LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

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\SOMULM113018WMA.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	1.395	59	69	81	rBV	548212	680830	17.83%	2.172%
2	1.450	81	86	98	rVB2	27798	33266	0.87%	0.106%
3	1.511	100	105	110	rBV	31140	31028	0.81%	0.099%
4	1.601	112	133	134	rBV8	47972	114457	3.00%	0.365%
5	1.640	139	145	156	rVV	484926	554080	14.51%	1.768%
6	1.694	159	162	169	rVB	52177	54844	1.44%	0.175%
7	1.836	199	206	213	rBV3	36568	51073	1.34%	0.163%
8	1.884	213	221	237	rVB2	114660	183980	4.82%	0.587%
9	1.997	249	256	264	rVB3	22431	31780	0.83%	0.101%
10	2.141	293	301	313	rVB4	32172	53722	1.41%	0.171%
11	2.238	320	331	345	rBV	787738	1243664	32.58%	3.967%
12	2.649	452	459	468	rVV3	18228	38893	1.02%	0.124%
13	2.714	468	479	488	rVV2	48927	100153	2.62%	0.319%
14	2.762	488	494	508	rVB2	16081	32547	0.85%	0.104%
15	2.964	544	557	574	rVB4	29564	63487	1.66%	0.203%
16	3.177	607	623	639	rBV3	39522	87501	2.29%	0.279%
17	3.276	639	654	675	rVB2	115099	243976	6.39%	0.778%
18	3.530	724	733	748	rVB6	10752	26871	0.70%	0.086%
19	4.070	881	901	918	rVB3	45533	124542	3.26%	0.397%
20	4.186	918	937	986	rBV	267158	942322	24.68%	3.006%
21	4.640	1060	1078	1104	rBV	596867	1428226	37.41%	4.556%
22	4.765	1105	1117	1133	rVB3	26877	61780	1.62%	0.197%
23	4.974	1166	1182	1196	rBV4	54350	135773	3.56%	0.433%
24	5.054	1198	1207	1231	rVB8	14840	46483	1.22%	0.148%
25	5.205	1237	1254	1270	rBV2	40788	105551	2.76%	0.337%
26	5.328	1270	1292	1305	rBV2	1312239	3817847	100.00%	12.179%
27	5.469	1326	1336	1345	rBV4	22356	46944	1.23%	0.150%
28	5.611	1368	1380	1388	rBV4	40162	91151	2.39%	0.291%
29	5.656	1388	1394	1414	rVB3	40784	81947	2.15%	0.261%
30	5.771	1414	1430	1451	rBV2	161028	329422	8.63%	1.051%
31	5.881	1451	1464	1477	rBV	241355	492743	12.91%	1.572%
32	6.215	1559	1568	1586	rVB7	15023	35933	0.94%	0.115%
33	6.324	1586	1602	1617	rBV	863076	1771152	46.39%	5.650%
34	6.405	1618	1627	1640	rVB2	101470	218124	5.71%	0.696%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

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\SOMULM113018WMA.M
Title : VOC Analysis

35	6.633	1686	1698	1713	rVB2	26962	54053	1.42%	0.172%
36	6.733	1717	1729	1742	rVB5	16023	34812	0.91%	0.111%
37	6.897	1770	1780	1799	rVB9	23165	60090	1.57%	0.192%
38	7.064	1821	1832	1839	rBV2	28856	57374	1.50%	0.183%
39	7.173	1856	1866	1872	rBV2	63942	107367	2.81%	0.343%
40	7.225	1872	1882	1901	rVB	498000	954044	24.99%	3.044%
41	7.334	1907	1916	1925	rBV3	27105	48514	1.27%	0.155%
42	7.424	1935	1944	1956	rVB4	33483	64003	1.68%	0.204%
43	7.562	1963	1987	2002	rBV	1690785	3082967	80.75%	9.835%
44	7.636	2002	2010	2022	rVB	80957	158770	4.16%	0.506%
45	7.726	2031	2038	2046	rVB4	41180	63868	1.67%	0.204%
46	7.816	2057	2066	2069	rBV	166204	231899	6.07%	0.740%
47	7.848	2070	2076	2089	rVV	332784	603200	15.80%	1.924%
48	7.909	2089	2095	2108	rVB4	39408	69972	1.83%	0.223%
49	8.041	2127	2136	2144	rBV4	17405	30621	0.80%	0.098%
50	8.090	2144	2151	2161	rVV4	17827	34495	0.90%	0.110%
51	8.321	2200	2223	2239	rBV	1187493	2284026	59.82%	7.286%
52	8.482	2270	2273	2282	rVB6	24718	31406	0.82%	0.100%
53	8.540	2282	2291	2300	rBV3	34367	59316	1.55%	0.189%
54	8.604	2305	2311	2331	rVB3	31305	63782	1.67%	0.203%
55	8.749	2347	2356	2368	rVB6	30209	58249	1.53%	0.186%
56	8.906	2397	2405	2415	rVB3	38635	58713	1.54%	0.187%
57	9.028	2434	2443	2452	rVB	50323	76786	2.01%	0.245%
58	9.089	2452	2462	2475	rBV	360082	618225	16.19%	1.972%
59	9.250	2503	2512	2523	rBV	42753	72801	1.91%	0.232%
60	9.372	2536	2550	2563	rBV2	132432	256215	6.71%	0.817%
61	9.440	2563	2571	2596	rVB	191618	326313	8.55%	1.041%
62	9.559	2598	2608	2617	rBV8	16602	33303	0.87%	0.106%
63	9.713	2645	2656	2665	rBV5	28526	53982	1.41%	0.172%
64	9.781	2666	2677	2685	rBV	56713	96498	2.53%	0.308%
65	9.948	2712	2729	2739	rBV3	49397	104219	2.73%	0.332%
66	10.048	2750	2760	2768	rBV6	35966	65905	1.73%	0.210%
67	10.167	2787	2797	2805	rBV5	15029	31309	0.82%	0.100%
68	10.321	2831	2845	2850	rBV6	33183	64392	1.69%	0.205%
69	10.434	2869	2880	2894	rBV	1260604	2033460	53.26%	6.487%
70	10.684	2948	2958	2971	rBV	60059	137474	3.60%	0.439%
71	10.752	2971	2979	2990	rVV3	69848	146974	3.85%	0.469%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

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\SOMULM113018WMA.M
Title : VOC Analysis

72	10.813	2990	2998	3017	rVB2	191879	303640	7.95%	0.969%
73	10.970	3039	3047	3056	rBV2	30653	50576	1.32%	0.161%
74	11.115	3084	3092	3095	rVV2	26717	35143	0.92%	0.112%
75	11.147	3096	3102	3117	rVB2	76095	119578	3.13%	0.381%
76	11.334	3153	3160	3169	rVB5	19101	30904	0.81%	0.099%
77	11.398	3169	3180	3185	rBV4	31769	52698	1.38%	0.168%
78	11.485	3197	3207	3218	rBV	448439	701931	18.39%	2.239%
79	11.572	3227	3234	3241	rVV3	44343	62082	1.63%	0.198%
80	11.700	3267	3274	3286	rVB3	18648	27279	0.71%	0.087%
81	11.771	3287	3296	3302	rBV3	31502	55770	1.46%	0.178%
82	11.861	3313	3324	3345	rVB	1827344	2920374	76.49%	9.316%
83	11.977	3348	3360	3366	rBV4	48364	81612	2.14%	0.260%
84	12.022	3366	3374	3384	rVB	206499	281899	7.38%	0.899%
85	12.176	3417	3422	3430	rVB3	23717	32684	0.86%	0.104%
86	12.247	3435	3444	3454	rVB3	26065	48923	1.28%	0.156%
87	12.356	3470	3478	3486	rBV4	40266	62262	1.63%	0.199%
88	12.610	3549	3557	3562	rBV3	25499	39797	1.04%	0.127%
89	12.646	3562	3568	3577	rVB7	27244	47017	1.23%	0.150%
90	12.700	3578	3585	3592	rBV2	30727	46869	1.23%	0.150%
91	12.826	3619	3624	3635	rVV5	17727	31311	0.82%	0.100%
92	12.964	3660	3667	3680	rVB2	24064	37749	0.99%	0.120%
93	13.083	3697	3704	3708	rBV6	22777	31555	0.83%	0.101%
94	13.121	3708	3716	3733	rVB2	198938	304978	7.99%	0.973%
95	13.282	3757	3766	3778	rBV5	33986	69044	1.81%	0.220%
96	13.456	3812	3820	3828	rBV3	18765	28538	0.75%	0.091%
97	13.507	3828	3836	3844	rBV8	19820	35075	0.92%	0.112%
98	13.742	3904	3909	3918	rVB	26673	36683	0.96%	0.117%
99	14.141	4025	4033	4047	rVB2	34150	58737	1.54%	0.187%
100	14.883	4257	4264	4277	rVV5	12140	26626	0.70%	0.085%

Sum of corrected areas: 31346823

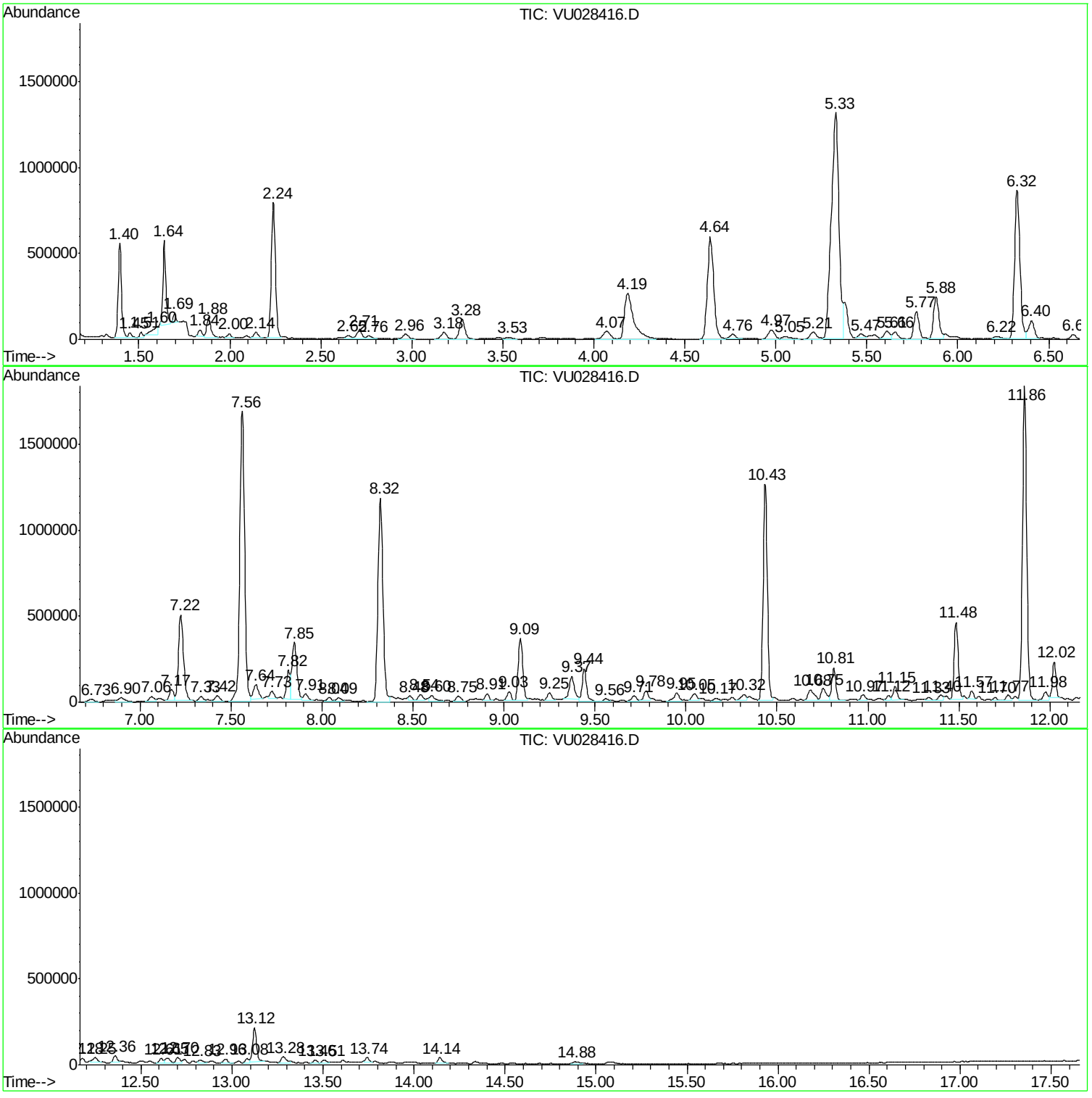
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.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\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

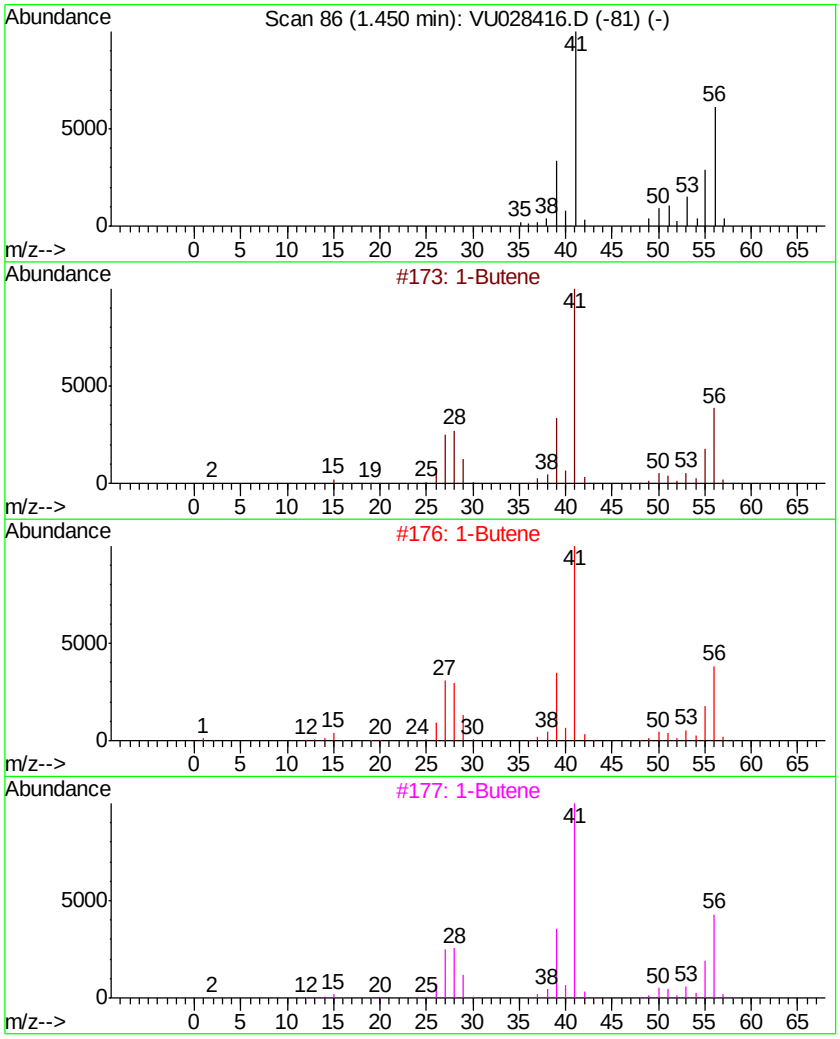
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

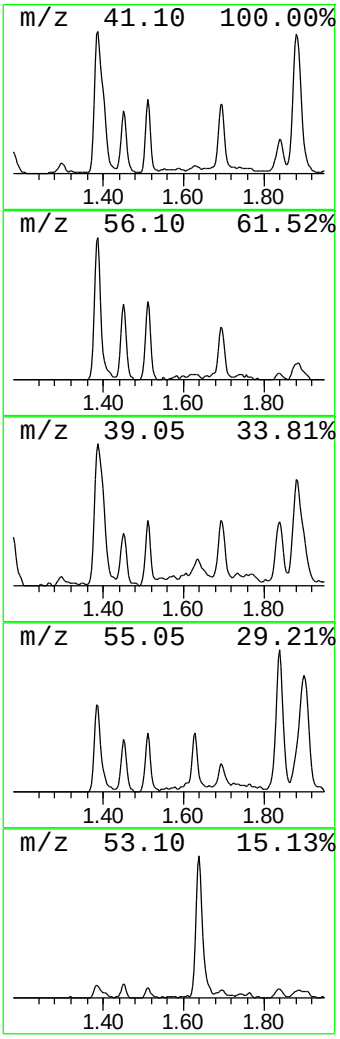
****

Peak Number 1 (DEL) Alkane: Cyclic1.45 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.45	3.38 ug/L	33266	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	72
3	1-Butene	56	C4H8	000106-98-9	72
4	2-Butene, (Z)-	56	C4H8	000590-18-1	72
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

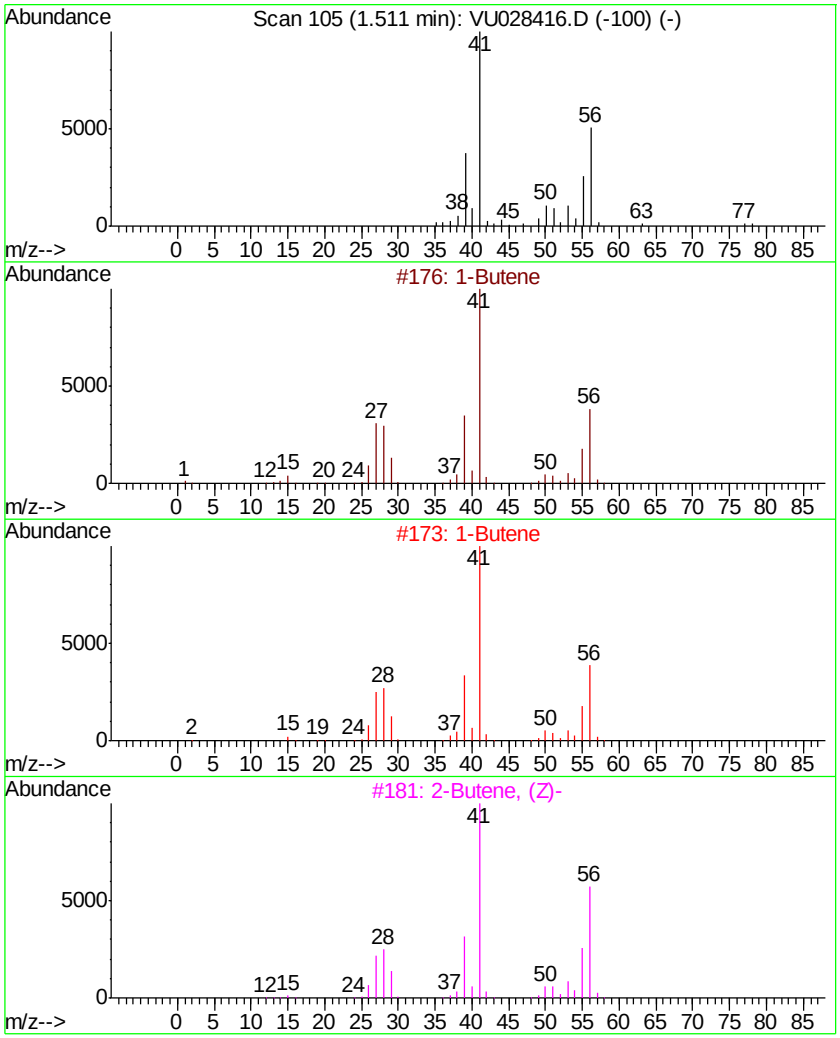
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

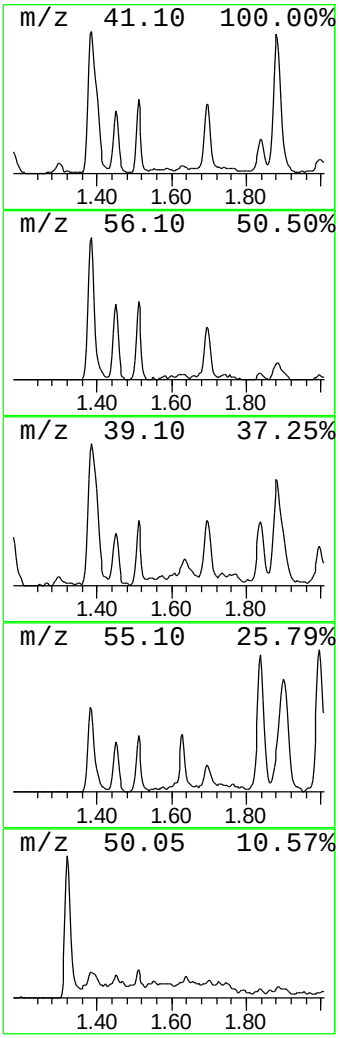
****

Peak Number 2 (DEL) Alkane: Cyclic1.51 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.51	3.15 ug/L	31028	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	64
2	1-Butene	56	C4H8	000106-98-9	64
3	2-Butene, (Z)-	56	C4H8	000590-18-1	64
4	1-Butene	56	C4H8	000106-98-9	64
5	Cyclobutane	56	C4H8	000287-23-0	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

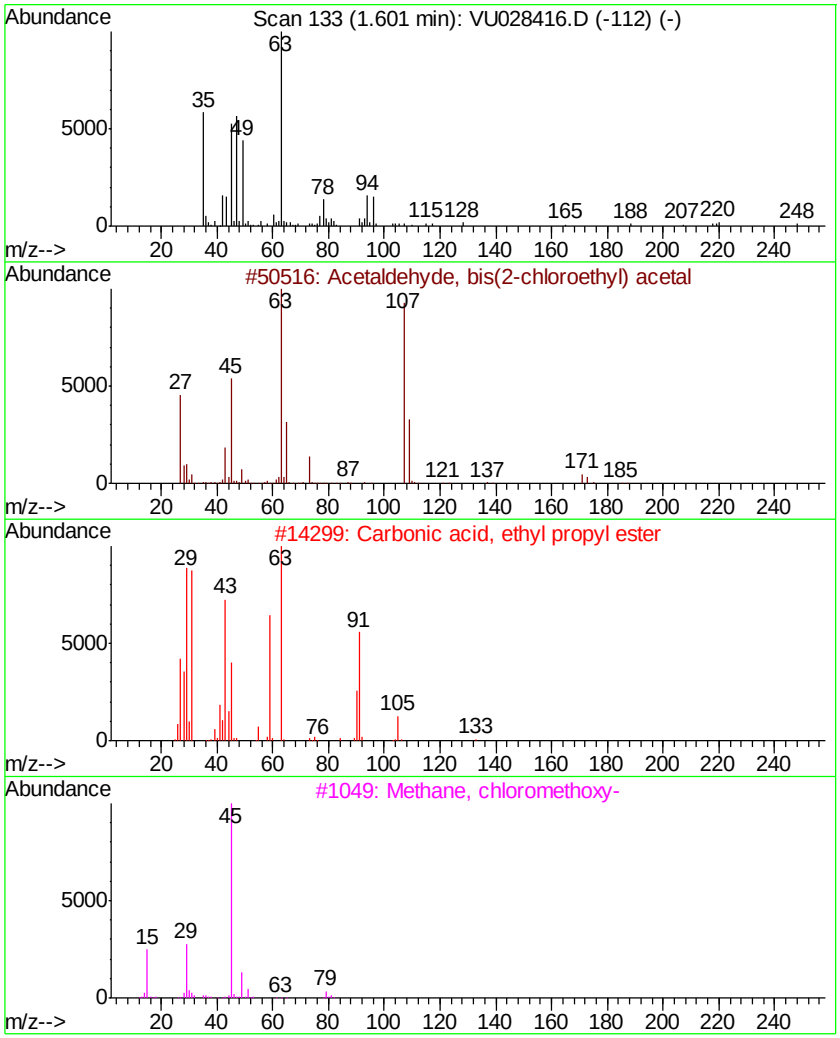
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

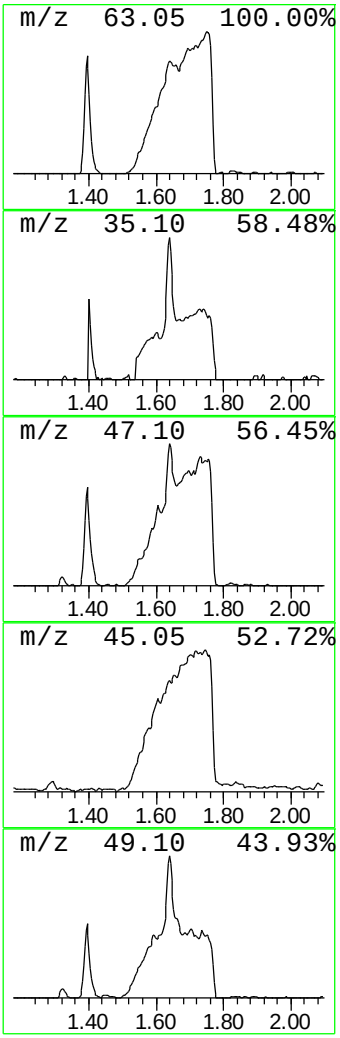
****

Peak Number 3 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.60	11.61 ug/L	114457	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, bis(2-chloroethyl)...	186	C6H12Cl2O2	014689-97-5	23
2	Carbonic acid, ethyl propyl ester	132	C6H12O3	1000314-52-8	17
3	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	9
4	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	9
5	1,3-Difluoro-2-propanol	96	C3H6F2O	000453-13-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

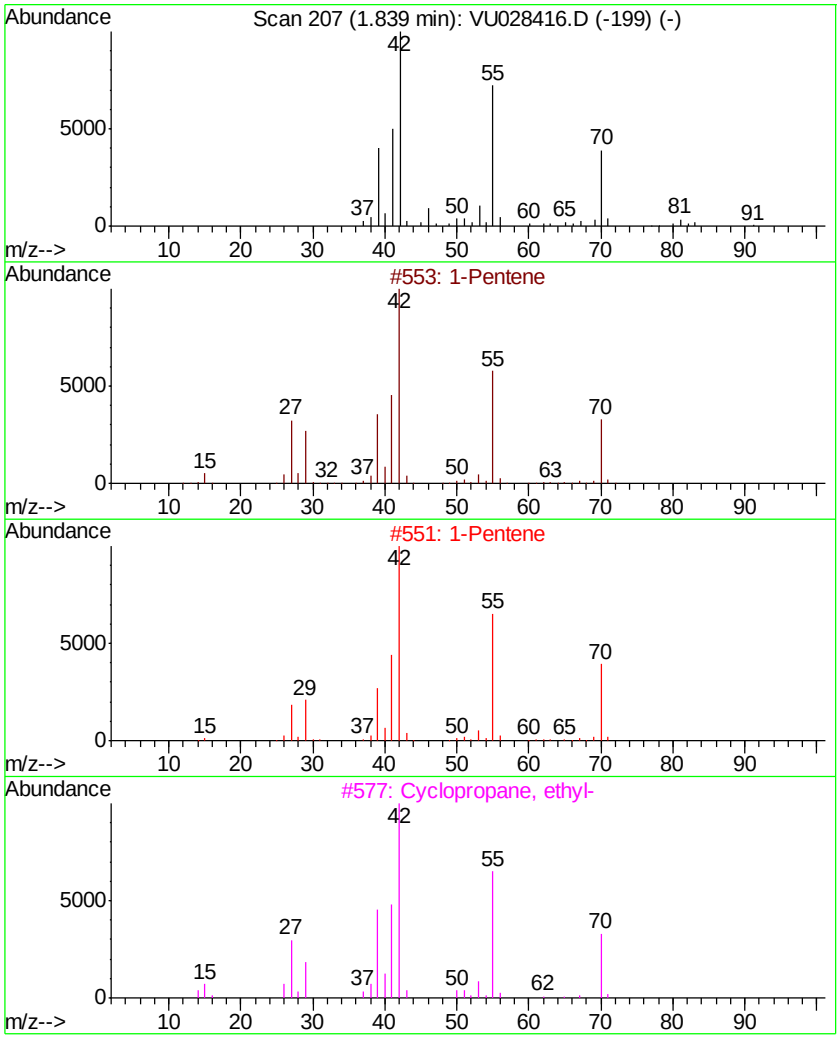
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

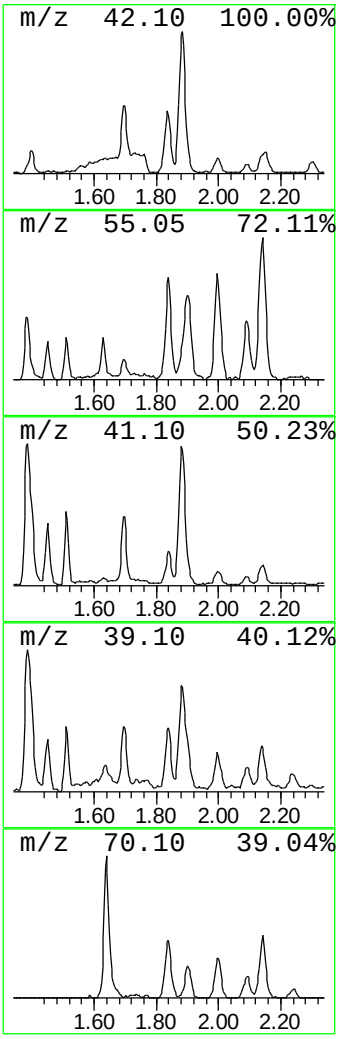
****

Peak Number 5 (DEL) Alkane: Cyclic1.84 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.84	5.18 ug/L	51073	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	74
2	1-Pentene	70	C5H10	000109-67-1	74
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

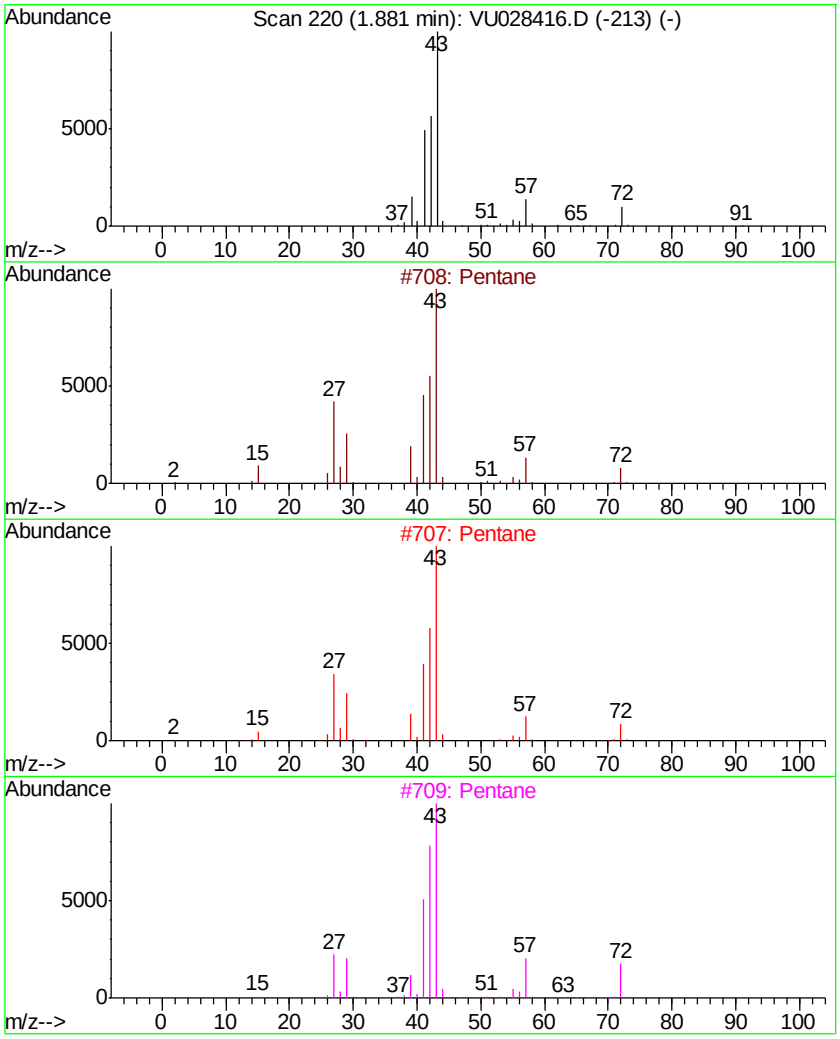
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

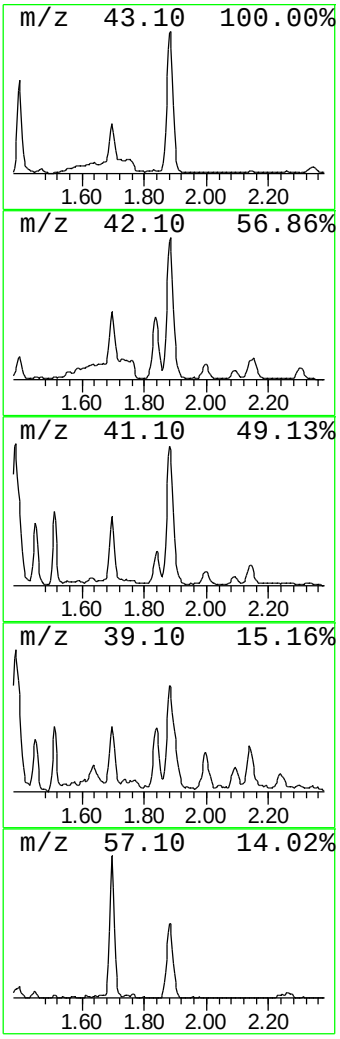
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.88	18.67 ug/L	183980	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	59
4	Pentane	72	C5H12	000109-66-0	52
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

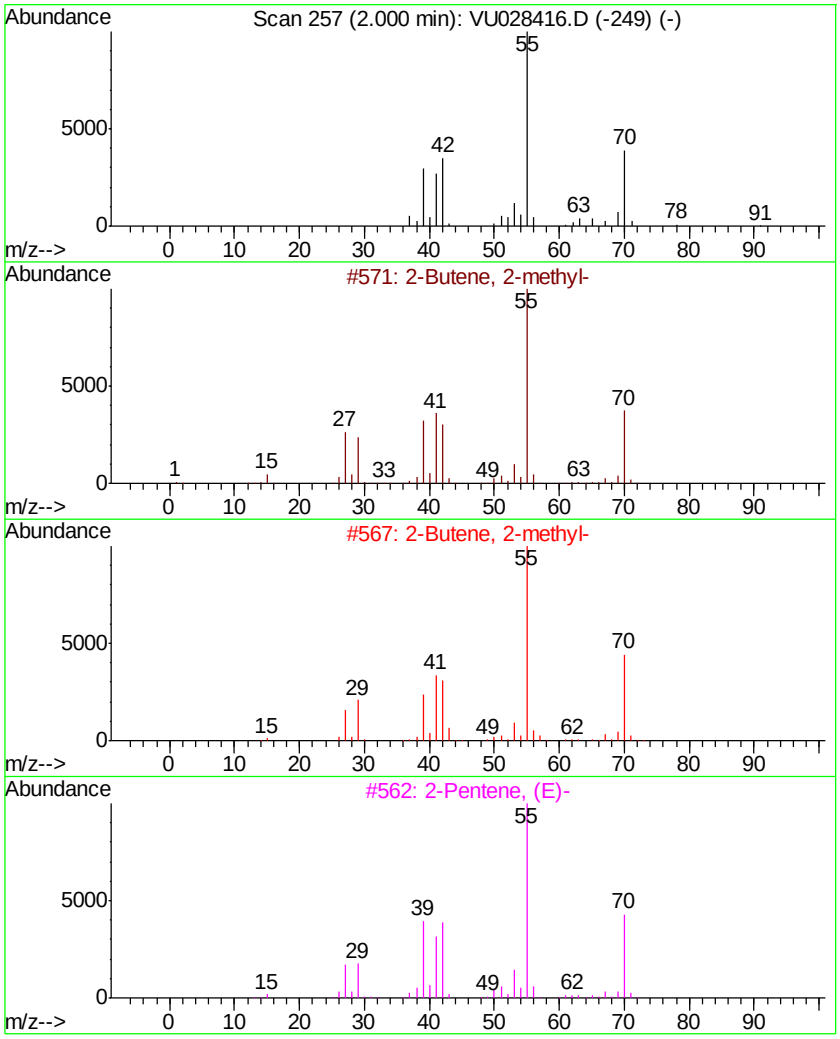
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

