LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.395	61	69	88	rBV	263638	299831	4.83%	0.267%
2	1.640	105	145	155	rBV	316226	787025	12.68%	0.701%
3	1.698	157	163	172	rVB	196751	236048	3.80%	0.210%
4	2.241	320	332	359	rVB	455756	764865	12.32%	0.681%
5	2.675	444	467	491	rBV	92426	234145	3.77%	0.208%
6	2.968	540	558	579	rBV2	530054	1122592	18.08%	0.999%
7	4.189	922	938	987	rBV	165895	602998	9.71%	0.537%
8	4.640	1059	1078	1096	rBV	329913	834569	13.44%	0.743%
9	4.980	1165	1184	1198	rBV	549017	1332138	21.46%	1.186%
10	5.067	1198	1211	1231	rVV2	247395	606380	9.77%	0.540%
11	5.244	1239	1266	1276	rBV	295072	777033	12.52%	0.692%
12	5.328	1276	1292	1317	rVV2	762935	2175908	35.05%	1.937%
13	5.469	1319	1336	1348	rVV3	940167	2111933	34.02%	1.880%
14	5.543	1348	1359	1369	rVV	776157	1696812	27.34%	1.511%
15	5.611	1369	1380	1408	rVB	1256608	2790382	44.95%	2.484%
16	5.881	1449	1464	1487	rBV	791867	1643762	26.48%	1.463%
17	6.328	1589	1603	1611	rVV	486866	1000082	16.11%	0.890%
18	6.405	1611	1627	1641	rVV3	2466982	6207465	100.00%	5.527%
19	6.527	1655	1665	1679	rVB	140686	269077	4.33%	0.240%
20	6.733	1711	1729	1746	rBV	679757	1364246	21.98%	1.215%
21	6.897	1762	1780	1800	rVB	849820	1675376	26.99%	1.492%
22	7.228	1870	1883	1898	rBV2	311333	894738	14.41%	0.797%
23	7.430	1935	1946	1960	rVB5	152324	374072	6.03%	0.333%
24	7.524	1960	1975	1981	rBV2	1284432	2475682	39.88%	2.204%
25	7.559	1981	1986	2014	rVB3	1395146	2444310	39.38%	2.176%
26	7.697	2016	2029	2037	rBV4	311046	657897	10.60%	0.586%
27	7.771	2045	2052	2065	rVB	470602	832477	13.41%	0.741%
28	7.848	2065	2076	2085	rBV	238394	441879	7.12%	0.393%
29	7.913	2085	2096	2115	rVB	1113278	2039179	32.85%	1.815%
30	8.041	2117	2136	2146	rBV	304904	587783	9.47%	0.523%
31	8.221	2181	2192	2204	rVB3	178955	309055	4.98%	0.275%
32	8.324	2205	2224	2235	rBV2	1385159	2592491	41.76%	2.308%
33	8.453	2249	2264	2267	rBV	202353	327979	5.28%	0.292%
34	8.482	2269	2273	2281	rVB3	192777	272180	4.38%	0.242%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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	8.543	2281	2292	2301	rVB	931585	1527625	24.61%	1.360%
36	8.604	2301	2311	2321	rBV	1265444	2273408	36.62%	2.024%
37	8.755	2346	2358	2367	rBV	396437	711669	11.46%	0.634%
38	8.813	2367	2376	2379	rVV	319260	477905	7.70%	0.425%
39	8.845	2380	2386	2414	rVB3	620889	1331325	21.45%	1.185%
40	9.022	2433	2441	2452	rVV	190843	349104	5.62%	0.311%
41	9.089	2452	2462	2475	rVV	1197344	2108333	33.96%	1.877%
42	9.186	2476	2492	2500	rVV2	231384	661572	10.66%	0.589%
43	9.241	2500	2509	2525	rVV4	294805	624751	10.06%	0.556%
44	9.347	2525	2542	2550	rVV5	458189	1128171	18.17%	1.004%
45	9.401	2551	2559	2566	rVV2	626885	1163775	18.75%	1.036%
46	9.443	2566	2572	2598	rVB	391389	891740	14.37%	0.794%
47	9.562	2598	2609	2622	rBV3	333979	619298	9.98%	0.551%
48	9.716	2642	2657	2676	rBV4	640489	1515455	24.41%	1.349%
49	9.816	2678	2688	2697	rBV7	213682	408677	6.58%	0.364%
50	9.951	2711	2730	2739	rBV3	1813362	3397757	54.74%	3.025%
51	10.041	2750	2758	2765	rBV	792531	1240145	19.98%	1.104%
52	10.089	2766	2773	2784	rVB	1009696	1666611	26.85%	1.484%
53	10.160	2785	2795	2805	rVB5	290195	545941	8.79%	0.486%
54	10.221	2805	2814	2818	rBV5	229256	365183	5.88%	0.325%
55	10.253	2819	2824	2835	rVB3	327368	494454	7.97%	0.440%
56	10.376	2853	2862	2870	rBV2	265227	414462	6.68%	0.369%
57	10.437	2870	2881	2888	rVV	820484	1445931	23.29%	1.287%
58	10.488	2889	2897	2915	rVB4	1040256	1911748	30.80%	1.702%
59	10.588	2922	2928	2934	rBV	153945	211777	3.41%	0.189%
60	10.633	2934	2942	2954	rVV4	303220	708842	11.42%	0.631%
61	10.700	2956	2963	2970	rVV5	358529	676096	10.89%	0.602%
62	10.749	2970	2978	2989	rVV2	826428	1524352	24.56%	1.357%
63	10.810	2991	2997	3007	rVV7	335472	713347	11.49%	0.635%
64	10.861	3009	3013	3022	rVB3	155804	215721	3.48%	0.192%
65	10.974	3041	3048	3053	rBV3	151441	273505	4.41%	0.244%
66	11.070	3070	3078	3084	rBV6	170692	257836	4.15%	0.230%
67	11.115	3084	3092	3098	rBV	739136	1128619	18.18%	1.005%
68	11.273	3128	3141	3145	rBV6	226821	450381	7.26%	0.401%
69	11.334	3153	3160	3170	rVB6	551368	974827	15.70%	0.868%
70	11.395	3171	3179	3187	rBV2	694746	1036405	16.70%	0.923%
71	11.440	3188	3193	3199	rVB5	209515	245375	3.95%	0.218%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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	11.485	3199	3207	3217	rBV	1413833	2104279	33.90%	1.873%
73	11.665	3256	3263	3271	rVB2	319096	451442	7.27%	0.402%
74	11.777	3288	3298	3309	rBV7	303250	683326	11.01%	0.608%
75	11.861	3314	3324	3342	rVB2	1781992	3633162	58.53%	3.235%
76	12.183	3414	3424	3432	rBV4	448990	877740	14.14%	0.781%
77	12.359	3470	3479	3497	rBV6	647346	1577932	25.42%	1.405%
78	12.443	3499	3505	3513	rVB4	300603	441531	7.11%	0.393%
79	12.511	3519	3526	3545	rVB4	842102	1729788	27.87%	1.540%
80	12.610	3547	3557	3564	rBV	1162623	1966052	31.67%	1.750%
81	12.723	3583	3592	3603	rVB3	692543	1159961	18.69%	1.033%
82	12.787	3605	3612	3623	rVV4	287011	486300	7.83%	0.433%
83	12.880	3635	3641	3649	rBV3	282046	493517	7.95%	0.439%
84	13.121	3707	3716	3736	rVB3	1759467	3423512	55.15%	3.048%
85	13.282	3758	3766	3774	rBV3	804903	1602275	25.81%	1.427%
86	13.408	3798	3805	3812	rBV3	377294	525119	8.46%	0.468%
87	13.456	3815	3820	3827	rVB4	291964	396827	6.39%	0.353%
88	13.511	3829	3837	3844	rBV2	547202	850583	13.70%	0.757%
89	13.726	3896	3904	3915	rVB7	689389	1369272	22.06%	1.219%
90	13.790	3916	3924	3935	rBV4	711956	1224325	19.72%	1.090%
91	14.347	4085	4097	4108	rBV5	789720	1682373	27.10%	1.498%
92	14.678	4194	4200	4219	rVB4	465482	886225	14.28%	0.789%
93	14.874	4252	4261	4273	rBV3	672303	1389636	22.39%	1.237%
94	15.009	4298	4303	4308	rBV3	200162	276295	4.45%	0.246%
95	15.539	4462	4468	4474	rBV	251207	358233	5.77%	0.319%
96	15.662	4502	4506	4515	rVB6	265418	383834	6.18%	0.342%
97	15.916	4574	4585	4597	rBV4	507247	1138874	18.35%	1.014%
98	16.060	4623	4630	4636	rBV	590980	856902	13.80%	0.763%
99	16.102	4637	4643	4659	rVB7	639114	1324873	21.34%	1.180%
100	17.166	4968	4974	4985	rVB	364682	552172	8.90%	0.492%

Sum of corrected areas: 112320872

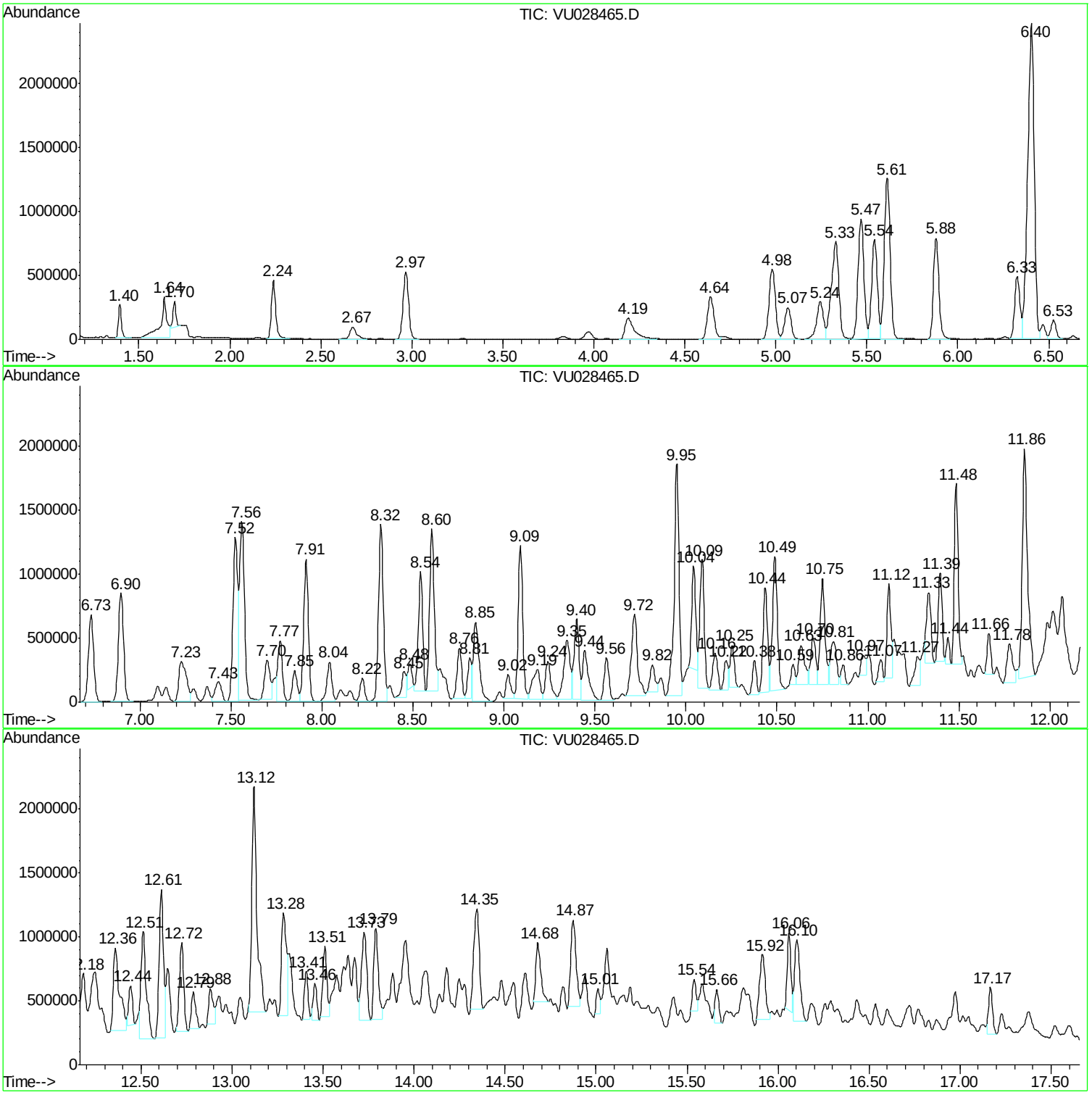
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

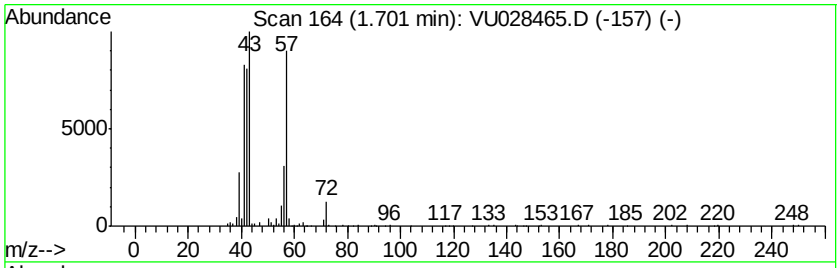
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

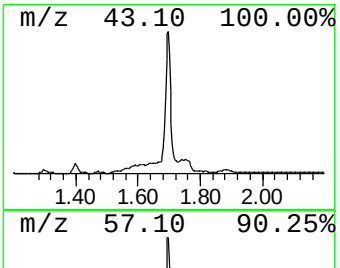
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	7.18 ug/L	236048	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	83
3	Butane, 2-methyl-	72	C5H12	000078-78-4	74
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	47
5	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

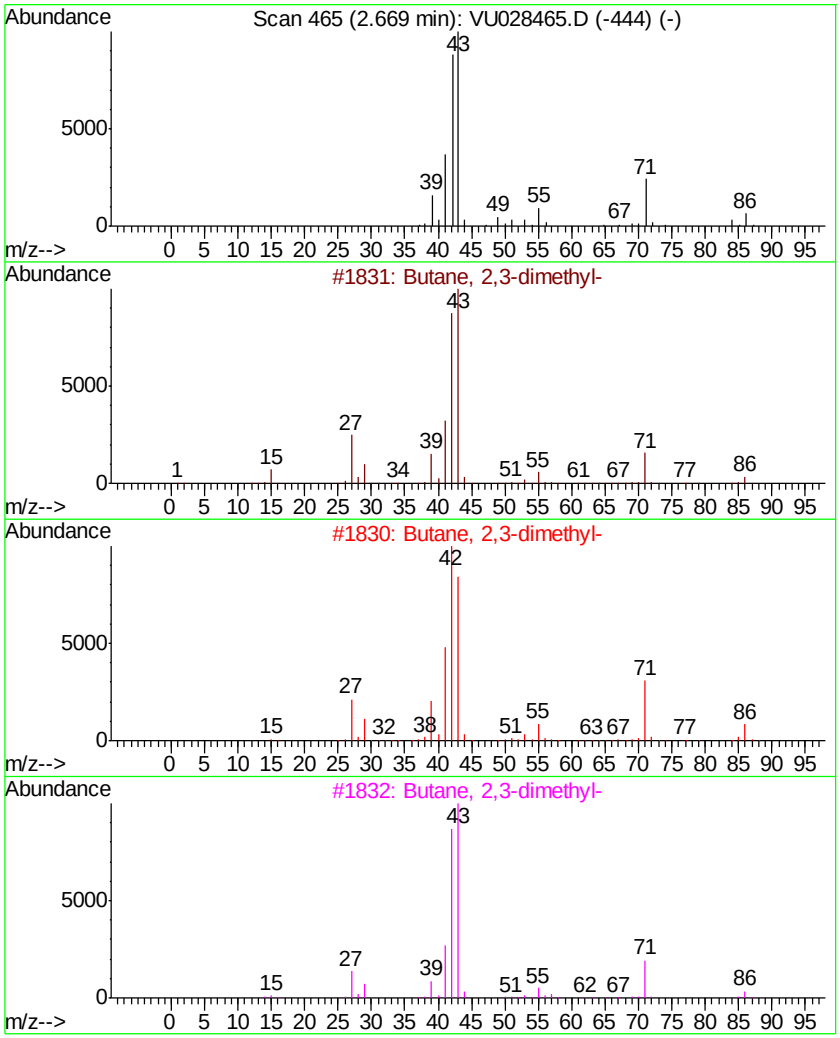
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

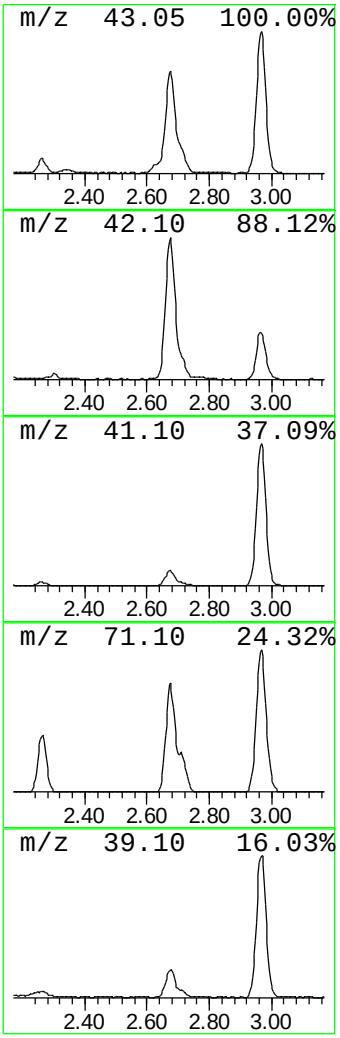
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.67	7.12 ug/L	234145	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	74
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

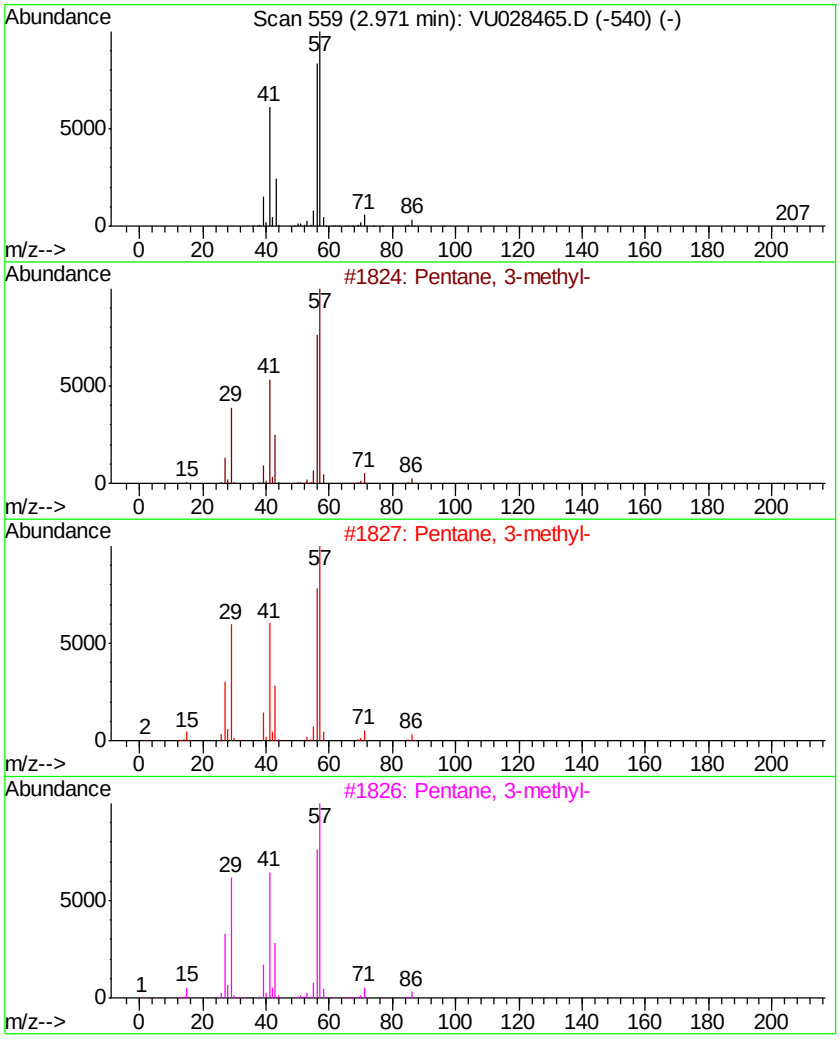
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

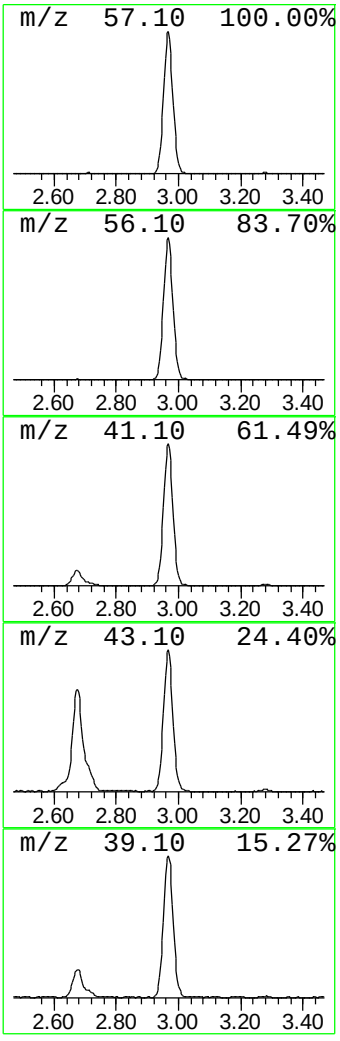
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	34.15 ug/L	1122590	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	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

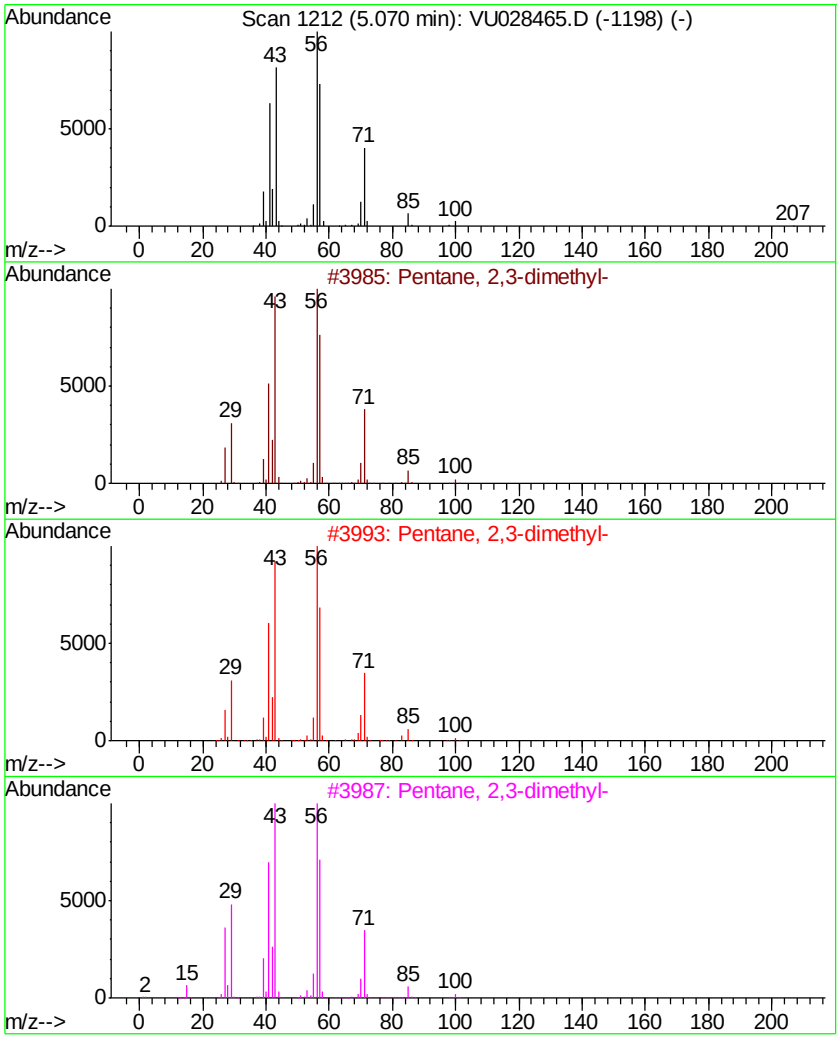
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

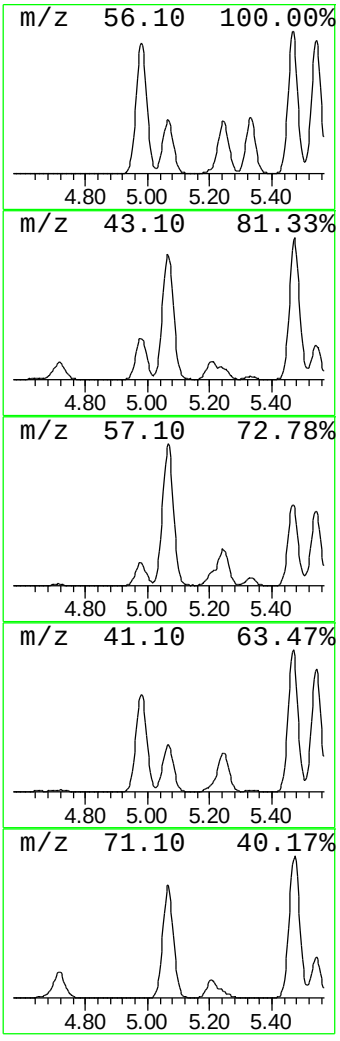
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	18.44 ug/L	606380	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
5	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

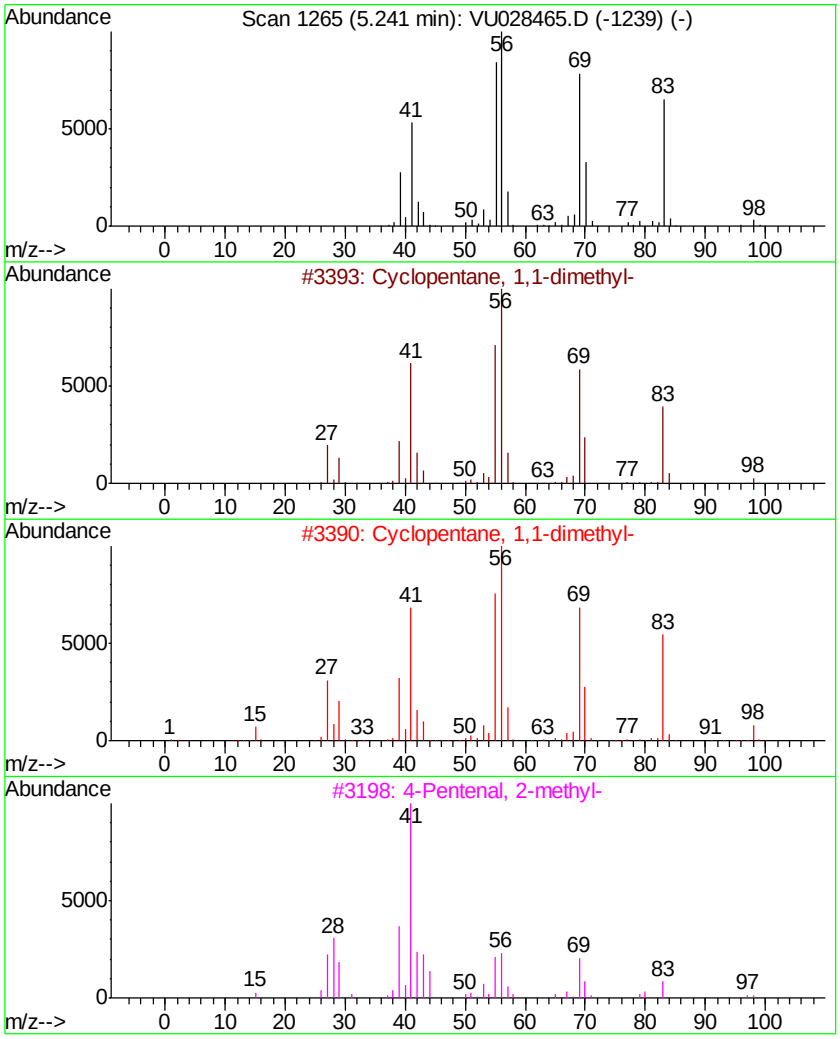
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

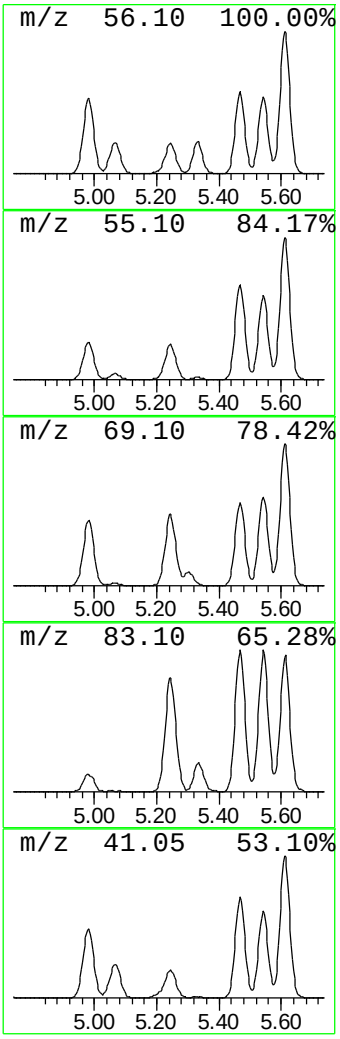
****

Peak Number 5 (DEL) Alkane: Cyclic5.24 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	23.64 ug/L	777033	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	91
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
3	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	72
4	3-Heptene	98	C7H14	000592-78-9	59
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

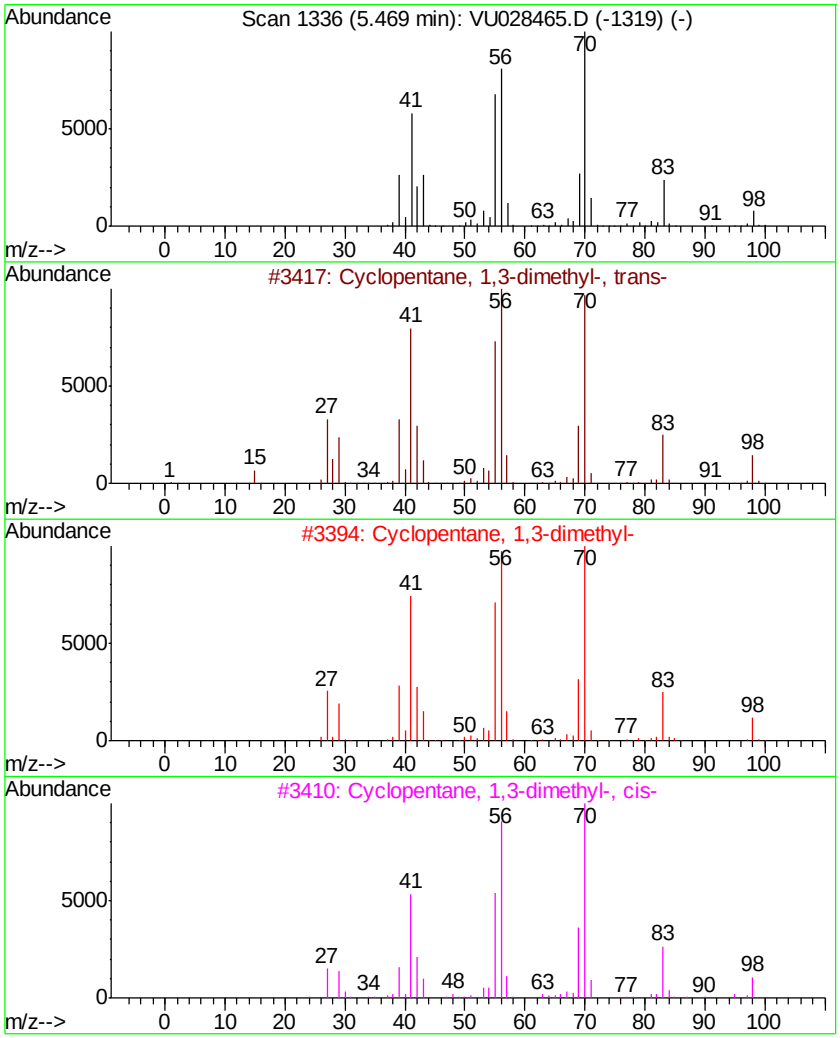
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

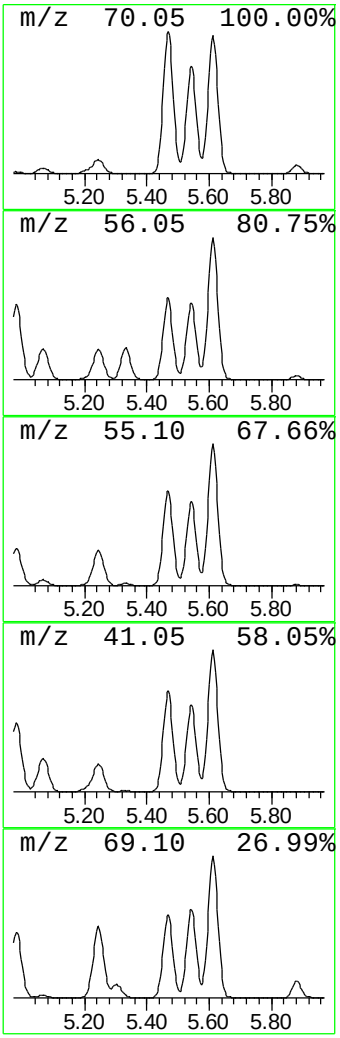
****

Peak Number 6 (DEL) Alkane: Cyclic5.47 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	64.24 ug/L	2111930	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	64





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Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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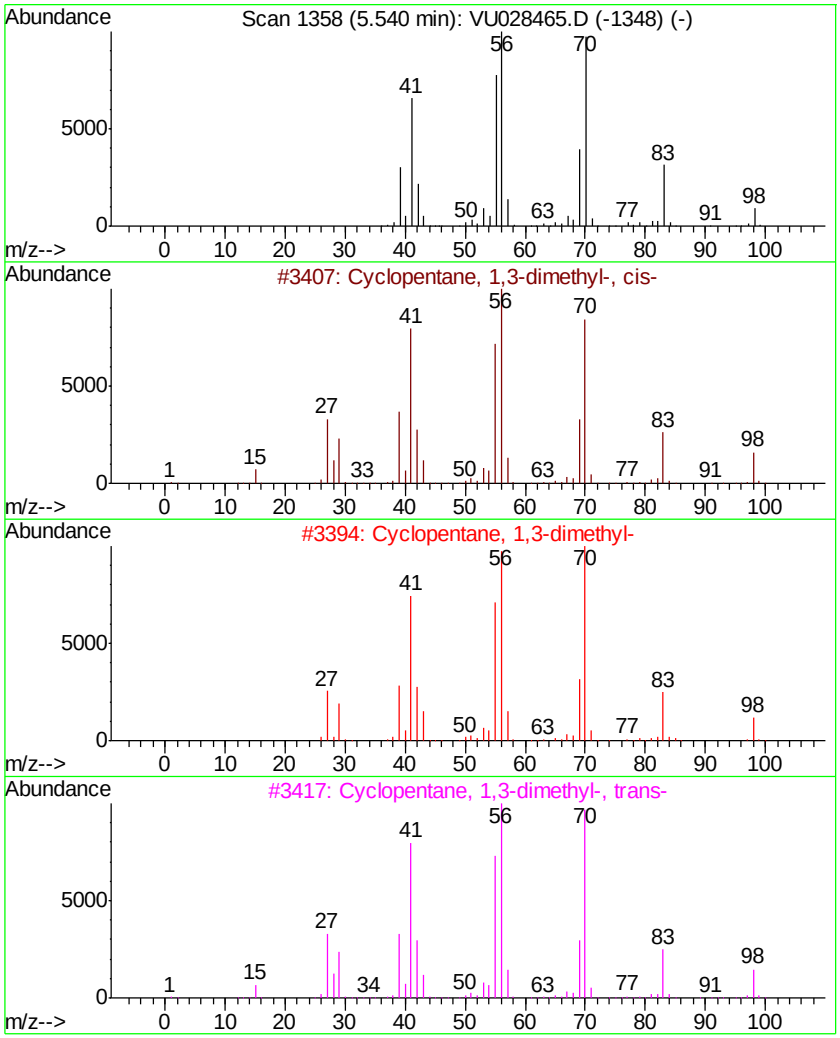
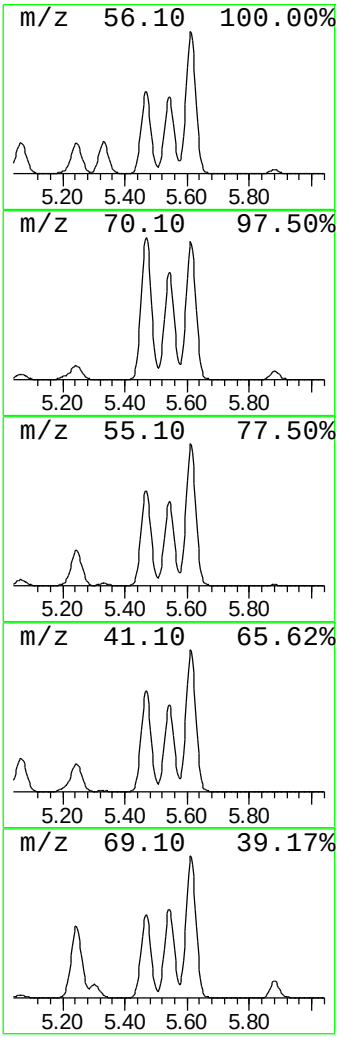
Peak Number 7 (DEL) Alkane: Cyclic5.54 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	51.61 ug/L	1696810	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	95
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

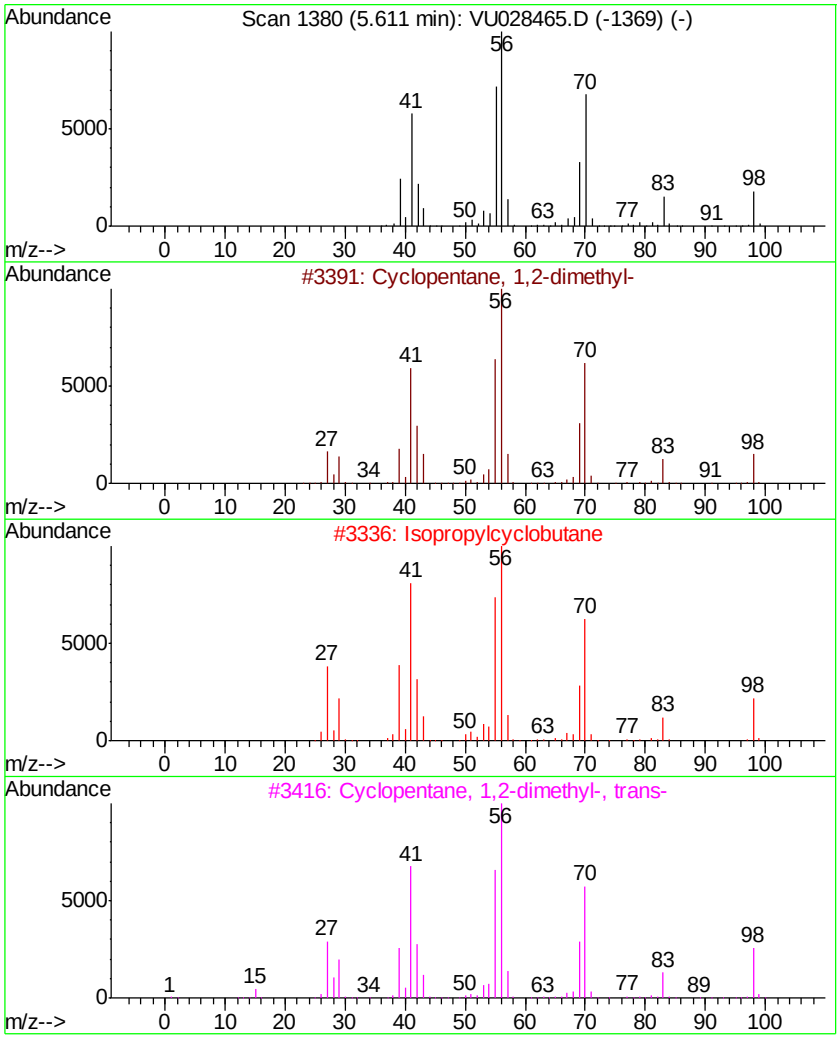
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

