LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

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\SOMULM091919WMA.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	1.283	56	60	67	rBV	13688	14642	0.19%	0.011%
2	1.386	85	92	107	rVB	251808	305448	4.01%	0.230%
3	1.630	128	168	179	rBV	441966	1418173	18.62%	1.068%
4	2.222	342	352	365	rVB	542797	817877	10.74%	0.616%
5	2.431	413	417	422	rBV4	1421	1419	0.02%	0.001%
6	2.611	470	473	479	rVB5	2115	2080	0.03%	0.002%
7	2.669	486	491	499	rVB5	5267	7477	0.10%	0.006%
8	2.810	523	535	547	rBV	39322	91355	1.20%	0.069%
9	3.035	603	605	613	rVB7	1329	1464	0.02%	0.001%
10	3.254	670	673	682	rVB8	2040	2623	0.03%	0.002%
11	3.447	726	733	737	rVV8	1303	1511	0.02%	0.001%
12	3.521	752	756	762	rBV5	1341	1515	0.02%	0.001%
13	3.952	888	890	895	rVB5	1739	1400	0.02%	0.001%
14	4.042	906	918	919	rBV6	3494	5099	0.07%	0.004%
15	4.167	941	957	997	rBV	201214	695443	9.13%	0.524%
16	4.617	1078	1097	1124	rBV	373698	918479	12.06%	0.692%
17	4.743	1134	1136	1142	rBV6	1500	1696	0.02%	0.001%
18	4.791	1149	1151	1156	rBV4	2052	1979	0.03%	0.001%
19	4.842	1161	1167	1170	rBV6	2206	2487	0.03%	0.002%
20	4.952	1189	1201	1216	rVB6	22910	55879	0.73%	0.042%
21	5.035	1216	1227	1229	rBV8	7524	9591	0.13%	0.007%
22	5.103	1242	1248	1253	rVB9	2184	2163	0.03%	0.002%
23	5.186	1261	1274	1289	rVV3	22483	56722	0.74%	0.043%
24	5.305	1289	1311	1342	rVV2	844699	2419082	31.77%	1.822%
25	5.424	1344	1348	1349	rBV5	3503	2539	0.03%	0.002%
26	5.444	1349	1354	1362	rVB6	8773	13710	0.18%	0.010%
27	5.588	1389	1399	1414	rVB7	20476	48470	0.64%	0.037%
28	5.752	1431	1450	1468	rBV3	50997	111487	1.46%	0.084%
29	5.858	1469	1483	1505	rBV2	591918	1222967	16.06%	0.921%
30	6.305	1609	1622	1635	rBV	543295	1139030	14.96%	0.858%
31	6.450	1661	1667	1674	rVB5	13895	20559	0.27%	0.015%
32	6.505	1677	1684	1695	rVB4	28457	51421	0.68%	0.039%
33	6.611	1707	1717	1729	rVB3	33283	62475	0.82%	0.047%
34	6.707	1734	1747	1761	rVB4	53150	116001	1.52%	0.087%

LSC Area Percent Report

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Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

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\SOMULM091919WMA.M
Title : VOC Analysis

35	6.878	1785	1800	1820	rVB5	54844	147888	1.94%	0.111%
36	7.019	1834	1844	1853	rBV7	13500	29811	0.39%	0.022%
37	7.080	1854	1863	1870	rBV3	41841	71852	0.94%	0.054%
38	7.154	1878	1886	1893	rBV	163218	259267	3.40%	0.195%
39	7.202	1893	1901	1917	rVB3	344682	678733	8.91%	0.511%
40	7.315	1928	1936	1957	rVB2	167798	360653	4.74%	0.272%
41	7.418	1958	1968	1977	rVB4	35756	70697	0.93%	0.053%
42	7.501	1981	1994	1998	rBV4	344874	573410	7.53%	0.432%
43	7.543	1999	2007	2025	rVB	1186480	2180033	28.63%	1.642%
44	7.678	2037	2049	2057	rBV4	111424	230694	3.03%	0.174%
45	7.794	2077	2085	2092	rBV	536266	831998	10.93%	0.627%
46	7.890	2107	2115	2134	rVB2	276547	510322	6.70%	0.384%
47	8.022	2136	2156	2167	rBV	209393	400083	5.25%	0.301%
48	8.083	2168	2175	2178	rBV4	15968	22428	0.29%	0.017%
49	8.202	2203	2212	2223	rVB3	107987	185790	2.44%	0.140%
50	8.305	2226	2244	2268	rBV	1139413	2225682	29.23%	1.677%
51	8.431	2275	2283	2286	rBV2	136234	190015	2.50%	0.143%
52	8.521	2303	2311	2320	rVB	434128	718363	9.43%	0.541%
53	8.582	2320	2330	2339	rBV	499472	886971	11.65%	0.668%
54	8.733	2368	2377	2386	rBV3	118872	198168	2.60%	0.149%
55	8.791	2386	2395	2400	rBV2	233207	376618	4.95%	0.284%
56	8.887	2418	2425	2437	rVB2	654112	1092014	14.34%	0.823%
57	8.955	2438	2446	2452	rBV3	37616	57817	0.76%	0.044%
58	9.009	2452	2463	2472	rBV	574100	971426	12.76%	0.732%
59	9.070	2473	2482	2496	rVV	859376	1483919	19.49%	1.118%
60	9.228	2520	2531	2544	rBV3	444791	867338	11.39%	0.653%
61	9.421	2584	2591	2618	rVB	2007516	3274566	43.00%	2.467%
62	9.543	2619	2629	2640	rBV3	141952	254207	3.34%	0.191%
63	9.694	2663	2676	2686	rBV3	680665	1418419	18.63%	1.068%
64	9.929	2732	2749	2759	rBV3	962815	1844893	24.23%	1.390%
65	10.022	2770	2778	2786	rBV5	681494	1184771	15.56%	0.892%
66	10.144	2807	2816	2825	rVB	460604	796636	10.46%	0.600%
67	10.418	2889	2901	2911	rBV2	1049539	2609646	34.27%	1.966%
68	10.566	2940	2947	2955	rBV	544411	805039	10.57%	0.606%
69	10.662	2969	2977	2991	rBV	1323827	3067176	40.28%	2.310%
70	10.733	2992	2999	3009	rVV3	714526	1788307	23.48%	1.347%
71	10.791	3010	3017	3028	rVB	3617718	5223541	68.60%	3.935%

LSC Area Percent Report

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Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

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\SOMULM091919WMA.M
Title : VOC Analysis

72	10.951	3058	3067	3075	rBV	1250028	2130998	27.98%	1.605%
73	11.093	3104	3111	3116	rBV	999333	1466829	19.26%	1.105%
74	11.125	3117	3121	3133	rVB	1213433	1756546	23.07%	1.323%
75	11.376	3192	3199	3204	rBV3	768015	1187976	15.60%	0.895%
76	11.459	3217	3225	3233	rBV3	1380540	2046161	26.87%	1.541%
77	11.549	3247	3253	3259	rBV	786511	1004534	13.19%	0.757%
78	11.588	3260	3265	3275	rVB	786678	1058965	13.91%	0.798%
79	11.678	3288	3293	3305	rVB3	865419	1238256	16.26%	0.933%
80	11.755	3308	3317	3321	rBV3	723705	1231593	16.17%	0.928%
81	11.839	3334	3343	3361	rVB7	2879380	6515891	85.57%	4.908%
82	12.003	3386	3394	3401	rBV	4283750	6138194	80.61%	4.624%
83	12.125	3425	3432	3436	rBV	782166	1139222	14.96%	0.858%
84	12.337	3490	3498	3503	rBV2	955865	1531414	20.11%	1.154%
85	12.472	3532	3540	3551	rBV3	1283114	2778493	36.49%	2.093%
86	12.591	3568	3577	3582	rBV4	1217209	1994062	26.19%	1.502%
87	12.681	3598	3605	3613	rBV2	1315184	2413693	31.70%	1.818%
88	12.768	3625	3632	3637	rBV2	918017	1401298	18.40%	1.056%
89	13.012	3701	3708	3716	rBV3	933934	1451015	19.06%	1.093%
90	13.102	3729	3736	3751	rBV3	4926322	7614824	100.00%	5.736%
91	13.263	3778	3786	3794	rBV5	2380727	3936327	51.69%	2.965%
92	13.434	3833	3839	3847	rVB3	1161696	1667144	21.89%	1.256%
93	13.488	3848	3856	3862	rBV3	1505528	2388690	31.37%	1.799%
94	13.765	3936	3942	3953	rBV3	1099565	1726925	22.68%	1.301%
95	13.835	3956	3964	3971	rBV2	2339162	4039382	53.05%	3.043%
96	13.929	3986	3993	4003	rBV3	2351672	3998859	52.51%	3.012%
97	14.122	4046	4053	4069	rBV3	3113384	5145166	67.57%	3.876%
98	14.327	4106	4117	4128	rVB4	3829266	7413717	97.36%	5.585%
99	14.655	4213	4219	4229	rBV2	1915161	2901584	38.10%	2.186%
100	14.842	4271	4277	4292	rVB5	3306526	5920993	77.76%	4.460%

Sum of corrected areas: 132752205

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
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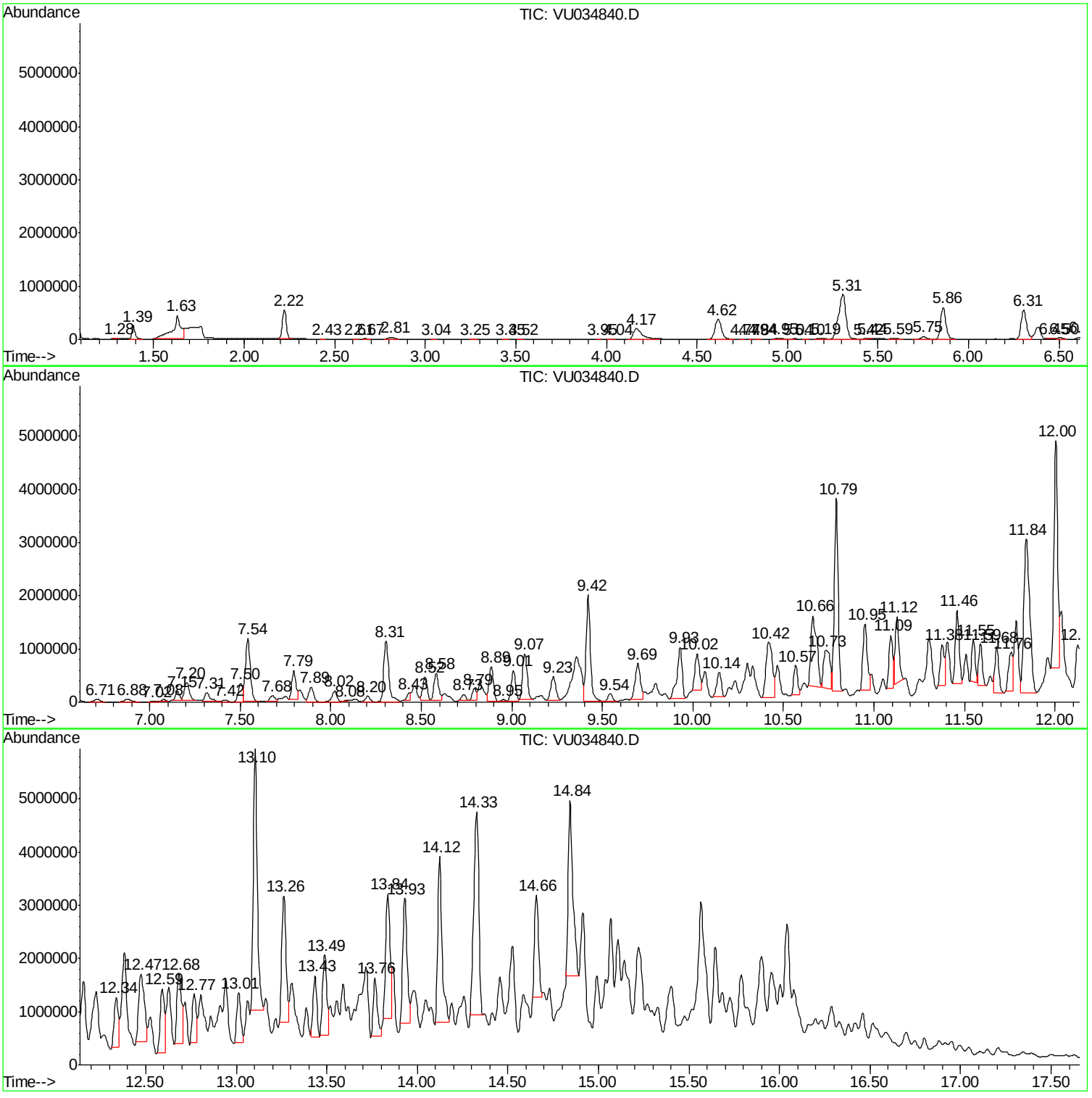
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

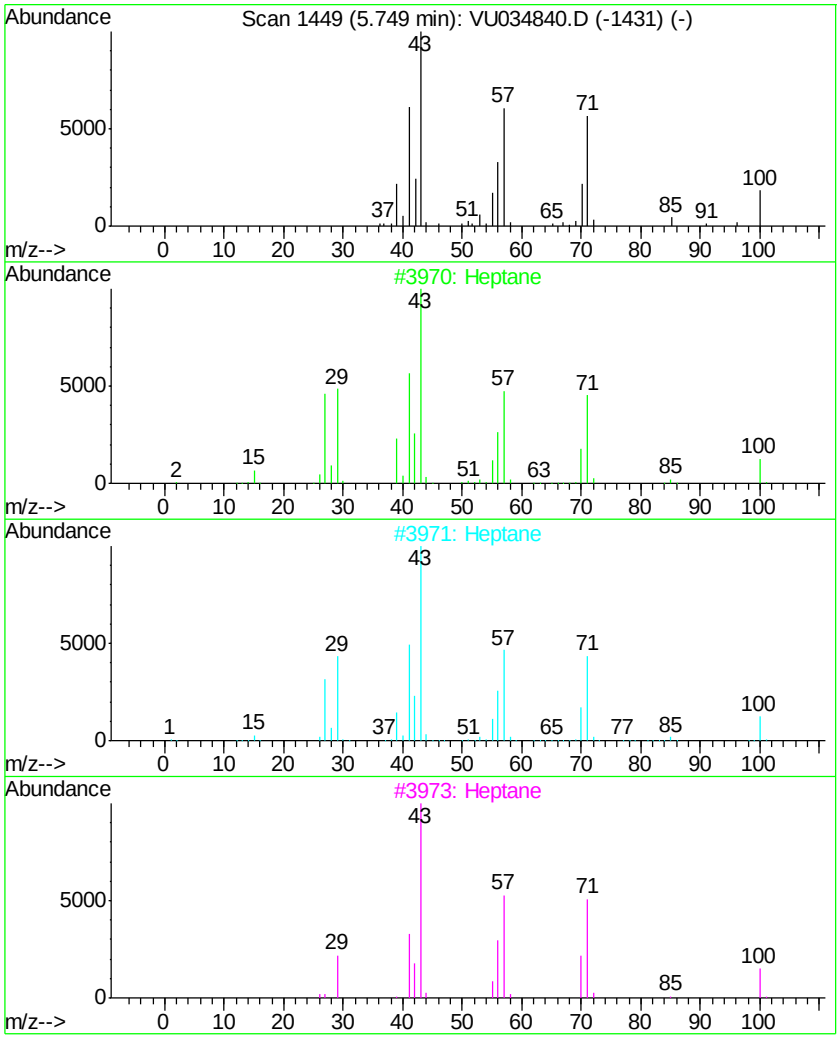
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

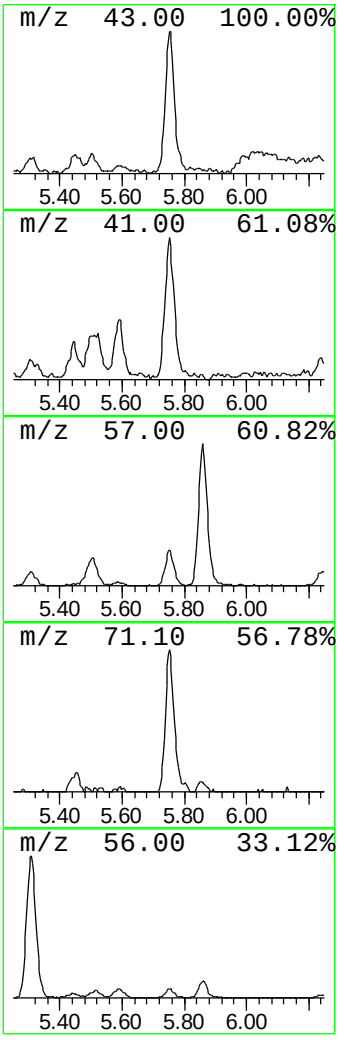
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	4.56 ug/L	111487	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	90
4	Heptane	100	C7H16	000142-82-5	81
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

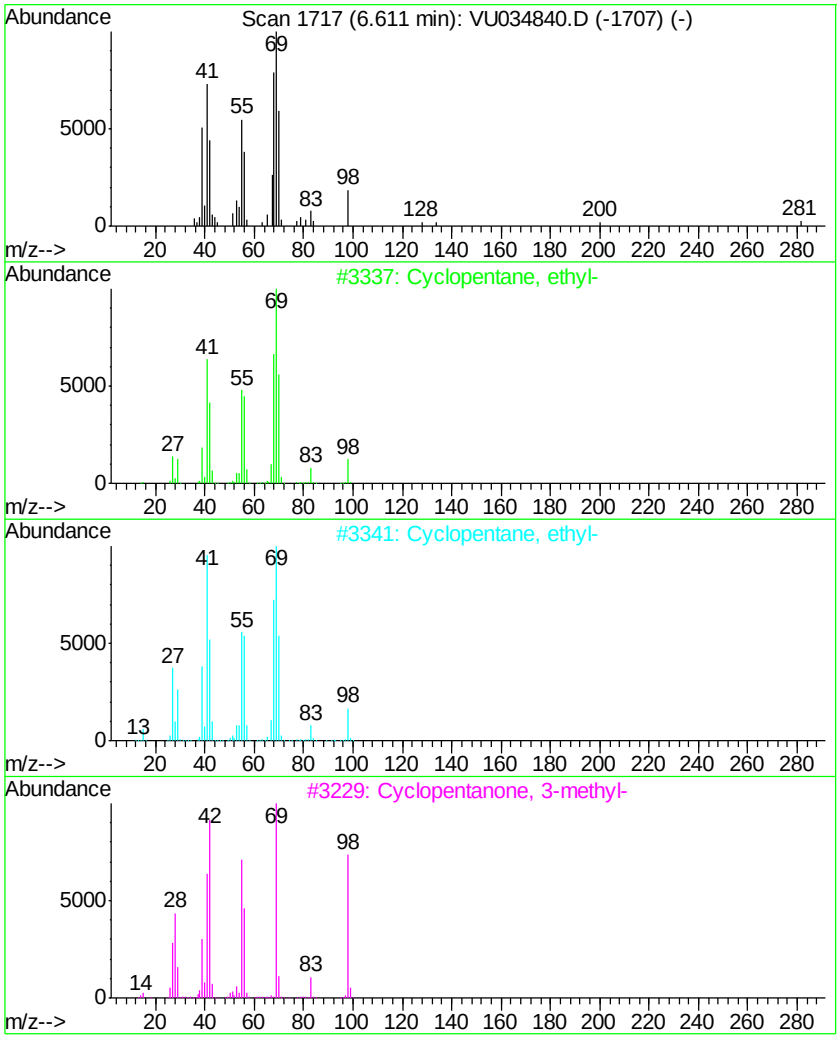
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

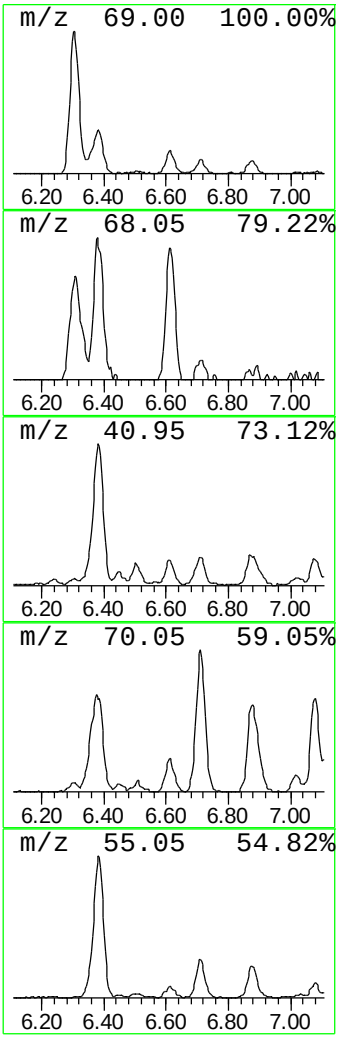
****

Peak Number 3 (DEL) Alkane: Cyclic6.61 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	2.55 ug/L	62475	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	80
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	68
3	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	38
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38





Library Search Compound Report

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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

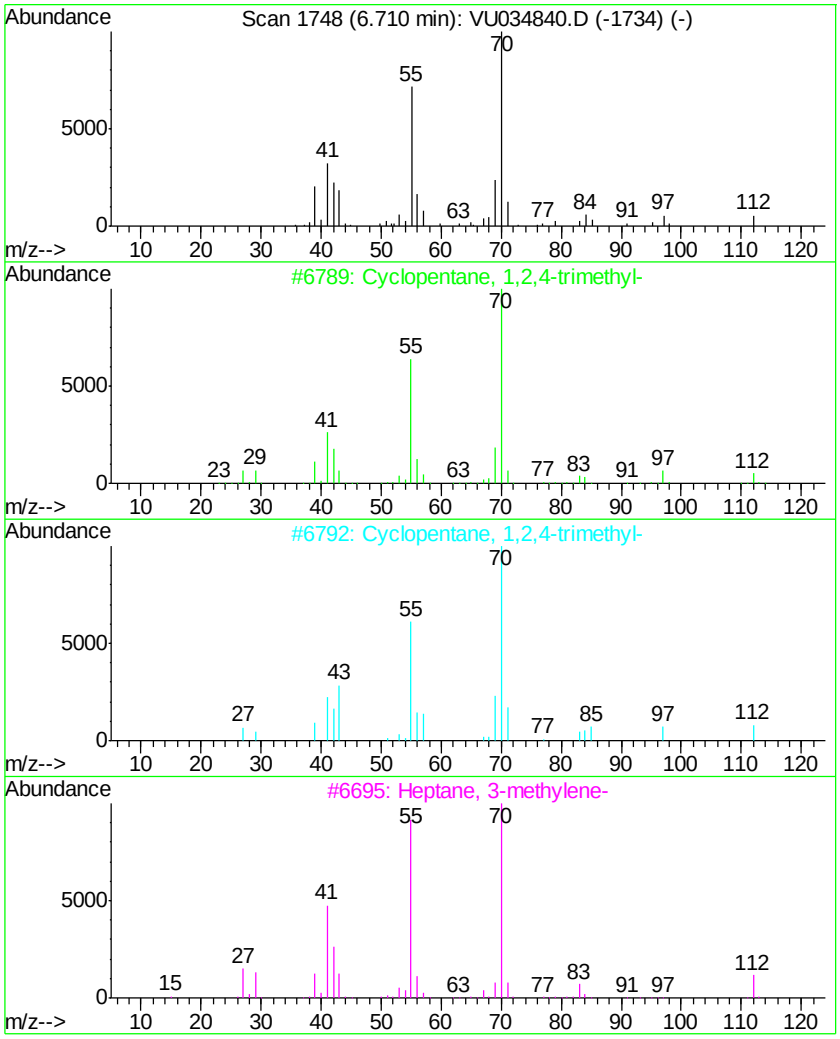
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

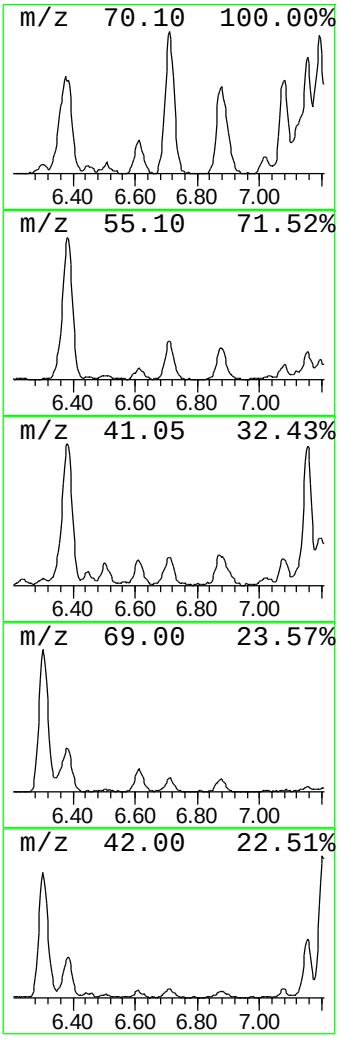
****

Peak Number 4 (DEL) Alkane: Cyclic6.71 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	4.74 ug/L	116001	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	86
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80





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Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

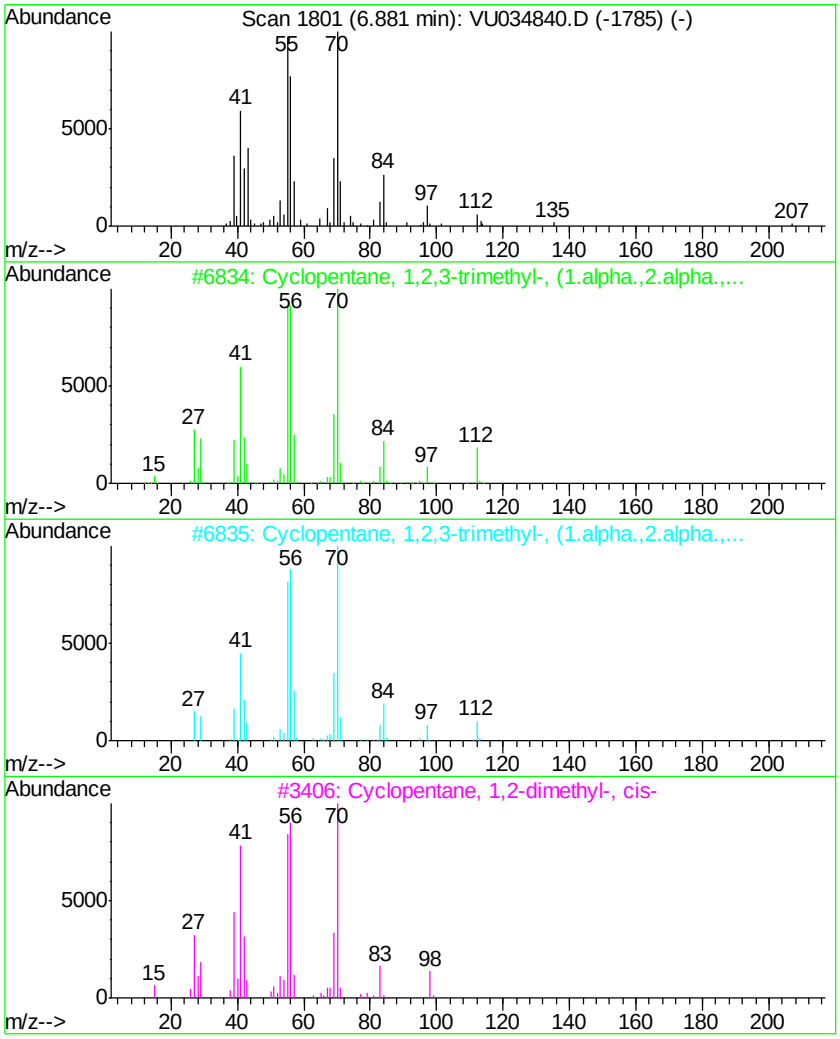
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

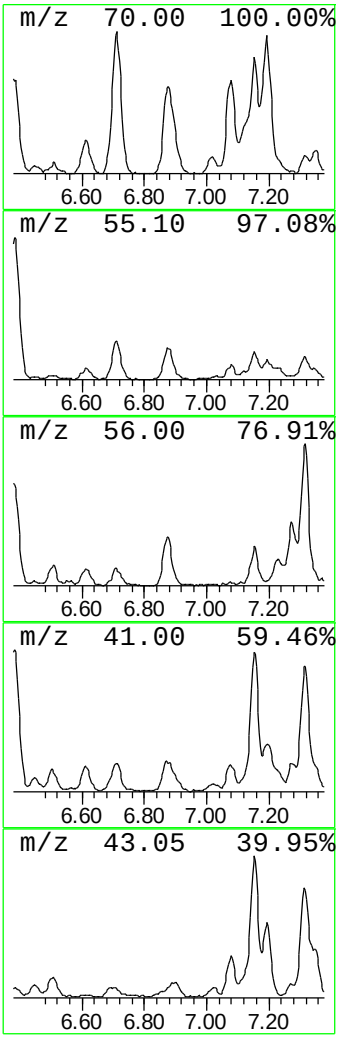
****

Peak Number 5 (DEL) Alkane: Cyclic6.88 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	6.05 ug/L	147888	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	78
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

