LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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	82	rVB	235297	264400	4.51%	0.251%
2	1.640	139	145	155	rBV	228002	245872	4.20%	0.233%
3	1.694	156	162	170	rVV	217717	229316	3.91%	0.218%
4	2.238	319	331	357	rVB	406162	679495	11.60%	0.645%
5	2.675	444	467	491	rVV2	92963	238713	4.07%	0.226%
6	2.964	537	557	577	rBV	517051	1112885	19.00%	1.056%
7	4.189	923	938	988	rBV	153236	555695	9.49%	0.527%
8	4.643	1060	1079	1096	rBV2	307988	753257	12.86%	0.715%
9	4.980	1164	1184	1198	rBV	525522	1273436	21.74%	1.208%
10	5.067	1198	1211	1233	rVB2	239627	582798	9.95%	0.553%
11	5.244	1238	1266	1276	rBV2	278021	739735	12.63%	0.702%
12	5.331	1276	1293	1317	rVV2	694593	1974261	33.70%	1.873%
13	5.469	1318	1336	1348	rVV2	894172	2007484	34.27%	1.904%
14	5.543	1348	1359	1369	rVV	740946	1612877	27.53%	1.530%
15	5.614	1369	1381	1406	rVB2	1182250	2653016	45.29%	2.517%
16	5.881	1448	1464	1500	rBV	708665	1468790	25.07%	1.393%
17	6.328	1590	1603	1611	rVV	436743	904427	15.44%	0.858%
18	6.405	1611	1627	1641	rVV3	2329055	5858219	100.00%	5.558%
19	6.527	1655	1665	1679	rVB2	139980	263204	4.49%	0.250%
20	6.733	1711	1729	1749	rBV	637944	1306056	22.29%	1.239%
21	6.897	1761	1780	1798	rBV	805206	1588535	27.12%	1.507%
22	7.228	1870	1883	1898	rBV2	283586	822659	14.04%	0.780%
23	7.430	1935	1946	1961	rVB5	143040	356204	6.08%	0.338%
24	7.524	1961	1975	1981	rBV2	1193517	2292433	39.13%	2.175%
25	7.559	1982	1986	2014	rVB3	1290231	2116071	36.12%	2.007%
26	7.700	2017	2030	2038	rBV5	293905	639453	10.92%	0.607%
27	7.771	2045	2052	2065	rVB2	438419	781746	13.34%	0.742%
28	7.852	2065	2077	2085	rVV	215590	398734	6.81%	0.378%
29	7.913	2085	2096	2113	rVB3	1048121	1919142	32.76%	1.821%
30	8.041	2118	2136	2147	rBV	288876	554685	9.47%	0.526%
31	8.221	2181	2192	2205	rVB2	173616	308720	5.27%	0.293%
32	8.324	2205	2224	2236	rBV	1320142	2489157	42.49%	2.361%
33	8.450	2249	2263	2268	rBV	198036	355488	6.07%	0.337%
34	8.482	2269	2273	2281	rVV3	185703	256493	4.38%	0.243%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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	2282	2292	2301	rVB	875664	1429766	24.41%	1.356%
36	8.604	2301	2311	2321	rBV	1212359	2161389	36.89%	2.050%
37	8.755	2345	2358	2367	rBV	383355	684840	11.69%	0.650%
38	8.813	2367	2376	2379	rVV	317661	467775	7.98%	0.444%
39	8.845	2380	2386	2414	rVB4	587469	1284456	21.93%	1.219%
40	9.022	2433	2441	2452	rVV	185538	338824	5.78%	0.321%
41	9.089	2452	2462	2475	rVV	1069706	1882290	32.13%	1.786%
42	9.186	2476	2492	2500	rVV3	217528	616294	10.52%	0.585%
43	9.241	2500	2509	2525	rVV3	280499	595900	10.17%	0.565%
44	9.347	2525	2542	2550	rVV5	441664	1076070	18.37%	1.021%
45	9.401	2551	2559	2566	rVV2	605032	1110173	18.95%	1.053%
46	9.443	2566	2572	2598	rVB2	364071	856574	14.62%	0.813%
47	9.562	2598	2609	2622	rBV3	321315	603813	10.31%	0.573%
48	9.716	2642	2657	2676	rBV5	619613	1446377	24.69%	1.372%
49	9.816	2677	2688	2696	rBV5	217708	410311	7.00%	0.389%
50	9.951	2711	2730	2740	rBV3	1767993	3301569	56.36%	3.132%
51	10.041	2750	2758	2765	rBV2	767153	1193075	20.37%	1.132%
52	10.086	2766	2772	2784	rVB	1007575	1659345	28.33%	1.574%
53	10.160	2785	2795	2805	rVB7	270012	519875	8.87%	0.493%
54	10.221	2805	2814	2818	rBV3	220606	350980	5.99%	0.333%
55	10.253	2819	2824	2835	rVB4	319762	496395	8.47%	0.471%
56	10.376	2853	2862	2870	rBV2	254988	395476	6.75%	0.375%
57	10.437	2870	2881	2888	rVV	764570	1310208	22.37%	1.243%
58	10.488	2889	2897	2915	rVB4	990073	1829689	31.23%	1.736%
59	10.633	2934	2942	2954	rVV6	286832	684625	11.69%	0.649%
60	10.700	2956	2963	2970	rVV6	343546	644585	11.00%	0.612%
61	10.752	2970	2979	2989	rVV2	795150	1476849	25.21%	1.401%
62	10.810	2991	2997	3007	rVV8	330646	692924	11.83%	0.657%
63	10.864	3009	3014	3021	rVB5	141234	196344	3.35%	0.186%
64	10.974	3041	3048	3054	rBV2	138710	272777	4.66%	0.259%
65	11.070	3070	3078	3084	rBV5	175635	269477	4.60%	0.256%
66	11.115	3084	3092	3098	rBV	688216	1055901	18.02%	1.002%
67	11.334	3154	3160	3170	rVB6	556355	938157	16.01%	0.890%
68	11.398	3172	3180	3187	rVV2	684995	998515	17.04%	0.947%
69	11.440	3189	3193	3199	rVB3	224608	250221	4.27%	0.237%
70	11.485	3199	3207	3216	rBV	1261784	1861849	31.78%	1.766%
71	11.665	3256	3263	3271	rVB	323549	455841	7.78%	0.432%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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	11.777	3288	3298	3308	rBV9	284096	635058	10.84%	0.602%
73	11.861	3314	3324	3342	rVB3	1603596	3279501	55.98%	3.111%
74	12.183	3414	3424	3432	rBV5	442949	866704	14.79%	0.822%
75	12.359	3470	3479	3488	rBV3	609997	1175381	20.06%	1.115%
76	12.443	3499	3505	3513	rVB6	287348	412282	7.04%	0.391%
77	12.511	3519	3526	3546	rVB3	827820	1689099	28.83%	1.602%
78	12.610	3547	3557	3564	rBV	1177956	1938825	33.10%	1.839%
79	12.723	3583	3592	3603	rVB3	680441	1124516	19.20%	1.067%
80	12.787	3605	3612	3623	rVV4	251087	443536	7.57%	0.421%
81	12.880	3635	3641	3650	rBV3	263746	480314	8.20%	0.456%
82	13.118	3707	3715	3736	rVB3	1641461	3193264	54.51%	3.029%
83	13.282	3758	3766	3772	rBV3	765346	1357995	23.18%	1.288%
84	13.408	3799	3805	3812	rVB3	350138	456245	7.79%	0.433%
85	13.453	3814	3819	3827	rVB2	273722	381757	6.52%	0.362%
86	13.507	3829	3836	3844	rBV3	491218	751942	12.84%	0.713%
87	13.726	3896	3904	3915	rVB6	666395	1308920	22.34%	1.242%
88	13.790	3916	3924	3935	rBV4	680205	1180676	20.15%	1.120%
89	13.883	3948	3953	3959	rVB2	281552	321492	5.49%	0.305%
90	14.343	4085	4096	4107	rVB6	755950	1559421	26.62%	1.479%
91	14.681	4193	4201	4219	rBV4	420742	845002	14.42%	0.802%
92	14.874	4252	4261	4273	rBV3	626246	1356880	23.16%	1.287%
93	15.009	4298	4303	4309	rBV5	180639	271026	4.63%	0.257%
94	15.536	4462	4467	4474	rBV	240863	341430	5.83%	0.324%
95	15.662	4501	4506	4516	rVB6	284477	421001	7.19%	0.399%
96	15.912	4573	4584	4596	rBV6	540879	1240414	21.17%	1.177%
97	16.060	4623	4630	4636	rBV	587427	854330	14.58%	0.810%
98	16.102	4637	4643	4659	rVB8	648805	1302344	22.23%	1.236%
99	17.166	4968	4974	4984	rVB	366845	536523	9.16%	0.509%
100	17.227	4987	4993	5003	rVV6	164092	261006	4.46%	0.248%

Sum of corrected areas: 105409869

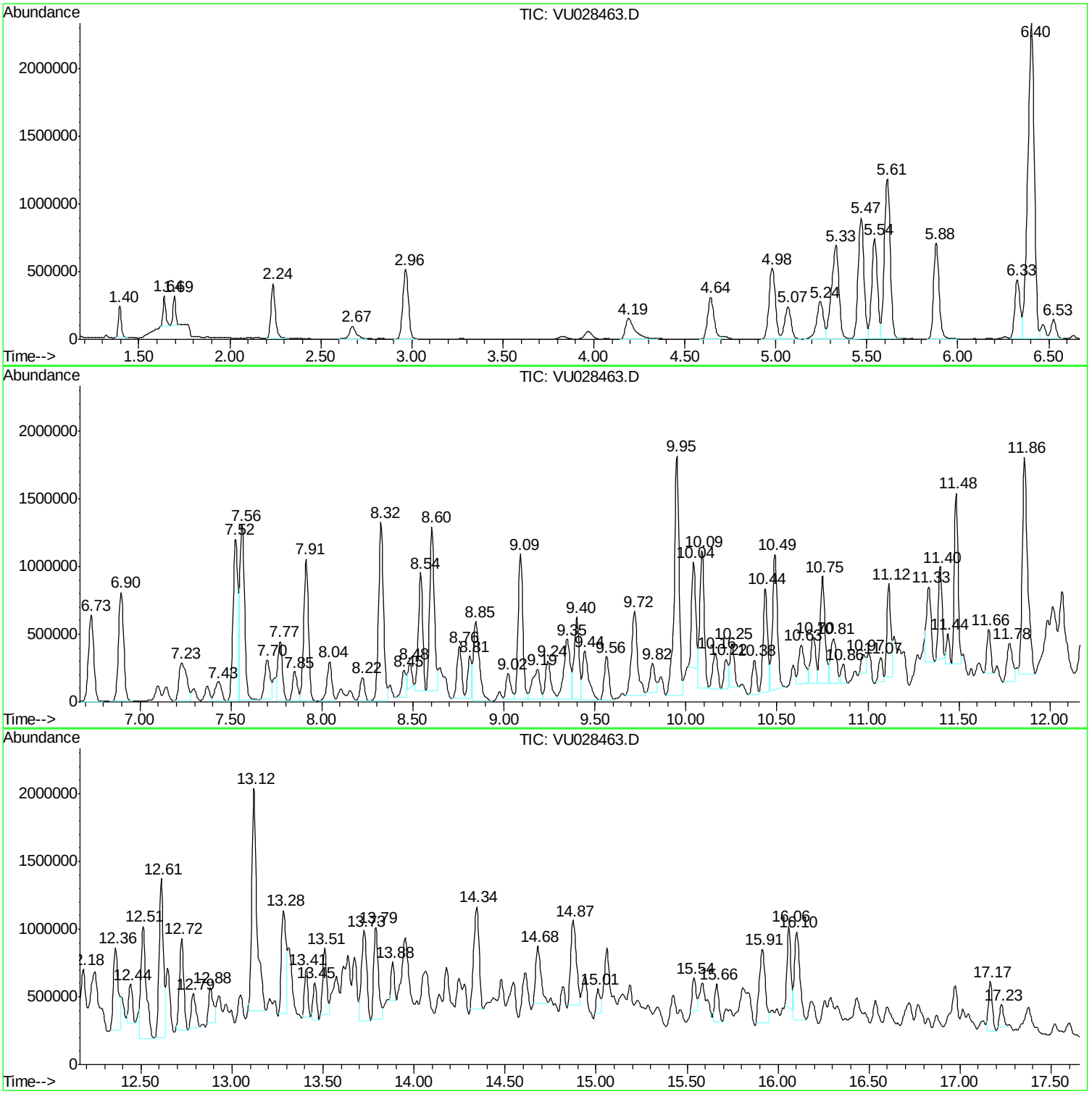
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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 : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

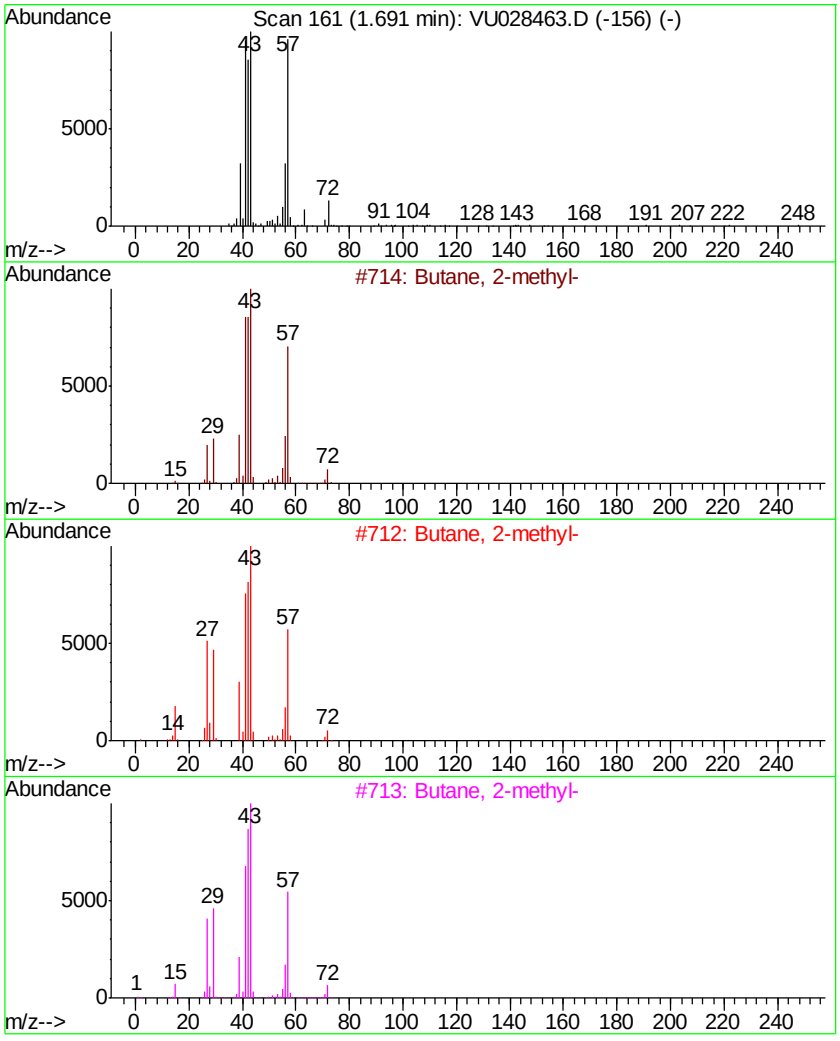
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

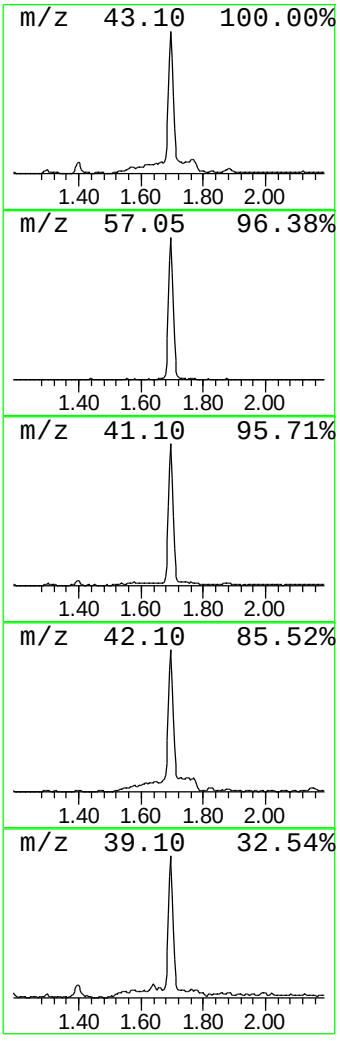
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	7.81 ug/L	229316	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	64
4	Pentane	72	C5H12	000109-66-0	53
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

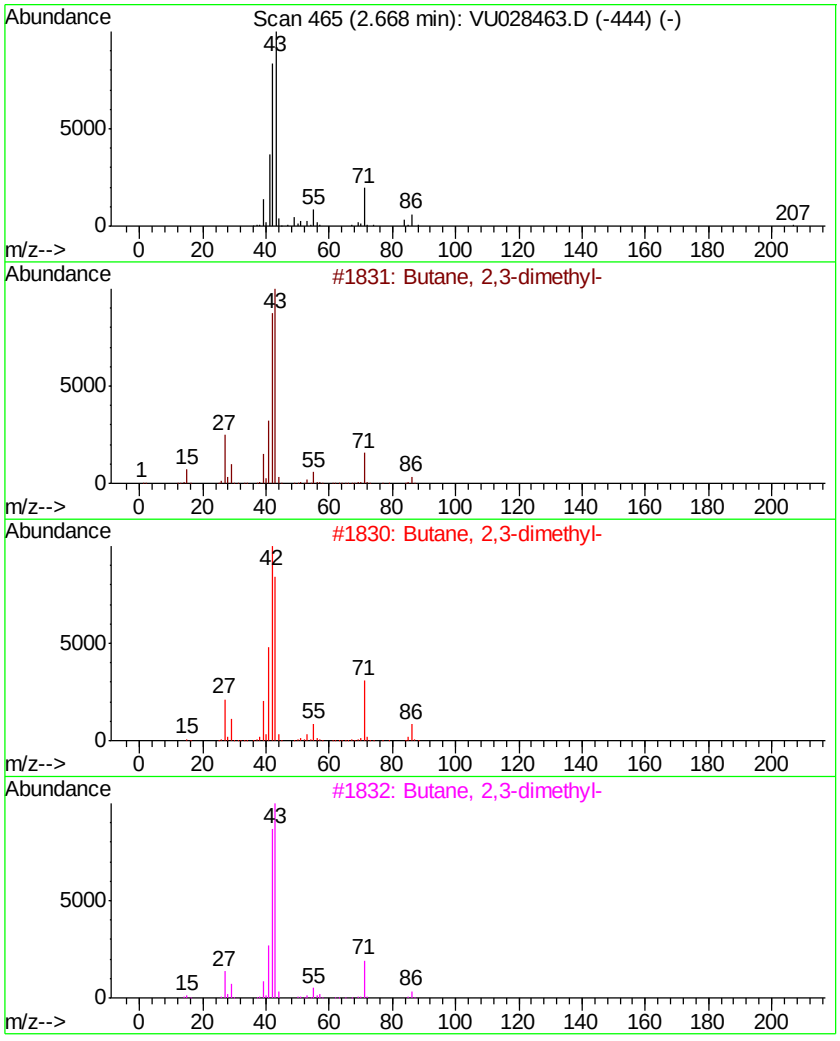
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

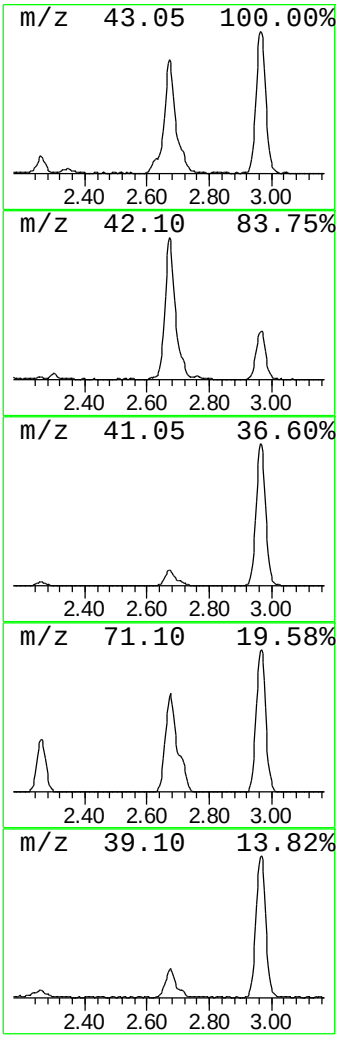
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.67	8.13 ug/L	238713	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	59
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	56
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	46
5	Tetrahydrofuran	72	C4H8O	000109-99-9	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

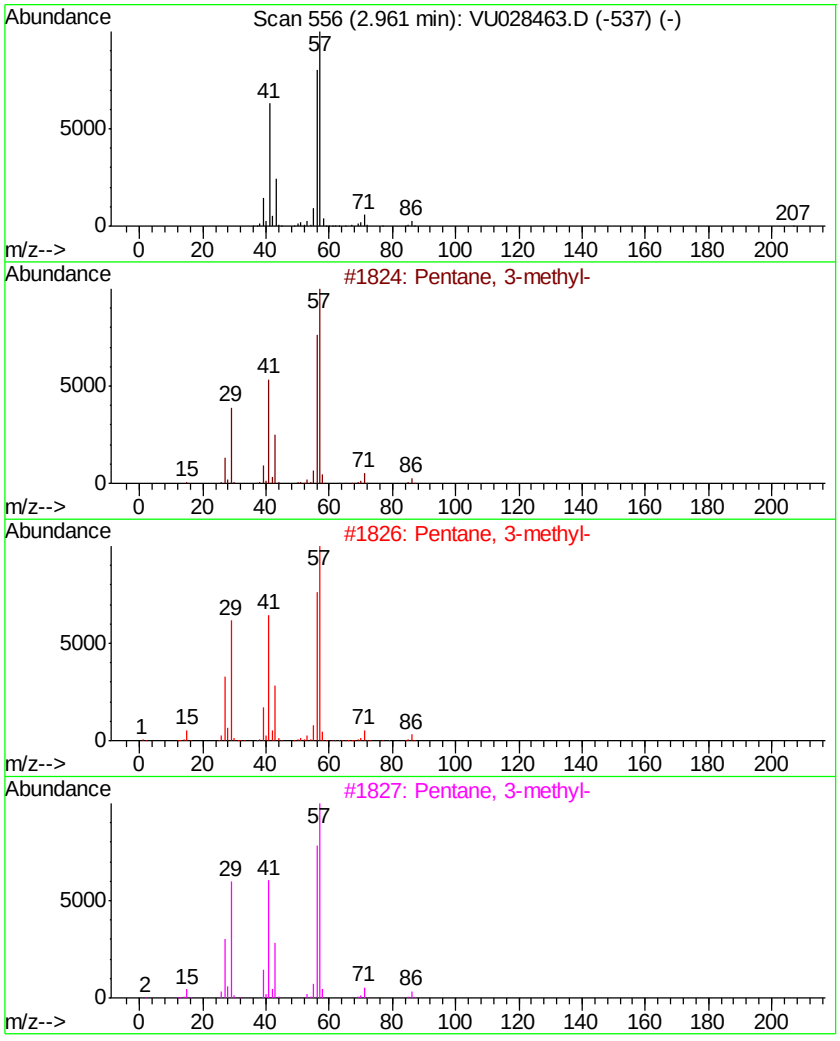
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

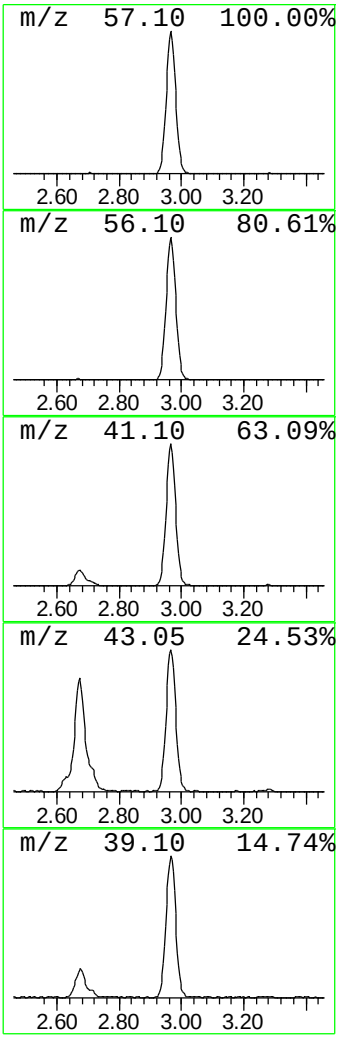
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	37.88 ug/L	1112890	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	74
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

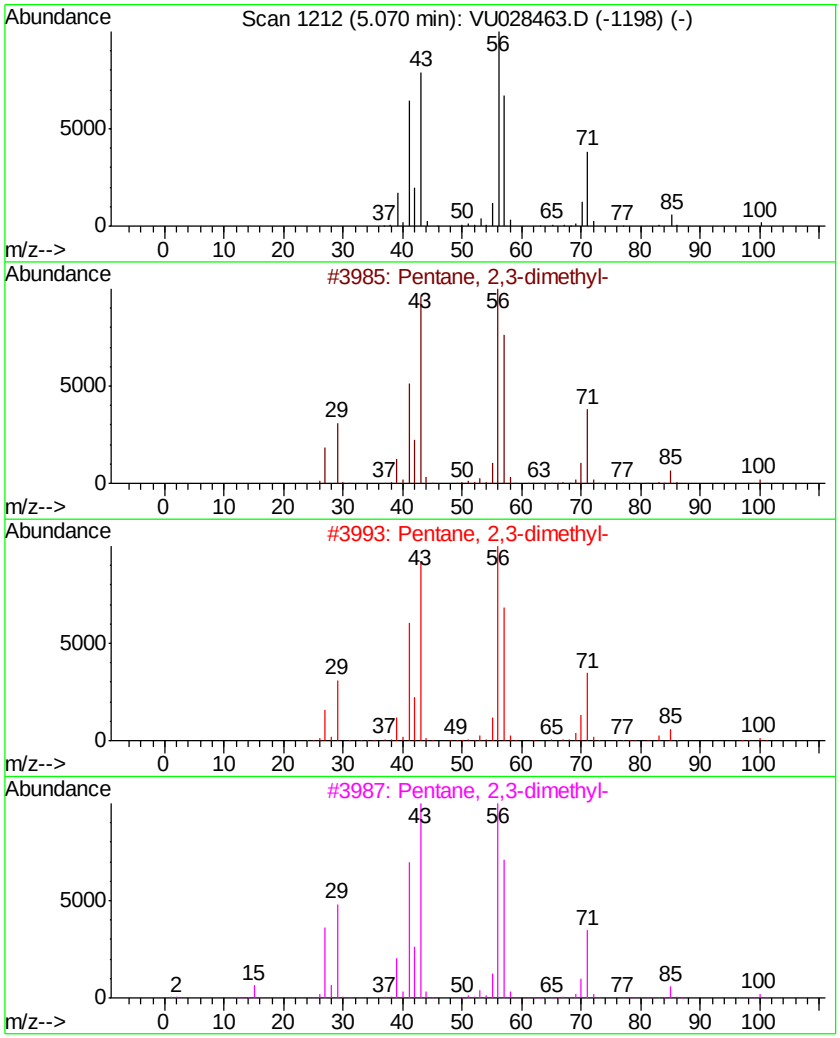
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

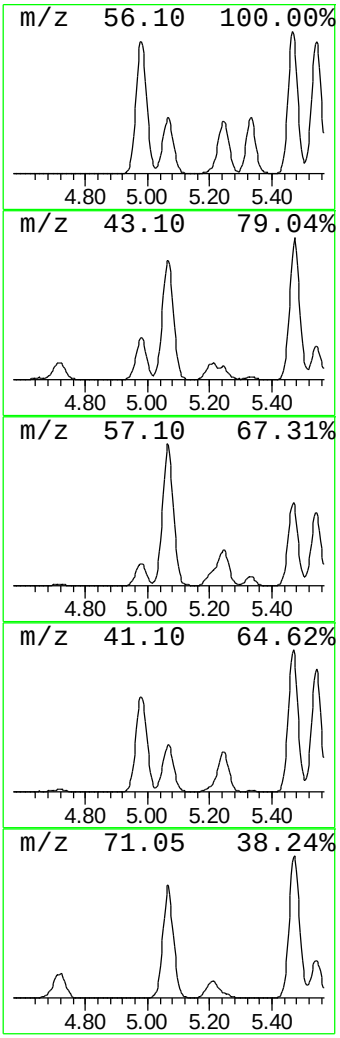
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	19.84 ug/L	582798	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	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	58
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

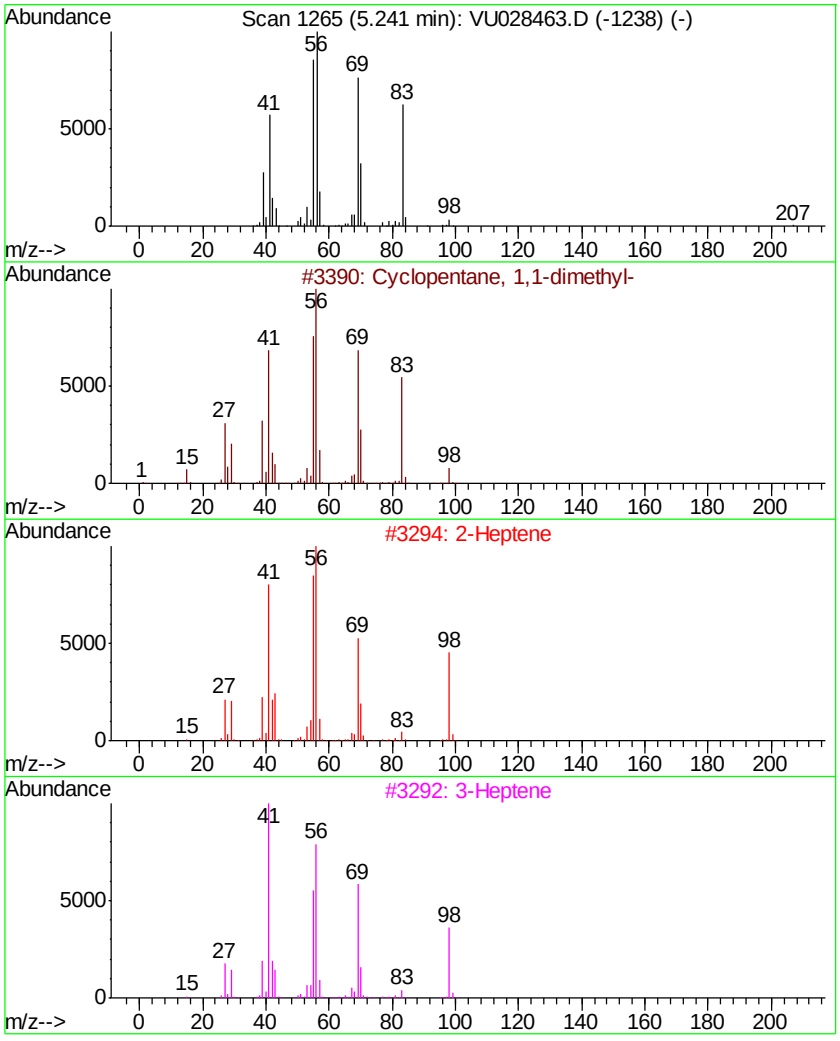
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

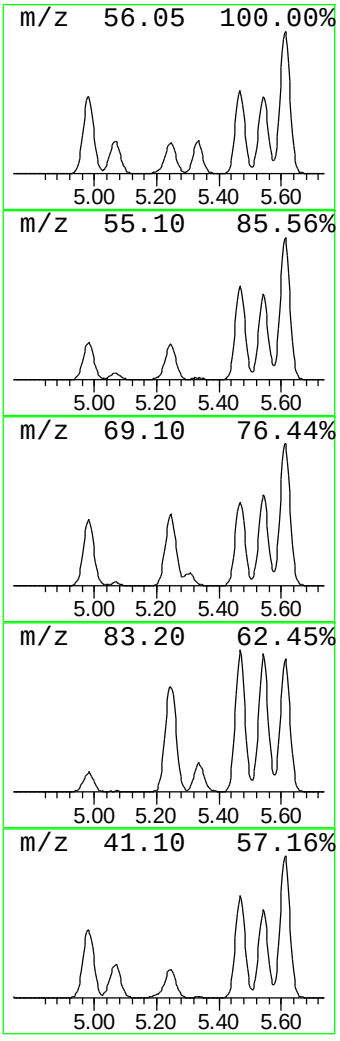
****

Peak Number 5 (DEL) Alkane: Cyclic5.24 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	25.18 ug/L	739735	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	90
2	2-Heptene	98	C7H14	000592-77-8	64
3	3-Heptene	98	C7H14	000592-78-9	59
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	58
5	2-Heptene	98	C7H14	000592-77-8	45





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Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

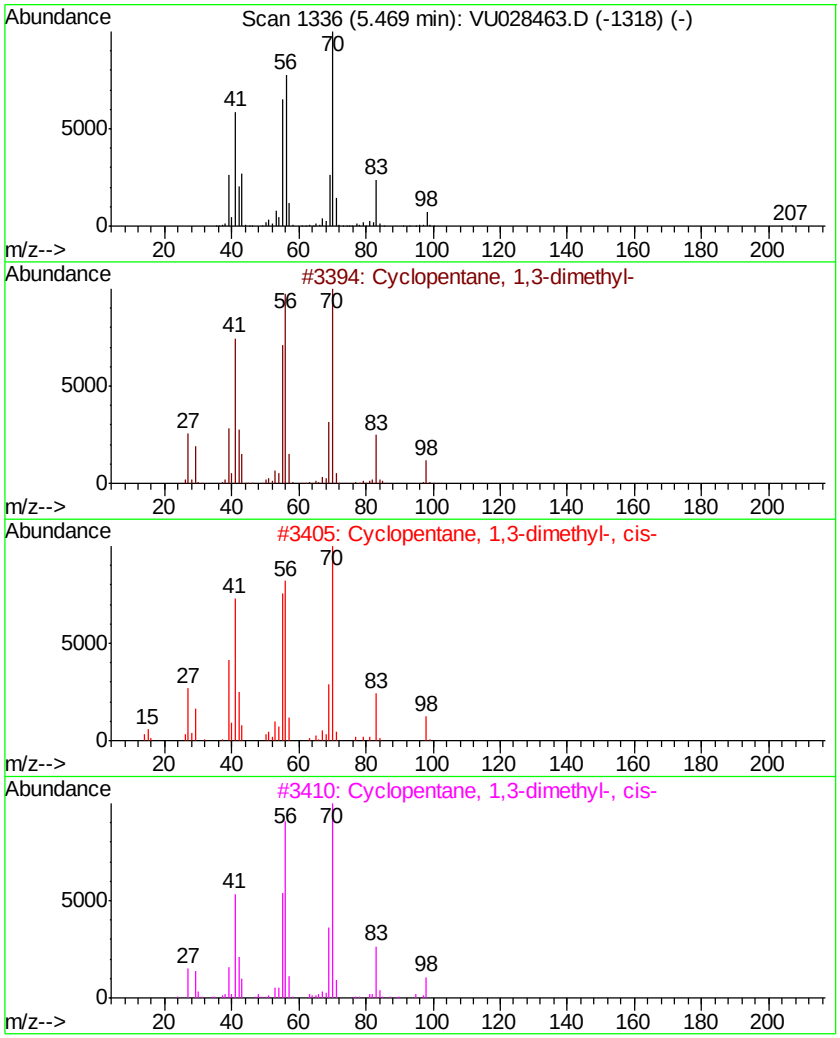
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