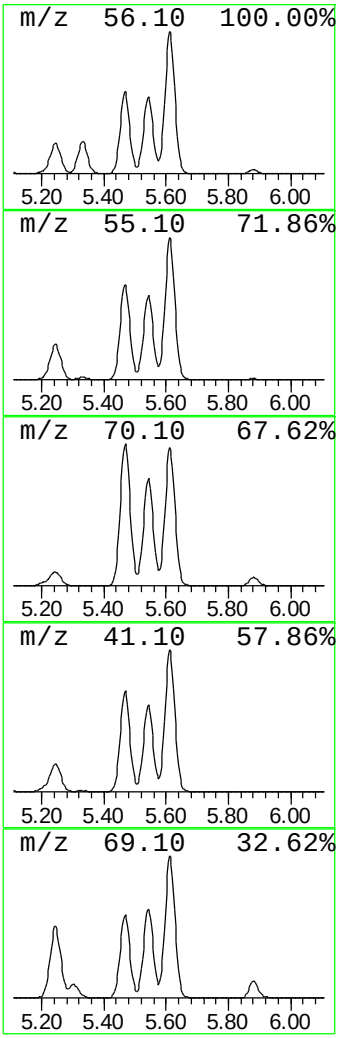
****

Peak Number 8 (DEL) Alkane: Cyclic5.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	84.88 ug/L	2790380	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	95
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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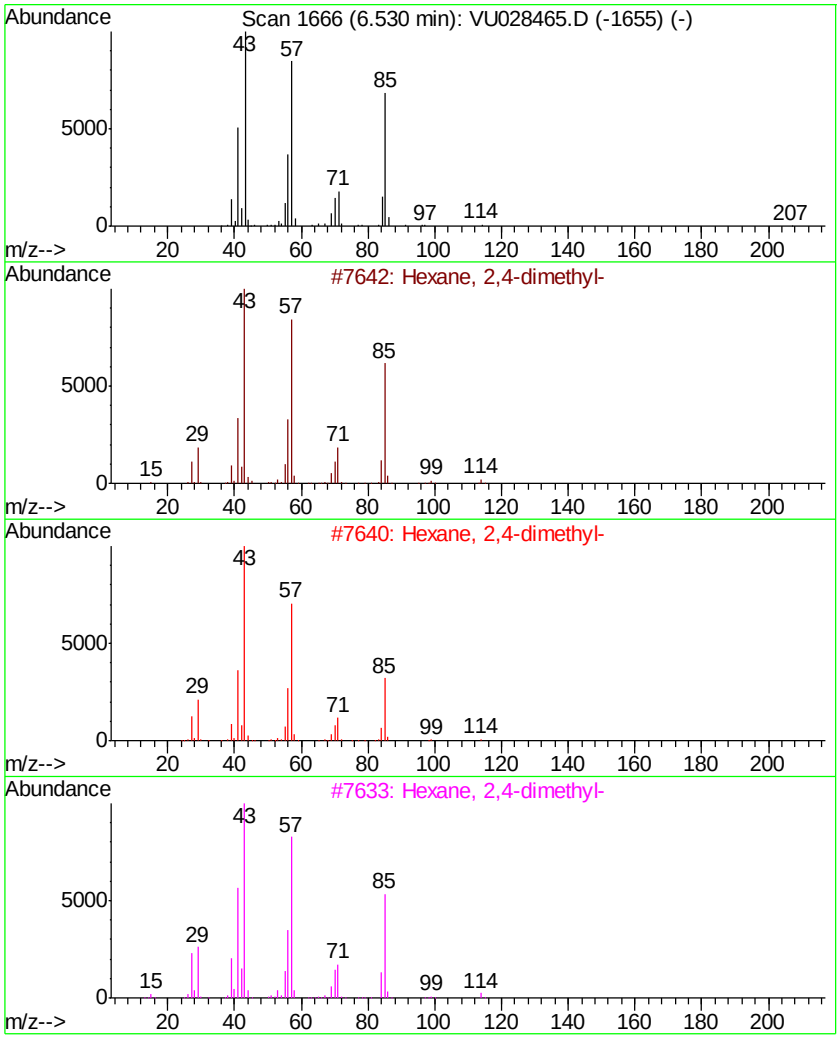
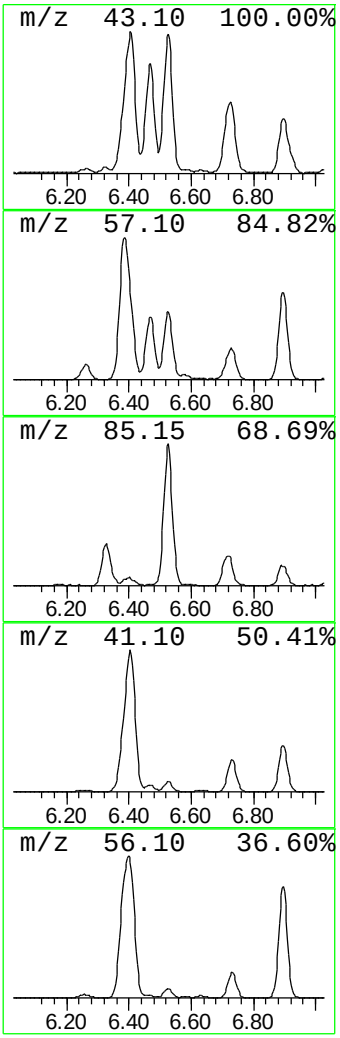
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	8.18 ug/L	269077	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	87
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
4	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	78
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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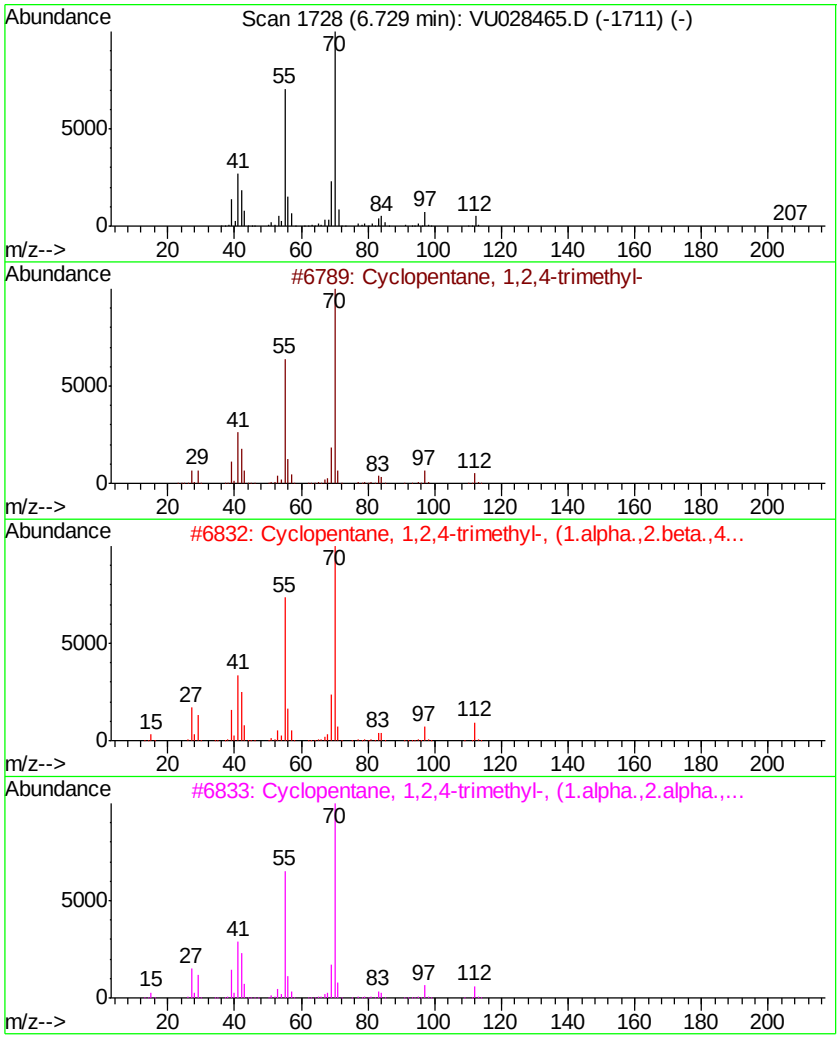
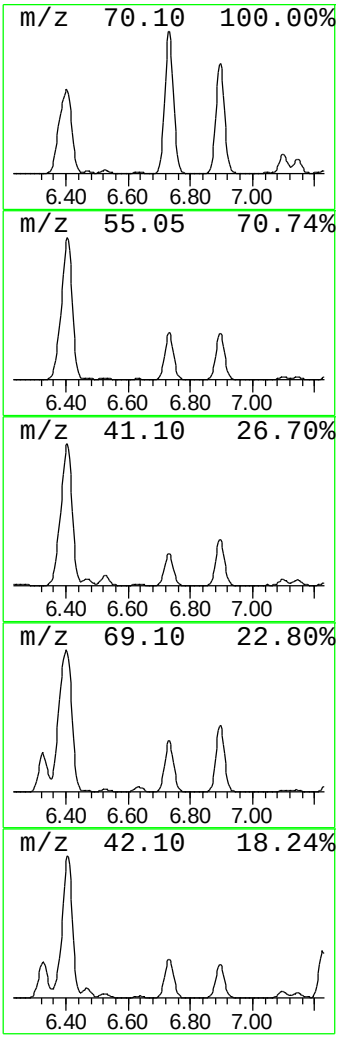
Peak Number 10 (DEL) Alkane: Cyclic6.73 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	41.50 ug/L	1364250	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	016883-48-0	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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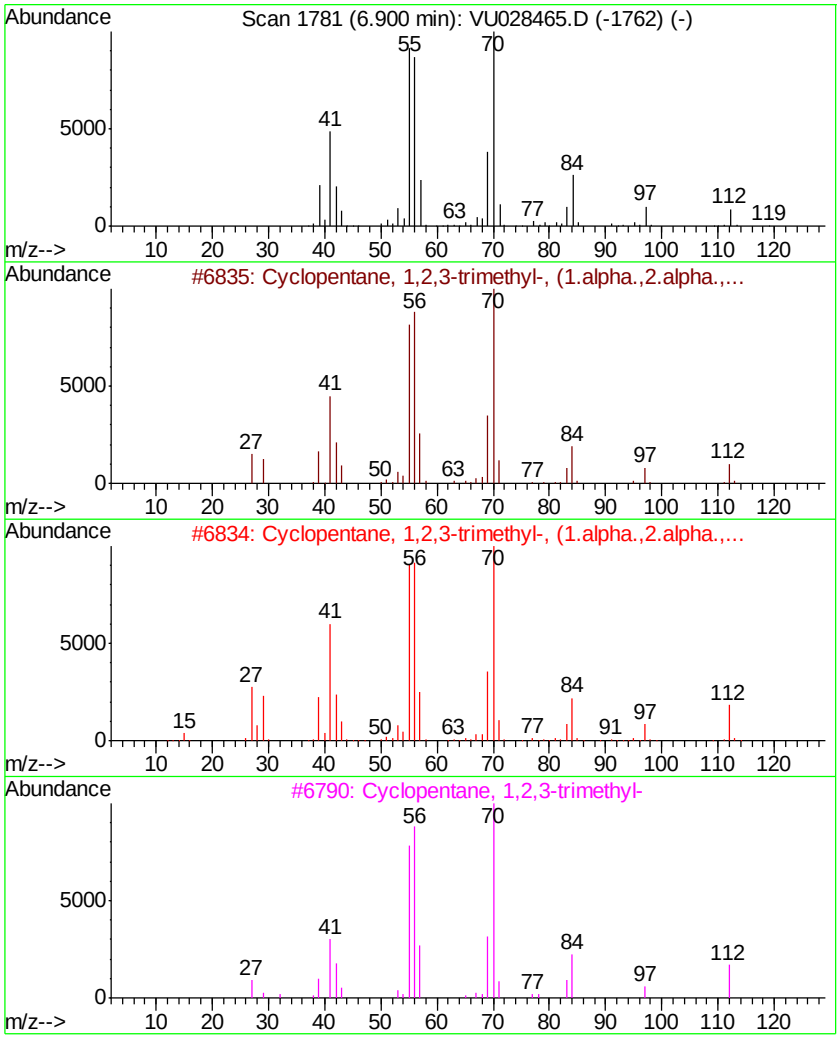
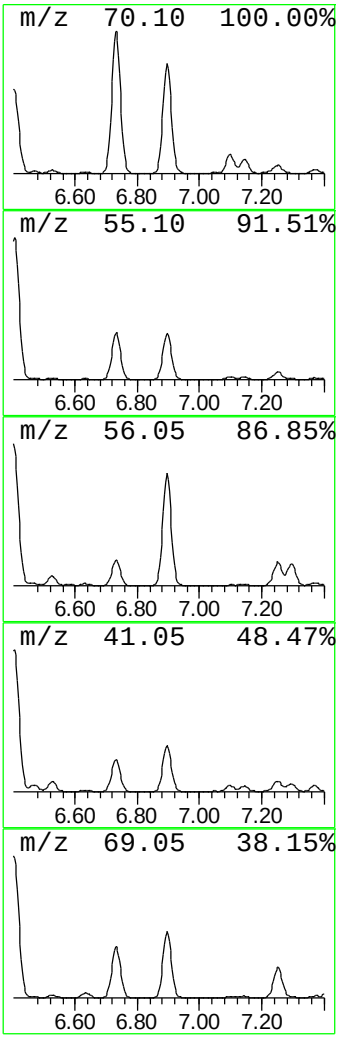
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	50.96 ug/L	1675380	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	015890-40-1	91
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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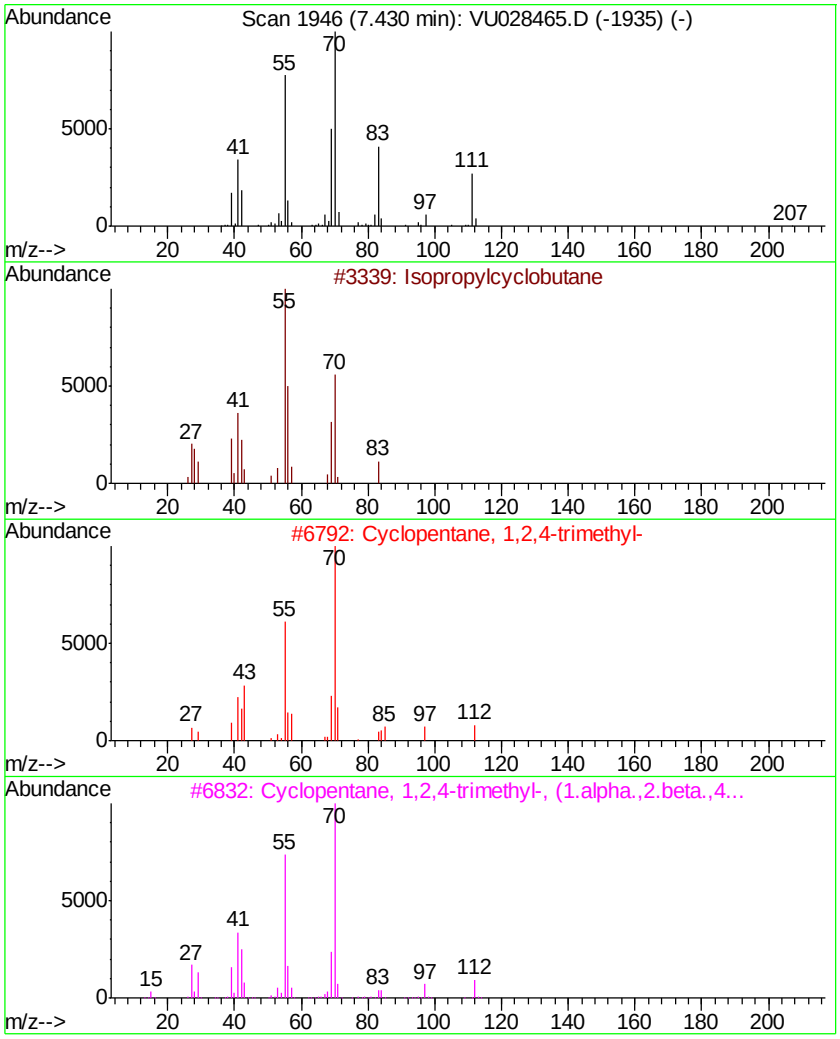
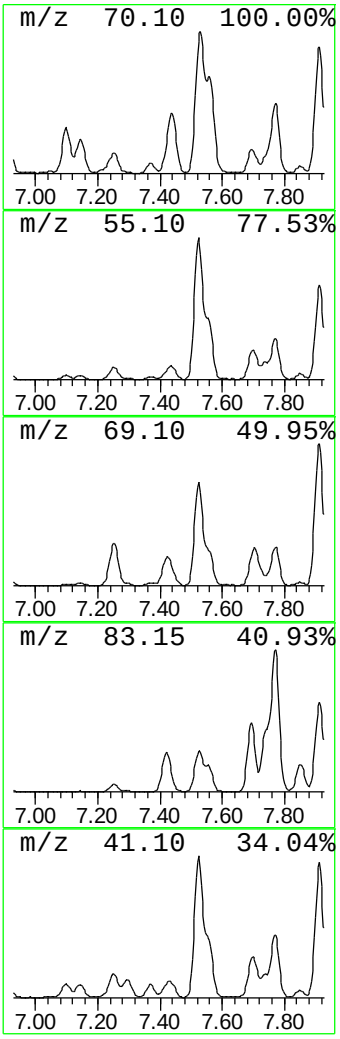
Peak Number 13 (DEL) Alkane: Cyclic7.43 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	11.38 ug/L	374072	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	002815-58-9	53
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	53
4	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	53
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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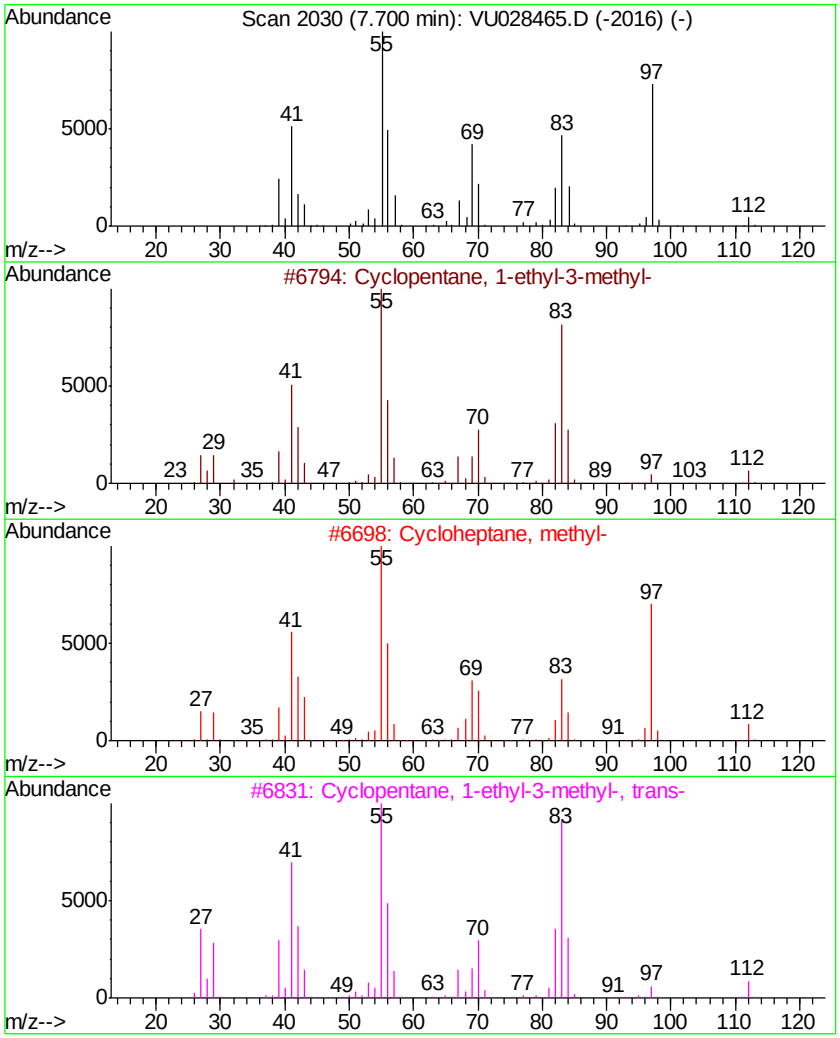
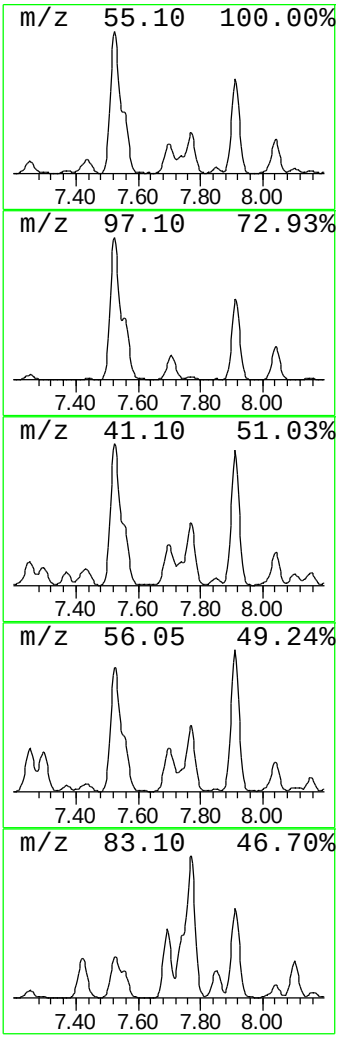
Peak Number 14 (DEL) Alkane: Cyclic7.70 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	15.60 ug/L	657897	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	64
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	53
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	49
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	49
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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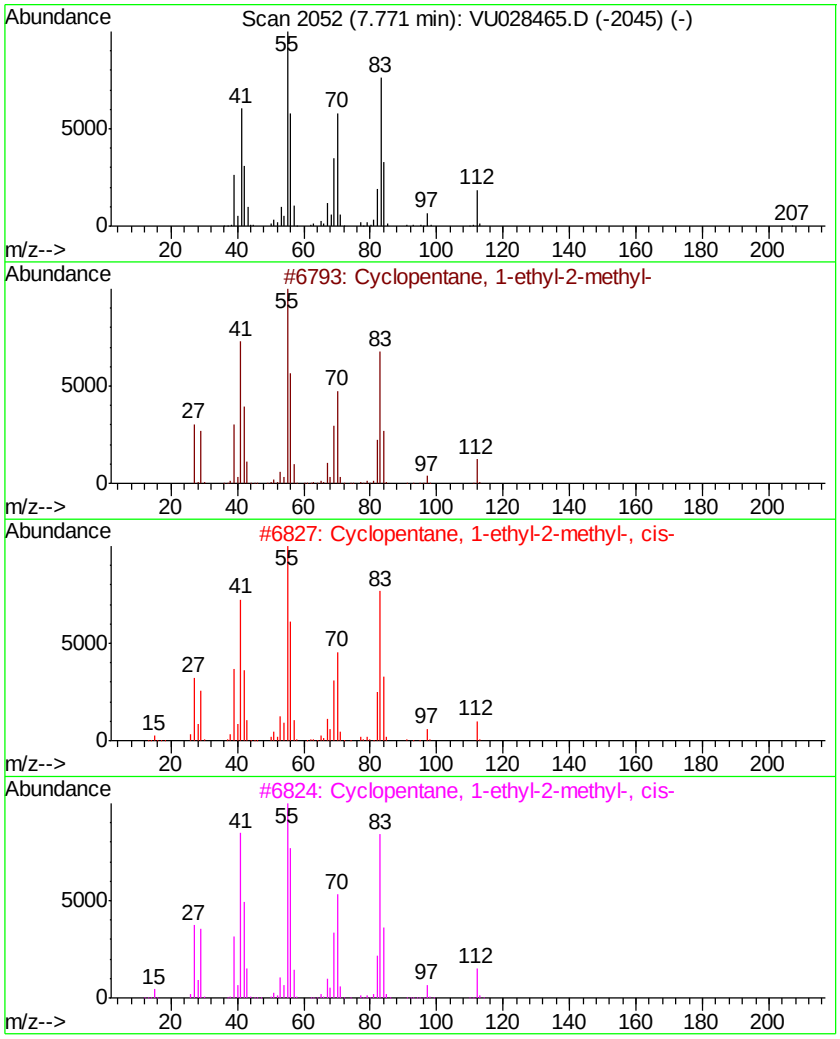
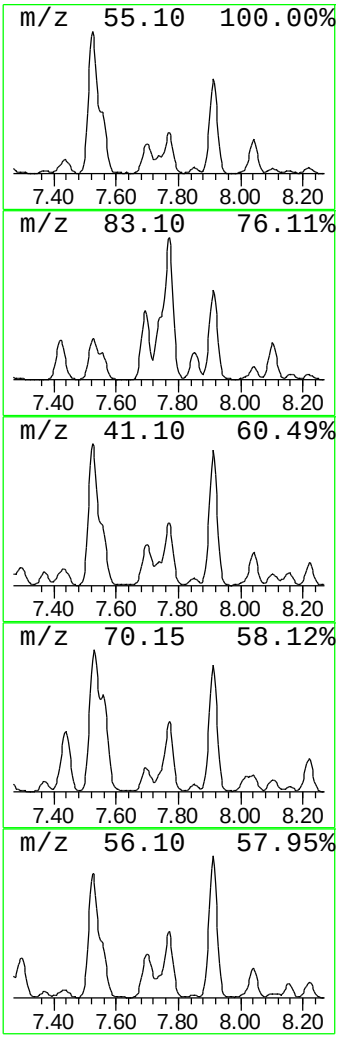
Peak Number 15 (DEL) Alkane: Cyclic7.77 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	19.74 ug/L	832477	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	93
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	86
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
5	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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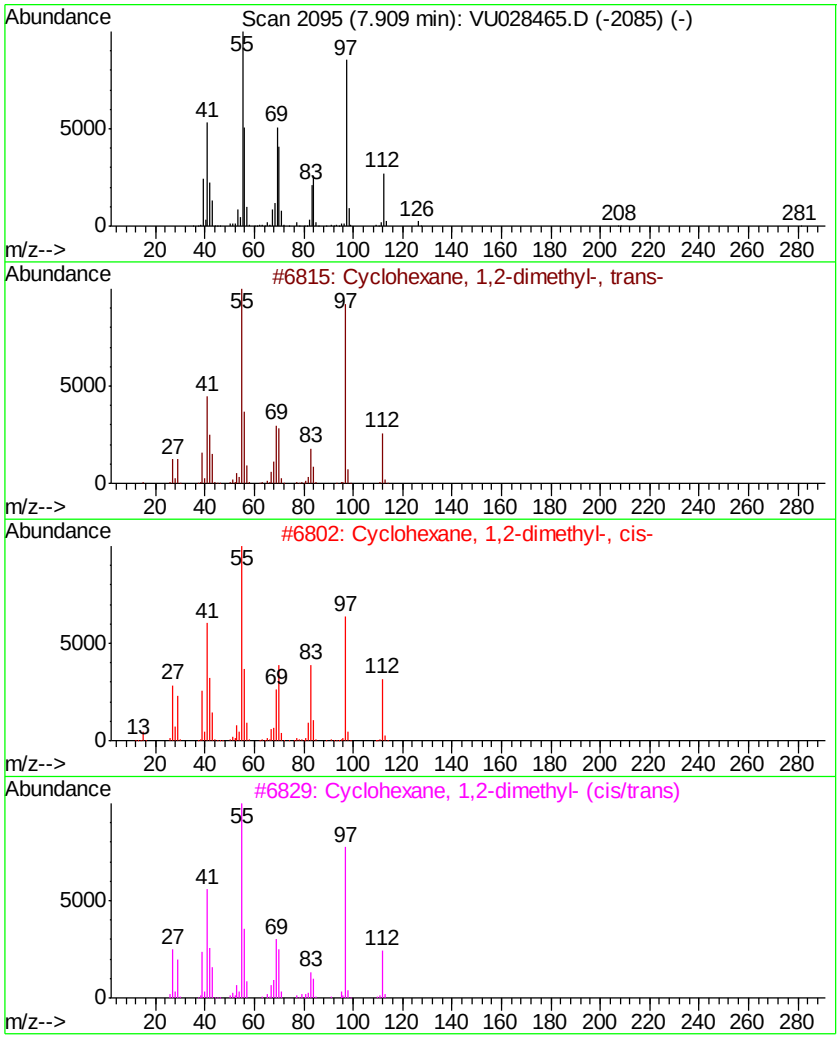
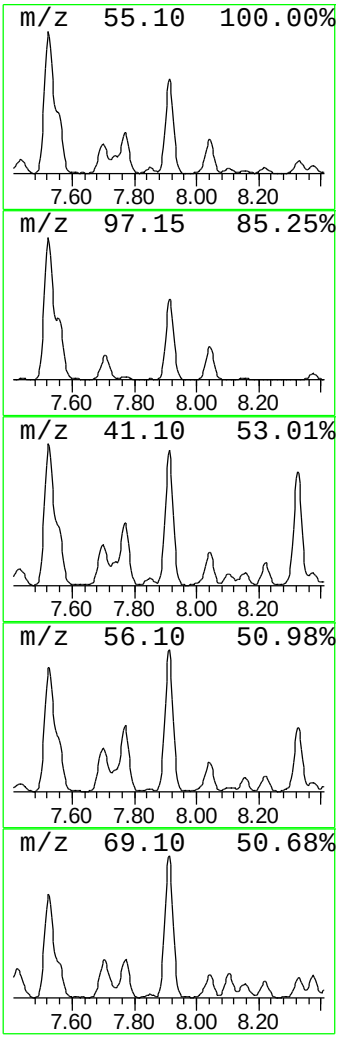
Peak Number 16 (DEL) Alkane: Cyclic7.91 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	48.36 ug/L	2039180	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	68
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	68
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	68
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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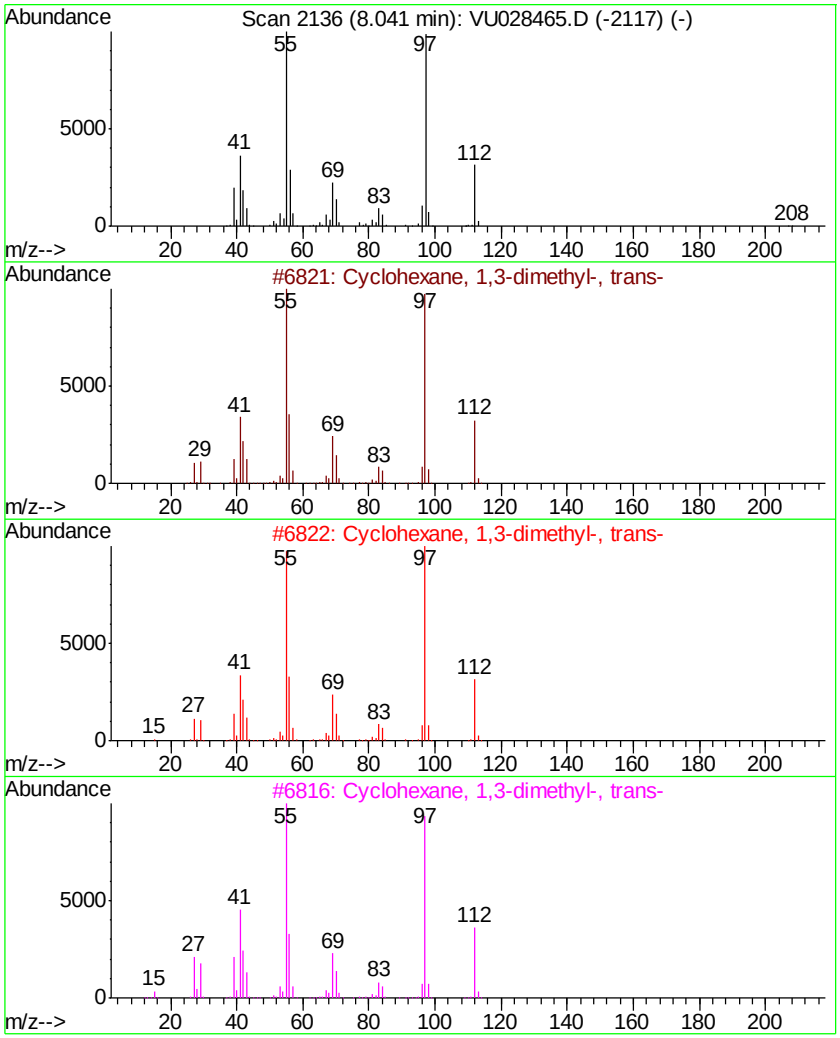
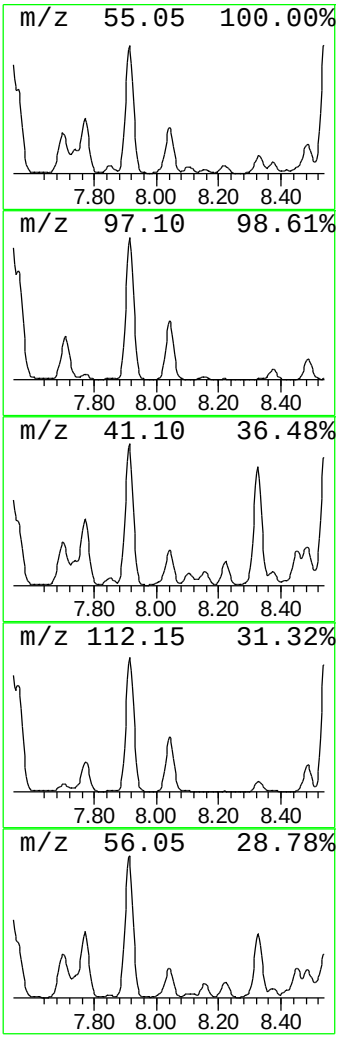
Peak Number 17 (DEL) Alkane: Cyclic8.04 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	13.94 ug/L	587783	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, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	96
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

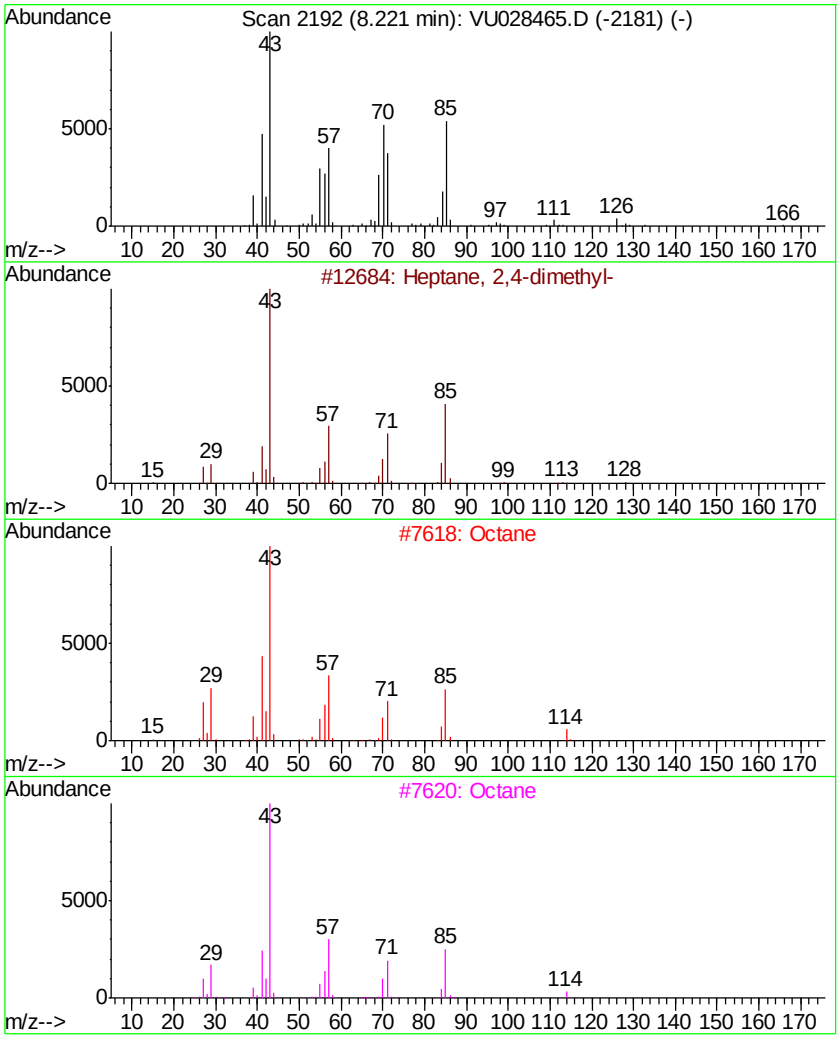
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

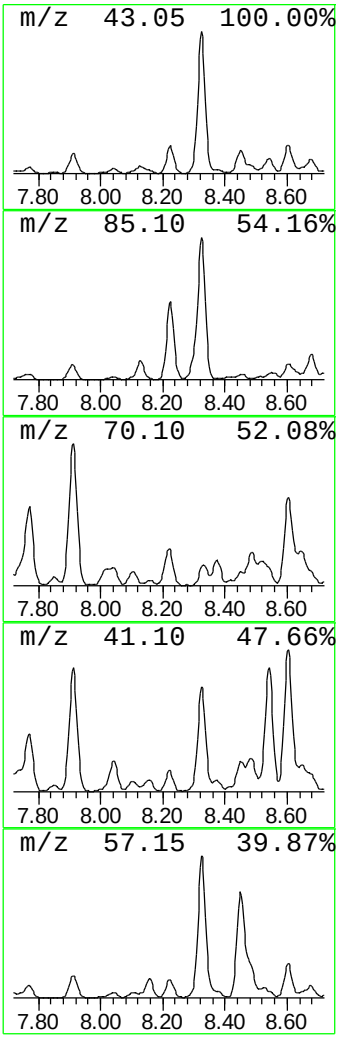
****

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	7.33 ug/L	309055	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Octane	114	C8H18	000111-65-9	64
3	Octane	114	C8H18	000111-65-9	59
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	53
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

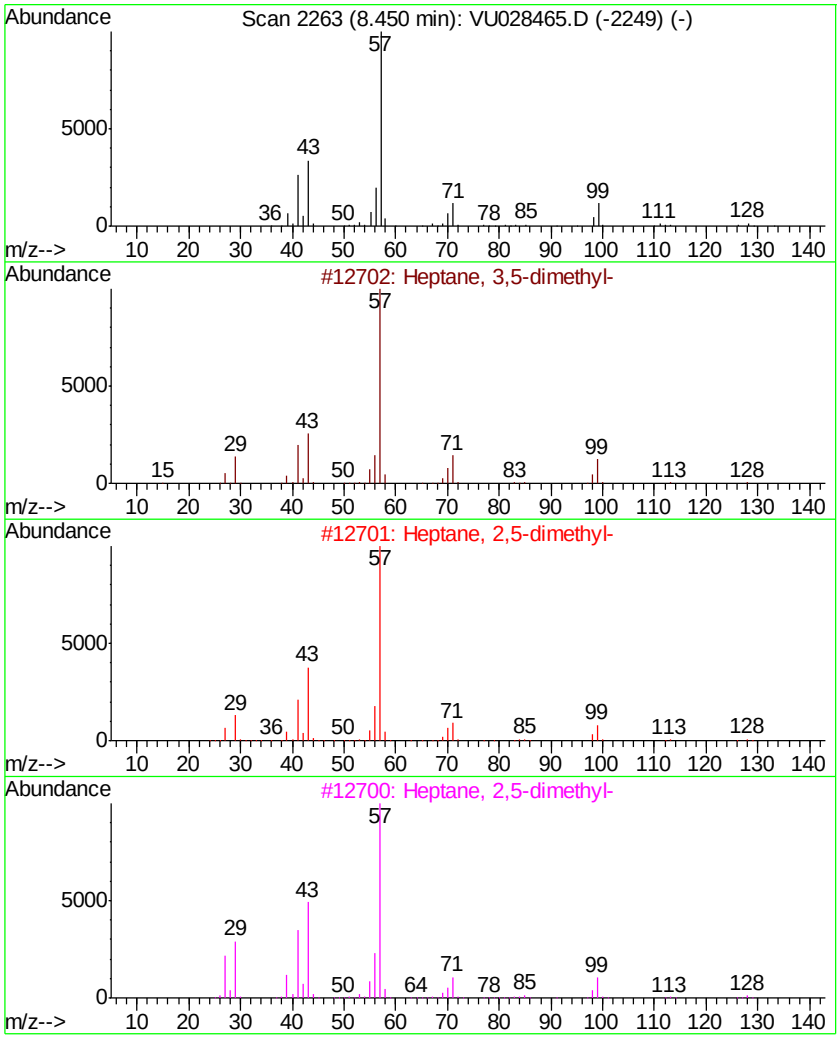
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

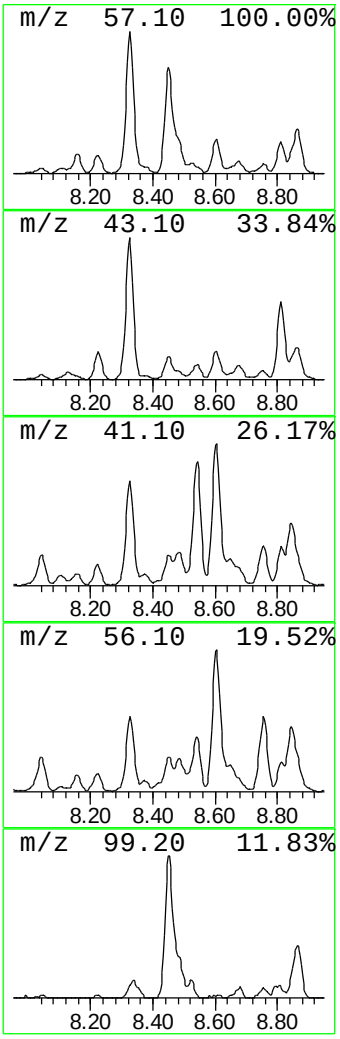
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	7.78 ug/L	327979	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
5	Octane, 3-methyl-	128	C9H20	002216-33-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

