LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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	1.640	105	145	156	rBV2	282935	742187	7.29%	0.391%
2	2.238	320	331	348	rBV	350571	558118	5.48%	0.294%
3	2.964	540	557	580	rVV	378548	805303	7.91%	0.424%
4	4.189	925	938	976	rBV	122215	462016	4.54%	0.243%
5	4.636	1060	1077	1095	rBV	263781	671961	6.60%	0.354%
6	4.980	1162	1184	1198	rBV	736436	1789683	17.58%	0.943%
7	5.064	1198	1210	1233	rVV	290506	707513	6.95%	0.373%
8	5.244	1239	1266	1276	rBV	308809	788088	7.74%	0.415%
9	5.328	1276	1292	1318	rVV2	610147	1747871	17.17%	0.921%
10	5.469	1318	1336	1347	rVV2	1152077	2591507	25.46%	1.365%
11	5.543	1347	1359	1369	rVV	969884	2147481	21.09%	1.131%
12	5.611	1369	1380	1406	rVB	1755812	3929511	38.60%	2.070%
13	5.881	1449	1464	1500	rBV	564489	1194004	11.73%	0.629%
14	6.328	1590	1603	1610	rVV	384890	789101	7.75%	0.416%
15	6.405	1610	1627	1641	rVV3	4128120	10180582	100.00%	5.364%
16	6.524	1655	1664	1678	rVB2	241132	476819	4.68%	0.251%
17	6.733	1711	1729	1748	rVV	1117142	2237042	21.97%	1.179%
18	6.897	1763	1780	1803	rVV	1396725	2775476	27.26%	1.462%
19	7.099	1816	1843	1850	rBV	231203	481967	4.73%	0.254%
20	7.141	1850	1856	1871	rVB	208827	386942	3.80%	0.204%
21	7.247	1871	1889	1898	rBV2	336856	1020332	10.02%	0.538%
22	7.369	1916	1927	1935	rBV2	229009	410636	4.03%	0.216%
23	7.430	1935	1946	1961	rVB5	267088	661622	6.50%	0.349%
24	7.524	1961	1975	1982	rBV2	2381047	4682385	45.99%	2.467%
25	7.697	2015	2029	2037	rBV5	581576	1225639	12.04%	0.646%
26	7.771	2045	2052	2065	rVB	900363	1590238	15.62%	0.838%
27	7.852	2065	2077	2084	rBV2	234743	422073	4.15%	0.222%
28	7.913	2084	2096	2115	rVB2	2020017	3733901	36.68%	1.967%
29	8.041	2117	2136	2147	rBV	551598	1079837	10.61%	0.569%
30	8.221	2181	2192	2205	rVB2	377588	653017	6.41%	0.344%
31	8.324	2205	2224	2235	rBV2	2018775	3702253	36.37%	1.951%
32	8.453	2248	2264	2268	rBV	460205	822508	8.08%	0.433%
33	8.543	2281	2292	2301	rVB	1802424	2999964	29.47%	1.581%
34	8.604	2301	2311	2321	rBV	2520429	4527493	44.47%	2.386%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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	8.755	2346	2358	2367	rBV	838619	1503106	14.76%	0.792%
36	8.813	2367	2376	2379	rBV	675675	961939	9.45%	0.507%
37	8.845	2380	2386	2414	rVB4	1299898	2899972	28.49%	1.528%
38	9.022	2433	2441	2453	rBV	408915	720732	7.08%	0.380%
39	9.089	2453	2462	2473	rVB	858667	1412845	13.88%	0.744%
40	9.163	2474	2485	2486	rBV2	311784	392320	3.85%	0.207%
41	9.241	2500	2509	2525	rVB2	600584	1156280	11.36%	0.609%
42	9.347	2525	2542	2550	rBV5	992601	2302514	22.62%	1.213%
43	9.401	2551	2559	2566	rVV2	1344456	2286718	22.46%	1.205%
44	9.443	2566	2572	2598	rVB2	858841	1972225	19.37%	1.039%
45	9.562	2598	2609	2622	rBV3	715791	1336719	13.13%	0.704%
46	9.716	2642	2657	2676	rBV5	1447943	3404067	33.44%	1.794%
47	9.816	2678	2688	2696	rBV5	483968	900468	8.84%	0.474%
48	9.951	2711	2730	2740	rBV3	4220788	7774526	76.37%	4.096%
49	10.041	2741	2758	2765	rVV2	2329816	4824596	47.39%	2.542%
50	10.089	2766	2773	2784	rVV	2625290	4373056	42.95%	2.304%
51	10.160	2785	2795	2805	rVB4	641491	1244090	12.22%	0.656%
52	10.221	2805	2814	2818	rBV5	556931	875607	8.60%	0.461%
53	10.253	2819	2824	2835	rVB3	691740	1127668	11.08%	0.594%
54	10.376	2853	2862	2870	rBV	595192	920573	9.04%	0.485%
55	10.437	2870	2881	2887	rVV2	719241	1361862	13.38%	0.718%
56	10.488	2888	2897	2916	rVB4	2447524	4611823	45.30%	2.430%
57	10.588	2922	2928	2933	rBV	285941	381823	3.75%	0.201%
58	10.633	2934	2942	2954	rVV5	743462	1726462	16.96%	0.910%
59	10.700	2956	2963	2970	rVV5	857530	1610515	15.82%	0.849%
60	10.752	2970	2979	2988	rVV2	2011473	3543164	34.80%	1.867%
61	10.810	2989	2997	3007	rVV6	868845	1904495	18.71%	1.003%
62	10.864	3009	3014	3022	rVB5	359959	500402	4.92%	0.264%
63	10.970	3040	3047	3053	rBV2	387458	741446	7.28%	0.391%
64	11.070	3071	3078	3085	rVB4	417144	652660	6.41%	0.344%
65	11.144	3086	3101	3107	rBV6	841771	1950860	19.16%	1.028%
66	11.273	3128	3141	3145	rBV4	549759	1074378	10.55%	0.566%
67	11.334	3155	3160	3170	rVB6	1305810	2109120	20.72%	1.111%
68	11.398	3172	3180	3187	rVV	1385322	1959081	19.24%	1.032%
69	11.440	3188	3193	3200	rVB5	626151	781732	7.68%	0.412%
70	11.485	3200	3207	3215	rBV	1065898	1589972	15.62%	0.838%
71	11.665	3256	3263	3271	rVB2	786995	1096872	10.77%	0.578%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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	11.777	3288	3298	3307	rBV8	654360	1395595	13.71%	0.735%
73	11.861	3314	3324	3342	rVB4	2394943	5581759	54.83%	2.941%
74	12.067	3383	3388	3409	rVB5	1356364	2880748	28.30%	1.518%
75	12.183	3414	3424	3432	rBV4	1025664	2020030	19.84%	1.064%
76	12.359	3470	3479	3487	rBV3	1050241	1974491	19.39%	1.040%
77	12.443	3499	3505	3513	rVB5	656428	973095	9.56%	0.513%
78	12.511	3519	3526	3545	rVB2	1867516	3705113	36.39%	1.952%
79	12.610	3547	3557	3564	rBV2	2114855	3579148	35.16%	1.886%
80	12.723	3583	3592	3603	rVB2	1505764	2487182	24.43%	1.310%
81	12.787	3605	3612	3623	rVV5	505835	876025	8.60%	0.462%
82	12.880	3634	3641	3650	rBV3	585066	1110150	10.90%	0.585%
83	13.121	3707	3716	3736	rVB3	3780480	7184152	70.57%	3.785%
84	13.289	3759	3768	3790	rVB3	1174297	3557860	34.95%	1.875%
85	13.408	3798	3805	3812	rBV4	648962	895829	8.80%	0.472%
86	13.456	3814	3820	3827	rVB3	432352	602015	5.91%	0.317%
87	13.511	3829	3837	3844	rBV	819646	1273982	12.51%	0.671%
88	13.675	3884	3888	3895	rVB3	681623	844527	8.30%	0.445%
89	13.729	3896	3905	3916	rVB4	1142979	2212674	21.73%	1.166%
90	13.790	3916	3924	3937	rBV6	1130507	1937184	19.03%	1.021%
91	13.883	3948	3953	3959	rVB2	549325	623690	6.13%	0.329%
92	14.179	4040	4045	4053	rVB3	439226	577699	5.67%	0.304%
93	14.343	4085	4096	4107	rVB7	1030784	2197896	21.59%	1.158%
94	14.678	4194	4200	4218	rVB4	500345	960214	9.43%	0.506%
95	14.874	4252	4261	4274	rBV2	1086427	2277528	22.37%	1.200%
96	15.060	4313	4319	4334	rVB2	719768	1183843	11.63%	0.624%
97	15.662	4500	4506	4515	rVB2	382601	547624	5.38%	0.289%
98	15.912	4574	4584	4605	rBV3	546896	1189017	11.68%	0.626%
99	16.060	4622	4630	4636	rBV	596153	919843	9.04%	0.485%
100	16.099	4636	4642	4660	rVB4	620479	1241287	12.19%	0.654%

Sum of corrected areas: 189791958

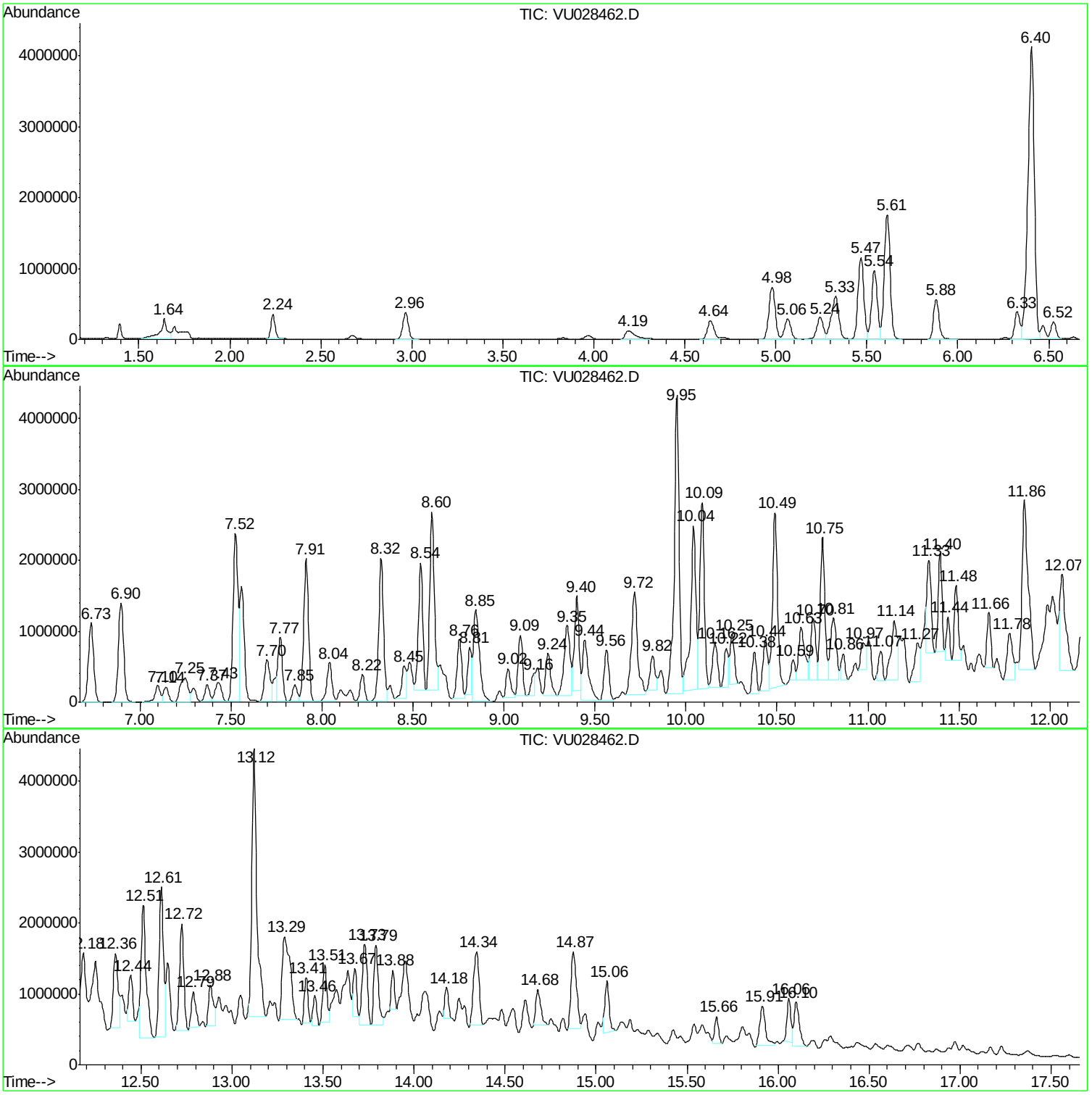
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

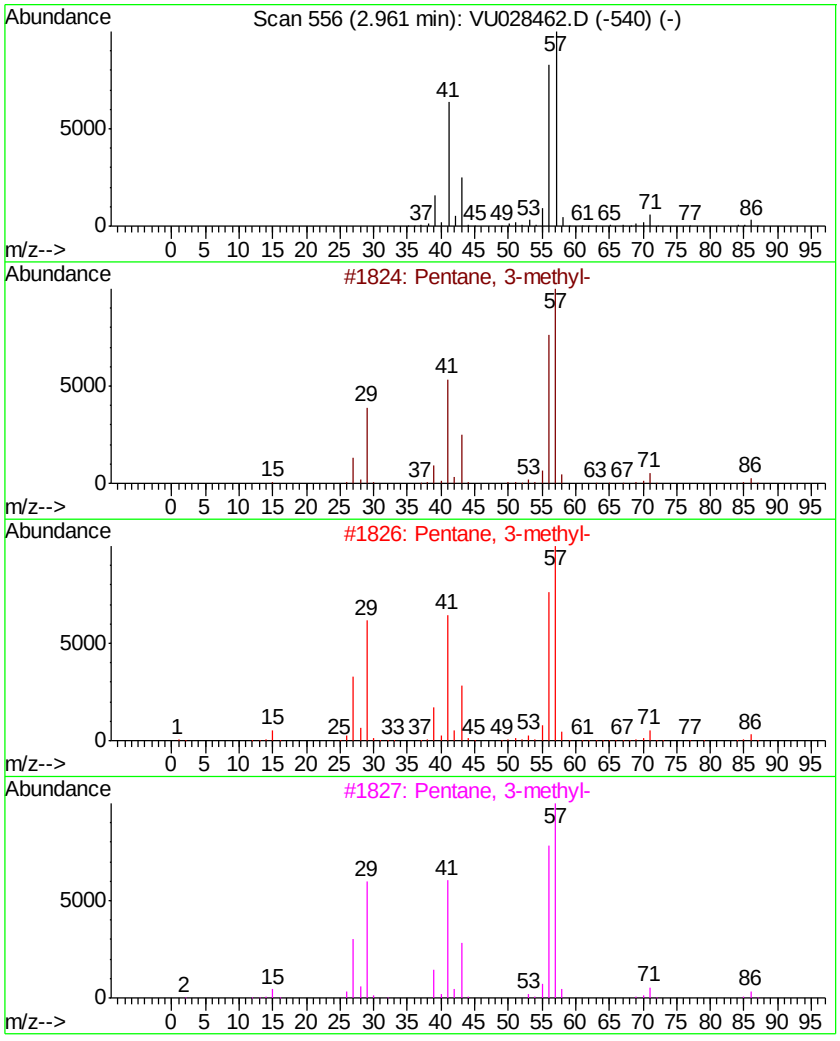
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

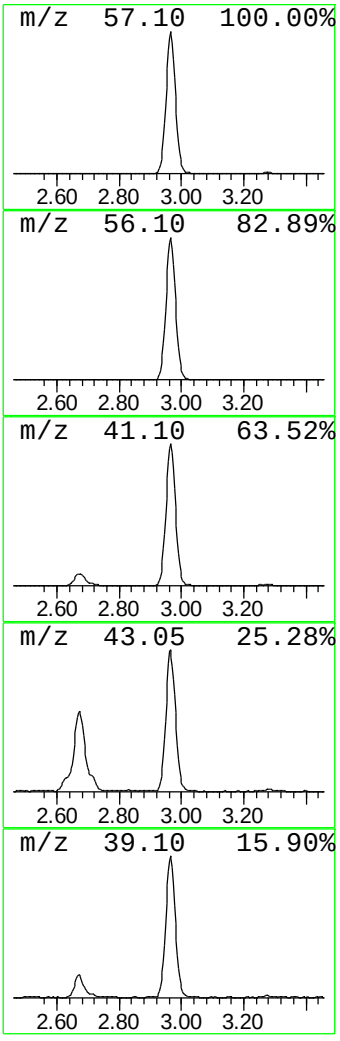
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	33.72 ug/L	805303	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

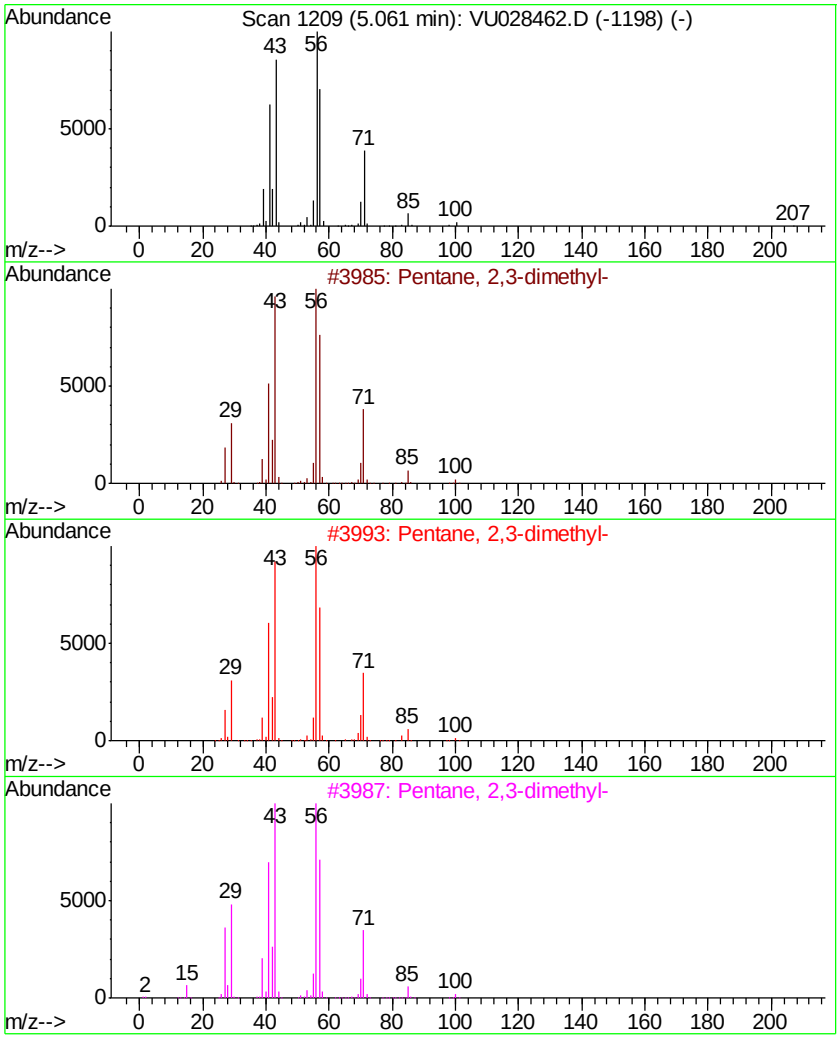
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

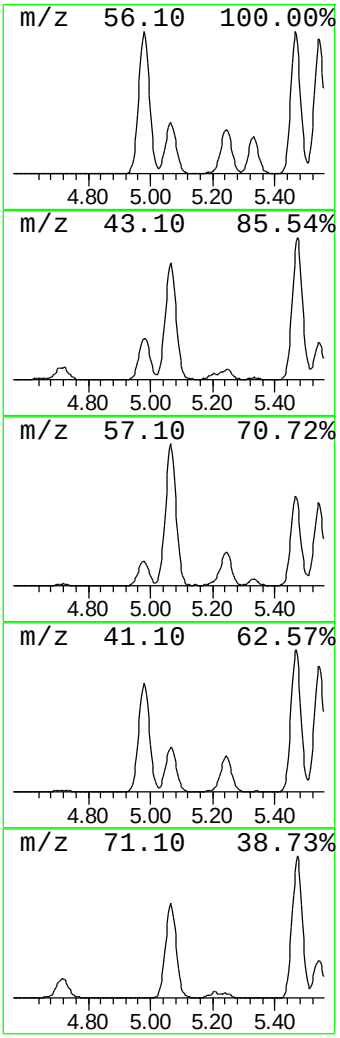
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	29.63 ug/L	707513	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	49
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

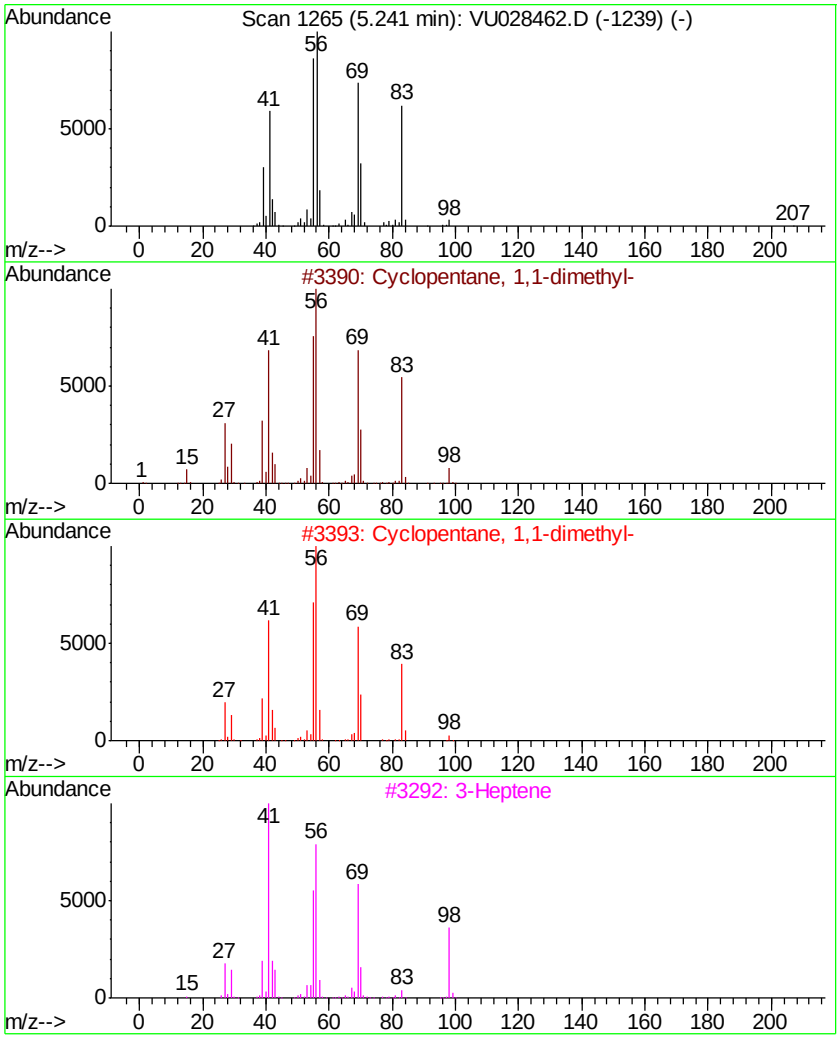
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

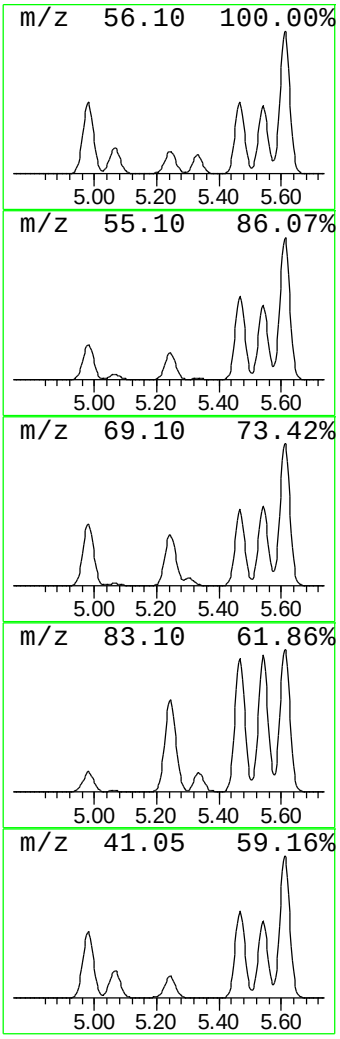
****

Peak Number 3 (DEL) Alkane: Cyclic5.24 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	33.00 ug/L	788088	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	90
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	87
3	3-Heptene	98	C7H14	000592-78-9	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	43
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

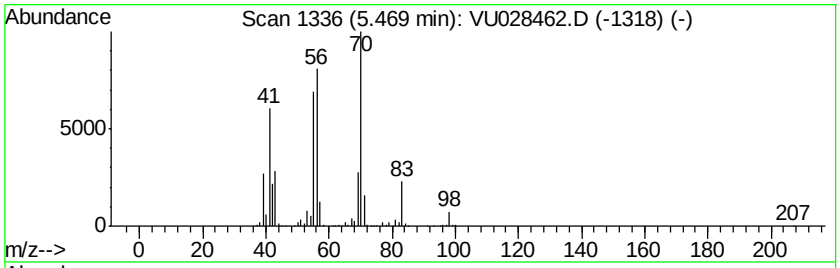
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

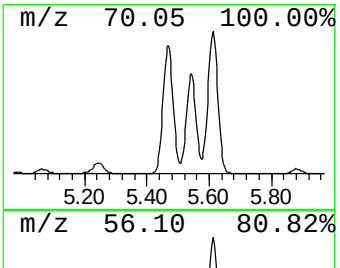
****

Peak Number 4 (DEL) Alkane: Cyclic5.47 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	108.52 ug/L	2591510	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	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

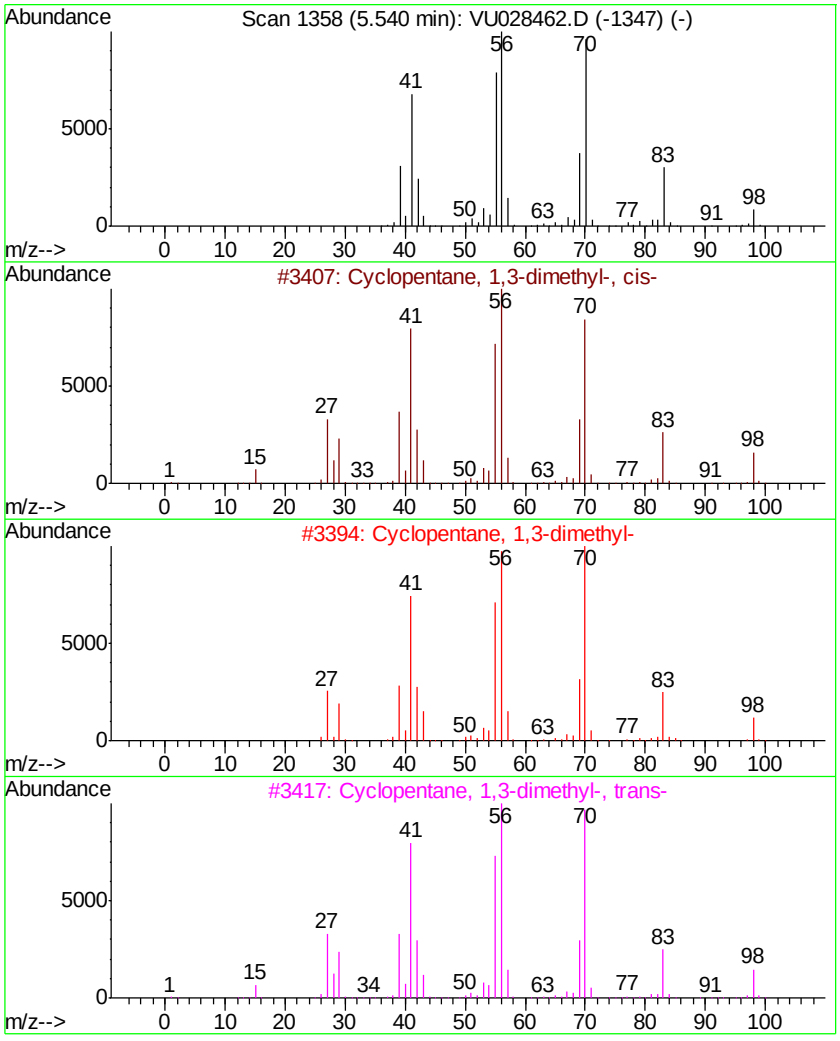
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

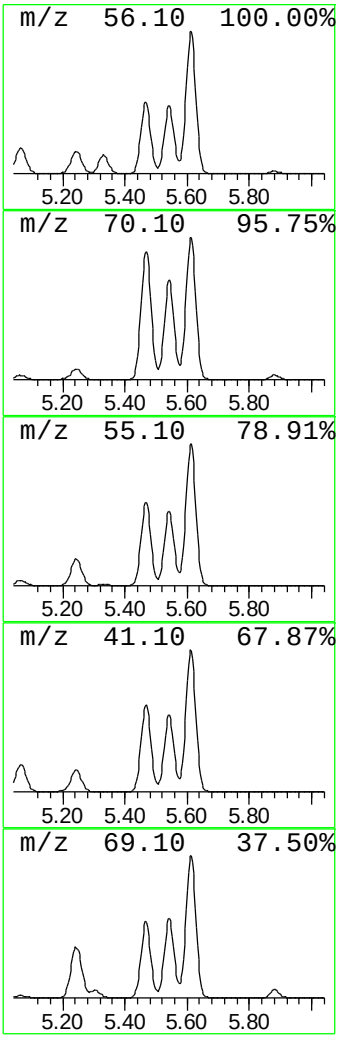
****

Peak Number 5 (DEL) Alkane: Cyclic5.54 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	89.93 ug/L	2147480	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

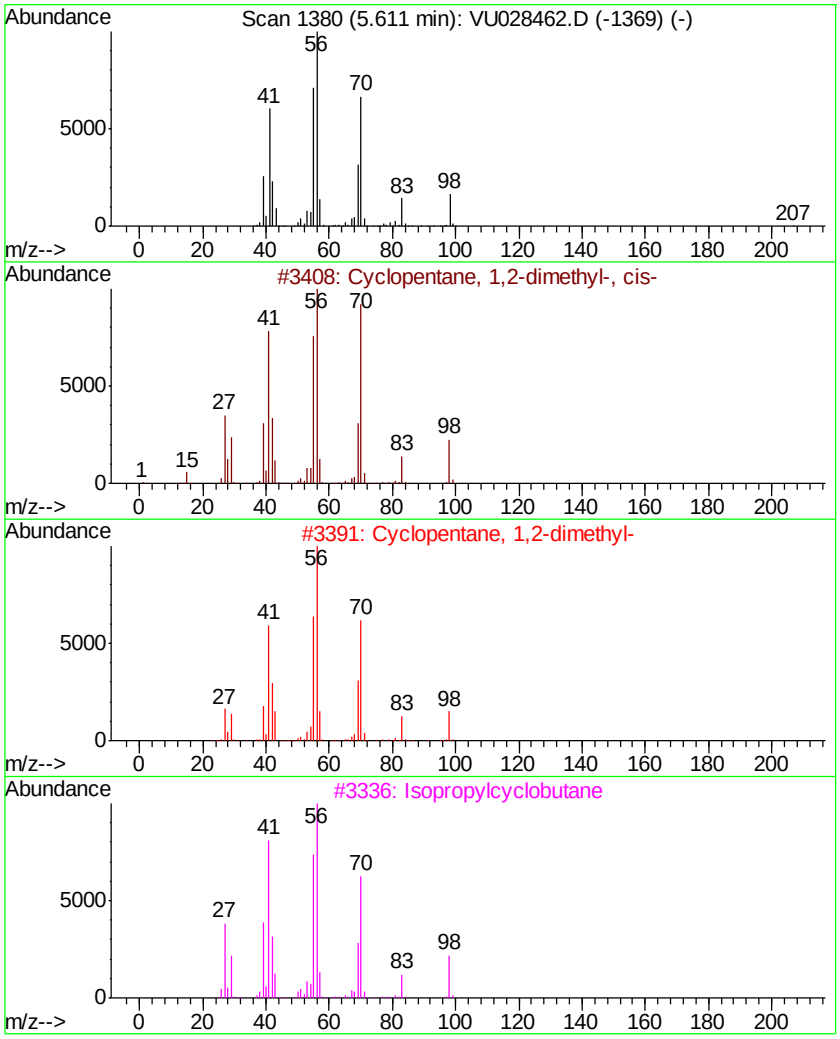
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

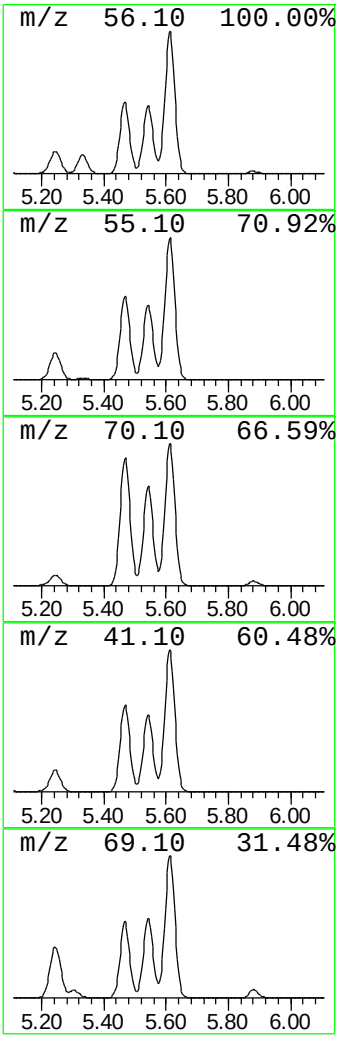
****

Peak Number 6 (DEL) Alkane: Cyclic5.61 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	164.55 ug/L	3929510	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	97
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	95
3	Isopropylcyclobutane	98	C7H14	000872-56-0	94
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

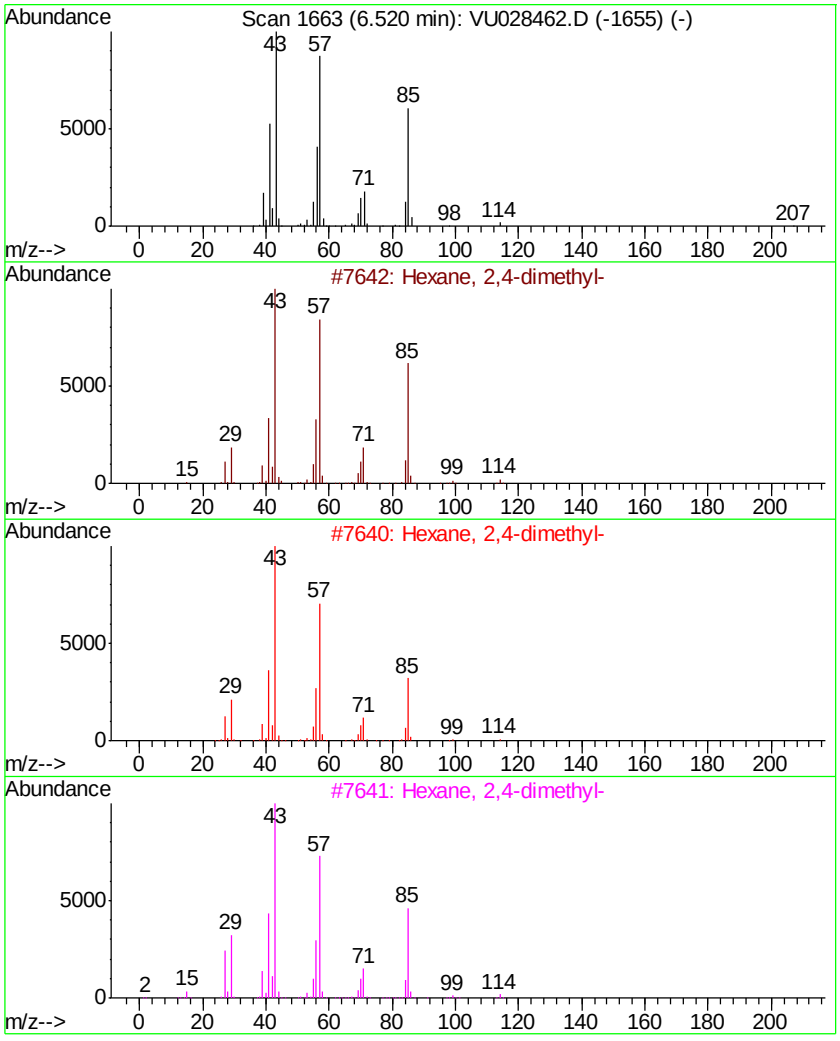
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

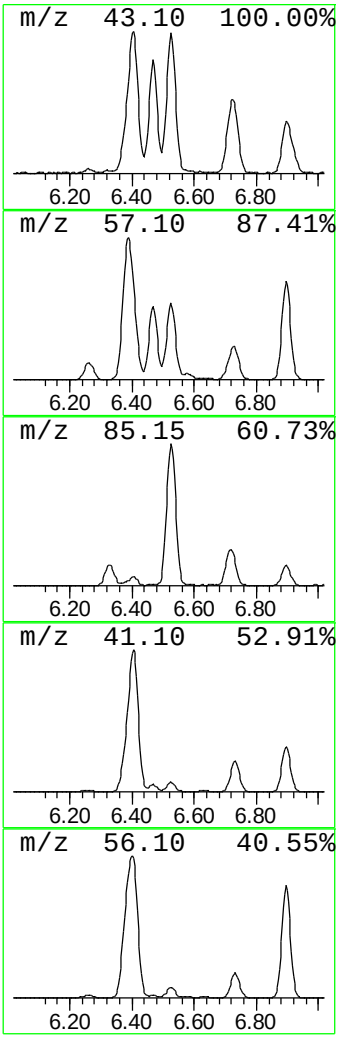
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	19.97 ug/L	476819	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	95
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	87
4	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	83
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

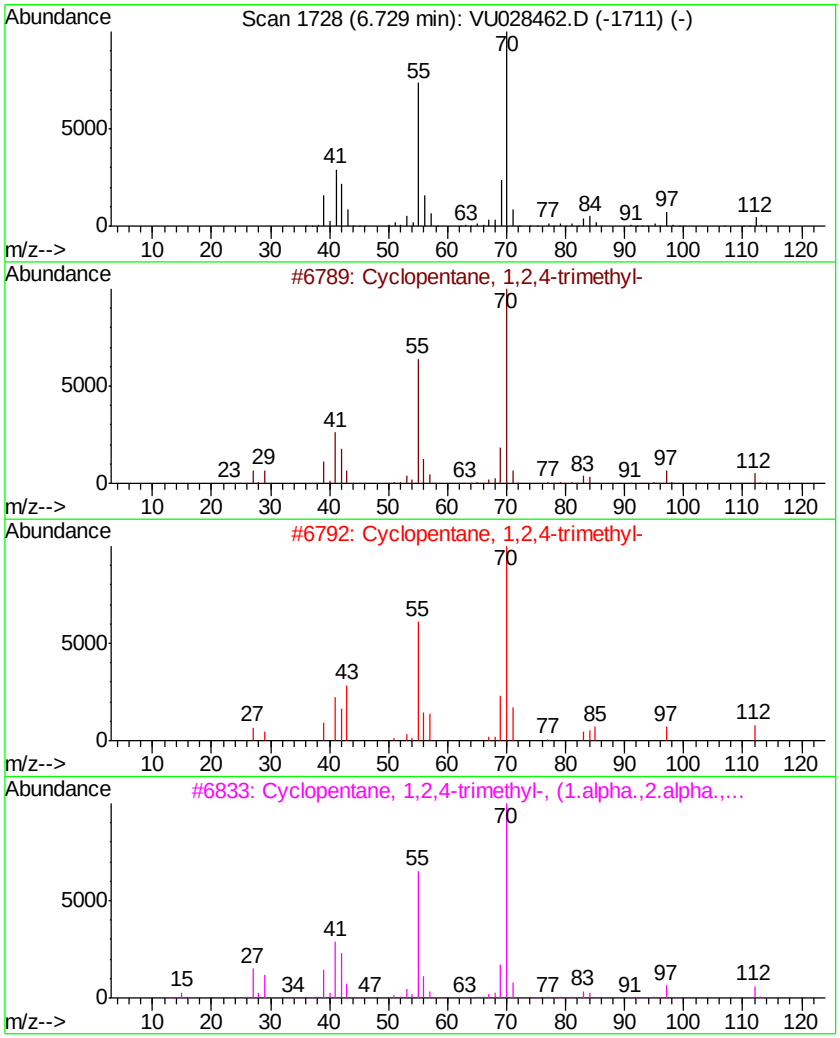
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