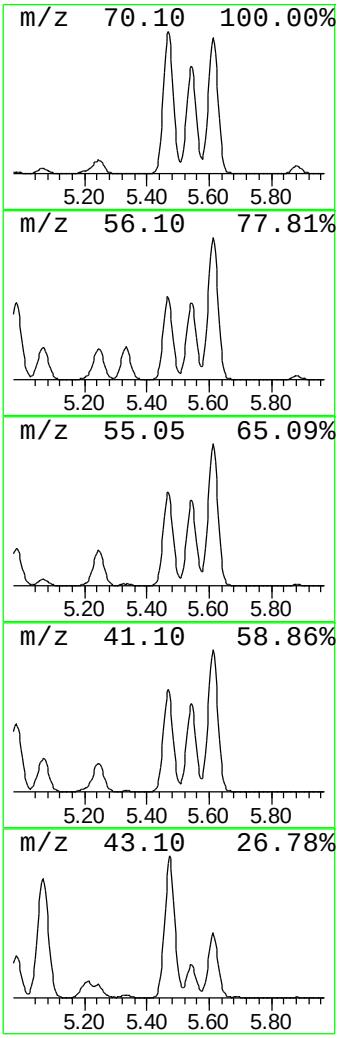
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	68.34 ug/L	2007480	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	83
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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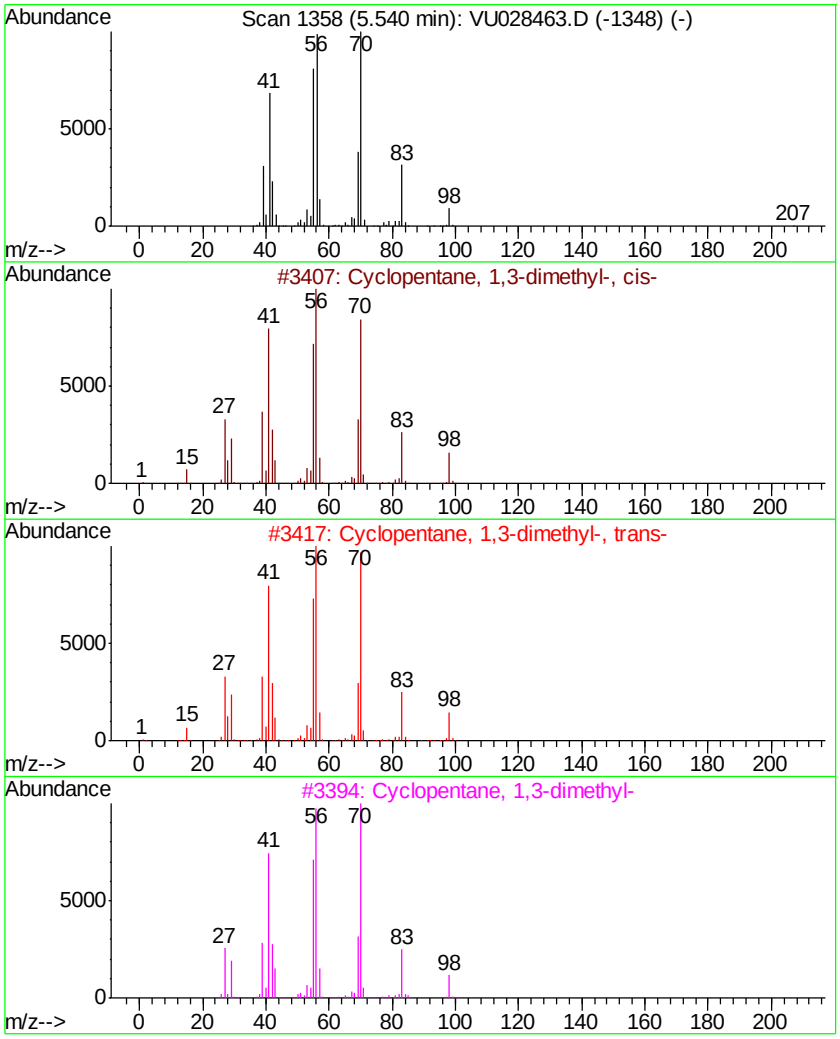
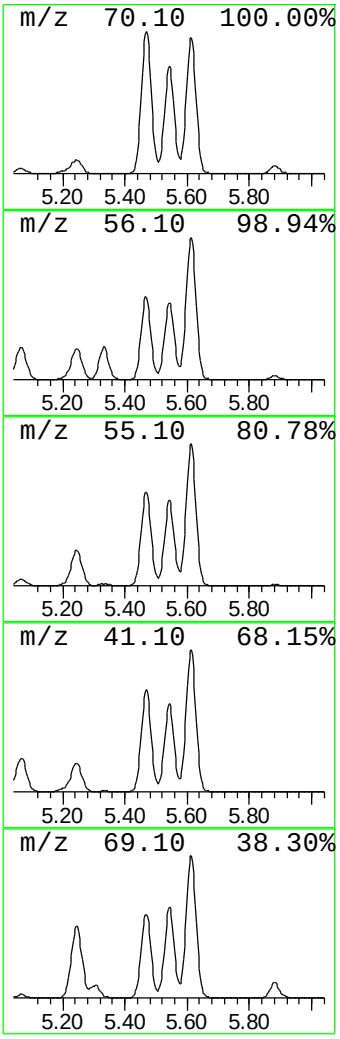
Peak Number 7 (DEL) Alkane: Cyclic5.54 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	54.91 ug/L	1612880	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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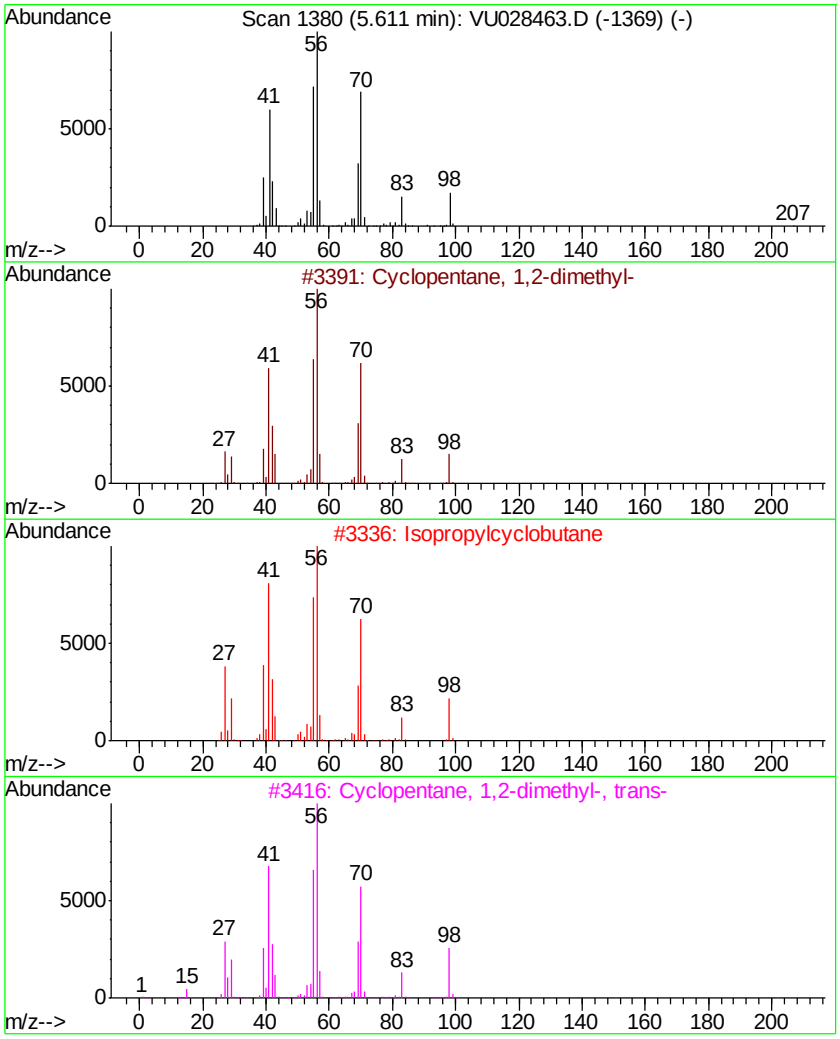
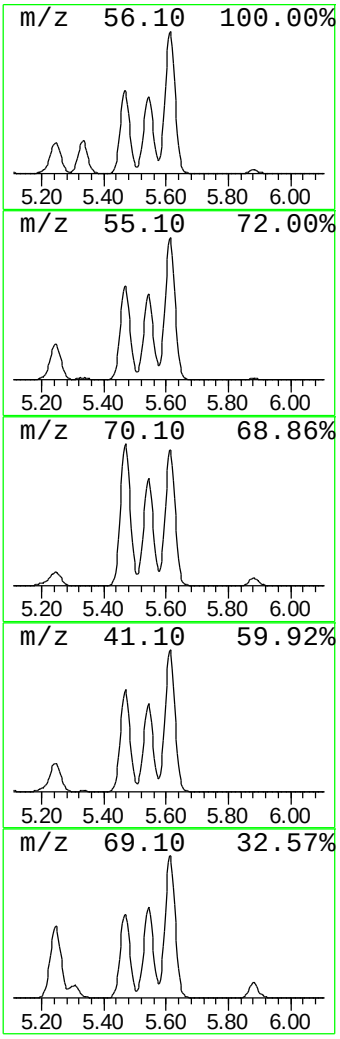
Peak Number 8 (DEL) Alkane: Cyclic5.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	90.31 ug/L	2653020	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-, cis-	98	C7H14	001192-18-3	91
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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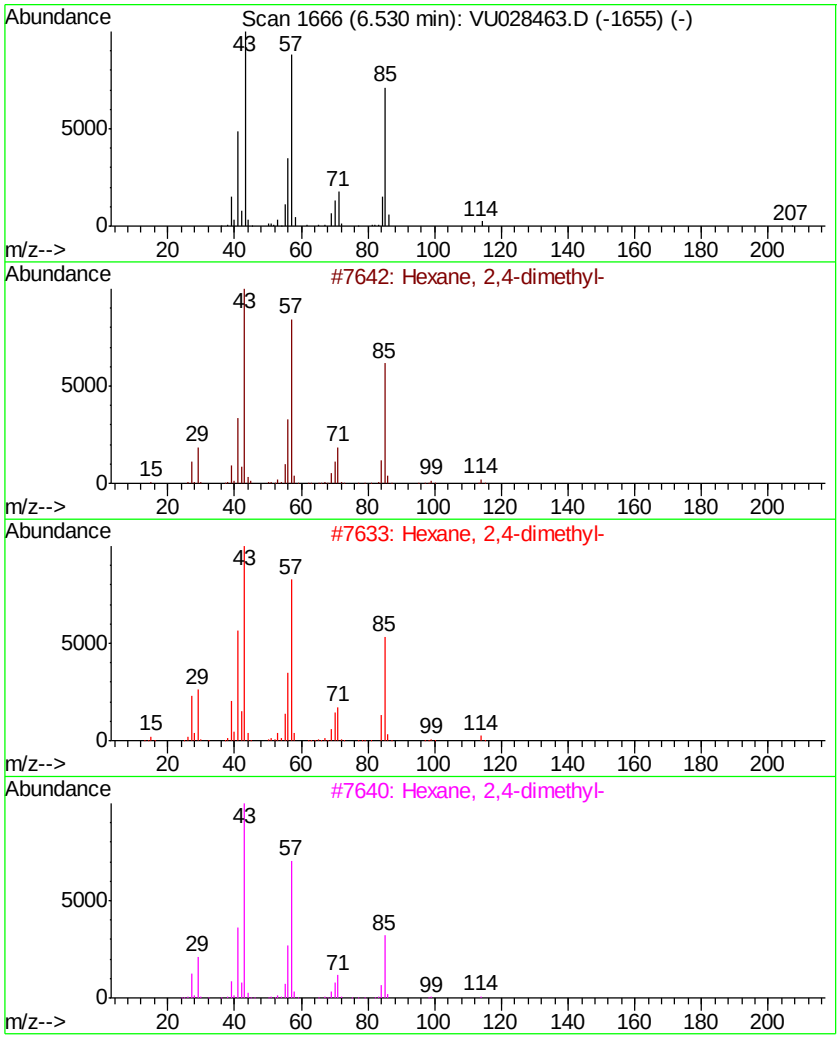
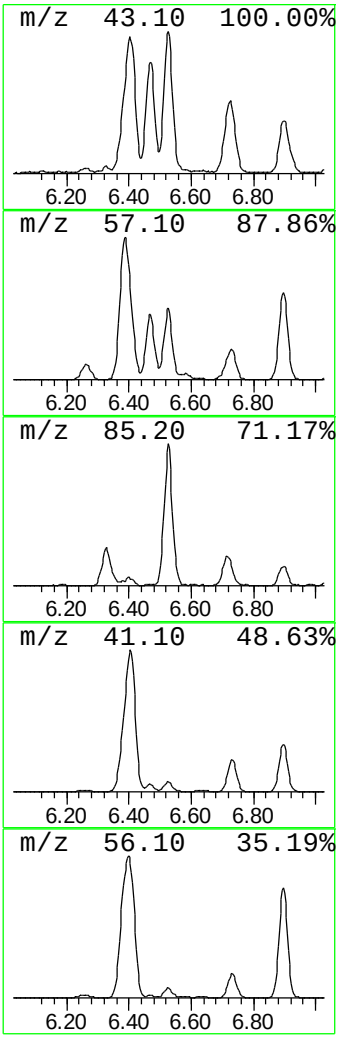
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	8.96 ug/L	263204	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	95
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	94
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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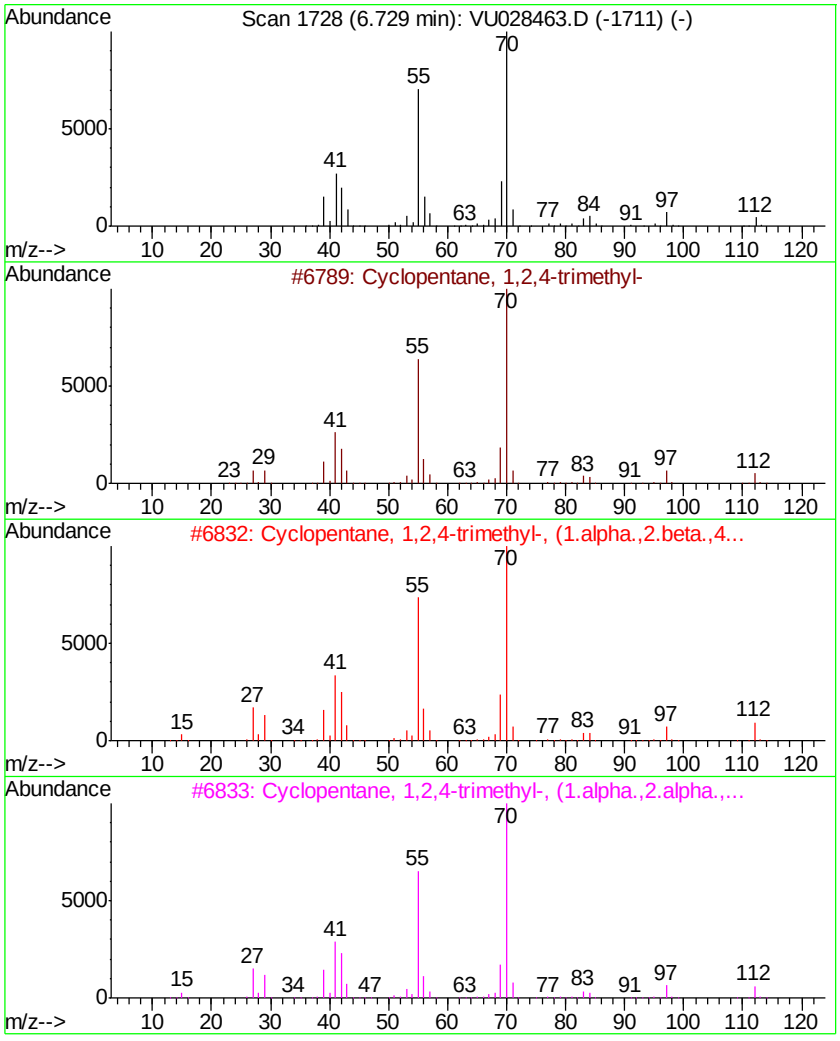
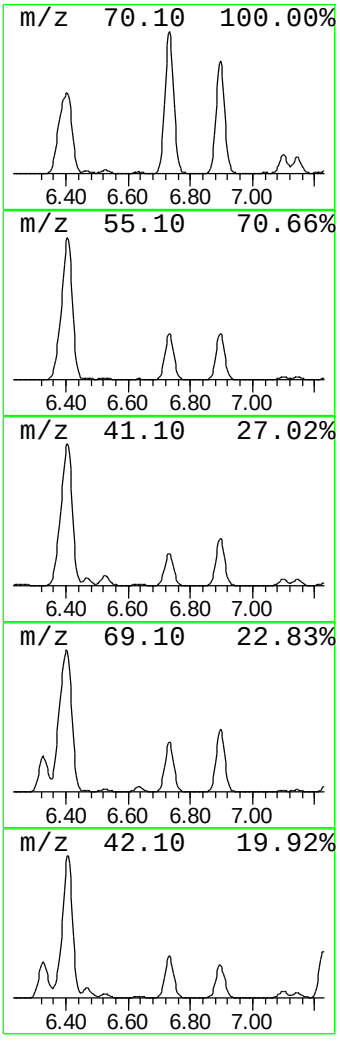
Peak Number 10 (DEL) Alkane: Cyclic6.73 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	44.46 ug/L	1306060	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	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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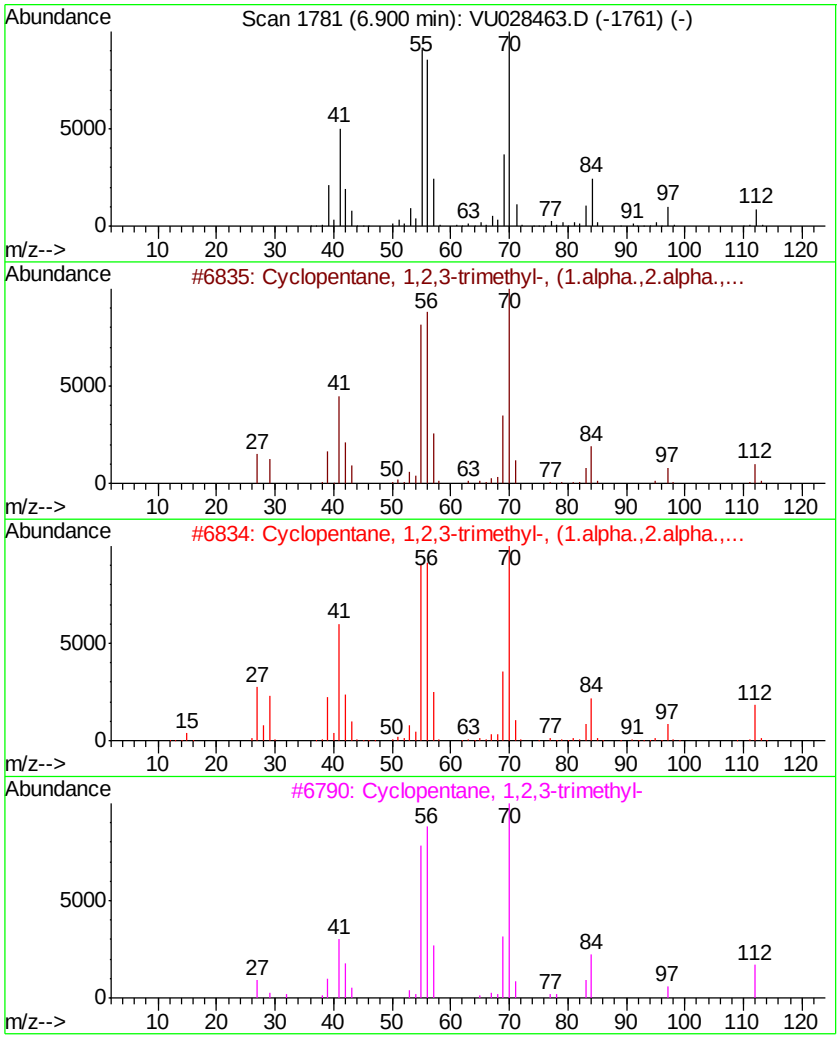
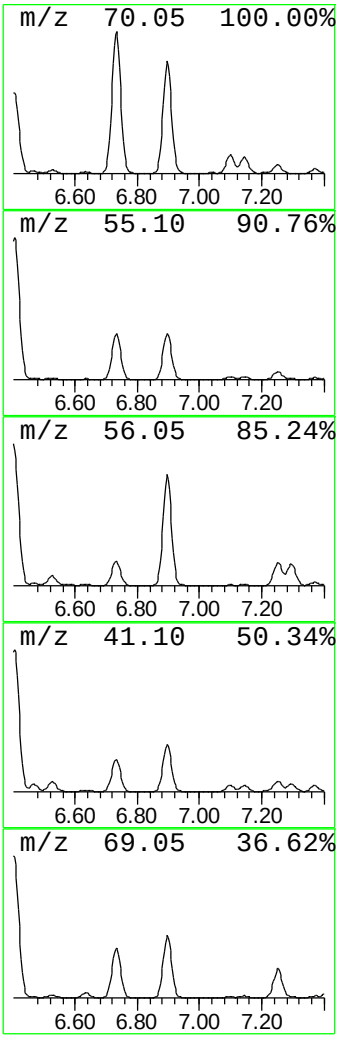
Peak Number 11 (DEL) Alkane: Cyclic6.90 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	54.08 ug/L	1588540	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	93
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-dimethyl-, cis-	98	C7H14	001192-18-3	87
5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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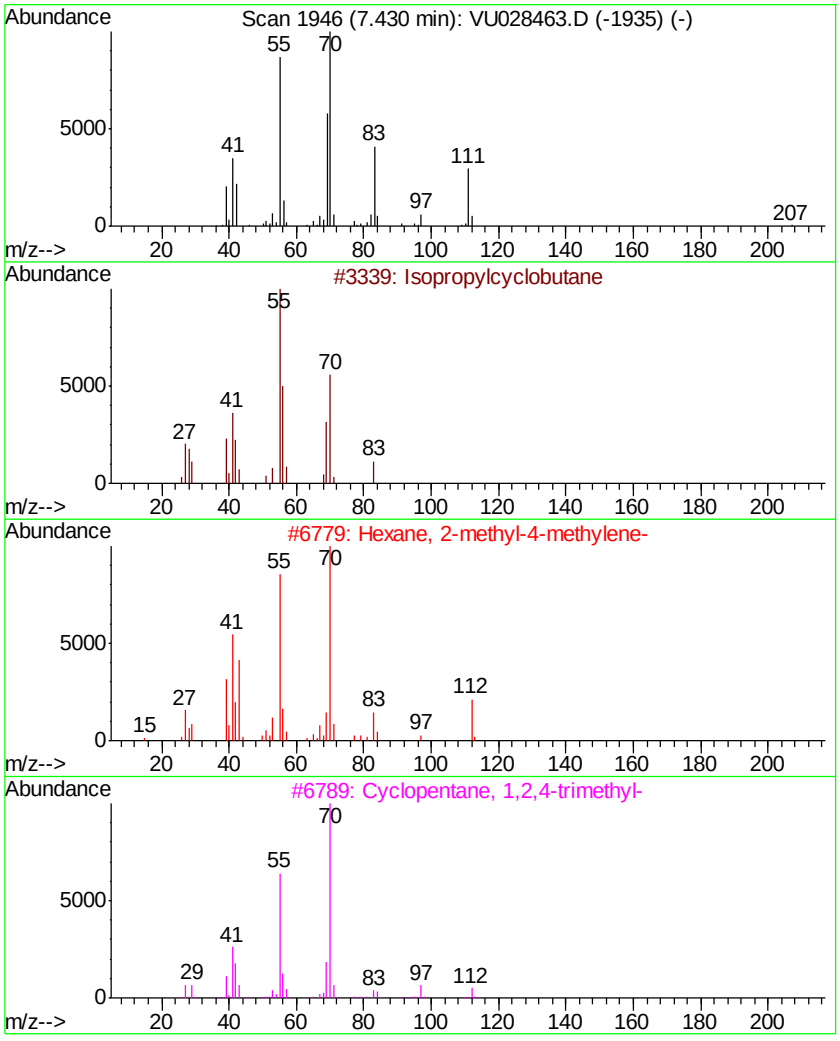
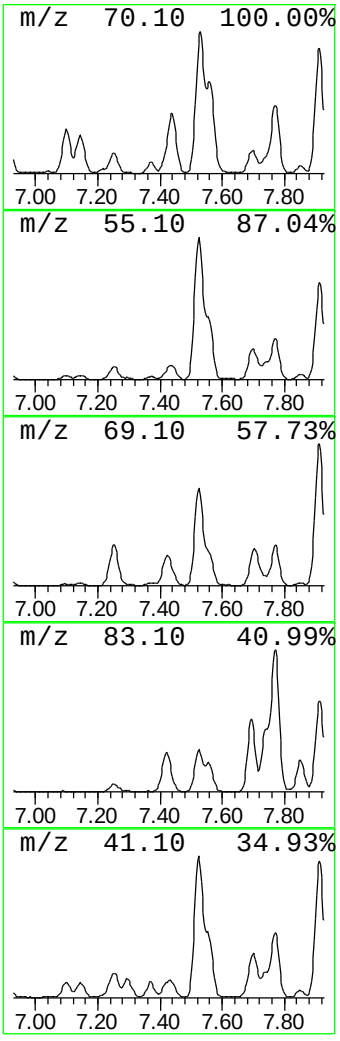
Peak Number 13 (DEL) Alkane: Cyclic7.43 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	12.13 ug/L	356204	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	59
2	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	53
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	52
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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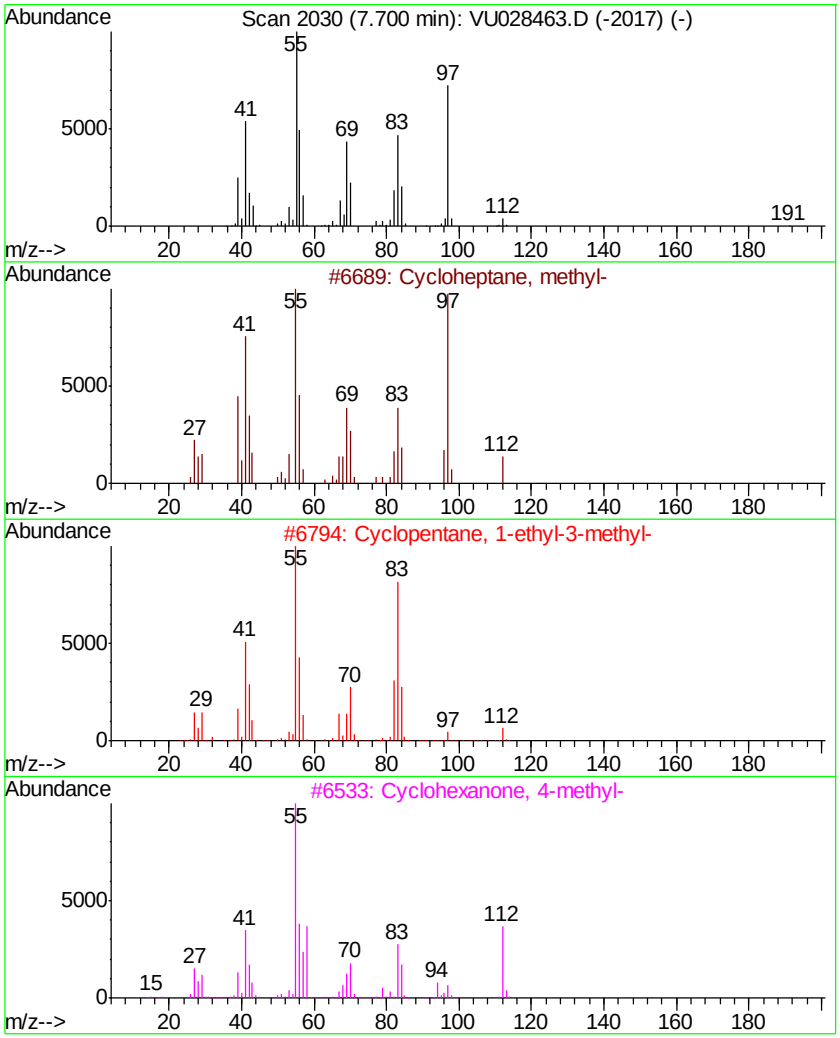
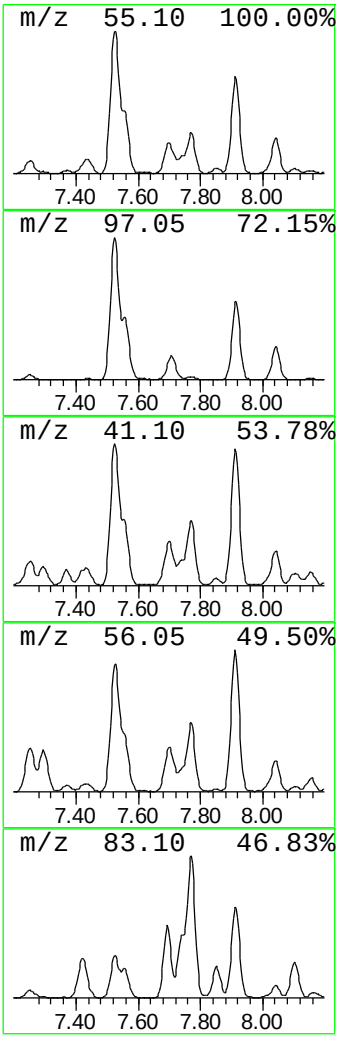
Peak Number 14 (DEL) Alkane: Cyclic7.70 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	16.99 ug/L	639453	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	72
2	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	60
3	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	59
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	58
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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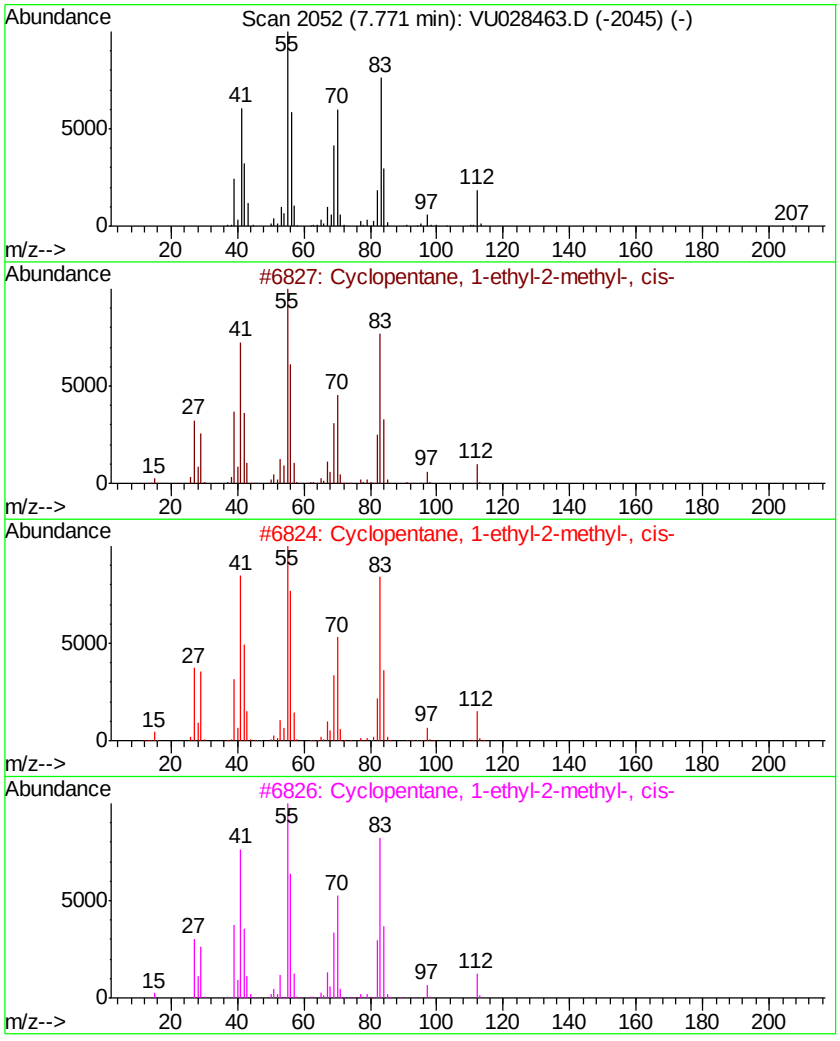
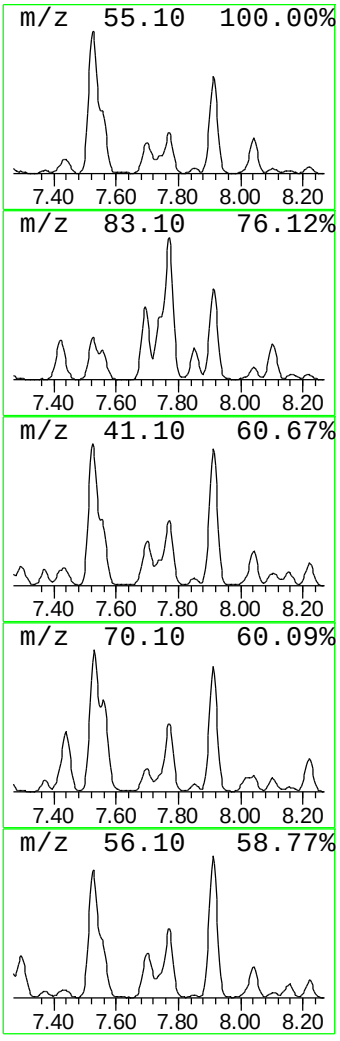
Peak Number 15 (DEL) Alkane: Cyclic7.77 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	20.77 ug/L	781746	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	87
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	72
4	Cyclooctane	112	C8H16	000292-64-8	70
5	Cyclooctane	112	C8H16	000292-64-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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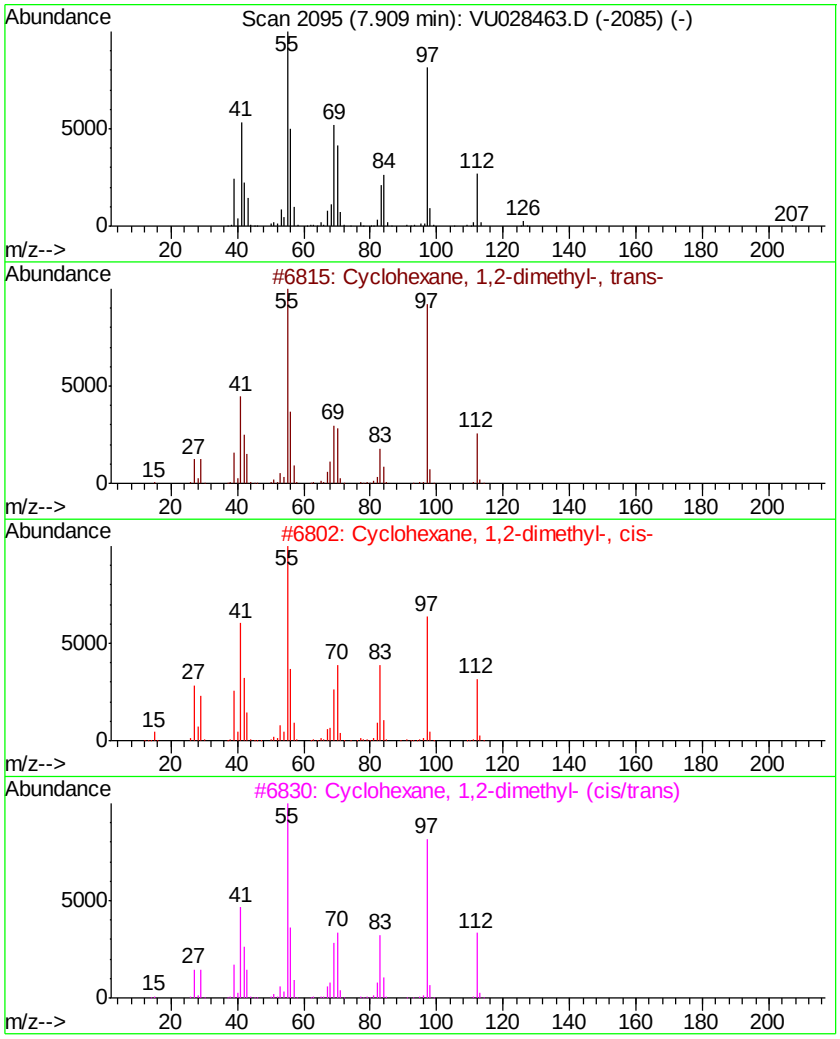
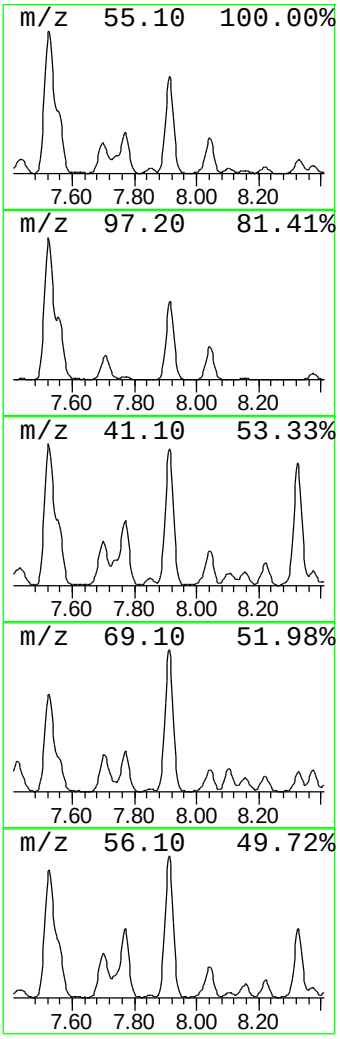
Peak Number 16 (DEL) Alkane: Cyclic7.91 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	50.98 ug/L	1919140	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	87
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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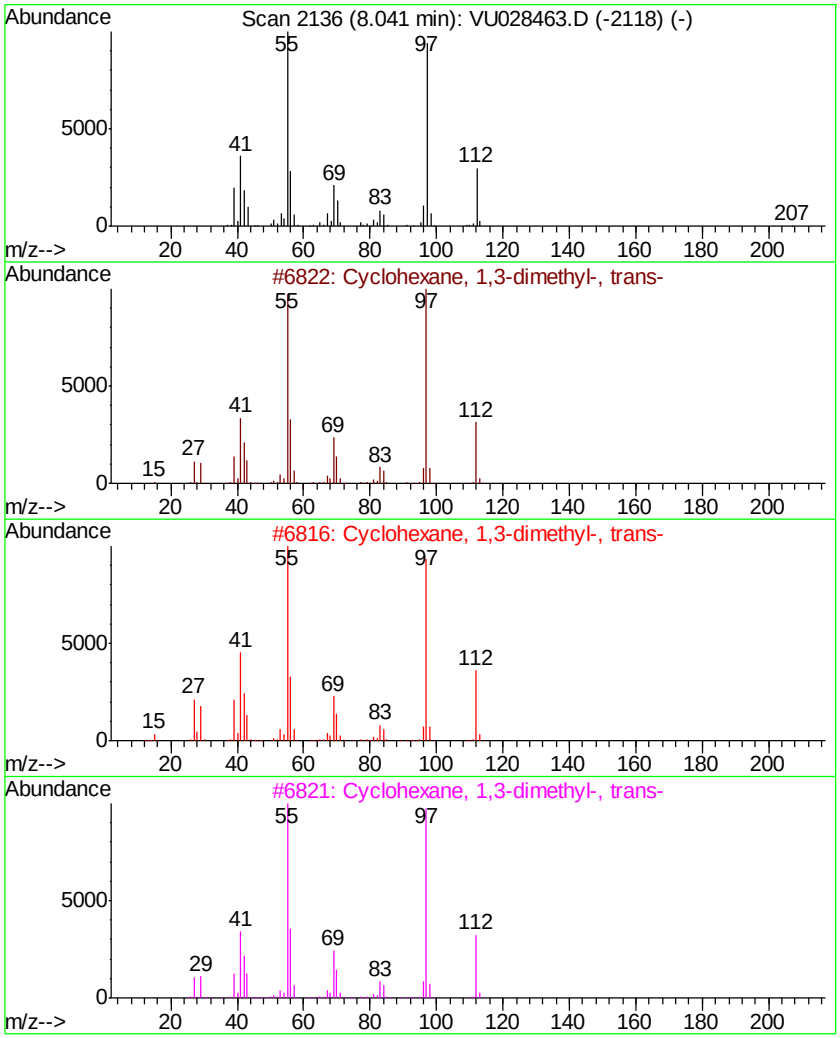
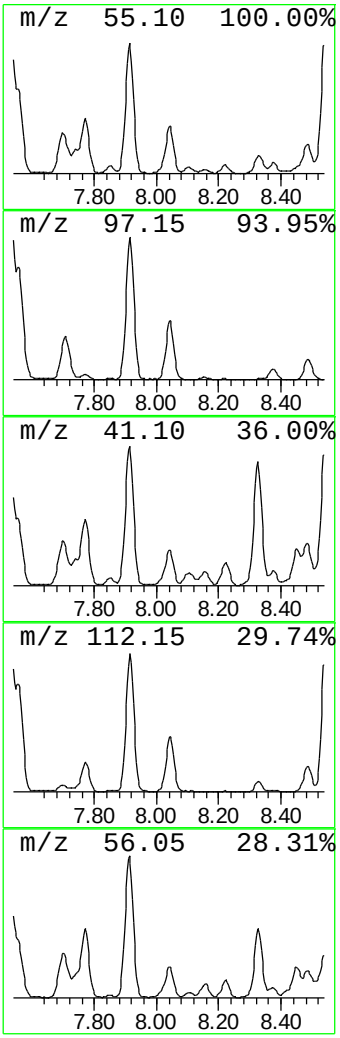
Peak Number 17 (DEL) Alkane: Cyclic8.04 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	14.73 ug/L	554685	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 : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

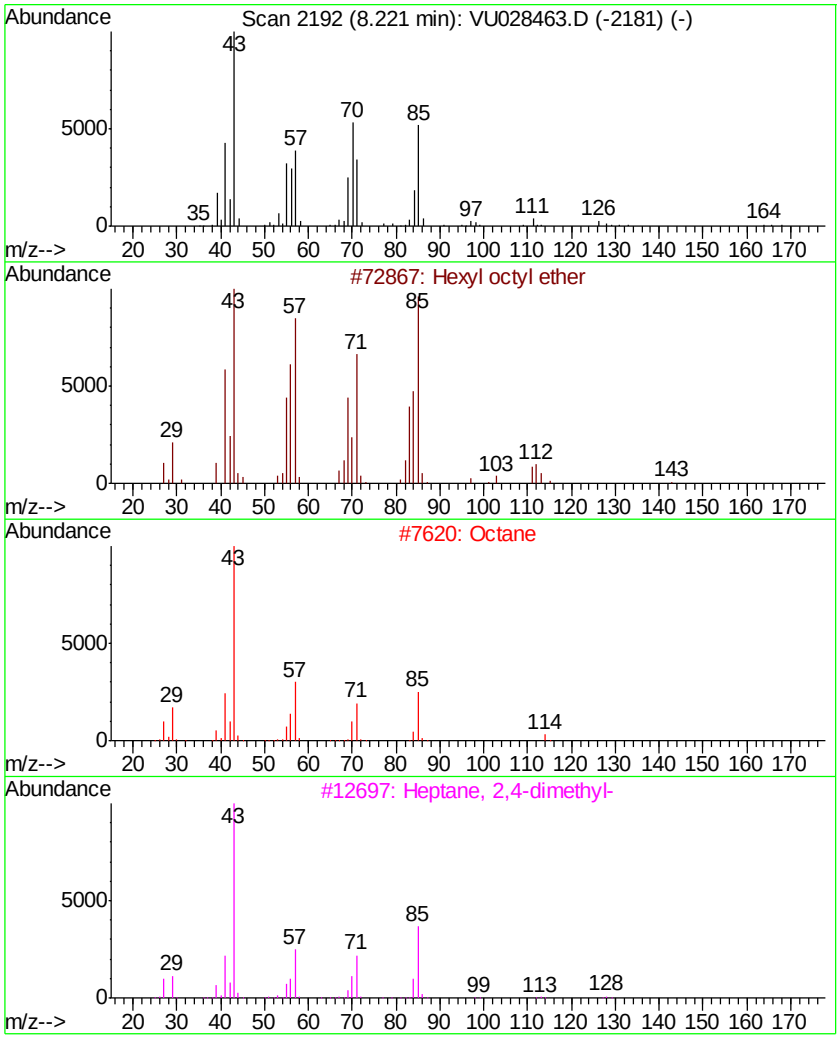
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

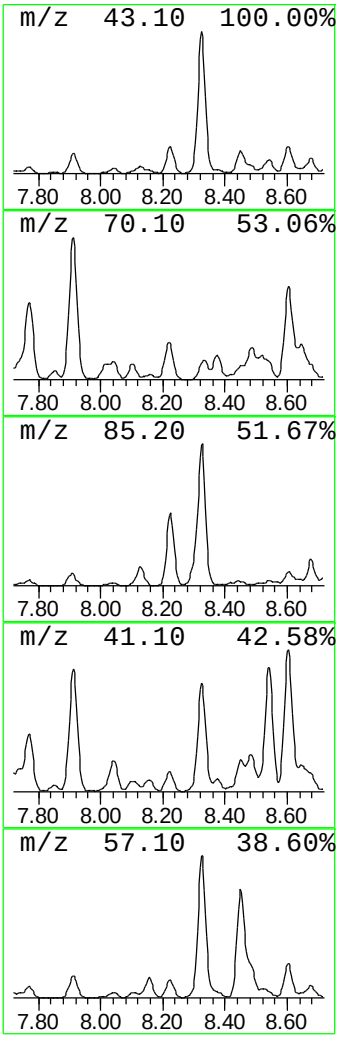
****

Peak Number 18 Hexyl octyl ether Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	8.20 ug/L	308720	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl octyl ether	214	C14H30O	017071-54-4	59
2	Octane	114	C8H18	000111-65-9	53
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	49





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Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