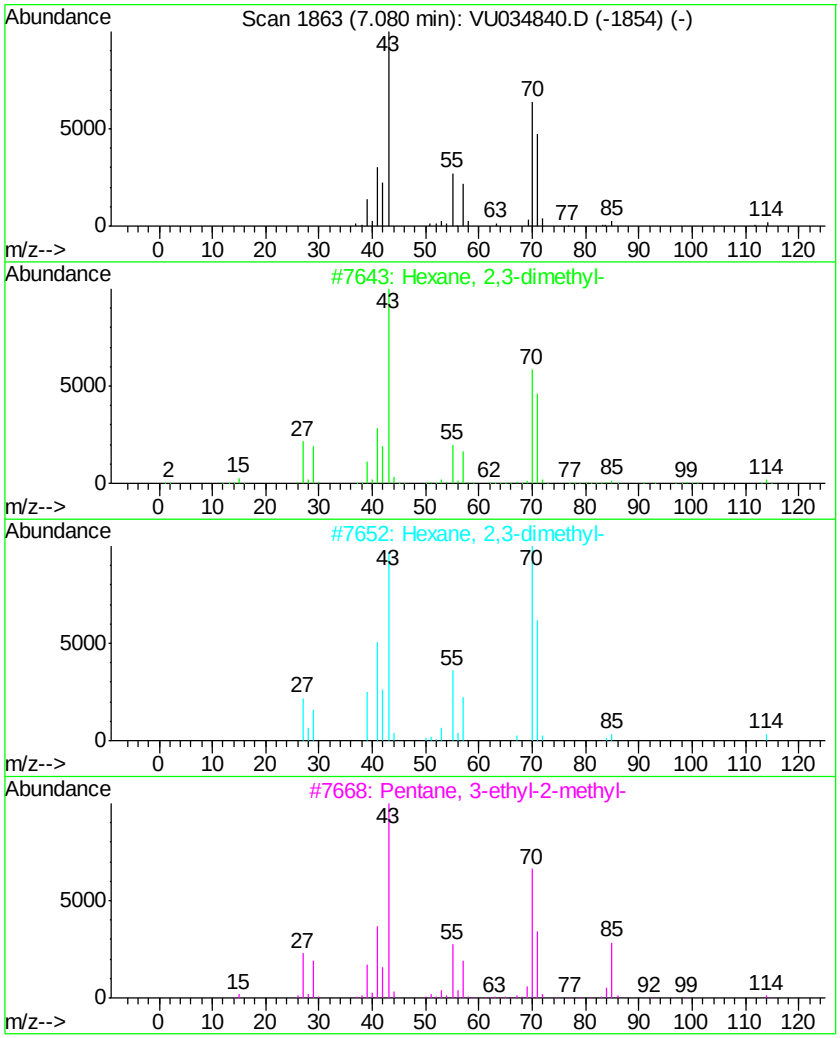
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

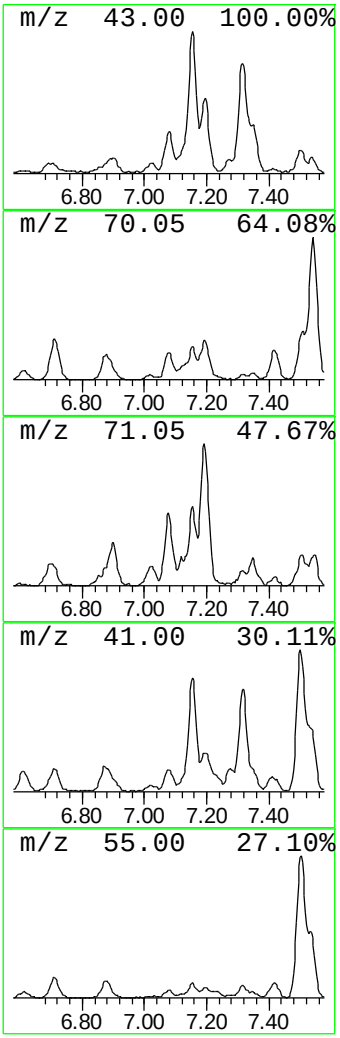
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	2.94 ug/L	71852	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	90
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	83
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
5	Pyrrolidine	71	C4H9N	000123-75-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

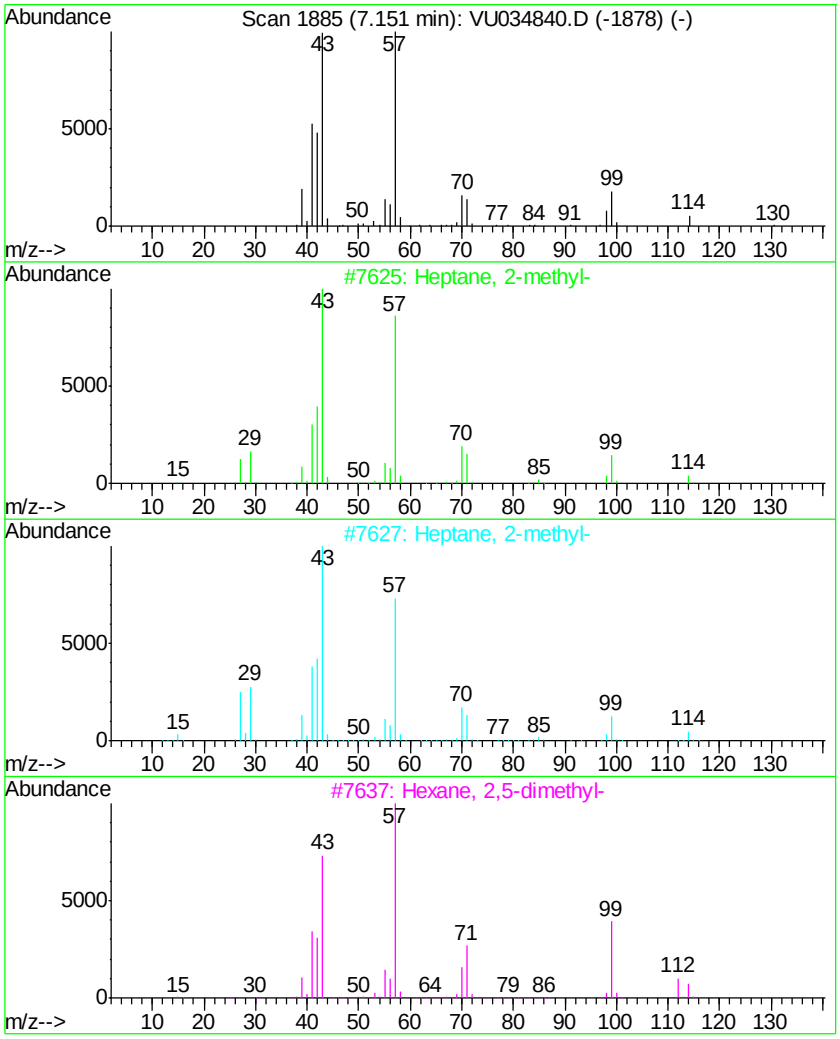
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

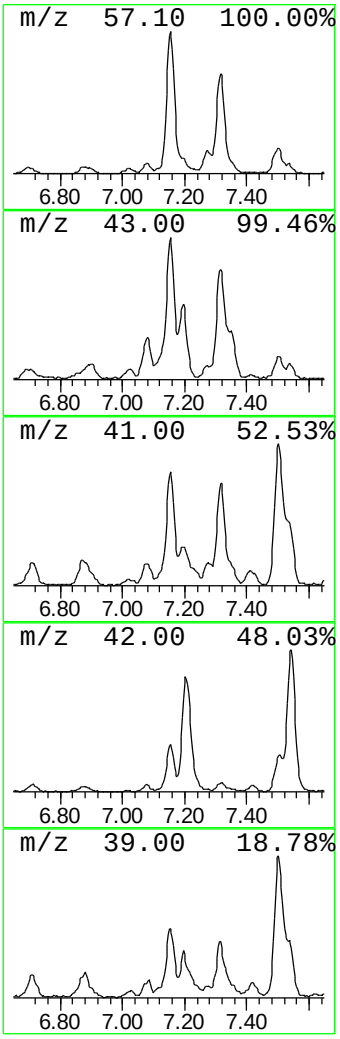
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	10.60 ug/L	259267	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

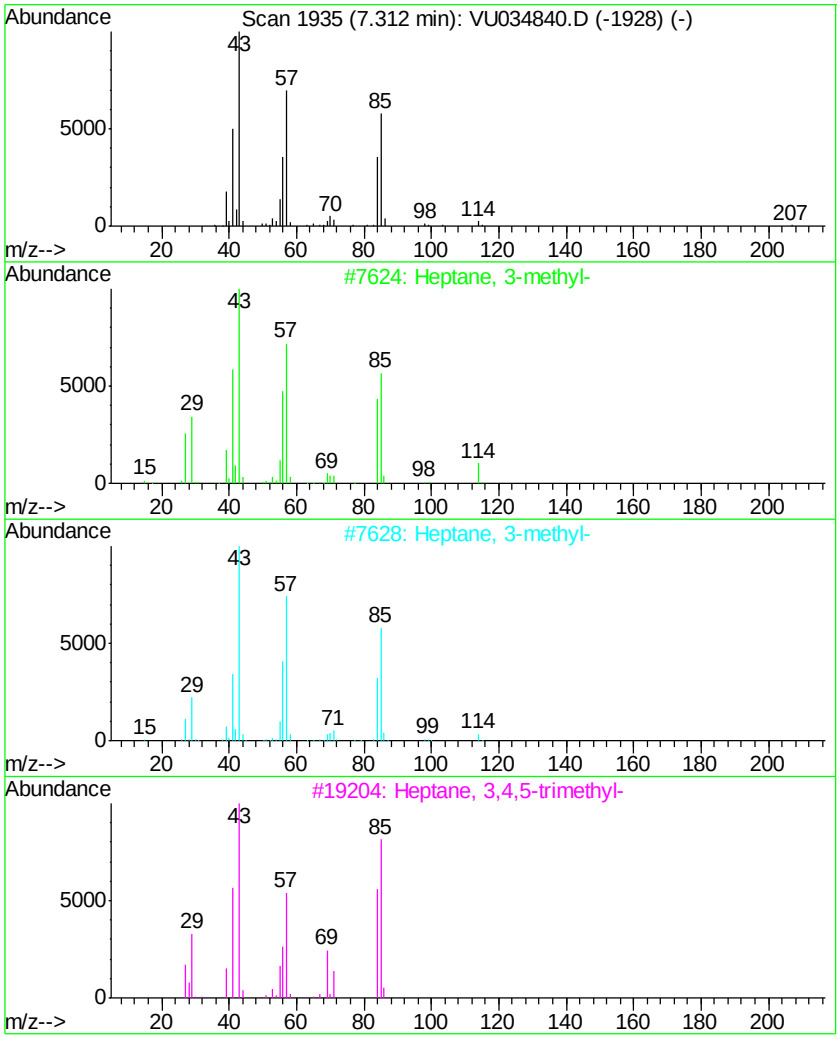
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

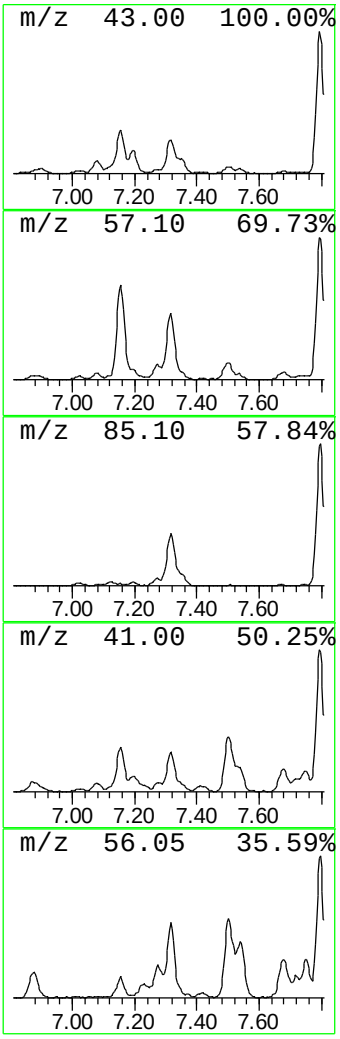
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	14.75 ug/L	360653	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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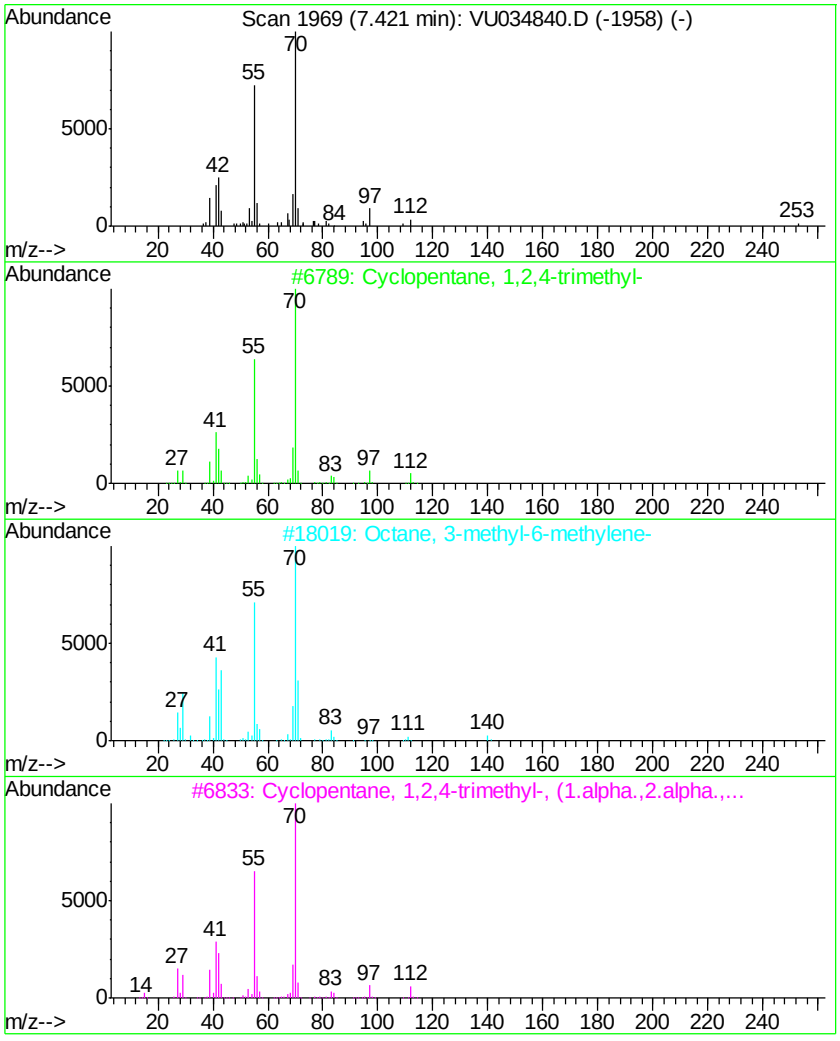
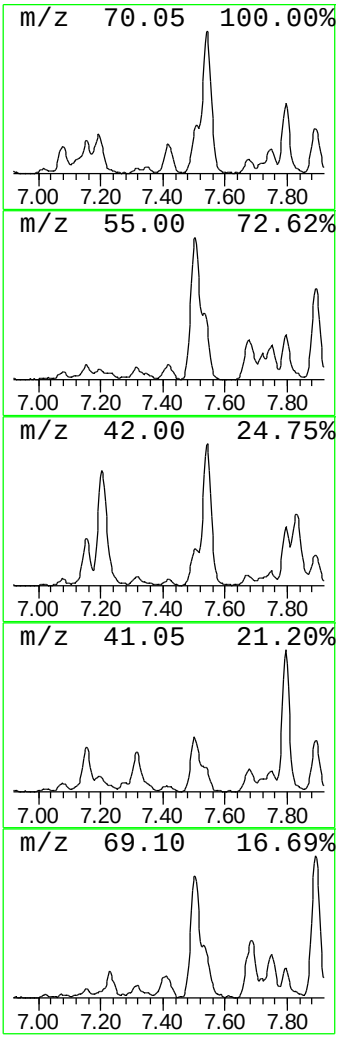
Peak Number 10 (DEL) Alkane: Cyclic7.42 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	2.89 ug/L	70697	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
2	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	78
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	78
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	72
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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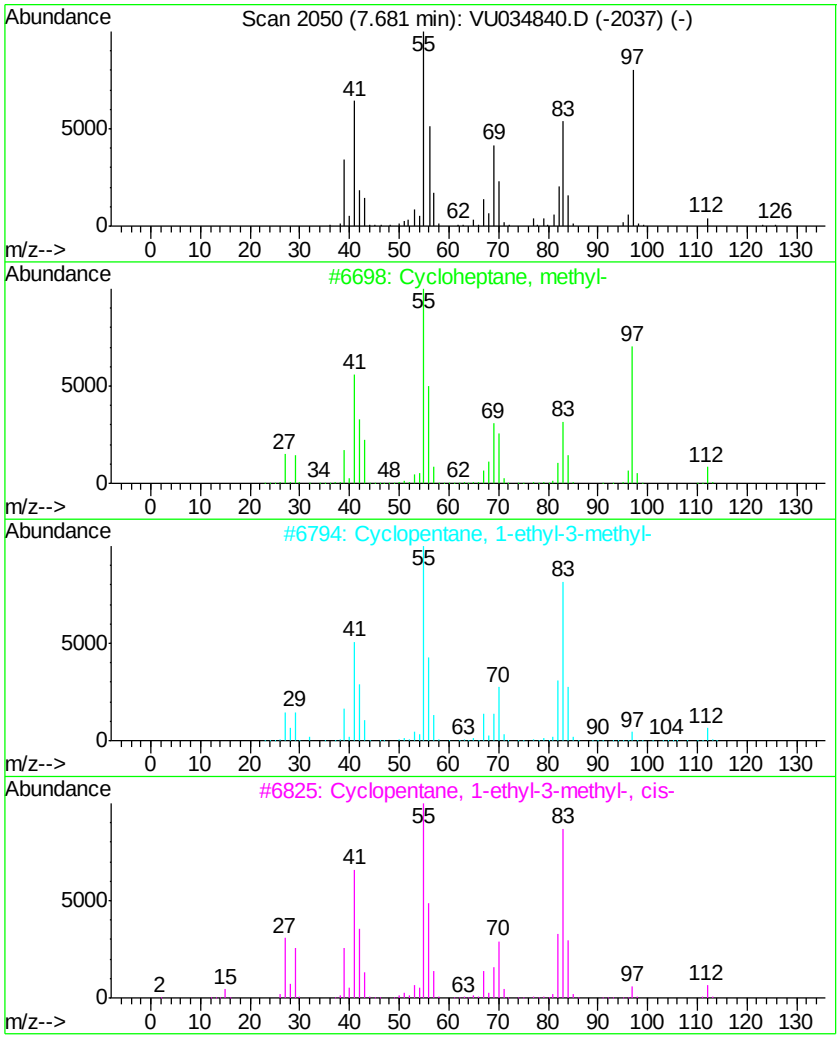
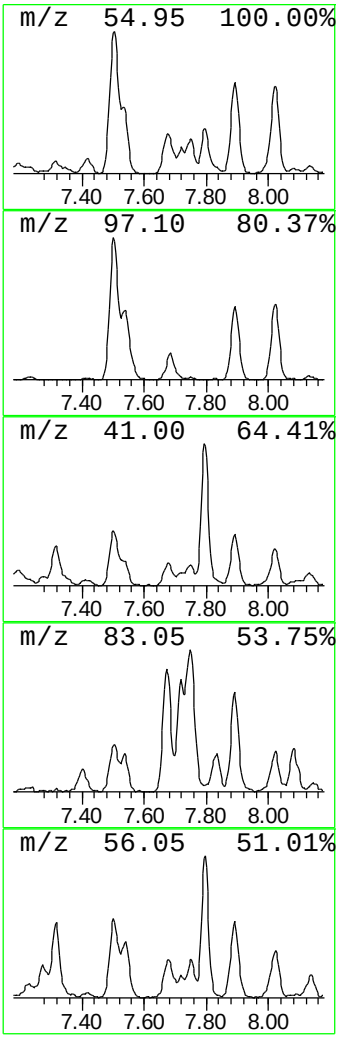
Peak Number 11 (DEL) Alkane: Cyclic7.68 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	7.77 ug/L	230694	Chlorobenzene-d5	9.07

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	70
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	64
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	52
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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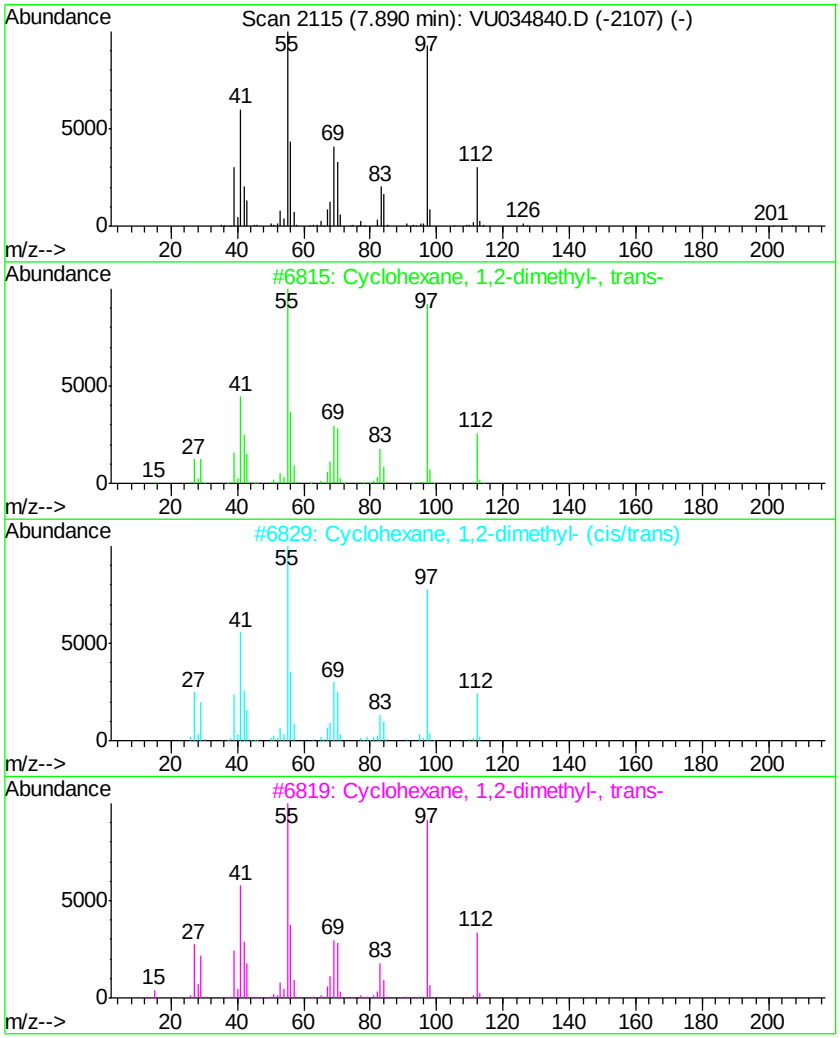
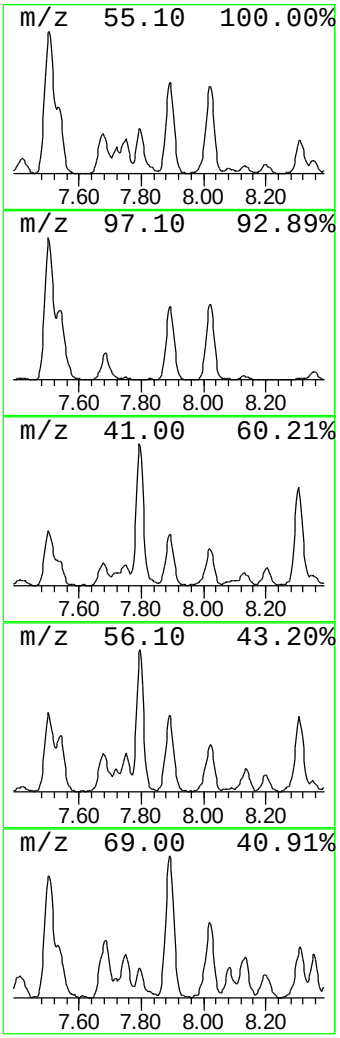
Peak Number 12 (DEL) Alkane: Cyclic7.89 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	17.20 ug/L	510322	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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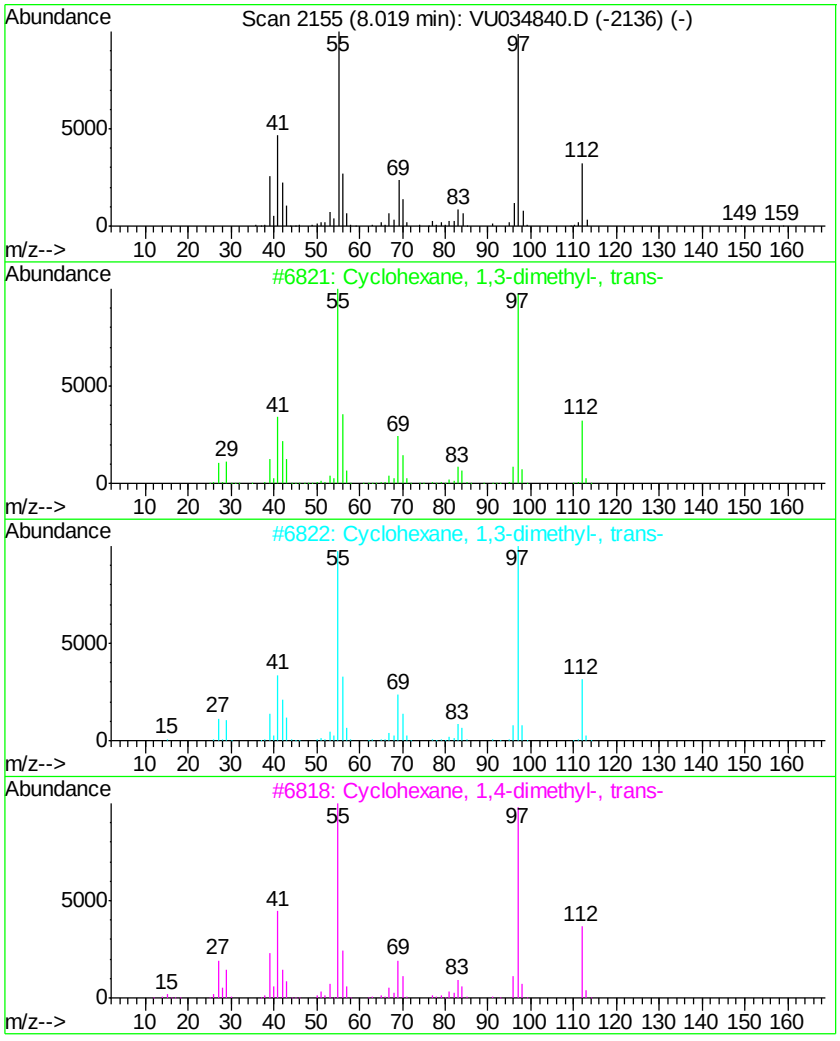
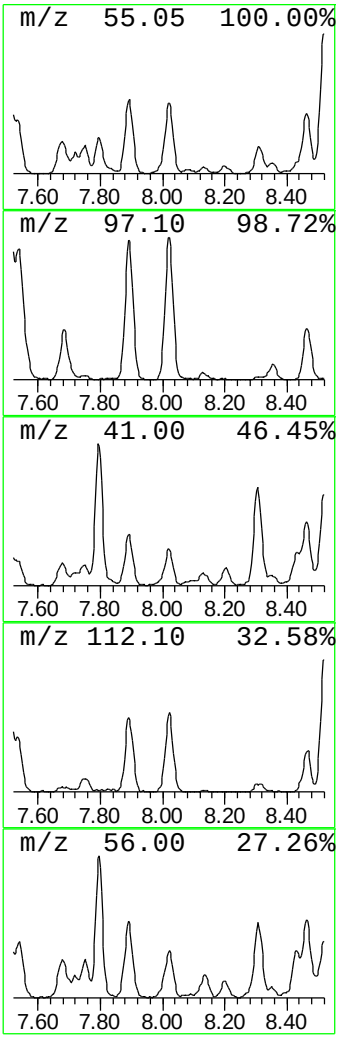
Peak Number 13 (DEL) Alkane: Cyclic8.02 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	13.48 ug/L	400083	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