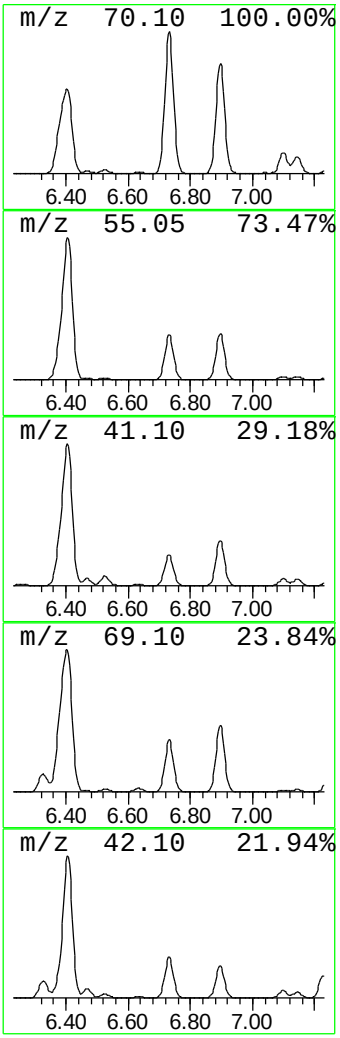
****

Peak Number 8 (DEL) Alkane: Cyclic6.73 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	93.68 ug/L	2237040	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

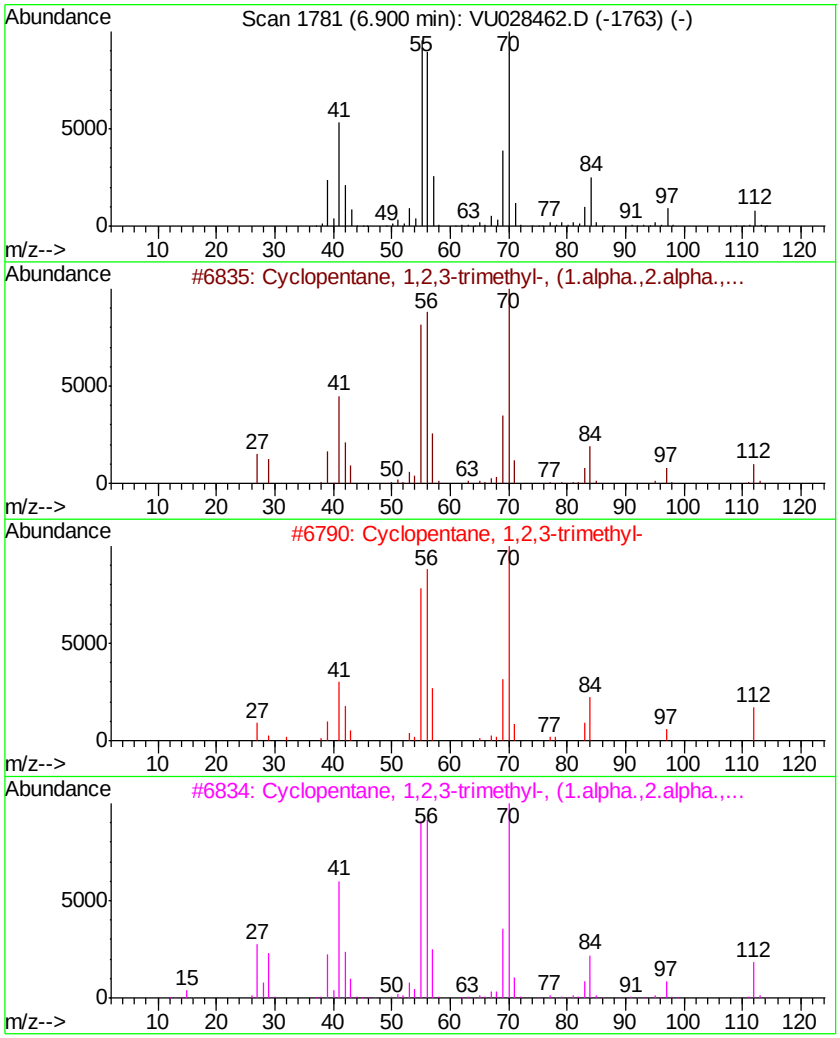
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

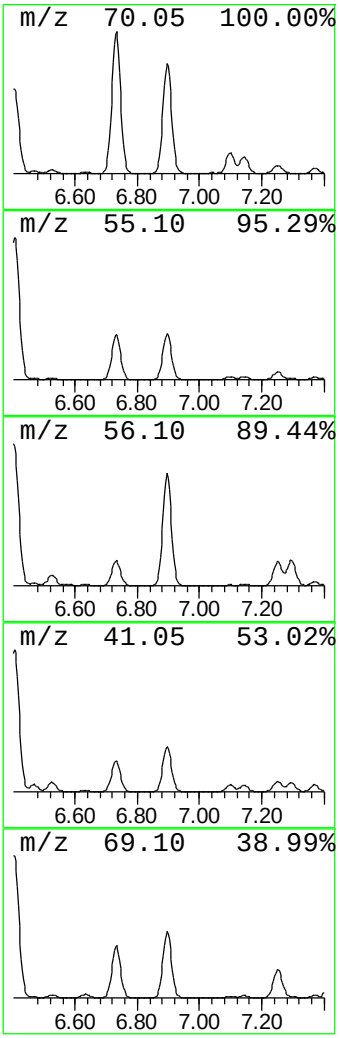
****

Peak Number 9 (DEL) Alkane: Cyclic6.90 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	116.23 ug/L	2775480	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	94
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

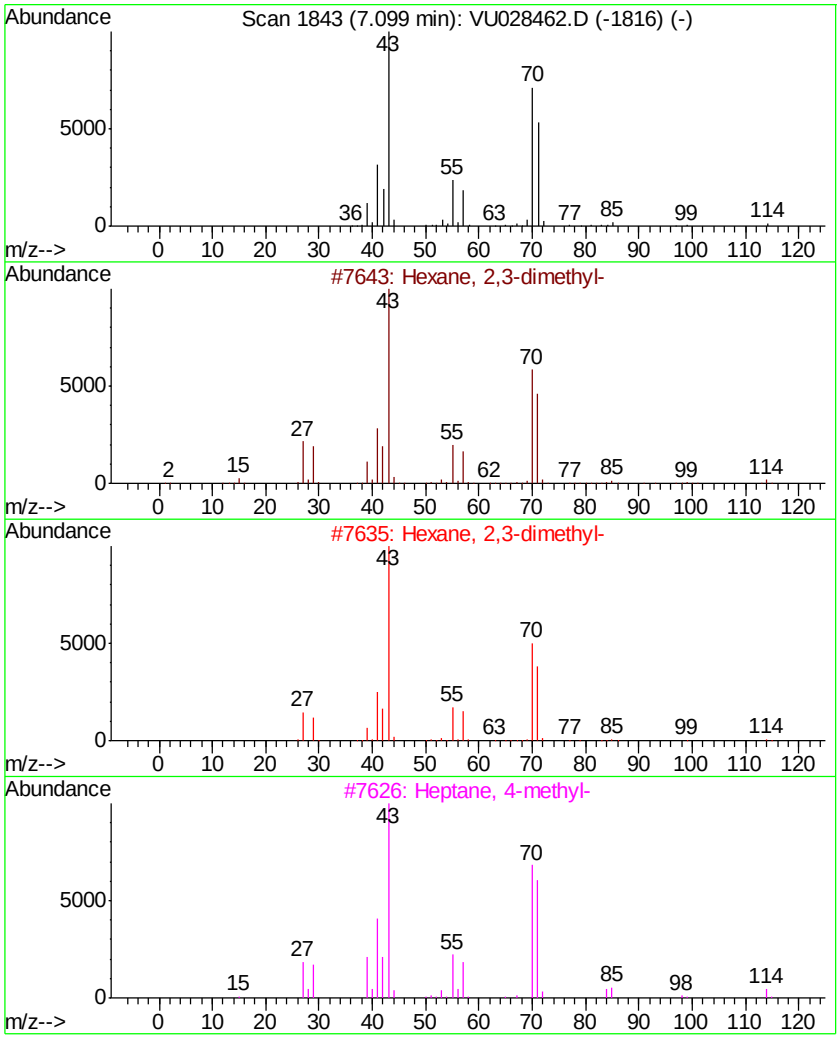
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

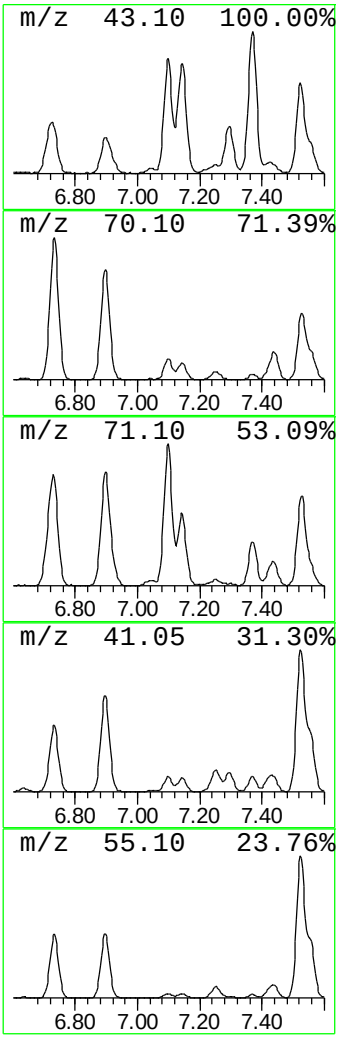
****

Peak Number 10 (DEL) Alkane: Cyclic7.10 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	20.18 ug/L	481967	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	80
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

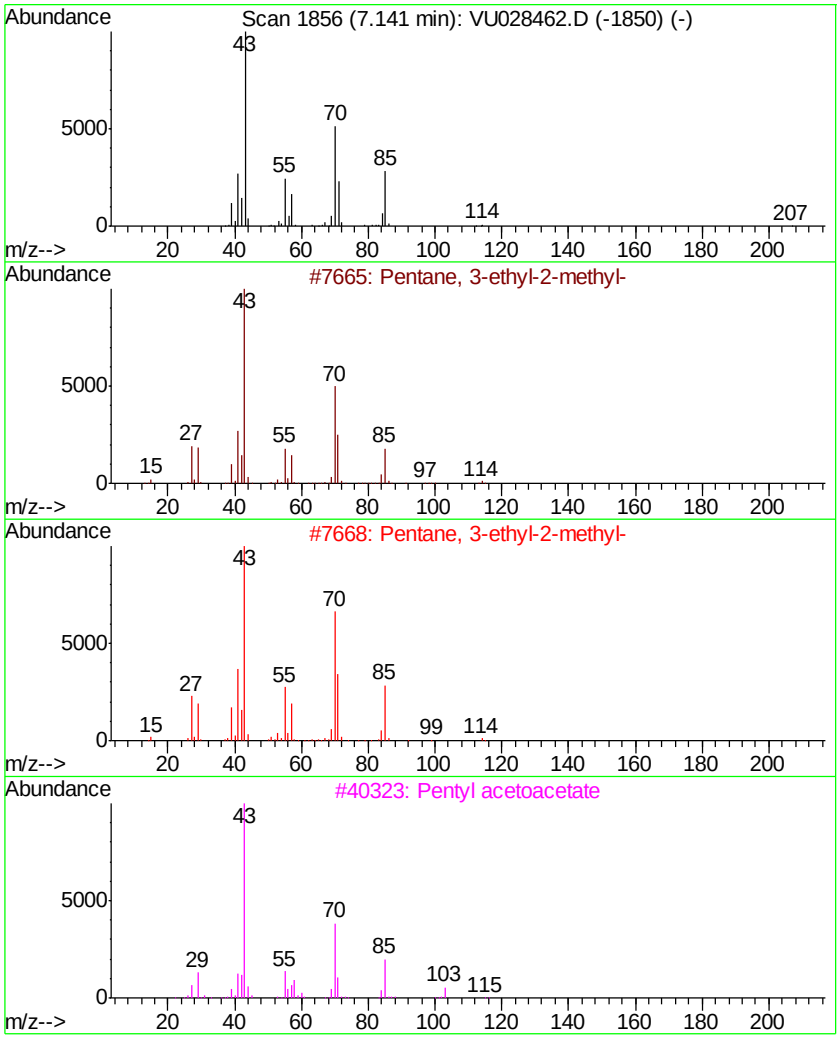
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

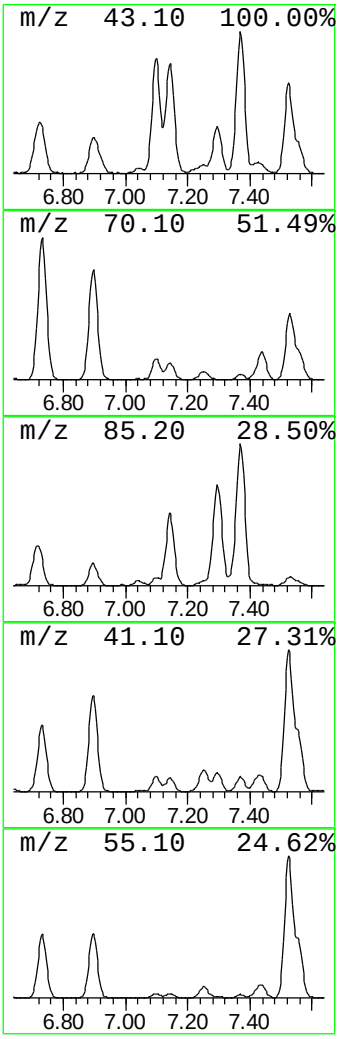
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	16.20 ug/L	386942	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
3	Pentyl acetoacetate	172	C9H16O3	006624-84-6	64
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

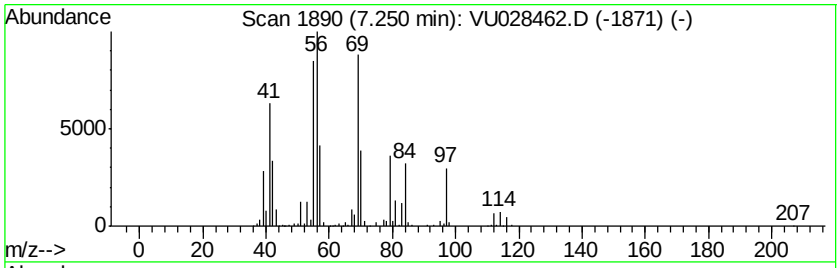
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

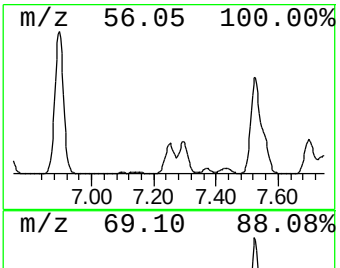
****

Peak Number 12 (DEL) Alkane: Cyclic7.25 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	42.73 ug/L	1020330	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	70
2	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	43
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
4	3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	38
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

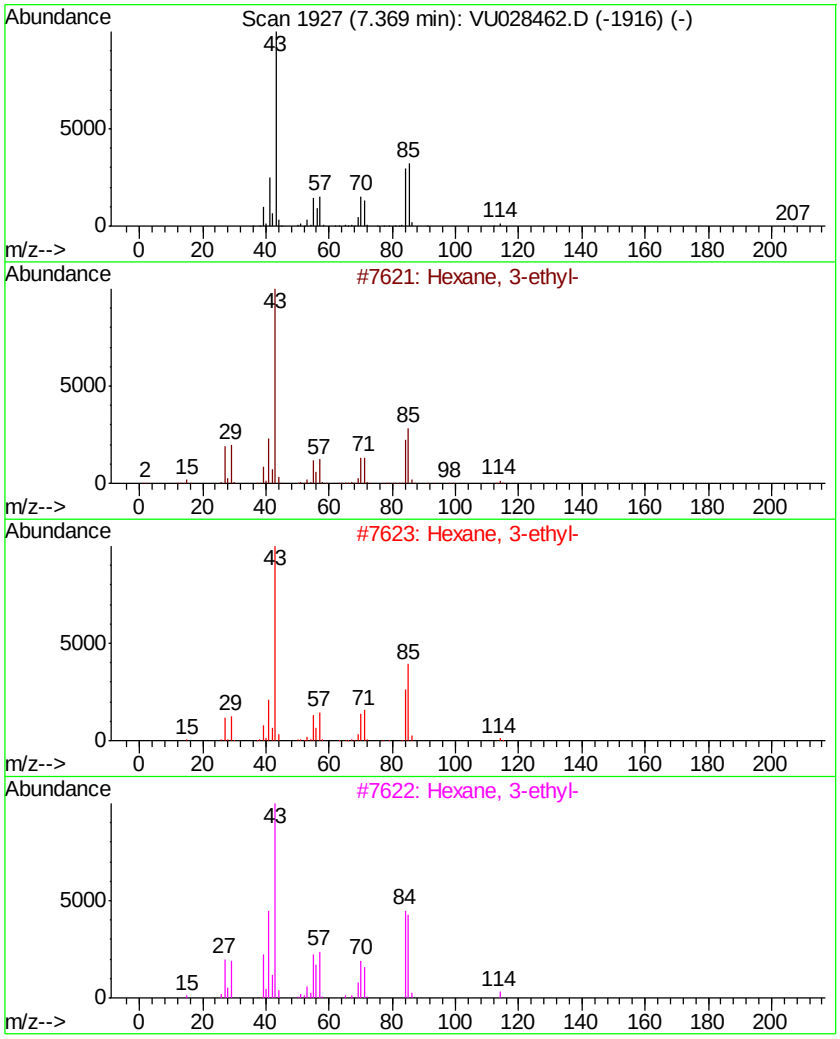
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

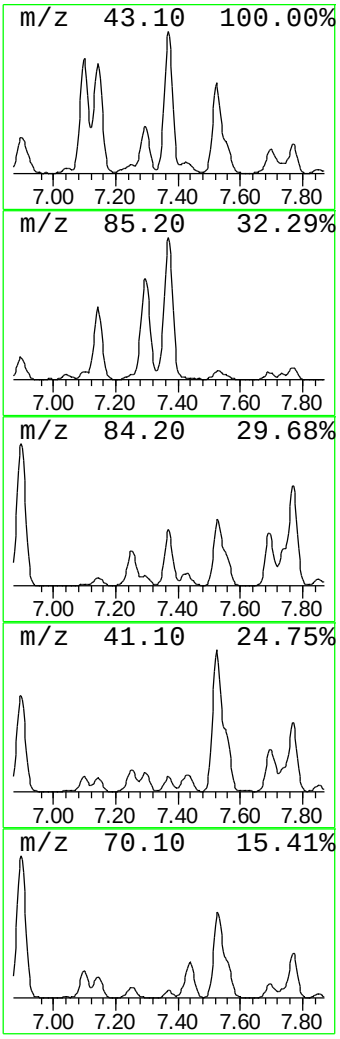
****

Peak Number 13 (DEL) Alkane: Cyclic7.37 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	17.20 ug/L	410636	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	94
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	91
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	86
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	78
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

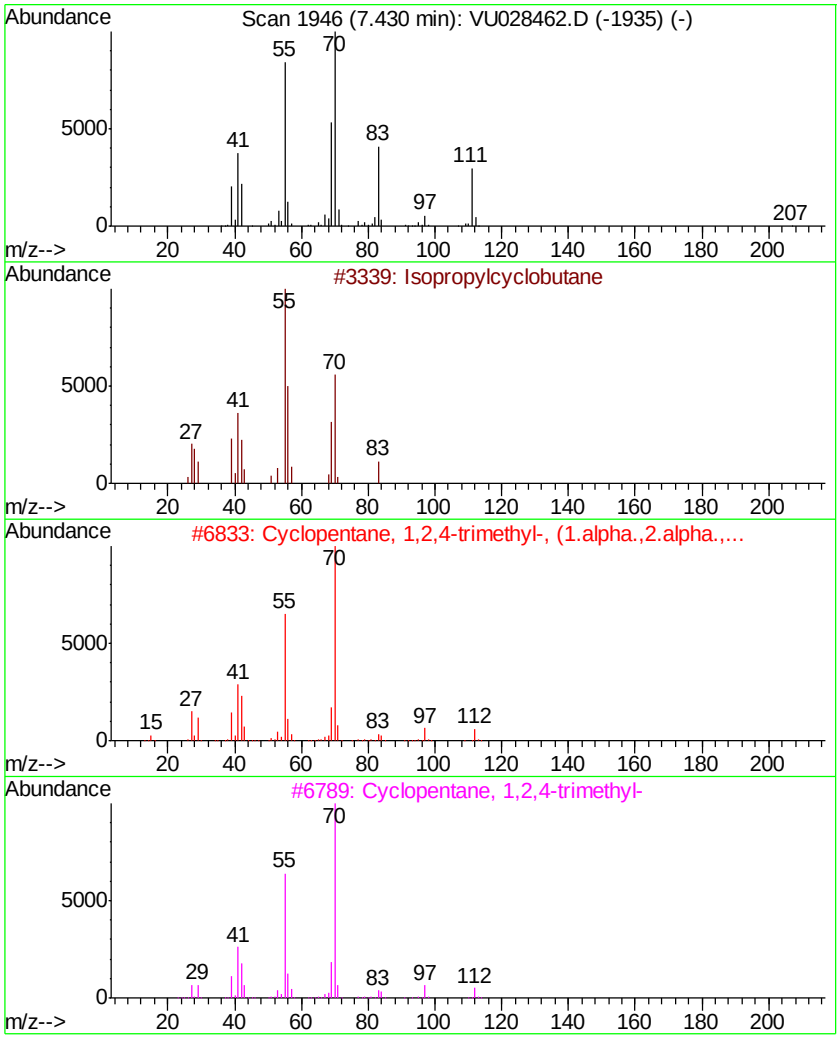
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

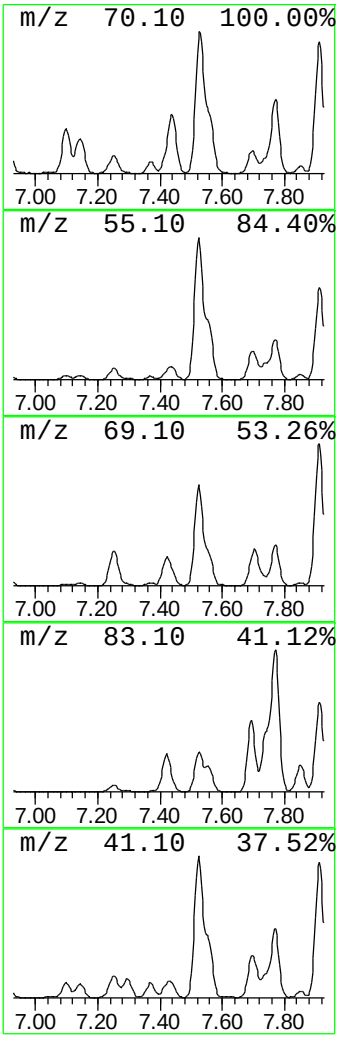
****

Peak Number 14 (DEL) Alkane: Cyclic7.43 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	27.71 ug/L	661622	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	59
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	52
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	52
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

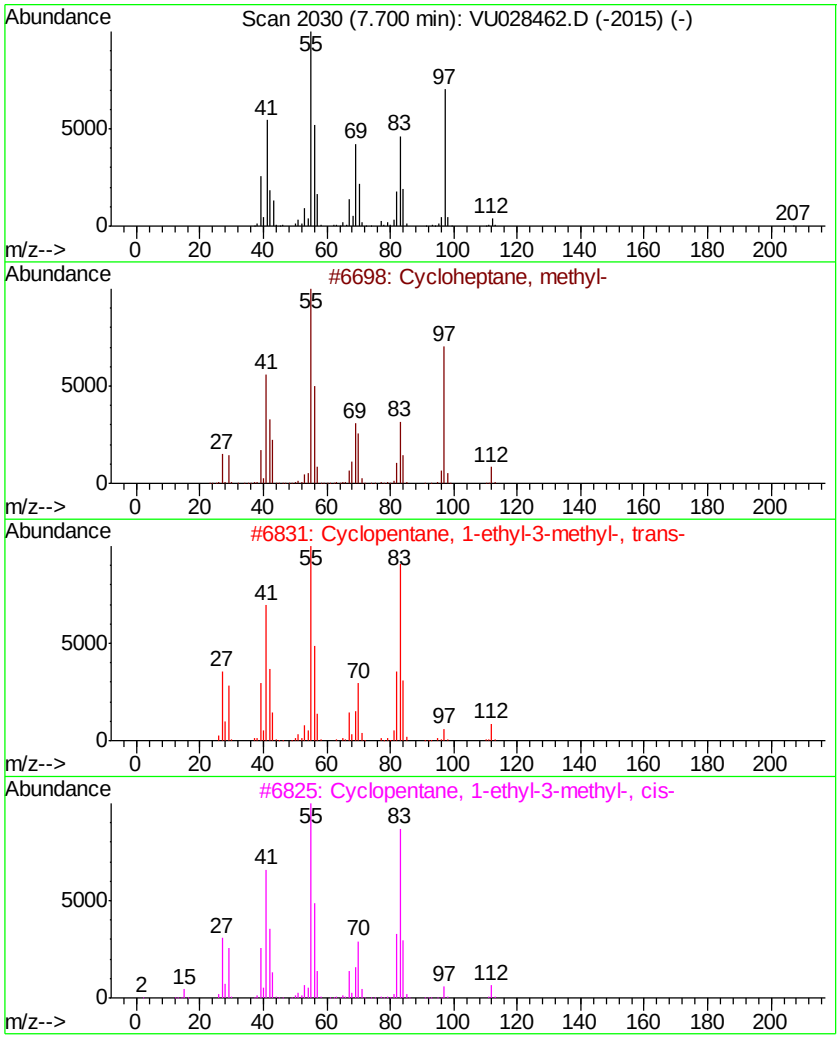
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

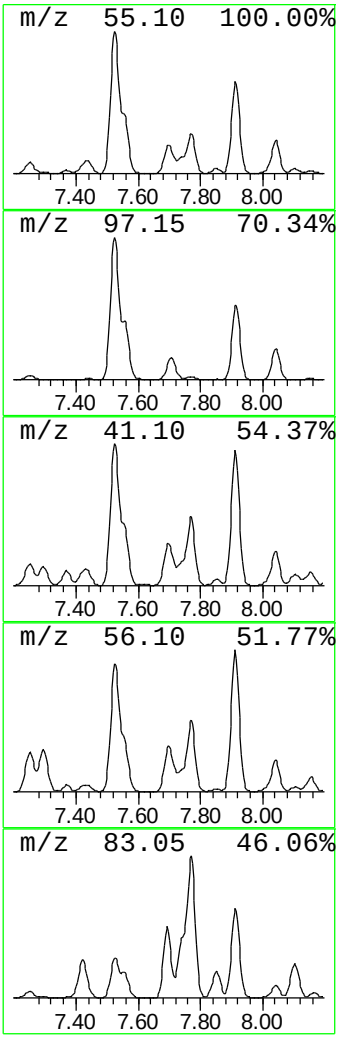
****

Peak Number 15 (DEL) Alkane: Cyclic7.70 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	43.37 ug/L	1225640	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	64
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	64
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	58
4	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	49
5	Cyclobutane, 1,2-diethyl-	112	C8H16	061141-83-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

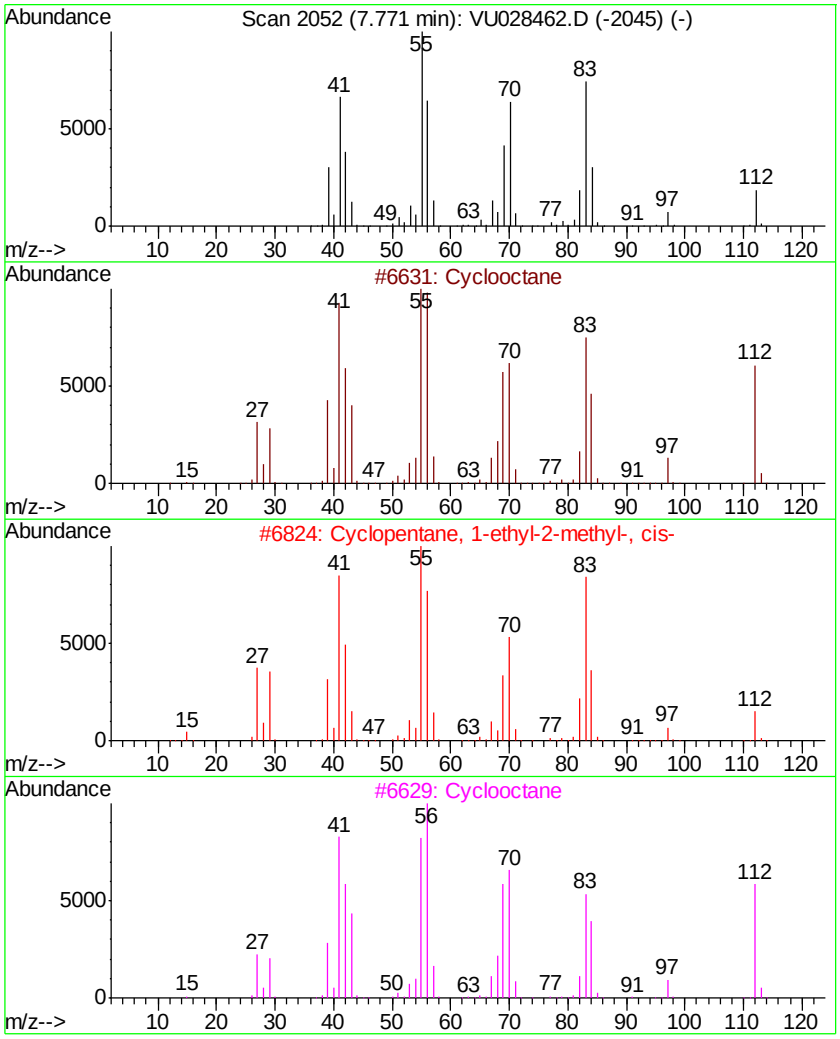
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

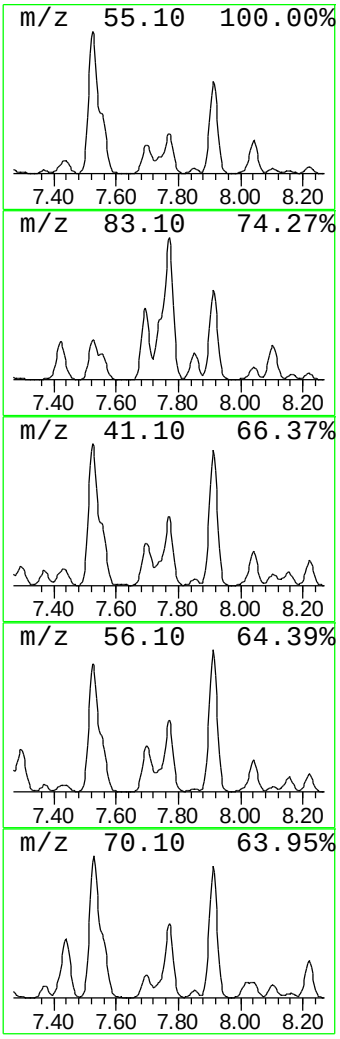
****

Peak Number 16 (DEL) Alkane: Cyclic7.77 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	56.28 ug/L	1590240	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	91
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	90
3	Cyclooctane	112	C8H16	000292-64-8	70
4	Cyclooctane	112	C8H16	000292-64-8	70
5	Cyclooctane	112	C8H16	000292-64-8	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

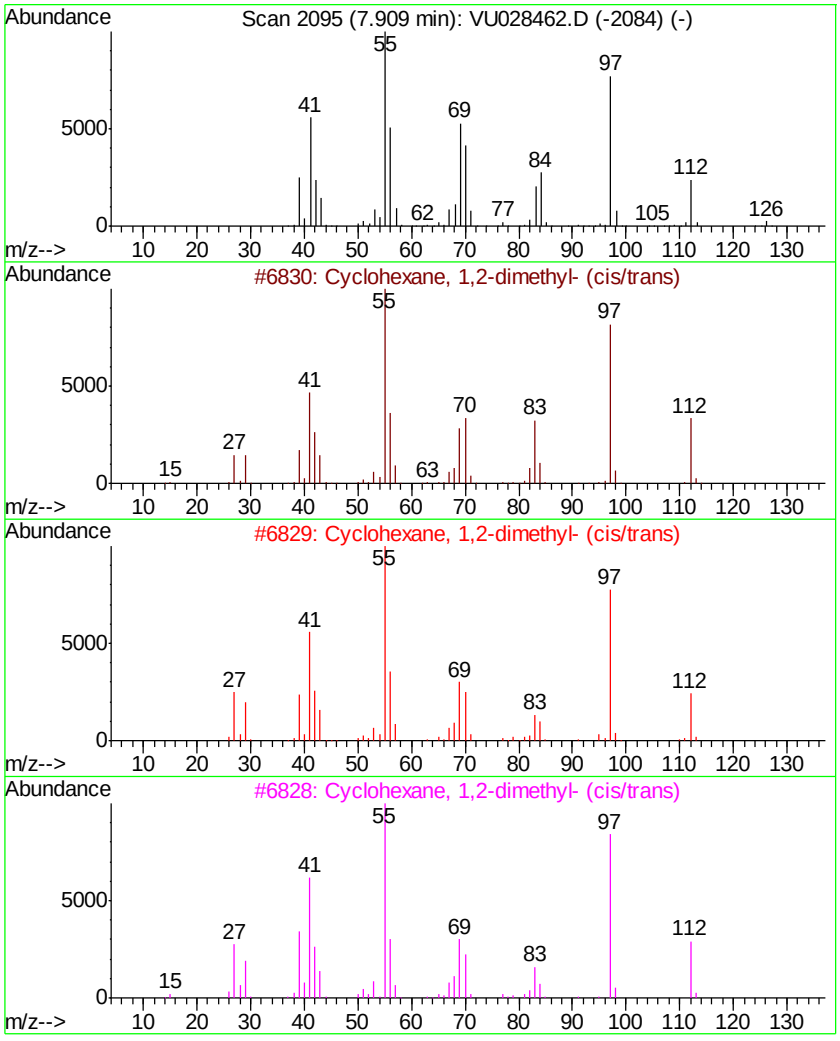
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

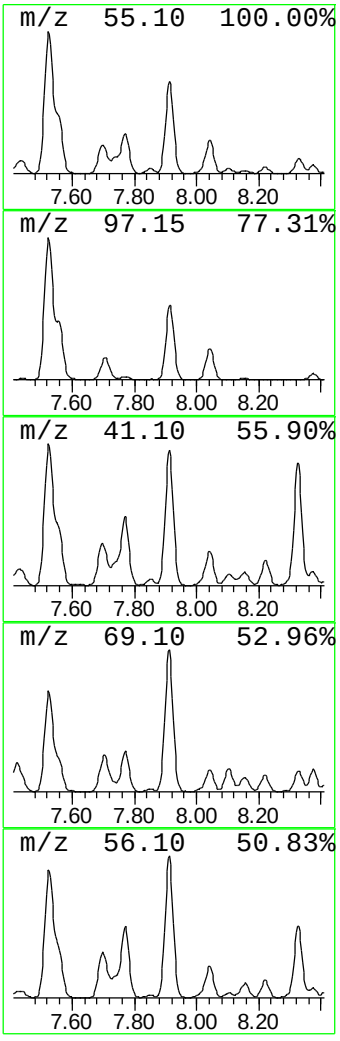
****

Peak Number 17 (DEL) Alkane: Cyclic7.91 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	132.14 ug/L	3733900	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	76
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

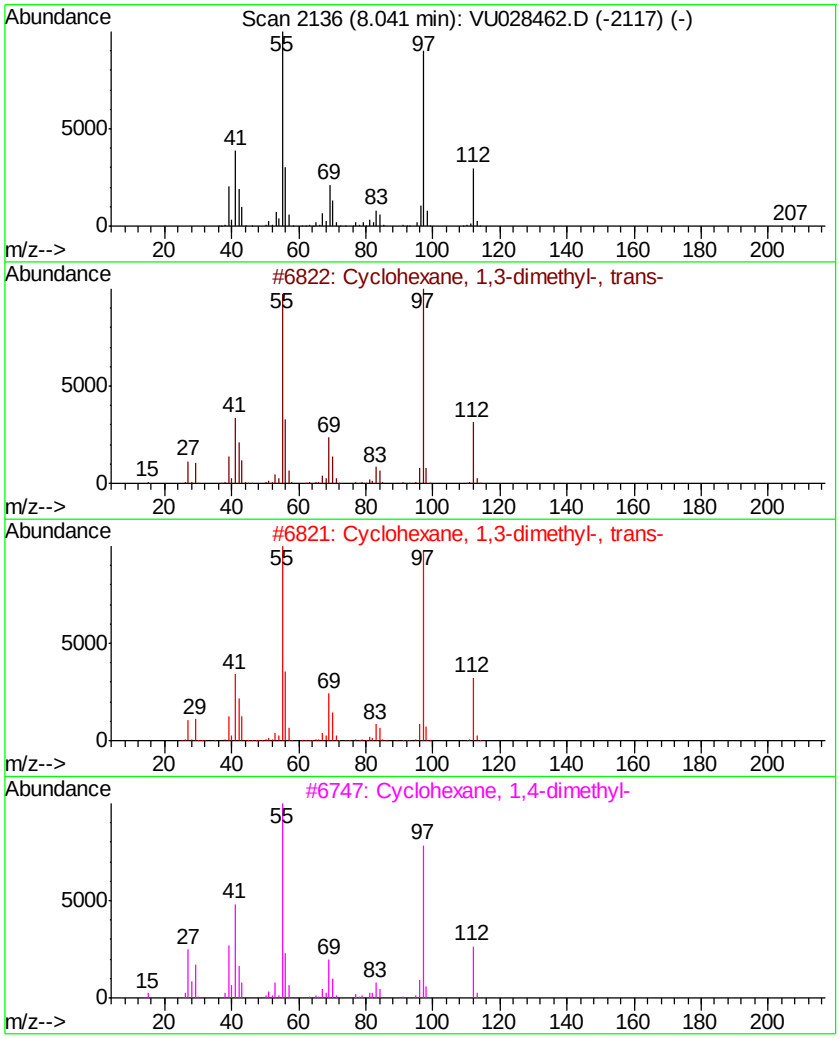
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

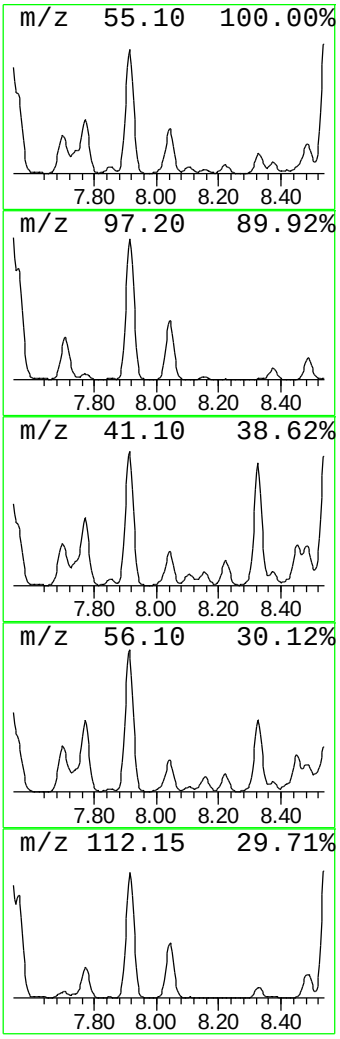
****

Peak Number 18 (DEL) Alkane: Cyclic8.04 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	38.22 ug/L	1079840	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	97
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

