LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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	83	rVB	233445	273351	6.73%	0.306%
2	1.640	106	145	157	rBV	305222	773857	19.06%	0.867%
3	2.235	318	330	345	rBV	402136	619863	15.27%	0.694%
4	2.964	540	557	577	rVB2	117074	253281	6.24%	0.284%
5	4.193	925	939	984	rBV2	130293	500605	12.33%	0.561%
6	4.643	1061	1079	1116	rBV	276232	724911	17.86%	0.812%
7	4.977	1164	1183	1198	rVV2	257339	626345	15.43%	0.701%
8	5.064	1198	1210	1227	rVB2	108918	266095	6.56%	0.298%
9	5.241	1237	1265	1275	rBV2	110957	301310	7.42%	0.337%
10	5.328	1275	1292	1318	rVV2	666041	1887822	46.51%	2.114%
11	5.469	1318	1336	1347	rVV3	421095	962819	23.72%	1.078%
12	5.540	1347	1358	1369	rVV2	357944	798233	19.66%	0.894%
13	5.611	1369	1380	1402	rVB	657797	1455366	35.85%	1.630%
14	5.881	1448	1464	1494	rBV	628346	1322232	32.57%	1.481%
15	6.328	1590	1603	1611	rVV	416451	861856	21.23%	0.965%
16	6.405	1611	1627	1640	rVV3	1634090	4059389	100.00%	4.545%
17	6.527	1655	1665	1680	rVB2	109909	213282	5.25%	0.239%
18	6.733	1711	1729	1746	rBV	483514	982838	24.21%	1.101%
19	6.897	1761	1780	1801	rBV2	633482	1259593	31.03%	1.410%
20	7.096	1831	1842	1849	rBV	95954	171189	4.22%	0.192%
21	7.141	1850	1856	1870	rVB2	97289	178649	4.40%	0.200%
22	7.228	1870	1883	1898	rBV2	251888	724070	17.84%	0.811%
23	7.369	1915	1927	1935	rBV	111587	197097	4.86%	0.221%
24	7.431	1935	1946	1961	rVB3	130354	322203	7.94%	0.361%
25	7.524	1961	1975	1981	rBV3	1088386	2095487	51.62%	2.346%
26	7.559	1981	1986	2014	rVB2	1196058	2078574	51.20%	2.327%
27	7.697	2016	2029	2038	rBV5	266605	579725	14.28%	0.649%
28	7.768	2044	2051	2065	rVB	409392	756798	18.64%	0.847%
29	7.852	2065	2077	2085	rBV	188782	354892	8.74%	0.397%
30	7.913	2085	2096	2116	rVB2	984418	1832486	45.14%	2.052%
31	8.041	2117	2136	2146	rBV2	262837	512265	12.62%	0.574%
32	8.221	2181	2192	2204	rVB2	193817	338046	8.33%	0.379%
33	8.324	2205	2224	2235	rBV	1332069	2497558	61.53%	2.797%
34	8.450	2248	2263	2268	rBV2	237008	427949	10.54%	0.479%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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

35	8.543	2281	2292	2301	rVB	831034	1383433	34.08%	1.549%
36	8.604	2301	2311	2321	rBV	1271830	2306150	56.81%	2.582%
37	8.755	2345	2358	2367	rBV	425078	763393	18.81%	0.855%
38	8.813	2367	2376	2379	rBV	331227	477001	11.75%	0.534%
39	8.845	2380	2386	2413	rVB3	651305	1432609	35.29%	1.604%
40	9.022	2433	2441	2452	rBV	195019	339625	8.37%	0.380%
41	9.090	2452	2462	2474	rBV	924564	1531077	37.72%	1.714%
42	9.164	2475	2485	2486	rBV2	137412	175655	4.33%	0.197%
43	9.241	2500	2509	2525	rVB2	289936	560680	13.81%	0.628%
44	9.347	2525	2542	2550	rVV4	458320	1059444	26.10%	1.186%
45	9.402	2551	2559	2566	rVV2	656544	1190821	29.33%	1.333%
46	9.443	2566	2572	2597	rVB2	416383	907697	22.36%	1.016%
47	9.562	2597	2609	2622	rBV4	358147	674868	16.62%	0.756%
48	9.717	2642	2657	2676	rBV5	669828	1578133	38.88%	1.767%
49	9.816	2677	2688	2695	rBV5	200288	379823	9.36%	0.425%
50	9.948	2711	2729	2739	rBV2	1963489	3627209	89.35%	4.061%
51	10.041	2740	2758	2765	rVV2	990136	2147273	52.90%	2.404%
52	10.086	2765	2772	2784	rVV	1219066	2100068	51.73%	2.352%
53	10.160	2785	2795	2805	rVB5	318991	618812	15.24%	0.693%
54	10.221	2805	2814	2818	rBV4	249854	398172	9.81%	0.446%
55	10.254	2819	2824	2835	rVB4	283636	453881	11.18%	0.508%
56	10.376	2853	2862	2870	rBV	258695	392320	9.66%	0.439%
57	10.437	2870	2881	2888	rBV	662223	1165810	28.72%	1.305%
58	10.488	2888	2897	2915	rVB4	1083453	2025519	49.90%	2.268%
59	10.588	2921	2928	2933	rBV	177053	241277	5.94%	0.270%
60	10.633	2934	2942	2954	rVV5	323829	767588	18.91%	0.859%
61	10.697	2956	2962	2970	rVV7	371886	693910	17.09%	0.777%
62	10.749	2970	2978	2988	rVV3	807805	1430980	35.25%	1.602%
63	10.810	2989	2997	3007	rVV7	362611	763715	18.81%	0.855%
64	10.861	3009	3013	3021	rVB3	145747	196495	4.84%	0.220%
65	10.971	3040	3047	3053	rBV3	141799	274299	6.76%	0.307%
66	11.070	3070	3078	3085	rVB7	158104	267161	6.58%	0.299%
67	11.144	3086	3101	3107	rBV4	361974	803416	19.79%	0.900%
68	11.270	3128	3140	3145	rBV4	223944	439553	10.83%	0.492%
69	11.334	3154	3160	3170	rVB6	556915	921903	22.71%	1.032%
70	11.395	3172	3179	3187	rVB	526597	719791	17.73%	0.806%
71	11.440	3188	3193	3199	rVB4	239696	282924	6.97%	0.317%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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

72	11.485	3199	3207	3216	rBV	1060777	1607926	39.61%	1.800%
73	11.662	3256	3262	3271	rVB3	312823	443138	10.92%	0.496%
74	11.778	3289	3298	3308	rBV9	230930	488168	12.03%	0.547%
75	11.861	3314	3324	3342	rVB4	1415998	2903288	71.52%	3.251%
76	12.183	3413	3424	3432	rBV4	397570	817386	20.14%	0.915%
77	12.356	3470	3478	3487	rBV3	348081	673764	16.60%	0.754%
78	12.443	3499	3505	3512	rVB5	261219	383087	9.44%	0.429%
79	12.511	3519	3526	3545	rVB3	713226	1423474	35.07%	1.594%
80	12.610	3547	3557	3564	rBV2	858069	1466003	36.11%	1.642%
81	12.723	3583	3592	3603	rVB4	540352	888343	21.88%	0.995%
82	12.784	3605	3611	3624	rVV8	181455	324453	7.99%	0.363%
83	12.880	3634	3641	3650	rBV4	231925	427882	10.54%	0.479%
84	13.118	3707	3715	3736	rVB3	1303800	2615618	64.43%	2.929%
85	13.292	3760	3769	3772	rBV7	395323	664069	16.36%	0.744%
86	13.408	3798	3805	3812	rVB5	236050	326329	8.04%	0.365%
87	13.507	3829	3836	3843	rBV2	268990	418421	10.31%	0.469%
88	13.675	3883	3888	3896	rVB2	354461	480110	11.83%	0.538%
89	13.726	3897	3904	3915	rVB4	490772	833700	20.54%	0.934%
90	13.790	3916	3924	3938	rBV5	433670	815349	20.09%	0.913%
91	13.880	3946	3952	3959	rBV2	337809	449038	11.06%	0.503%
92	14.054	4000	4006	4022	rVB6	251176	678316	16.71%	0.760%
93	14.176	4039	4044	4052	rVB4	206938	278008	6.85%	0.311%
94	14.244	4061	4065	4072	rVB3	149126	162680	4.01%	0.182%
95	14.340	4086	4095	4107	rVB7	376883	789282	19.44%	0.884%
96	14.887	4253	4265	4275	rBV2	285380	709265	17.47%	0.794%
97	15.662	4500	4506	4515	rVB2	204474	291671	7.19%	0.327%
98	15.916	4575	4585	4598	rBV5	190997	386058	9.51%	0.432%
99	16.057	4623	4629	4636	rBV	215980	331901	8.18%	0.372%
100	16.102	4637	4643	4660	rVB4	267858	528206	13.01%	0.591%

Sum of corrected areas: 89307454

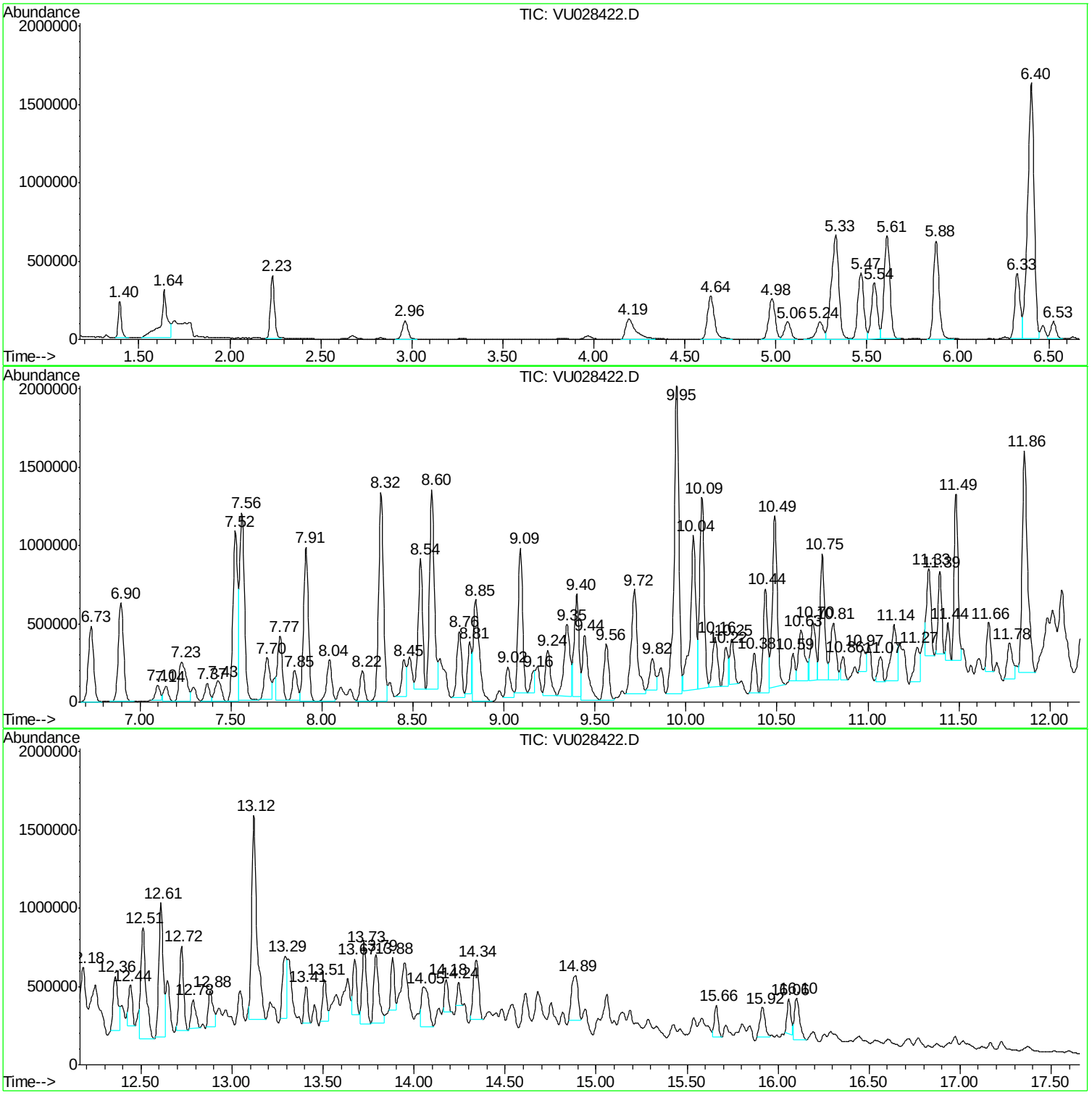
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

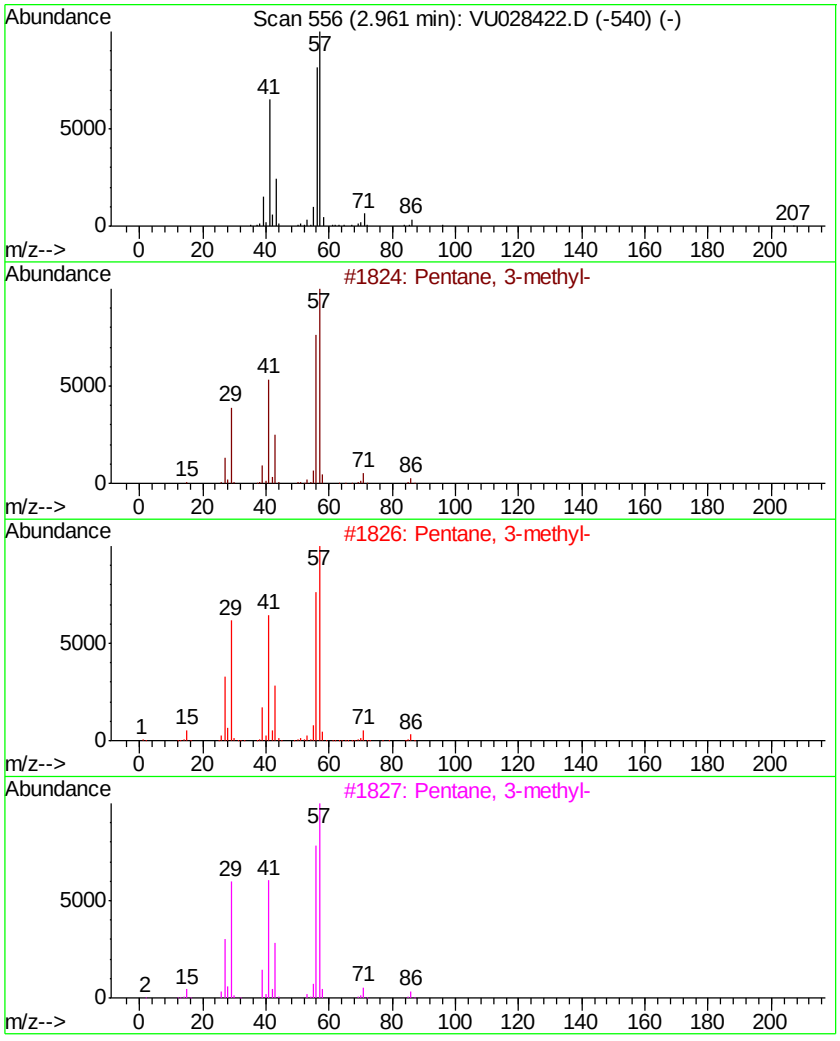
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

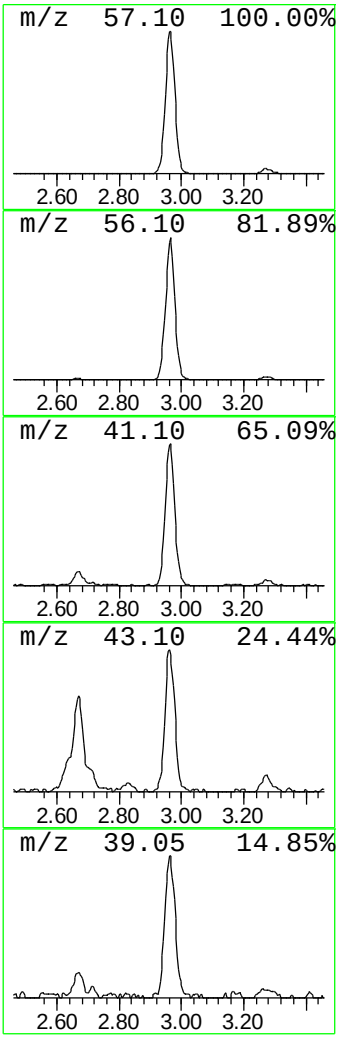
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	9.58 ug/L	253281	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	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

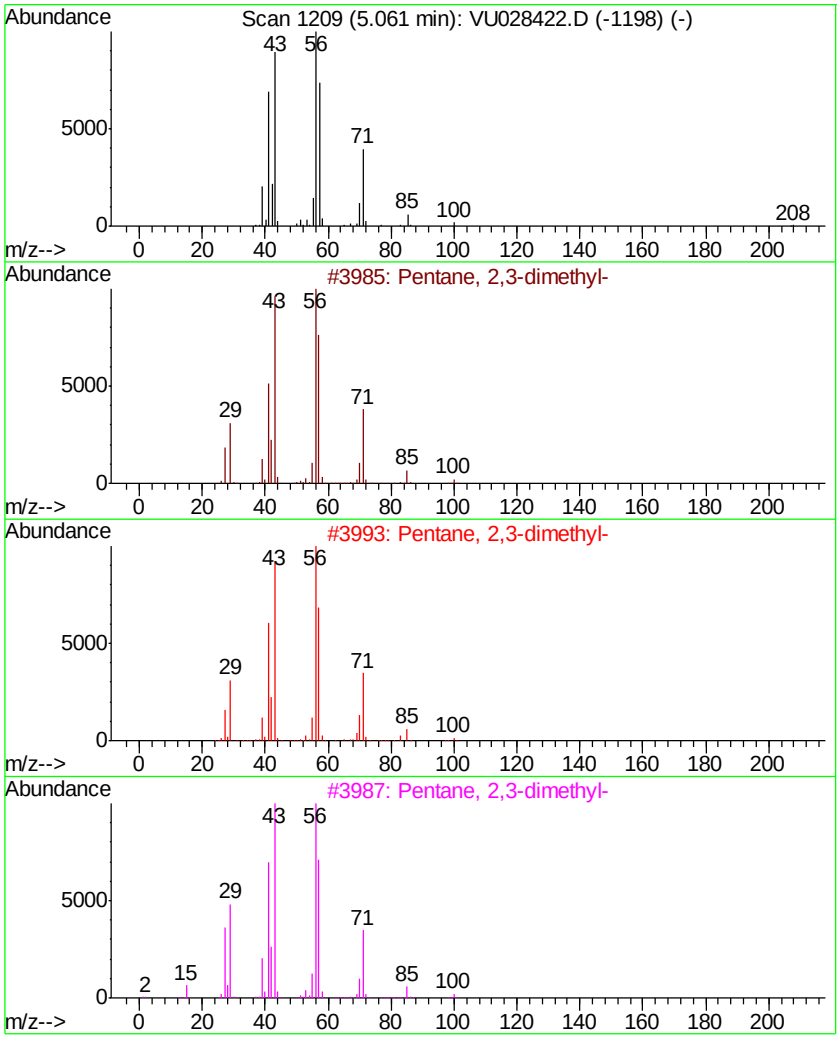
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