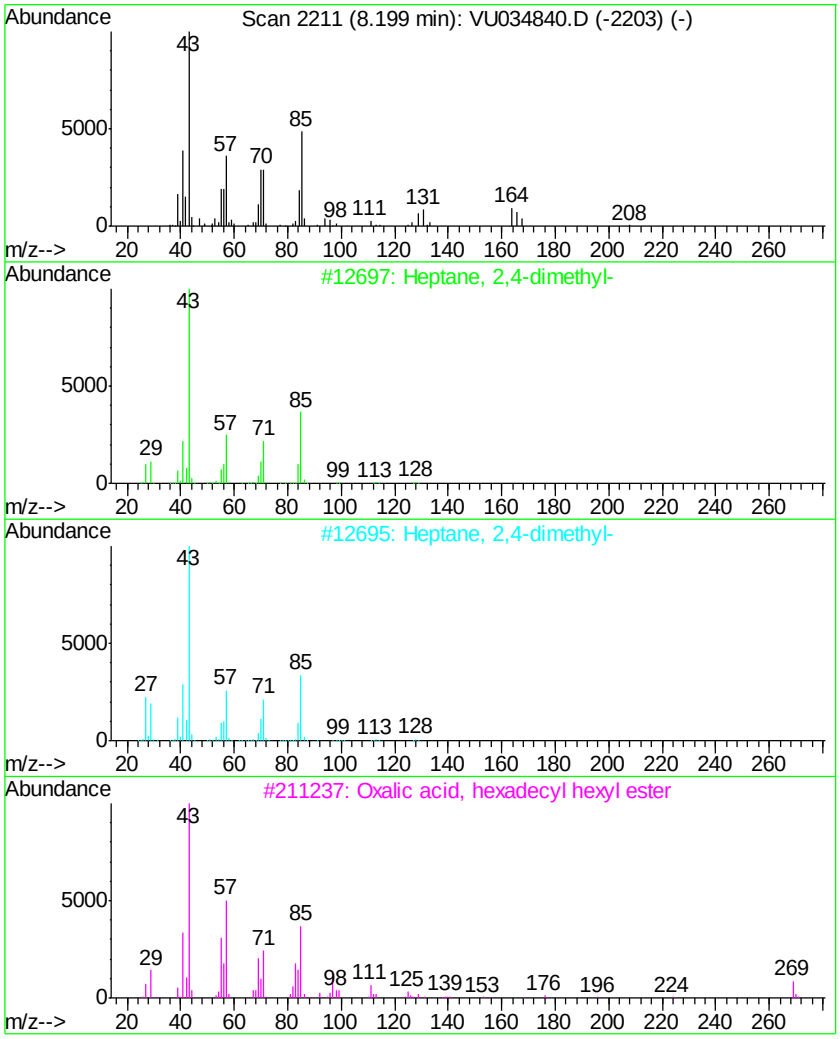
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

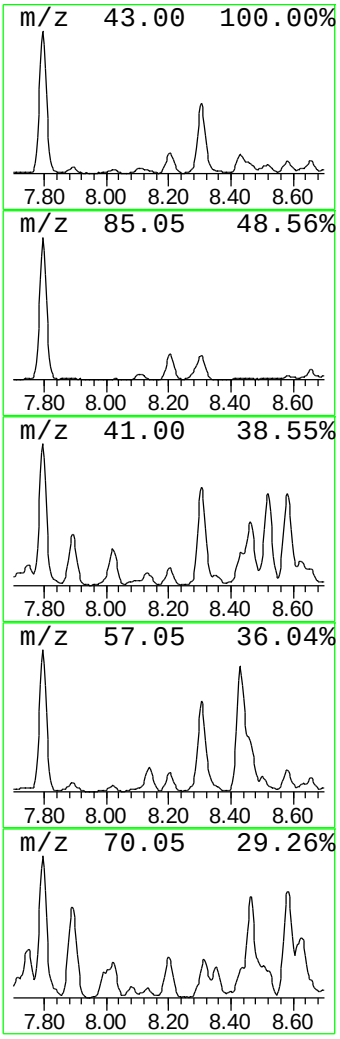
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	6.26 ug/L	185790	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	55
3	Oxalic acid, hexadecyl hexyl ester	398	C24H46O4	1000309-25-0	50
4	Octane, 4-methyl-	128	C9H20	002216-34-4	46
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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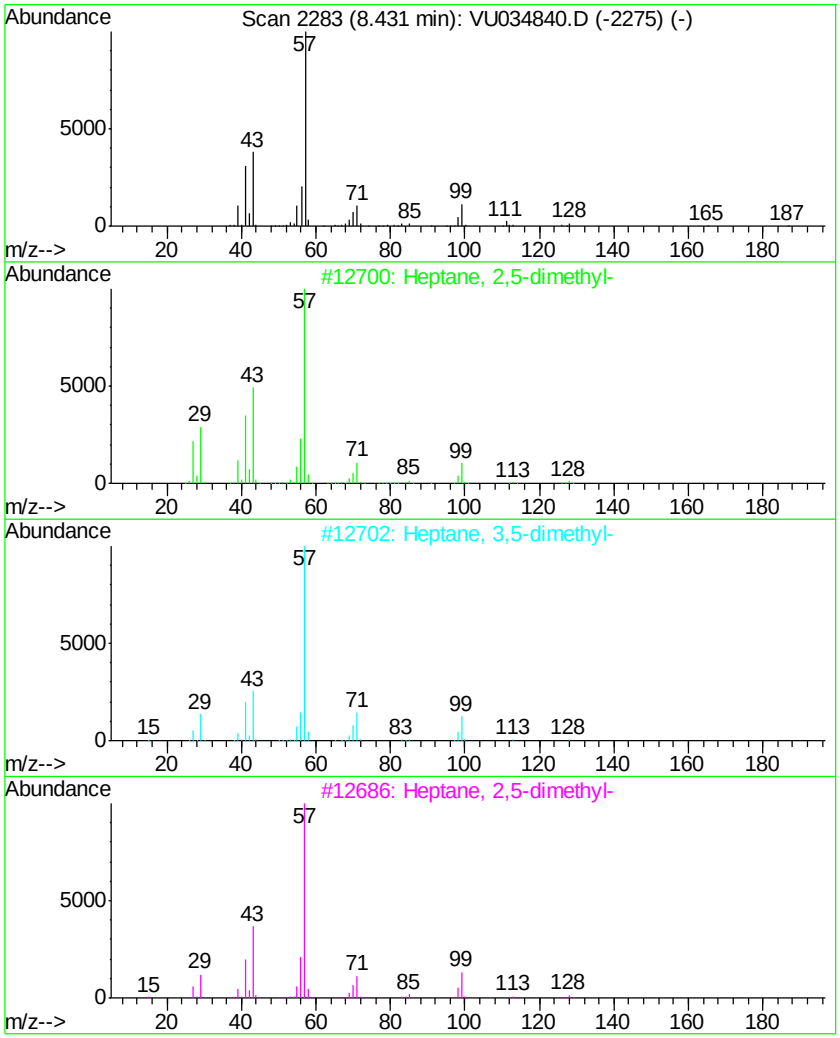
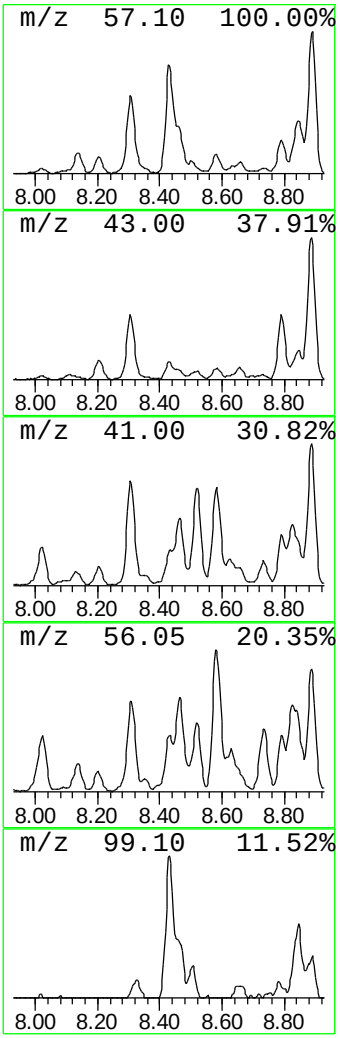
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	6.40 ug/L	190015	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5	Octane, 3-methyl-	128	C9H20	002216-33-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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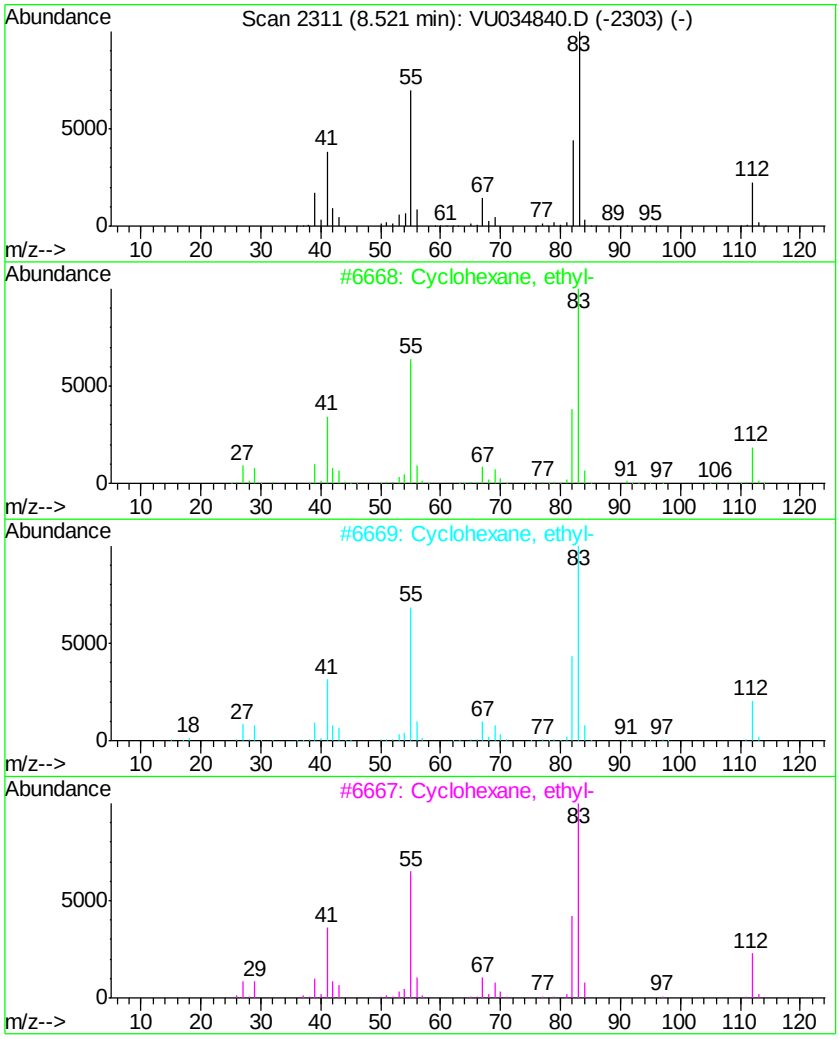
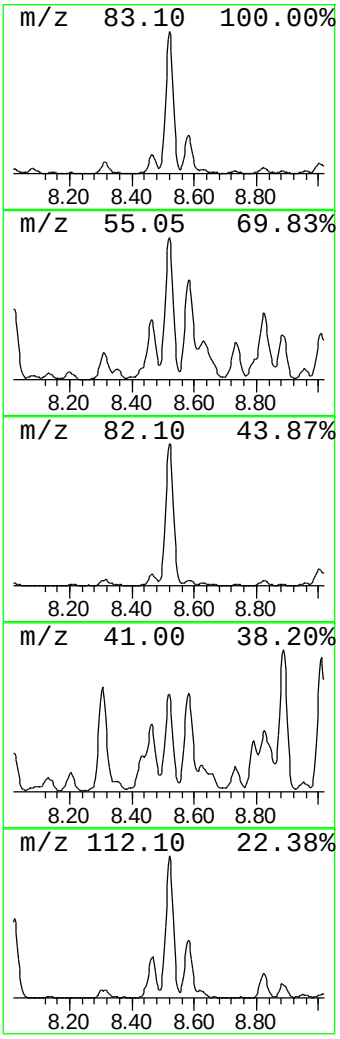
Peak Number 16 (DEL) Alkane: Cyclic8.52 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	24.20 ug/L	718363	Chlorobenzene-d5	9.07

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	91
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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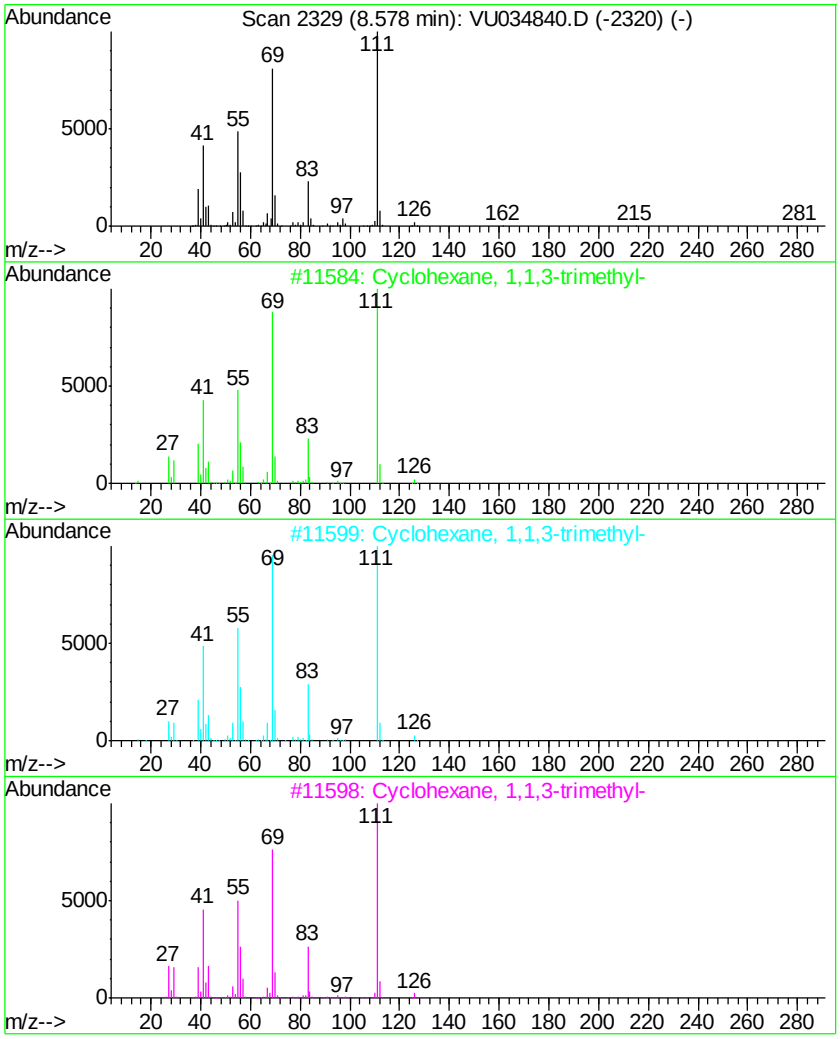
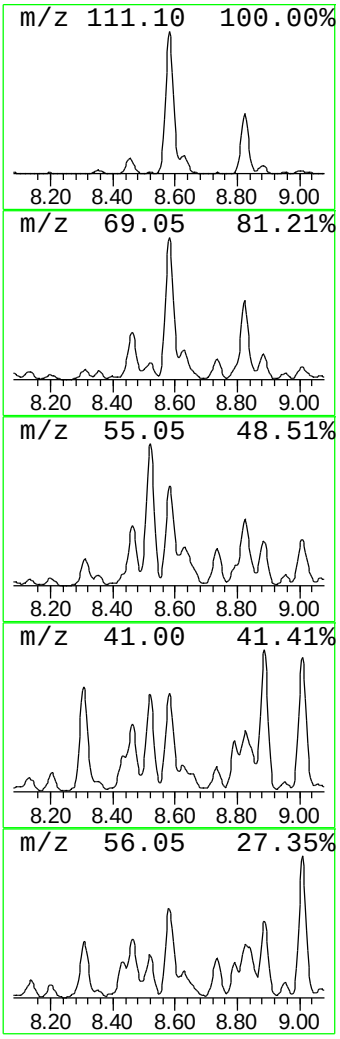
Peak Number 17 (DEL) Alkane: Cyclic8.58 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	29.89 ug/L	886971	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	97
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	97
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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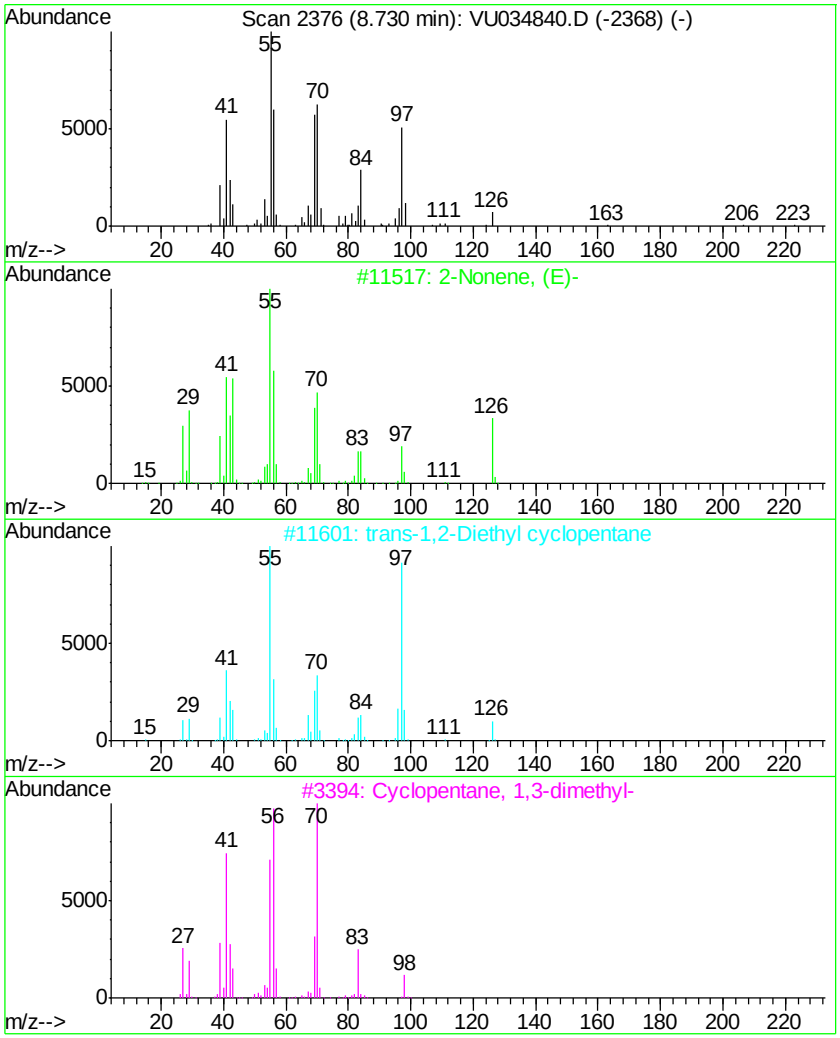
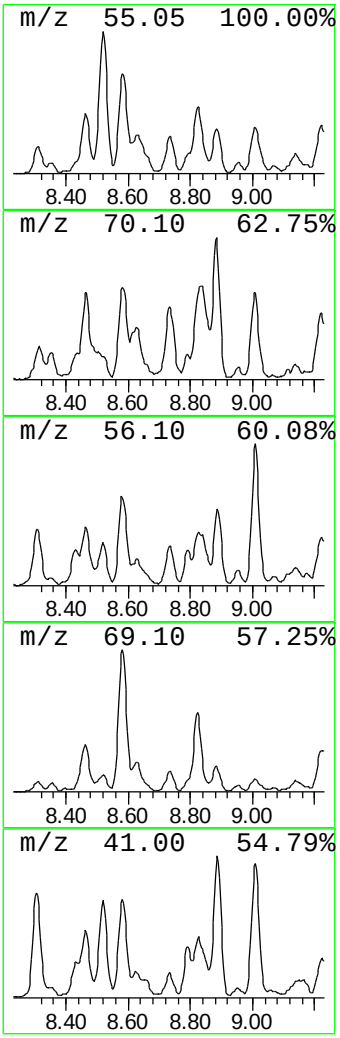
Peak Number 18 (DEL) Alkane: Cyclic8.73 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	6.68 ug/L	198168	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonene, (E)-	126	C9H18	006434-78-2	74
2	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	46
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	46
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	46
5	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

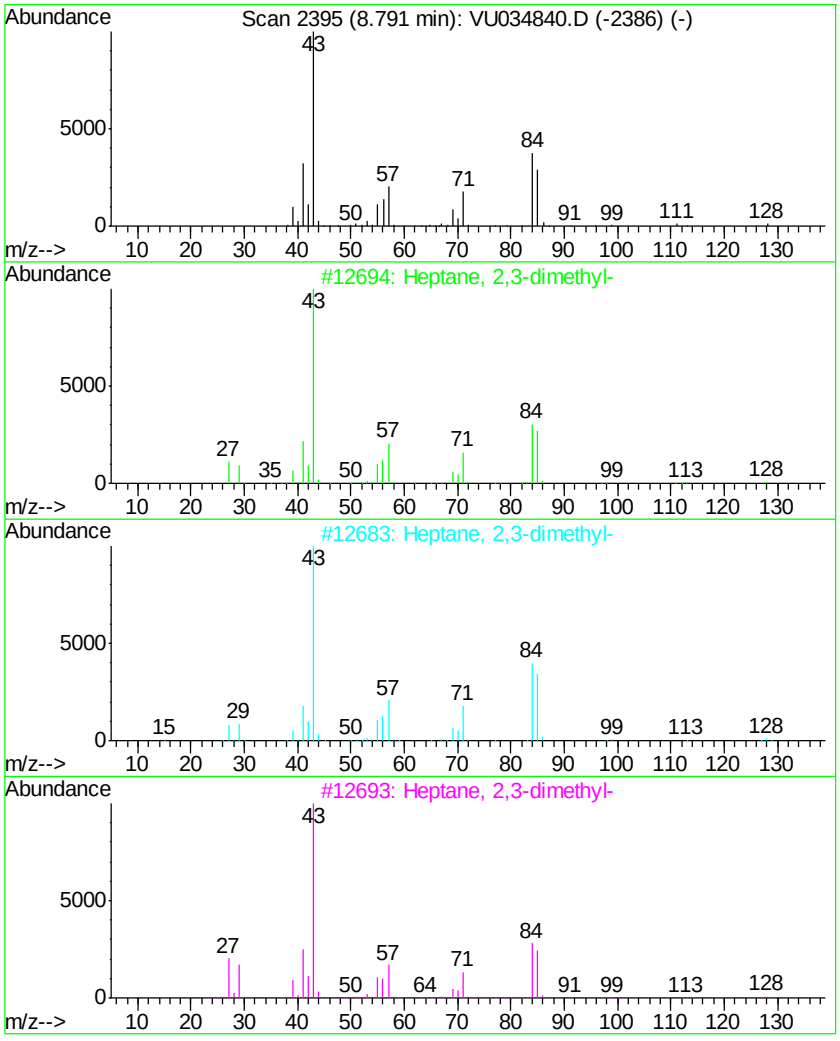
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

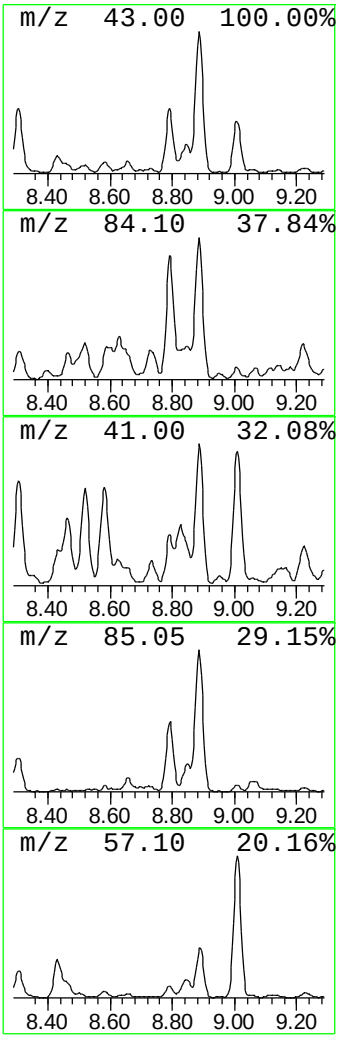
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	12.69 ug/L	376618	Chlorobenzene-d5	9.07

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	91
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	87
5	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

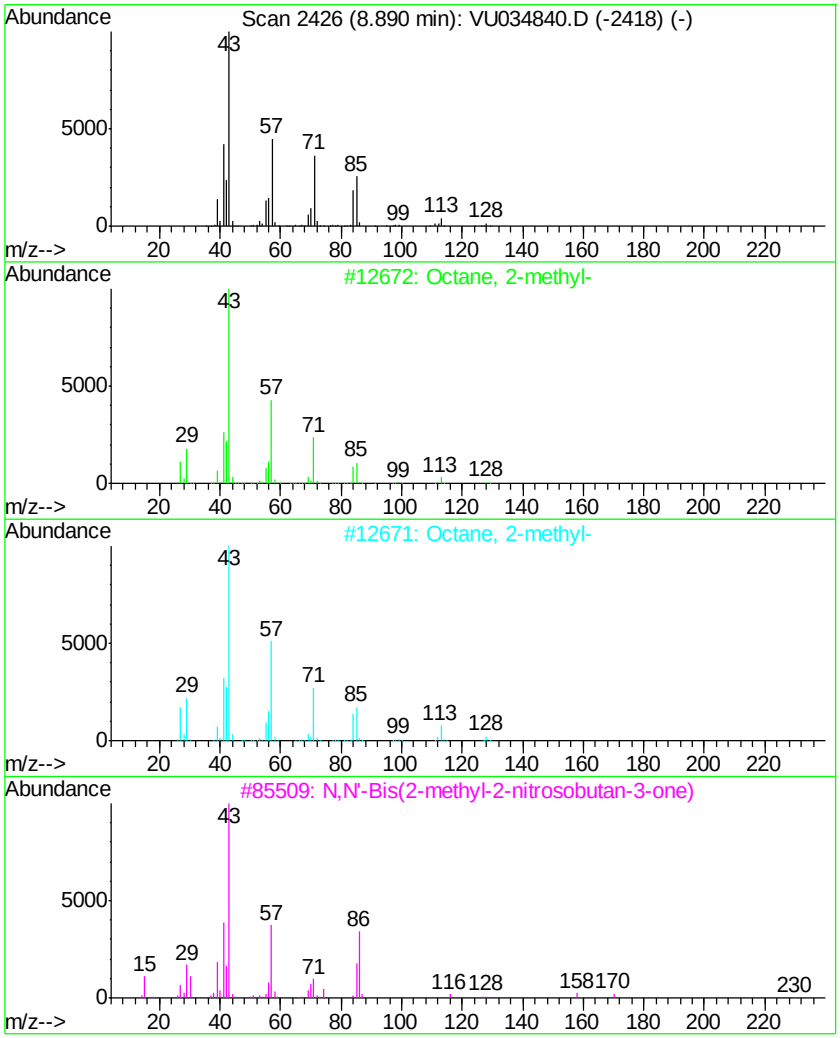
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

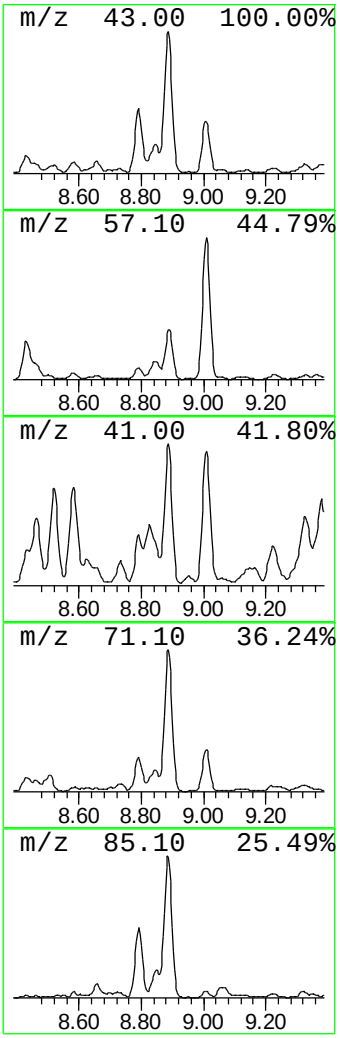
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	36.79 ug/L	1092010	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	Octane, 2-methyl-	128	C9H20	003221-61-2	64
3	N,N'-Bis(2-methyl-2-nitrosobutan...	230	C10H18N2O4	034946-73-1	64
4	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53





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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

