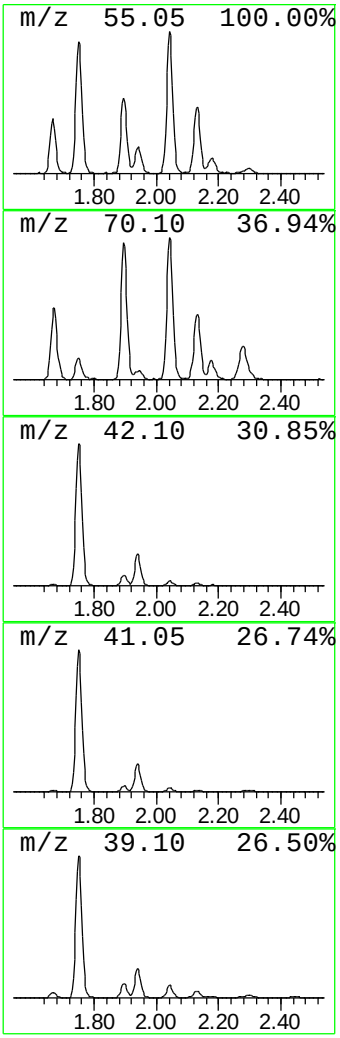
****

Peak Number 5 (DEL) Alkane: Cyclic2.04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	7.14 ug/L	197094	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2	2-Pentene, (E)-	70	C5H10	000646-04-8	90
3	2-Methyl-1-butene	70	C5H10	000563-46-2	90
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Pentene	70	C5H10	000109-68-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

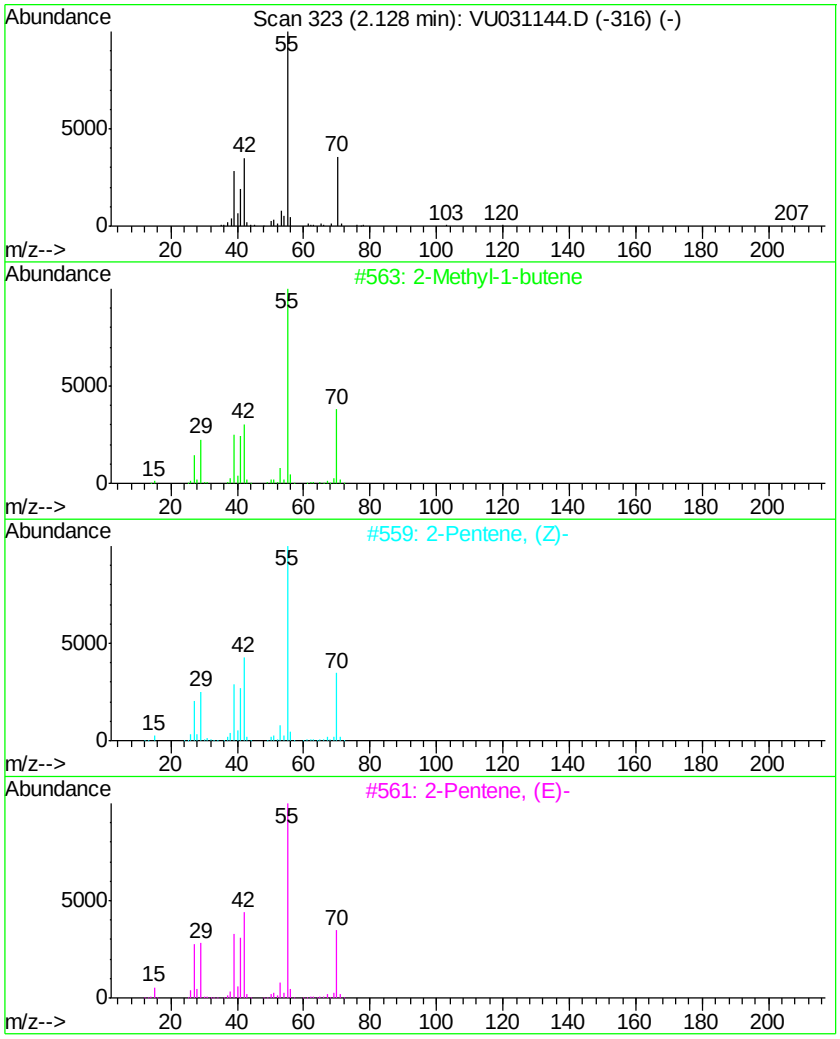
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

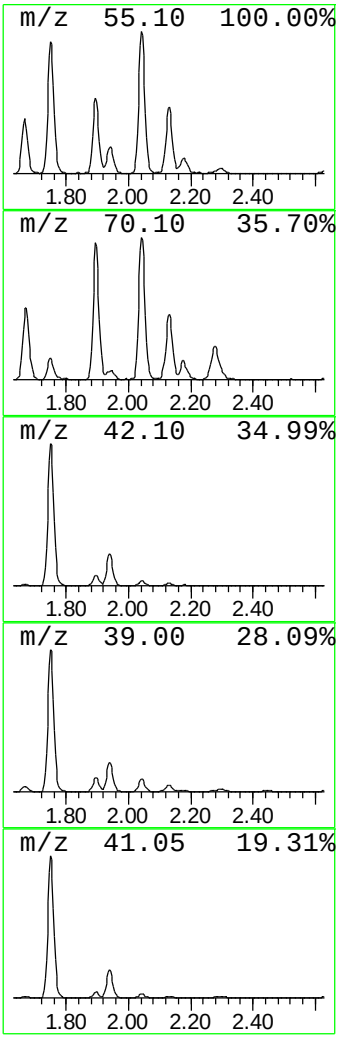
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic2.13 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	3.63 ug/L	100020	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	83
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	2-Pentene, (E)-	70	C5H10	000646-04-8	80
4	2-Pentene	70	C5H10	000109-68-2	80
5	2-Pentene, (E)-	70	C5H10	000646-04-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

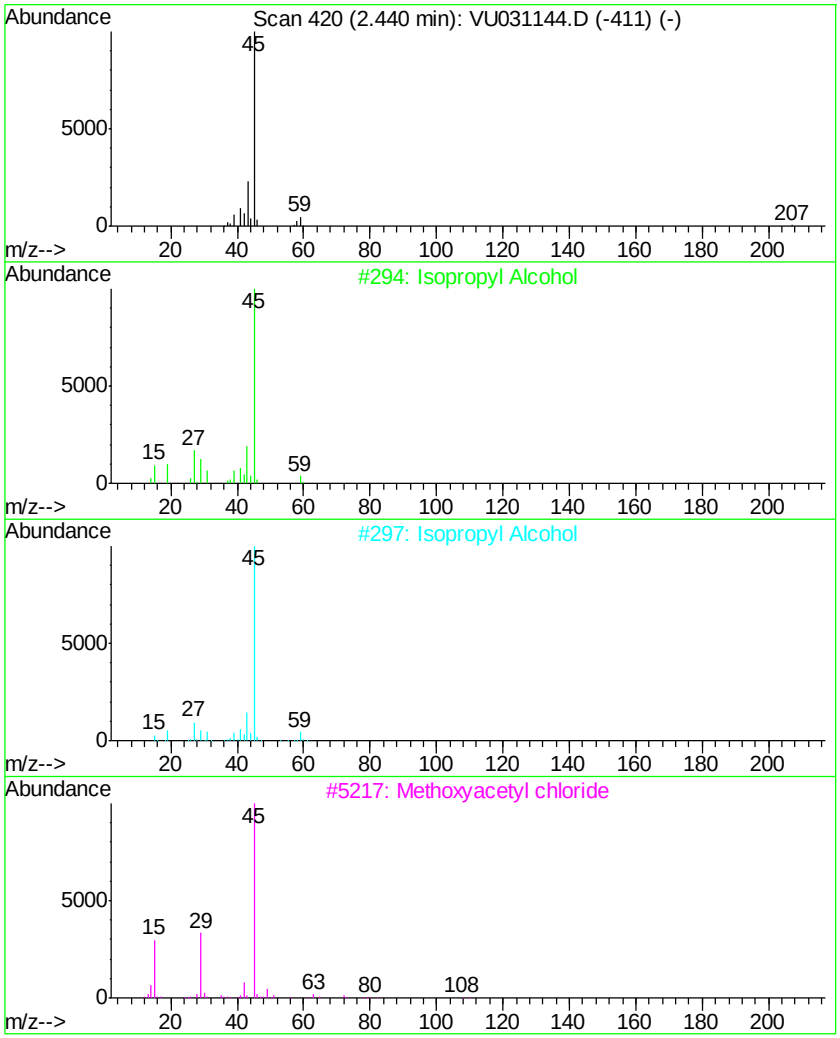
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

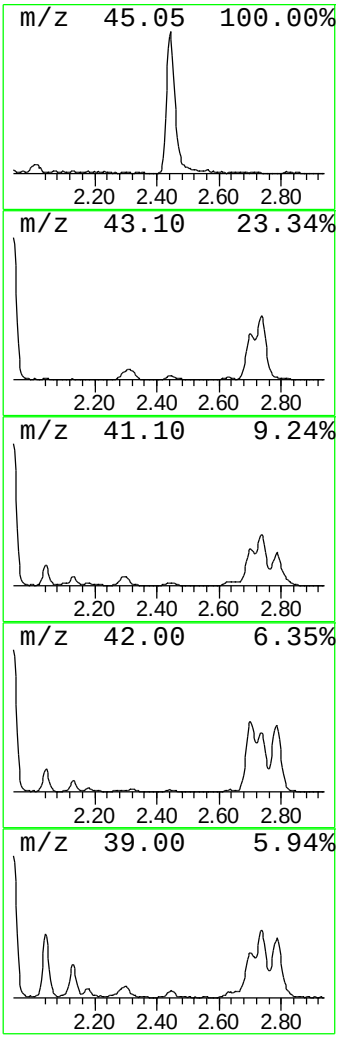
****

Peak Number 7 Isopropyl Alcohol Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	2.60 ug/L	71668	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
3	Methoxyacetyl chloride	108	C3H5ClO2	038870-89-2	4
4	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	4
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

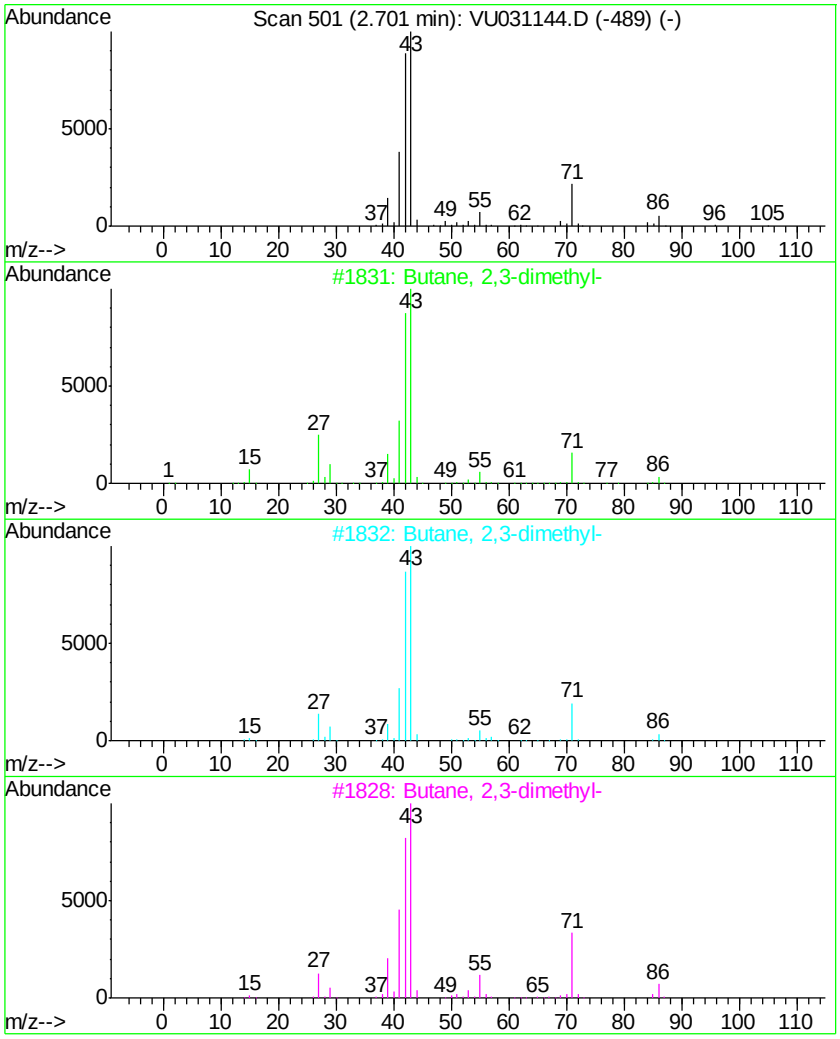
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