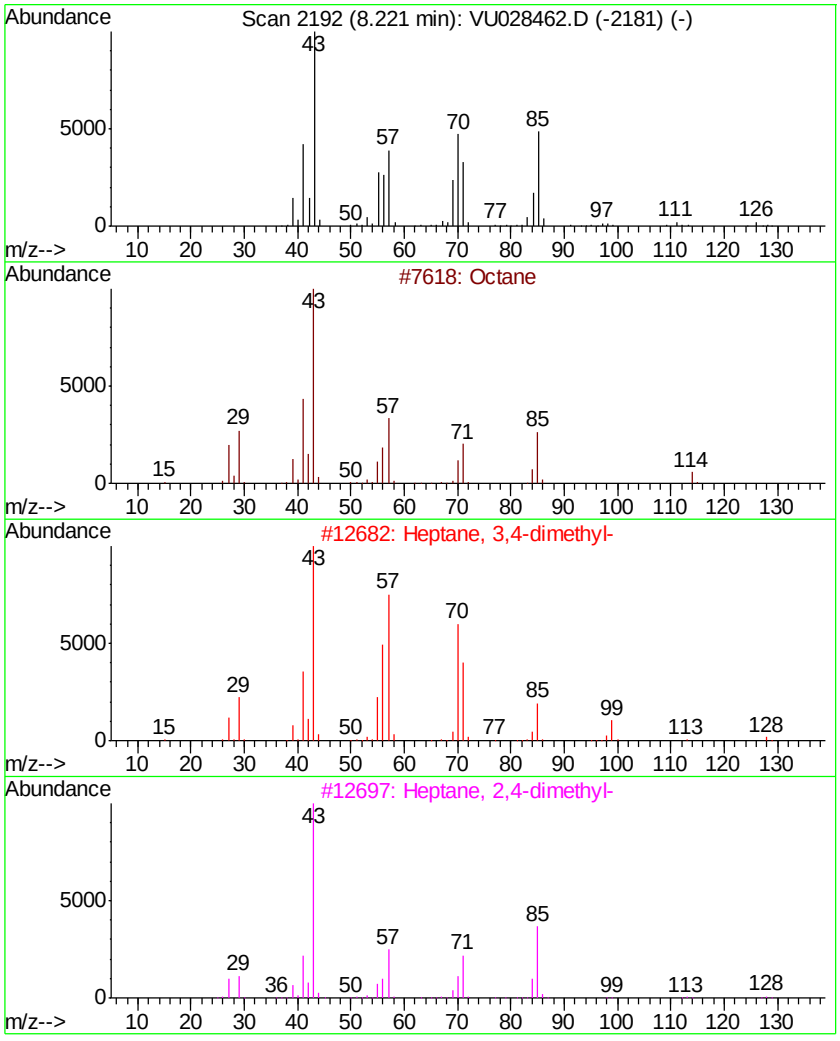
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

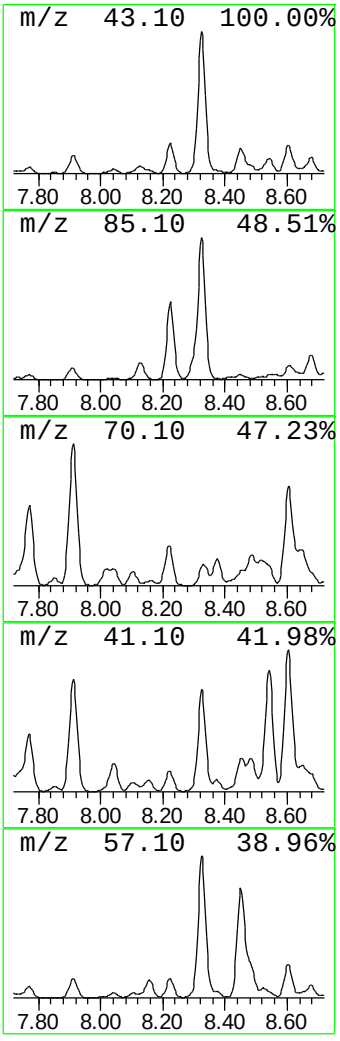
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	23.11 ug/L	653017	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	64
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Octane	114	C8H18	000111-65-9	53
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

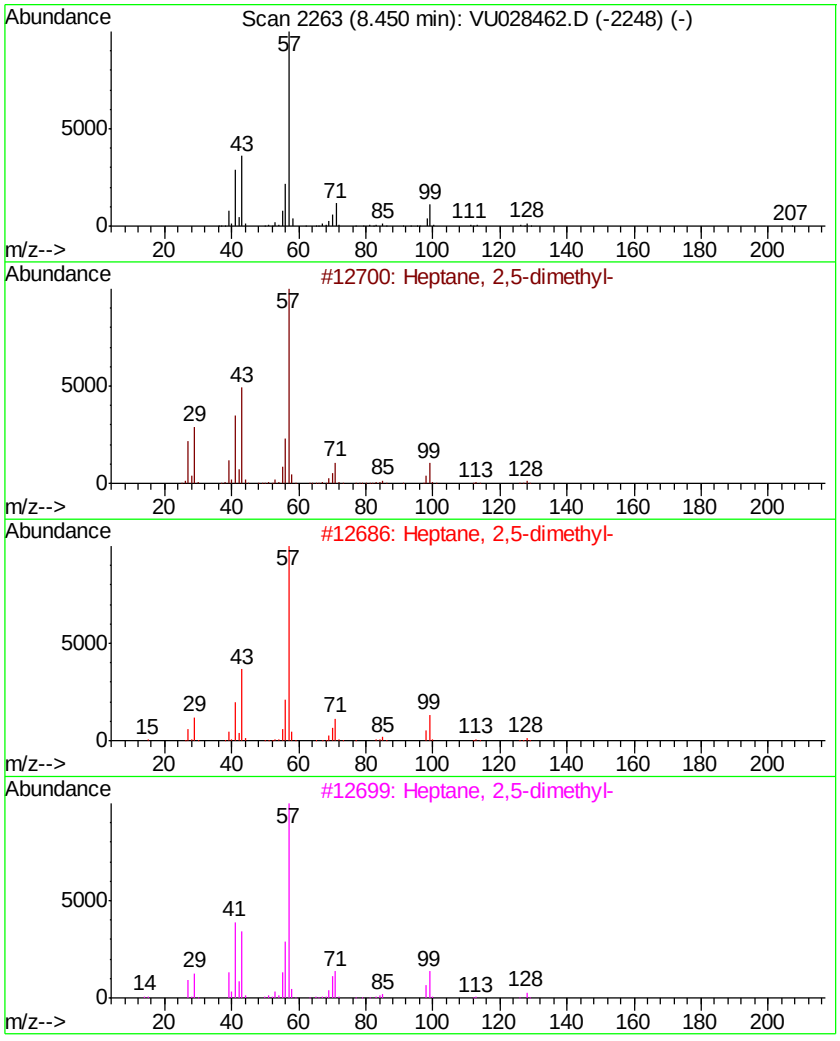
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

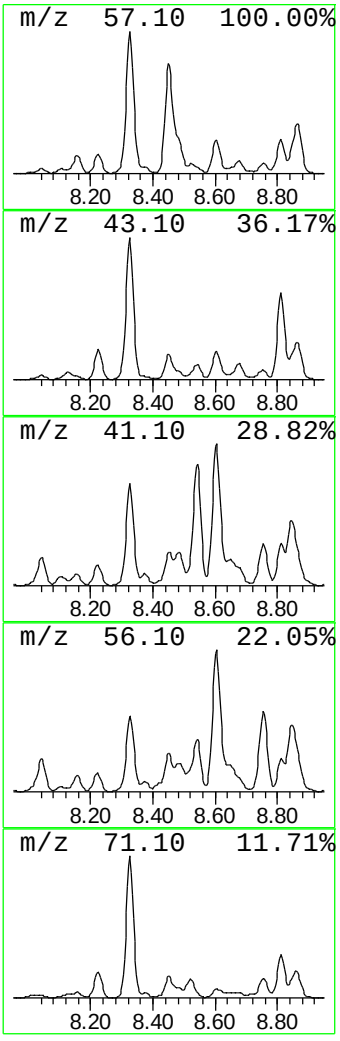
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	29.11 ug/L	822508	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5	Octane, 3-methyl-	128	C9H20	002216-33-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

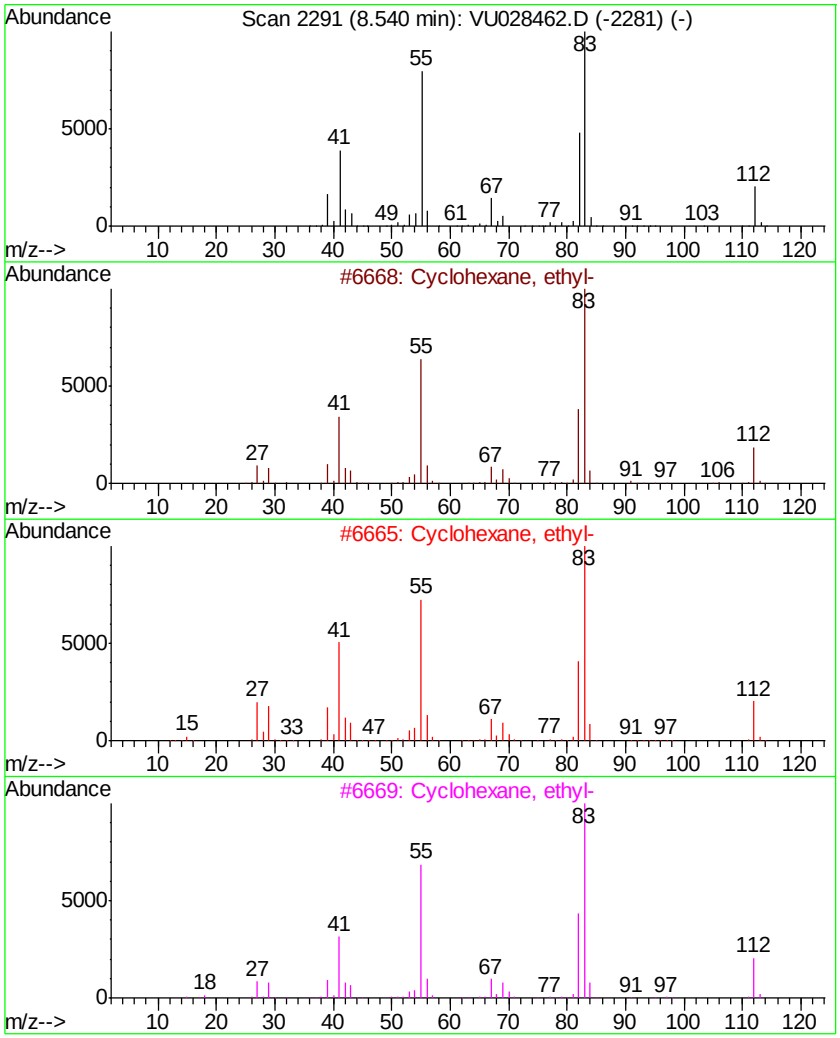
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

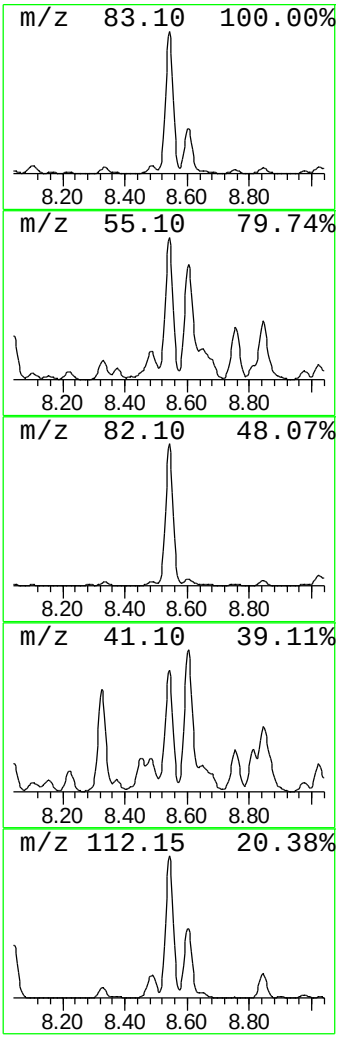
****

Peak Number 21 (DEL) Alkane: Cyclic8.54 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	106.17 ug/L	2999960	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

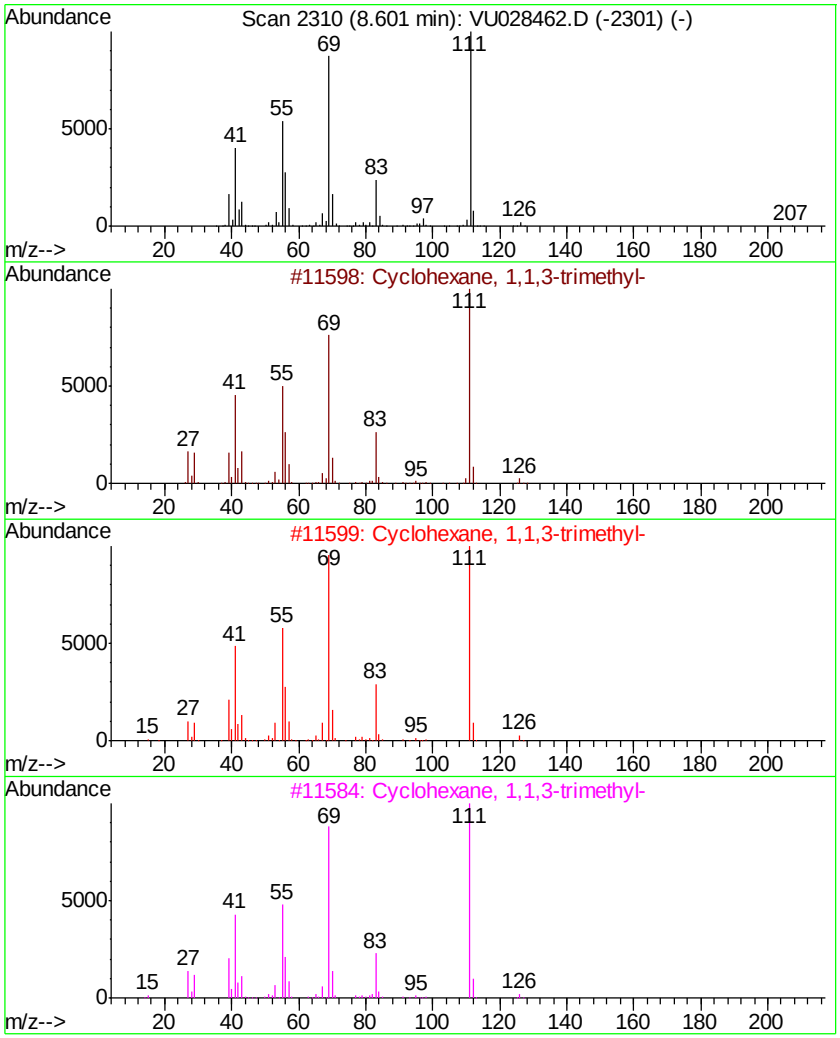
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

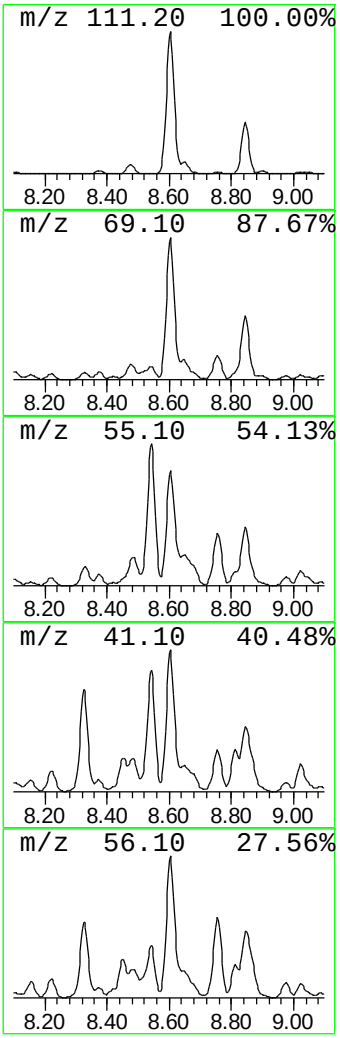
****

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	160.23 ug/L	4527490	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

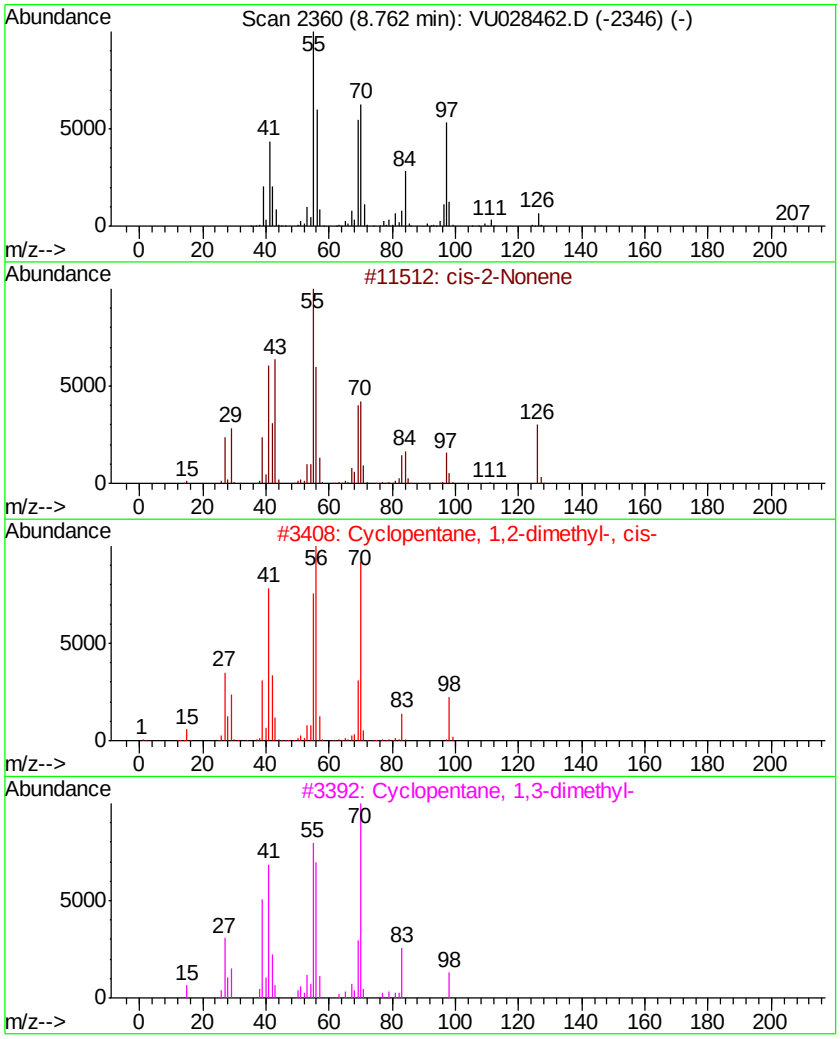
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

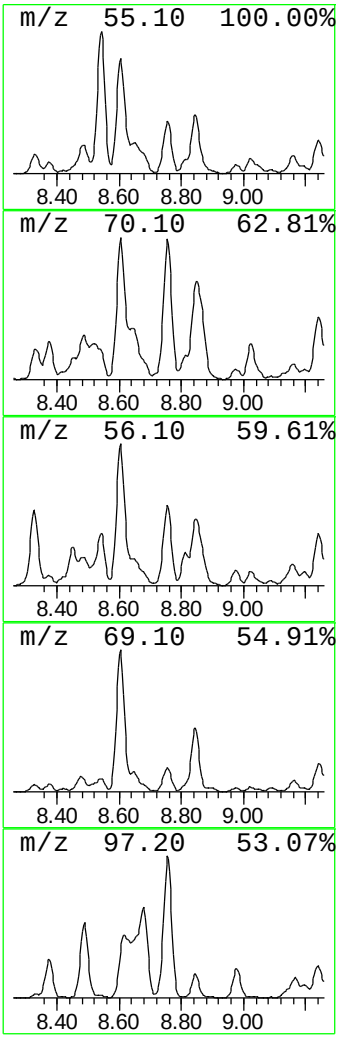
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	53.19 ug/L	1503110	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2-Nonene	126	C9H18	006434-77-1	72
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

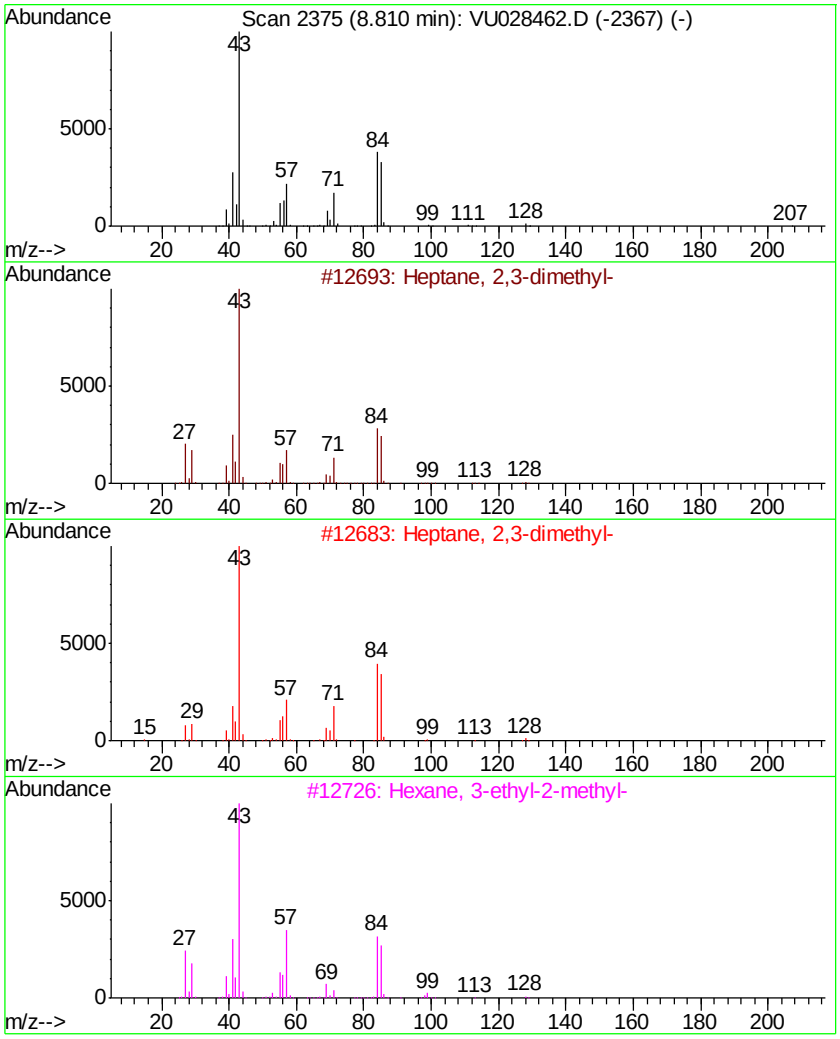
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

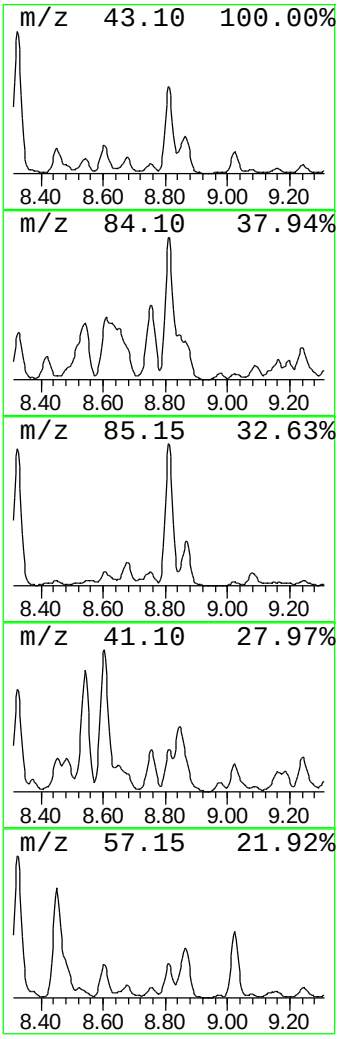
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	34.04 ug/L	961939	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	94
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	90
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	83
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

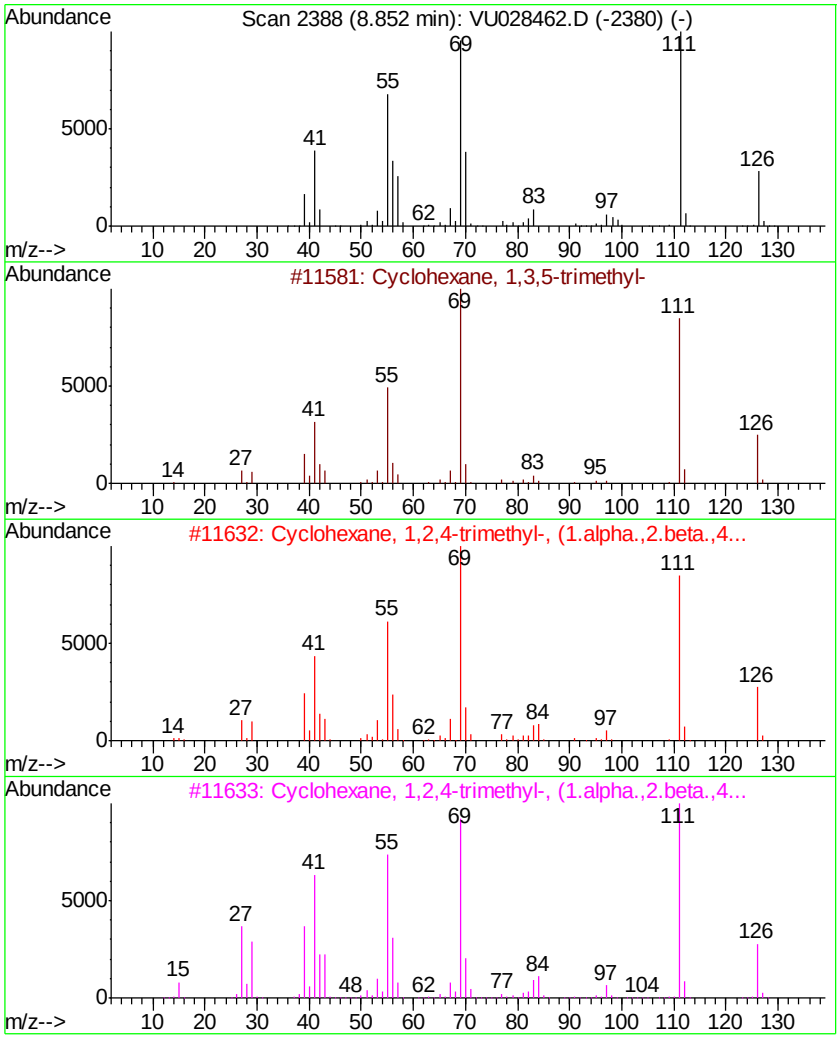
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

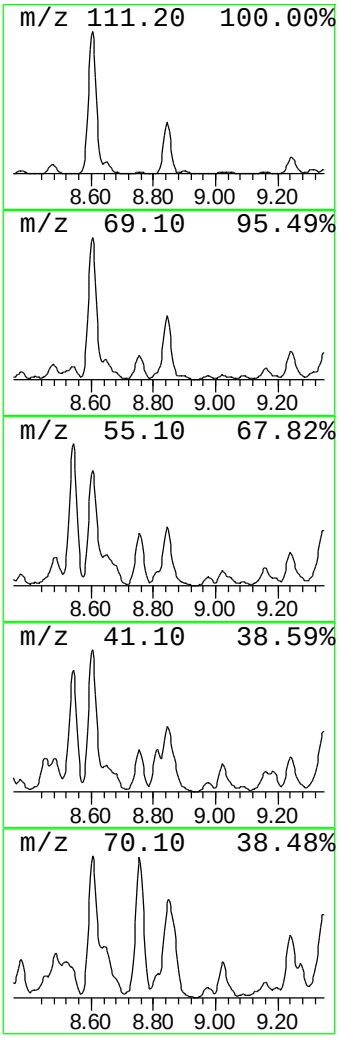
****

Peak Number 25 (DEL) Alkane: Cyclic8.85 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	102.63 ug/L	2899970	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	83
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

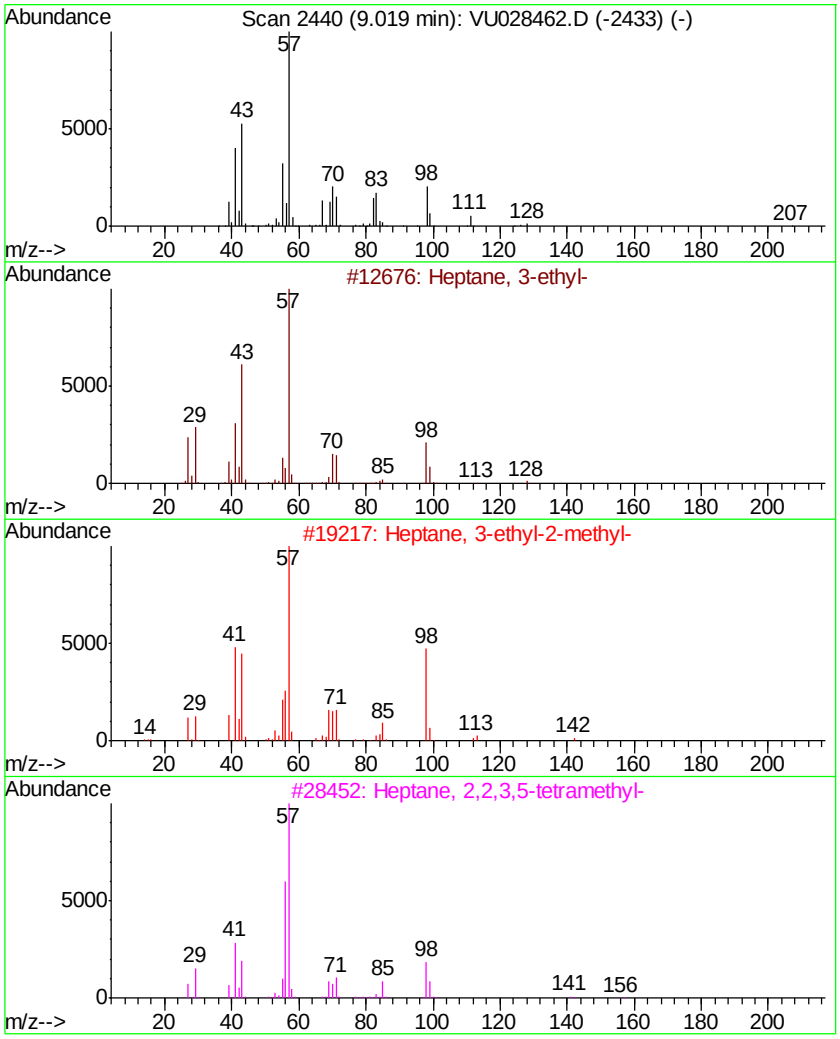
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

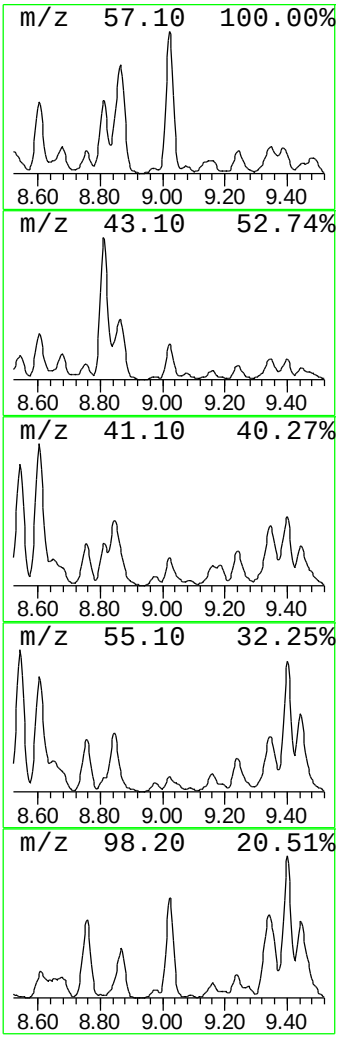
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	25.51 ug/L	720732	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	49
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	47
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

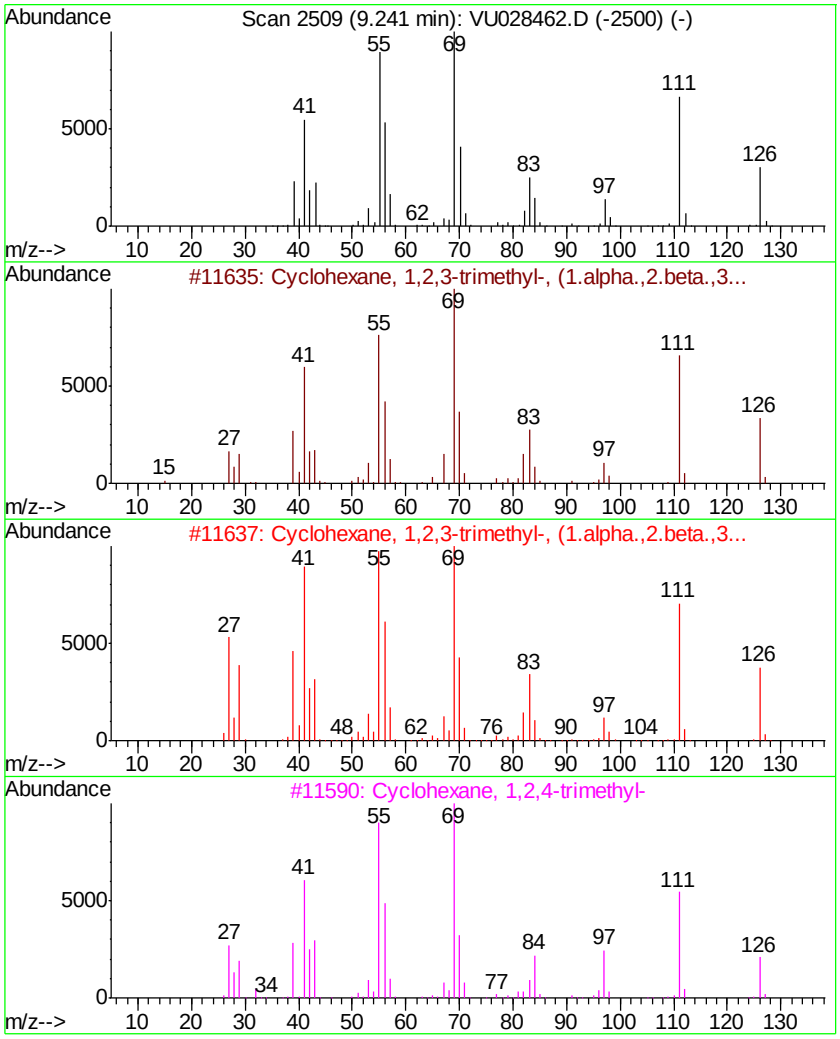
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

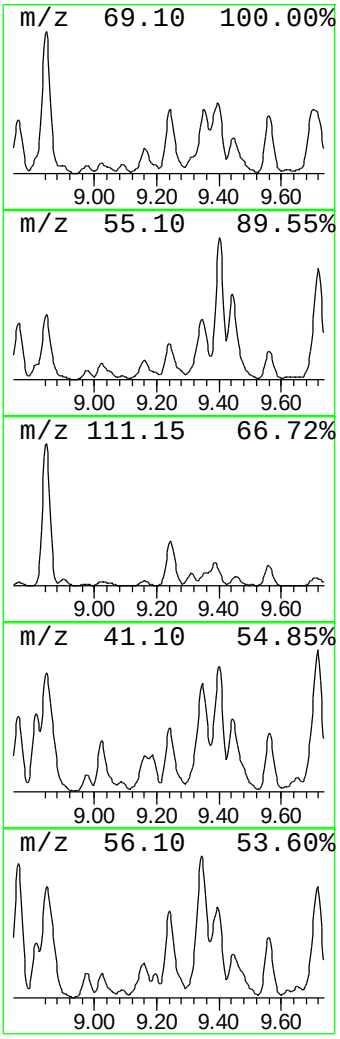
****

Peak Number 27 (DEL) Alkane: Cyclic9.24 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	40.92 ug/L	1156280	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	89
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

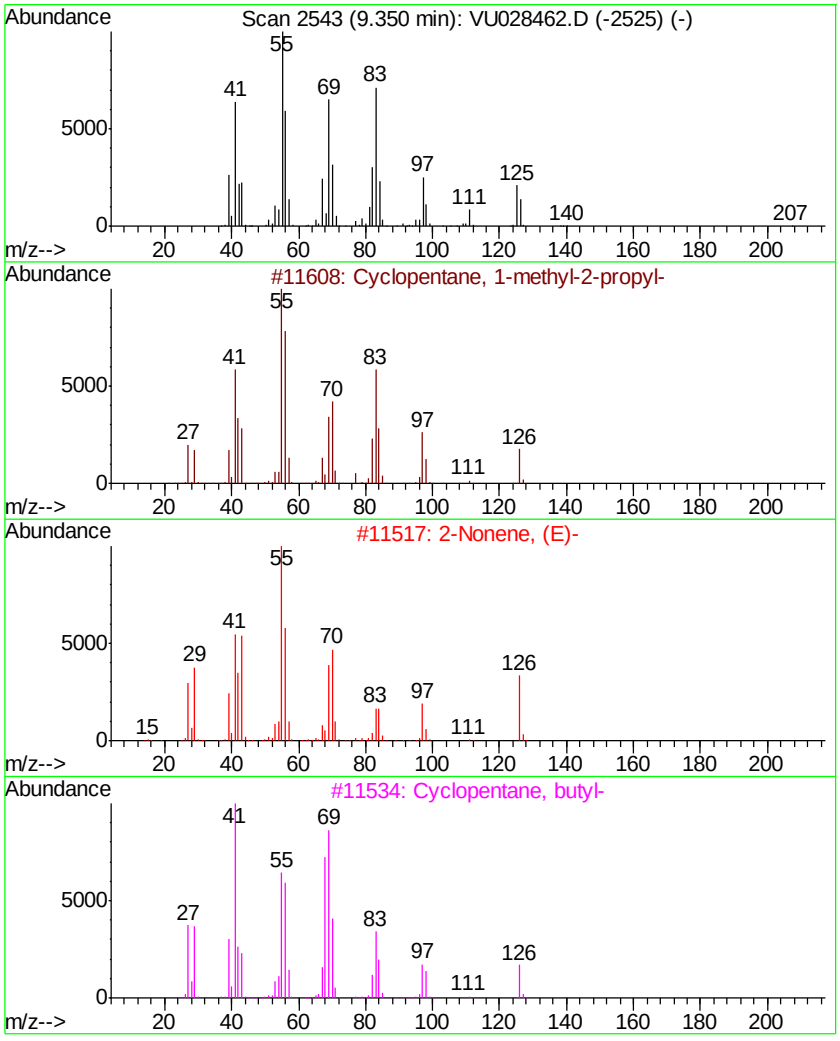
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

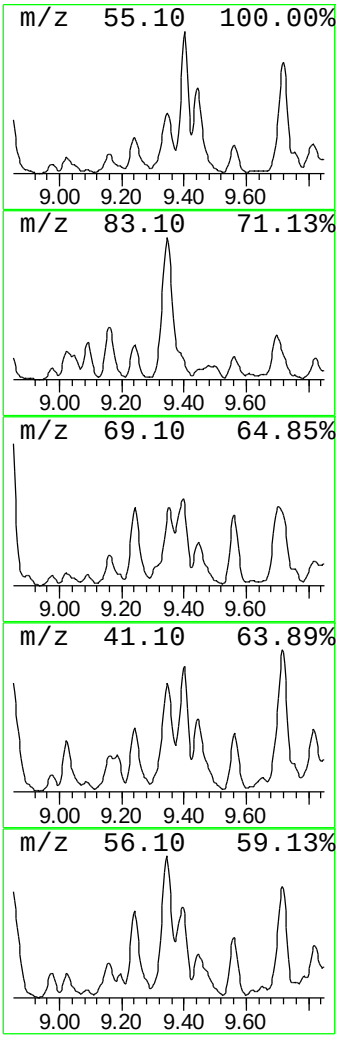
****

Peak Number 28 (DEL) Alkane: Cyclic9.35 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	81.49 ug/L	2302510	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	90
2	2-Nonene, (E)-	126	C9H18	006434-78-2	50
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