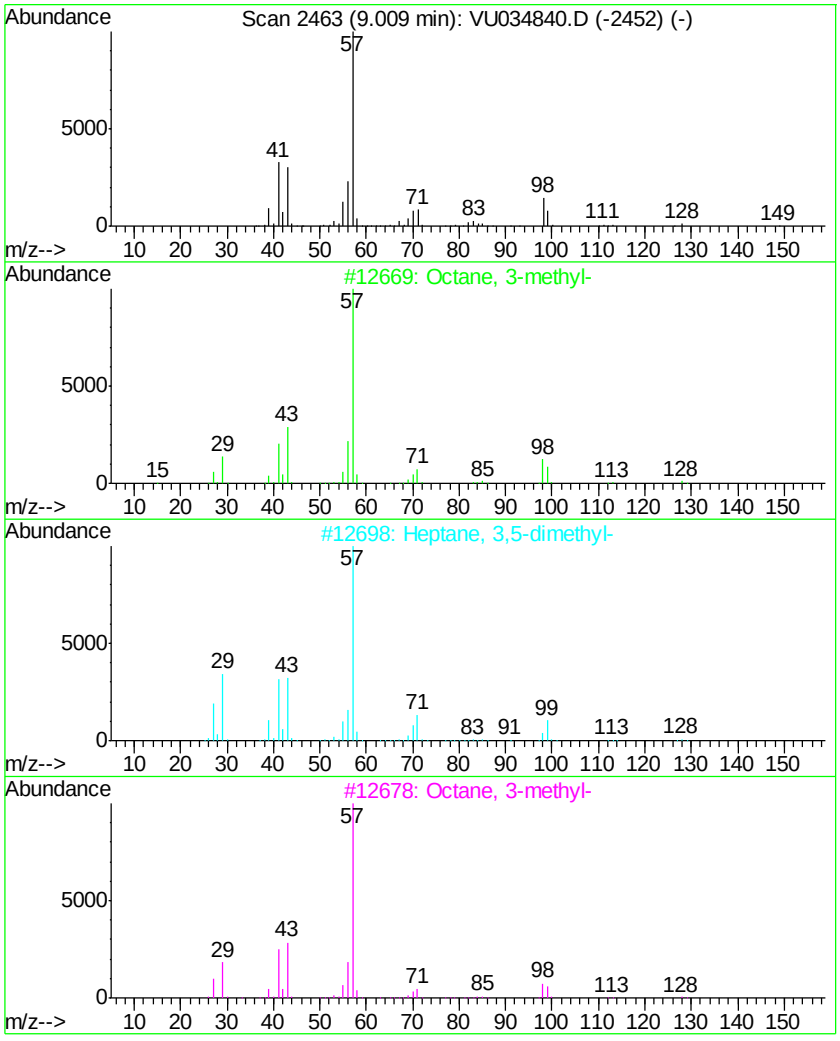
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

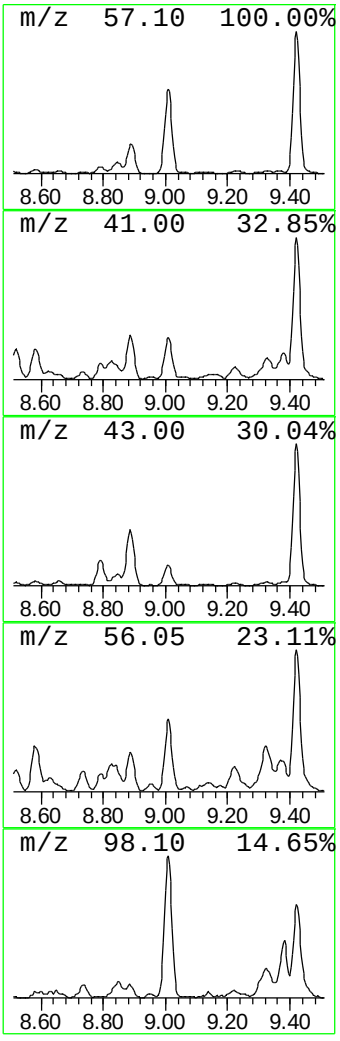
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	32.73 ug/L	971426	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3	Octane, 3-methyl-	128	C9H20	002216-33-3	64
4	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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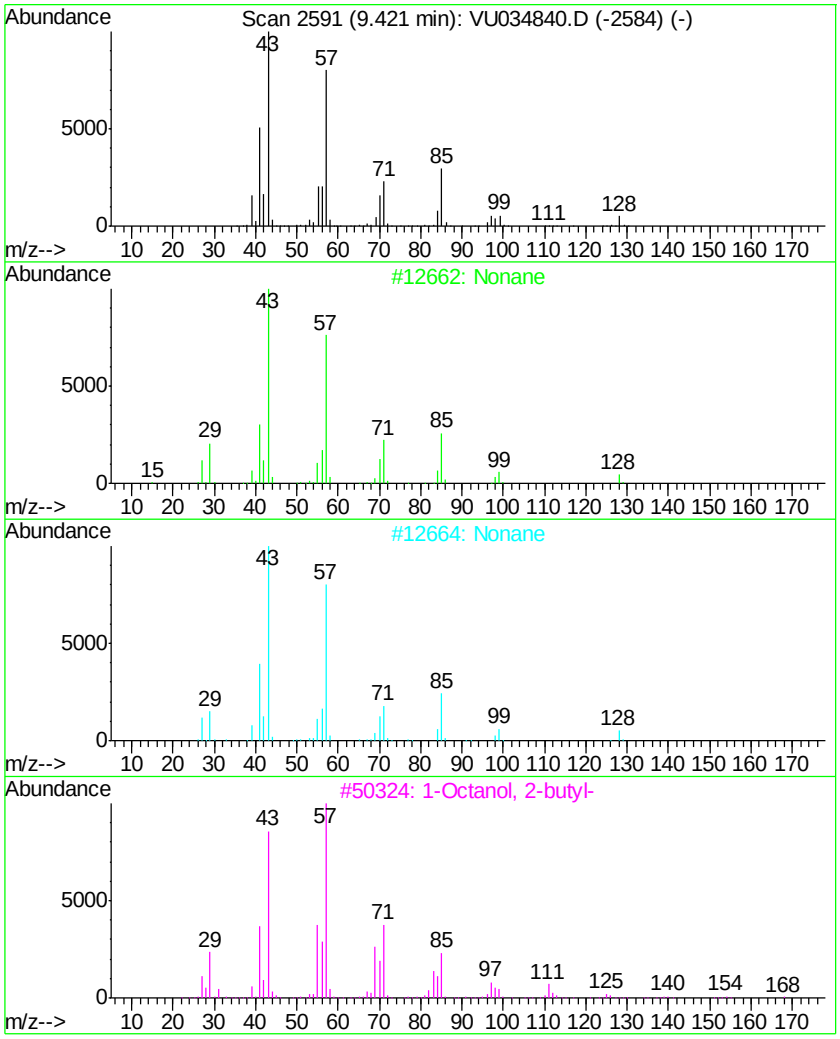
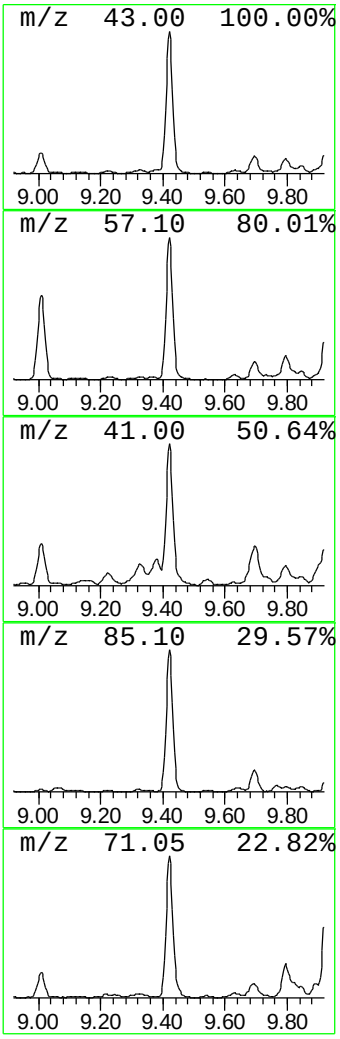
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	110.34 ug/L	3274570	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Nonane	128	C9H20	000111-84-2	94
3	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
4	Nonane	128	C9H20	000111-84-2	58
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Library Search Compound Report

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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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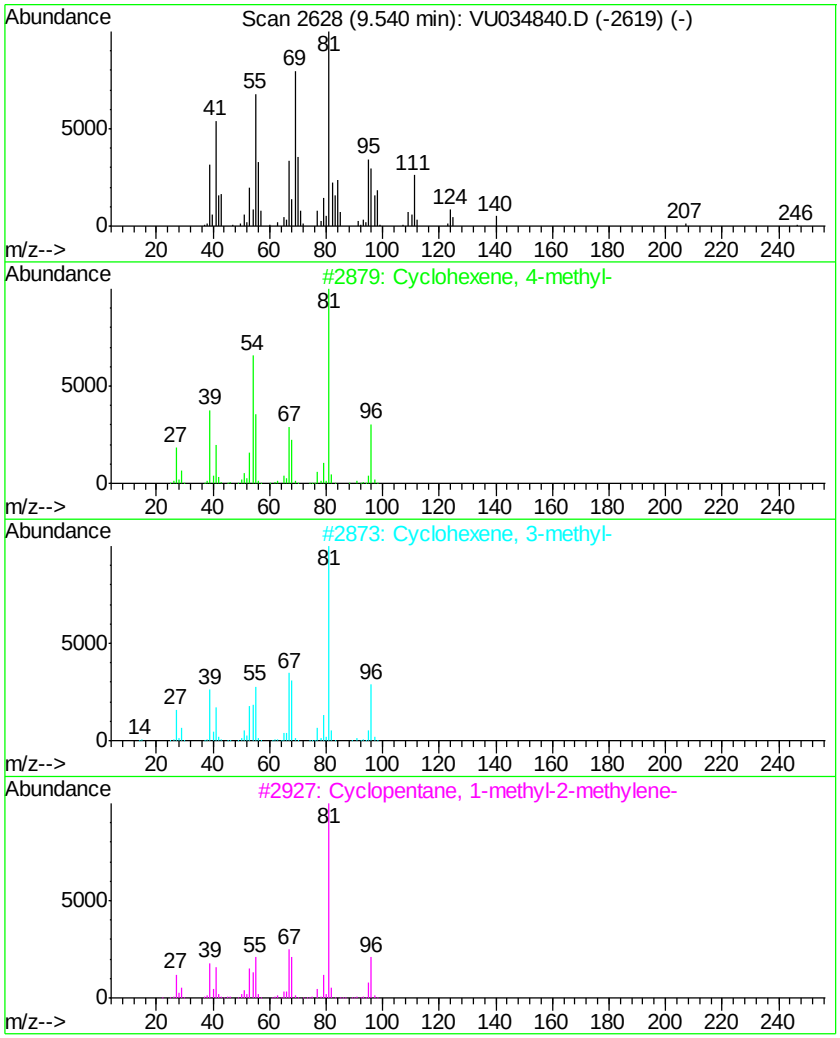
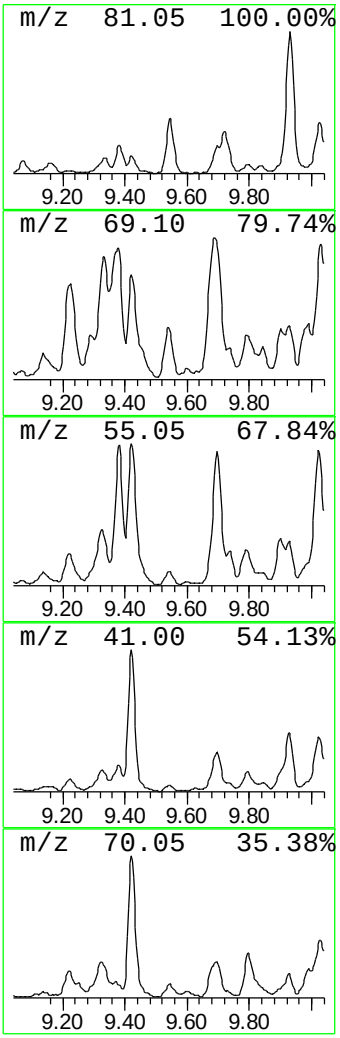
Peak Number 23 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	8.57 ug/L	254207	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	46
3	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	46
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	46
5	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	43





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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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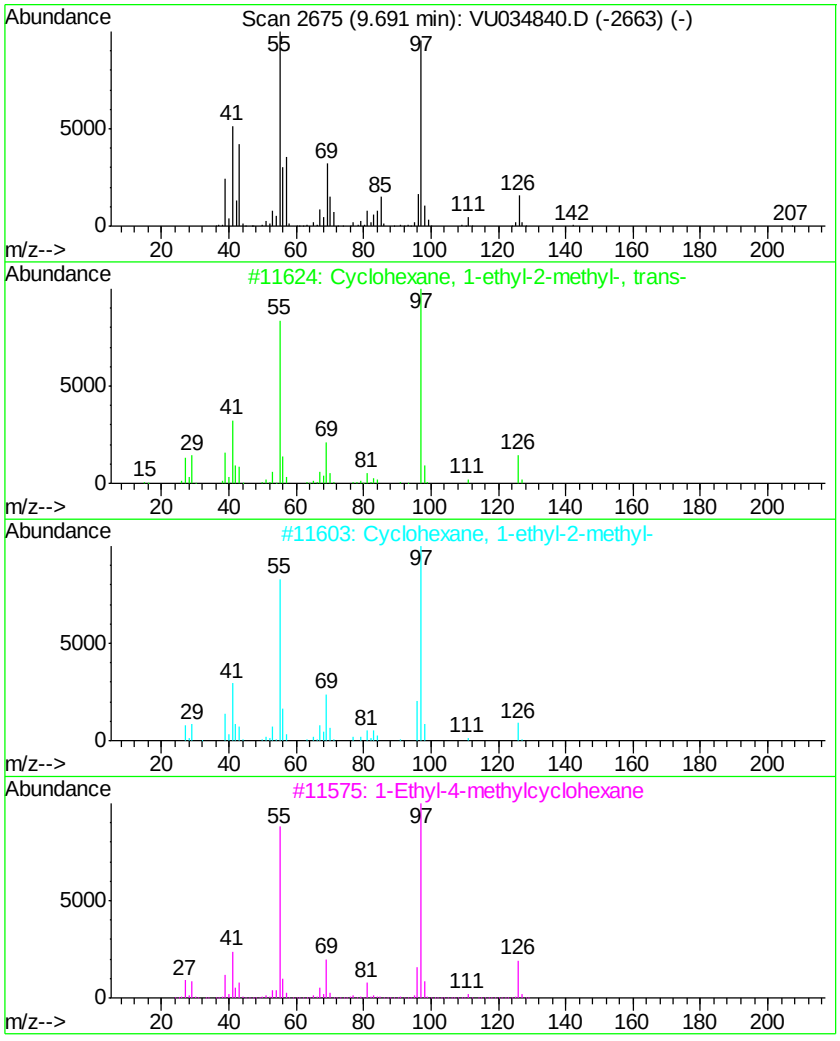
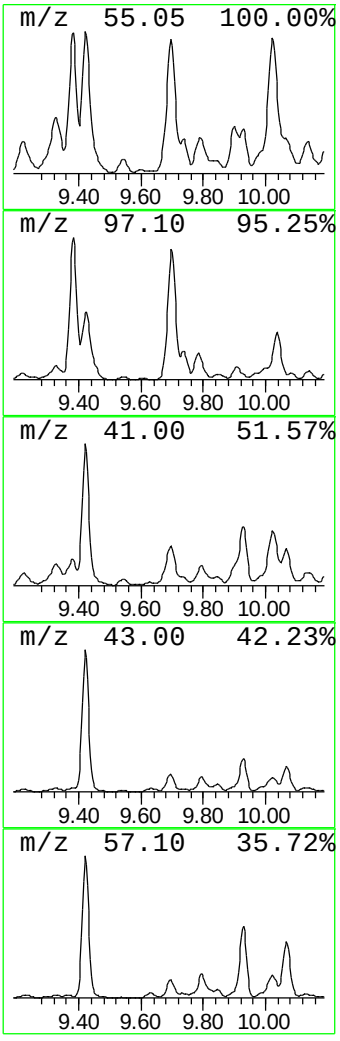
Peak Number 24 (DEL) Alkane: Cyclic9.69 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	47.79 ug/L	1418420	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64





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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

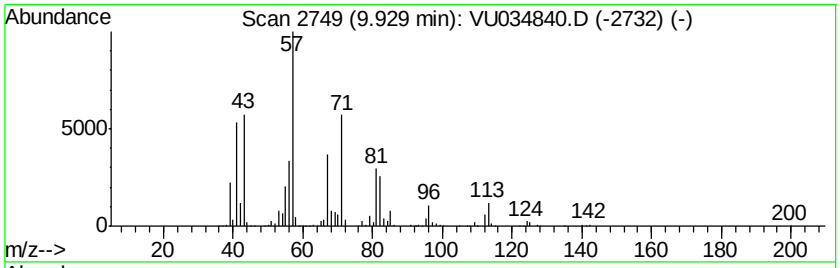
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

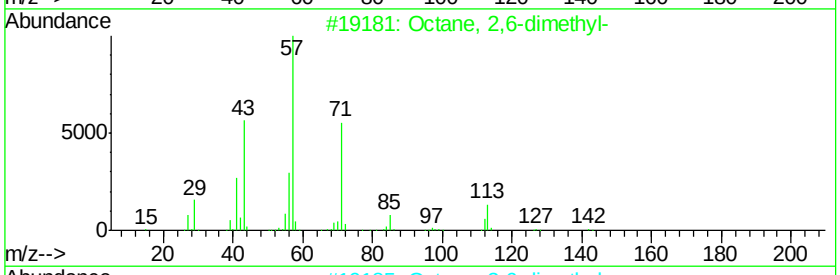
****

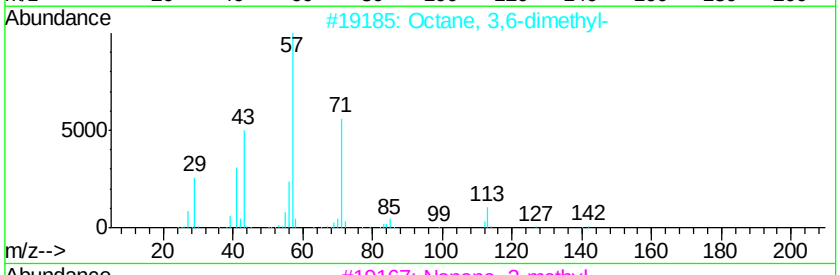
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 14

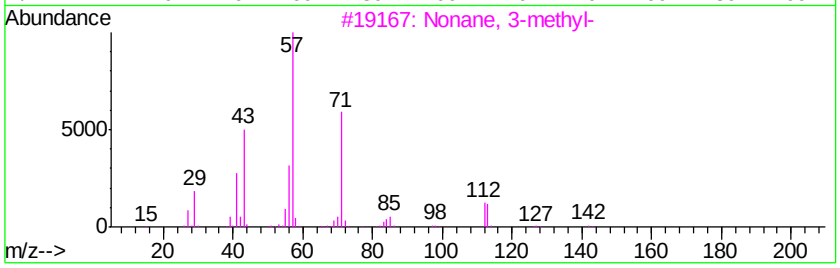
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	62.16 ug/L	1844890	Chlorobenzene-d5	9.07

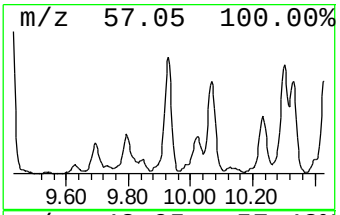
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	53

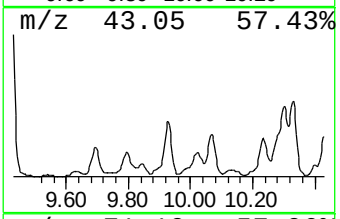


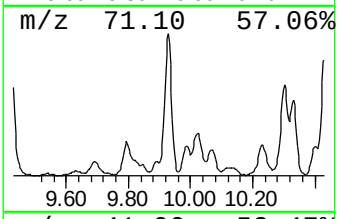


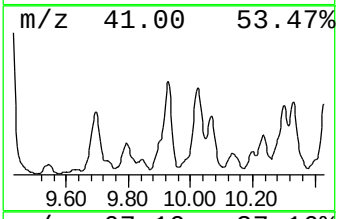


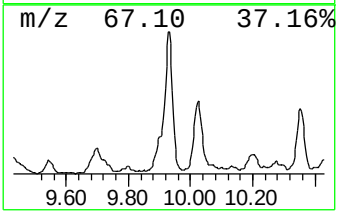












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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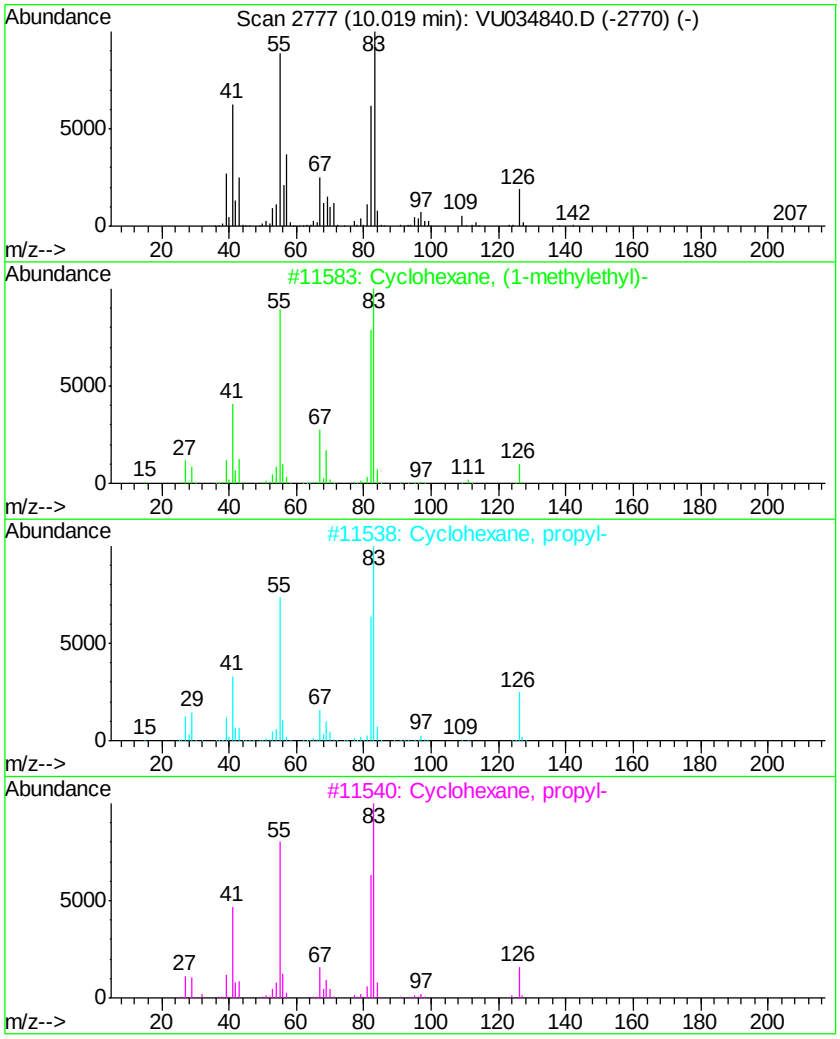
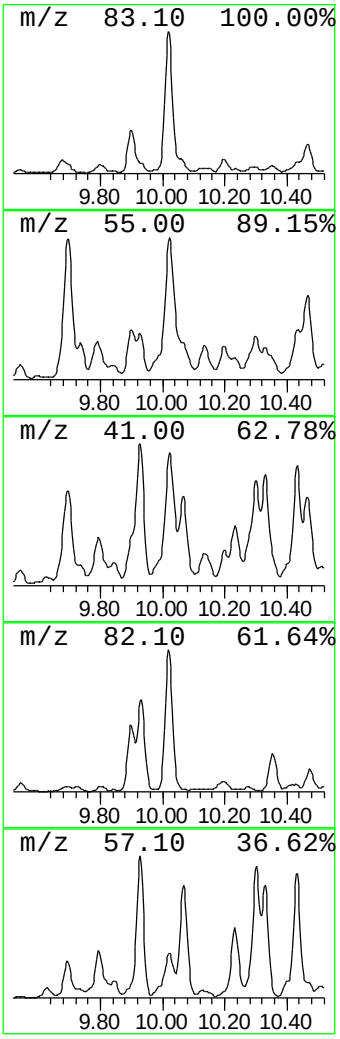
Peak Number 26 (DEL) Alkane: Cyclic10.02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	39.92 ug/L	1184770	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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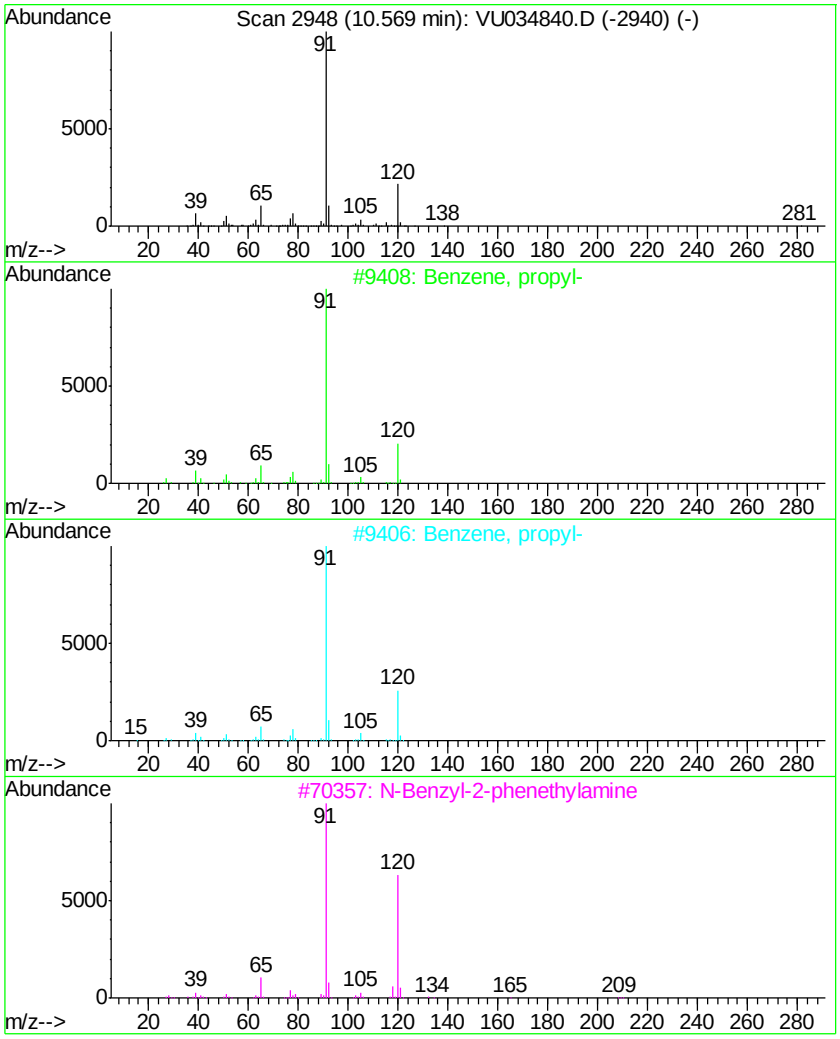
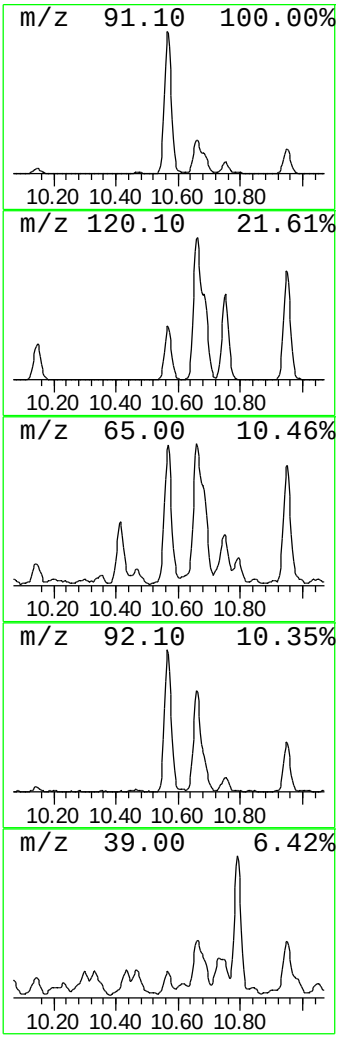
Peak Number 27 Benzene, propyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	19.67 ug/L	805039	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	86
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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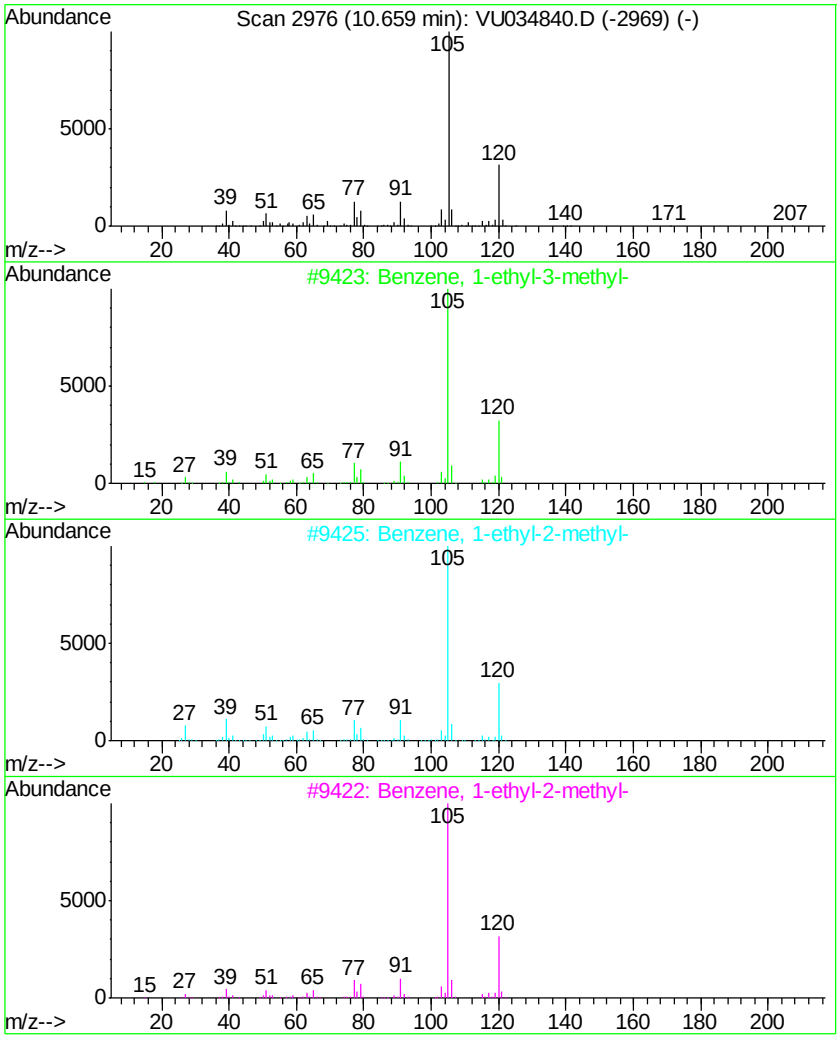
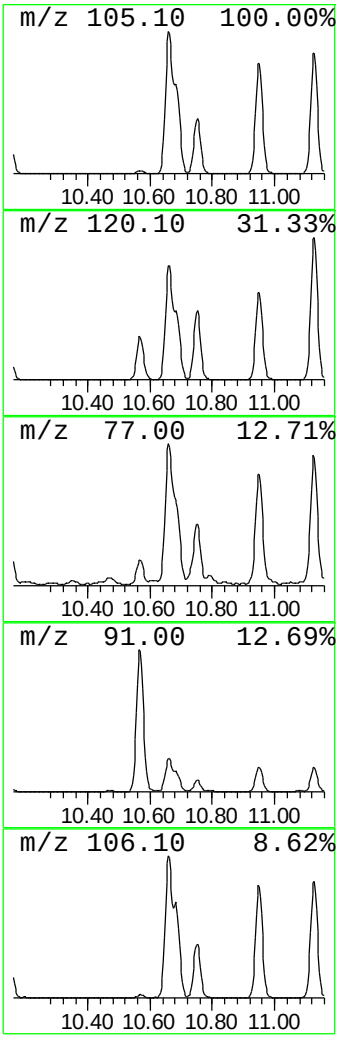
Peak Number 28 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	74.95 ug/L	3067180	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