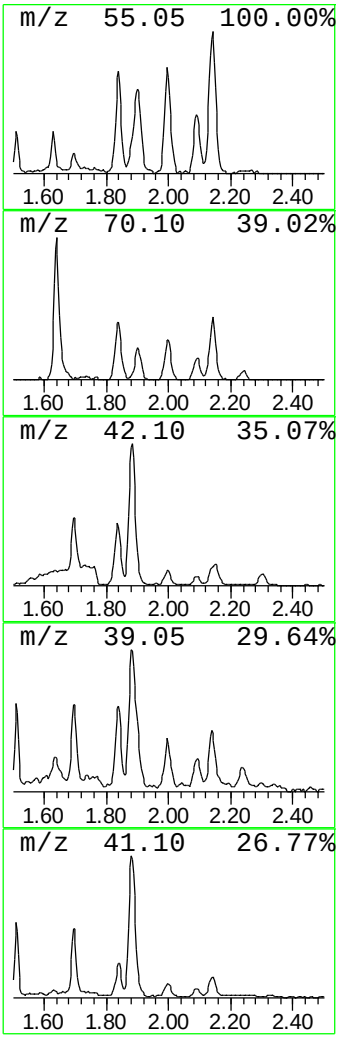
****

Peak Number 7 (DEL) Alkane: Cyclic2.00 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	3.22 ug/L	31780	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
3	2-Pentene, (E)-	70	C5H10	000646-04-8	80
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	80
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

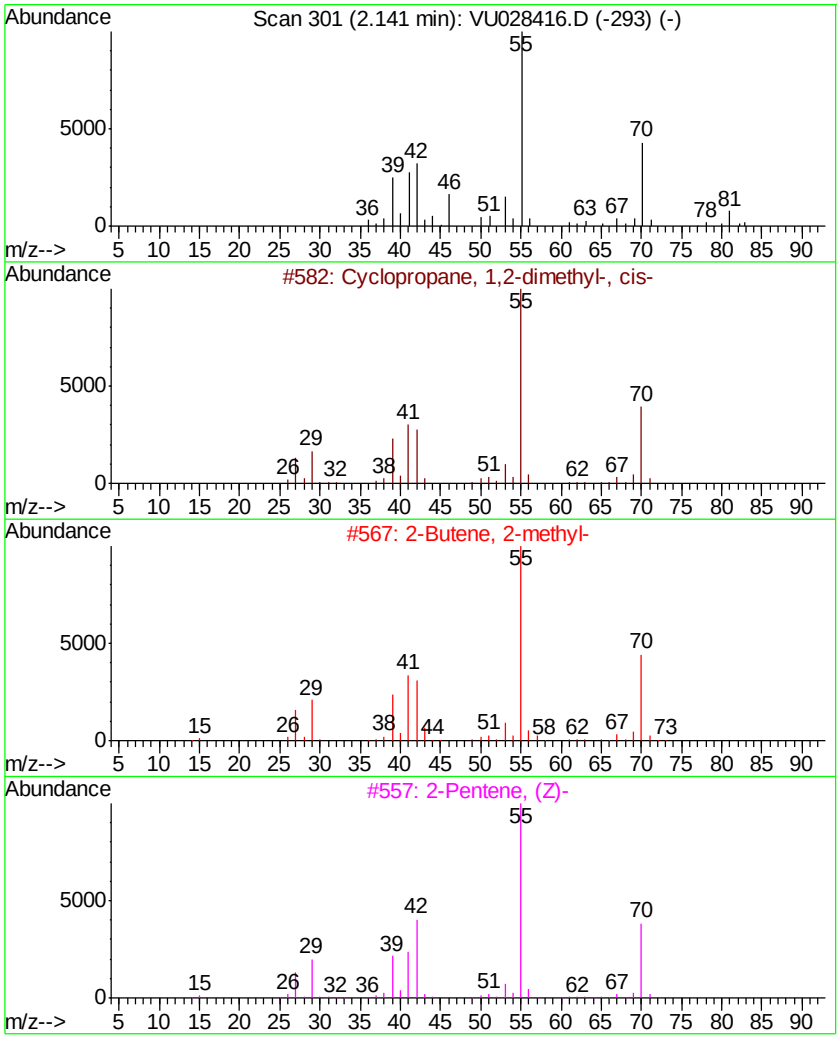
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

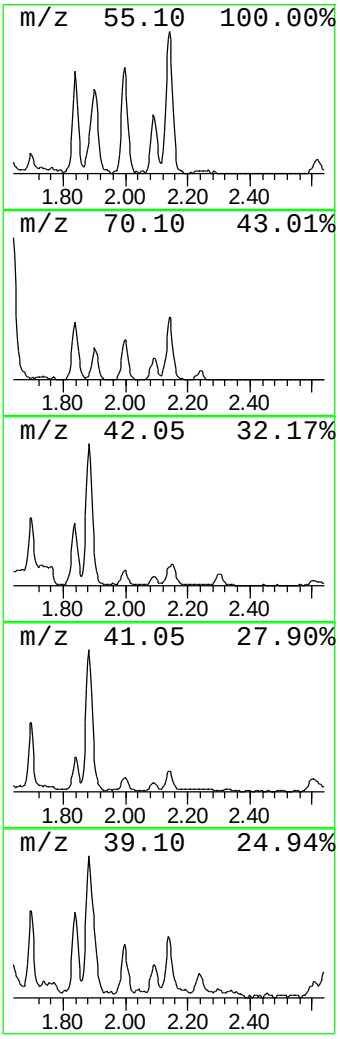
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	5.45 ug/L	53722	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	74
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	74
5	2-Pentene, (E)-	70	C5H10	000646-04-8	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

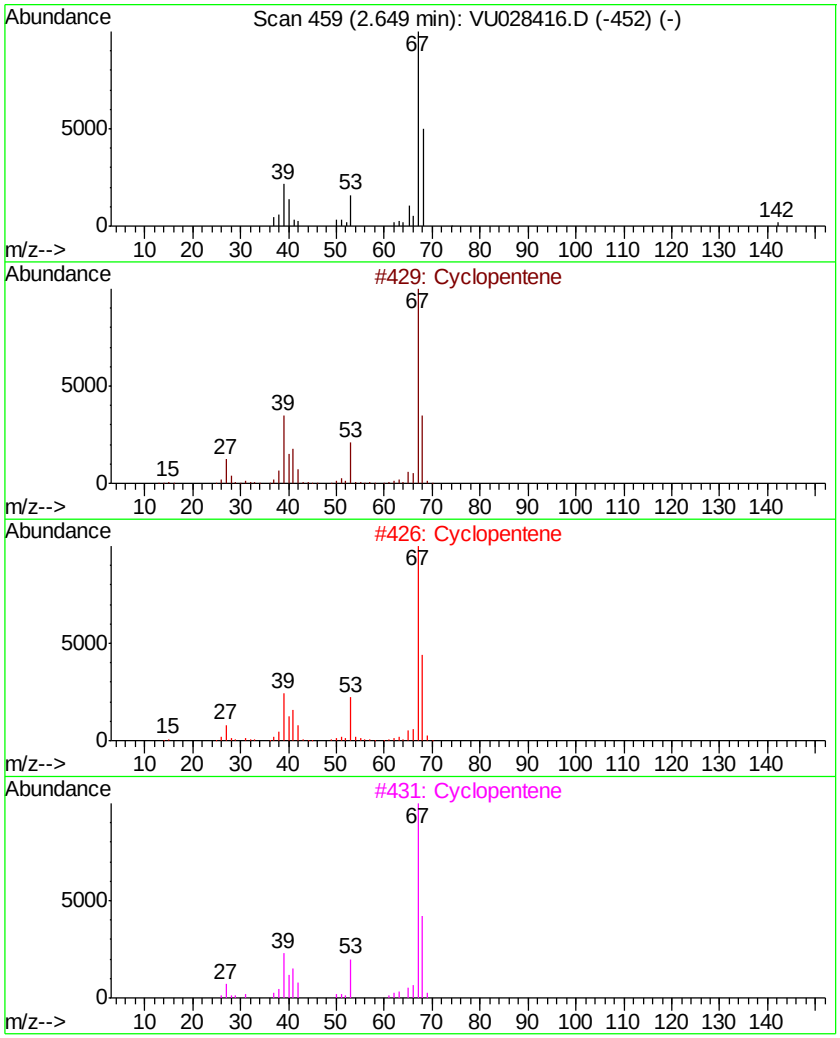
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

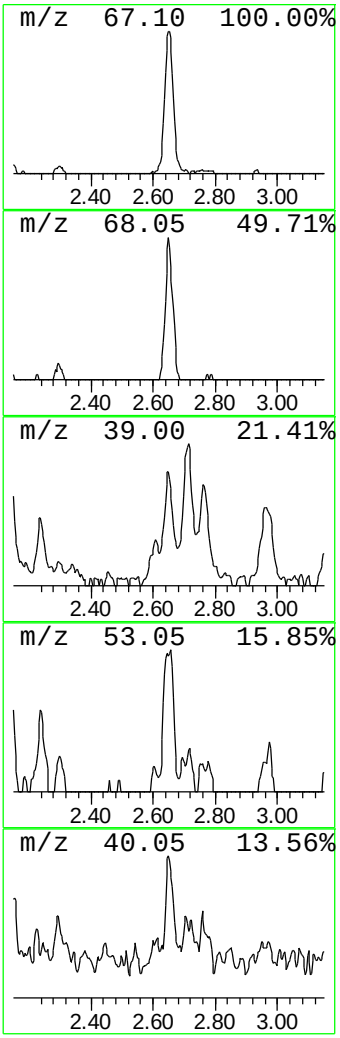
****

Peak Number 9 Cyclopentene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.65	3.95 ug/L	38893	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	78
2	Cyclopentene	68	C5H8	000142-29-0	72
3	Cyclopentene	68	C5H8	000142-29-0	64
4	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64
5	Cyclopentene	68	C5H8	000142-29-0	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

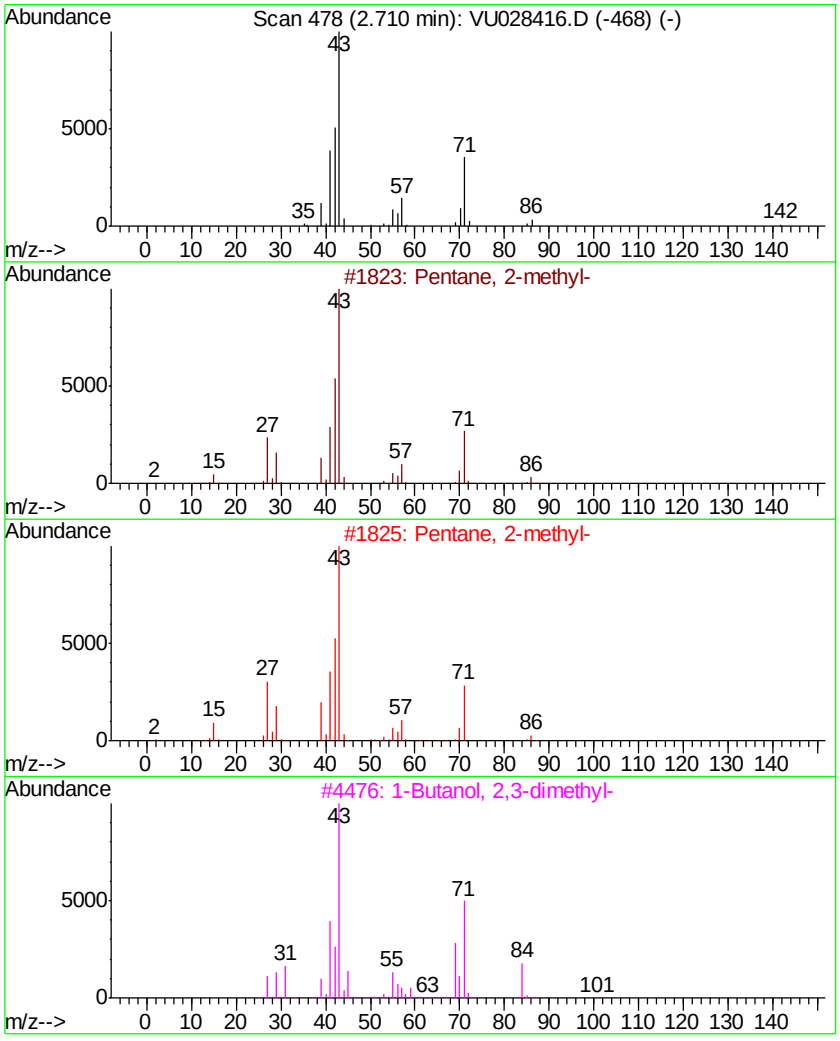
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

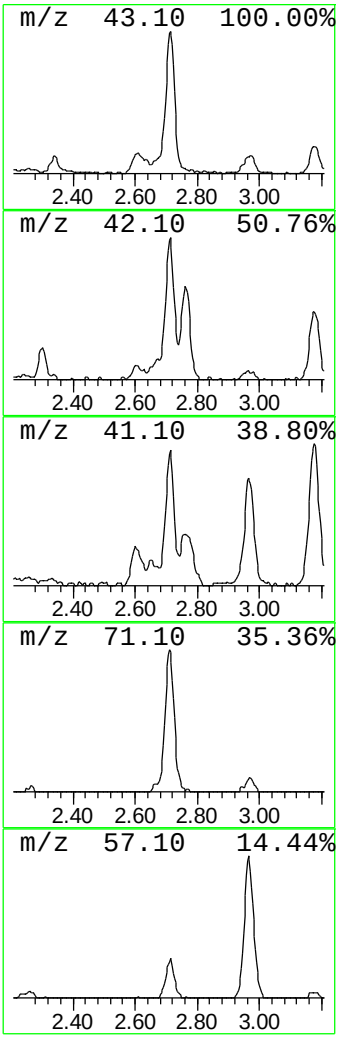
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	10.16 ug/L	100153	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	37
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

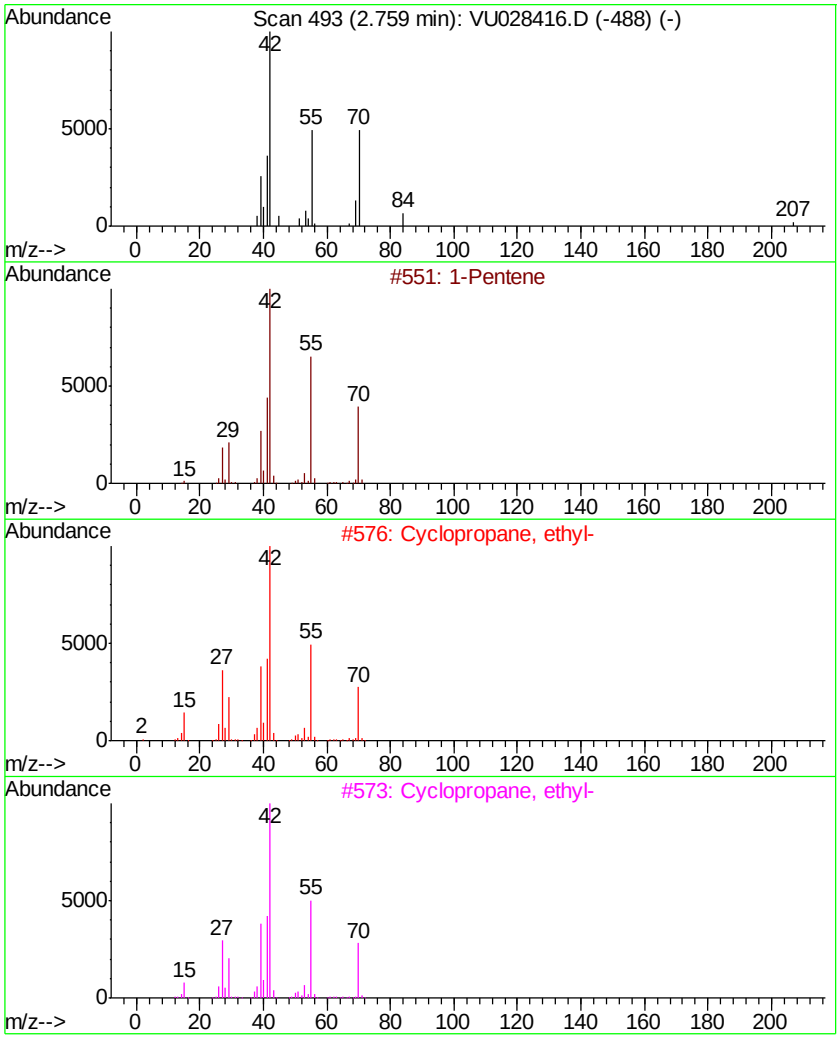
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

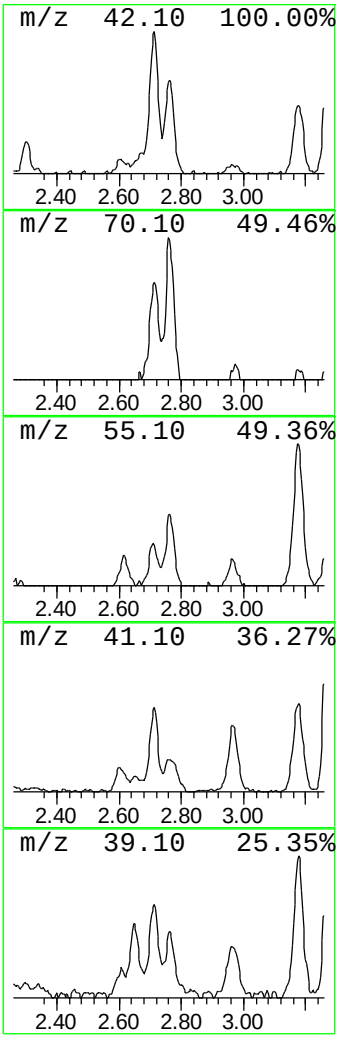
****

Peak Number 11 (DEL) Alkane: Cyclic2.76 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	3.30 ug/L	32547	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	42
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	23
5	Cyclopentane	70	C5H10	000287-92-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

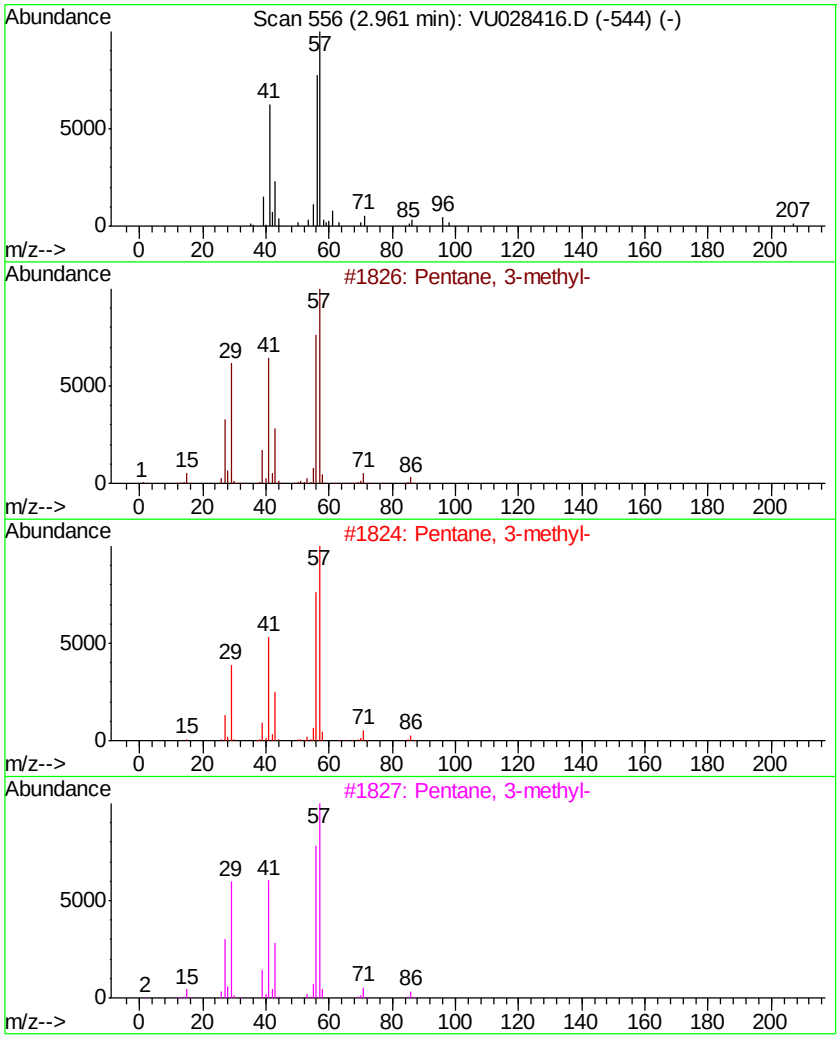
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

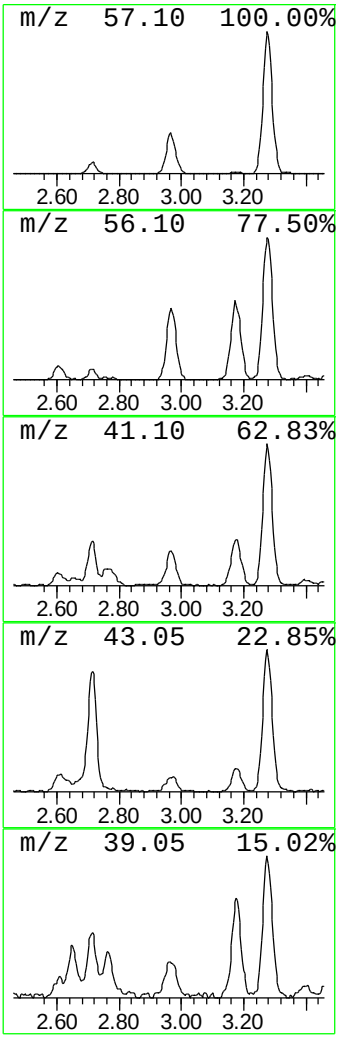
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	6.44 ug/L	63487	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	83
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	50
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

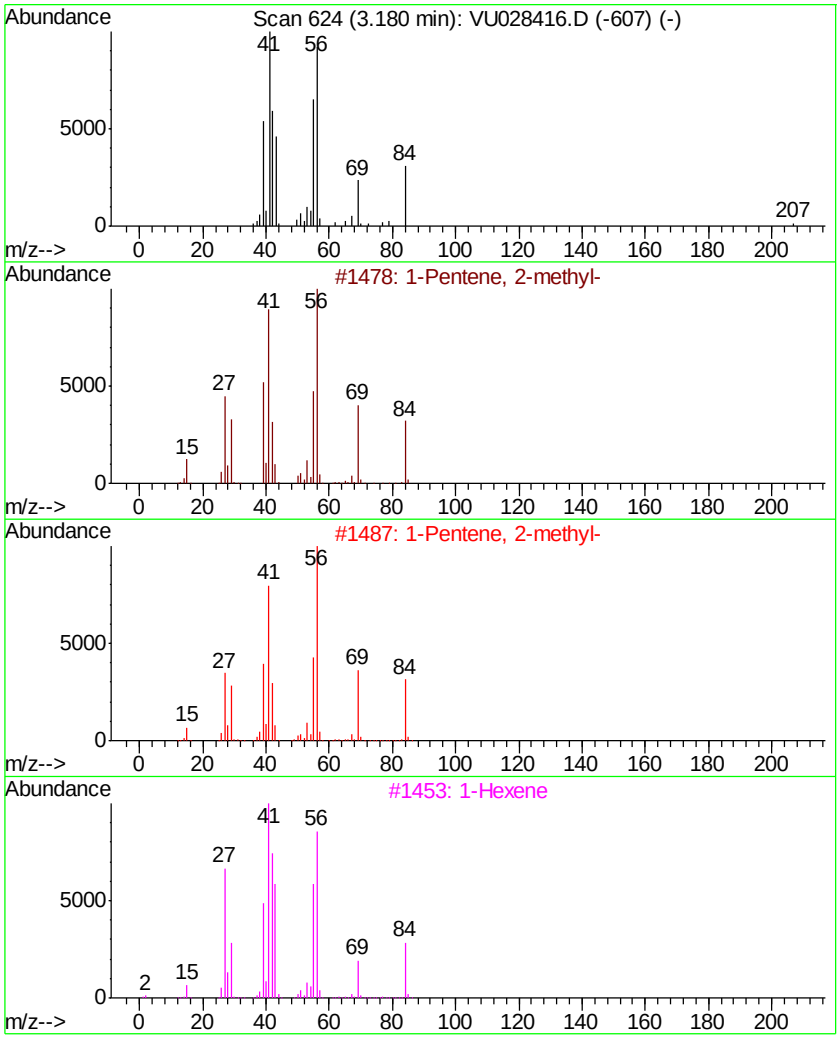
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

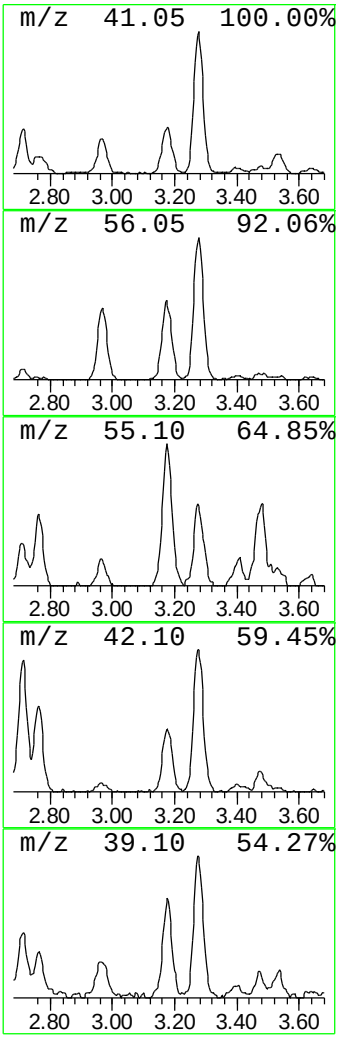
****

Peak Number 13 (DEL) Alkane: Cyclic3.18 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	8.88 ug/L	87501	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
3	1-Hexene	84	C6H12	000592-41-6	76
4	1-Hexene	84	C6H12	000592-41-6	76
5	1-Heptene	98	C7H14	000592-76-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

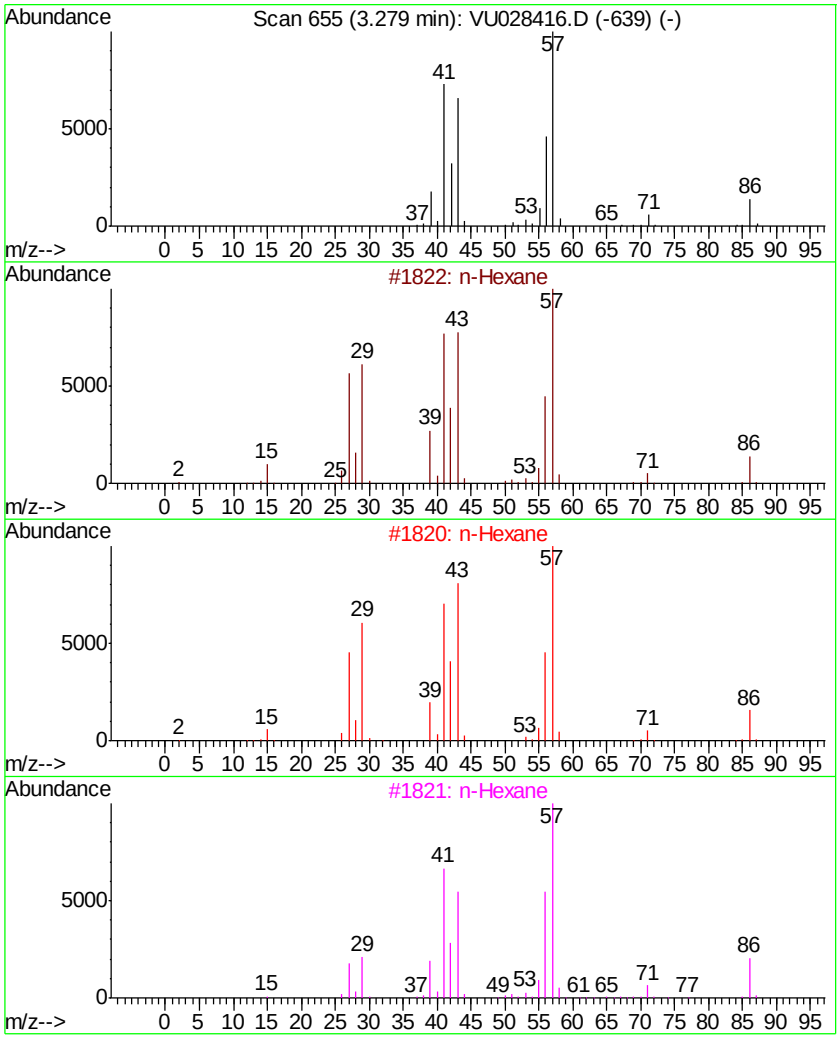
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

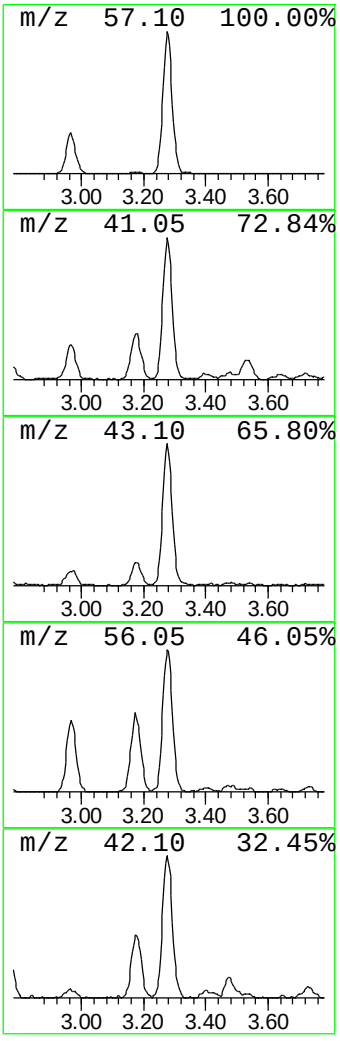
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	24.76 ug/L	243976	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	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

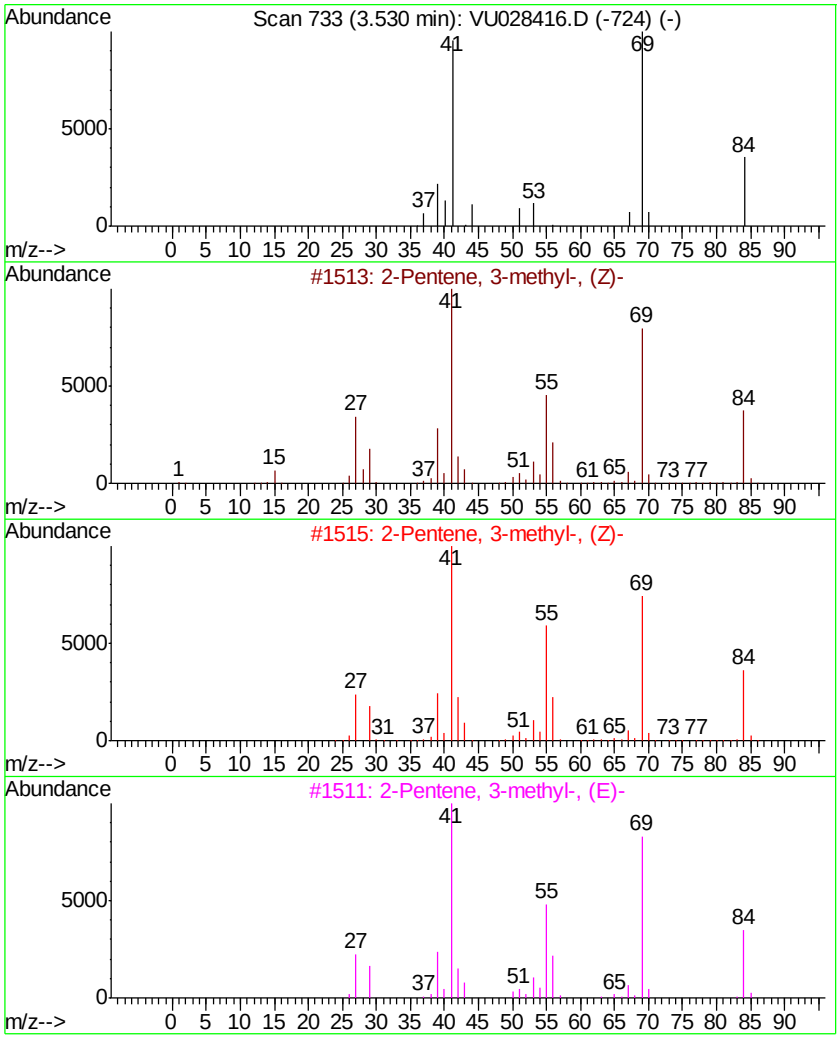
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

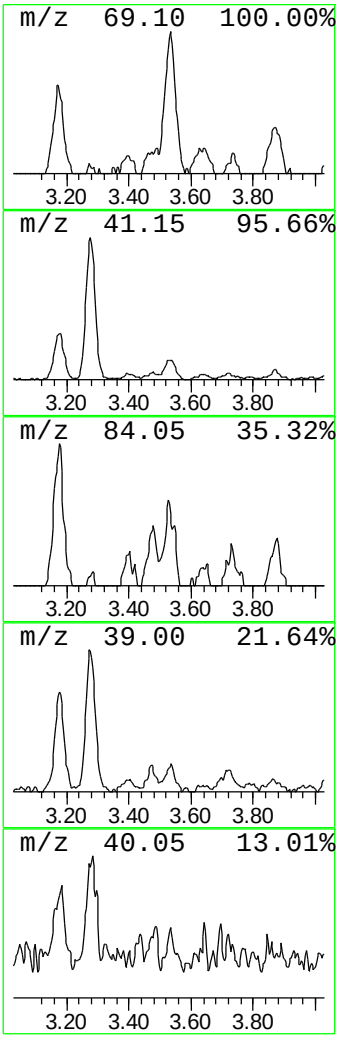
****

Peak Number 15 (DEL) Alkane: Cyclic3.53 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	2.73 ug/L	26871	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	86
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	86
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	86
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	72
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