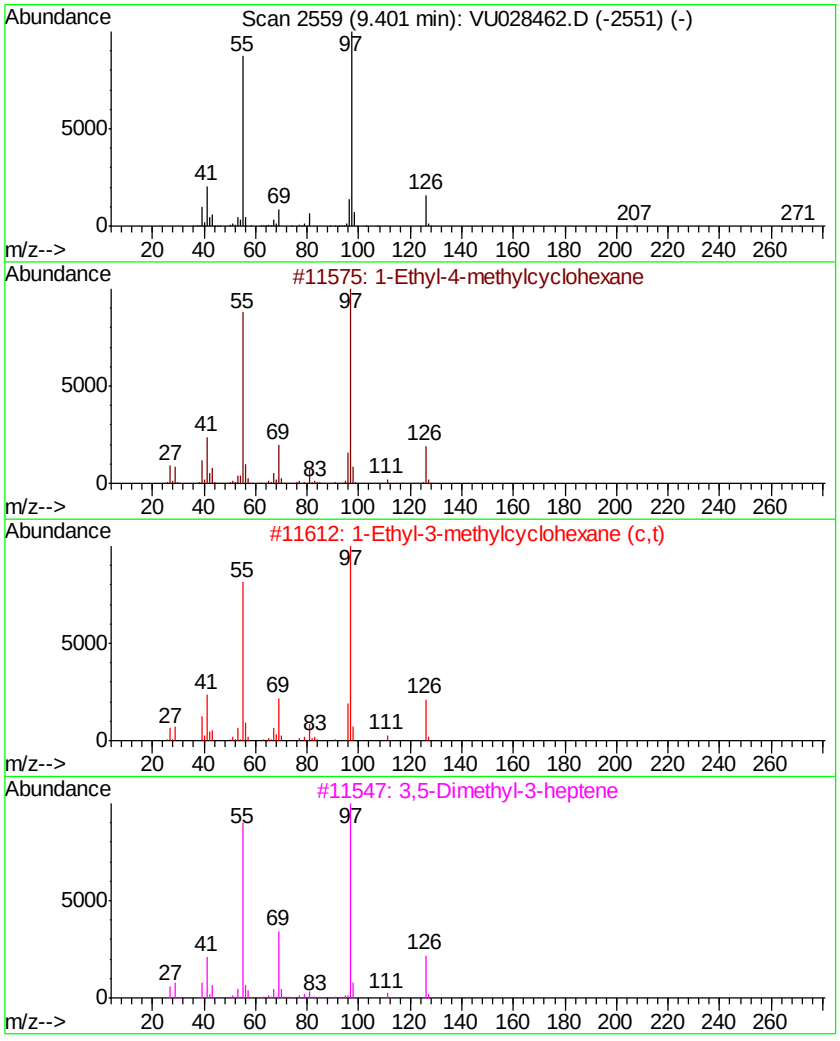
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

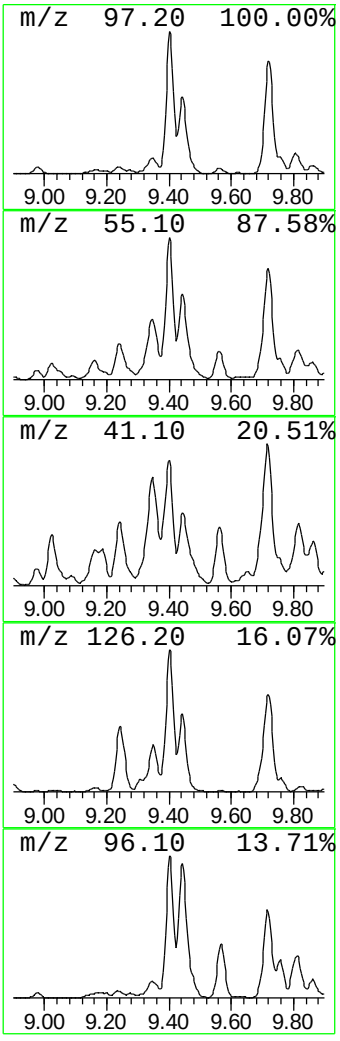
****

Peak Number 29 (DEL) Alkane: Cyclic9.40 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	80.93 ug/L	2286720	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	72
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

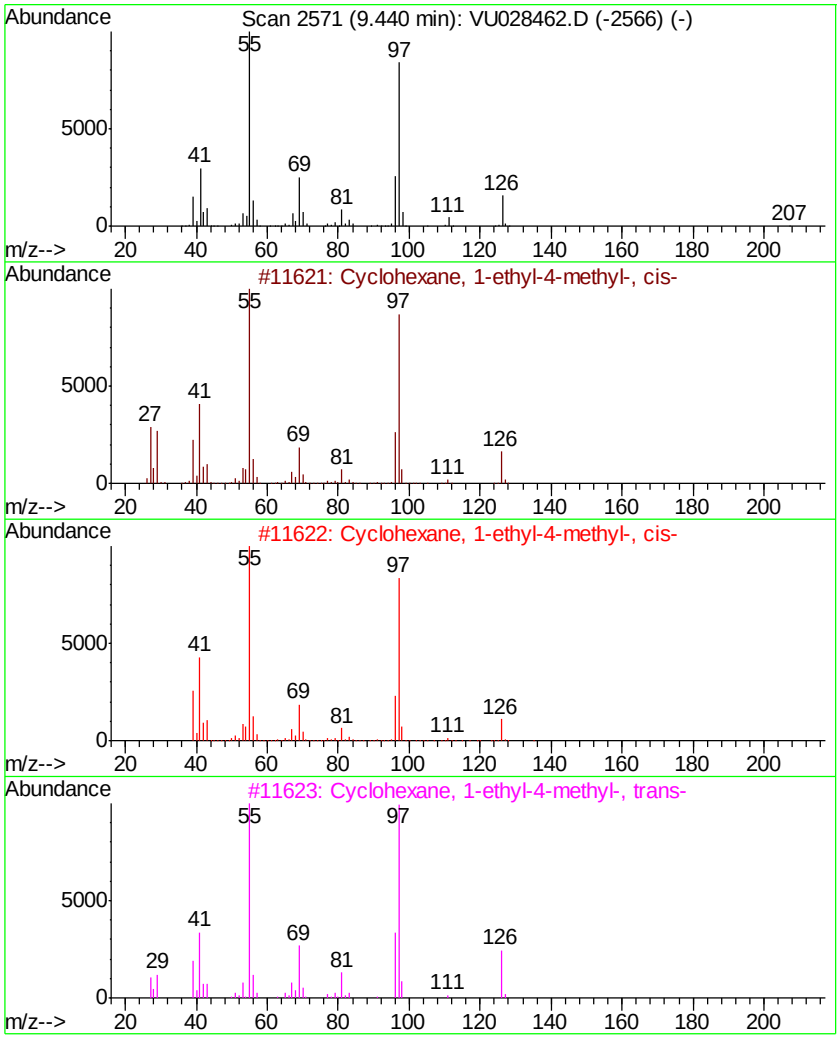
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

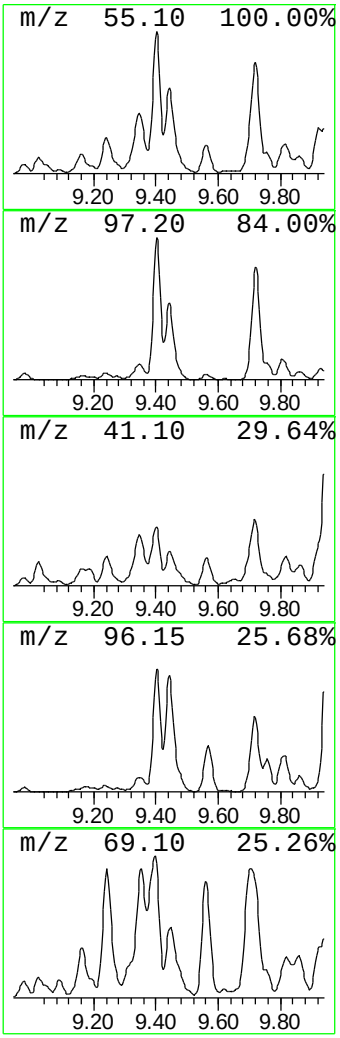
****

Peak Number 30 (DEL) Alkane: Cyclic9.44 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	69.80 ug/L	1972230	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	86
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

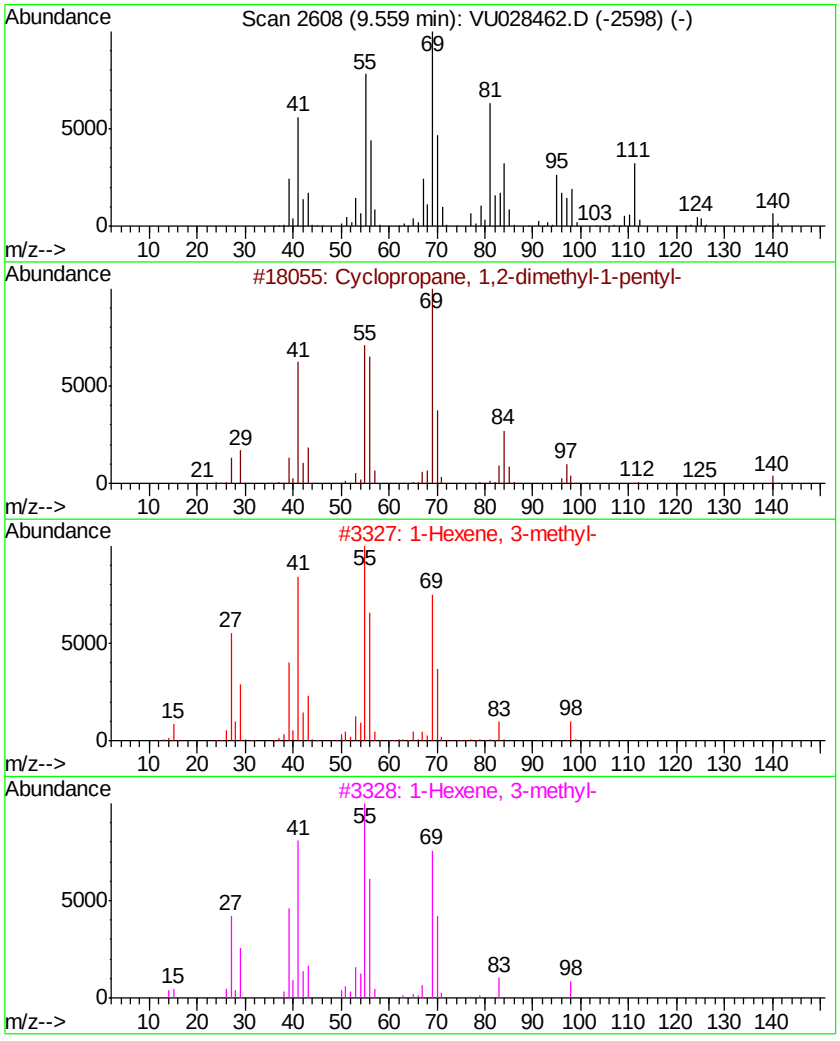
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

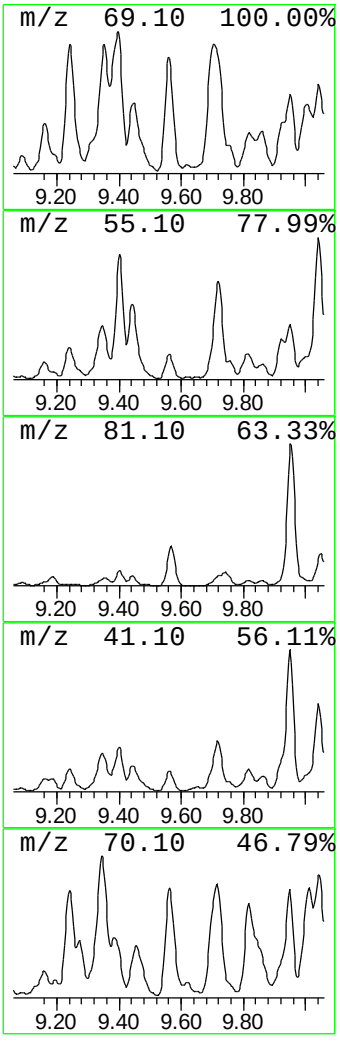
****

Peak Number 31 (DEL) Alkane: Cyclic9.56 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	47.31 ug/L	1336720	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

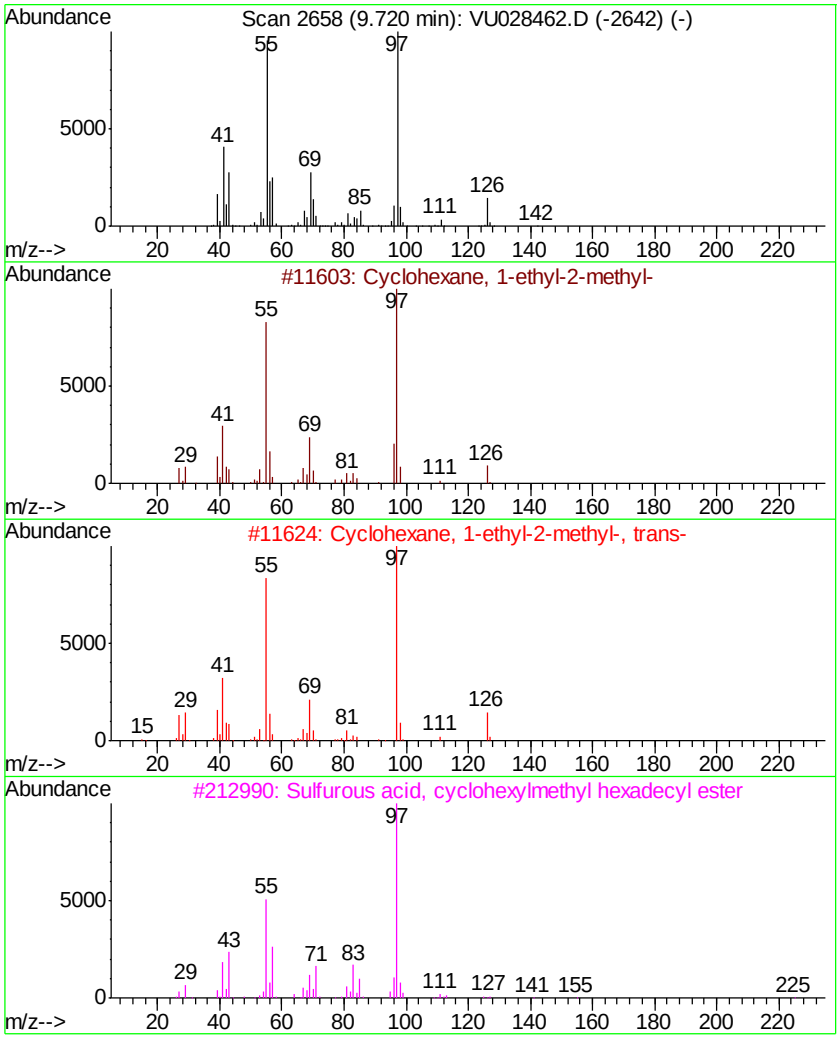
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

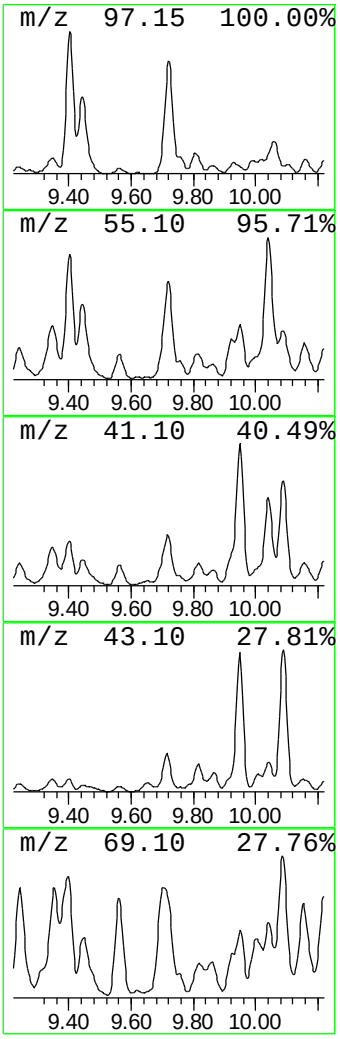
****

Peak Number 32 (DEL) Alkane: Cyclic9.72 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	120.47 ug/L	3404070	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	80
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

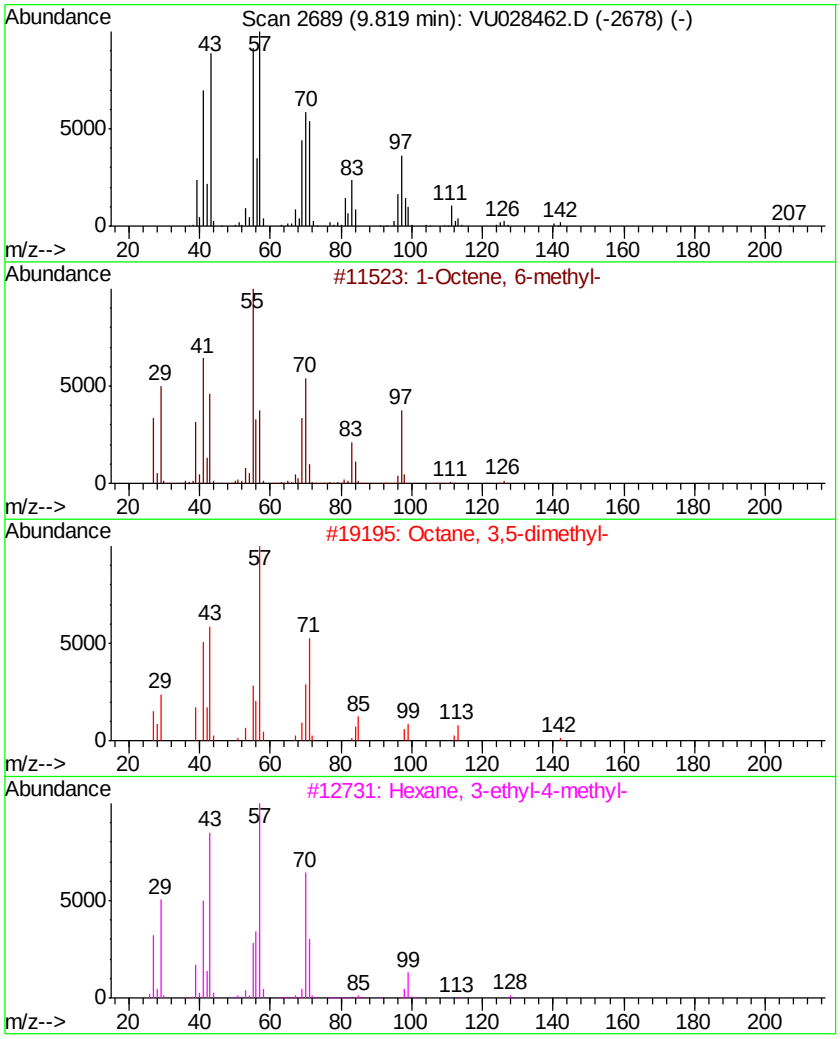
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

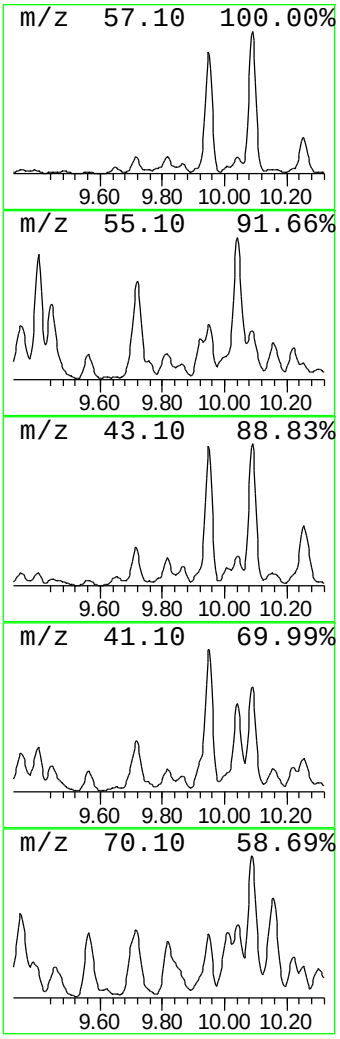
****

Peak Number 33 (DEL) Alkane: Cyclic9.82 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	31.87 ug/L	900468	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene, 6-methyl-	126	C9H18	013151-10-5	49
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
3	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	38
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	35
5	Oxalic acid, cyclobutyl octyl ester	256	C14H24O4	1000309-69-9	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

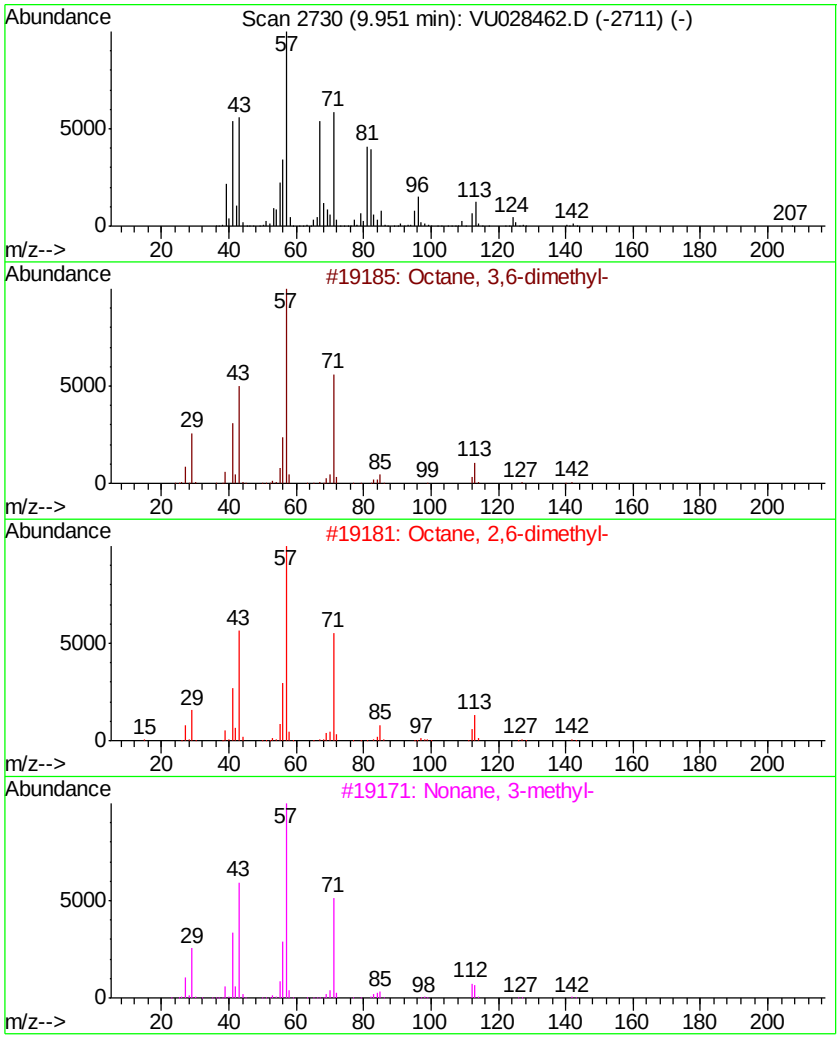
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

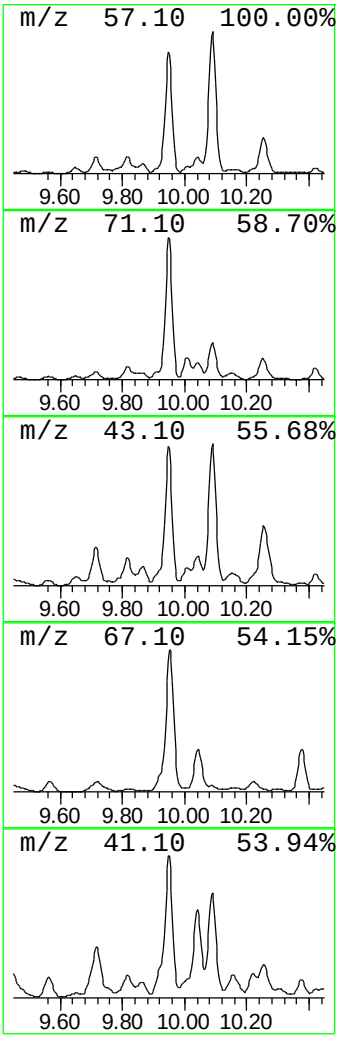
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	275.14 ug/L	7774530	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

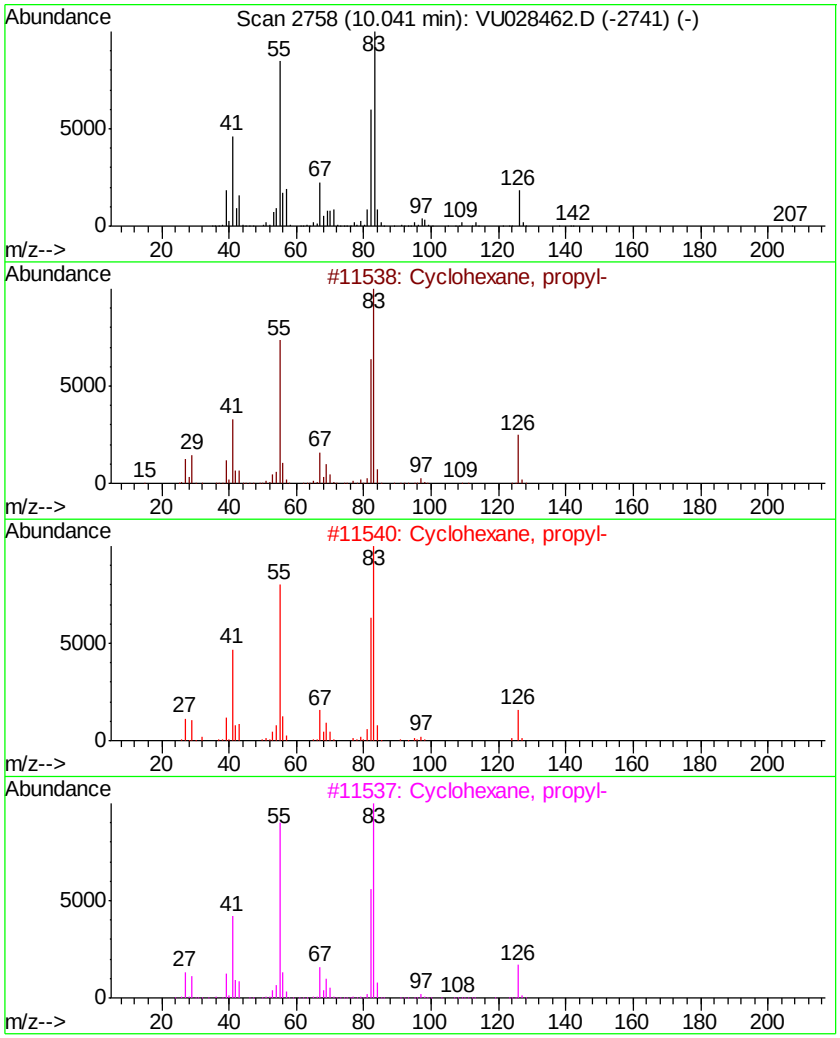
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

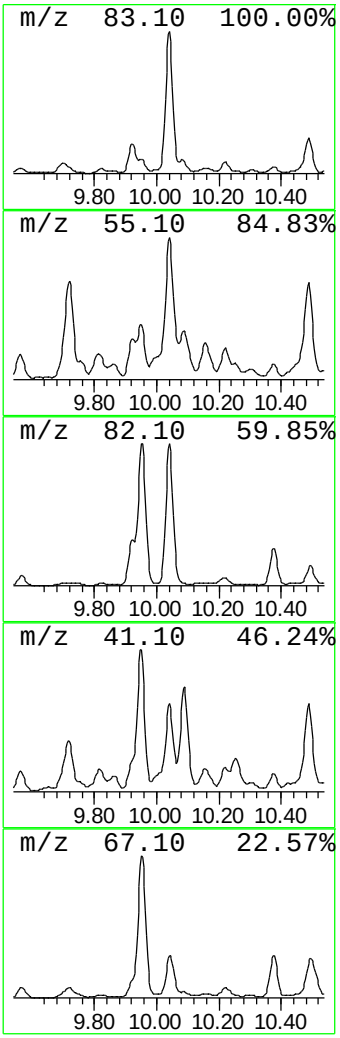
****

Peak Number 35 (DEL) Alkane: Cyclic10.04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	170.74 ug/L	4824600	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

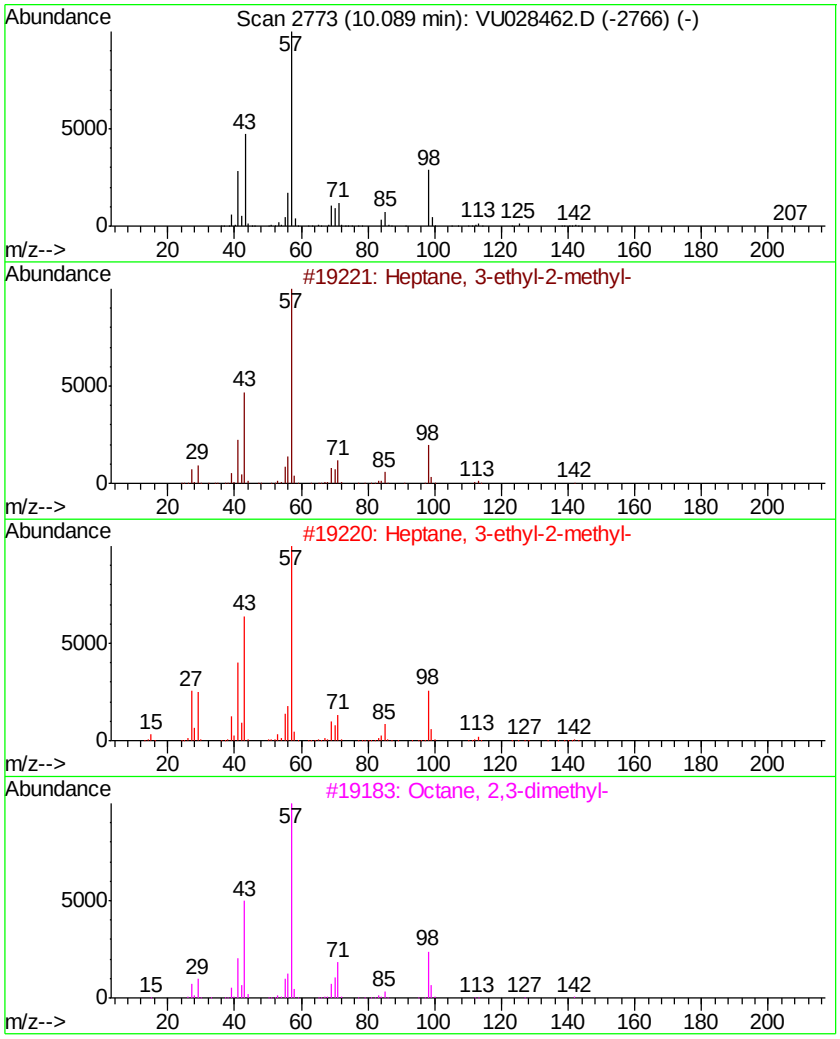
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

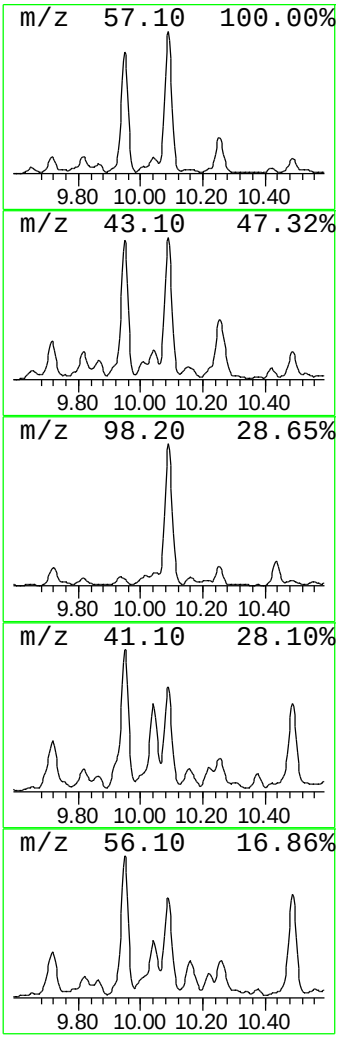
****

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	154.76 ug/L	4373060	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	59
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

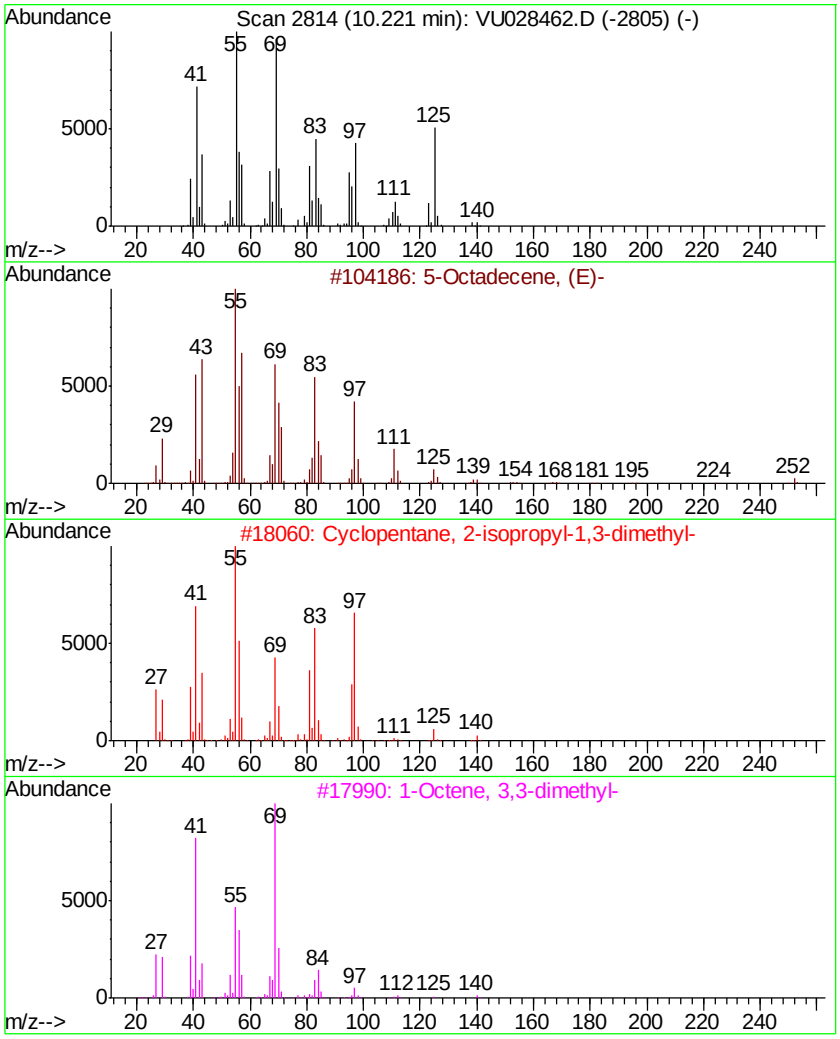
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

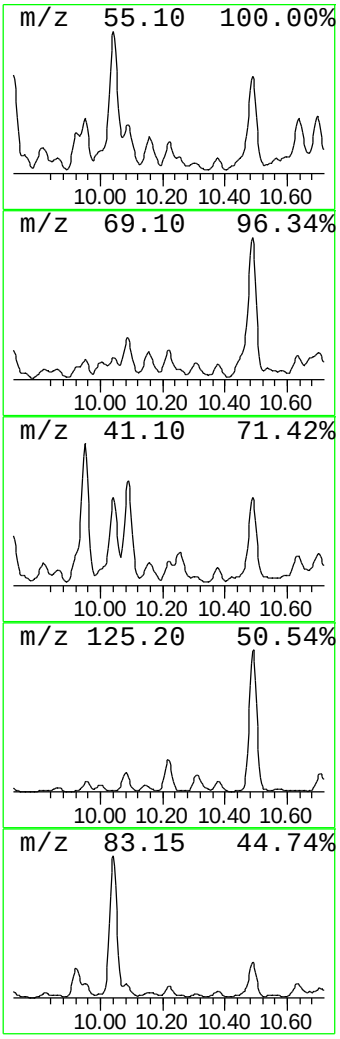
****

Peak Number 37 (DEL) Alkane: Cyclic10.22 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	30.99 ug/L	875607	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octadecene, (E)-	252	C18H36	007206-21-5	43
2	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38
3	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	38
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	35
5	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

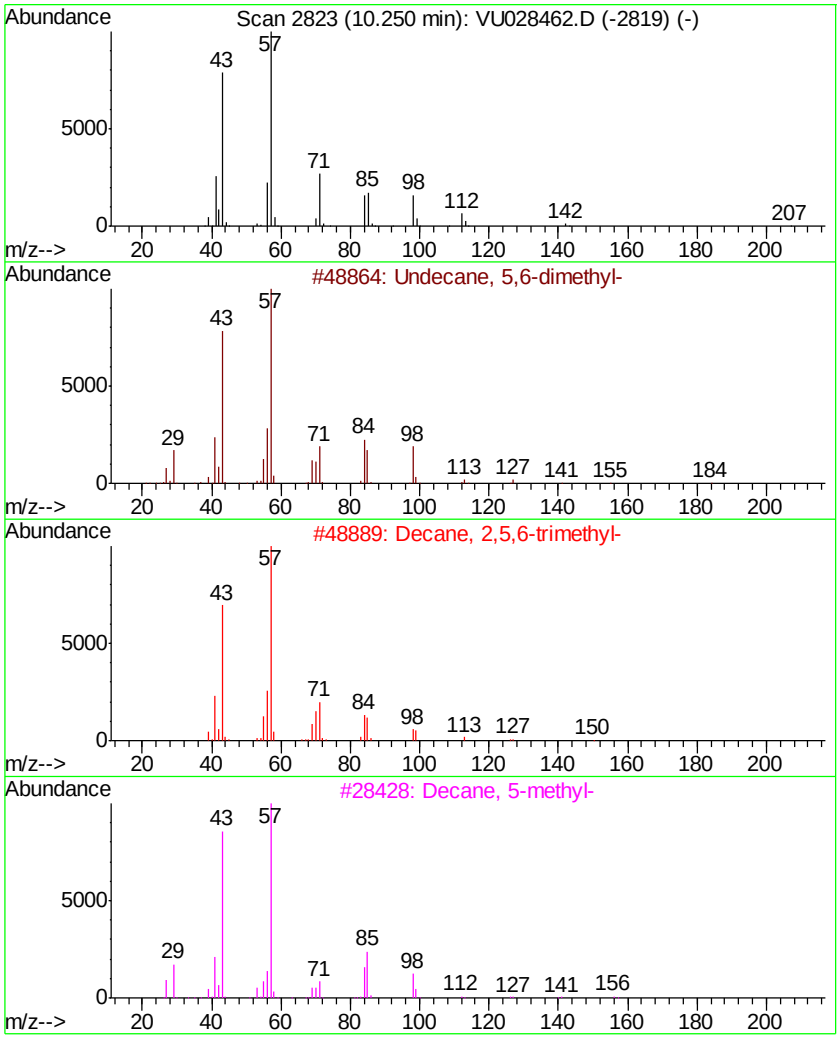
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

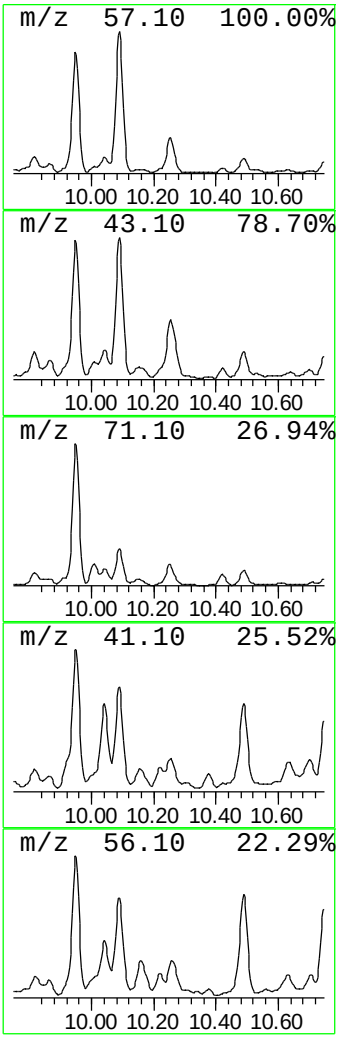
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	39.91 ug/L	1127670	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
3	Decane, 5-methyl-	156	C11H24	013151-35-4	59
4	Nonane	128	C9H20	000111-84-2	53
5	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