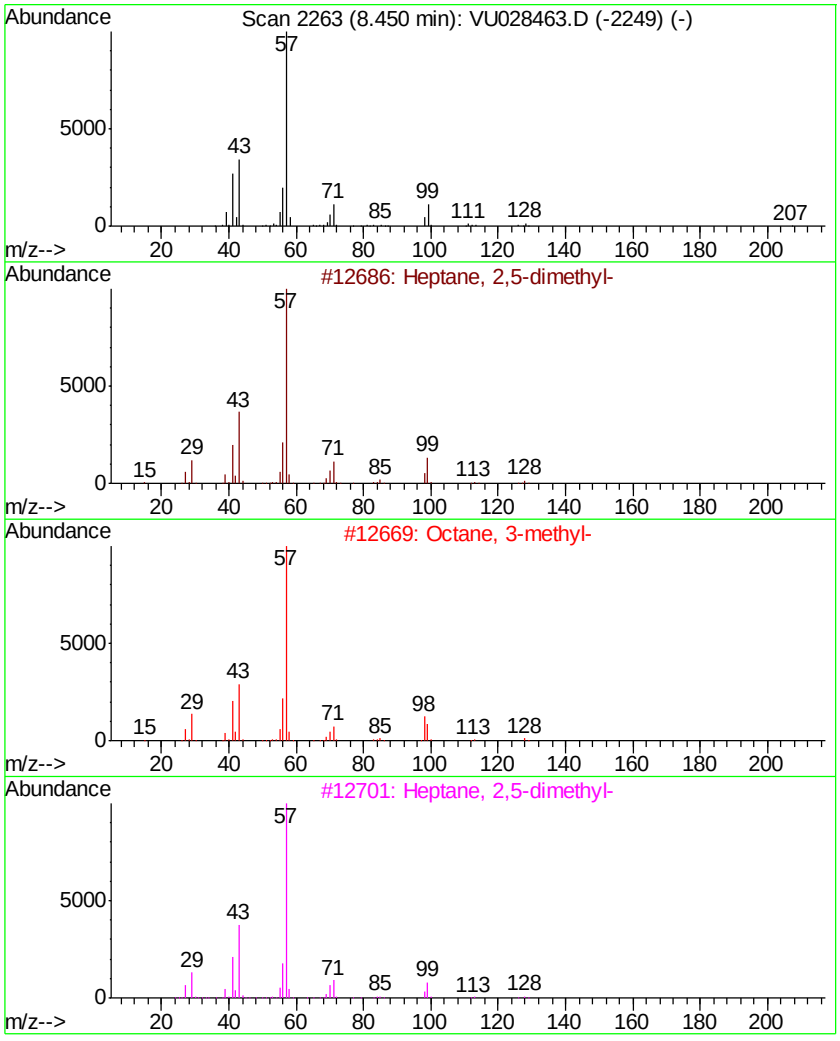
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

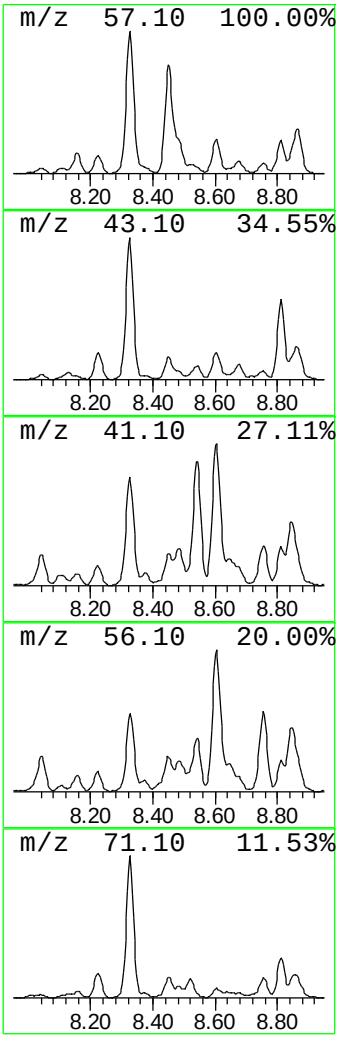
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	9.44 ug/L	355488	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	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	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

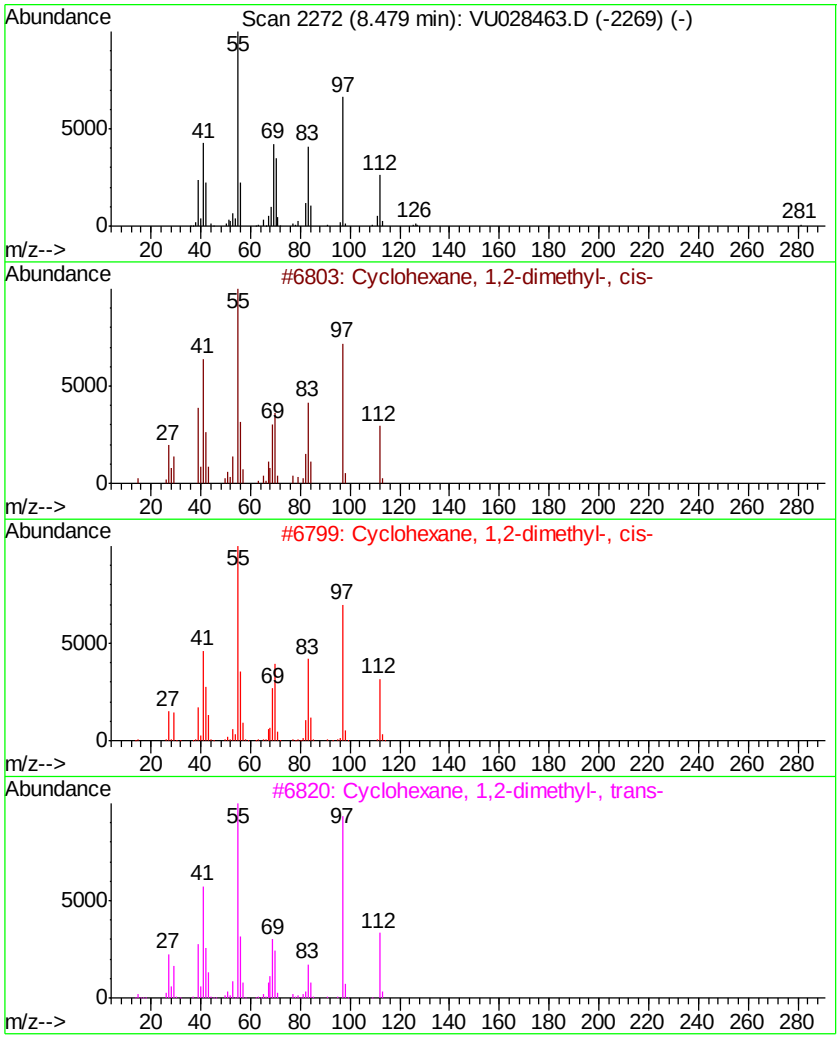
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

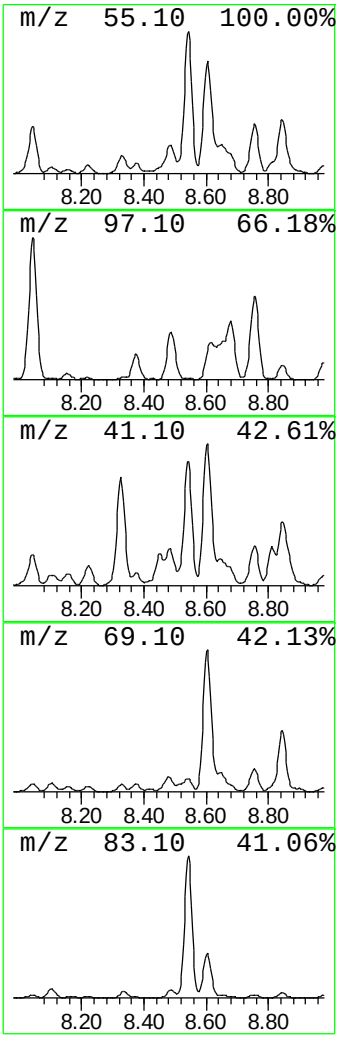
****

Peak Number 20 (DEL) Alkane: Cyclic8.48 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	6.81 ug/L	256493	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	76
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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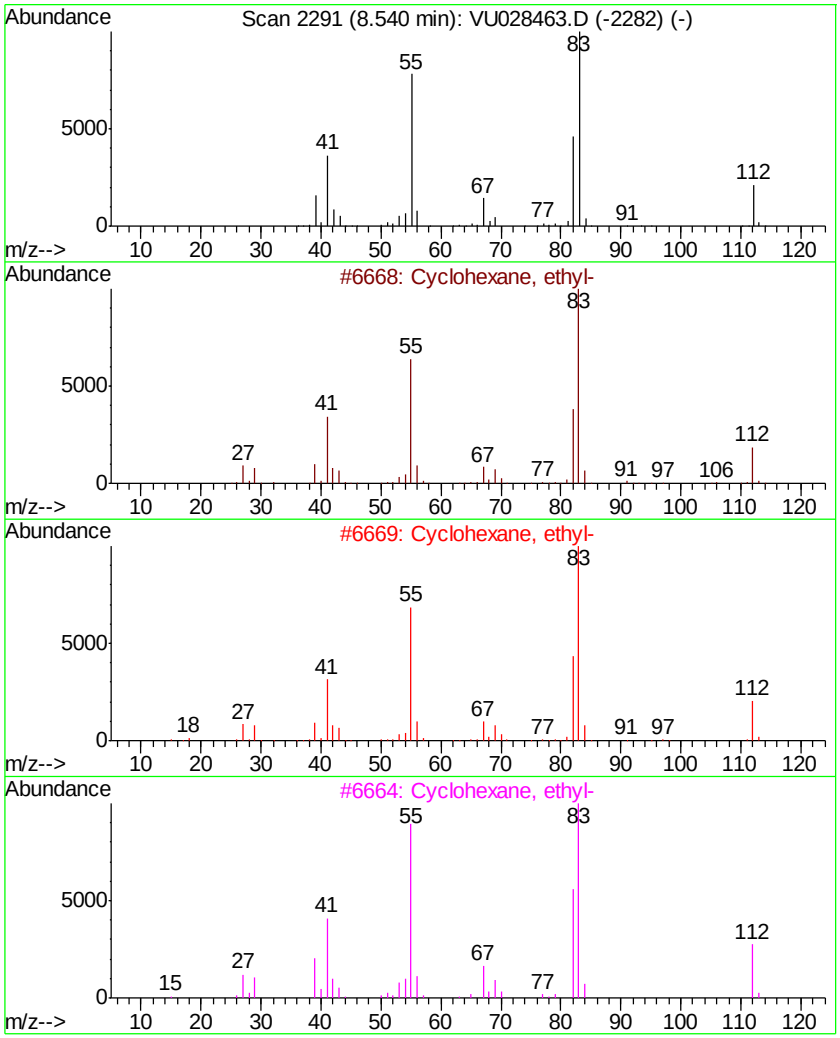
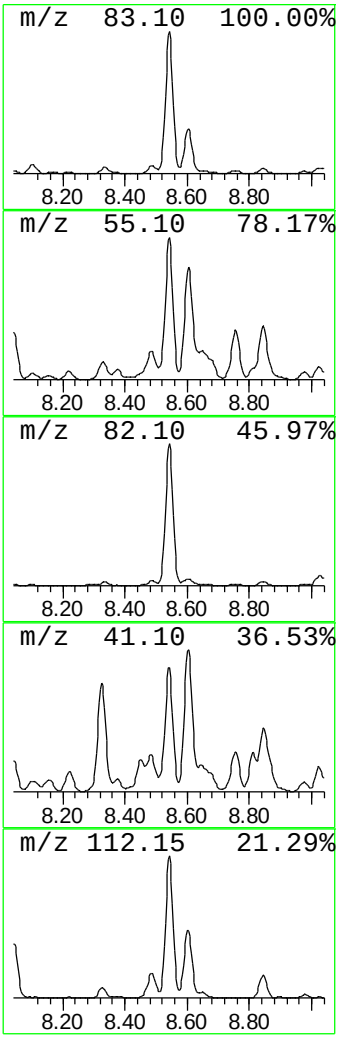
Peak Number 21 (DEL) Alkane: Cyclic8.54 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	37.98 ug/L	1429770	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	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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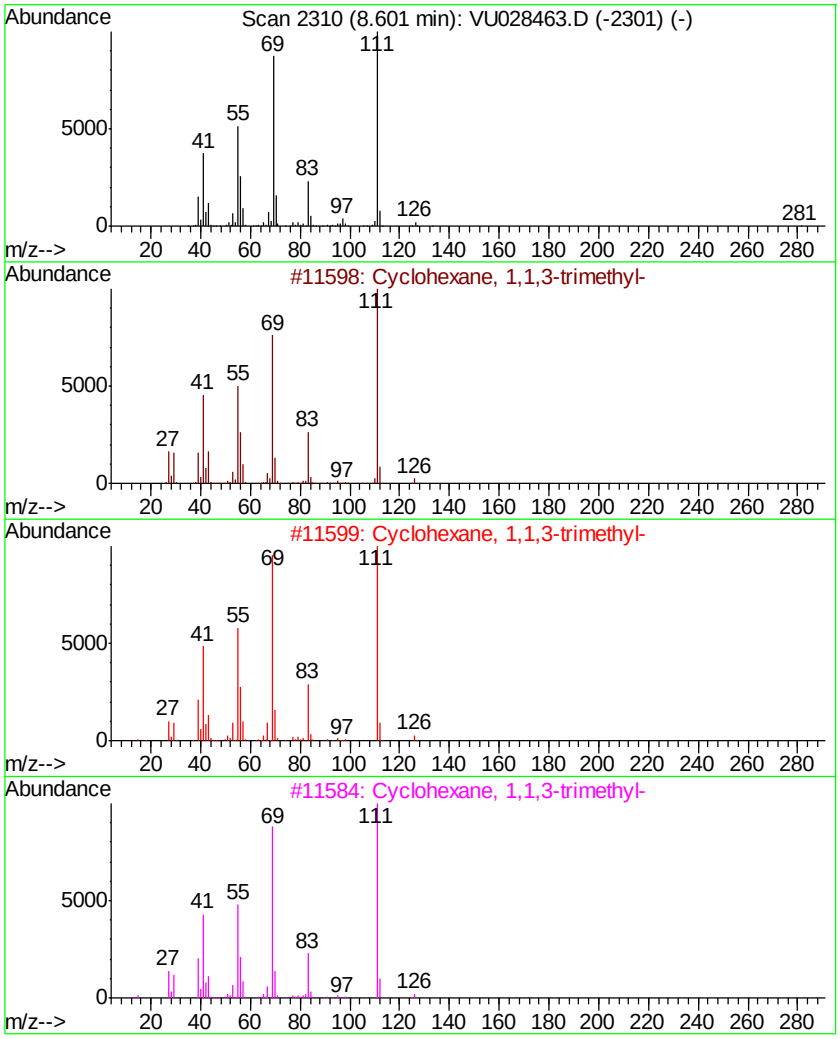
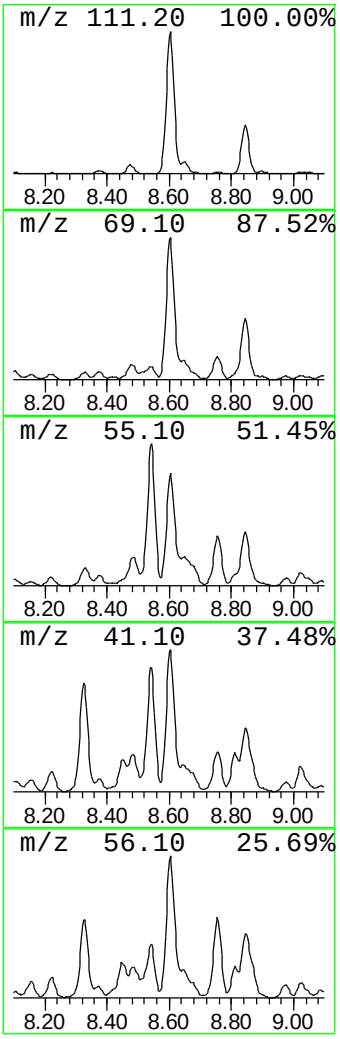
Peak Number 22 (DEL) Alkane: Cyclic8.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	57.41 ug/L	2161390	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	94
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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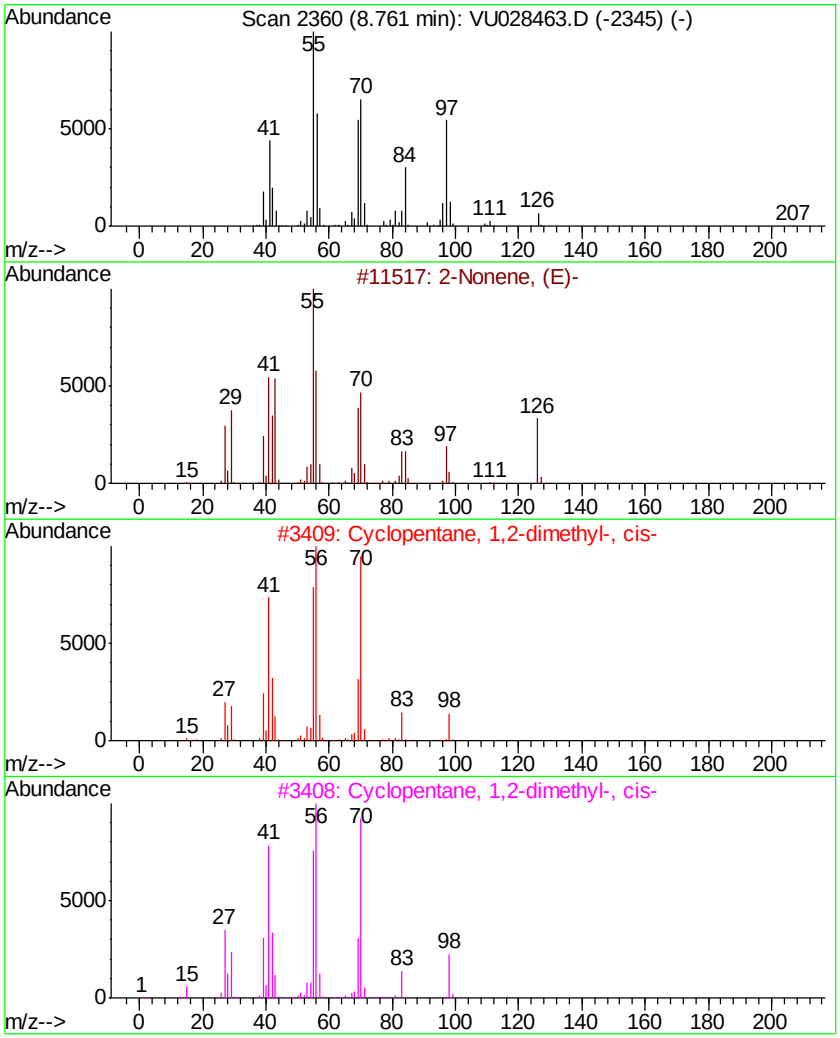
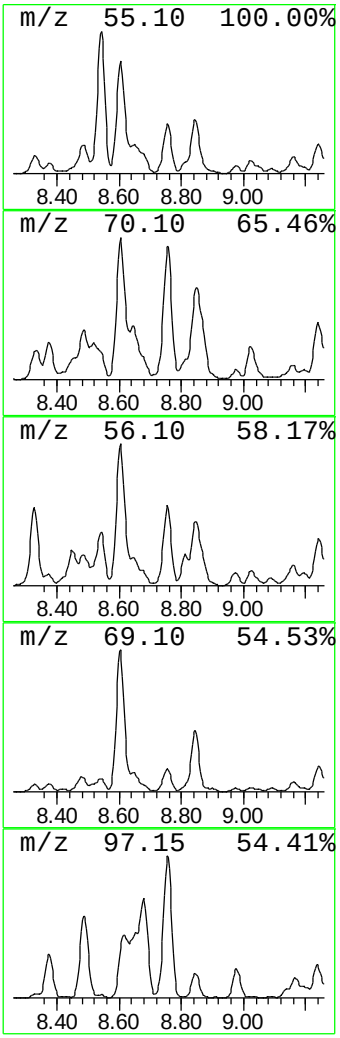
Peak Number 23 (DEL) Alkane: Cyclic8.76 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	18.19 ug/L	684840	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonene, (E)-	126	C9H18	006434-78-2	83
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
4	cis-2-Nonene	126	C9H18	006434-77-1	53
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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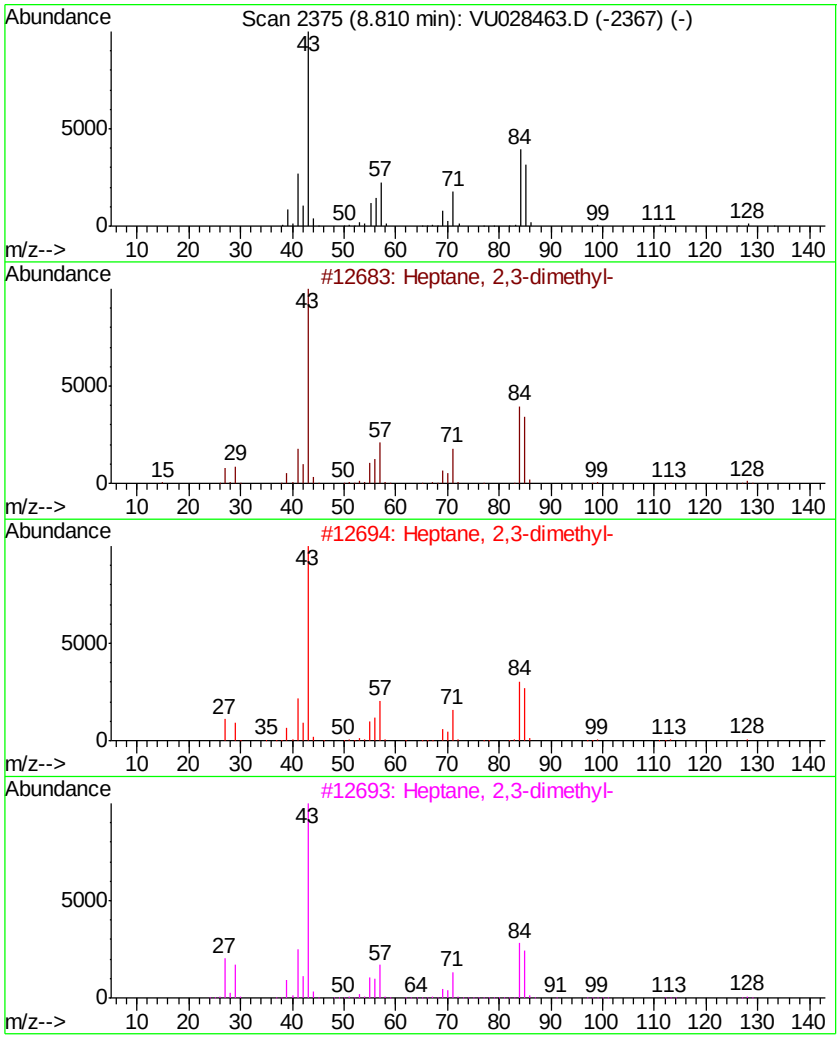
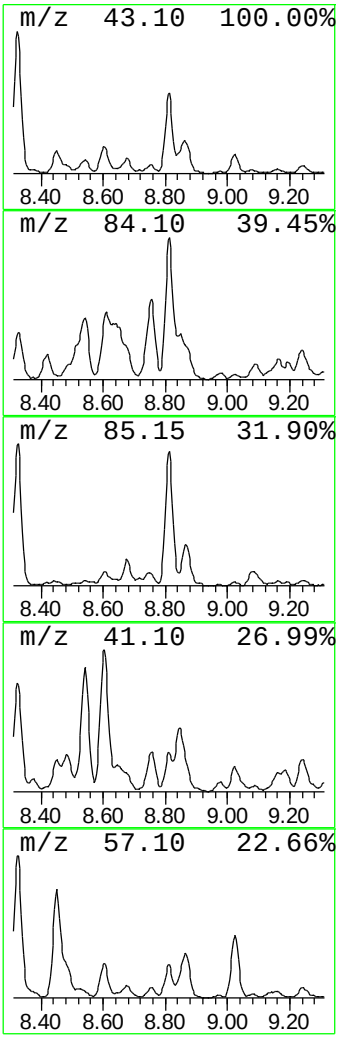
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	12.43 ug/L	467775	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	94
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	90
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	90
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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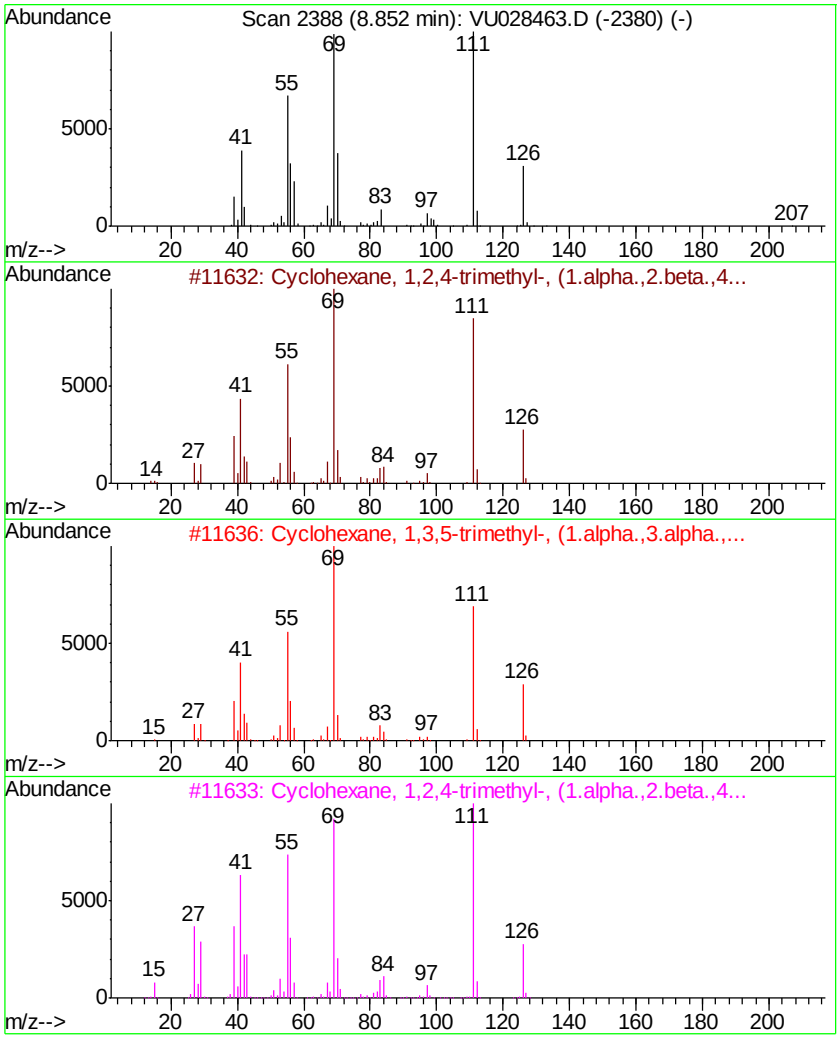
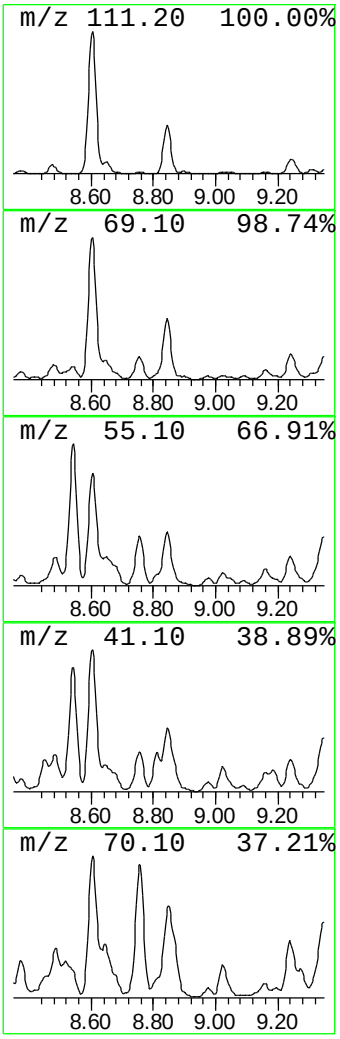
Peak Number 25 (DEL) Alkane: Cyclic8.85 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	34.12 ug/L	1284460	Chlorobenzene-d5	9.09

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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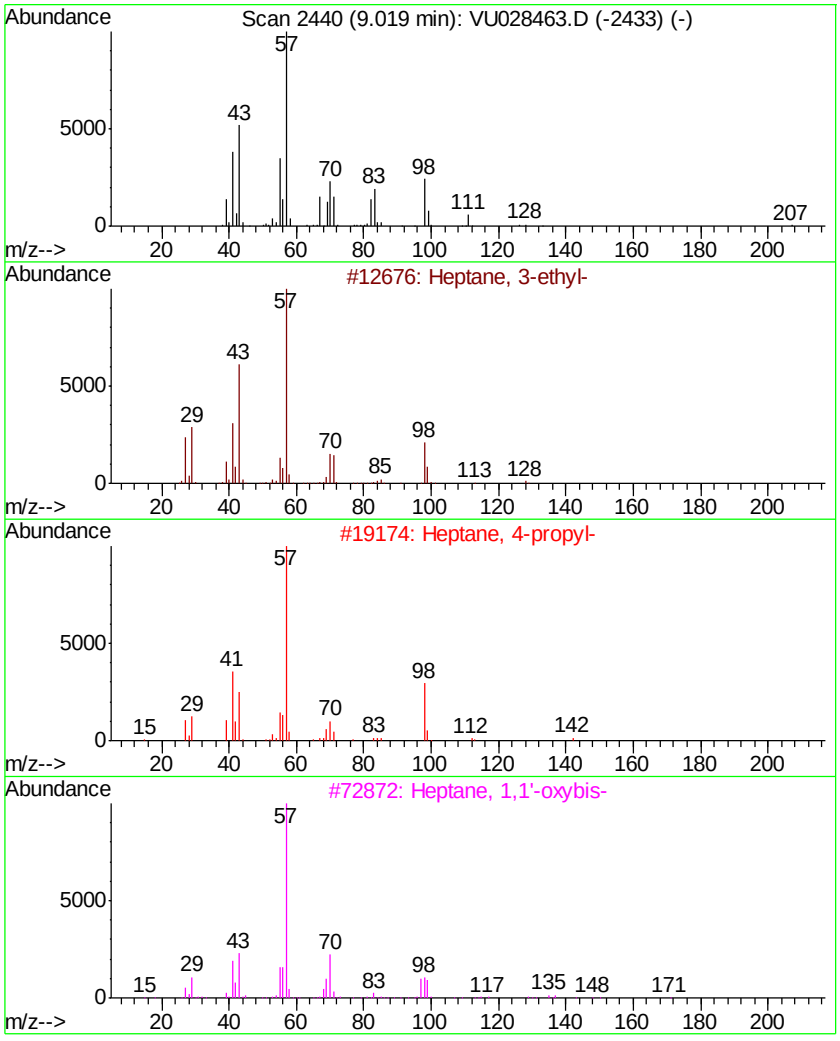
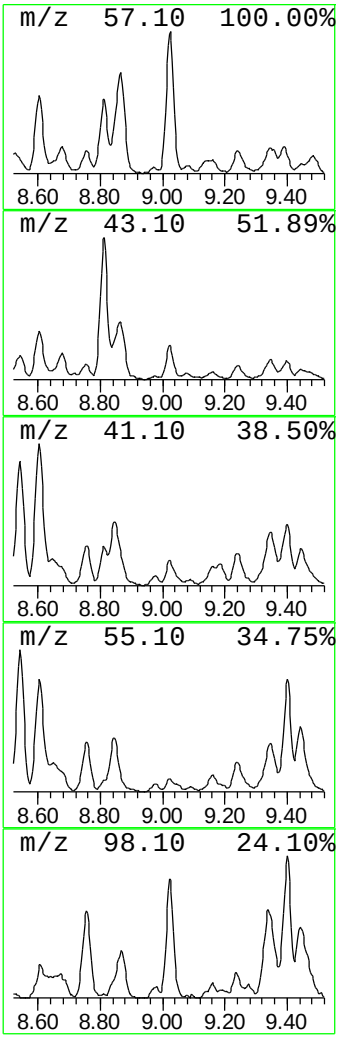
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	9.00 ug/L	338824	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, 1,1'-oxybis-	214	C14H30O	000629-64-1	43
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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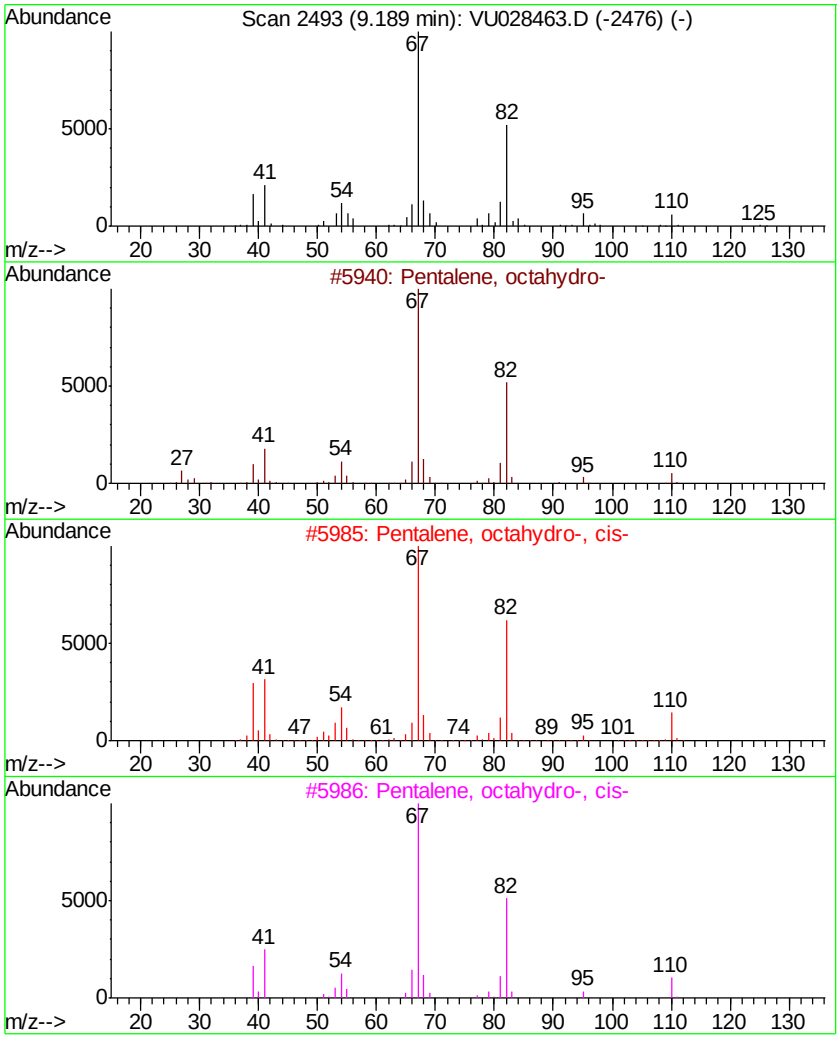
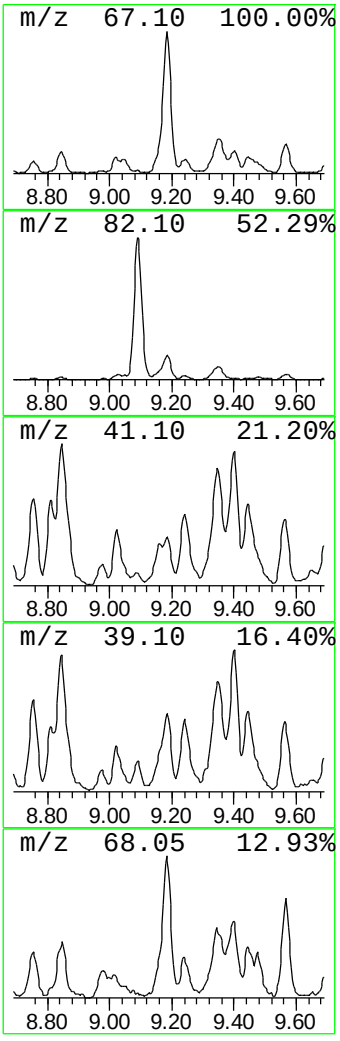
Peak Number 27 Pentalene, octahydro- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	16.37 ug/L	616294	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	91
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	87
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	87
4	4-Methyl-2-pentyne	82	C6H10	021020-27-9	86
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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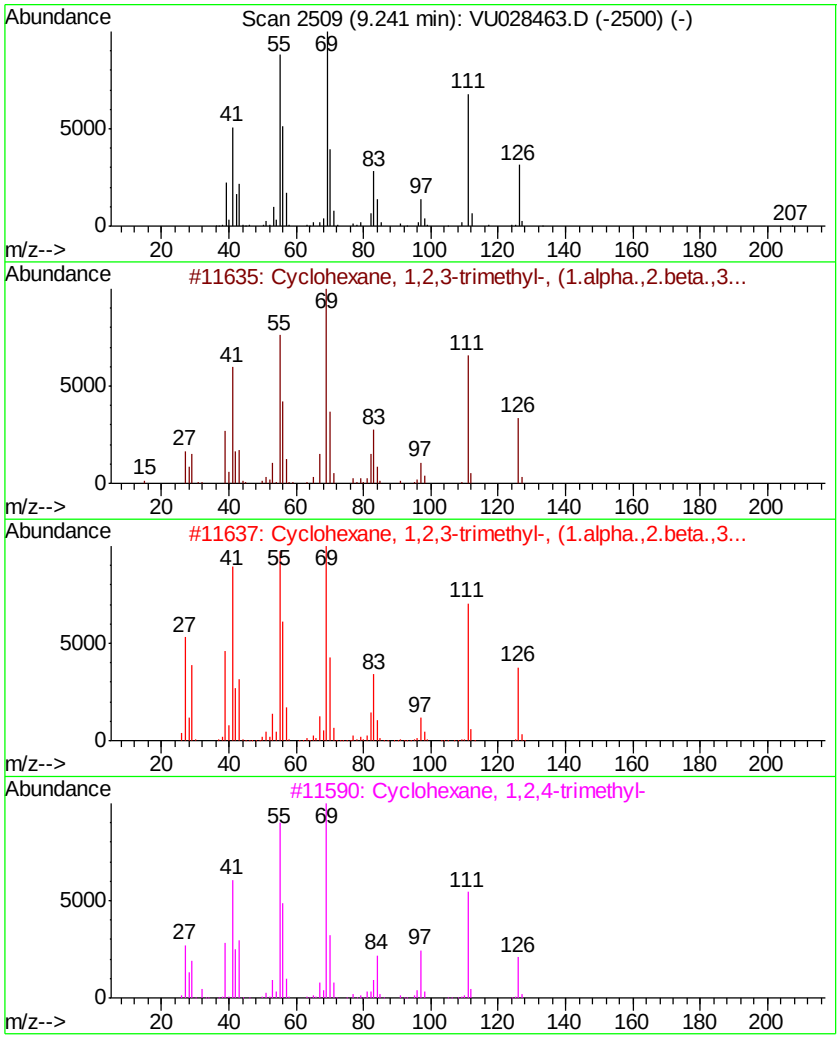
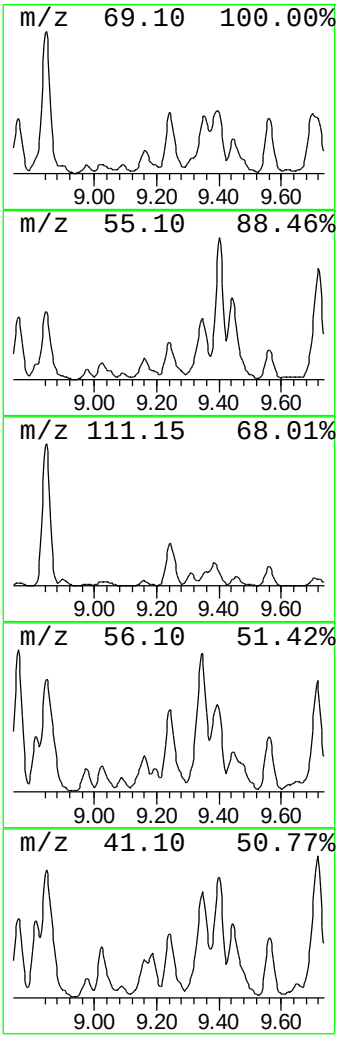
Peak Number 28 (DEL) Alkane: Cyclic9.24 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	15.83 ug/L	595900	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	76
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

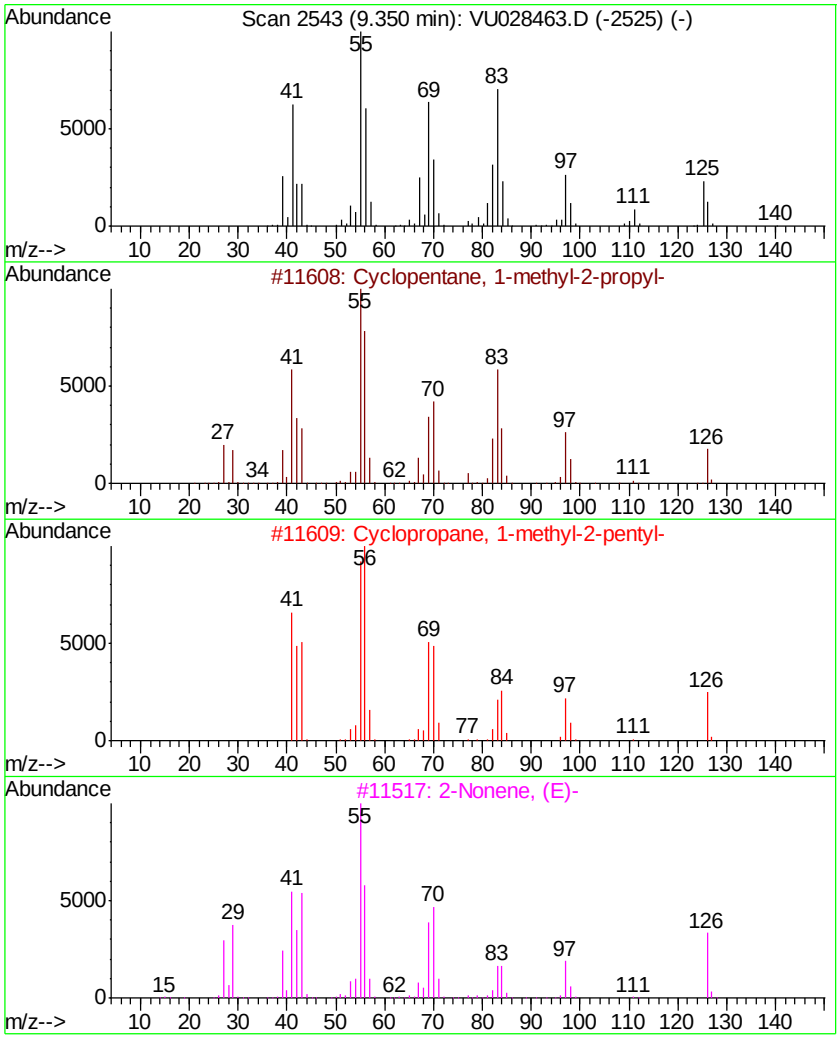
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