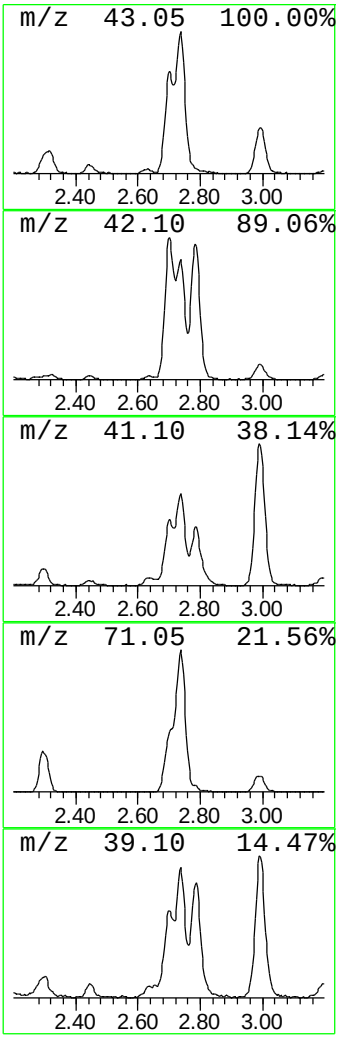
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	14.22 ug/L	392422	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

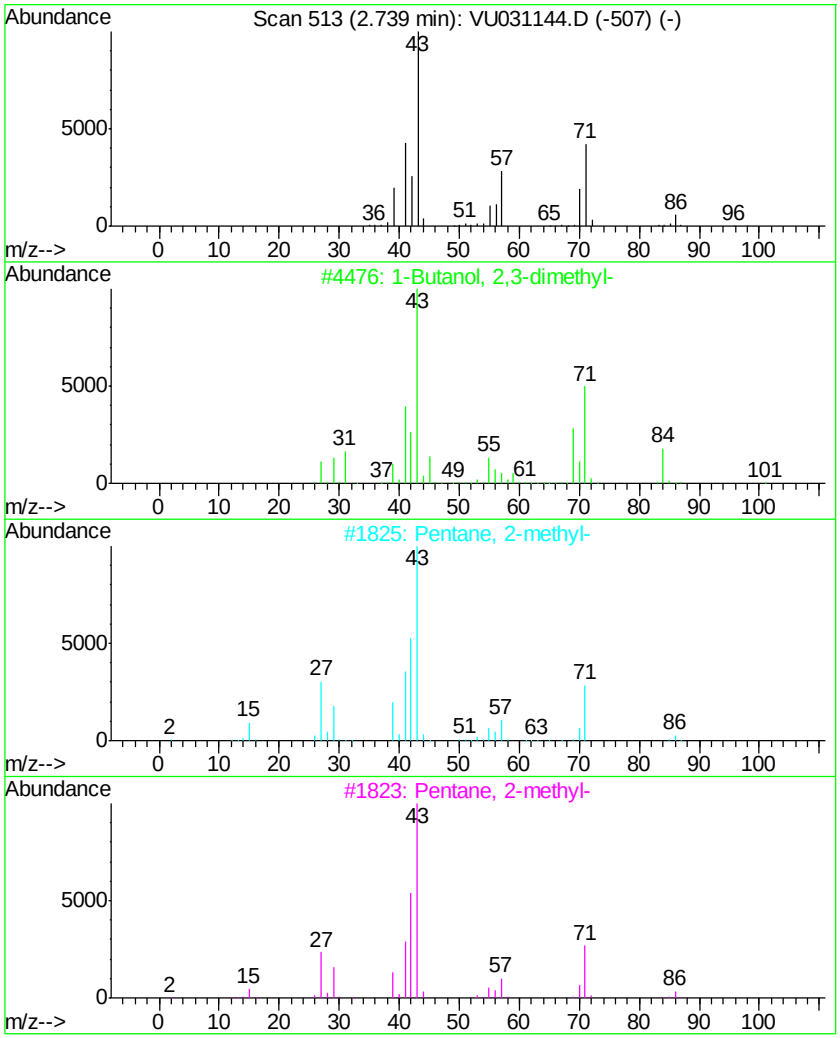
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

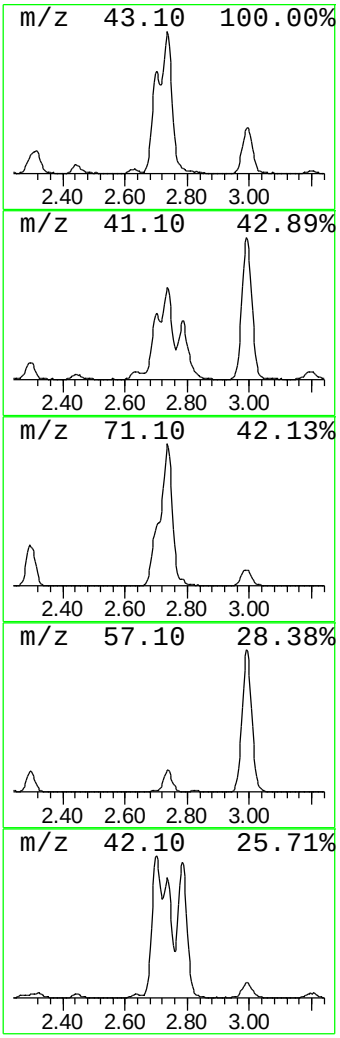
****

Peak Number 9 1-Butanol, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	18.63 ug/L	514060	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	64
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
5	Pyrrolidine	71	C4H9N	000123-75-1	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

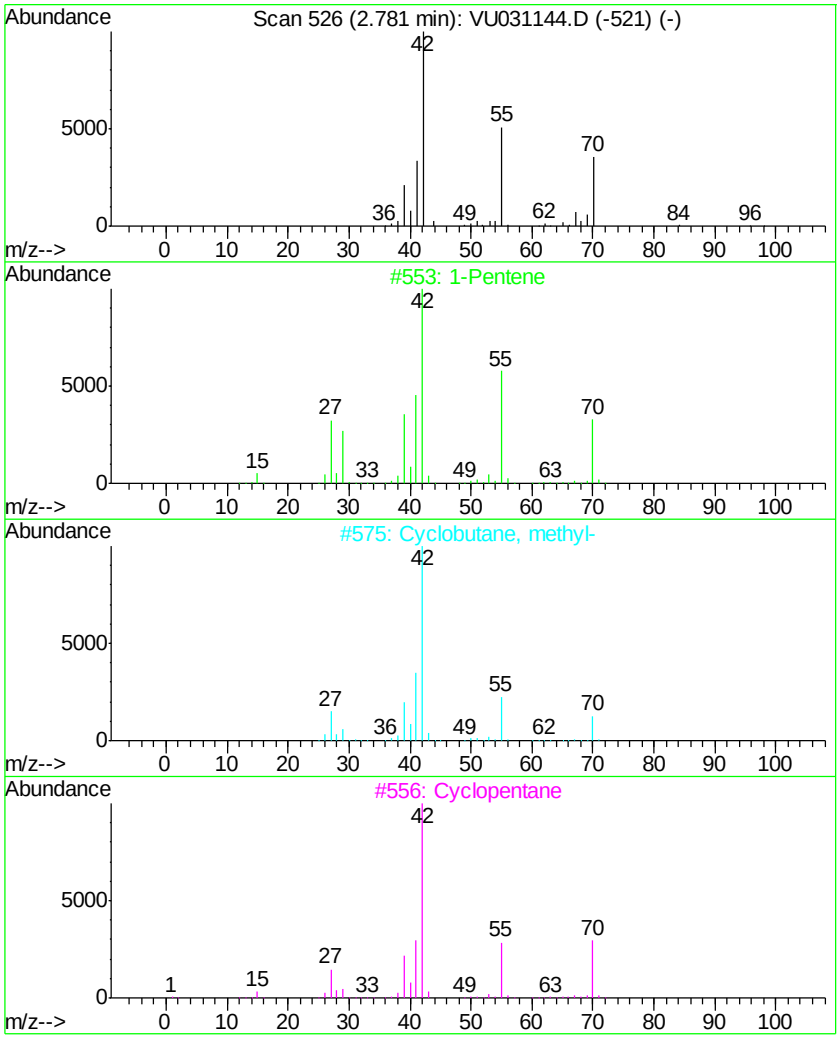
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

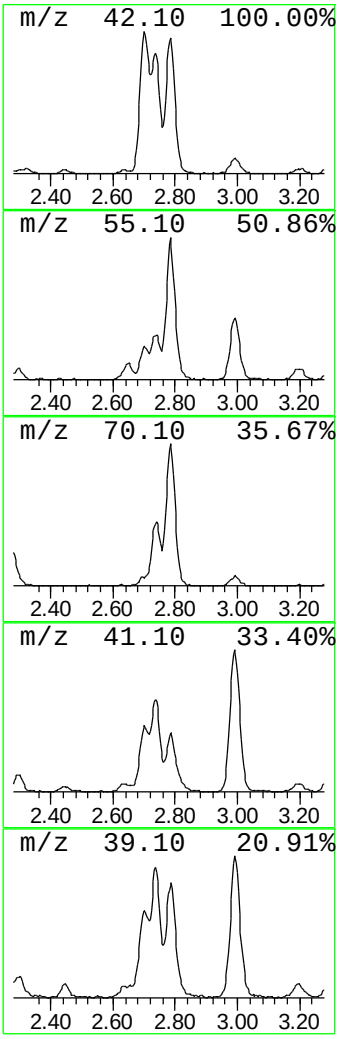
****

Peak Number 10 (DEL) Alkane: Cyclic2.78 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	13.24 ug/L	365345	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	Cyclopentane	70	C5H10	000287-92-3	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
5	Cyclopentane	70	C5H10	000287-92-3	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

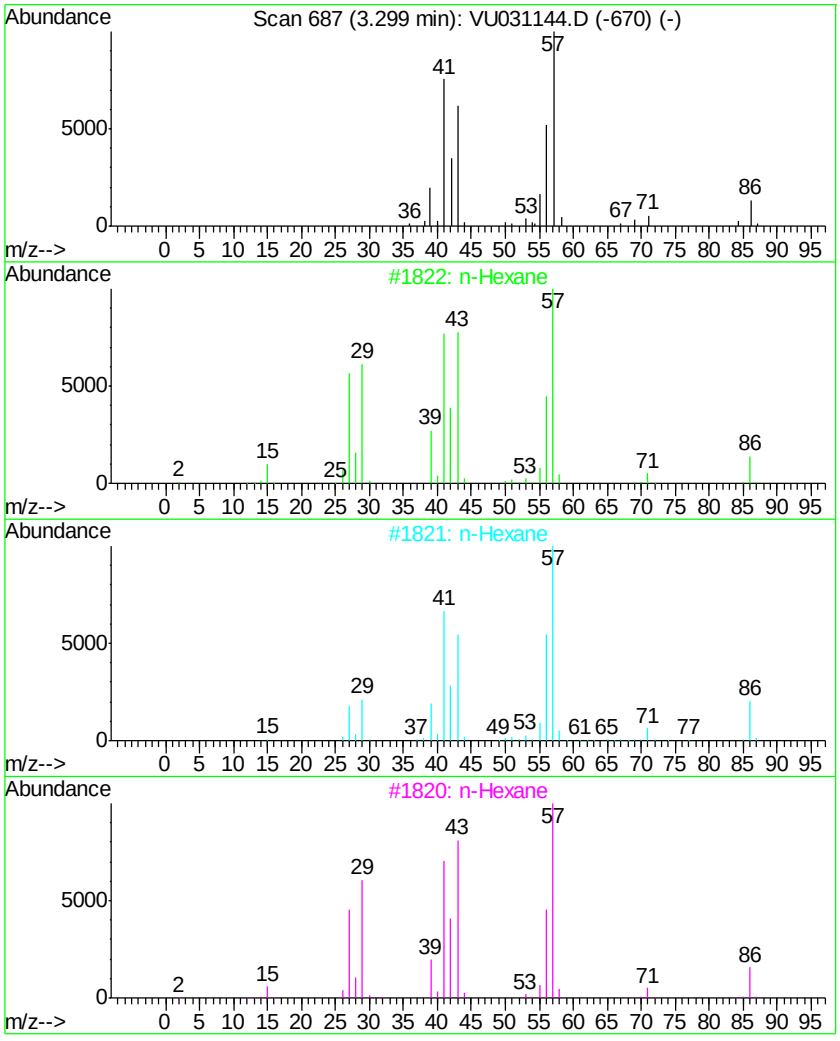
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

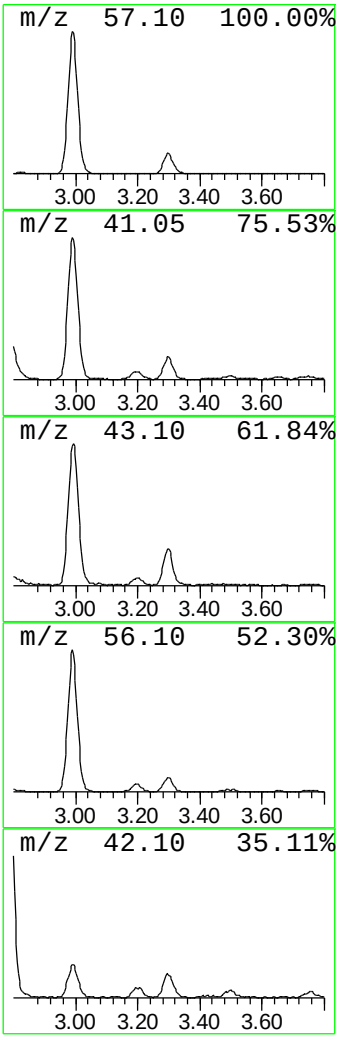
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	3.85 ug/L	106139	1,4-Difluorobenzene	5.89