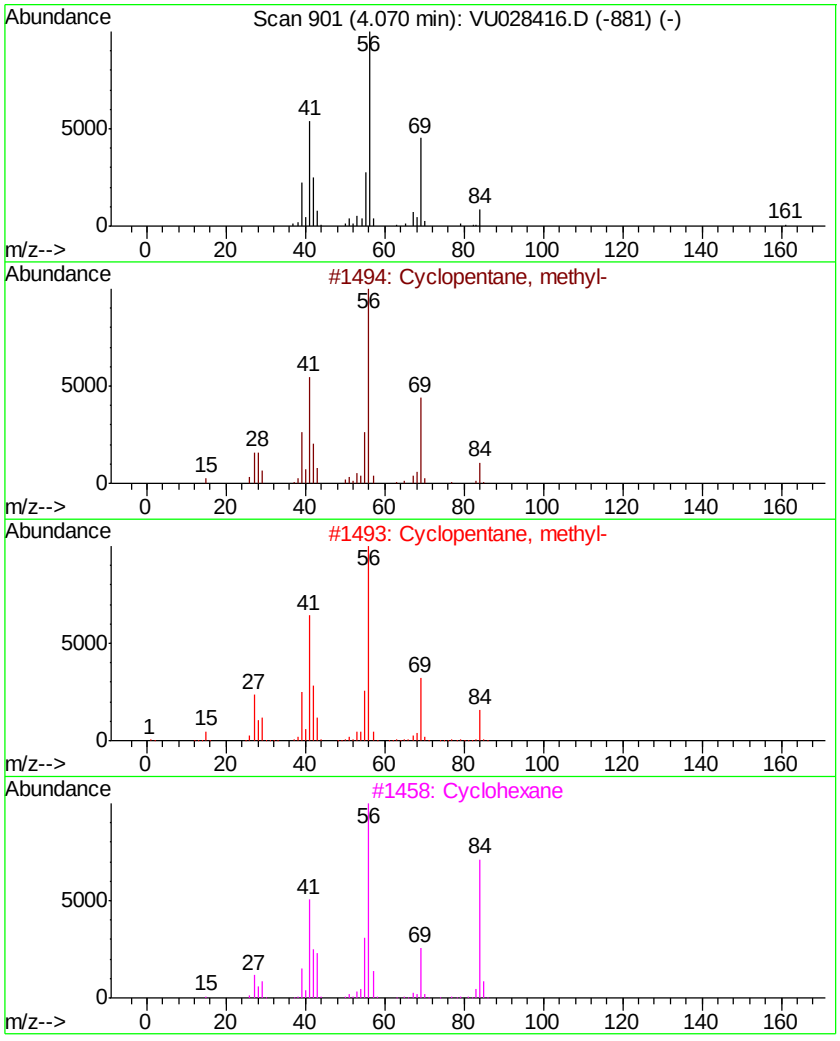
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

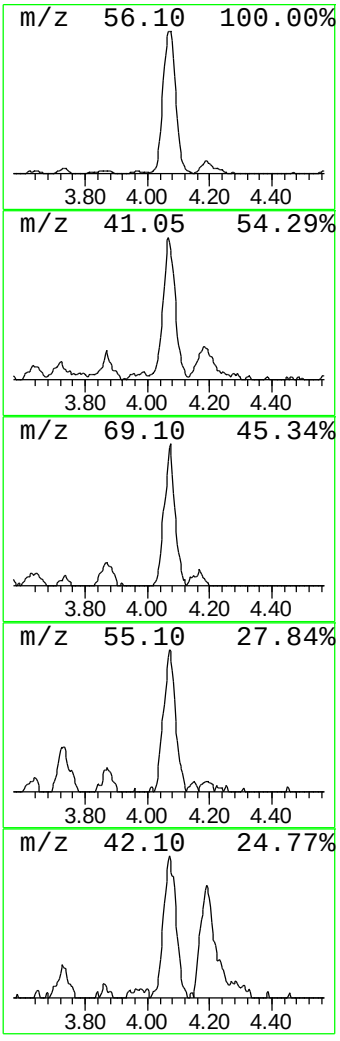
****

Peak Number 16 (DEL) Alkane: Cyclic4.07 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	12.64 ug/L	124542	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclohexane	84	C6H12	000110-82-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

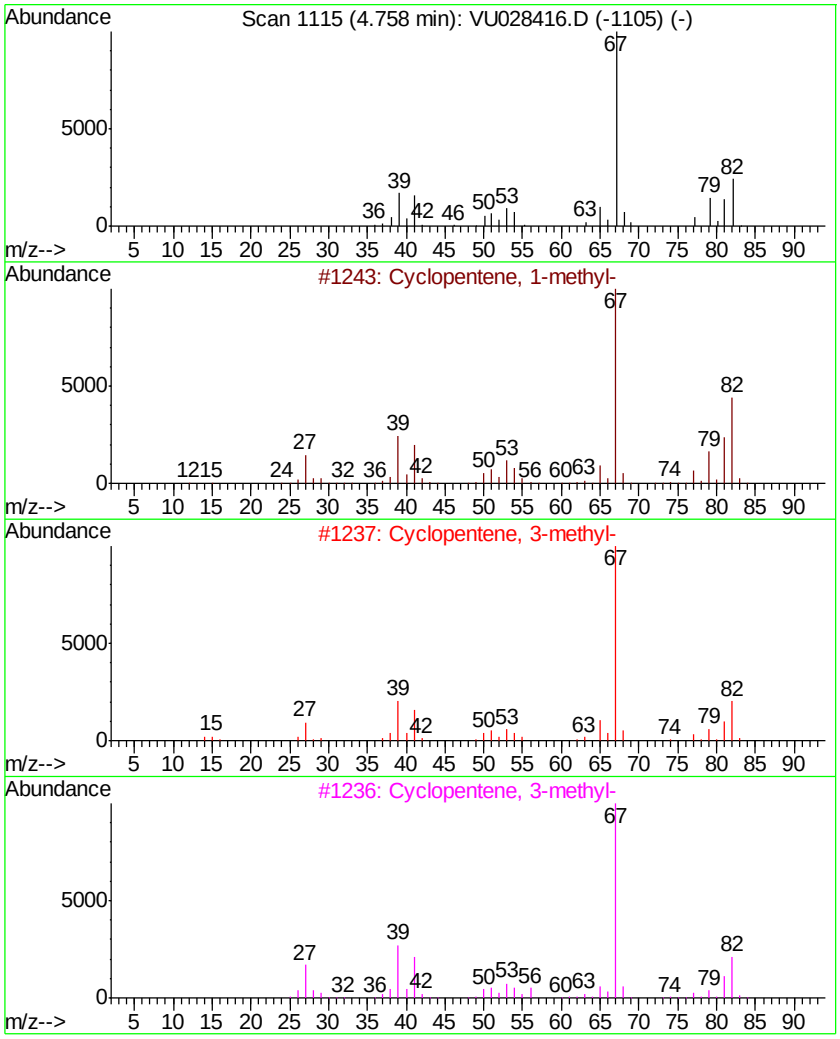
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

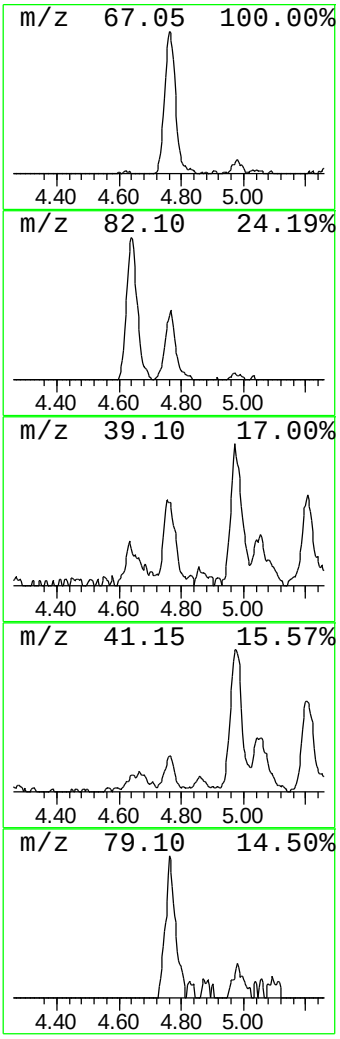
****

Peak Number 17 Cyclopentene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	6.27 ug/L	61780	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

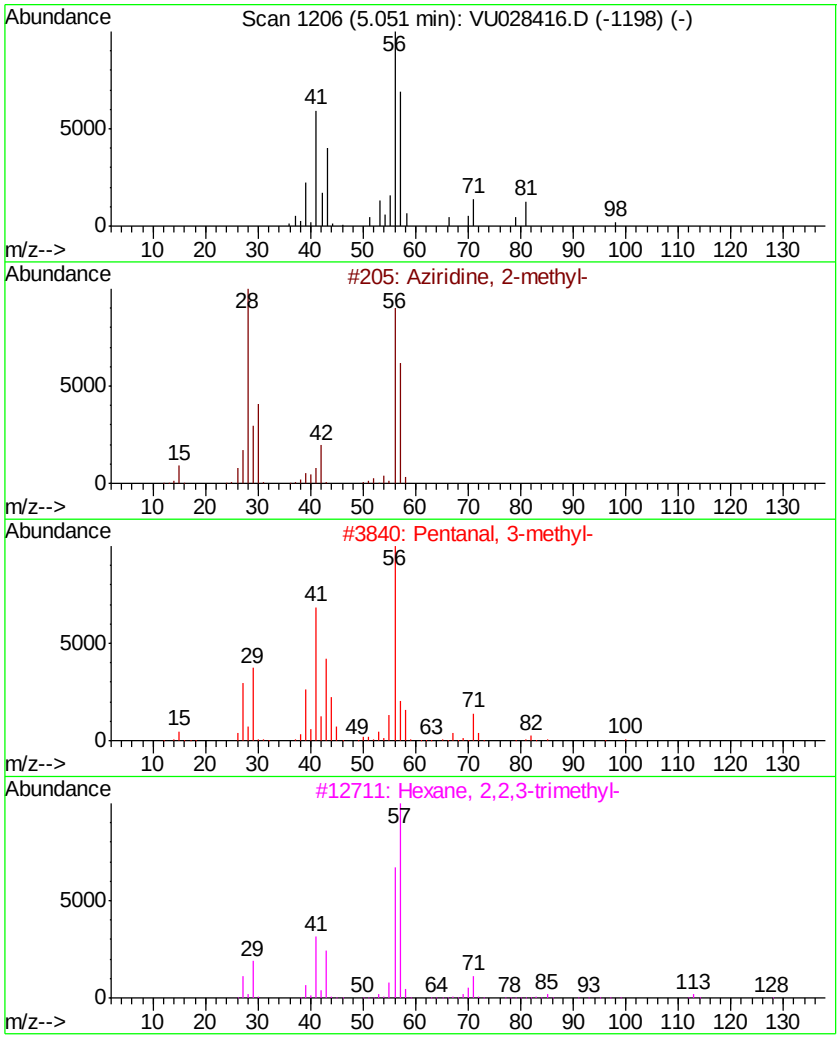
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

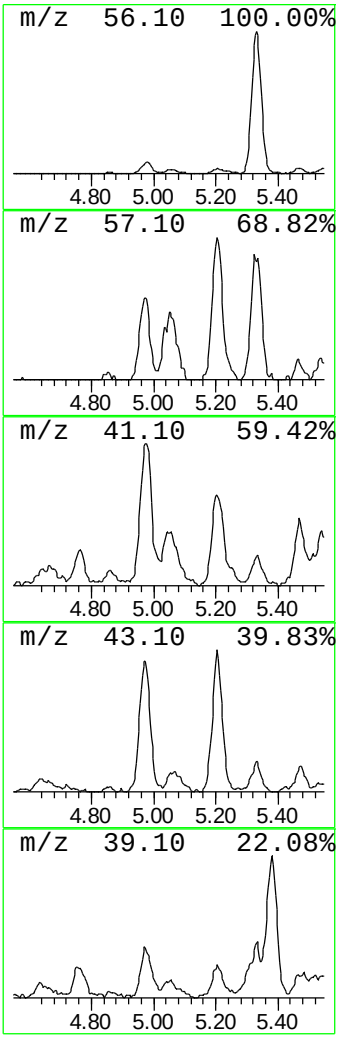
****

Peak Number 18 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	4.72 ug/L	46483	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	42
2	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	38
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	33
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	33
5	Cyclobutane	56	C4H8	000287-23-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

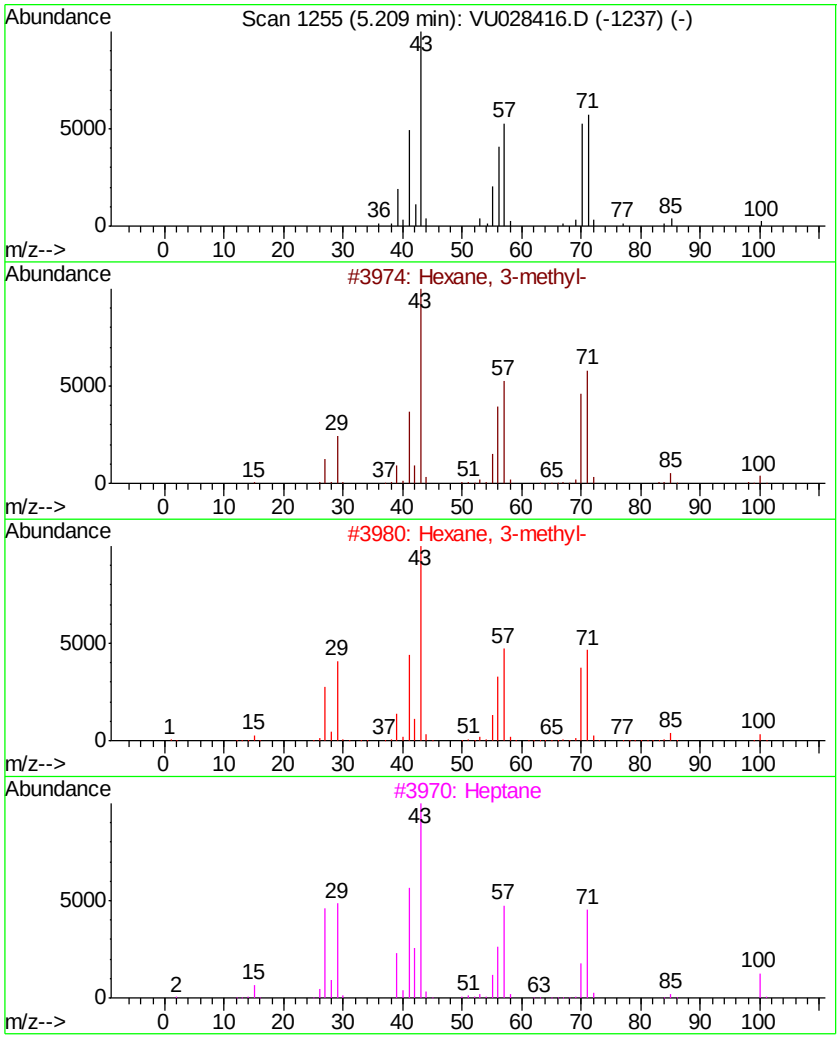
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

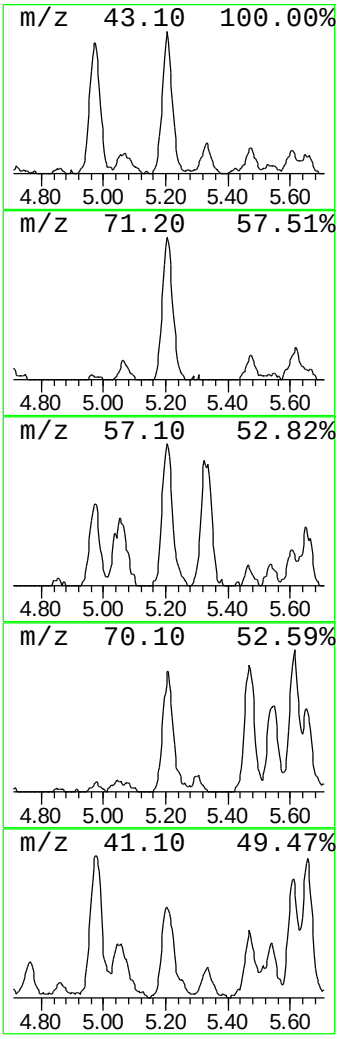
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	10.71 ug/L	105551	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

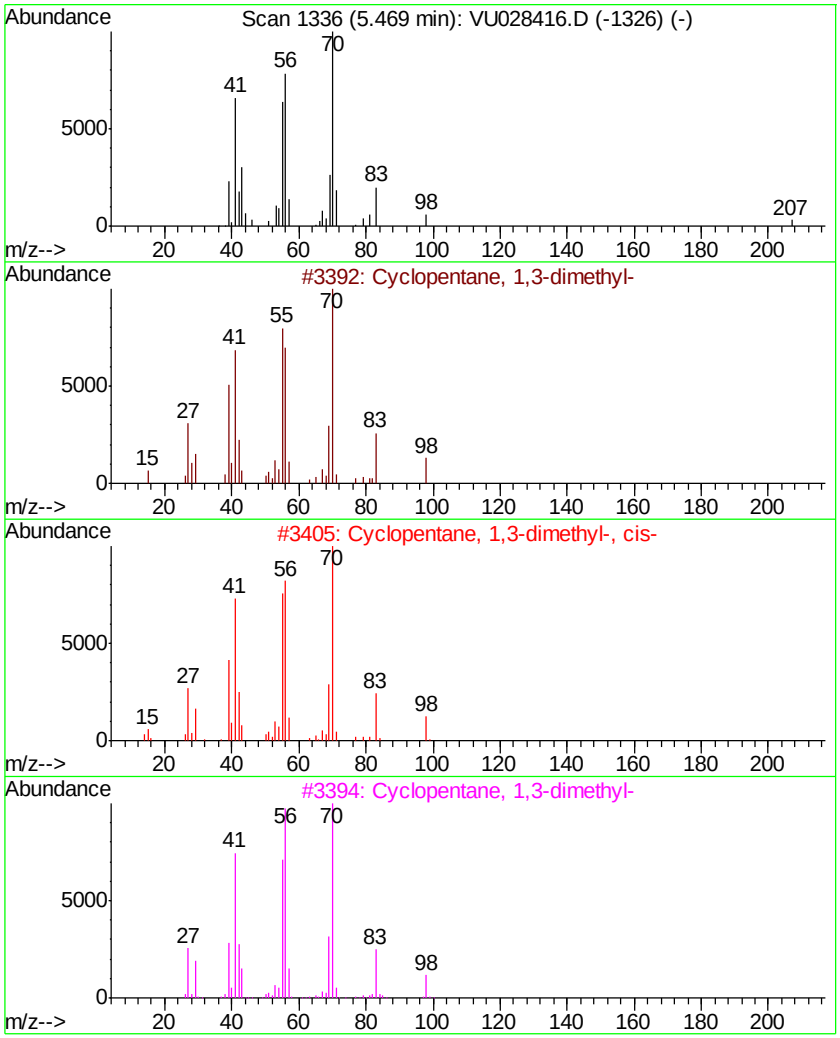
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

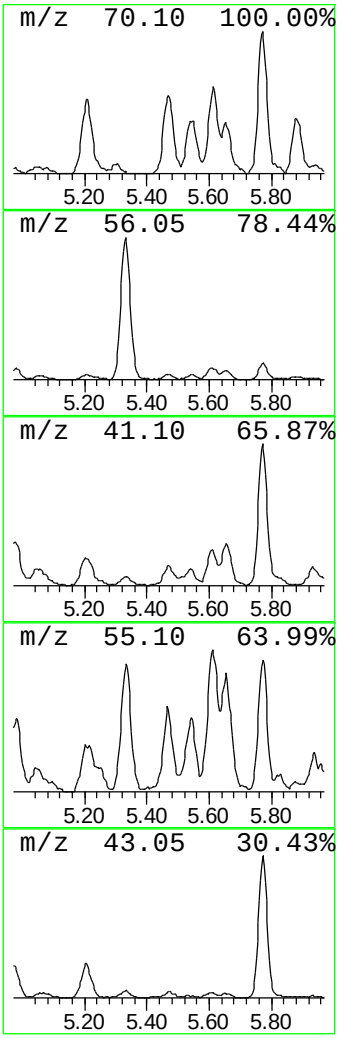
****

Peak Number 20 (DEL) Alkane: Cyclic5.47 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	4.76 ug/L	46944	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

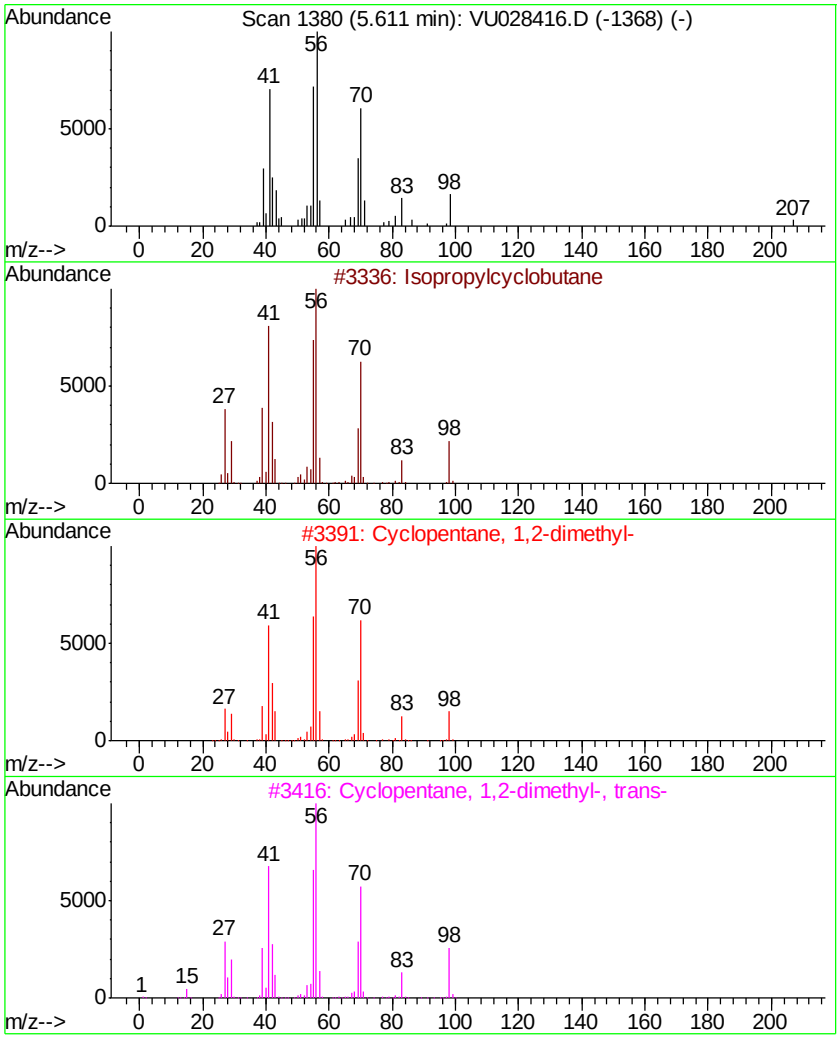
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

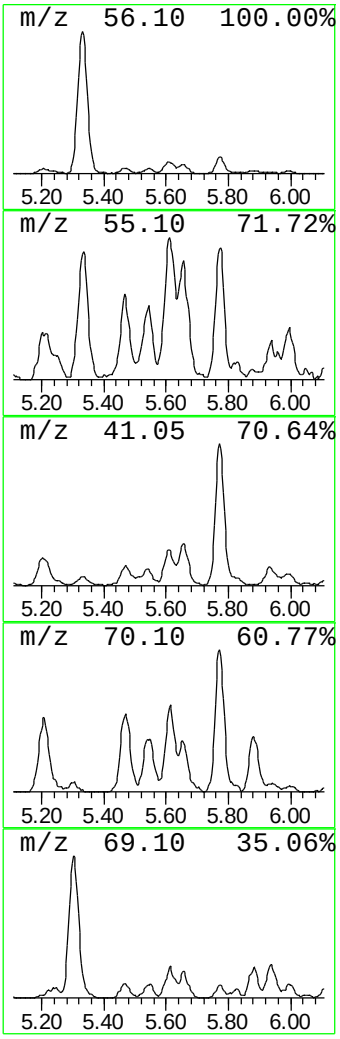
****

Peak Number 21 (DEL) Alkane: Cyclic5.61 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	9.25 ug/L	91151	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
5	1-Heptene	98	C7H14	000592-76-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

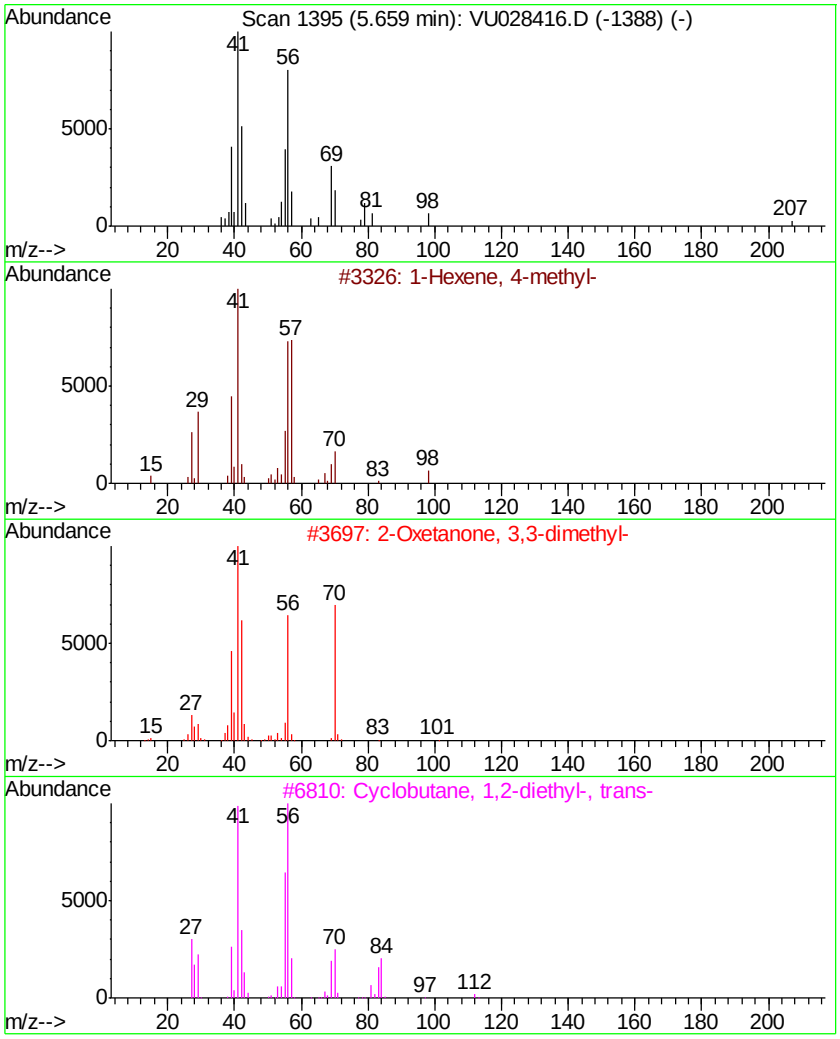
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

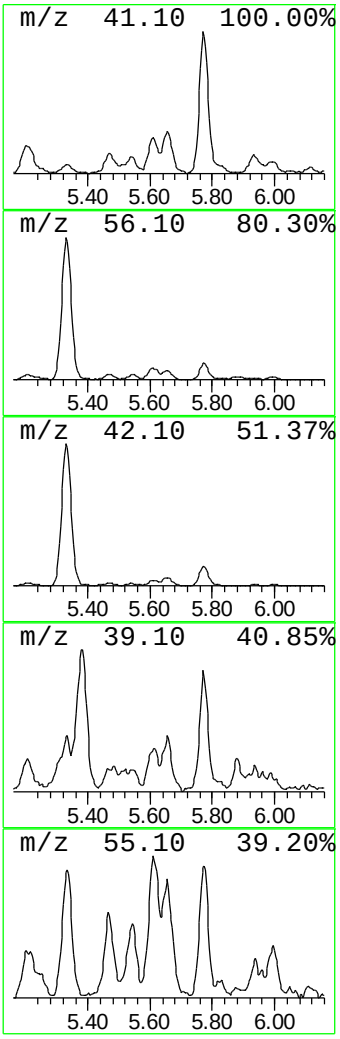
****

Peak Number 22 (DEL) Alkane: Cyclic5.66 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	8.32 ug/L	81947	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	64
2	2-Oxetanone, 3,3-dimethyl-	100	C5H8O2	001955-45-9	64
3	Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	50
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	42
5	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

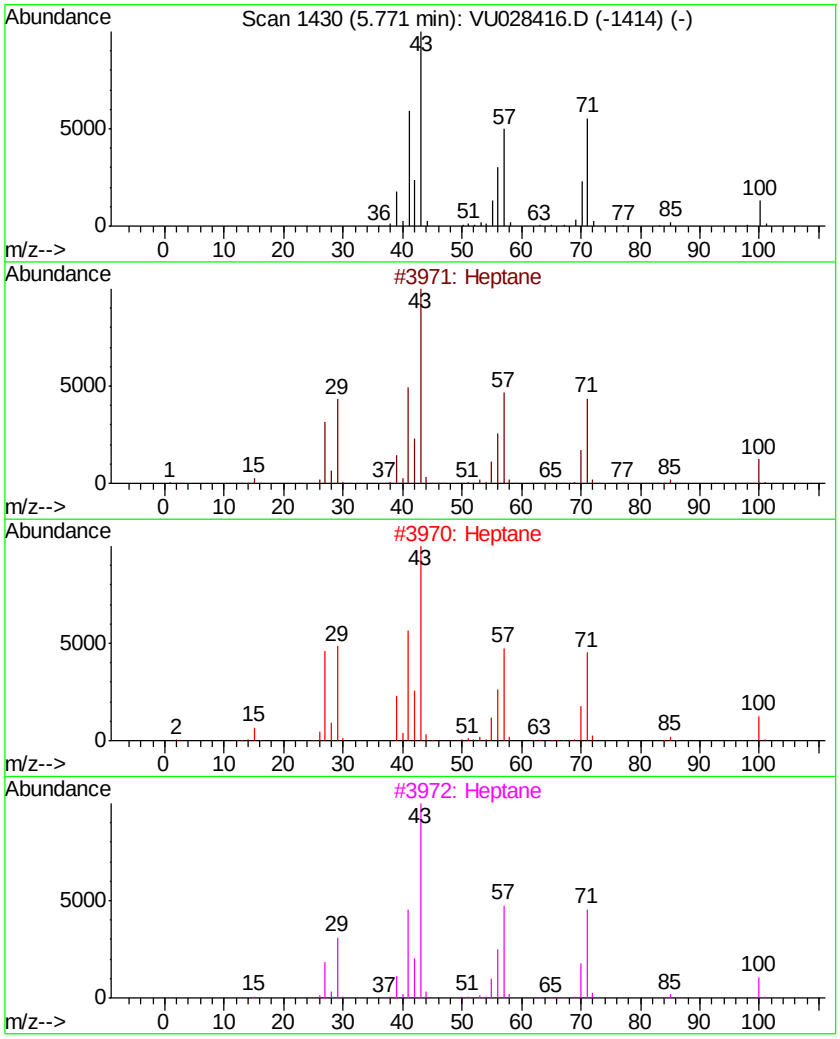
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

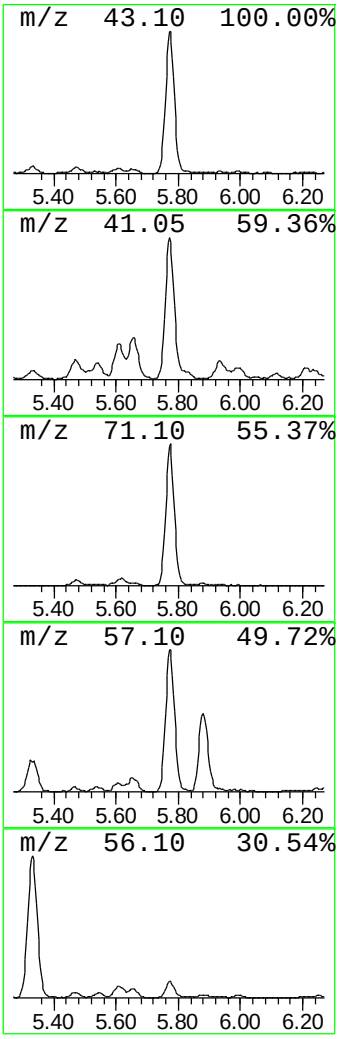
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	33.43 ug/L	329422	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

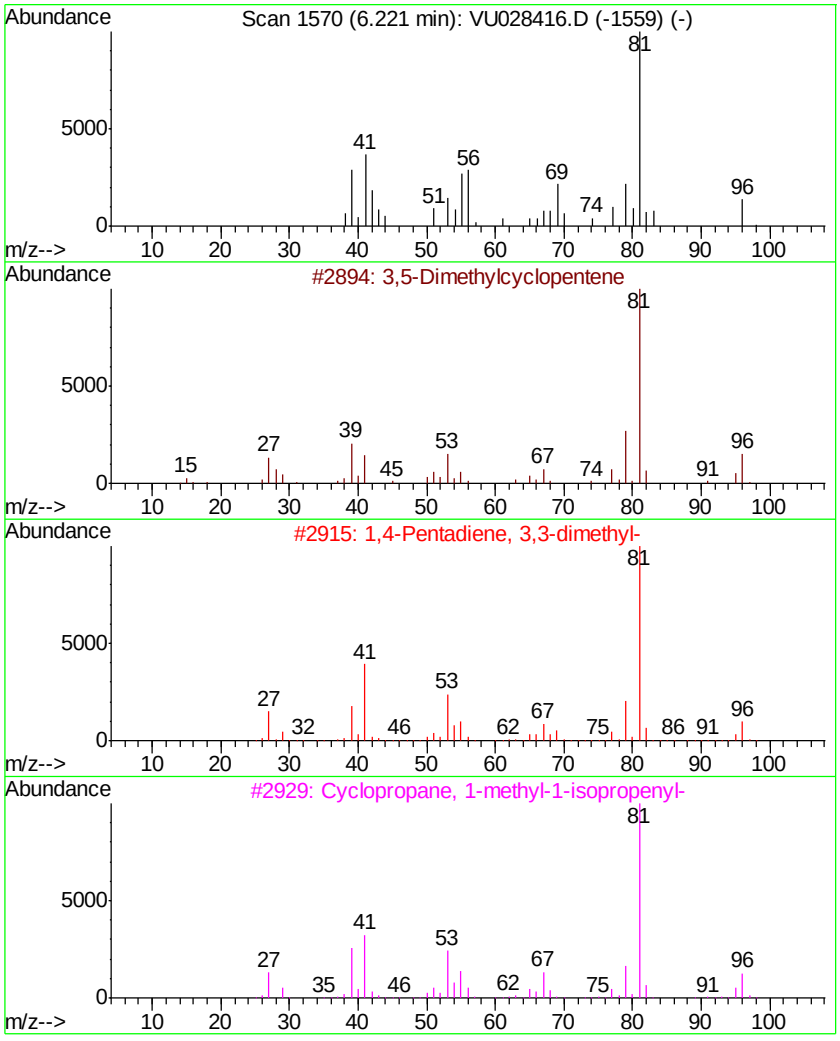
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