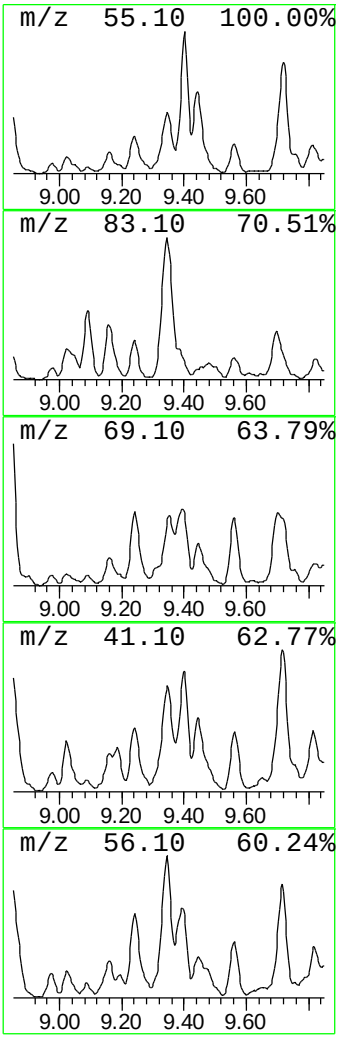
****

Peak Number 29 (DEL) Alkane: Cyclic9.35 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	28.58 ug/L	1076070	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	95
2	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	49
3	2-Nonene, (E)-	126	C9H18	006434-78-2	46
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

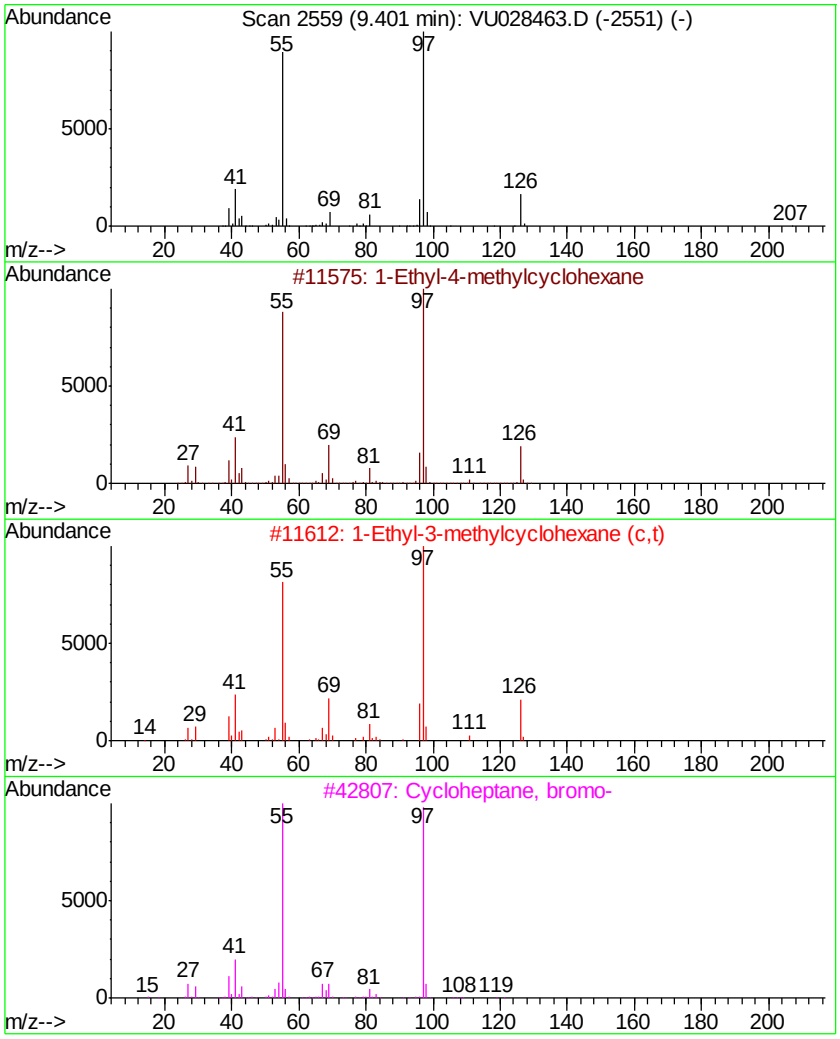
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

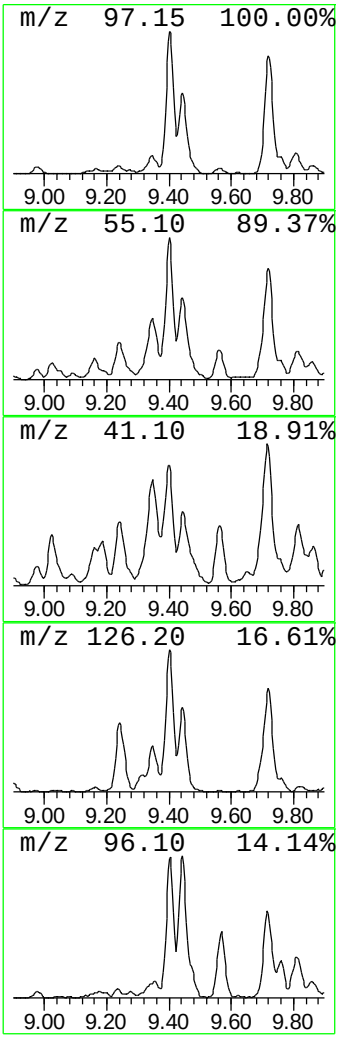
****

Peak Number 30 (DEL) Alkane: Cyclic9.40 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	29.49 ug/L	1110170	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
3	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	72
4	4-Octen-3-one	126	C8H14O	014129-48-7	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

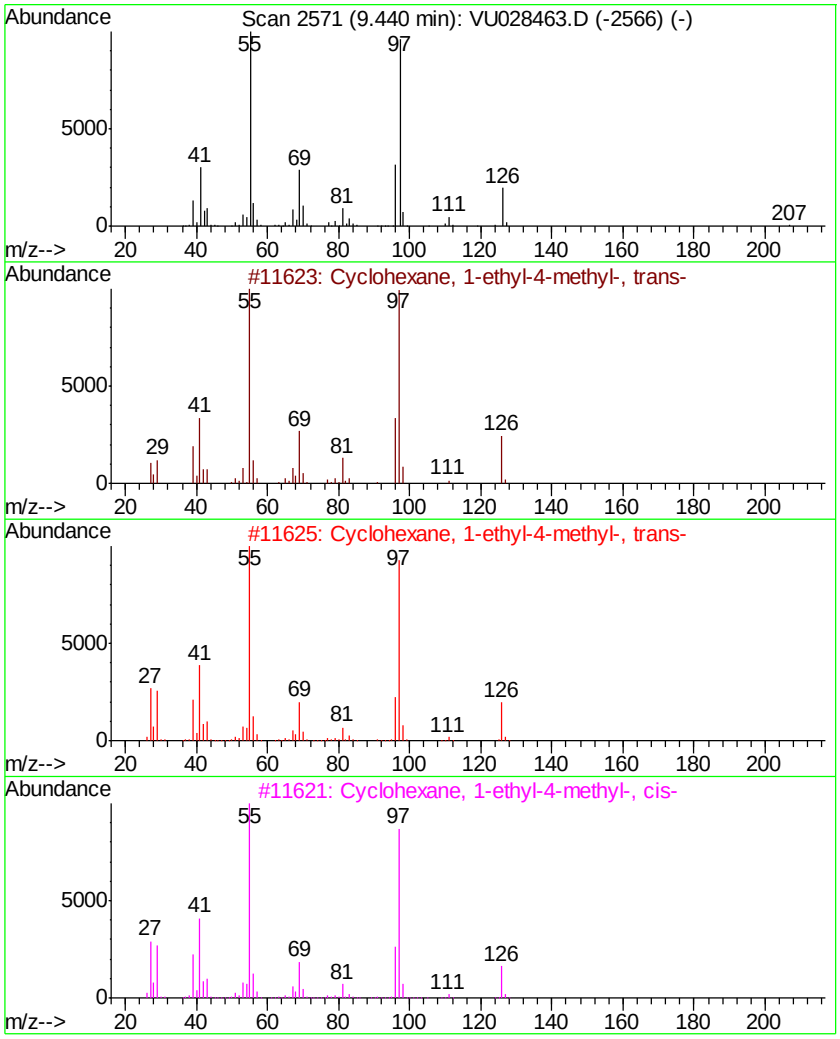
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

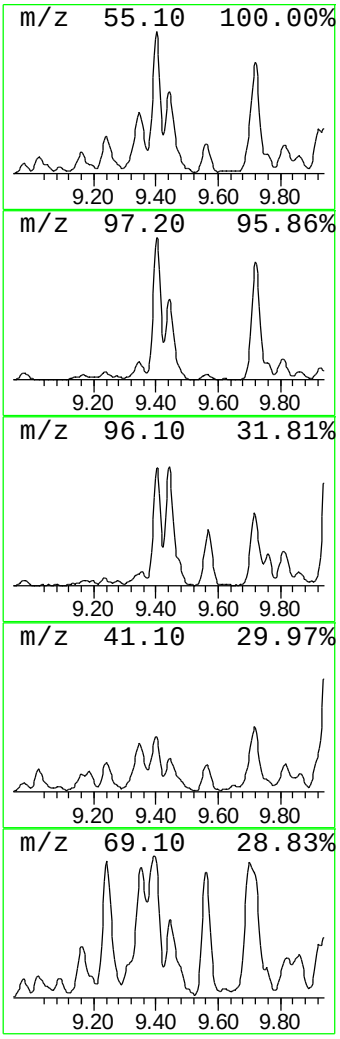
****

Peak Number 31 (DEL) Alkane: Cyclic9.44 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	22.75 ug/L	856574	Chlorobenzene-d5	9.09

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

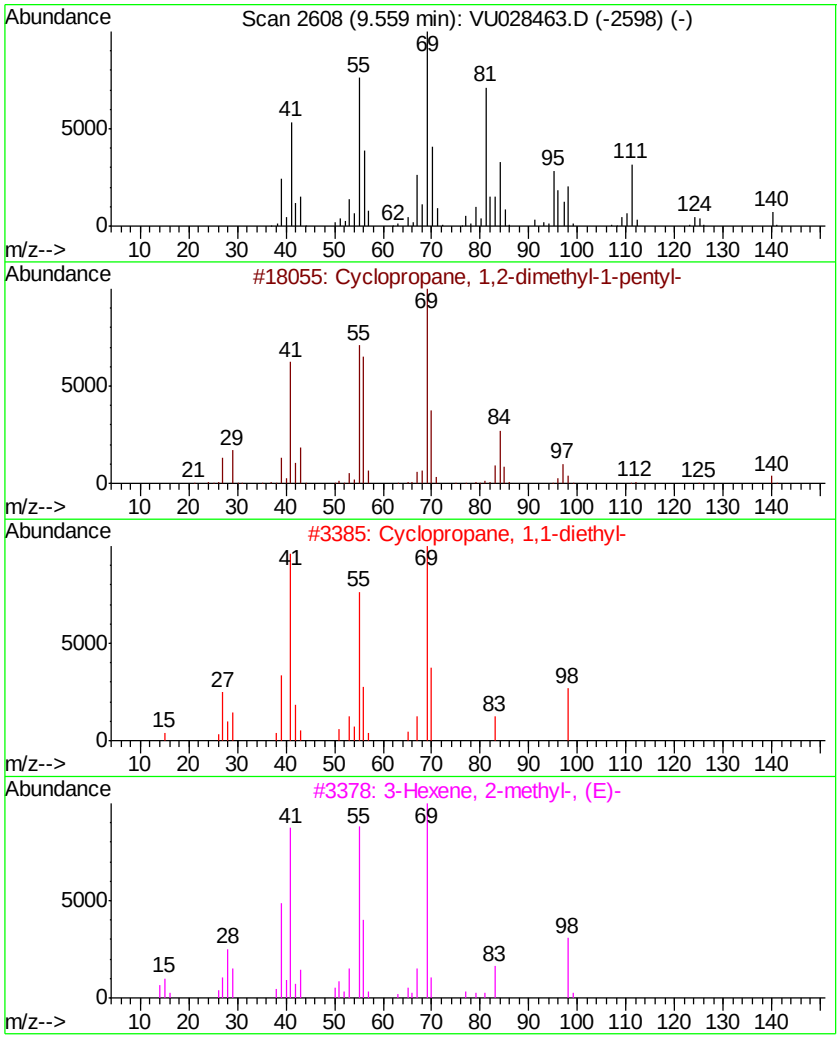
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

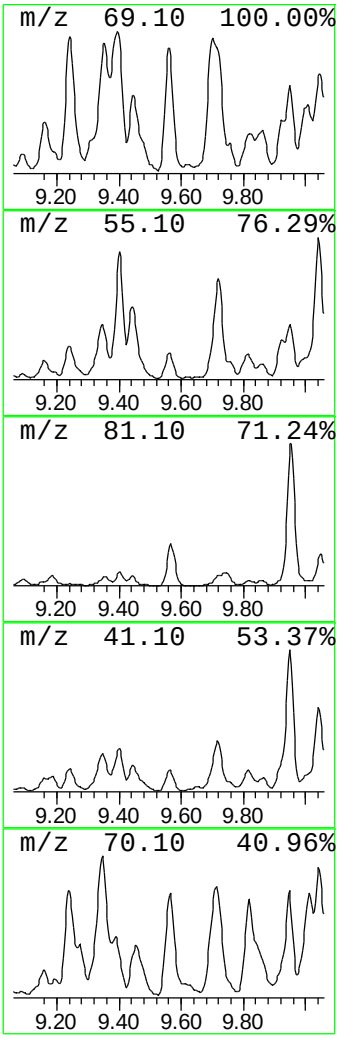
****

Peak Number 32 (DEL) Alkane: Cyclic9.56 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	16.04 ug/L	603813	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	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	41
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38
4	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	38
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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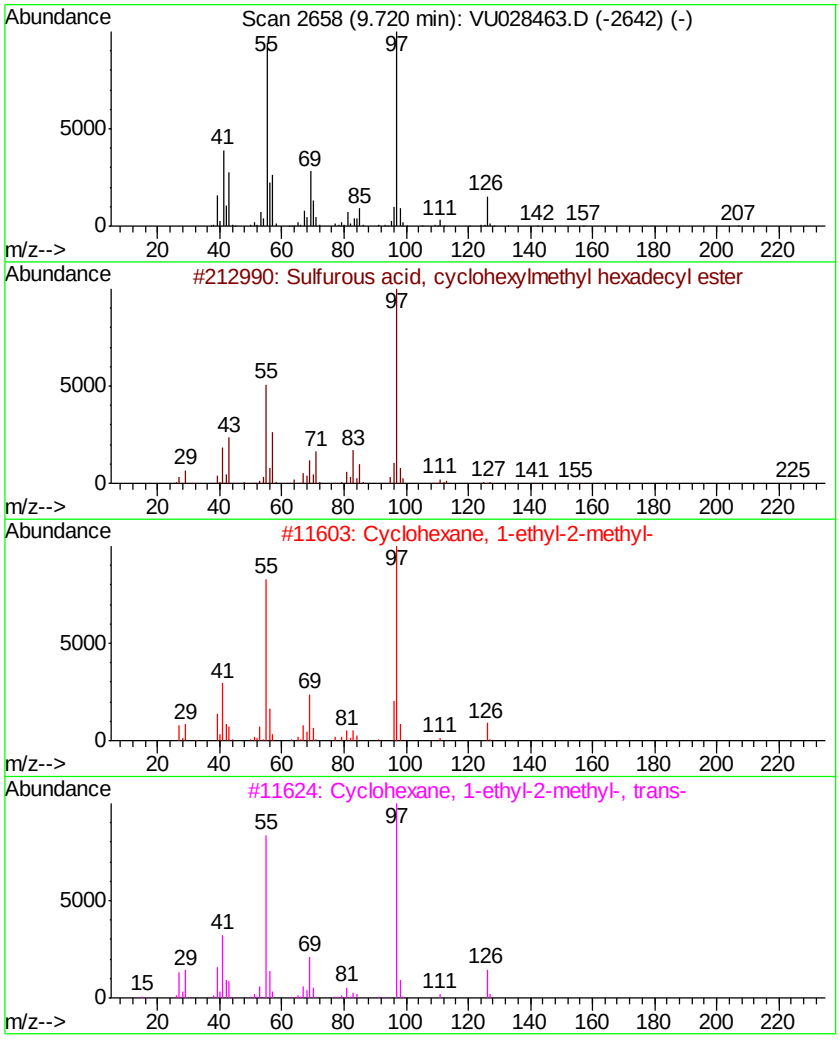
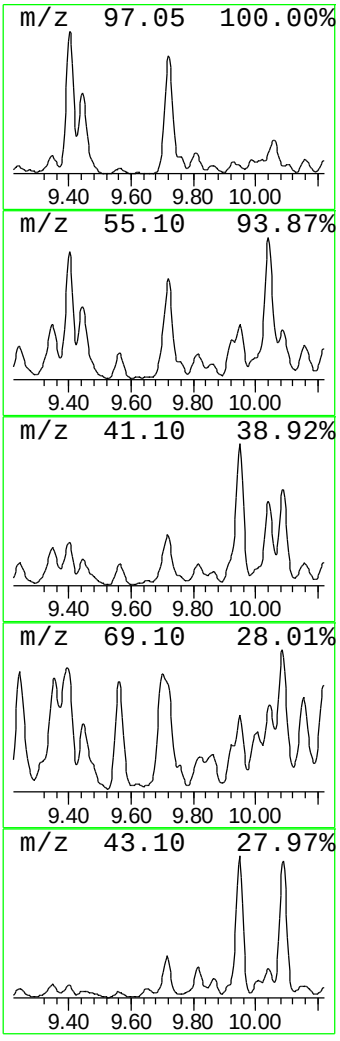
Peak Number 33 Sulfurous acid, cyclohexylm... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	38.42 ug/L	1446380	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	80
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	74
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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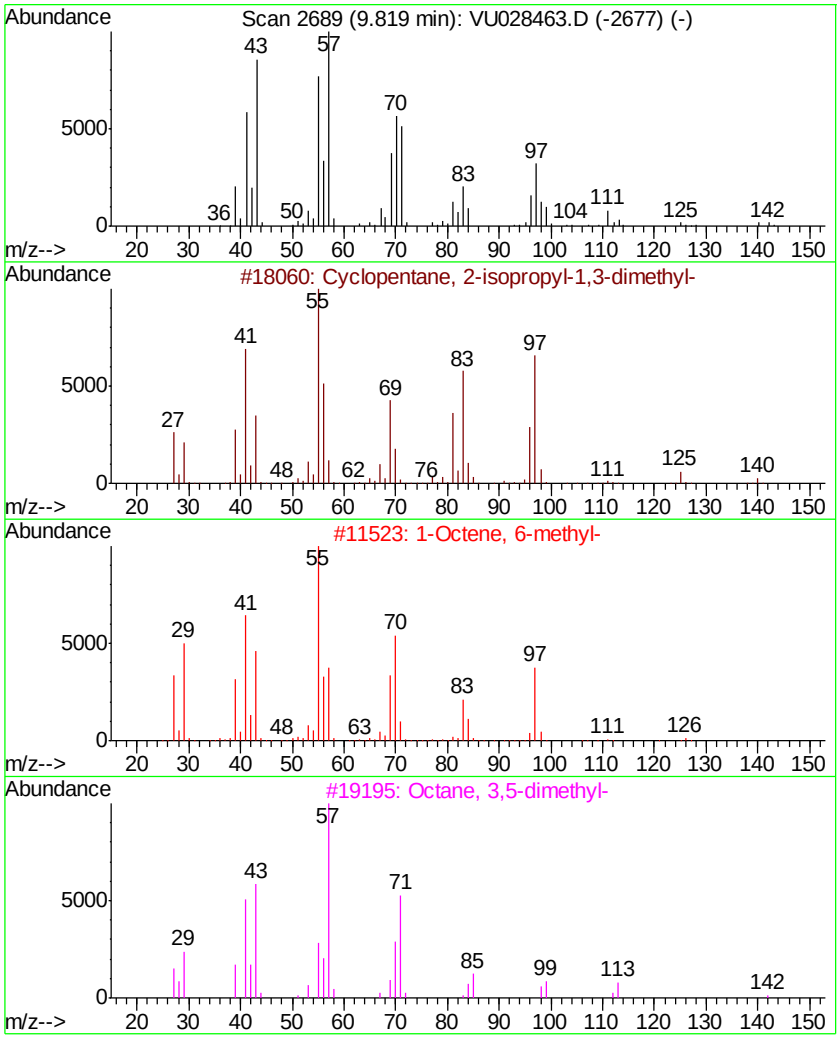
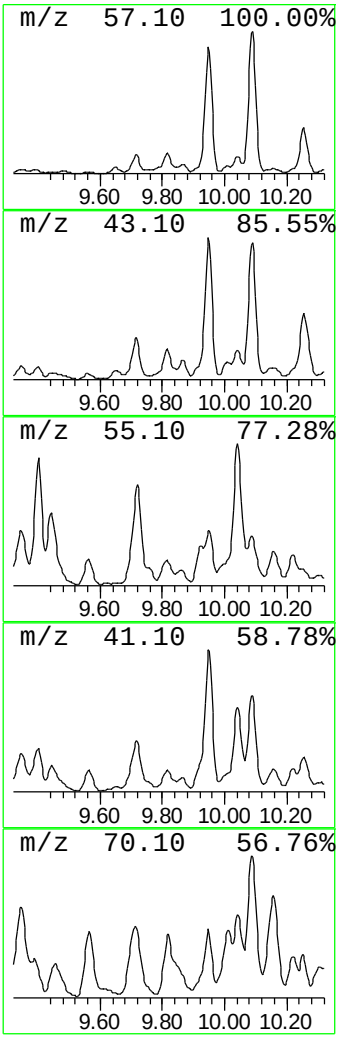
Peak Number 34 (DEL) Alkane: Cyclic9.82 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	10.90 ug/L	410311	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	43
2	1-Octene, 6-methyl-	126	C9H18	013151-10-5	43
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	35
5	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

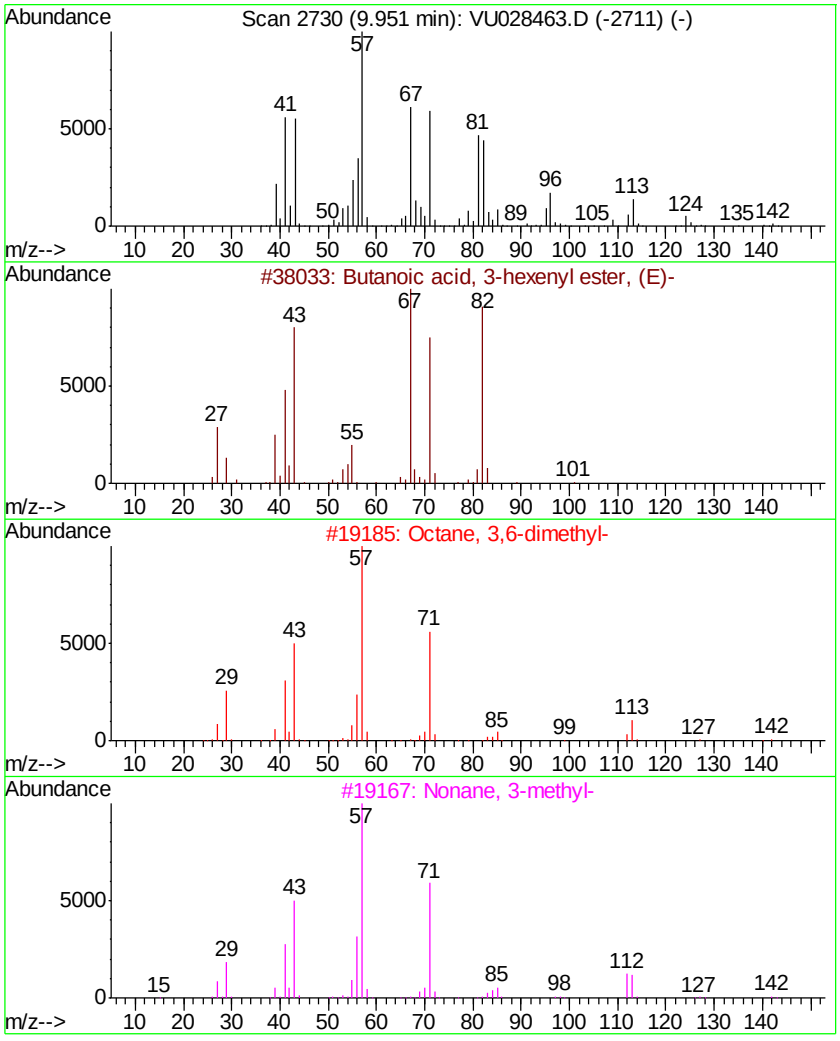
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

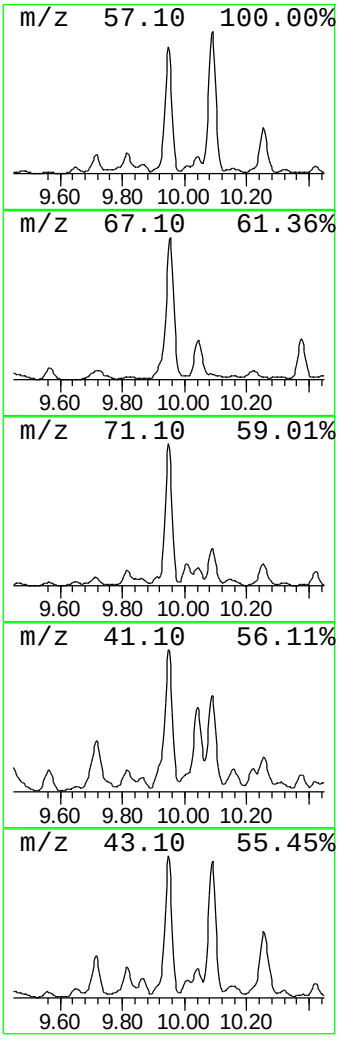
****

Peak Number 35 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	87.70 ug/L	3301570	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	47
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

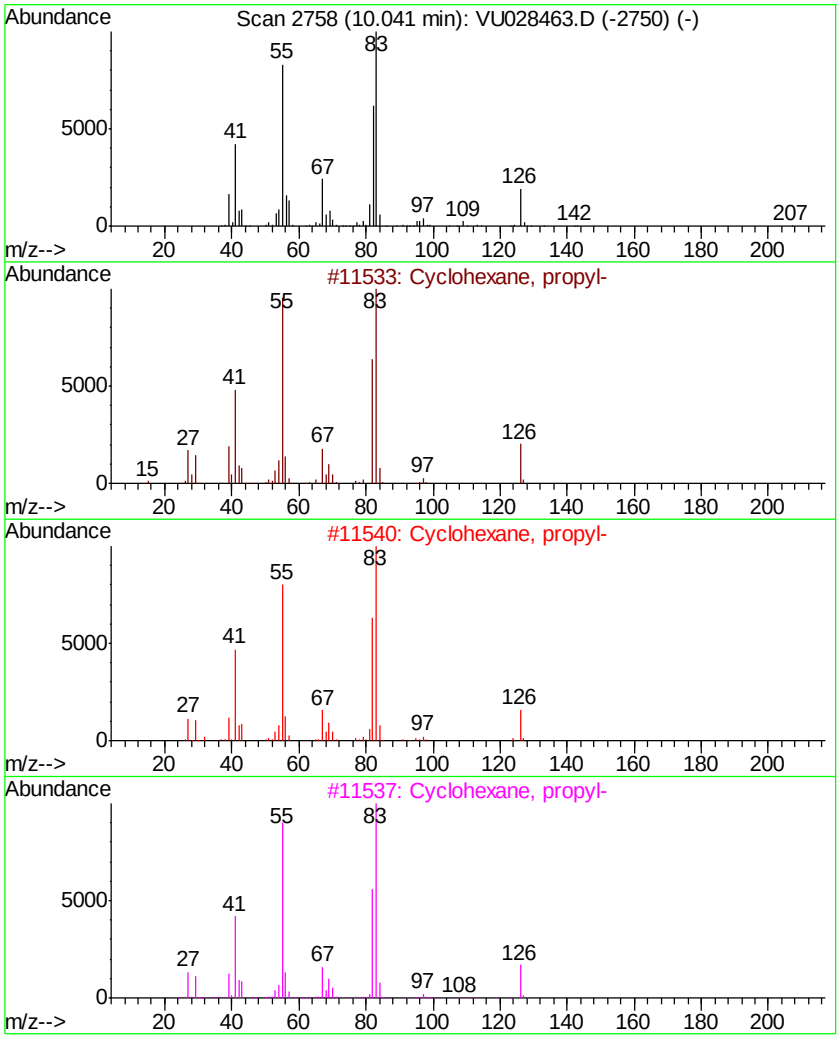
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

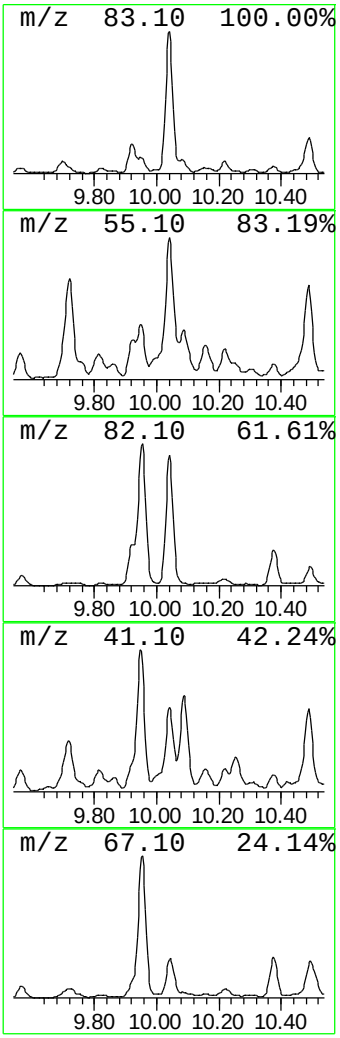
****

Peak Number 36 (DEL) Alkane: Cyclic10.04 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	31.69 ug/L	1193080	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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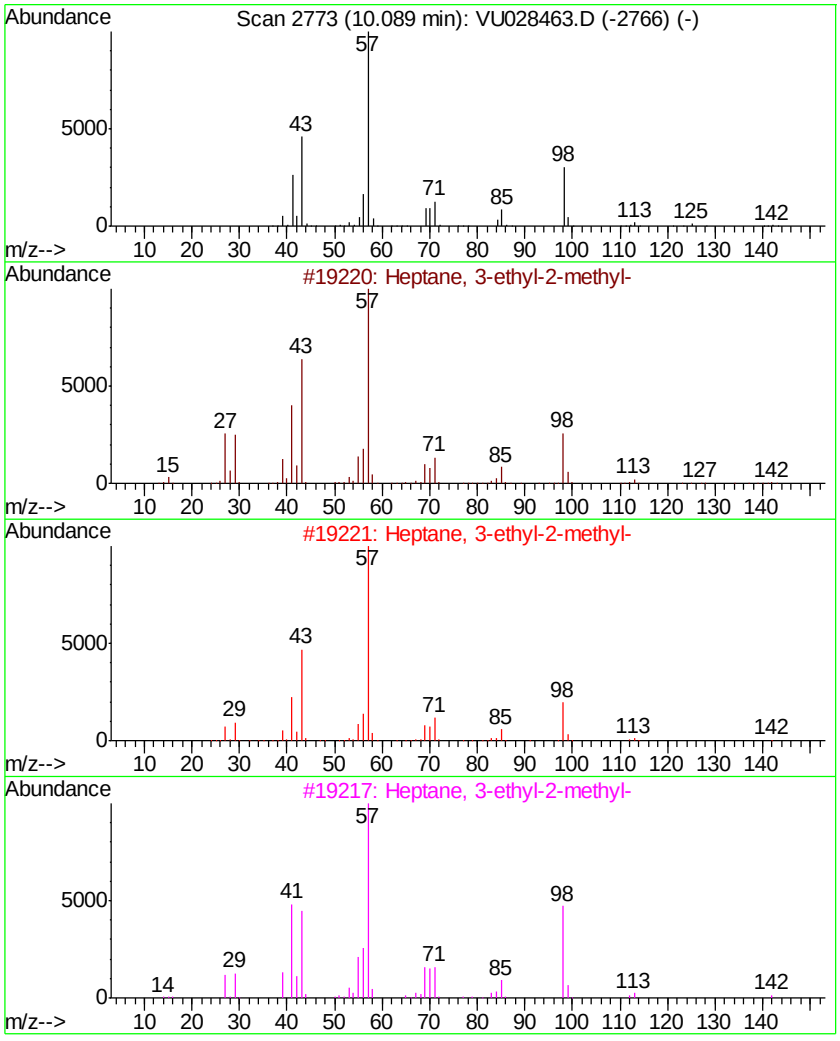
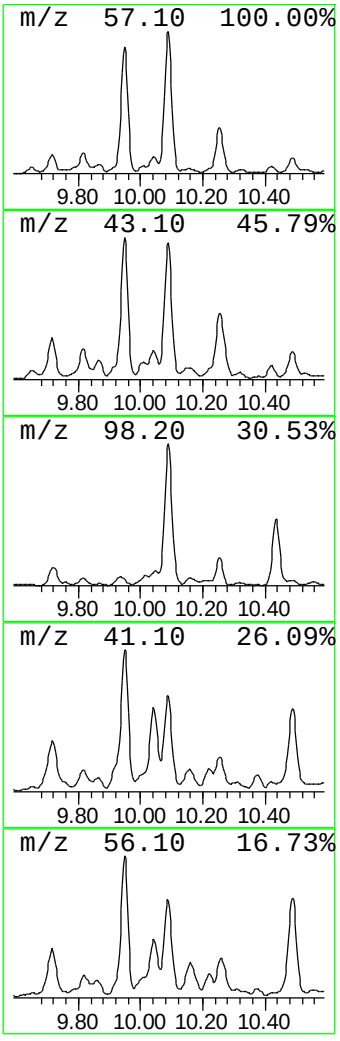
Peak Number 37 (DEL) Alkane: Cyclic10.09 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	44.08 ug/L	1659350	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	83
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	56
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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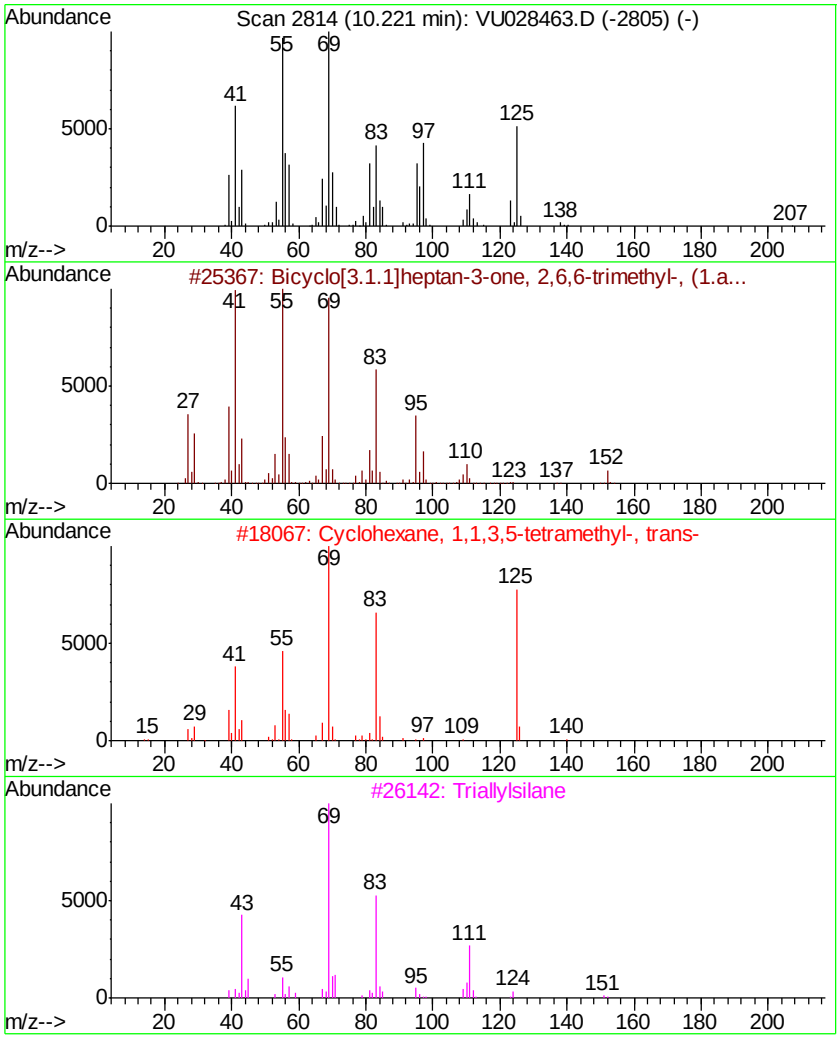
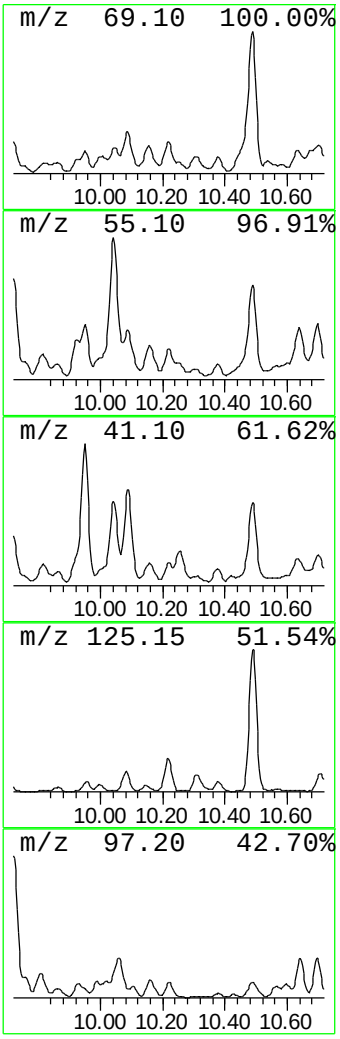
Peak Number 38 unknown-02 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	9.32 ug/L	350980	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	43
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
3	Triallylsilane	152	C9H16Si	001116-62-7	38
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
5	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

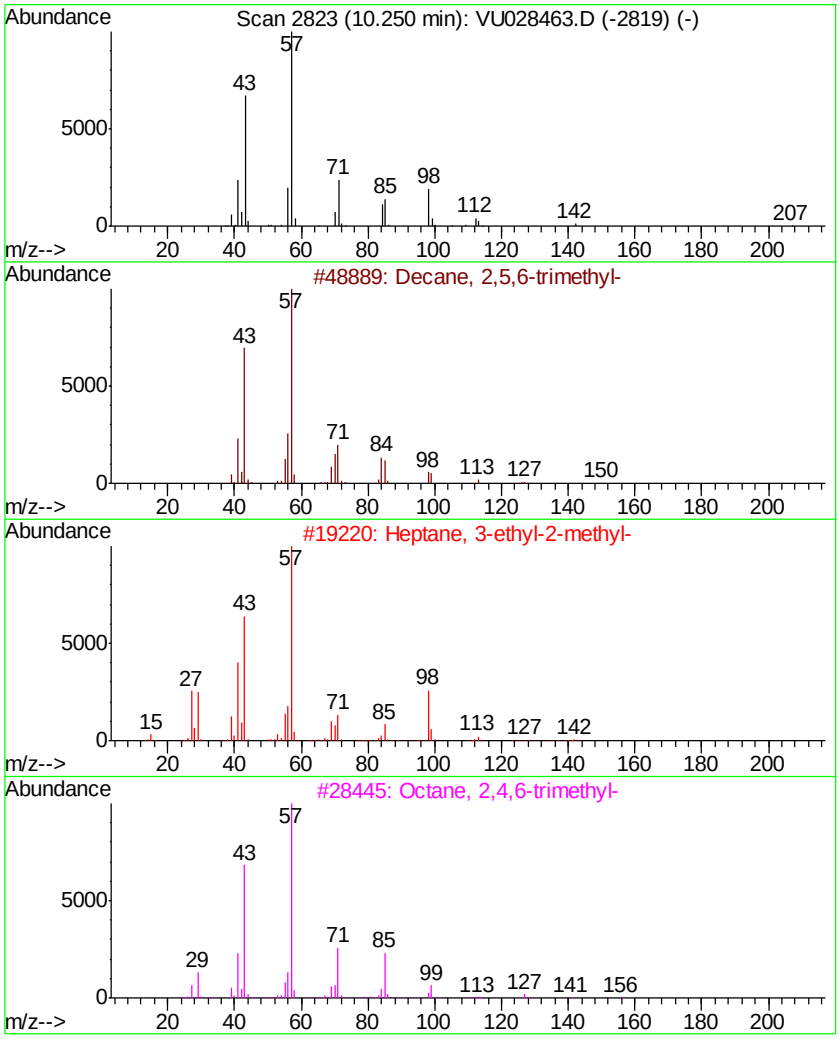
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