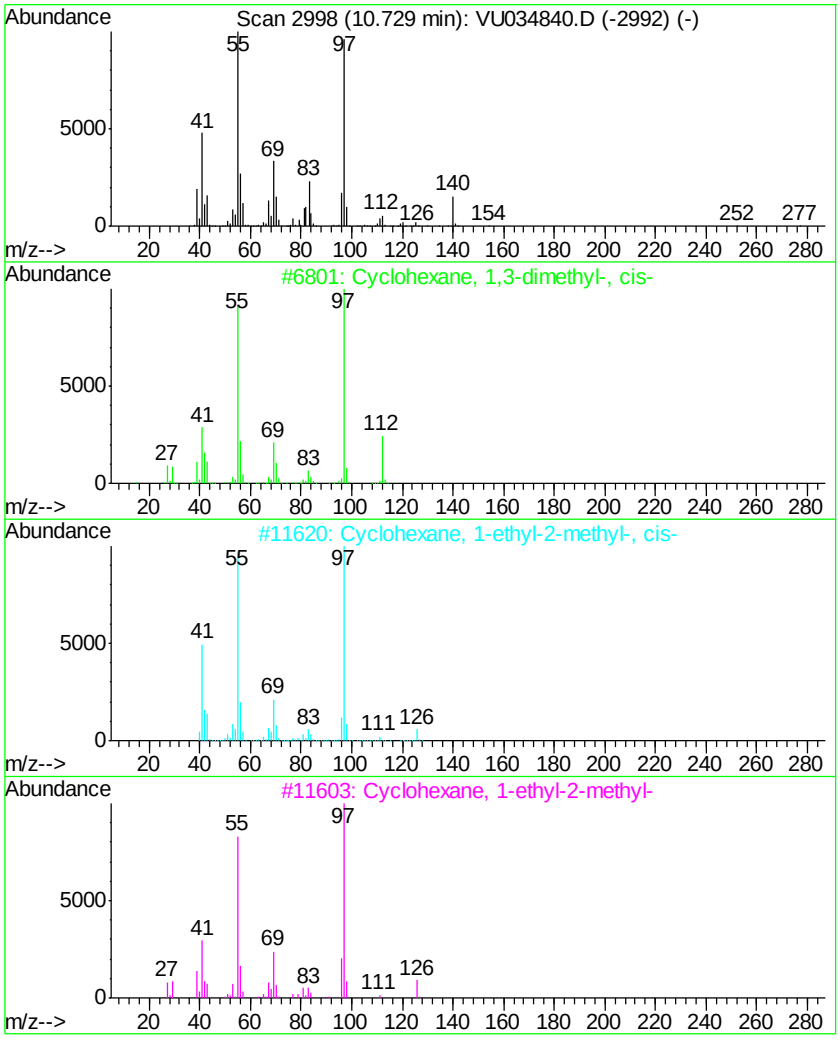
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

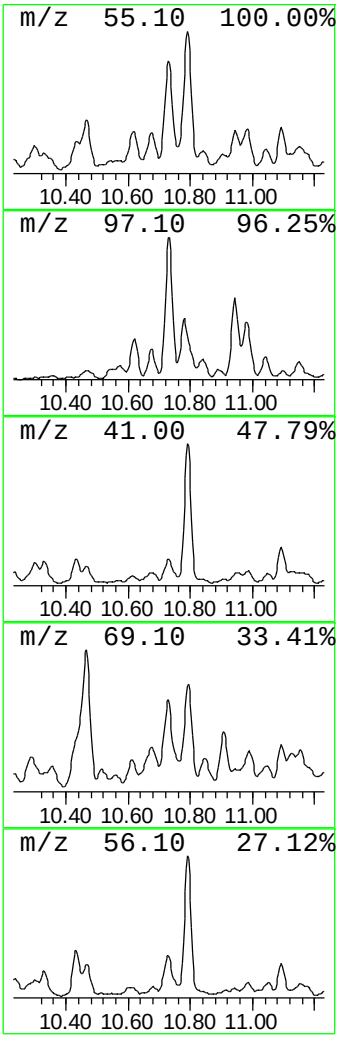
****

Peak Number 29 (DEL) Alkane: Cyclic10.73 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	43.70 ug/L	1788310	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4	cis-1-Ethyl-3-methylcyclohexane	126	C9H18	019489-10-2	53
5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

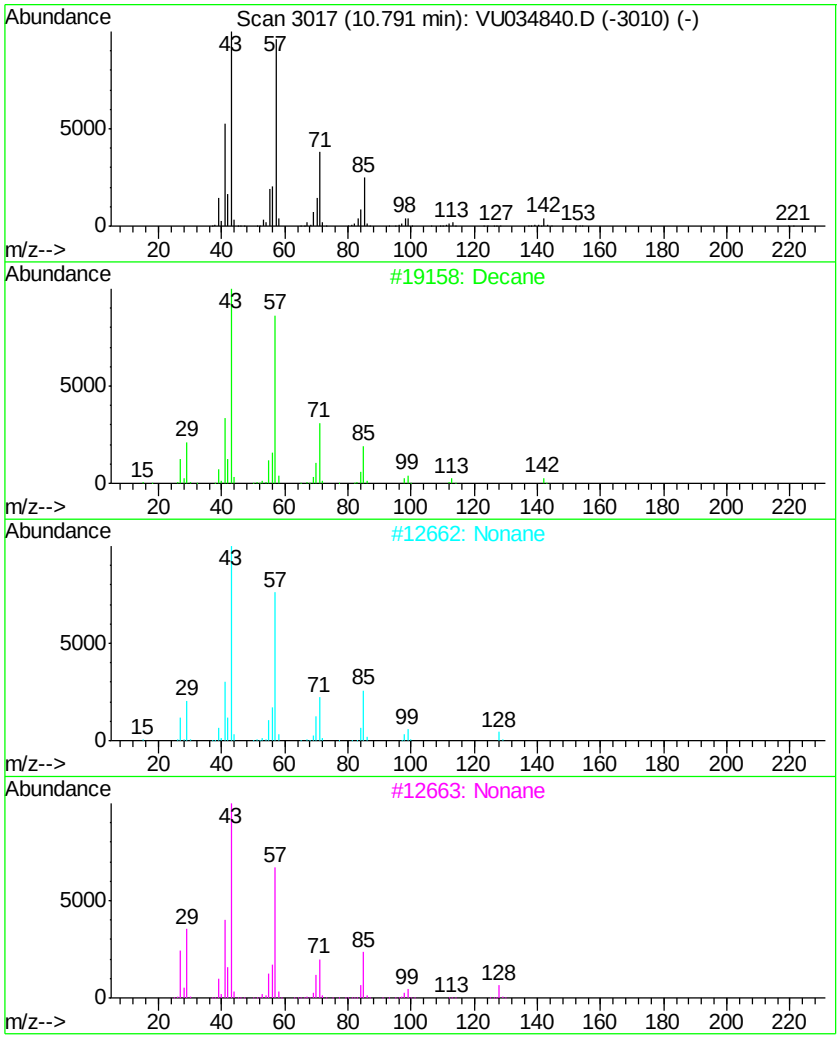
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

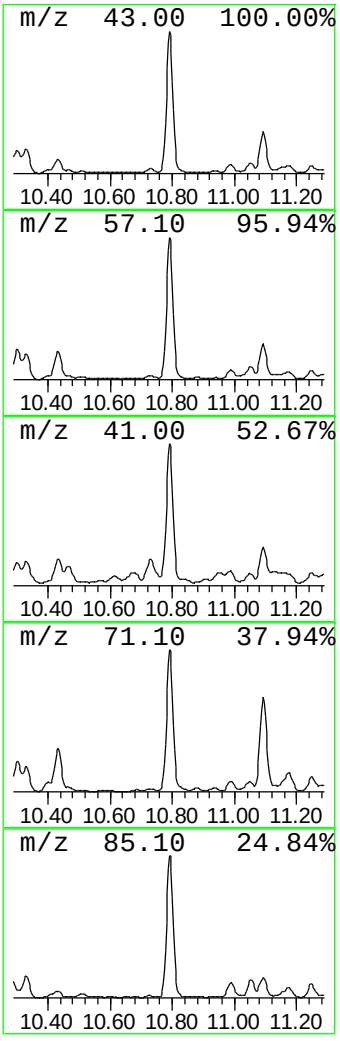
****

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	127.64 ug/L	5223540	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Nonane	128	C9H20	000111-84-2	91
3	Nonane	128	C9H20	000111-84-2	91
4	Tetradecane	198	C14H30	000629-59-4	80
5	Nonane	128	C9H20	000111-84-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

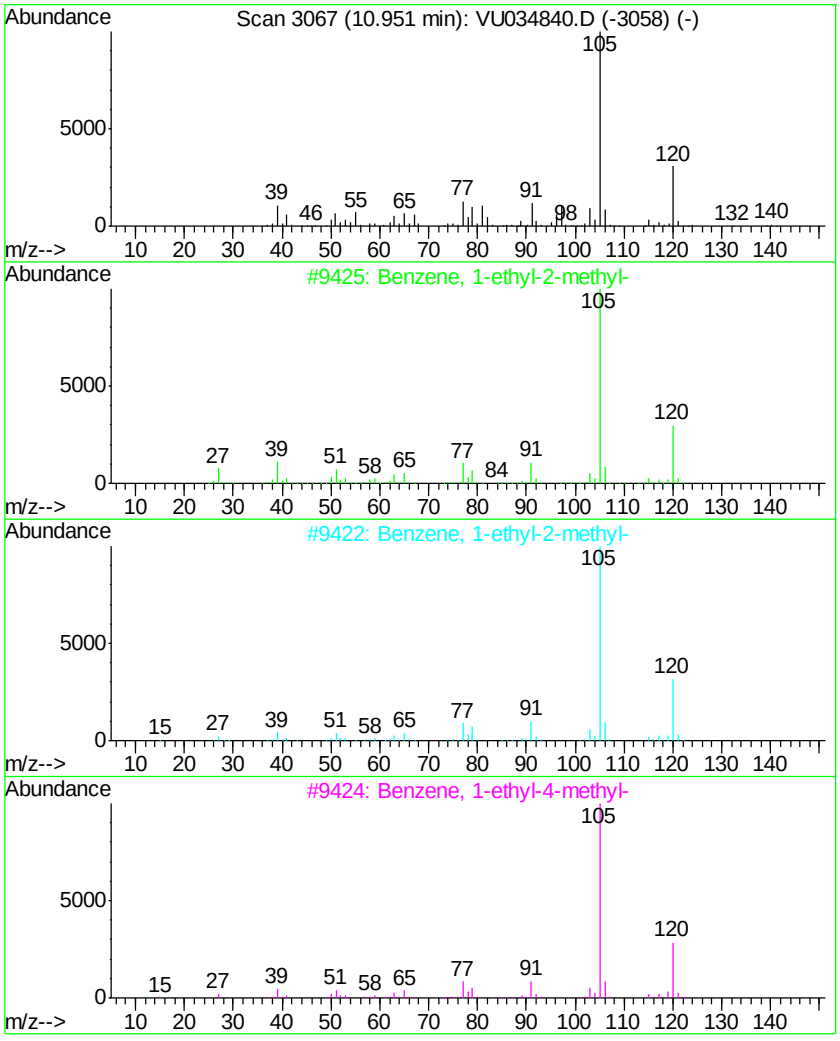
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

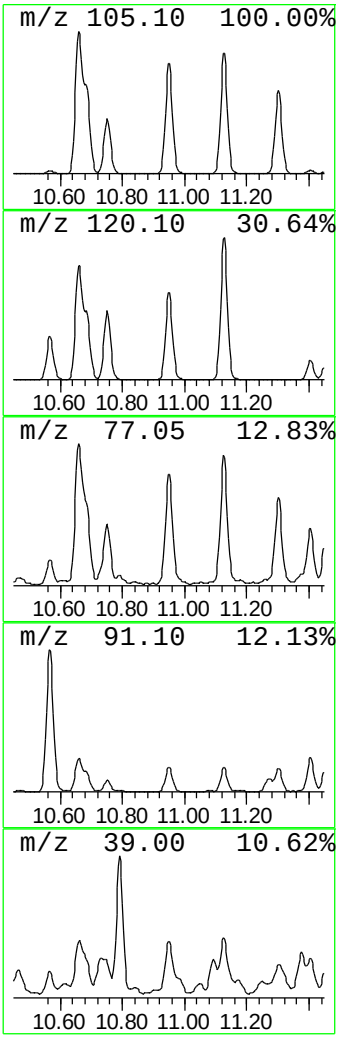
****

Peak Number 31 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	52.07 ug/L	2131000	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
5	Mesitylene	120	C9H12	000108-67-8	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

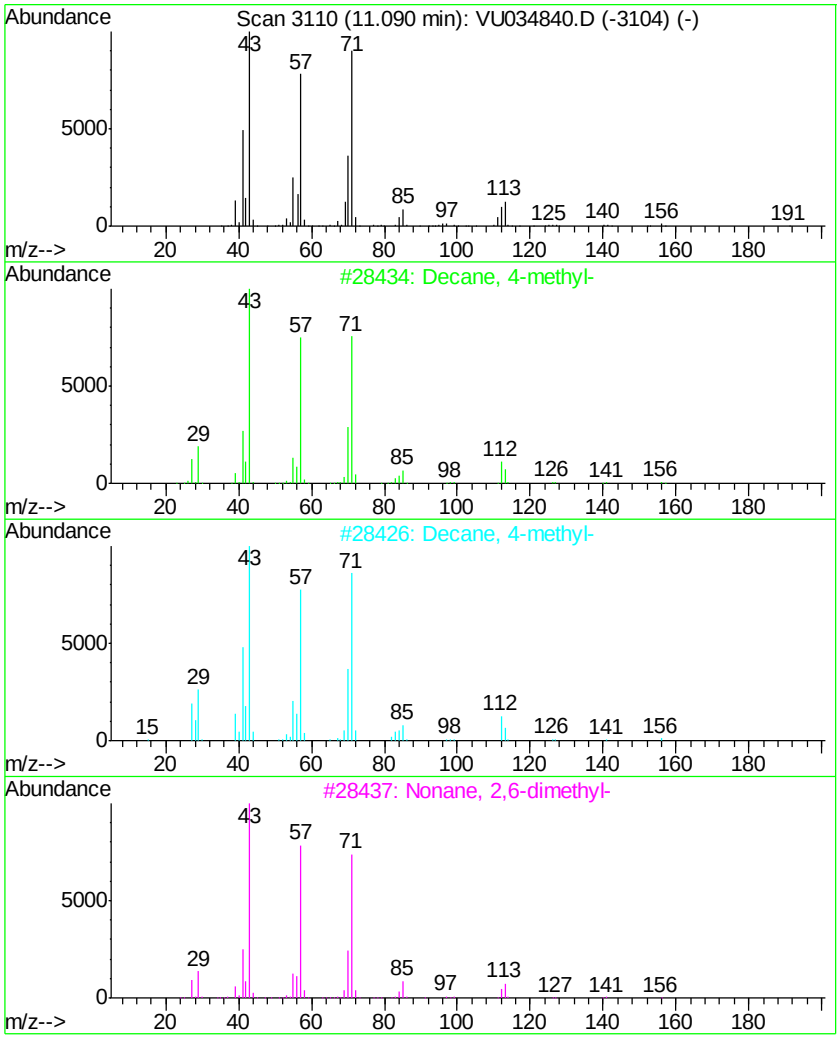
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

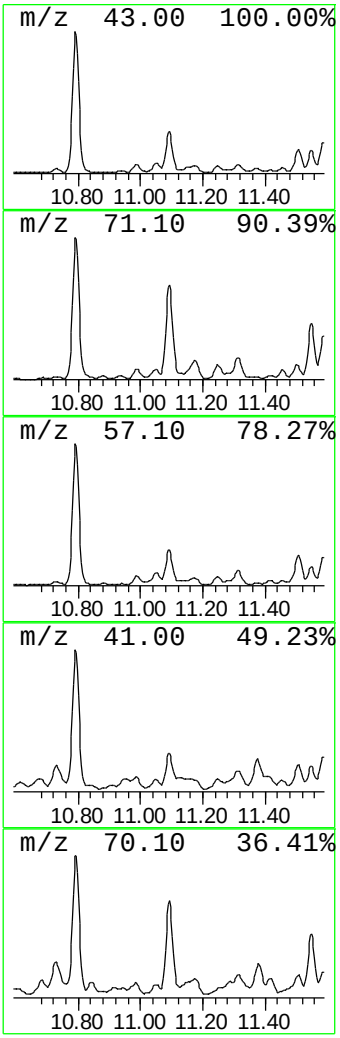
****

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	35.84 ug/L	1466830	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	94
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
4	Decane, 4-methyl-	156	C11H24	002847-72-5	78
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

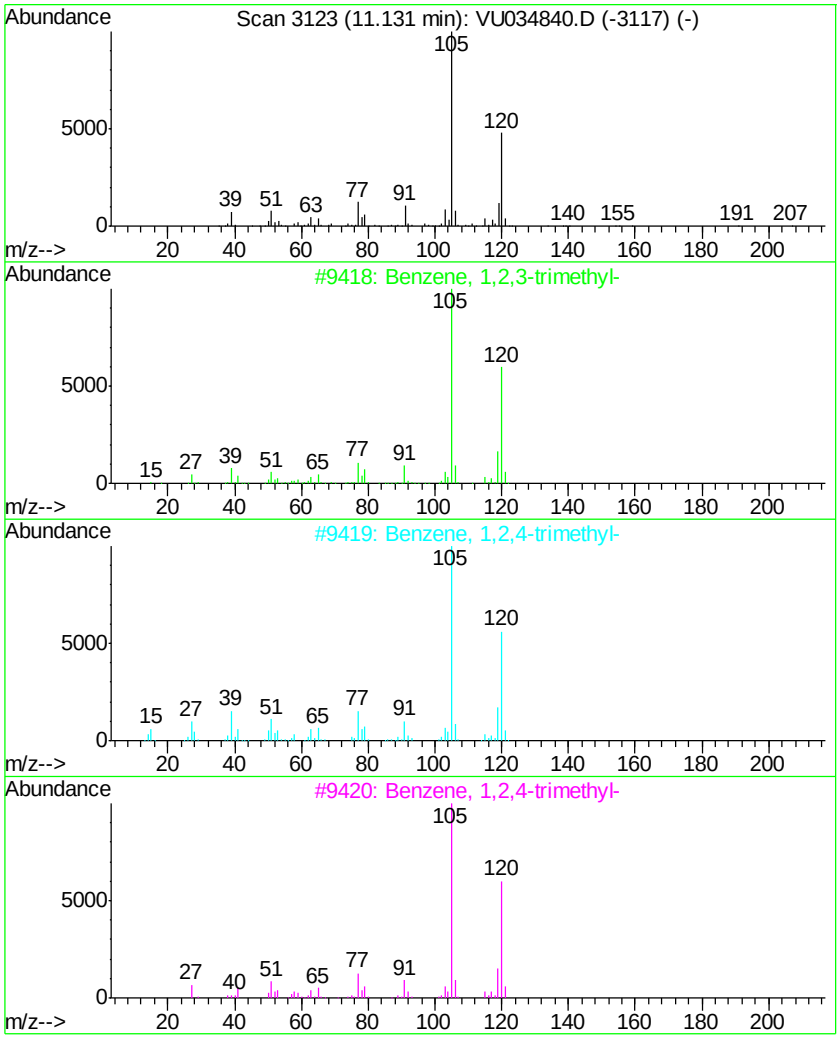
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

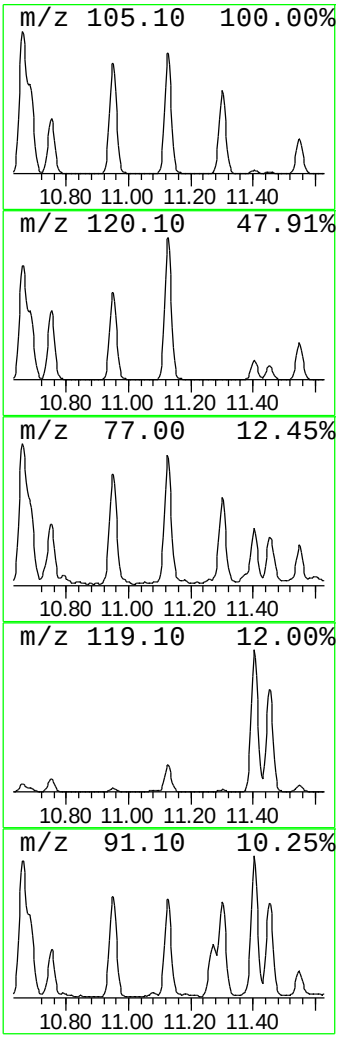
****

Peak Number 33 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	42.92 ug/L	1756550	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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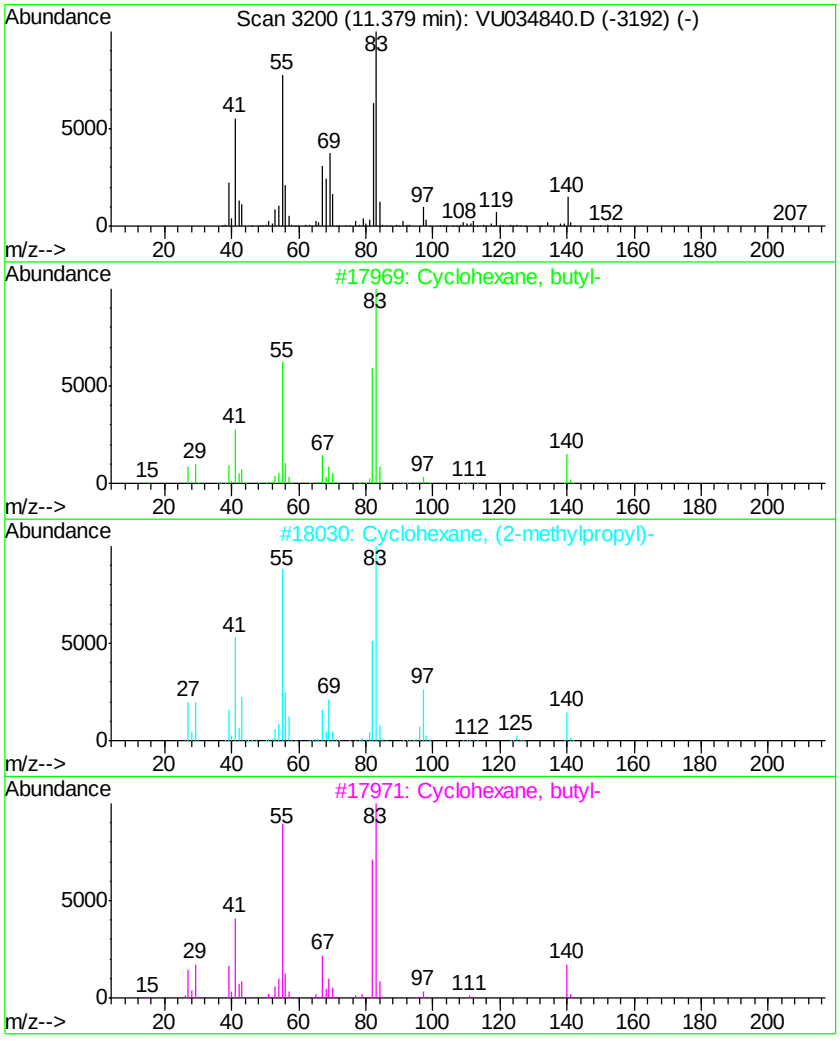
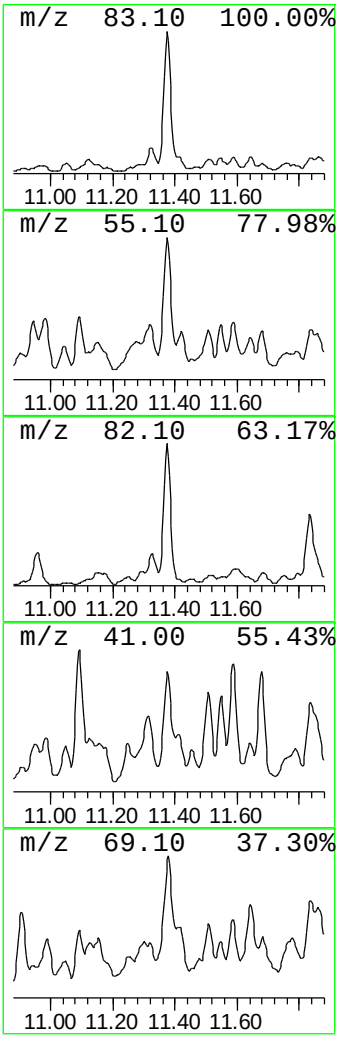
Peak Number 34 (DEL) Alkane: Cyclic11.38 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	29.03 ug/L	1187980	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