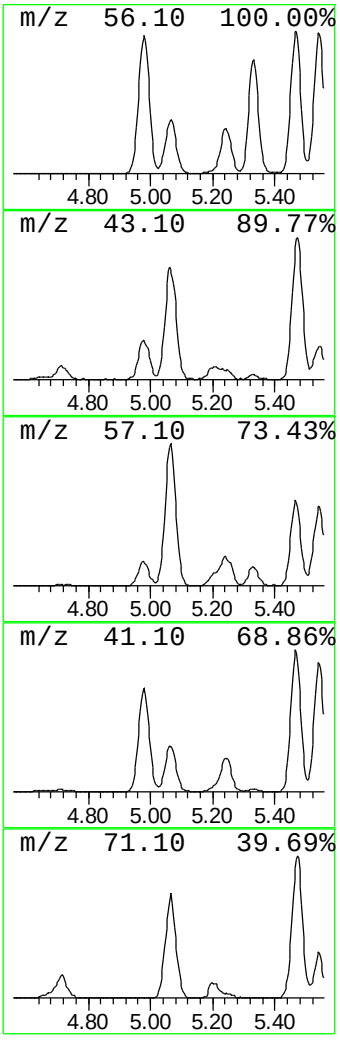
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	10.06 ug/L	266095	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	49
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

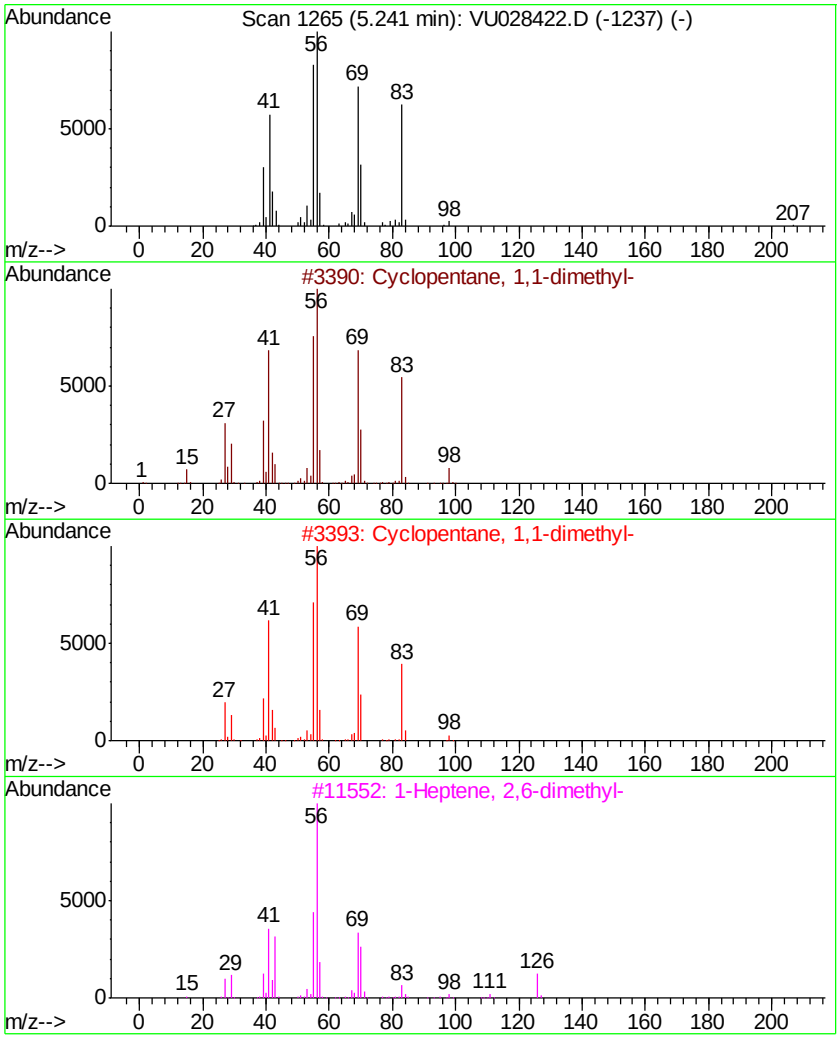
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

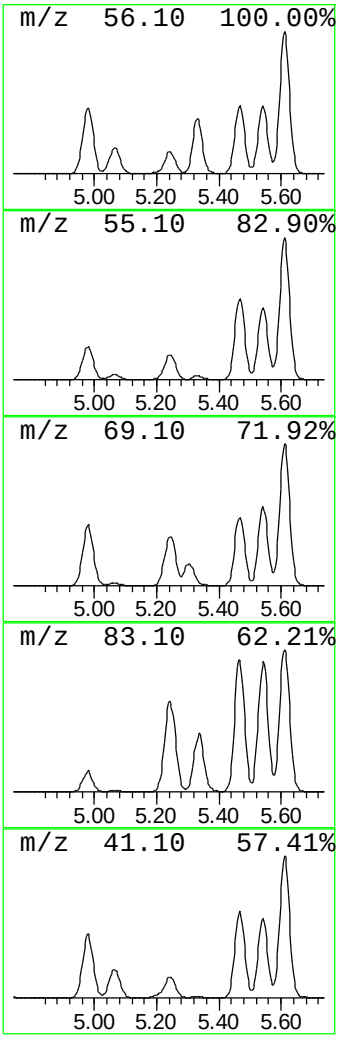
****

Peak Number 3 (DEL) Alkane: Cyclic5.24 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	11.39 ug/L	301310	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	90
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	80
3	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	53
4	2-Heptene	98	C7H14	000592-77-8	53
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

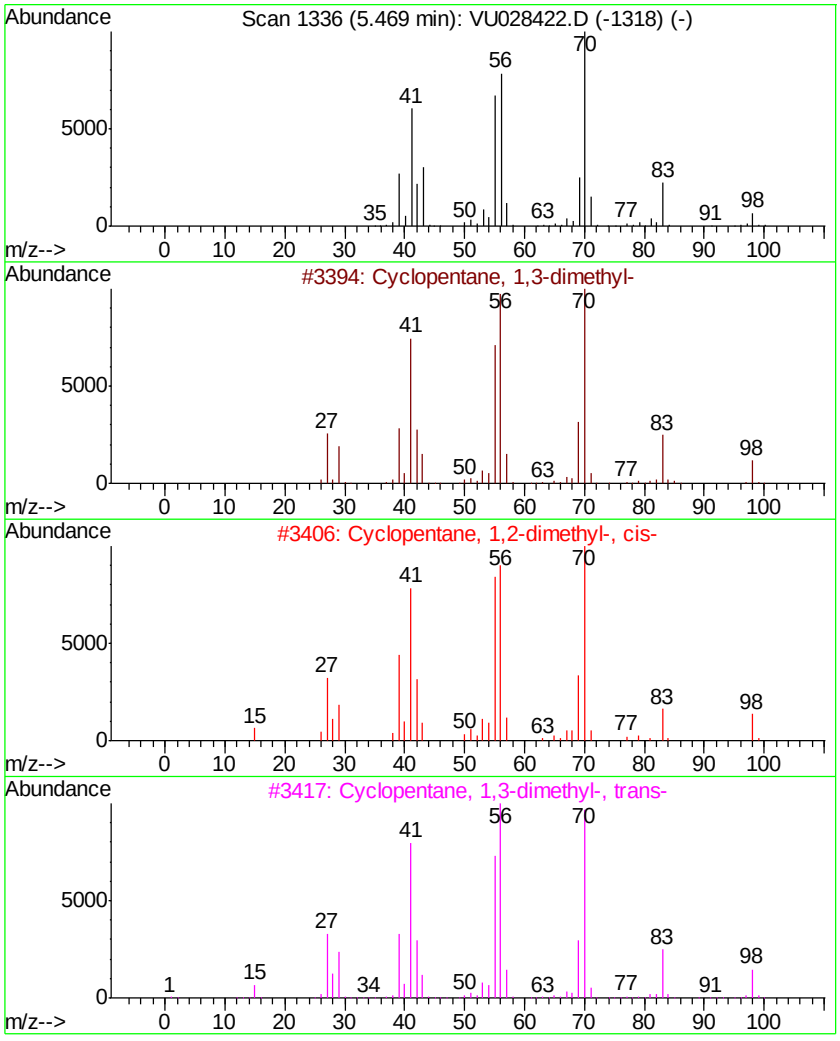
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

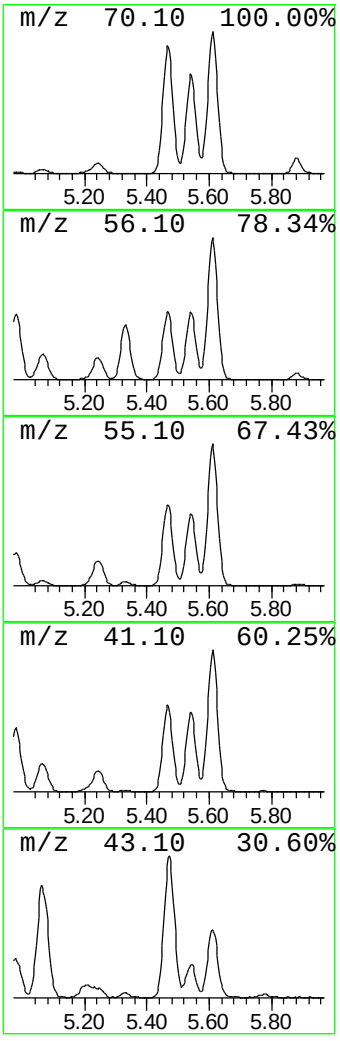
****

Peak Number 4 (DEL) Alkane: Cyclic5.47 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	36.41 ug/L	962819	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, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	72
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

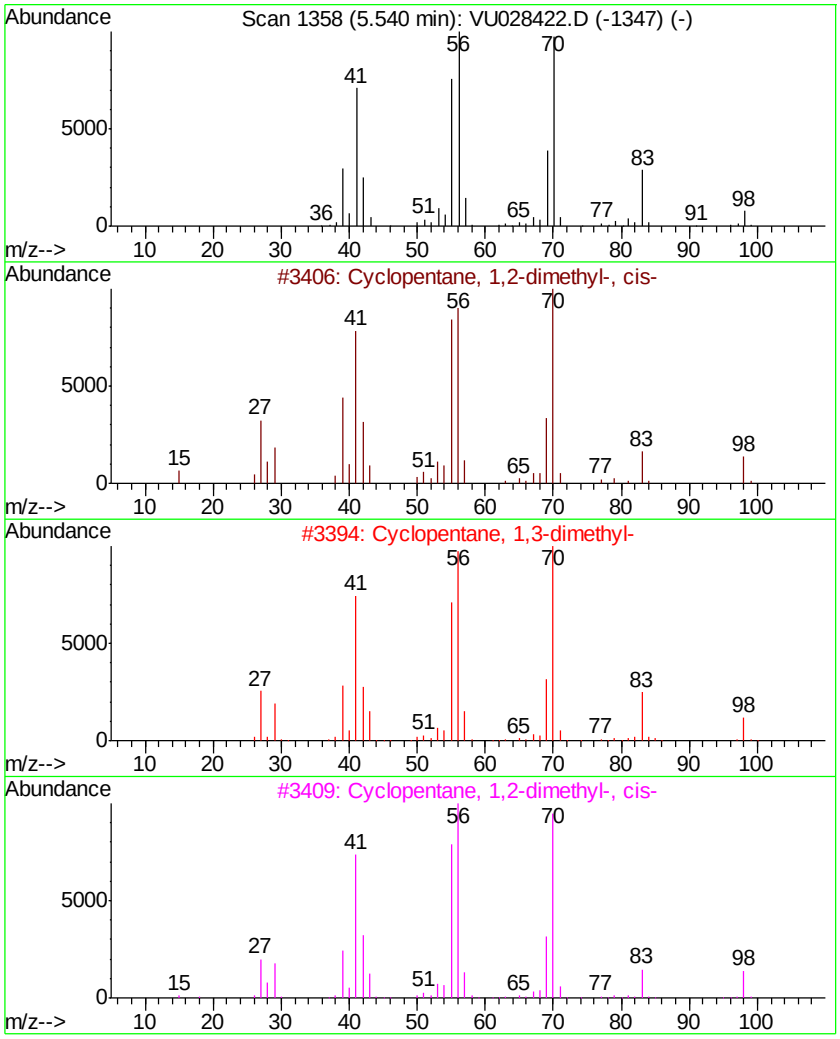
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

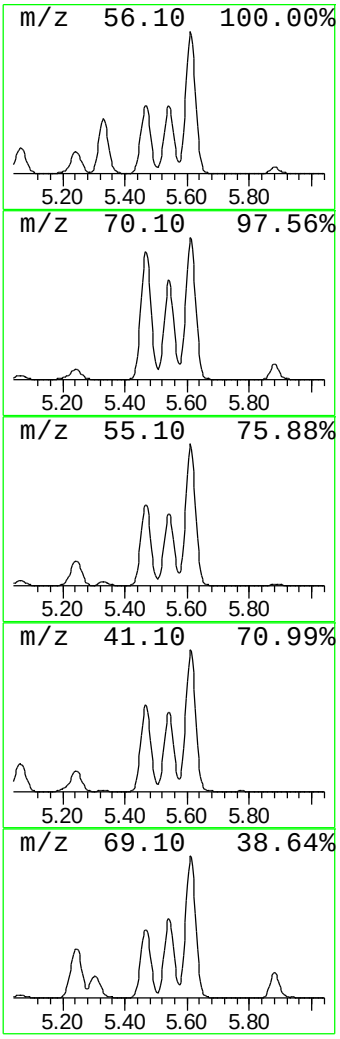
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	30.19 ug/L	798233	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

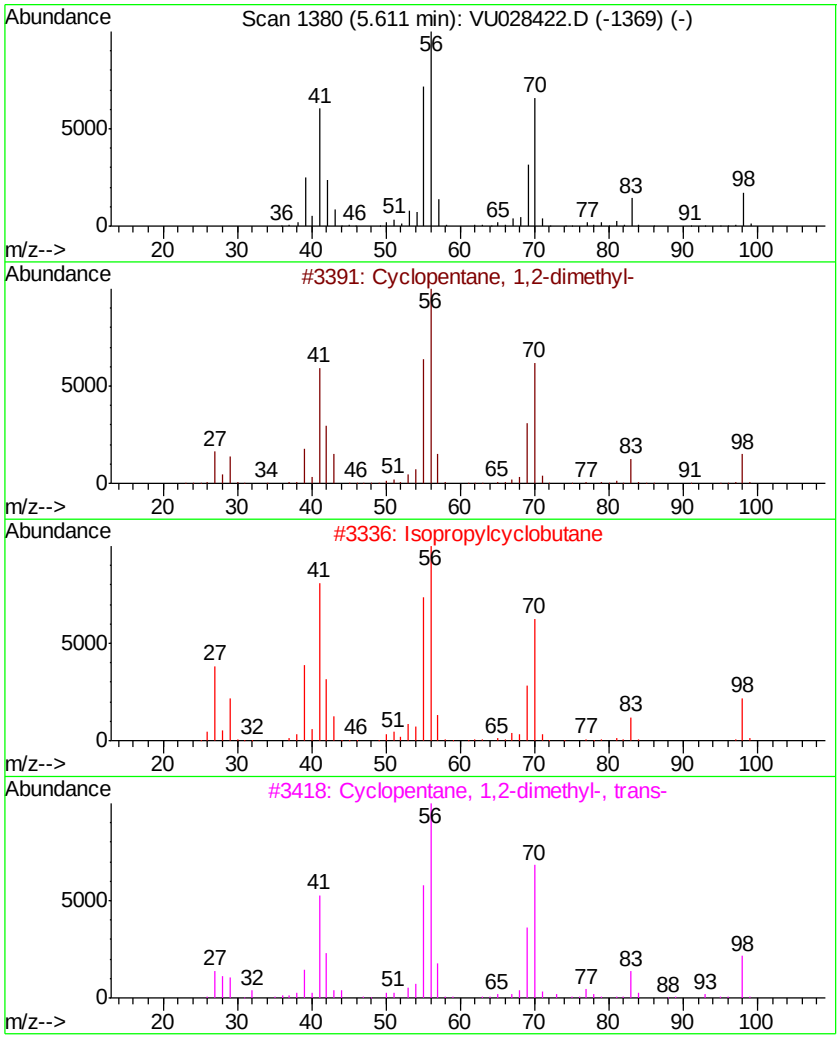
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

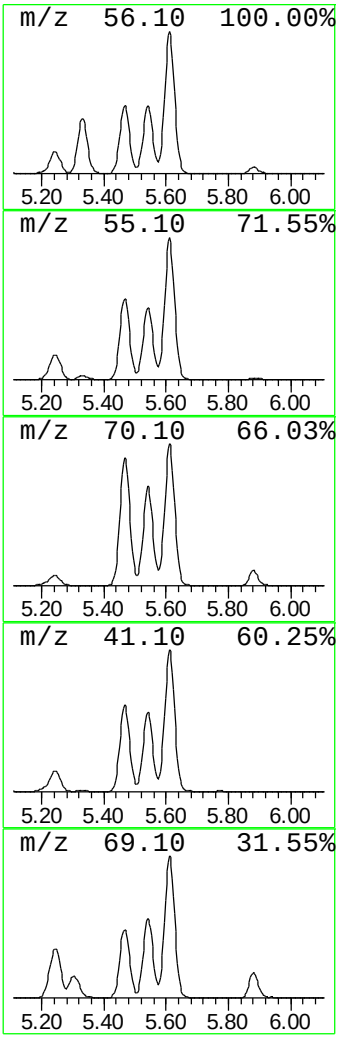
****

Peak Number 6 (DEL) Alkane: Cyclic5.61 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	55.03 ug/L	1455370	1,4-Difluorobenzene	5.88

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





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Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