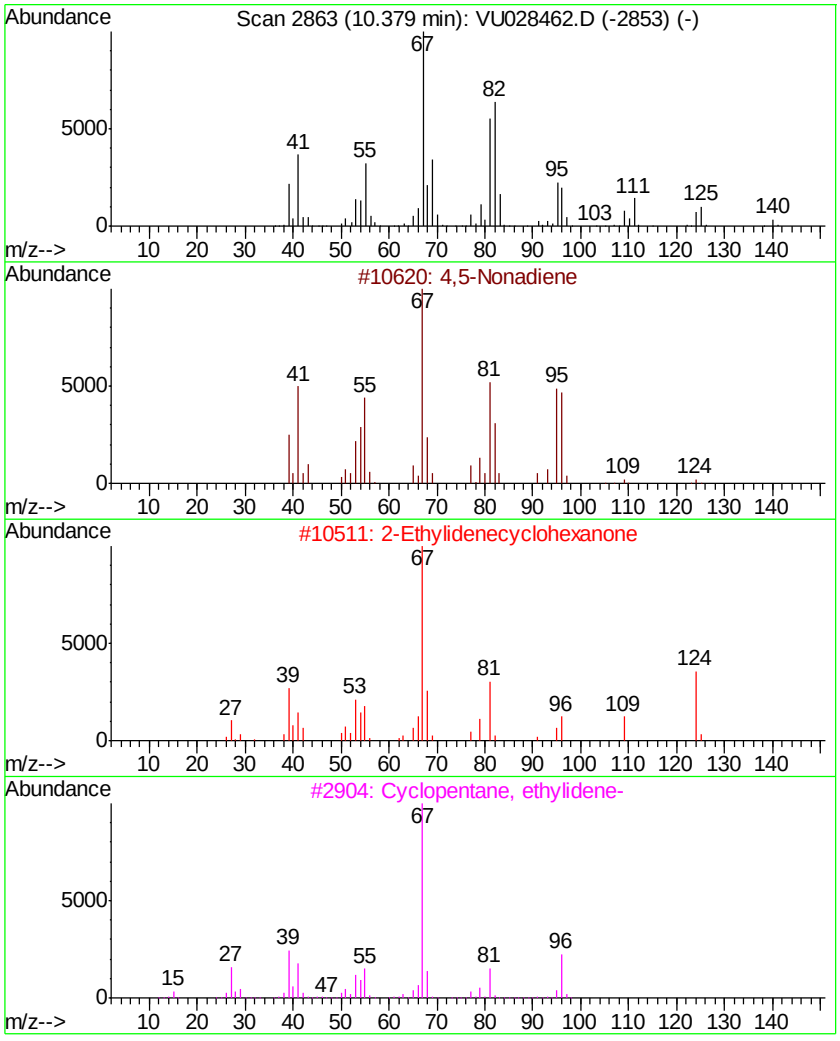
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

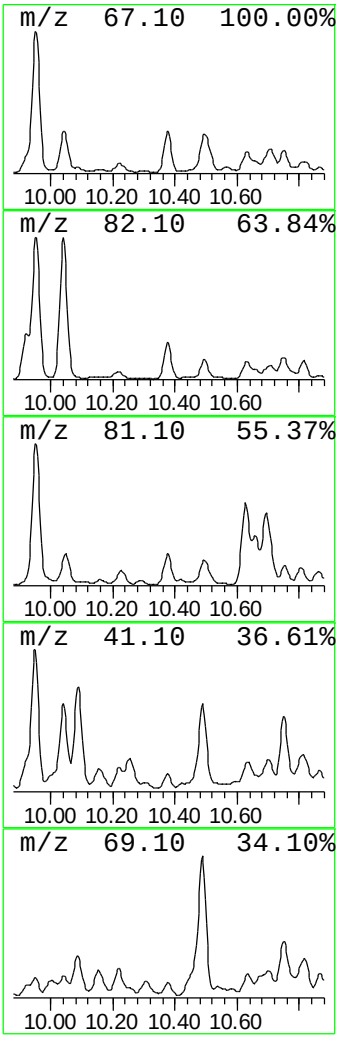
****

Peak Number 39 4,5-Nonadiene Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	28.95 ug/L	920573	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Nonadiene	124	C9H16	000821-74-9	58
2	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	53
3	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	46
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	46
5	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

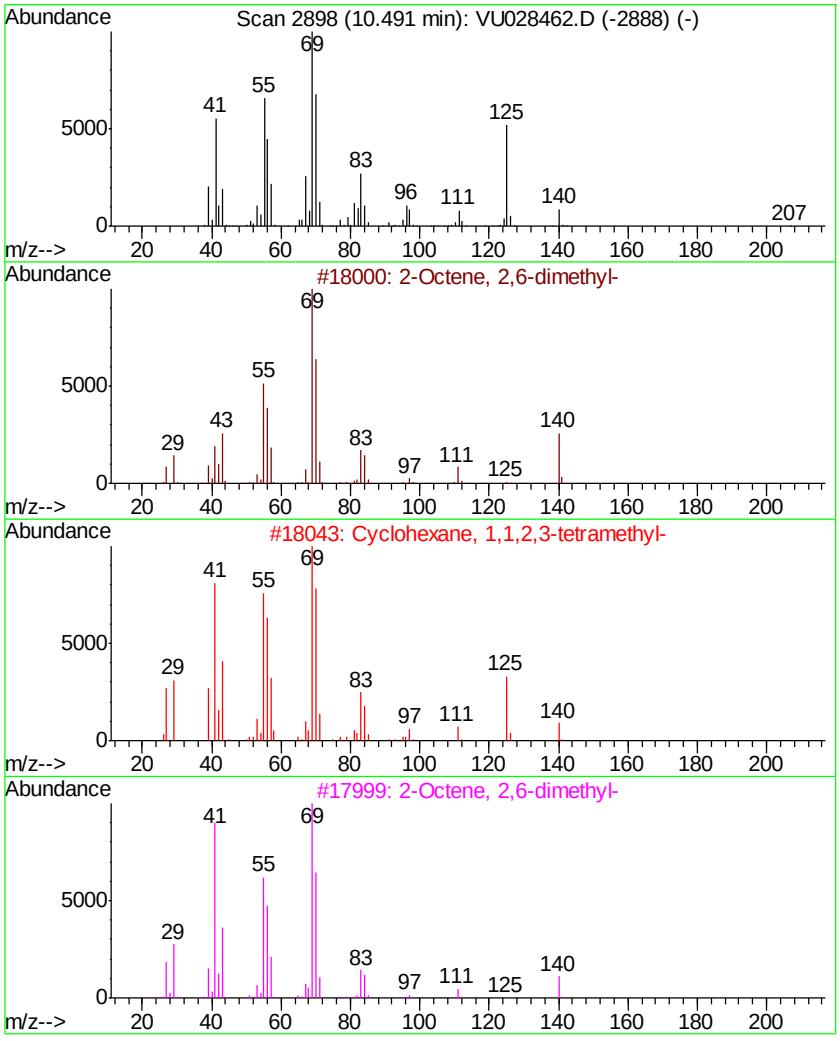
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

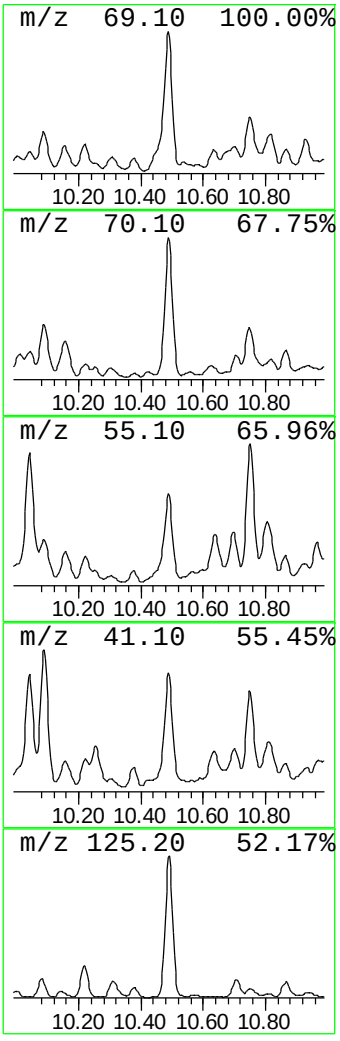
****

Peak Number 40 (DEL) Alkane: Cyclic10.49 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	145.03 ug/L	4611820	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47
5	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

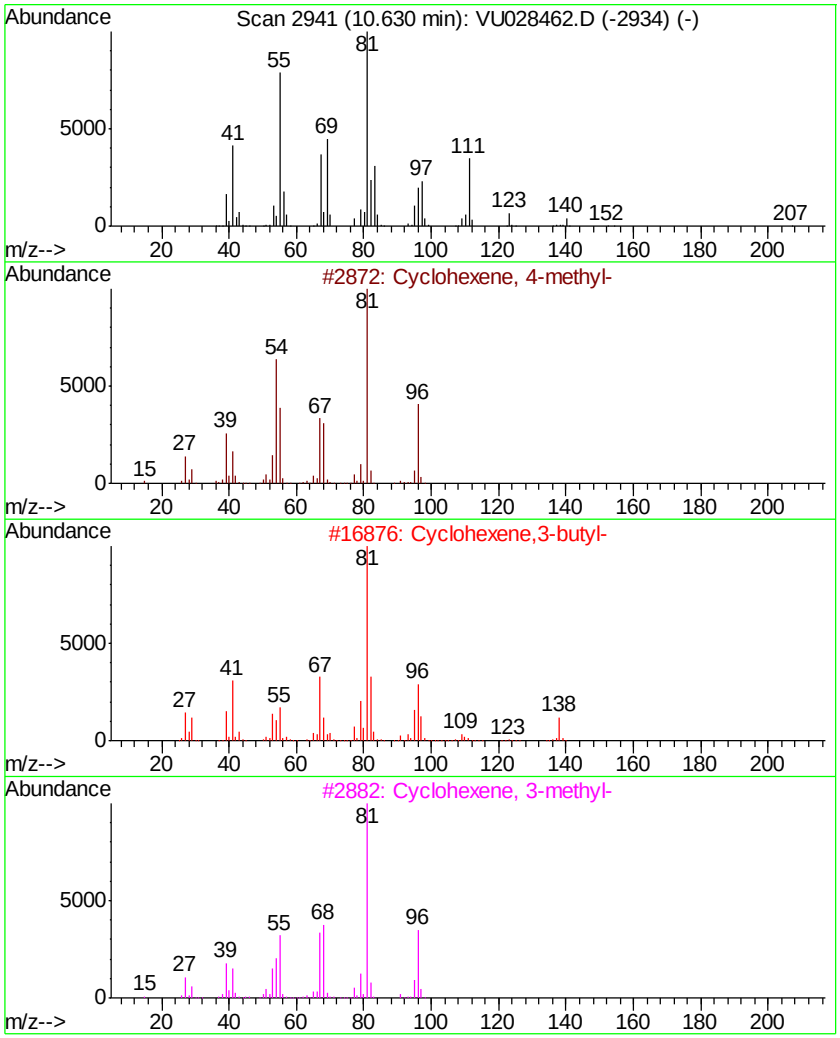
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

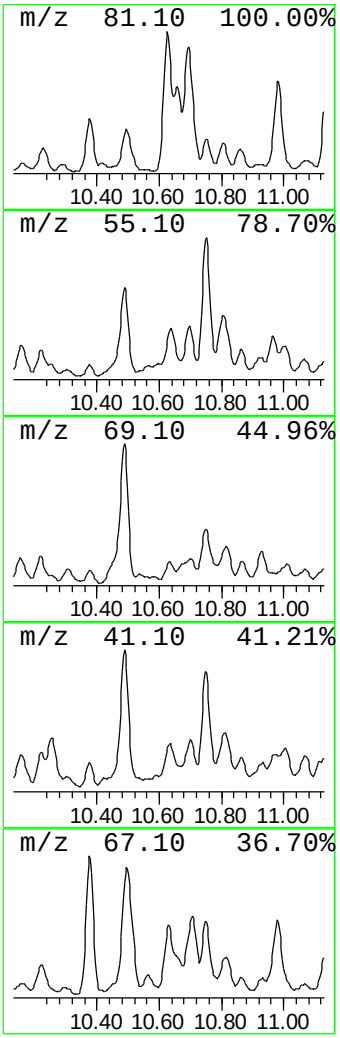
****

Peak Number 41 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	54.29 ug/L	1726460	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38
2	Cyclohexene,3-butyl-	138	C10H18	003983-07-1	38
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	35
4	Cyclooctanemethanol	142	C9H18O	003637-63-6	32
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

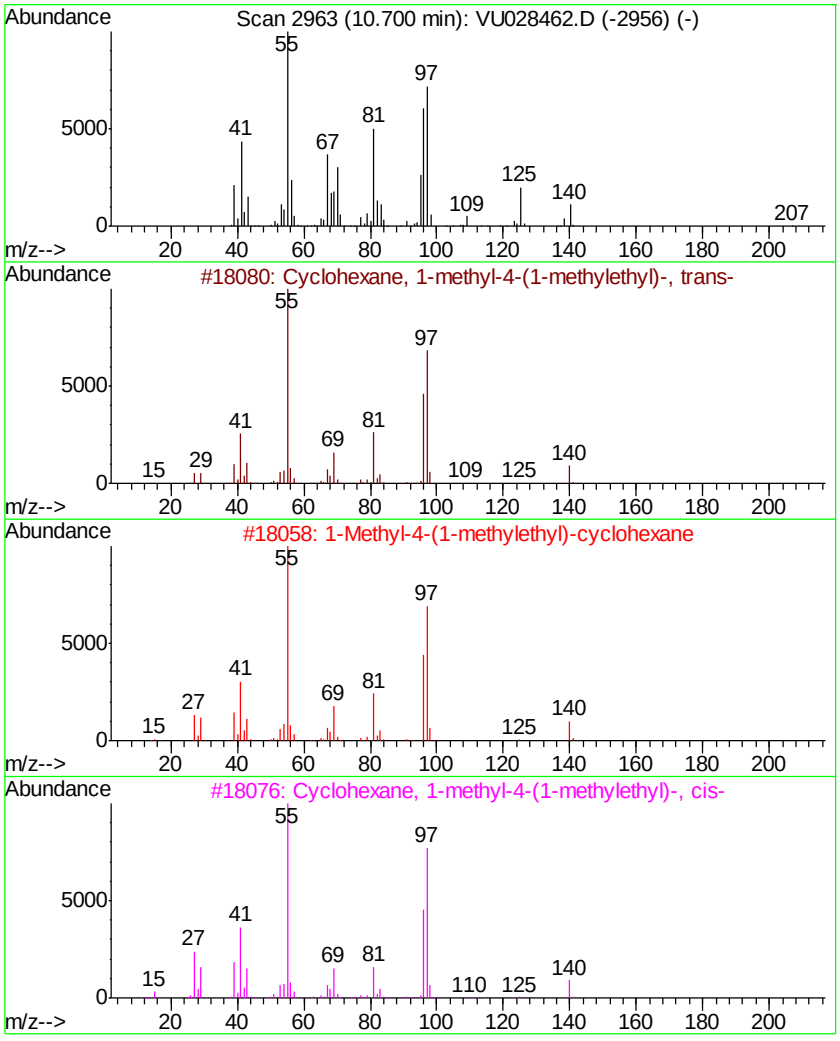
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

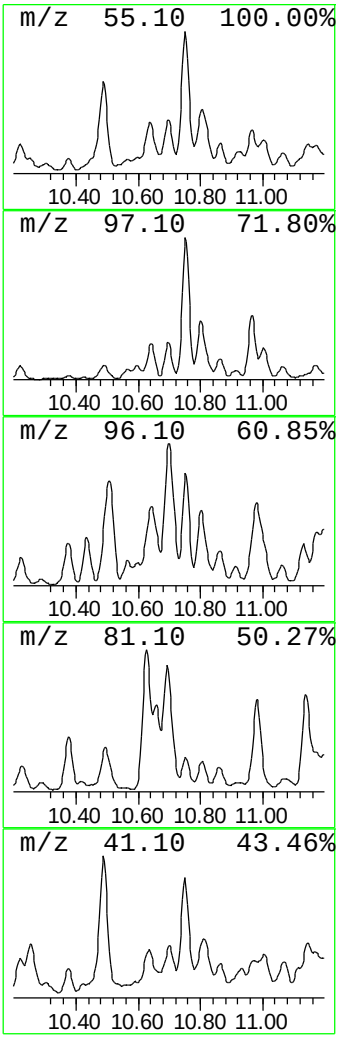
****

Peak Number 42 (DEL) Alkane: Cyclic10.70 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	50.65 ug/L	1610520	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4	1-Azabicyclo[2.2.2]octan-3-one	125	C7H11NO	003731-38-2	43
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

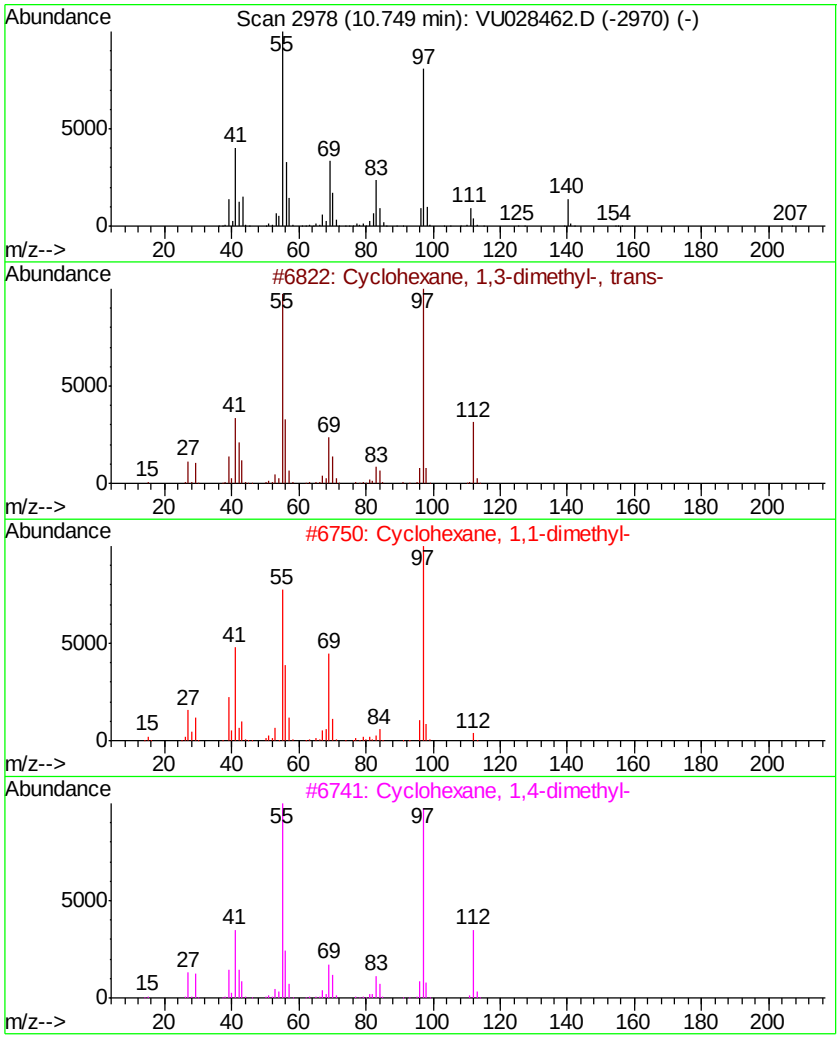
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

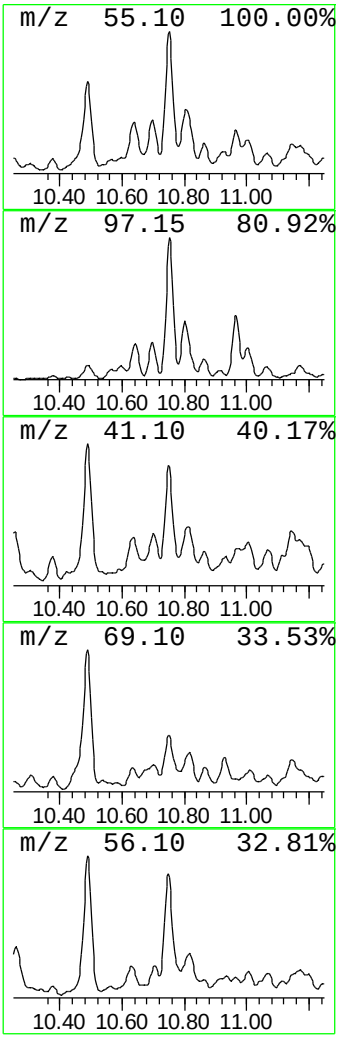
****

Peak Number 43 (DEL) Alkane: Cyclic10.75 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	111.42 ug/L	3543160	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	72
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

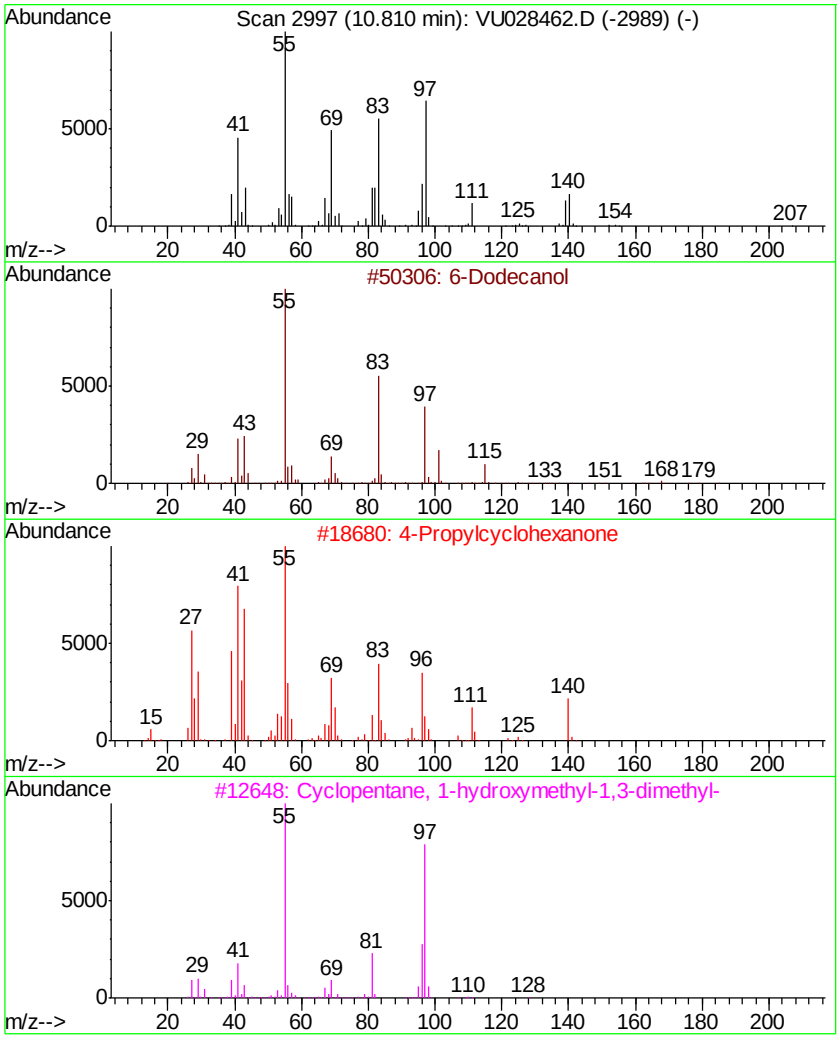
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

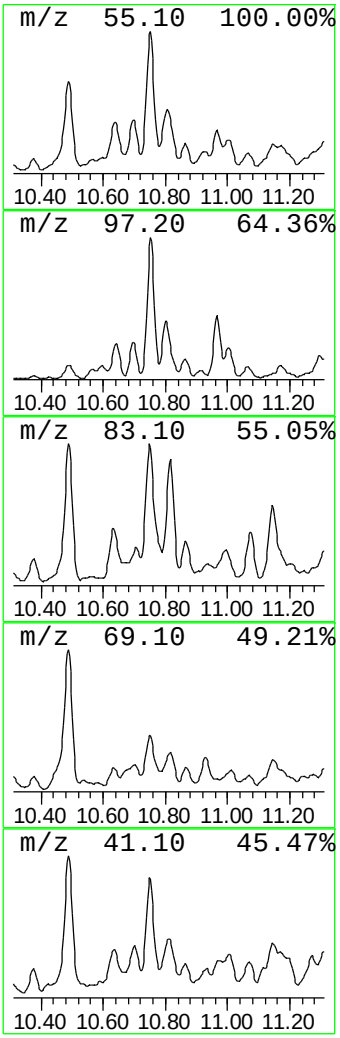
****

Peak Number 44 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	59.89 ug/L	1904500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Dodecanol	186	C12H26O	006836-38-0	43
2	4-Propylcyclohexanone	140	C9H16O	040649-36-3	38
3	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	38
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

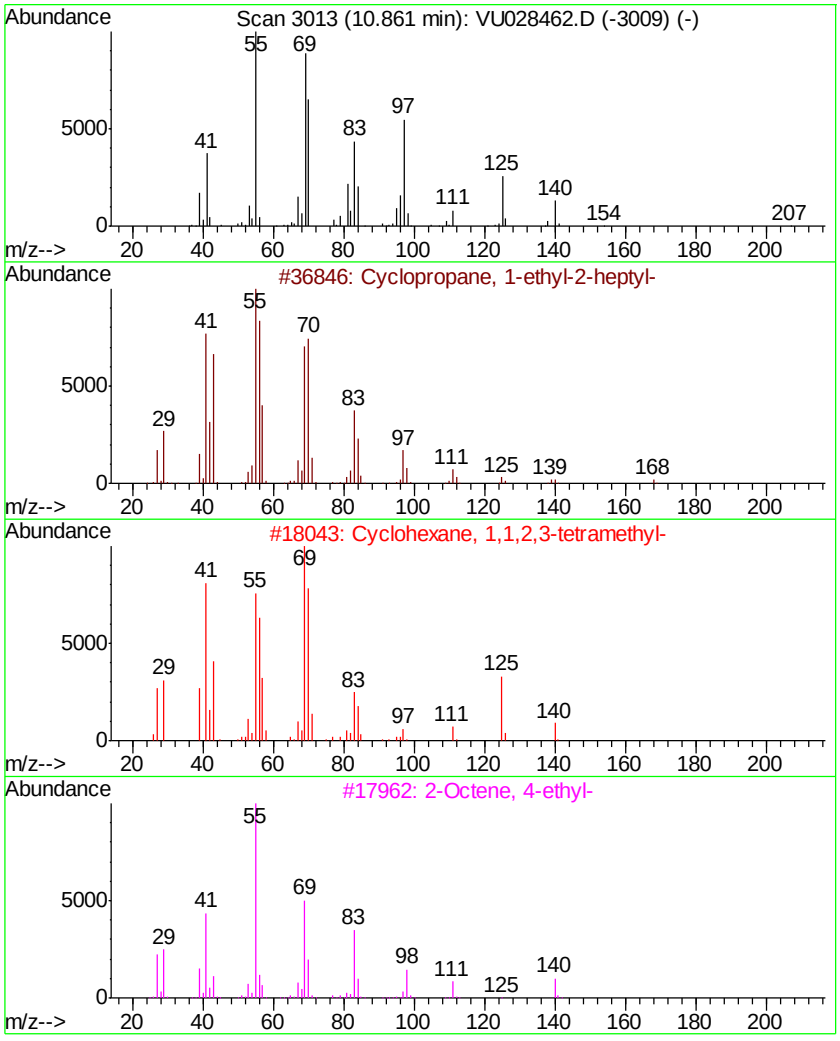
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

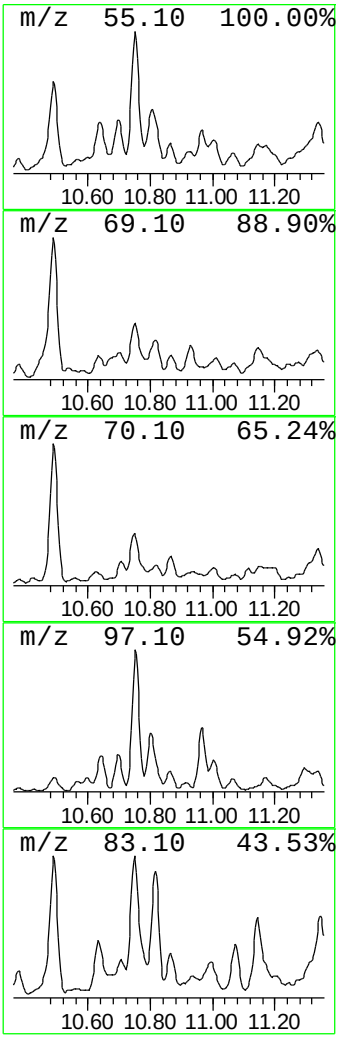
****

Peak Number 45 (DEL) Alkane: Cyclic10.86 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	15.74 ug/L	500402	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	53
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	52
3	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	47
4	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	47
5	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

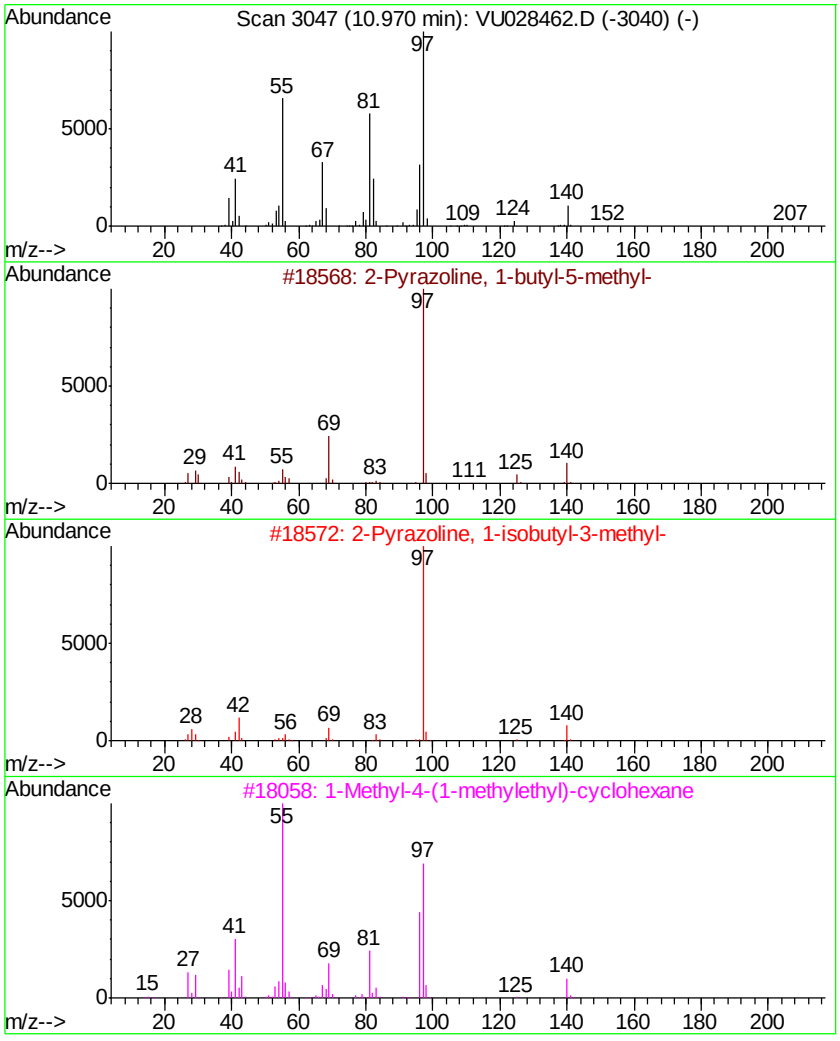
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

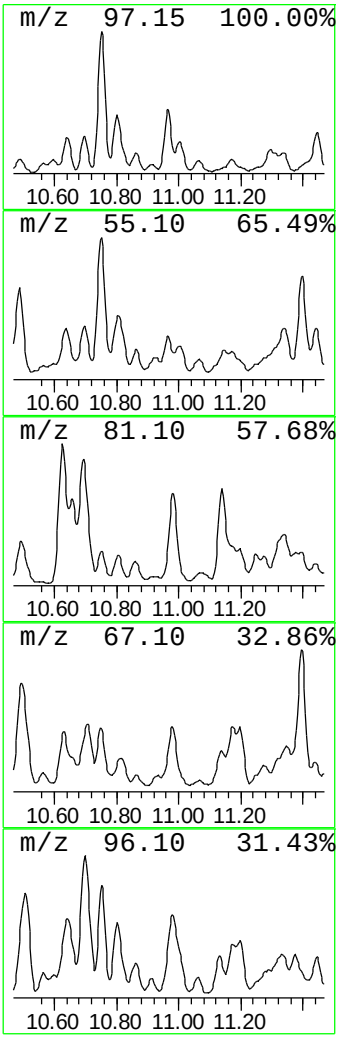
****

Peak Number 46 unknown-03 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	23.32 ug/L	741446	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	38
2	2-Pyrazoline, 1-isobutyl-3-methyl-	140	C8H16N2	026964-53-4	38
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
5	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

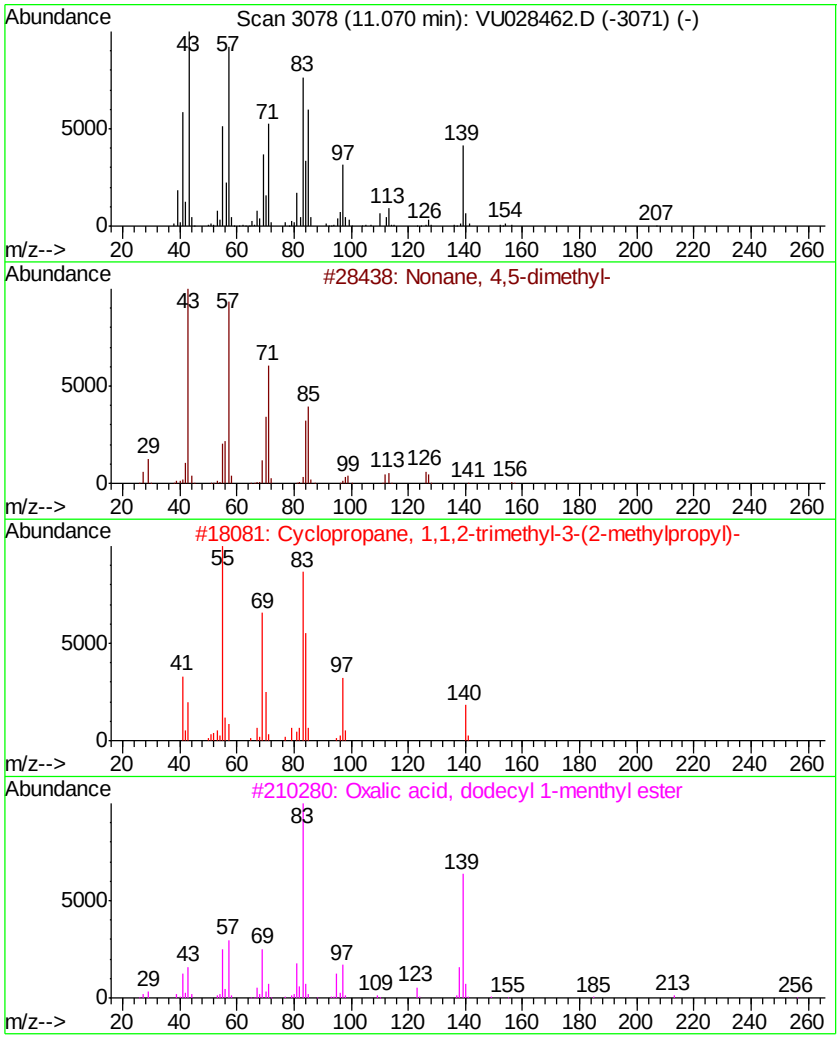
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

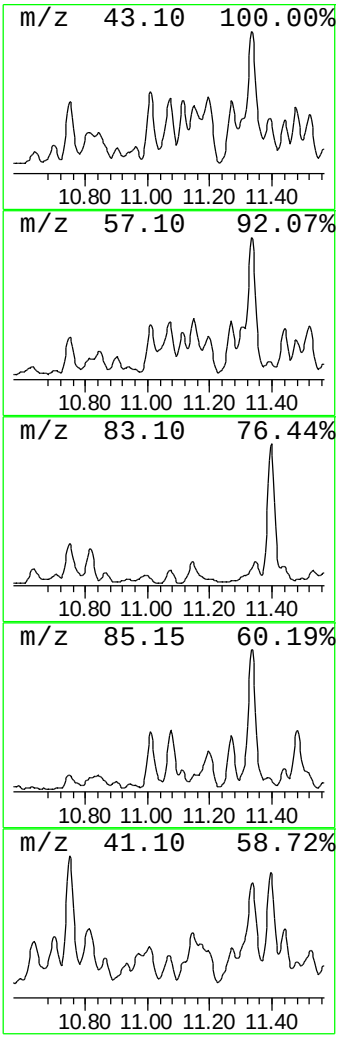
****

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	20.52 ug/L	652660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	46
2	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	38
3	Oxalic acid, dodecyl 1-menthyl e...	396	C24H44O4	1000314-98-0	35
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	35
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

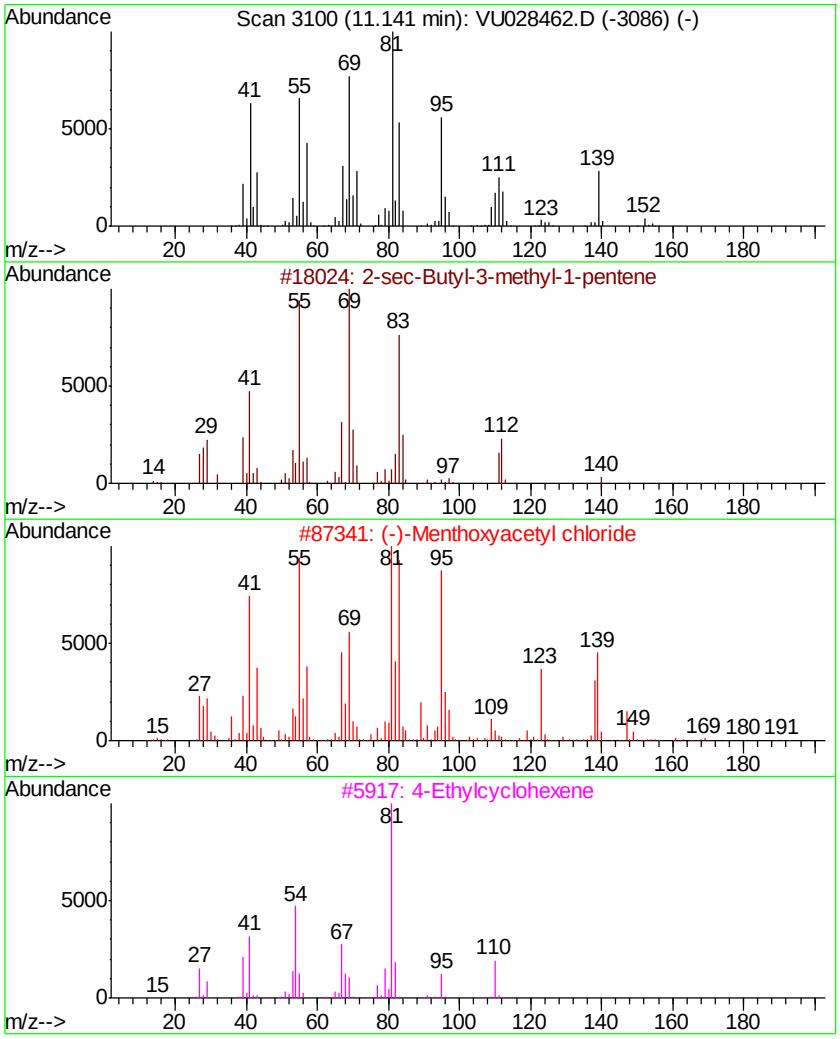
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

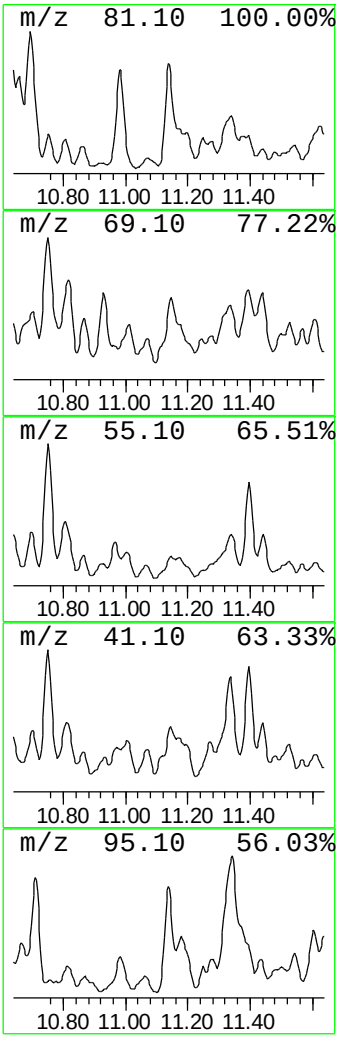
****

Peak Number 48 (DEL) Alkane: Cyclic11.14 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	61.35 ug/L	1950860	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	46
2	(-)-Menthoxyacetyl chloride	232	C12H21ClO2	015356-62-4	30
3	4-Ethylcyclohexene	110	C8H14	003742-42-5	25
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	20
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	20