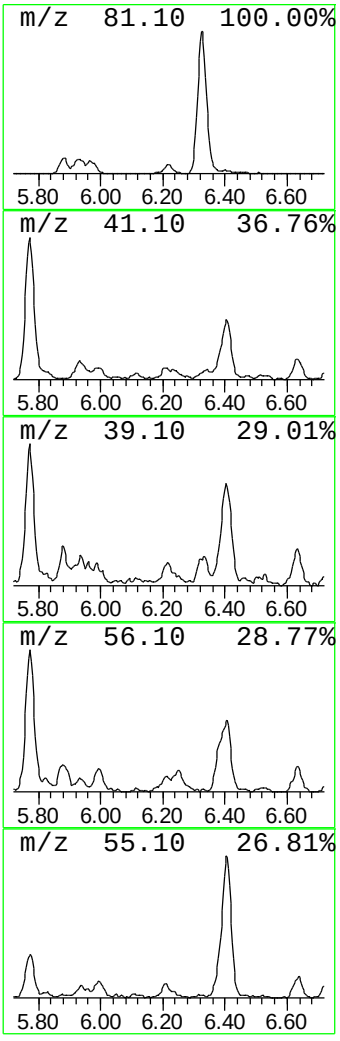
****

Peak Number 24 unknown-03 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	3.65 ug/L	35933	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	49
2	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	49
3	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	43
4	2,4-Dimethyl 1,4-pentadiene	96	C7H12	004161-65-3	43
5	1-Hexyne, 5-methyl-	96	C7H12	002203-80-7	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

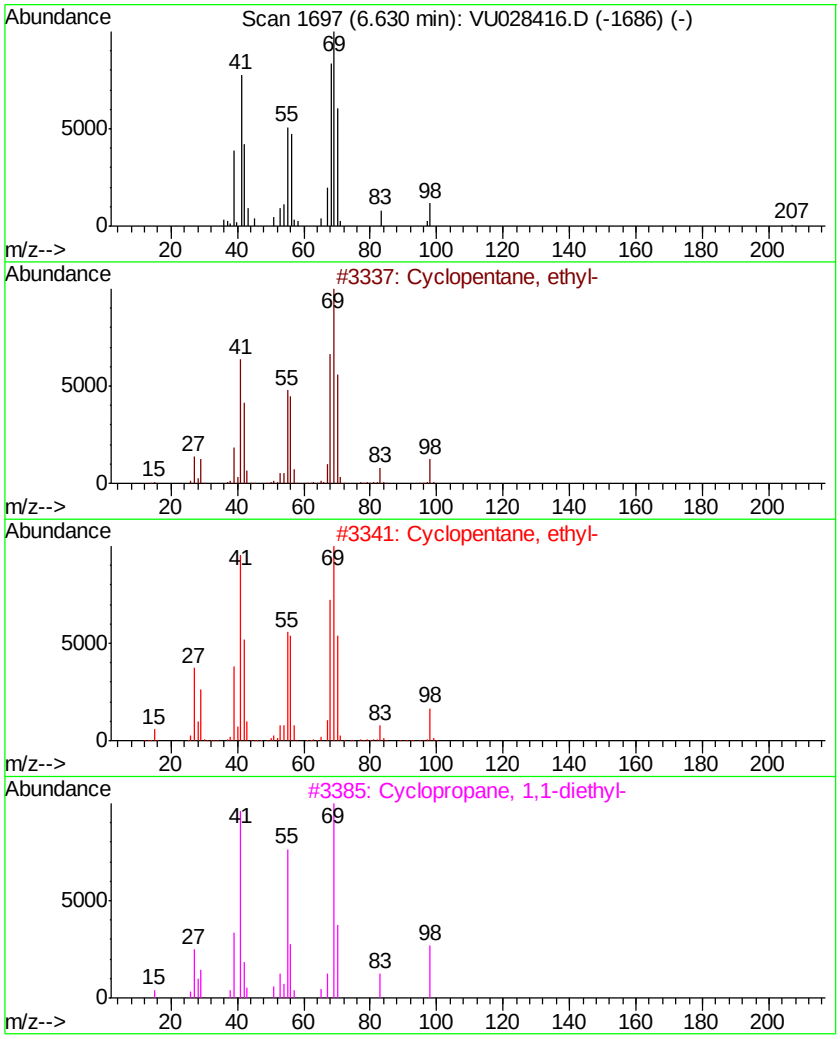
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

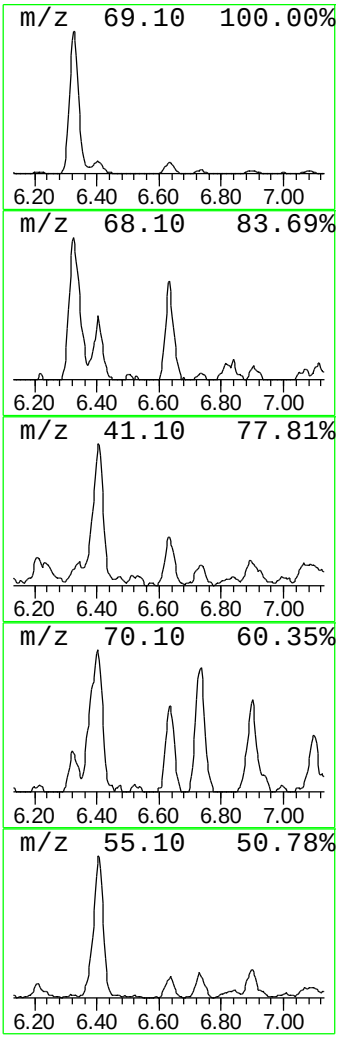
****

Peak Number 25 (DEL) Alkane: Cyclic6.63 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	5.48 ug/L	54053	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	38
5	Cyclopentane, 2-propenyl-	110	C8H14	003524-75-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

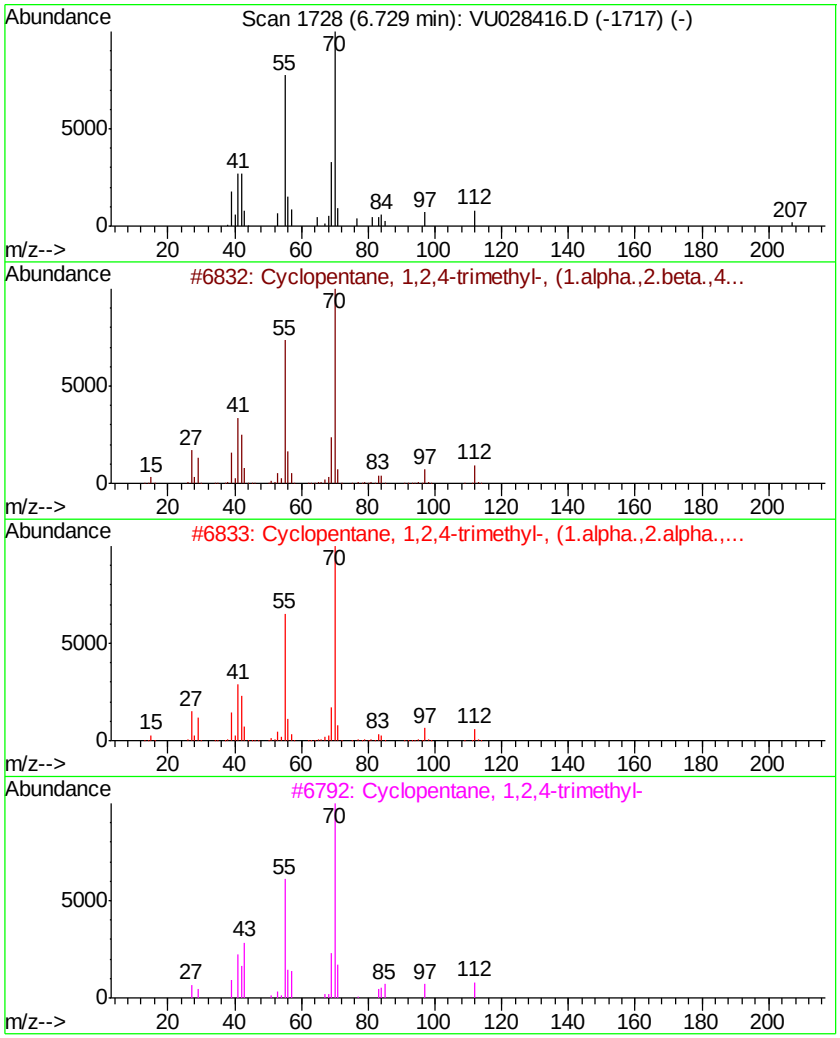
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

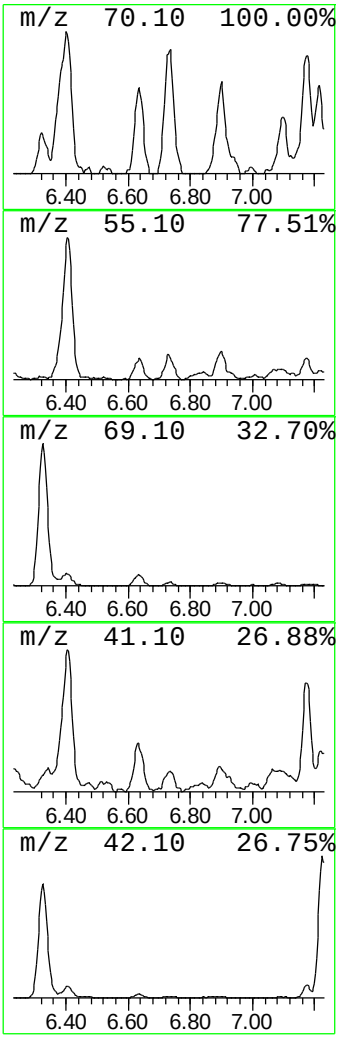
****

Peak Number 26 (DEL) Alkane: Cyclic6.73 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	3.53 ug/L	34812	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
5	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

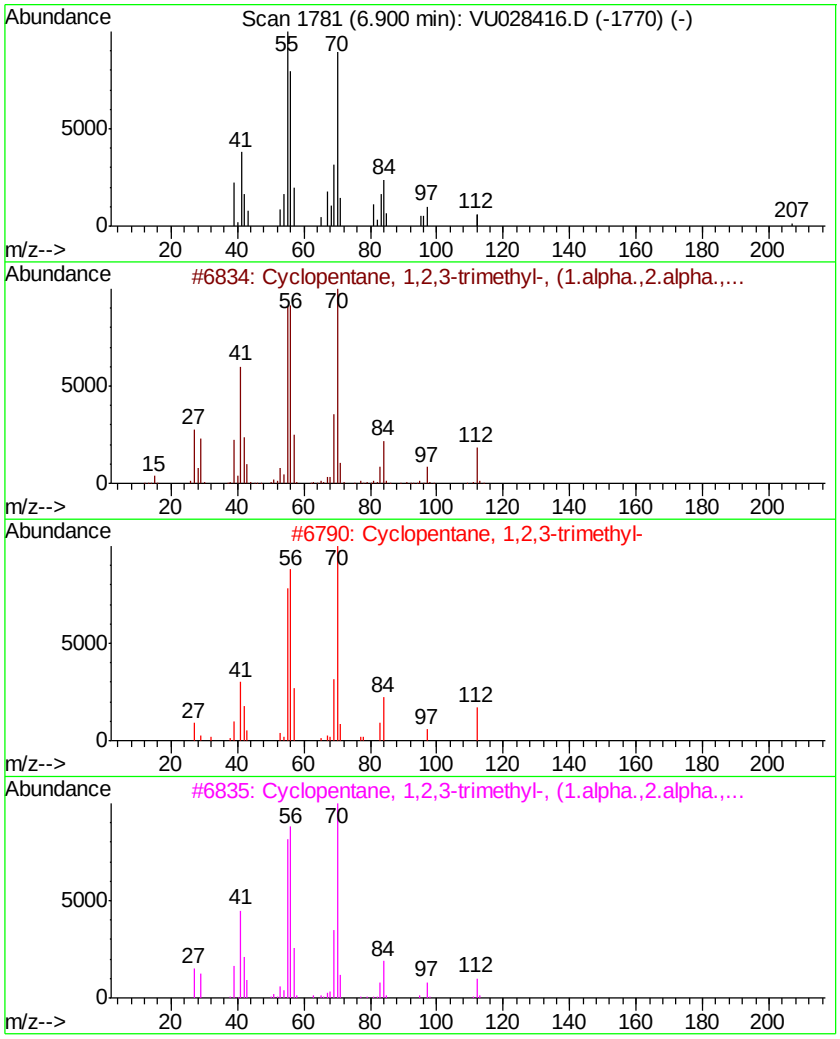
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

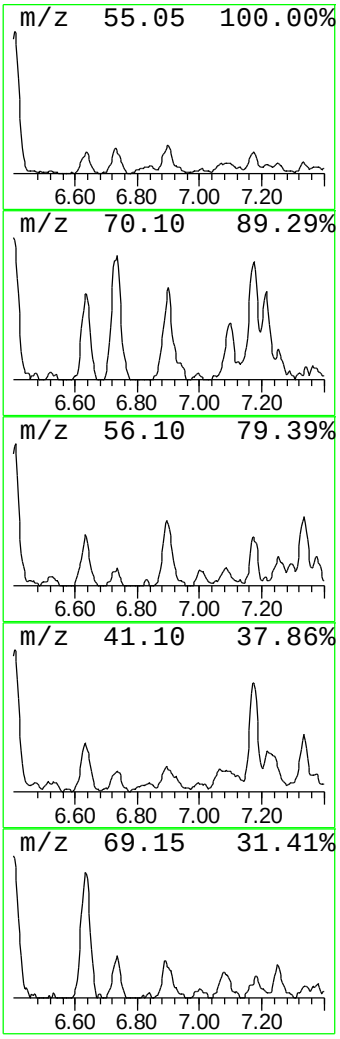
****

Peak Number 27 (DEL) Alkane: Cyclic6.90 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	6.10 ug/L	60090	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	72
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	64
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

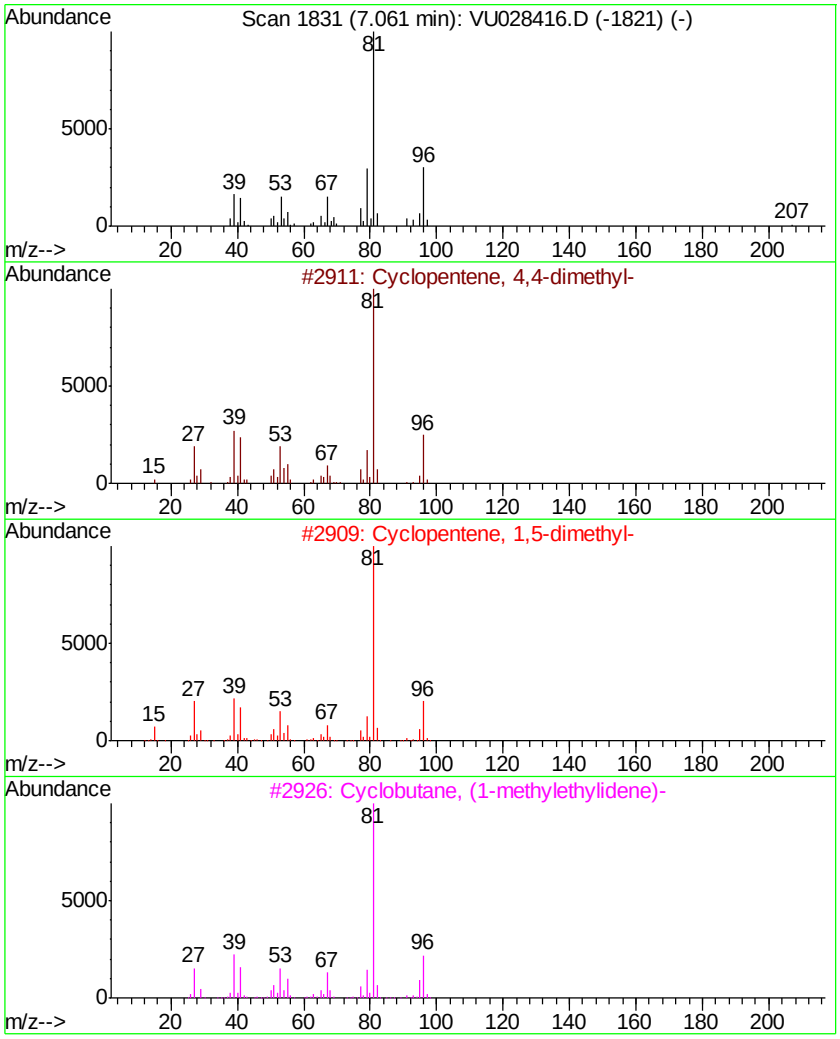
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

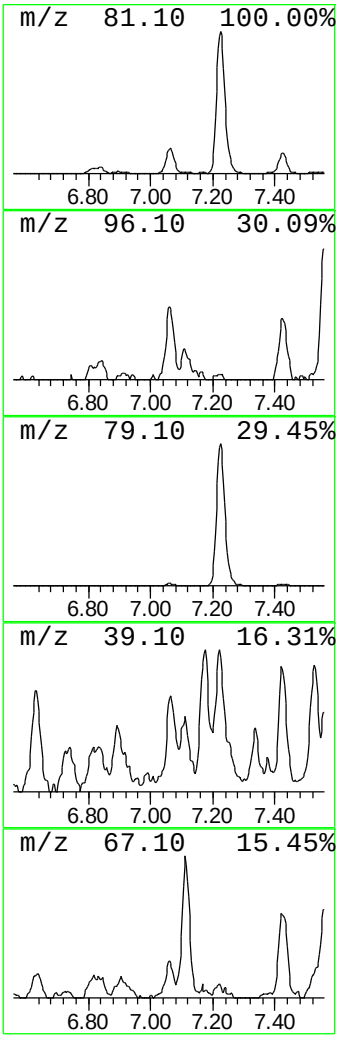
****

Peak Number 28 Cyclopentene, 4,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	5.82 ug/L	57374	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	83
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	72
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

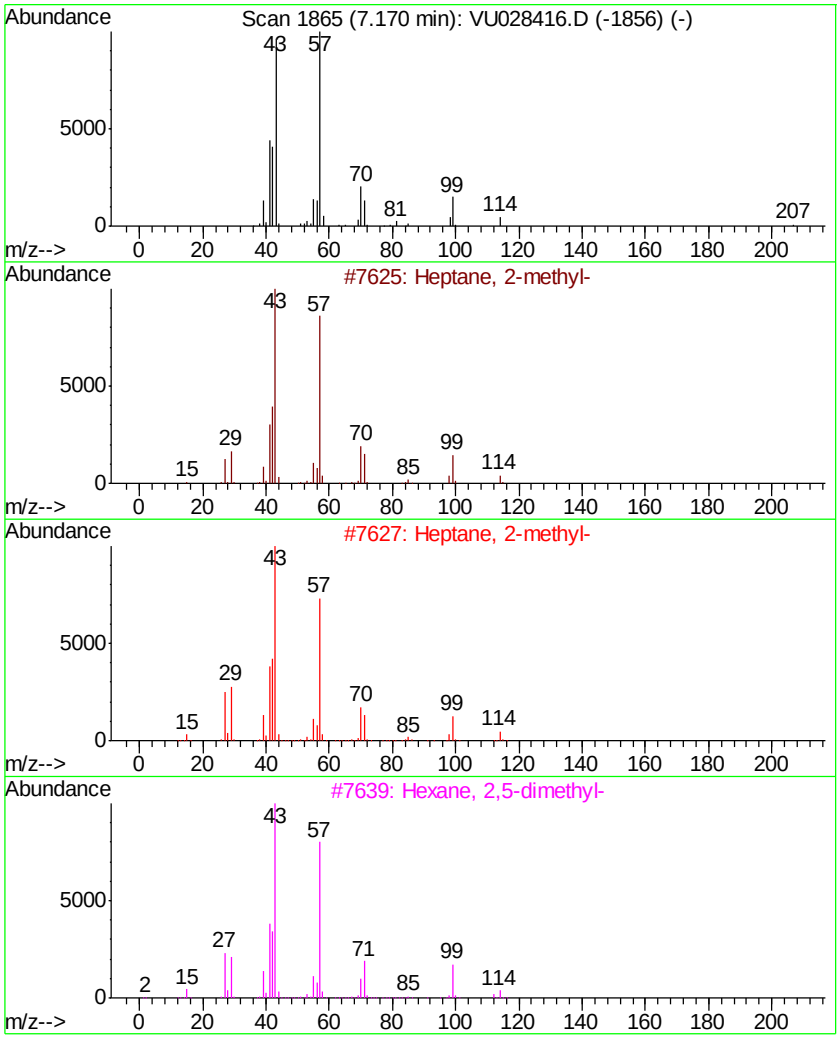
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

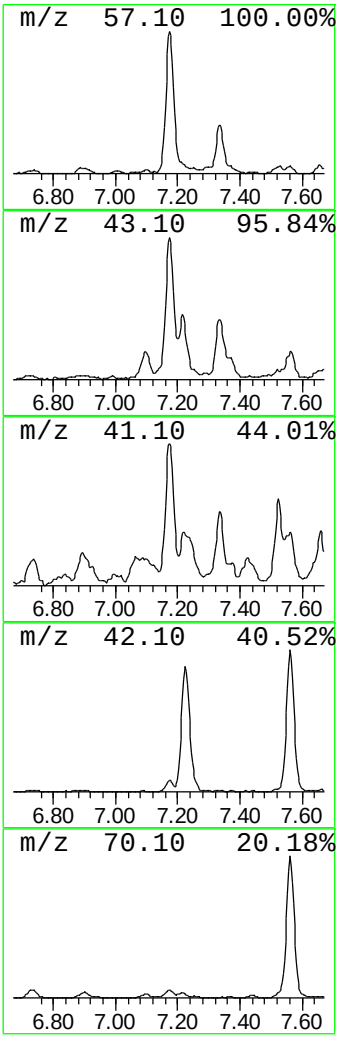
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	10.89 ug/L	107367	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	52
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

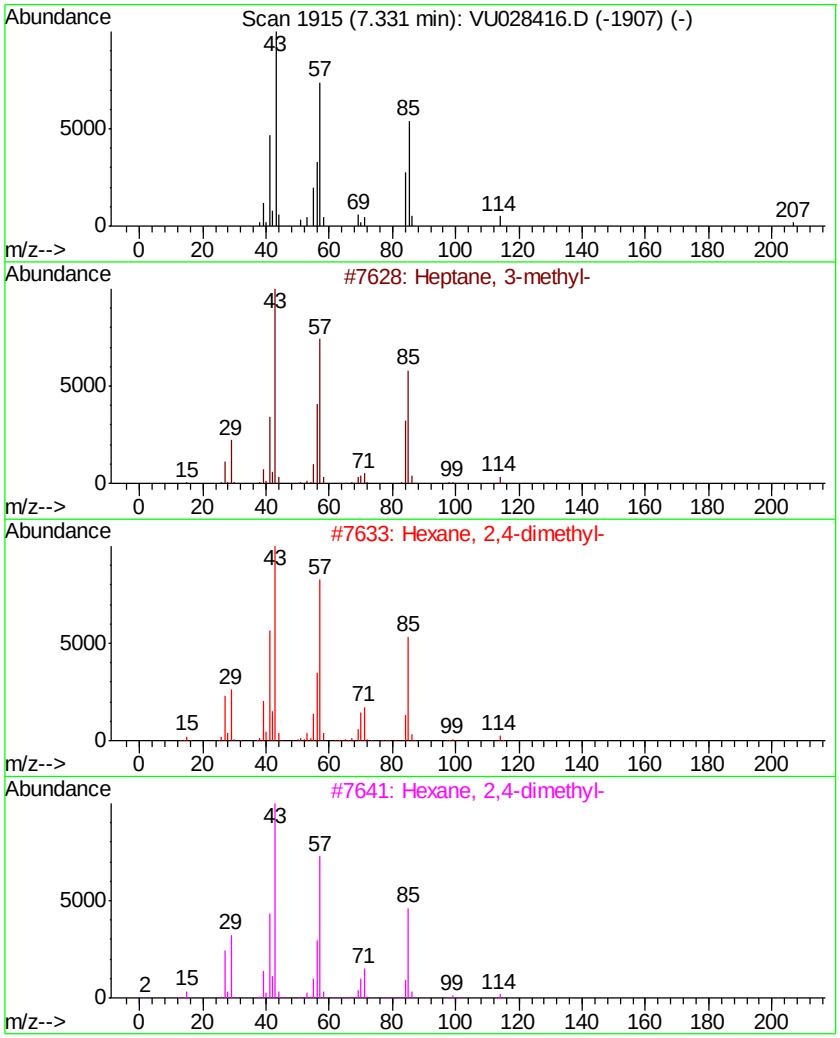
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

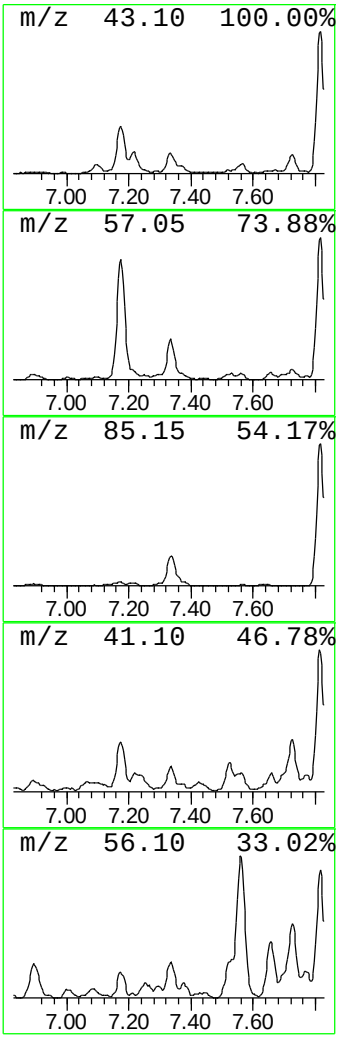
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	4.92 ug/L	48514	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	87
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

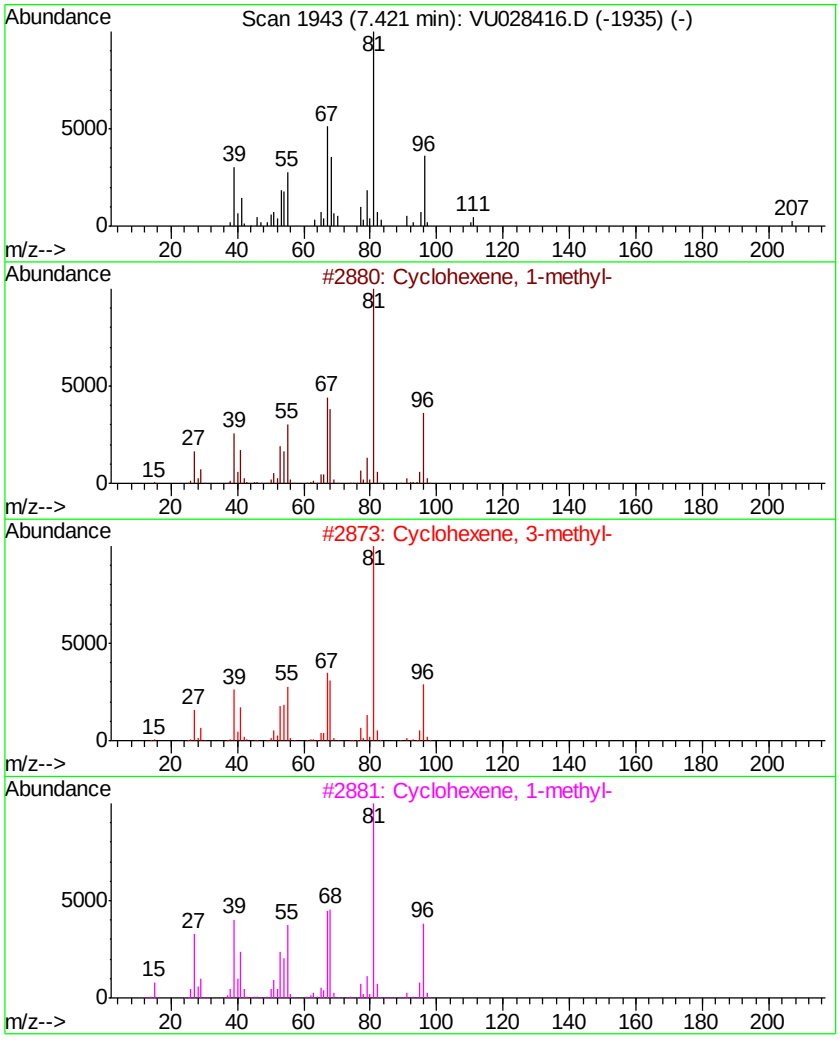
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

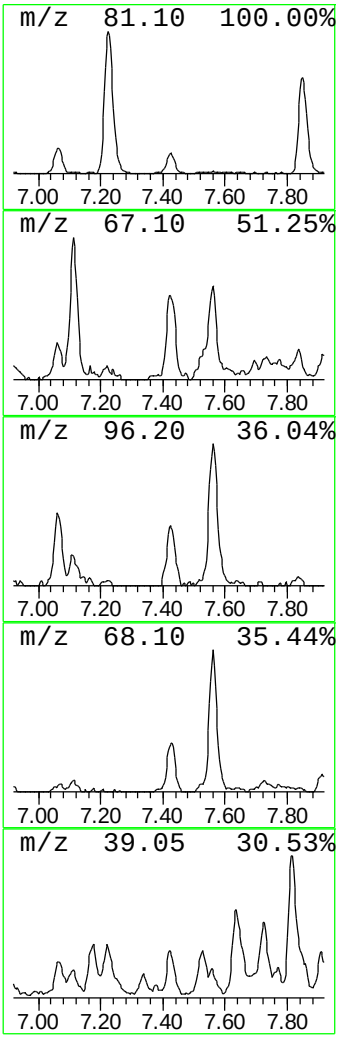
****

Peak Number 32 Cyclohexene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	6.49 ug/L	64003	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	97
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	97
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

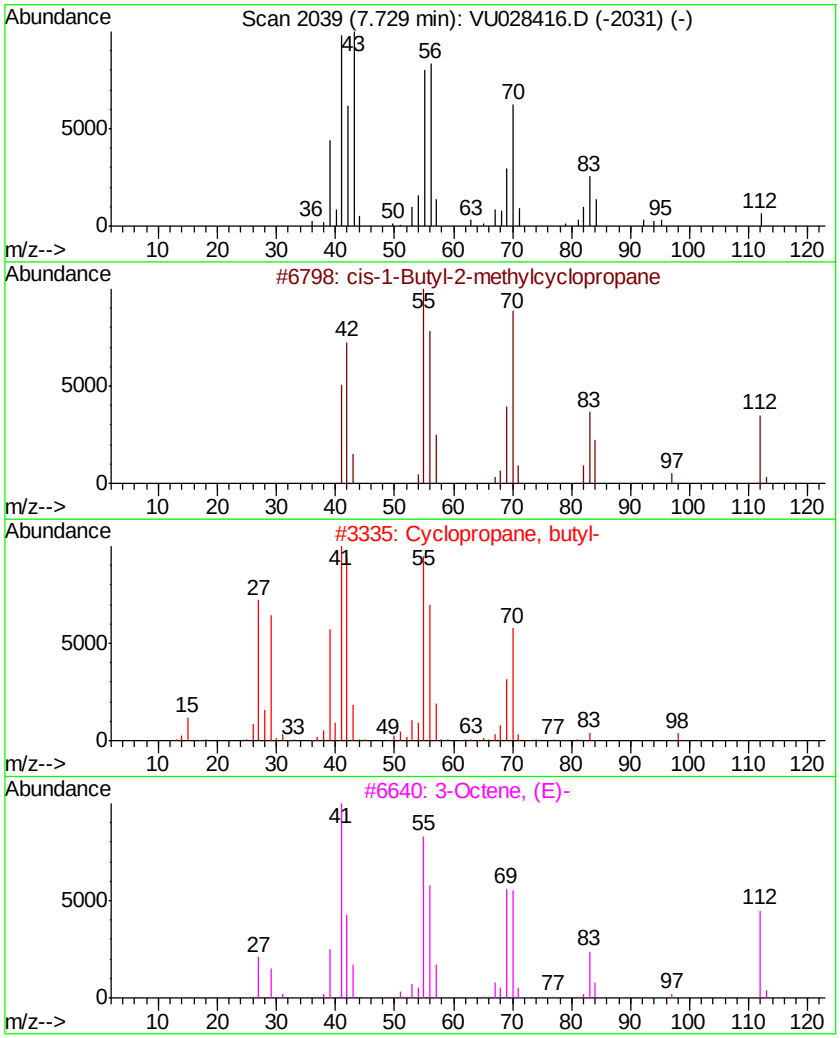
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

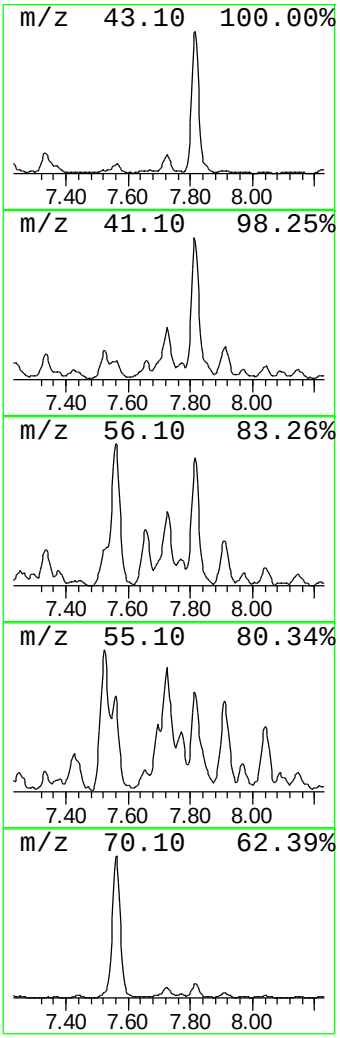
****

Peak Number 33 (DEL) Alkane: Cyclic7.73 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	5.17 ug/L	63868	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	81
2	Cyclopropane, butyl-	98	C7H14	000930-57-4	80
3	3-Octene, (E)-	112	C8H16	014919-01-8	80
4	2-Octene, (Z)-	112	C8H16	007642-04-8	80
5	2-Octene, (Z)-	112	C8H16	007642-04-8	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