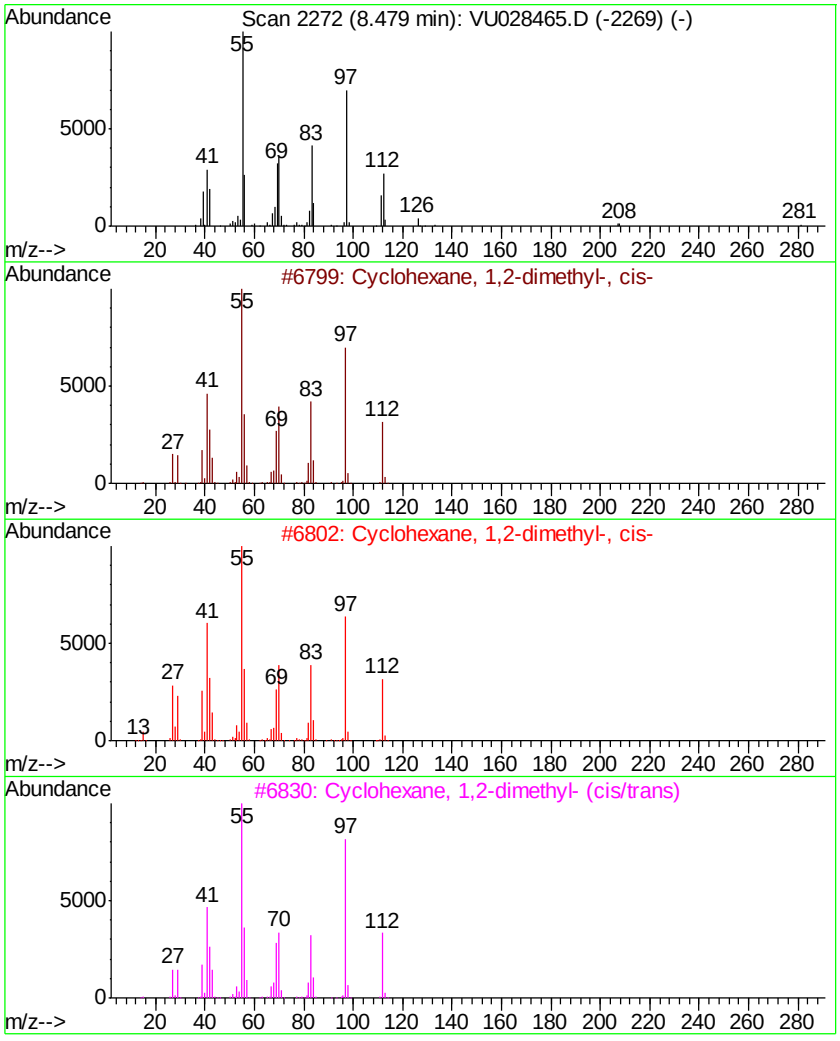
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

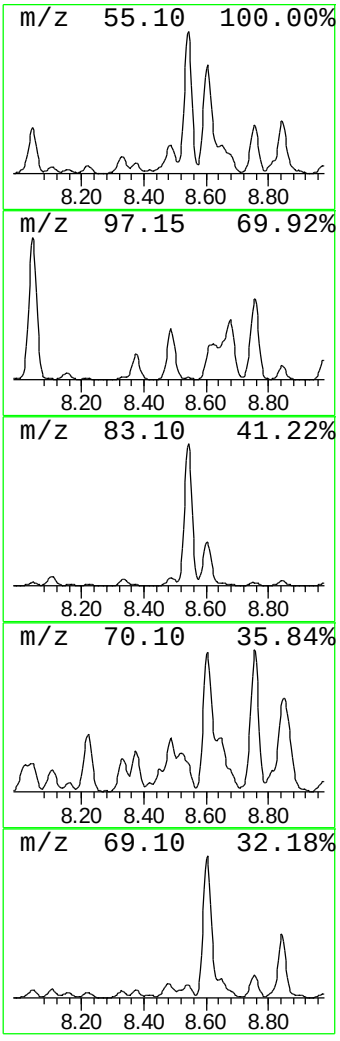
****

Peak Number 20 (DEL) Alkane: Cyclic8.48 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	6.45 ug/L	272180	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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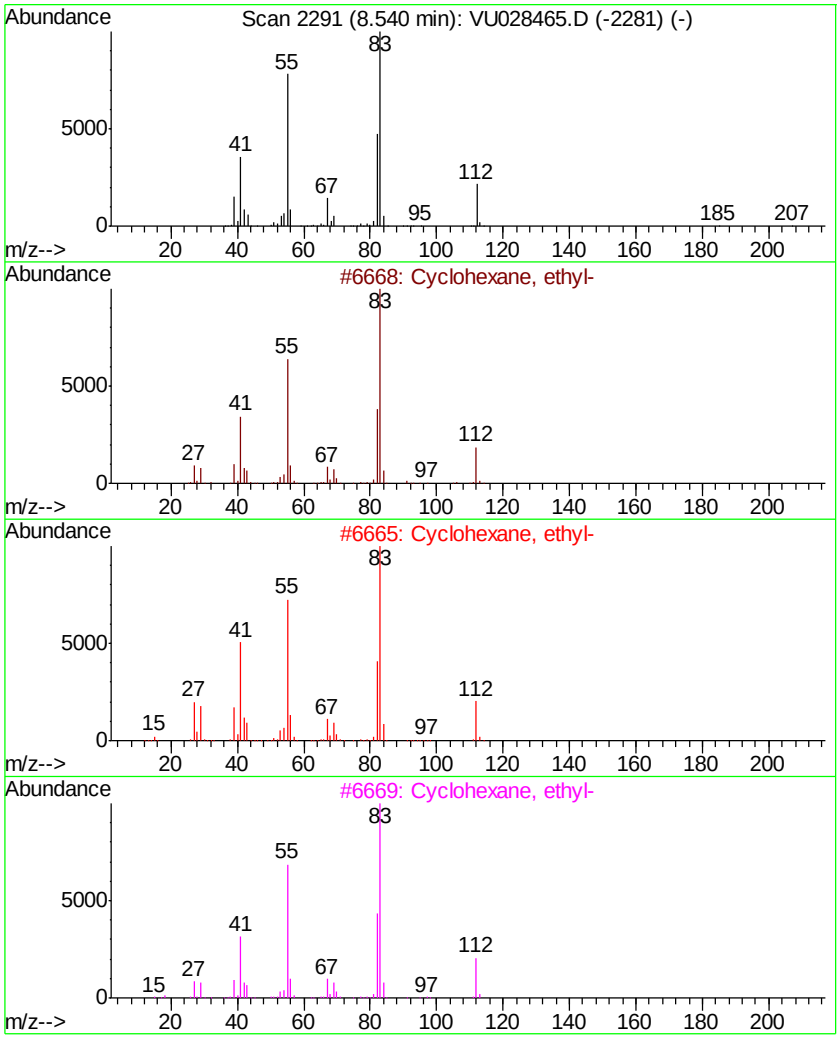
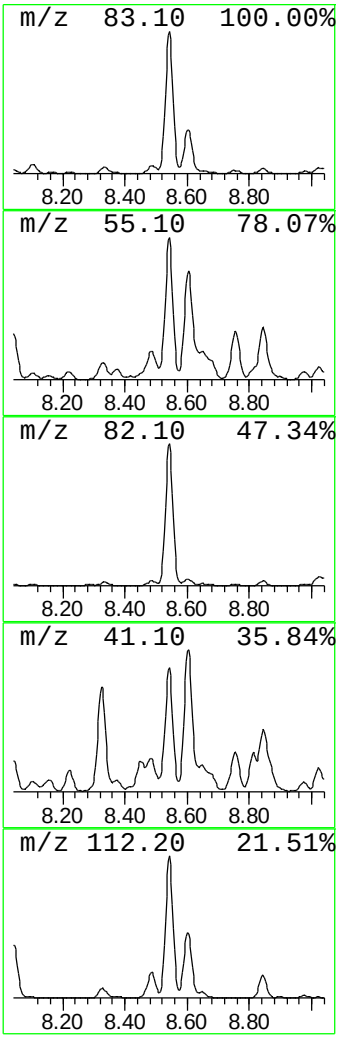
Peak Number 21 (DEL) Alkane: Cyclic8.54 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	36.23 ug/L	1527630	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	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

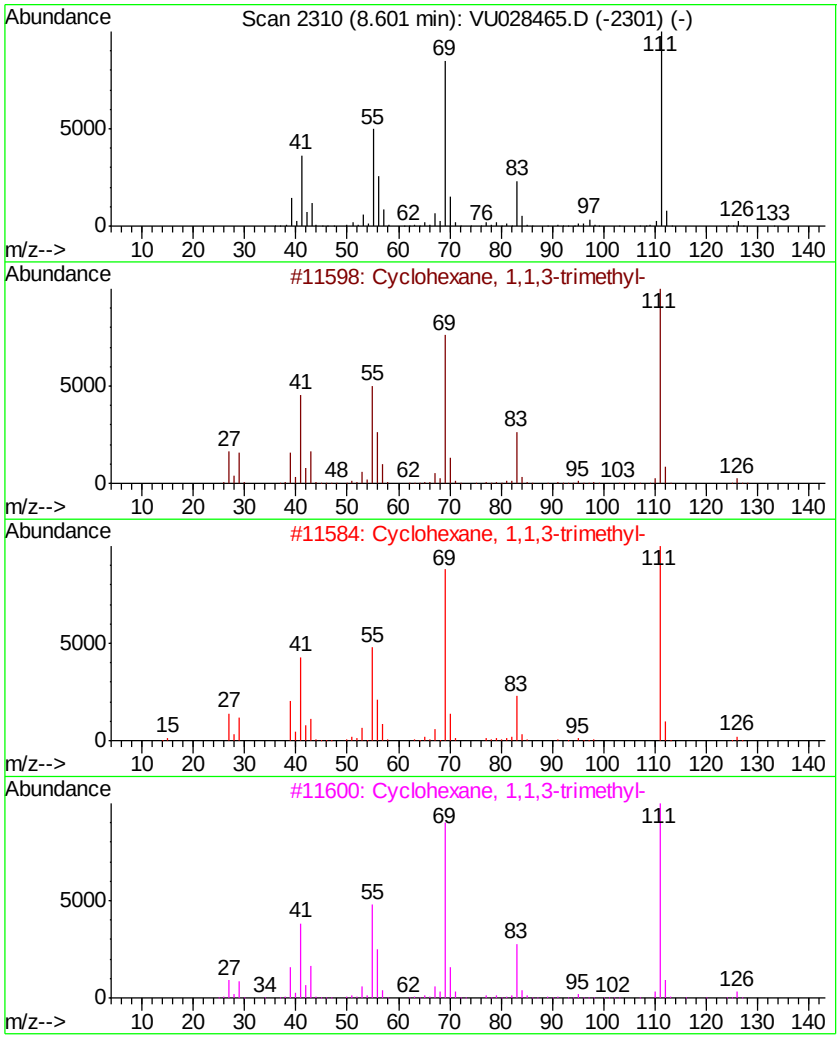
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

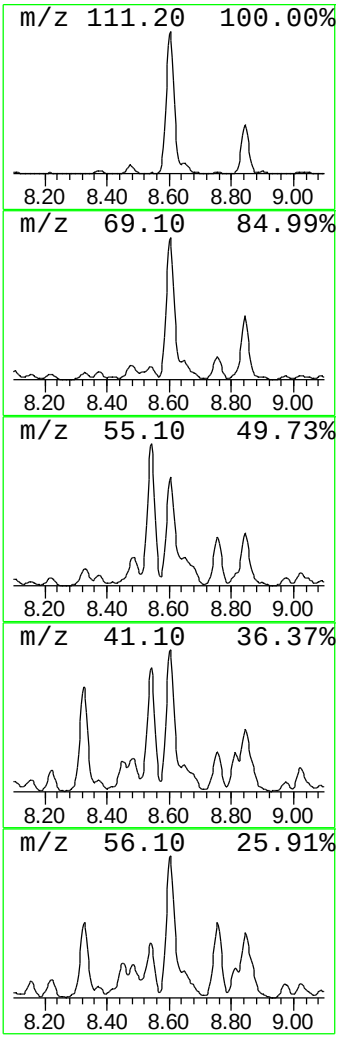
****

Peak Number 22 (DEL) Alkane: Cyclic8.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	53.91 ug/L	2273410	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	94
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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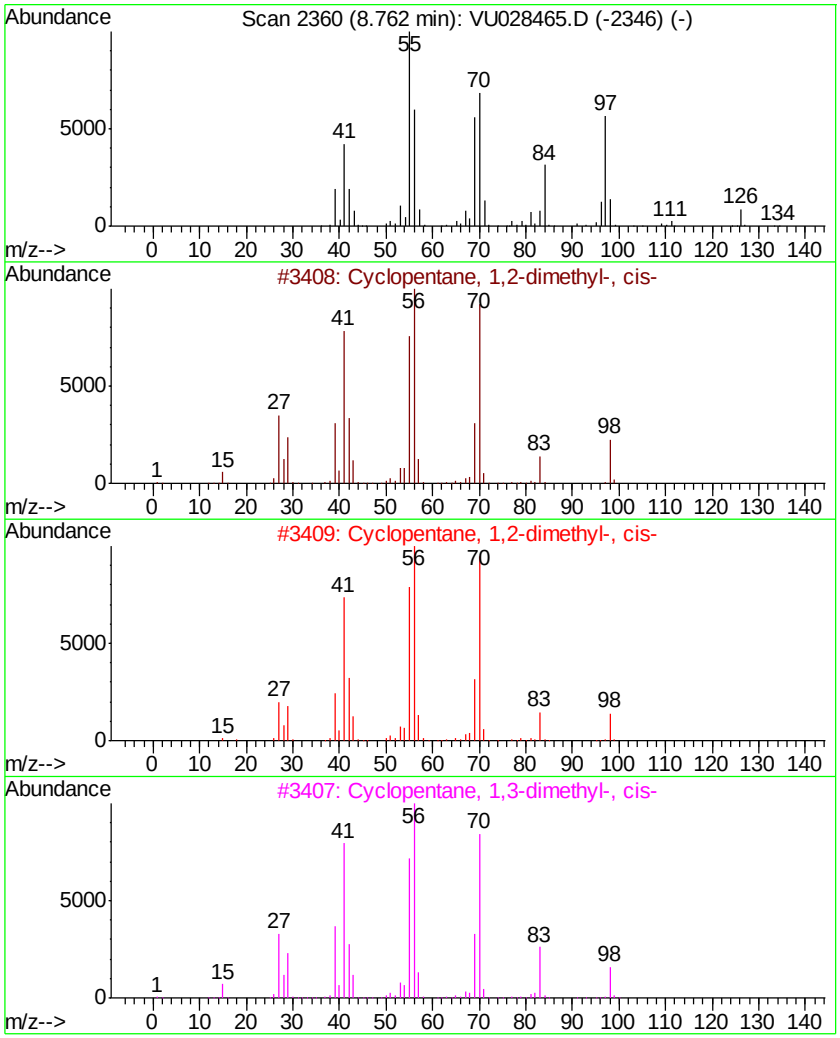
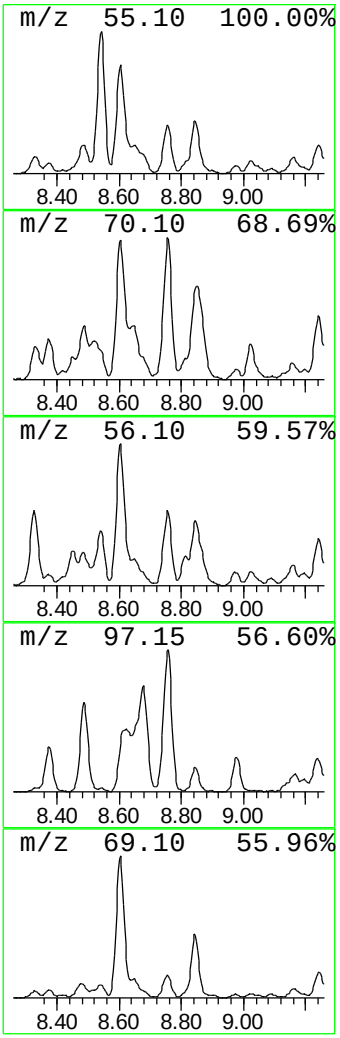
Peak Number 23 (DEL) Alkane: Cyclic8.76 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	16.88 ug/L	711669	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	46
5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

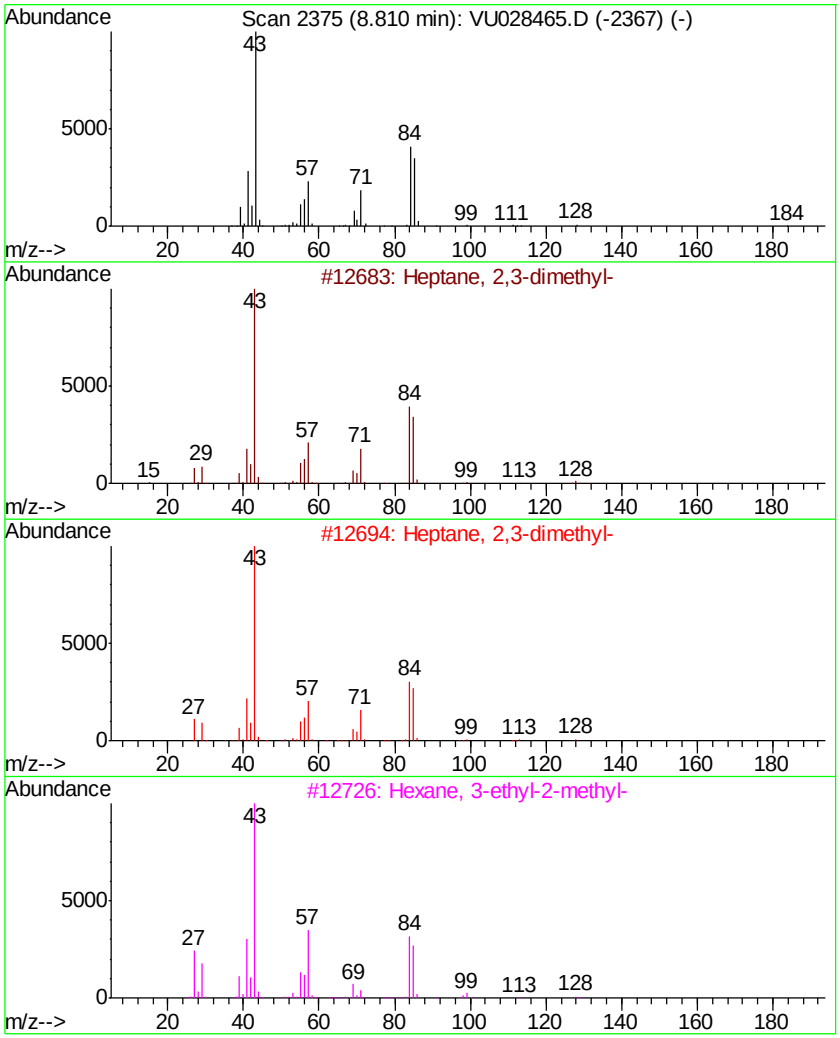
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

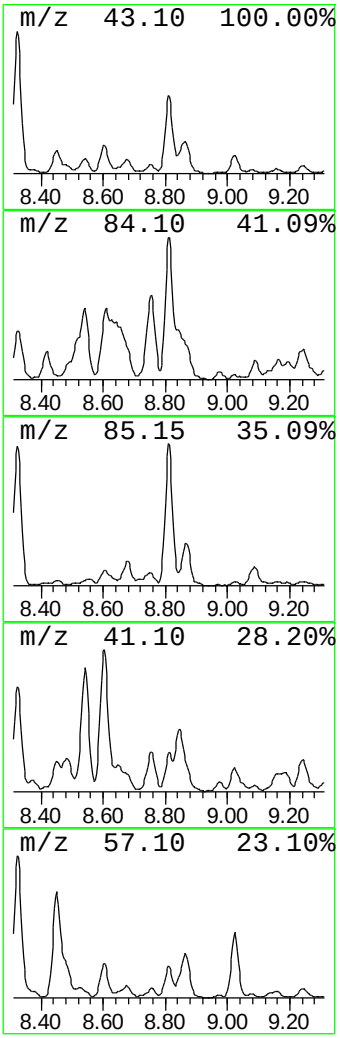
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	11.33 ug/L	477905	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	90
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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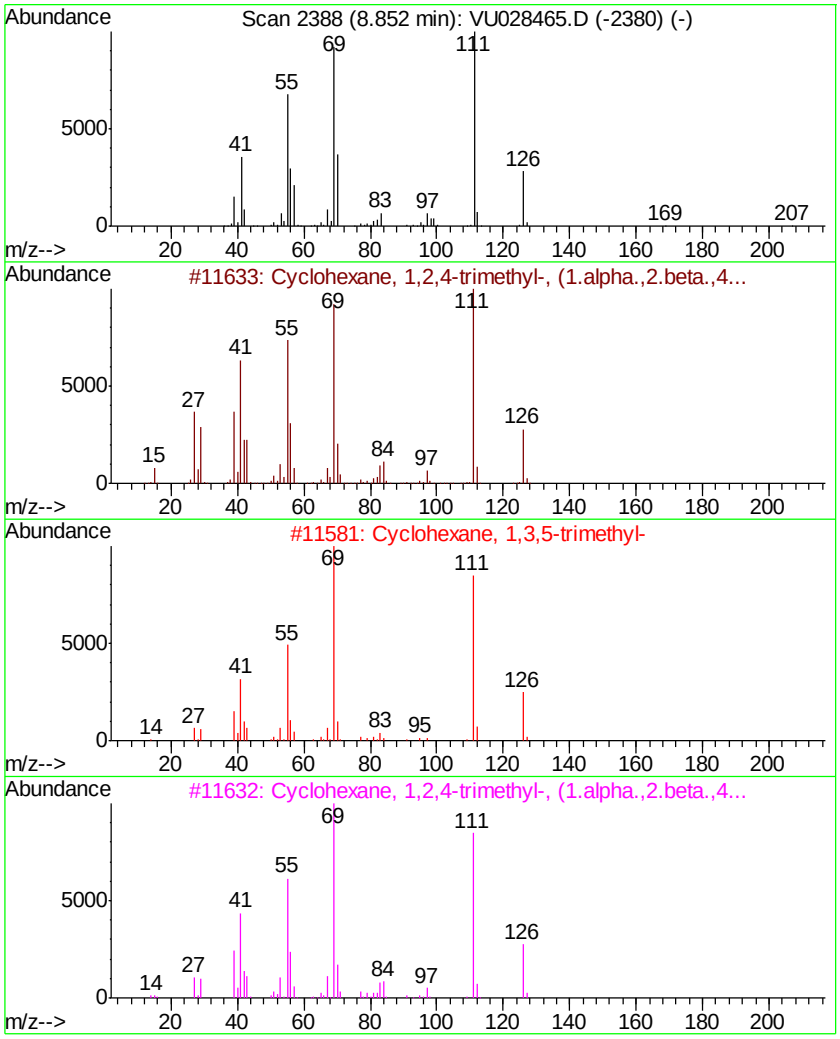
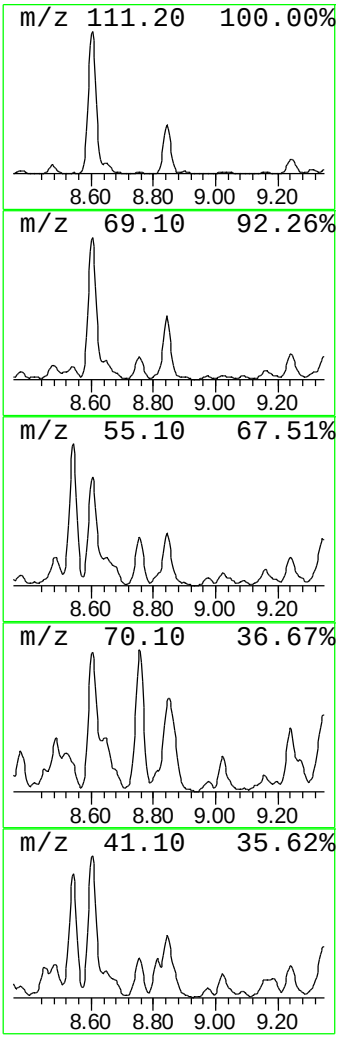
Peak Number 25 (DEL) Alkane: Cyclic8.85 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	31.57 ug/L	1331330	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	86
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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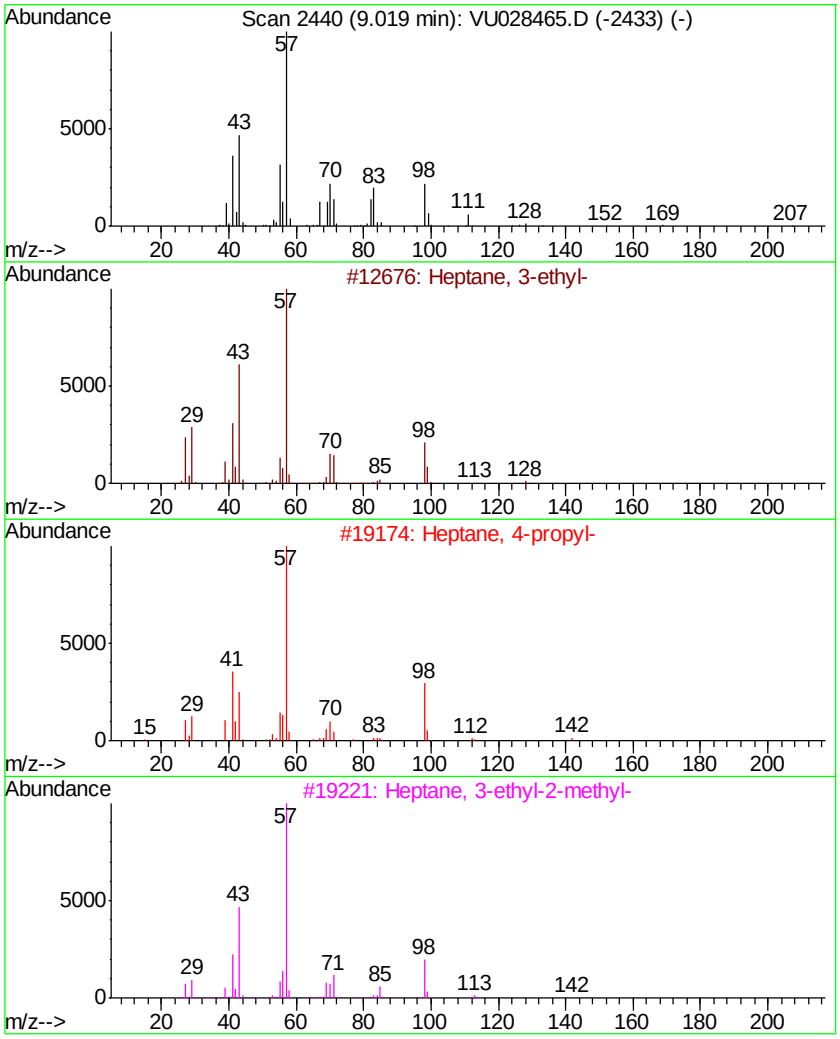
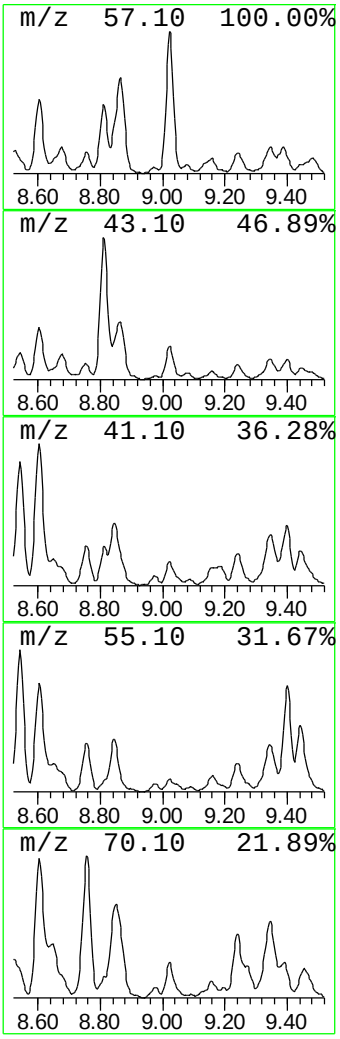
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	8.28 ug/L	349104	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	55
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	47
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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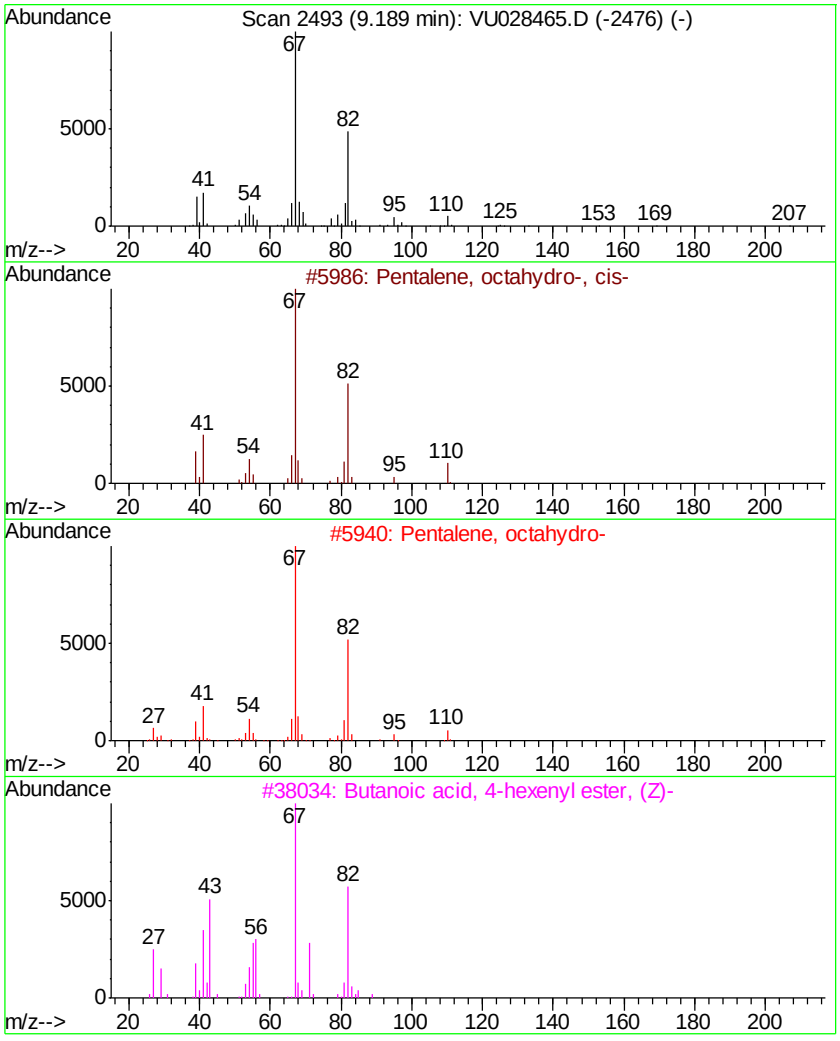
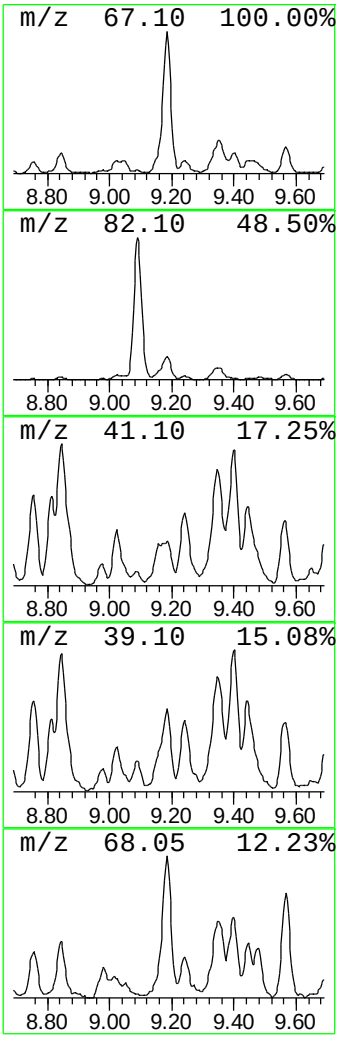
Peak Number 27 Pentalene, octahydro-, cis- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	15.69 ug/L	661572	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
2	Pentalene, octahydro-	110	C8H14	000694-72-4	91
3	Butanoic acid, 4-hexenyl ester, ...	170	C10H18O2	069727-41-9	72
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	72
5	4-Hexen-1-ol, acetate	142	C8H14O2	072237-36-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

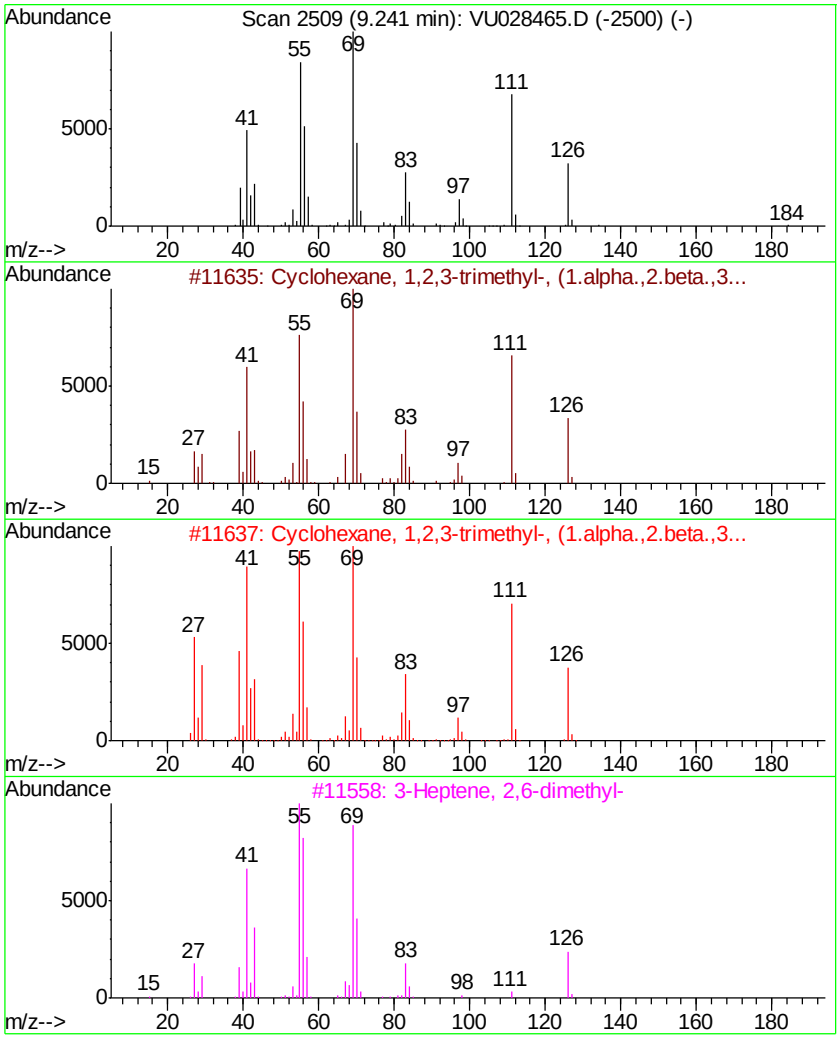
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

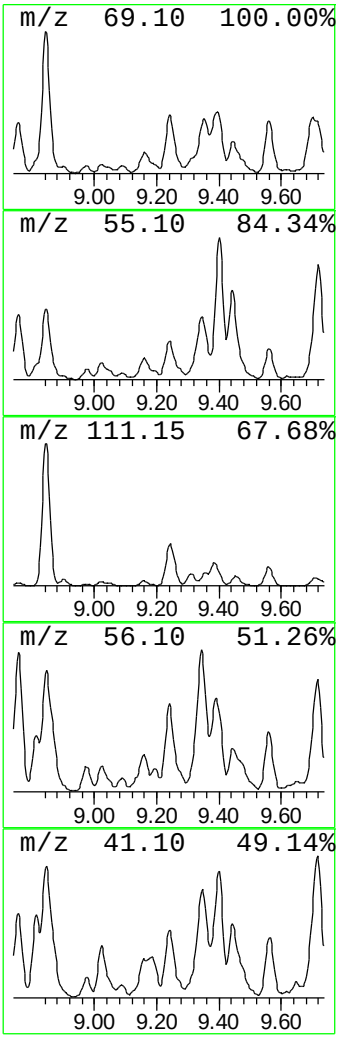
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	14.82 ug/L	624751	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	95
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	87
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

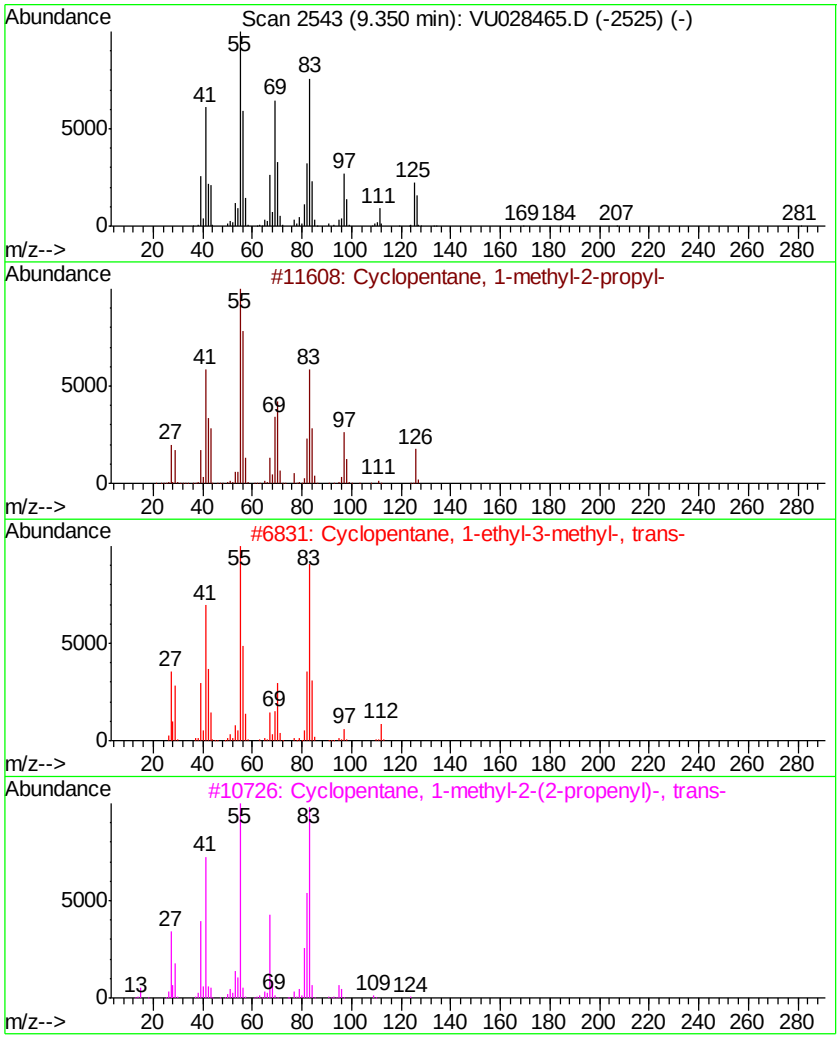
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

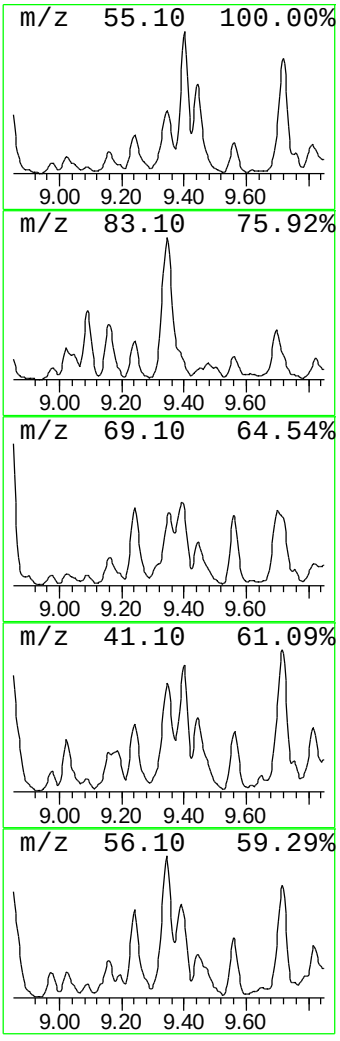
****

Peak Number 29 (DEL) Alkane: Cyclic9.35 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	26.76 ug/L	1128170	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	70
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	64
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	50
4	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	43
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

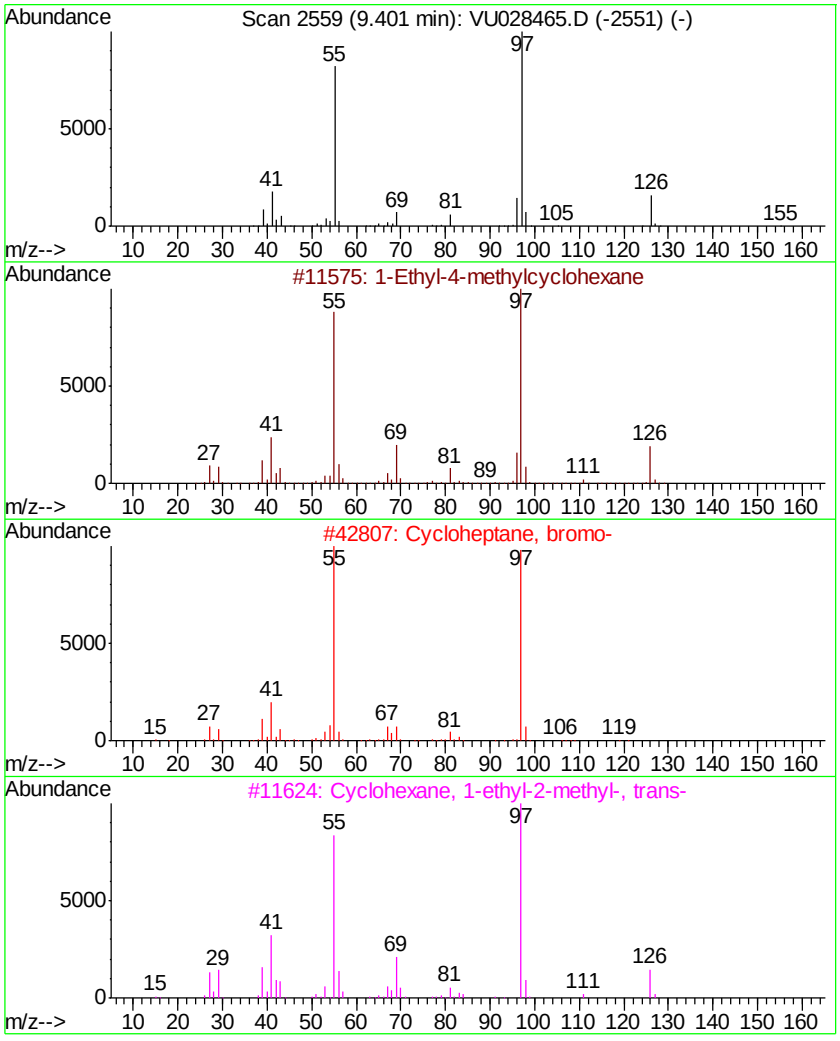
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