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

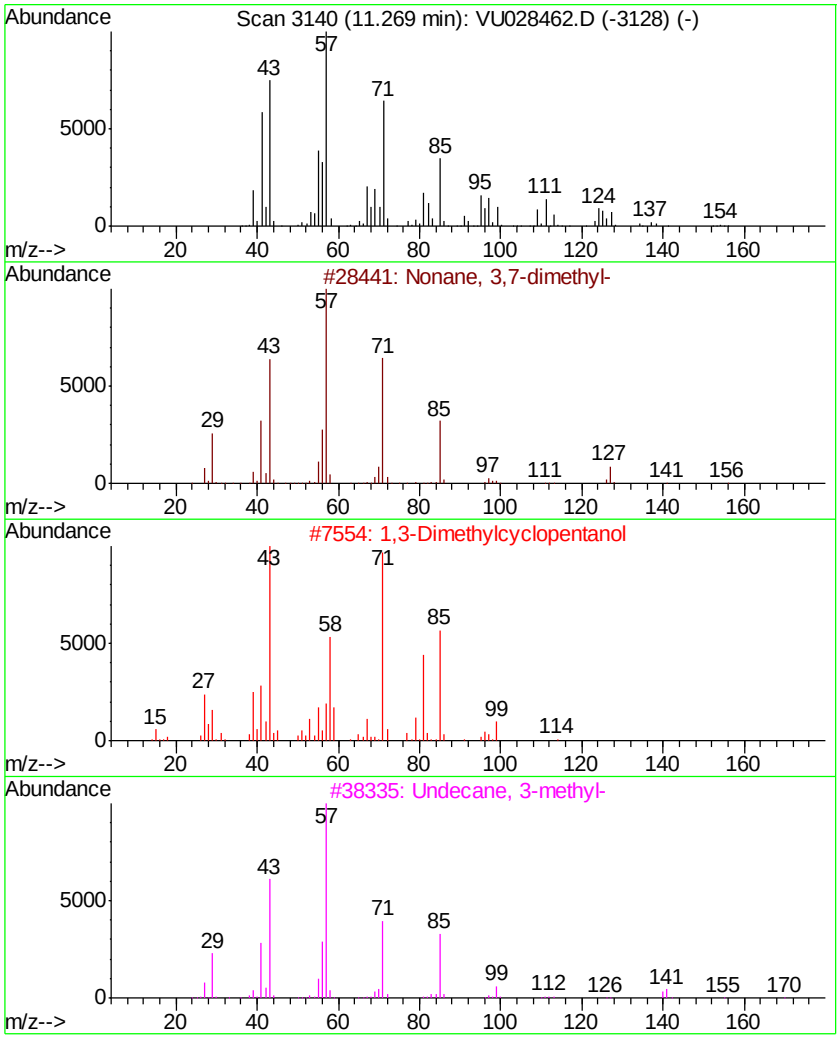
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

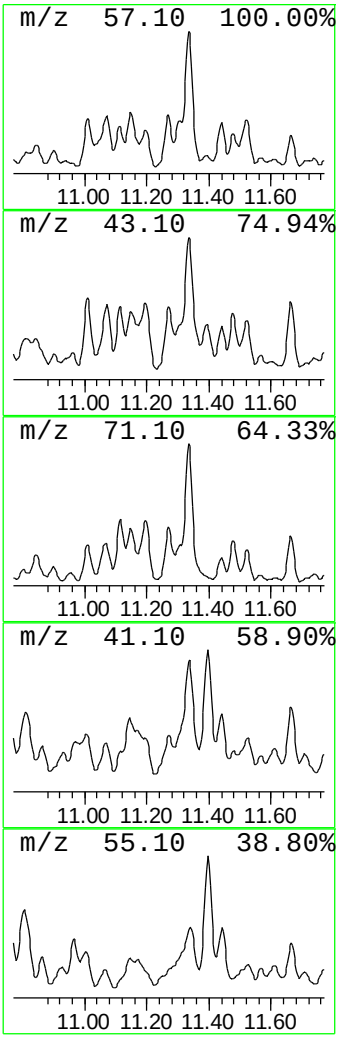
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	33.79 ug/L	1074380	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	42
2	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	38
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	35
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	35
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

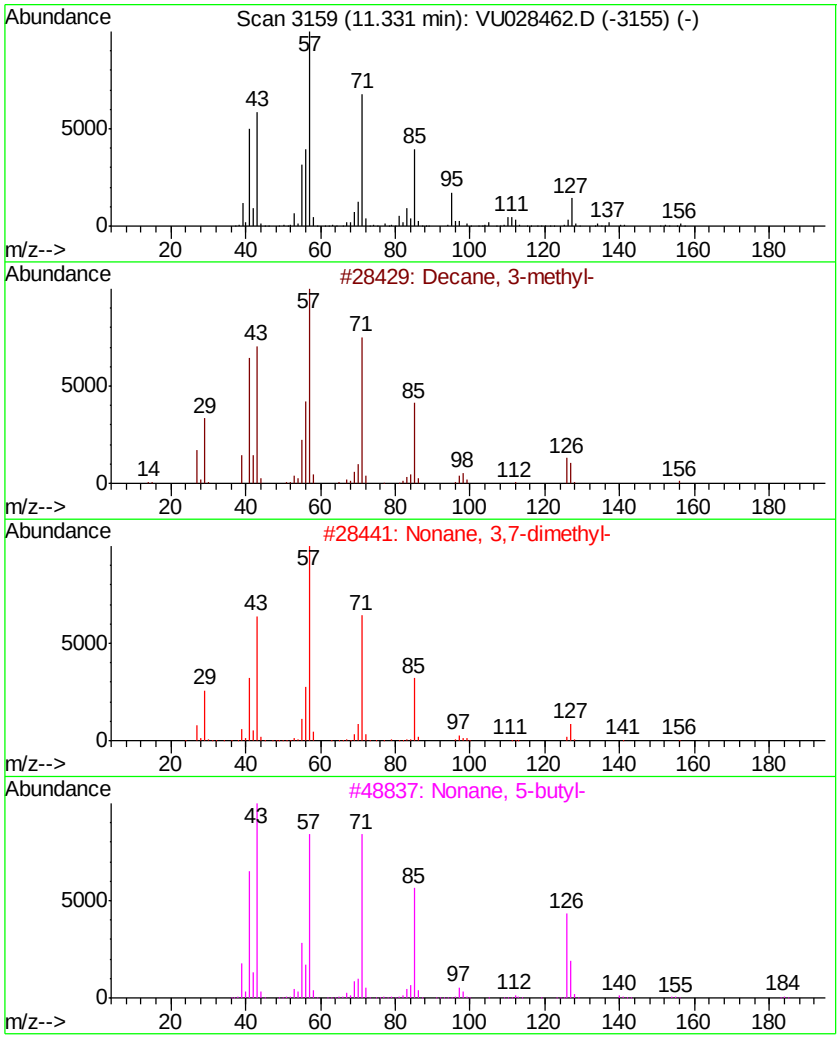
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

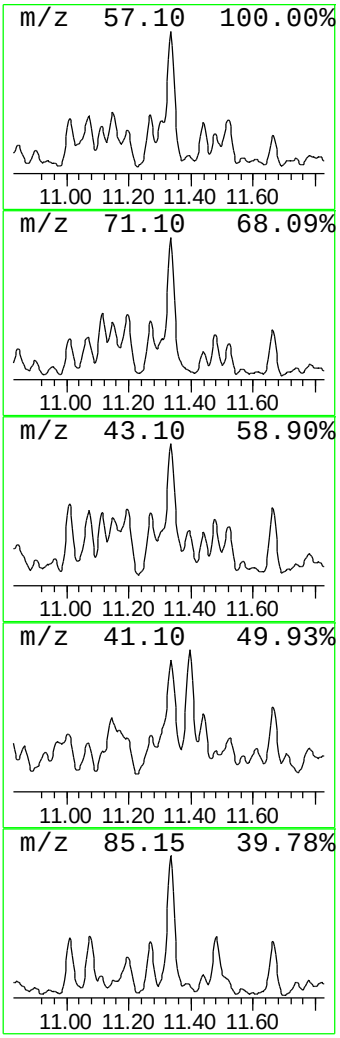
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	66.33 ug/L	2109120	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	91
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	49
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	47
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

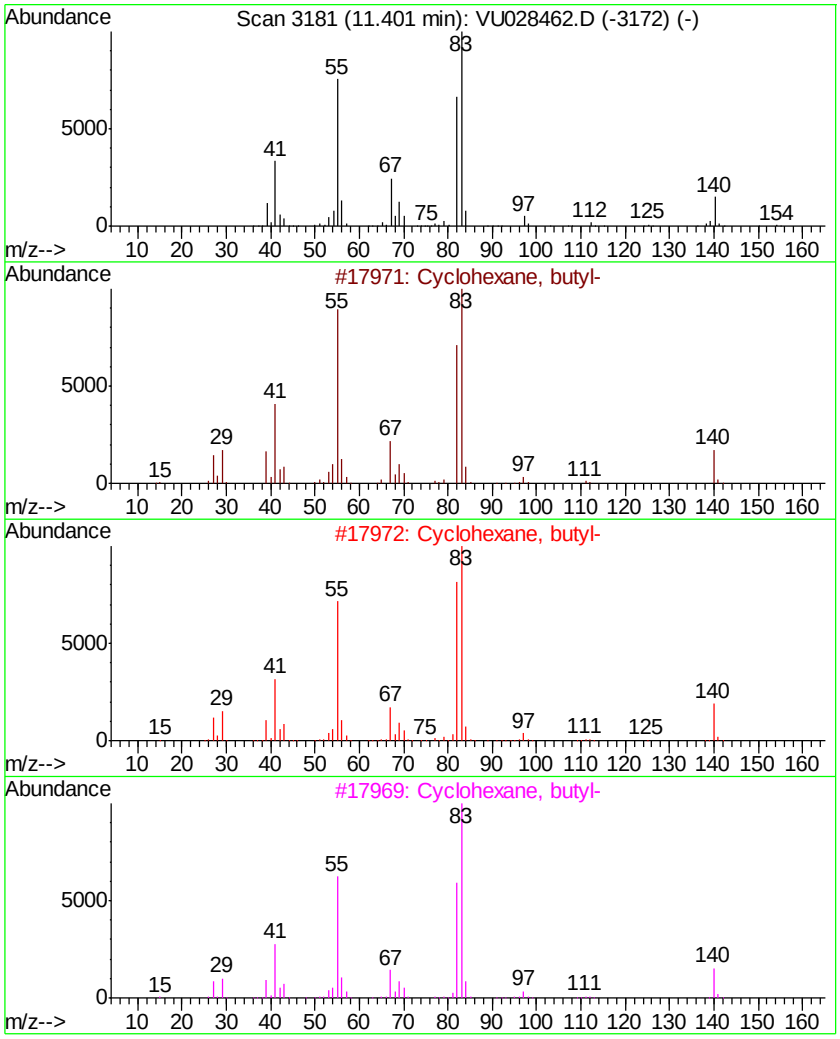
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

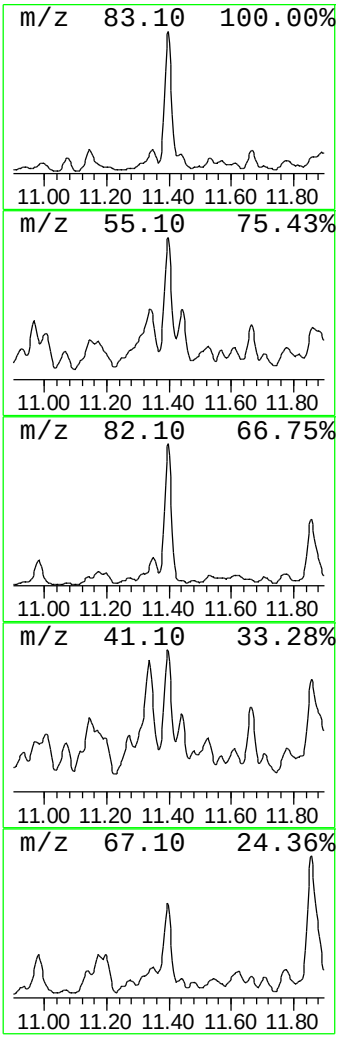
****

Peak Number 51 (DEL) Alkane: Cyclic11.40 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	61.61 ug/L	1959080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	95
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	86
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

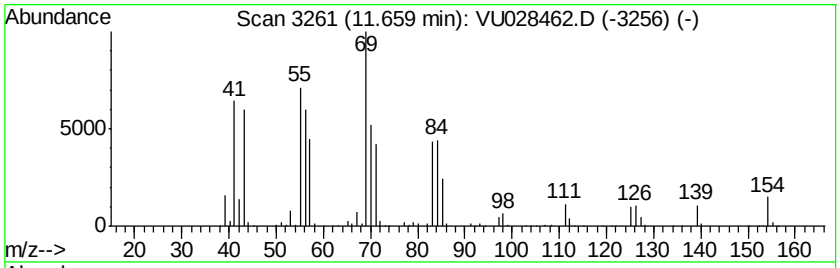
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

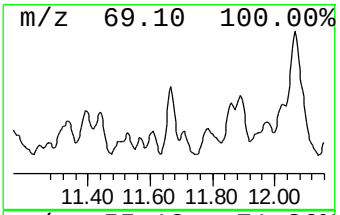
****

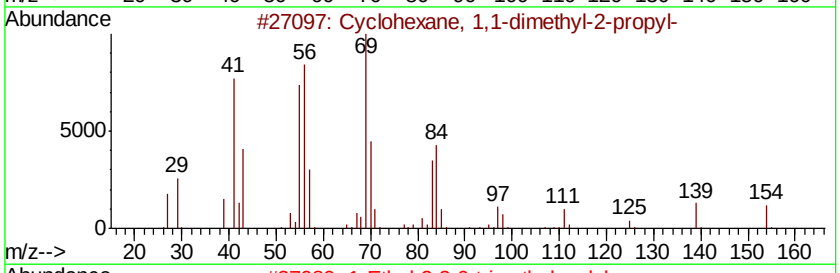
Peak Number 52 (DEL) Alkane: Cyclic11.66 Concentration Rank 51

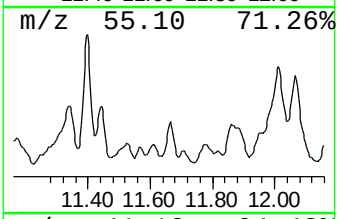
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	34.49 ug/L	1096870	1,4-Dichlorobenzene-d4	11.48

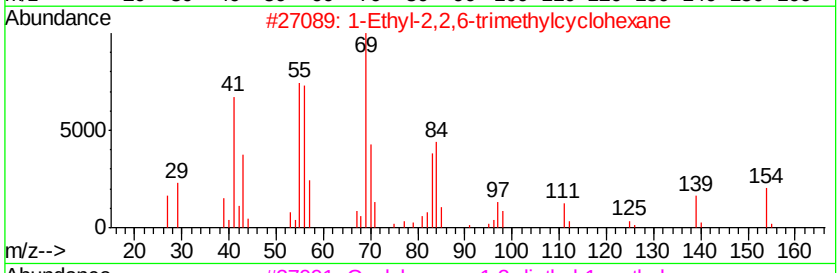
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	87
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
3	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	52
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	49
5	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	43

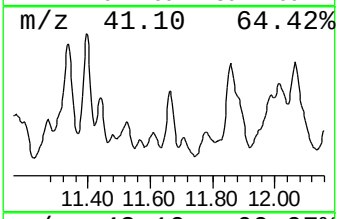


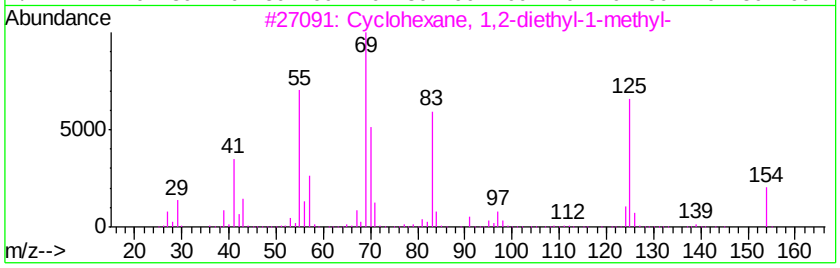


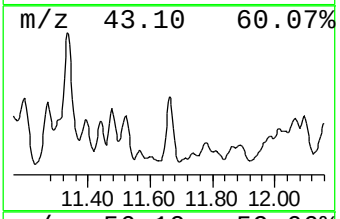


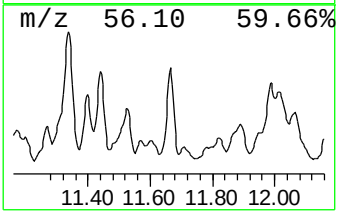












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

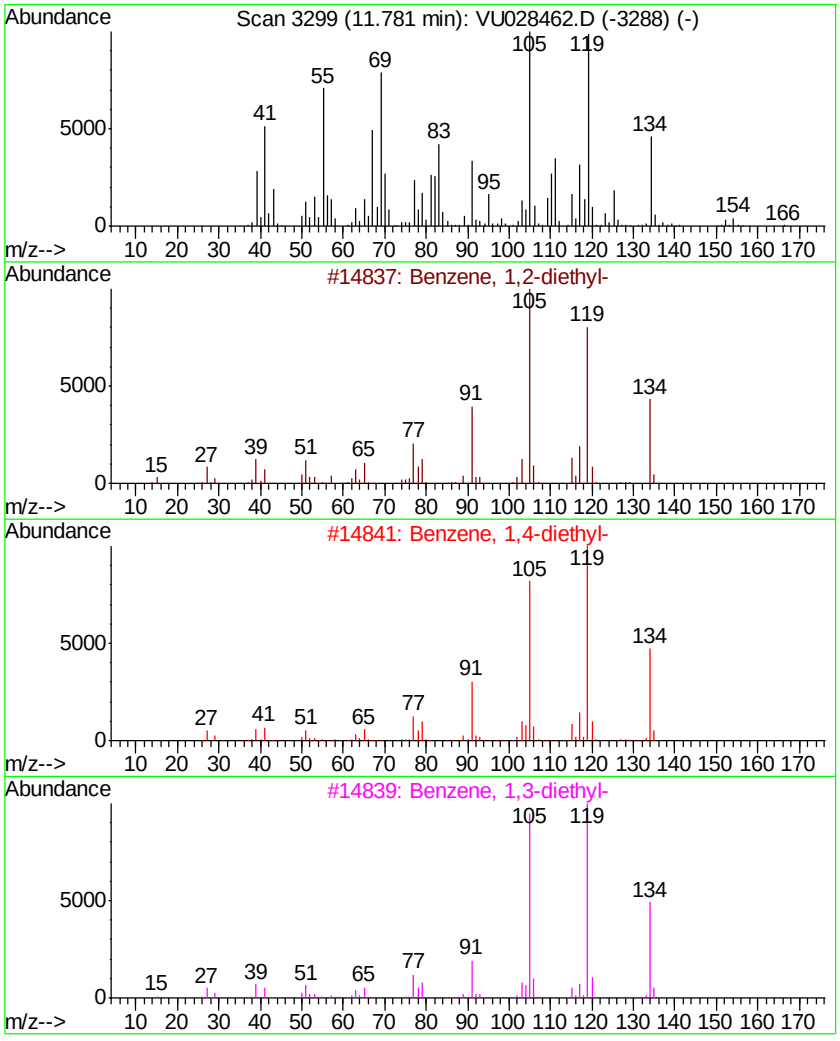
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

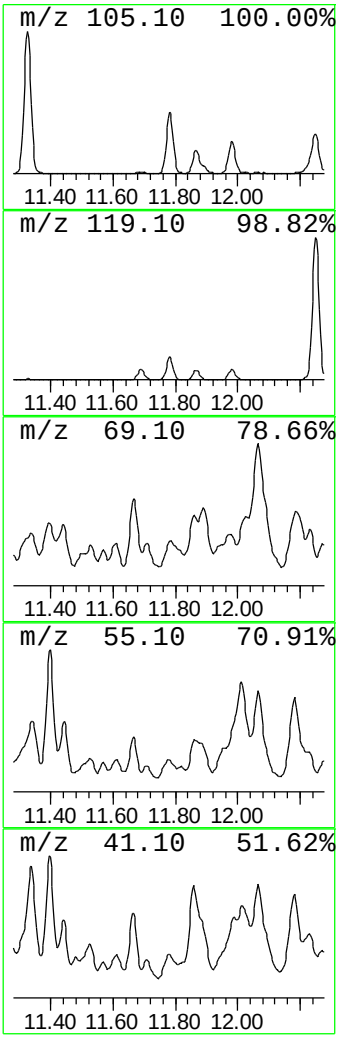
****

Peak Number 53 Benzene, 1,2-diethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	43.89 ug/L	1395600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	35
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	35
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	35
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

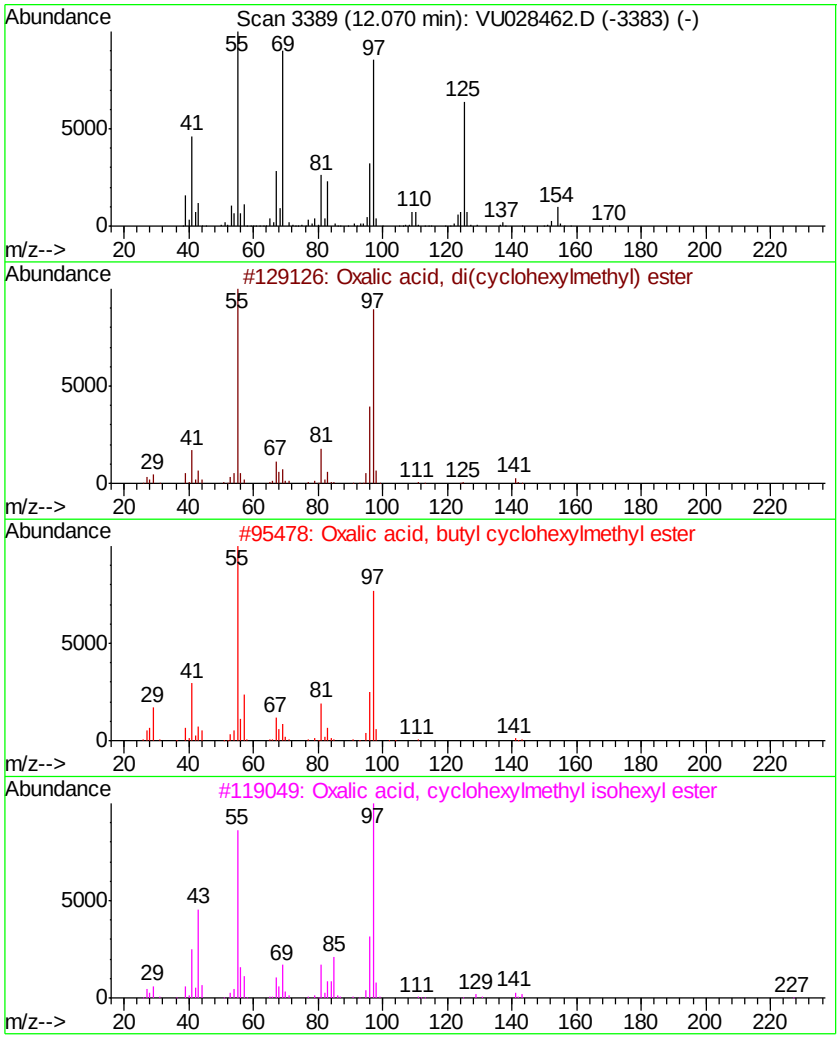
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

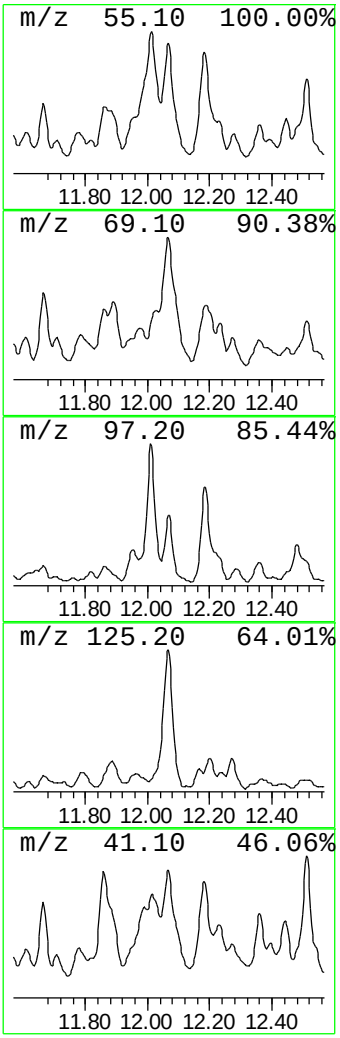
****

Peak Number 54 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	90.59 ug/L	2880750	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	38
2	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	38
3	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	38
4	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	35
5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

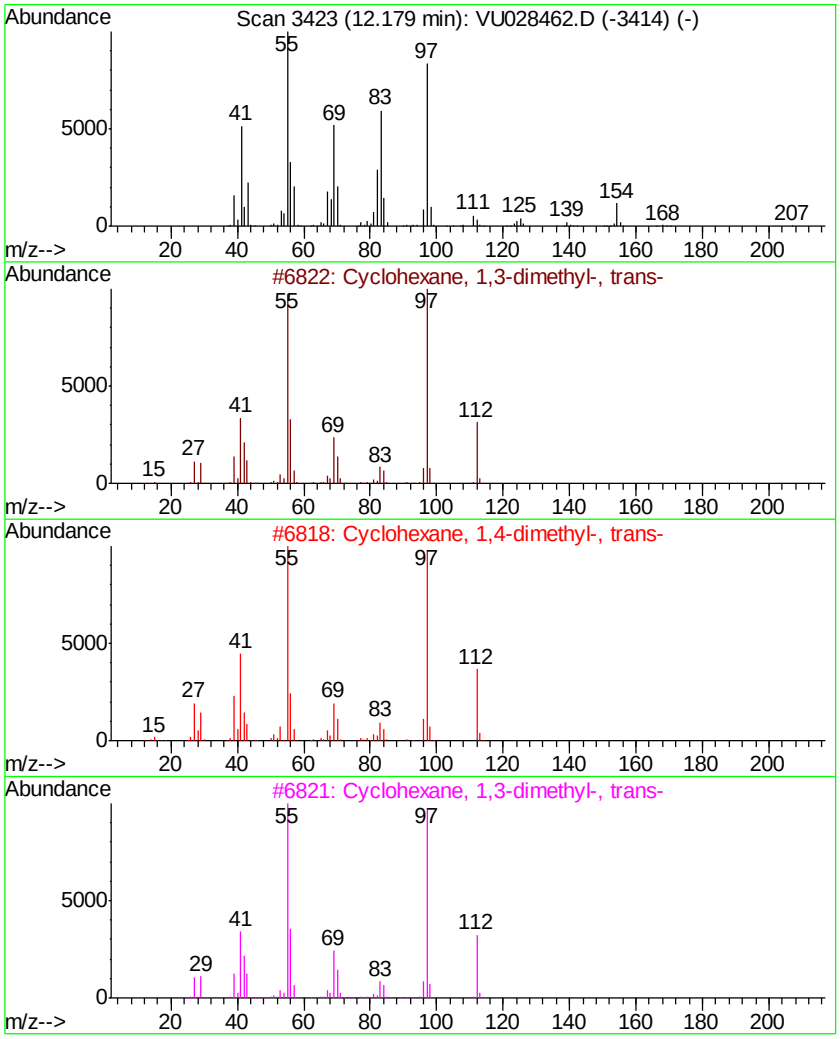
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

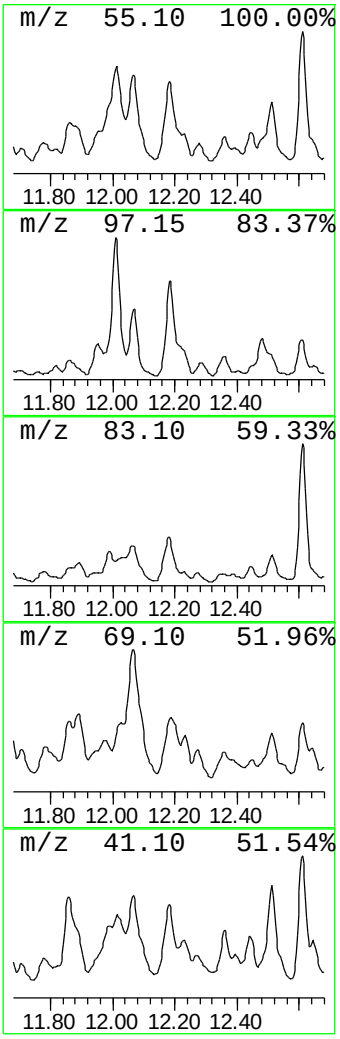
****

Peak Number 55 (DEL) Alkane: Cyclic12.18 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	63.52 ug/L	2020030	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	58
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

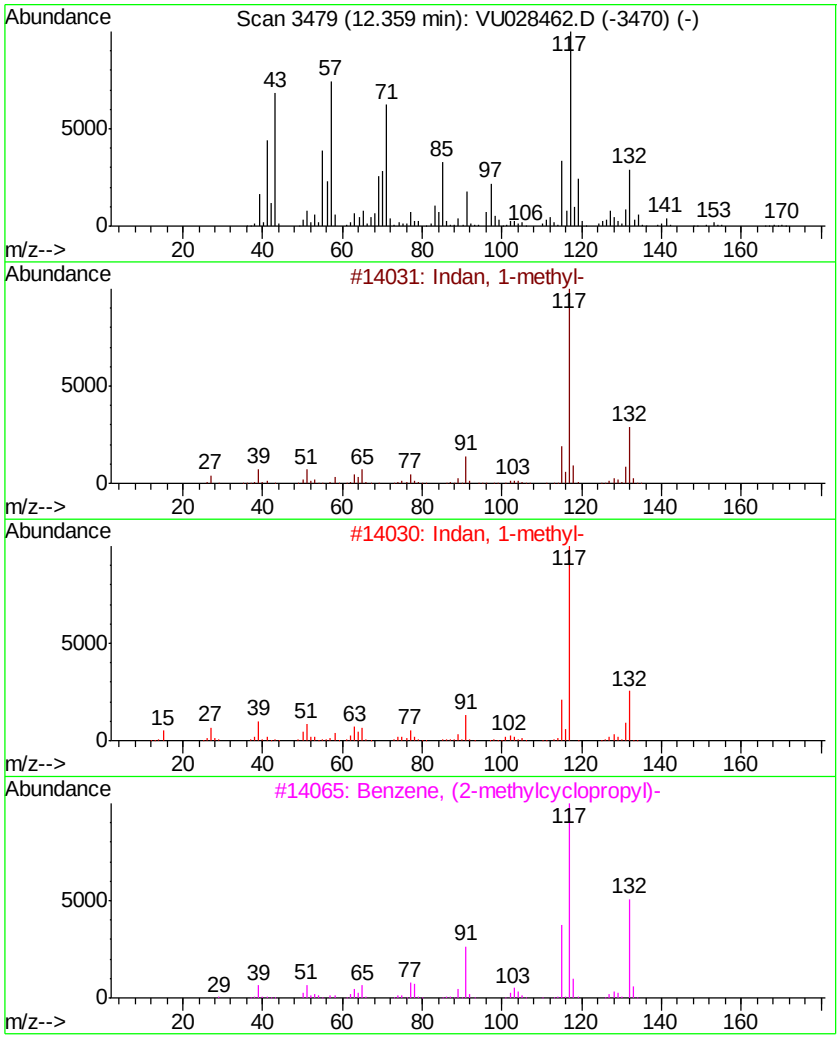
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

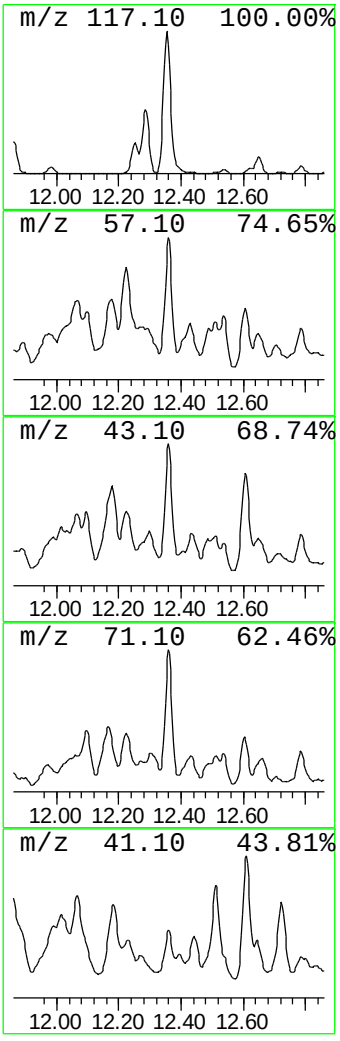
****

Peak Number 56 Indan, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	62.09 ug/L	1974490	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	83
2	Indan, 1-methyl-	132	C10H12	000767-58-8	46
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	46
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	41
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

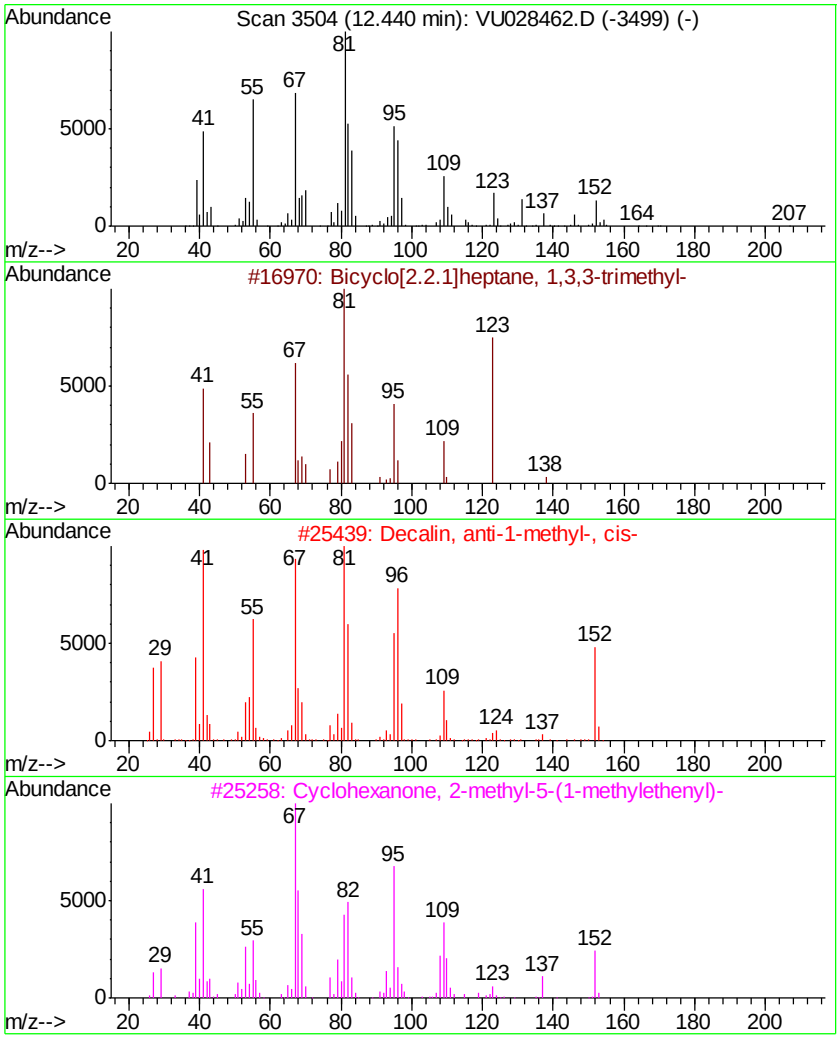
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

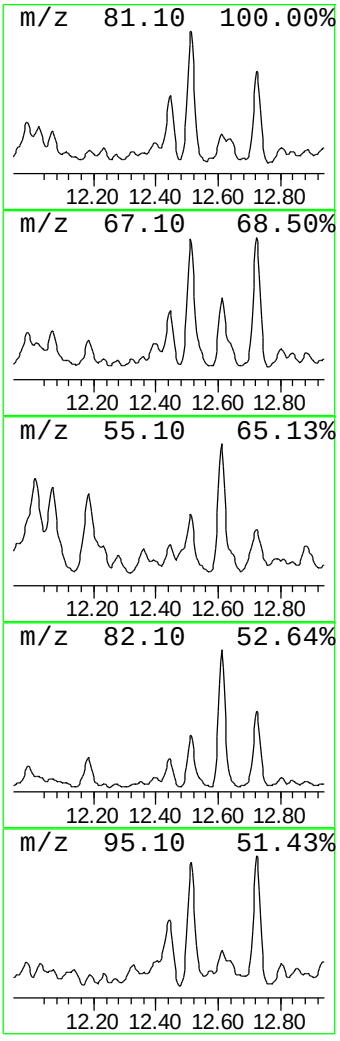
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Bicyclo[2.2.1]heptane, 1,3,... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	30.60 ug/L	973095	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	72
2	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	60
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	46
4	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	46
5	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

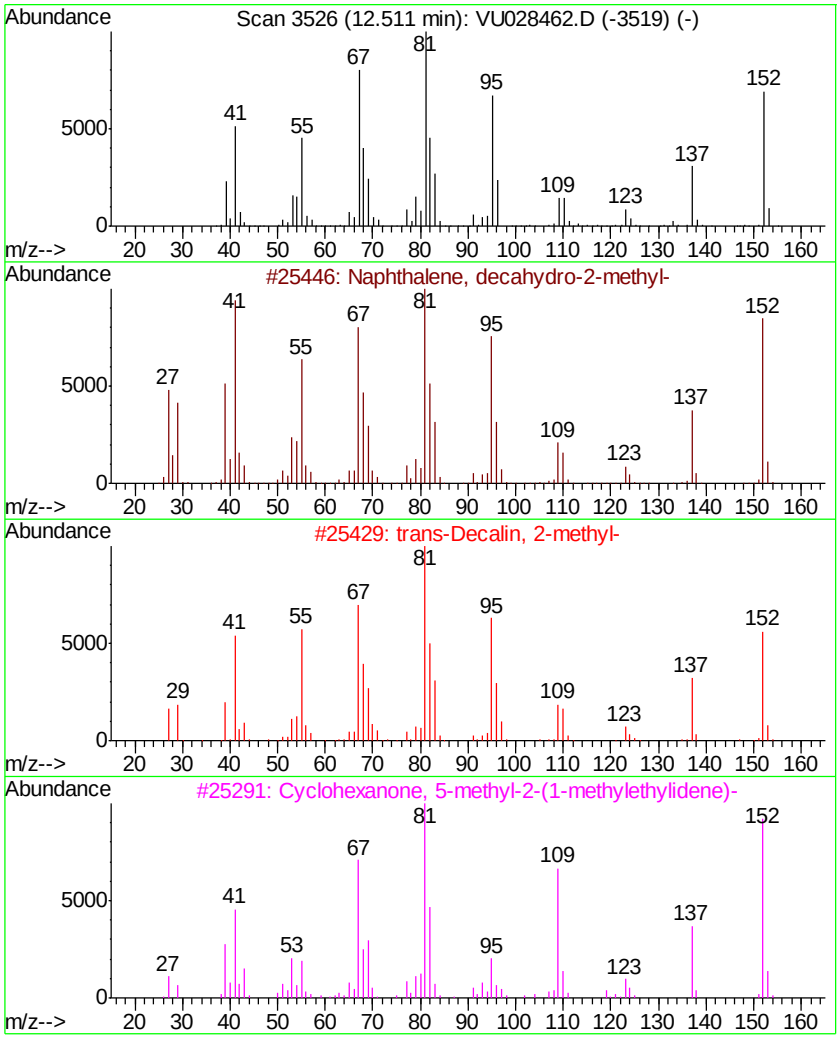
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