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	90
3	n-Hexane	86	C6H14	000110-54-3	86
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
5	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

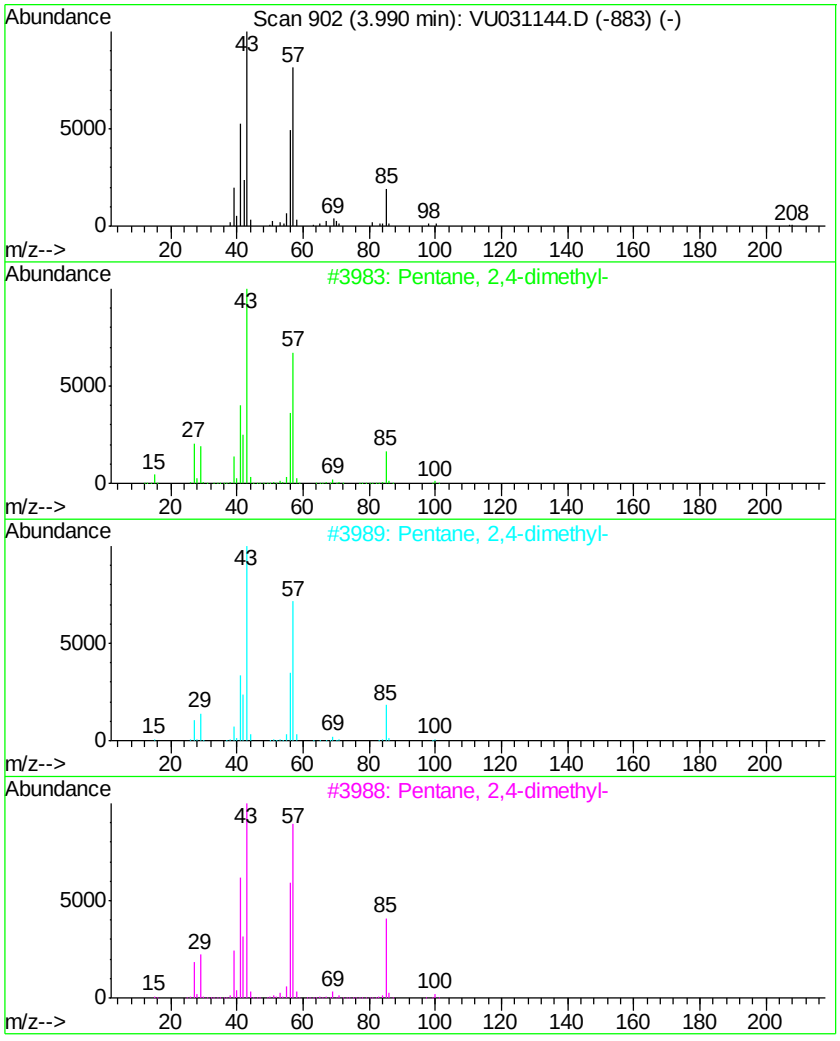
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

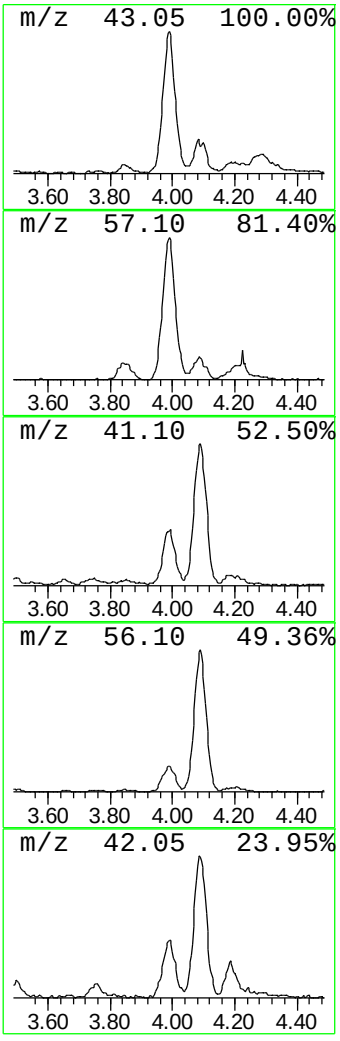
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	7.54 ug/L	207902	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	81
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
5	n-Hexane	86	C6H14	000110-54-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

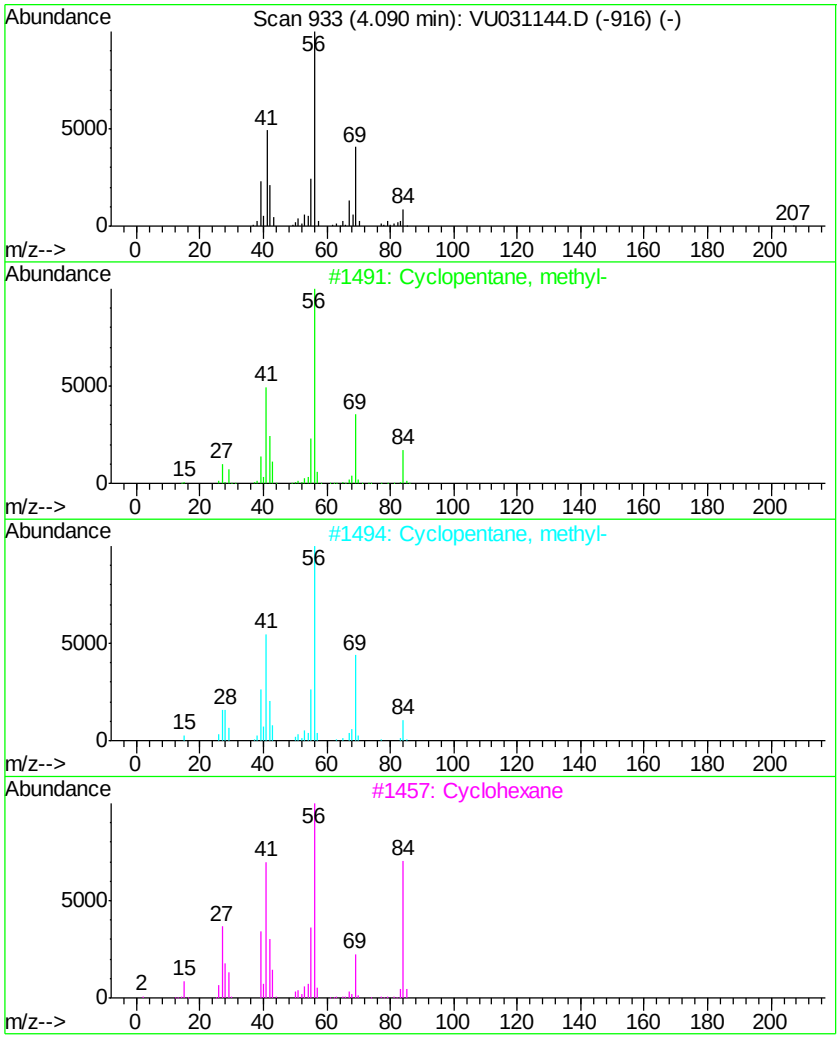
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

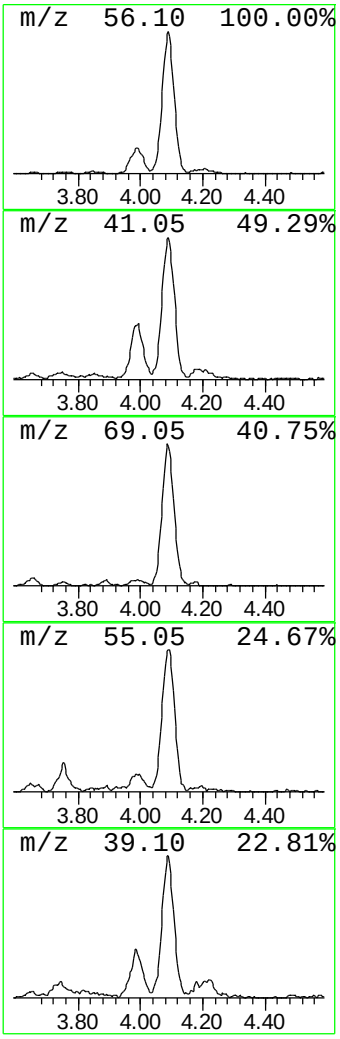
****

Peak Number 13 (DEL) Alkane: Cyclic4.09 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	16.81 ug/L	463722	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	Cyclohexane	84	C6H12	000110-82-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

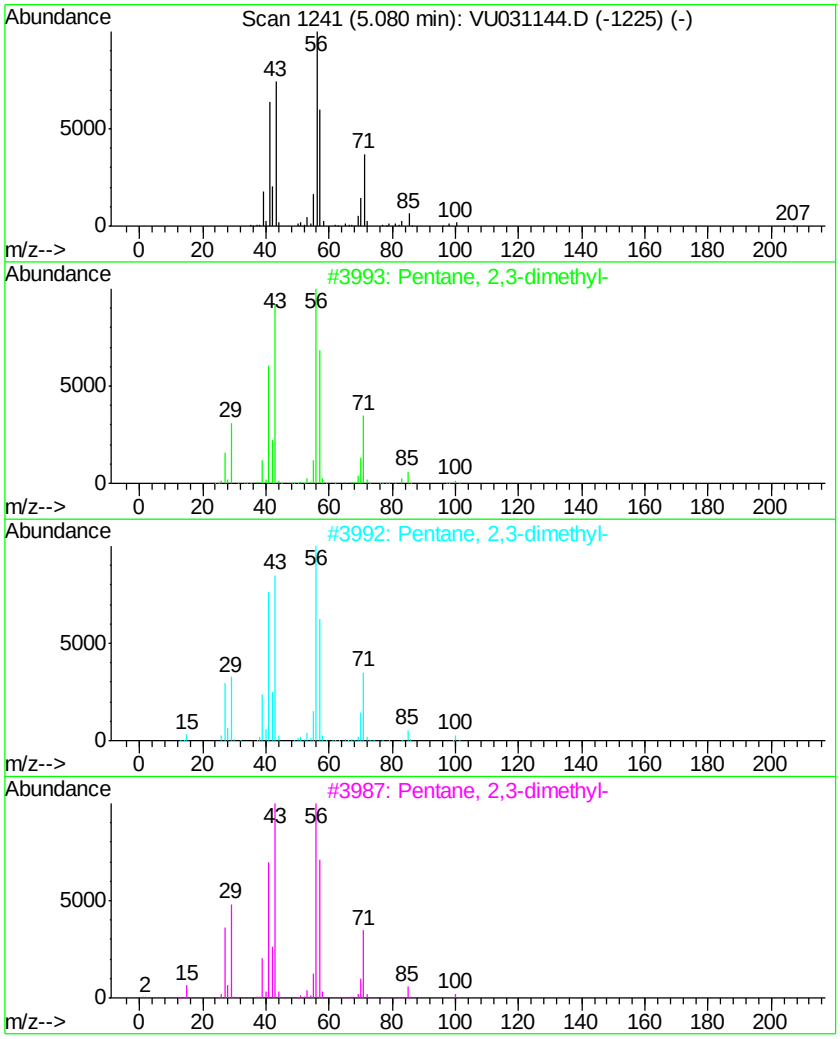
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

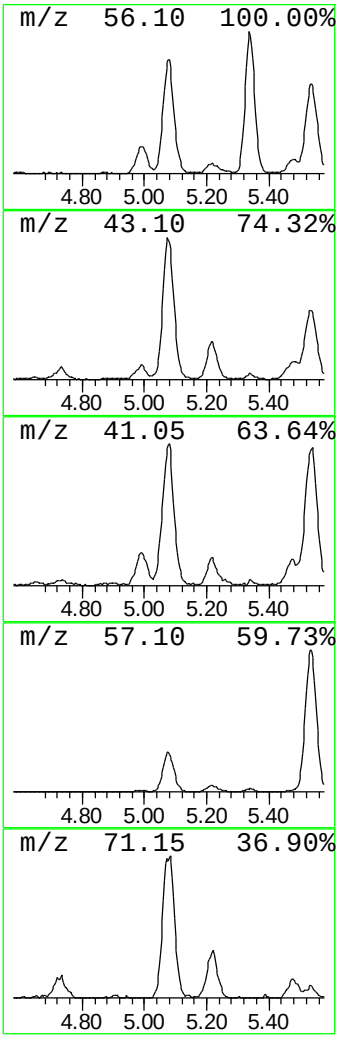
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	20.50 ug/L	565631	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