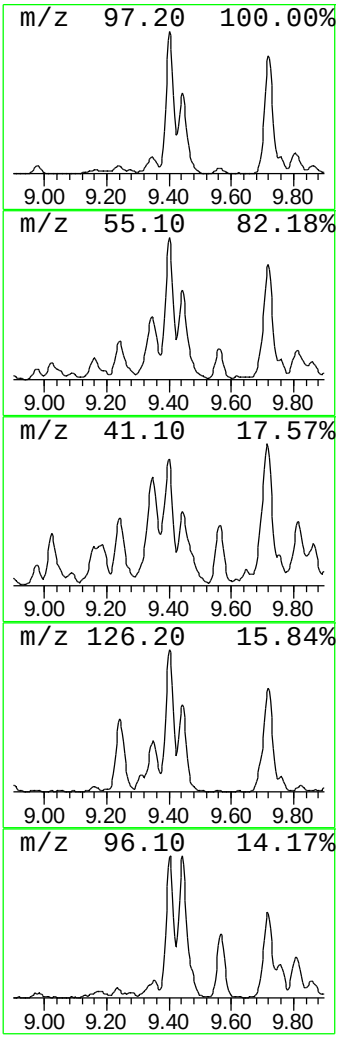
****

Peak Number 30 (DEL) Alkane: Cyclic9.40 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	27.60 ug/L	1163780	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	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	64
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
4	4-Octen-3-one	126	C8H14O	014129-48-7	64
5	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

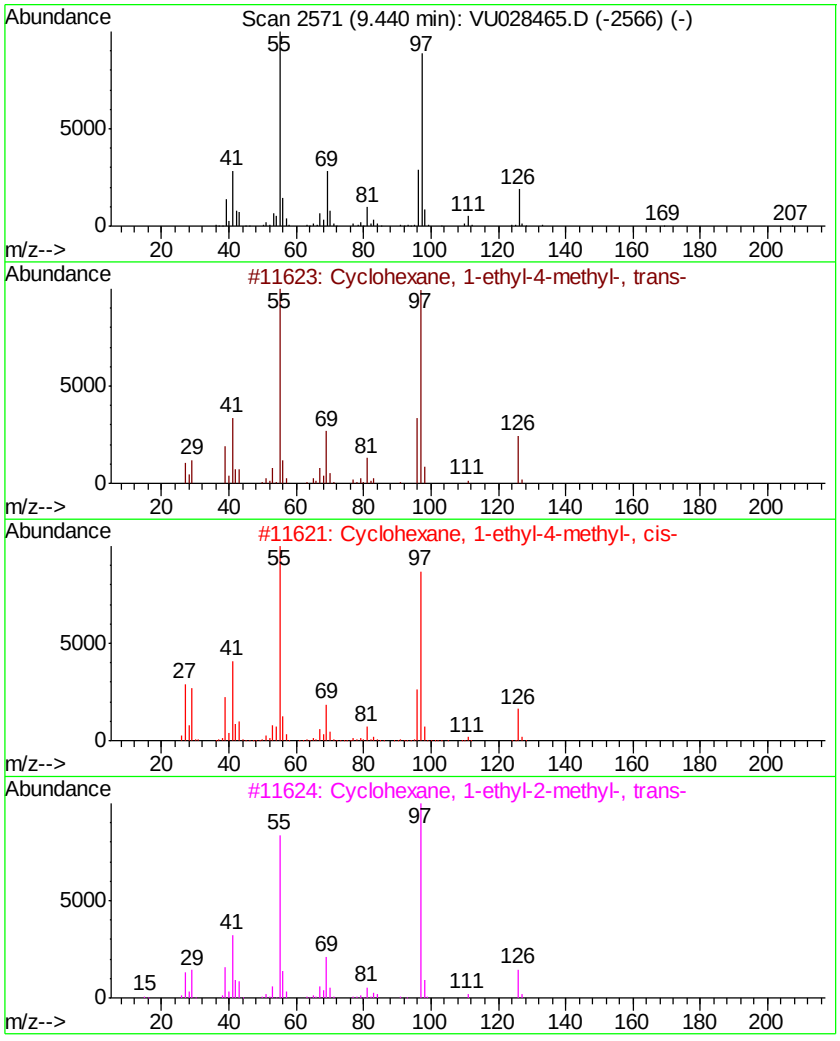
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

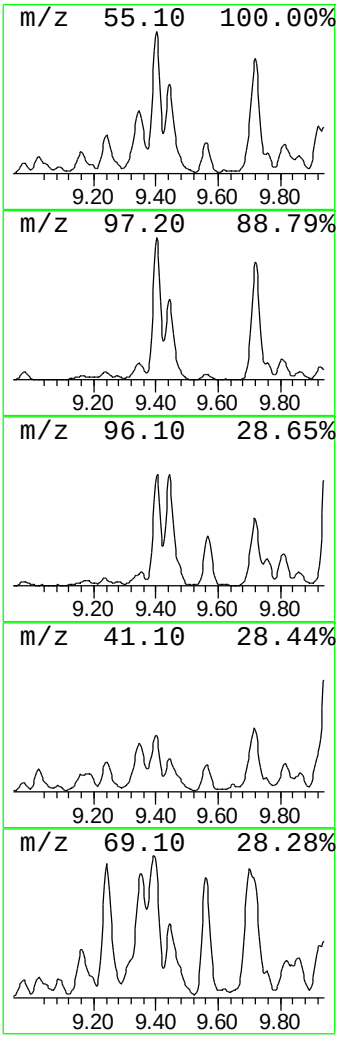
****

Peak Number 31 (DEL) Alkane: Cyclic9.44 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	21.15 ug/L	891740	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

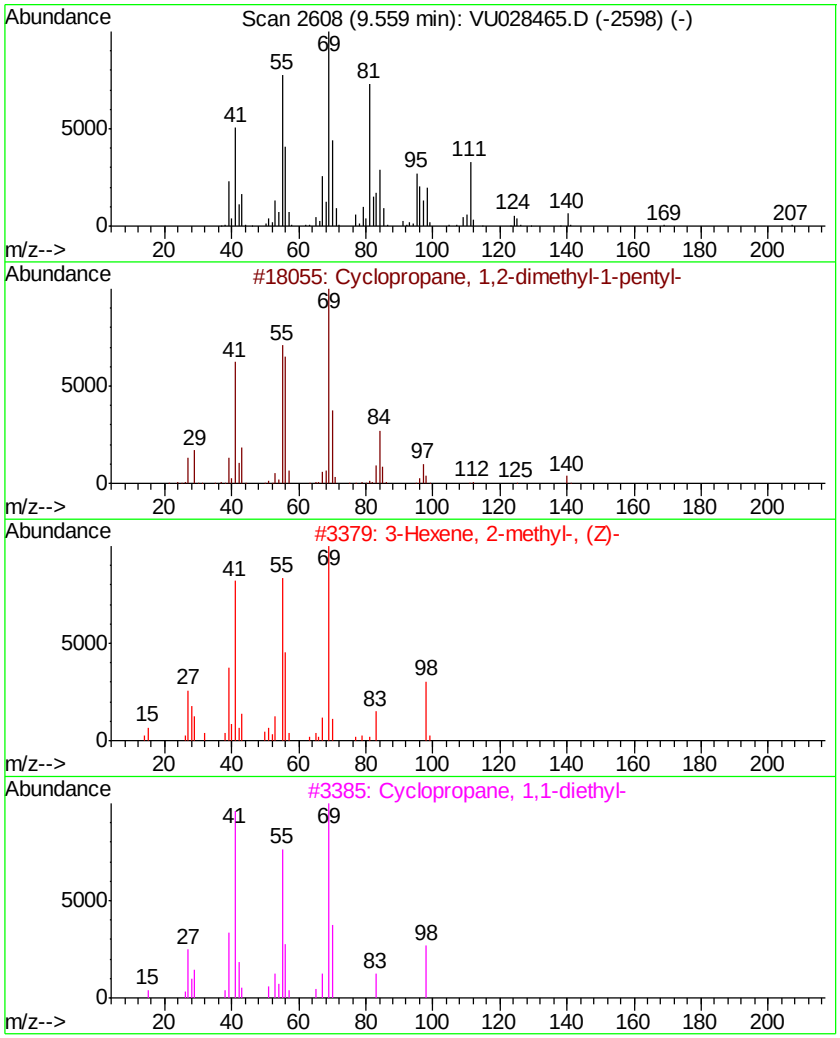
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

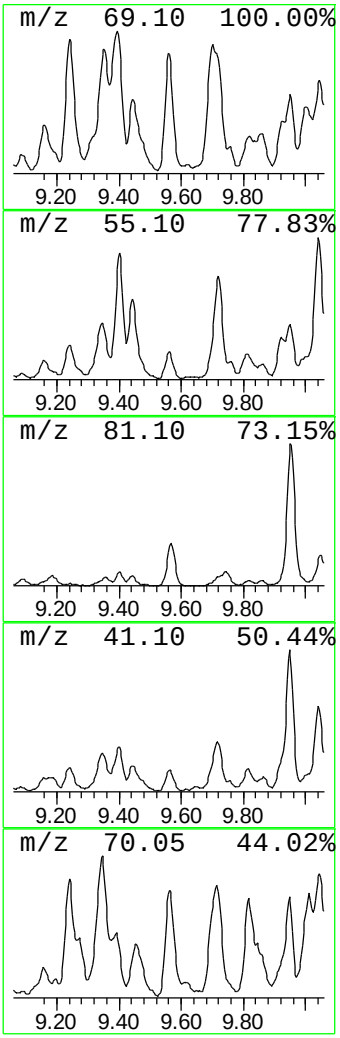
****

Peak Number 32 (DEL) Alkane: Cyclic9.56 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	14.69 ug/L	619298	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	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	42
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	41
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38
5	2-Decene, (E)-	140	C10H20	020063-97-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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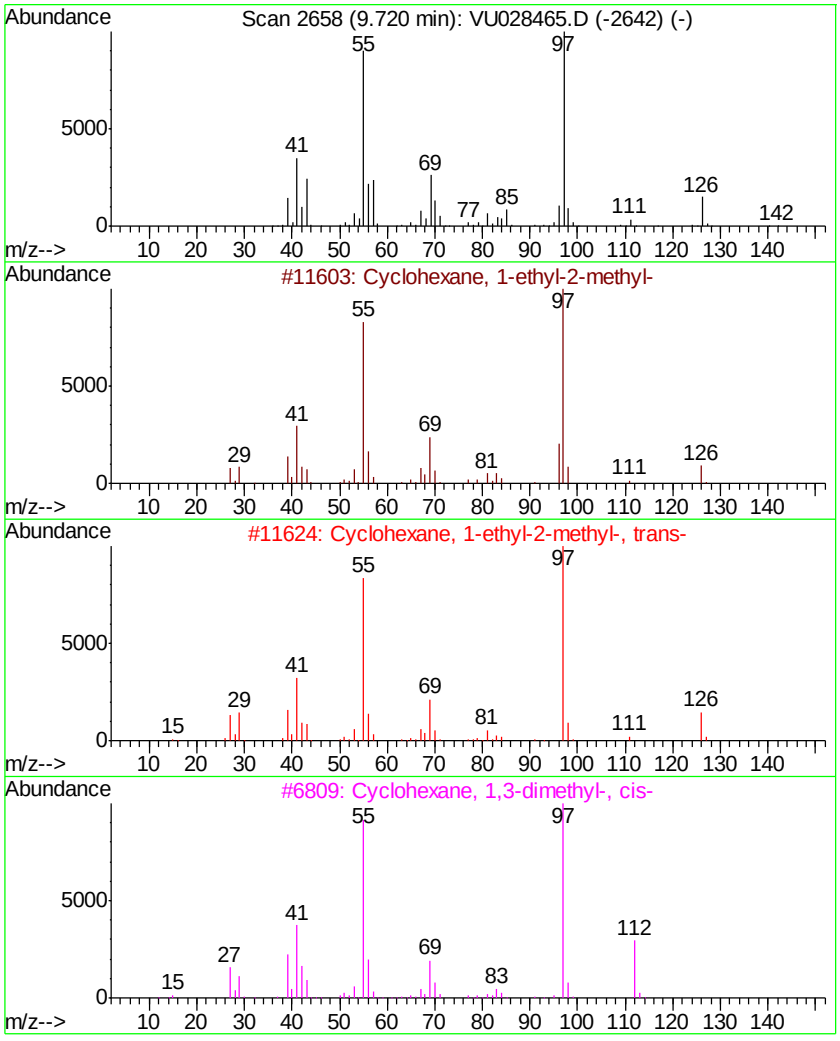
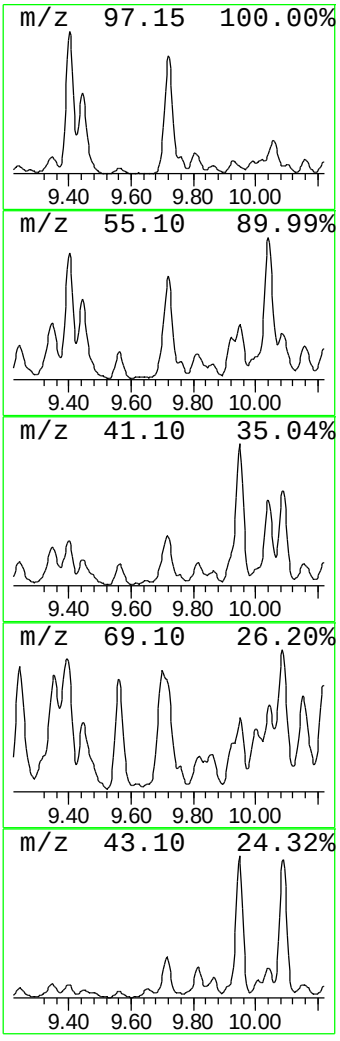
Peak Number 33 (DEL) Alkane: Cyclic9.72 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	35.94 ug/L	1515460	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	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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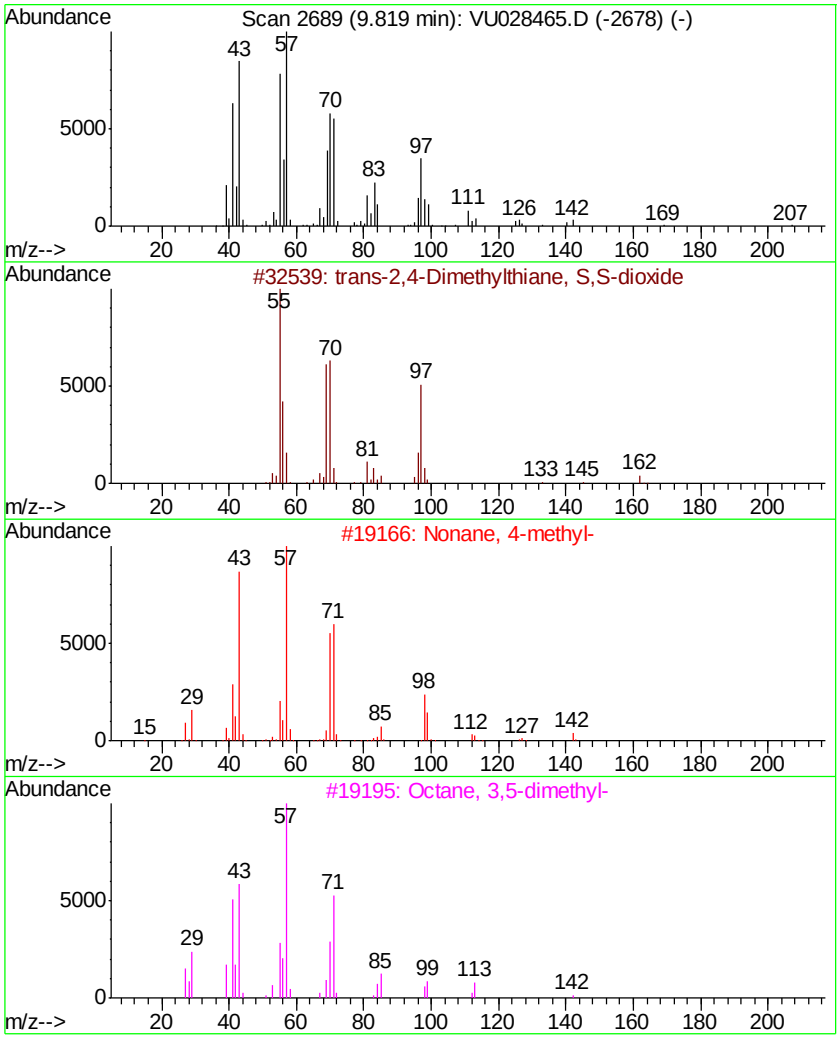
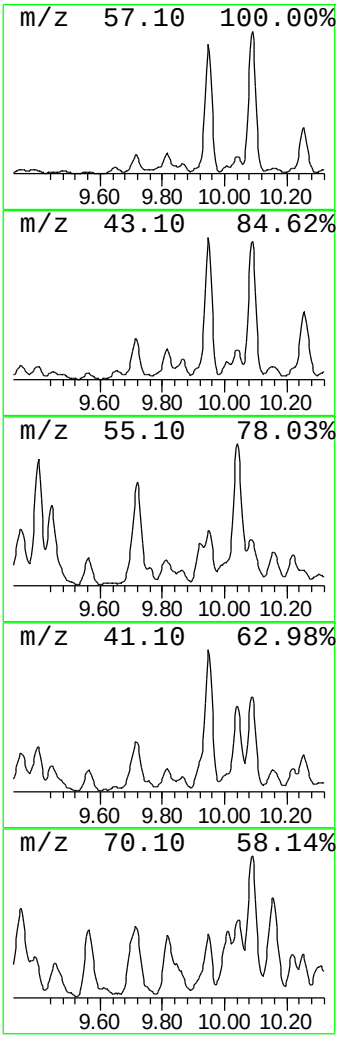
Peak Number 34 unknown-01 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	9.69 ug/L	408677	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,4-Dimethylthiane, S,S-di...	162	C7H14O2S	1000215-67-6	47
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	47
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43
4	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	38
5	Hexanal, 5-methyl-	114	C7H14O	001860-39-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

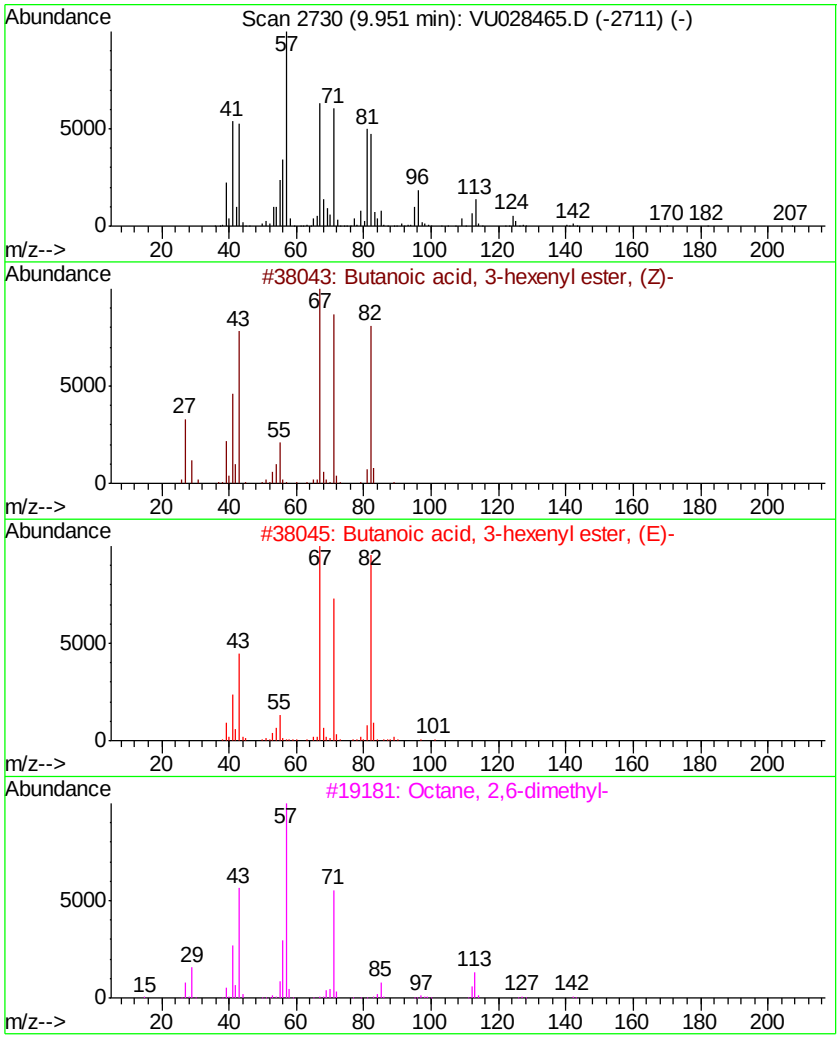
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

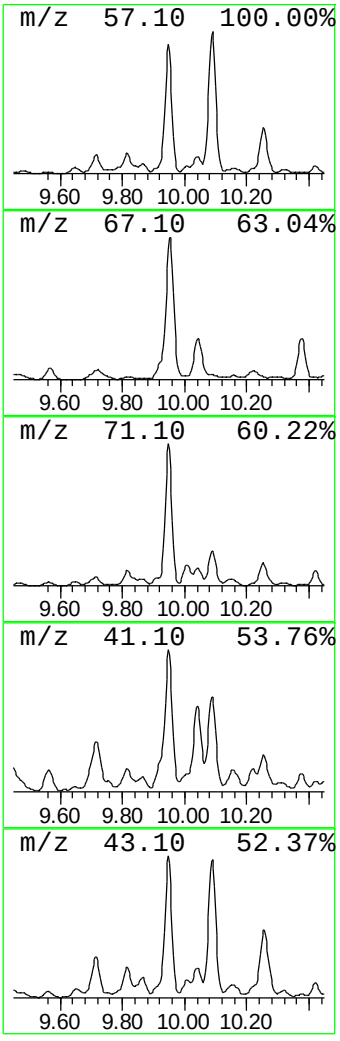
****

Peak Number 35 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	80.58 ug/L	3397760	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	016491-36-4	47
2	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	47
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

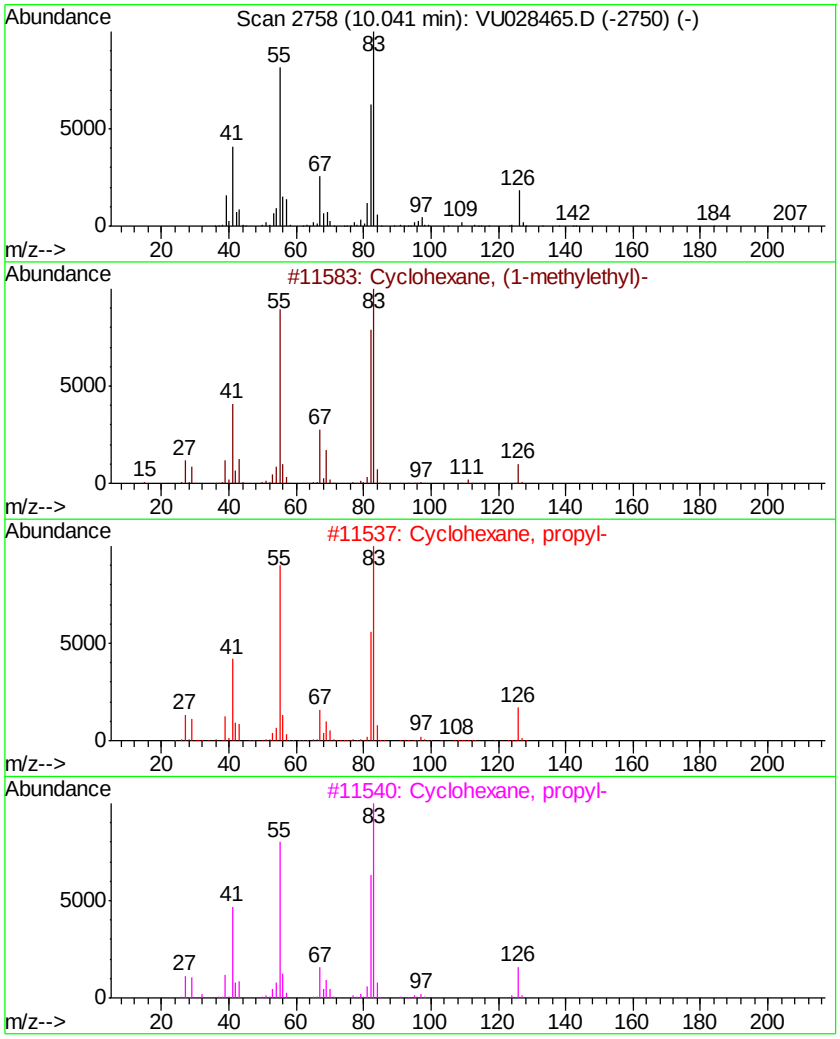
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

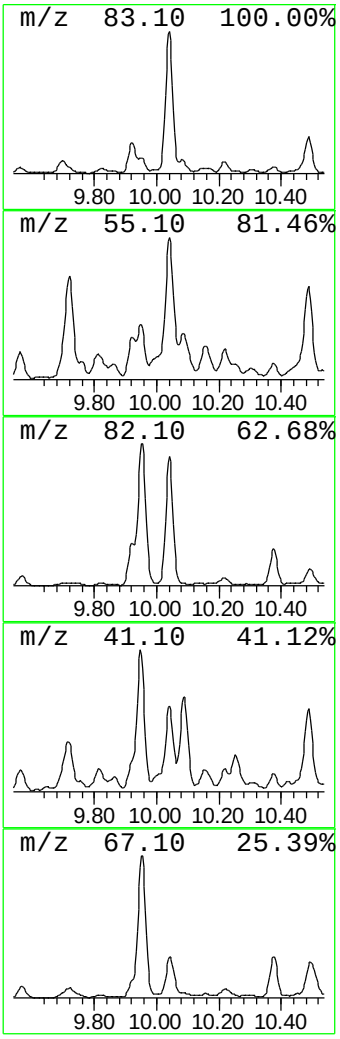
****

Peak Number 36 (DEL) Alkane: Cyclic10.04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	29.41 ug/L	1240150	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

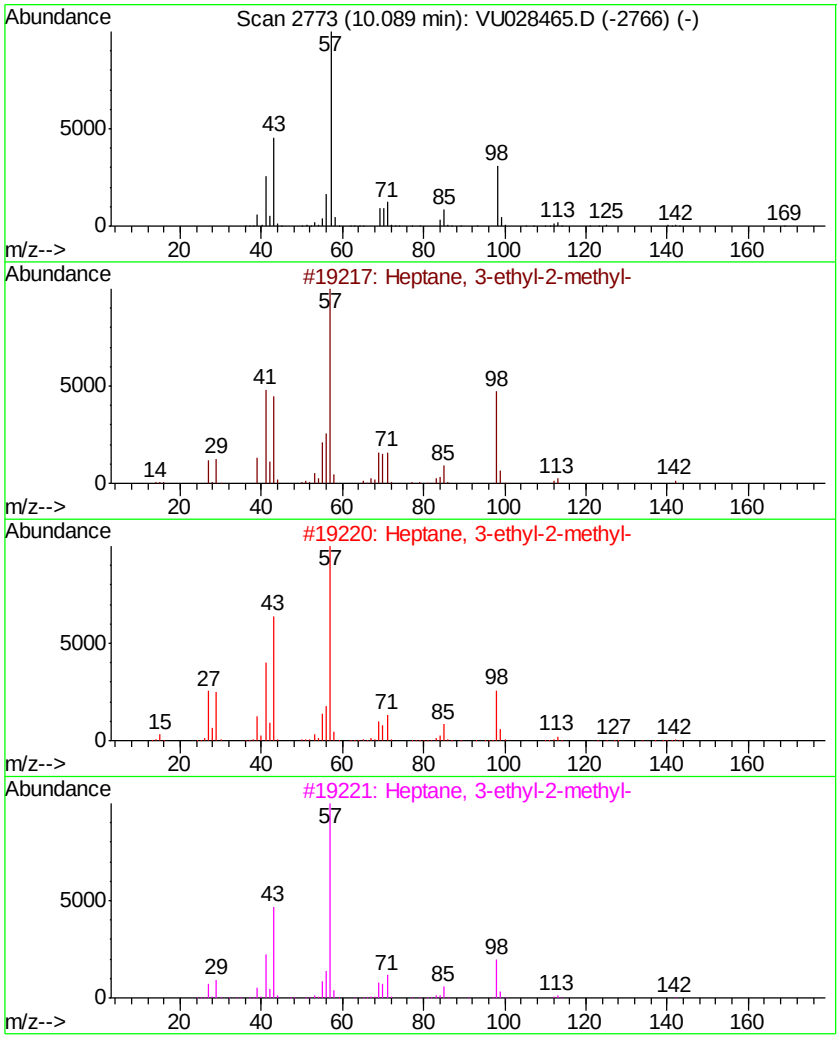
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

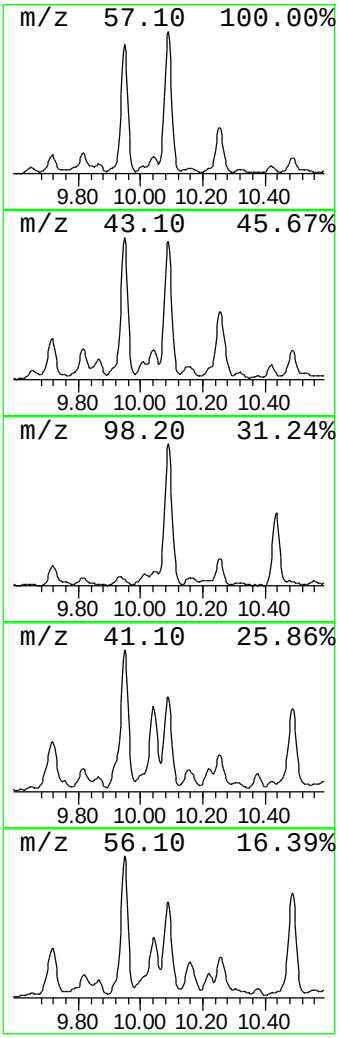
****

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	39.52 ug/L	1666610	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	86
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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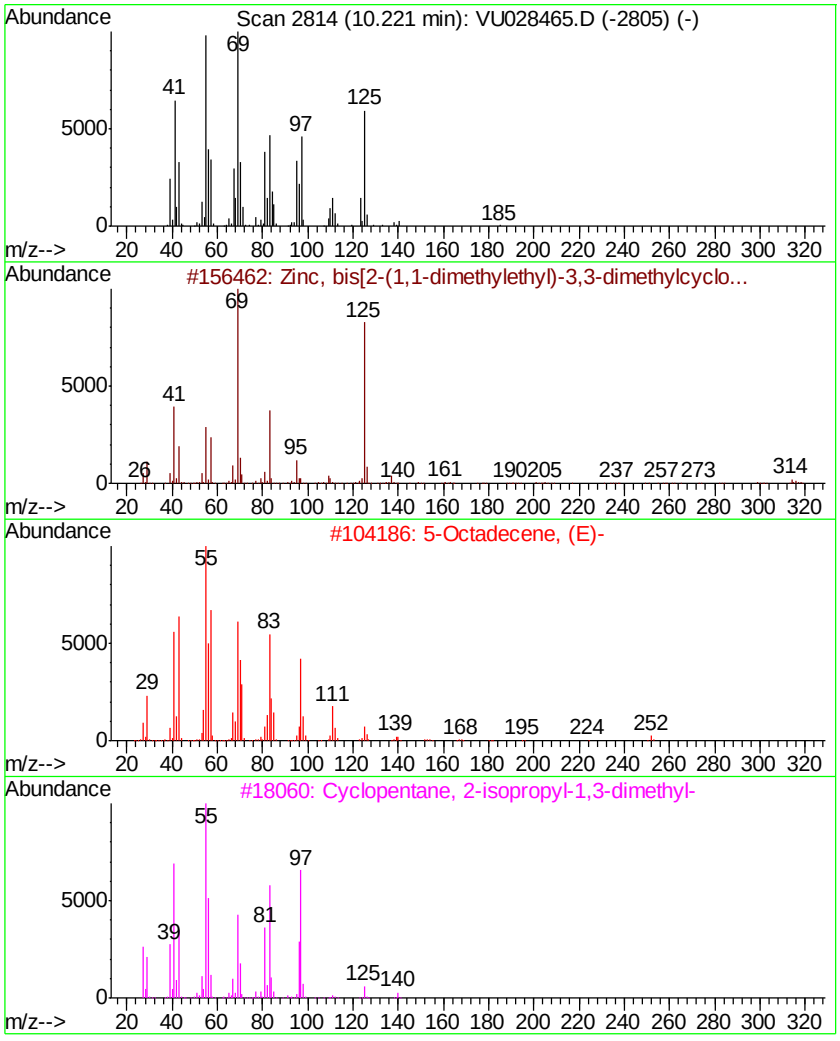
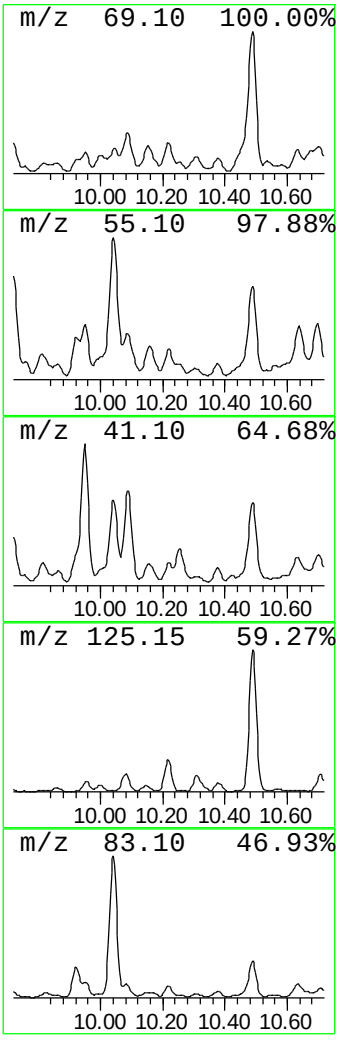
Peak Number 38 unknown-03 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	8.66 ug/L	365183	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	43
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	38
3	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38
4	11-Methyldodecanol	200	C13H28O	085763-57-1	35
5	1-Dodecanesulfonyl chloride	268	C12H25ClO2S	010147-40-7	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

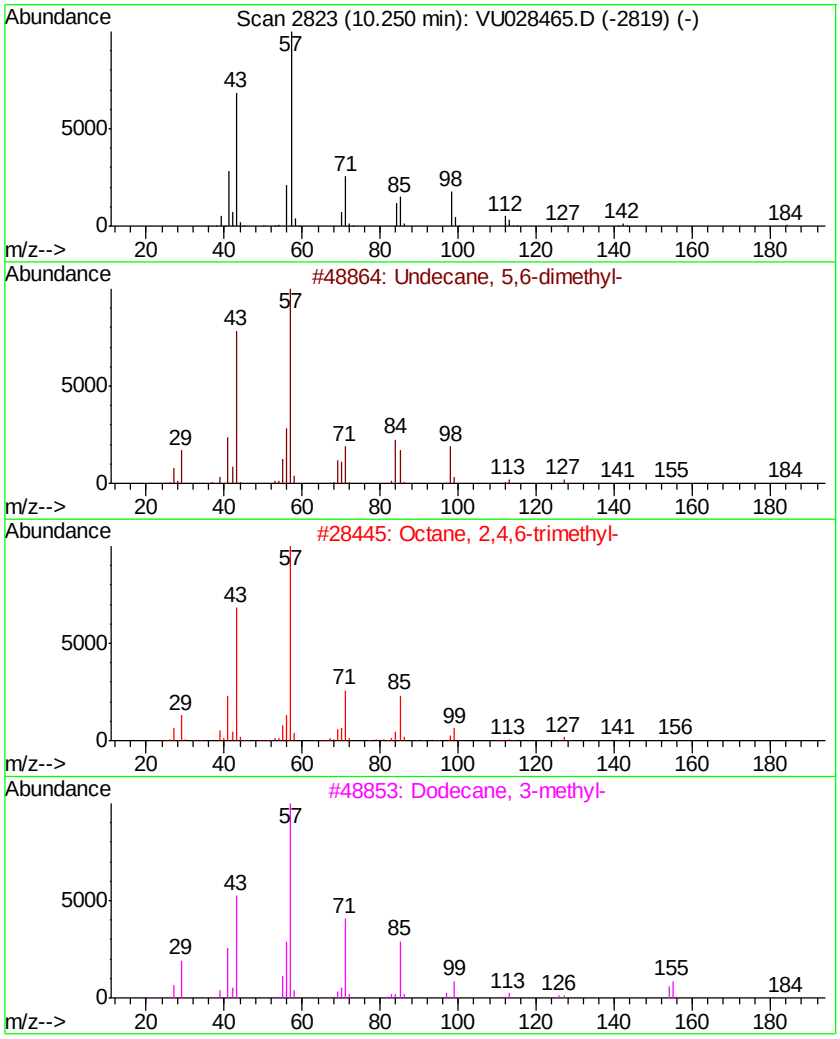
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

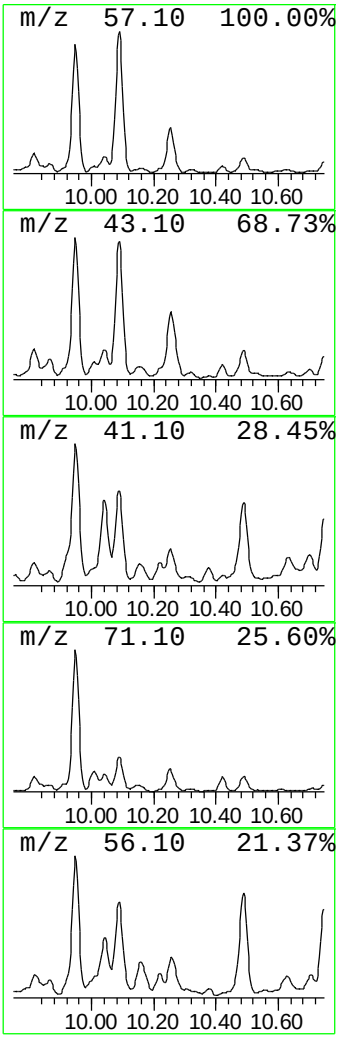
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	11.73 ug/L	494454	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	53
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
5	Decane, 5-methyl-	156	C11H24	013151-35-4	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

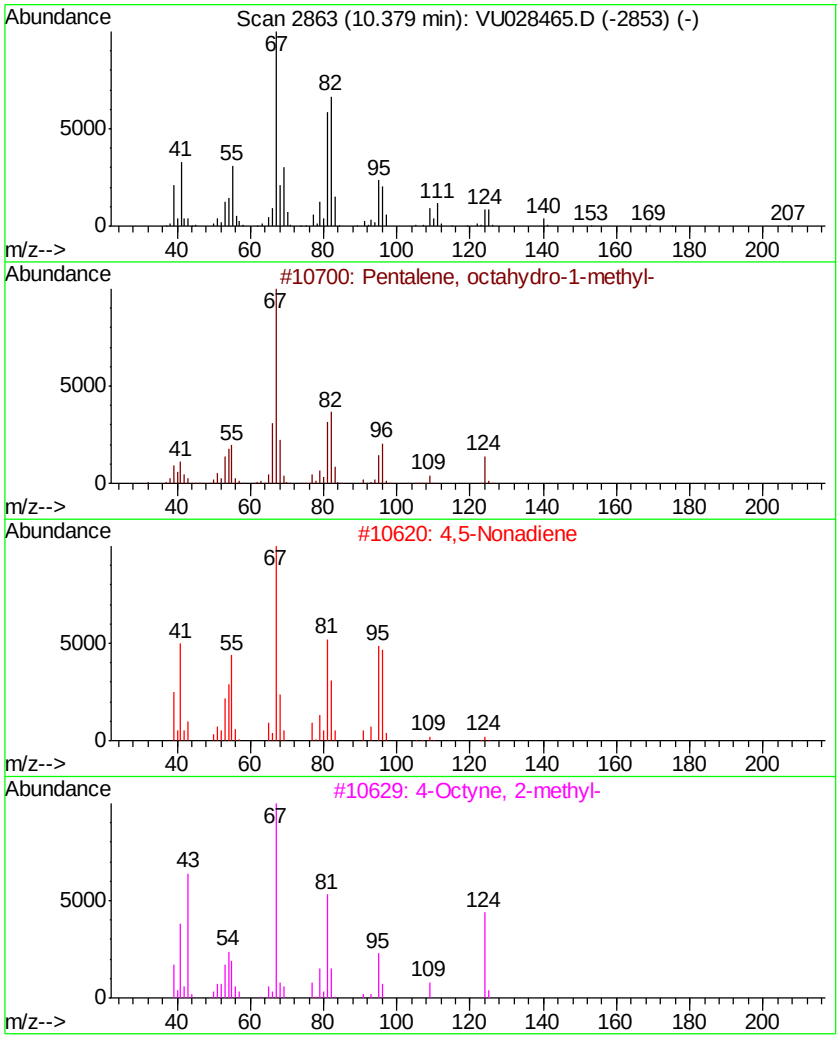
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