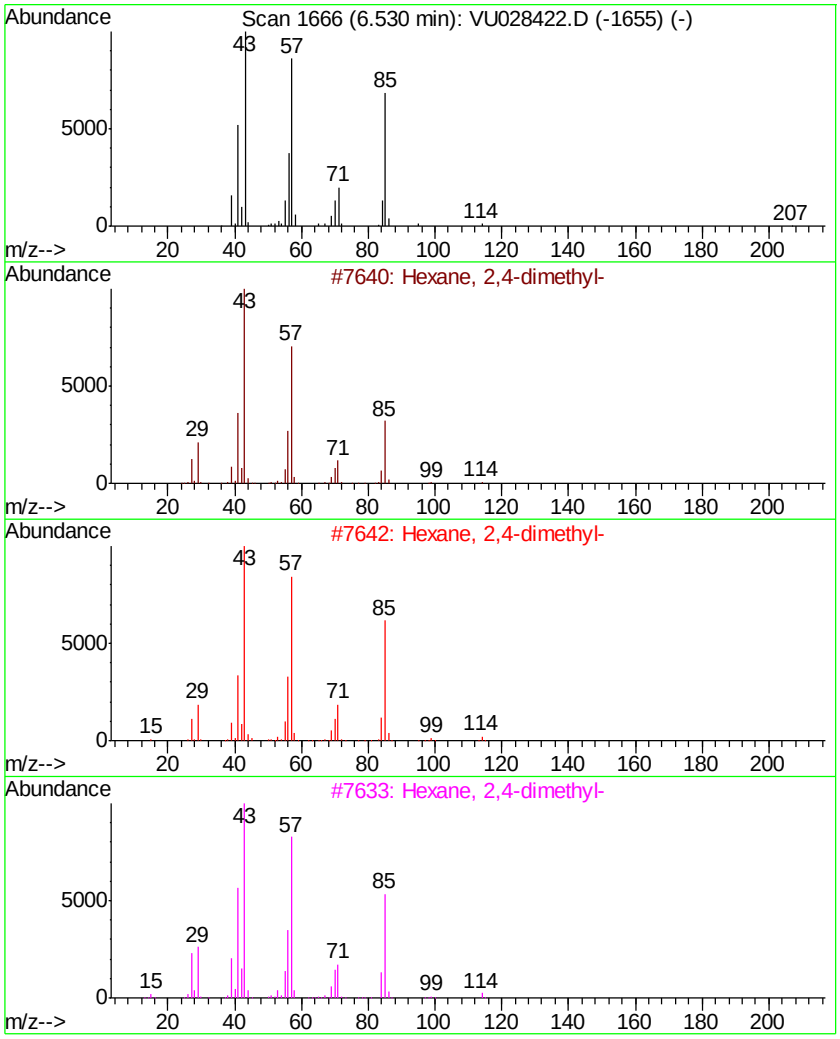
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

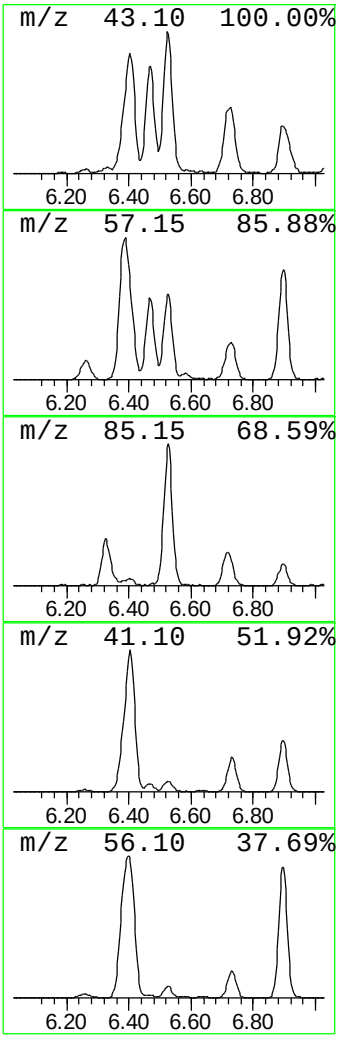
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	8.07 ug/L	213282	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	87
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
4	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

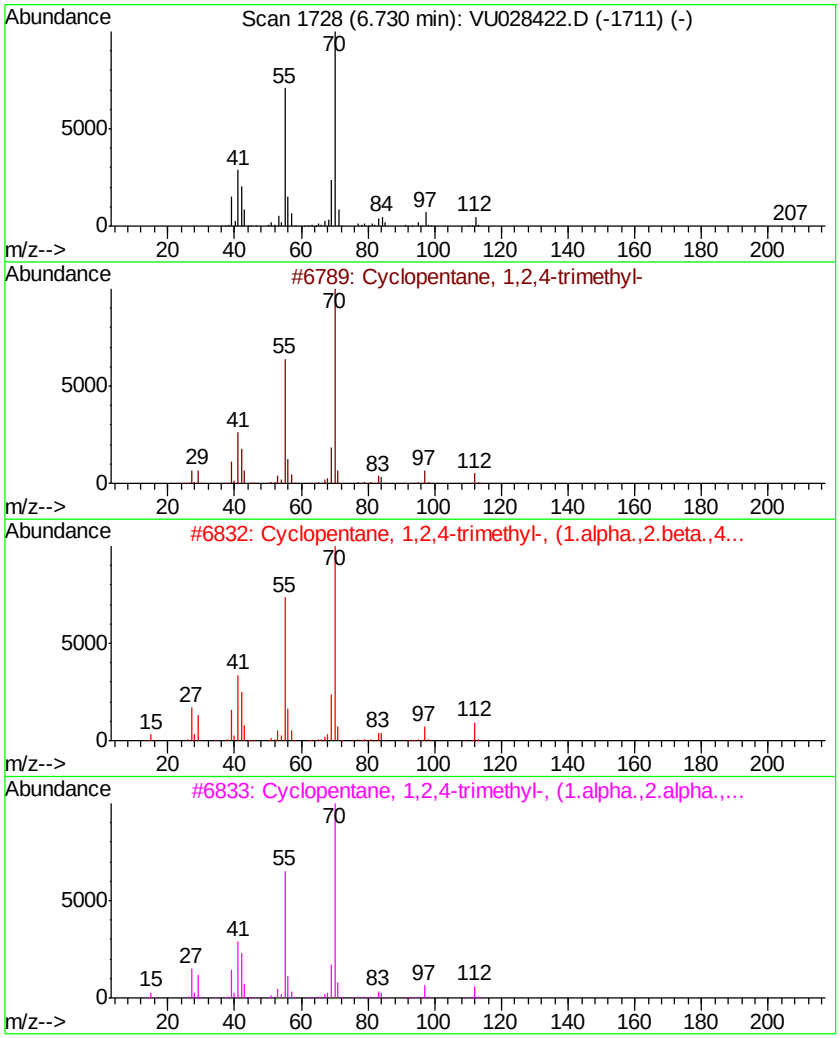
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

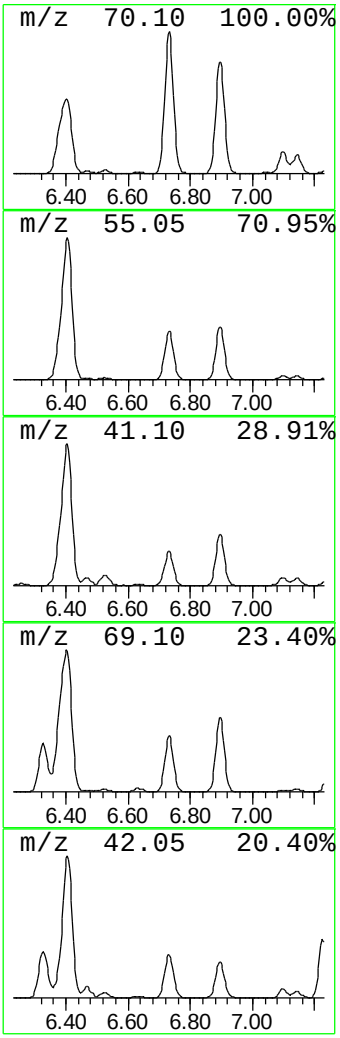
****

Peak Number 8 (DEL) Alkane: Cyclic6.73 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	37.17 ug/L	982838	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	91
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

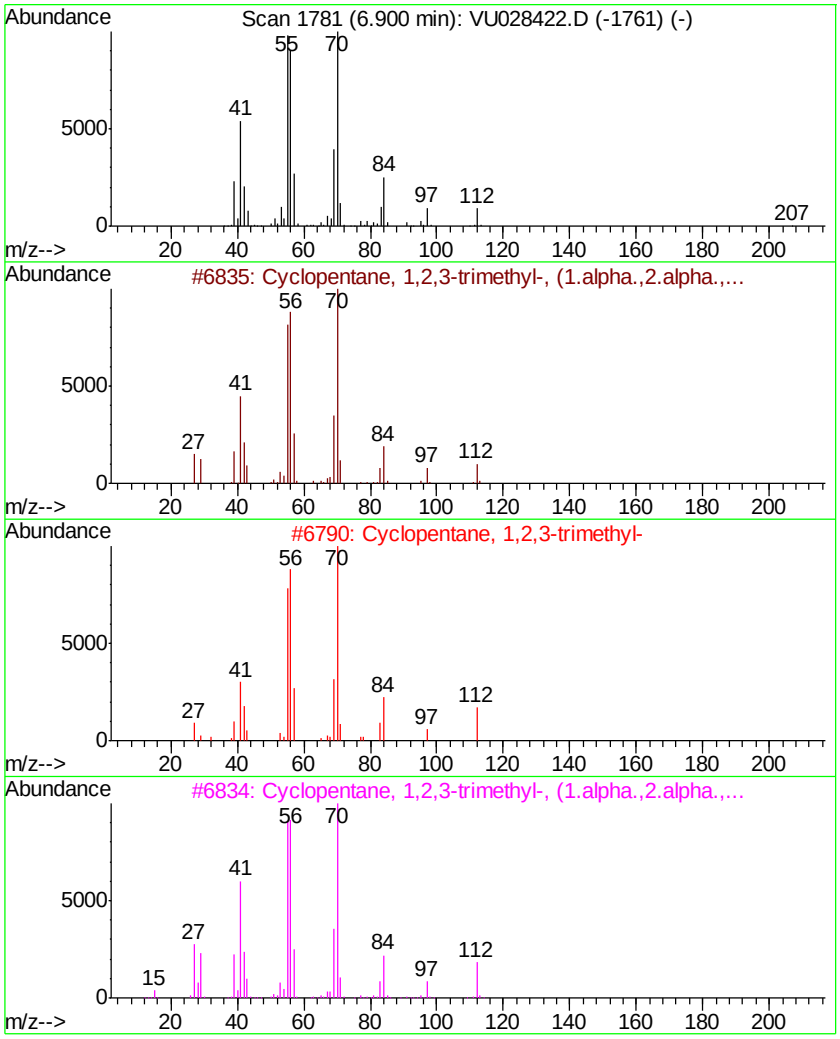
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

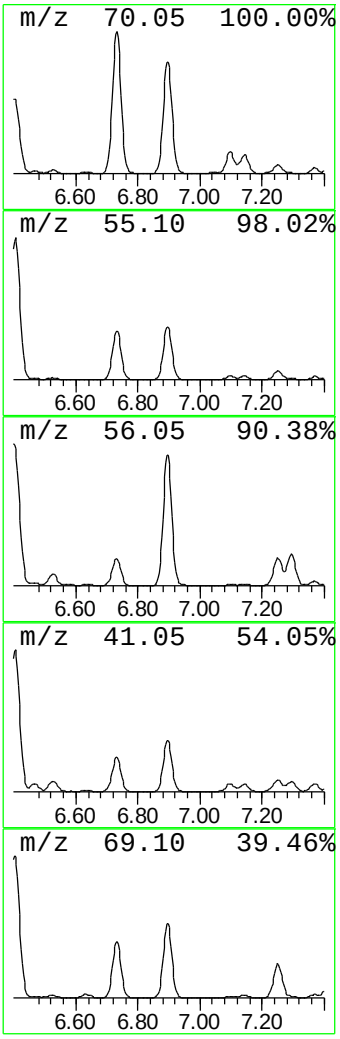
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	47.63 ug/L	1259590	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	97
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

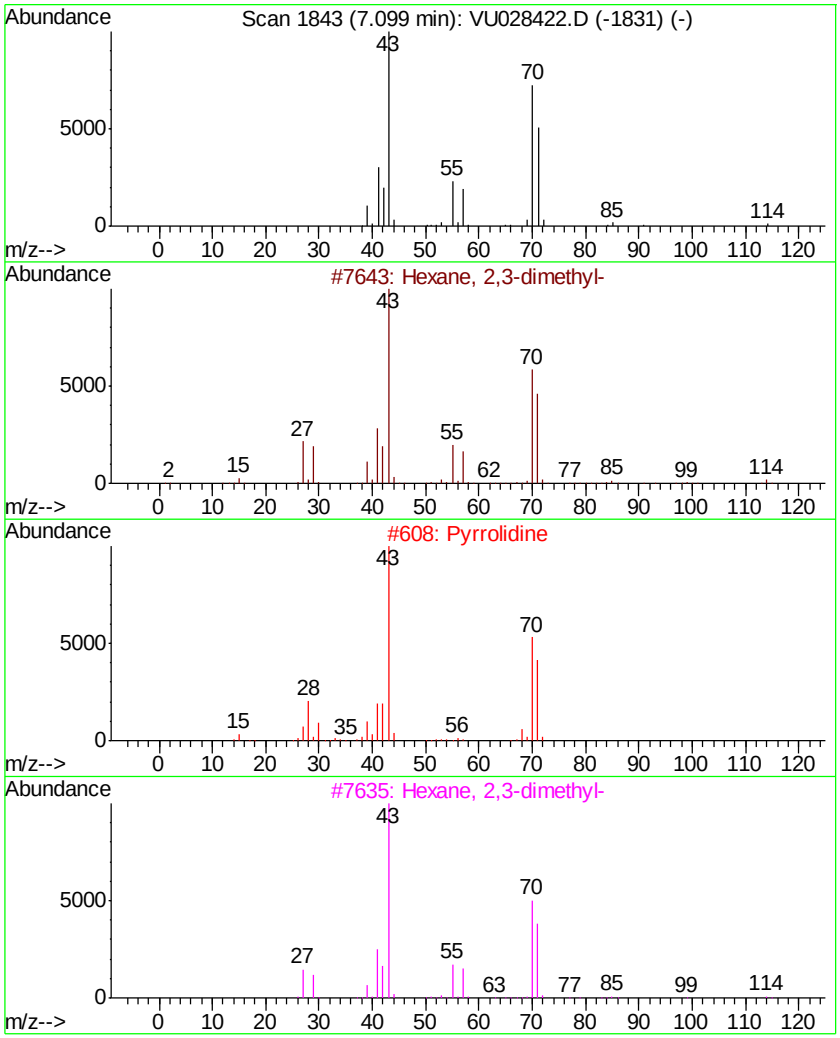
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

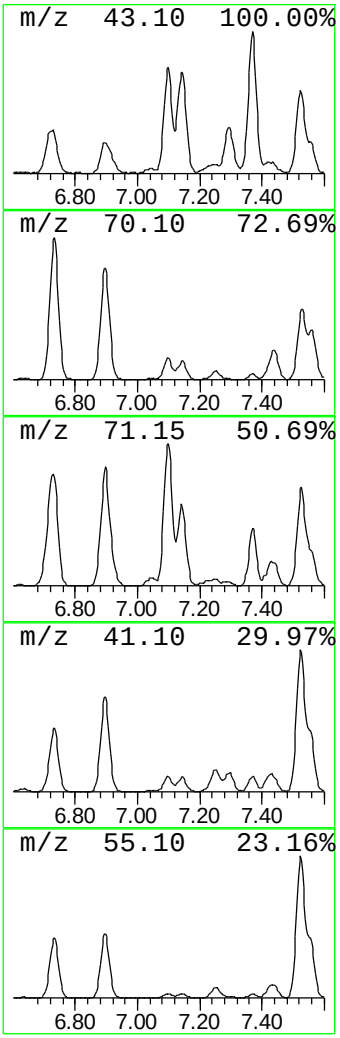
****

Peak Number 10 (DEL) Alkane: Cyclic7.10 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	6.47 ug/L	171189	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	90
2	Pyrrolidine	71	C4H9N	000123-75-1	86
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	81
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	80
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

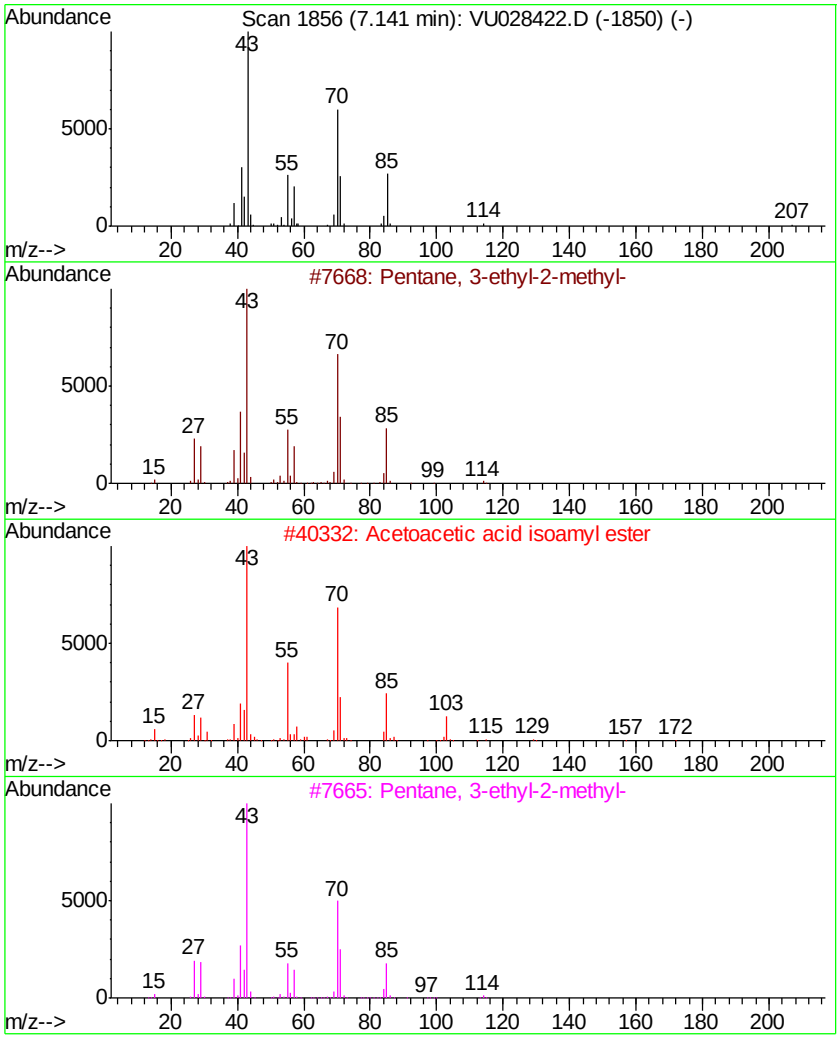
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