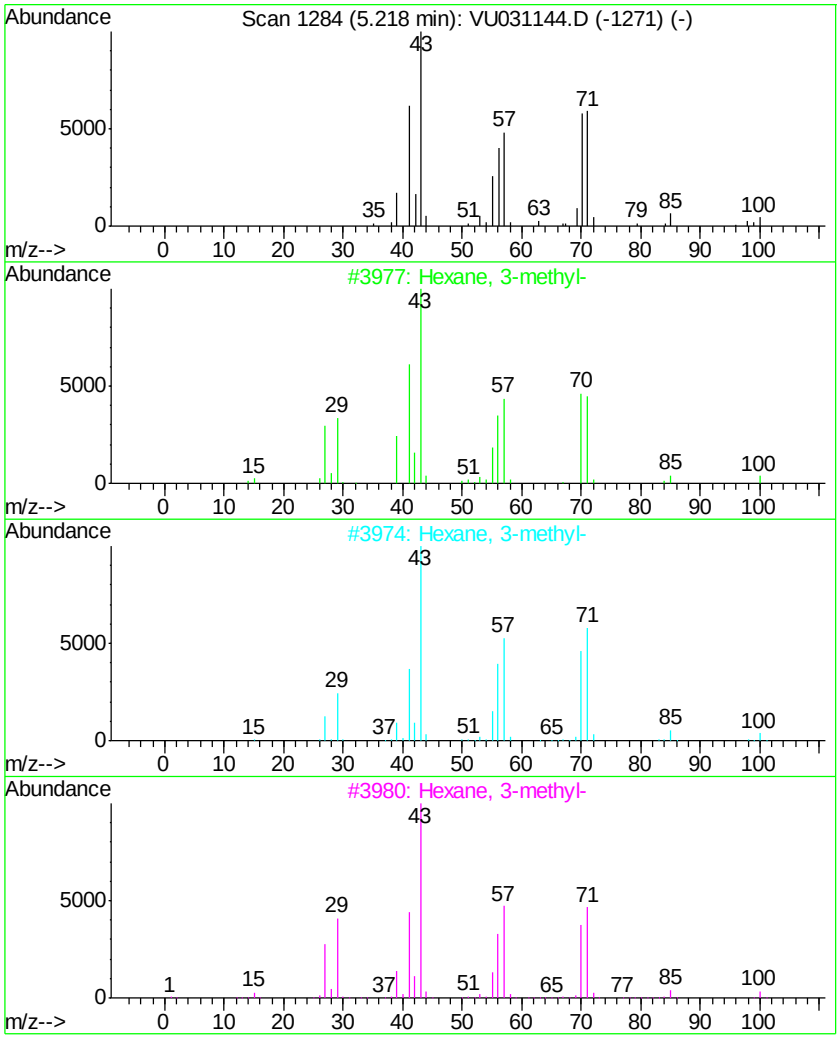
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

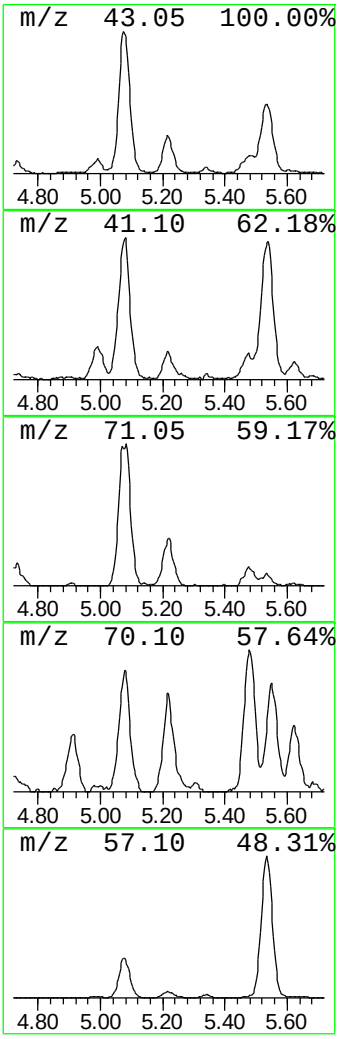
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	3.85 ug/L	106249	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	74
4	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

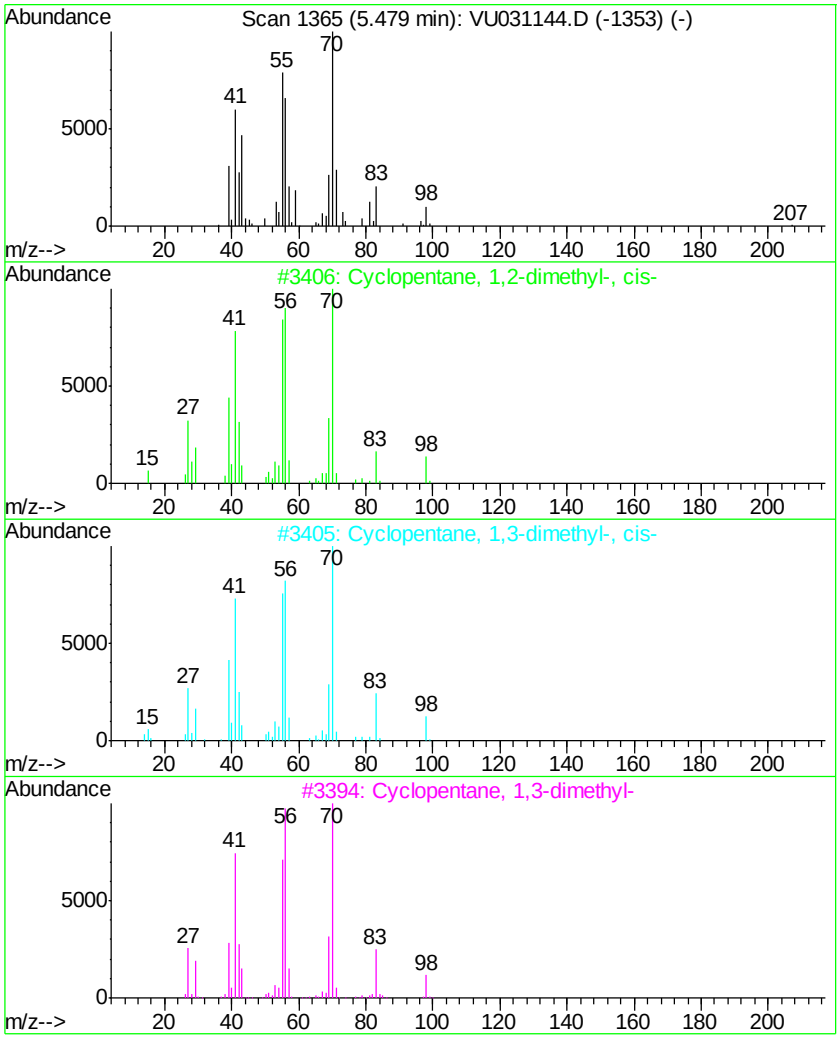
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

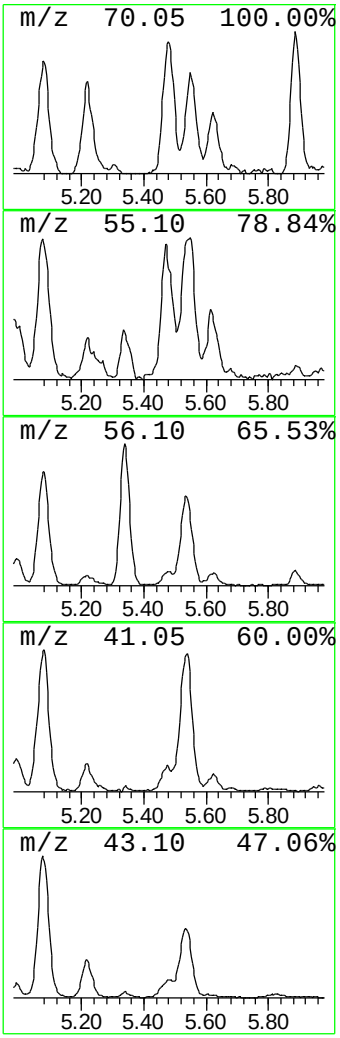
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic5.48 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	4.94 ug/L	136183	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	68
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	58
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

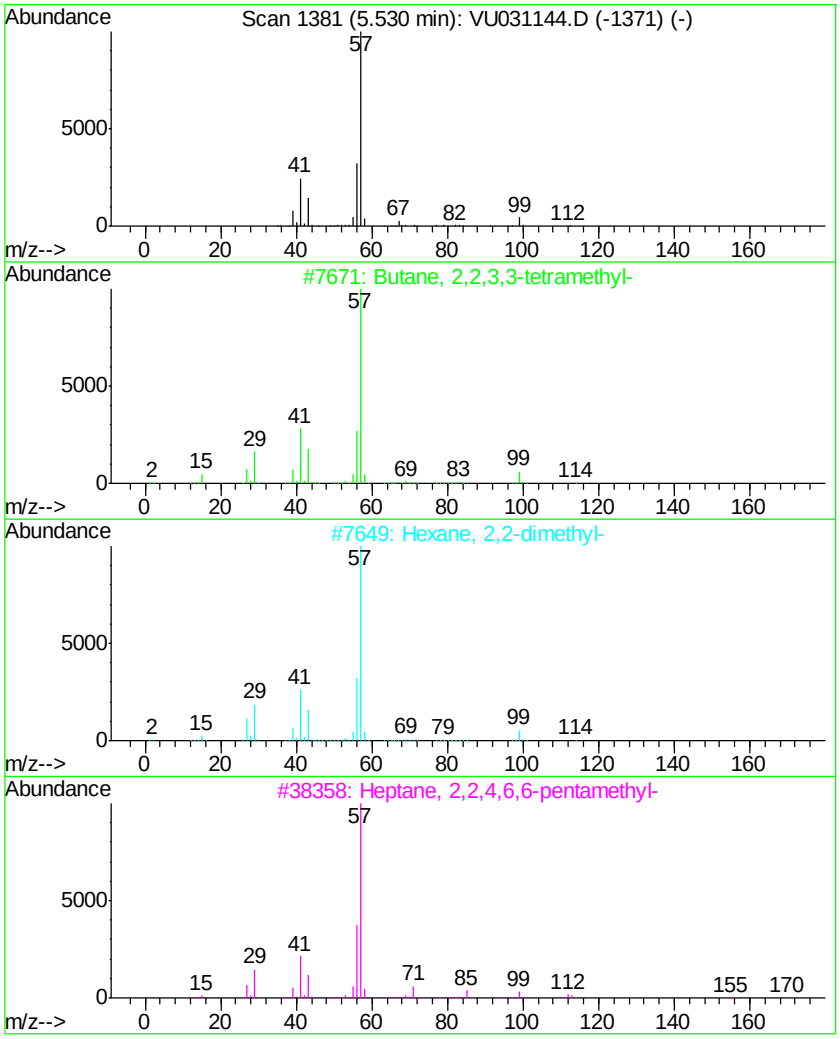
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

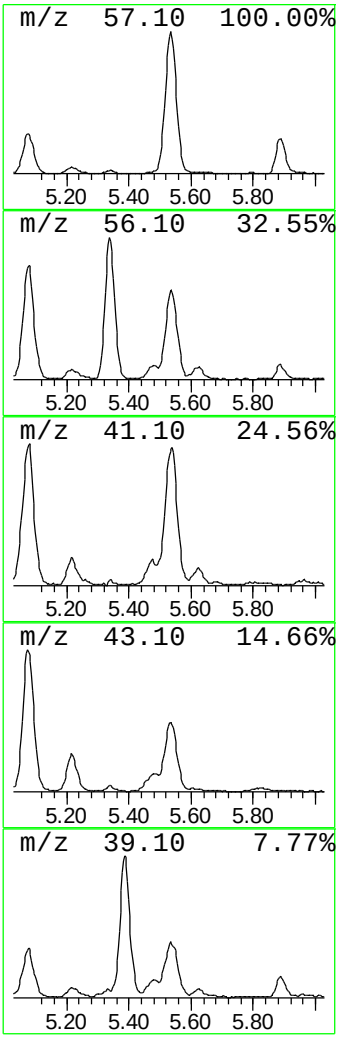
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	24.48 ug/L	675401	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

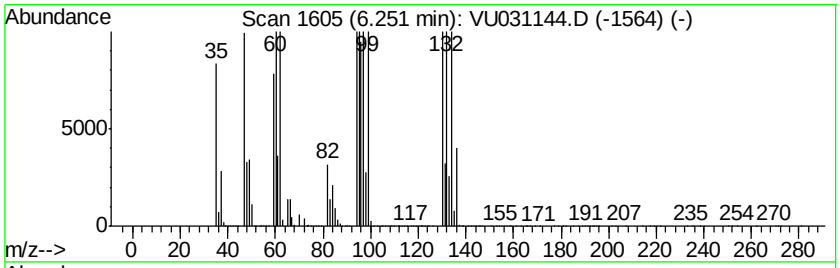
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