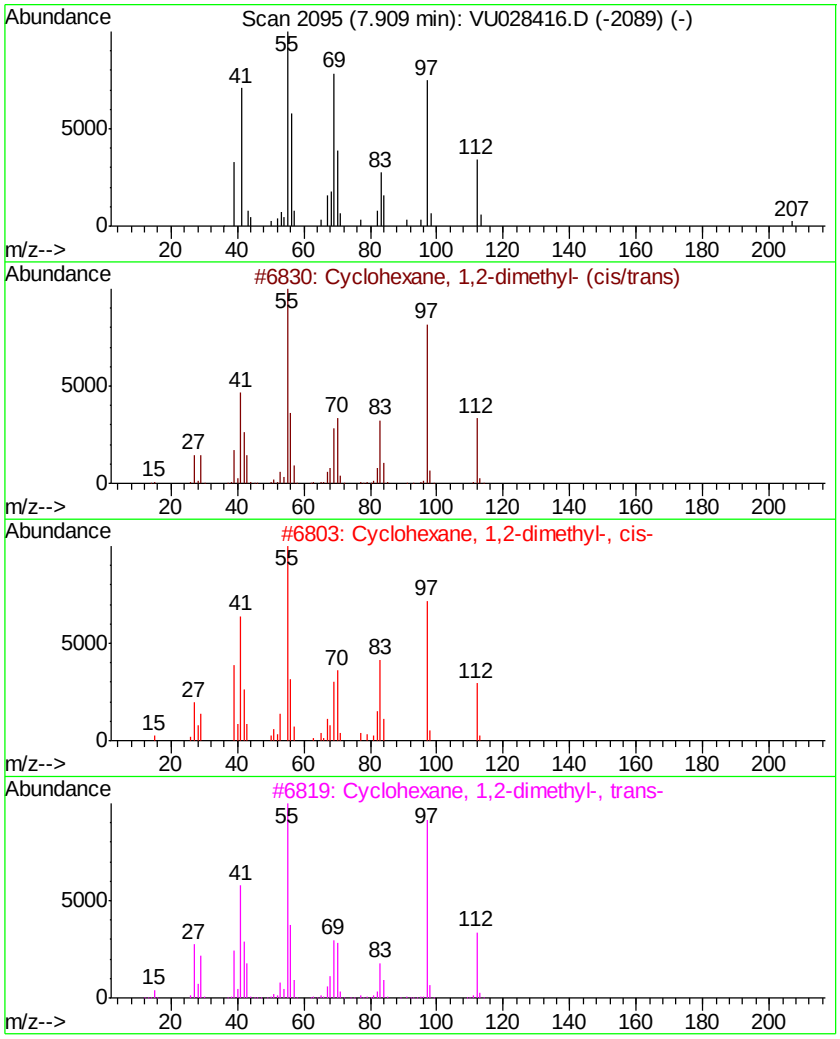
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

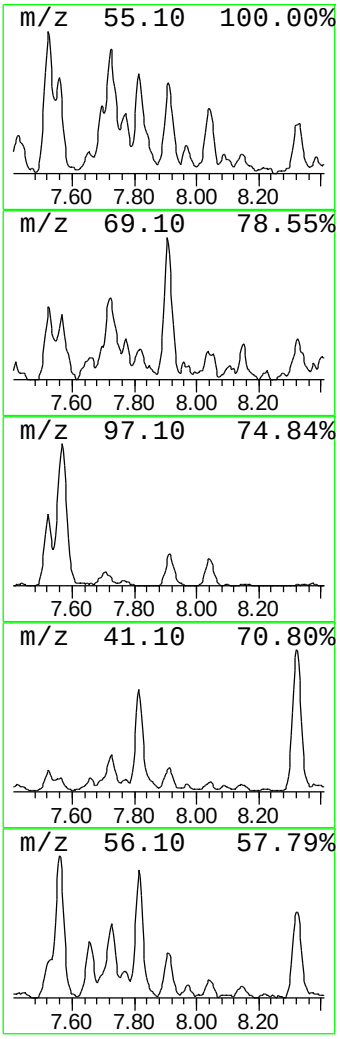
****

Peak Number 34 (DEL) Alkane: Cyclic7.91 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	5.66 ug/L	69972	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	53
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	49
4	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	49
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

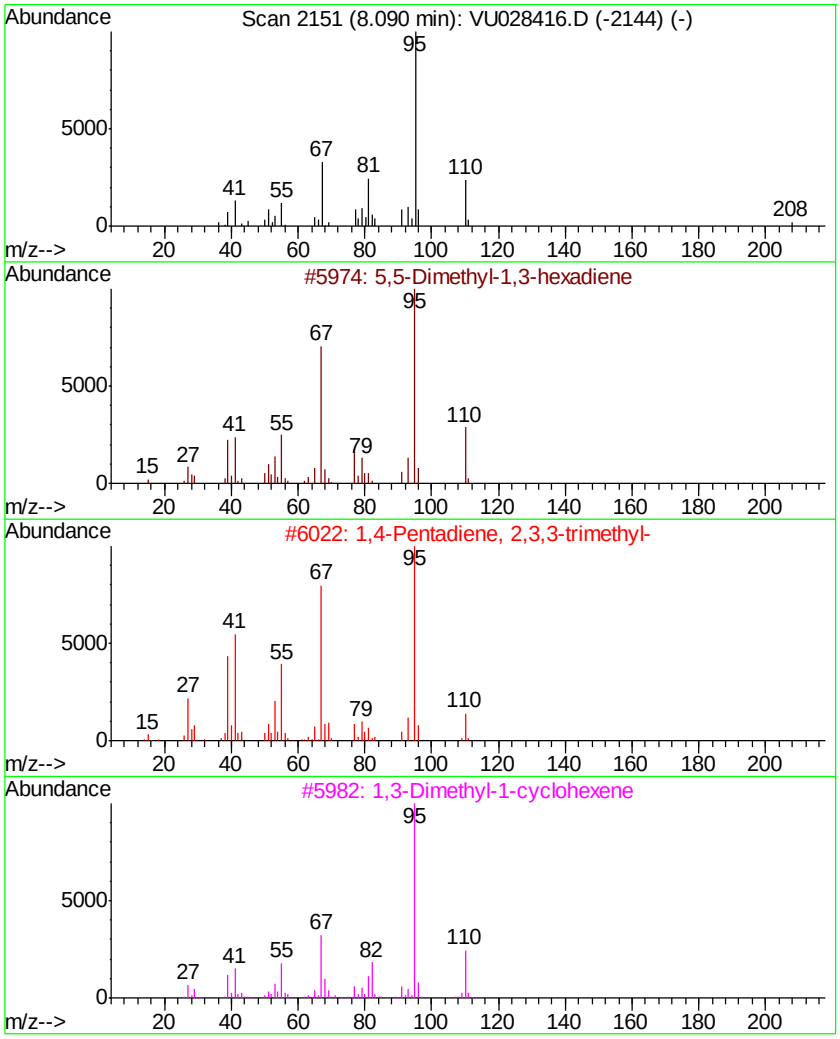
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

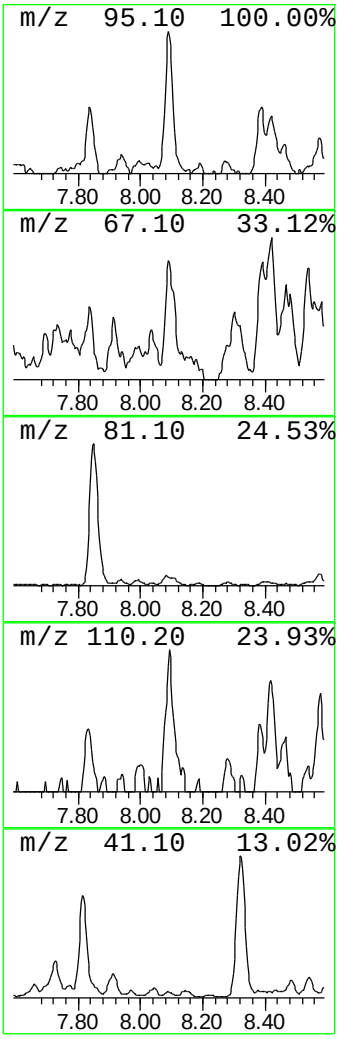
****

Peak Number 35 5,5-Dimethyl-1,3-hexadiene Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	2.79 ug/L	34495	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	91
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	90
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	78
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78
5	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

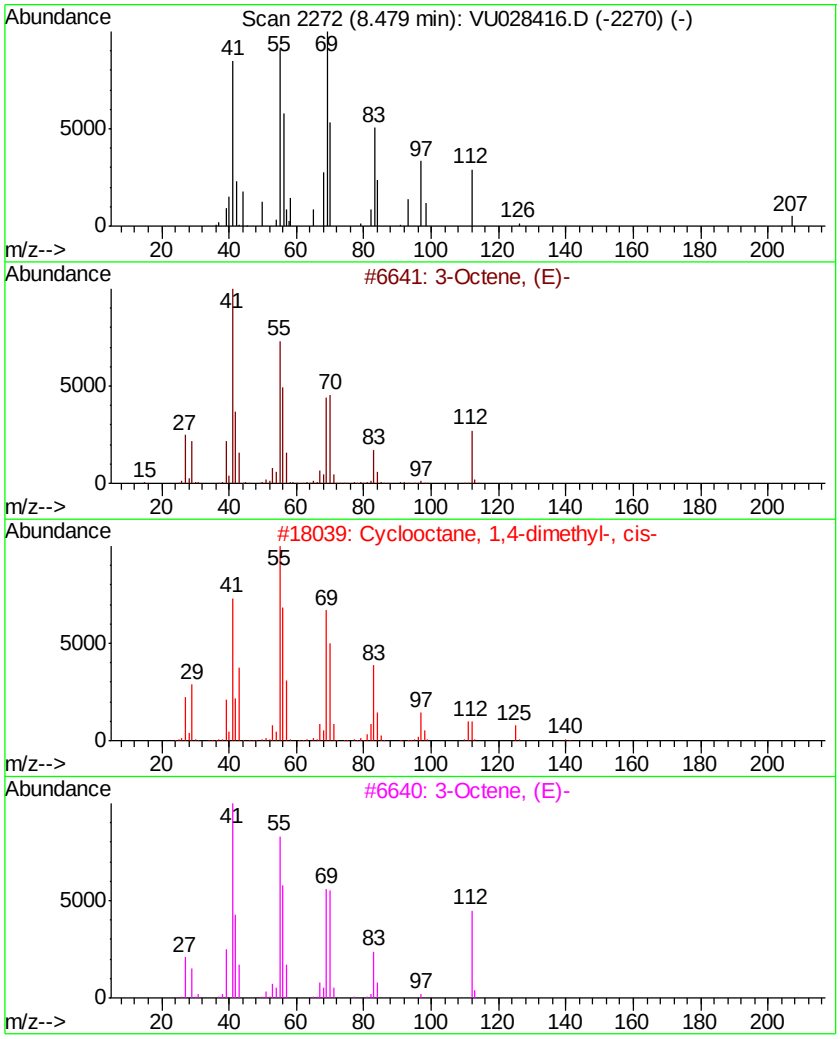
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

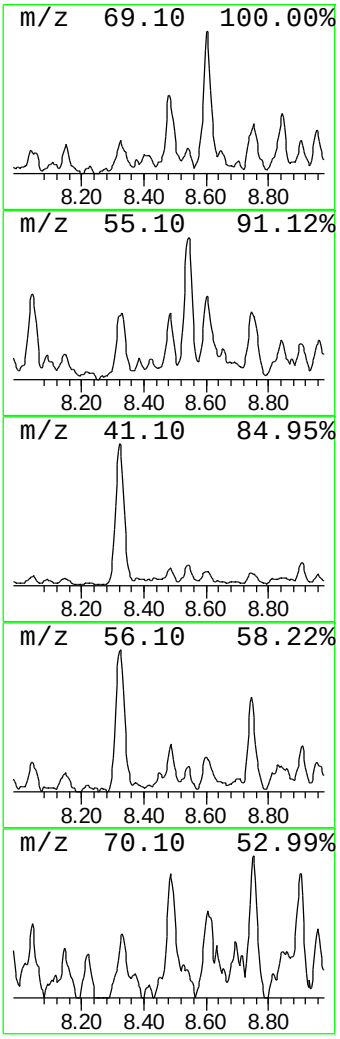
****

Peak Number 36 (DEL) Alkane: Cyclic8.48 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	2.54 ug/L	31406	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, (E)-	112	C8H16	014919-01-8	68
2	Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	64
3	3-Octene, (E)-	112	C8H16	014919-01-8	64
4	4-Undecene, 5-methyl-, (Z)-	168	C12H24	074630-69-6	59
5	3-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

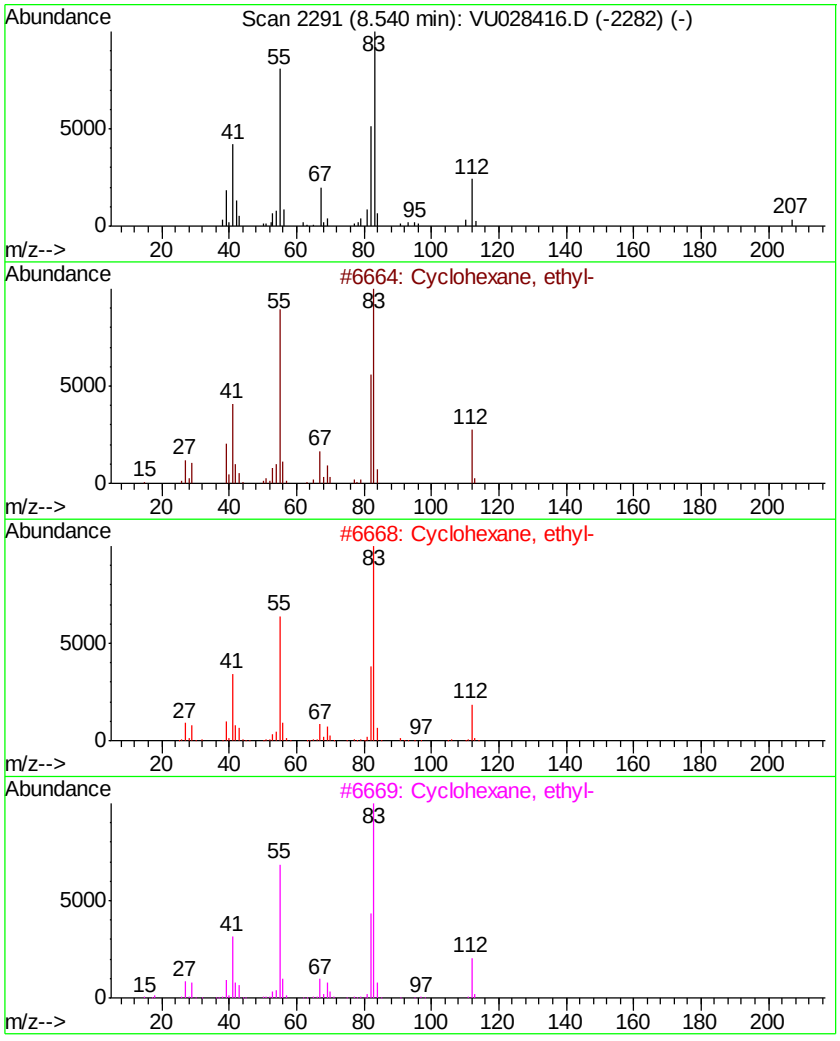
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

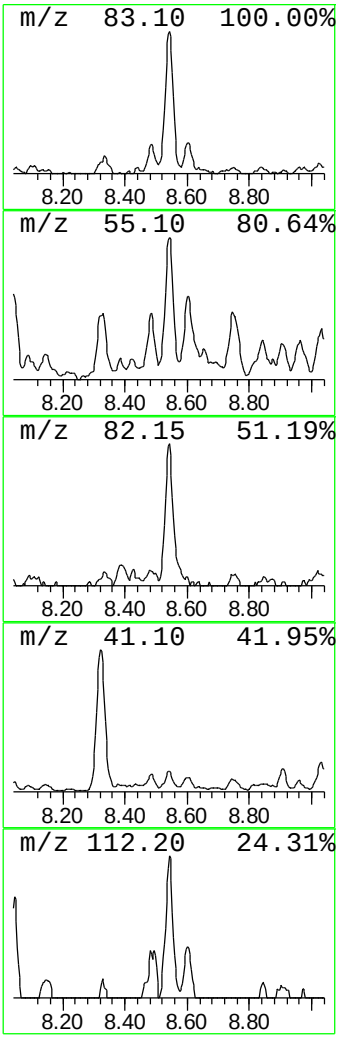
****

Peak Number 37 (DEL) Alkane: Cyclic8.54 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	4.80 ug/L	59316	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

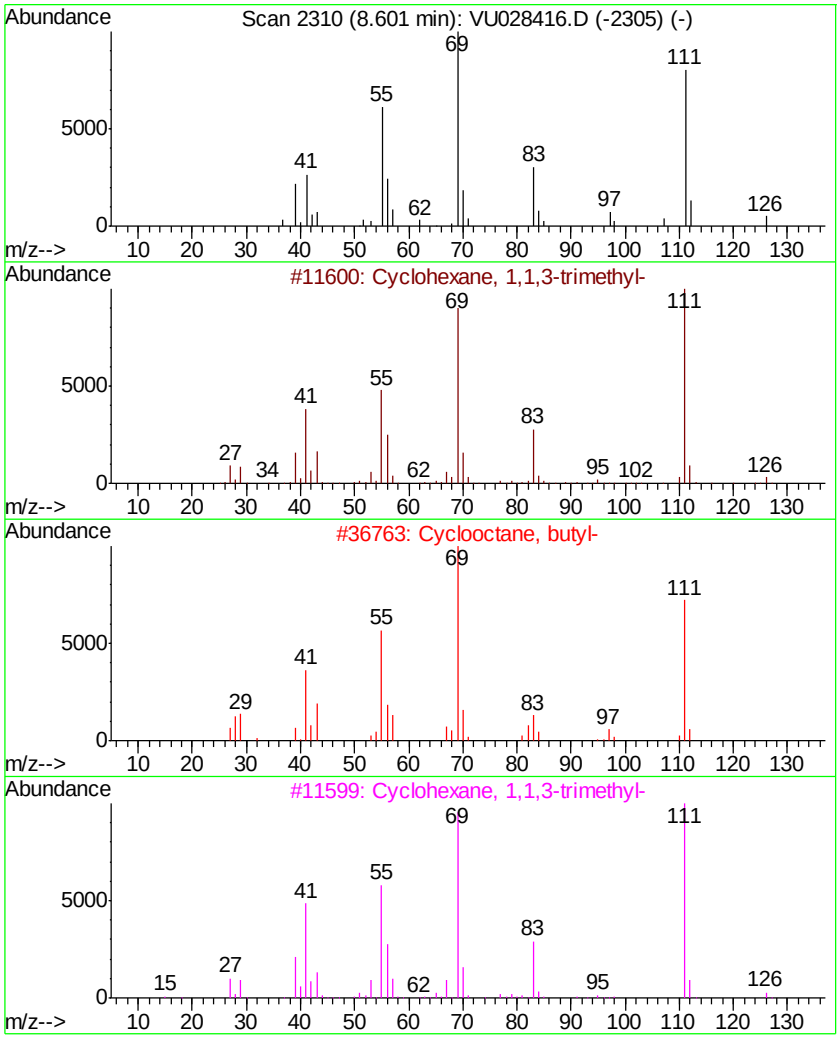
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

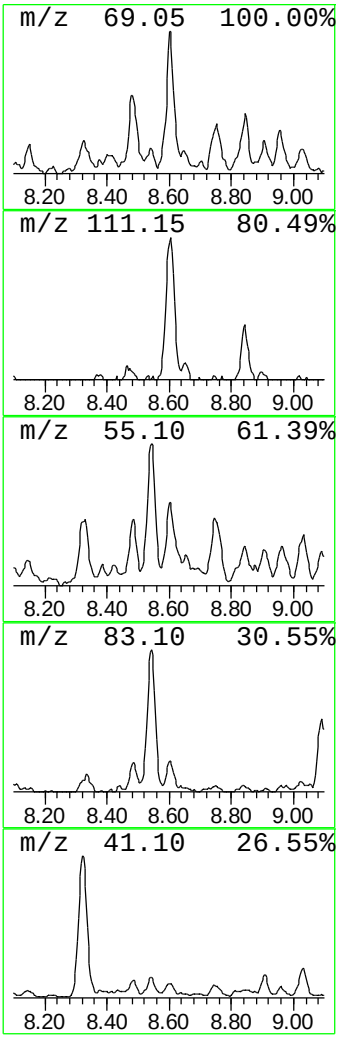
****

Peak Number 38 (DEL) Alkane: Cyclic8.60 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	5.16 ug/L	63782	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2	Cyclooctane, butyl-	168	C12H24	016538-93-5	78
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	72
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

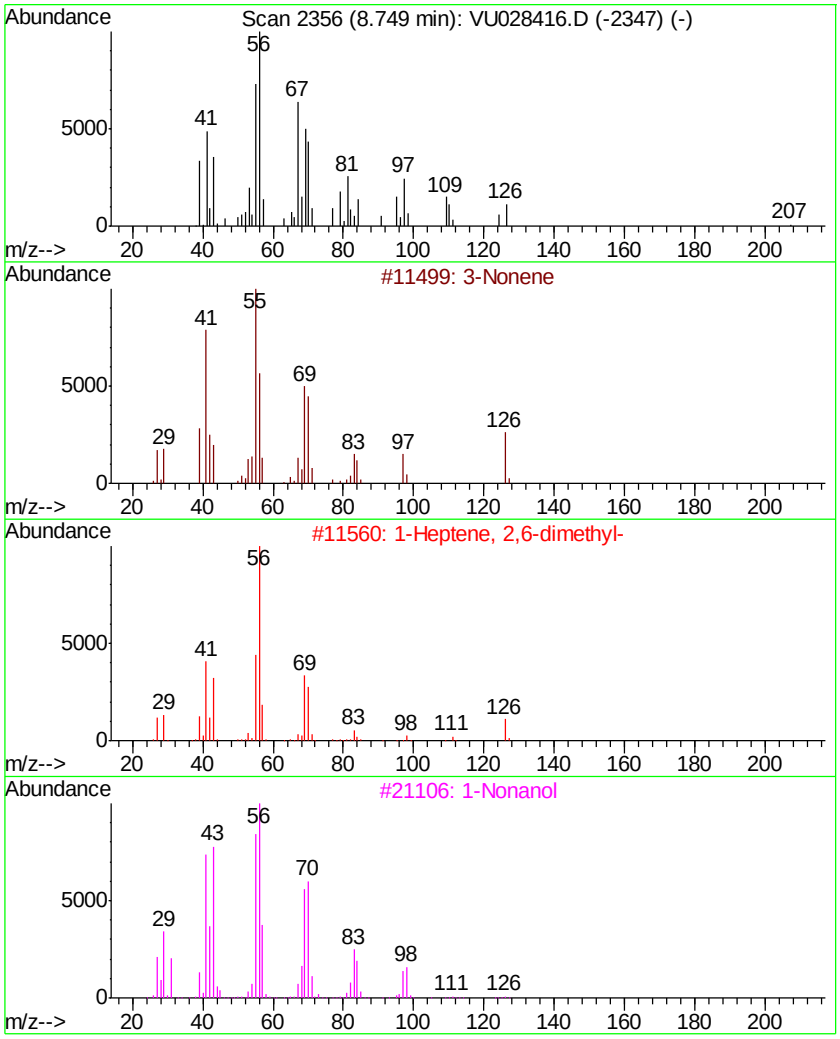
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

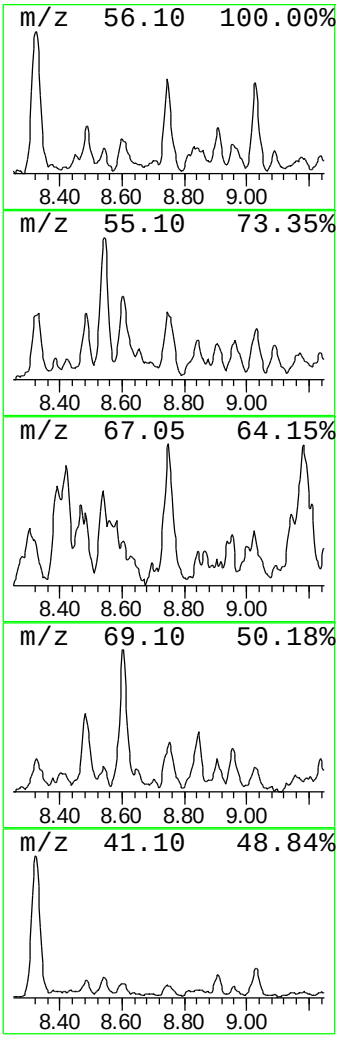
****

Peak Number 39 (DEL) Alkane: Cyclic8.75 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	4.71 ug/L	58249	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene	126	C9H18	020063-77-8	43
2	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	38
3	1-Nonanol	144	C9H20O	000143-08-8	35
4	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	35
5	1-Pentanol, 3-methyl-	102	C6H14O	000589-35-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

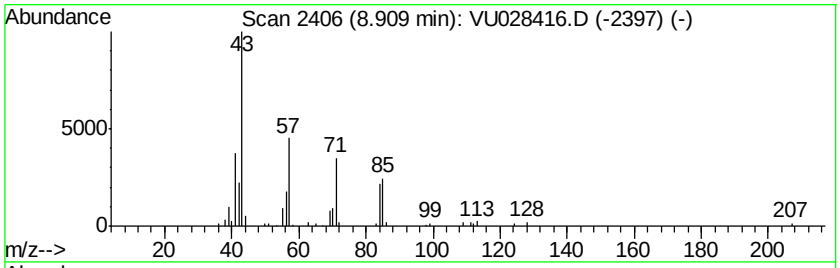
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

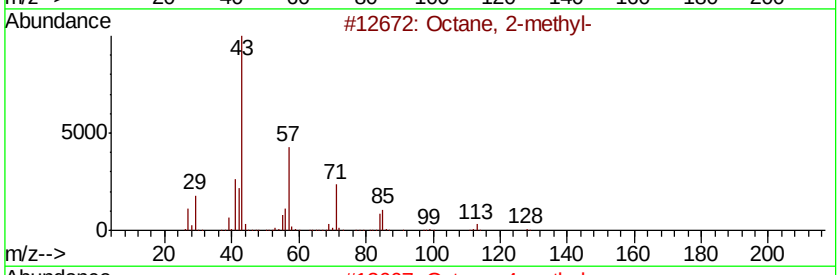
****

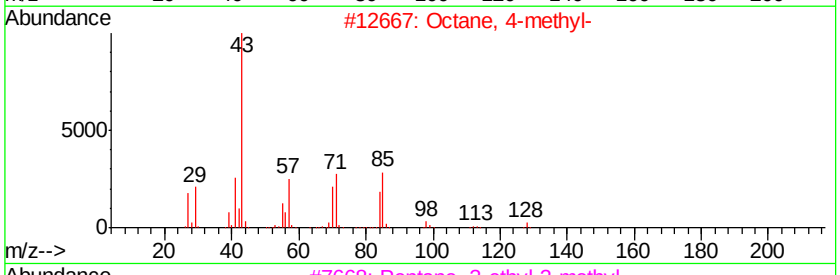
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 40

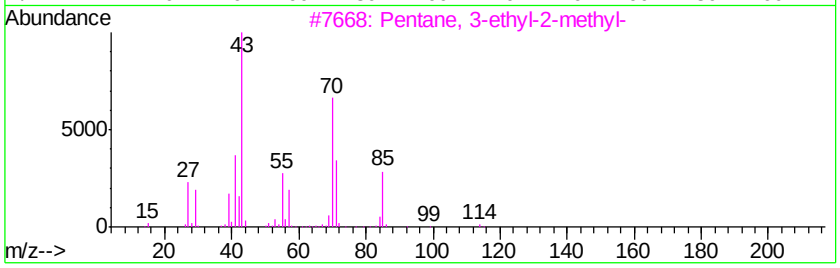
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	4.75 ug/L	58713	Chlorobenzene-d5	9.09

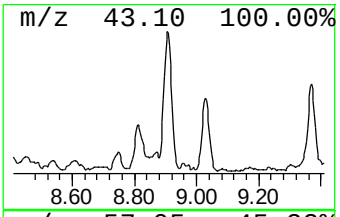
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	59
2	Octane, 4-methyl-	128	C9H20	002216-34-4	59
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
4	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
5	Octane, 2-methyl-	128	C9H20	003221-61-2	58

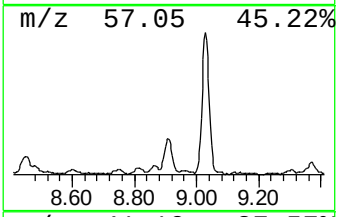


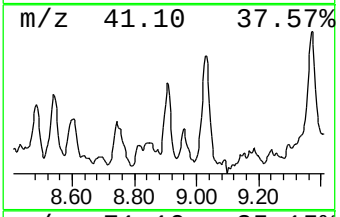


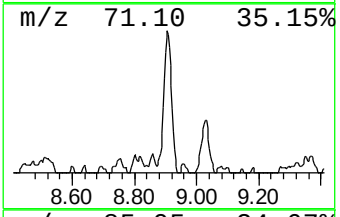


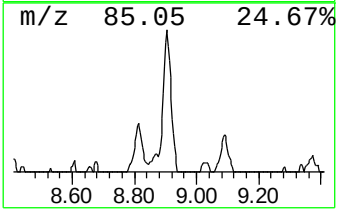












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

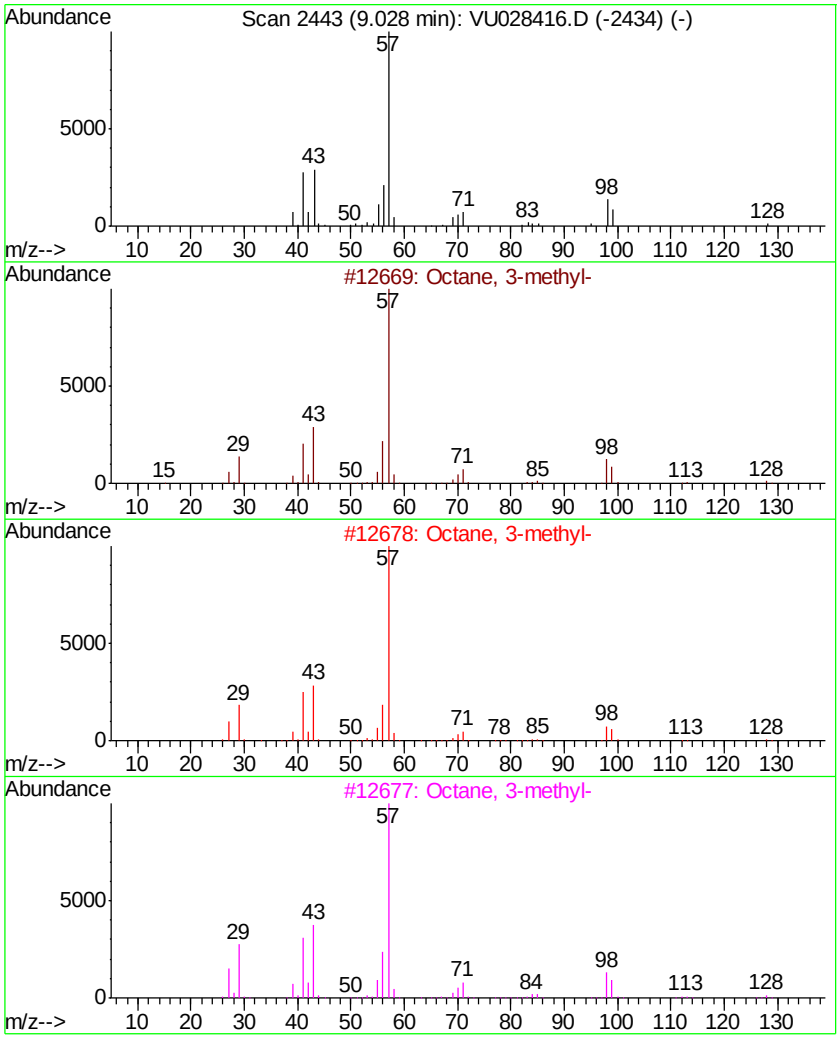
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

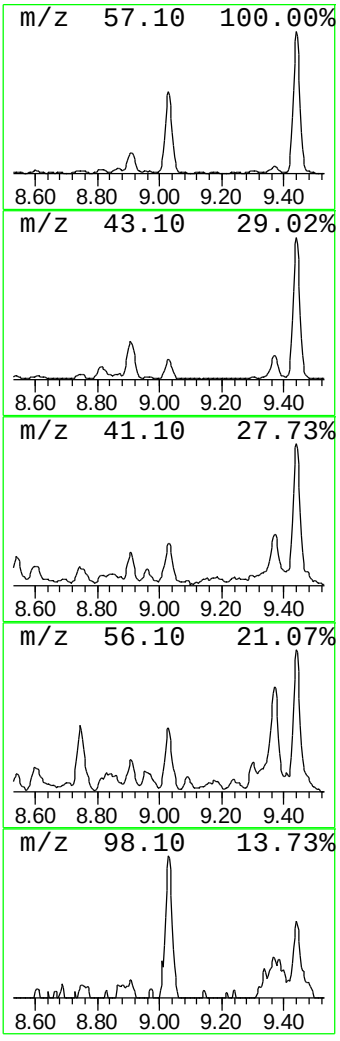
****

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	6.21 ug/L	76786	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	87
3	Octane, 3-methyl-	128	C9H20	002216-33-3	58
4	Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	53
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

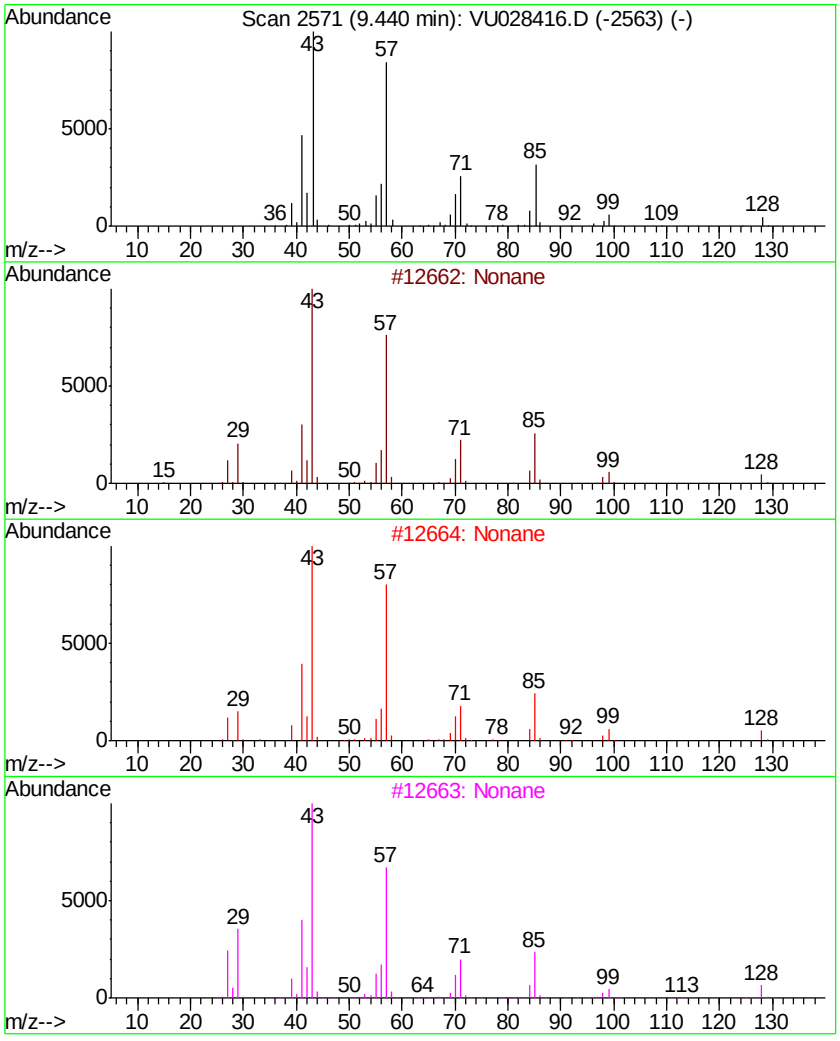
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