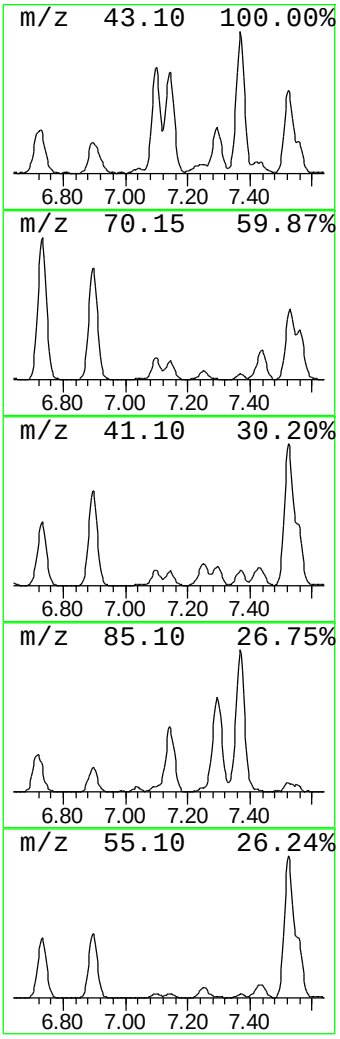
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	6.76 ug/L	178649	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
2	Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	83
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

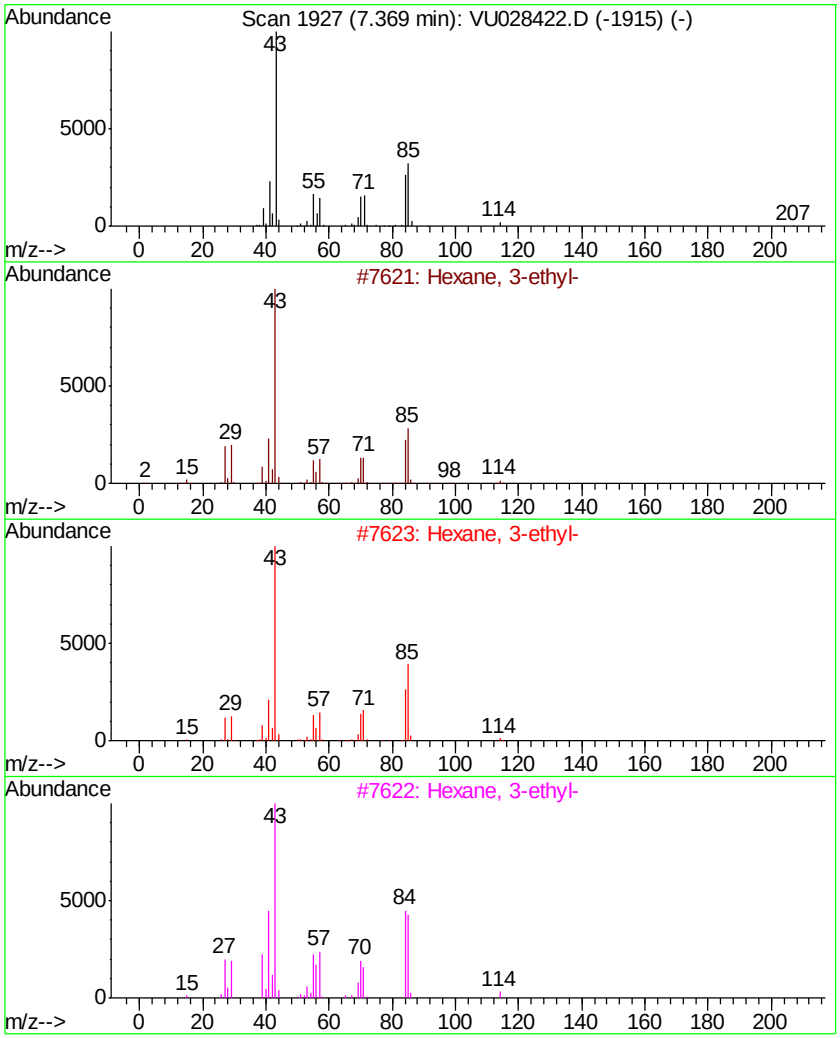
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

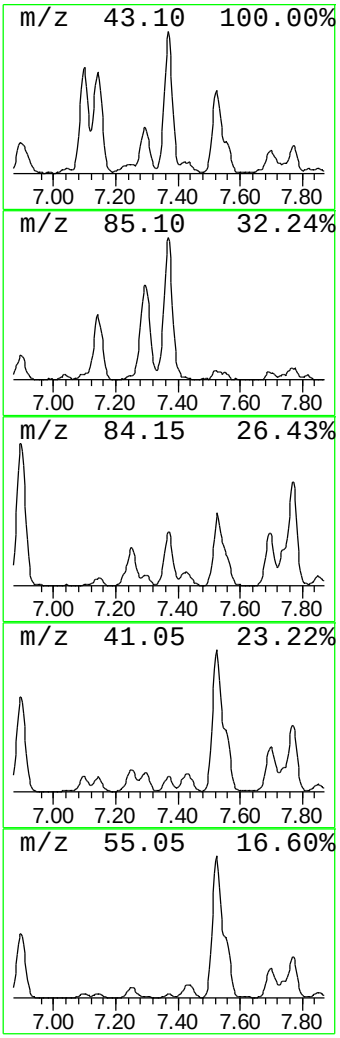
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	7.45 ug/L	197097	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	94
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	81
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
4	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	58
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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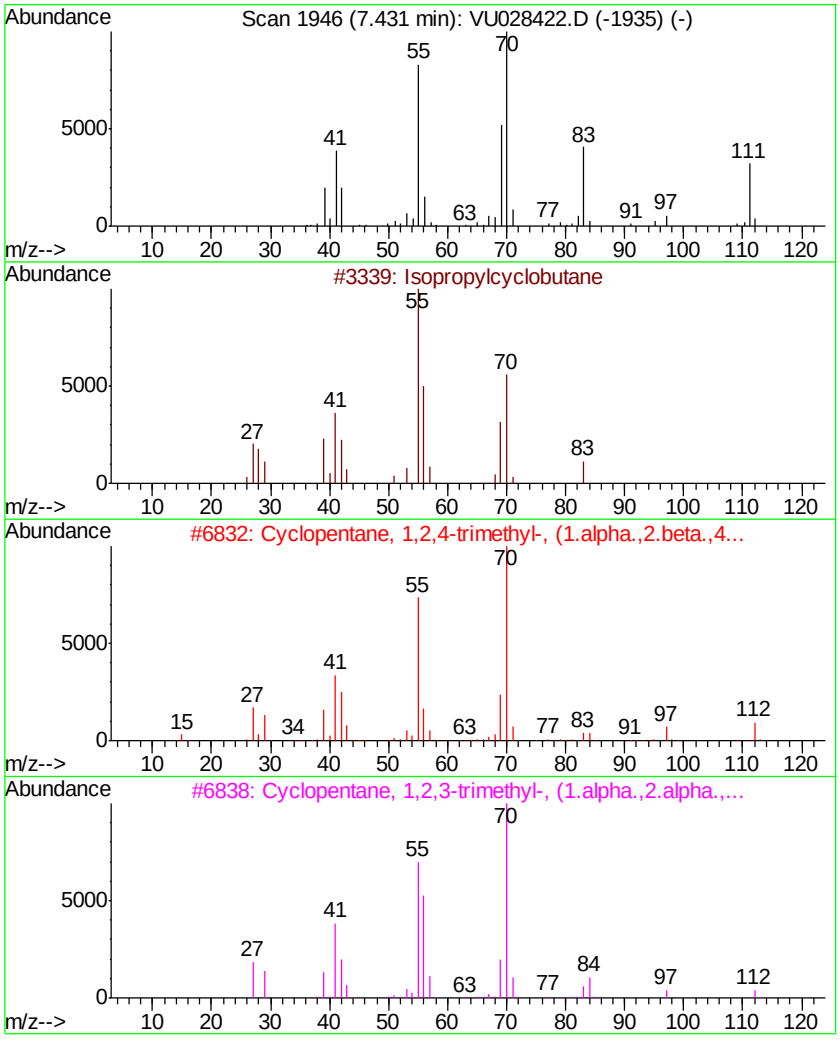
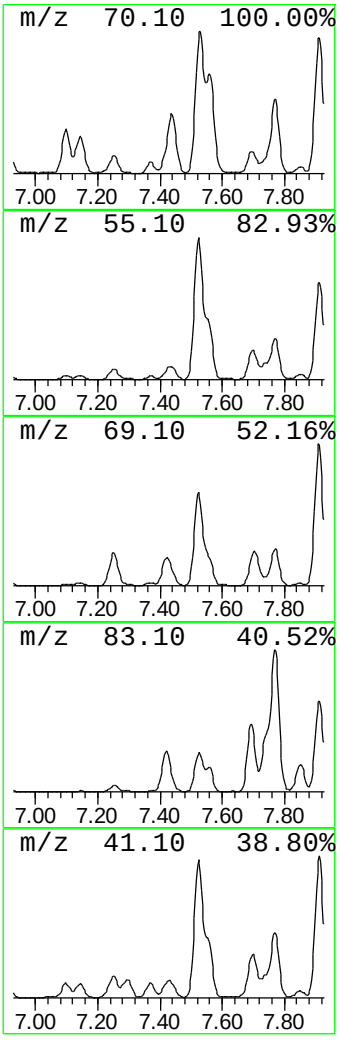
Peak Number 14 (DEL) Alkane: Cyclic7.43 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	12.18 ug/L	322203	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	59
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	50
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	49
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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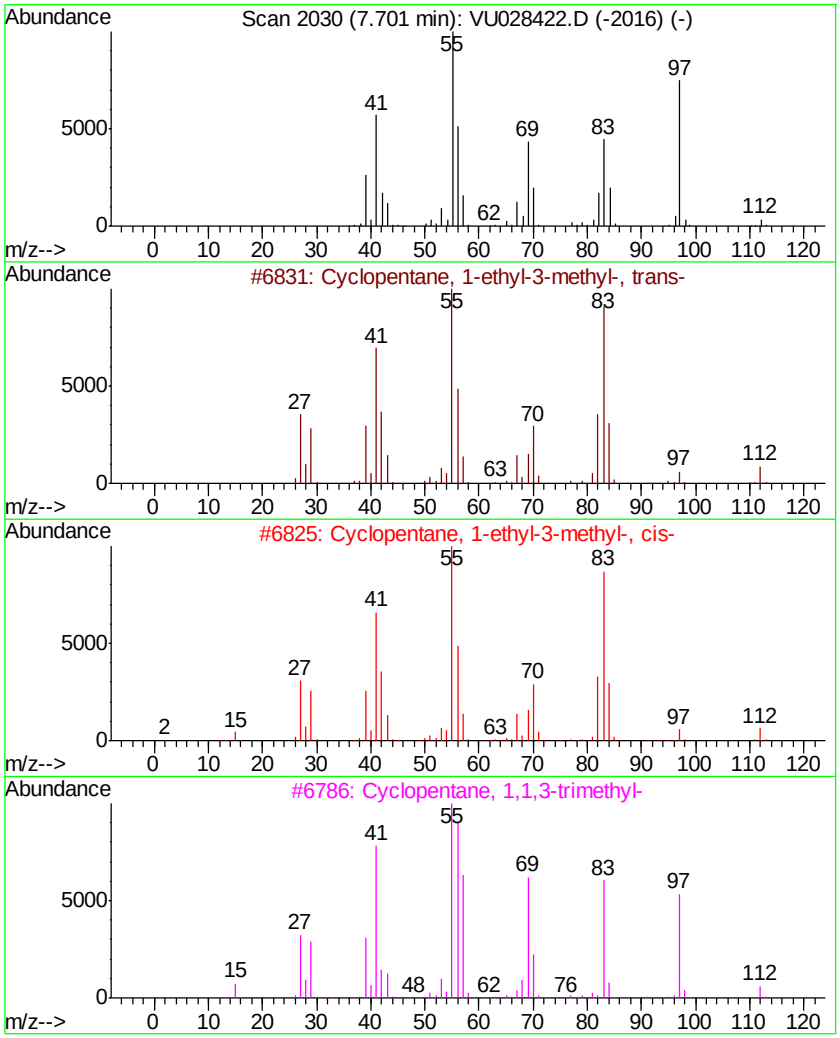
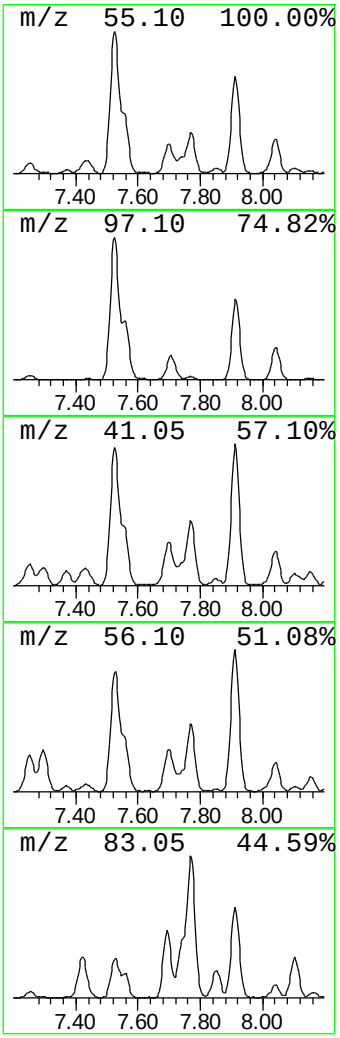
Peak Number 15 (DEL) Alkane: Cyclic7.70 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	18.93 ug/L	579725	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	64
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	52
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
4	3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	38
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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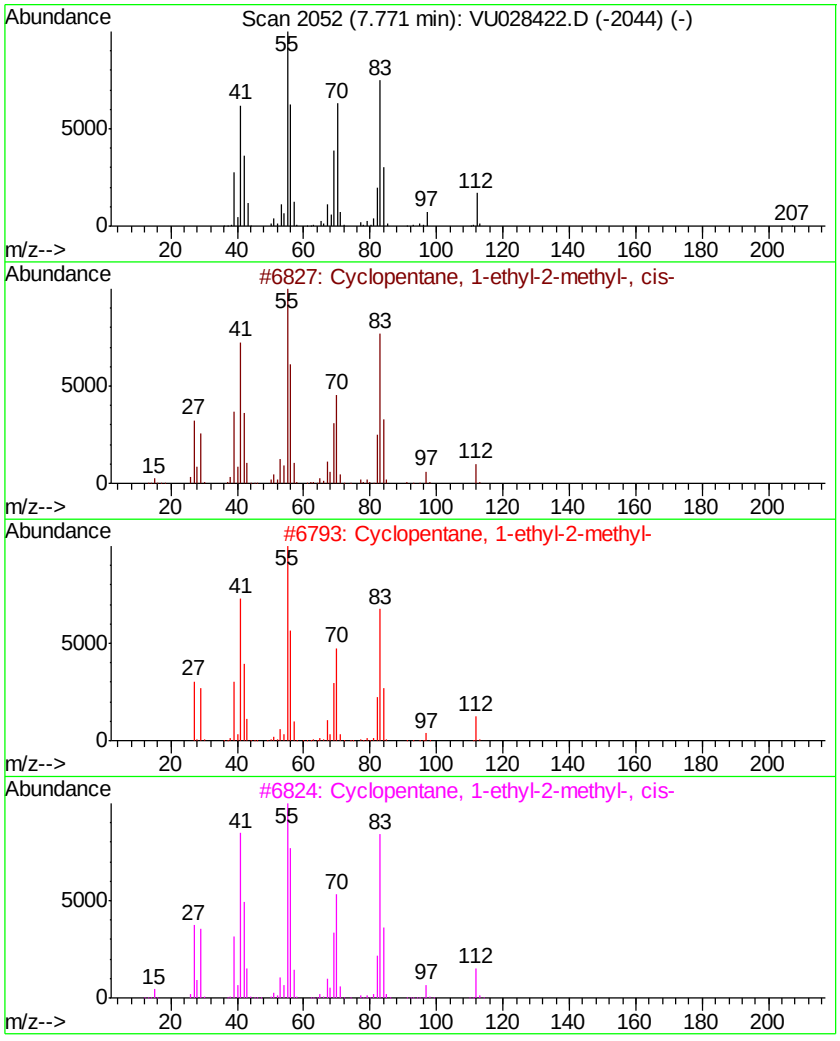
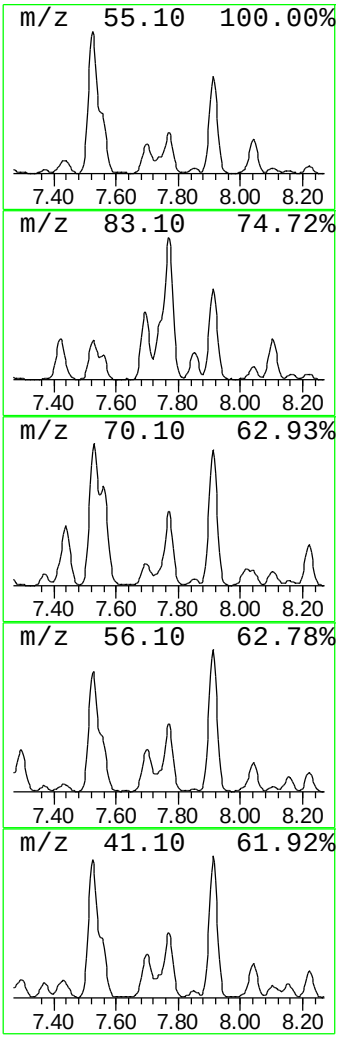
Peak Number 16 (DEL) Alkane: Cyclic7.77 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	24.71 ug/L	756798	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	94
2	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	91
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	90
4	Cyclooctane	112	C8H16	000292-64-8	64
5	Cyclooctane	112	C8H16	000292-64-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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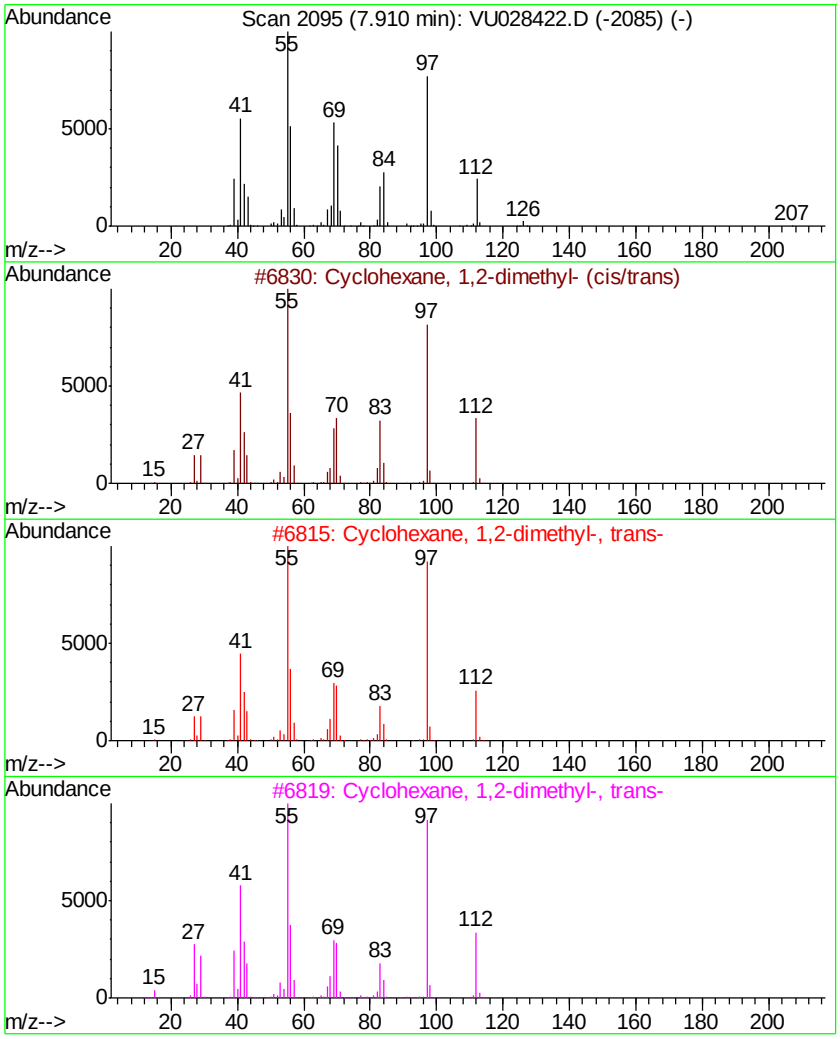
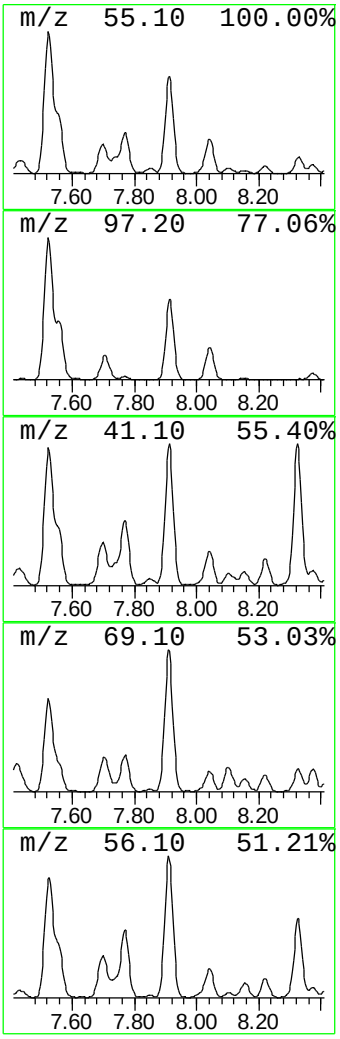
Peak Number 17 (DEL) Alkane: Cyclic7.91 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	59.84 ug/L	1832490	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	76
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	68
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