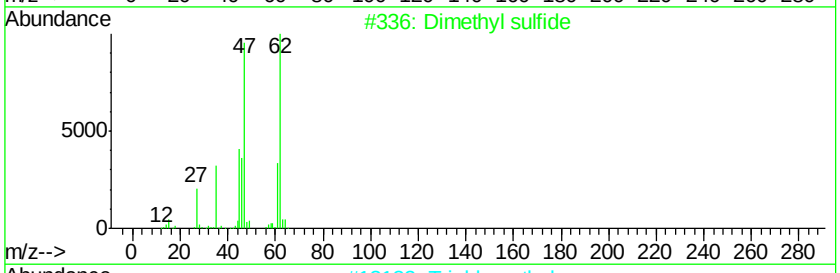
****

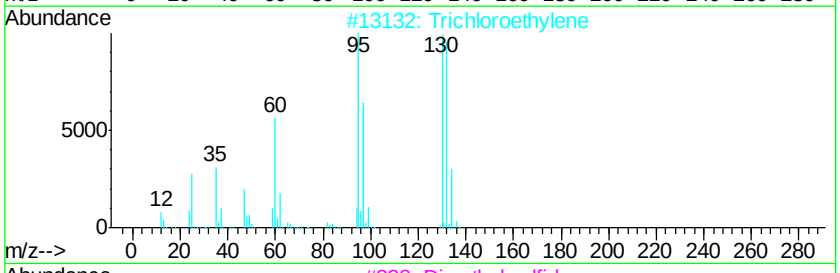
Peak Number 18 unknown-01 Concentration Rank 1

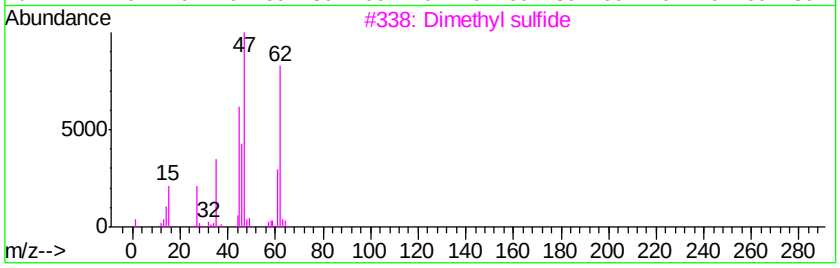
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	3339.23 ug/L	92126900	1,4-Difluorobenzene	5.89

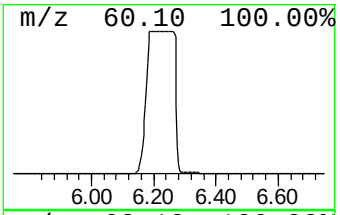
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	43
2	Trichloroethylene	130	C2HCl3	000079-01-6	43
3	Dimethyl sulfide	62	C2H6S	000075-18-3	22
4	Trichloroethylene	130	C2HCl3	000079-01-6	14
5	Trichloroethylene	130	C2HCl3	000079-01-6	14

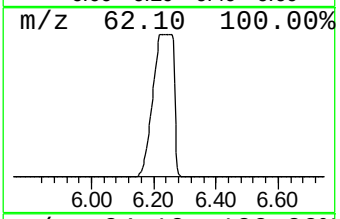


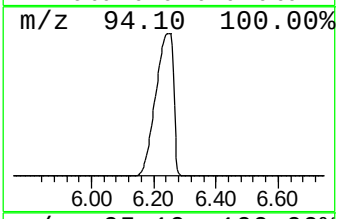


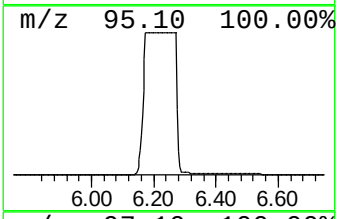


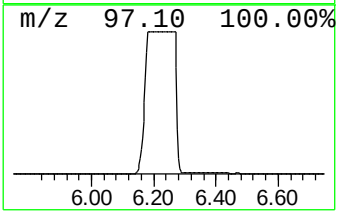












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

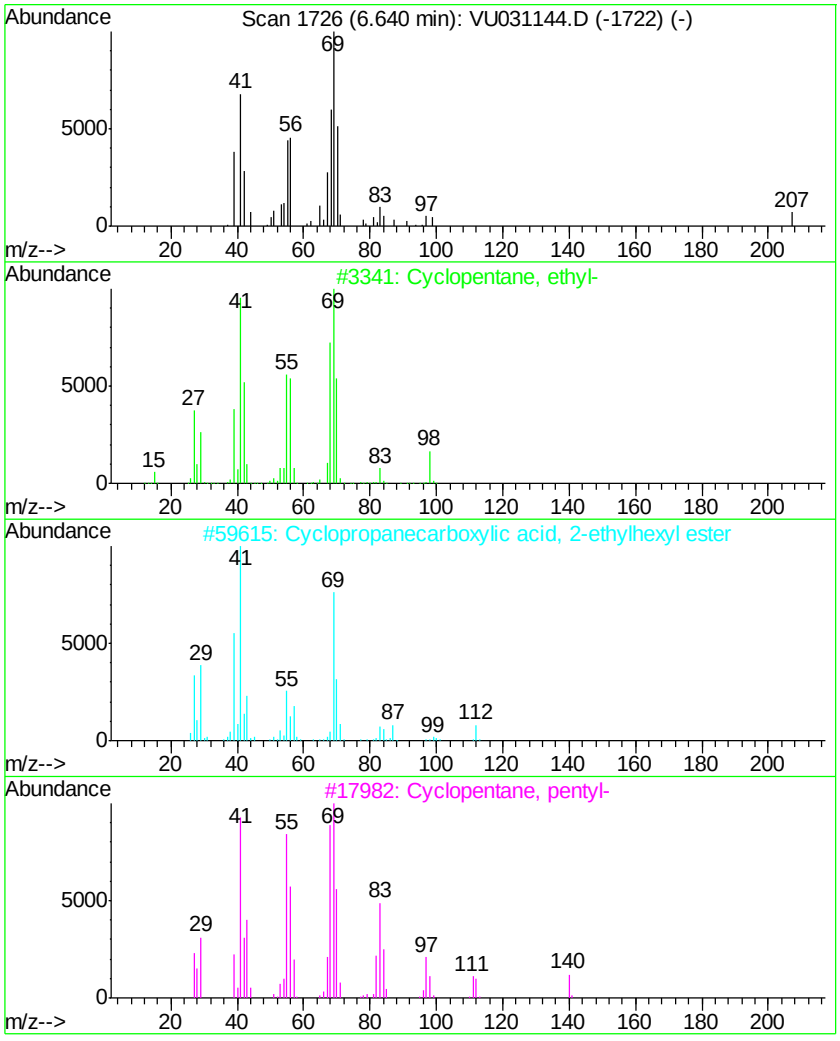
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

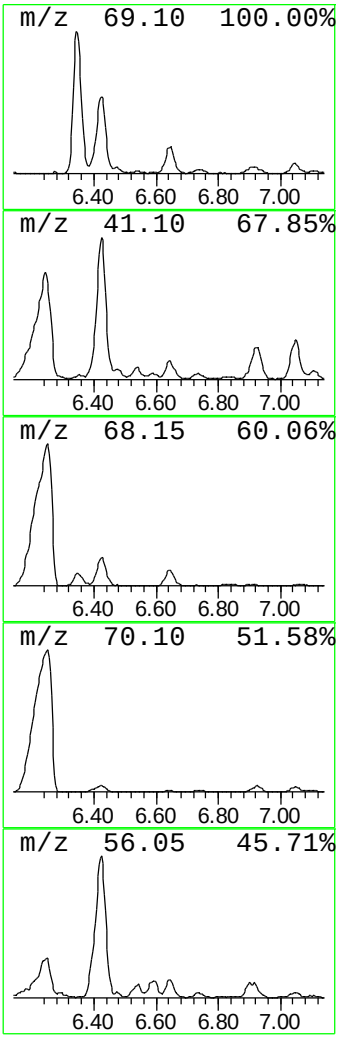
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic6.64 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	2.92 ug/L	80449	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	58
2	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	47
3	Cyclopentane, pentyl-	140	C10H20	003741-00-2	43
4	Cyclopentane, propyl-	112	C8H16	002040-96-2	42
5	Cyclopropanecarboxylic acid, 3-m...	154	C9H14O2	1000299-37-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

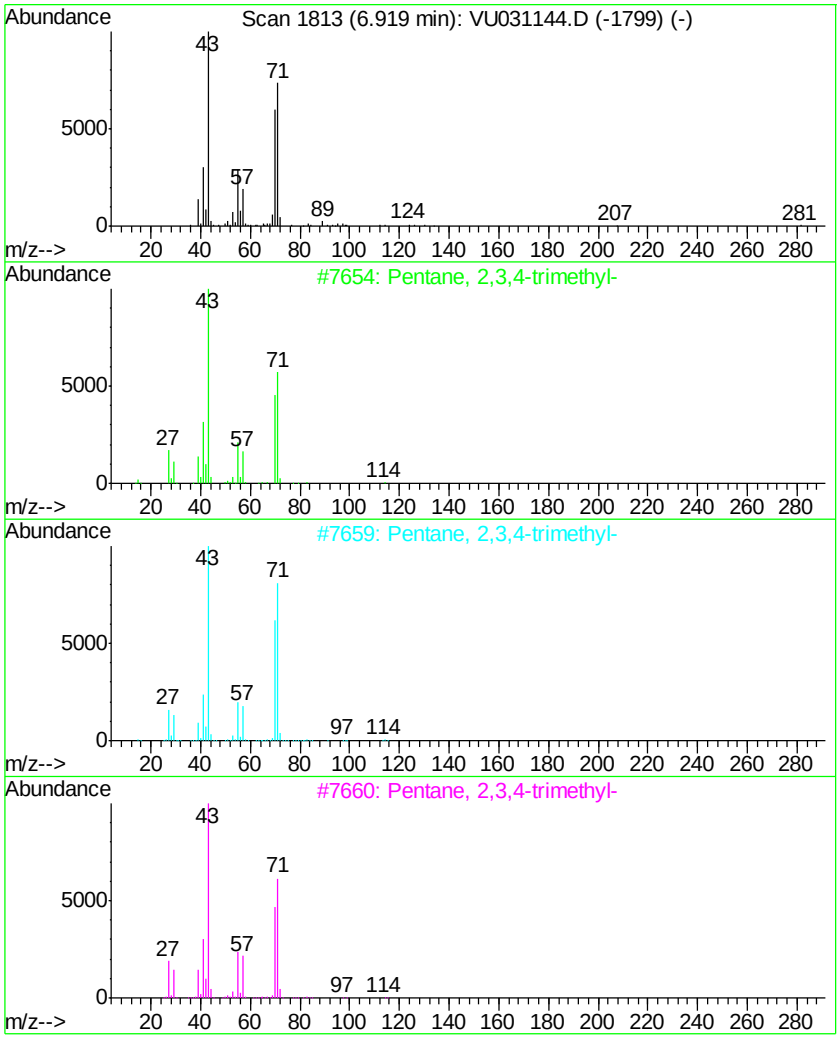
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

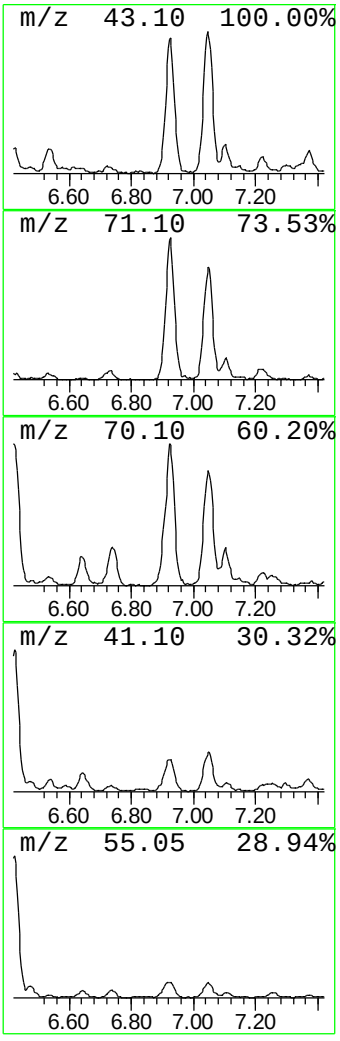
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	9.50 ug/L	262183	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4	Propan-1,3-dioic acid, di[3-meth...	244	C13H24O4	064617-96-5	72
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