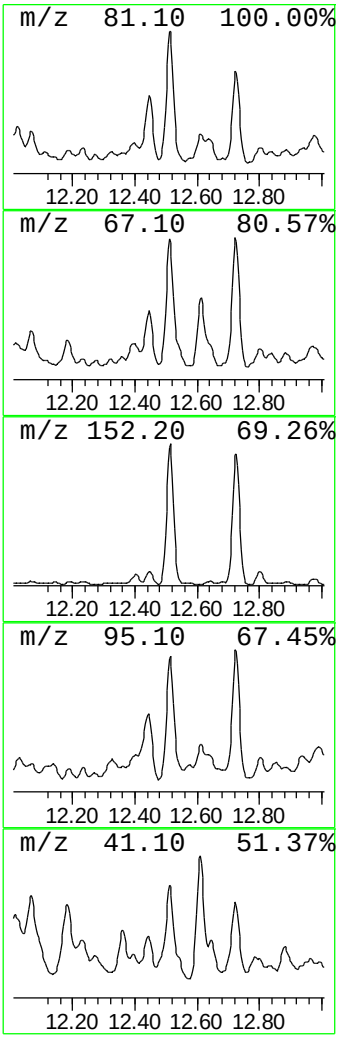
****

Peak Number 58 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	116.52 ug/L	3705110	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
5	Pulegone	152	C10H16O	000089-82-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

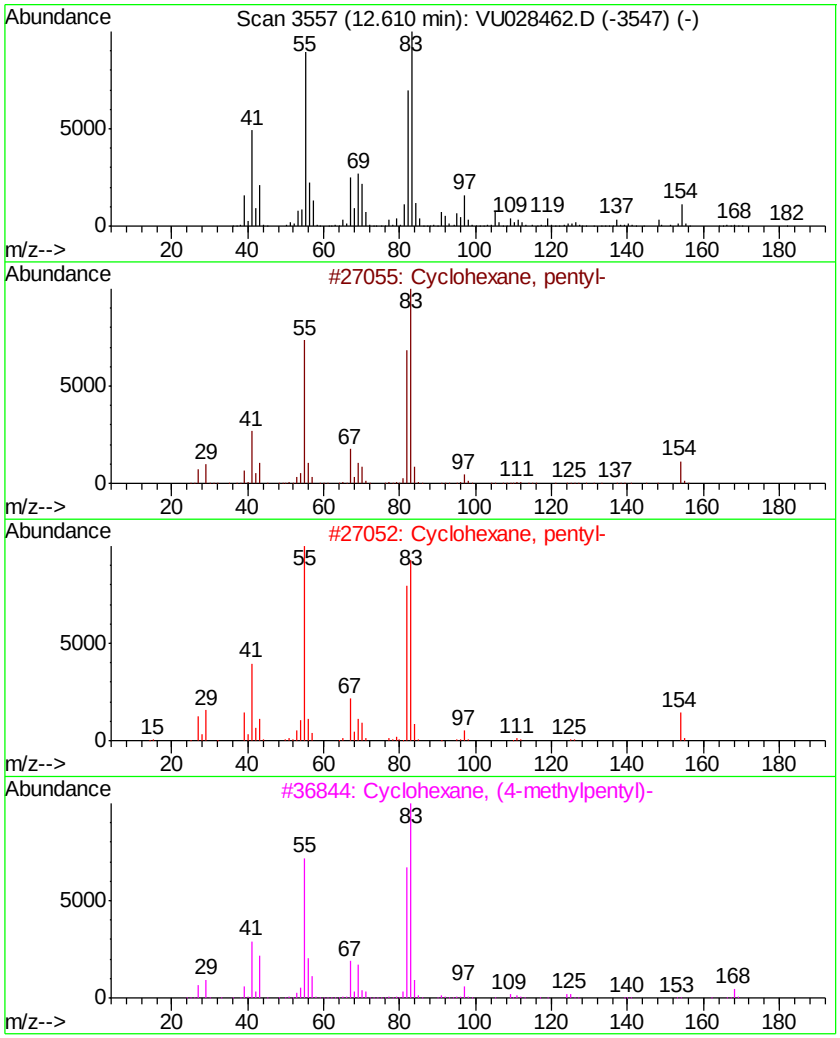
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

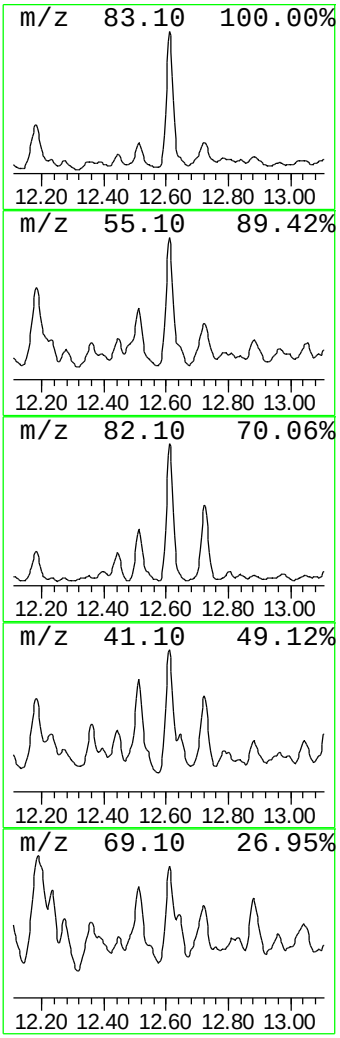
****

Peak Number 59 (DEL) Alkane: Cyclic12.61 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	112.55 ug/L	3579150	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
3	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

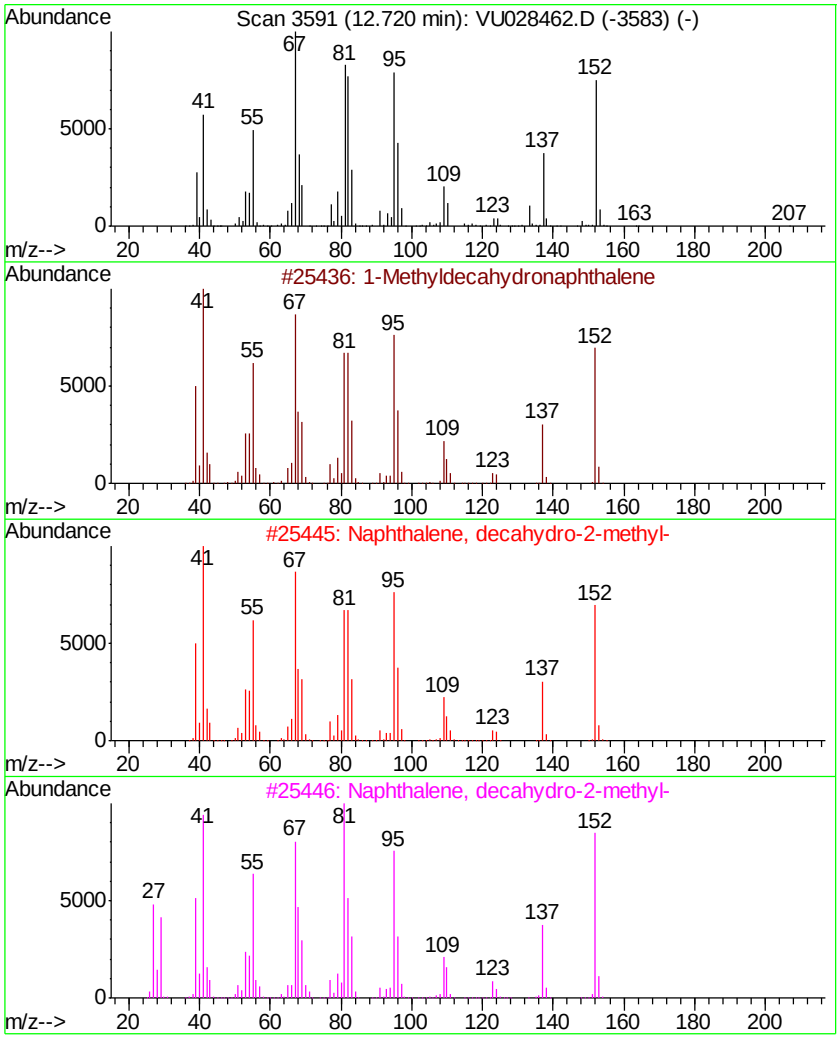
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

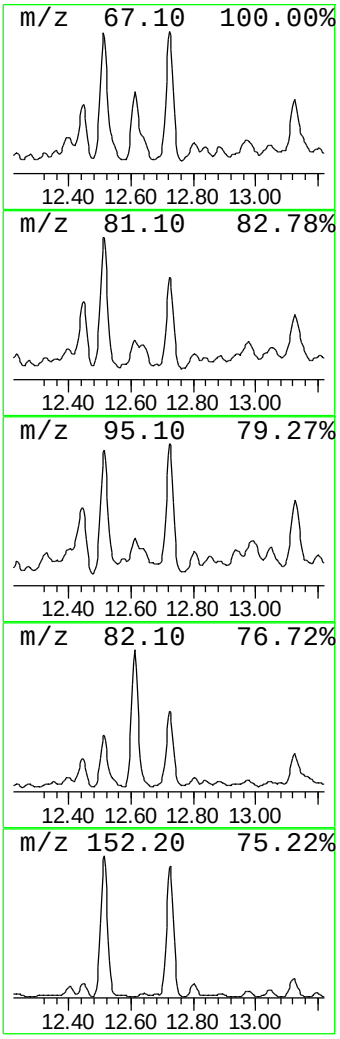
****

Peak Number 60 1-Methyldecahydronaphthalene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	78.21 ug/L	2487180	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

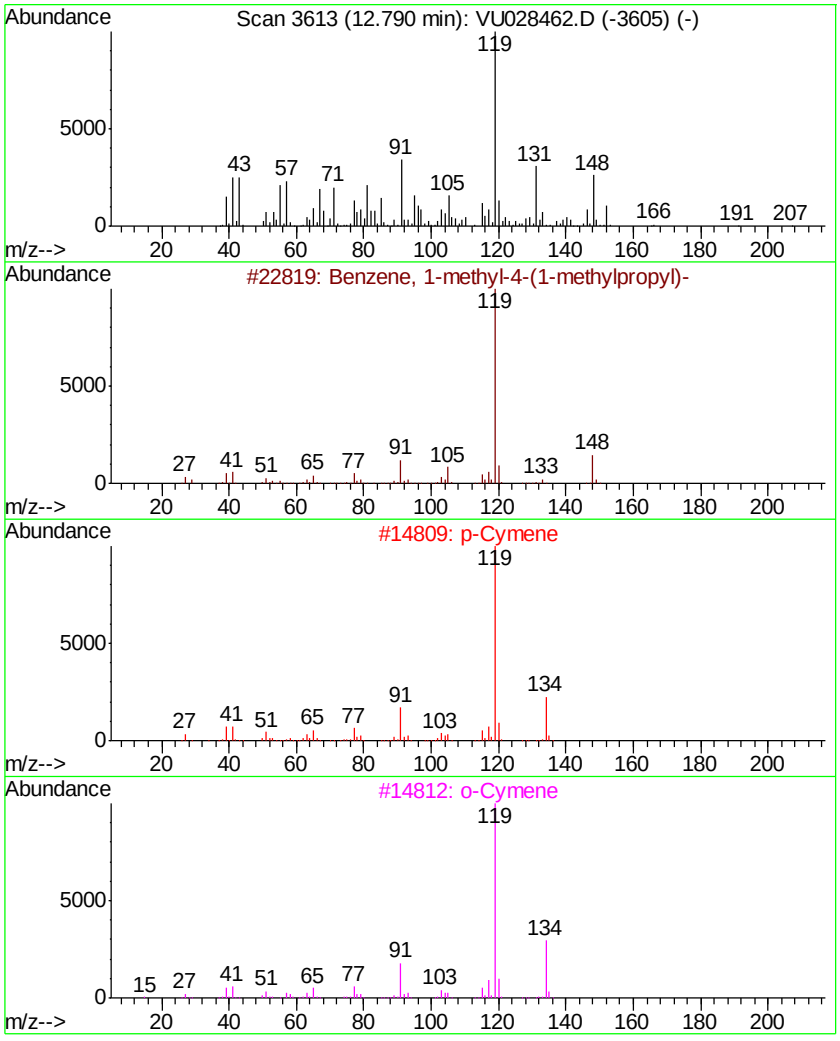
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

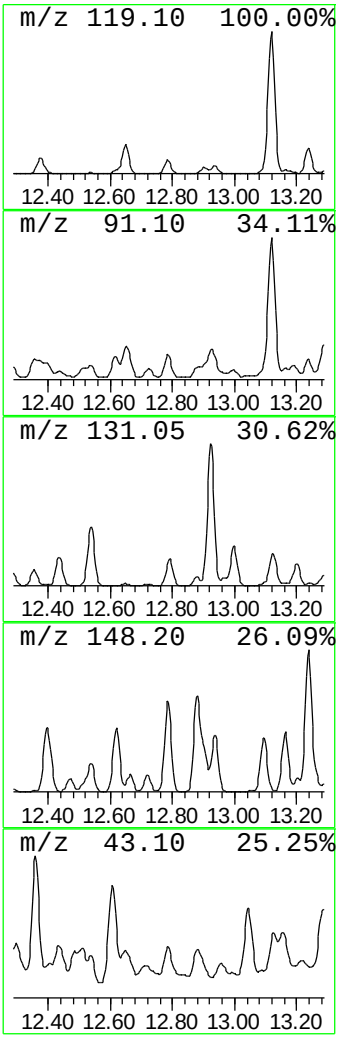
****

Peak Number 61 Benzene, 1-methyl-4-(1-meth... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	27.55 ug/L	876025	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	60
2	p-Cymene	134	C10H14	000099-87-6	50
3	o-Cymene	134	C10H14	000527-84-4	50
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

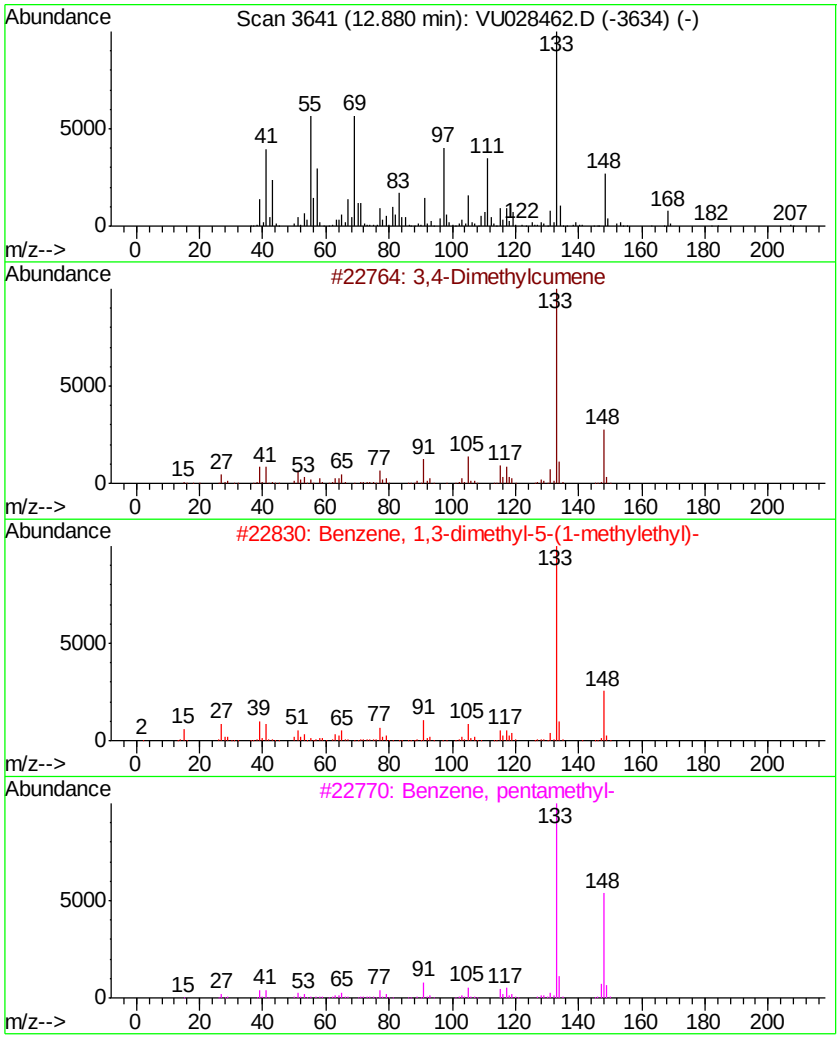
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

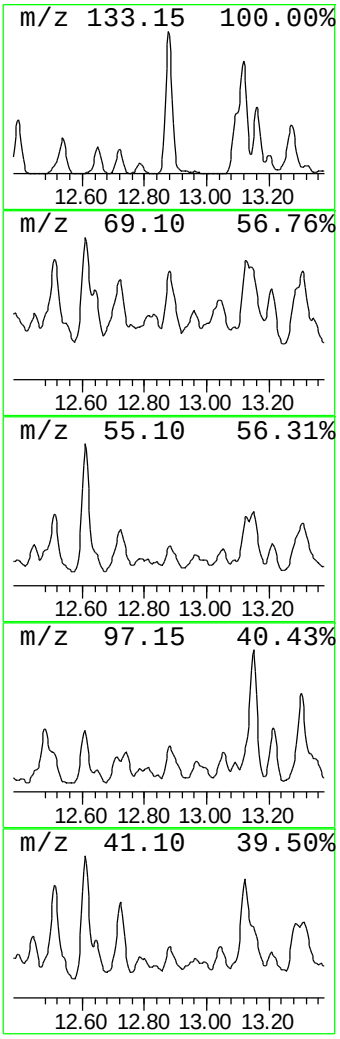
****

Peak Number 62 3,4-Dimethylcumene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	34.91 ug/L	1110150	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	92
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	91
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

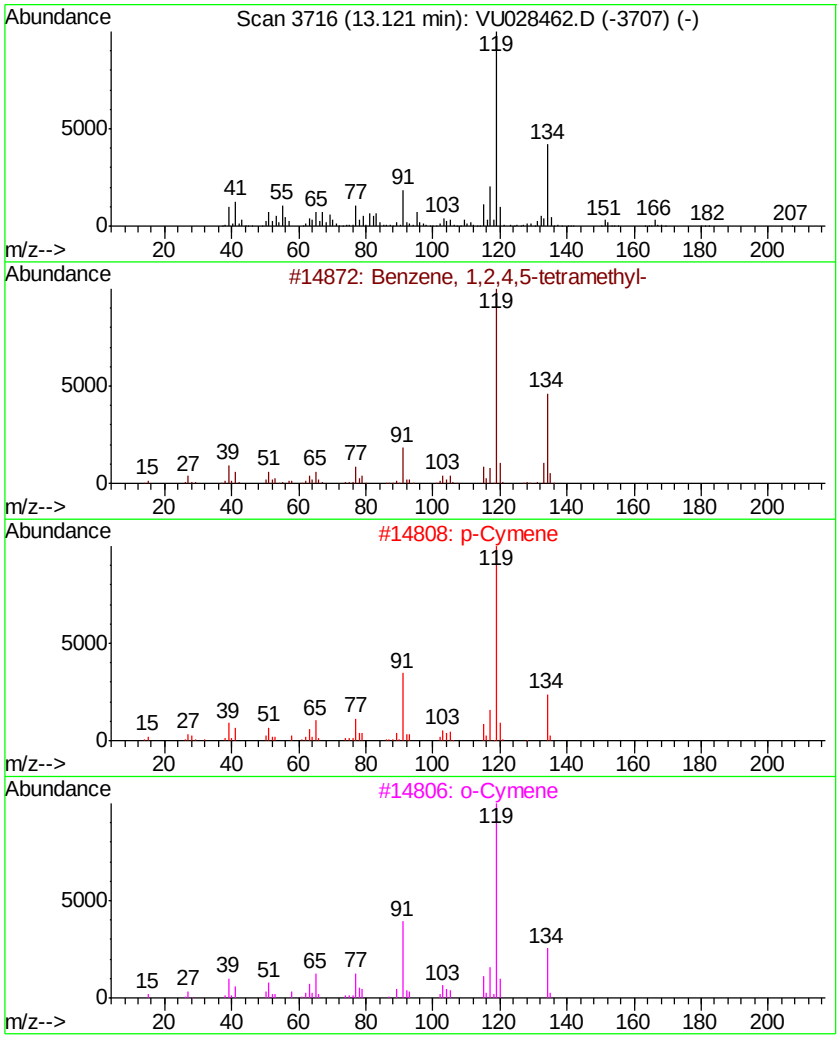
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

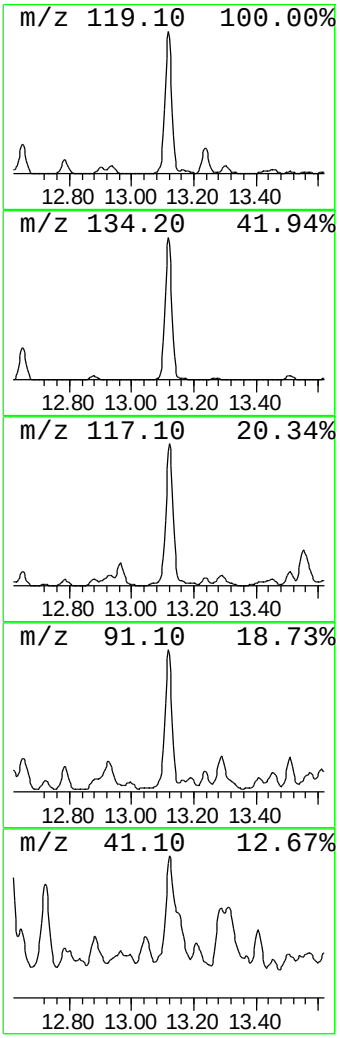
****

Peak Number 63 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	225.92 ug/L	7184150	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	o-Cymene	134	C10H14	000527-84-4	90
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

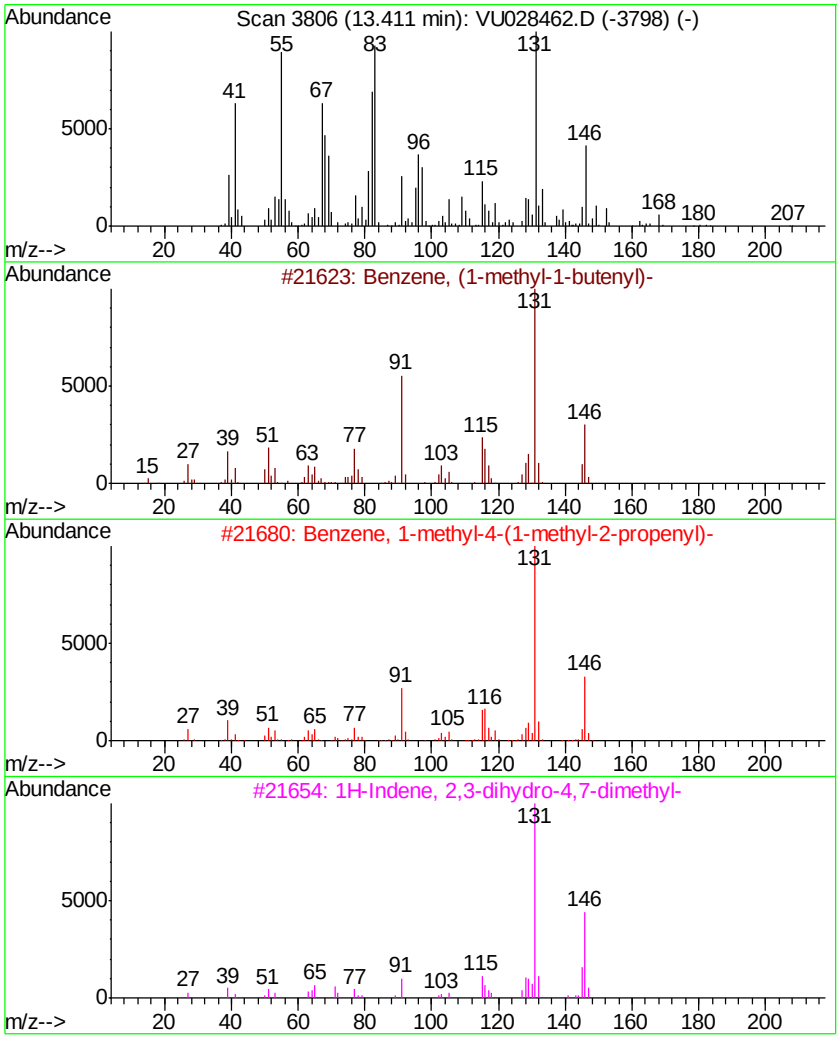
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

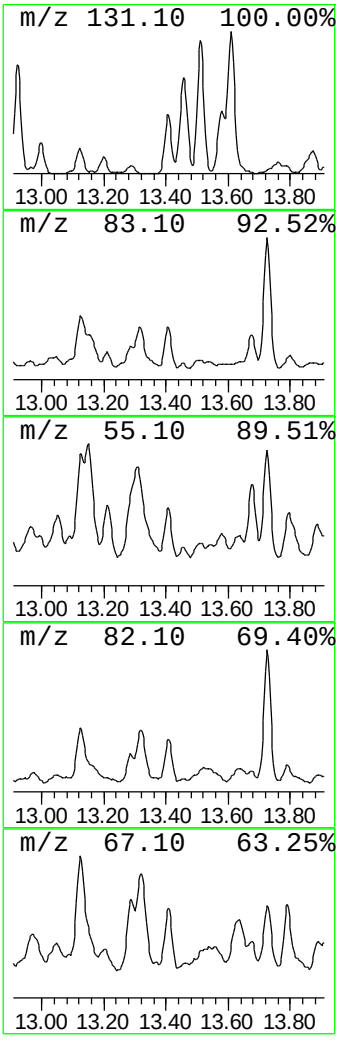
****

Peak Number 65 Benzene, (1-methyl-1-butenyl)- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	28.17 ug/L	895829	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	62
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	47
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	35
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	35
5	2-Propen-1-amine, N-2-propenyl-	97	C6H11N	000124-02-7	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

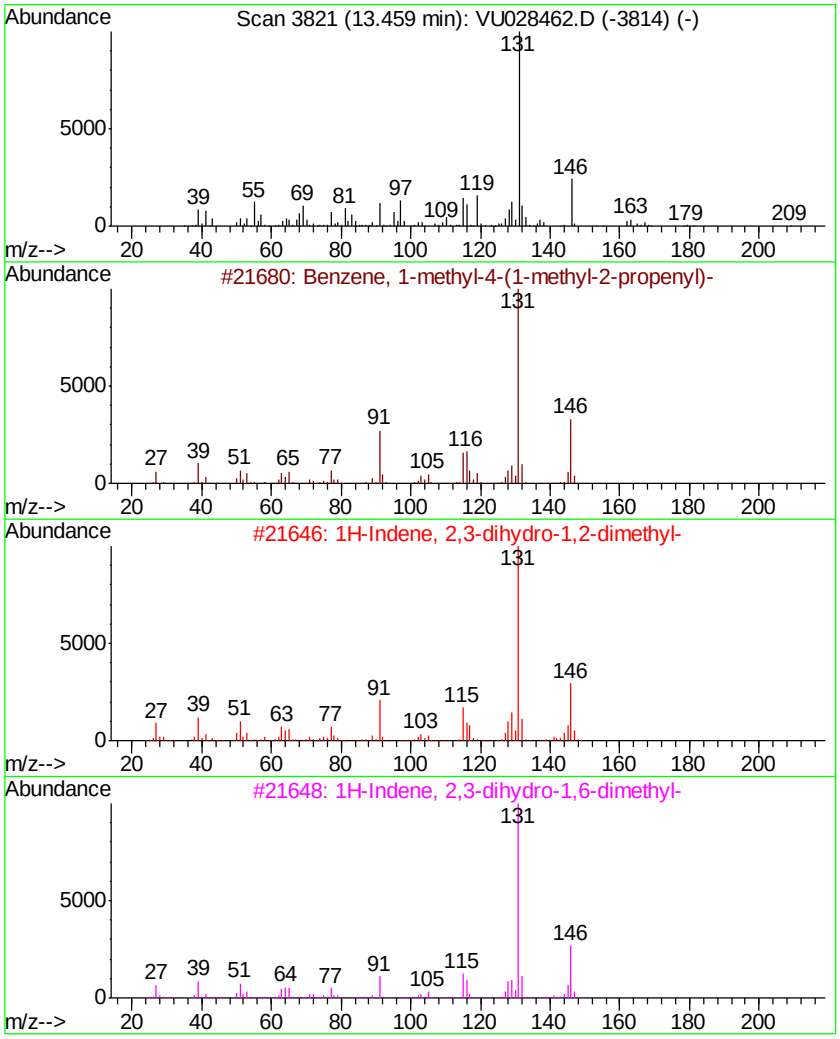
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

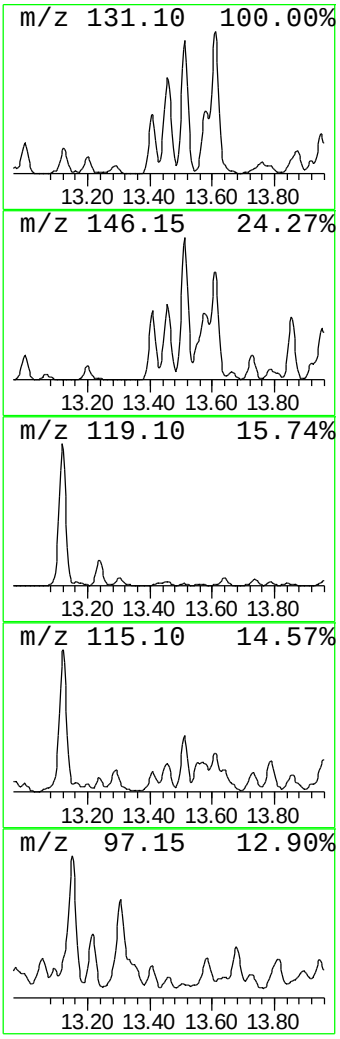
****

Peak Number 66 Benzene, 1-methyl-4-(1-meth... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	18.93 ug/L	602015	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	83
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

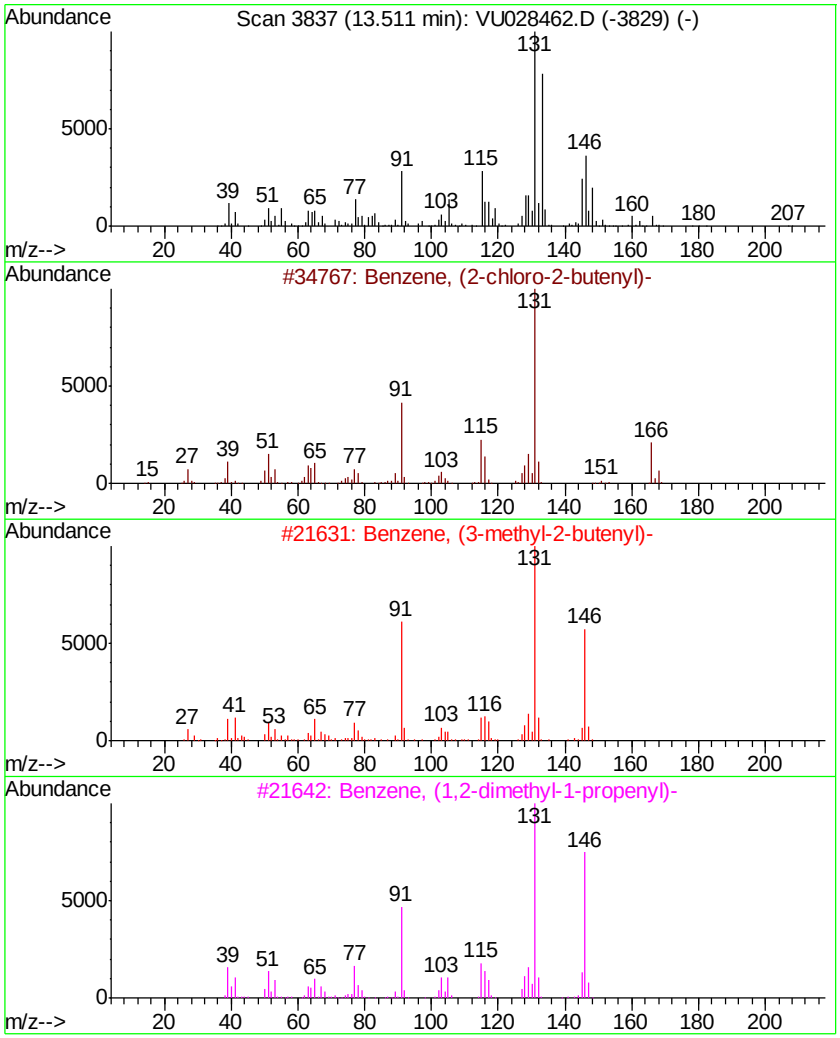
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

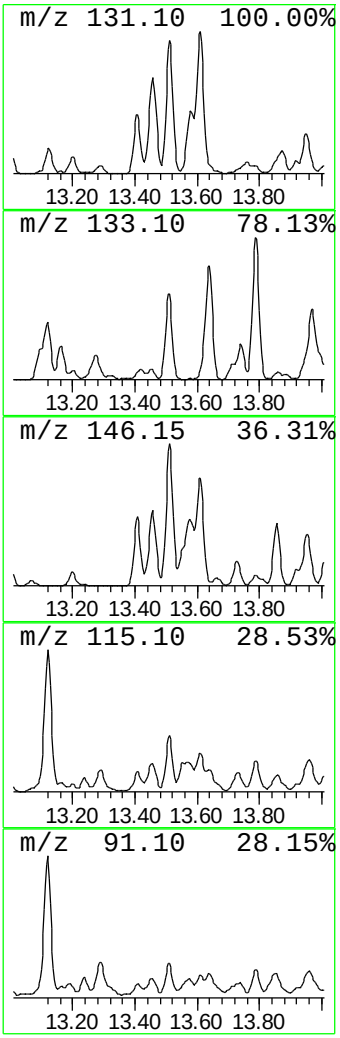
****

Peak Number 67 Benzene, (2-chloro-2-butenyl)- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	40.06 ug/L	1273980	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	84
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

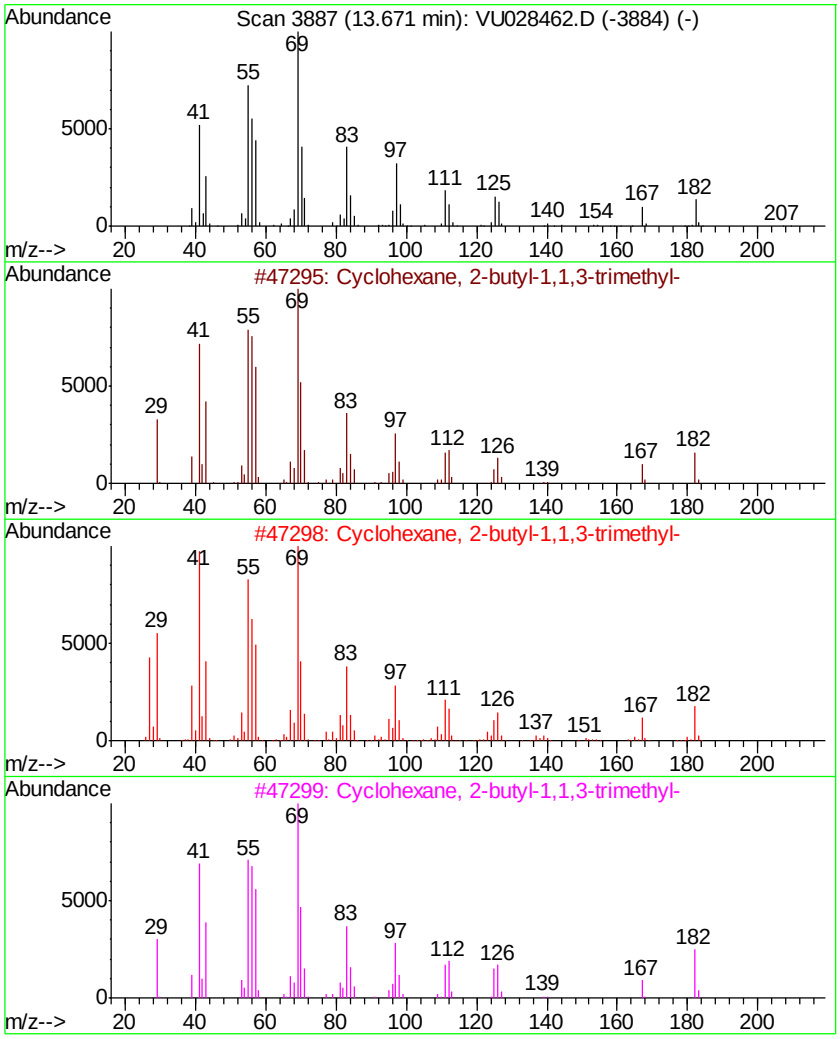
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

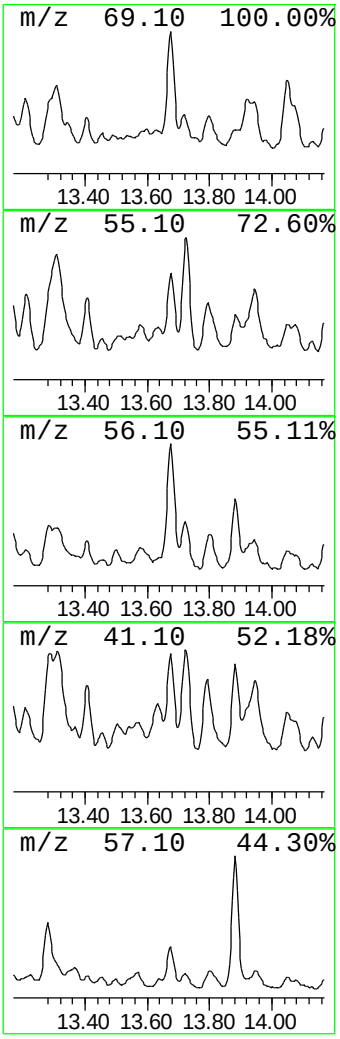
****

Peak Number 68 (DEL) Alkane: Cyclic13.67 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	26.56 ug/L	844527	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	94
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
3	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
4	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	58
5	6-Tridecene, (E)-	182	C13H26	006434-76-0	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

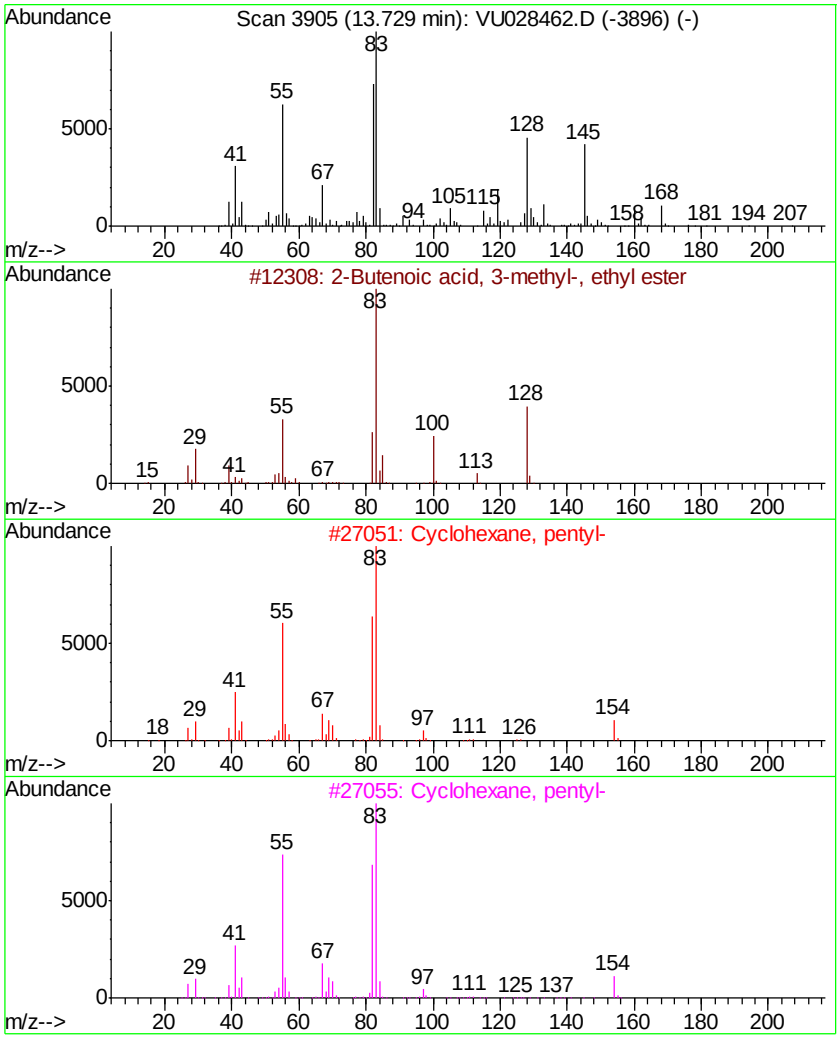
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