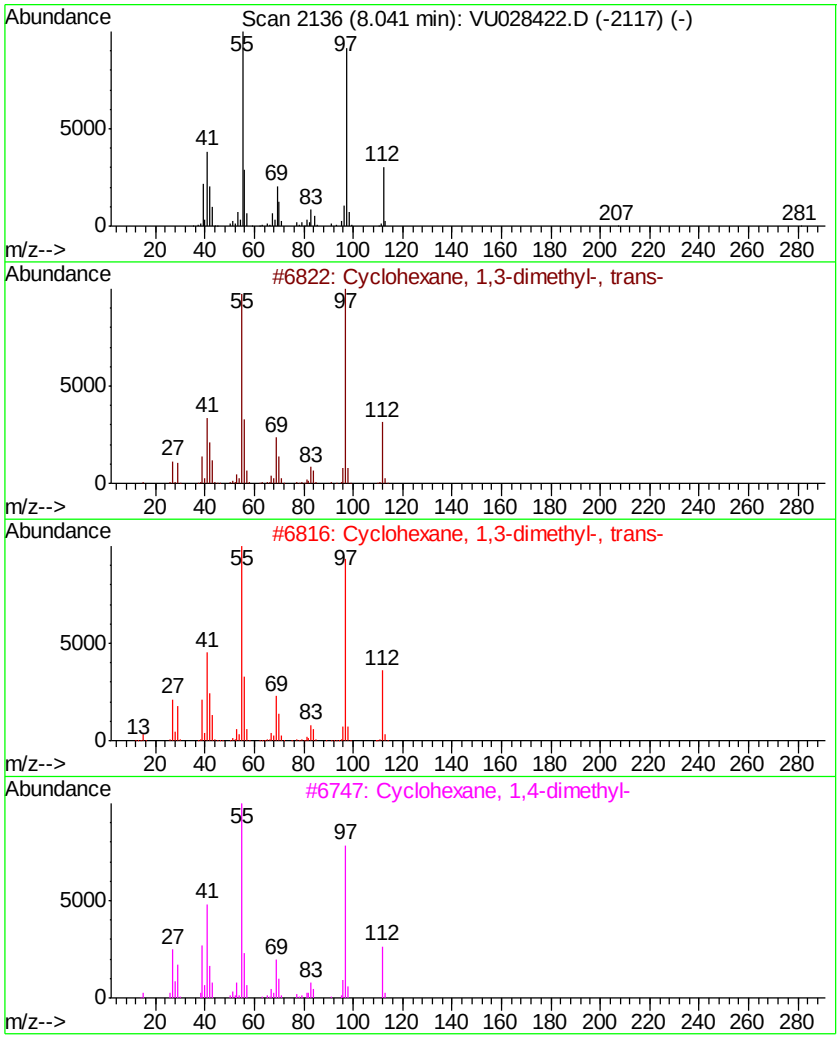
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

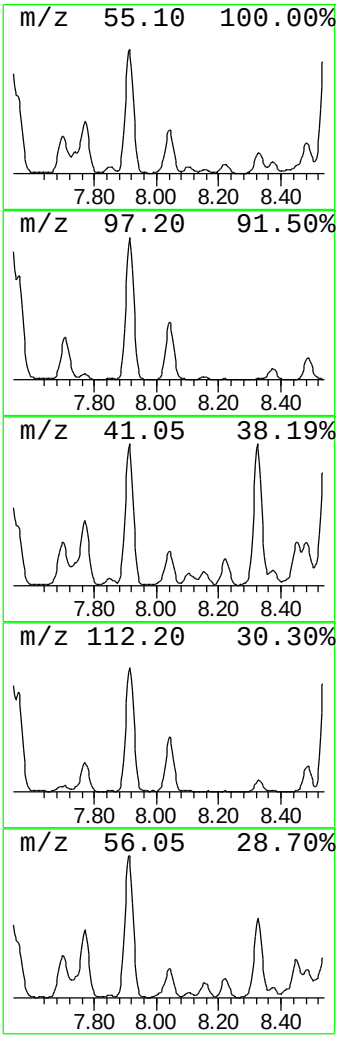
****

Peak Number 18 (DEL) Alkane: Cyclic8.04 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	16.73 ug/L	512265	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	97
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

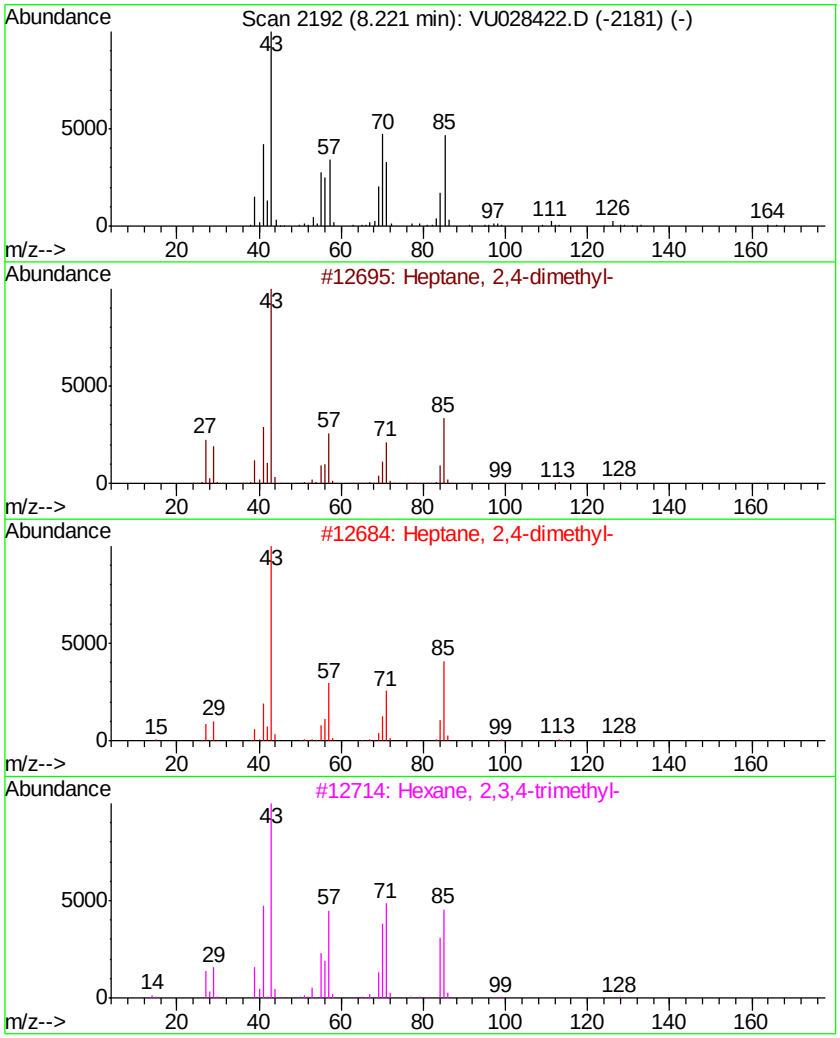
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

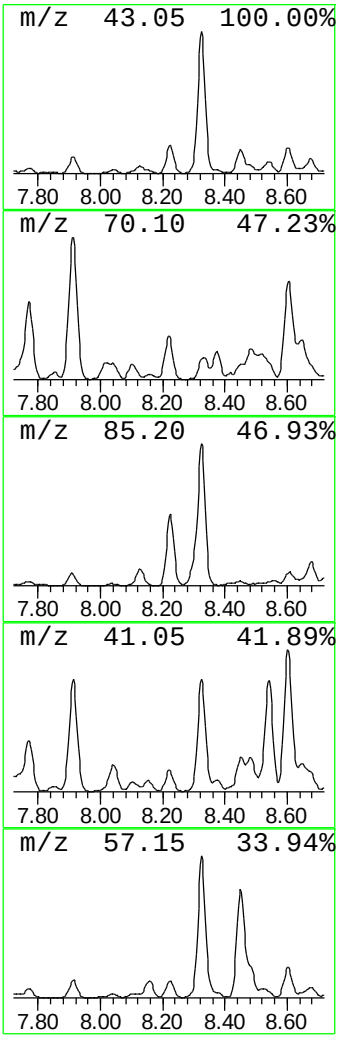
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	11.04 ug/L	338046	Chlorobenzene-d5	9.09

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	58
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

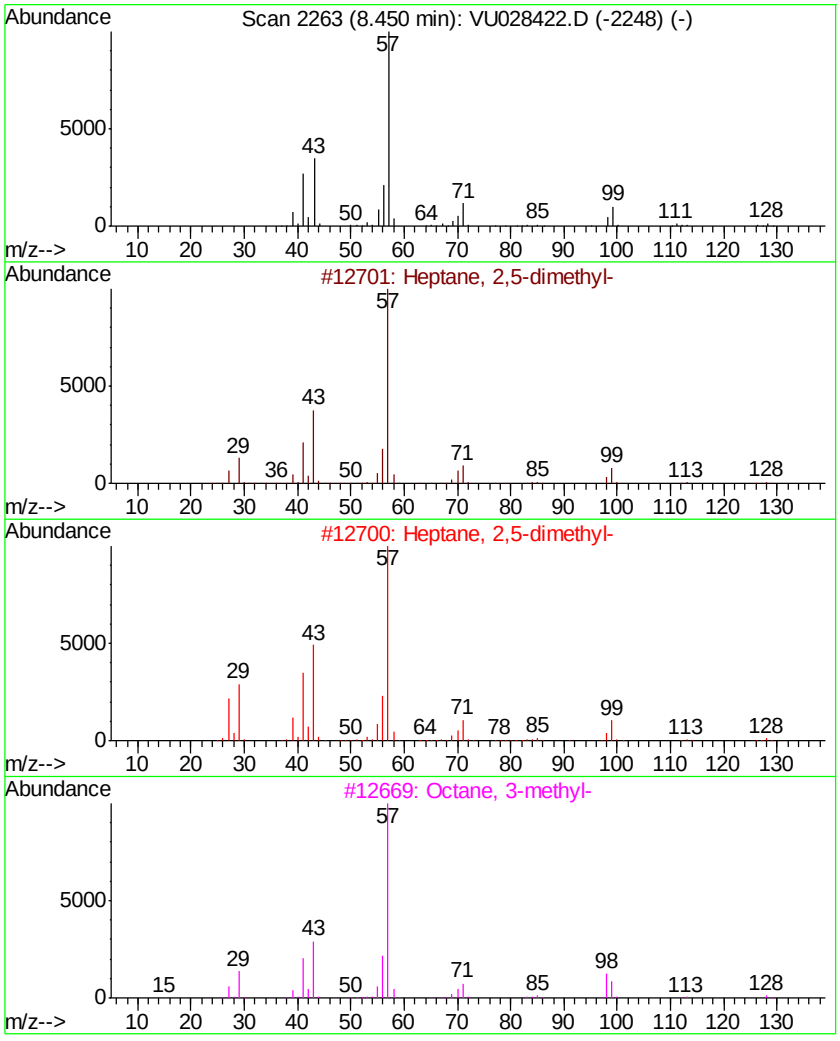
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

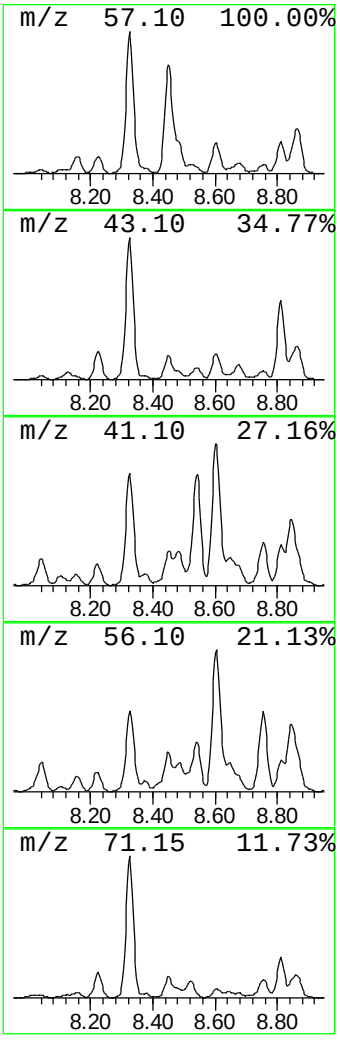
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	13.98 ug/L	427949	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	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3	Octane, 3-methyl-	128	C9H20	002216-33-3	87
4	Octane, 3-methyl-	128	C9H20	002216-33-3	86
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

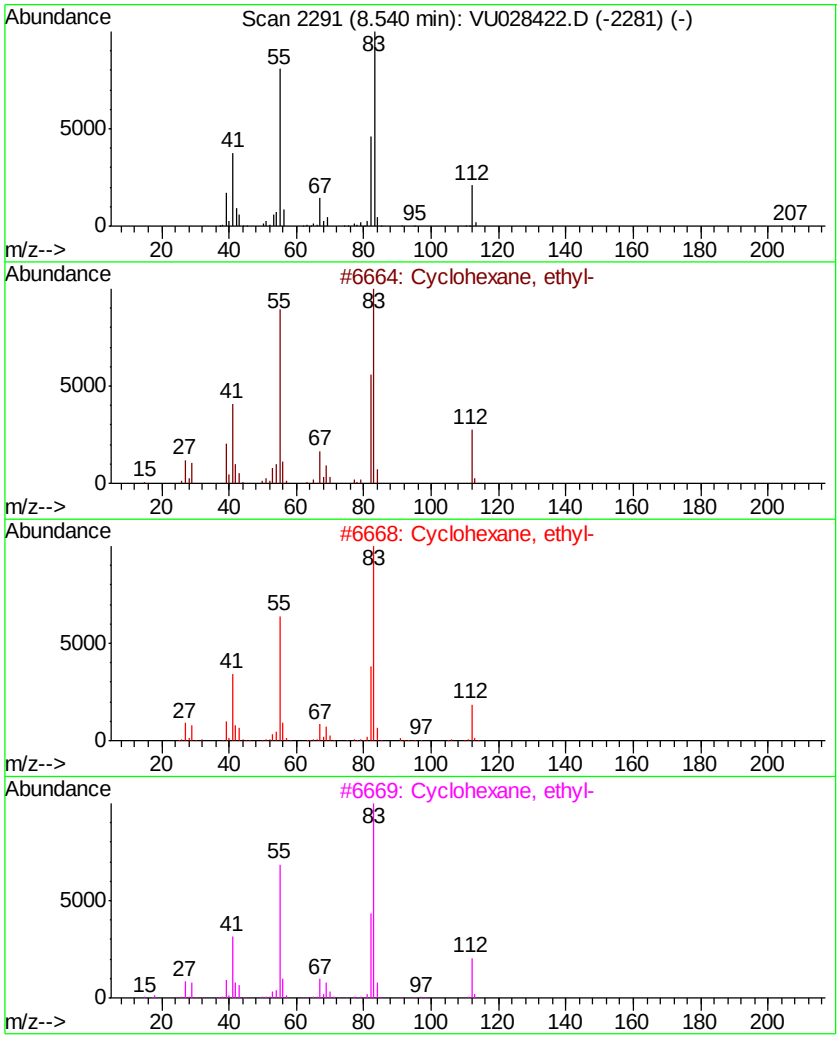
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