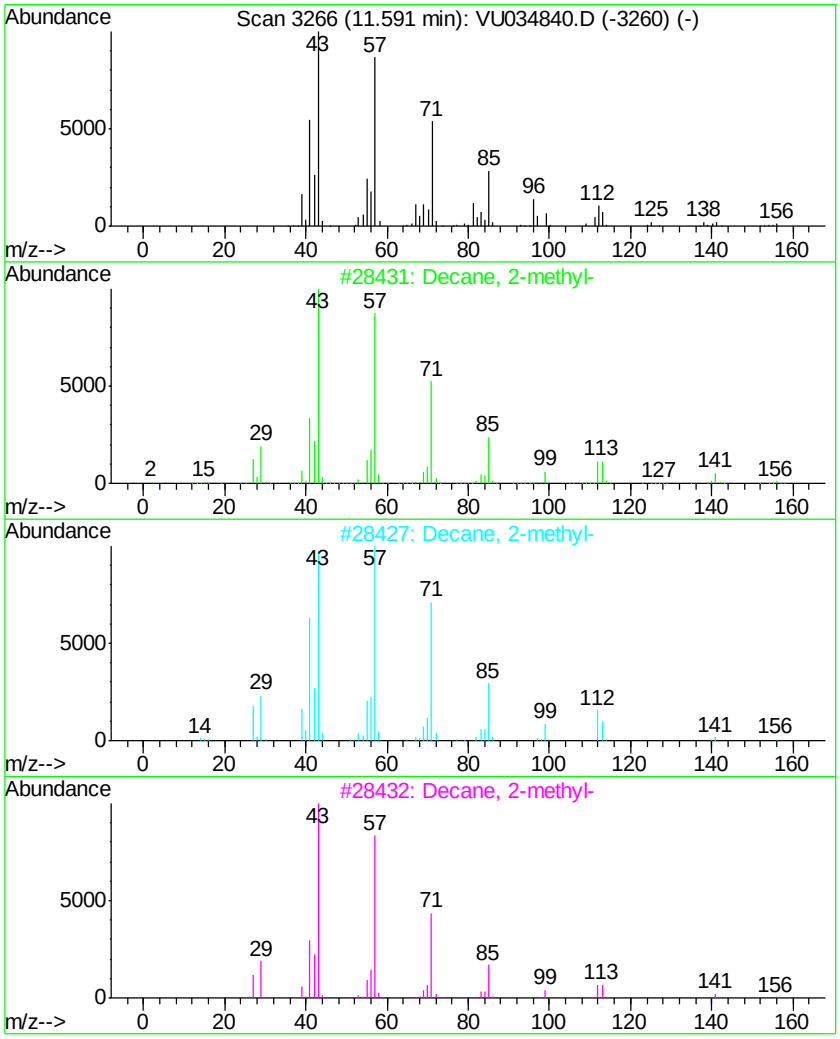
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

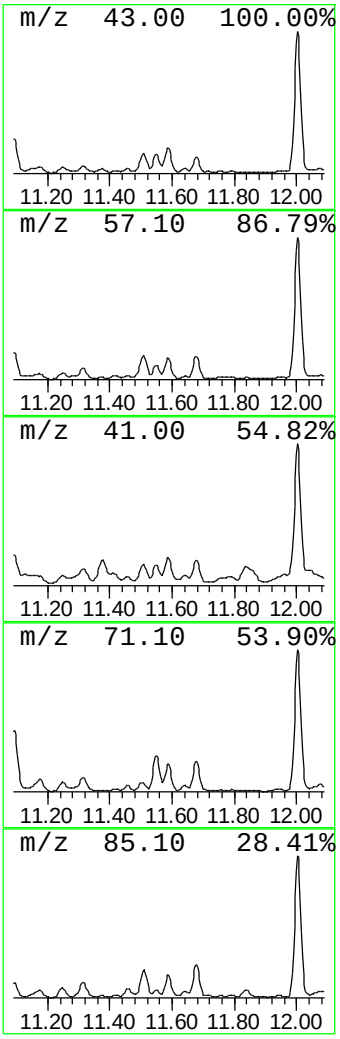
****

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	25.88 ug/L	1058970	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	87
2	Decane, 2-methyl-	156	C11H24	006975-98-0	76
3	Decane, 2-methyl-	156	C11H24	006975-98-0	72
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

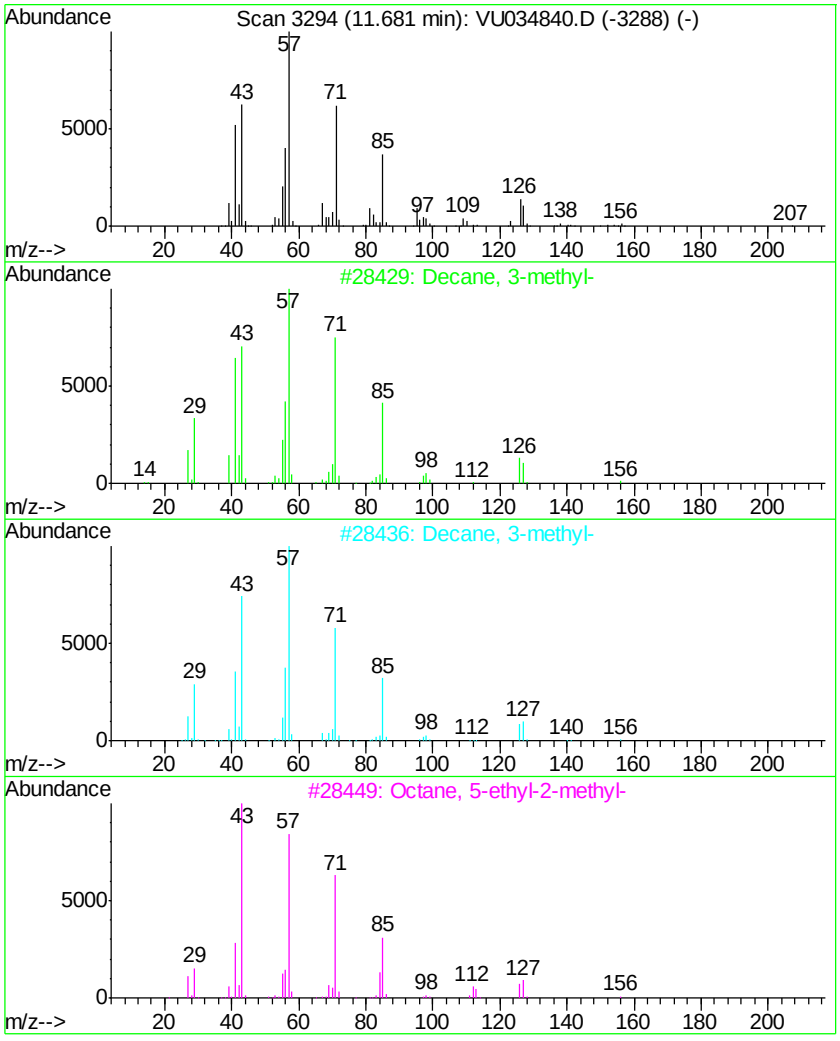
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

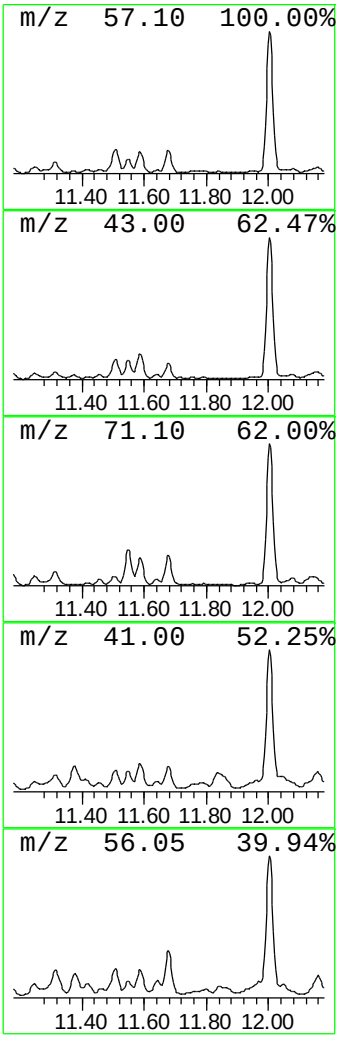
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	30.26 ug/L	1238260	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2	Decane, 3-methyl-	156	C11H24	013151-34-3	78
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	53
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	53
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

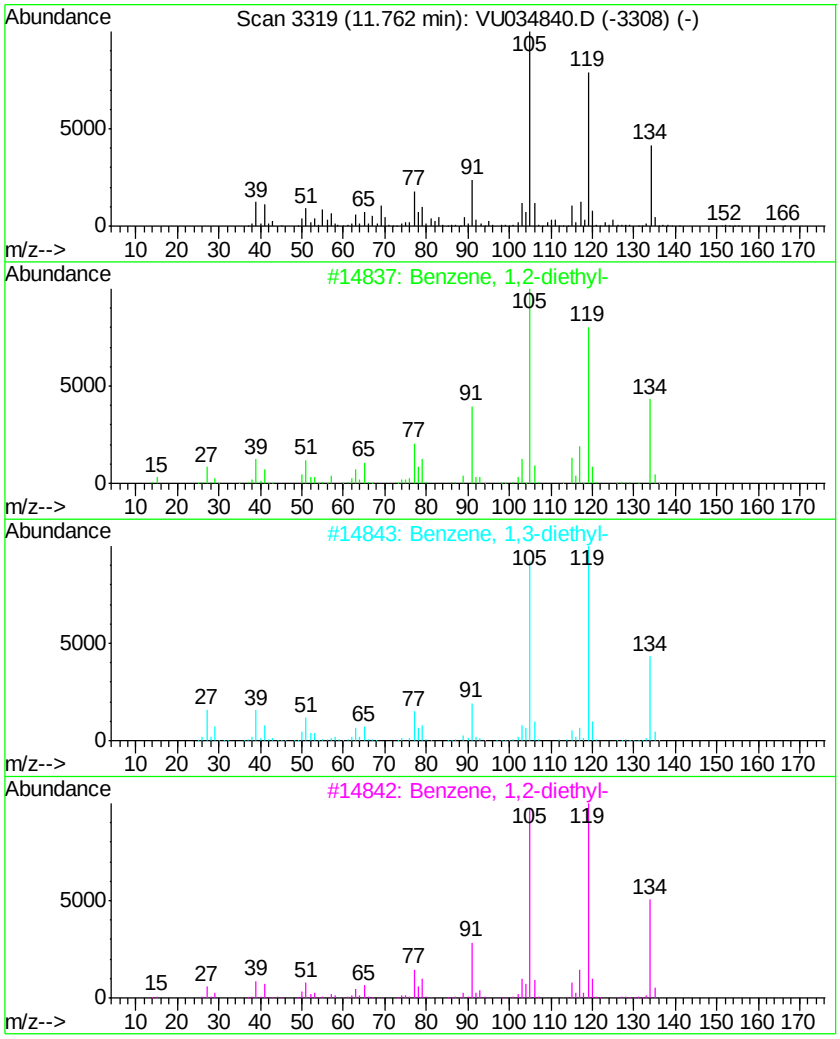
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

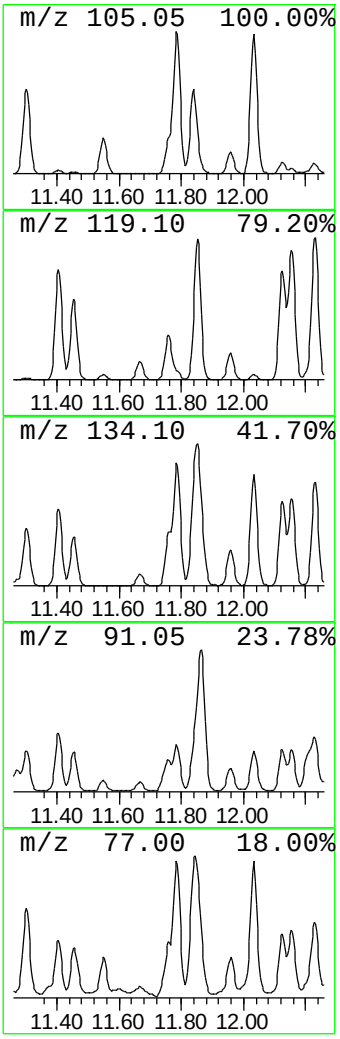
****

Peak Number 38 Benzene, 1,2-diethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	30.10 ug/L	1231590	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

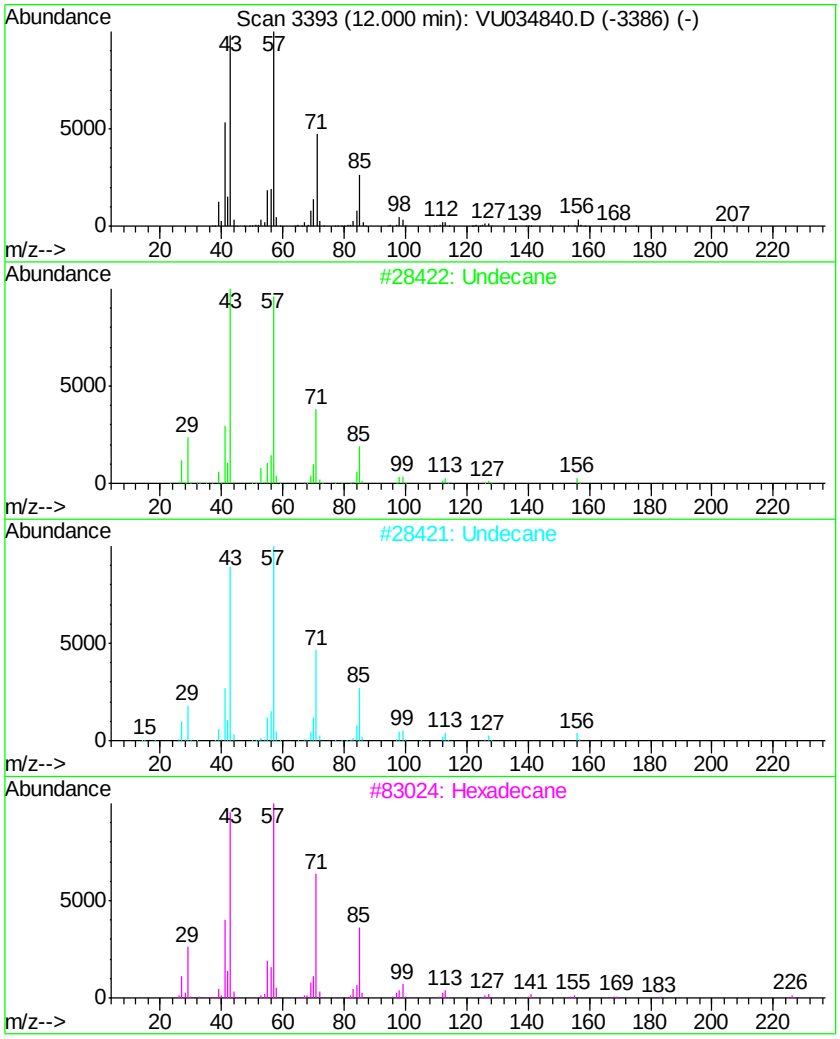
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

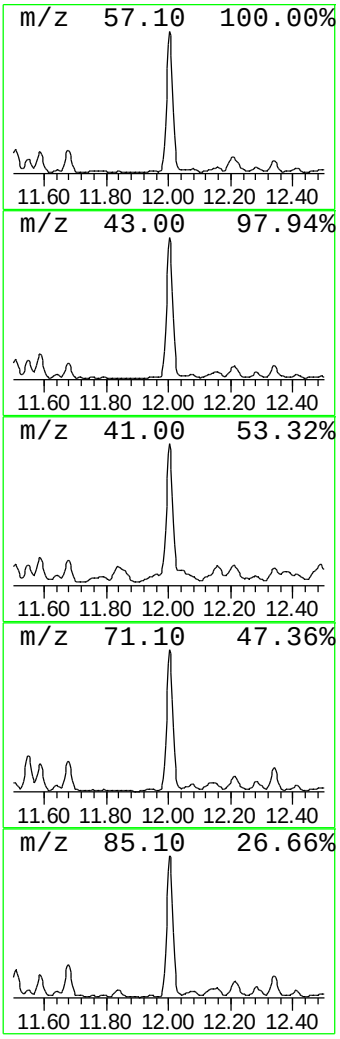
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	149.99 ug/L	6138190	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	91
3	Hexadecane	226	C16H34	000544-76-3	83
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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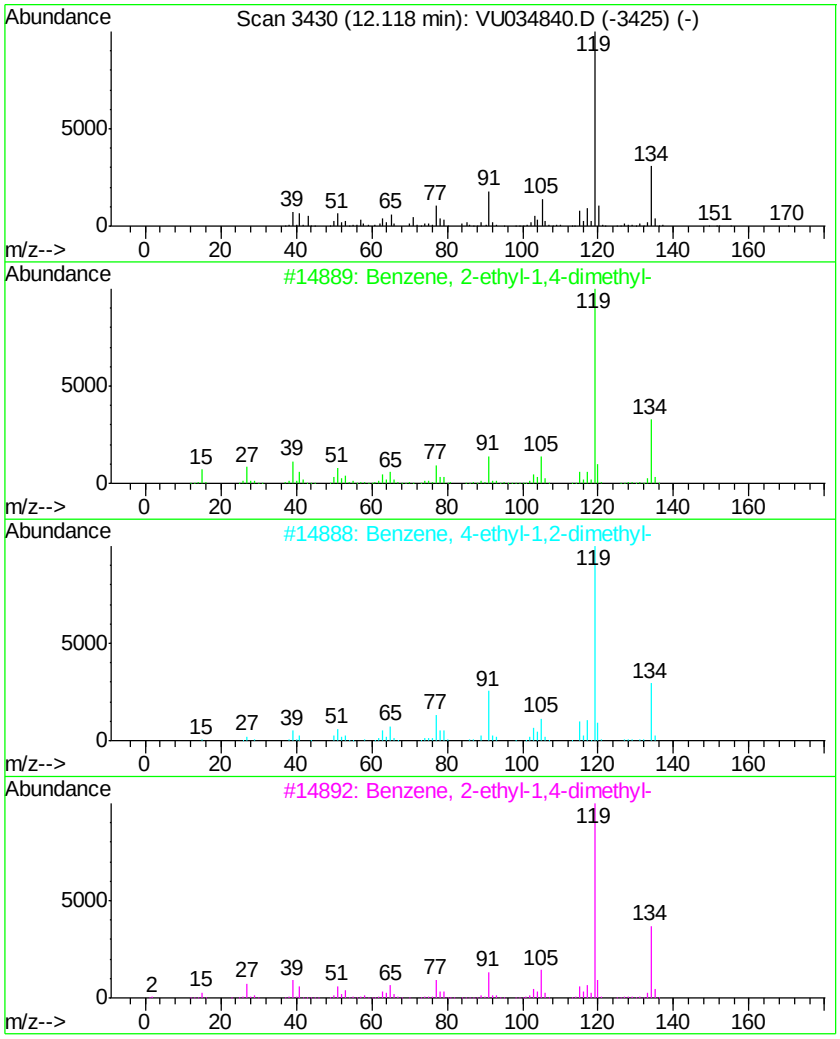
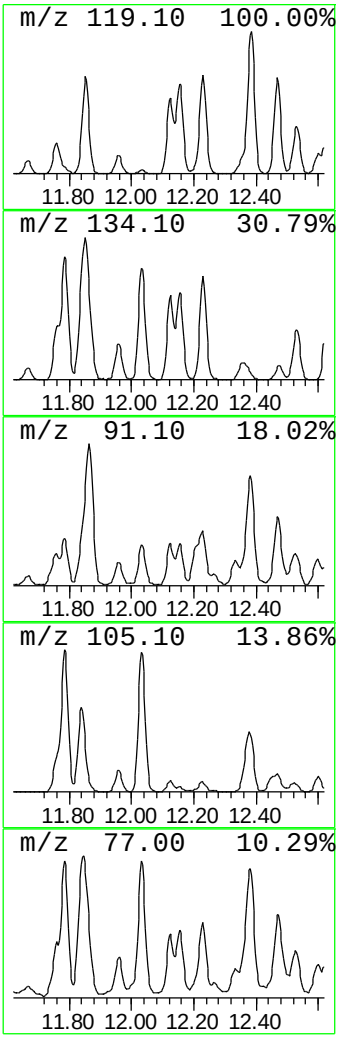
Peak Number 40 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	27.84 ug/L	1139220	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

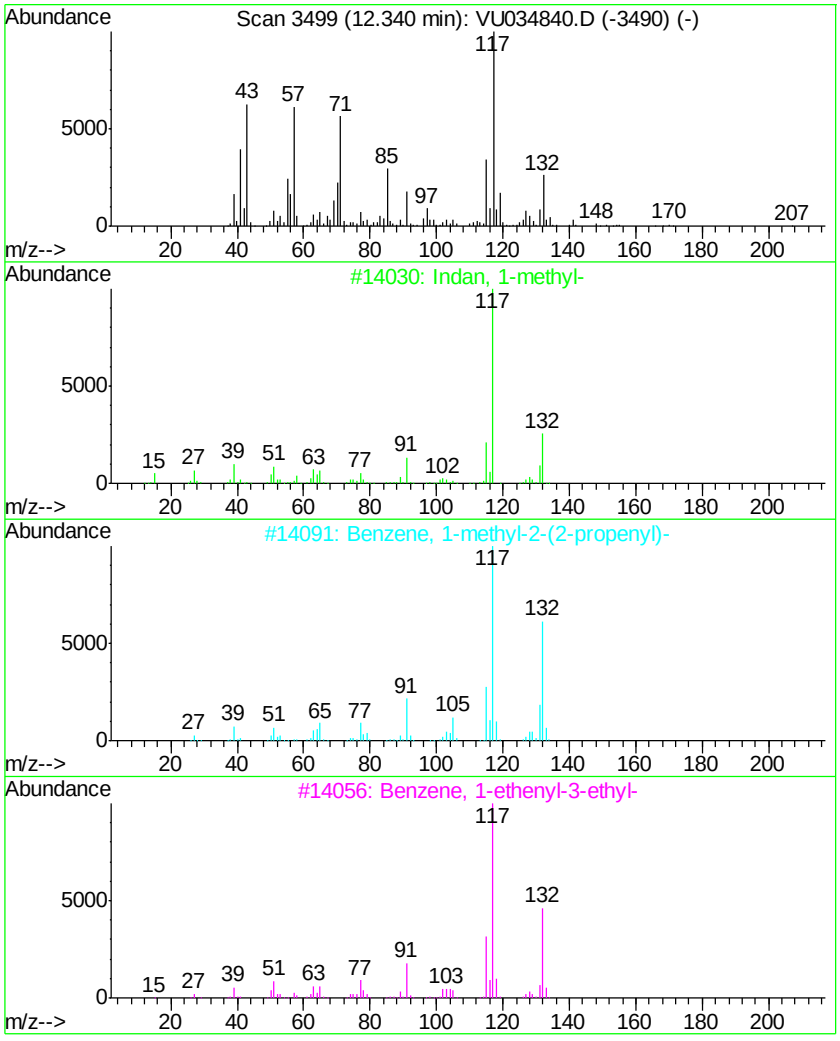
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

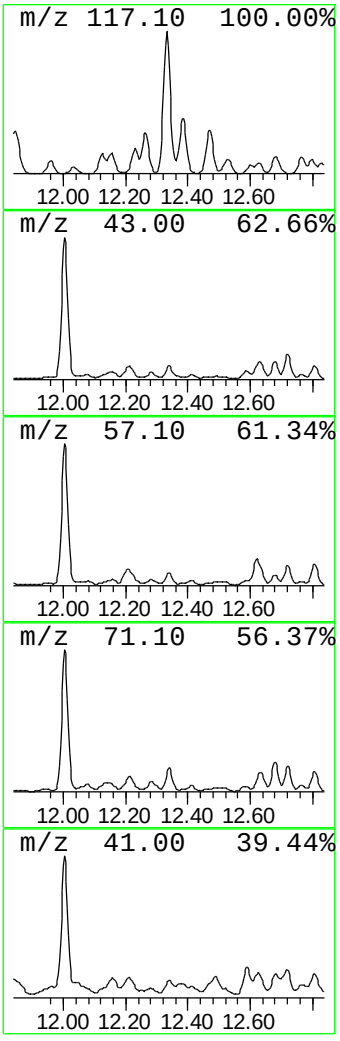
****

Peak Number 41 Indan, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	37.42 ug/L	1531410	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60
4	Indan, 1-methyl-	132	C10H12	000767-58-8	55
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	49





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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

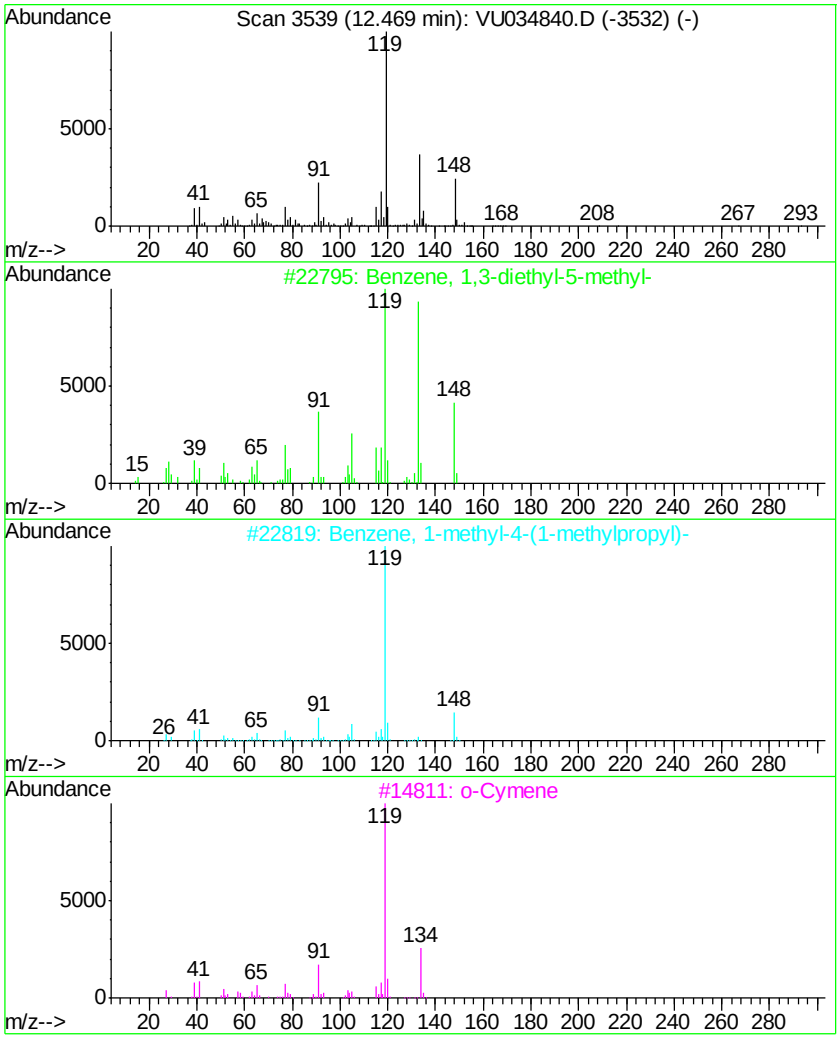
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