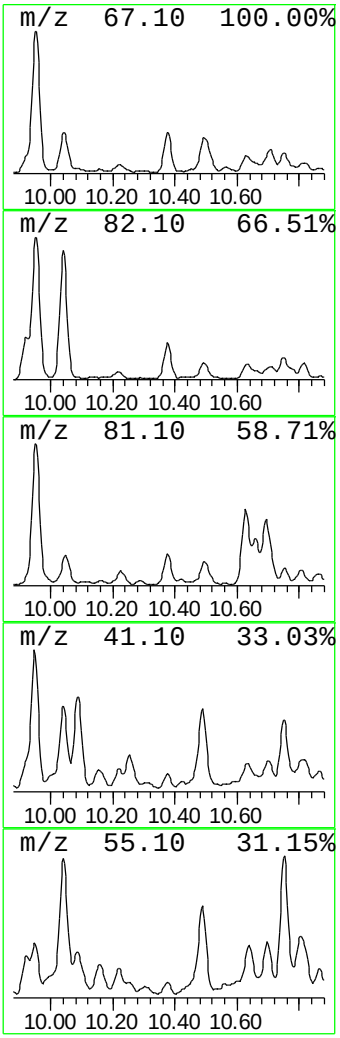
****

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	9.85 ug/L	414462	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	74
2	4,5-Nonadiene	124	C9H16	000821-74-9	58
3	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	53
4	3-Aminocrotononitrile	82	C4H6N2	001118-61-2	49
5	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

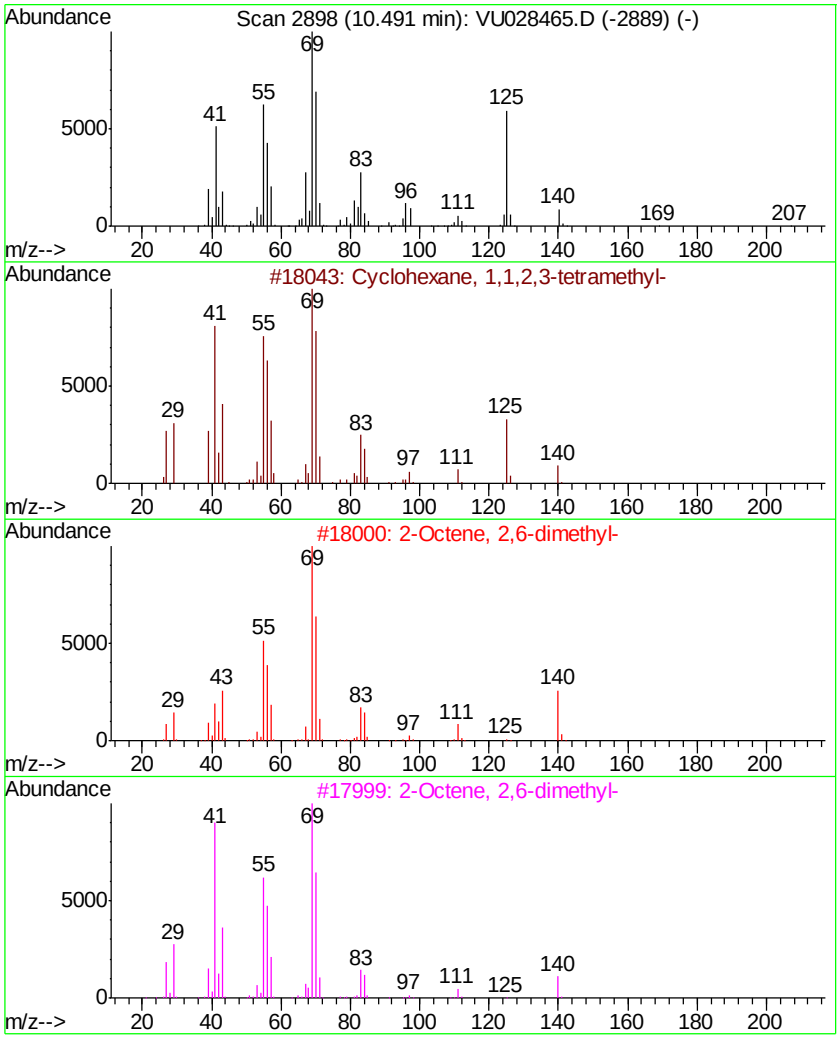
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

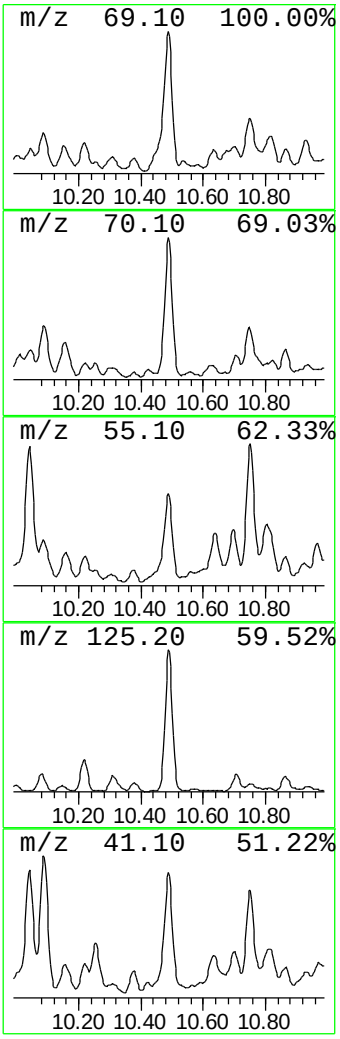
****

Peak Number 41 (DEL) Alkane: Cyclic10.49 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	45.43 ug/L	1911750	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	74
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

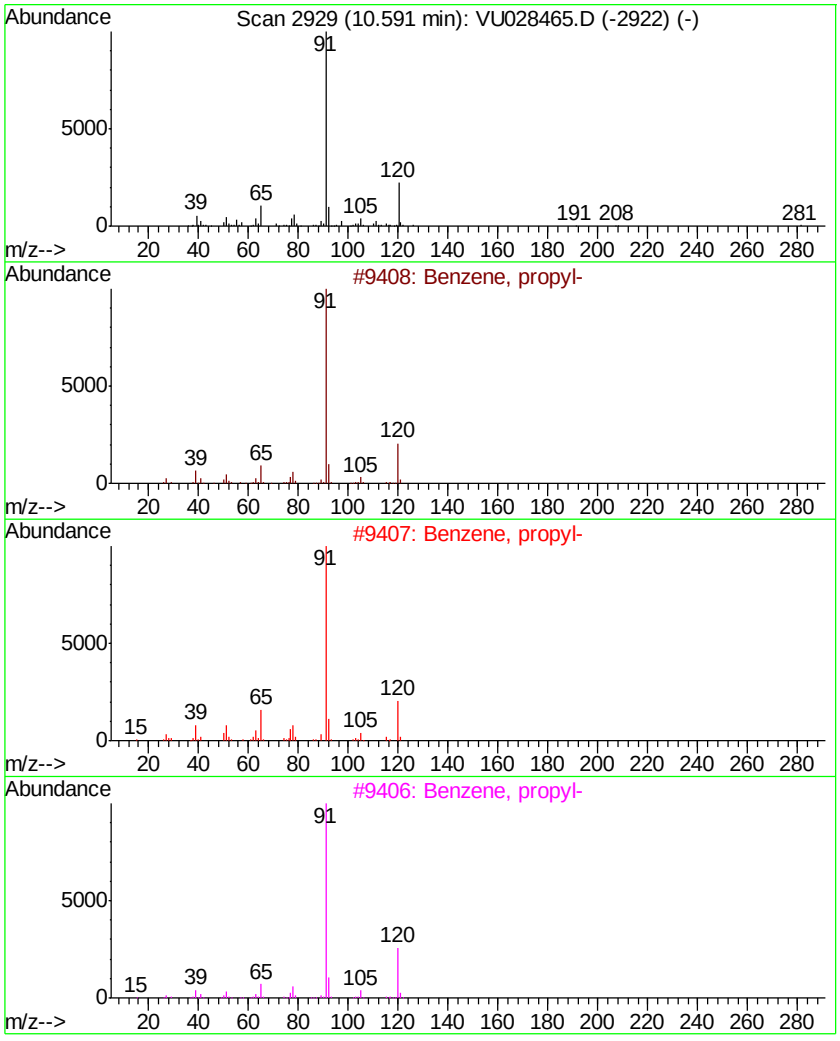
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

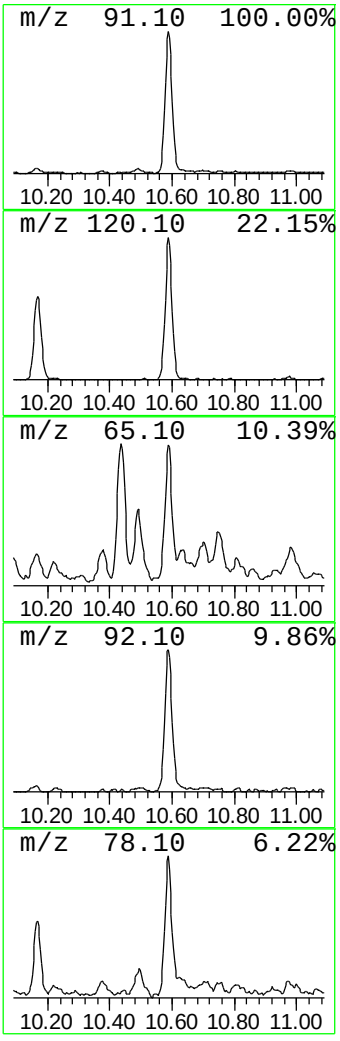
****

Peak Number 42 Benzene, propyl- Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	5.03 ug/L	211777	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	59
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

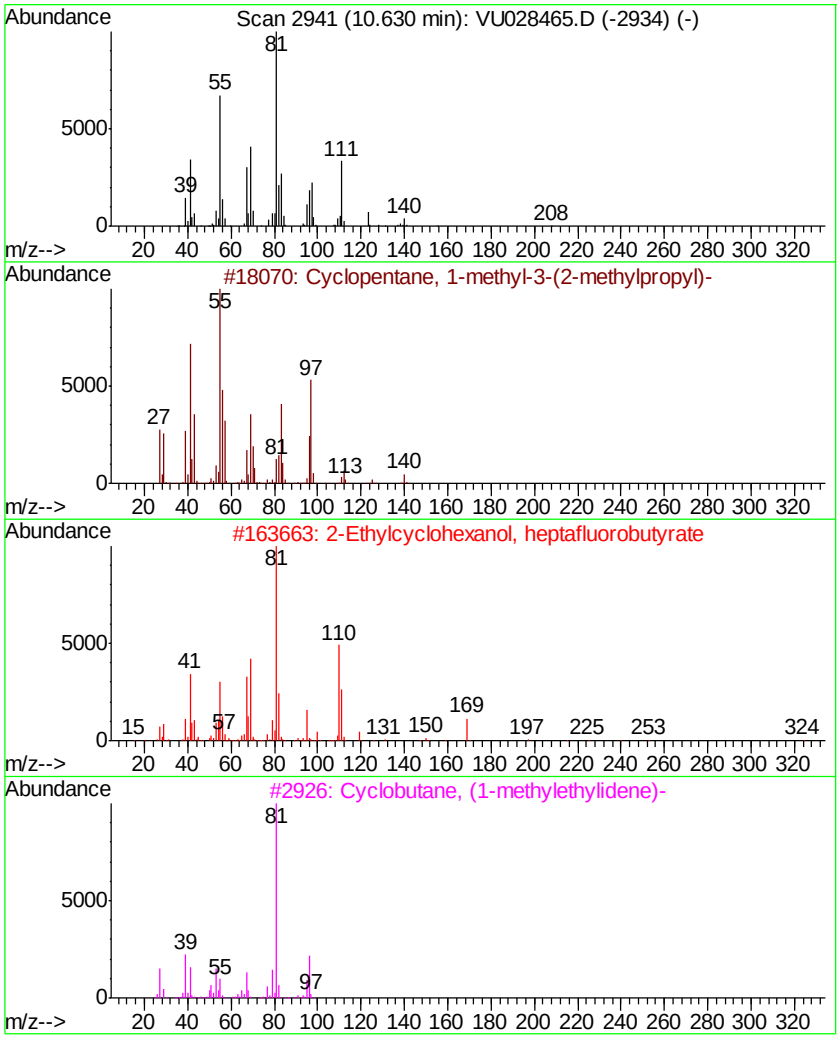
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

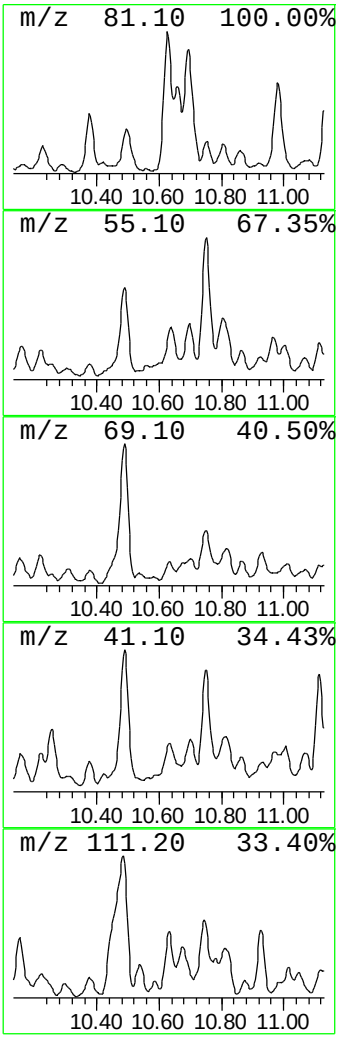
****

Peak Number 43 (DEL) Alkane: Cyclic10.63 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	16.84 ug/L	708842	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	43
2	2-Ethylcyclohexanol, heptafluoro...	324	C12H15F7O2	959079-92-6	38
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
4	1-Cyclohexylheptene	180	C13H24	114614-83-4	27
5	1-Nonylcycloheptane	224	C16H32	1000371-47-7	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

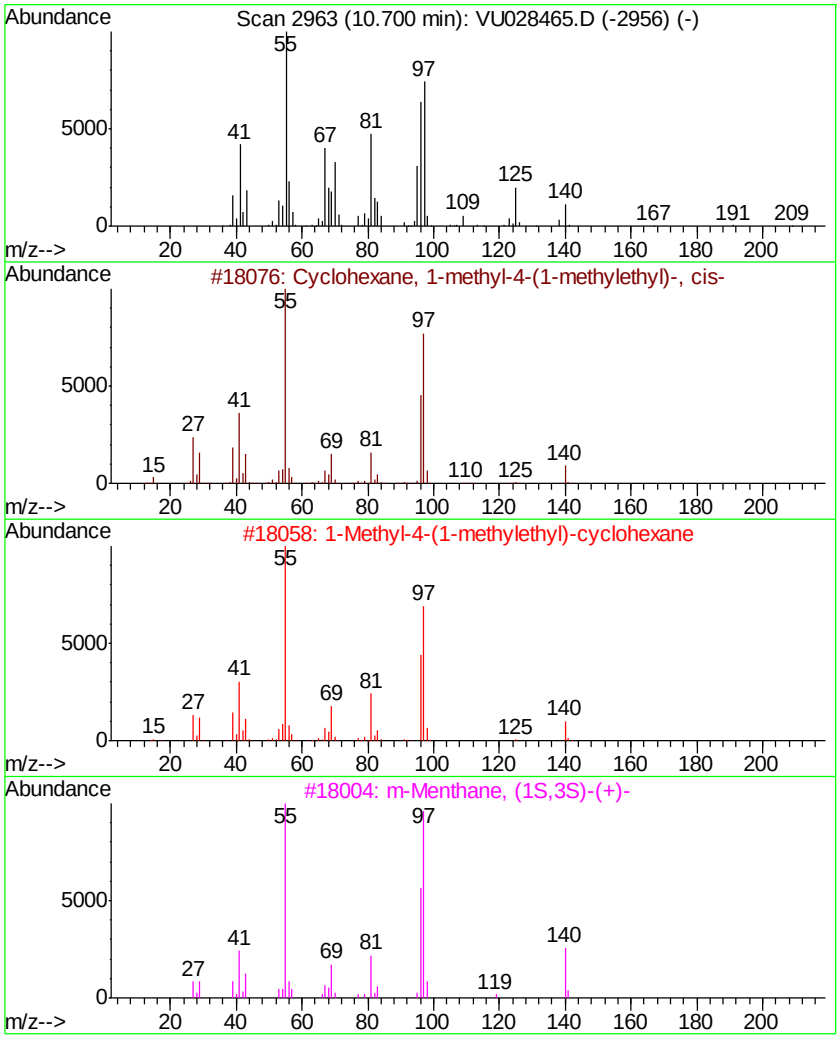
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

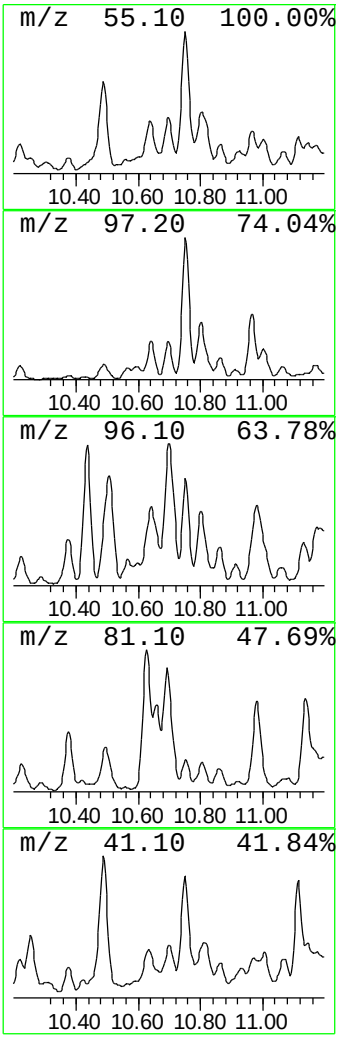
****

Peak Number 44 (DEL) Alkane: Cyclic10.70 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	16.06 ug/L	676096	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
3	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	43
4	1,1'-Bicyclohexyl, 2-methyl-, tr...	180	C13H24	050991-09-8	43
5	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

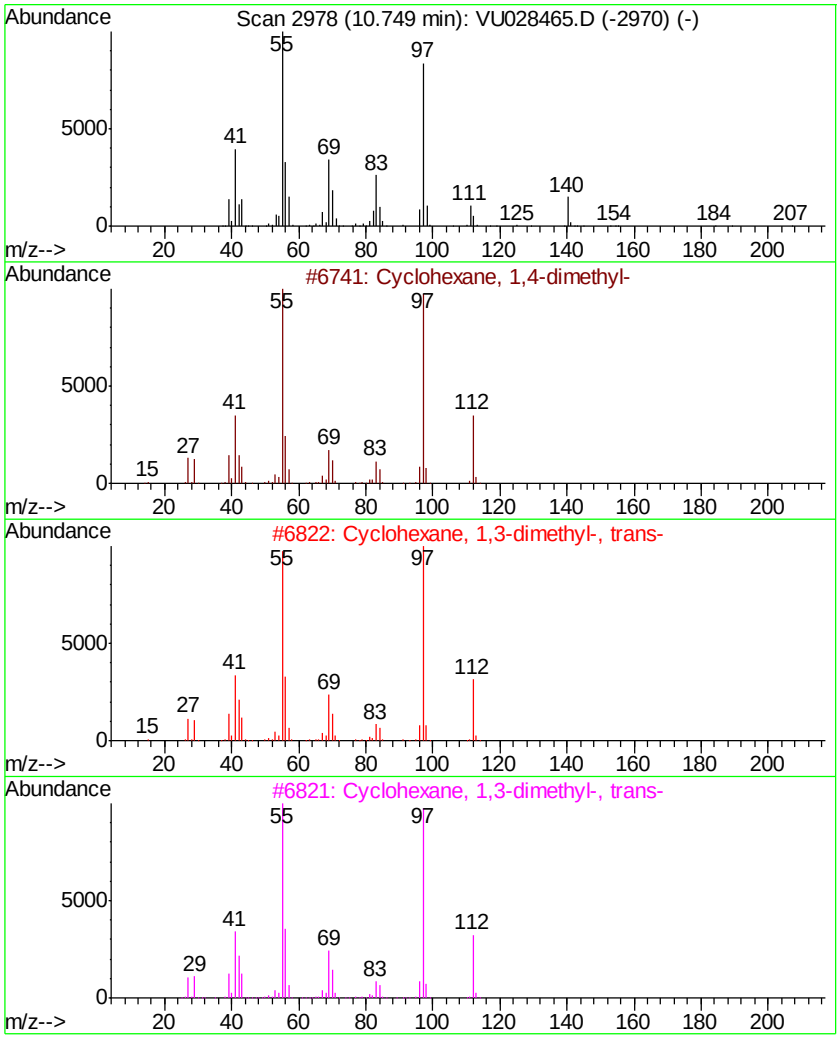
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

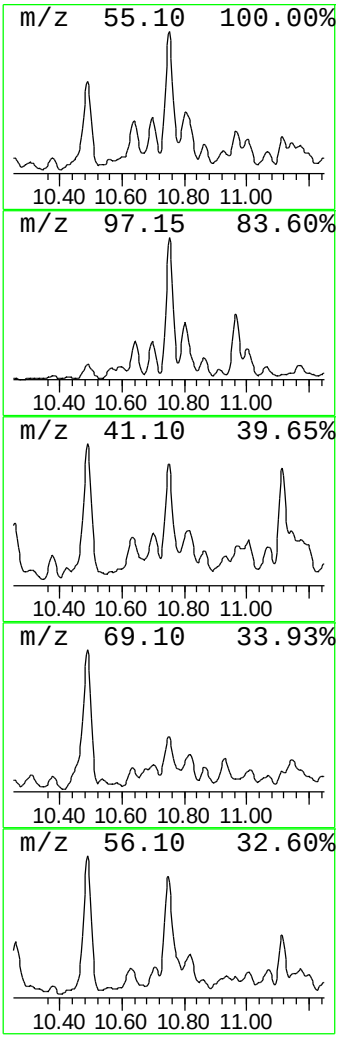
****

Peak Number 45 (DEL) Alkane: Cyclic10.75 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	36.22 ug/L	1524350	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80
5	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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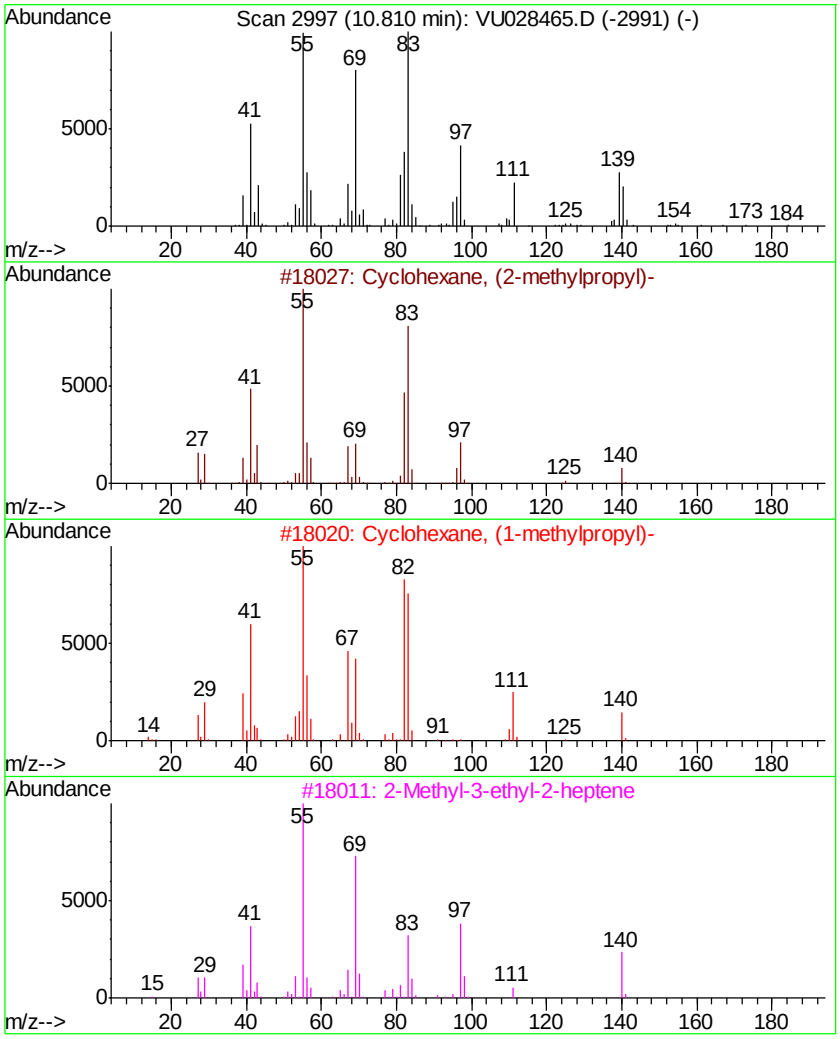
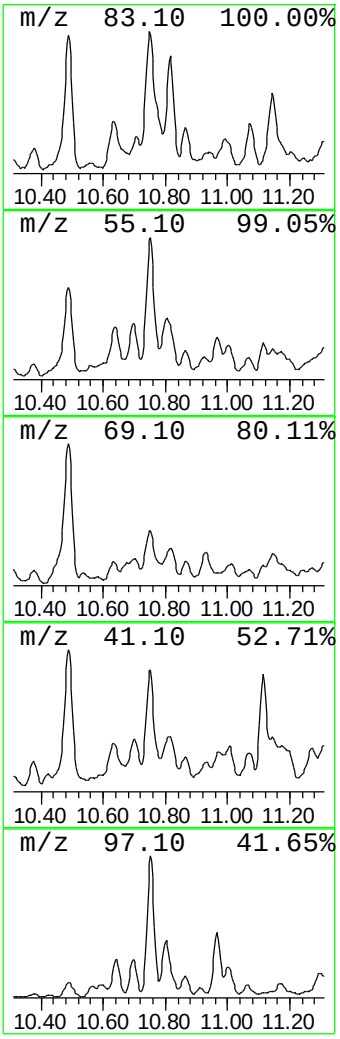
Peak Number 46 (DEL) Alkane: Cyclic10.81 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	16.95 ug/L	713347	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	46
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
3	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	43
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	41
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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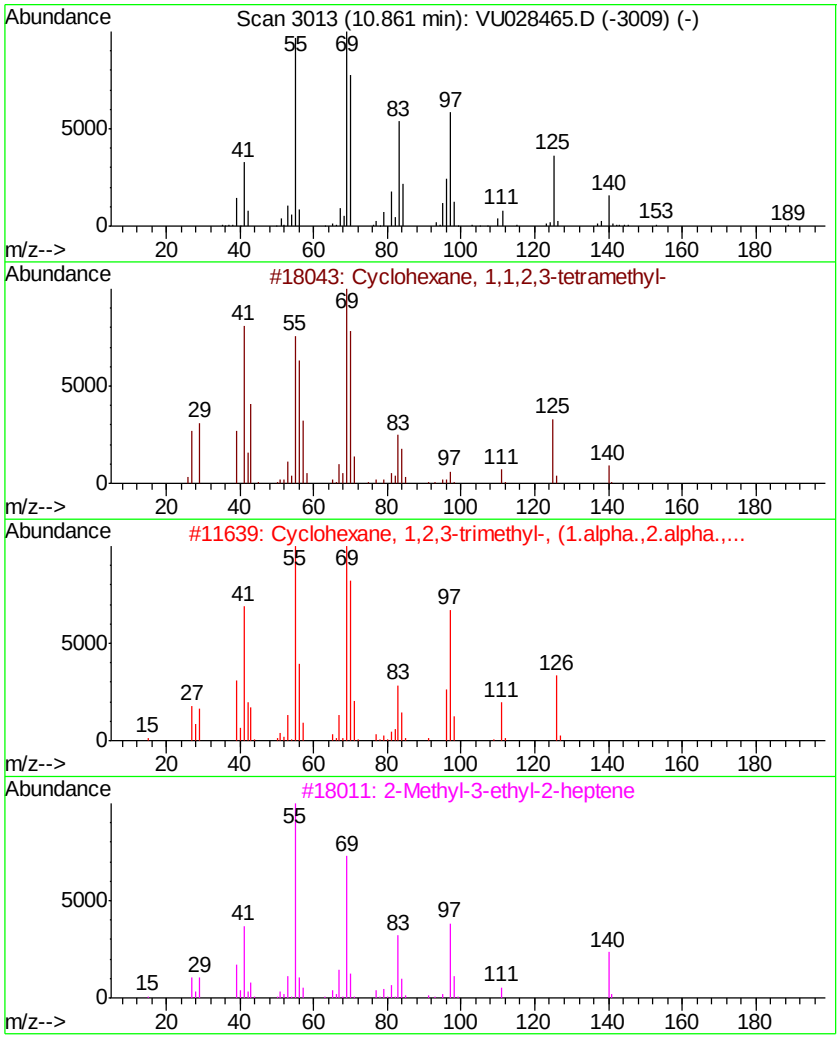
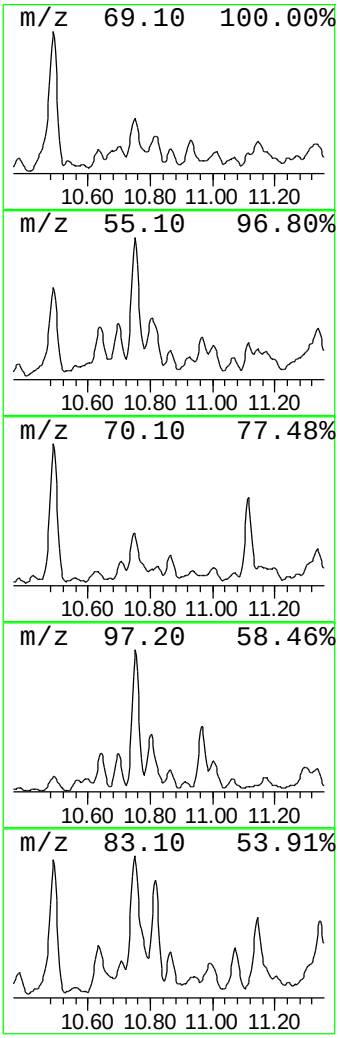
Peak Number 47 (DEL) Alkane: Cyclic10.86 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	5.13 ug/L	215721	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	64
3	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	53
4	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	50
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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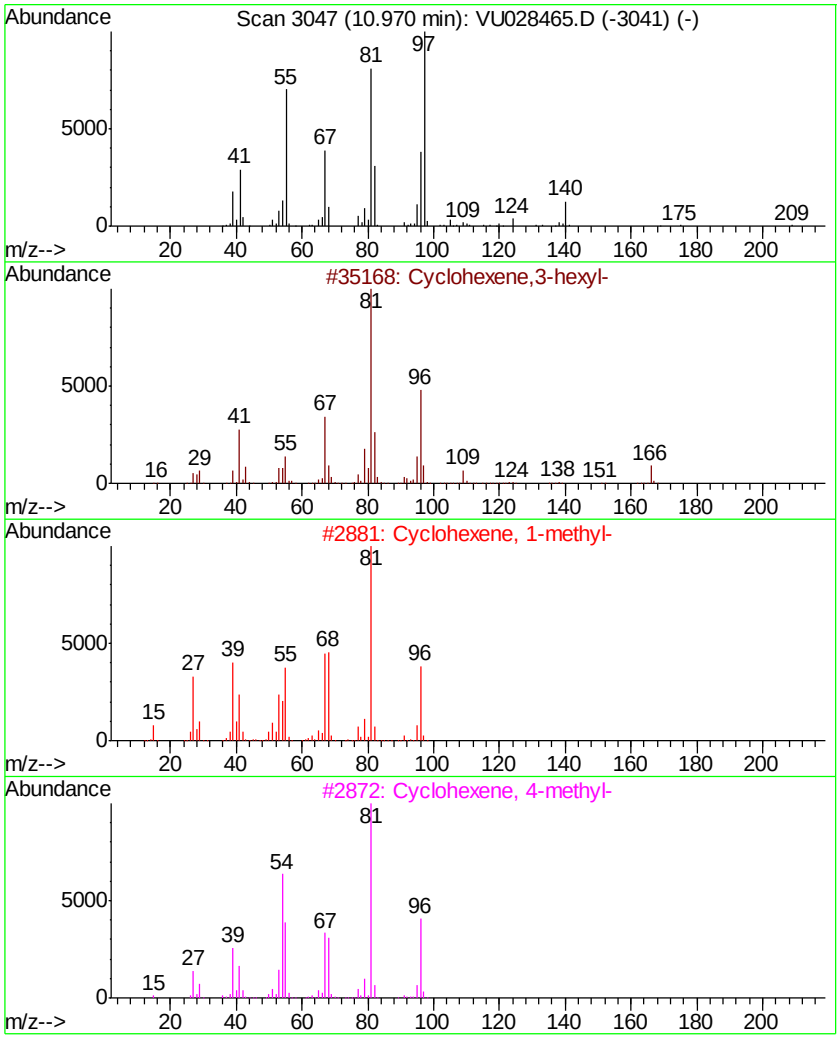
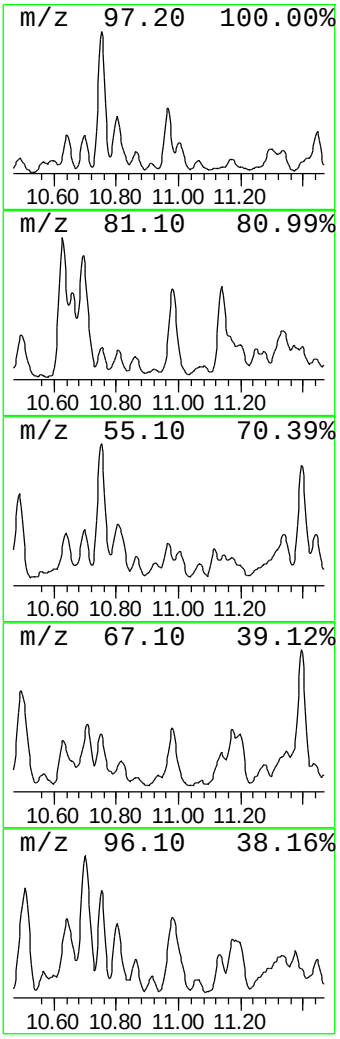
Peak Number 48 Cyclohexene,3-hexyl- Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	6.50 ug/L	273505	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	59
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	58
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
5	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1000193-87-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

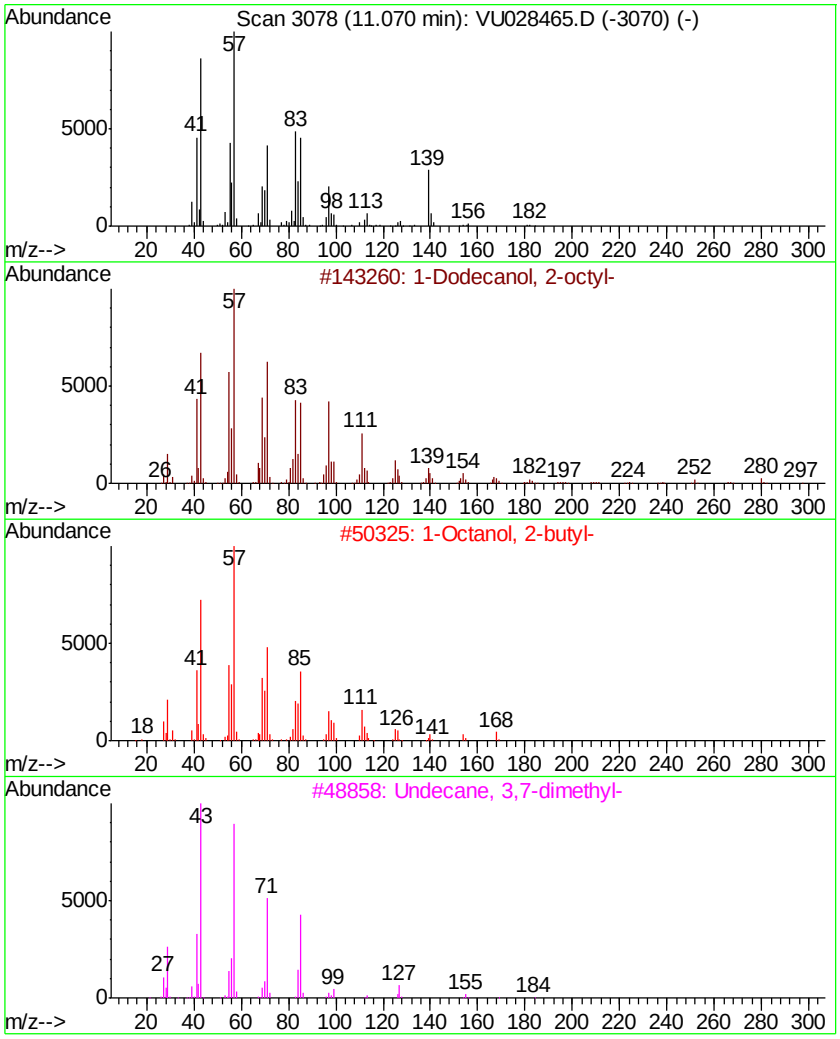
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

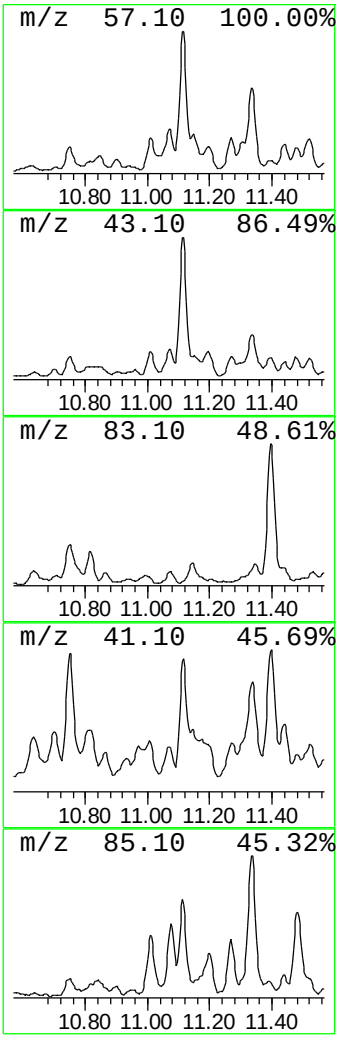
****

Peak Number 49 unknown-04 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	6.13 ug/L	257836	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	47
2	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43
3	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	43
4	Ether, 6-methylheptyl vinyl	156	C10H20O	010573-35-0	38
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

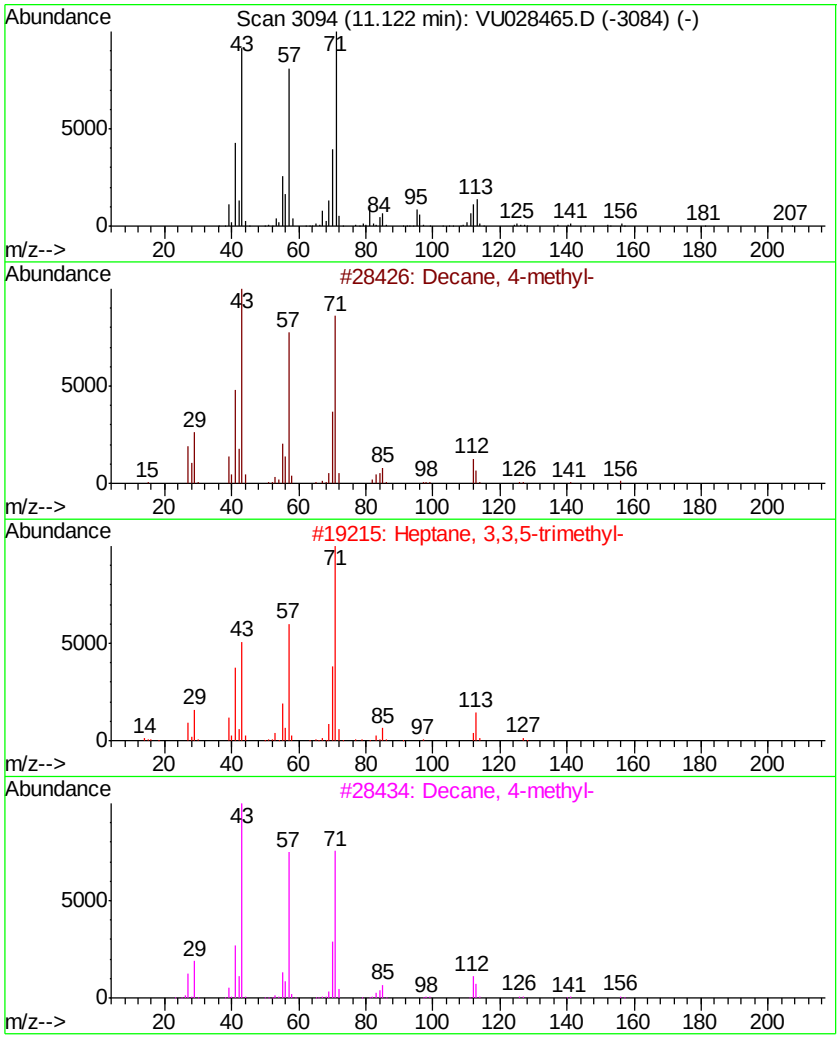
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

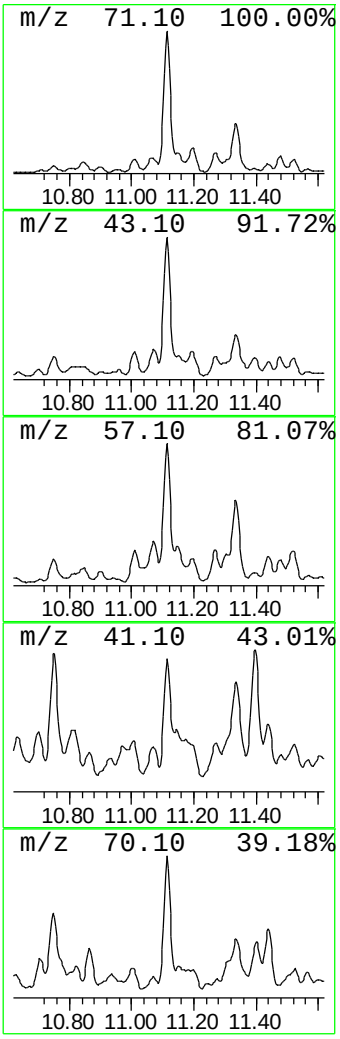
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	26.82 ug/L	1128620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
3	Decane, 4-methyl-	156	C11H24	002847-72-5	74
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