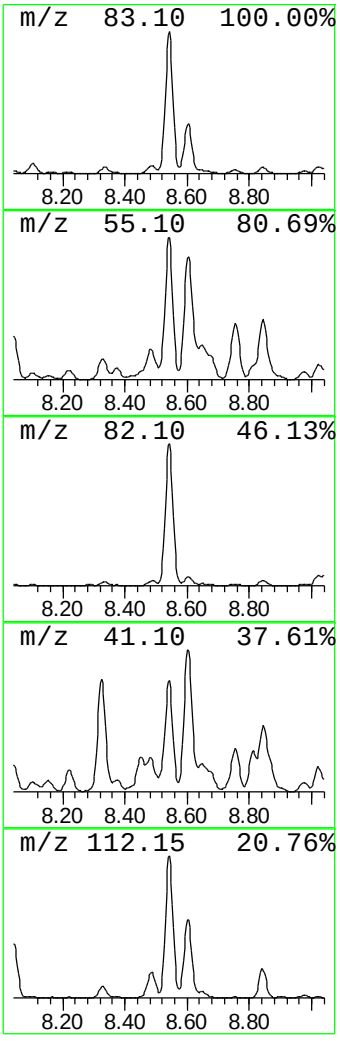
****

Peak Number 21 (DEL) Alkane: Cyclic8.54 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	45.18 ug/L	1383430	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
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	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

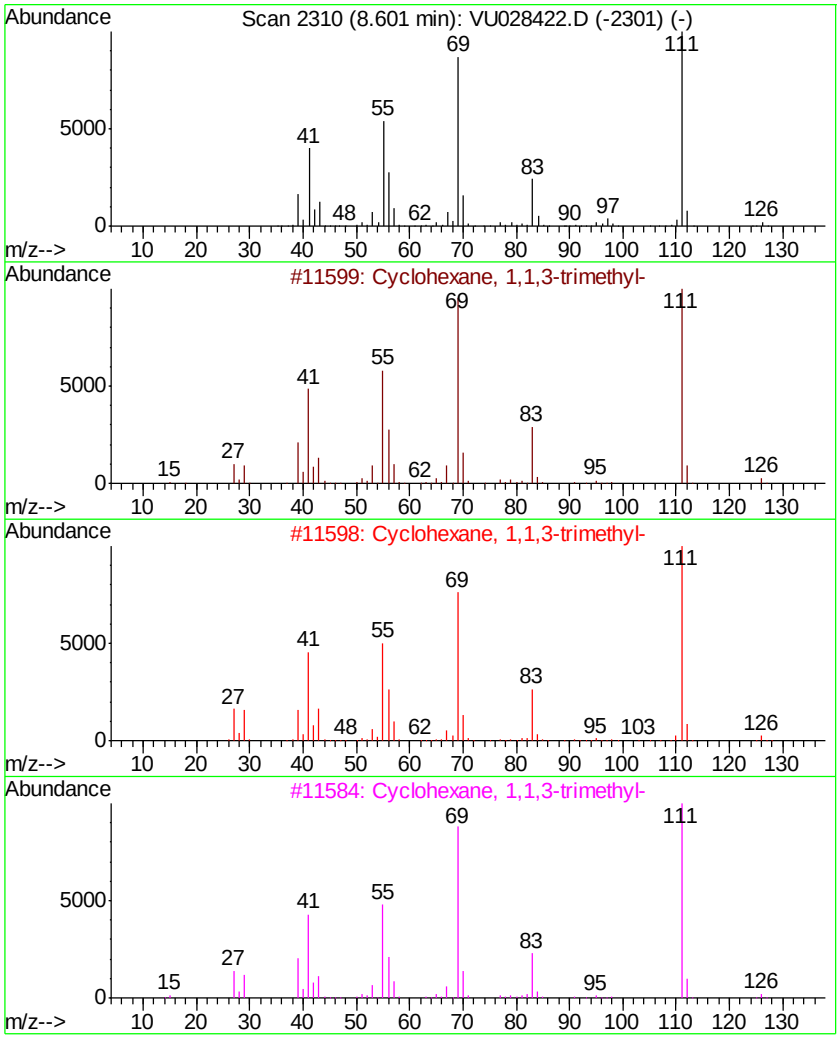
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

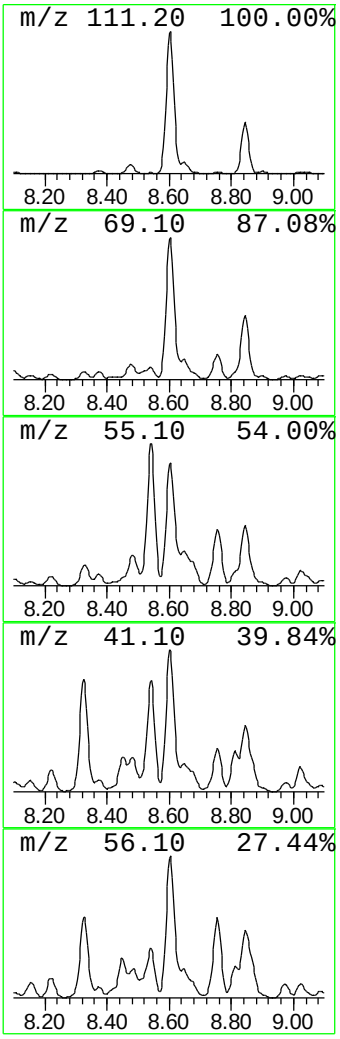
****

Peak Number 22 (DEL) Alkane: Cyclic8.60 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	75.31 ug/L	2306150	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

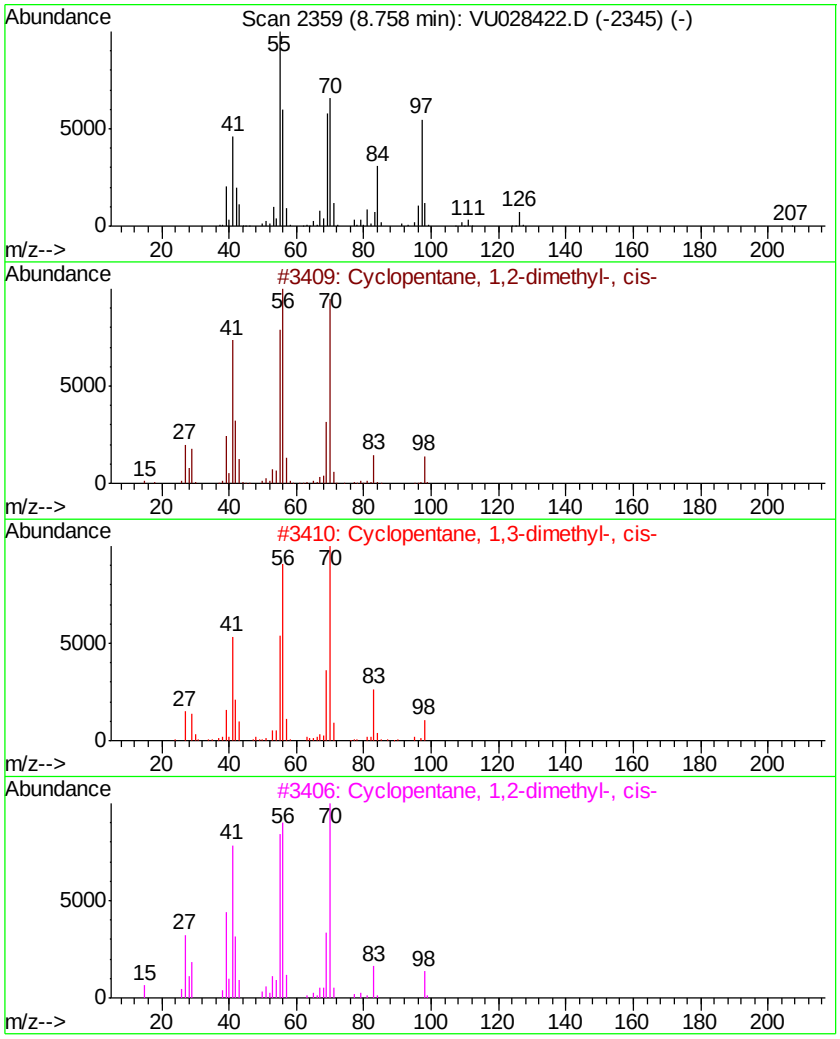
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

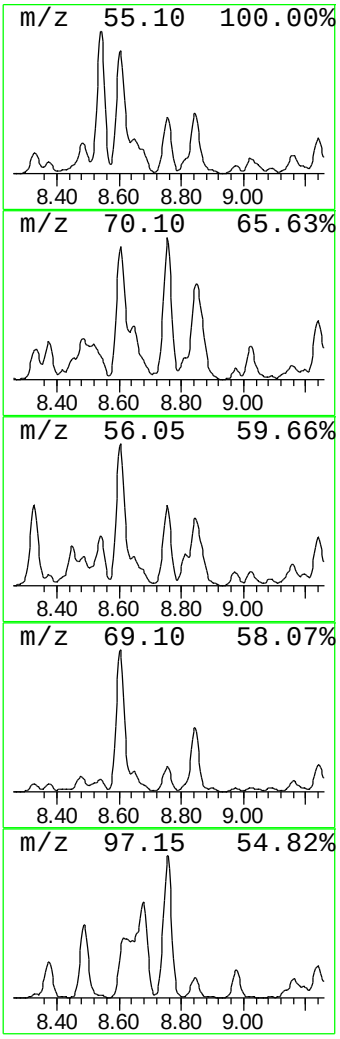
****

Peak Number 23 (DEL) Alkane: Cyclic8.76 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	24.93 ug/L	763393	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	49
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

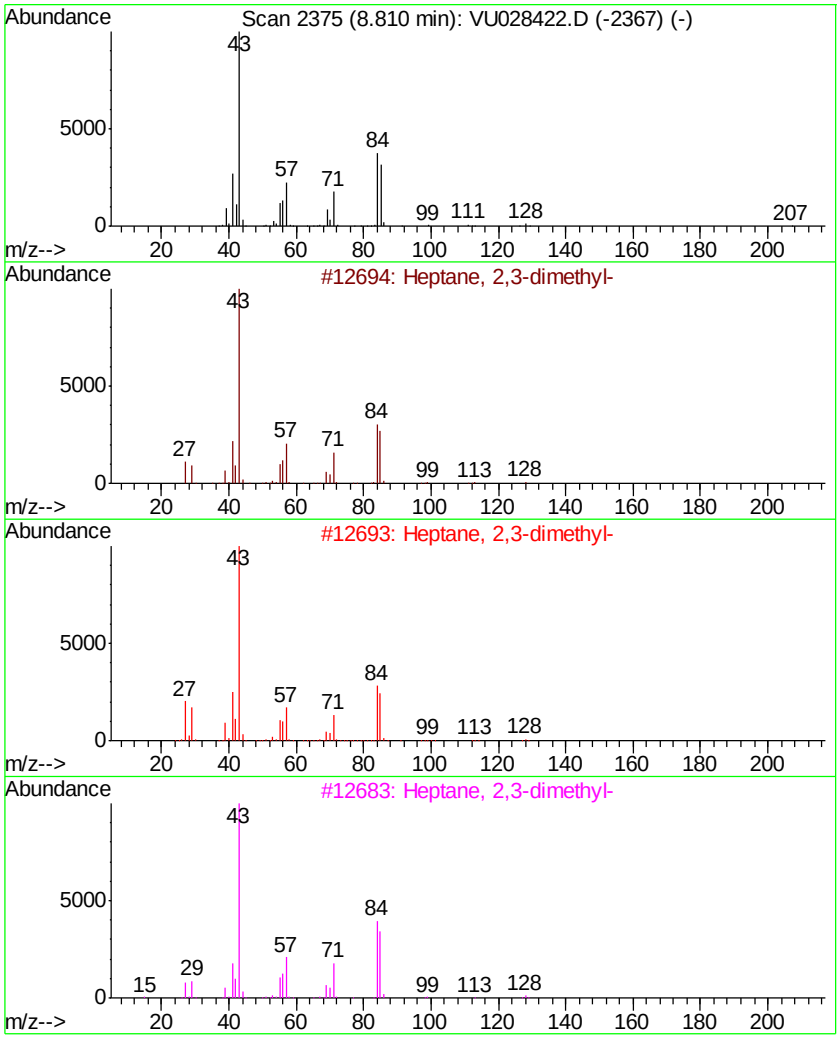
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

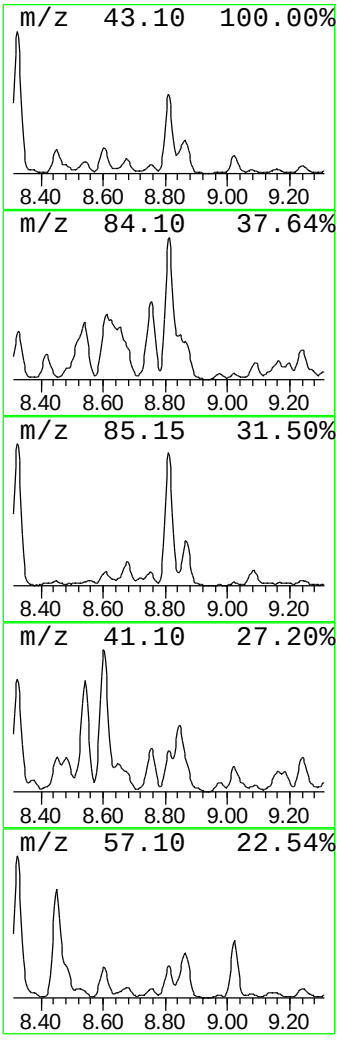
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	15.58 ug/L	477001	Chlorobenzene-d5	9.09

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

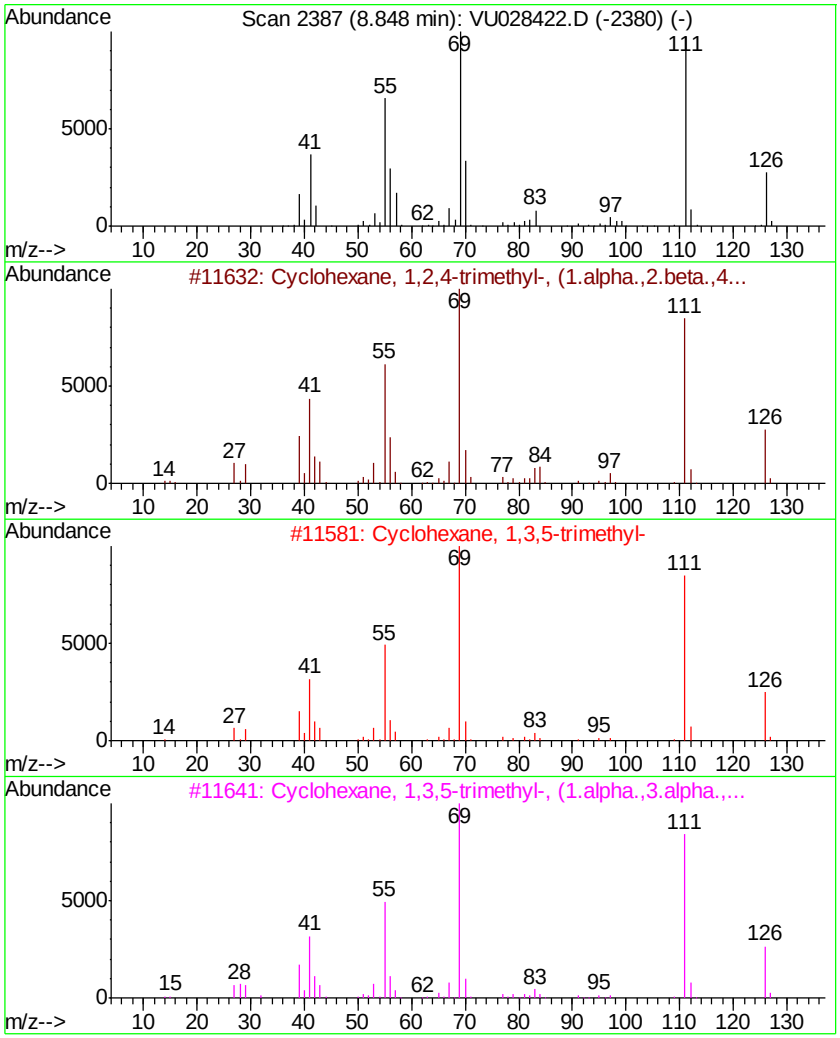
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

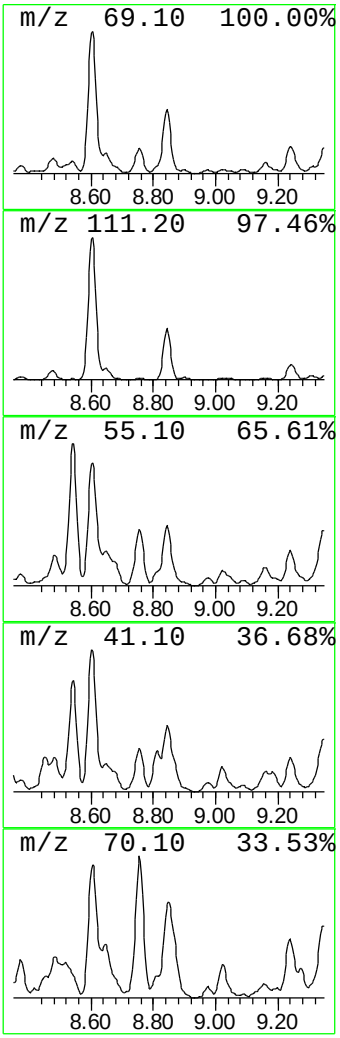
****

Peak Number 25 (DEL) Alkane: Cyclic8.85 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	46.78 ug/L	1432610	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	001839-63-0	90
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	86
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	80
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