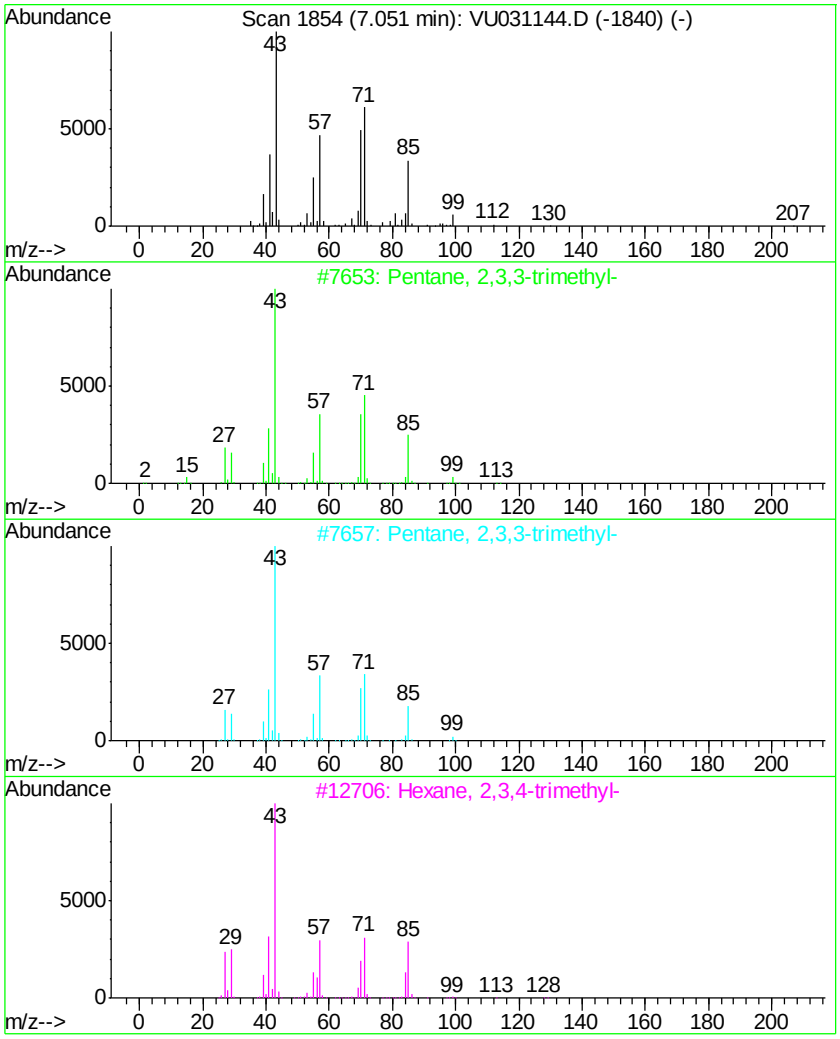
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

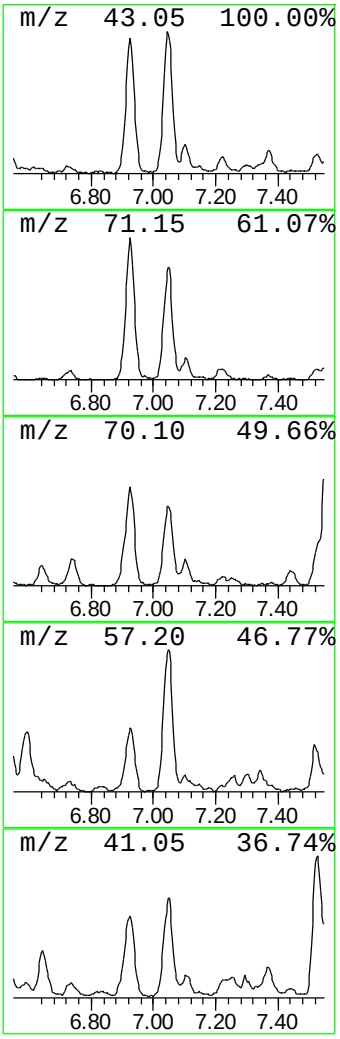
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	10.83 ug/L	298664	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

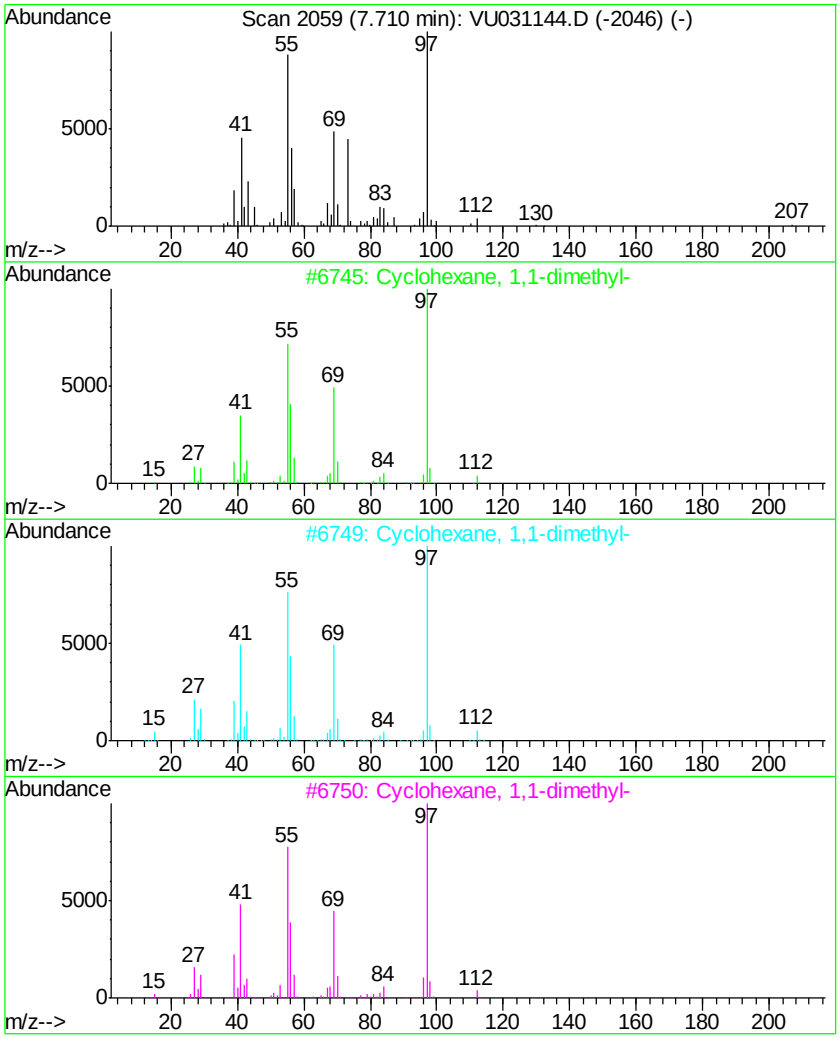
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

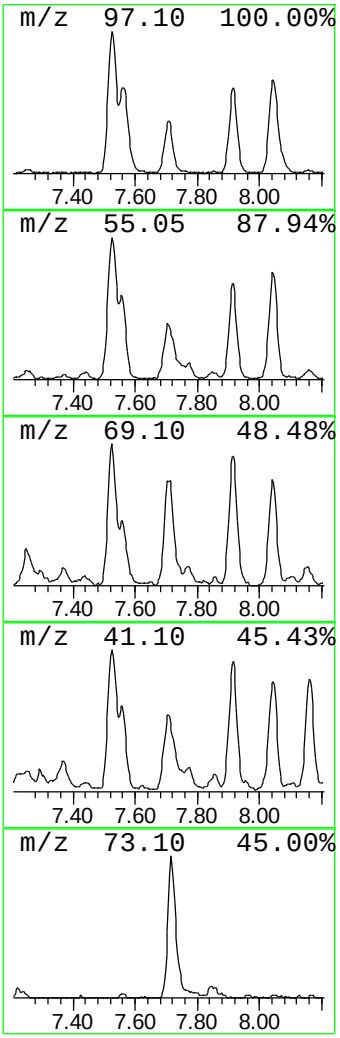
****

Peak Number 23 (DEL) Alkane: Cyclic7.71 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	7.36 ug/L	248836	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53
5	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

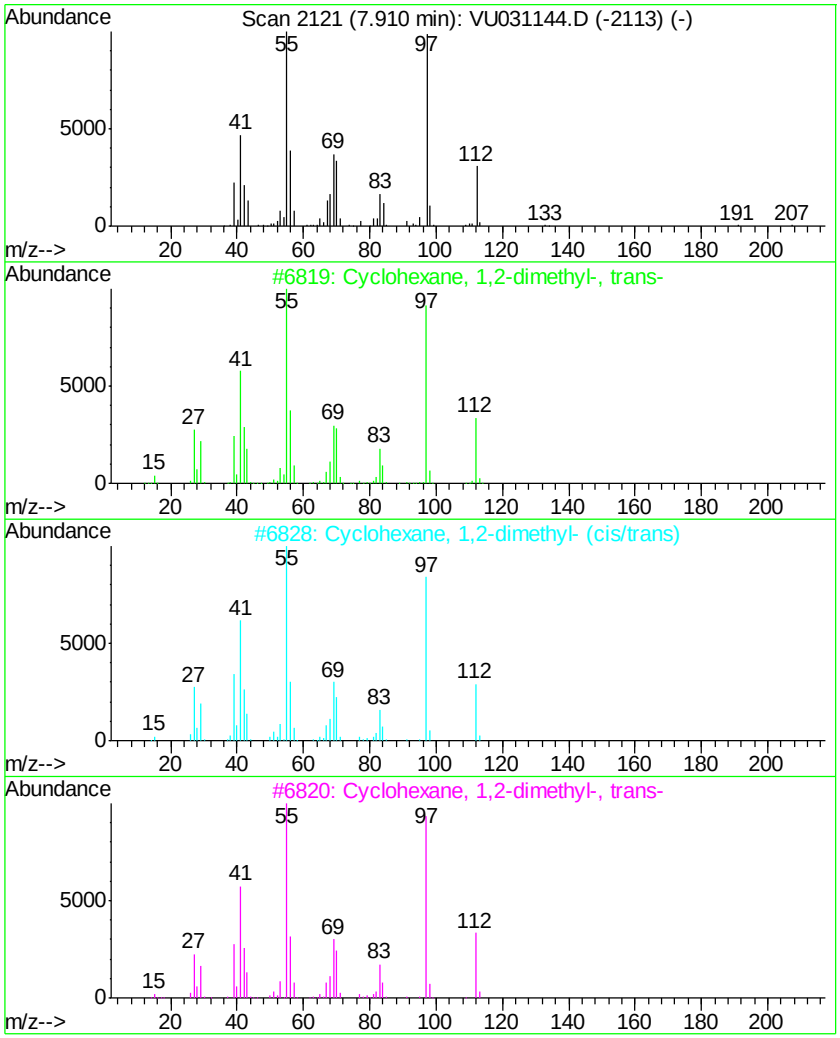
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

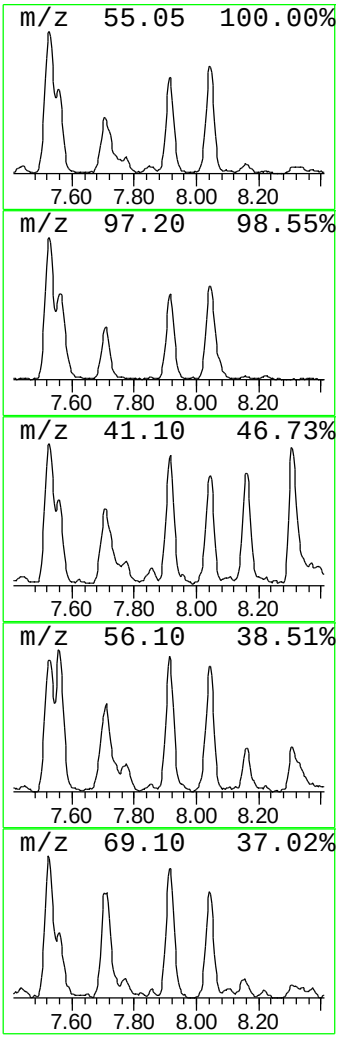
****

Peak Number 24 (DEL) Alkane: Cyclic7.91 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	10.40 ug/L	351747	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	95
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

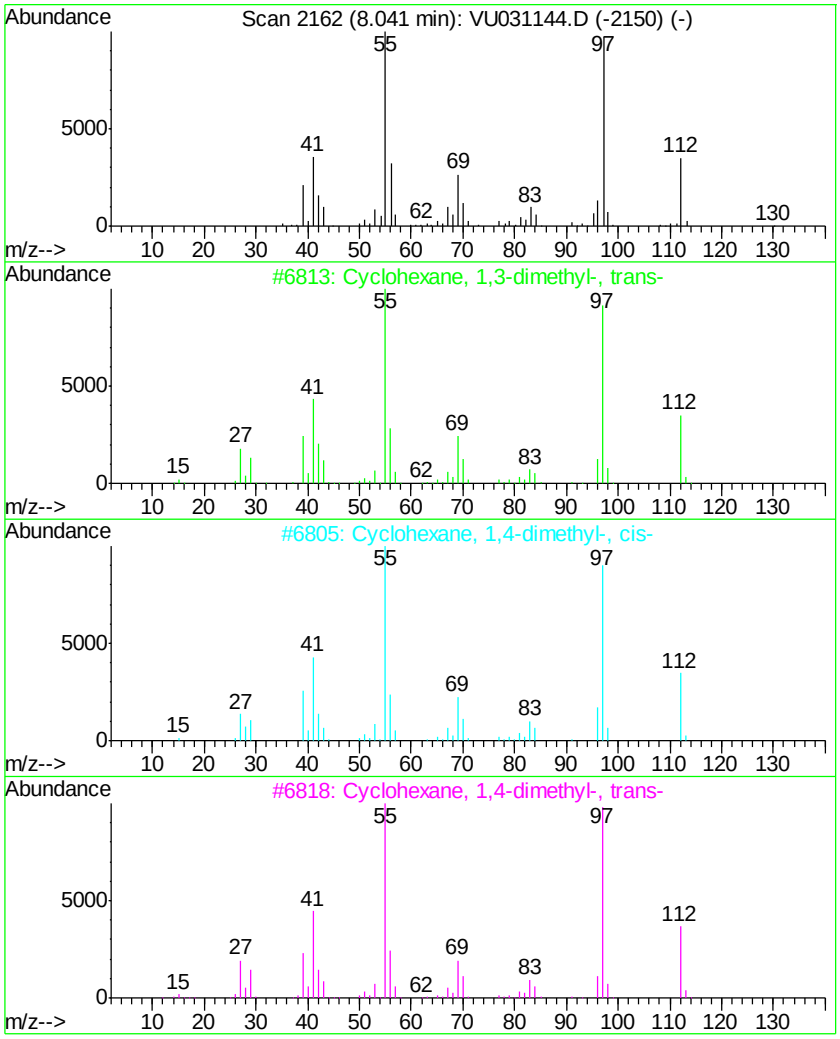
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