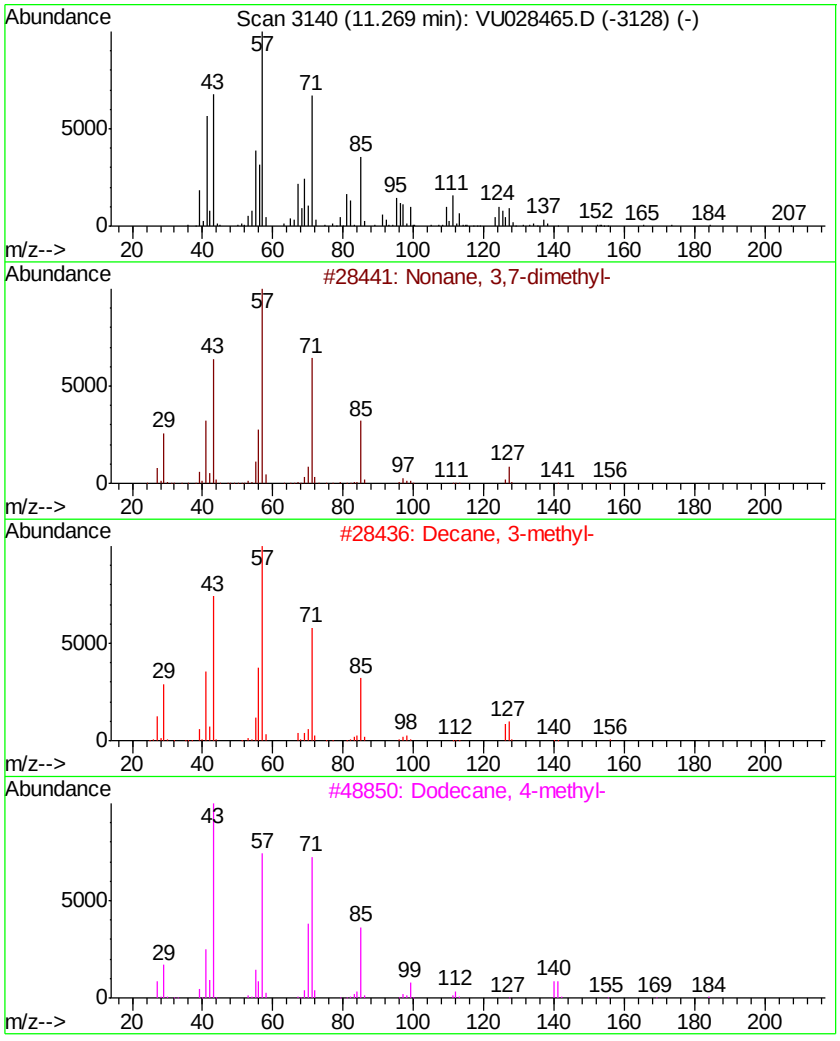
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

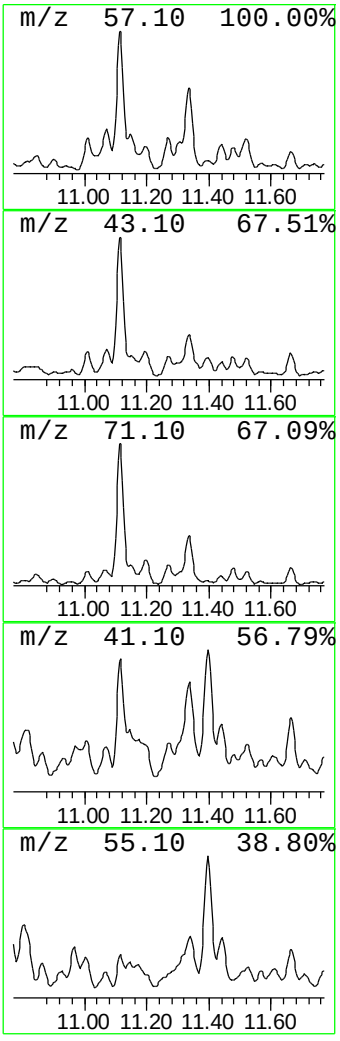
****

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	10.70 ug/L	450381	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	50
2	Decane, 3-methyl-	156	C11H24	013151-34-3	45
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	43
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	43
5	Dodecane	170	C12H26	000112-40-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

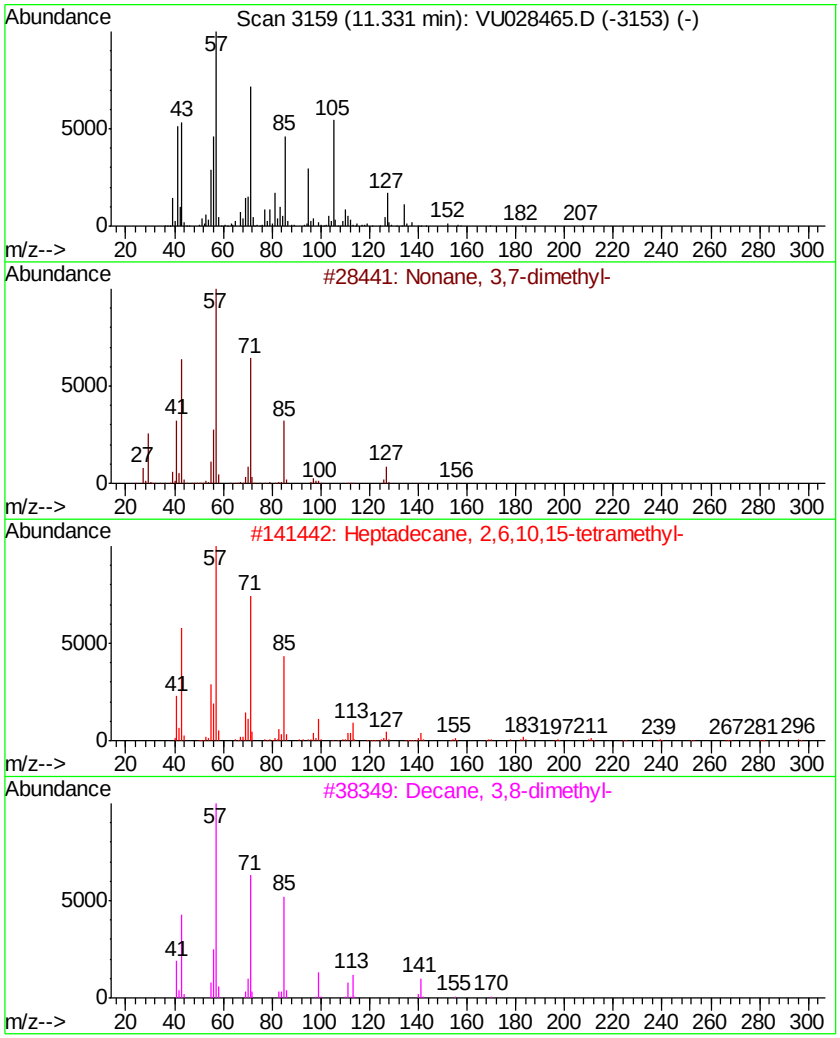
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

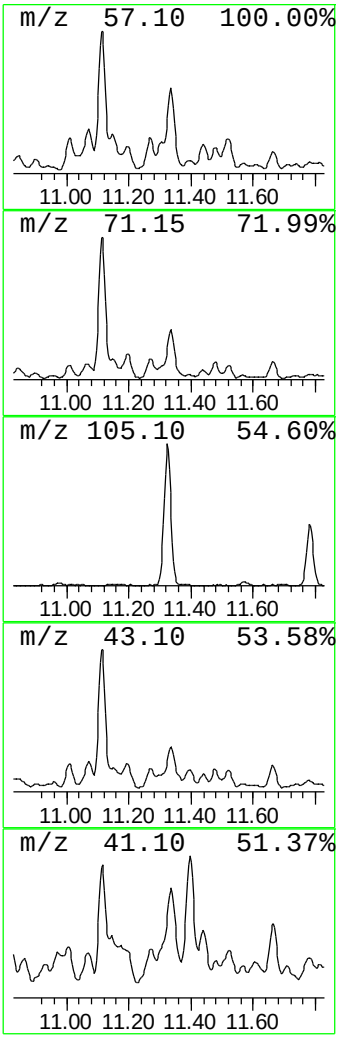
****

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	23.16 ug/L	974827	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	64
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	43
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	43
4	Tetradecane	198	C14H30	000629-59-4	43
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

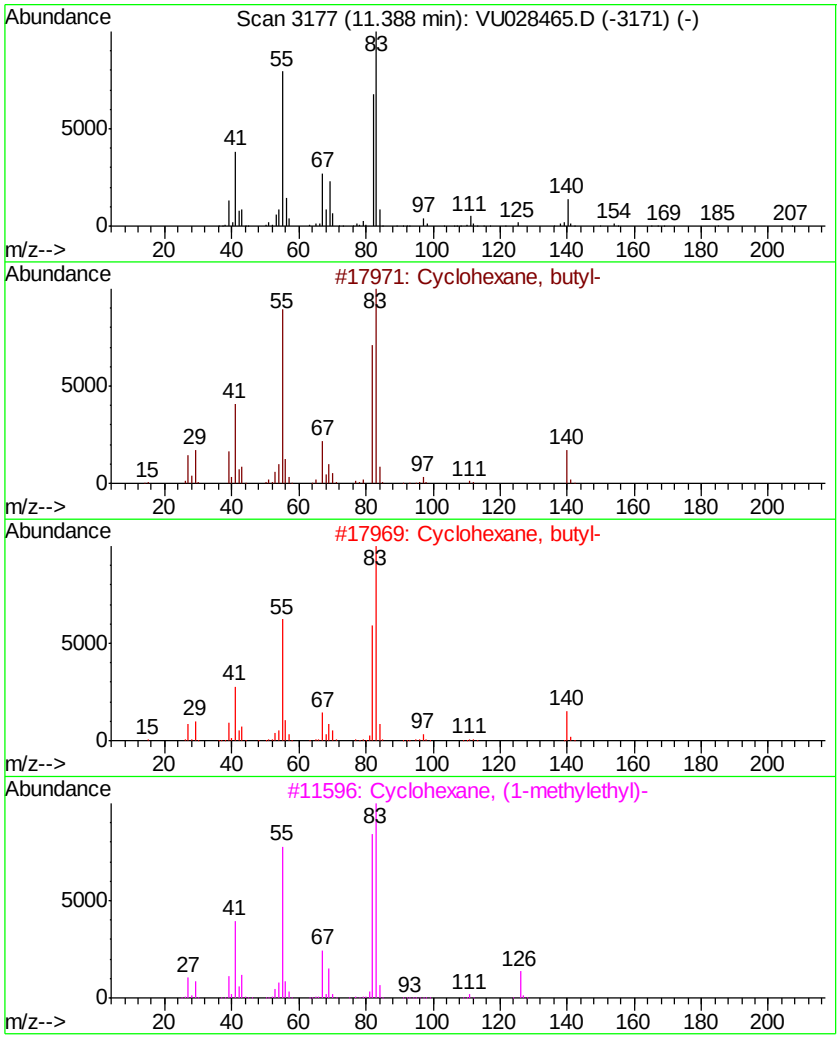
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

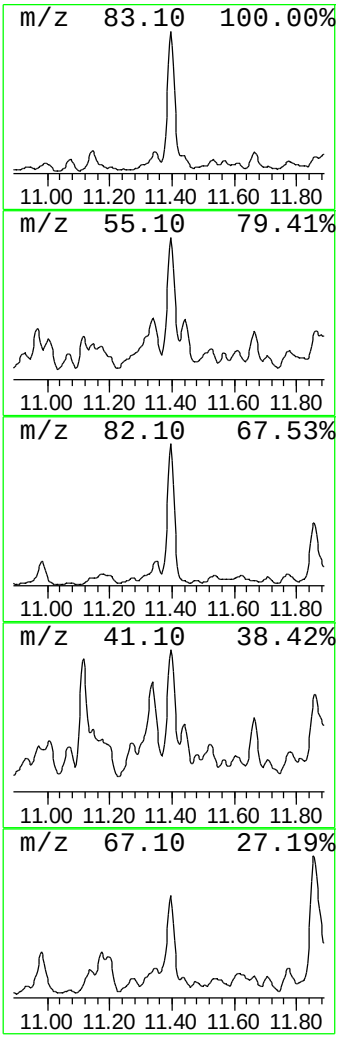
****

Peak Number 53 (DEL) Alkane: Cyclic11.39 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	24.63 ug/L	1036410	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	83
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

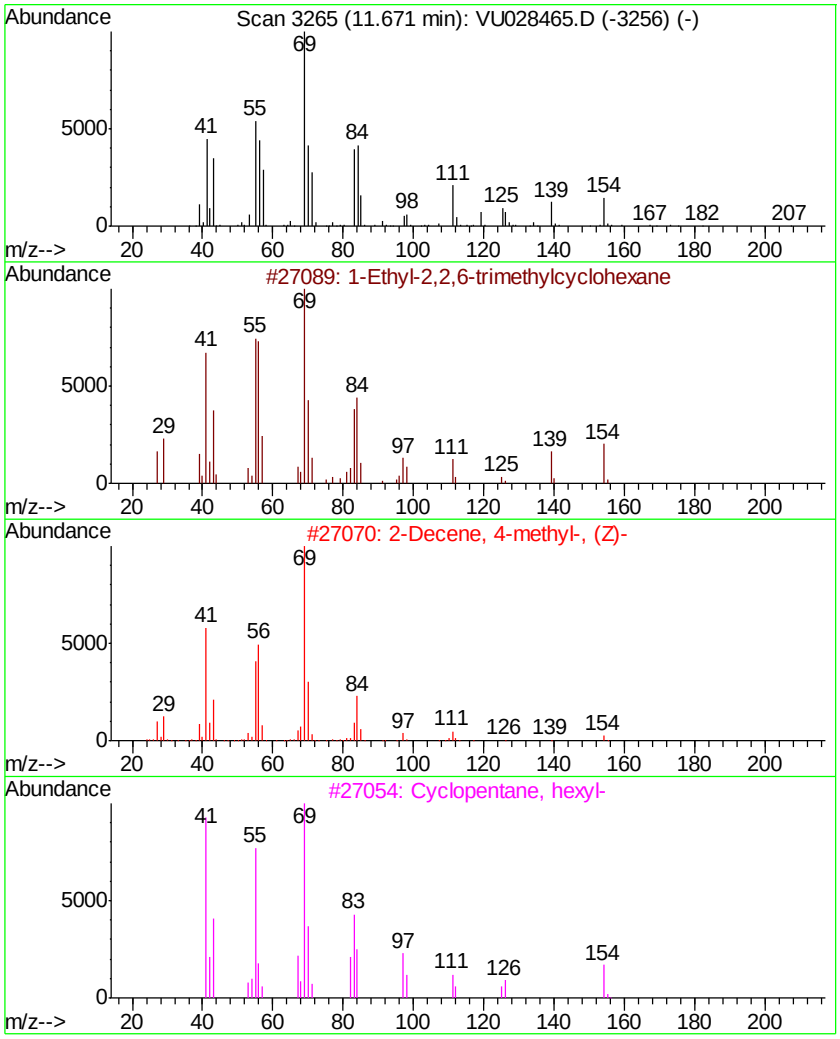
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

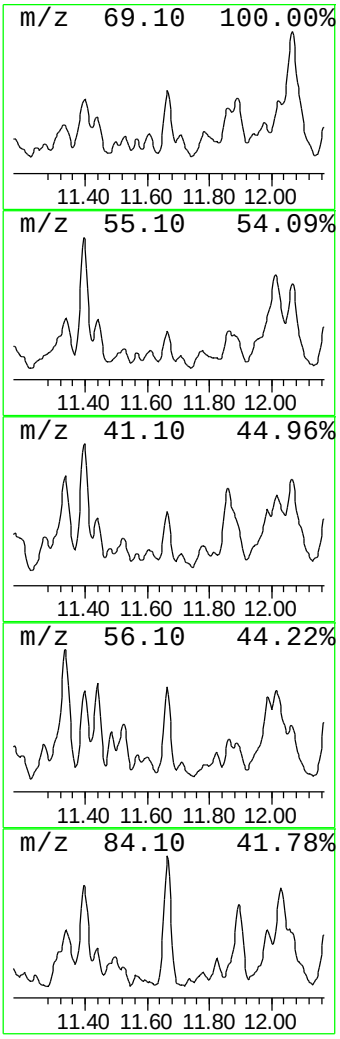
****

Peak Number 54 (DEL) Alkane: Cyclic11.67 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	10.73 ug/L	451442	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	91
2	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	64
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
4	11-Methyldodecanol	200	C13H28O	085763-57-1	50
5	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

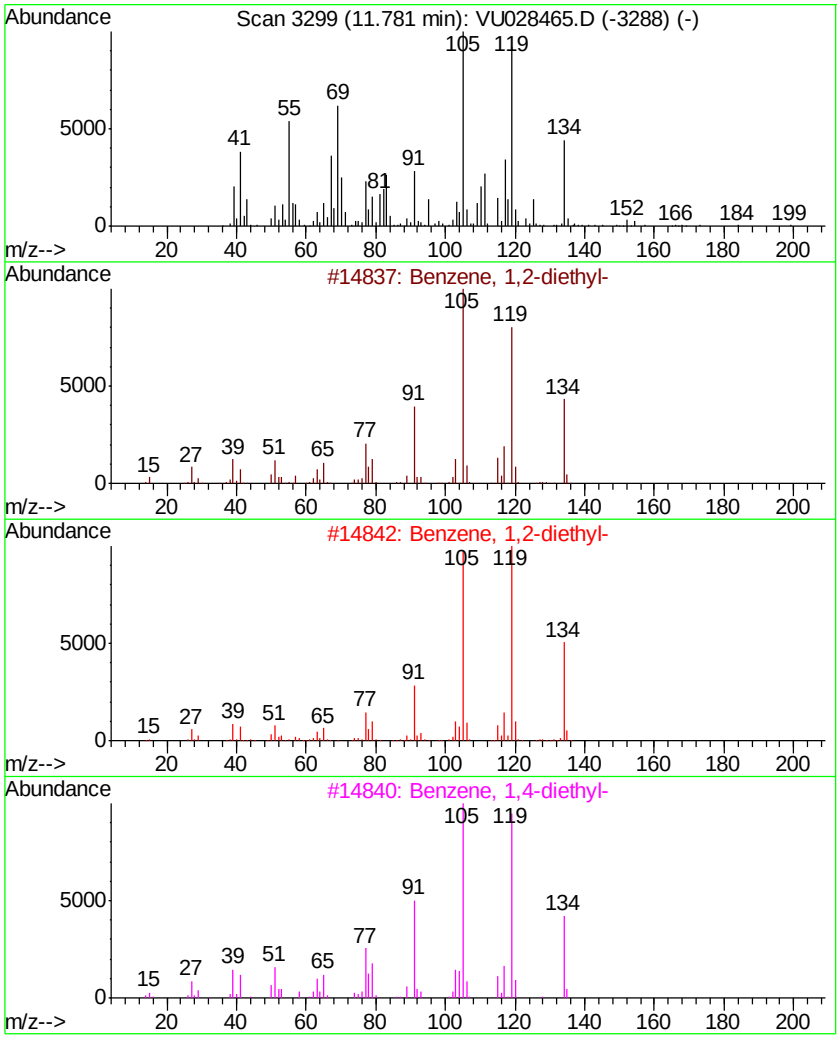
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

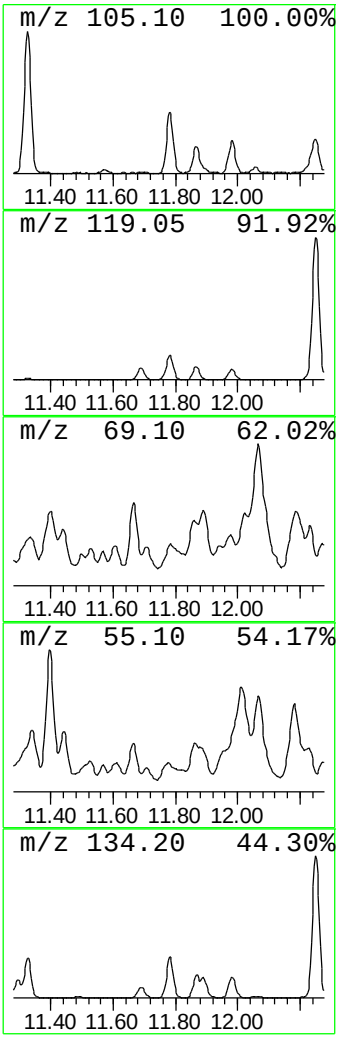
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	16.24 ug/L	683326	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	83
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	46
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	46
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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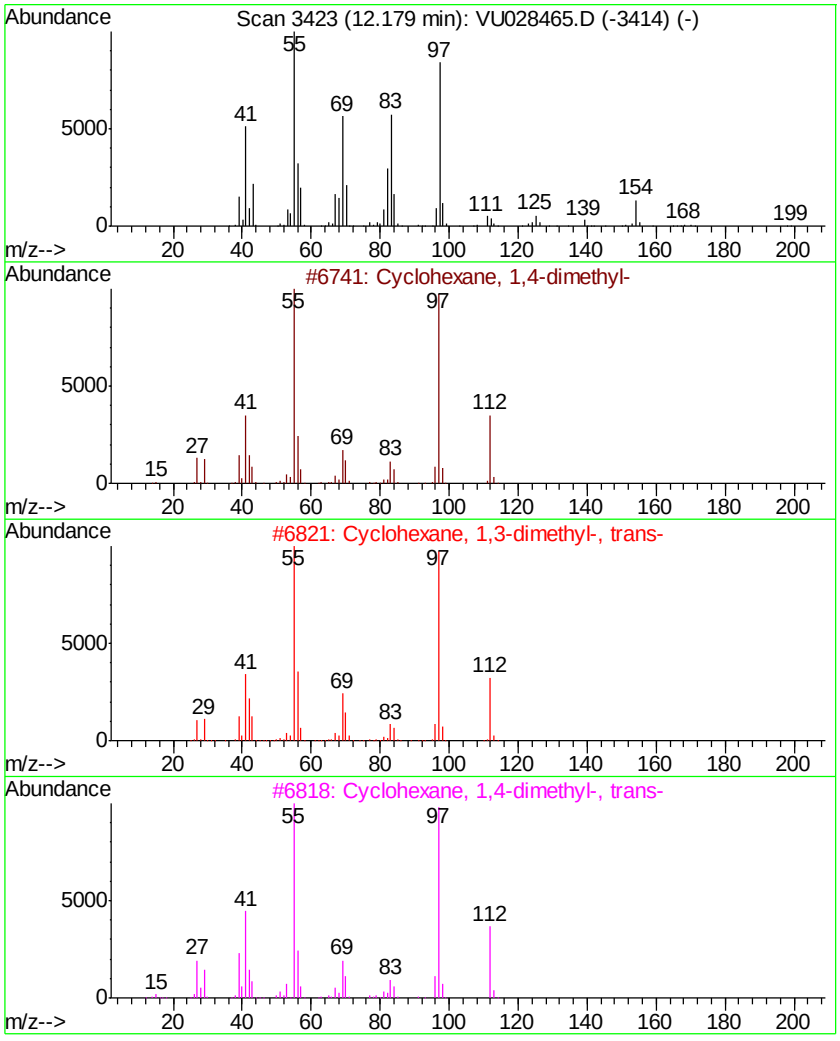
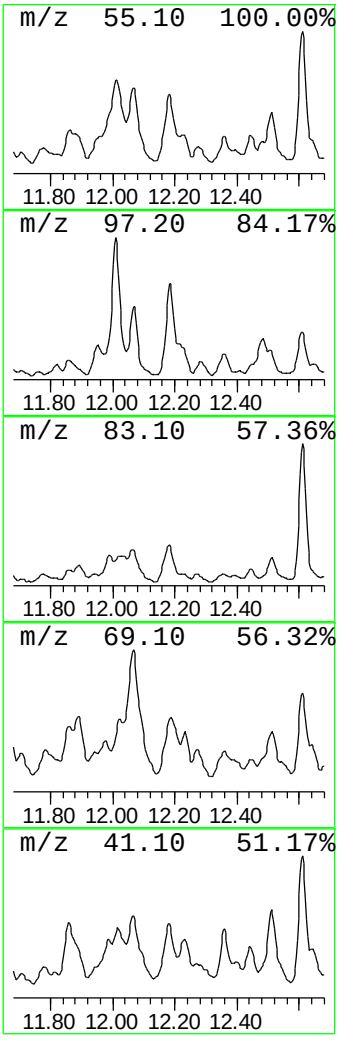
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	20.86 ug/L	877740	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	58
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
5	Cycloheptane, methyl-	112	C8H16	004126-78-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

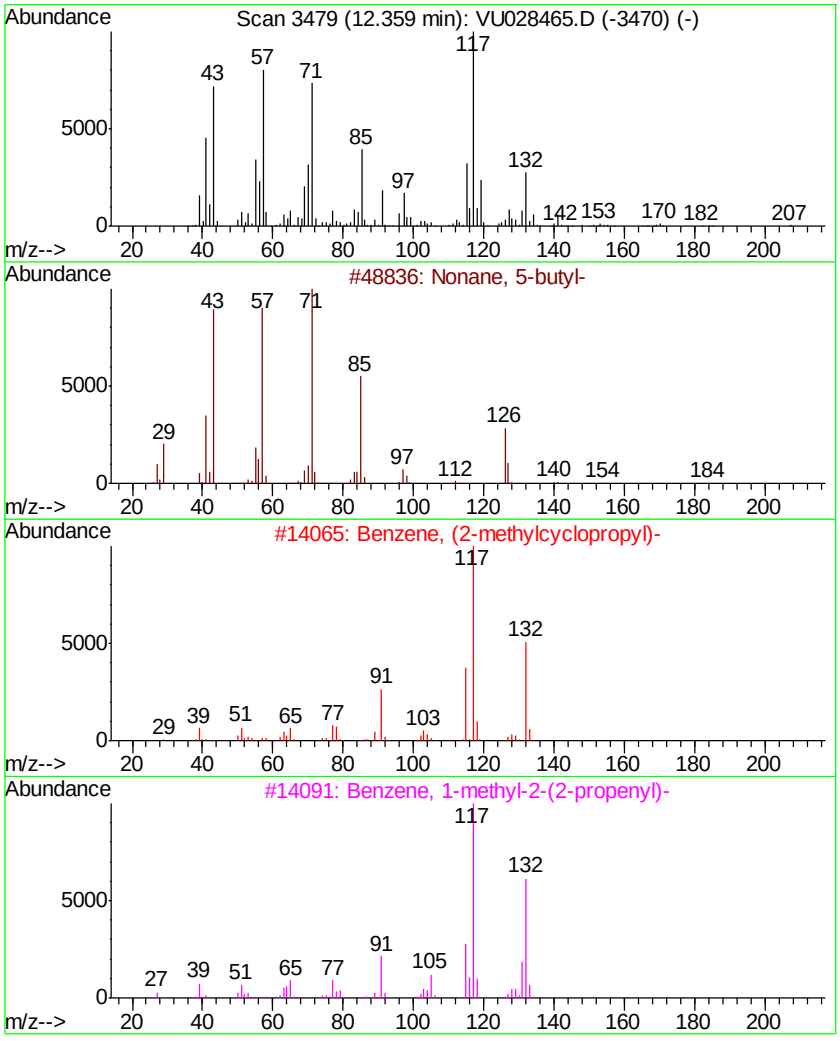
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

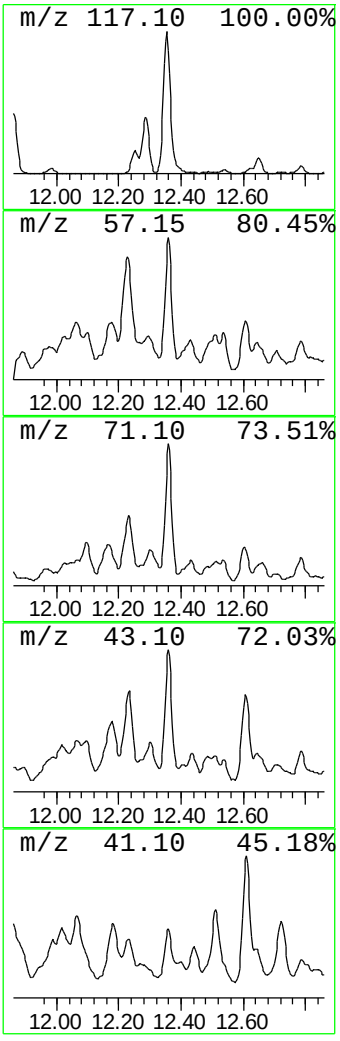
****

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	37.49 ug/L	1577930	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	46
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	42
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	42
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	38
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

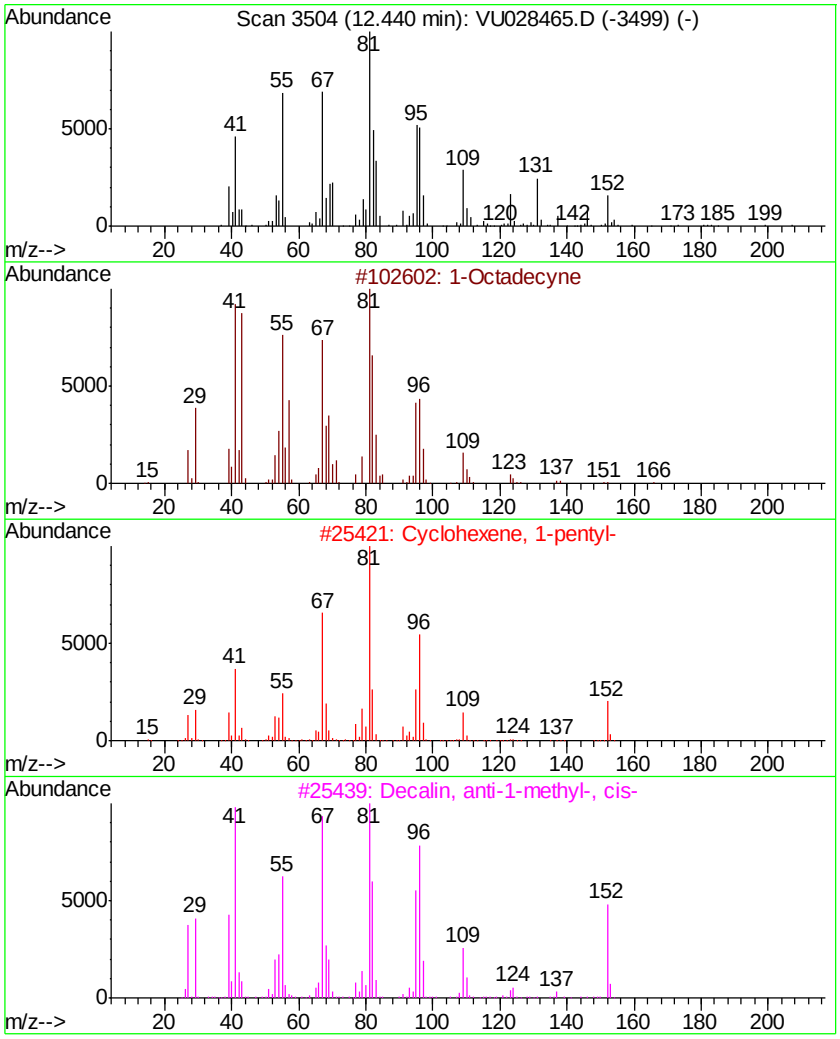
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

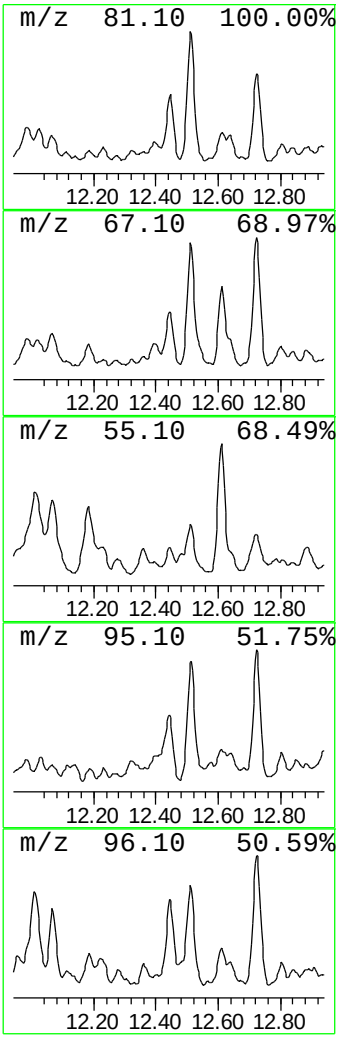
****

Peak Number 58 1-Octadecyne Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	10.49 ug/L	441531	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecyne	250	C18H34	000629-89-0	64
2	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	64
3	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	64
4	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	60
5	9-Eicosyne	278	C20H38	071899-38-2	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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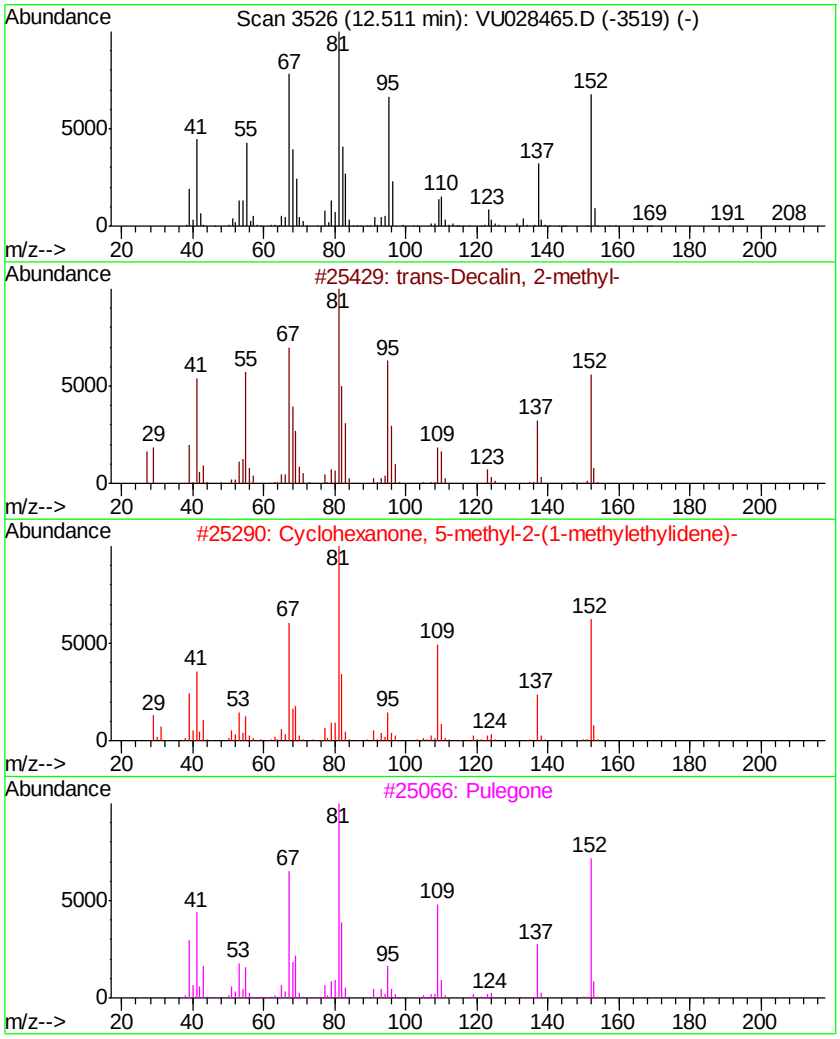
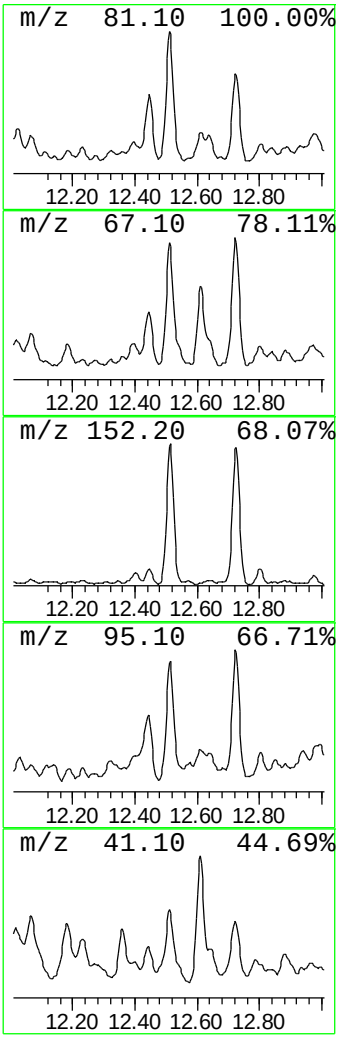
Peak Number 59 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	41.10 ug/L	1729790	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
3	Pulegone	152	C10H16O	000089-82-7	74
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	72
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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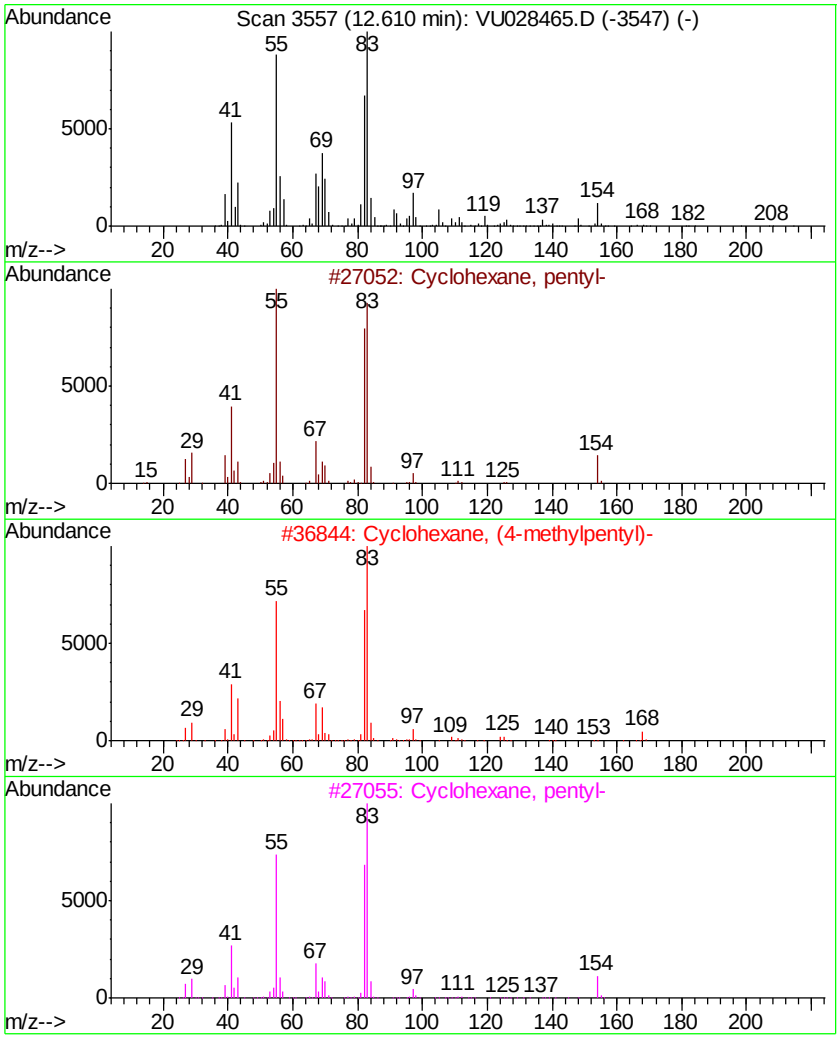
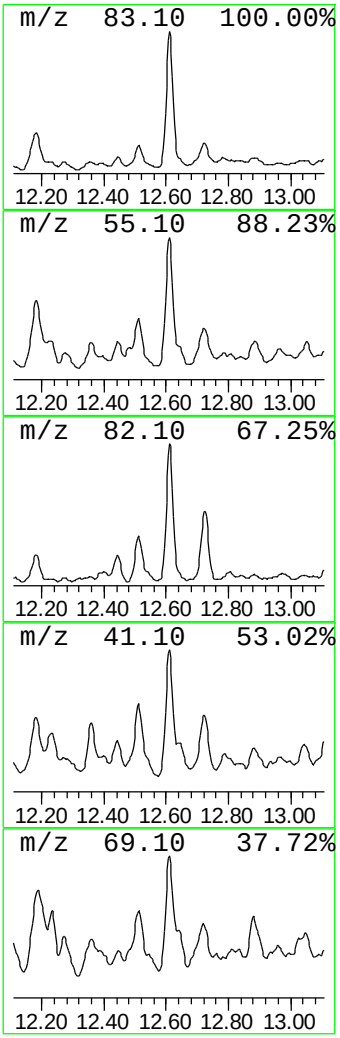
Peak Number 60 (DEL) Alkane: Cyclic12.61 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	46.72 ug/L	1966050	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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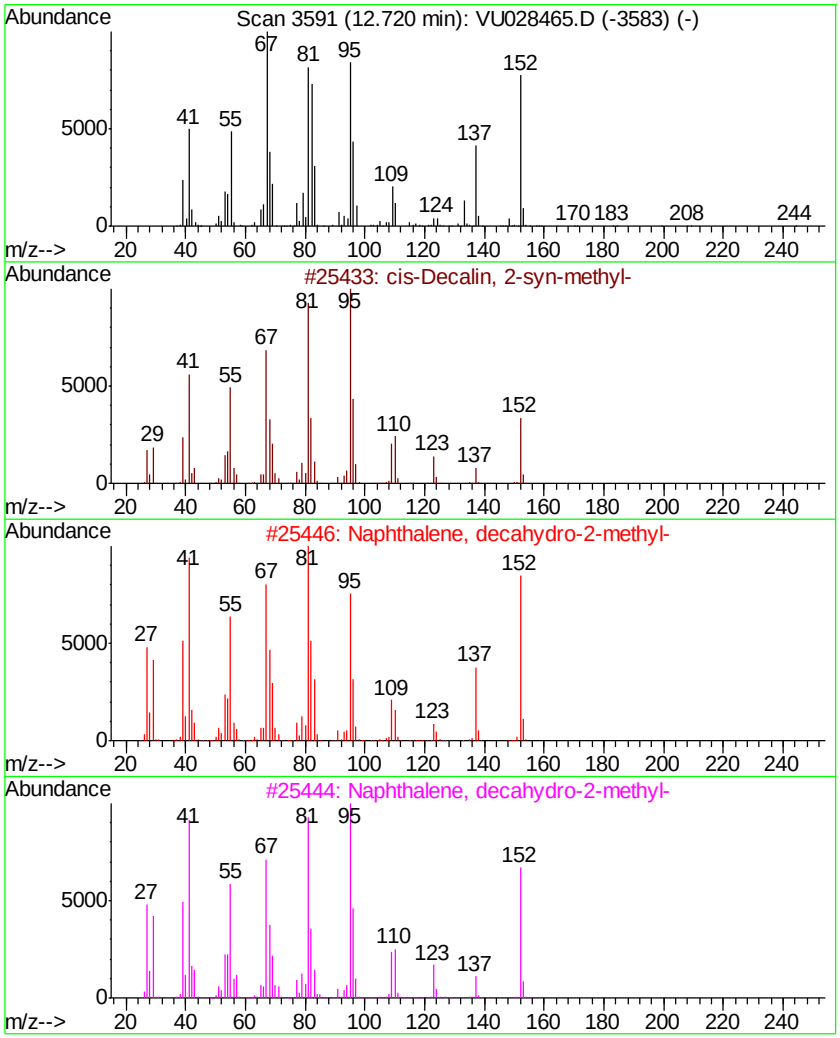
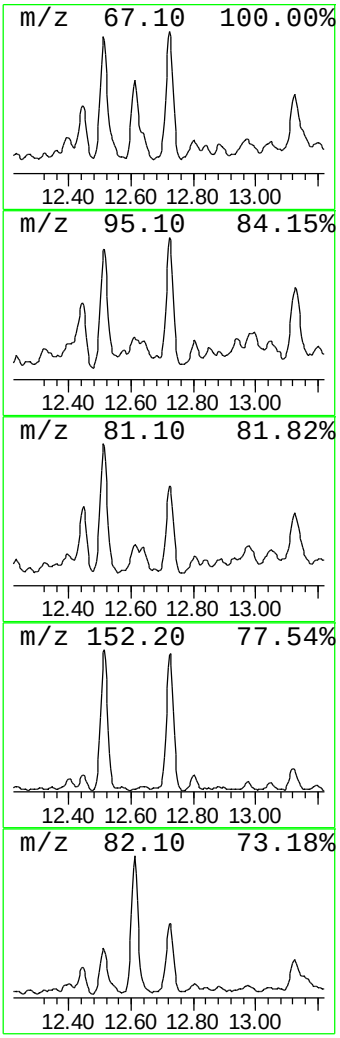
Peak Number 61 cis-Decalin, 2-syn-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	27.56 ug/L	1159960	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	81
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