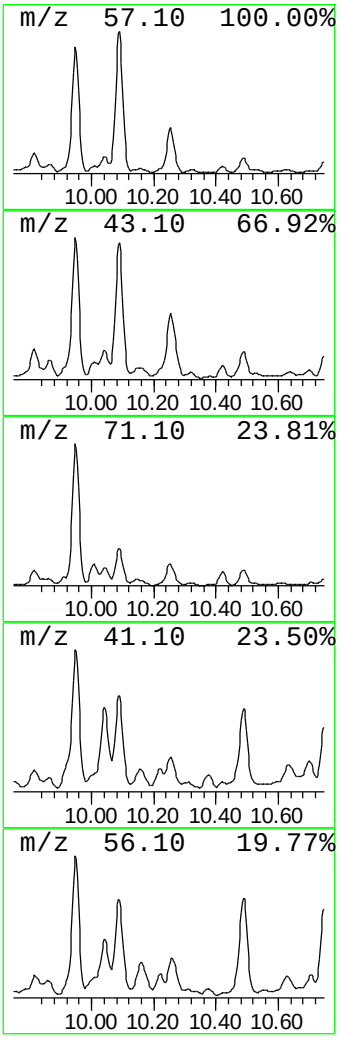
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	13.19 ug/L	496395	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47
4	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46
5	Decane	142	C10H22	000124-18-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

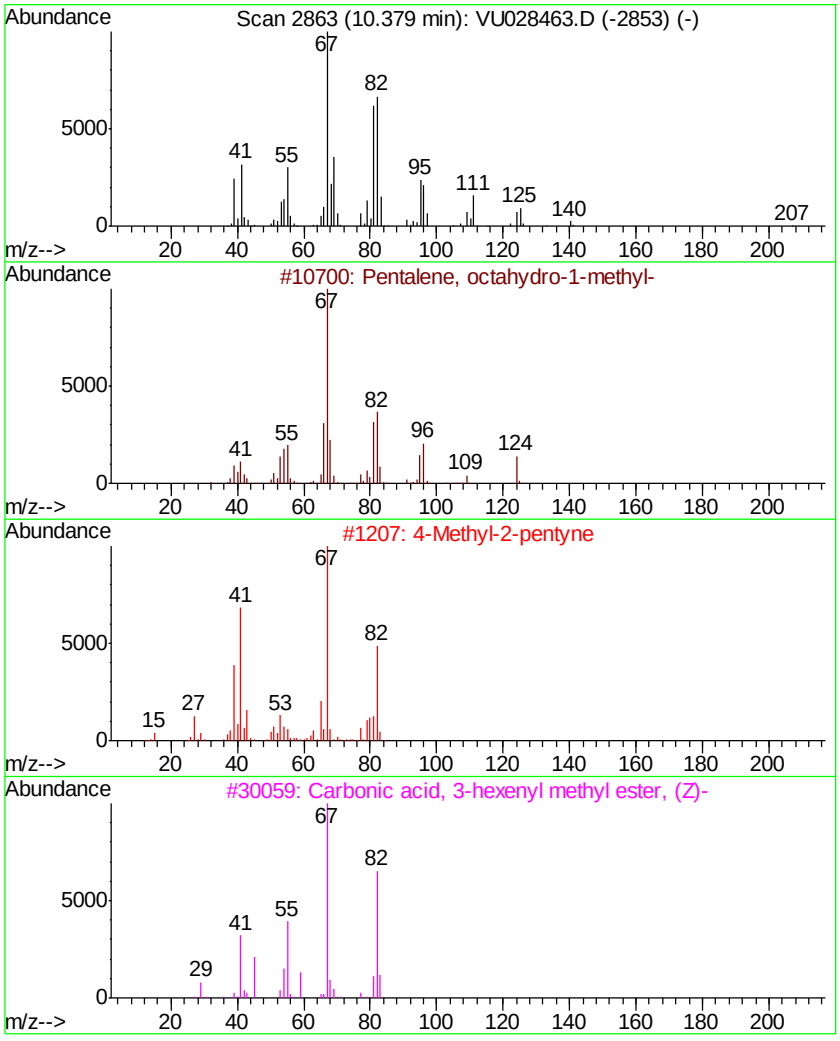
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

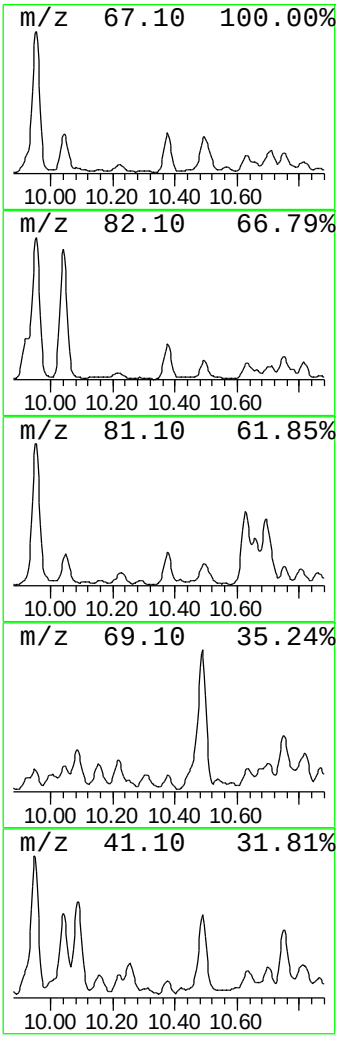
****

Peak Number 40 Pentalene, octahydro-1-methyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	10.62 ug/L	395476	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	64
2	4-Methyl-2-pentyne	82	C6H10	021020-27-9	49
3	Carbonic acid, 3-hexenyl methyl ...	158	C8H14O3	067633-96-9	47
4	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	47
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

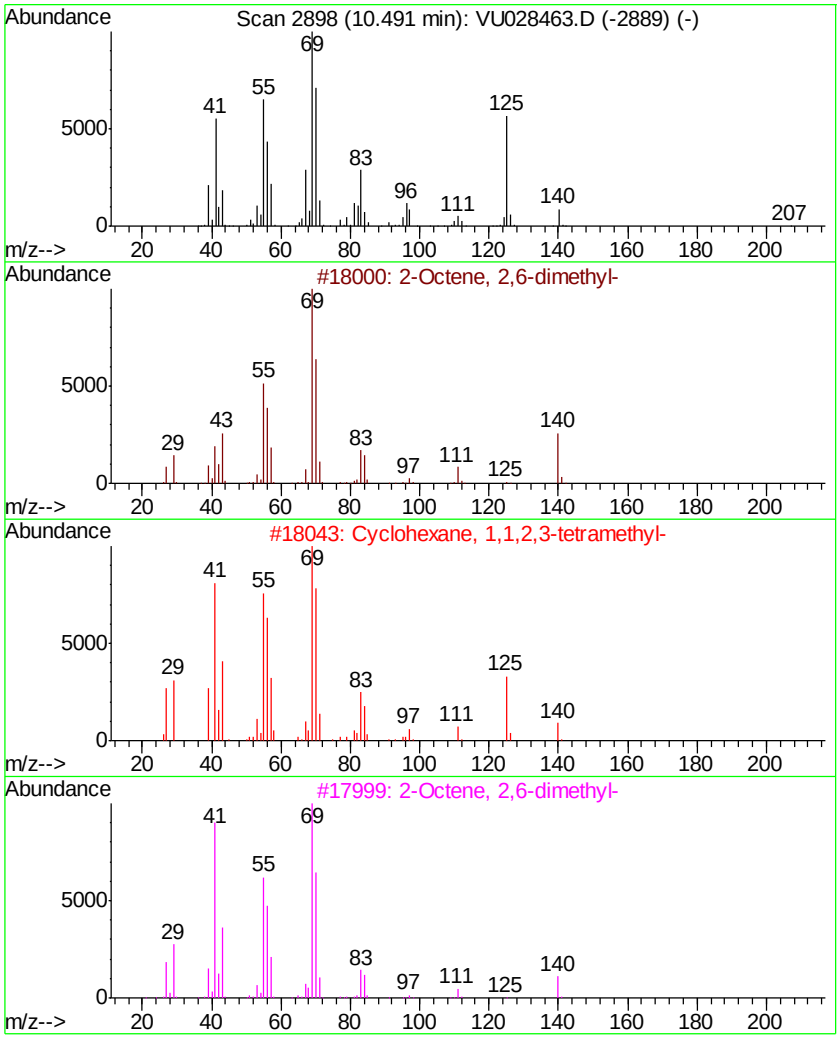
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

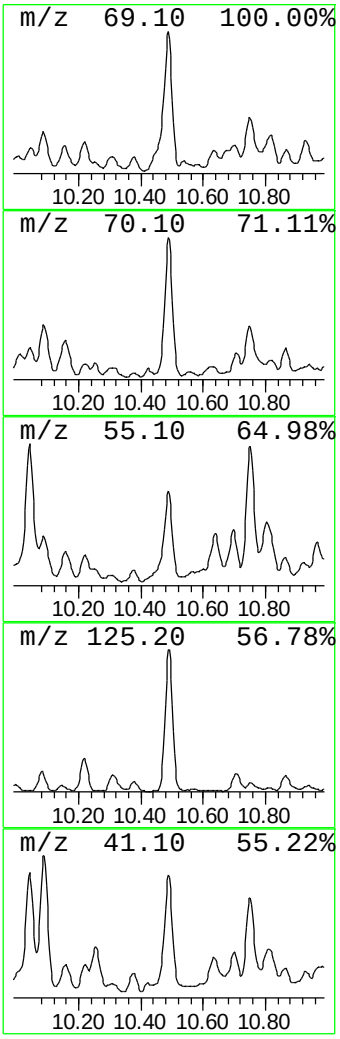
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	49.14 ug/L	1829690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
4	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	58
5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

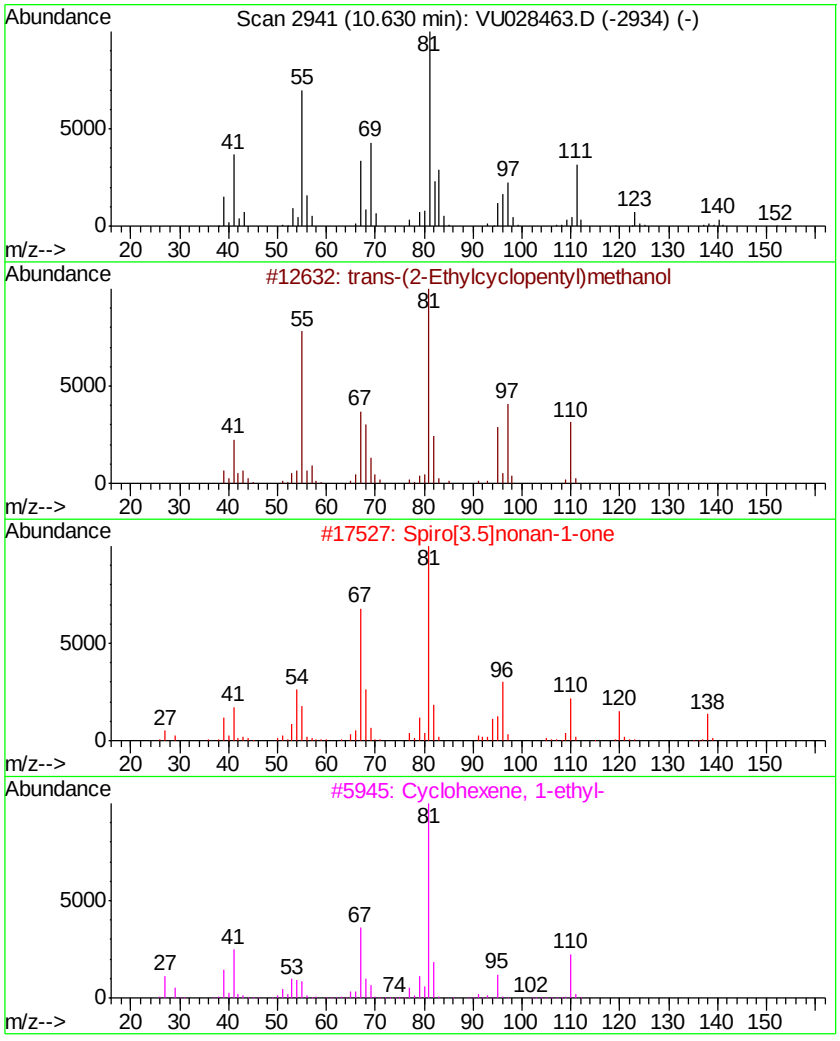
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

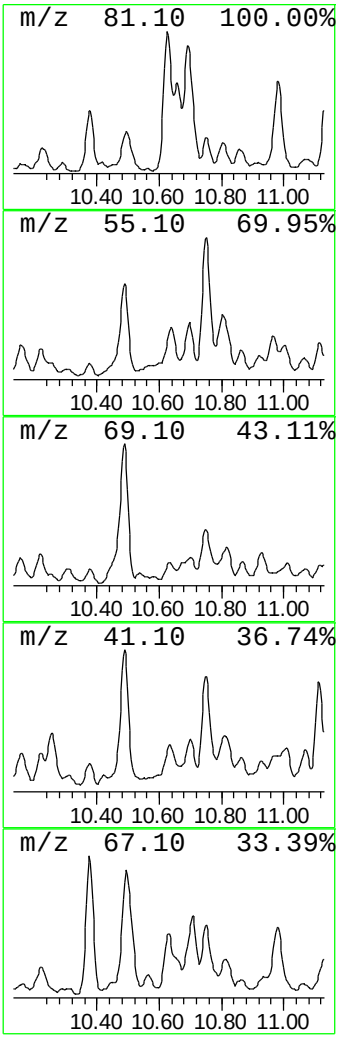
****

Peak Number 42 unknown-03 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	18.39 ug/L	684625	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-(2-Ethylcyclopentyl)methanol	128	C8H16O	036258-08-9	42
2	Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	37
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	35
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	35
5	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

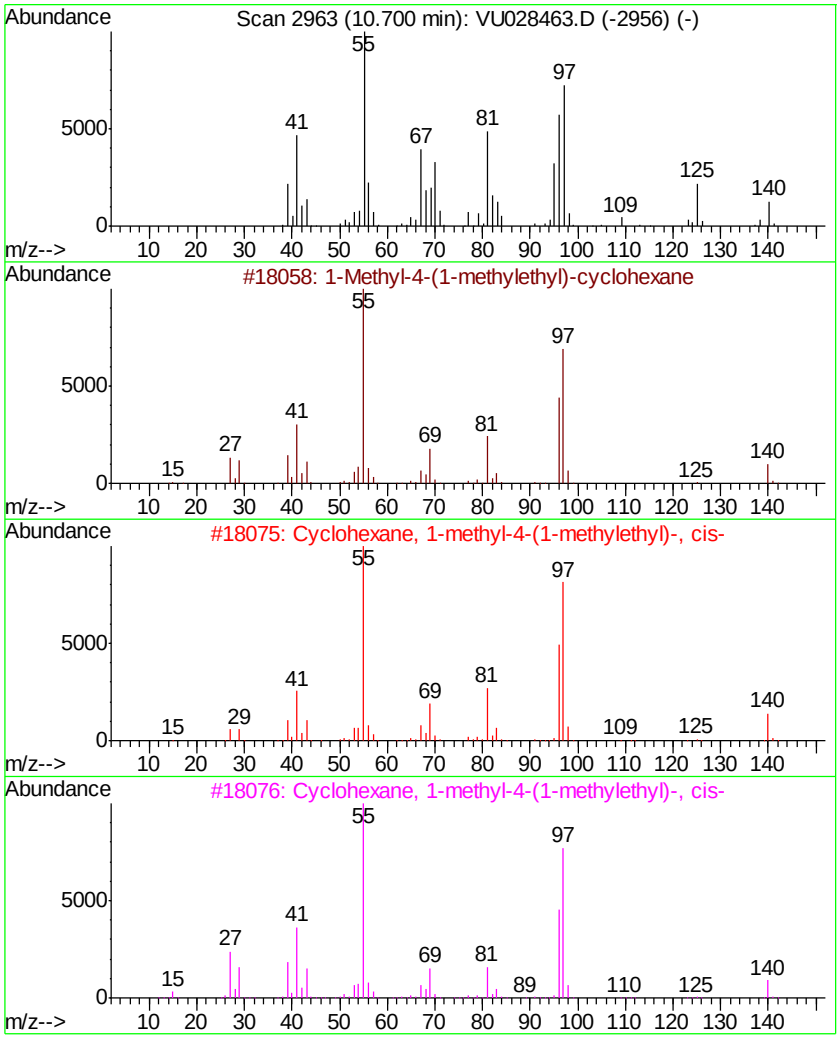
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

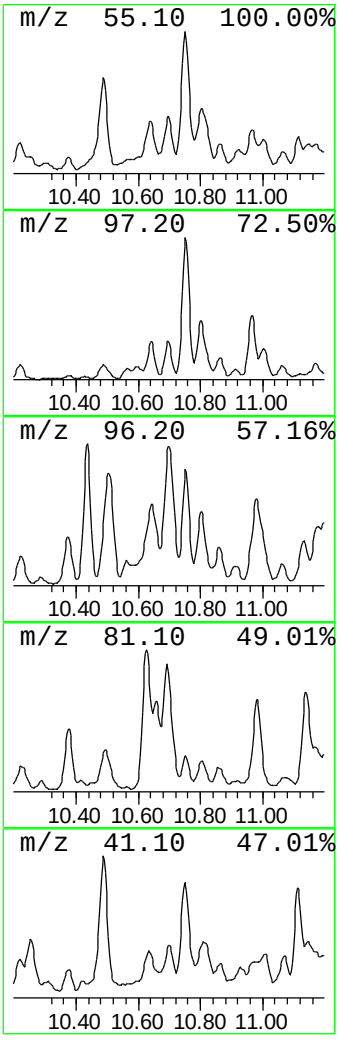
****

Peak Number 43 (DEL) Alkane: Cyclic10.70 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	17.31 ug/L	644585	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	45
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	45
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
5	Spiro[4.5]decane	138	C10H18	000176-63-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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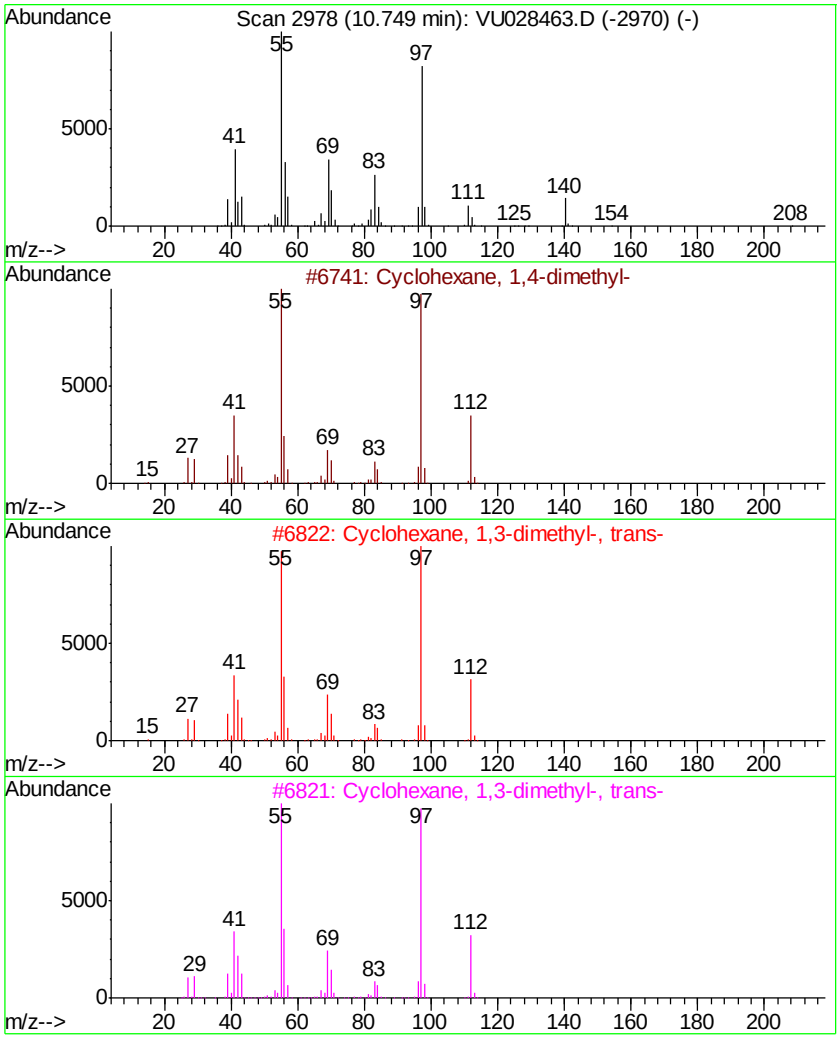
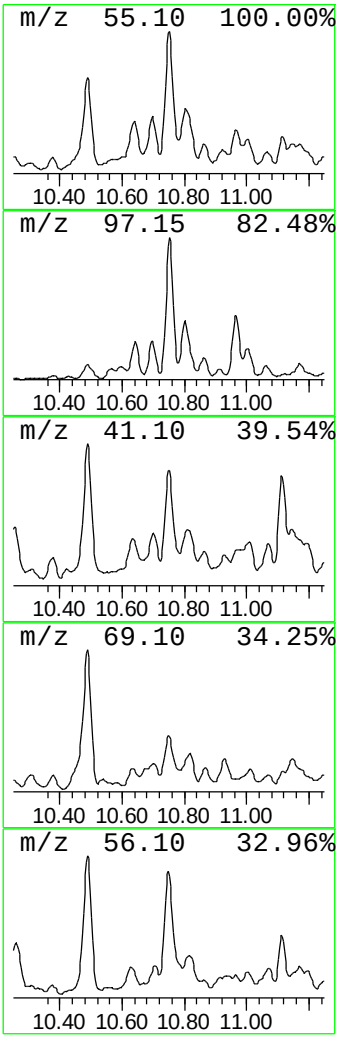
Peak Number 44 (DEL) Alkane: Cyclic10.75 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	39.66 ug/L	1476850	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	81
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	76
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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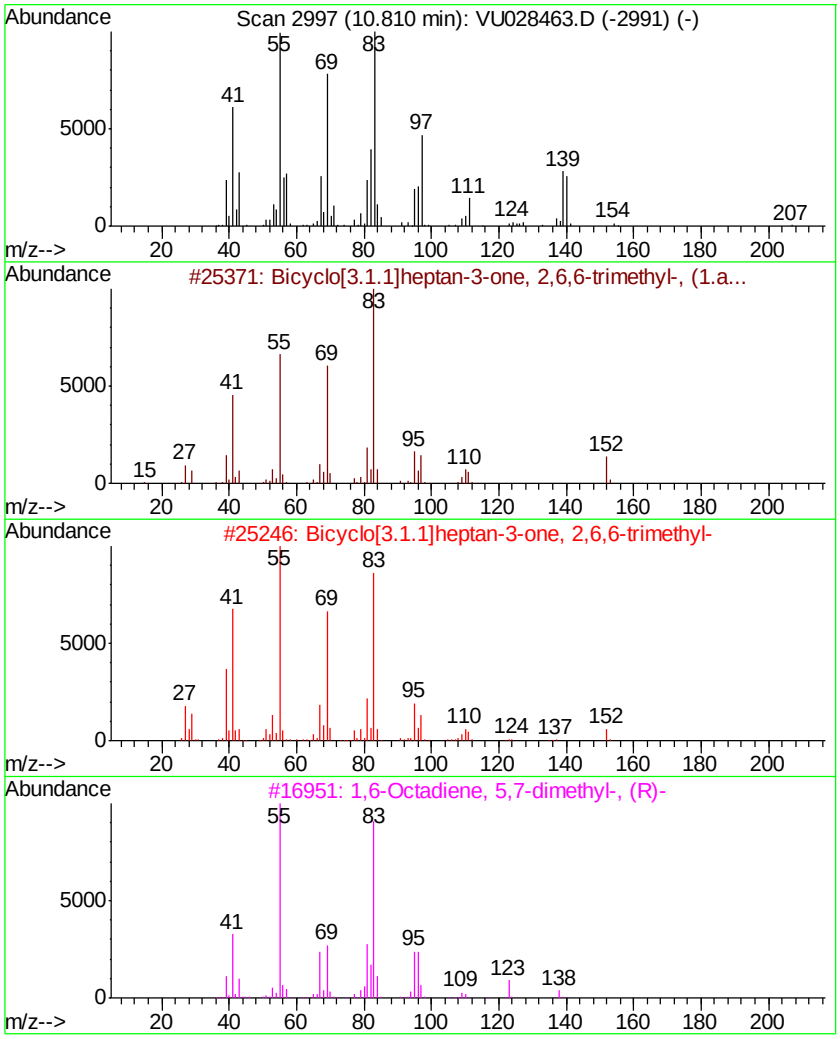
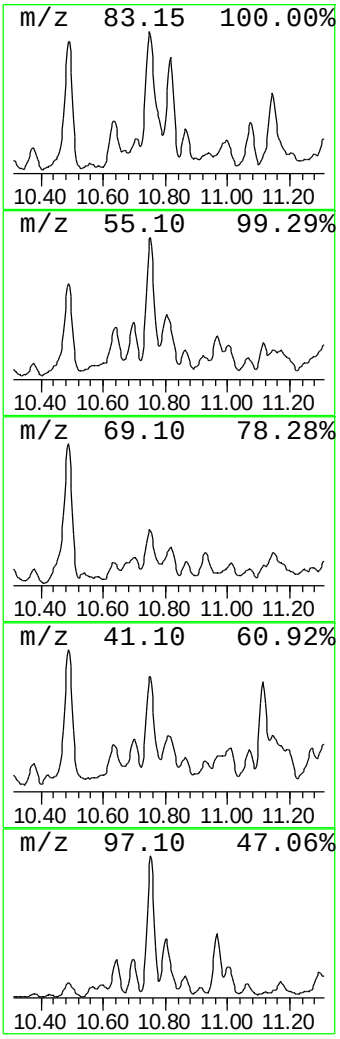
Peak Number 45 unknown-04 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	18.61 ug/L	692924	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	47
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	018358-53-7	47
3	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	38
4	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	38
5	Oxalic acid, 1-menthyl octadecyl...	480	C30H56O4	1000314-98-5	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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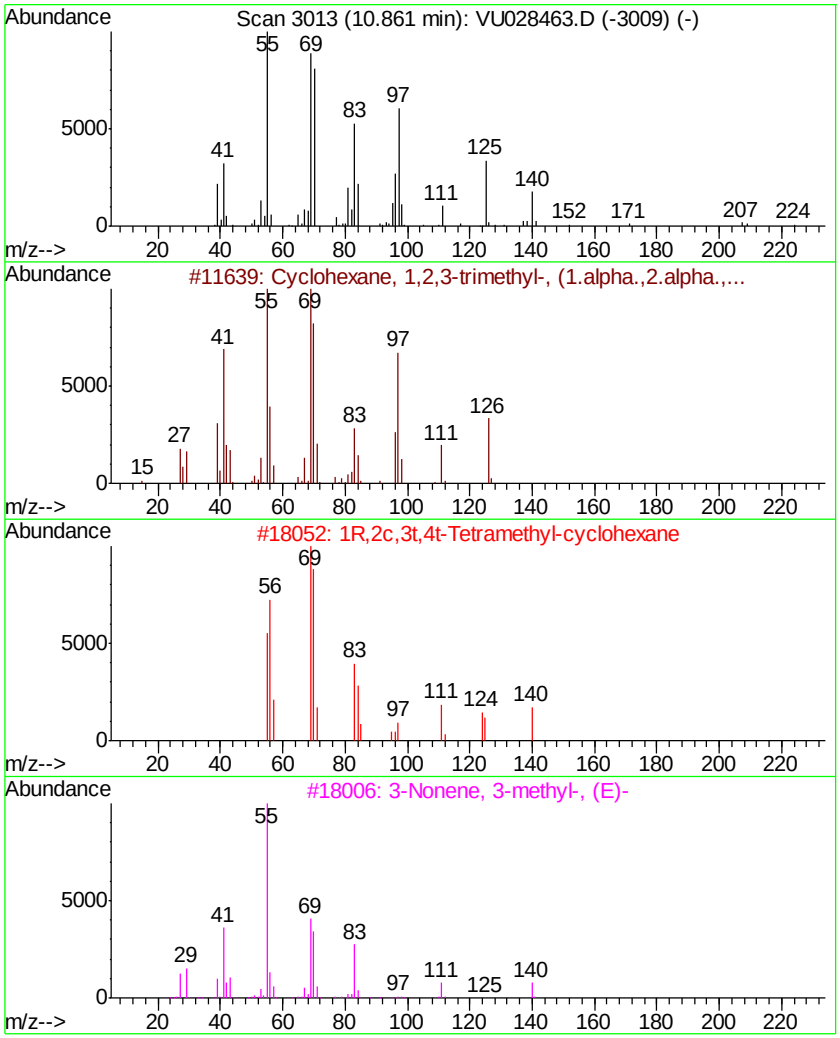
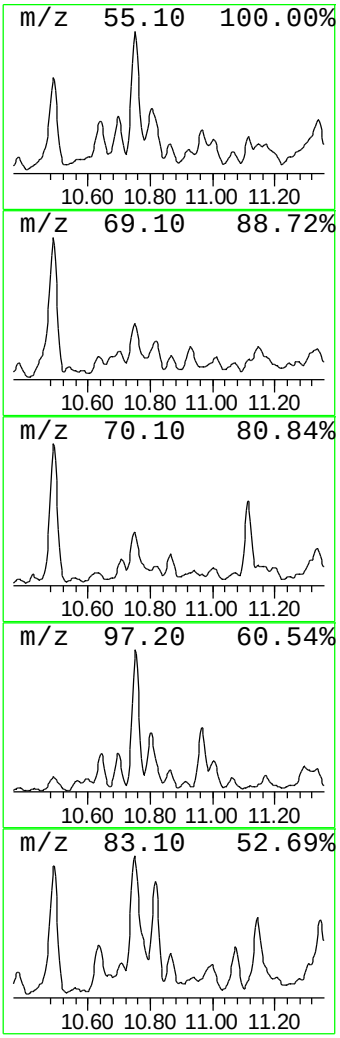
Peak Number 46 (DEL) Alkane: Cyclic10.86 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	5.27 ug/L	196344	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	72
2	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	53
3	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	53
4	Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	47
5	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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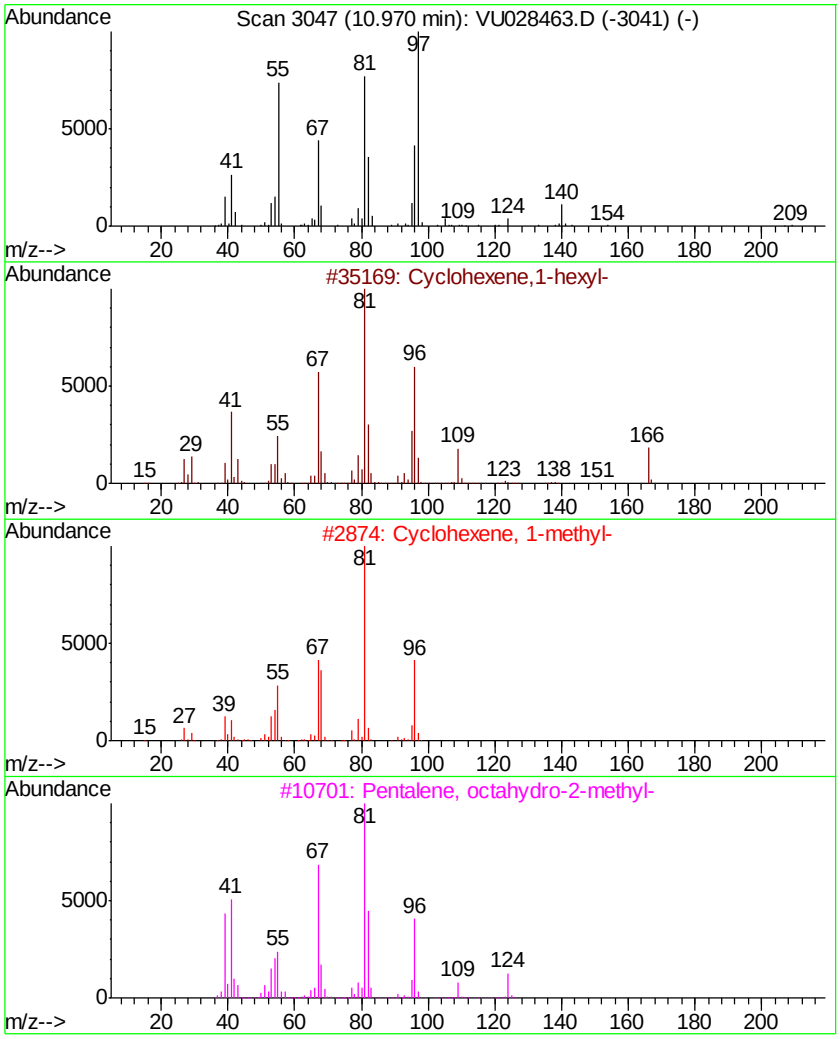
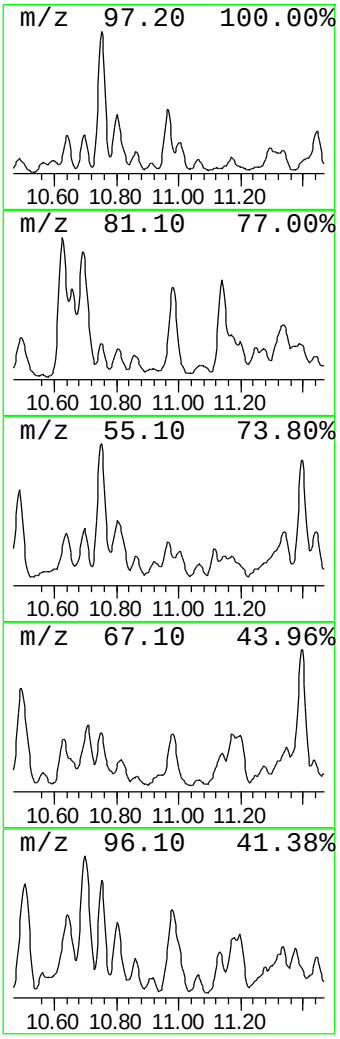
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	7.33 ug/L	272777	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	64
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	64
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	62
4	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1000193-87-2	53
5	Cyclohexanepropanol-	142	C9H18O	001124-63-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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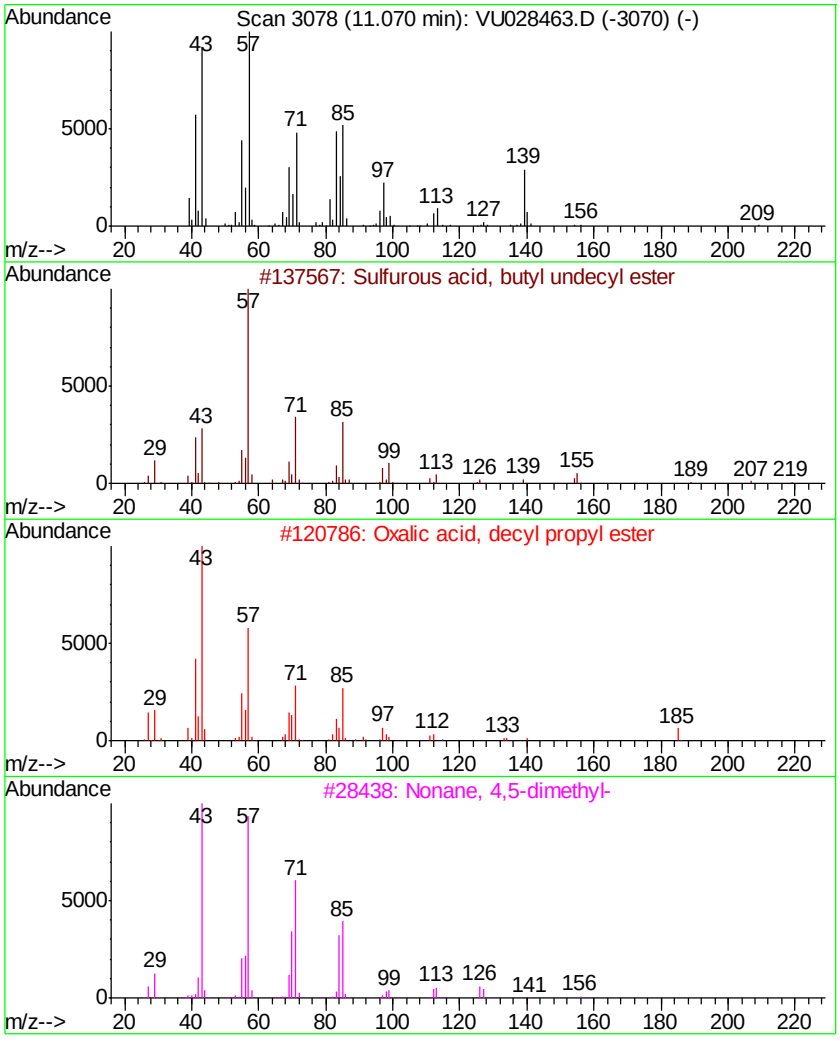
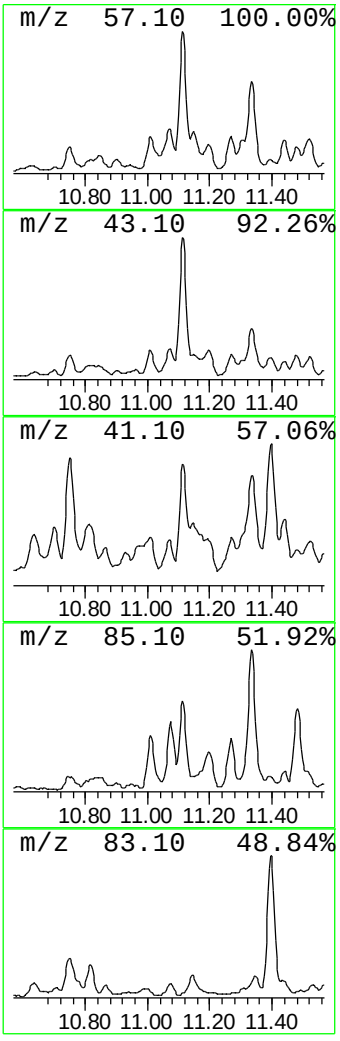
Peak Number 48 unknown-05 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	7.24 ug/L	269477	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	47
2	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	47
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	43
4	Tridecane, 5-methyl-	198	C14H30	025117-31-1	43
5	Octane, 2-methyl-	128	C9H20	003221-61-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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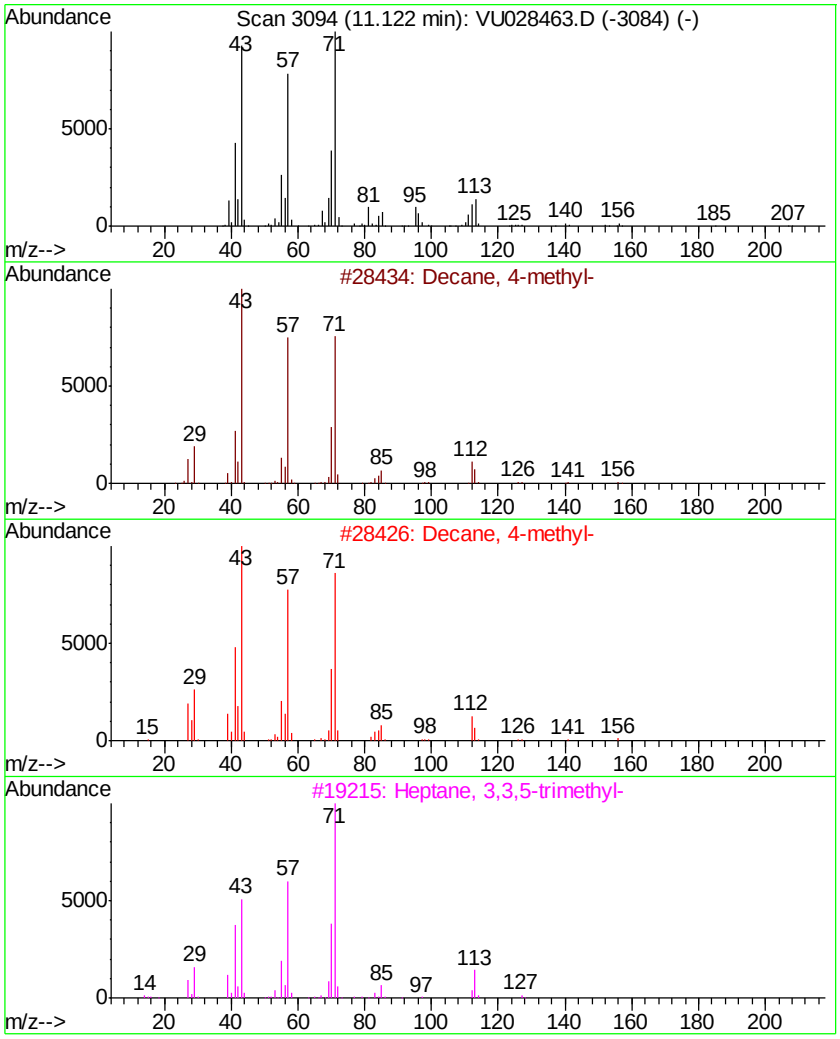
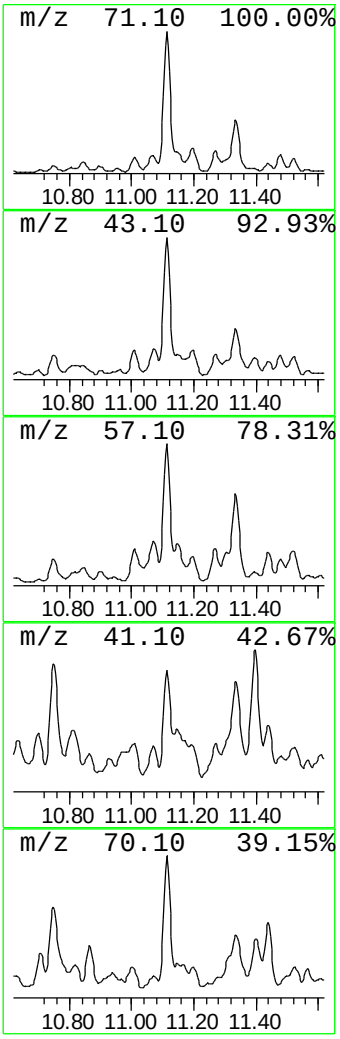
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	28.36 ug/L	1055900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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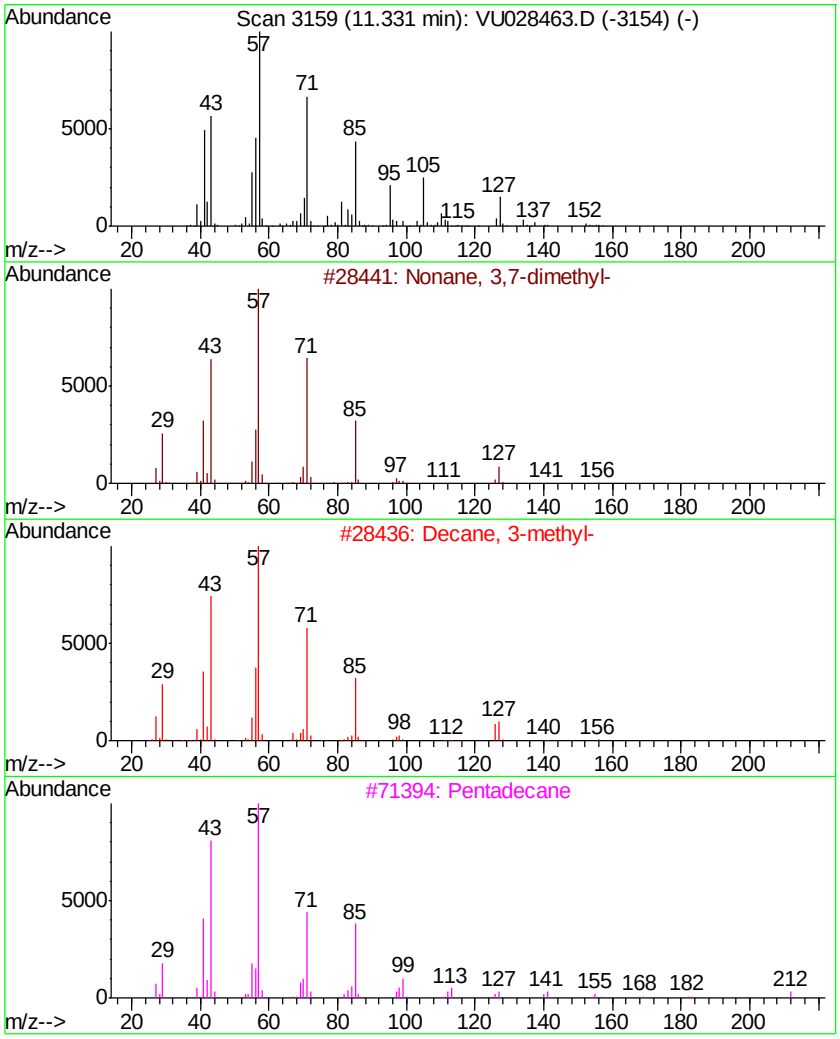
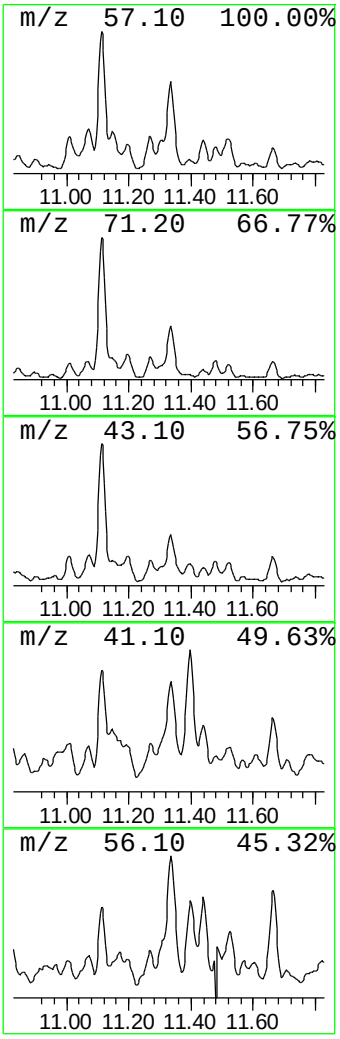
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	25.19 ug/L	938157	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	70
2	Decane, 3-methyl-	156	C11H24	013151-34-3	64
3	Pentadecane	212	C15H32	000629-62-9	50
4	Heptadecane	240	C17H36	000629-78-7	50
5	Pentadecane	212	C15H32	000629-62-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