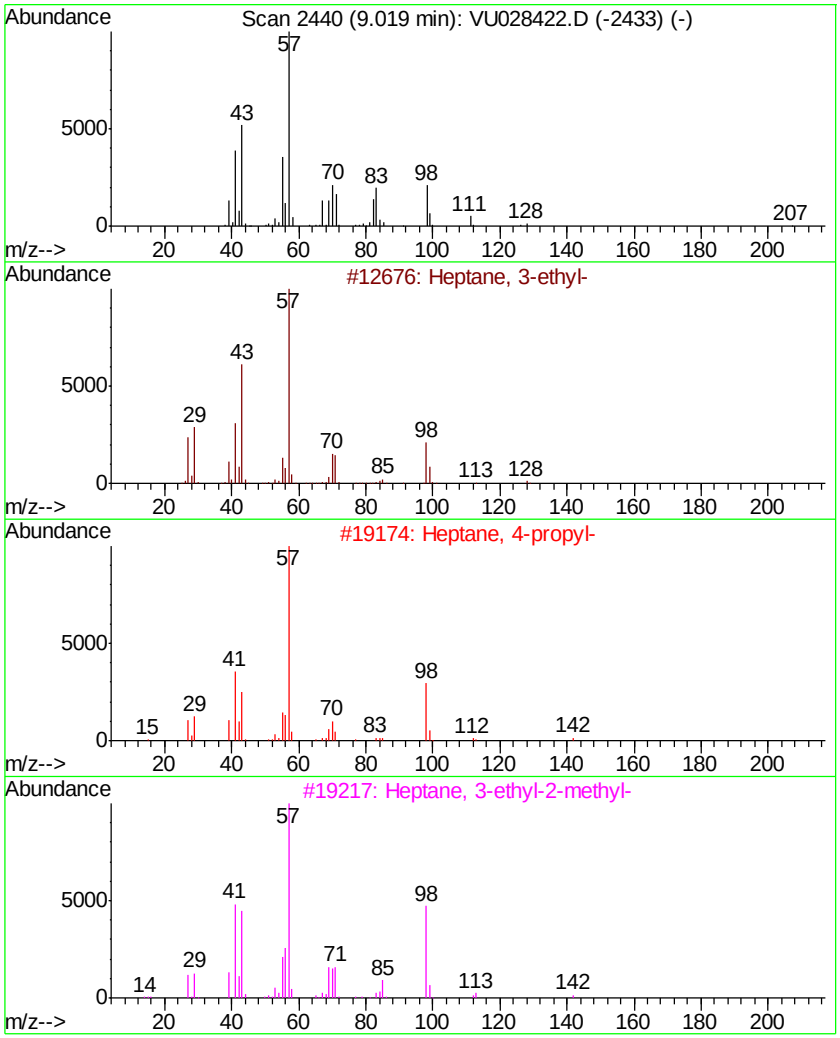
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

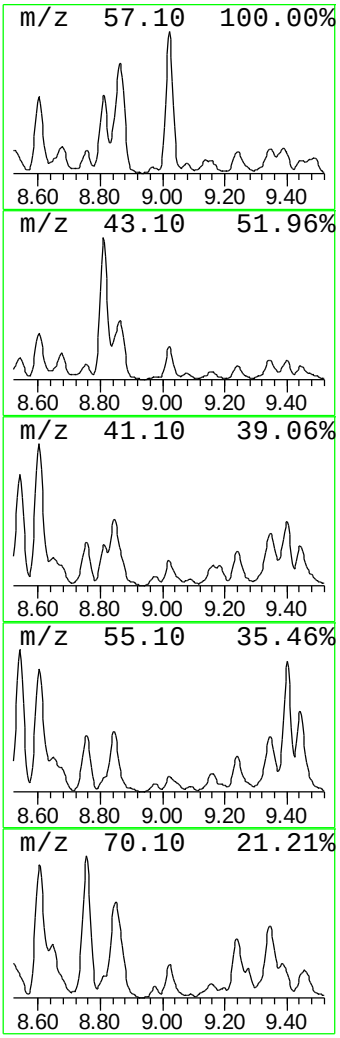
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	11.09 ug/L	339625	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	45
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	43
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
4	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	43
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

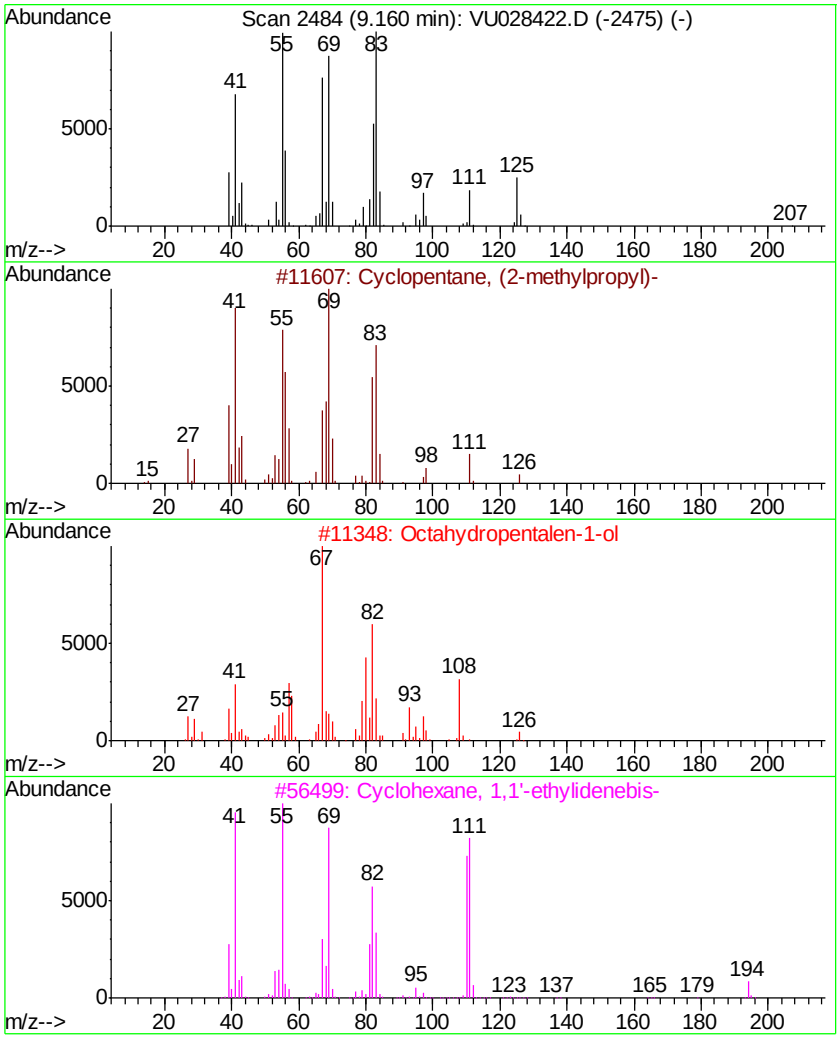
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

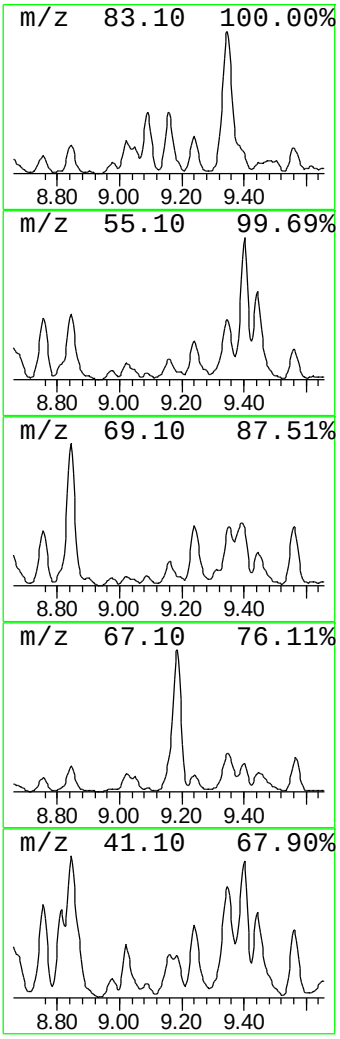
****

Peak Number 27 (DEL) Alkane: Cyclic9.16 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	5.74 ug/L	175655	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	38
2	Octahydropentalen-1-ol	126	C8H14O	037465-25-1	38
3	Cyclohexane, 1,1'-ethylidenebis-	194	C14H26	002319-61-1	35
4	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	35
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

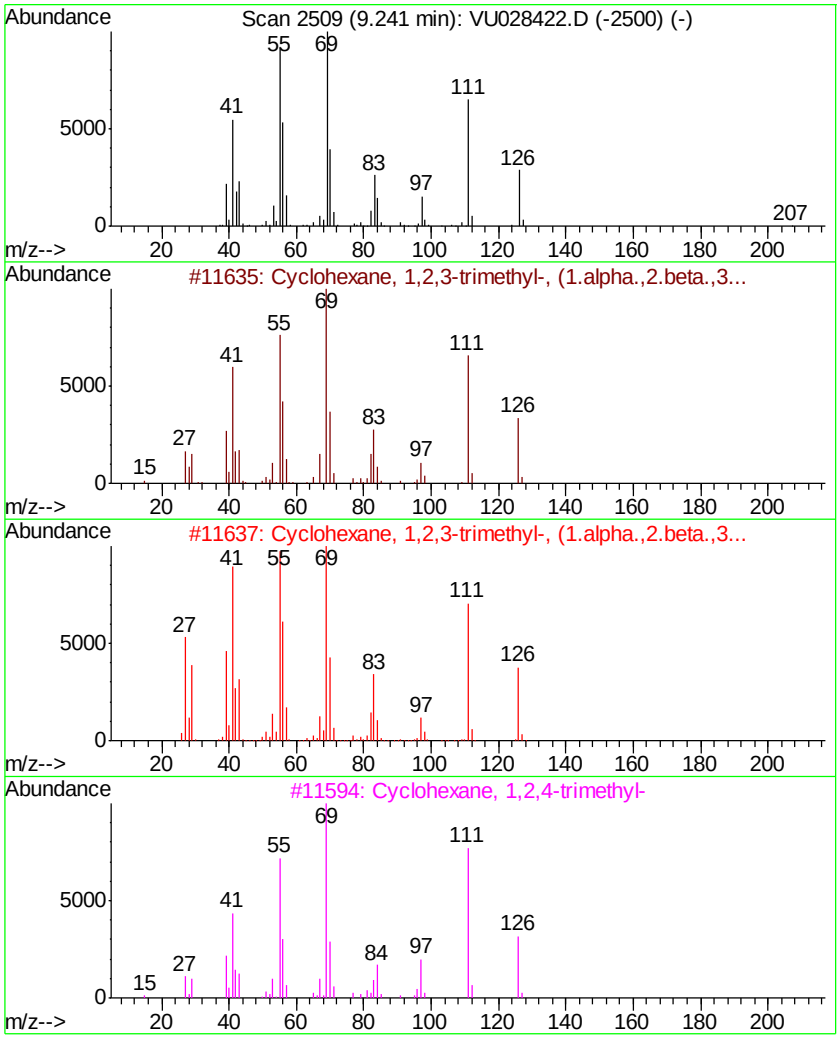
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

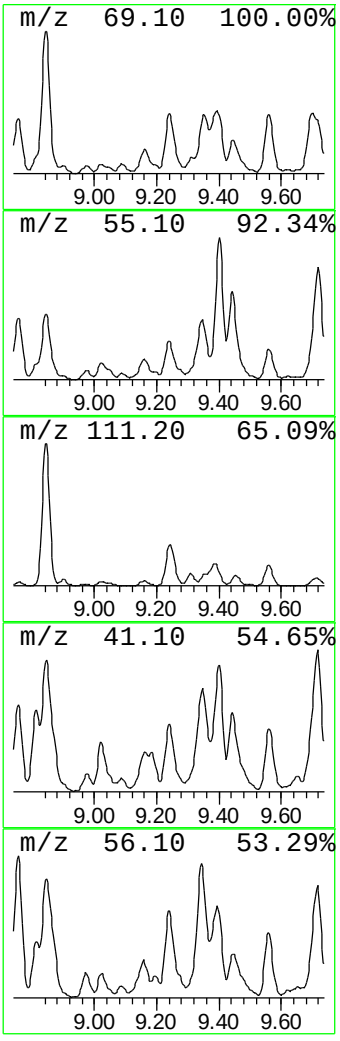
****

Peak Number 28 (DEL) Alkane: Cyclic9.24 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	18.31 ug/L	560680	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	87
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

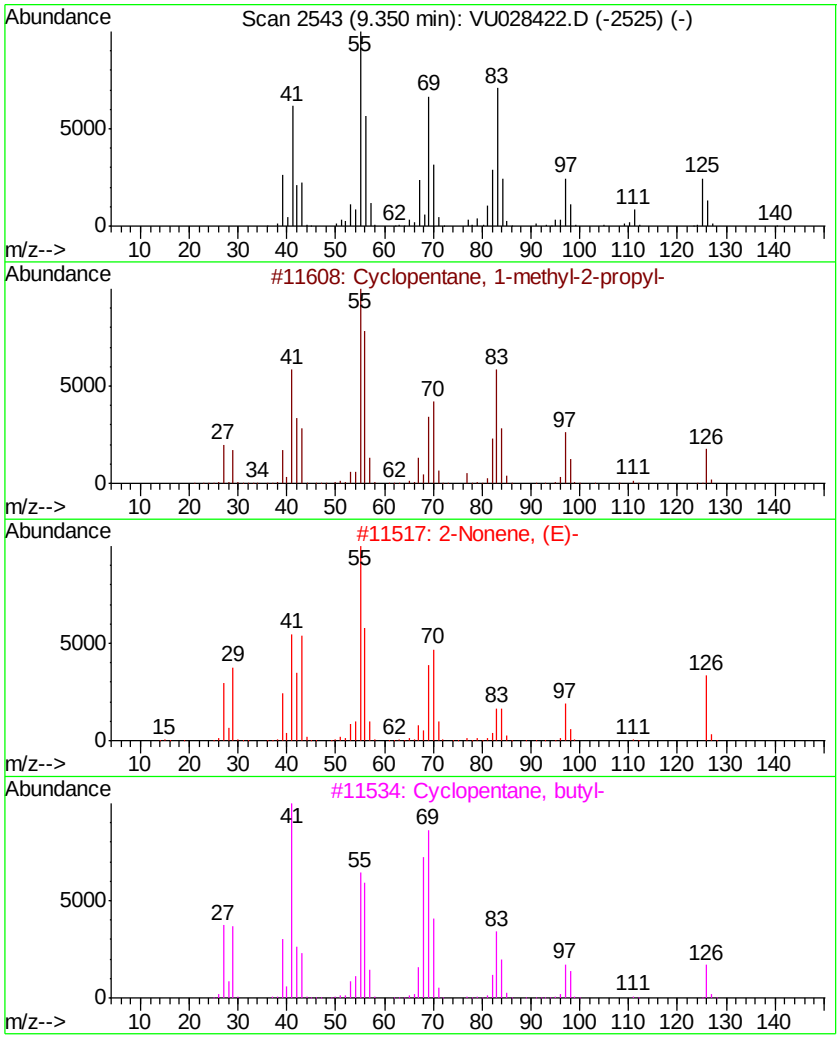
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

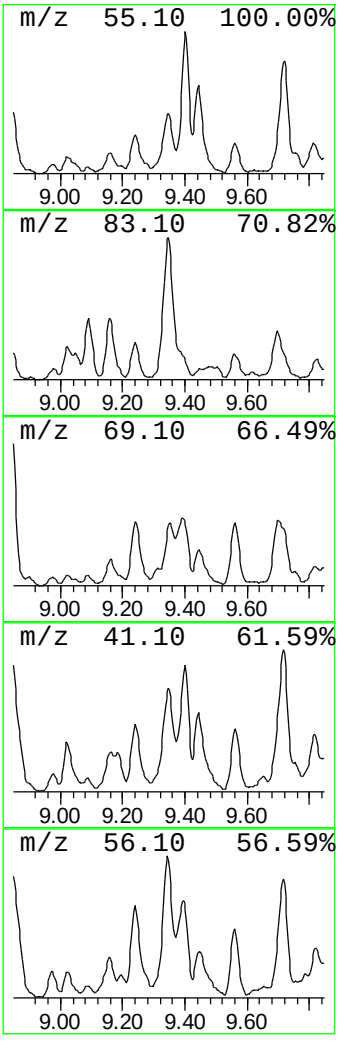
****

Peak Number 29 (DEL) Alkane: Cyclic9.35 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	34.60 ug/L	1059440	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	70
2	2-Nonene, (E)-	126	C9H18	006434-78-2	45
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	43
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	43
5	2-Nonene, (E)-	126	C9H18	006434-78-2	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

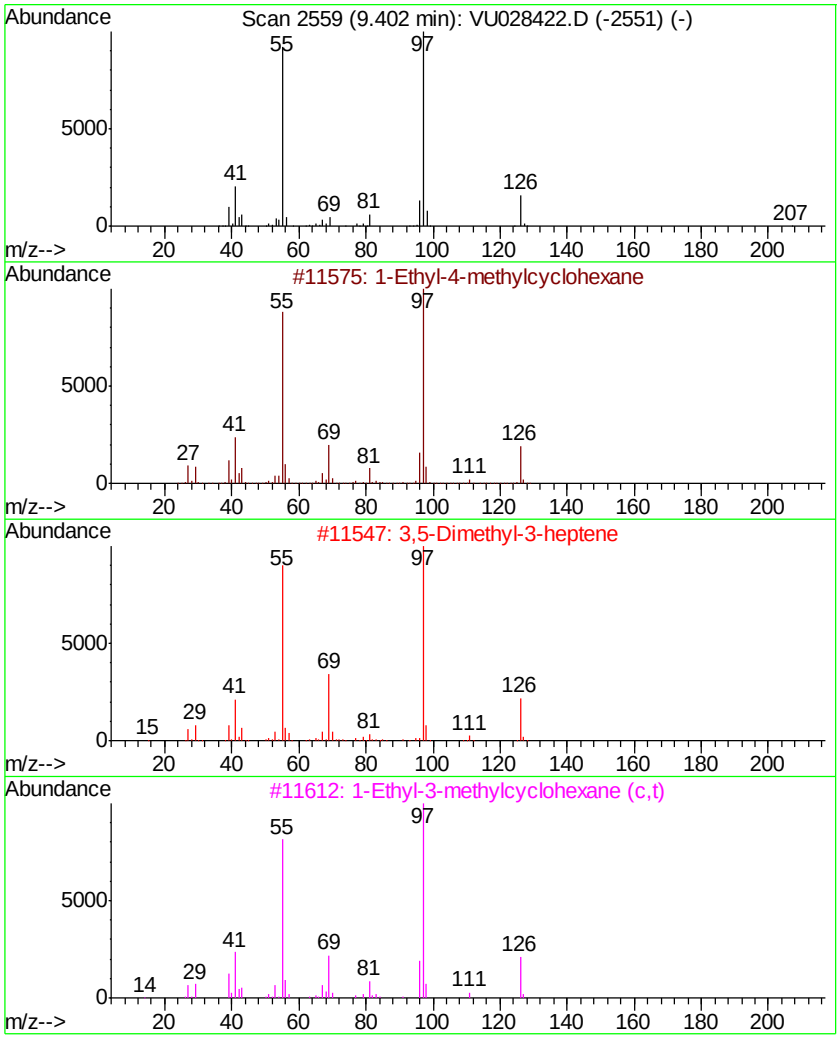
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