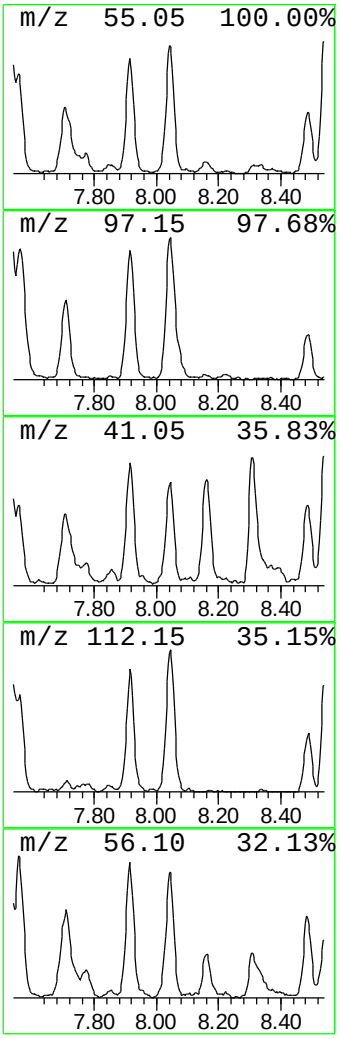
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic8.04 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	11.10 ug/L	375512	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	95
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

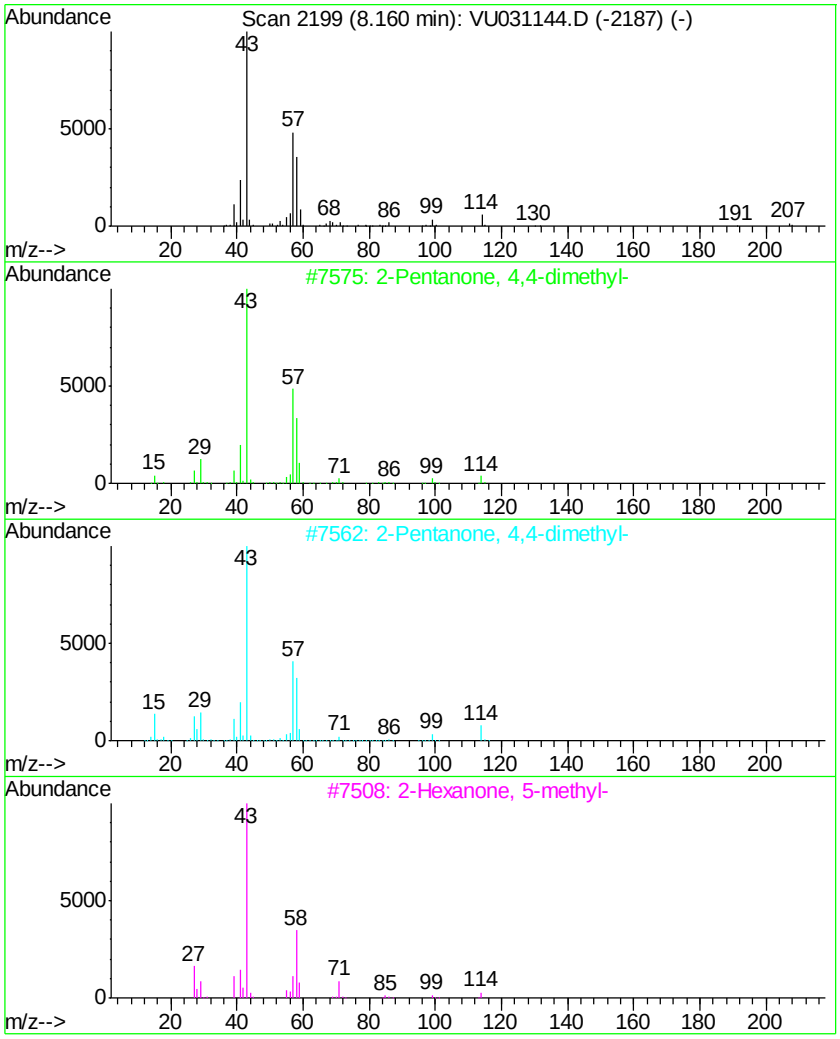
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

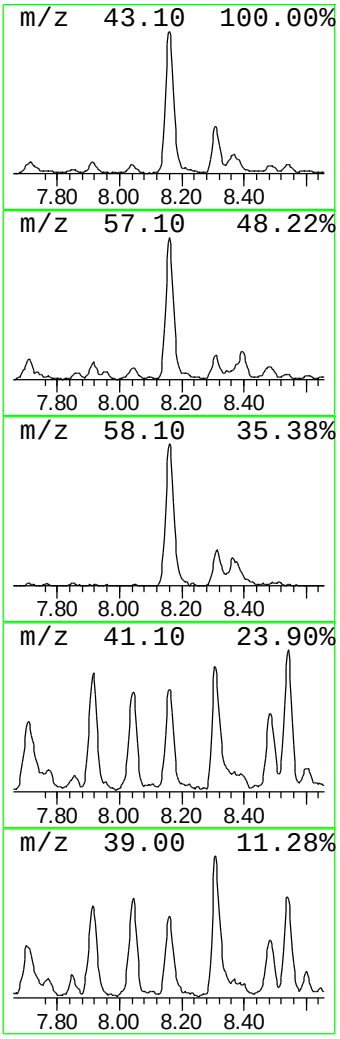
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 2-Pentanone, 4,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	7.90 ug/L	267301	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	90
2	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	86
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	72
4	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	64
5	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

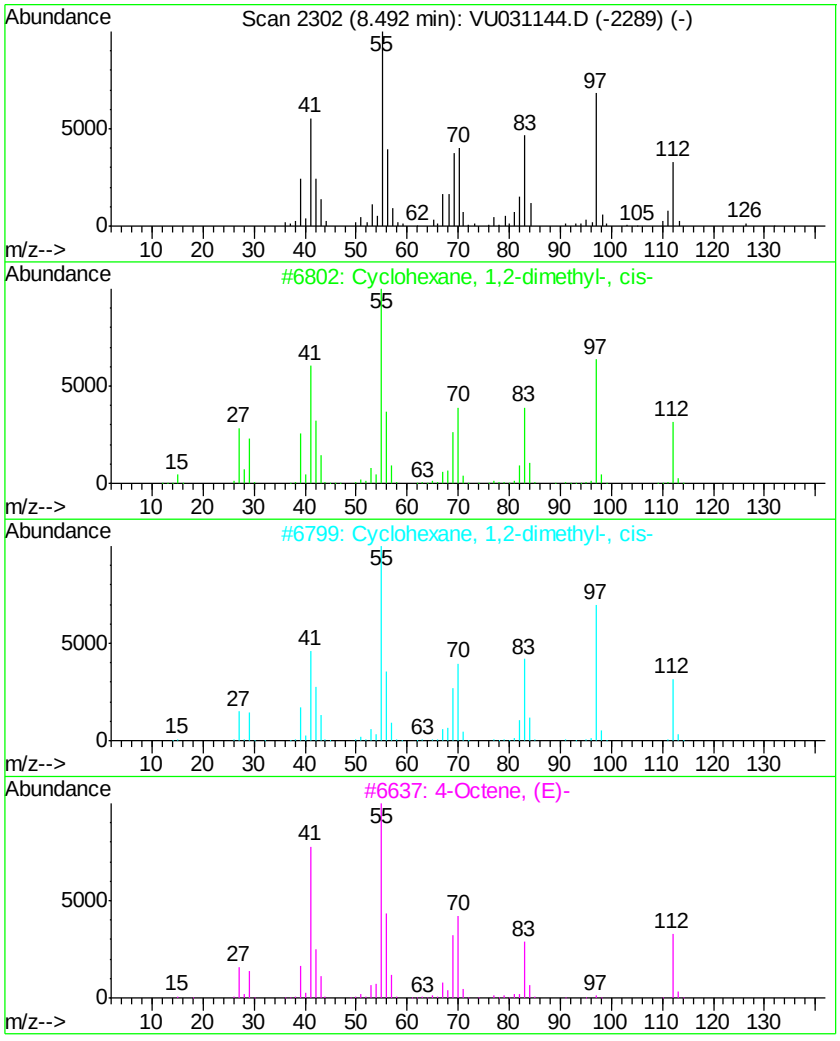
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

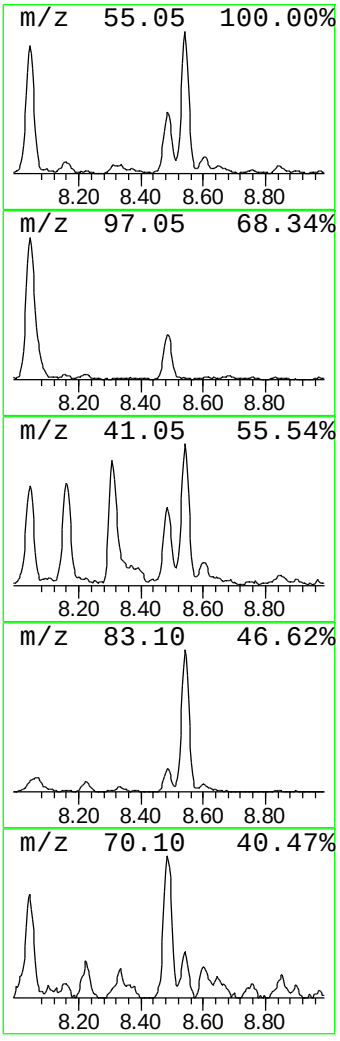
****

Peak Number 27 (DEL) Alkane: Cyclic8.49 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	5.54 ug/L	187515	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	95
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
3	4-Octene, (E)-	112	C8H16	014850-23-8	64
4	3-Octene, (E)-	112	C8H16	014919-01-8	60
5	4-Octene, (Z)-	112	C8H16	007642-15-1	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

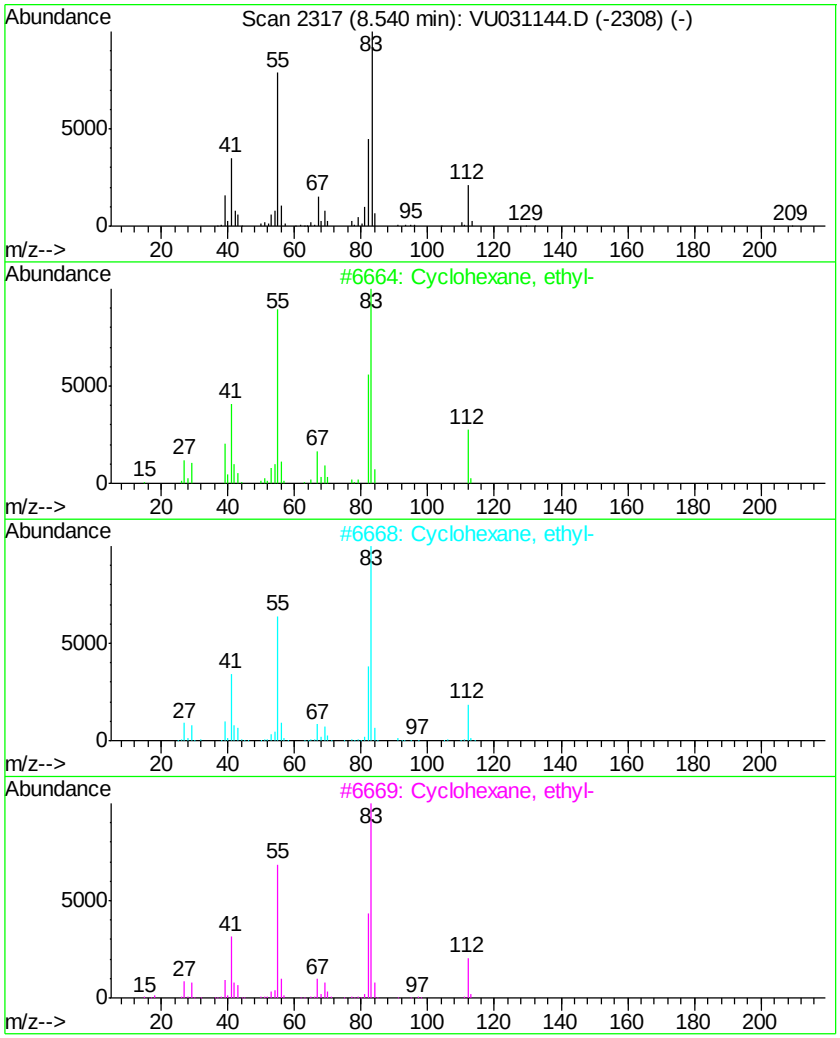
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