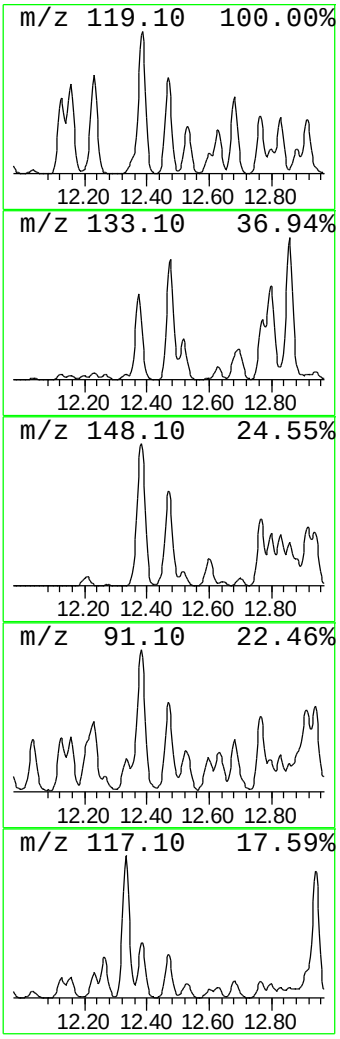
****

Peak Number 42 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	67.90 ug/L	2778490	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
3	o-Cymene	134	C10H14	000527-84-4	55
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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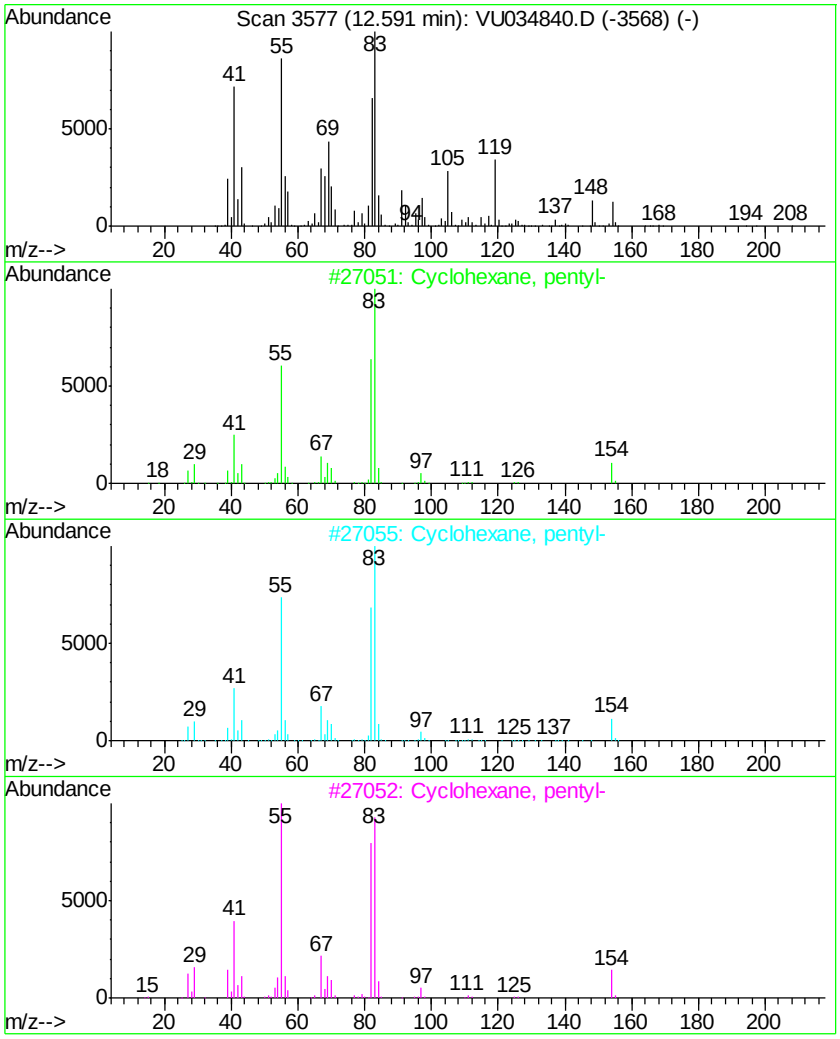
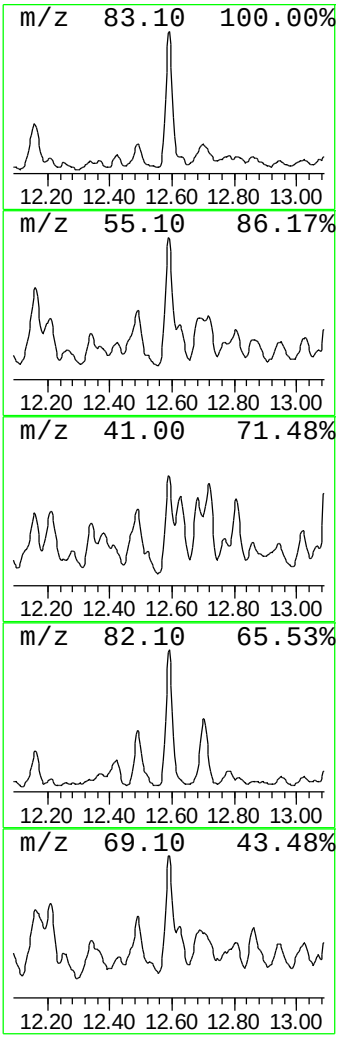
Peak Number 43 (DEL) Alkane: Cyclic12.59 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	48.73 ug/L	1994060	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	47
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

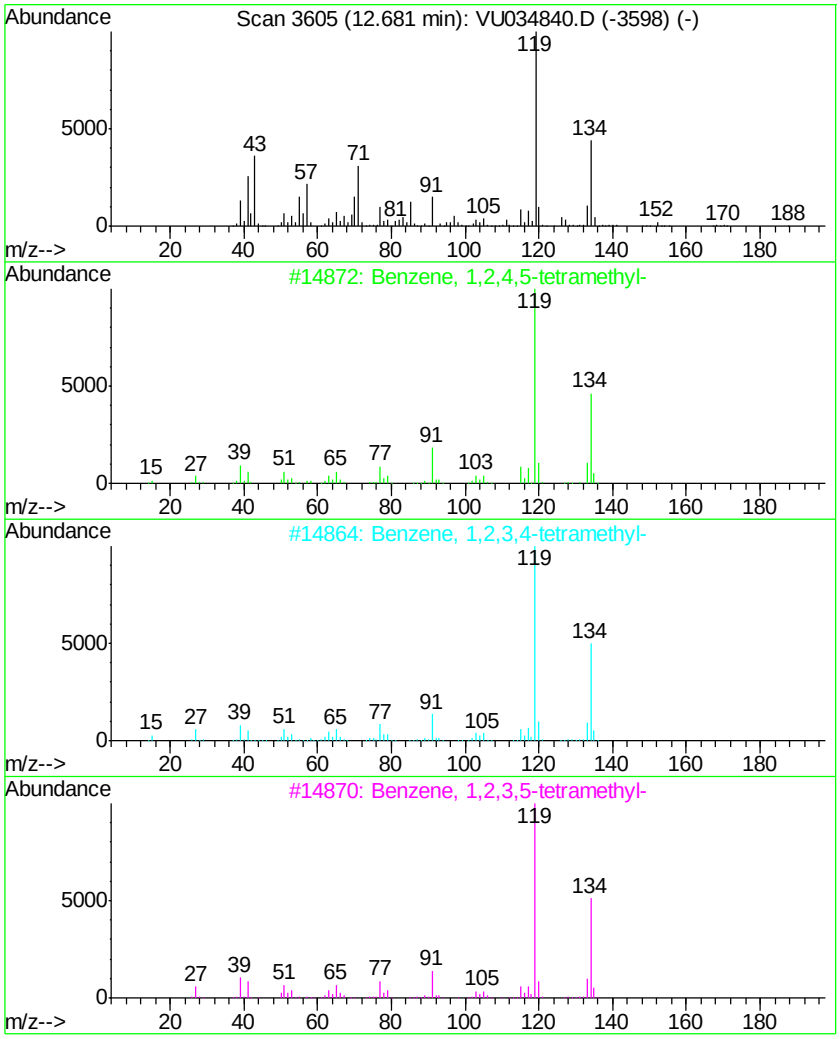
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

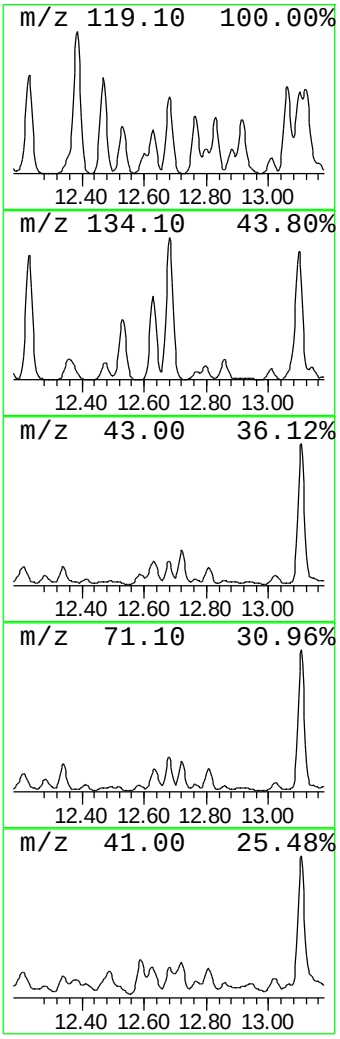
****

Peak Number 44 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	58.98 ug/L	2413690	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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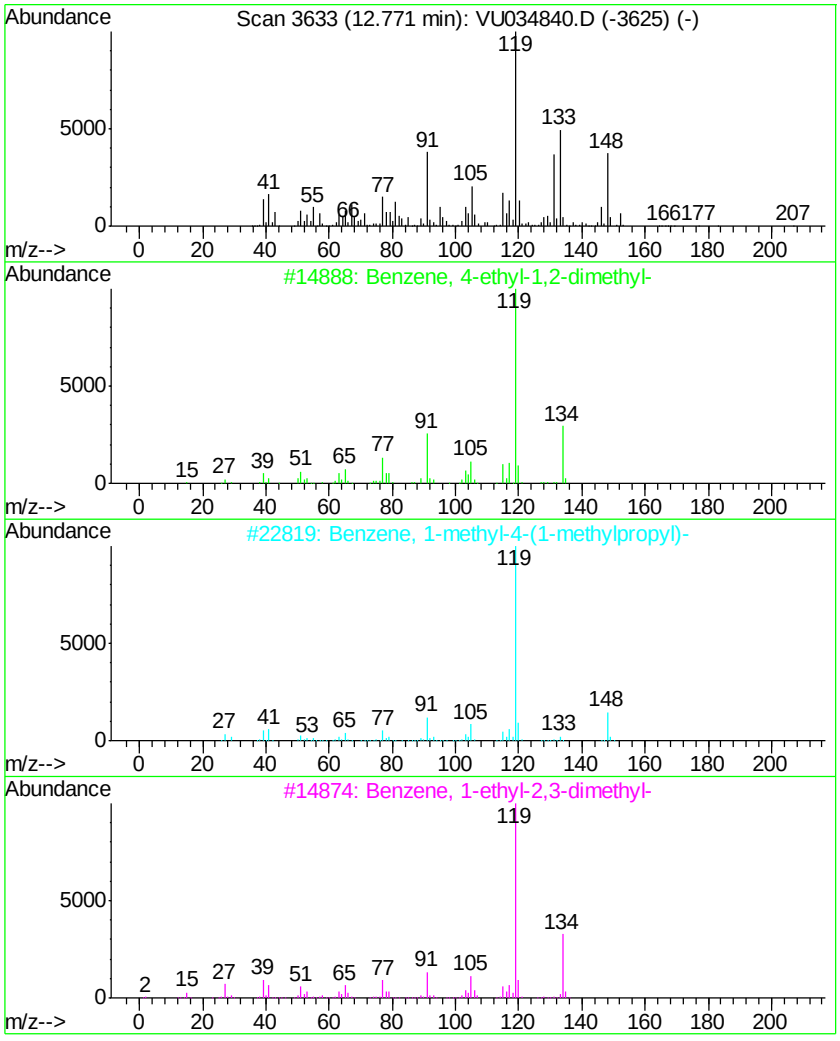
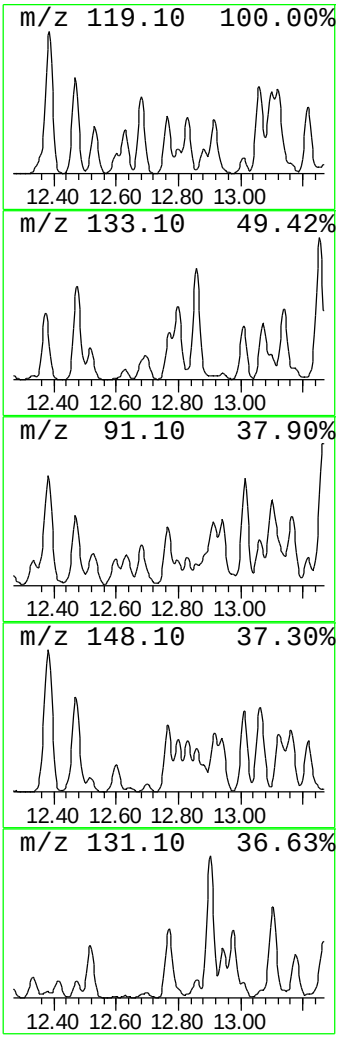
Peak Number 45 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	34.24 ug/L	1401300	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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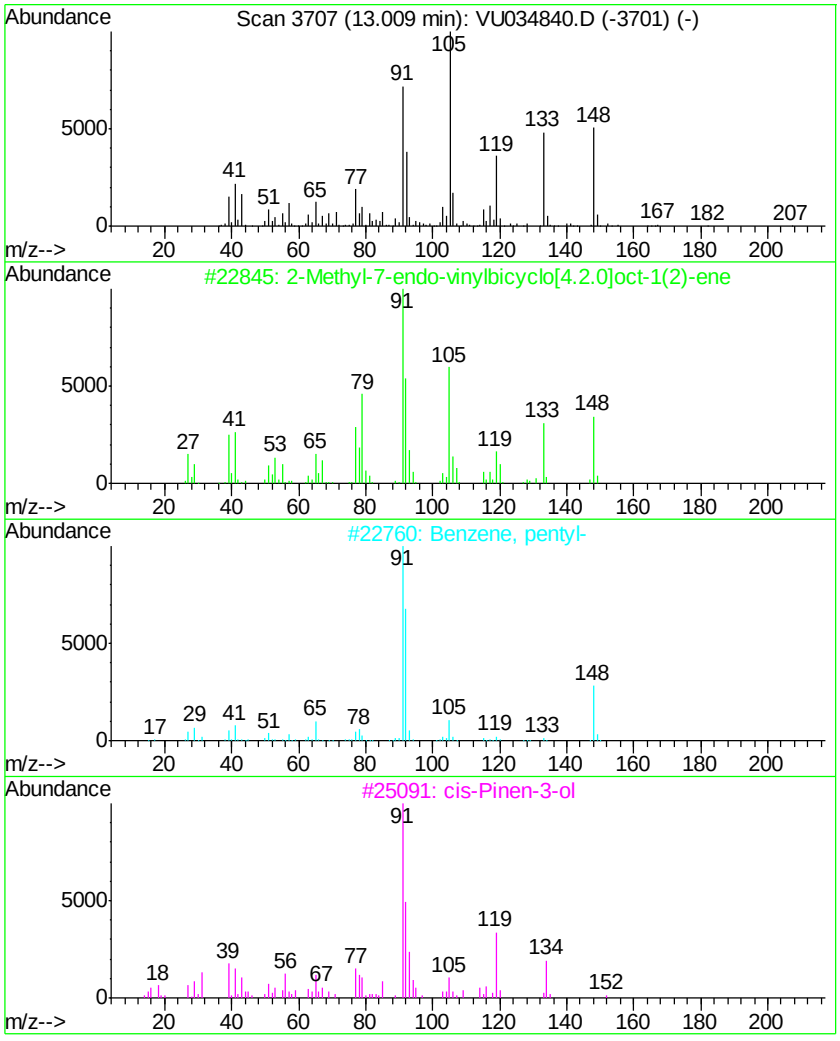
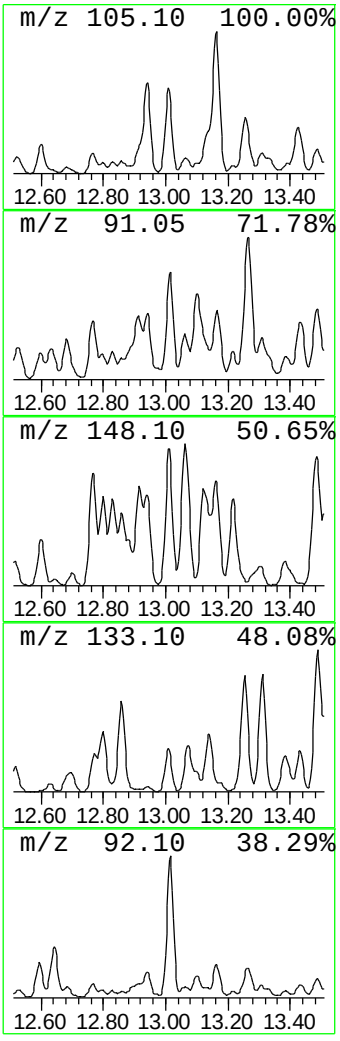
Peak Number 46 2-Methyl-7-endo-vinylbicycl... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	35.46 ug/L	1451020	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	91
2	Benzene, pentyl-	148	C11H16	000538-68-1	43
3	cis-Pinen-3-ol	152	C10H16O	1000292-85-2	41
4	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	38
5	2-Nitrophenyl-.beta.-phenylpropi...	271	C15H13NO4	040123-51-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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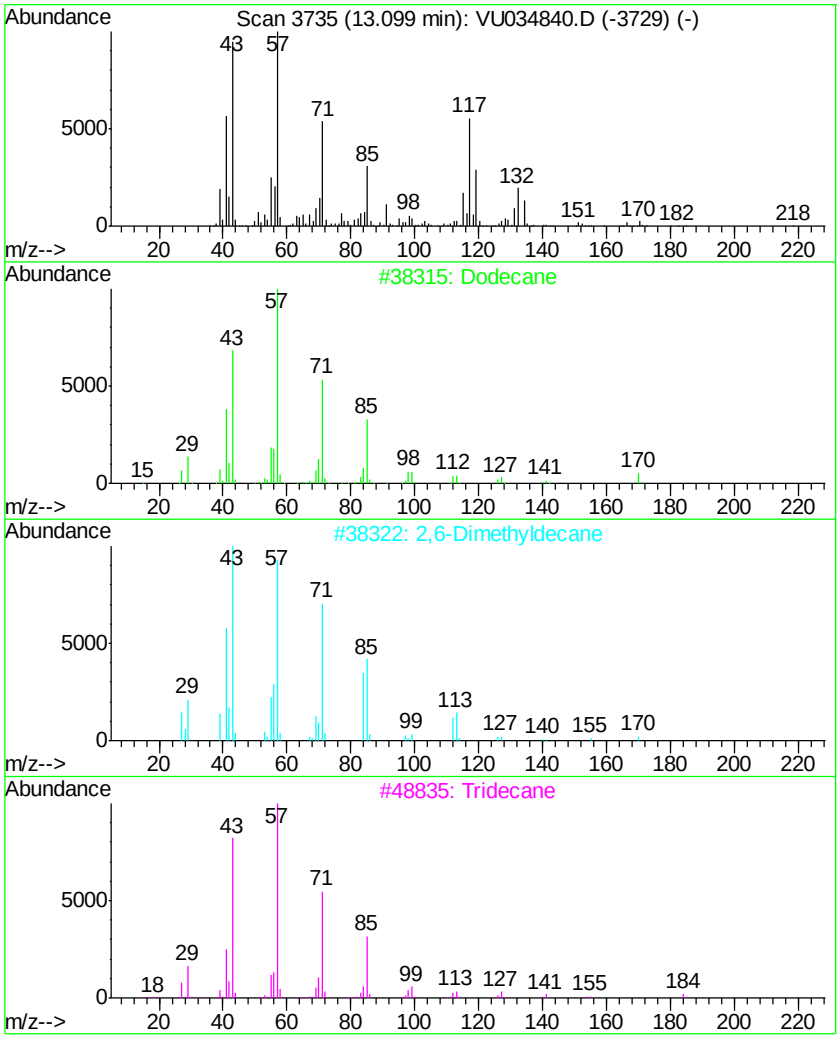
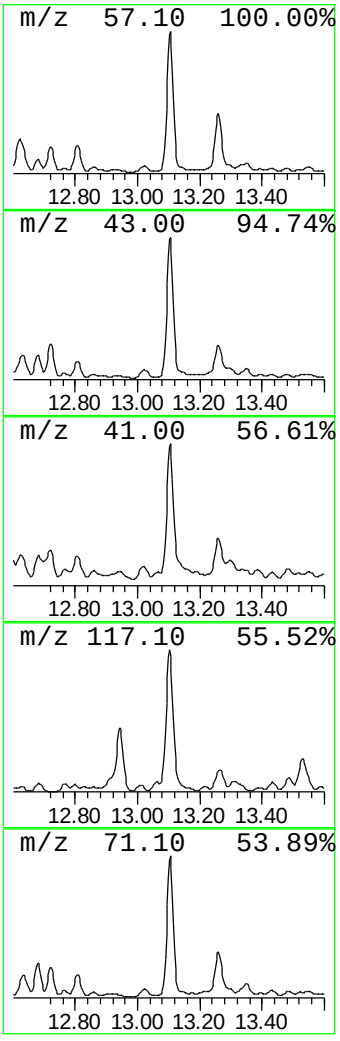
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	186.08 ug/L	7614820	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	70
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	43
3	Tridecane	184	C13H28	000629-50-5	43
4	Tetradecane	198	C14H30	000629-59-4	43
5	Tridecane	184	C13H28	000629-50-5	43





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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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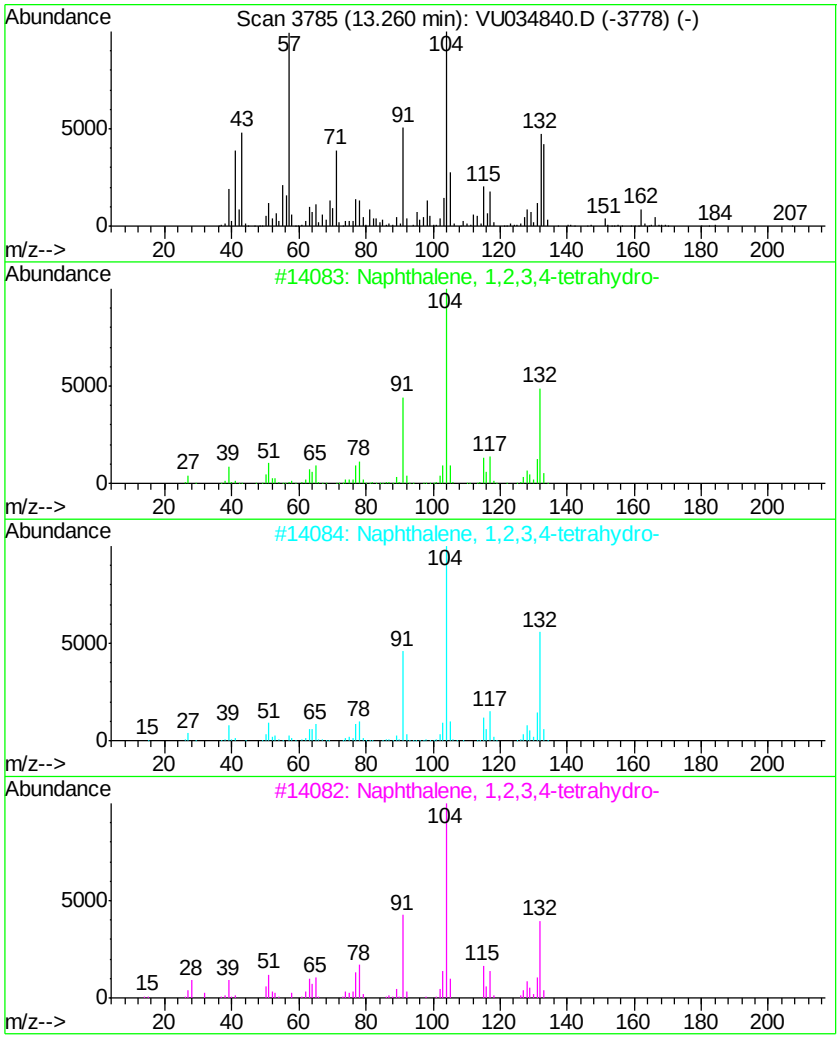
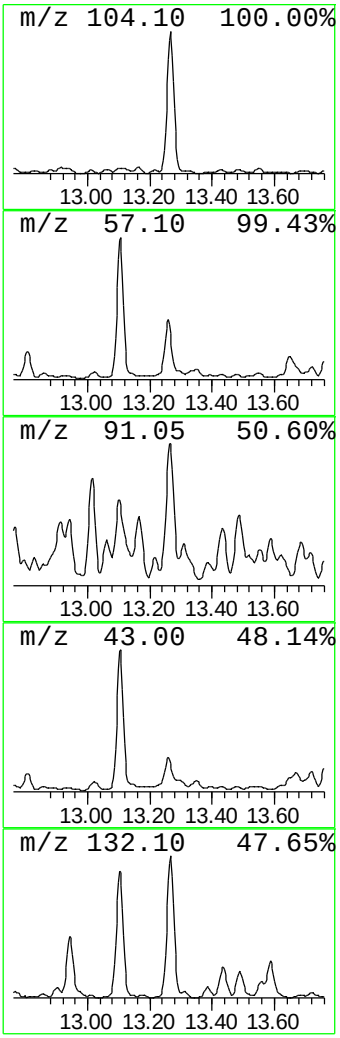
Peak Number 48 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	96.19 ug/L	3936330	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
5	Isoquinoline, 1,2,3,4-tetrahydro...	147	C10H13N	029726-60-1	50