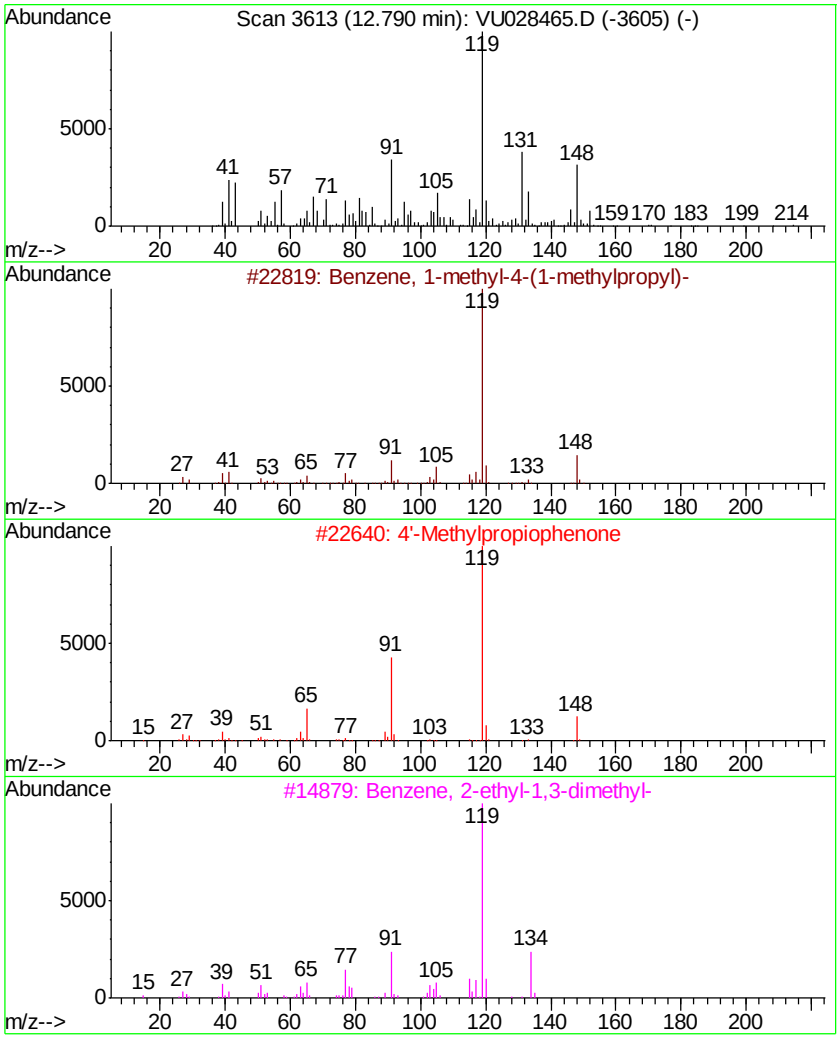
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

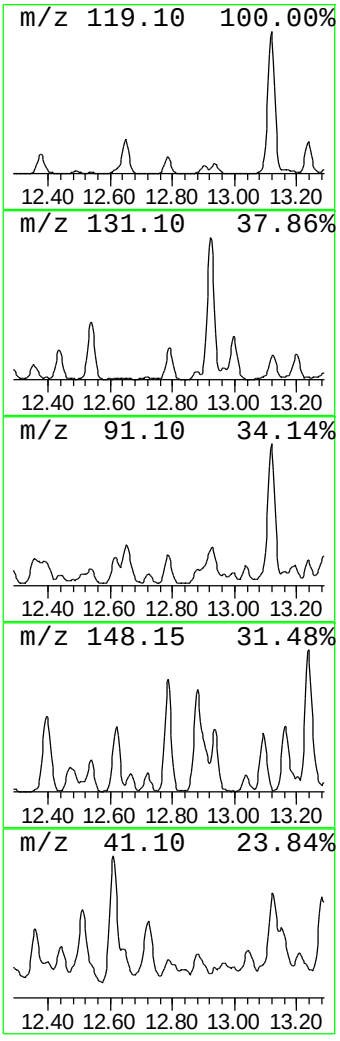
****

Peak Number 62 Benzene, 1-methyl-4-(1-meth... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	11.56 ug/L	486300	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	70
2	4'-Methylpropiophenone	148	C10H12O	005337-93-9	52
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
5	3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

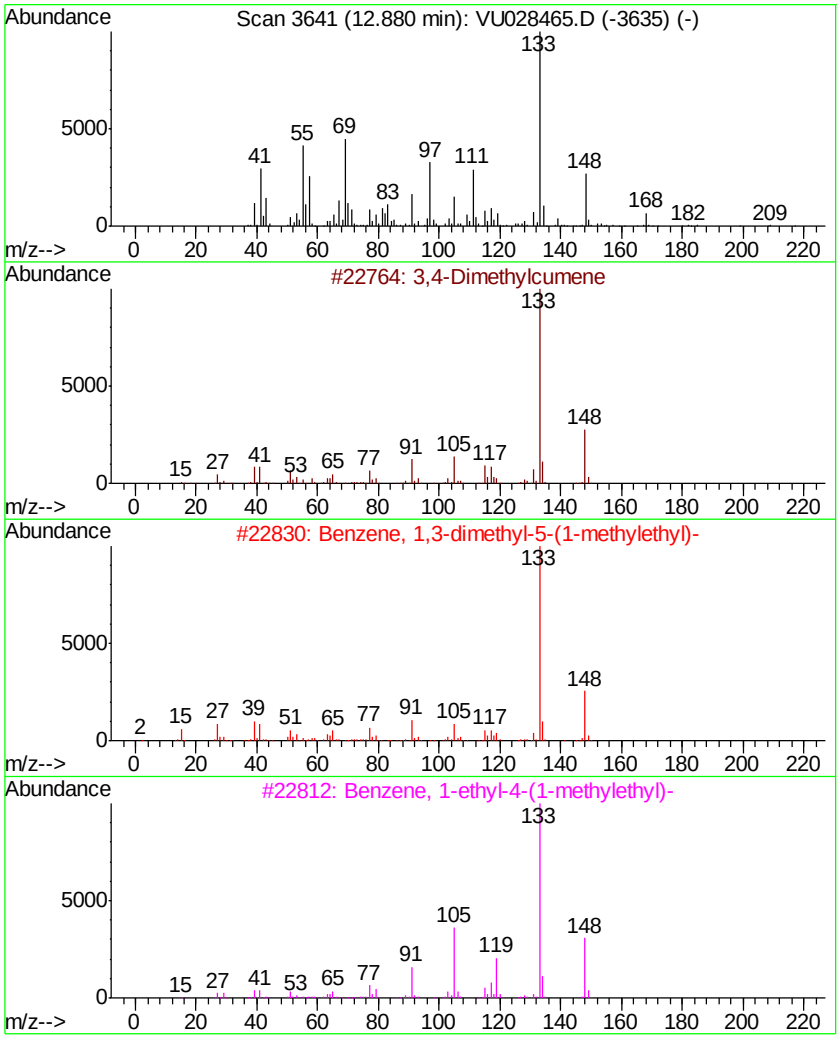
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

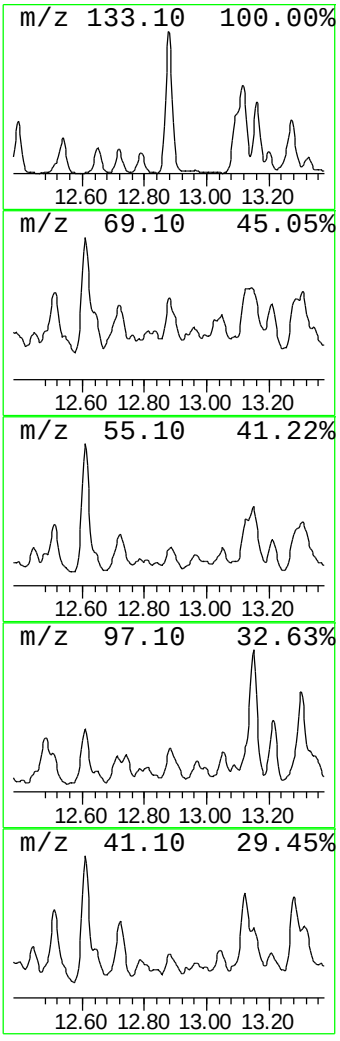
****

Peak Number 63 3,4-Dimethylcumene Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	11.73 ug/L	493517	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	70
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	70
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	70
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

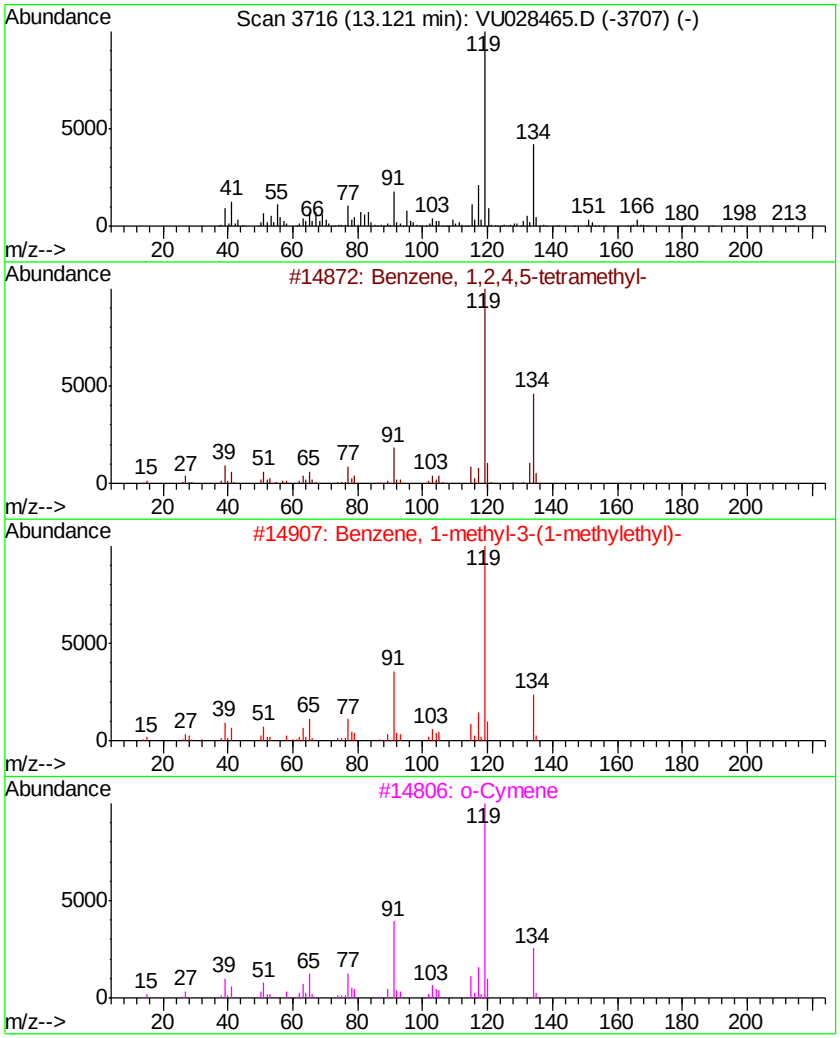
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

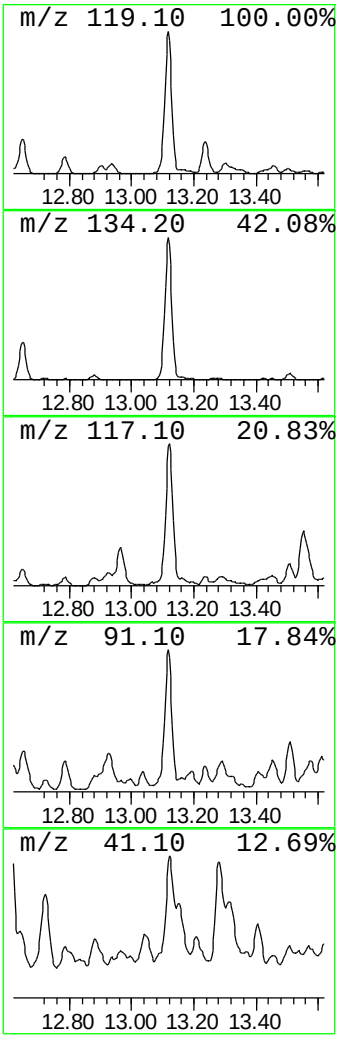
****

Peak Number 64 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	81.35 ug/L	3423510	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	90
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
3	o-Cymene	134	C10H14	000527-84-4	87
4	p-Cymene	134	C10H14	000099-87-6	87
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

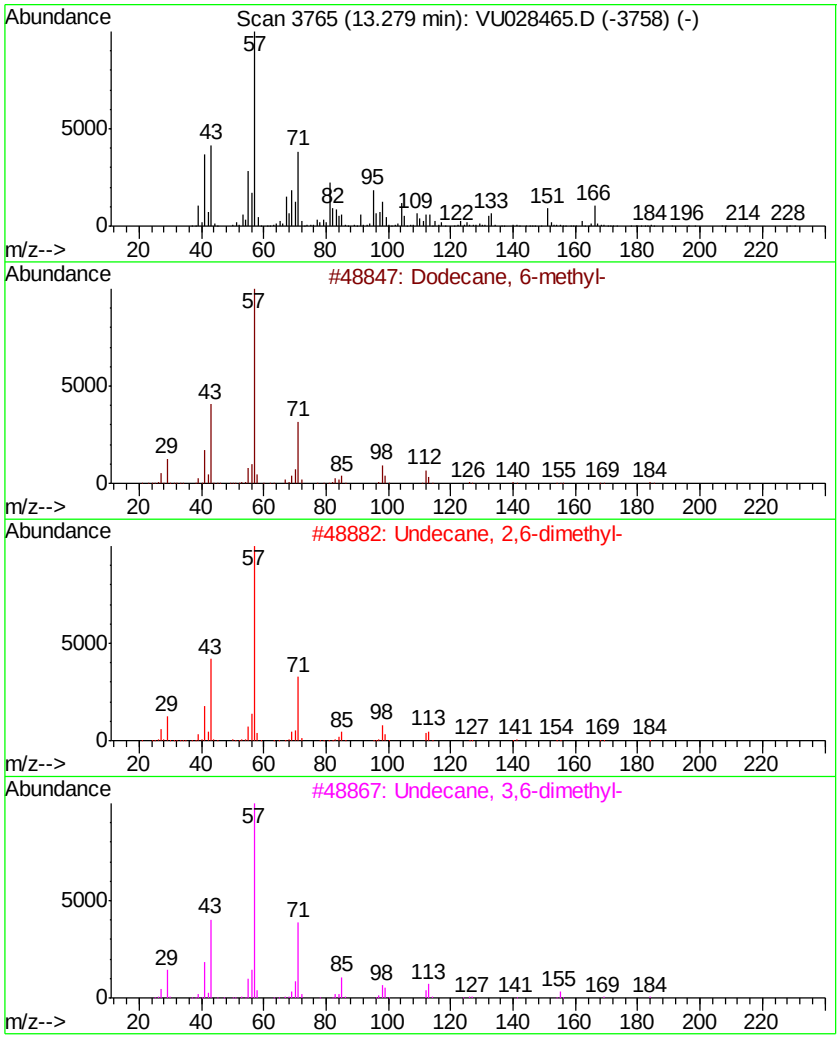
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

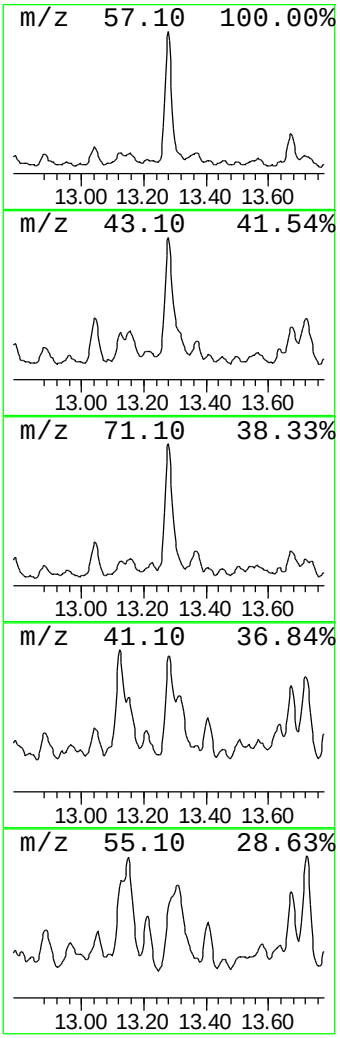
****

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	38.07 ug/L	1602280	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	50
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	45
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	38
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	38
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

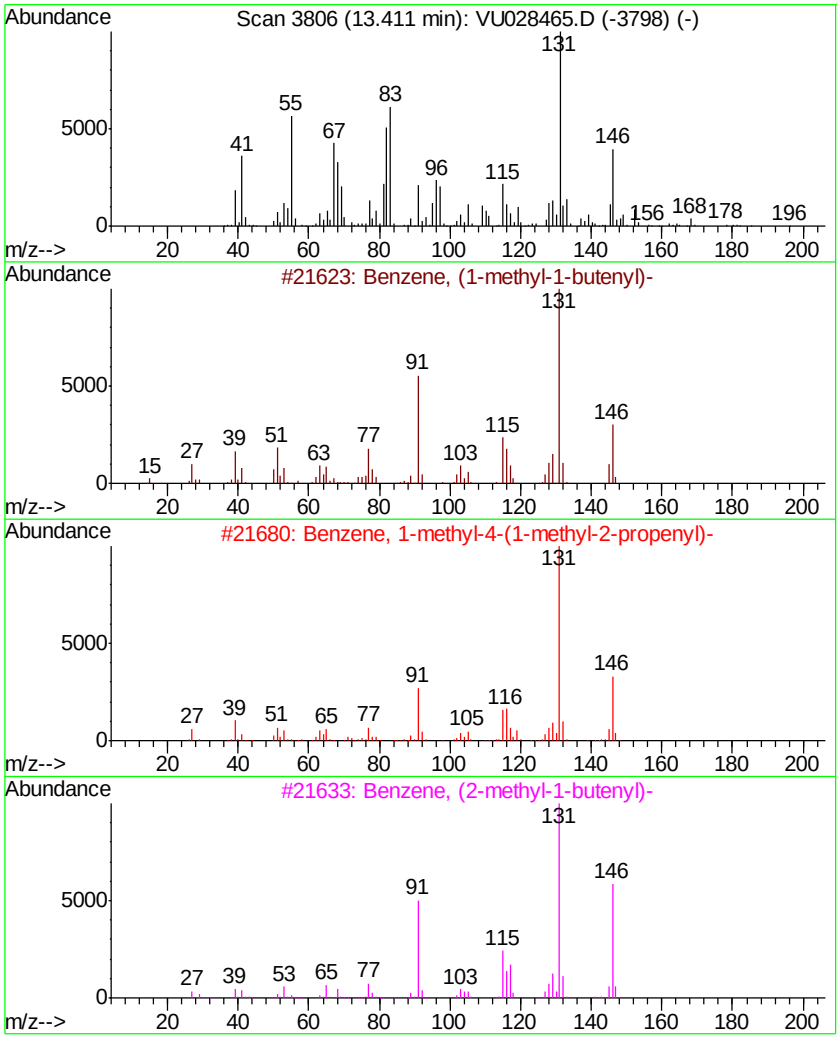
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

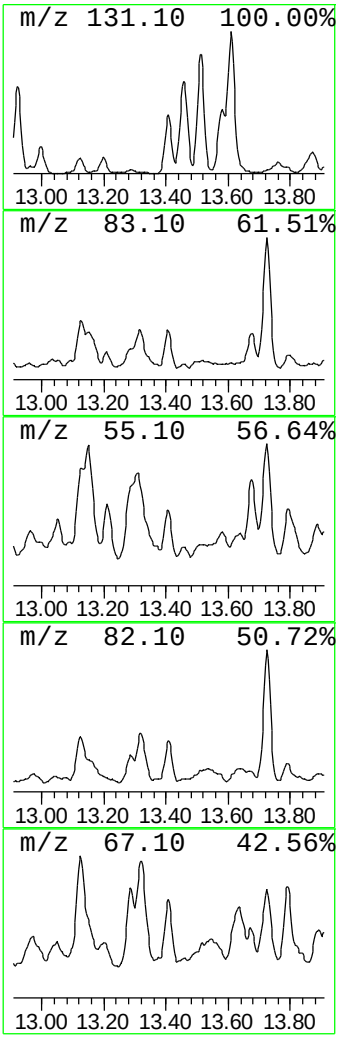
****

Peak Number 66 Benzene, (1-methyl-1-butenyl)- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	12.48 ug/L	525119	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	84
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	62
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

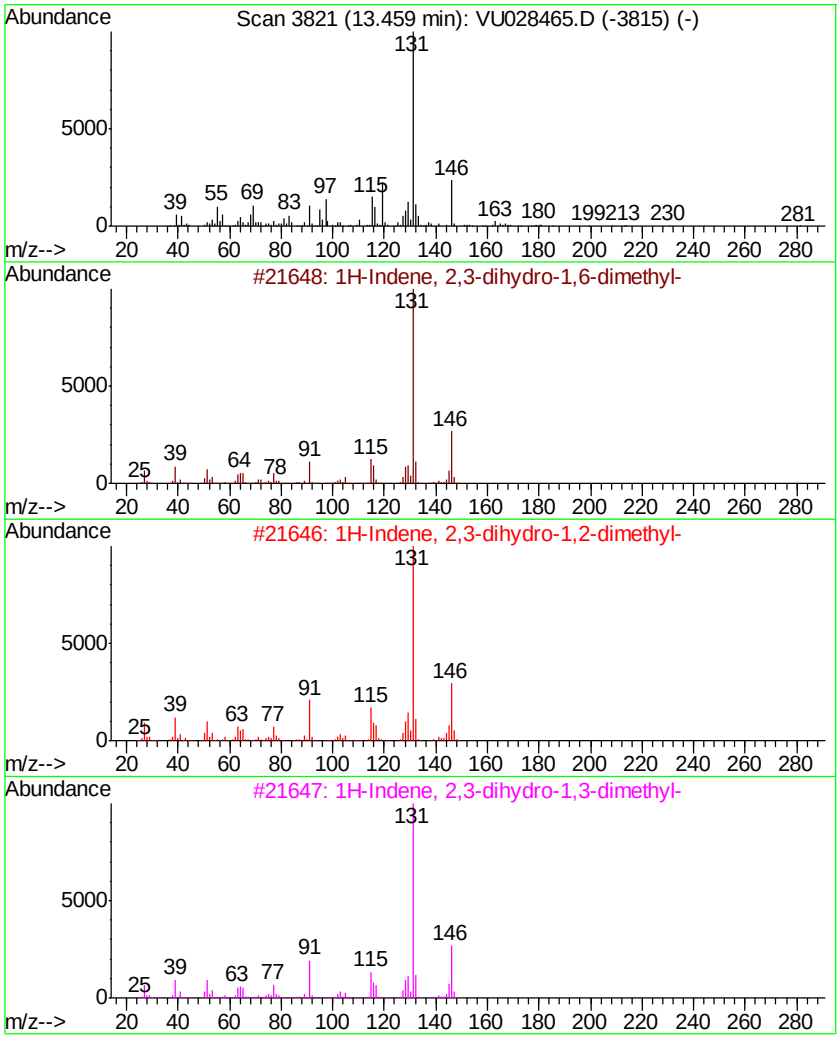
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

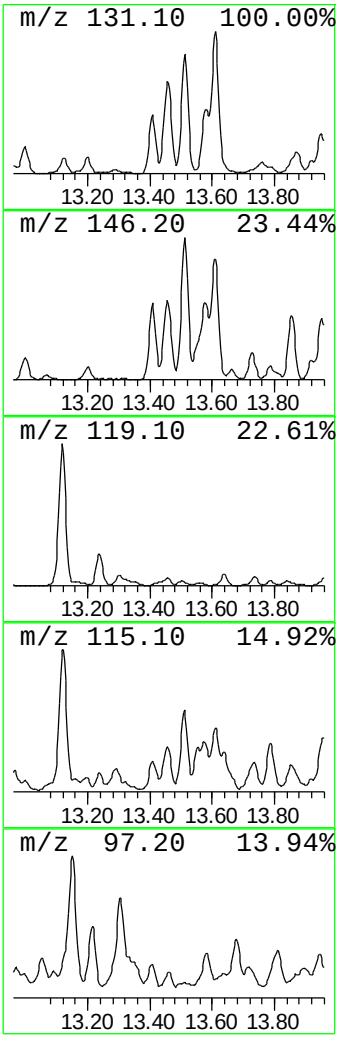
****

Peak Number 67 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	9.43 ug/L	396827	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

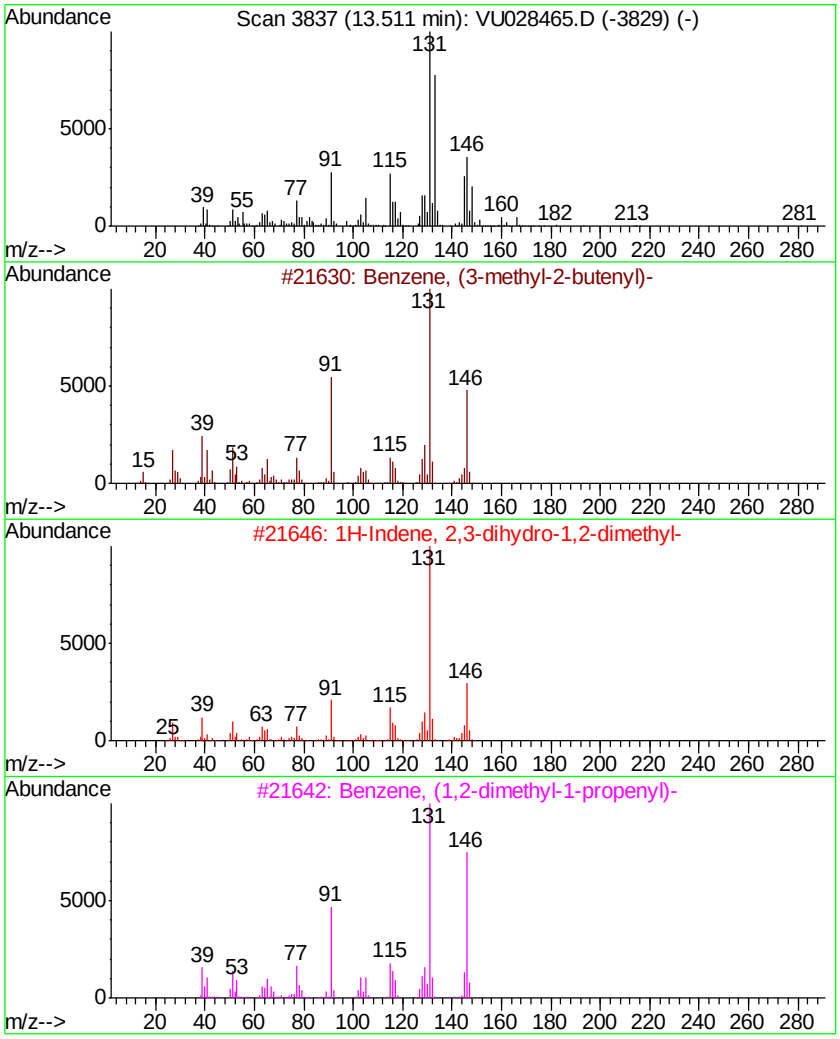
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

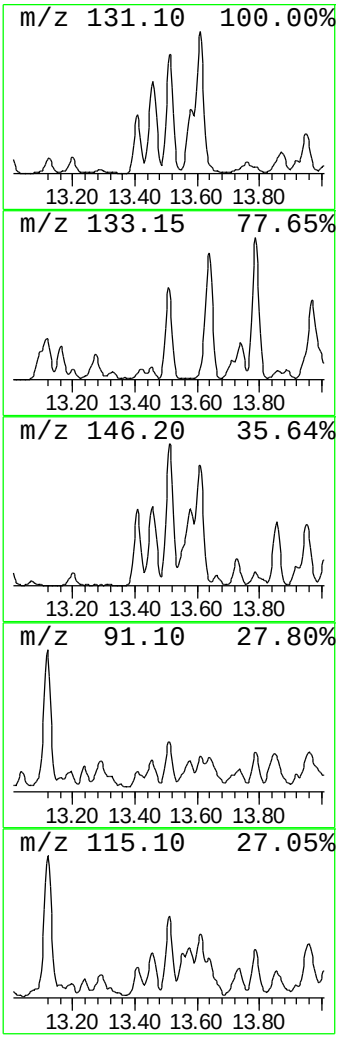
****

Peak Number 68 Benzene, (3-methyl-2-butenyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	20.21 ug/L	850583	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

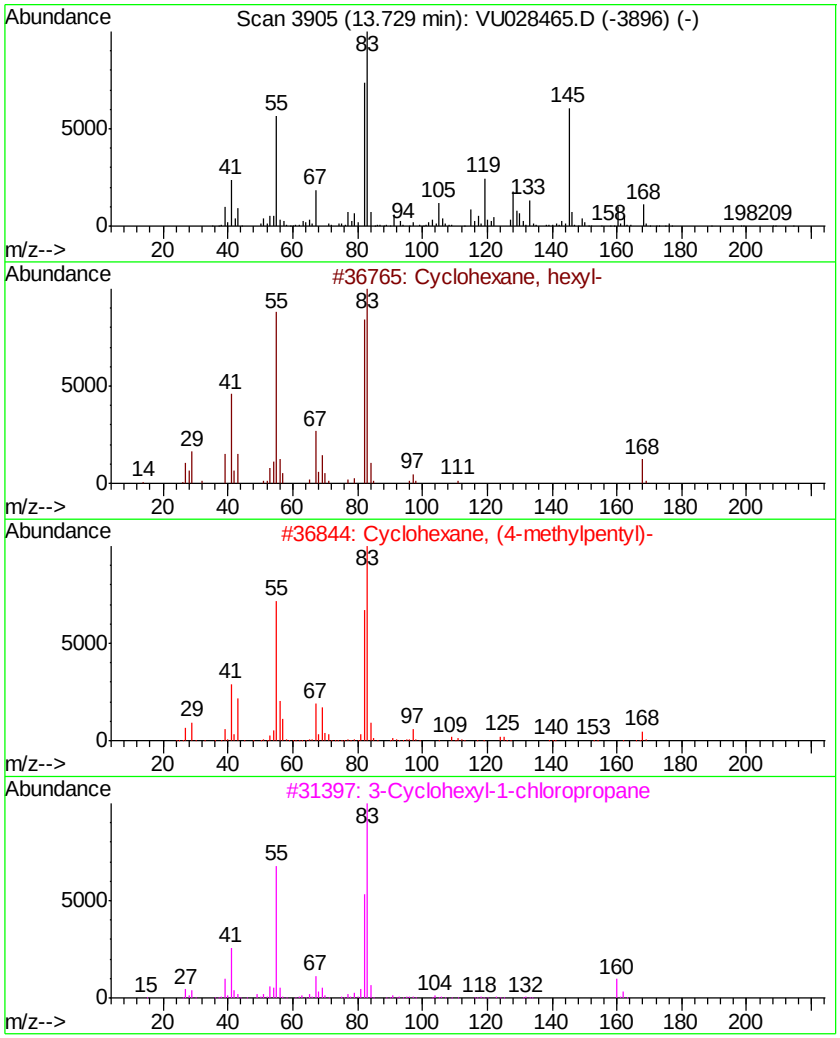
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

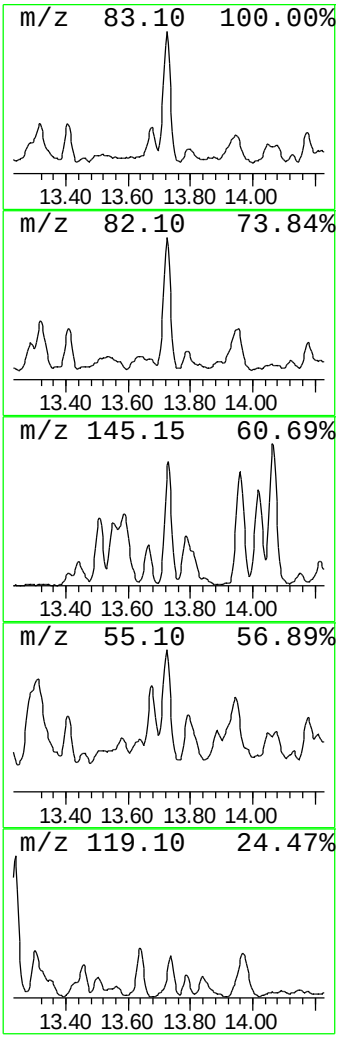
****

Peak Number 69 (DEL) Alkane: Cyclic13.73 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	32.54 ug/L	1369270	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	50
3	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	49
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
5	Oxalic acid, cyclohexyl ethyl ester	200	C10H16O4	1000309-30-2	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

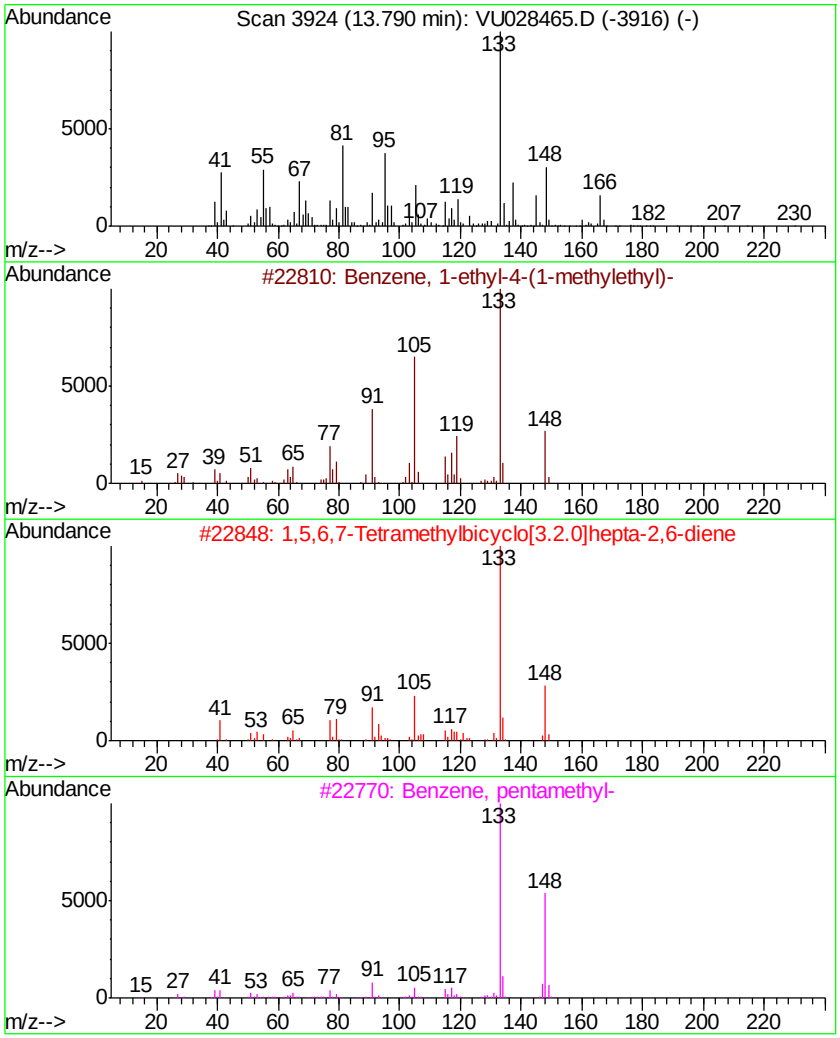
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

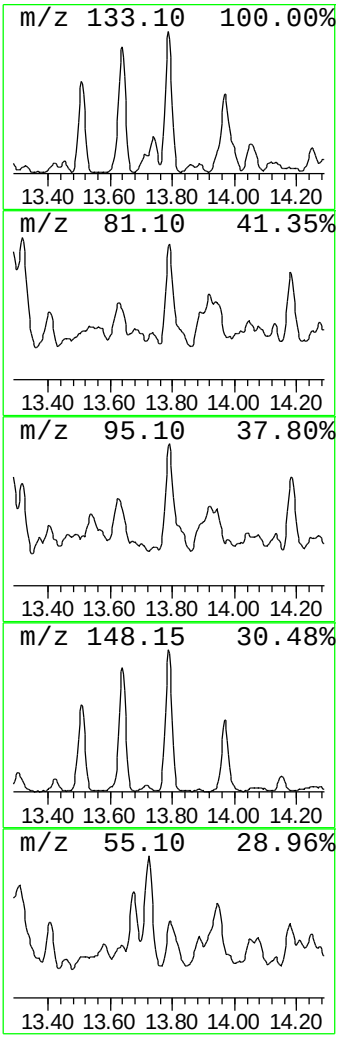
****

Peak Number 70 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	29.09 ug/L	1224330	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	70
2	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	64
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

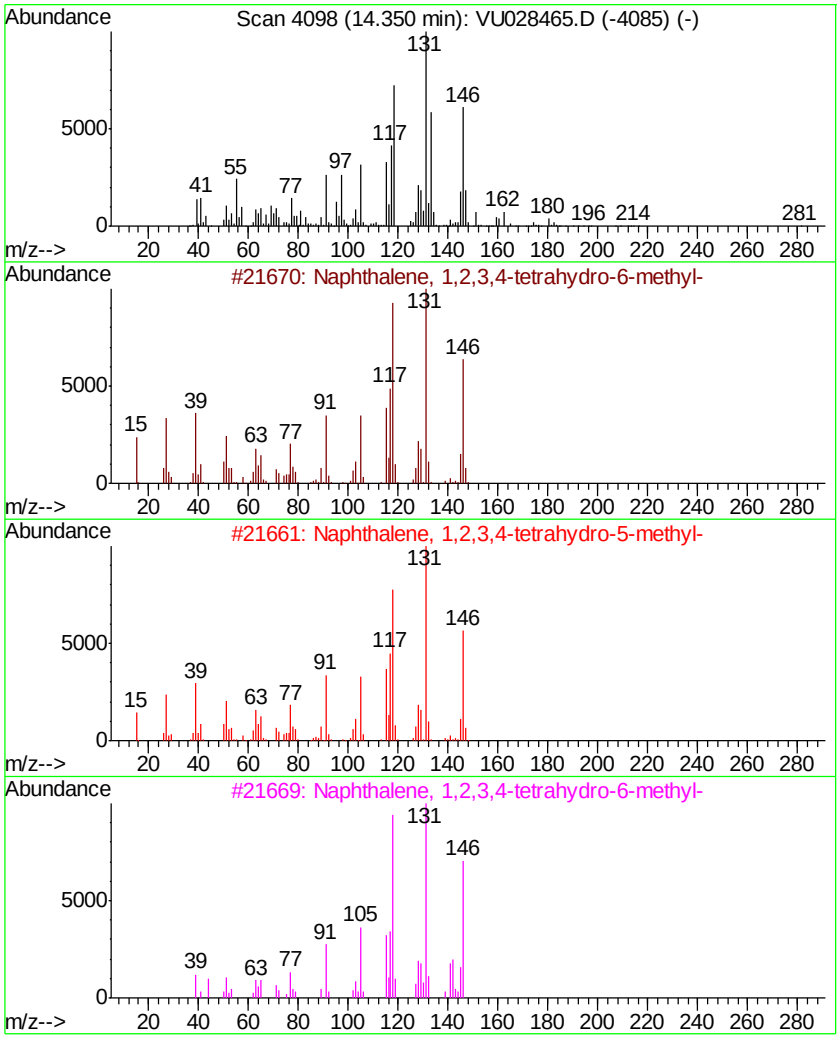
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