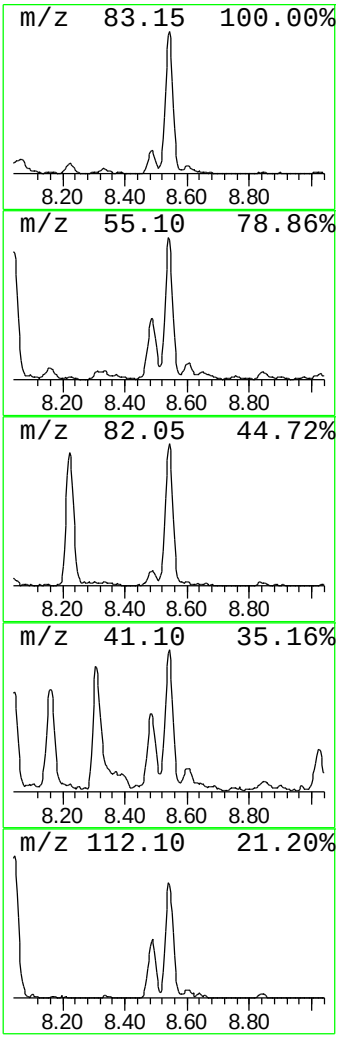
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic8.54 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	9.56 ug/L	323350	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

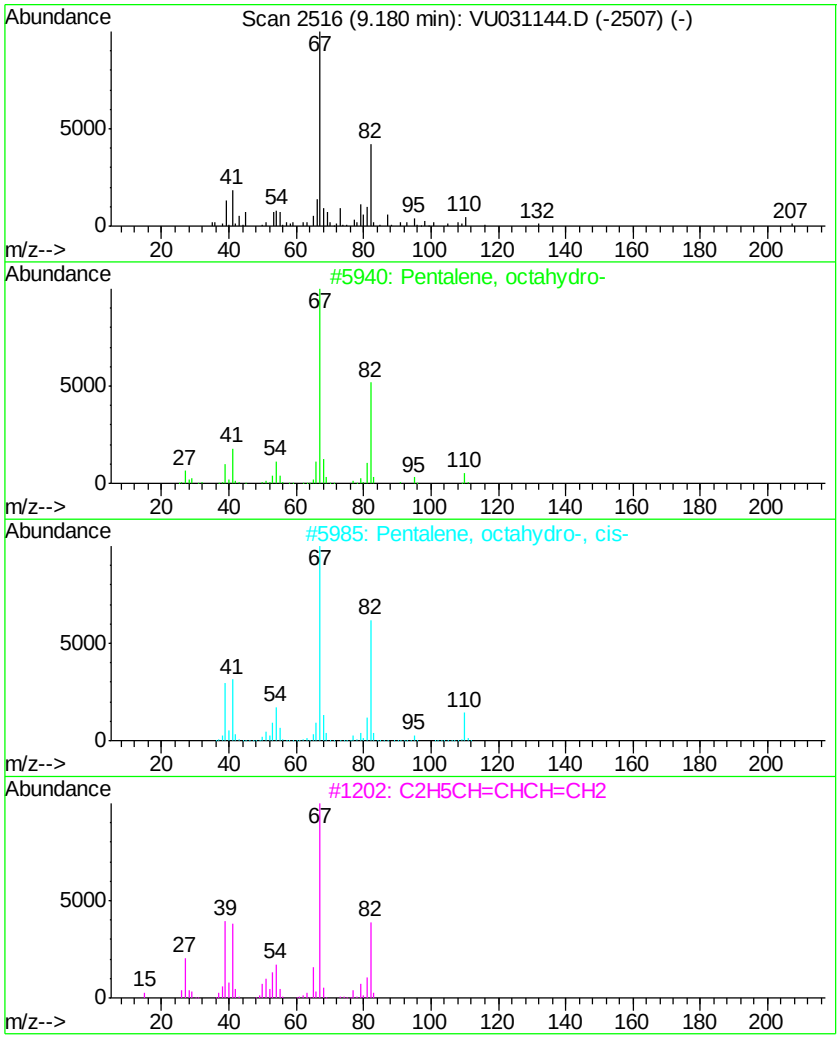
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

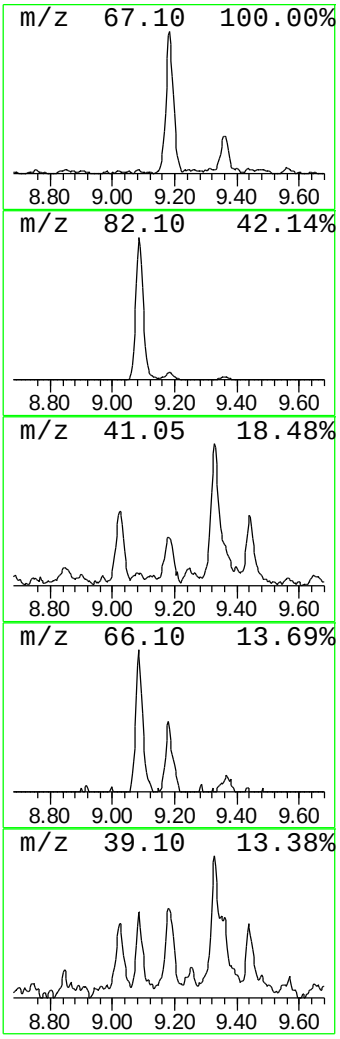
****

Peak Number 29 Pentalene, octahydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	3.85 ug/L	130256	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	64
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	64
3	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	59
4	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	59
5	Ethylidenecyclobutane	82	C6H10	001528-21-8	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

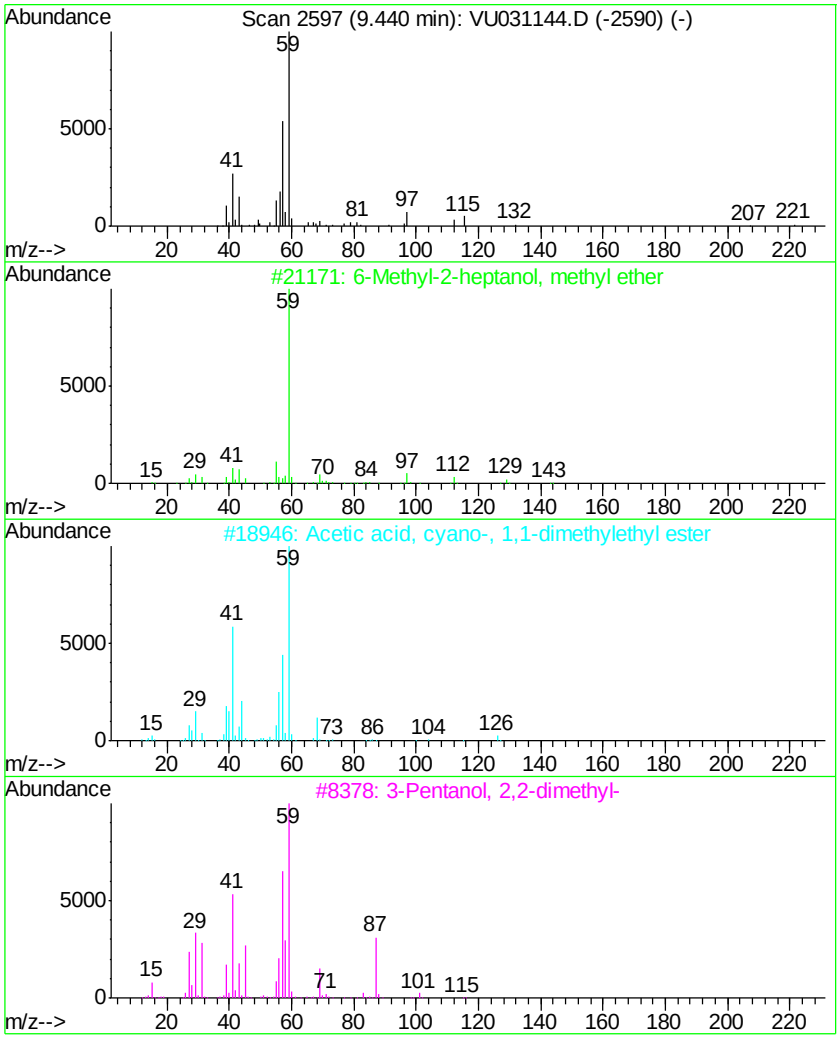
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

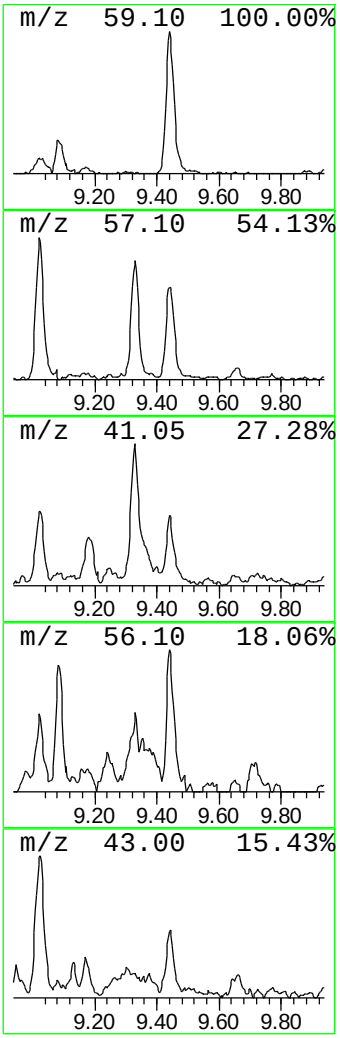
****

Peak Number 30 6-Methyl-2-heptanol, methyl... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	3.29 ug/L	111204	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	59
3	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	50
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031144.D
Acq On : 12 Apr 2019 21:17
Operator : JC/SP
Sample : K2339-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC34

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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...	1.30	20.9	ug/L	575560	1	5.89	1379460	50.0
(DEL) Alkane: Str...	1.75	127.7	ug/L	3524350	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	1.89	7.4	ug/L	203483	1	5.89	1379460	50.0
(DEL) Alkane: Str...	1.94	26.9	ug/L	742371	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	2.04	7.1	ug/L	197094	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	2.13	3.6	ug/L	100020	1	5.89	1379460	50.0
Isopropyl Alcohol	2.44	2.6	ug/L	71668	1	5.89	1379460	50.0
(DEL) Alkane: Str...	2.70	14.2	ug/L	392422	1	5.89	1379460	50.0
1-Butanol, 2,3-di...	2.74	18.6	ug/L	514060	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	2.78	13.2	ug/L	365345	1	5.89	1379460	50.0
(DEL) Alkane: Str...	3.30	3.9	ug/L	106139	1	5.89	1379460	50.0
(DEL) Alkane: Str...	3.99	7.5	ug/L	207902	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	4.09	16.8	ug/L	463722	1	5.89	1379460	50.0
(DEL) Alkane: Str...	5.08	20.5	ug/L	565631	1	5.89	1379460	50.0
(DEL) Alkane: Str...	5.22	3.9	ug/L	106249	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	5.48	4.9	ug/L	136183	1	5.89	1379460	50.0
(DEL) Alkane: Str...	5.53	24.5	ug/L	675401	1	5.89	1379460	50.0
unknown-01	6.25	3339.2	ug/L	92126900	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	6.64	2.9	ug/L	80449	1	5.89	1379460	50.0
(DEL) Alkane: Str...	6.92	9.5	ug/L	262183	1	5.89	1379460	50.0
(DEL) Alkane: Str...	7.05	10.8	ug/L	298664	1	5.89	1379460	50.0
(DEL) Alkane: Cyc...	7.71	7.4	ug/L	248836	2	9.09	1691100	50.0
(DEL) Alkane: Cyc...	7.91	10.4	ug/L	351747	2	9.09	1691100	50.0
(DEL) Alkane: Cyc...	8.04	11.1	ug/L	375512	2	9.09	1691100	50.0
2-Pentanone, 4,4-...	8.16	7.9	ug/L	267301	2	9.09	1691100	50.0
(DEL) Alkane: Cyc...	8.49	5.5	ug/L	187515	2	9.09	1691100	50.0
(DEL) Alkane: Cyc...	8.54	9.6	ug/L	323350	2	9.09	1691100	50.0
Pentalene, octahy...	9.18	3.9	ug/L	130256	2	9.09	1691100	50.0
6-Methyl-2-heptan...	9.44	3.3	ug/L	111204	2	9.09	1691100	50.0