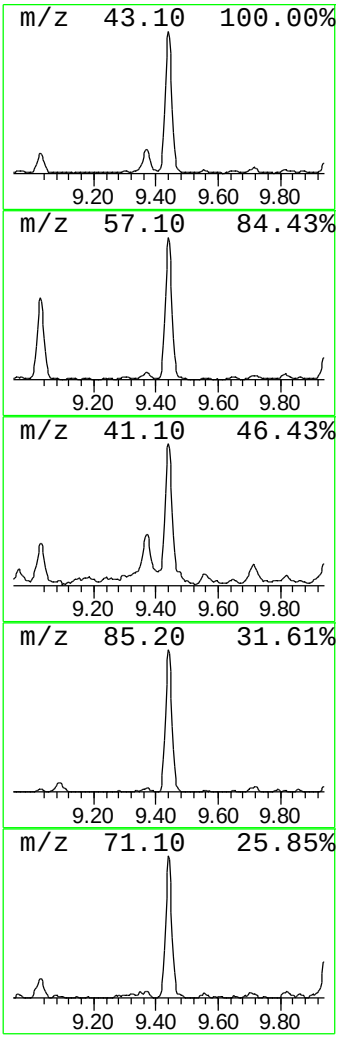
****

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	26.39 ug/L	326313	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	94
2	Nonane	128	C9H20	000111-84-2	90
3	Nonane	128	C9H20	000111-84-2	90
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	72
5	Octane	114	C8H18	000111-65-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

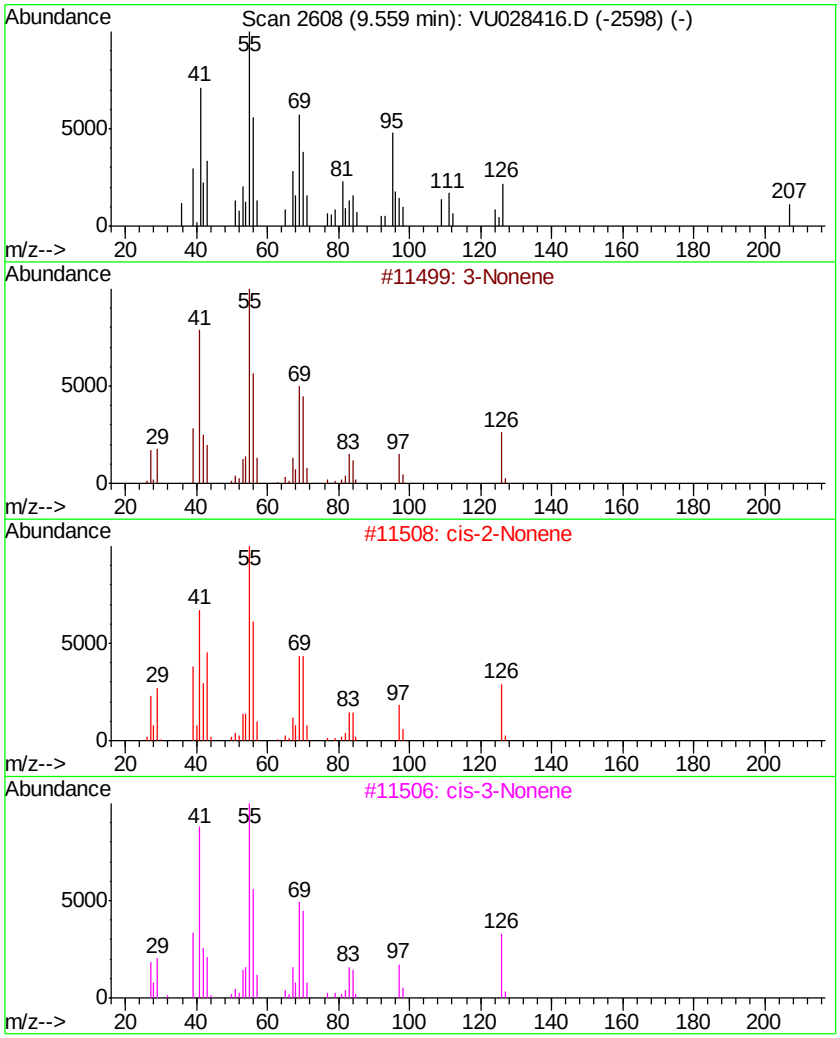
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

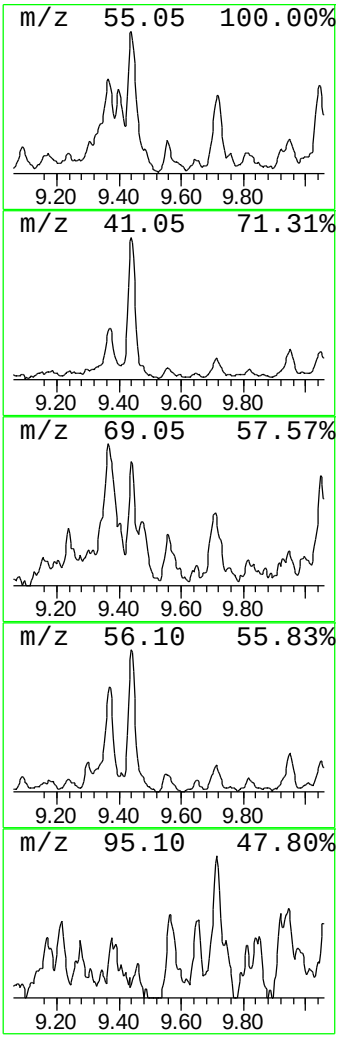
****

Peak Number 43 (DEL) Alkane: Cyclic9.56 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.69 ug/L	33303	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene	126	C9H18	020063-77-8	89
2	cis-2-Nonene	126	C9H18	006434-77-1	89
3	cis-3-Nonene	126	C9H18	020237-46-1	87
4	2-Nonene, (E)-	126	C9H18	006434-78-2	64
5	3-Nonene, (E)-	126	C9H18	020063-92-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

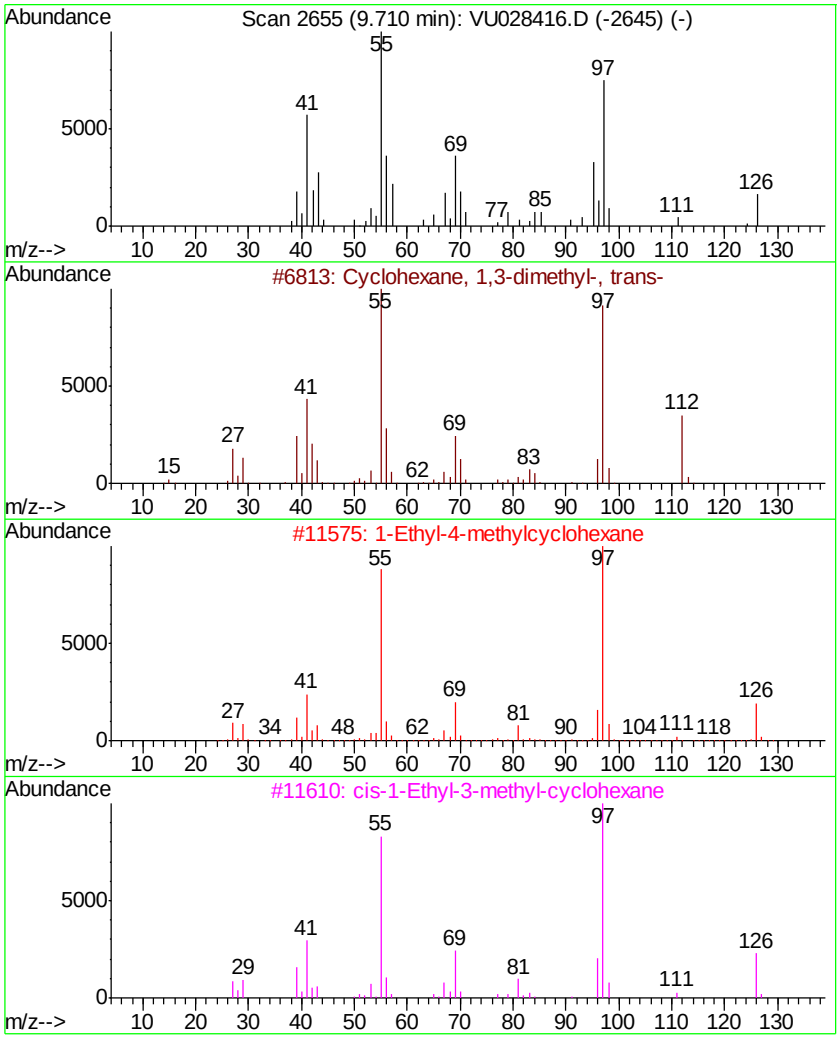
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

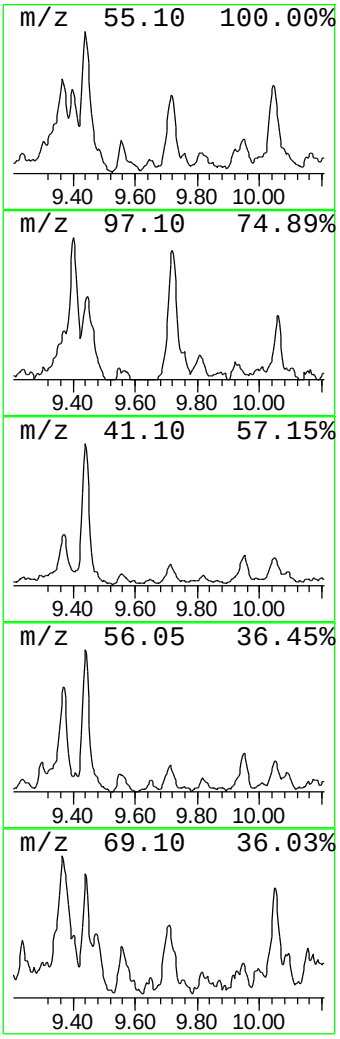
****

Peak Number 44 (DEL) Alkane: Cyclic9.71 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	4.37 ug/L	53982	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59
5	4,4-Dimethyl-oct-5-enal	154	C10H18O	1000143-73-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

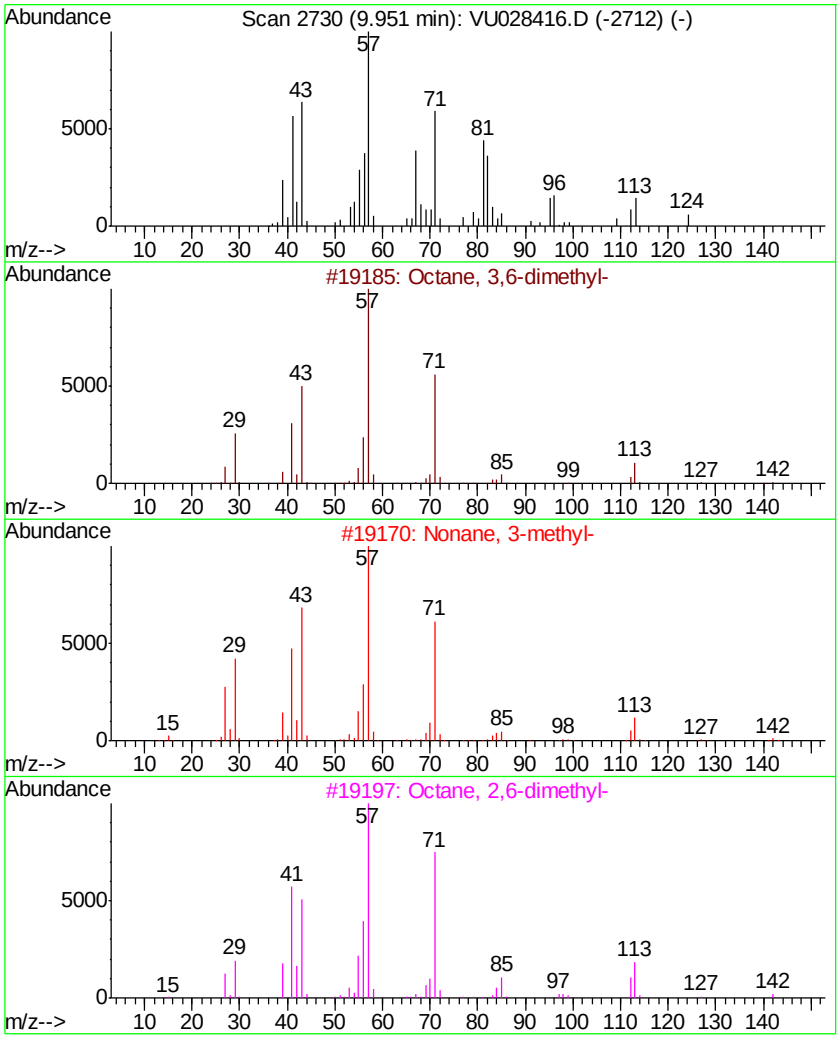
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

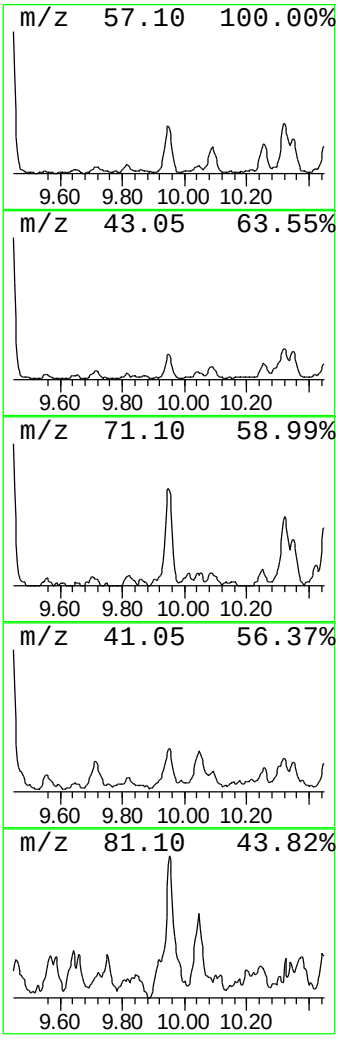
****

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	8.43 ug/L	104219	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
4	Ether, methyl 1-octadecenyl	282	C19H38O	026537-06-4	43
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

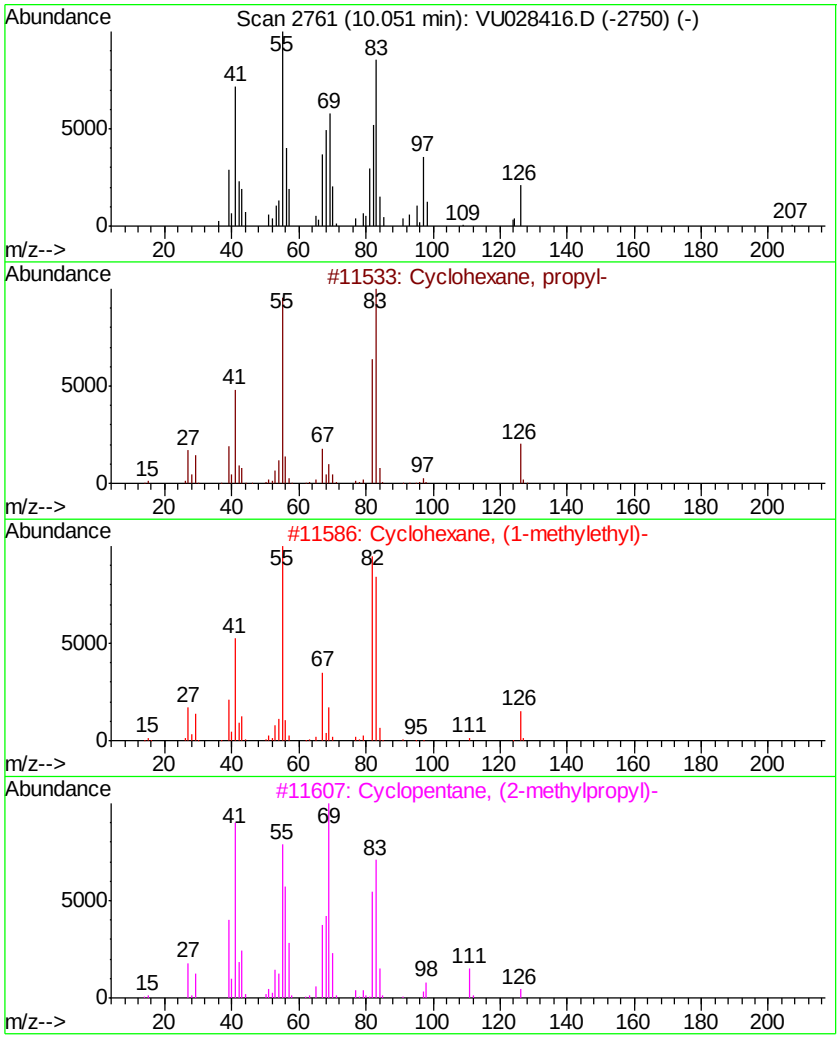
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

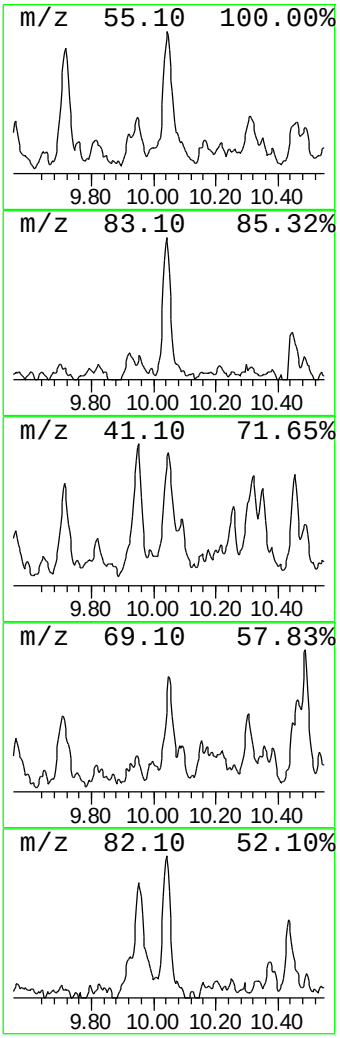
****

Peak Number 46 (DEL) Alkane: Cyclic10.05 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	5.33 ug/L	65905	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
3	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	38
4	1-Cyclohexyl-1-propyne	122	C9H14	018736-95-3	38
5	2,4-Pentadien-1-ol, 3-propyl-, (...	126	C8H14O	1000142-17-9	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

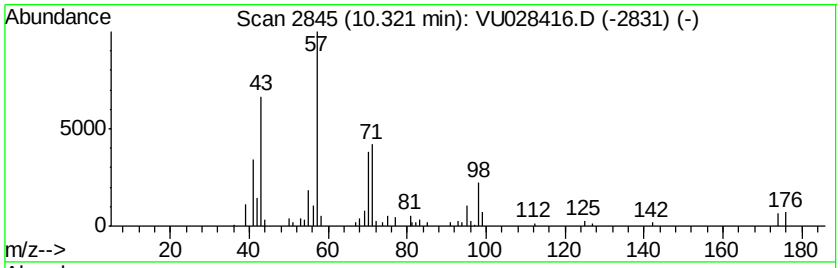
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

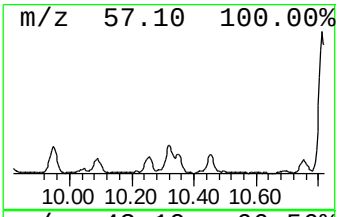
****

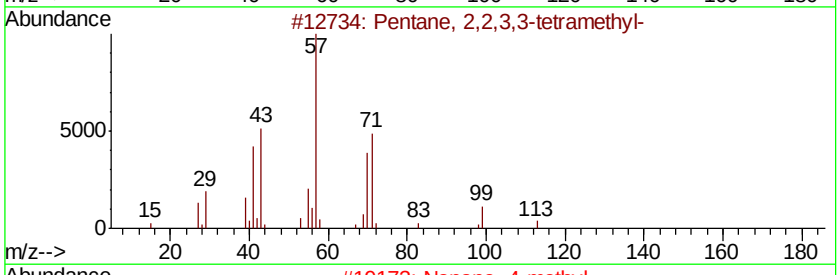
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 43

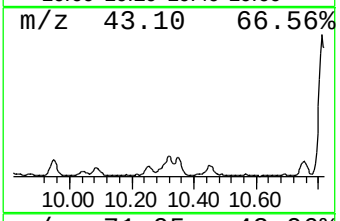
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	4.59 ug/L	64392	1,4-Dichlorobenzene-d4	11.48

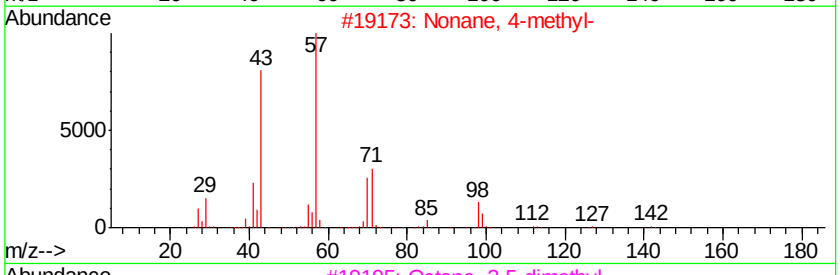
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	58
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	47
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	47

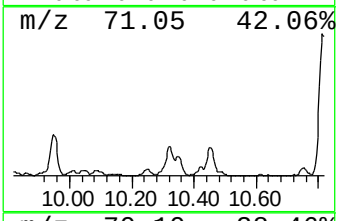


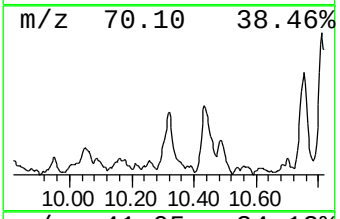


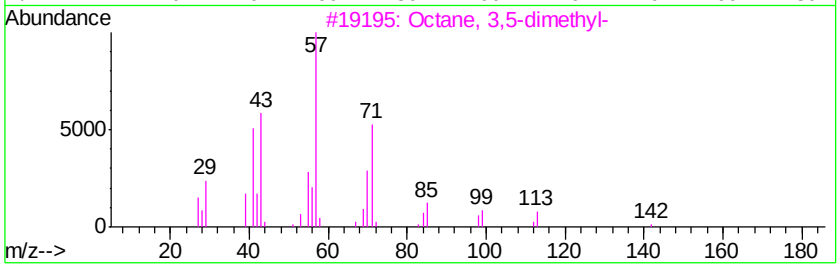


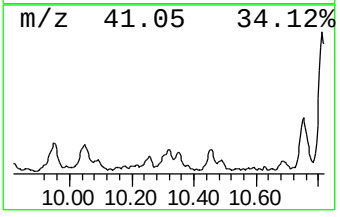












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

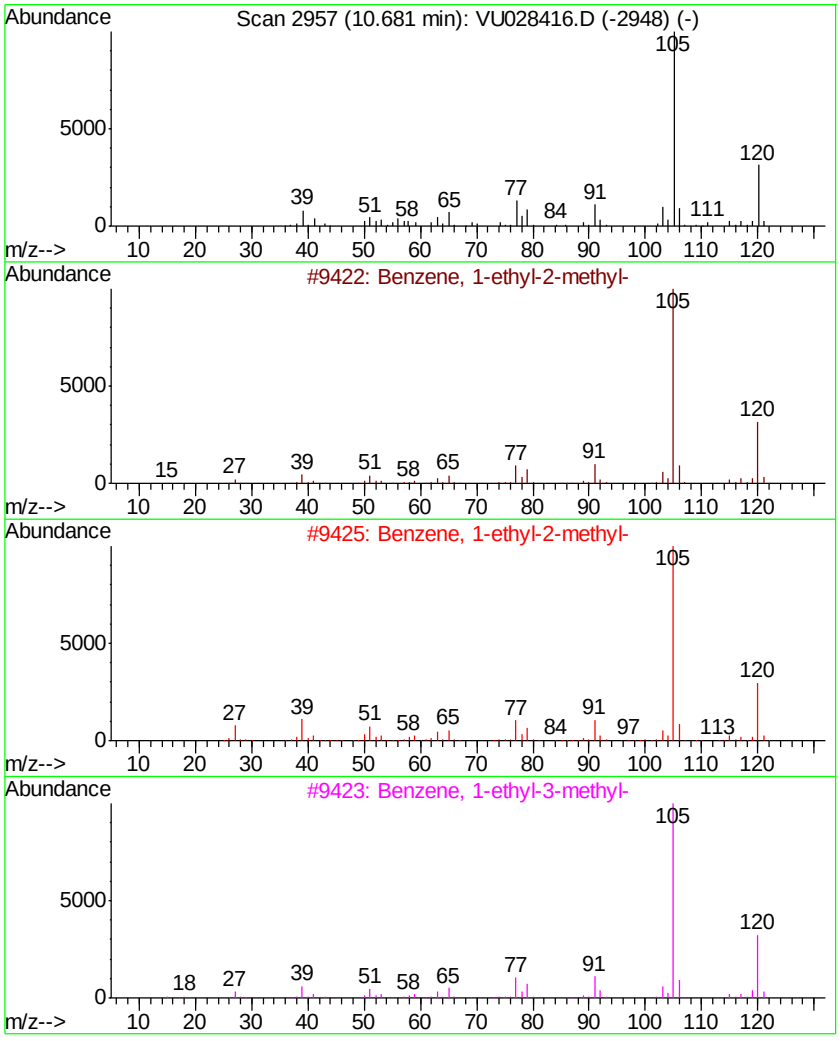
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

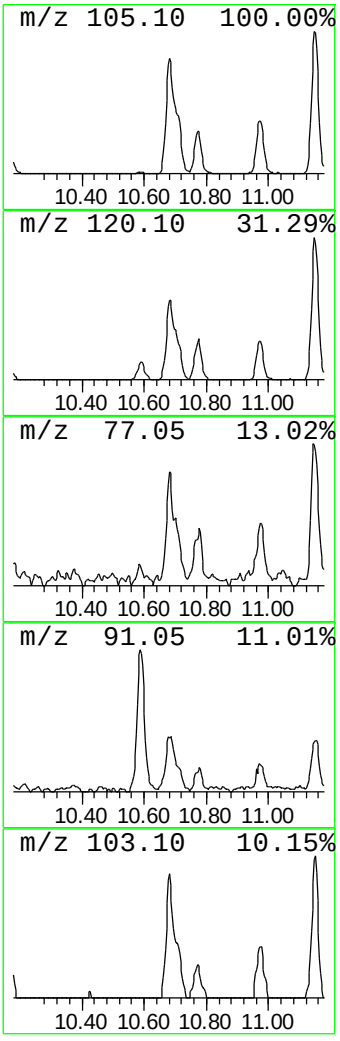
****

Peak Number 48 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	9.79 ug/L	137474	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

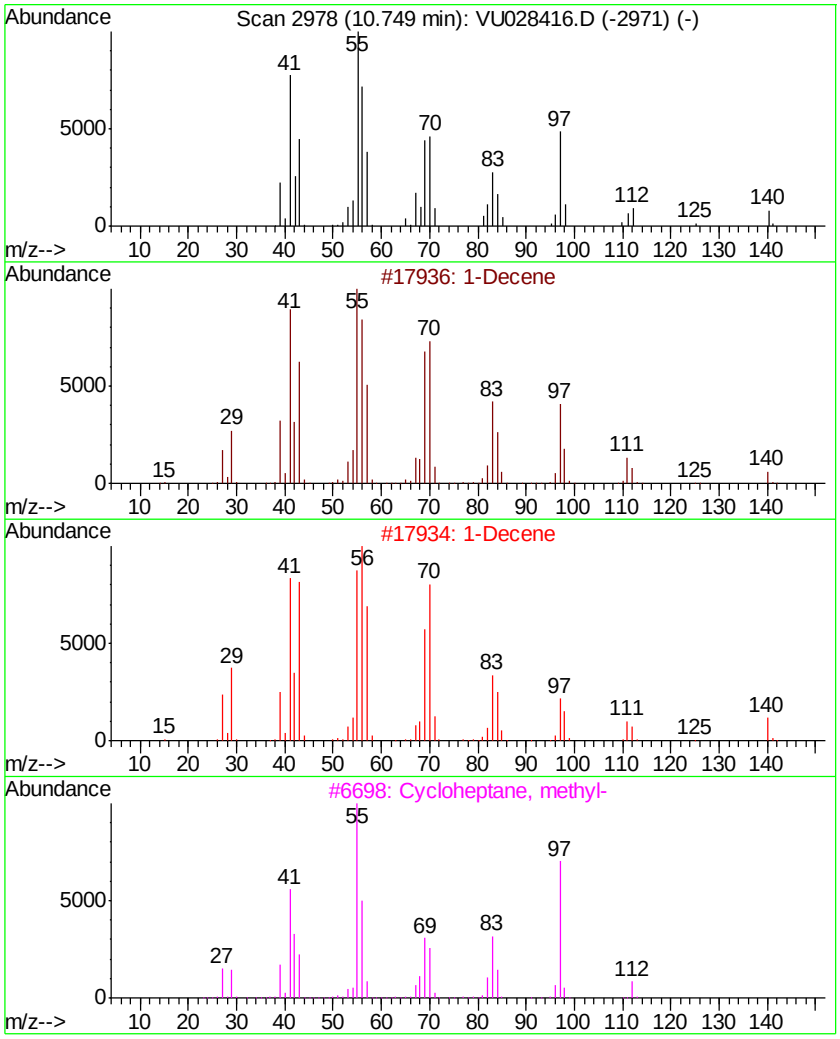
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

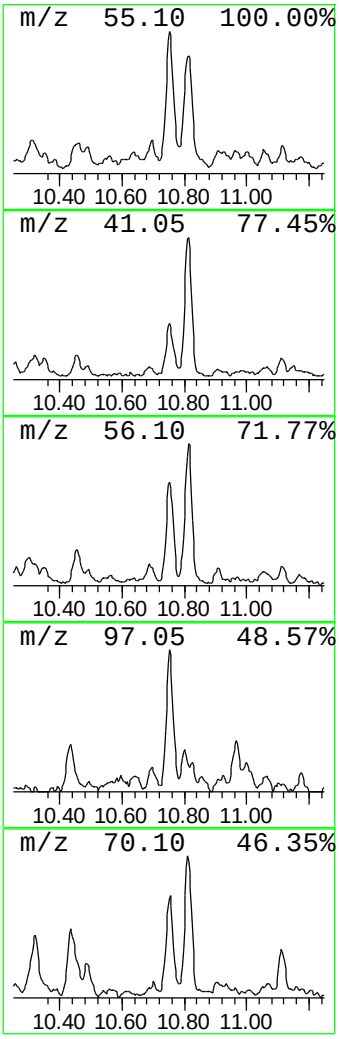
****

Peak Number 49 (DEL) Alkane: Cyclic10.75 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	10.47 ug/L	146974	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	87
2	1-Decene	140	C10H20	000872-05-9	81
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	70
4	2-Octene, (E)-	112	C8H16	013389-42-9	64
5	4-Octene, (Z)-	112	C8H16	007642-15-1	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

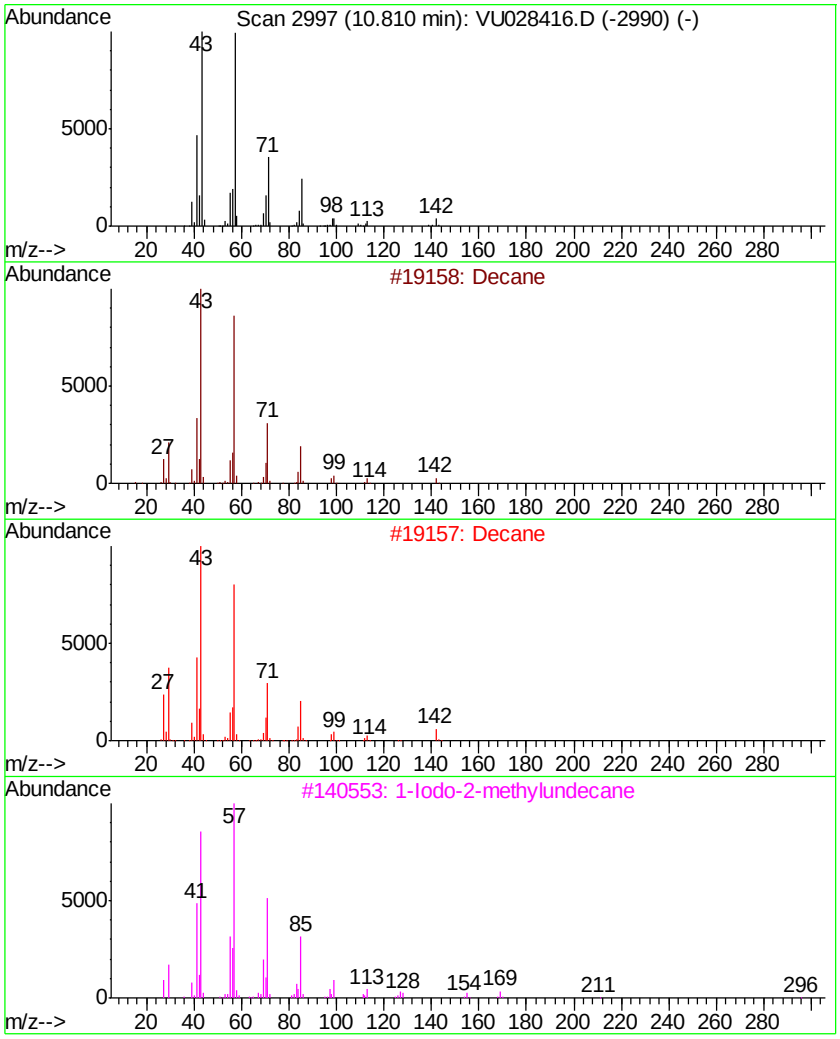
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

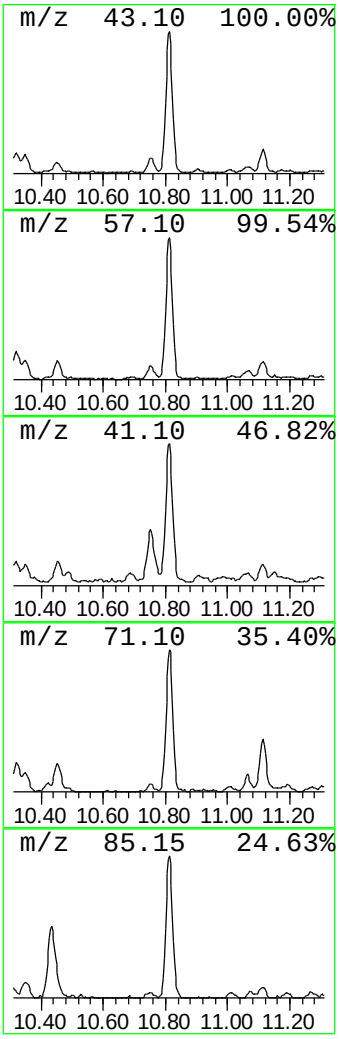
****

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	21.63 ug/L	303640	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	90
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	83
4	Undecane	156	C11H24	001120-21-4	72
5	Decane	142	C10H22	000124-18-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