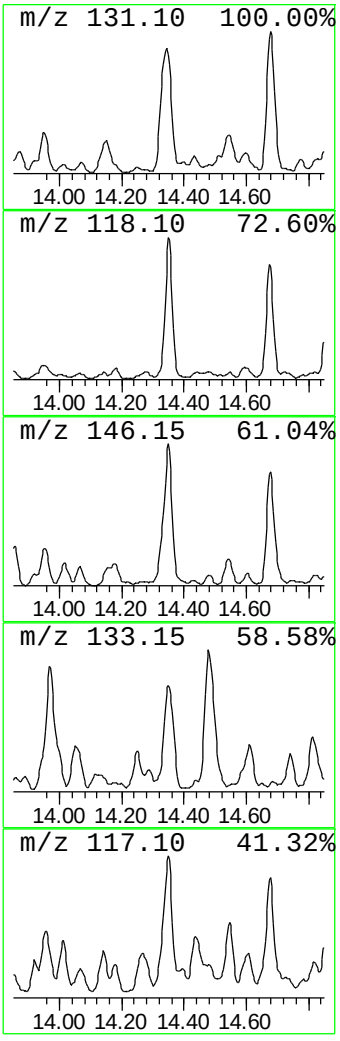
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 71 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	39.98 ug/L	1682370	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	78
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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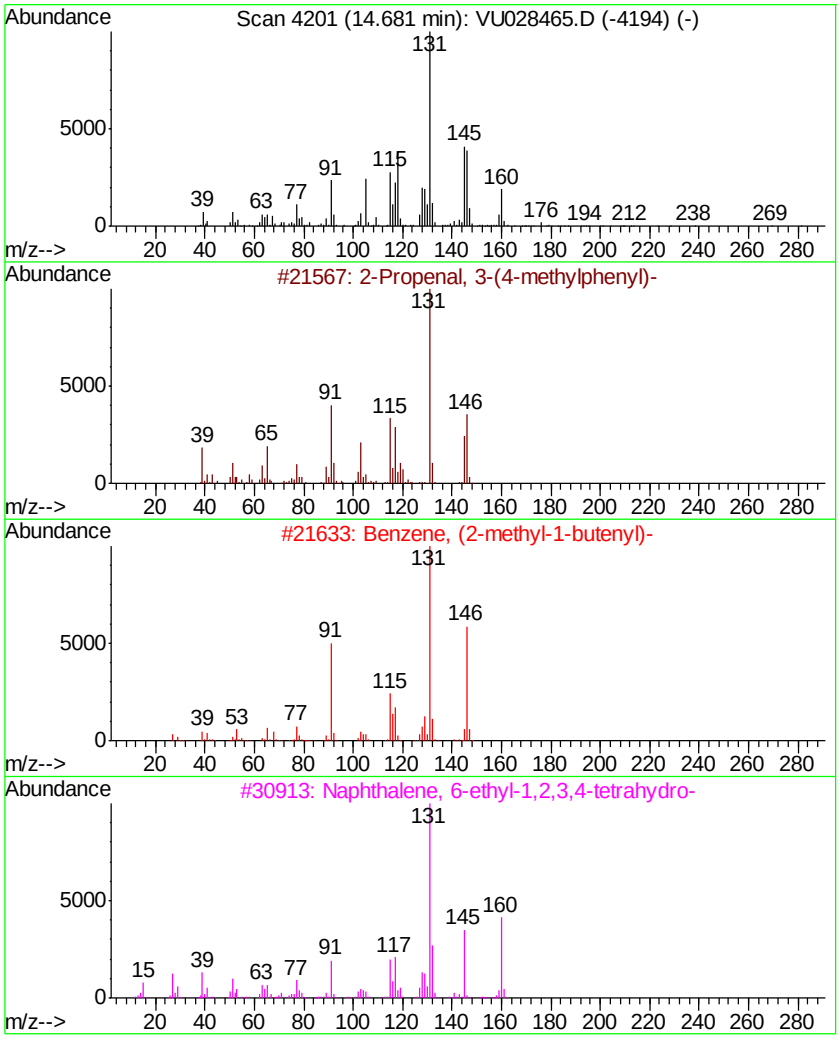
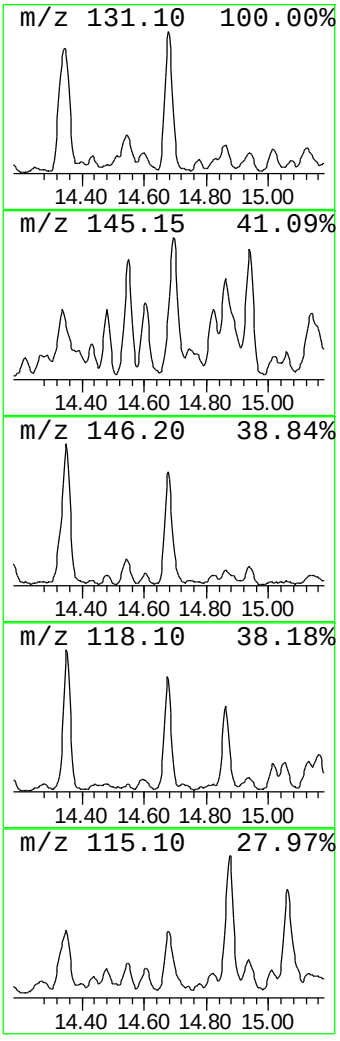
Peak Number 72 2-Propenal, 3-(4-methylphen... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	21.06 ug/L	886225	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	70
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	64
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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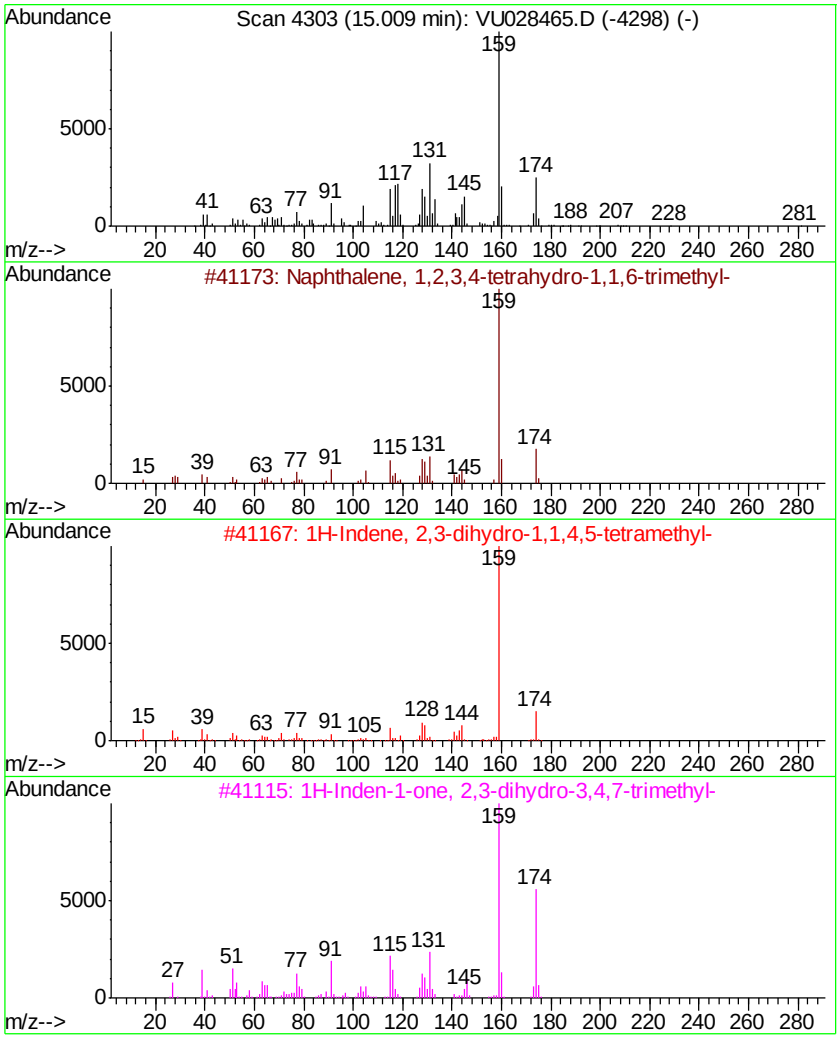
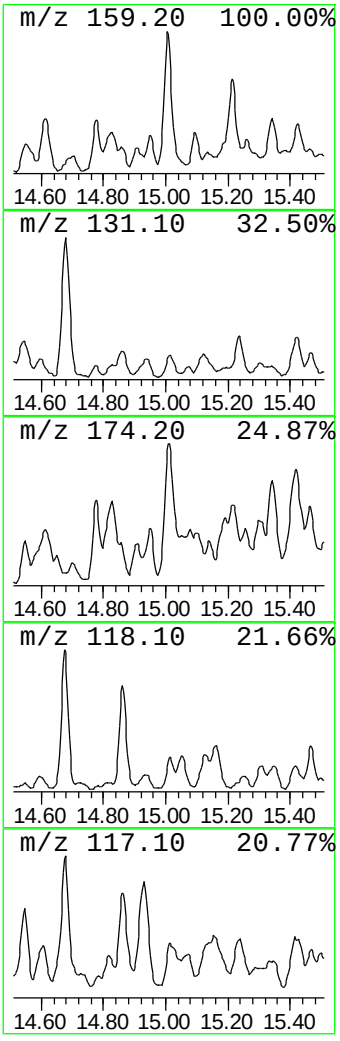
Peak Number 74 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	6.57 ug/L	276295	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	91
2	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	90
3	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	70
4	Ethanone, 1-[4-(1-methyl-2-prope...	174	C12H14O	109586-49-4	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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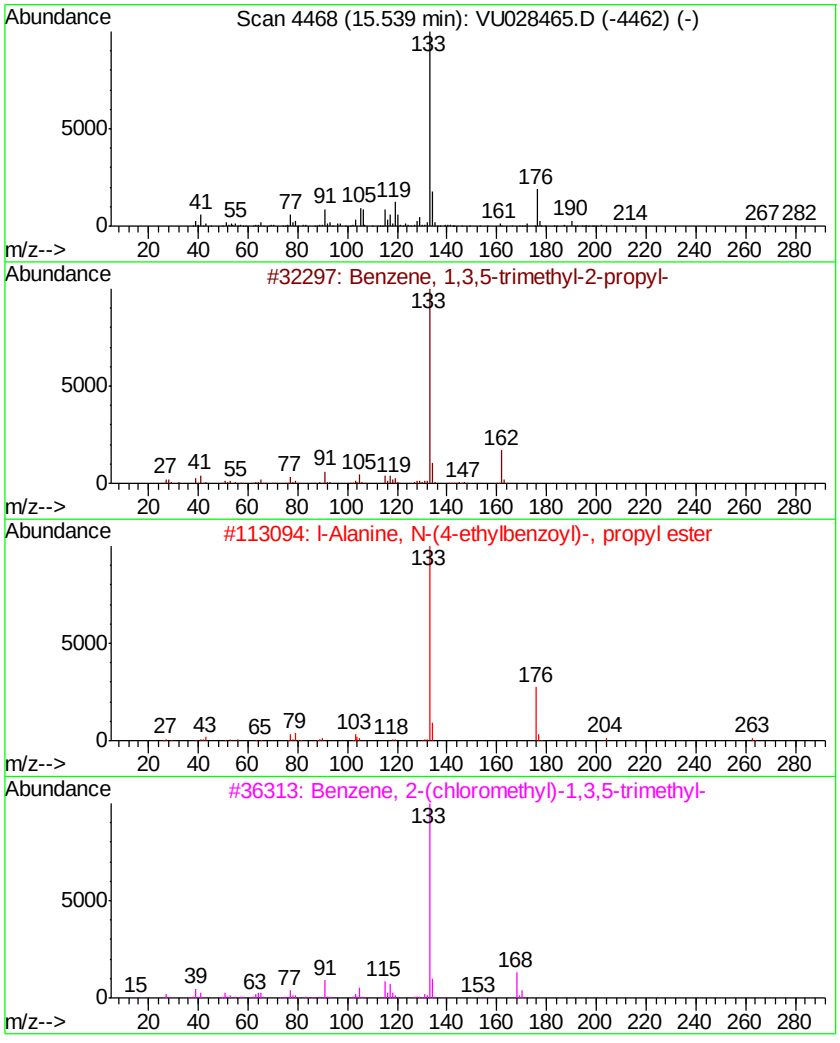
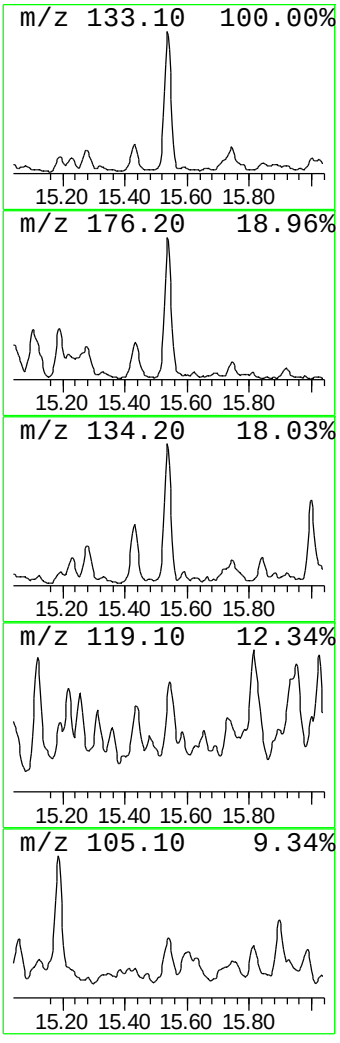
Peak Number 75 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	8.51 ug/L	358233	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	59
2	l-Alanine, N-(4-ethylbenzoyl)-, ...	263	C15H21NO3	1000314-15-9	53
3	Benzene, 2-(chloromethyl)-1,3,5-...	168	C10H13Cl	001585-16-6	53
4	4-Ethylbenzoic acid, 3,4-dichlor...	294	C15H12Cl2O2	1000307-12-6	50
5	1,2-Benzenediol, o-(2-chloroprop...	332	C18H17ClO4	1000325-96-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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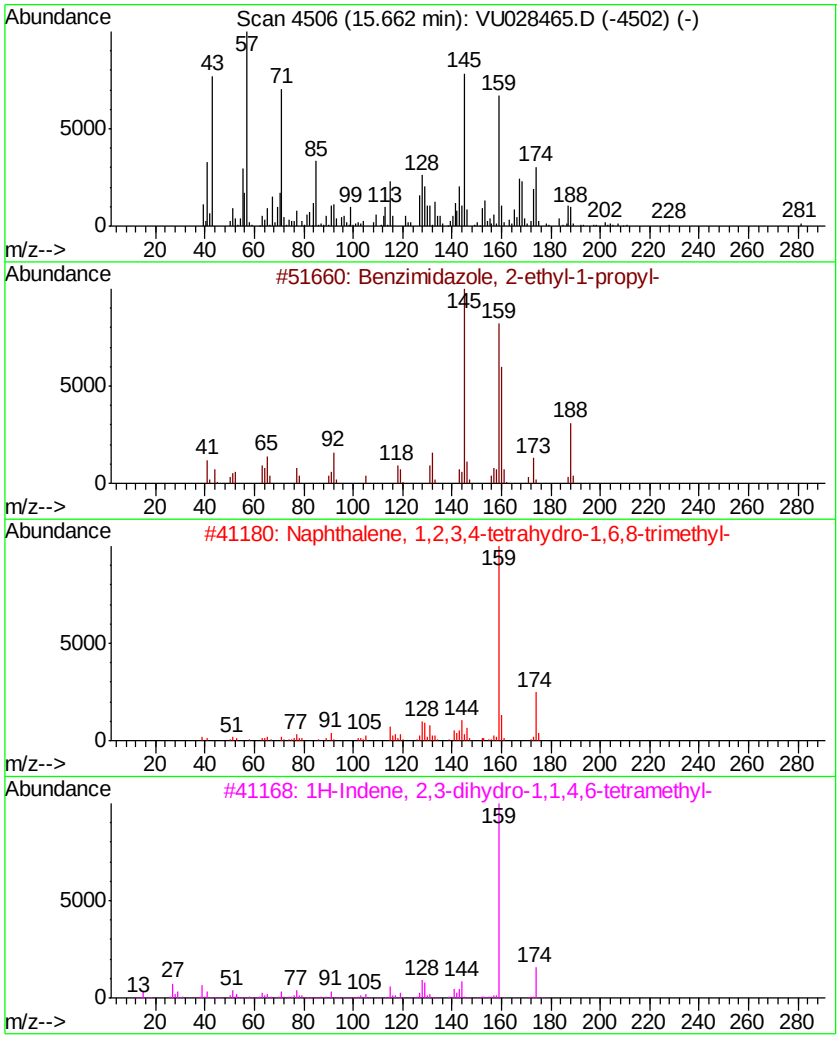
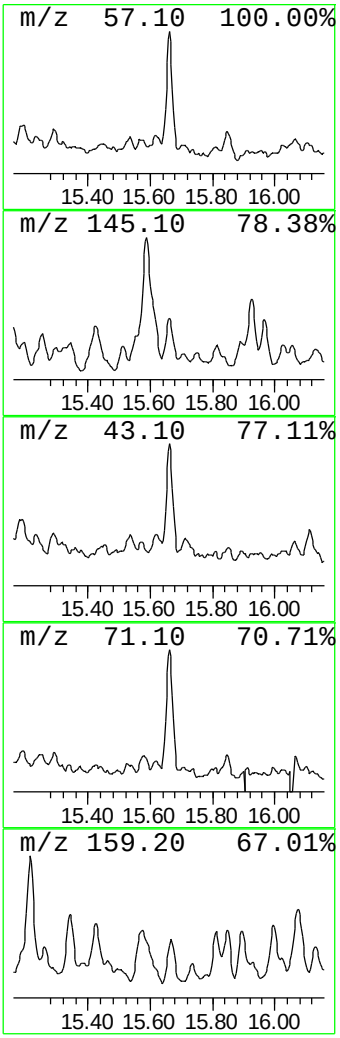
Peak Number 76 unknown-05 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	9.12 ug/L	383834	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzimidazole, 2-ethyl-1-propyl-	188	C12H16N2	024103-02-4	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	38
3	1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	30
4	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	30
5	1,2,3,4-Tetrahydro-3-isopropyl-5...	188	C14H20	1000241-59-1	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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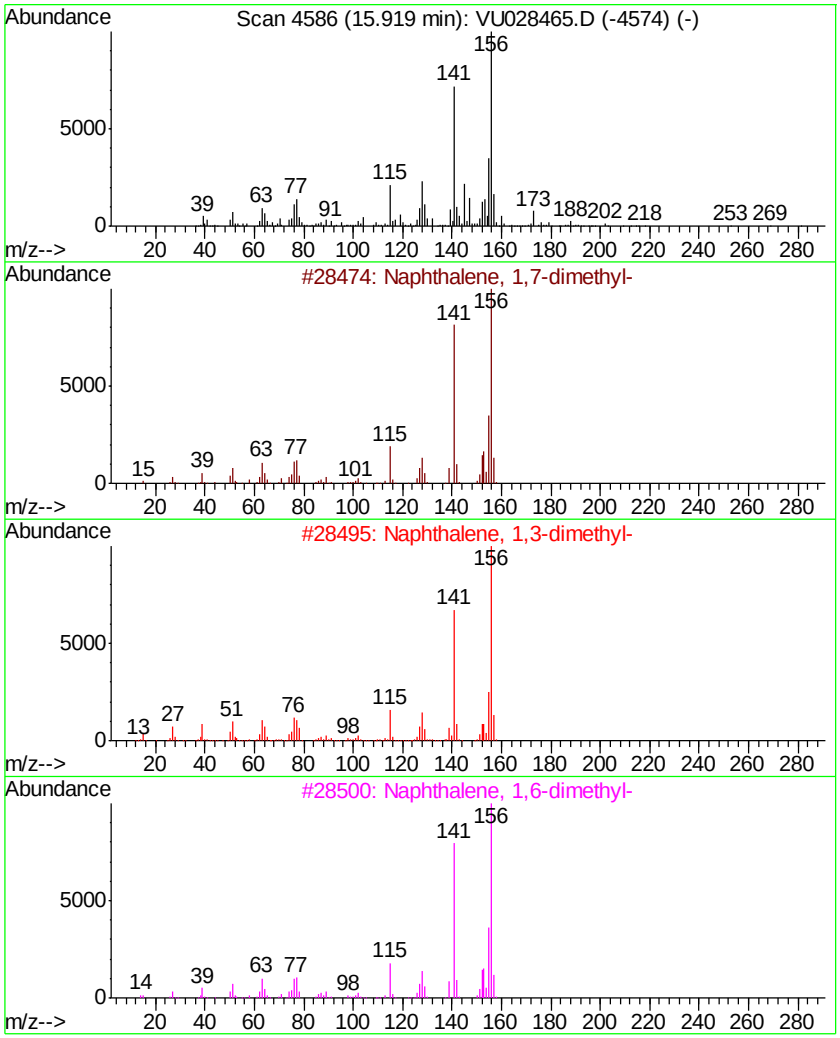
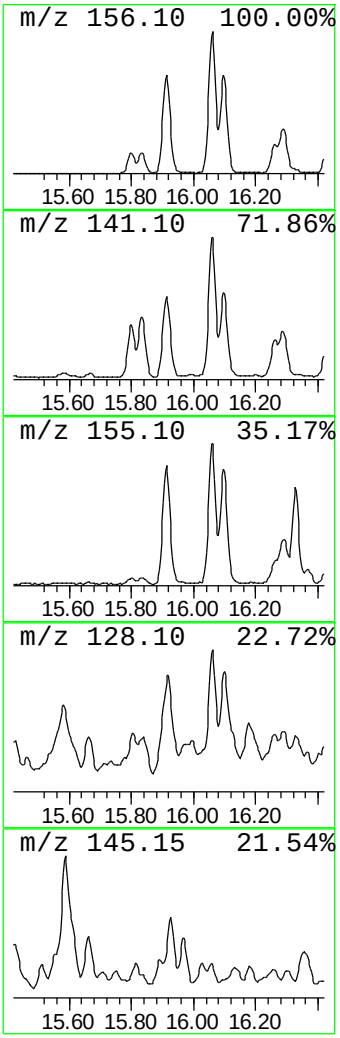
Peak Number 77 Naphthalene, 1,7-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	27.06 ug/L	1138870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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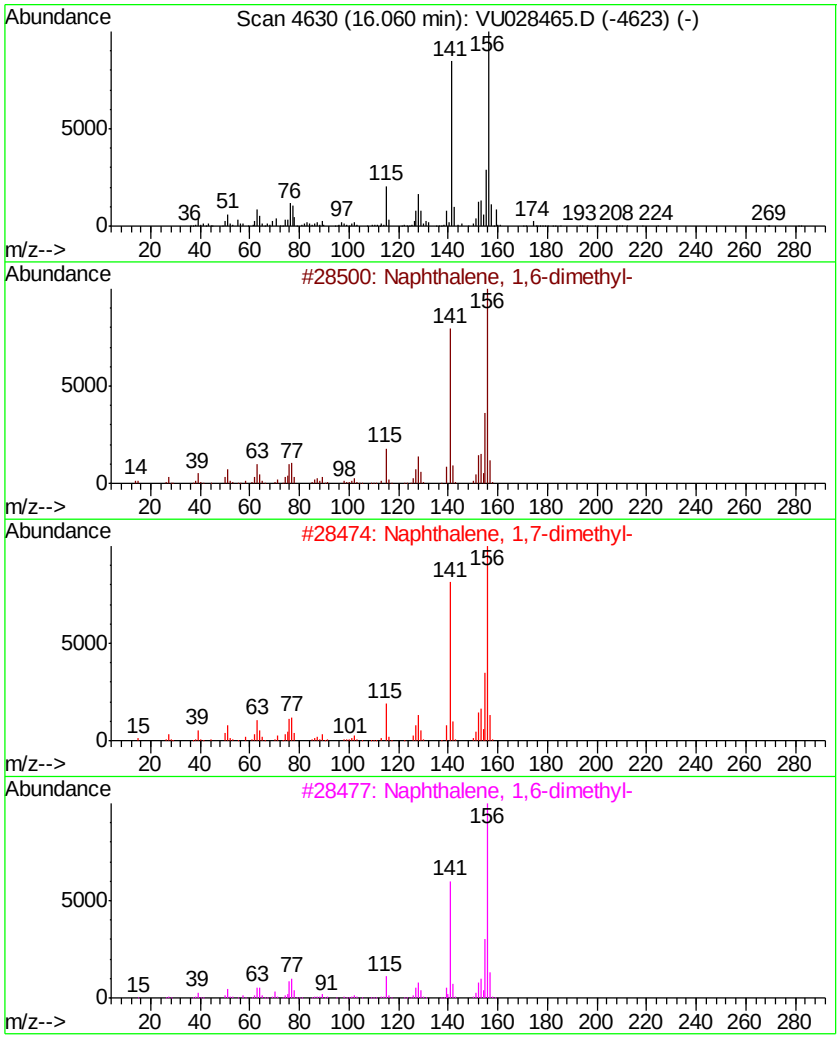
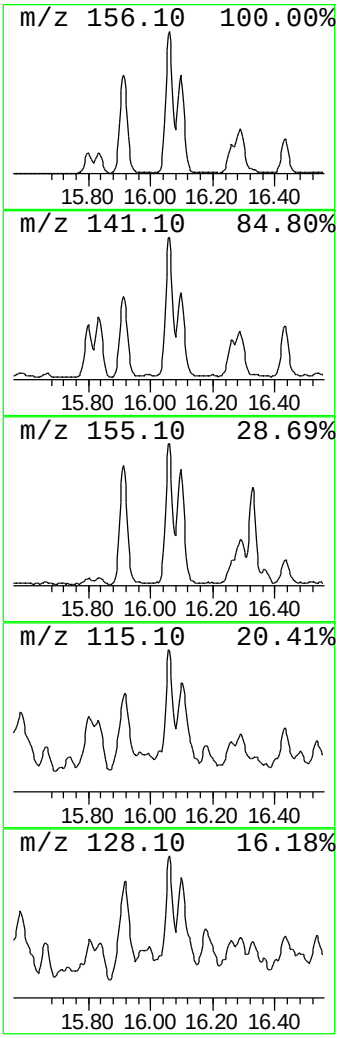
Peak Number 78 Naphthalene, 1,6-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	20.36 ug/L	856902	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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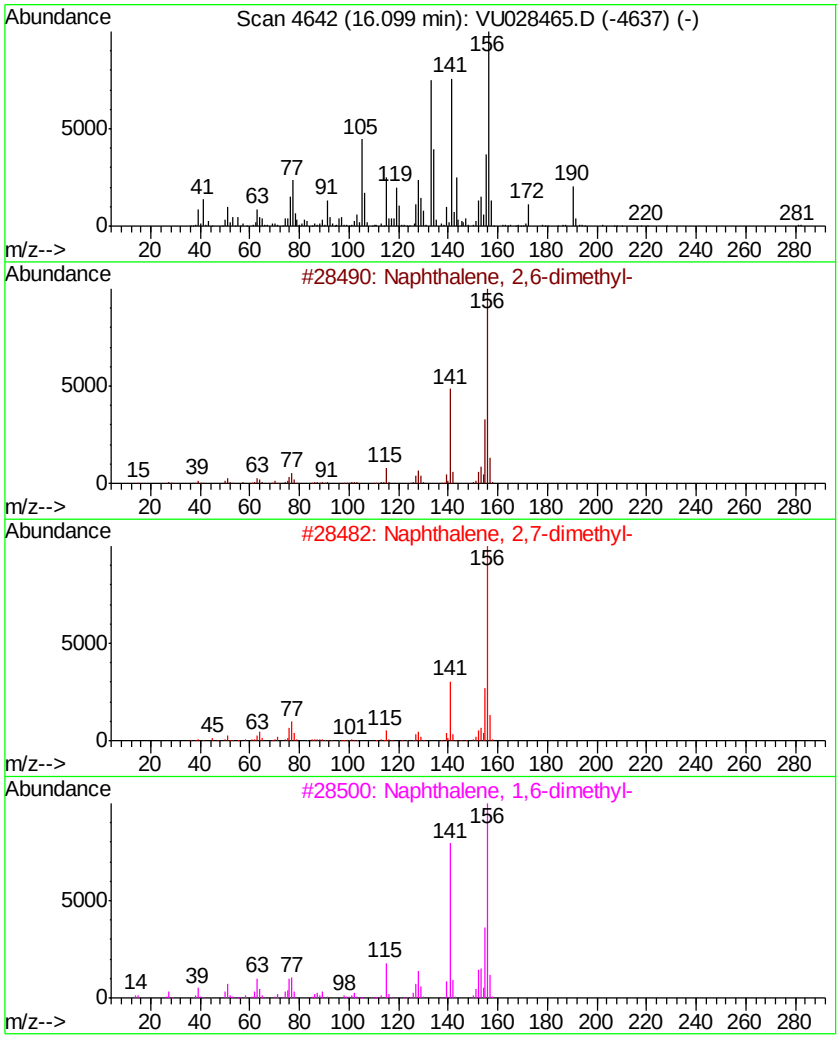
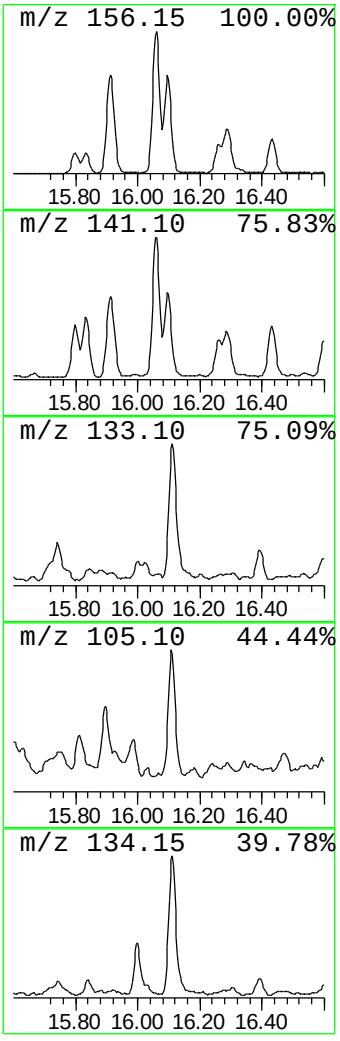
Peak Number 79 Naphthalene, 2,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	31.48 ug/L	1324870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	74
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	66
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	60
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	60
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

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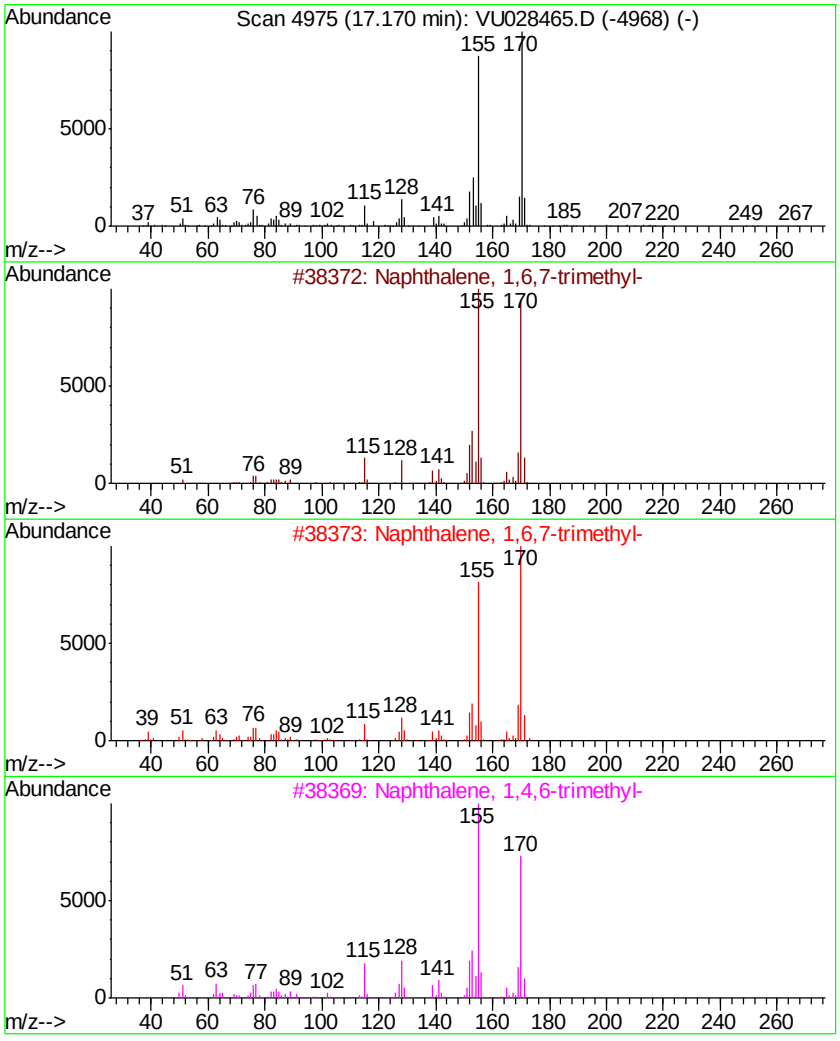
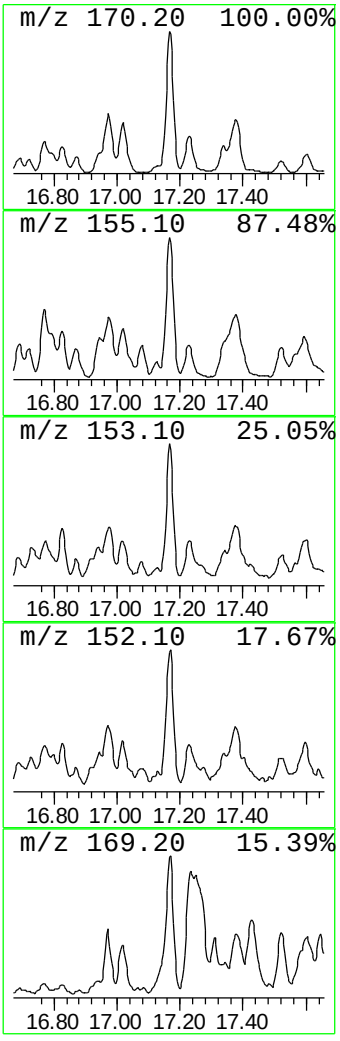
Peak Number 80 Naphthalene, 1,6,7-trimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	13.12 ug/L	552172	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028465.D
Acq On : 04 Dec 2018 14:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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...	1.70	7.2	ug/L	236048	1	5.88	1643760	50.0
(DEL) Alkane: Str...	2.67	7.1	ug/L	234145	1	5.88	1643760	50.0
(DEL) Alkane: Str...	2.97	34.1	ug/L	1122590	1	5.88	1643760	50.0
(DEL) Alkane: Str...	5.07	18.4	ug/L	606380	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	5.24	23.6	ug/L	777033	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	5.47	64.2	ug/L	2111930	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	5.54	51.6	ug/L	1696810	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	5.61	84.9	ug/L	2790380	1	5.88	1643760	50.0
(DEL) Alkane: Str...	6.53	8.2	ug/L	269077	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	6.73	41.5	ug/L	1364250	1	5.88	1643760	50.0
(DEL) Alkane: Str...	6.90	51.0	ug/L	1675380	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	7.43	11.4	ug/L	374072	1	5.88	1643760	50.0
(DEL) Alkane: Cyc...	7.70	15.6	ug/L	657897	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	7.77	19.7	ug/L	832477	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	7.91	48.4	ug/L	2039180	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	8.04	13.9	ug/L	587783	2	9.09	2108330	50.0
(DEL) Alkane: Str...	8.22	7.3	ug/L	309055	2	9.09	2108330	50.0
(DEL) Alkane: Str...	8.45	7.8	ug/L	327979	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	8.48	6.5	ug/L	272180	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	8.54	36.2	ug/L	1527630	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	8.60	53.9	ug/L	2273410	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	8.76	16.9	ug/L	711669	2	9.09	2108330	50.0
(DEL) Alkane: Str...	8.81	11.3	ug/L	477905	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	8.85	31.6	ug/L	1331330	2	9.09	2108330	50.0
(DEL) Alkane: Str...	9.02	8.3	ug/L	349104	2	9.09	2108330	50.0
Pentalene, octahy...	9.19	15.7	ug/L	661572	2	9.09	2108330	50.0
(DEL) Alkane: Str...	9.24	14.8	ug/L	624751	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	9.35	26.8	ug/L	1128170	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	9.40	27.6	ug/L	1163780	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	9.44	21.1	ug/L	891740	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	9.56	14.7	ug/L	619298	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	9.72	35.9	ug/L	1515460	2	9.09	2108330	50.0
unknown-01	9.82	9.7	ug/L	408677	2	9.09	2108330	50.0
unknown-02	9.95	80.6	ug/L	3397760	2	9.09	2108330	50.0
(DEL) Alkane: Cyc...	10.04	29.4	ug/L	1240150	2	9.09	2108330	50.0
(DEL) Alkane: Str...	10.09	39.5	ug/L	1666610	2	9.09	2108330	50.0
unknown-03	10.22	8.7	ug/L	365183	2	9.09	2108330	50.0
(DEL) Alkane: Str...	10.25	11.7	ug/L	494454	2	9.09	2108330	50.0
(DEL) Alkane: Str...	10.38	9.8	ug/L	414462	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	10.49	45.4	ug/L	1911750	3	11.48	2104280	50.0
Benzene, propyl-	10.59	5.0	ug/L	211777	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	10.63	16.8	ug/L	708842	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	10.70	16.1	ug/L	676096	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	10.75	36.2	ug/L	1524350	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	10.81	16.9	ug/L	713347	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	10.86	5.1	ug/L	215721	3	11.48	2104280	50.0
Cyclohexene,3-hexyl-	10.97	6.5	ug/L	273505	3	11.48	2104280	50.0
unknown-04	11.07	6.1	ug/L	257836	3	11.48	2104280	50.0
(DEL) Alkane: Str...	11.12	26.8	ug/L	1128620	3	11.48	2104280	50.0

(DEL) Alkane: Str...	11.27	10.7	ug/L	450381	3	11.48	2104280	50.0
(DEL) Alkane: Str...	11.33	23.2	ug/L	974827	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	11.39	24.6	ug/L	1036410	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	11.67	10.7	ug/L	451442	3	11.48	2104280	50.0
(DEL) Alkane: Str...	11.78	16.2	ug/L	683326	3	11.48	2104280	50.0
(DEL) Alkane: Str...	12.18	20.9	ug/L	877740	3	11.48	2104280	50.0
(DEL) Alkane: Str...	12.36	37.5	ug/L	1577930	3	11.48	2104280	50.0
1-Octadecyne	12.44	10.5	ug/L	441531	3	11.48	2104280	50.0
trans-Decalin, 2-...	12.51	41.1	ug/L	1729790	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	12.61	46.7	ug/L	1966050	3	11.48	2104280	50.0
cis-Decalin, 2-sy...	12.72	27.6	ug/L	1159960	3	11.48	2104280	50.0
Benzene, 1-methyl...	12.79	11.6	ug/L	486300	3	11.48	2104280	50.0
3,4-Dimethylcumene	12.88	11.7	ug/L	493517	3	11.48	2104280	50.0
Benzene, 1,2,4,5-...	13.12	81.3	ug/L	3423510	3	11.48	2104280	50.0
(DEL) Alkane: Str...	13.28	38.1	ug/L	1602280	3	11.48	2104280	50.0
Benzene, (1-methy...	13.41	12.5	ug/L	525119	3	11.48	2104280	50.0
1H-Indene, 2,3-di...	13.46	9.4	ug/L	396827	3	11.48	2104280	50.0
Benzene, (3-methy...	13.51	20.2	ug/L	850583	3	11.48	2104280	50.0
(DEL) Alkane: Cyc...	13.73	32.5	ug/L	1369270	3	11.48	2104280	50.0
Benzene, 1-ethyl-...	13.79	29.1	ug/L	1224330	3	11.48	2104280	50.0
Naphthalene, 1,2,...	14.35	40.0	ug/L	1682370	3	11.48	2104280	50.0
2-Propenal, 3-(4-...	14.68	21.1	ug/L	886225	3	11.48	2104280	50.0
Naphthalene, 1,2,...	15.01	6.6	ug/L	276295	3	11.48	2104280	50.0
Benzene, 1,3,5-tr...	15.54	8.5	ug/L	358233	3	11.48	2104280	50.0
unknown-05	15.66	9.1	ug/L	383834	3	11.48	2104280	50.0
Naphthalene, 1,7-...	15.92	27.1	ug/L	1138870	3	11.48	2104280	50.0
Naphthalene, 1,6-...	16.06	20.4	ug/L	856902	3	11.48	2104280	50.0
Naphthalene, 2,6-...	16.10	31.5	ug/L	1324870	3	11.48	2104280	50.0
Naphthalene, 1,6,...	17.17	13.1	ug/L	552172	3	11.48	2104280	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9Y09ME