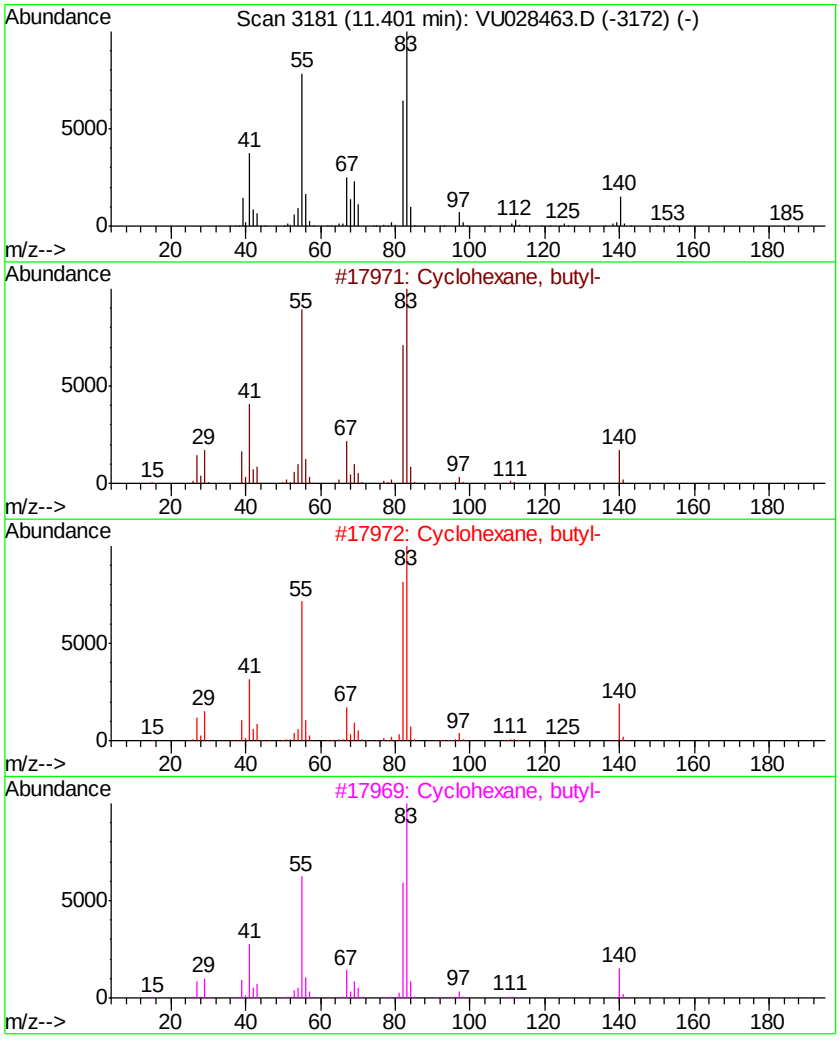
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

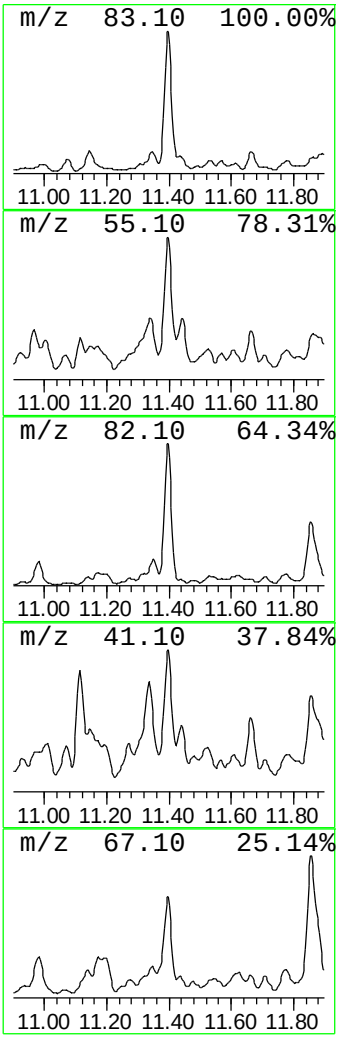
****

Peak Number 51 (DEL) Alkane: Cyclic11.40 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	26.82 ug/L	998515	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	90
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	86
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

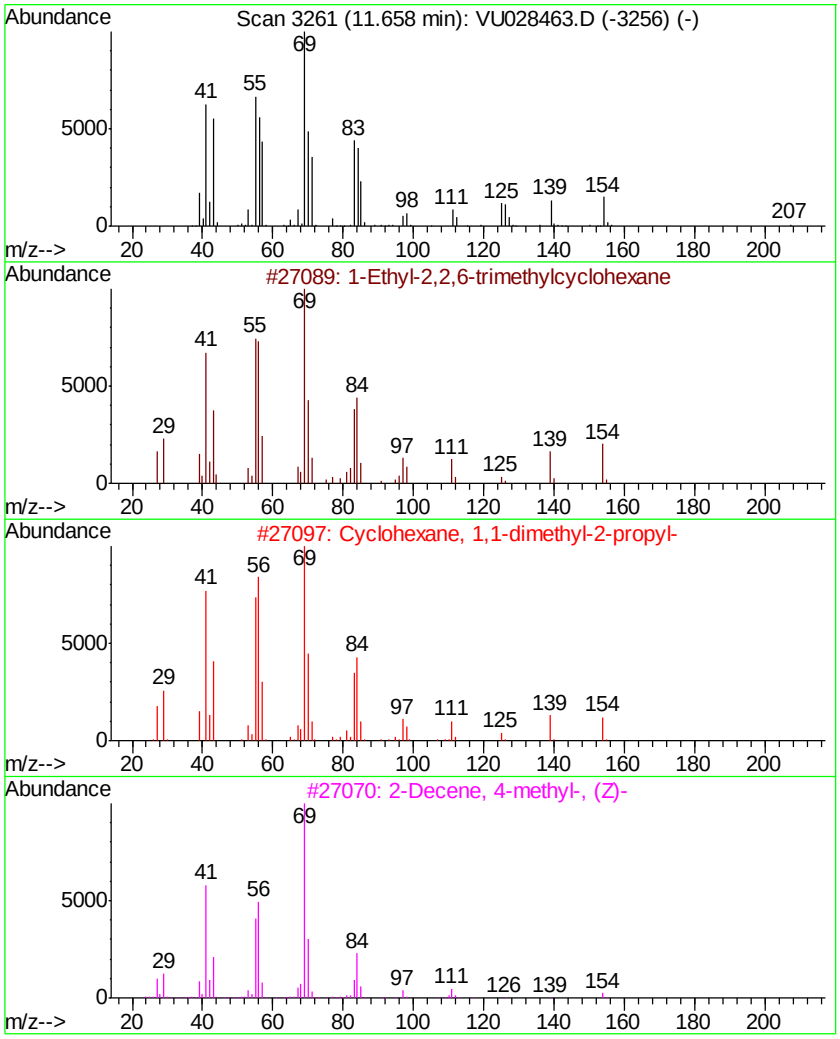
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

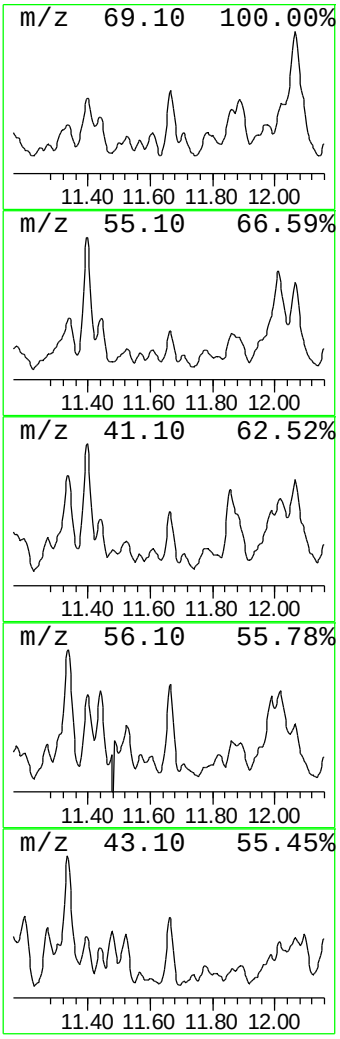
****

Peak Number 52 (DEL) Alkane: Cyclic11.66 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	12.24 ug/L	455841	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	90
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	90
3	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	64
4	Cyclopentane, hexyl-	154	C11H22	004457-00-5	62
5	5-Undecene	154	C11H22	004941-53-1	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

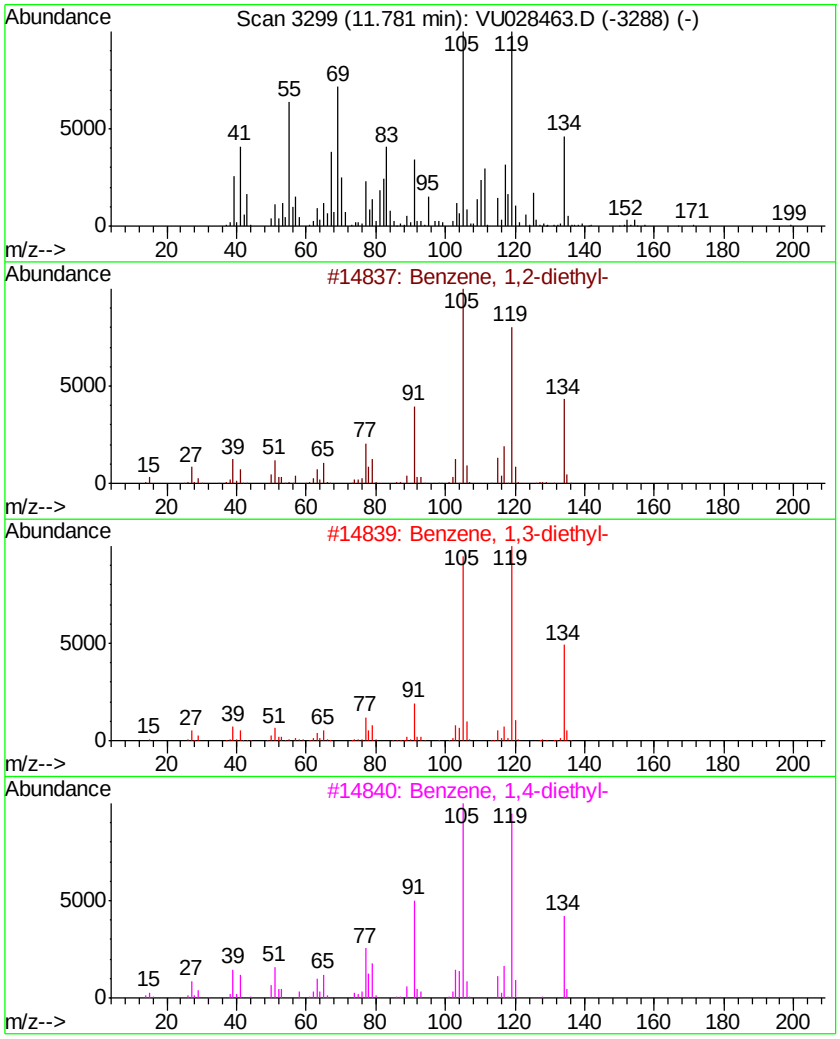
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

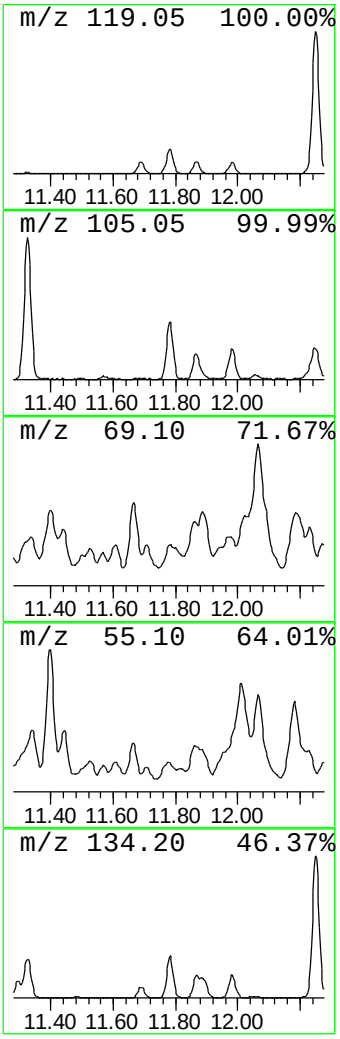
****

Peak Number 53 unknown-06 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	17.05 ug/L	635058	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	47
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	35
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	35
4	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	35
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

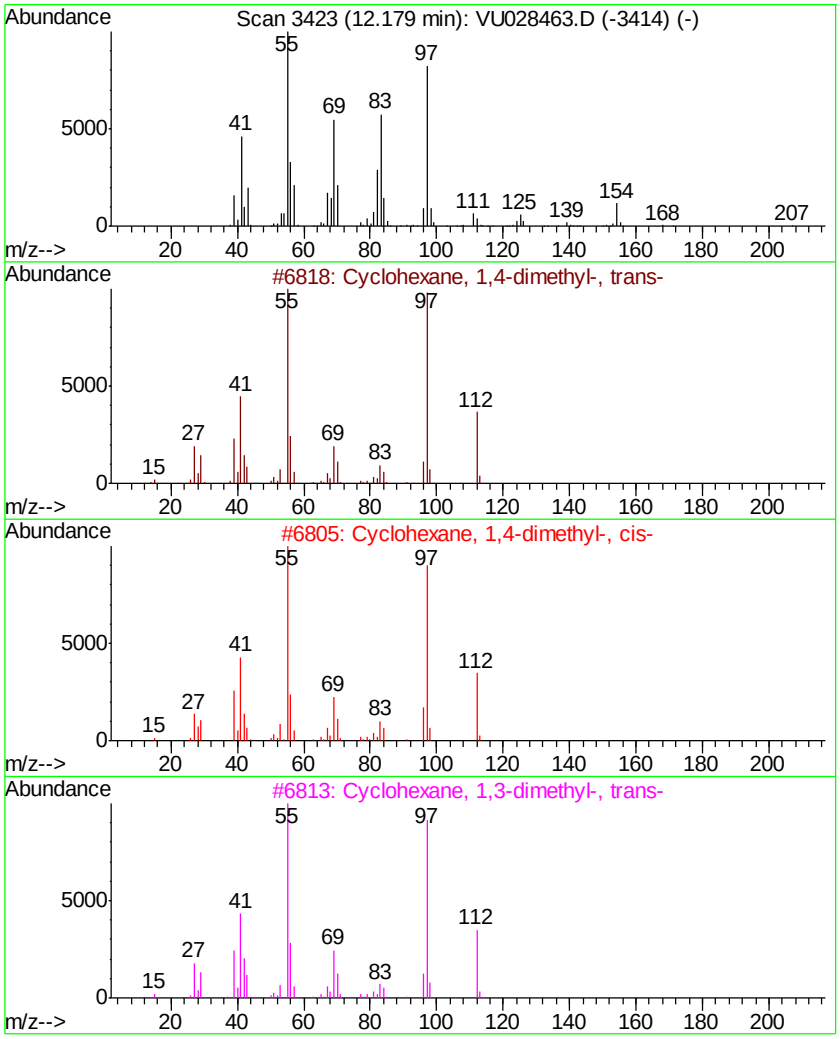
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

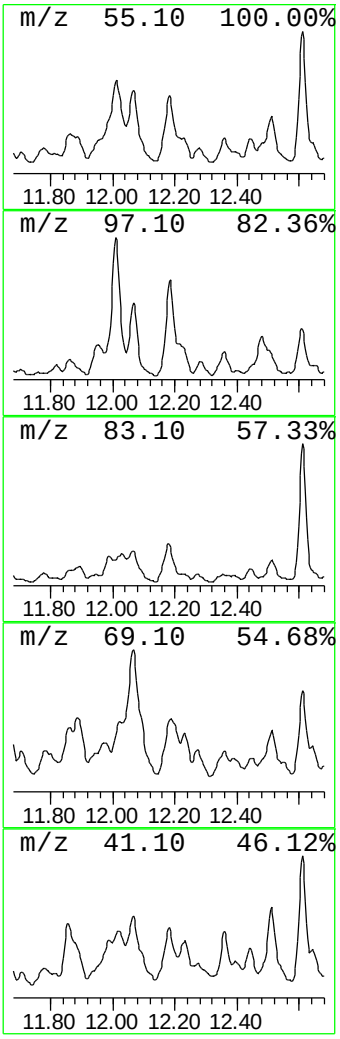
****

Peak Number 54 (DEL) Alkane: Cyclic12.18 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	23.28 ug/L	866704	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	62
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
5	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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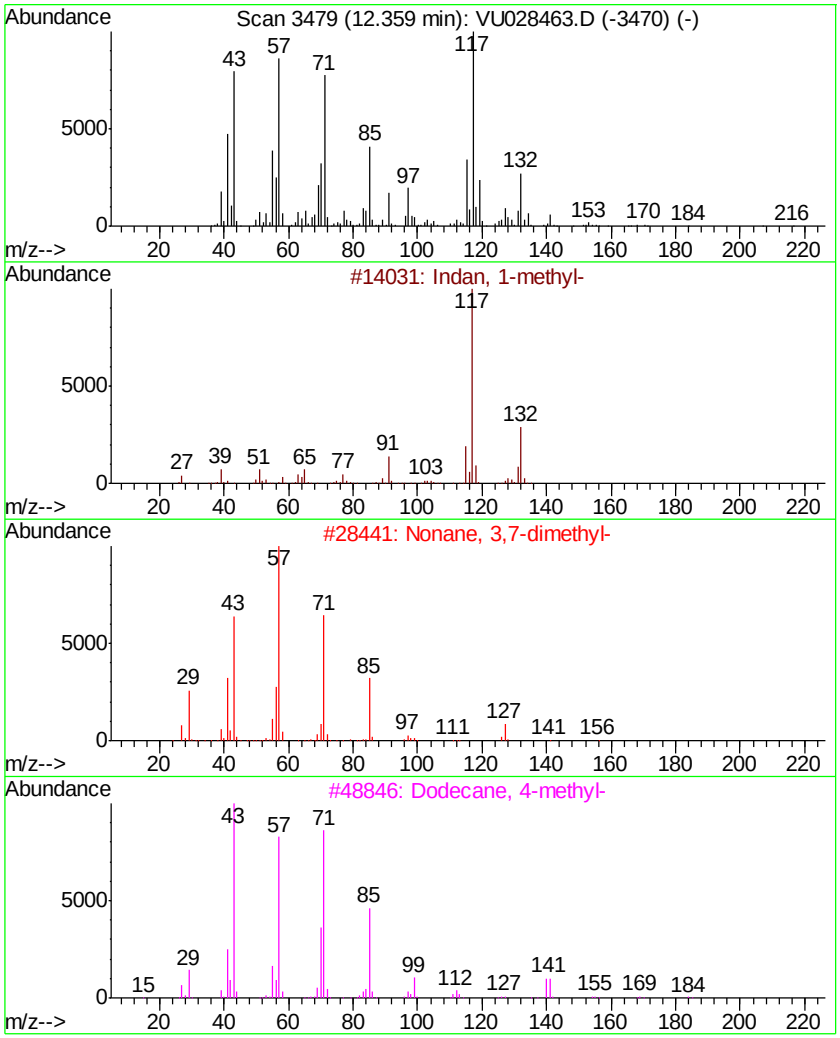
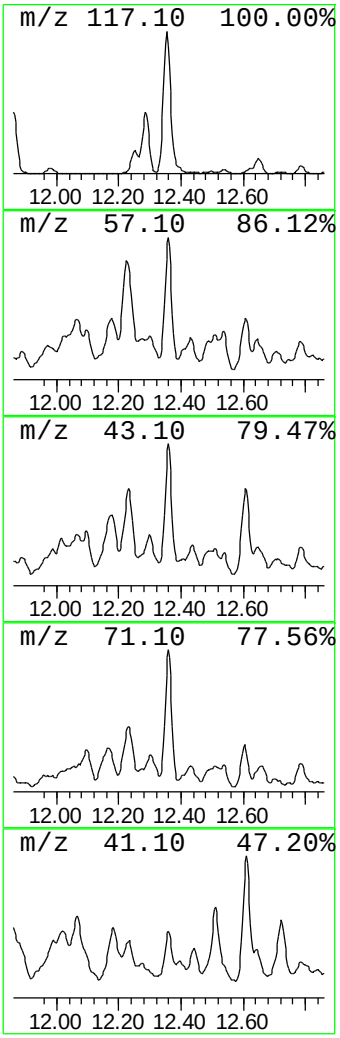
Peak Number 55 Indan, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	31.56 ug/L	1175380	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	70
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	42
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	42
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	42
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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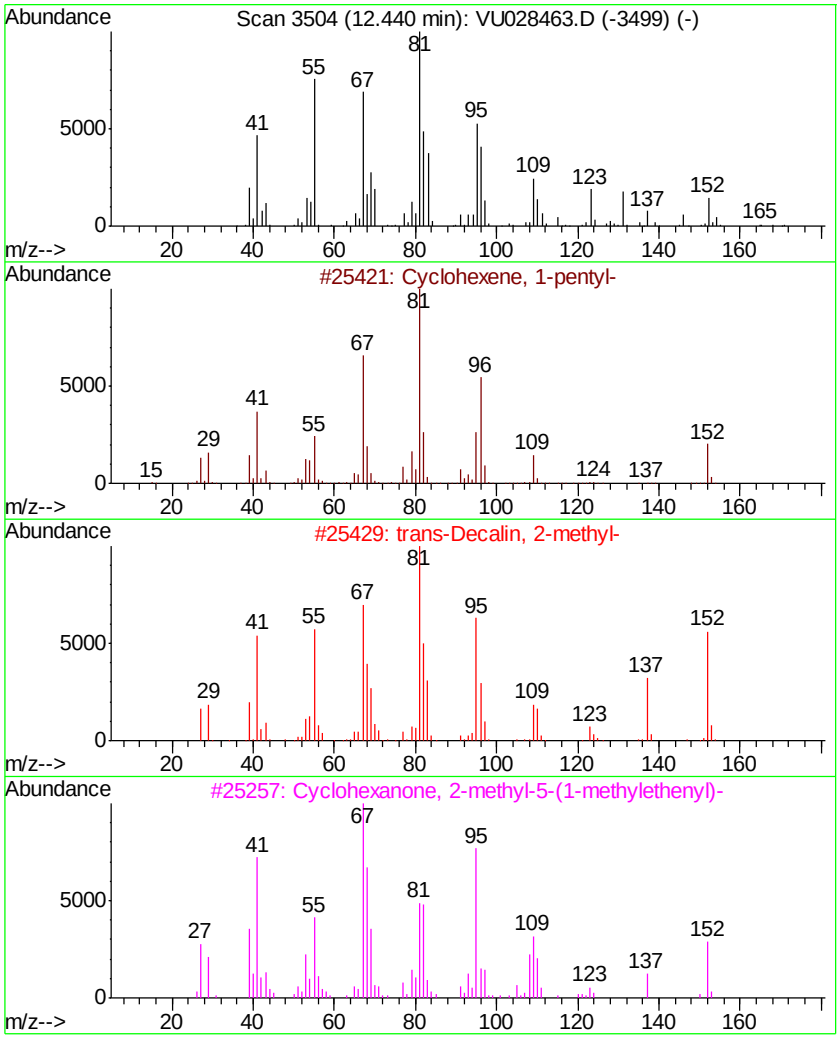
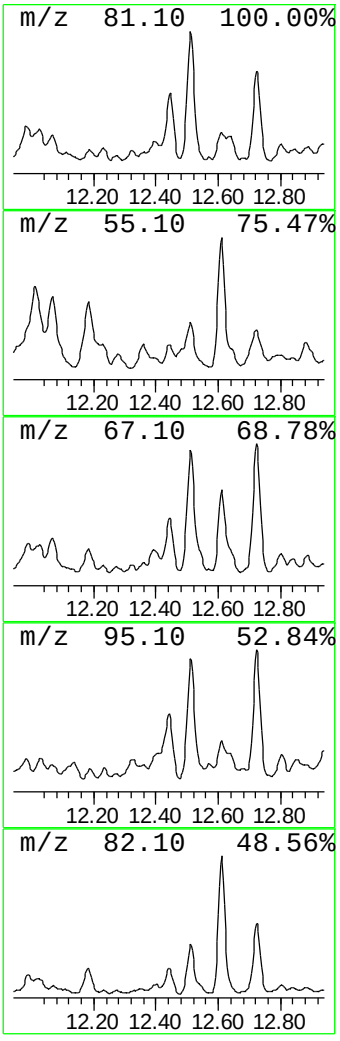
Peak Number 56 Cyclohexene, 1-pentyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	11.07 ug/L	412282	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	70
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	64
4	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	58
5	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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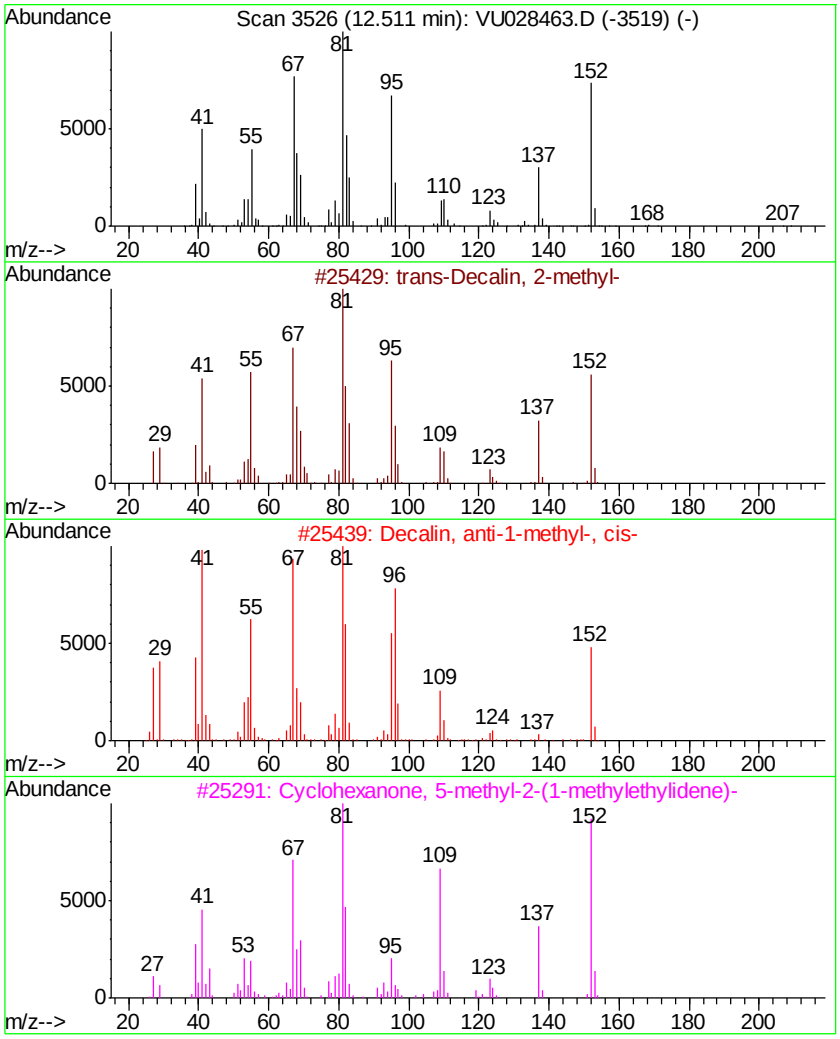
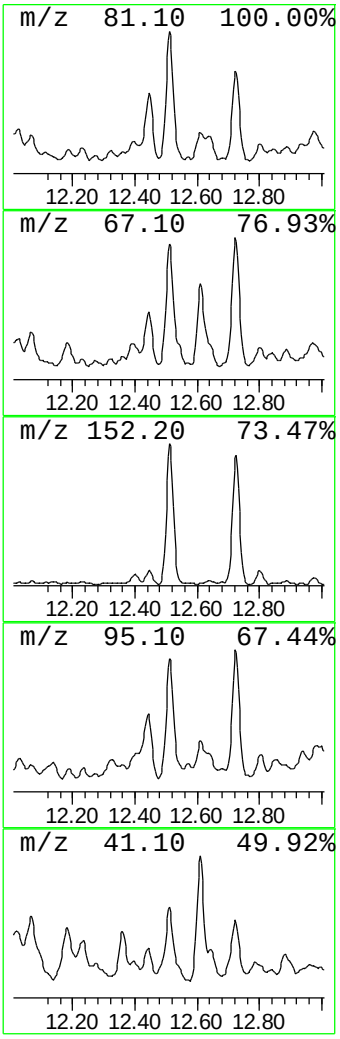
Peak Number 57 trans-Decalin, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	45.36 ug/L	1689100	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	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	87
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	87
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	87
5	Pulegone	152	C10H16O	000089-82-7	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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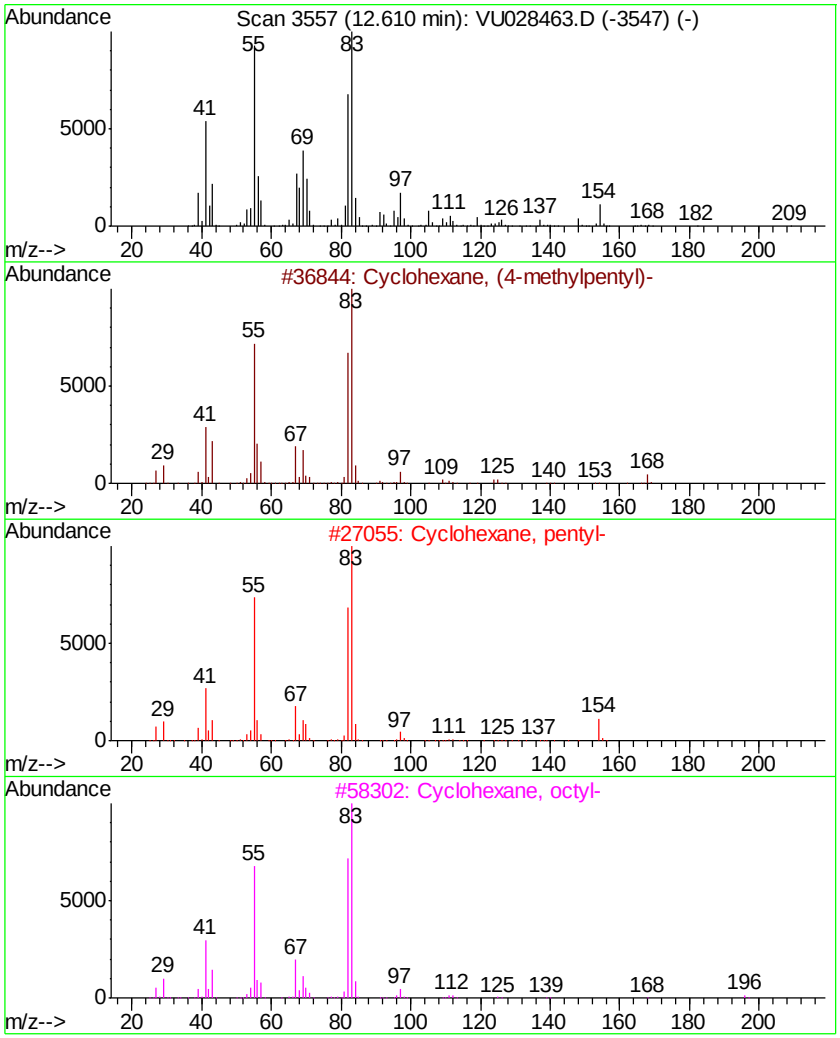
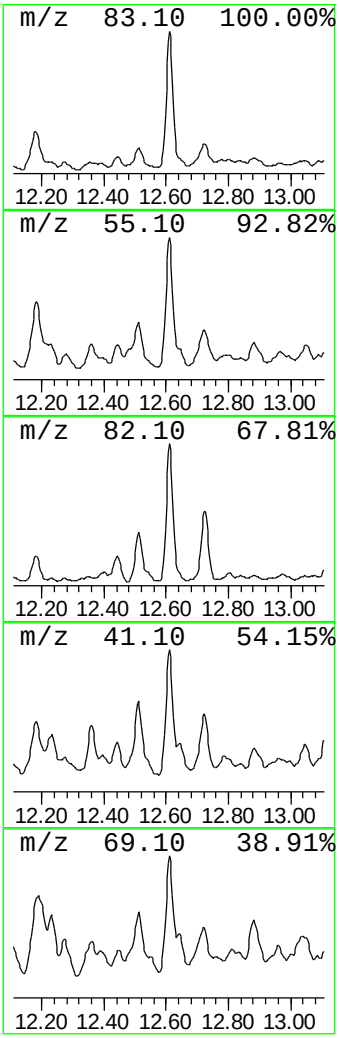
Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	52.07 ug/L	1938830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	76
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

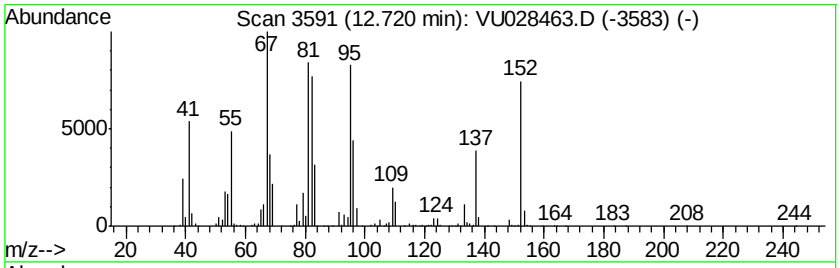
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