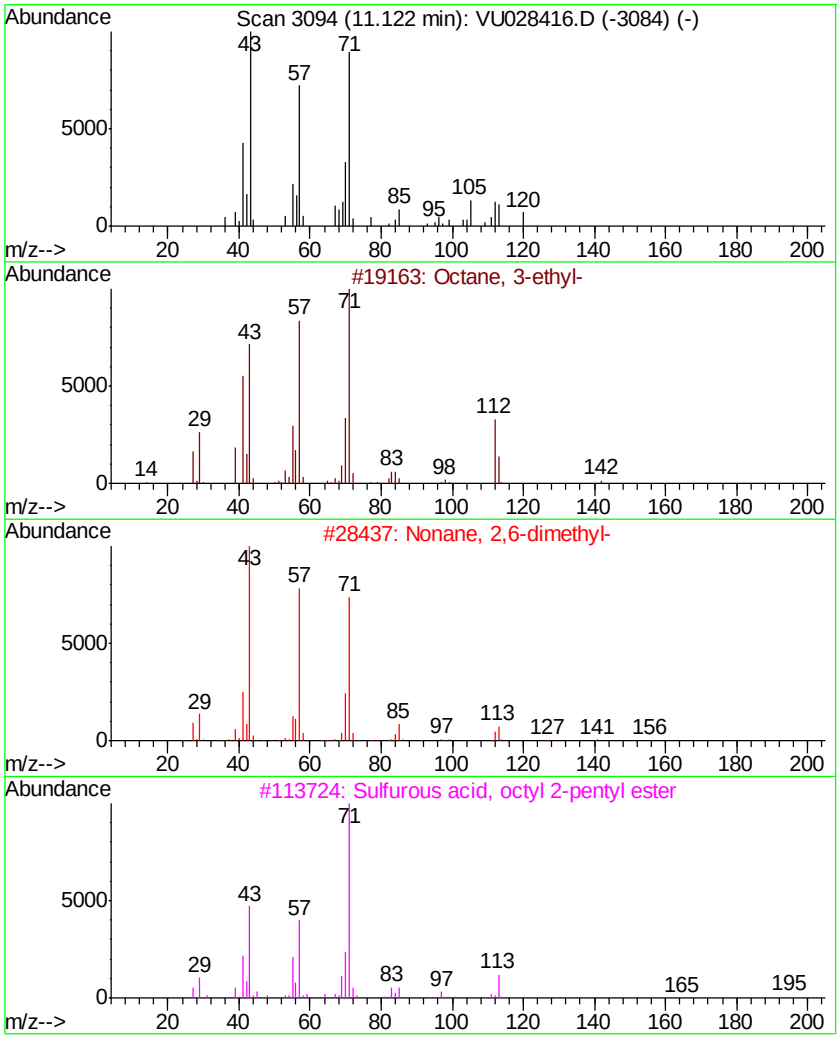
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

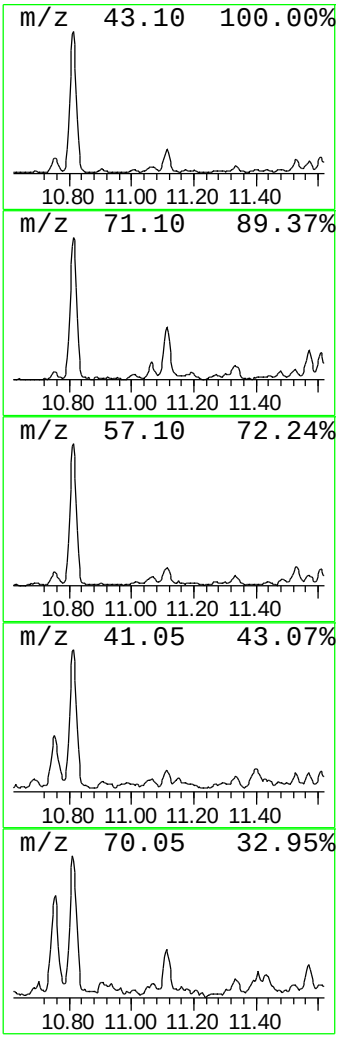
****

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	2.50 ug/L	35143	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-	142	C10H22	005881-17-4	78
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
3	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	72
4	Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	72
5	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

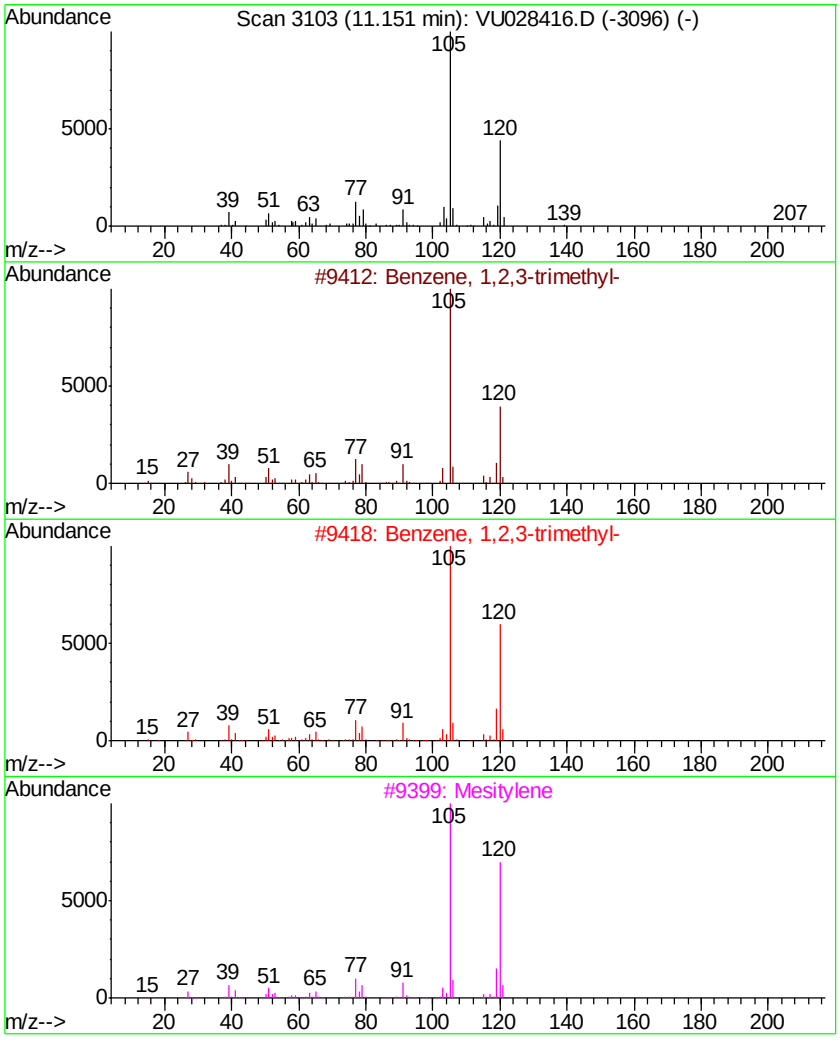
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

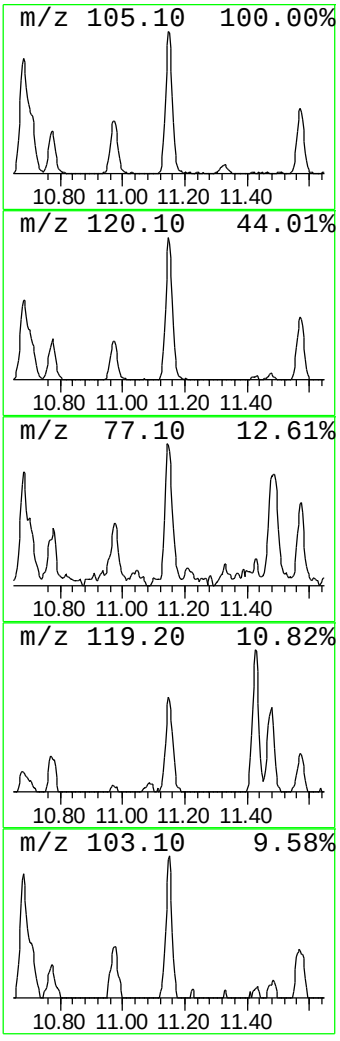
****

Peak Number 53 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	8.52 ug/L	119578	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	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

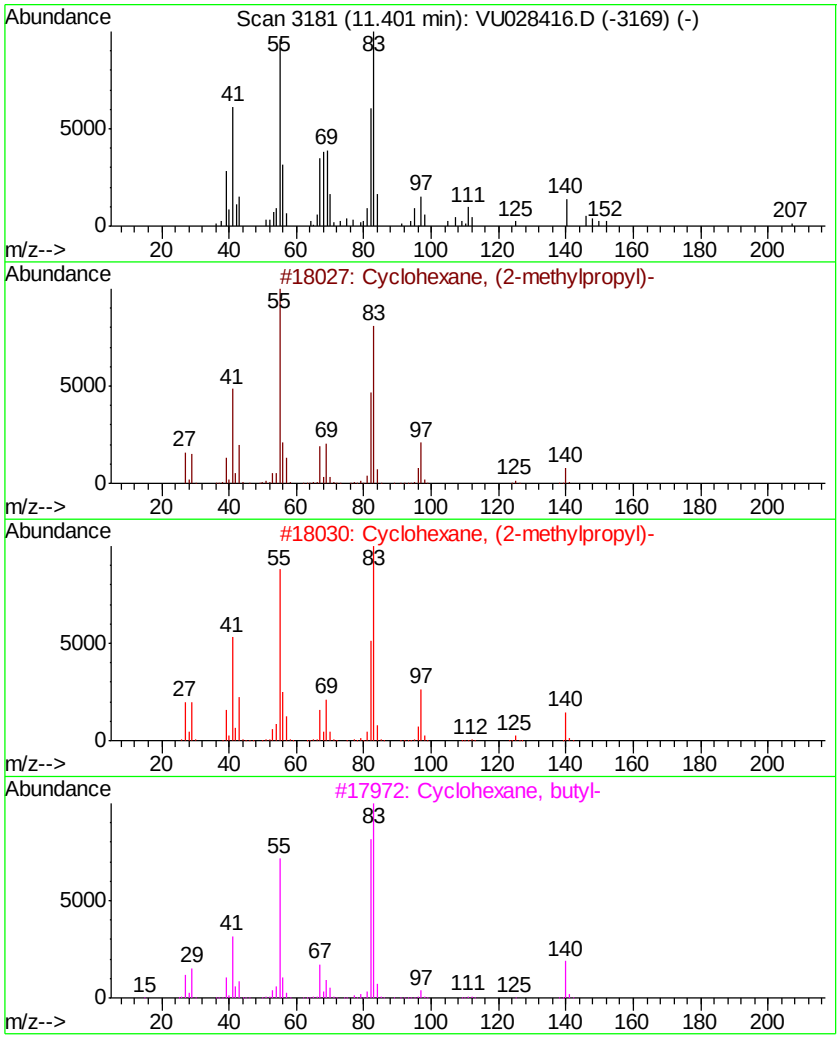
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

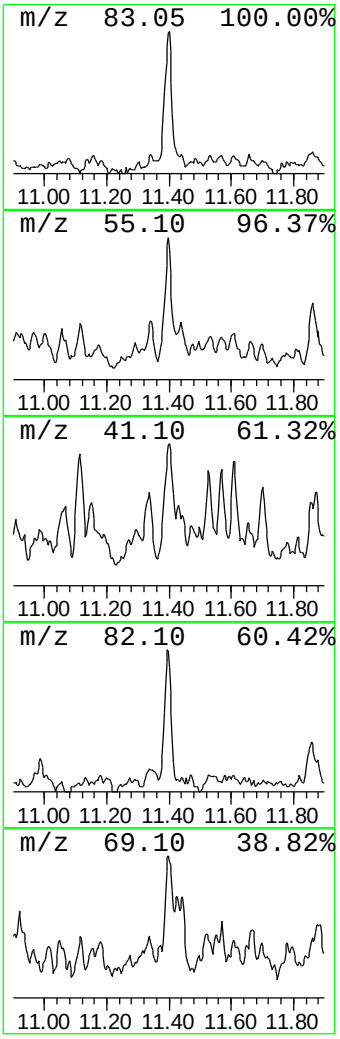
****

Peak Number 54 (DEL) Alkane: Cyclic11.40 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.75 ug/L	52698	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
5	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

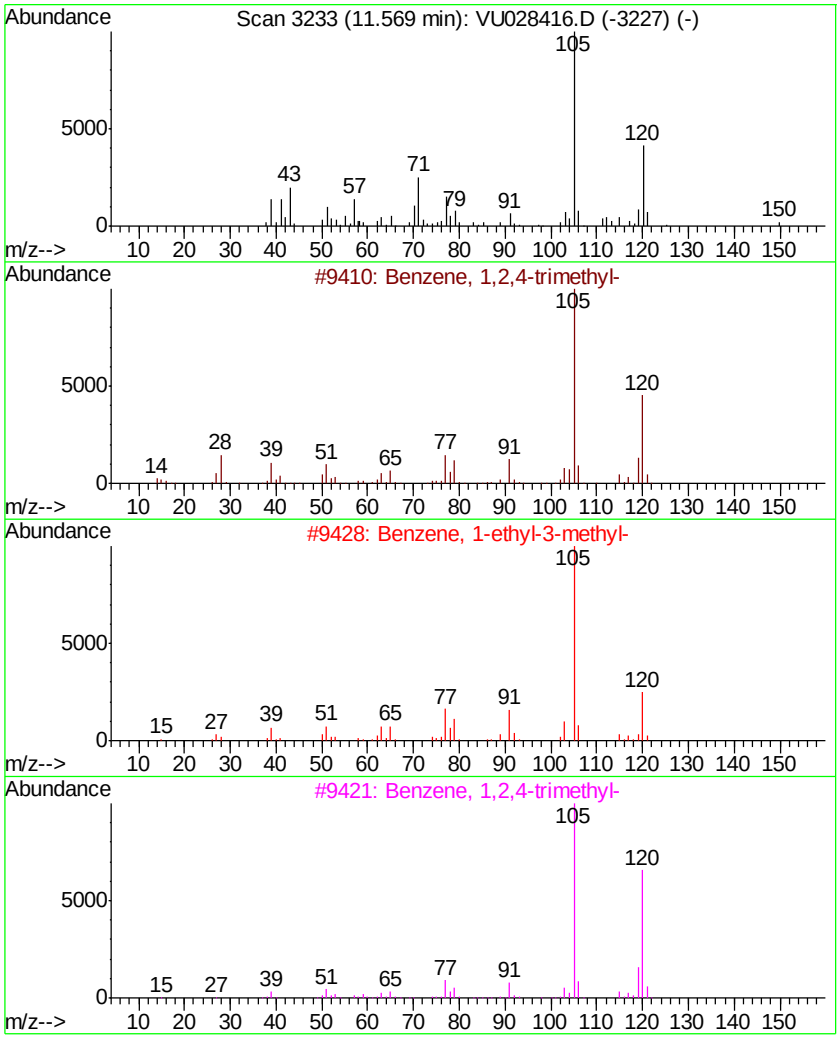
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

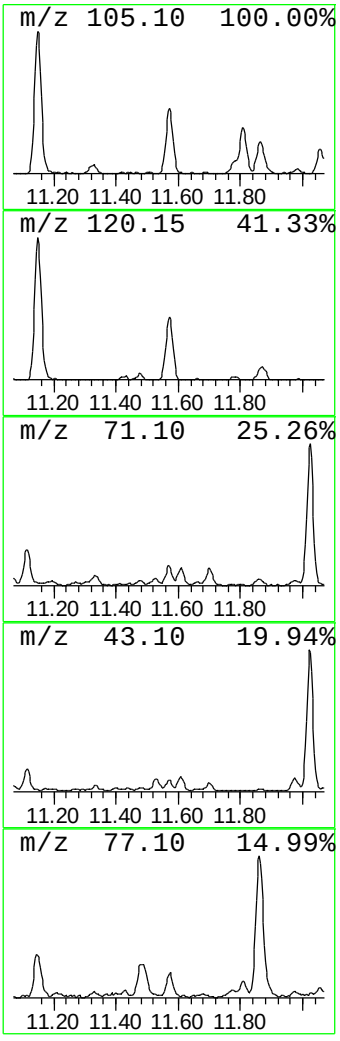
****

Peak Number 55 Benzene, 1,2,4-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	4.42 ug/L	62082	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	89
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
5	Mesitylene	120	C9H12	000108-67-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

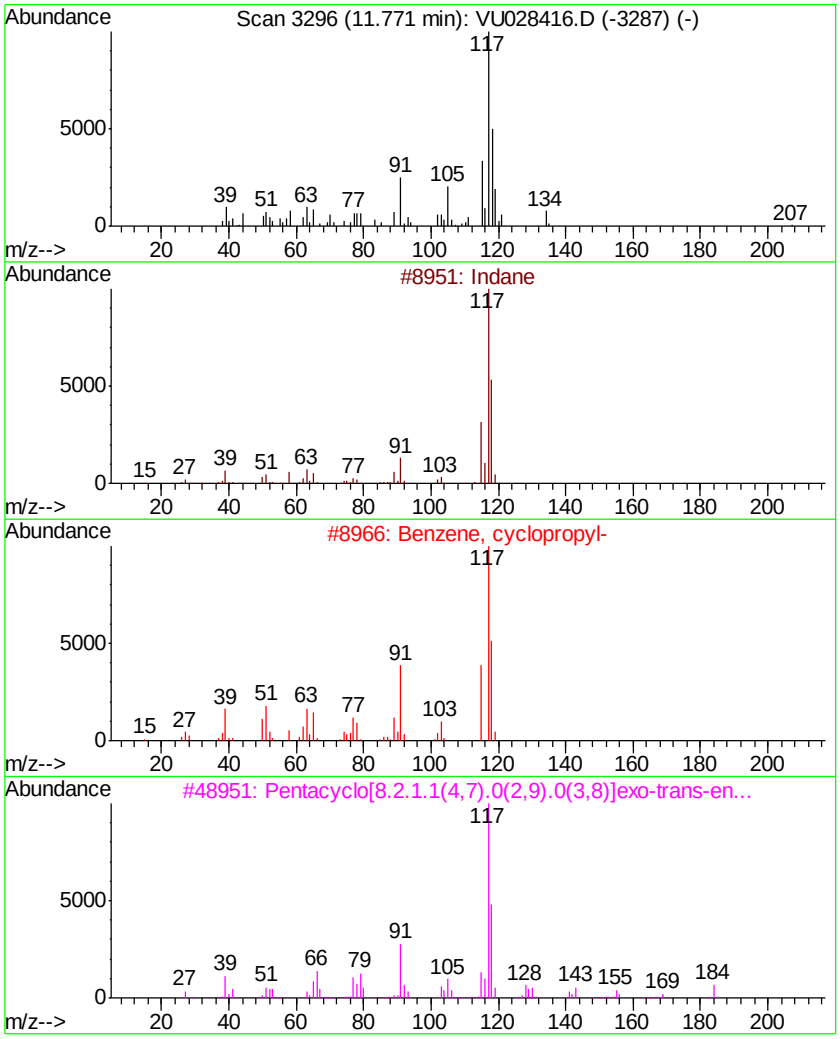
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

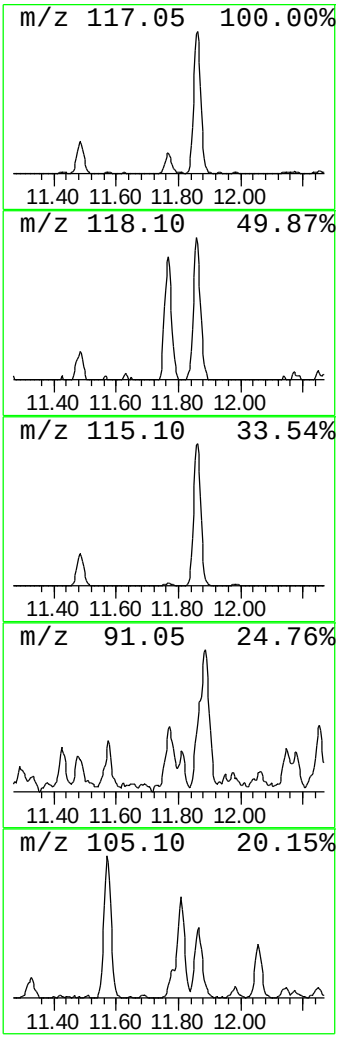
****

Peak Number 56 Indane Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.97 ug/L	55770	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	60
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3	Pentacyclo[8.2.1.1(4,7).0(2,9).0...	184	C14H16	001624-12-0	53
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	52
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

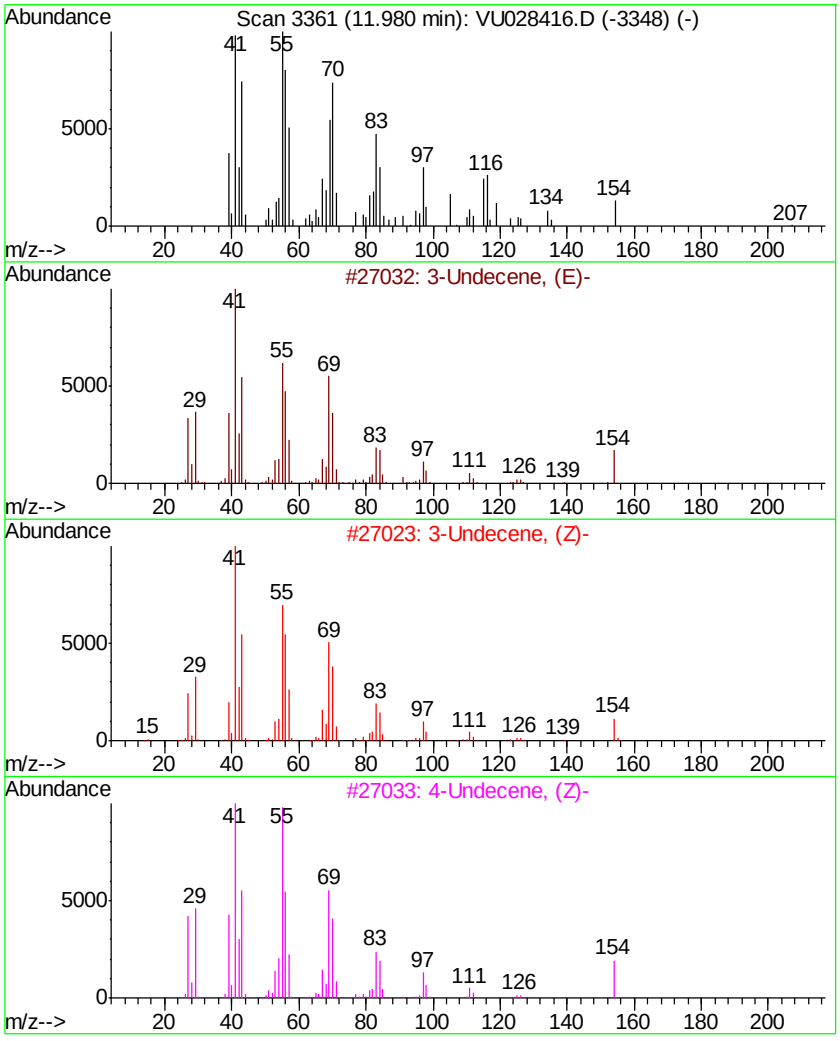
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

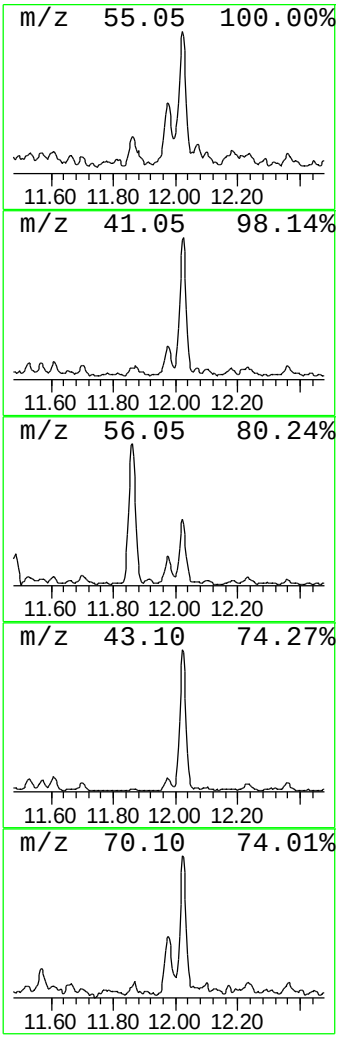
****

Peak Number 57 (DEL) Alkane: Cyclic11.98 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.81 ug/L	81612	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecene, (E)-	154	C11H22	001002-68-2	91
2	3-Undecene, (Z)-	154	C11H22	000821-97-6	87
3	4-Undecene, (Z)-	154	C11H22	000821-98-7	81
4	2-Undecene, (Z)-	154	C11H22	000821-96-5	81
5	2-Undecene, (Z)-	154	C11H22	000821-96-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

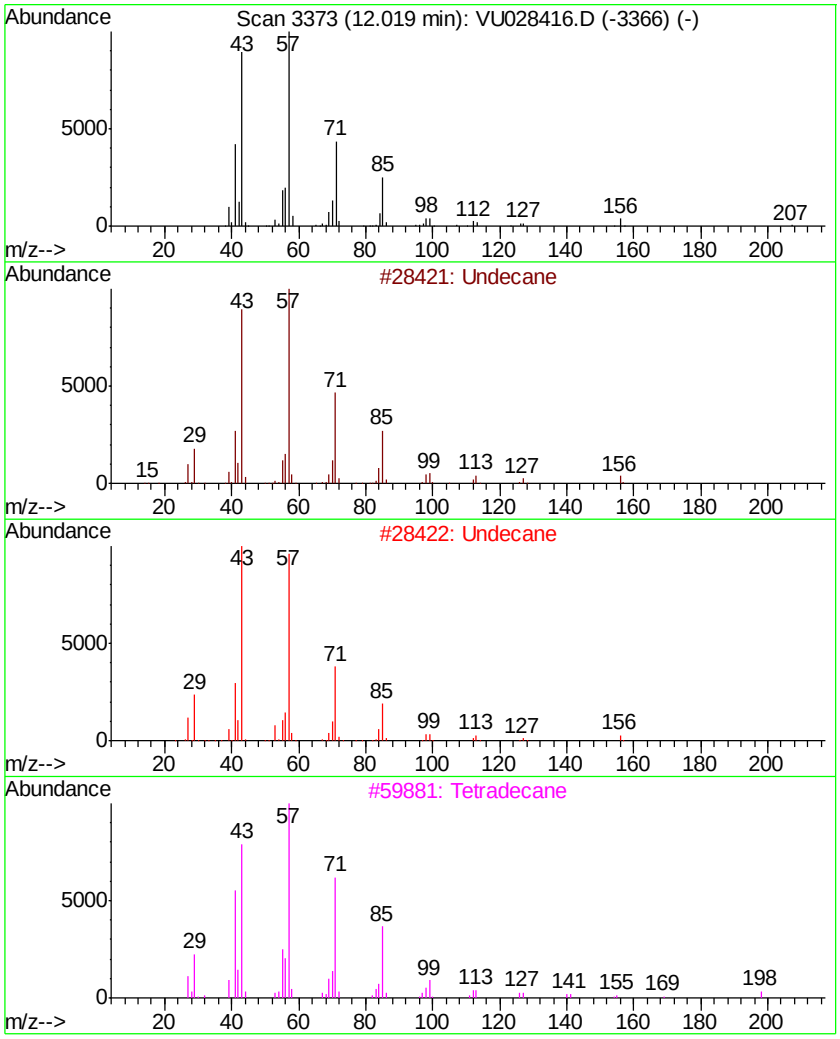
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

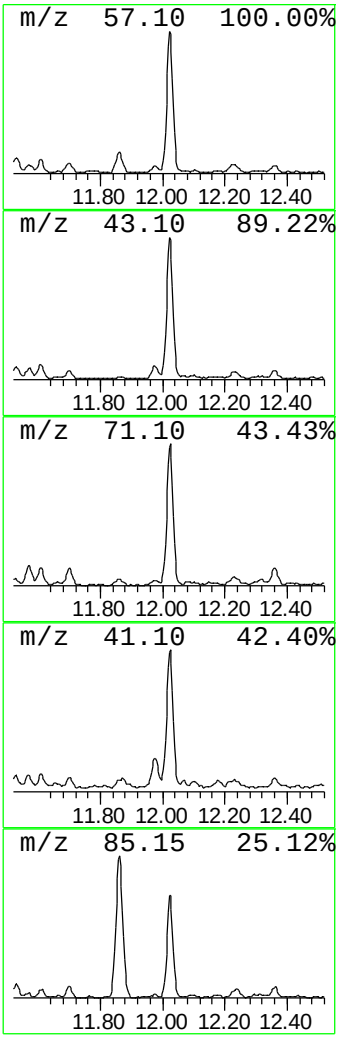
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	20.08 ug/L	281899	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Dodecane	170	C12H26	000112-40-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

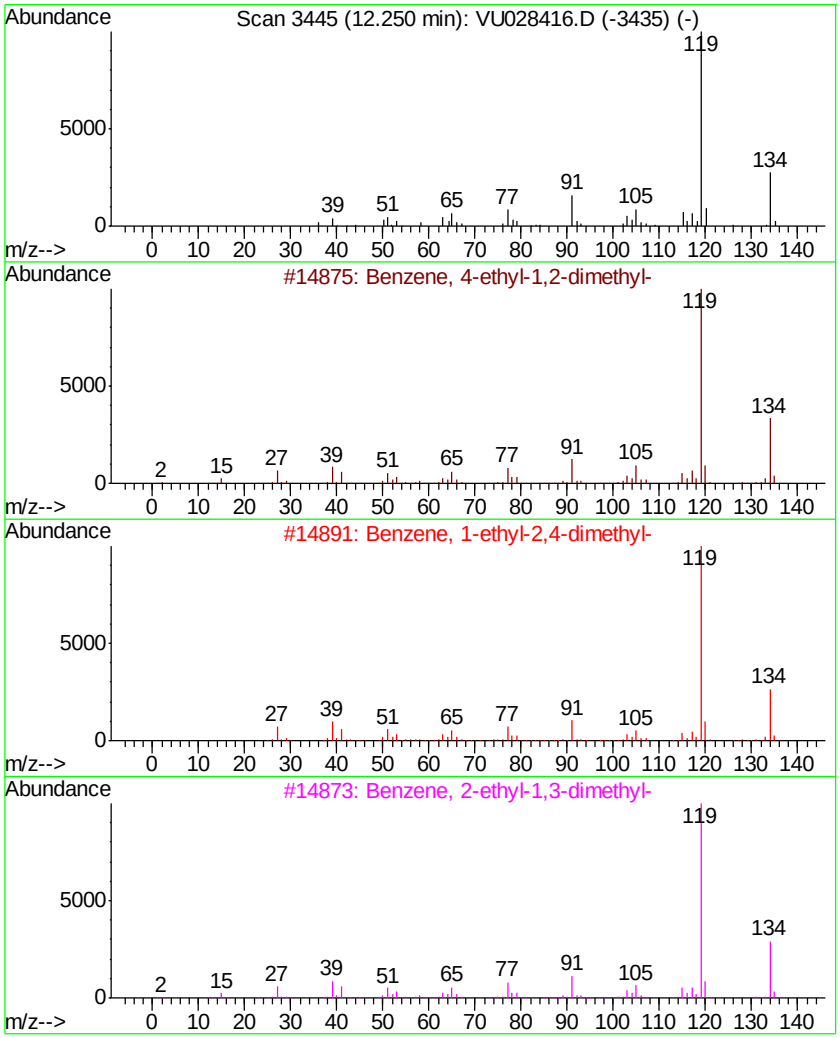
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

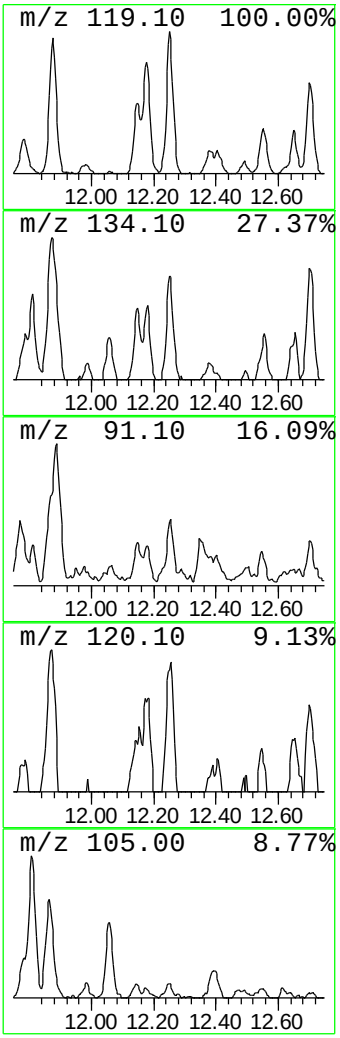
****

Peak Number 59 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.48 ug/L	48923	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

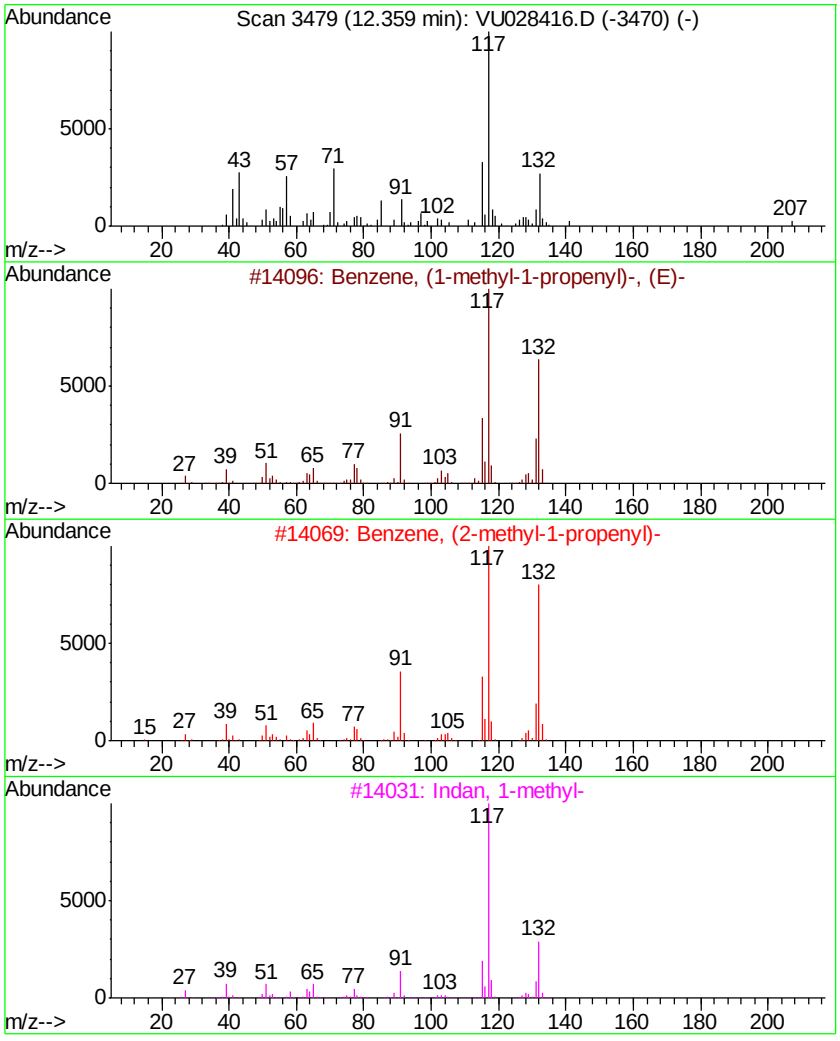
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