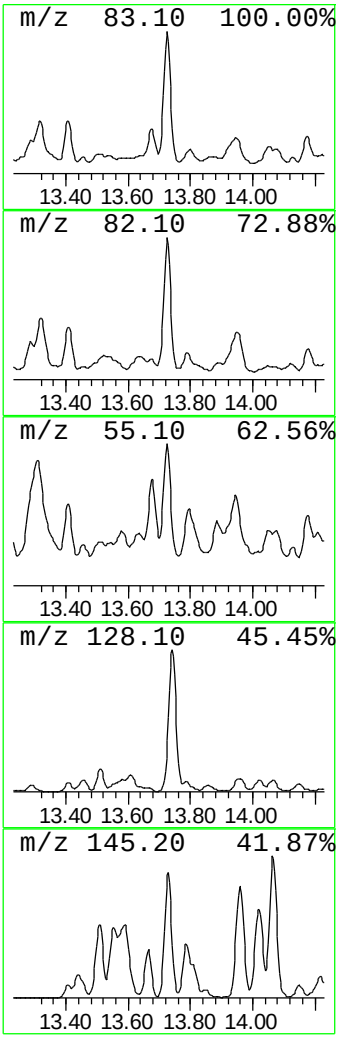
****

Peak Number 69 unknown-05 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	69.58 ug/L	2212670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 3-methyl-, ethy...	128	C7H12O2	000638-10-8	43
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	38
5	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

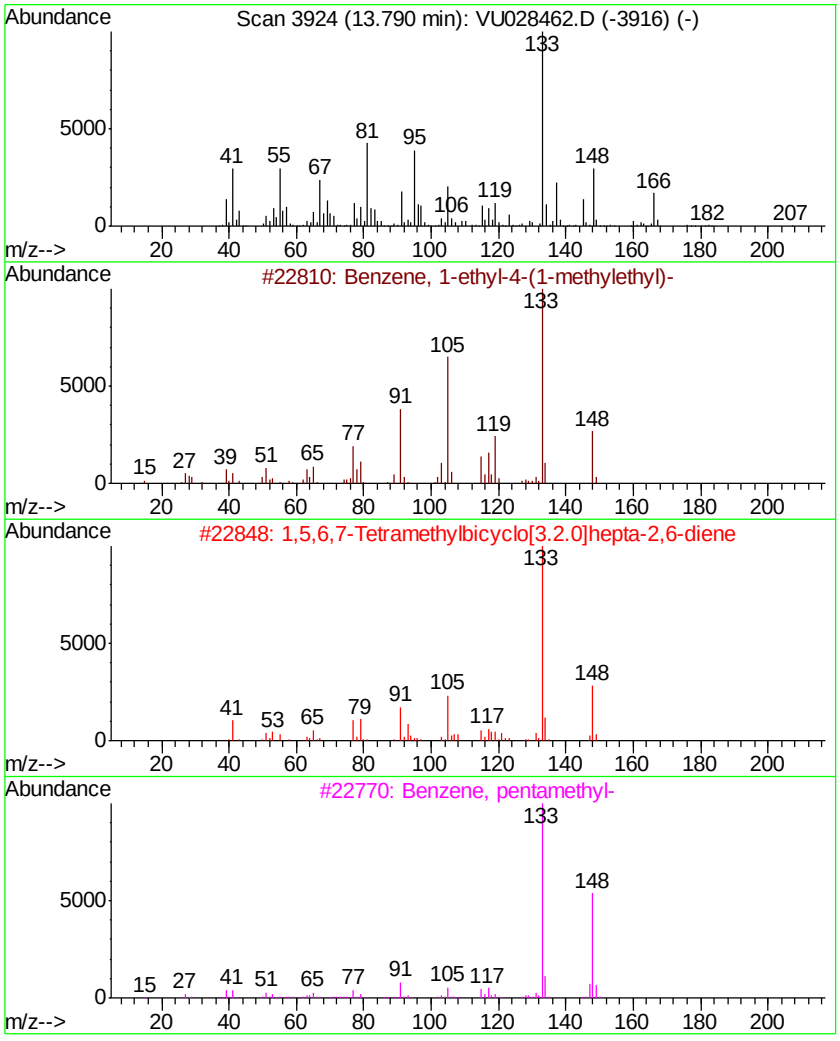
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

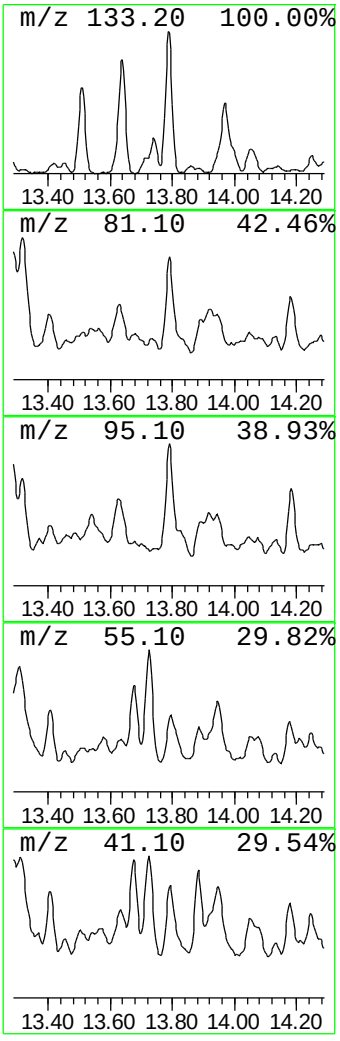
****

Peak Number 70 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	60.92 ug/L	1937180	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
2	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	60
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

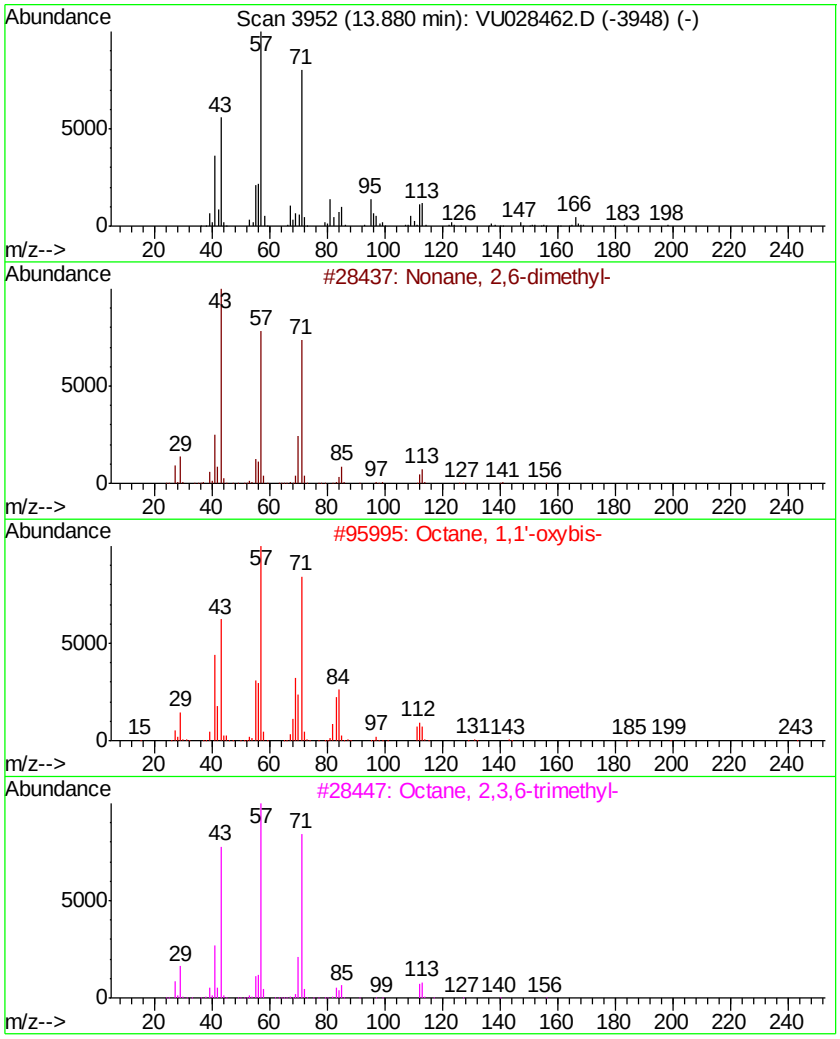
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

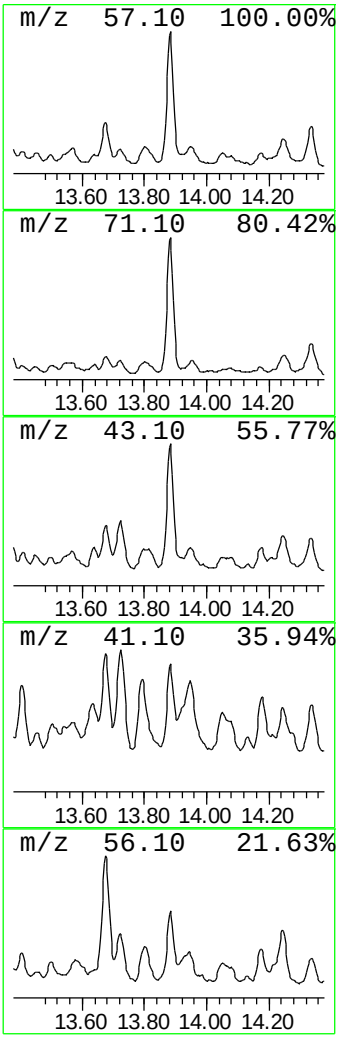
****

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	19.61 ug/L	623690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
2	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	64
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	64
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
5	Decane, 4-methyl-	156	C11H24	002847-72-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

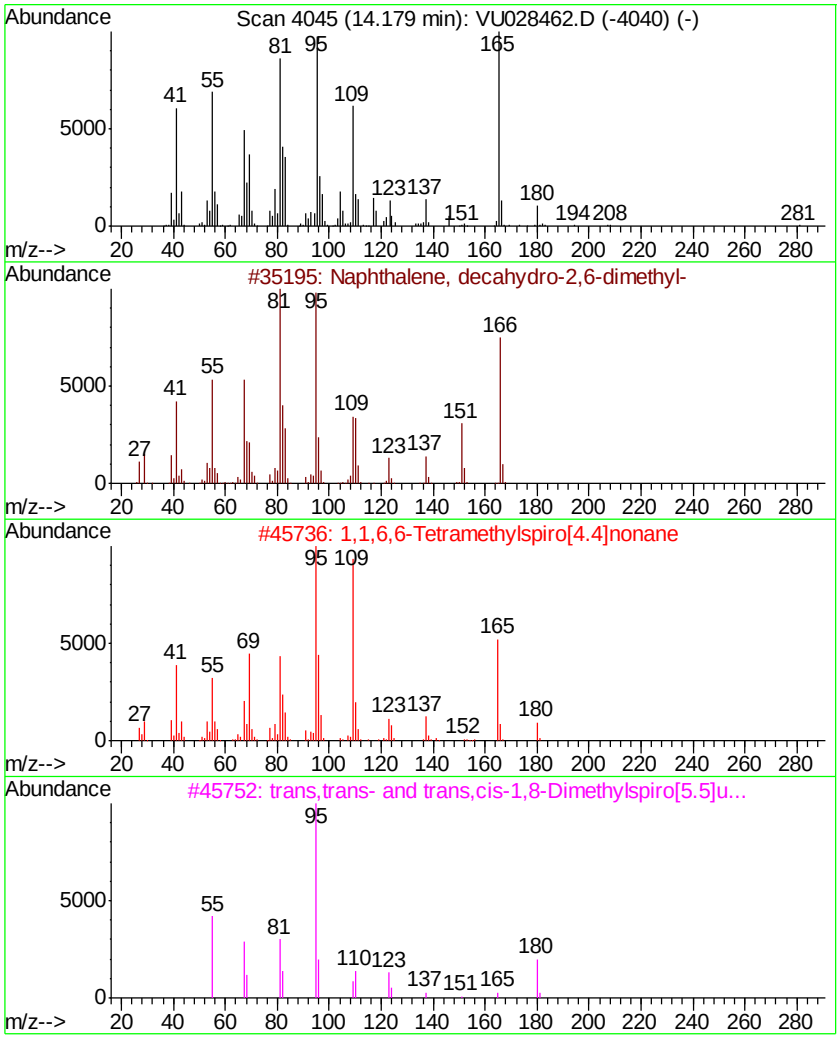
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

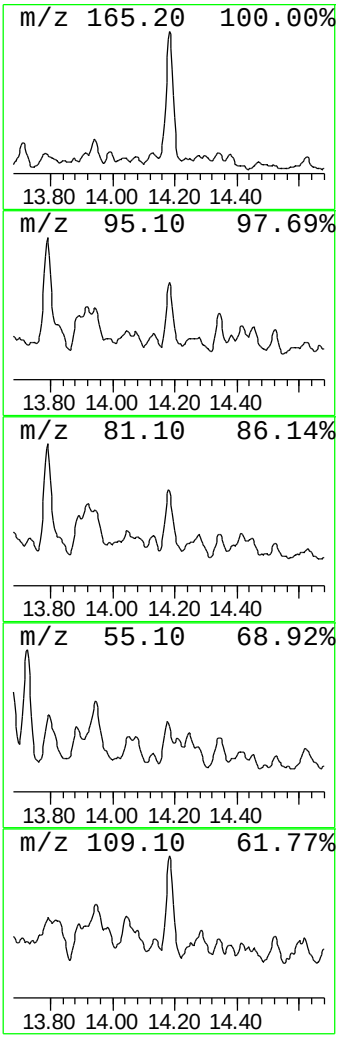
****

Peak Number 72 Naphthalene, decahydro-2,6-... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	18.17 ug/L	577699	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	70
2	1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	38
3	trans,trans- and trans,cis-1,8-D...	180	C13H24	1000111-73-2	38
4	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	35
5	Bicyclo[2.2.1]heptane, 2-hexyl-	180	C13H24	061141-60-4	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

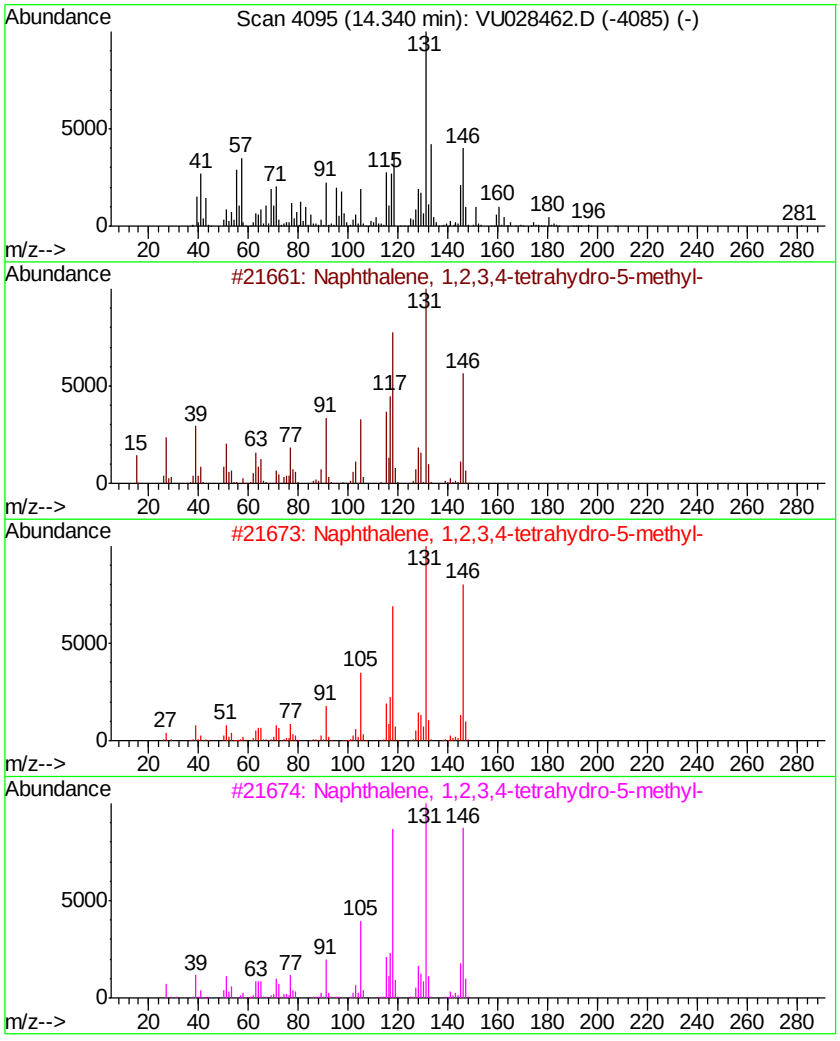
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

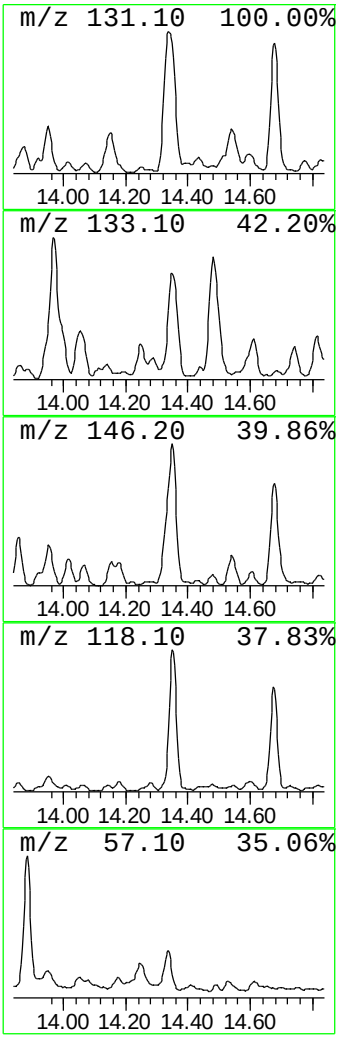
****

Peak Number 73 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	69.12 ug/L	2197900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	46
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

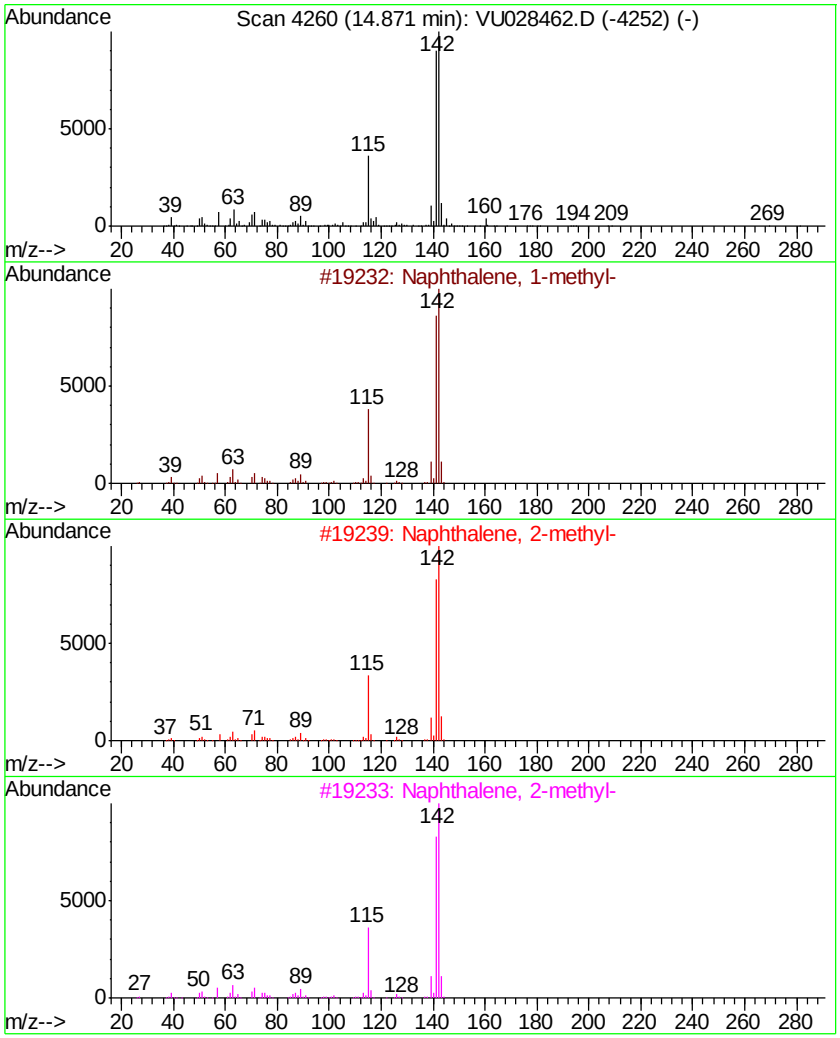
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

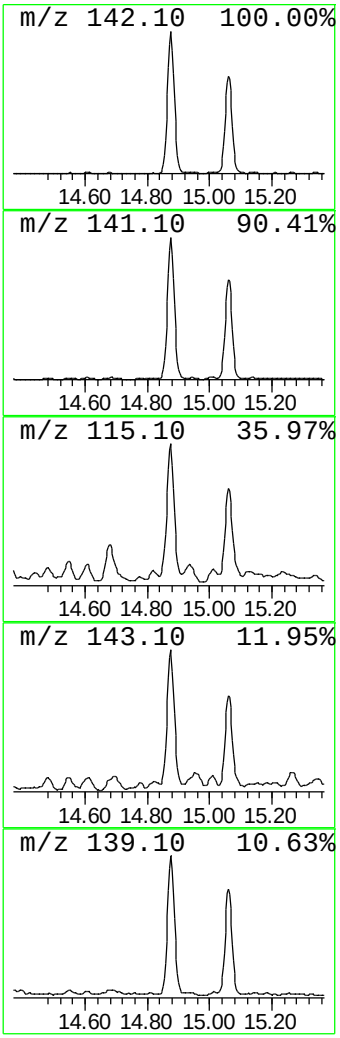
****

Peak Number 75 Naphthalene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	71.62 ug/L	2277530	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

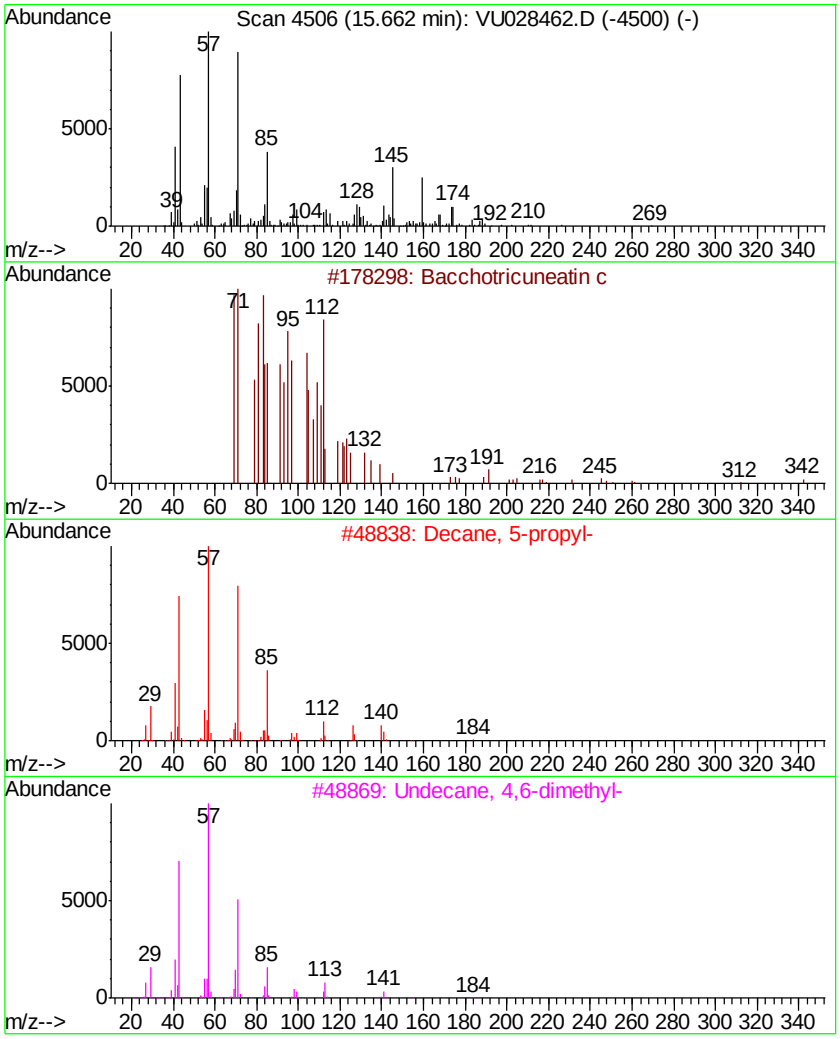
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

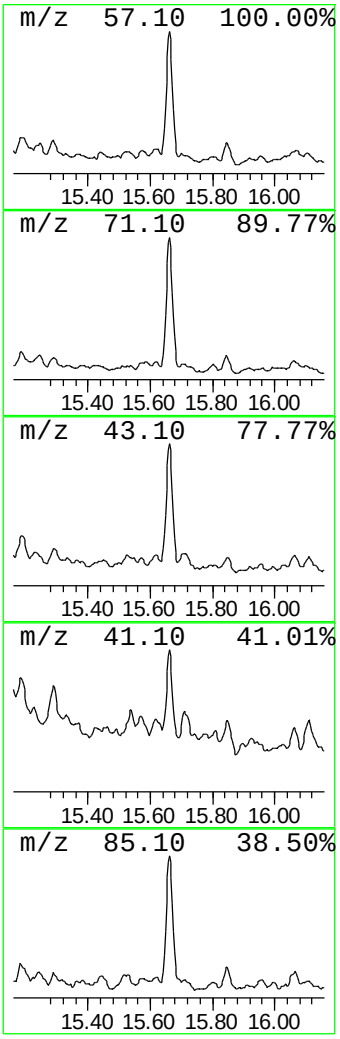
****

Peak Number 77 Bacchotricuneatin c Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	17.22 ug/L	547624	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	95
2	Decane, 5-propyl-	184	C13H28	017312-62-8	60
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	53
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

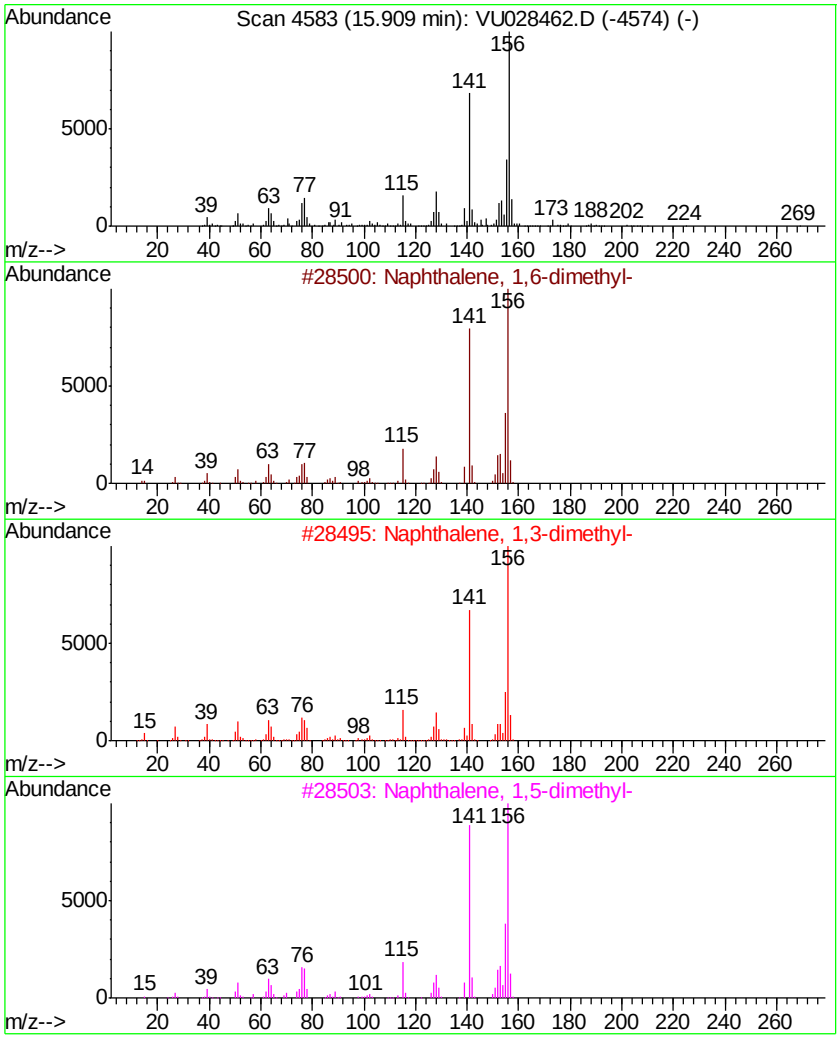
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

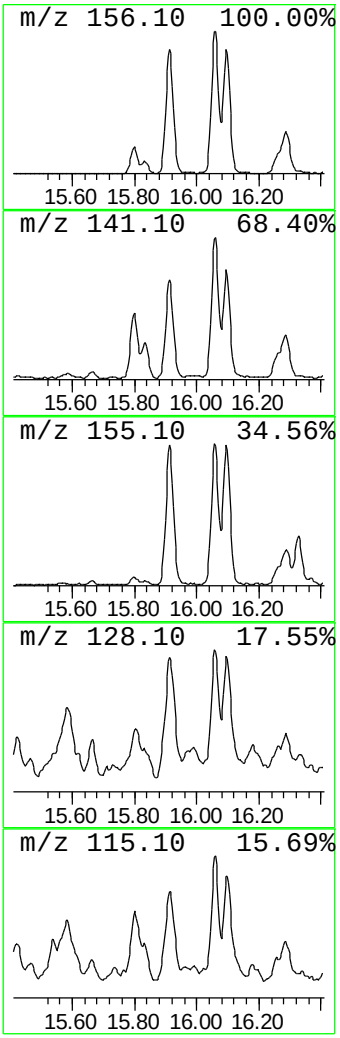
****

Peak Number 78 Naphthalene, 1,6-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	37.39 ug/L	1189020	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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

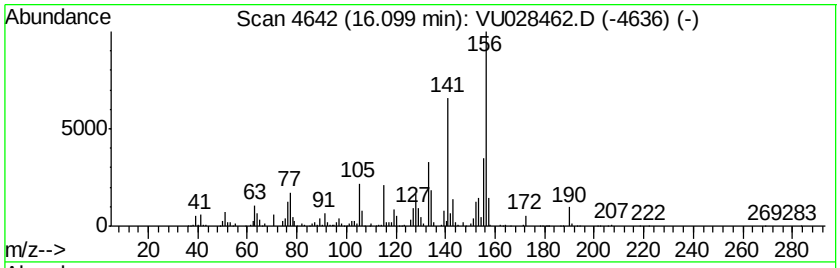
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

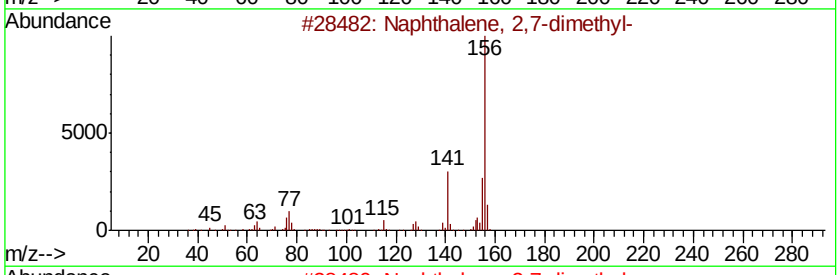
****

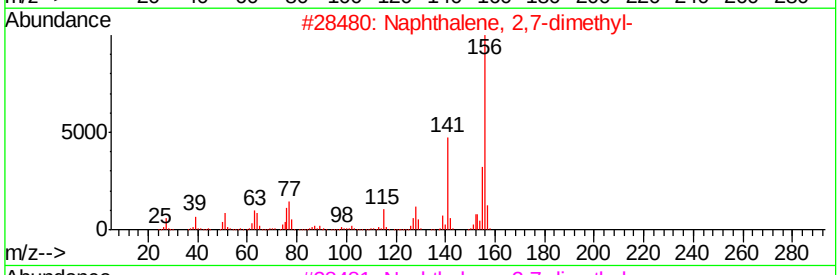
Peak Number 80 Naphthalene, 2,7-dimethyl- Concentration Rank 46

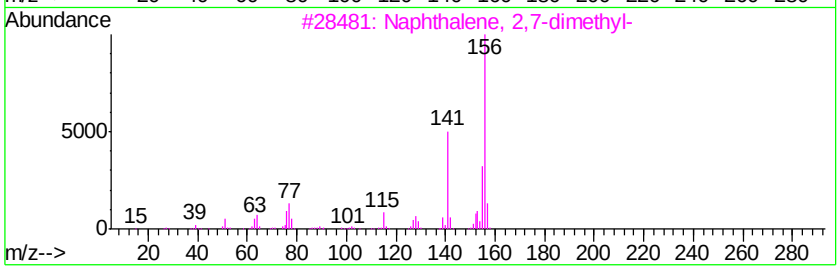
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	39.03 ug/L	1241290	1,4-Dichlorobenzene-d4	11.48

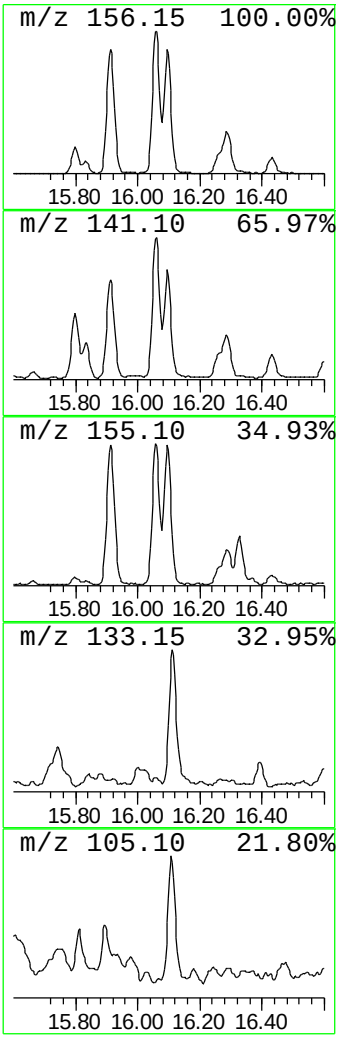
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95











Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14ME

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: Str...	2.96	33.7	ug/L	805303	1	5.88	1194000	50.0
(DEL) Alkane: Str...	5.06	29.6	ug/L	707513	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	5.24	33.0	ug/L	788088	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	5.47	108.5	ug/L	2591510	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	5.54	89.9	ug/L	2147480	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	5.61	164.6	ug/L	3929510	1	5.88	1194000	50.0
(DEL) Alkane: Str...	6.52	20.0	ug/L	476819	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	6.73	93.7	ug/L	2237040	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	6.90	116.2	ug/L	2775480	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	7.10	20.2	ug/L	481967	1	5.88	1194000	50.0
(DEL) Alkane: Str...	7.14	16.2	ug/L	386942	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	7.25	42.7	ug/L	1020330	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	7.37	17.2	ug/L	410636	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	7.43	27.7	ug/L	661622	1	5.88	1194000	50.0
(DEL) Alkane: Cyc...	7.70	43.4	ug/L	1225640	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	7.77	56.3	ug/L	1590240	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	7.91	132.1	ug/L	3733900	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	8.04	38.2	ug/L	1079840	2	9.09	1412850	50.0
(DEL) Alkane: Str...	8.22	23.1	ug/L	653017	2	9.09	1412850	50.0
(DEL) Alkane: Str...	8.45	29.1	ug/L	822508	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	8.54	106.2	ug/L	2999960	2	9.09	1412850	50.0
(DEL) Alkane: Str...	8.60	160.2	ug/L	4527490	2	9.09	1412850	50.0
(DEL) Alkane: Str...	8.76	53.2	ug/L	1503110	2	9.09	1412850	50.0
(DEL) Alkane: Str...	8.81	34.0	ug/L	961939	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	8.85	102.6	ug/L	2899970	2	9.09	1412850	50.0
(DEL) Alkane: Str...	9.02	25.5	ug/L	720732	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.24	40.9	ug/L	1156280	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.35	81.5	ug/L	2302510	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.40	80.9	ug/L	2286720	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.44	69.8	ug/L	1972230	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.56	47.3	ug/L	1336720	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.72	120.5	ug/L	3404070	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	9.82	31.9	ug/L	900468	2	9.09	1412850	50.0
(DEL) Alkane: Str...	9.95	275.1	ug/L	7774530	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	10.04	170.7	ug/L	4824600	2	9.09	1412850	50.0
(DEL) Alkane: Str...	10.09	154.8	ug/L	4373060	2	9.09	1412850	50.0
(DEL) Alkane: Cyc...	10.22	31.0	ug/L	875607	2	9.09	1412850	50.0
(DEL) Alkane: Str...	10.25	39.9	ug/L	1127670	2	9.09	1412850	50.0
4,5-Nonadiene	10.38	28.9	ug/L	920573	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	10.49	145.0	ug/L	4611820	3	11.48	1589970	50.0
unknown-01	10.63	54.3	ug/L	1726460	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	10.70	50.6	ug/L	1610520	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	10.75	111.4	ug/L	3543160	3	11.48	1589970	50.0
unknown-02	10.81	59.9	ug/L	1904500	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	10.86	15.7	ug/L	500402	3	11.48	1589970	50.0
unknown-03	10.97	23.3	ug/L	741446	3	11.48	1589970	50.0
(DEL) Alkane: Str...	11.07	20.5	ug/L	652660	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	11.14	61.4	ug/L	1950860	3	11.48	1589970	50.0
(DEL) Alkane: Str...	11.27	33.8	ug/L	1074380	3	11.48	1589970	50.0

(DEL) Alkane: Str...	11.33	66.3	ug/L	2109120	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	11.40	61.6	ug/L	1959080	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	11.66	34.5	ug/L	1096870	3	11.48	1589970	50.0
Benzene, 1,2-diet...	11.78	43.9	ug/L	1395600	3	11.48	1589970	50.0
unknown-04	12.07	90.6	ug/L	2880750	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	12.18	63.5	ug/L	2020030	3	11.48	1589970	50.0
Indan, 1-methyl-	12.36	62.1	ug/L	1974490	3	11.48	1589970	50.0
Bicyclo[2.2.1]hep...	12.44	30.6	ug/L	973095	3	11.48	1589970	50.0
Naphthalene, deca...	12.51	116.5	ug/L	3705110	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	12.61	112.6	ug/L	3579150	3	11.48	1589970	50.0
1-Methyldecahydro...	12.72	78.2	ug/L	2487180	3	11.48	1589970	50.0
Benzene, 1-methyl...	12.79	27.6	ug/L	876025	3	11.48	1589970	50.0
3,4-Dimethylcumene	12.88	34.9	ug/L	1110150	3	11.48	1589970	50.0
Benzene, 1,2,4,5-...	13.12	225.9	ug/L	7184150	3	11.48	1589970	50.0
Benzene, (1-methy...	13.41	28.2	ug/L	895829	3	11.48	1589970	50.0
Benzene, 1-methyl...	13.46	18.9	ug/L	602015	3	11.48	1589970	50.0
Benzene, (2-chlor...	13.51	40.1	ug/L	1273980	3	11.48	1589970	50.0
(DEL) Alkane: Cyc...	13.67	26.6	ug/L	844527	3	11.48	1589970	50.0
unknown-05	13.73	69.6	ug/L	2212670	3	11.48	1589970	50.0
Benzene, 1-ethyl-...	13.79	60.9	ug/L	1937180	3	11.48	1589970	50.0
(DEL) Alkane: Str...	13.88	19.6	ug/L	623690	3	11.48	1589970	50.0
Naphthalene, deca...	14.18	18.2	ug/L	577699	3	11.48	1589970	50.0
Naphthalene, 1,2,...	14.34	69.1	ug/L	2197900	3	11.48	1589970	50.0
Naphthalene, 1-me...	14.87	71.6	ug/L	2277530	3	11.48	1589970	50.0
Bacchotricuneatin c	15.66	17.2	ug/L	547624	3	11.48	1589970	50.0
Naphthalene, 1,6-...	15.91	37.4	ug/L	1189020	3	11.48	1589970	50.0
Naphthalene, 2,7-...	16.10	39.0	ug/L	1241290	3	11.48	1589970	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9Y14ME