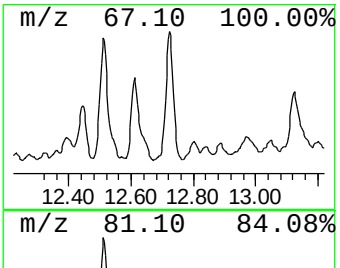
****

Peak Number 59 1-Methyldecahydronaphthalene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	30.20 ug/L	1124520	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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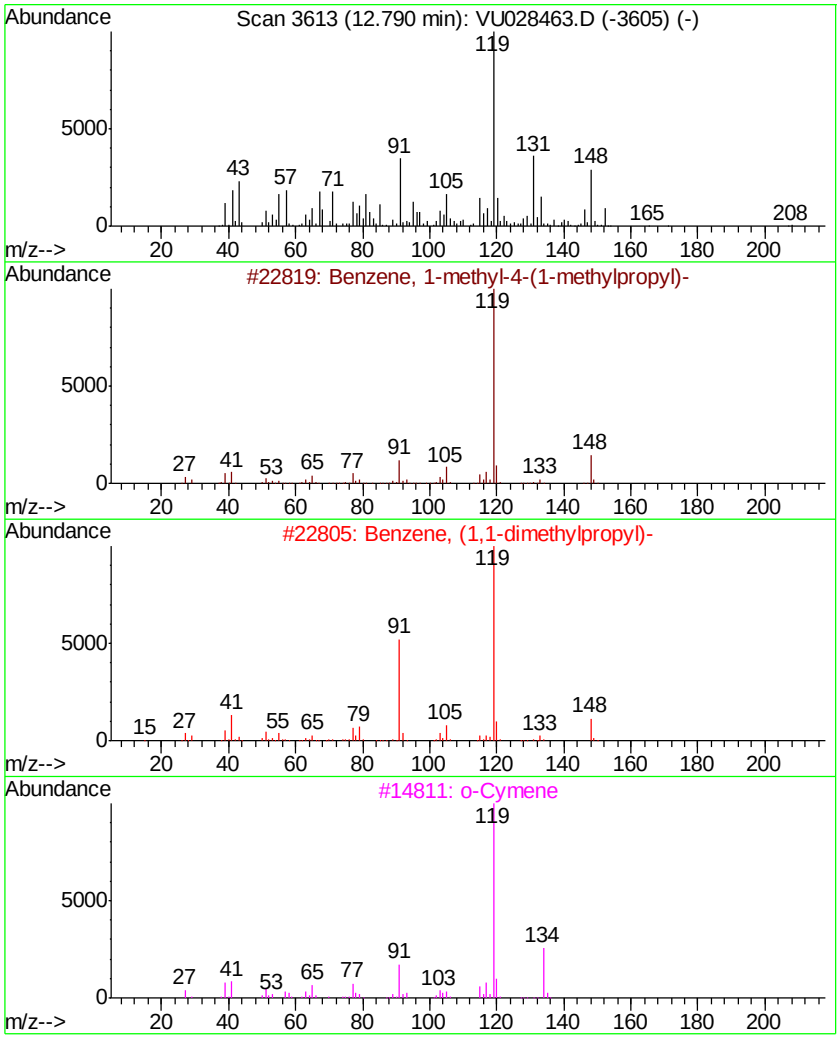
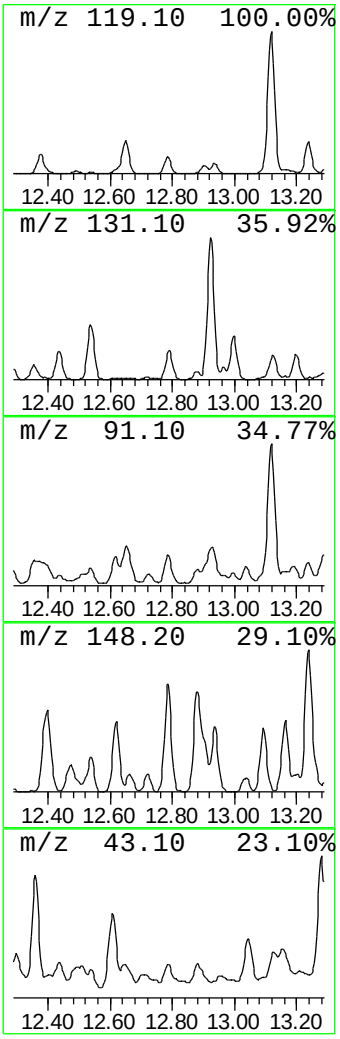
Peak Number 60 Benzene, 1-methyl-4-(1-meth... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	11.91 ug/L	443536	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	64
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
3	o-Cymene	134	C10H14	000527-84-4	55
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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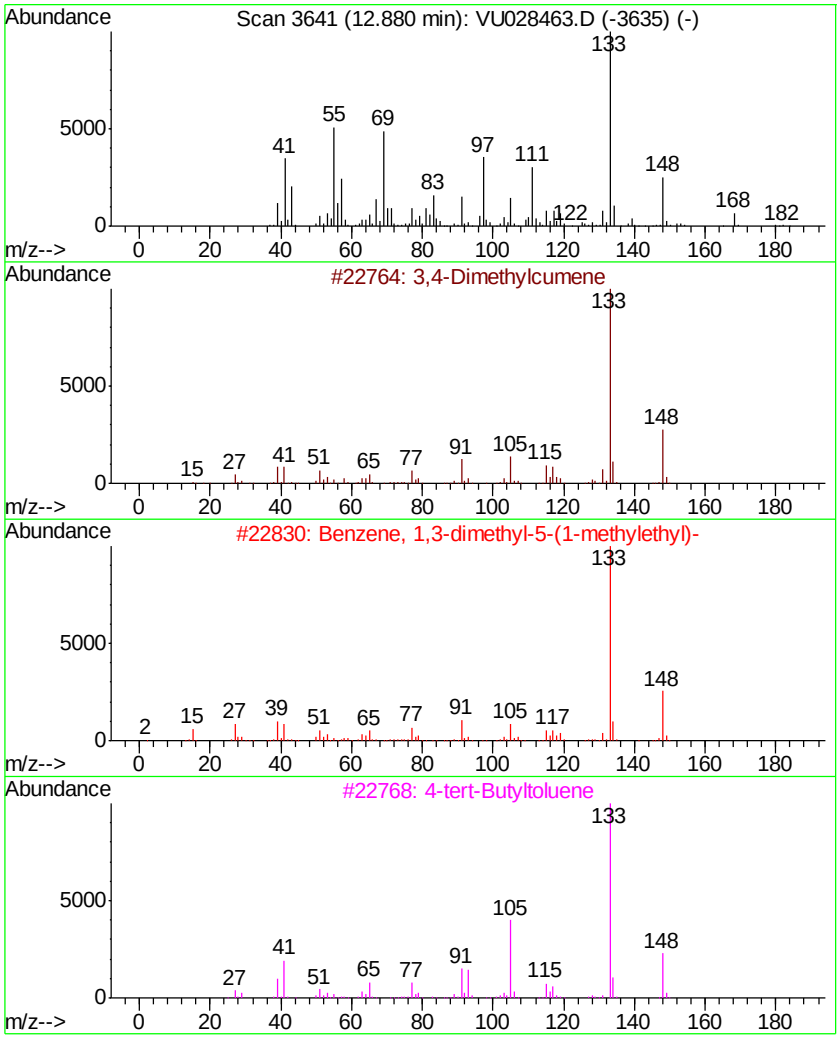
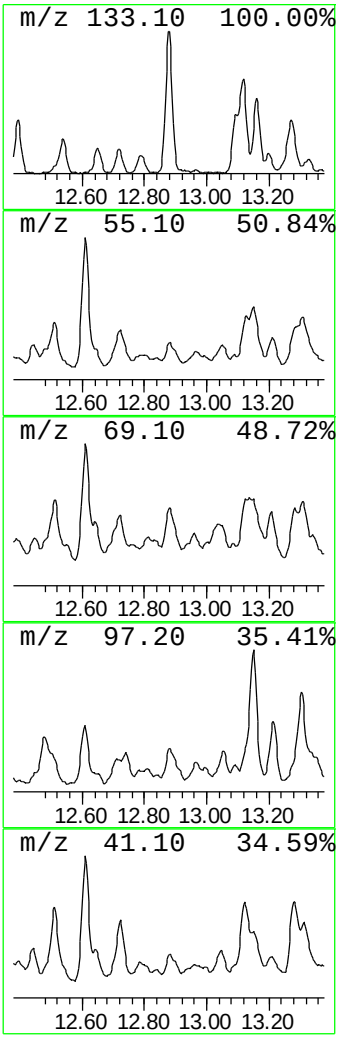
Peak Number 61 3,4-Dimethylcumene Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	12.90 ug/L	480314	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	86
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	70
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	64
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	64
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

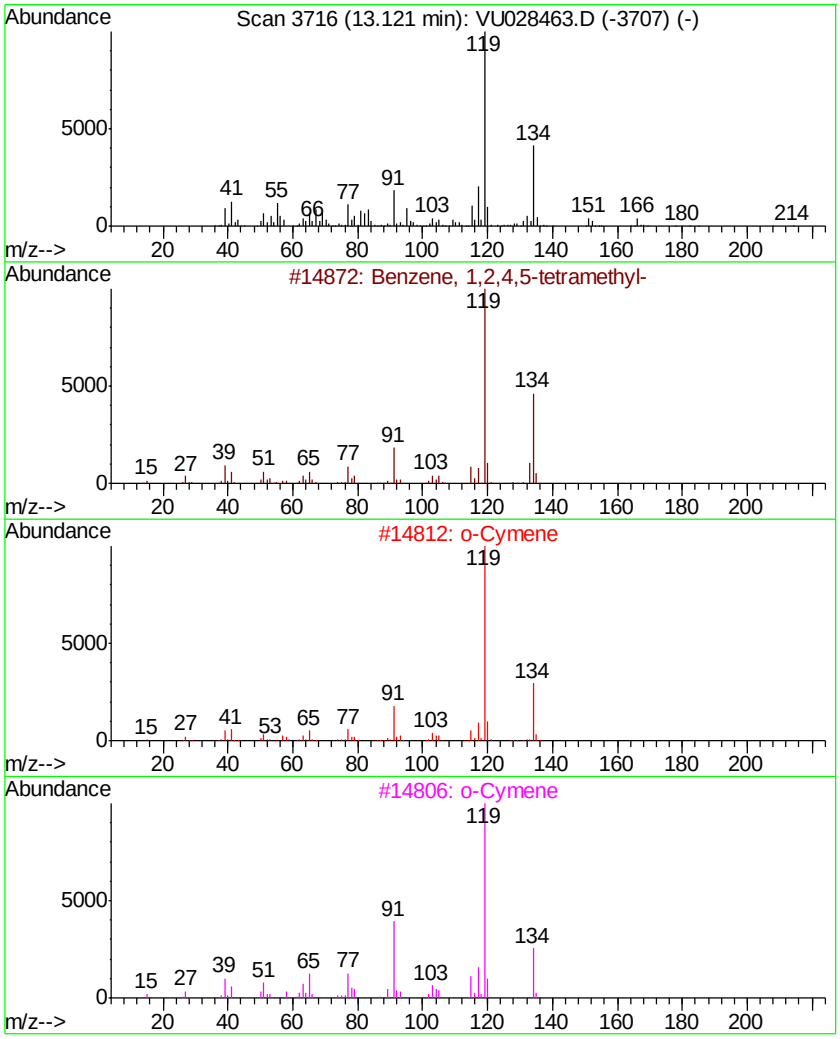
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

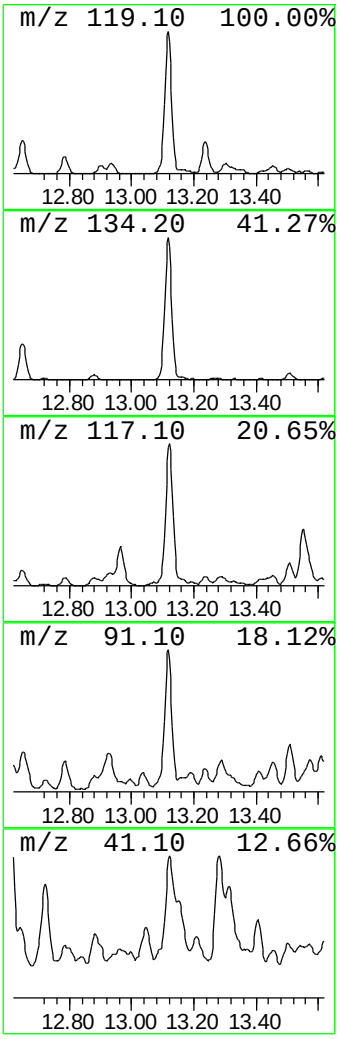
****

Peak Number 62 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	85.76 ug/L	3193260	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	93
2	o-Cymene	134	C10H14	000527-84-4	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

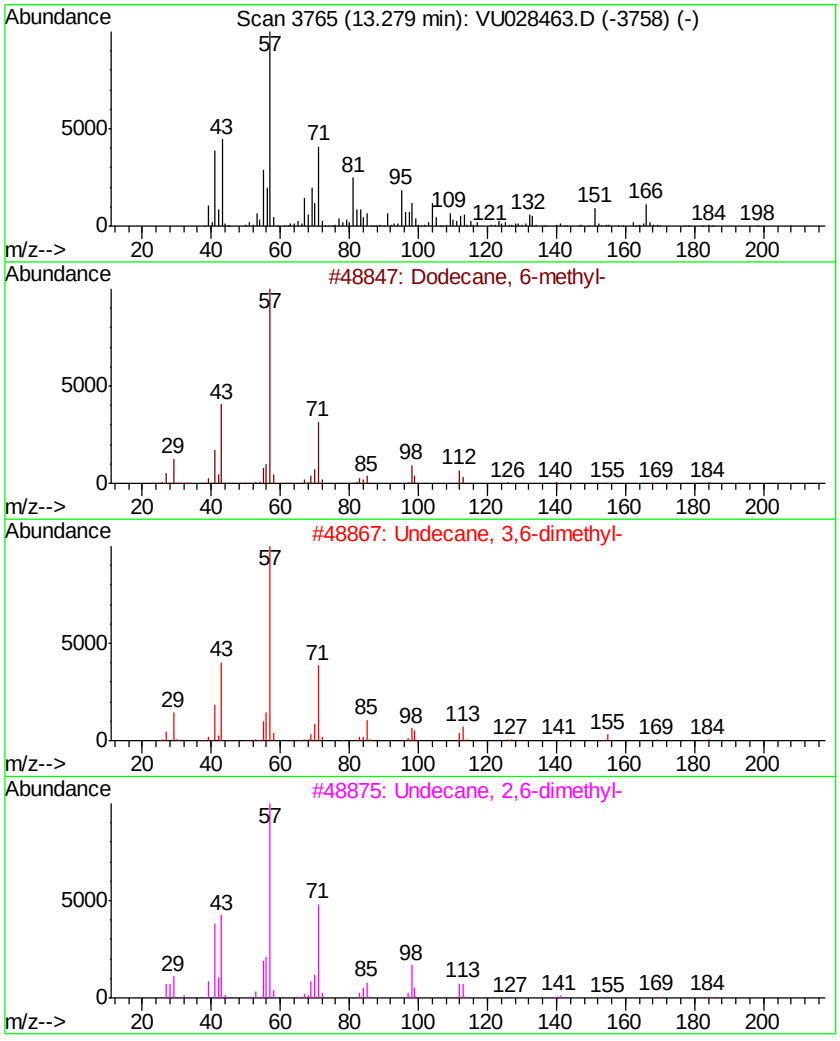
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

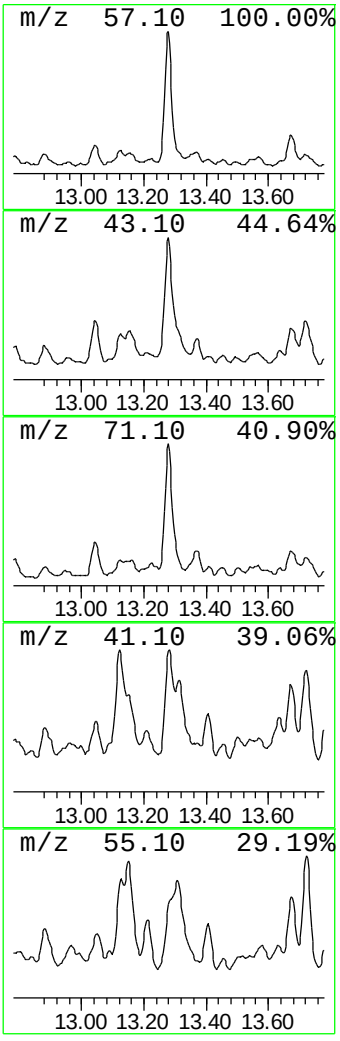
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	36.47 ug/L	1358000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	41
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	38
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
4	Hexatriacontane	507	C36H74	000630-06-8	35
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

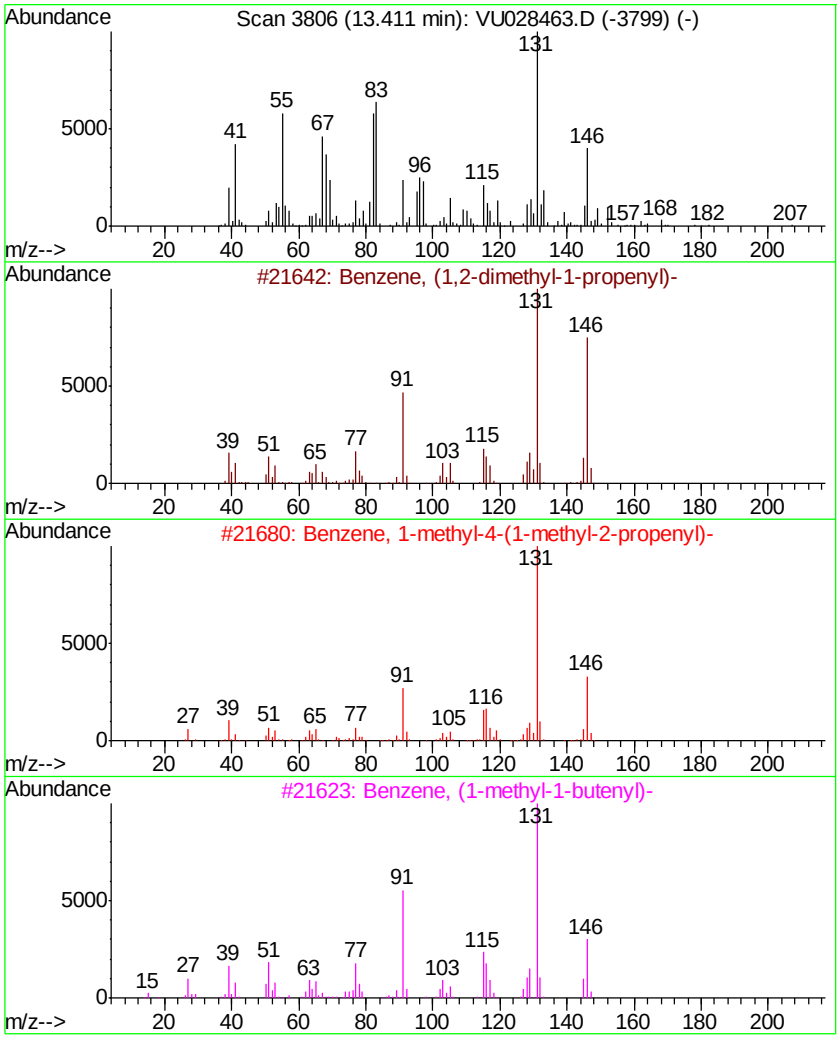
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

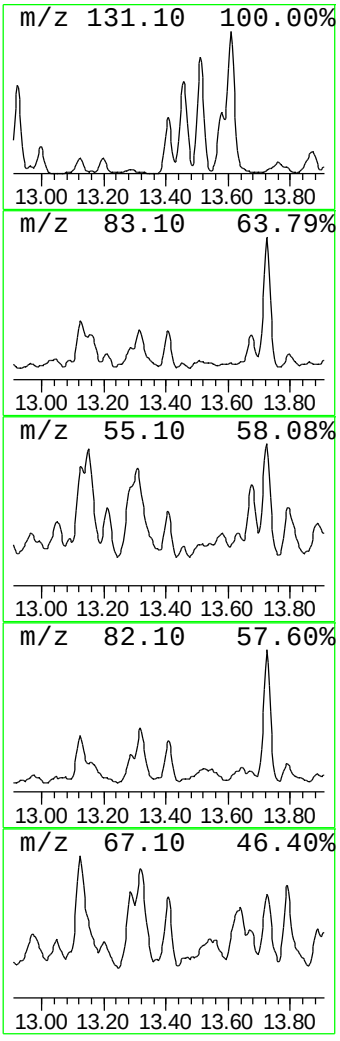
****

Peak Number 64 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	12.25 ug/L	456245	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	62
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	53
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	52
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

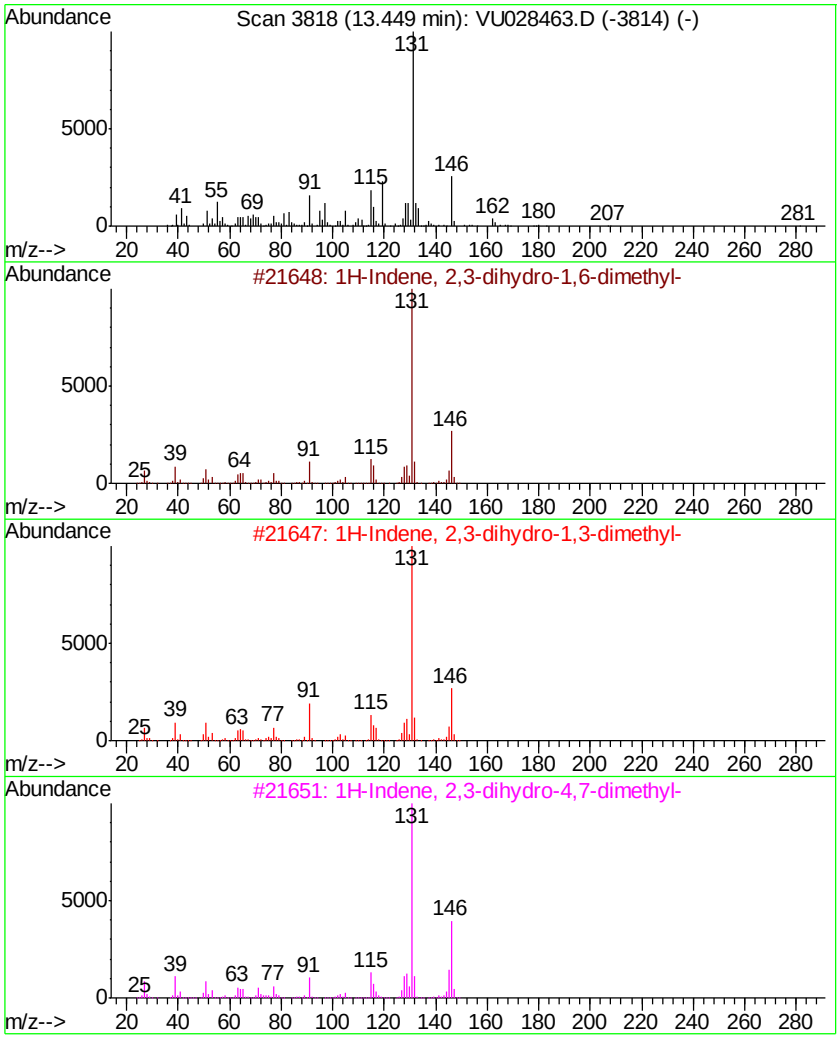
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

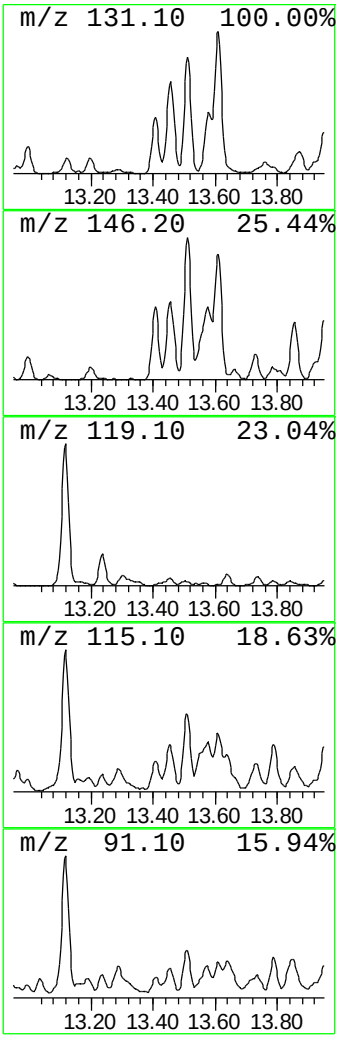
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	10.25 ug/L	381757	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-1,3-dimet...	146	C11H14	004175-53-5	81
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

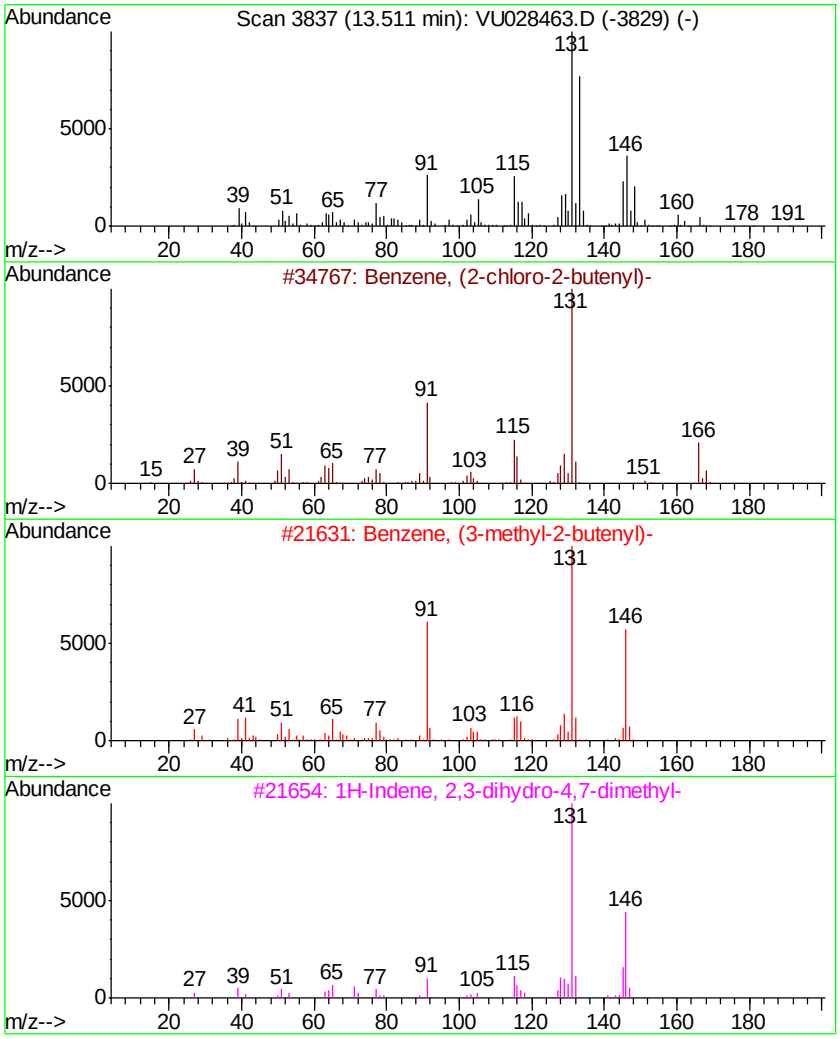
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

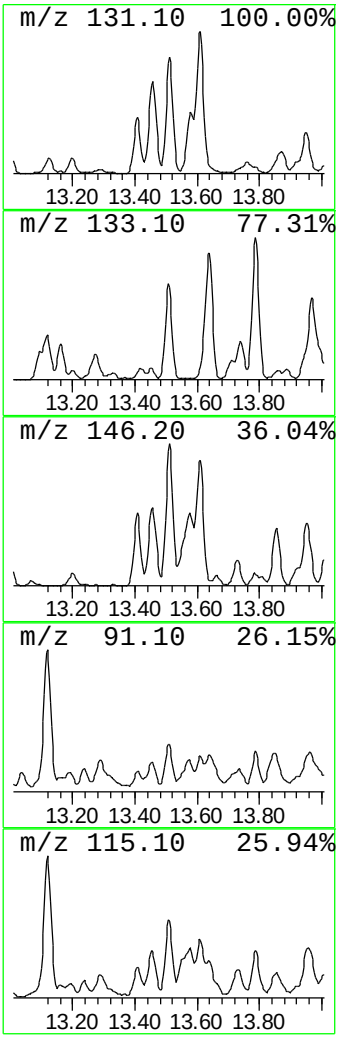
****

Peak Number 66 Benzene, (2-chloro-2-butenyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	20.19 ug/L	751942	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	84
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

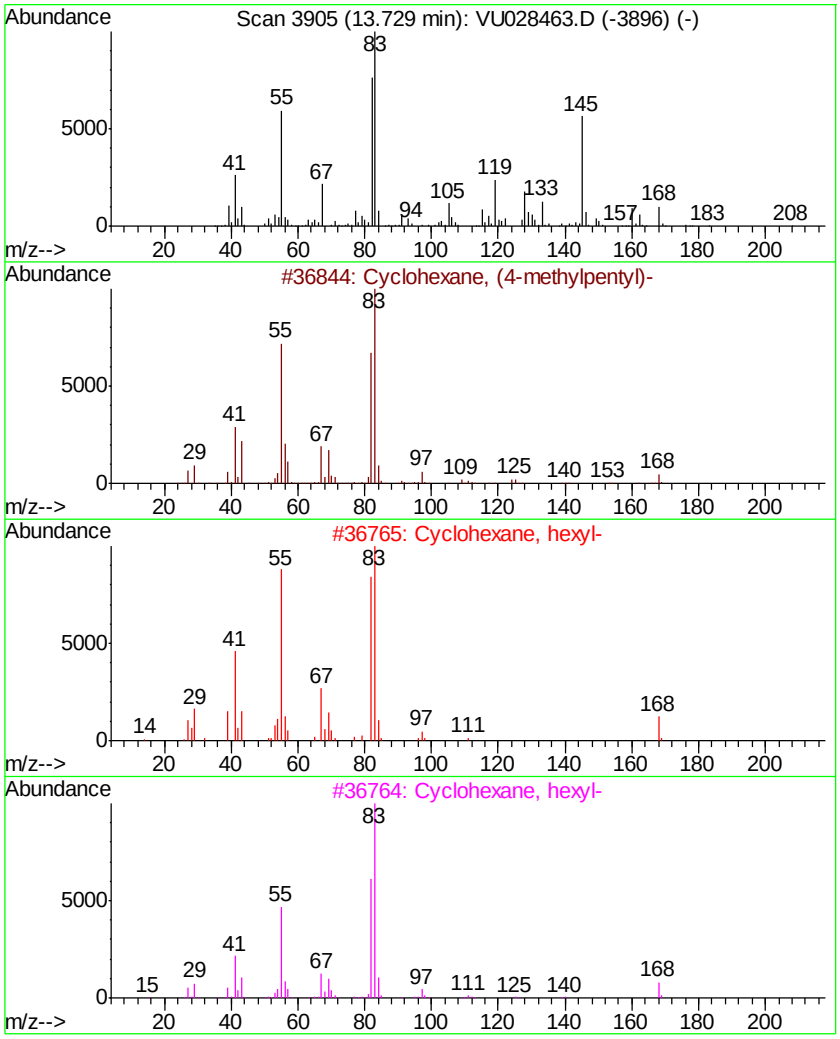
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

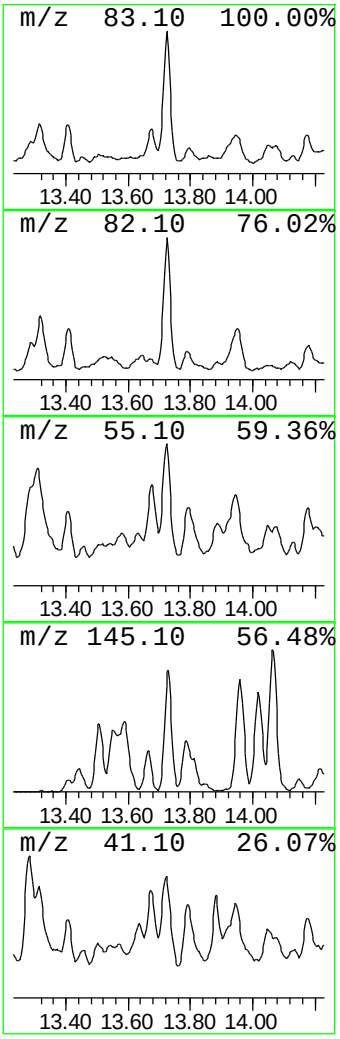
****

Peak Number 67 (DEL) Alkane: Cyclic13.73 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	35.15 ug/L	1308920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	59
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	58
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

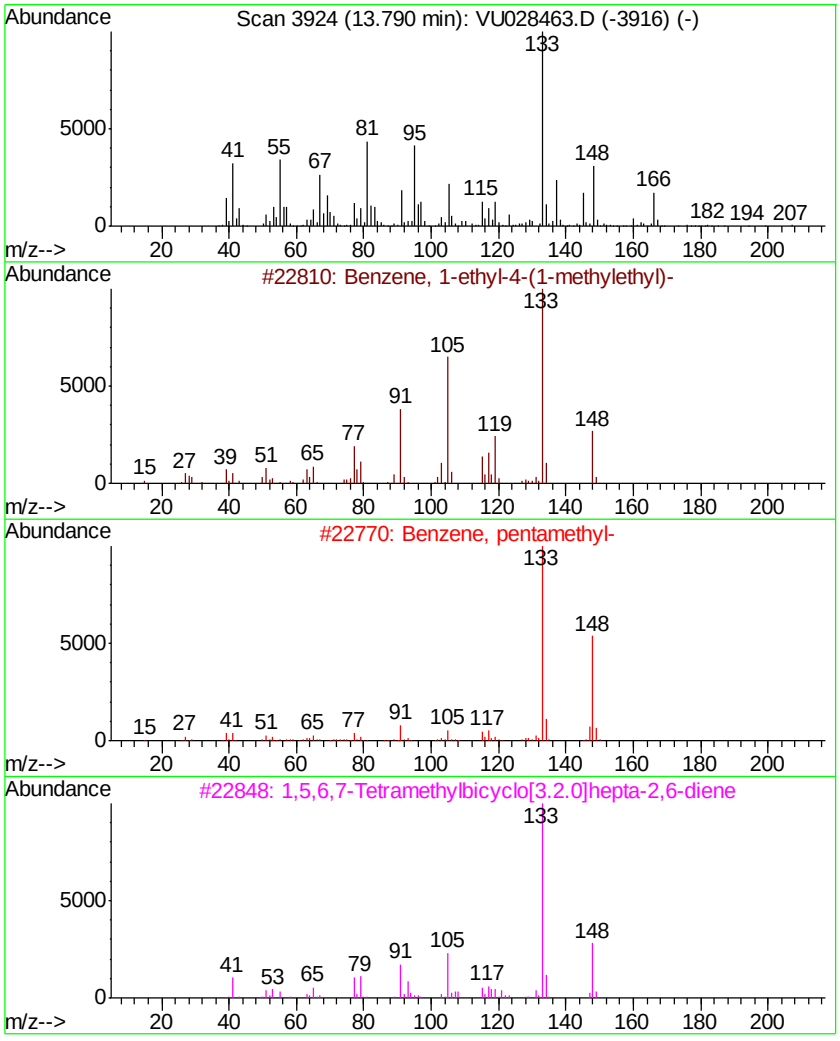
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

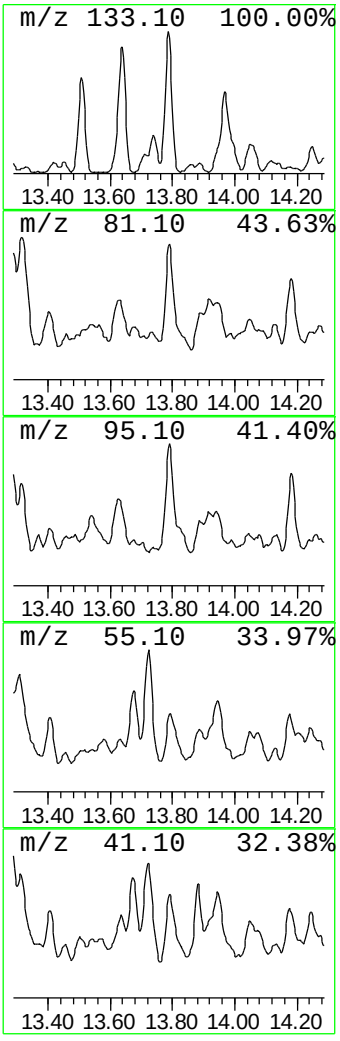
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	31.71 ug/L	1180680	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	60
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	60
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

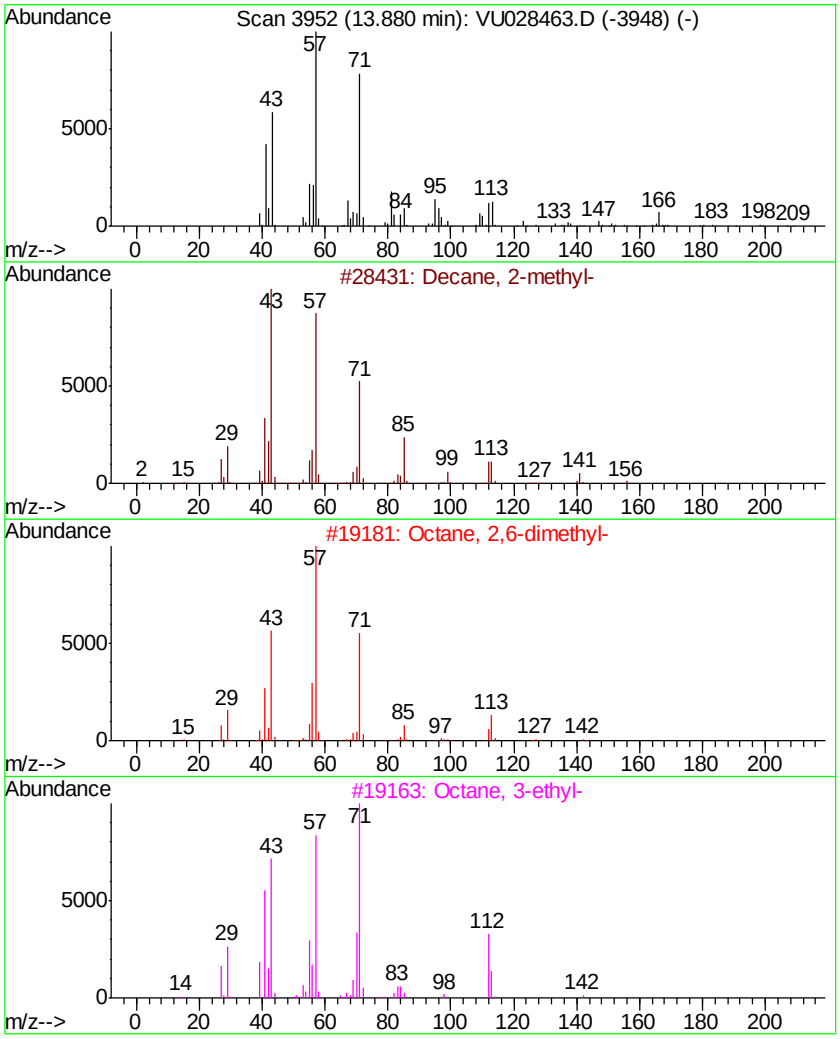
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

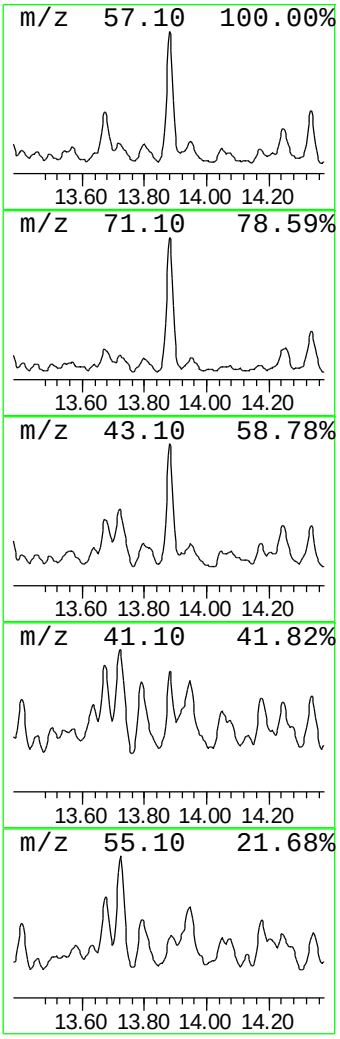
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	8.63 ug/L	321492	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	72
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	59
4	Oxalic acid, 2-ethylhexyl undecy...	356	C21H40O4	1000309-39-4	53
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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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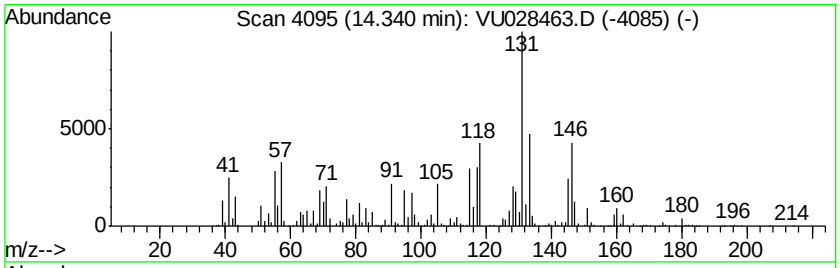
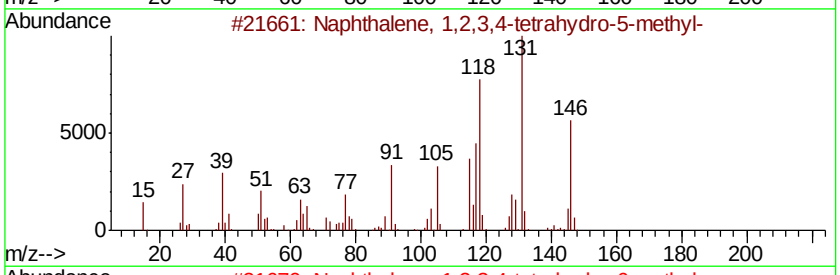
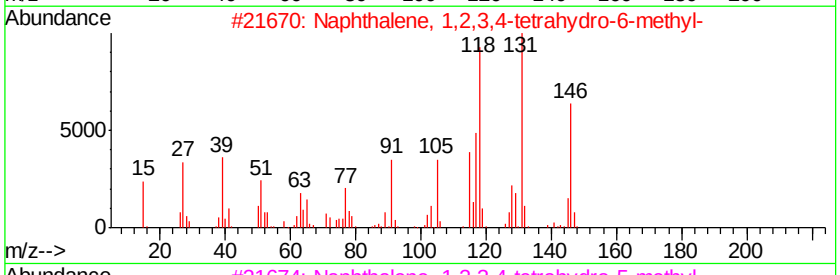
Peak Number 70 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

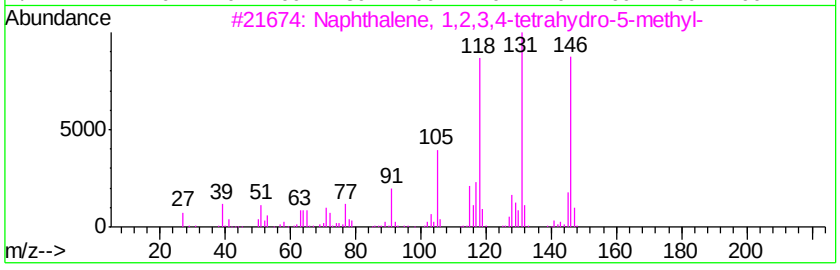
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	41.88 ug/L	1559420	1,4-Dichlorobenzene-d4	11.48