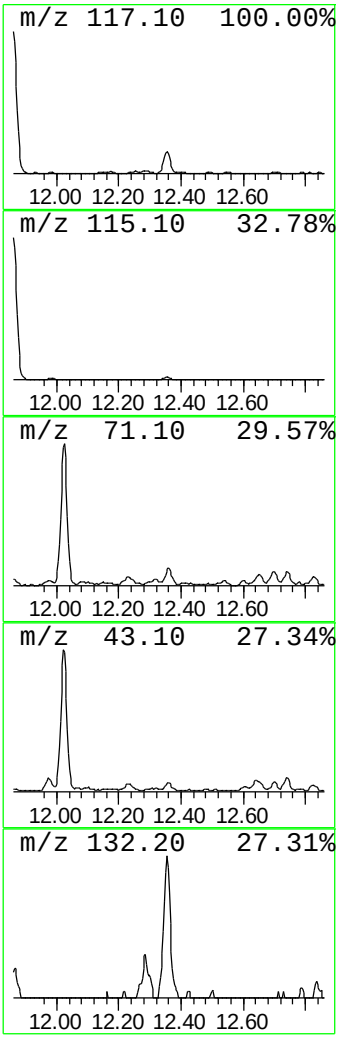
****

Peak Number 60 Benzene, (1-methyl-1-propen... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.44 ug/L	62262	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72
3	Indan, 1-methyl-	132	C10H12	000767-58-8	70
4	Indan, 1-methyl-	132	C10H12	000767-58-8	64
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

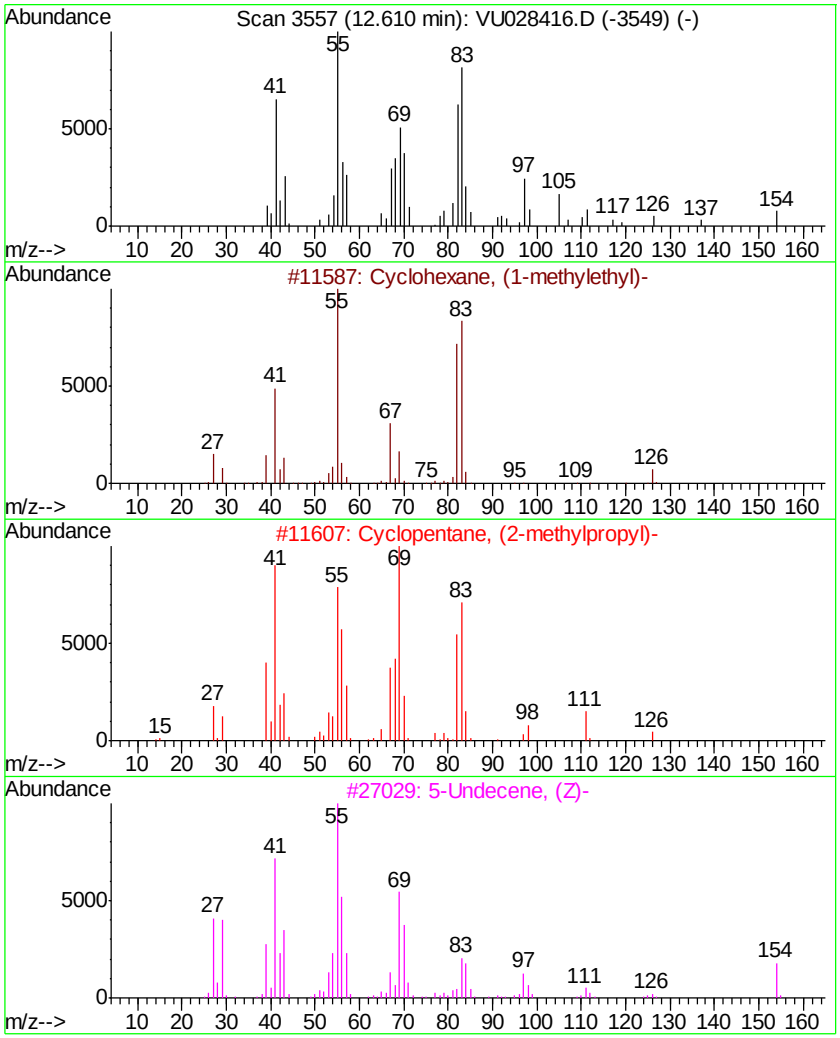
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

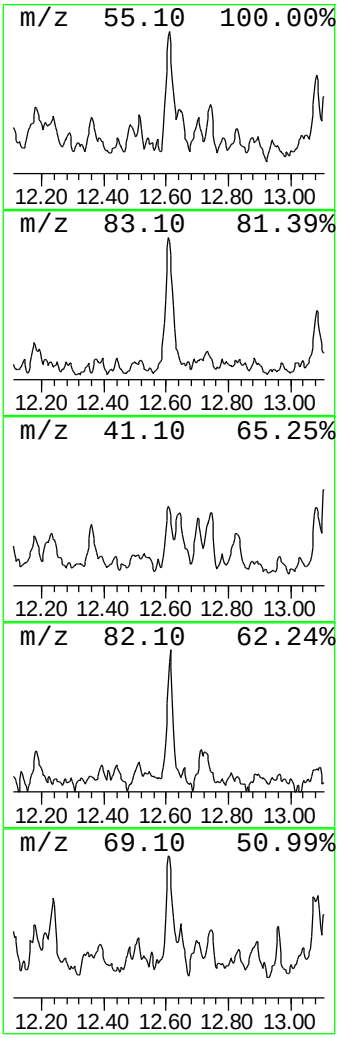
****

Peak Number 61 (DEL) Alkane: Cyclic12.61 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2.83 ug/L	39797	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
2	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	52
3	5-Undecene, (Z)-	154	C11H22	000764-96-5	42
4	3-Undecene, (E)-	154	C11H22	001002-68-2	38
5	Cyclopentane, hexyl-	154	C11H22	004457-00-5	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

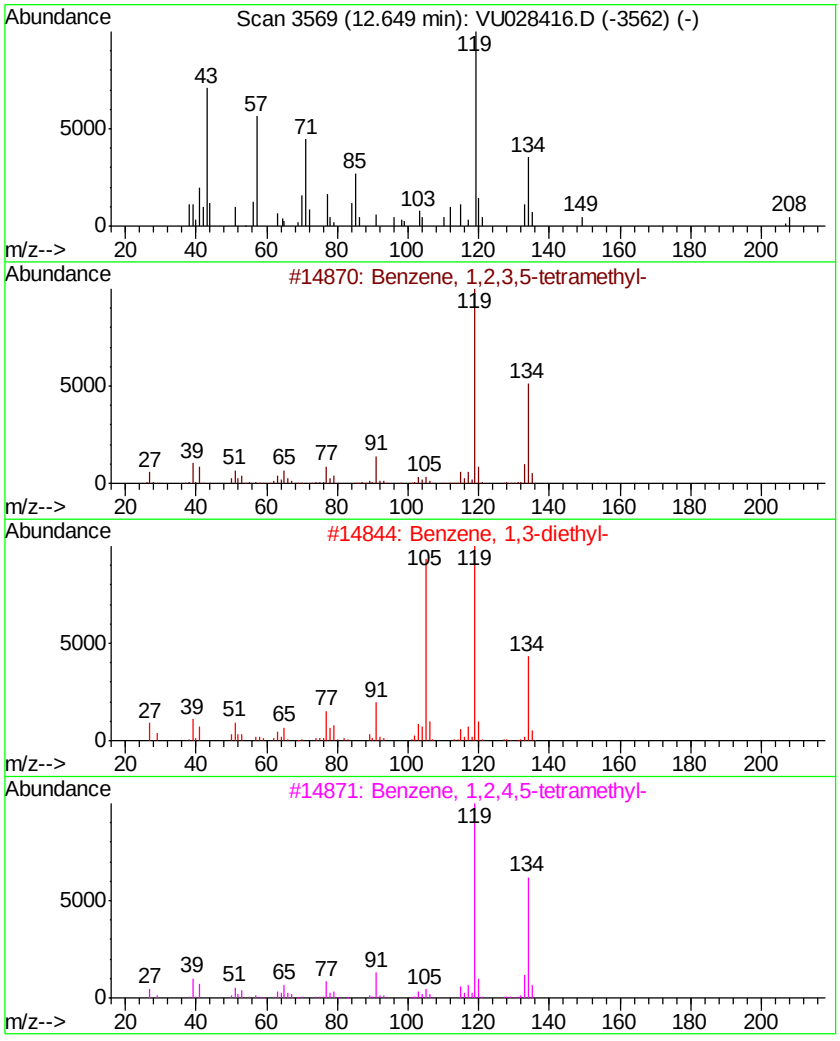
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

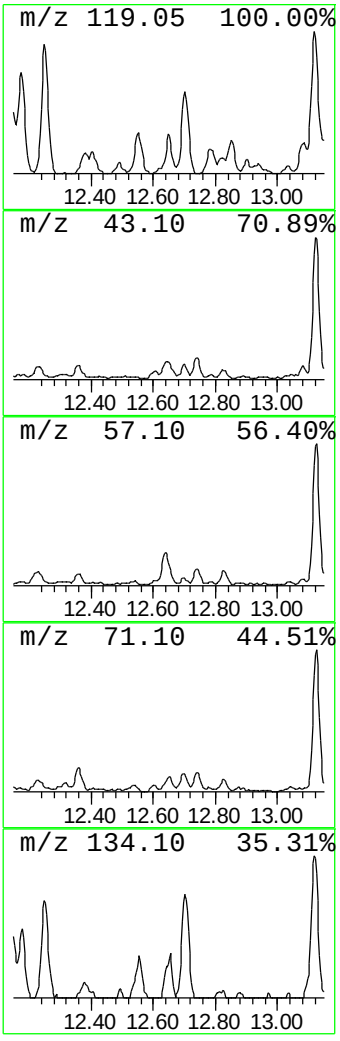
****

Peak Number 62 unknown-04 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	3.35 ug/L	47017	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	43
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	43
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38
4	Acetamide, N-(4,6,6-trimethylbic...	193	C12H19NO	133180-86-6	38
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

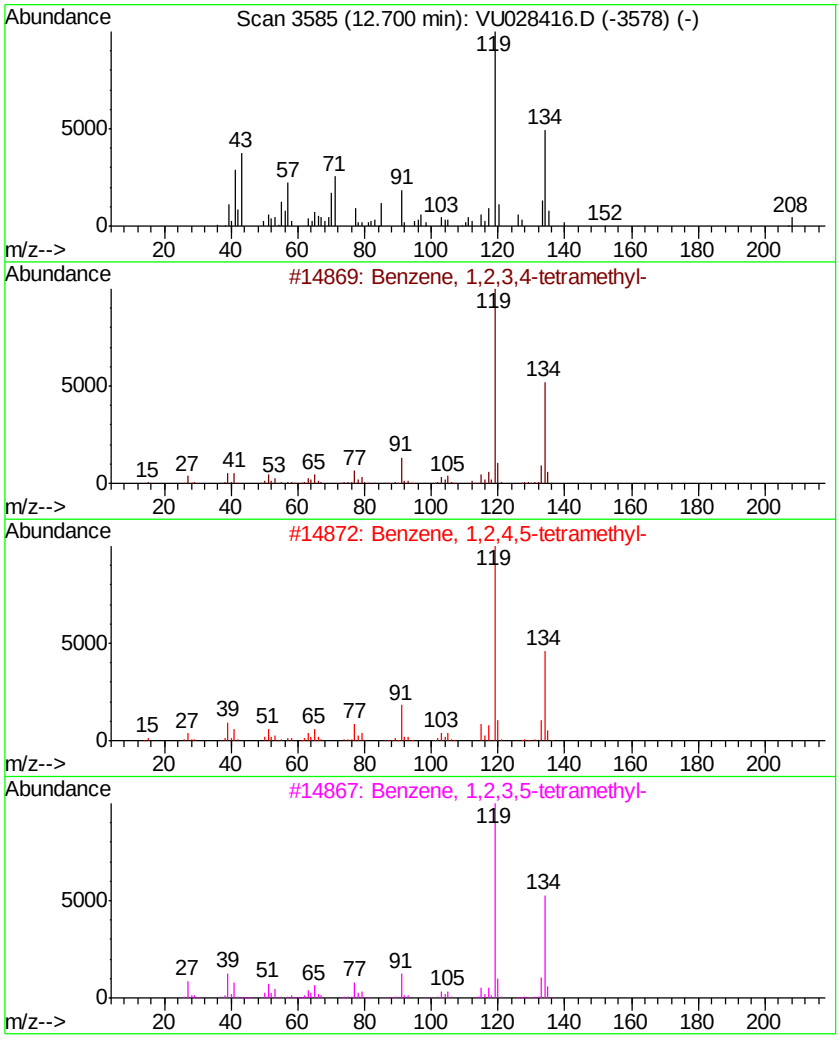
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

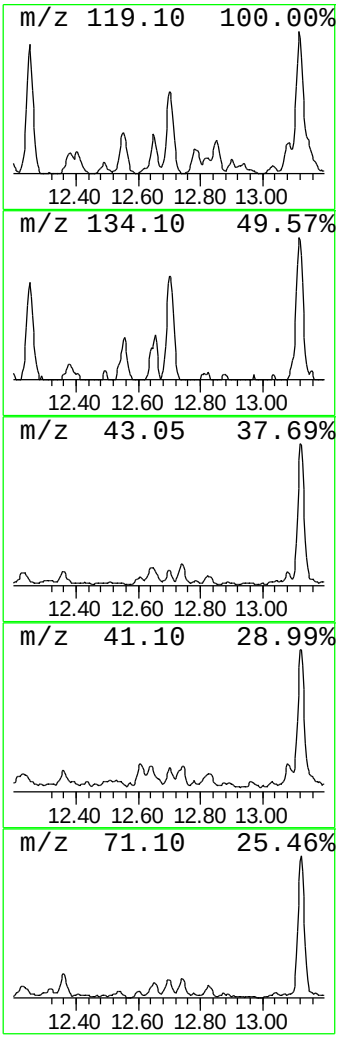
****

Peak Number 63 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.34 ug/L	46869	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

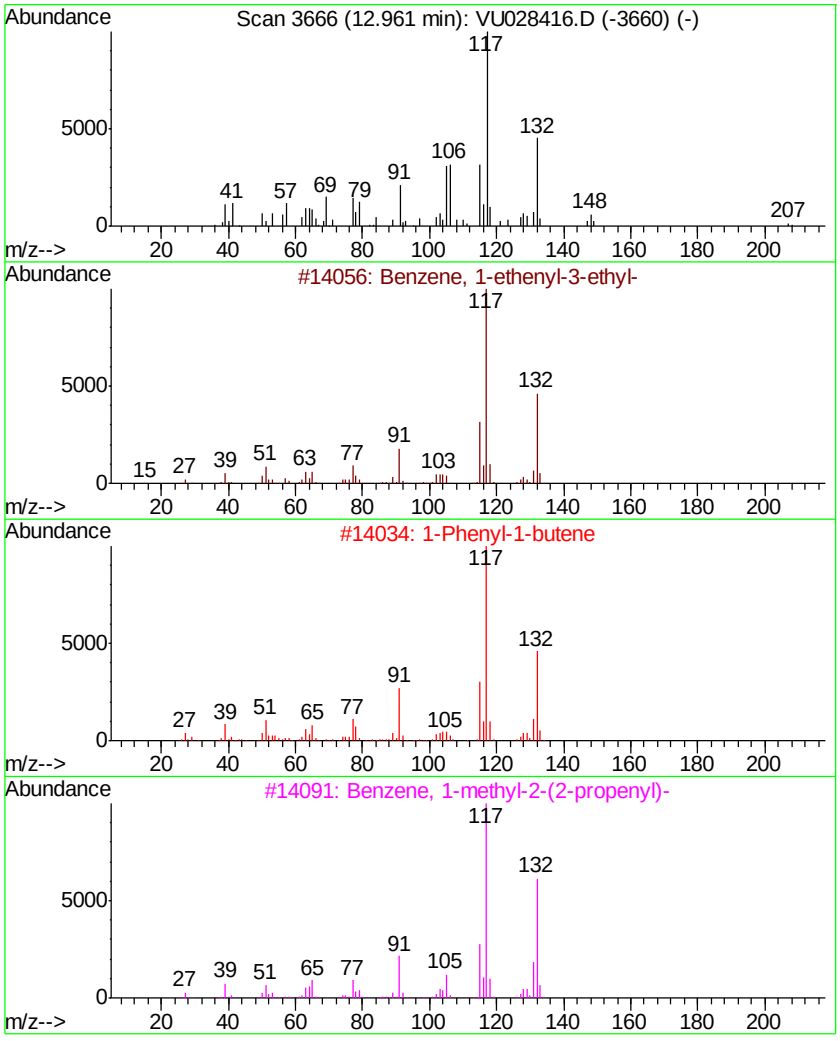
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

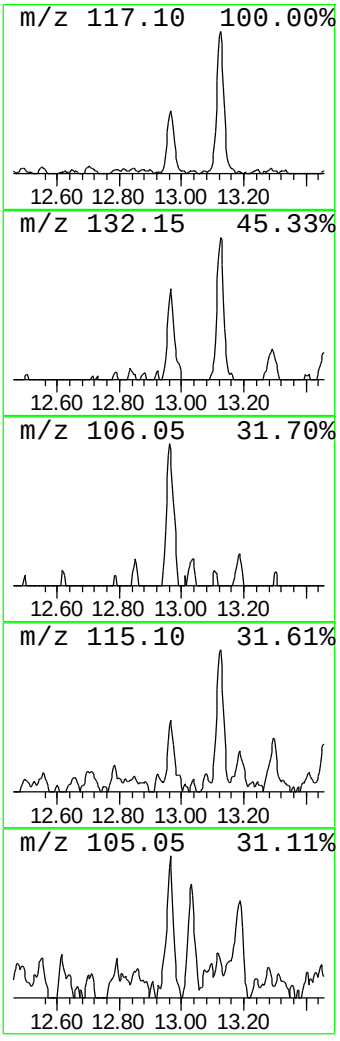
****

Peak Number 64 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.69 ug/L	37749	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	89
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

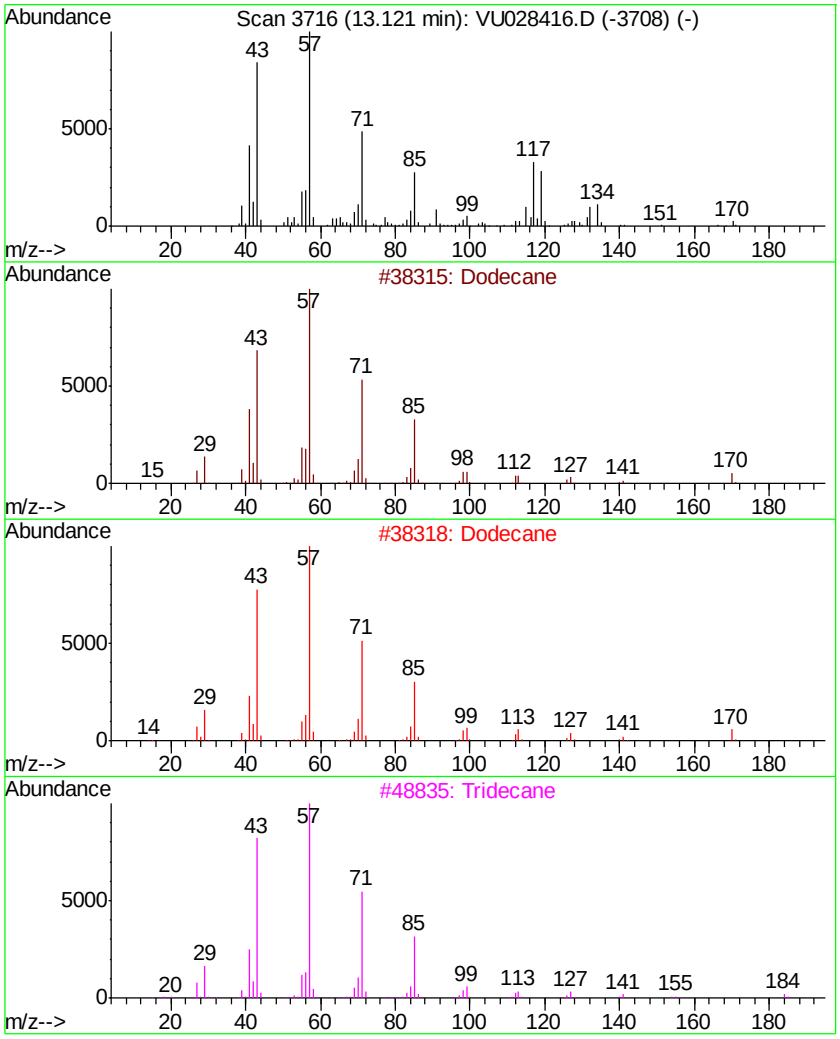
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

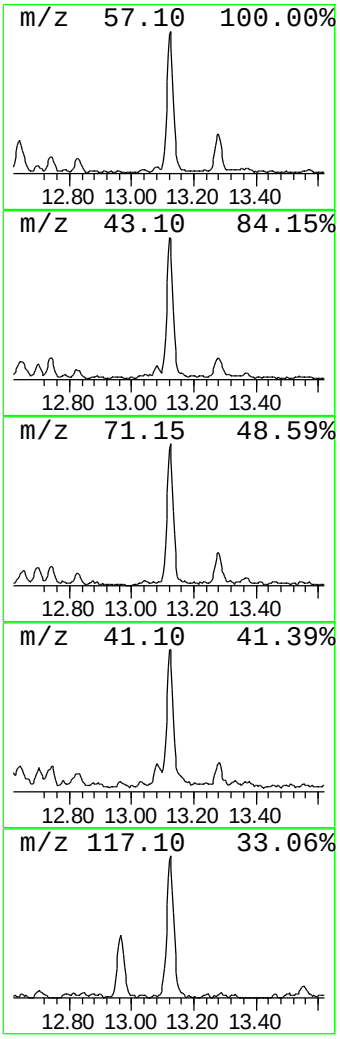
****

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	21.72 ug/L	304978	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	70
2	Dodecane	170	C12H26	000112-40-3	55
3	Tridecane	184	C13H28	000629-50-5	43
4	Tridecane	184	C13H28	000629-50-5	43
5	Tetradecane	198	C14H30	000629-59-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

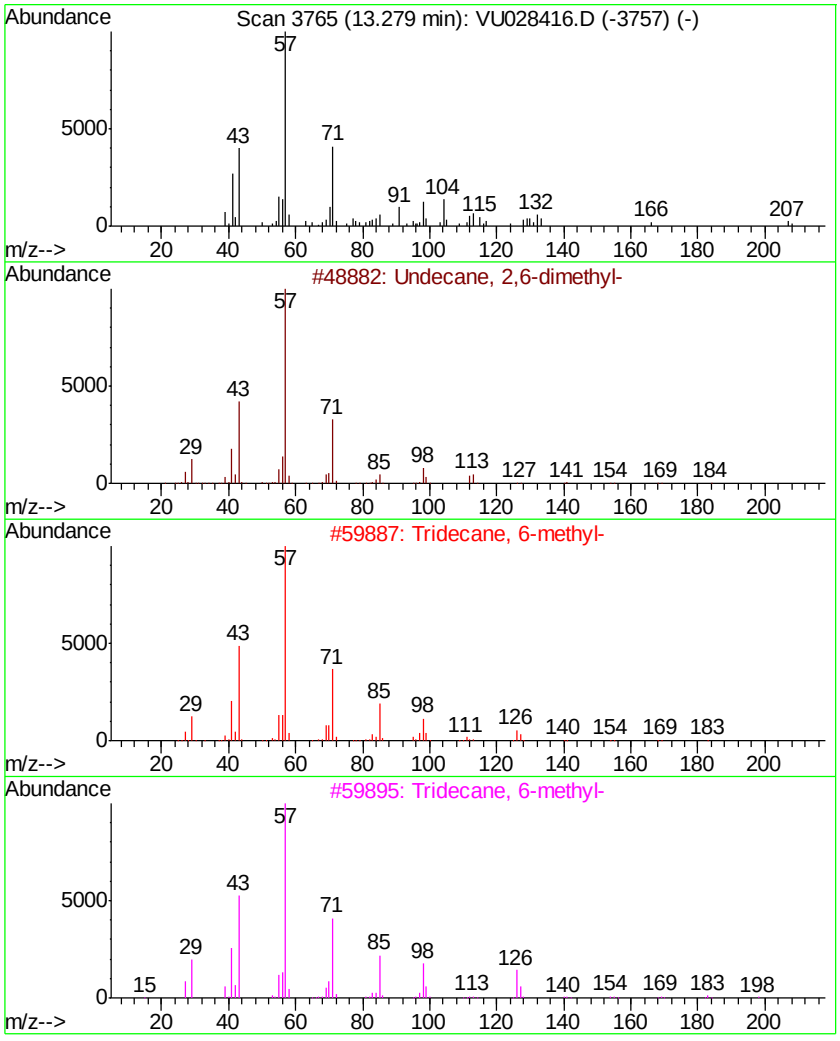
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

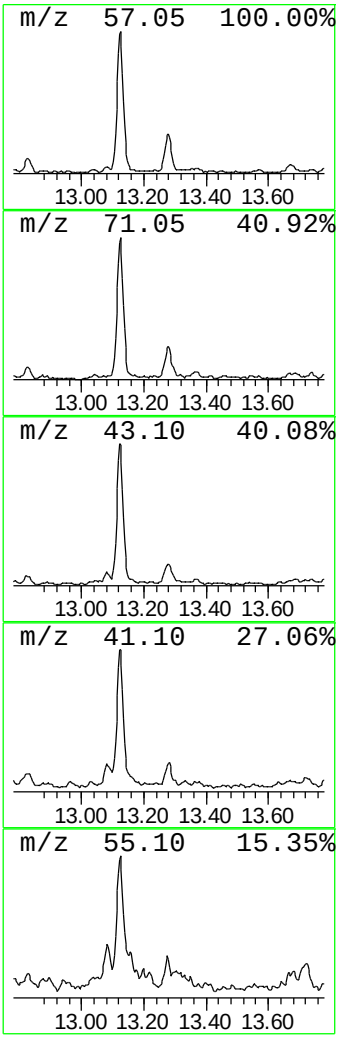
****

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	4.92 ug/L	69044	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

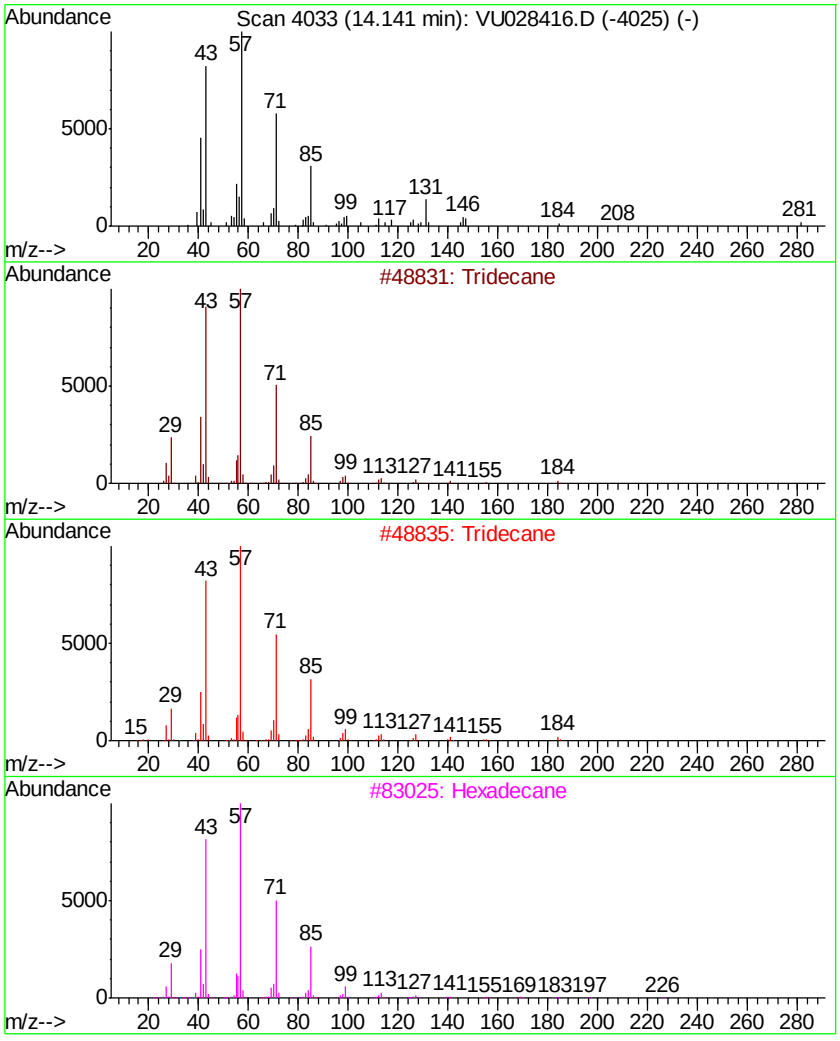
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

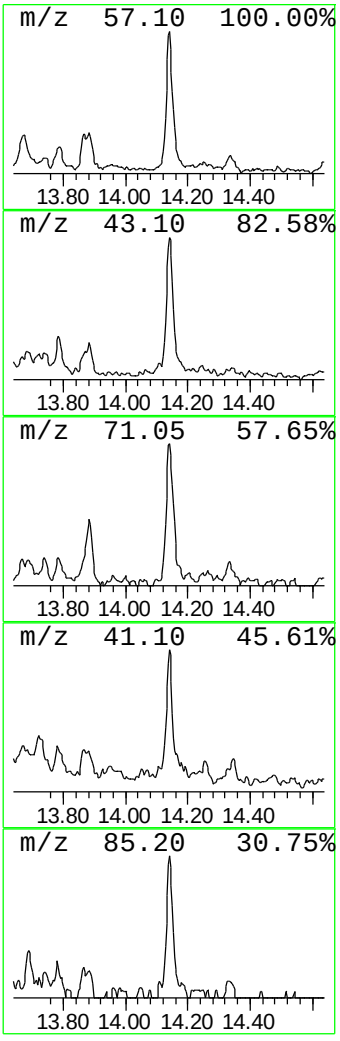
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	4.18 ug/L	58737	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Tridecane	184	C13H28	000629-50-5	76
3	Hexadecane	226	C16H34	000544-76-3	64
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	58
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028416.D
Acq On : 30 Nov 2018 12:27
Operator : MD/SY
Sample : J6077-05
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.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	3.4	ug/L	33266	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	1.51	3.1	ug/L	31028	1	5.88	492743	50.0
unknown-01	1.60	11.6	ug/L	114457	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	1.84	5.2	ug/L	51073	1	5.88	492743	50.0
(DEL) Alkane: Str...	1.88	18.7	ug/L	183980	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	2.00	3.2	ug/L	31780	1	5.88	492743	50.0
(DEL) Alkane: Str...	2.14	5.5	ug/L	53722	1	5.88	492743	50.0
Cyclopentene	2.65	4.0	ug/L	38893	1	5.88	492743	50.0
(DEL) Alkane: Str...	2.71	10.2	ug/L	100153	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	2.76	3.3	ug/L	32547	1	5.88	492743	50.0
(DEL) Alkane: Str...	2.96	6.4	ug/L	63487	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	3.18	8.9	ug/L	87501	1	5.88	492743	50.0
(DEL) Alkane: Str...	3.28	24.8	ug/L	243976	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	3.53	2.7	ug/L	26871	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	4.07	12.6	ug/L	124542	1	5.88	492743	50.0
Cyclopentene, 1-m...	4.76	6.3	ug/L	61780	1	5.88	492743	50.0
unknown-02	5.05	4.7	ug/L	46483	1	5.88	492743	50.0
(DEL) Alkane: Str...	5.21	10.7	ug/L	105551	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	5.47	4.8	ug/L	46944	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	5.61	9.3	ug/L	91151	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	5.66	8.3	ug/L	81947	1	5.88	492743	50.0
(DEL) Alkane: Str...	5.77	33.4	ug/L	329422	1	5.88	492743	50.0
unknown-03	6.22	3.6	ug/L	35933	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	6.63	5.5	ug/L	54053	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	6.73	3.5	ug/L	34812	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	6.90	6.1	ug/L	60090	1	5.88	492743	50.0
Cyclopentene, 4,4...	7.06	5.8	ug/L	57374	1	5.88	492743	50.0
(DEL) Alkane: Str...	7.17	10.9	ug/L	107367	1	5.88	492743	50.0
(DEL) Alkane: Str...	7.33	4.9	ug/L	48514	1	5.88	492743	50.0
Cyclohexene, 1-me...	7.42	6.5	ug/L	64003	1	5.88	492743	50.0
(DEL) Alkane: Cyc...	7.73	5.2	ug/L	63868	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	7.91	5.7	ug/L	69972	2	9.09	618225	50.0
5,5-Dimethyl-1,3-...	8.09	2.8	ug/L	34495	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	8.48	2.5	ug/L	31406	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	8.54	4.8	ug/L	59316	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	8.60	5.2	ug/L	63782	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	8.75	4.7	ug/L	58249	2	9.09	618225	50.0
(DEL) Alkane: Str...	8.91	4.8	ug/L	58713	2	9.09	618225	50.0
(DEL) Alkane: Str...	9.03	6.2	ug/L	76786	2	9.09	618225	50.0
(DEL) Alkane: Str...	9.44	26.4	ug/L	326313	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	9.56	2.7	ug/L	33303	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	9.71	4.4	ug/L	53982	2	9.09	618225	50.0
(DEL) Alkane: Str...	9.95	8.4	ug/L	104219	2	9.09	618225	50.0
(DEL) Alkane: Cyc...	10.05	5.3	ug/L	65905	2	9.09	618225	50.0
(DEL) Alkane: Str...	10.32	4.6	ug/L	64392	3	11.48	701931	50.0
Benzene, 1-ethyl-...	10.68	9.8	ug/L	137474	3	11.48	701931	50.0
(DEL) Alkane: Cyc...	10.75	10.5	ug/L	146974	3	11.48	701931	50.0
(DEL) Alkane: Str...	10.81	21.6	ug/L	303640	3	11.48	701931	50.0
(DEL) Alkane: Str...	11.12	2.5	ug/L	35143	3	11.48	701931	50.0

Benzene, 1,2,3-tr...	11.15	8.5	ug/L	119578	3	11.48	701931	50.0
(DEL) Alkane: Cyc...	11.40	3.8	ug/L	52698	3	11.48	701931	50.0
Benzene, 1,2,4-tr...	11.57	4.4	ug/L	62082	3	11.48	701931	50.0
Indane	11.77	4.0	ug/L	55770	3	11.48	701931	50.0
(DEL) Alkane: Cyc...	11.98	5.8	ug/L	81612	3	11.48	701931	50.0
(DEL) Alkane: Str...	12.02	20.1	ug/L	281899	3	11.48	701931	50.0
Benzene, 4-ethyl-...	12.25	3.5	ug/L	48923	3	11.48	701931	50.0
Benzene, (1-methy...	12.36	4.4	ug/L	62262	3	11.48	701931	50.0
(DEL) Alkane: Cyc...	12.61	2.8	ug/L	39797	3	11.48	701931	50.0
unknown-04	12.65	3.4	ug/L	47017	3	11.48	701931	50.0
Benzene, 1,2,3,4-...	12.70	3.3	ug/L	46869	3	11.48	701931	50.0
Benzene, 1-etheny...	12.96	2.7	ug/L	37749	3	11.48	701931	50.0
(DEL) Alkane: Str...	13.12	21.7	ug/L	304978	3	11.48	701931	50.0
(DEL) Alkane: Str...	13.28	4.9	ug/L	69044	3	11.48	701931	50.0
(DEL) Alkane: Str...	14.14	4.2	ug/L	58737	3	11.48	701931	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9Y38