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Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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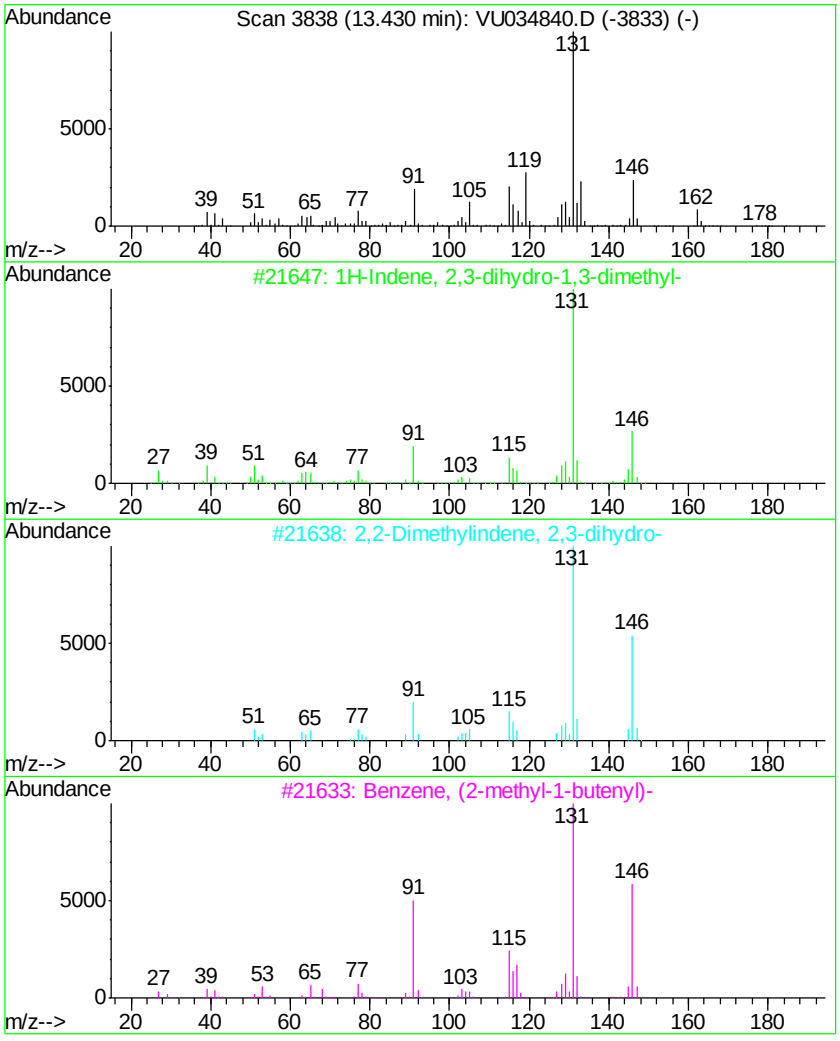
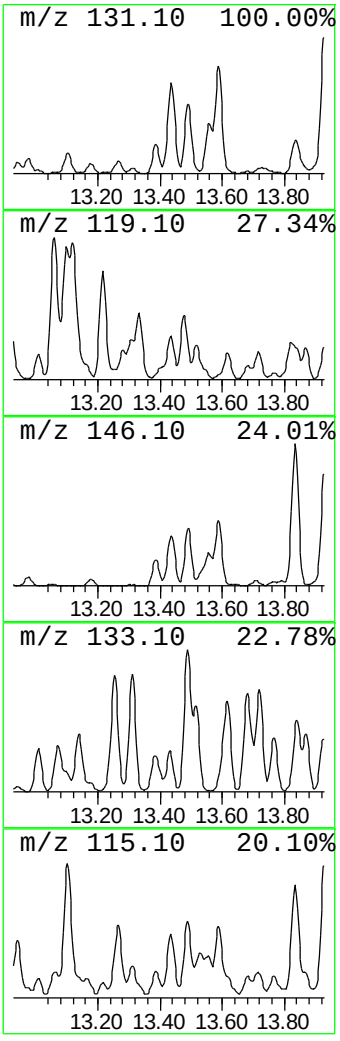
Peak Number 49 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	40.74 ug/L	1667140	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	89
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	89
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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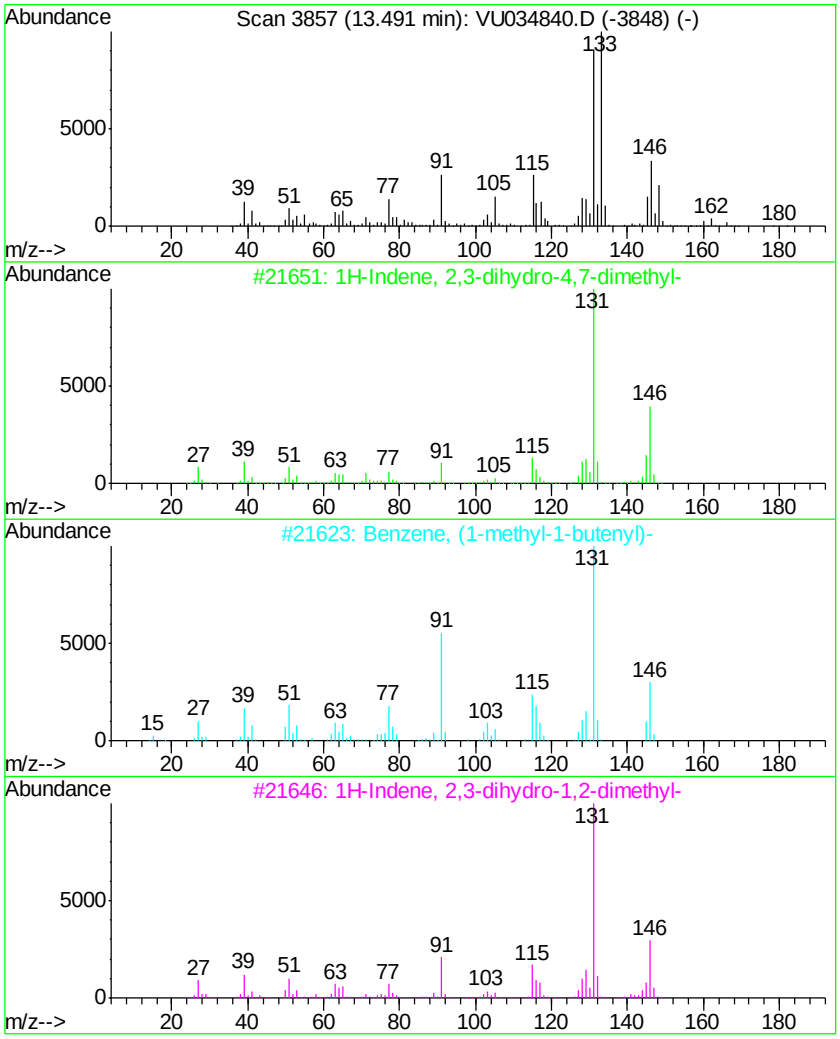
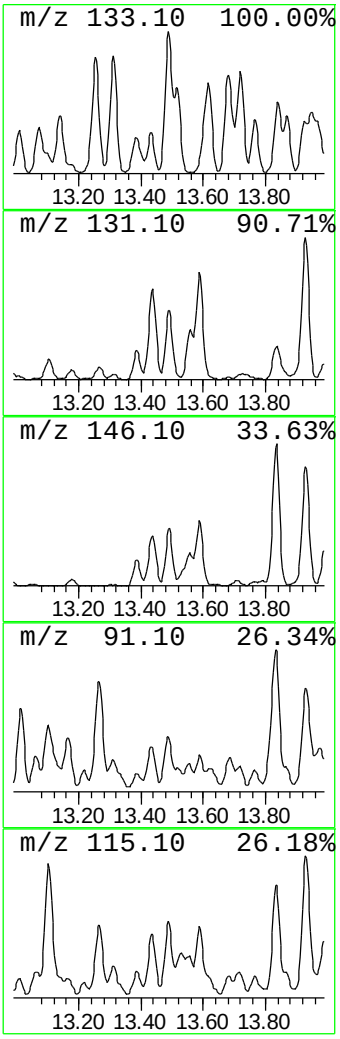
Peak Number 50 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	58.37 ug/L	2388690	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	89
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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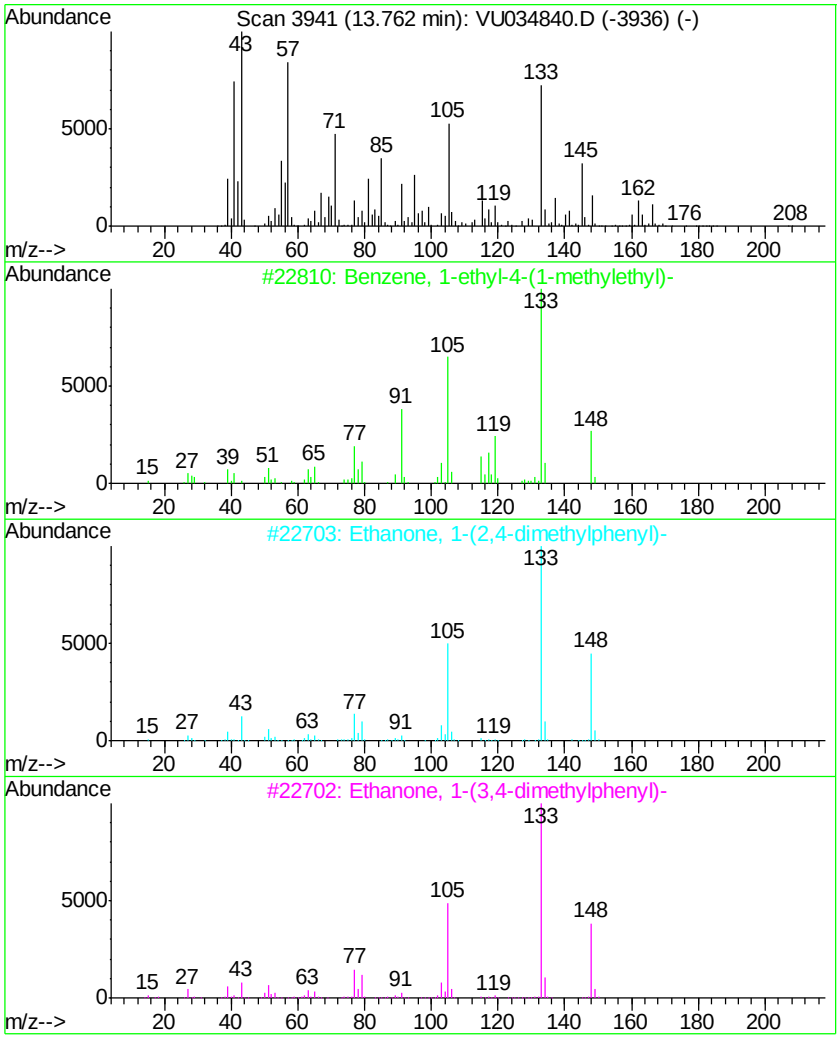
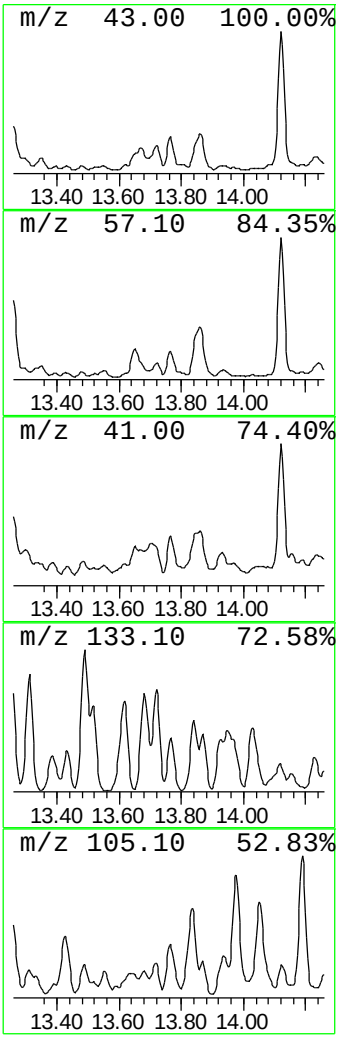
Peak Number 51 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	42.20 ug/L	1726930	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
2	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	42
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	42
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	38
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

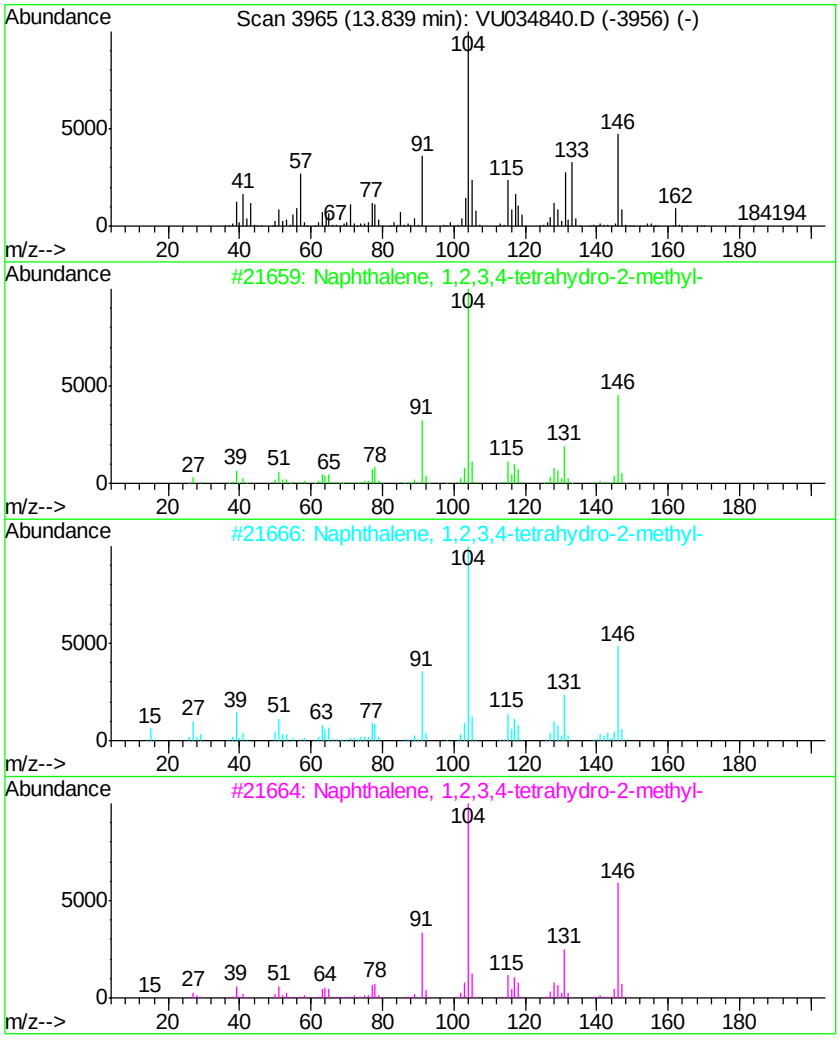
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

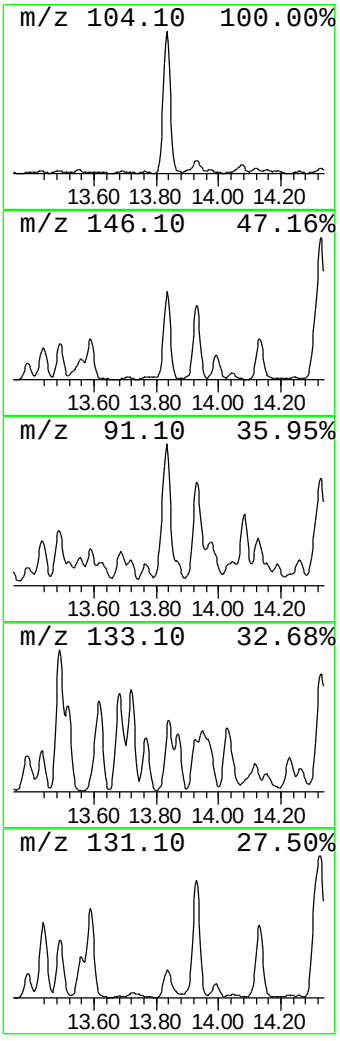
****

Peak Number 52 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	98.71 ug/L	4039380	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	68
5	Pyrazolo[1,5-a]pyridine, 2,3-dim...	146	C9H10N2	028537-56-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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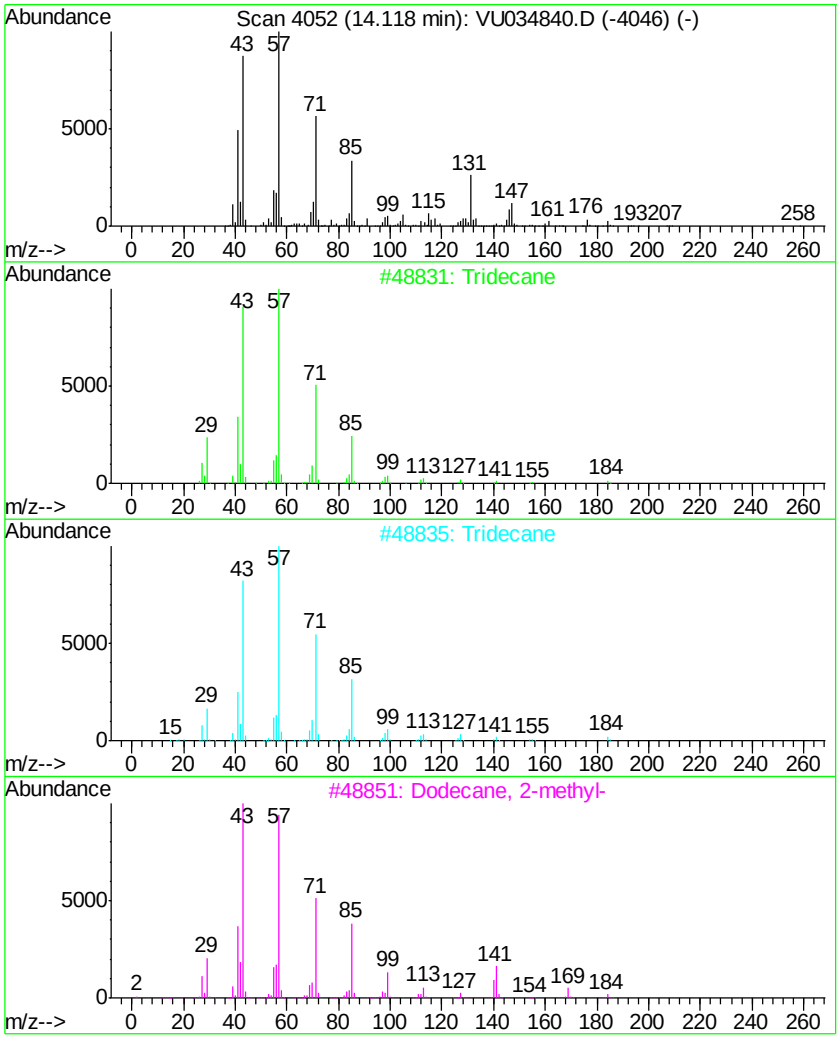
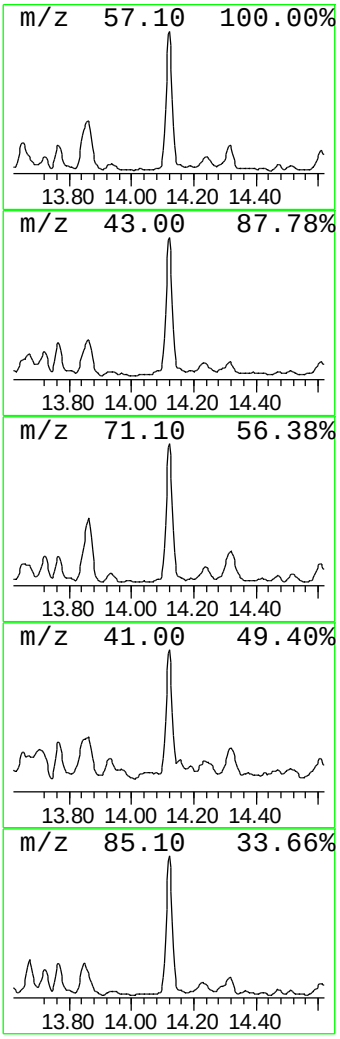
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	125.73 ug/L	5145170	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	92
2	Tridecane	184	C13H28	000629-50-5	78
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
4	Tridecane	184	C13H28	000629-50-5	52
5	Hexadecane	226	C16H34	000544-76-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

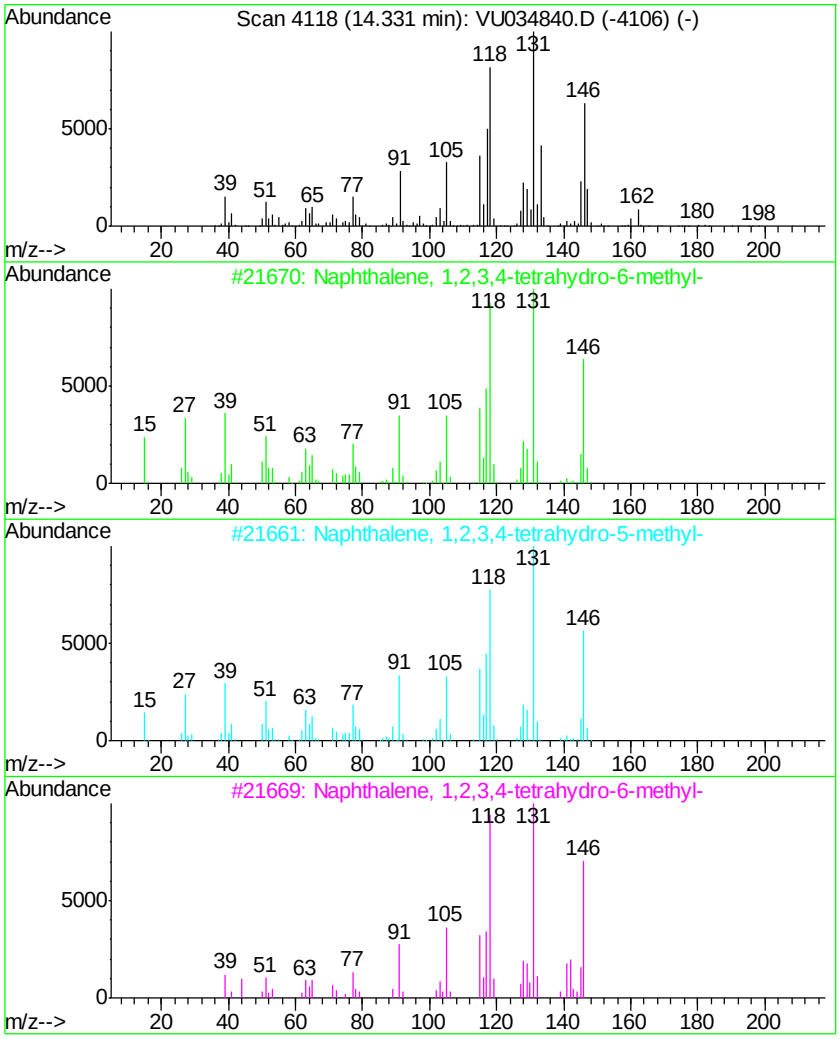
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

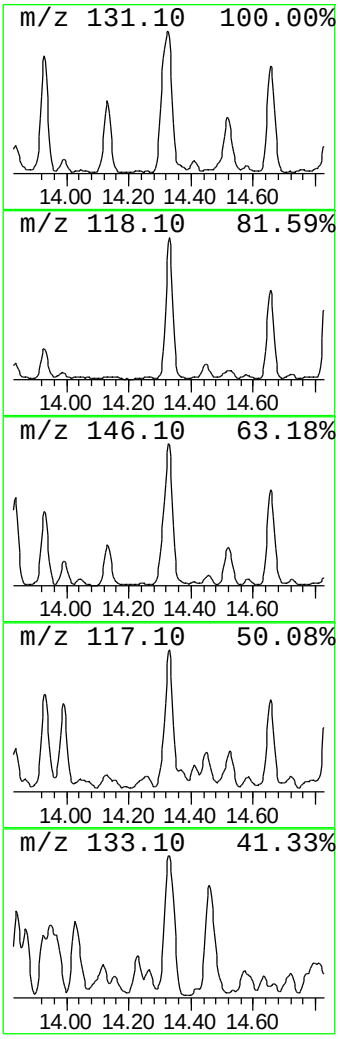
****

Peak Number 55 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	181.16 ug/L	7413720	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	89
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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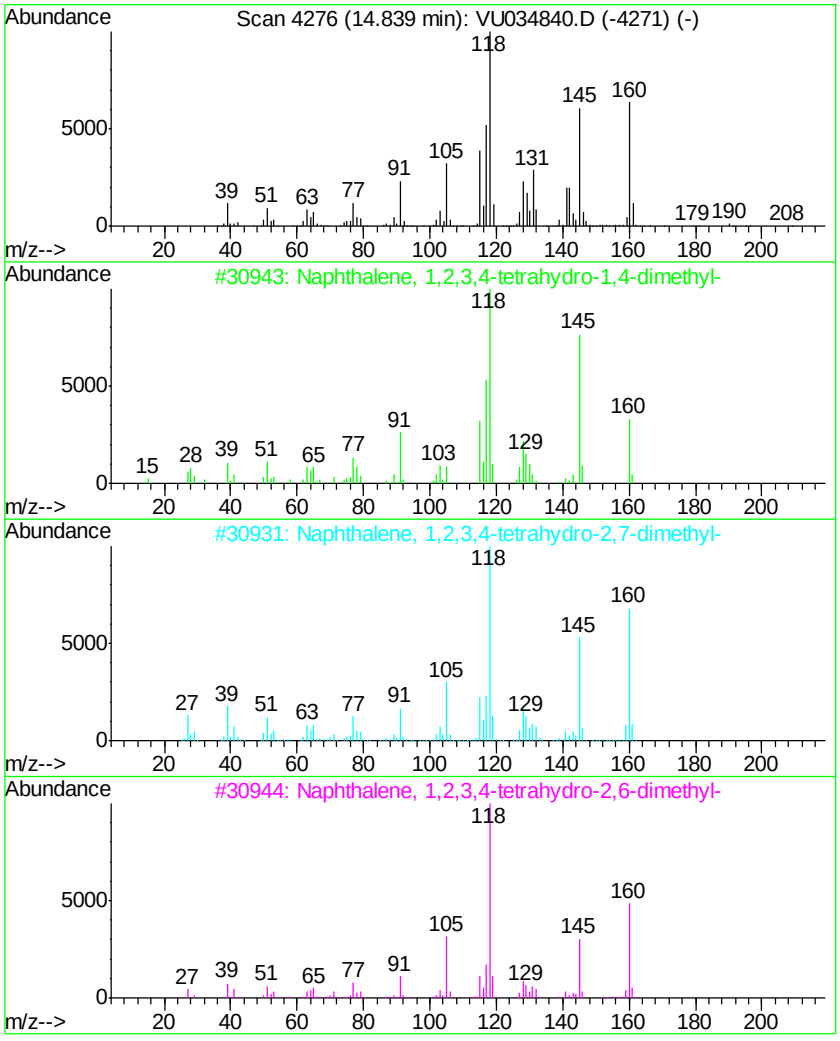
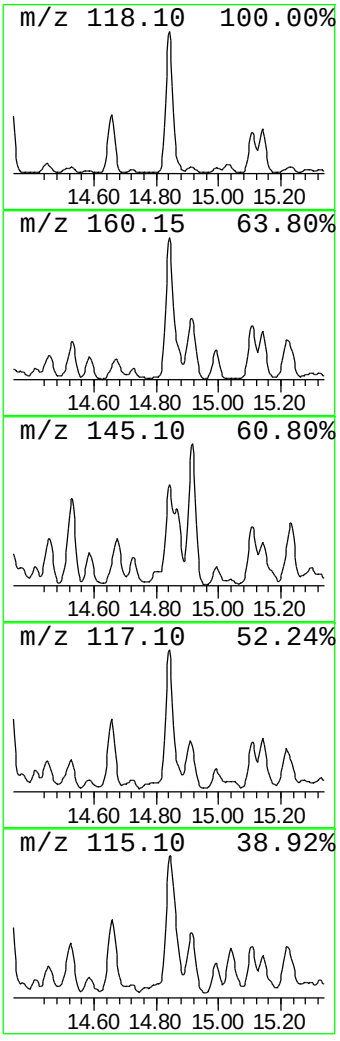
Peak Number 57 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	144.69 ug/L	5920990	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	86
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	53
5	Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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...	5.75	4.6	ug/L	111487	1	5.86	1222970	50.0
(DEL) Alkane: Cyc...	6.61	2.5	ug/L	62475	1	5.86	1222970	50.0
(DEL) Alkane: Cyc...	6.71	4.7	ug/L	116001	1	5.86	1222970	50.0
(DEL) Alkane: Cyc...	6.88	6.0	ug/L	147888	1	5.86	1222970	50.0
(DEL) Alkane: Str...	7.08	2.9	ug/L	71852	1	5.86	1222970	50.0
(DEL) Alkane: Str...	7.15	10.6	ug/L	259267	1	5.86	1222970	50.0
(DEL) Alkane: Str...	7.31	14.8	ug/L	360653	1	5.86	1222970	50.0
(DEL) Alkane: Cyc...	7.42	2.9	ug/L	70697	1	5.86	1222970	50.0
(DEL) Alkane: Cyc...	7.68	7.8	ug/L	230694	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	7.89	17.2	ug/L	510322	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	8.02	13.5	ug/L	400083	2	9.07	1483920	50.0
(DEL) Alkane: Str...	8.20	6.3	ug/L	185790	2	9.07	1483920	50.0
(DEL) Alkane: Str...	8.43	6.4	ug/L	190015	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	8.52	24.2	ug/L	718363	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	8.58	29.9	ug/L	886971	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	8.73	6.7	ug/L	198168	2	9.07	1483920	50.0
(DEL) Alkane: Str...	8.79	12.7	ug/L	376618	2	9.07	1483920	50.0
(DEL) Alkane: Str...	8.89	36.8	ug/L	1092010	2	9.07	1483920	50.0
(DEL) Alkane: Str...	9.01	32.7	ug/L	971426	2	9.07	1483920	50.0
(DEL) Alkane: Str...	9.42	110.3	ug/L	3274570	2	9.07	1483920	50.0
unknown-01	9.54	8.6	ug/L	254207	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	9.69	47.8	ug/L	1418420	2	9.07	1483920	50.0
(DEL) Alkane: Str...	9.93	62.2	ug/L	1844890	2	9.07	1483920	50.0
(DEL) Alkane: Cyc...	10.02	39.9	ug/L	1184770	2	9.07	1483920	50.0
Benzene, propyl-	10.57	19.7	ug/L	805039	3	11.46	2046160	50.0
Benzene, 1-ethyl-...	10.66	75.0	ug/L	3067180	3	11.46	2046160	50.0
(DEL) Alkane: Cyc...	10.73	43.7	ug/L	1788310	3	11.46	2046160	50.0
(DEL) Alkane: Str...	10.79	127.6	ug/L	5223540	3	11.46	2046160	50.0
Benzene, 1-ethyl-...	10.95	52.1	ug/L	2131000	3	11.46	2046160	50.0
(DEL) Alkane: Str...	11.09	35.8	ug/L	1466830	3	11.46	2046160	50.0
Benzene, 1,2,3-tr...	11.13	42.9	ug/L	1756550	3	11.46	2046160	50.0
(DEL) Alkane: Cyc...	11.38	29.0	ug/L	1187980	3	11.46	2046160	50.0
(DEL) Alkane: Str...	11.59	25.9	ug/L	1058970	3	11.46	2046160	50.0
(DEL) Alkane: Str...	11.68	30.3	ug/L	1238260	3	11.46	2046160	50.0
Benzene, 1,2-diet...	11.76	30.1	ug/L	1231590	3	11.46	2046160	50.0
(DEL) Alkane: Str...	12.00	150.0	ug/L	6138190	3	11.46	2046160	50.0
Benzene, 2-ethyl-...	12.12	27.8	ug/L	1139220	3	11.46	2046160	50.0
Indan, 1-methyl-	12.34	37.4	ug/L	1531410	3	11.46	2046160	50.0
Benzene, 1,3-diet...	12.47	67.9	ug/L	2778490	3	11.46	2046160	50.0
(DEL) Alkane: Cyc...	12.59	48.7	ug/L	1994060	3	11.46	2046160	50.0
Benzene, 1,2,4,5-...	12.68	59.0	ug/L	2413690	3	11.46	2046160	50.0
Benzene, 4-ethyl-...	12.77	34.2	ug/L	1401300	3	11.46	2046160	50.0
2-Methyl-7-endo-v...	13.01	35.5	ug/L	1451020	3	11.46	2046160	50.0
(DEL) Alkane: Str...	13.10	186.1	ug/L	7614820	3	11.46	2046160	50.0
Naphthalene, 1,2,...	13.26	96.2	ug/L	3936330	3	11.46	2046160	50.0
1H-Indene, 2,3-di...	13.43	40.7	ug/L	1667140	3	11.46	2046160	50.0
1H-Indene, 2,3-di...	13.49	58.4	ug/L	2388690	3	11.46	2046160	50.0
Benzene, 1-ethyl-...	13.76	42.2	ug/L	1726930	3	11.46	2046160	50.0
Naphthalene, 1,2,...	13.84	98.7	ug/L	4039380	3	11.46	2046160	50.0

(DEL) Alkane: Str...	14.12	125.7	ug/L	5145170	3	11.46	2046160	50.0
Naphthalene, 1,2,...	14.33	181.2	ug/L	7413720	3	11.46	2046160	50.0
Naphthalene, 1,2,...	14.84	144.7	ug/L	5920990	3	11.46	2046160	50.0

Instrument :
MSVOA_U
ClientSampleId :
BEDL2