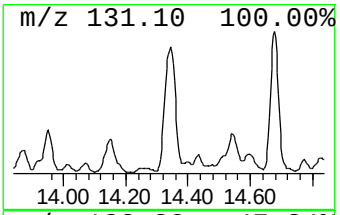
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	62
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55

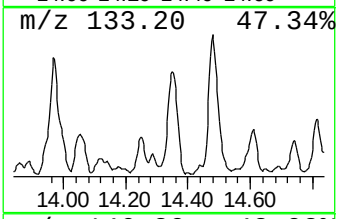


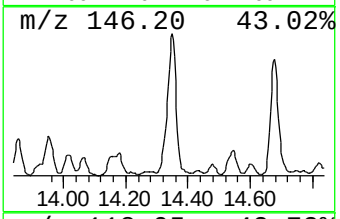


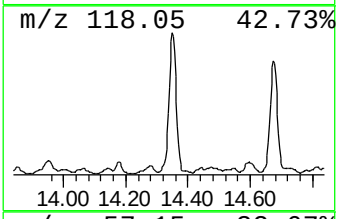


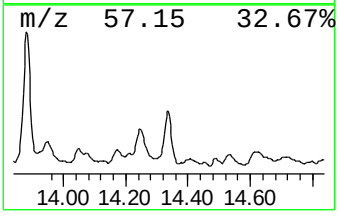












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

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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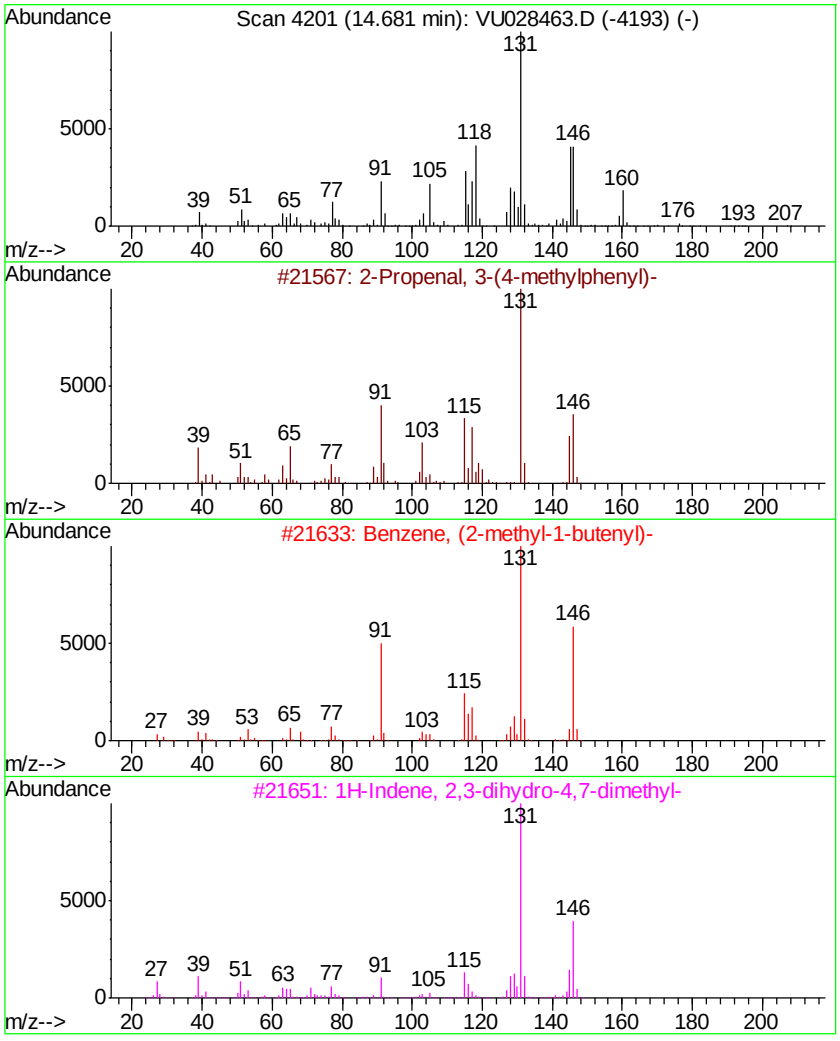
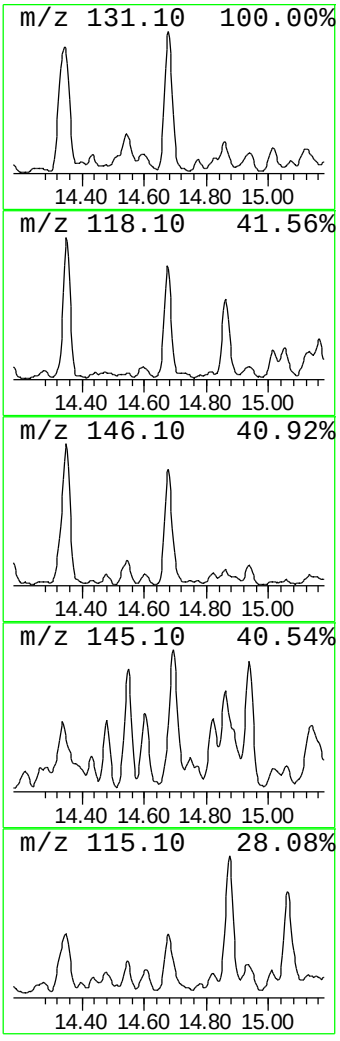
Peak Number 71 2-Propenal, 3-(4-methylphen... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	22.69 ug/L	845002	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	60
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	53
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

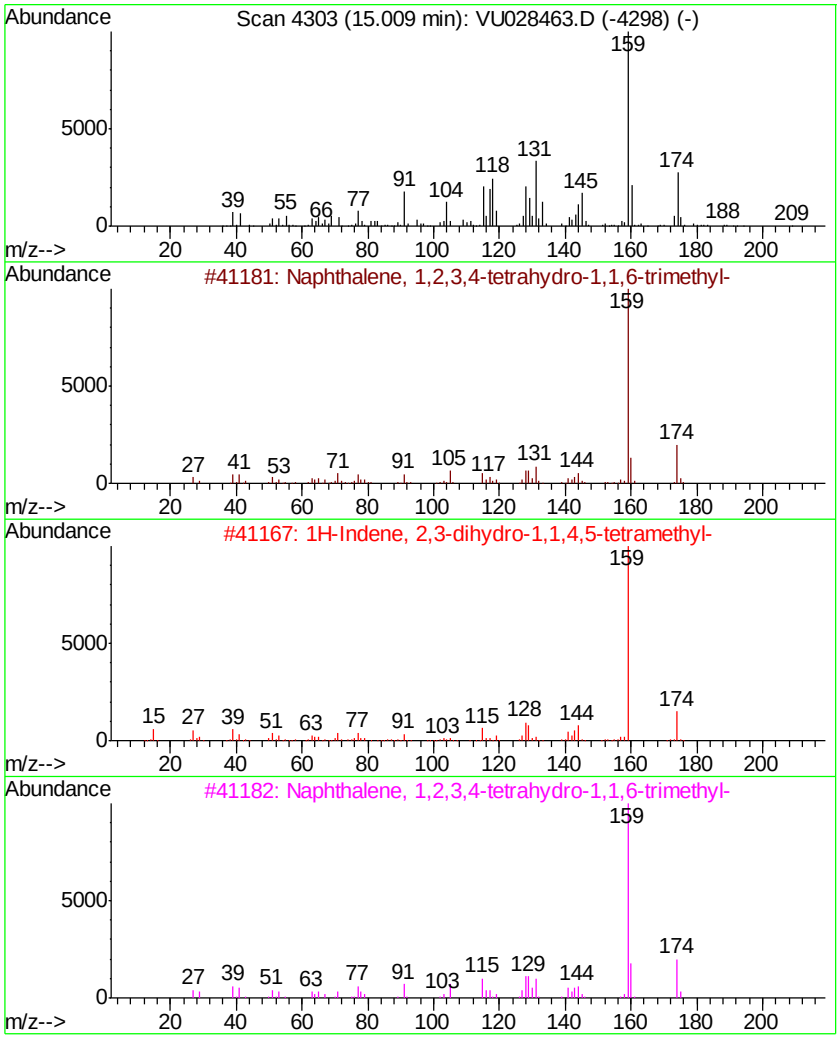
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

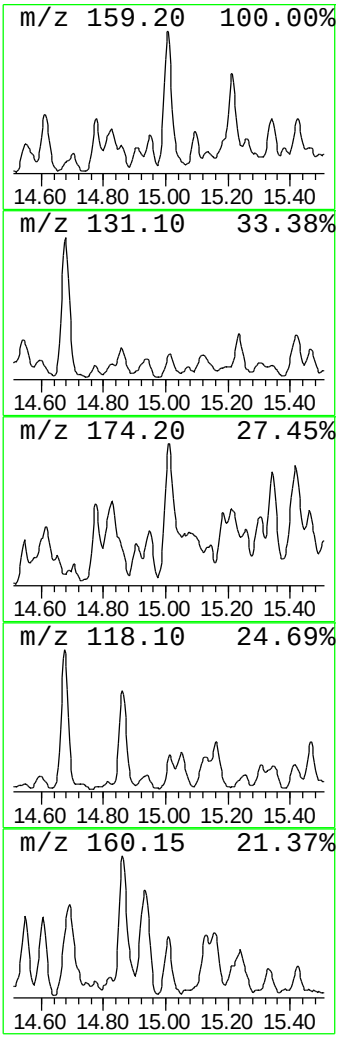
****

Peak Number 73 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	7.28 ug/L	271026	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	93
2	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	92
4	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	92
5	1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	92





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

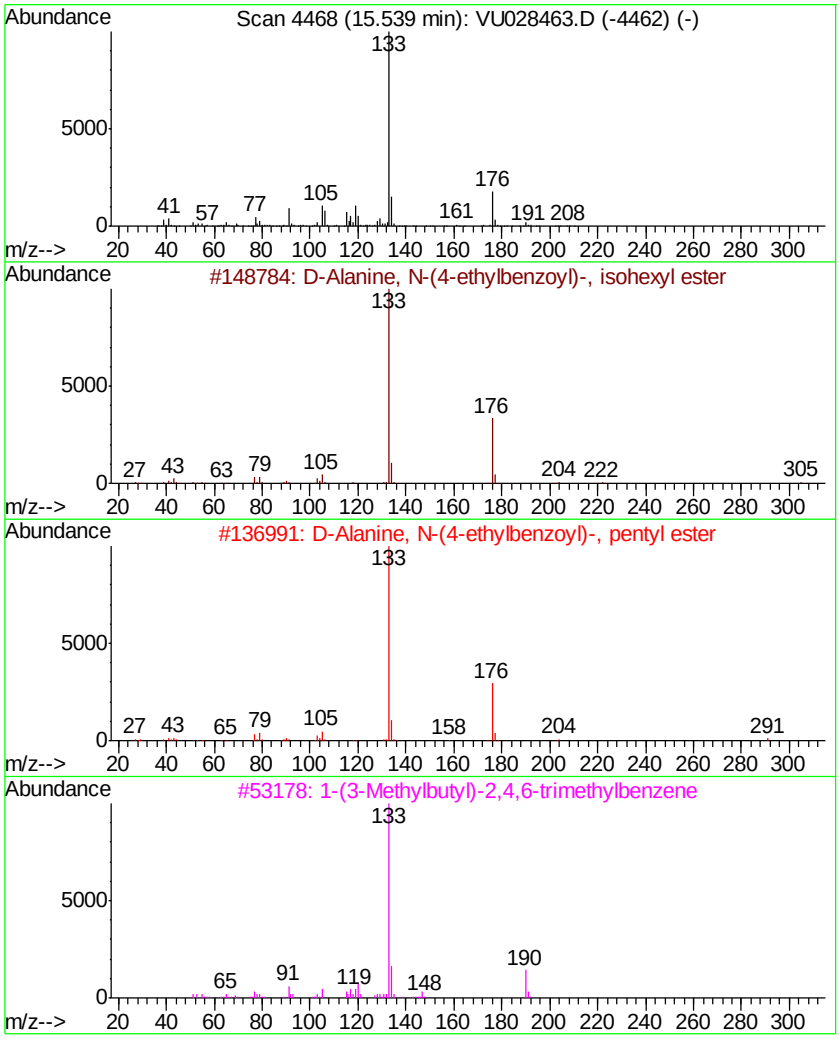
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

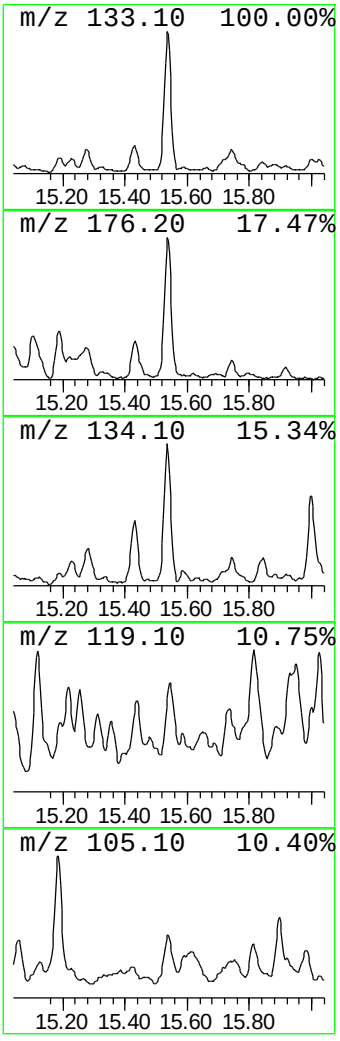
****

Peak Number 74 D-Alanine, N-(4-ethylbenzoy... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	9.17 ug/L	341430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Alanine, N-(4-ethylbenzoyl)-, ...	305	C18H27NO3	1000354-08-7	59
2	D-Alanine, N-(4-ethylbenzoyl)-, ...	291	C17H25NO3	1000354-08-6	59
3	1-(3-Methylbutyl)-2,4,6-trimethy...	190	C14H22	016204-65-2	59
4	1-methyl-1-indanol	148	C10H12O	064666-42-8	53
5	1,3-Benzenediol, o-(4-ethylbenzo...	360	C23H20O4	1000330-83-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

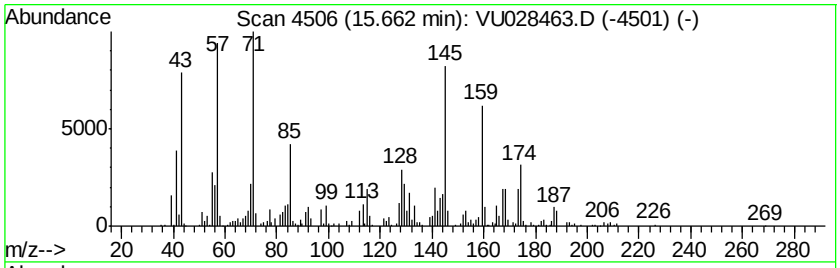
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

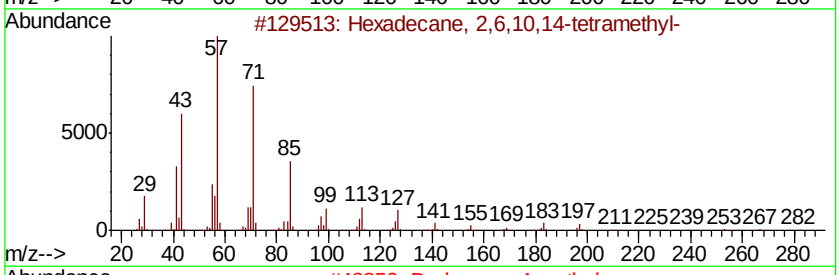
****

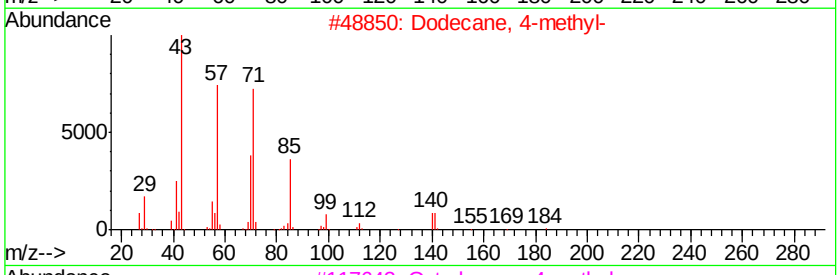
Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 61

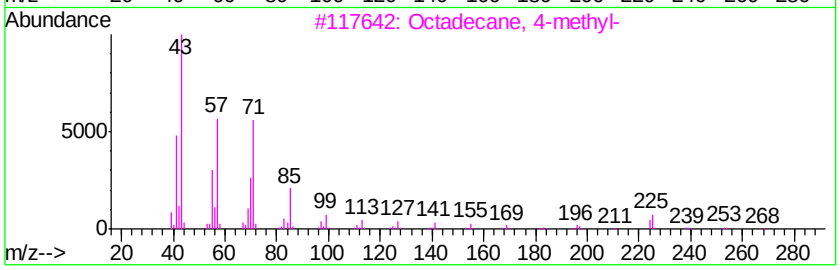
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	11.31 ug/L	421001	1,4-Dichlorobenzene-d4	11.48

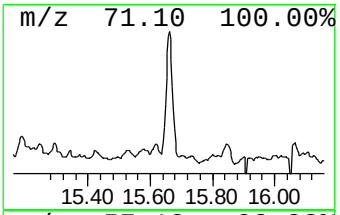
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	25
3	Octadecane, 4-methyl-	268	C19H40	010544-95-3	22
4	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	18
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	18

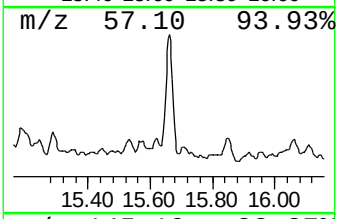


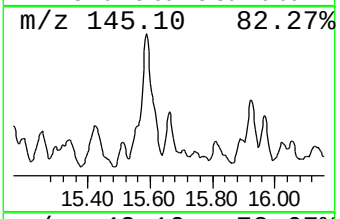


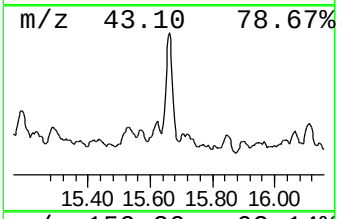


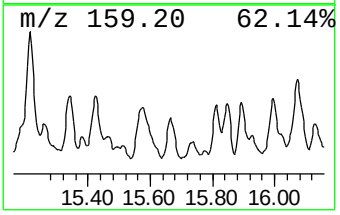












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

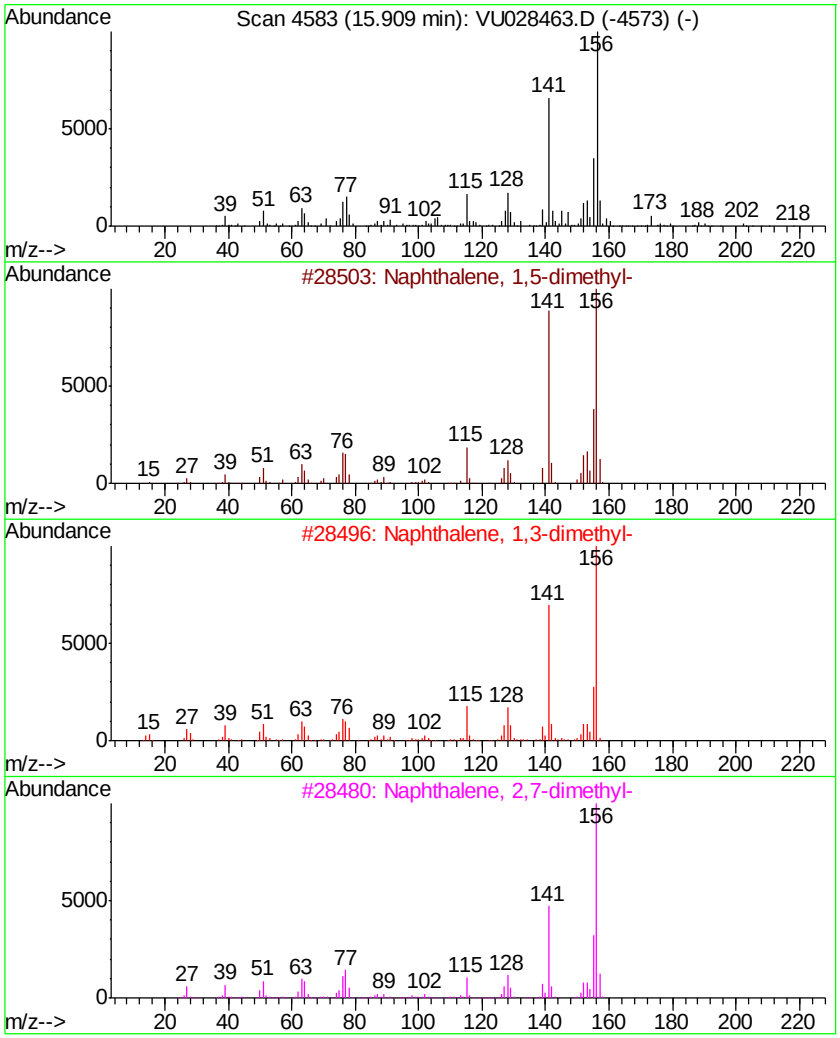
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

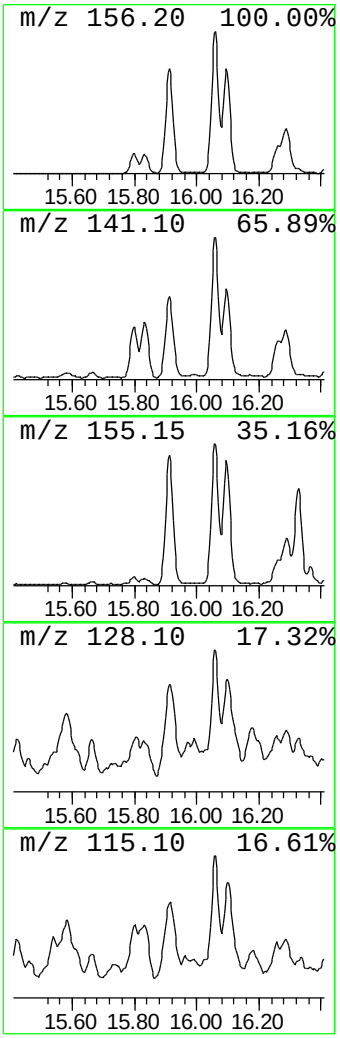
****

Peak Number 76 Naphthalene, 1,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	33.31 ug/L	1240410	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

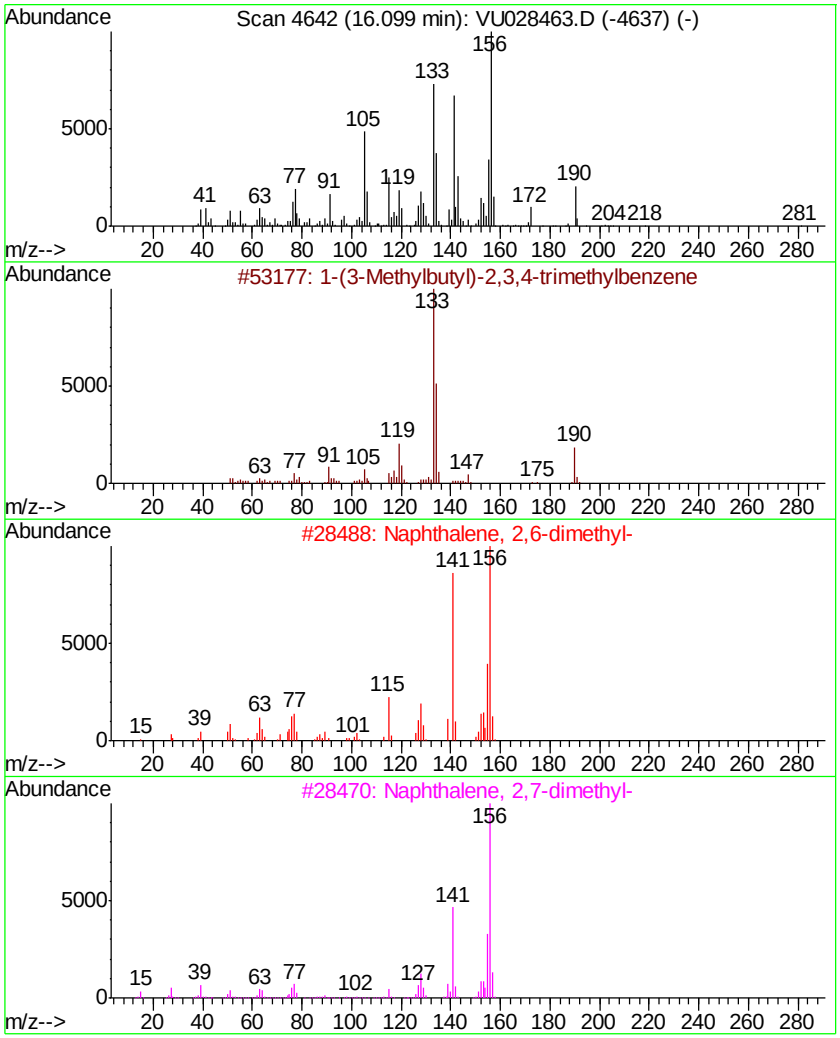
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

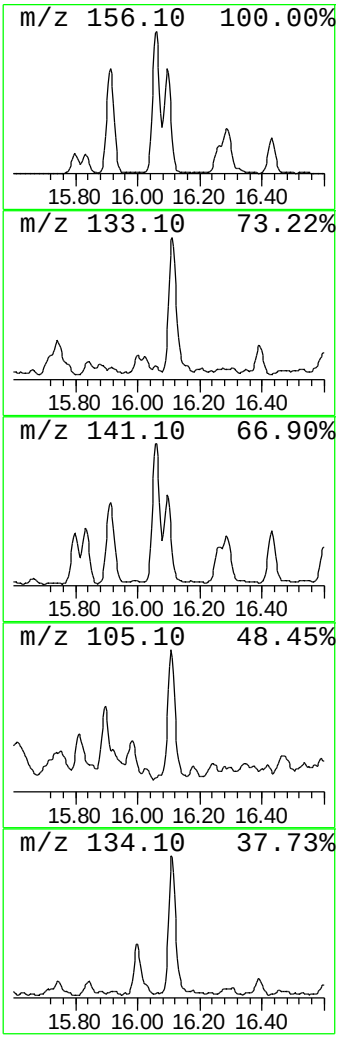
****

Peak Number 78 1-(3-Methylbutyl)-2,3,4-tri... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	34.97 ug/L	1302340	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Methylbutyl)-2,3,4-trimethy...	190	C14H22	107997-59-1	86
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	68
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	68
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	64
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

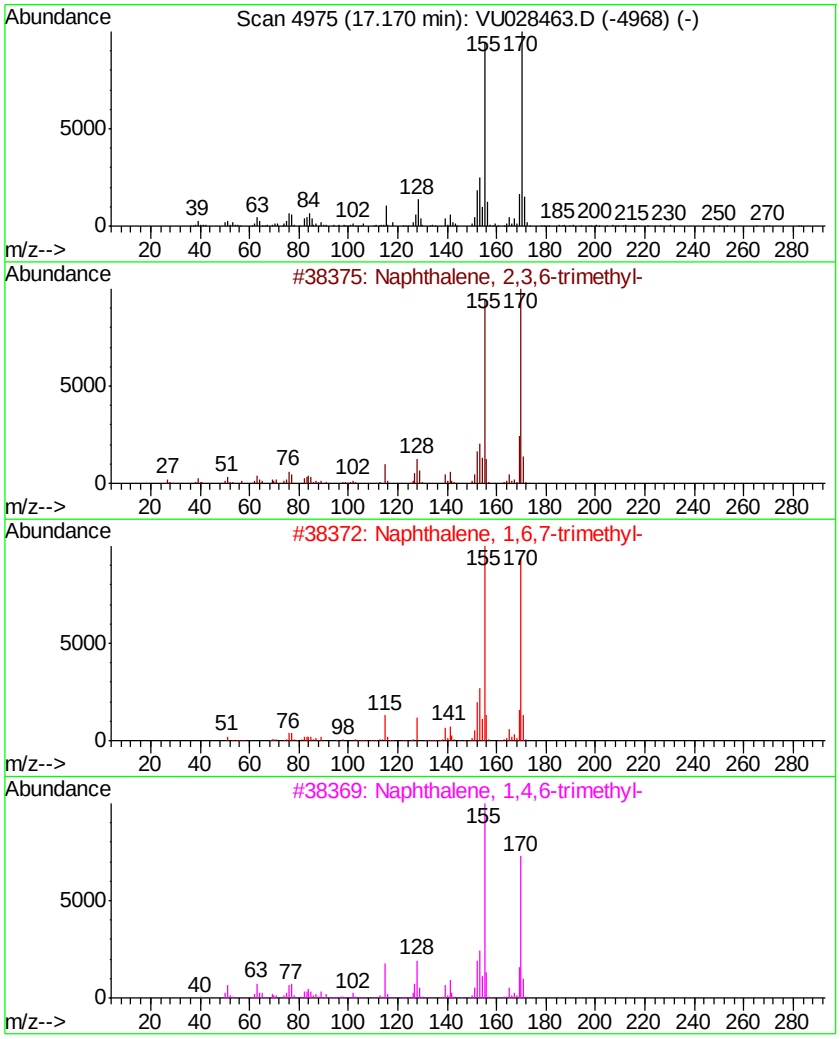
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

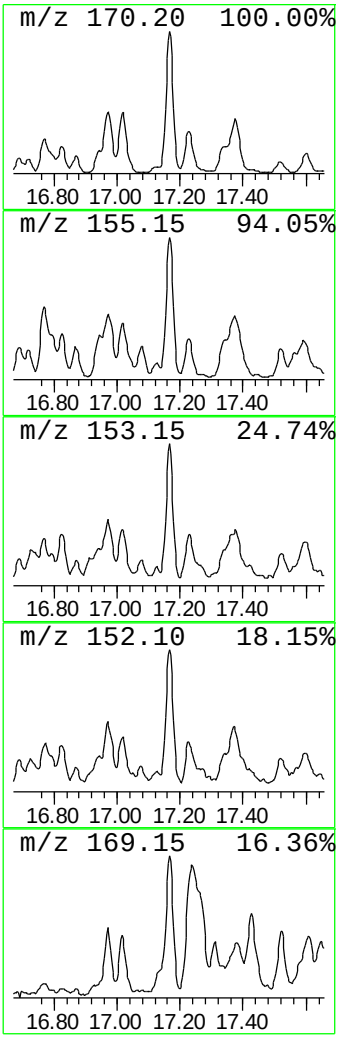
****

Peak Number 79 Naphthalene, 2,3,6-trimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	14.41 ug/L	536523	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y09ME

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

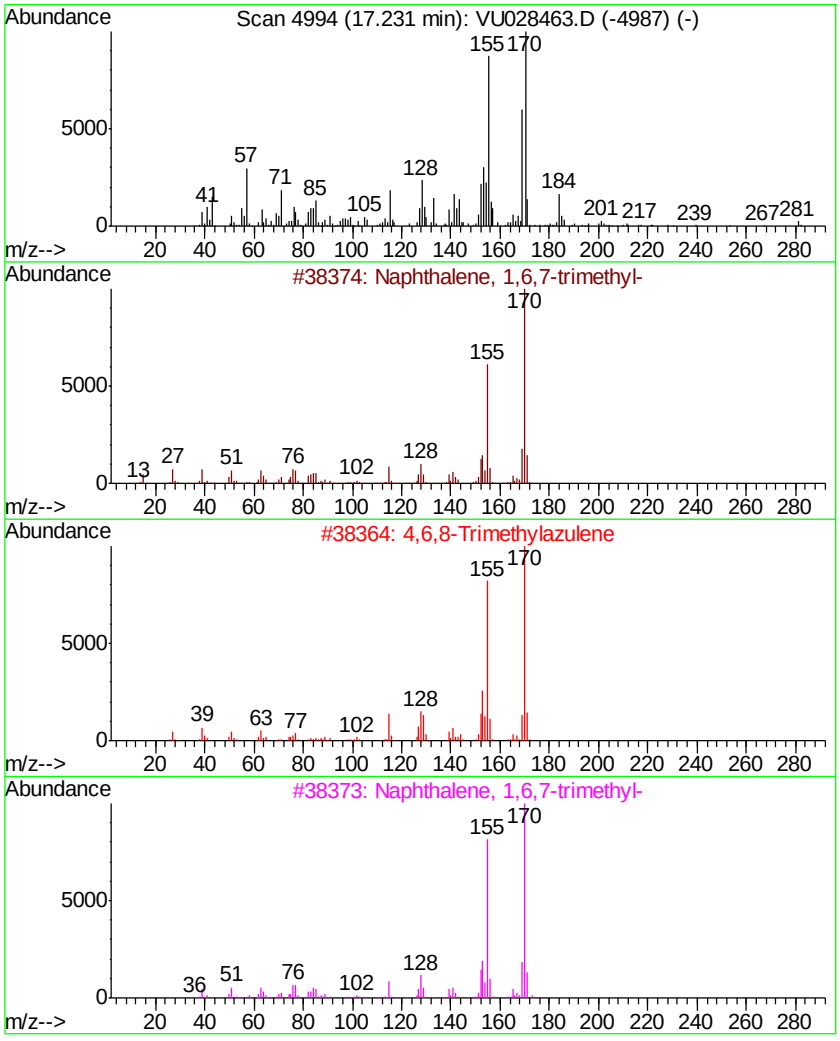
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

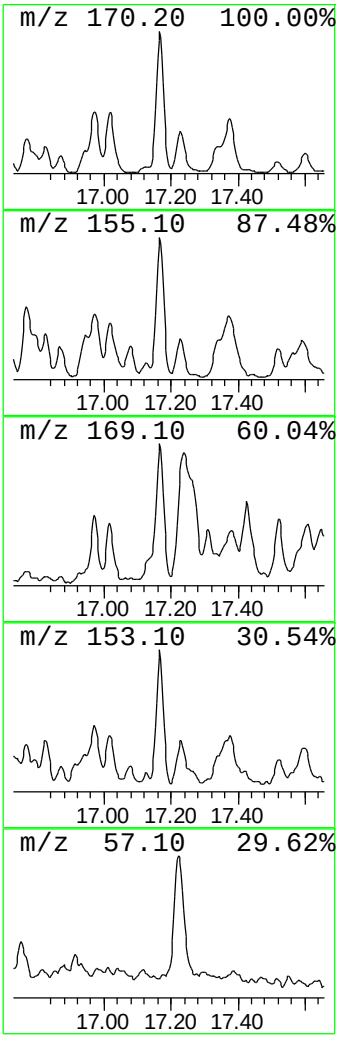
****

Peak Number 80 Naphthalene, 1,6,7-trimethyl- Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	7.01 ug/L	261006	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	92
2	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 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...	1.69	7.8	ug/L	229316	1	5.88	1468790	50.0
(DEL) Alkane: Str...	2.67	8.1	ug/L	238713	1	5.88	1468790	50.0
(DEL) Alkane: Str...	2.96	37.9	ug/L	1112890	1	5.88	1468790	50.0
(DEL) Alkane: Str...	5.07	19.8	ug/L	582798	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	5.24	25.2	ug/L	739735	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	5.47	68.3	ug/L	2007480	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	5.54	54.9	ug/L	1612880	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	5.61	90.3	ug/L	2653020	1	5.88	1468790	50.0
(DEL) Alkane: Str...	6.53	9.0	ug/L	263204	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	6.73	44.5	ug/L	1306060	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	6.90	54.1	ug/L	1588540	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	7.43	12.1	ug/L	356204	1	5.88	1468790	50.0
(DEL) Alkane: Cyc...	7.70	17.0	ug/L	639453	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	7.77	20.8	ug/L	781746	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	7.91	51.0	ug/L	1919140	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	8.04	14.7	ug/L	554685	2	9.09	1882290	50.0
Hexyl octyl ether	8.22	8.2	ug/L	308720	2	9.09	1882290	50.0
(DEL) Alkane: Str...	8.45	9.4	ug/L	355488	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	8.48	6.8	ug/L	256493	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	8.54	38.0	ug/L	1429770	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	8.60	57.4	ug/L	2161390	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	8.76	18.2	ug/L	684840	2	9.09	1882290	50.0
(DEL) Alkane: Str...	8.81	12.4	ug/L	467775	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	8.85	34.1	ug/L	1284460	2	9.09	1882290	50.0
(DEL) Alkane: Str...	9.02	9.0	ug/L	338824	2	9.09	1882290	50.0
Pentalene, octahy...	9.19	16.4	ug/L	616294	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	9.24	15.8	ug/L	595900	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	9.35	28.6	ug/L	1076070	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	9.40	29.5	ug/L	1110170	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	9.44	22.8	ug/L	856574	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	9.56	16.0	ug/L	603813	2	9.09	1882290	50.0
Sulfurous acid, c...	9.72	38.4	ug/L	1446380	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	9.82	10.9	ug/L	410311	2	9.09	1882290	50.0
unknown-01	9.95	87.7	ug/L	3301570	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	10.04	31.7	ug/L	1193080	2	9.09	1882290	50.0
(DEL) Alkane: Cyc...	10.09	44.1	ug/L	1659350	2	9.09	1882290	50.0
unknown-02	10.22	9.3	ug/L	350980	2	9.09	1882290	50.0
(DEL) Alkane: Str...	10.25	13.2	ug/L	496395	2	9.09	1882290	50.0
Pentalene, octahy...	10.38	10.6	ug/L	395476	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	10.49	49.1	ug/L	1829690	3	11.48	1861850	50.0
unknown-03	10.63	18.4	ug/L	684625	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	10.70	17.3	ug/L	644585	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	10.75	39.7	ug/L	1476850	3	11.48	1861850	50.0
unknown-04	10.81	18.6	ug/L	692924	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	10.86	5.3	ug/L	196344	3	11.48	1861850	50.0
(DEL) Alkane: Str...	10.97	7.3	ug/L	272777	3	11.48	1861850	50.0
unknown-05	11.07	7.2	ug/L	269477	3	11.48	1861850	50.0
(DEL) Alkane: Str...	11.12	28.4	ug/L	1055900	3	11.48	1861850	50.0
(DEL) Alkane: Str...	11.33	25.2	ug/L	938157	3	11.48	1861850	50.0

(DEL) Alkane: Cyc...	11.40	26.8	ug/L	998515	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	11.66	12.2	ug/L	455841	3	11.48	1861850	50.0
unknown-06	11.78	17.1	ug/L	635058	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	12.18	23.3	ug/L	866704	3	11.48	1861850	50.0
Indan, 1-methyl-	12.36	31.6	ug/L	1175380	3	11.48	1861850	50.0
Cyclohexene, 1-pe...	12.44	11.1	ug/L	412282	3	11.48	1861850	50.0
trans-Decalin, 2-...	12.51	45.4	ug/L	1689100	3	11.48	1861850	50.0
(DEL) Alkane: Str...	12.61	52.1	ug/L	1938830	3	11.48	1861850	50.0
1-Methyldecahydro...	12.72	30.2	ug/L	1124520	3	11.48	1861850	50.0
Benzene, 1-methyl...	12.79	11.9	ug/L	443536	3	11.48	1861850	50.0
3,4-Dimethylcumene	12.88	12.9	ug/L	480314	3	11.48	1861850	50.0
Benzene, 1,2,4,5-...	13.12	85.8	ug/L	3193260	3	11.48	1861850	50.0
(DEL) Alkane: Str...	13.28	36.5	ug/L	1358000	3	11.48	1861850	50.0
Benzene, (1,2-dim...	13.41	12.3	ug/L	456245	3	11.48	1861850	50.0
1H-Indene, 2,3-di...	13.45	10.3	ug/L	381757	3	11.48	1861850	50.0
Benzene, (2-chlor...	13.51	20.2	ug/L	751942	3	11.48	1861850	50.0
(DEL) Alkane: Cyc...	13.73	35.1	ug/L	1308920	3	11.48	1861850	50.0
Benzene, 1-ethyl-...	13.79	31.7	ug/L	1180680	3	11.48	1861850	50.0
(DEL) Alkane: Str...	13.88	8.6	ug/L	321492	3	11.48	1861850	50.0
Naphthalene, 1,2,...	14.34	41.9	ug/L	1559420	3	11.48	1861850	50.0
2-Propenal, 3-(4-...	14.68	22.7	ug/L	845002	3	11.48	1861850	50.0
Naphthalene, 1,2,...	15.01	7.3	ug/L	271026	3	11.48	1861850	50.0
D-Alanine, N-(4-e...	15.54	9.2	ug/L	341430	3	11.48	1861850	50.0
(DEL) Alkane: Str...	15.66	11.3	ug/L	421001	3	11.48	1861850	50.0
Naphthalene, 1,5-...	15.91	33.3	ug/L	1240410	3	11.48	1861850	50.0
1-(3-Methylbutyl)...	16.10	35.0	ug/L	1302340	3	11.48	1861850	50.0
Naphthalene, 2,3,...	17.17	14.4	ug/L	536523	3	11.48	1861850	50.0
Naphthalene, 1,6,...	17.23	7.0	ug/L	261006	3	11.48	1861850	50.0

Instrument :
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ClientSampleId :
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