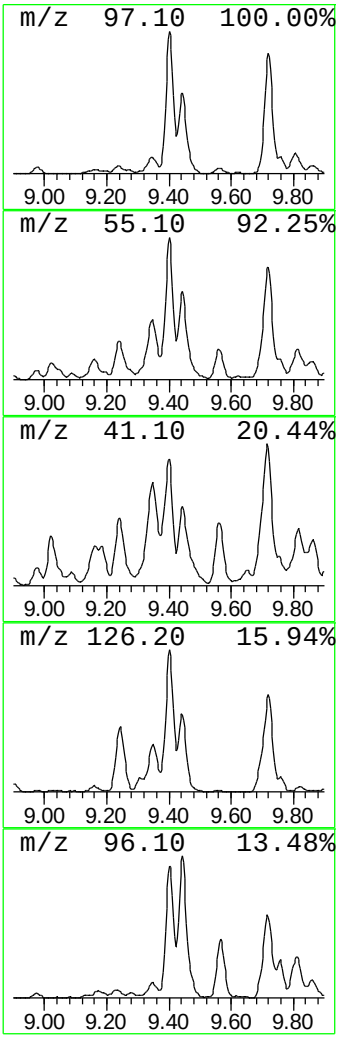
****

Peak Number 30 (DEL) Alkane: Cyclic9.40 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	38.89 ug/L	1190820	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	78
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
5	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

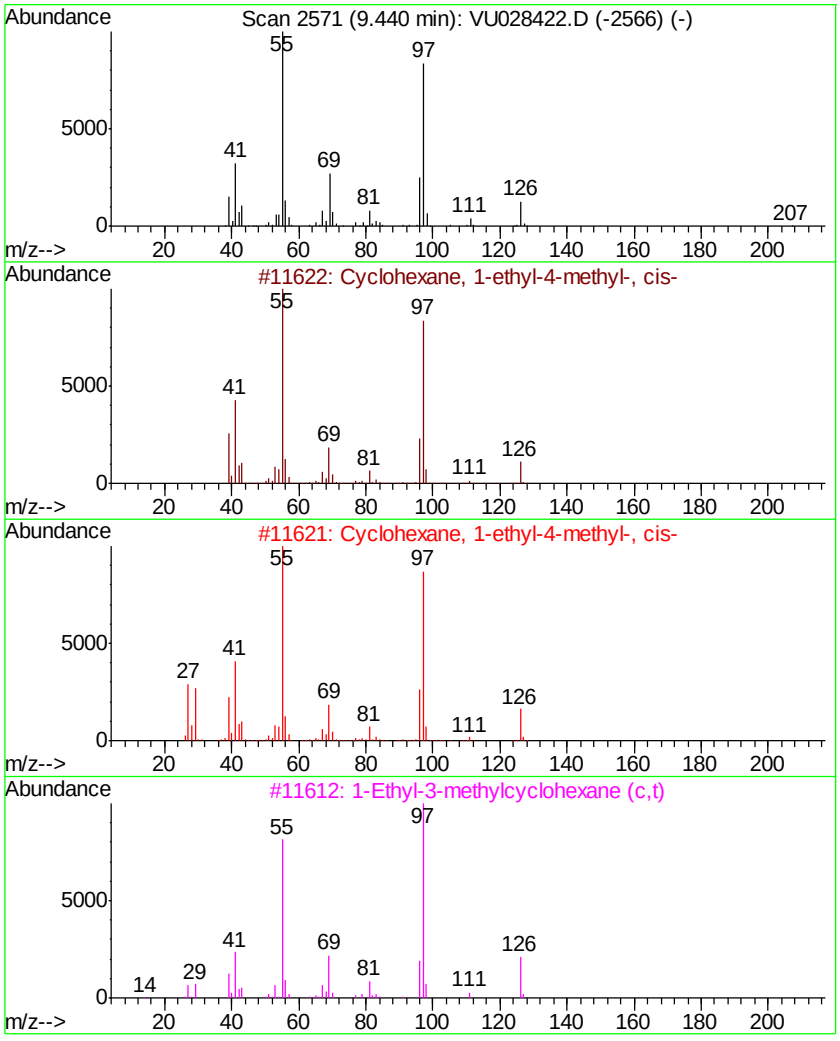
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

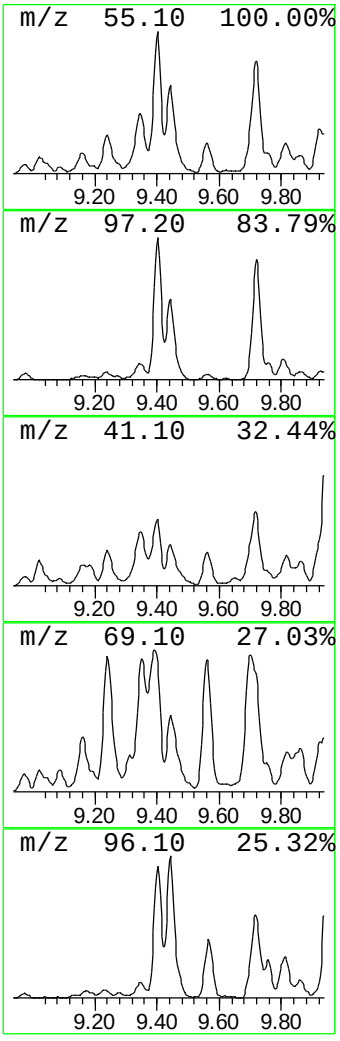
****

Peak Number 31 (DEL) Alkane: Cyclic9.44 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	29.64 ug/L	907697	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

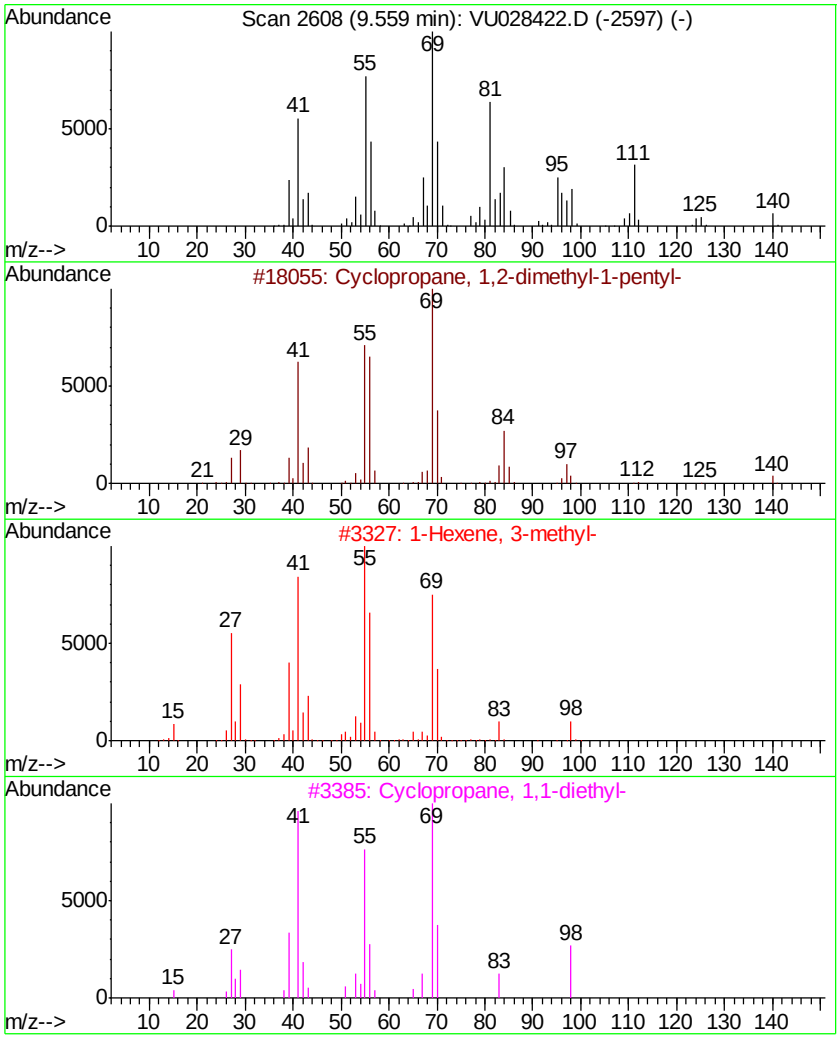
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

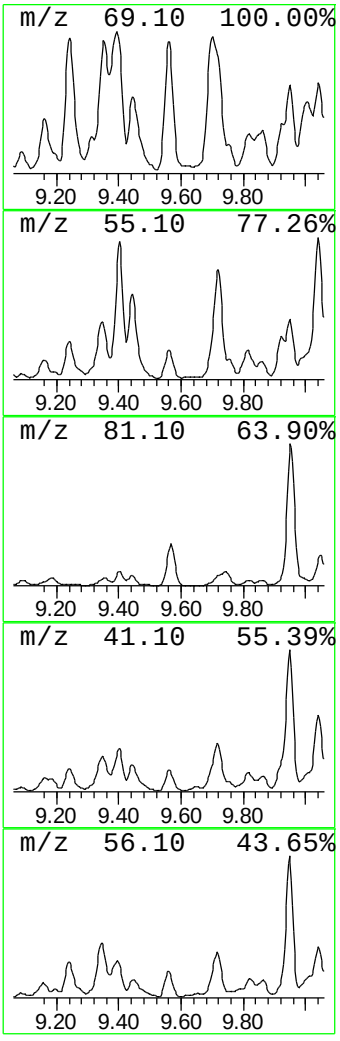
****

Peak Number 32 (DEL) Alkane: Cyclic9.56 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	22.04 ug/L	674868	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	55
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	49
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	49
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	46
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

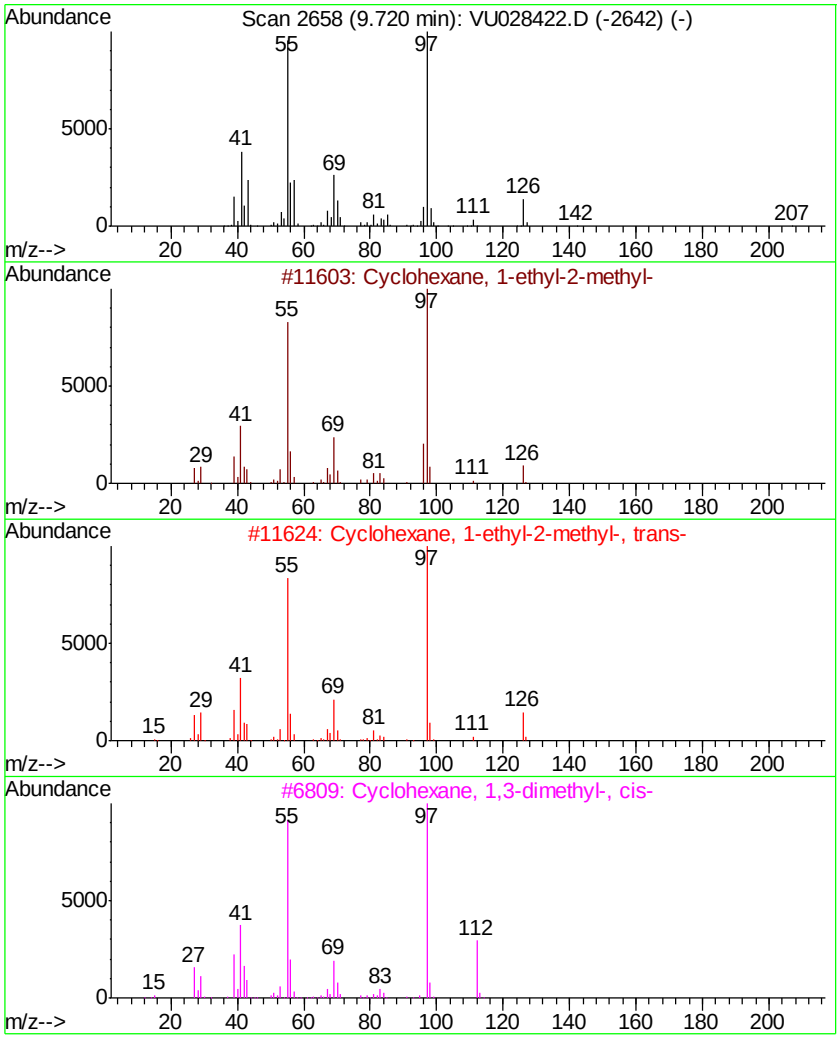
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

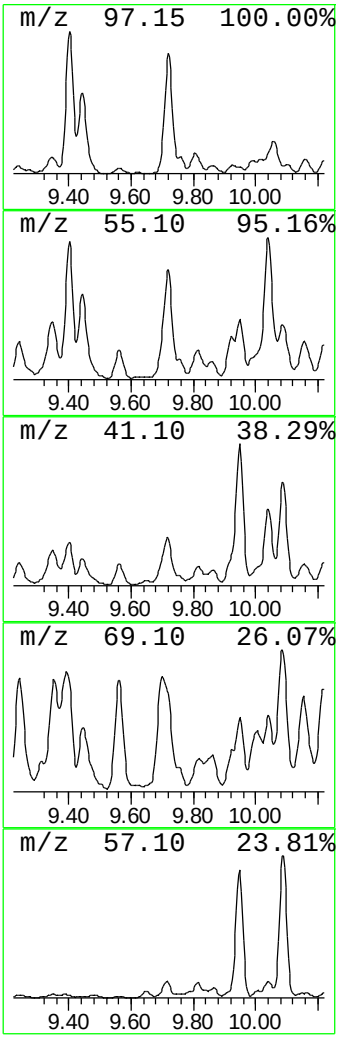
****

Peak Number 33 (DEL) Alkane: Cyclic9.72 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	51.54 ug/L	1578130	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

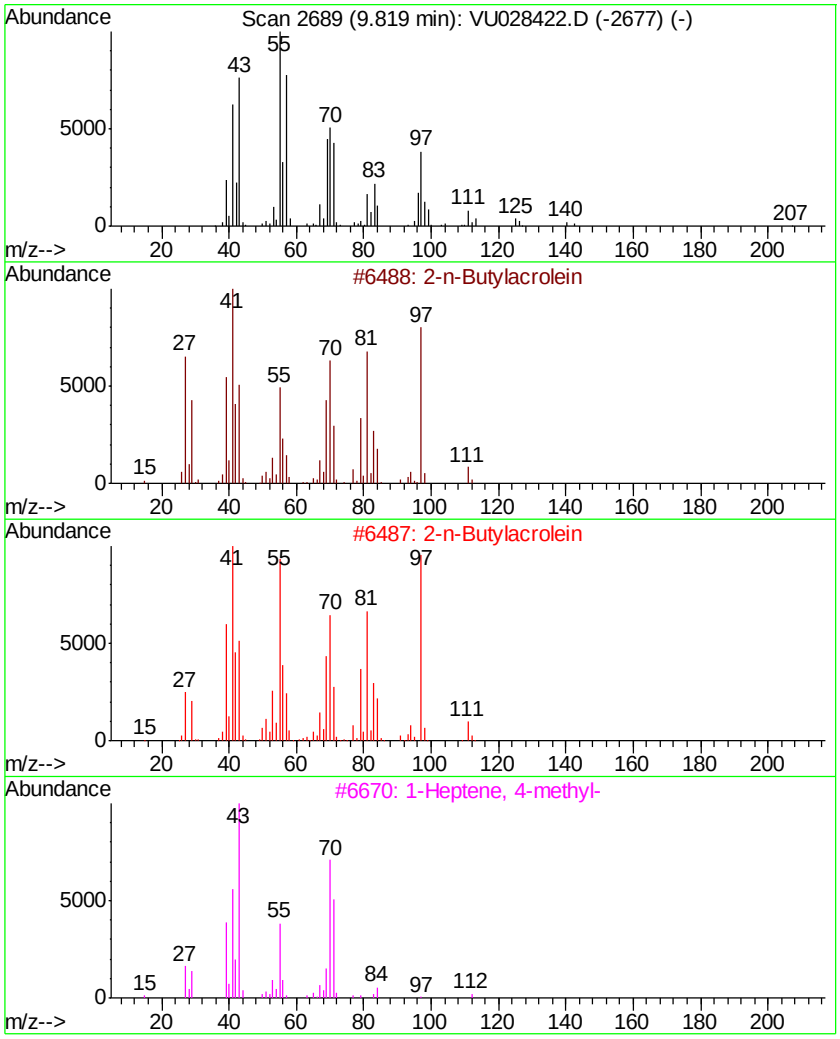
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

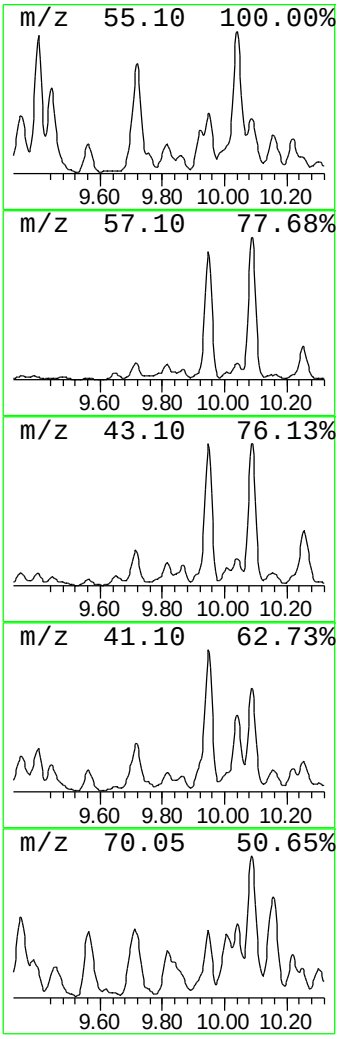
****

Peak Number 34 unknown-01 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	12.40 ug/L	379823	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-n-Butylacrolein	112	C7H12O	001070-66-2	38
2	2-n-Butylacrolein	112	C7H12O	001070-66-2	38
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	38
4	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38
5	1-Pentanol, 4-methyl-2-propyl-	144	C9H20O	054004-41-0	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

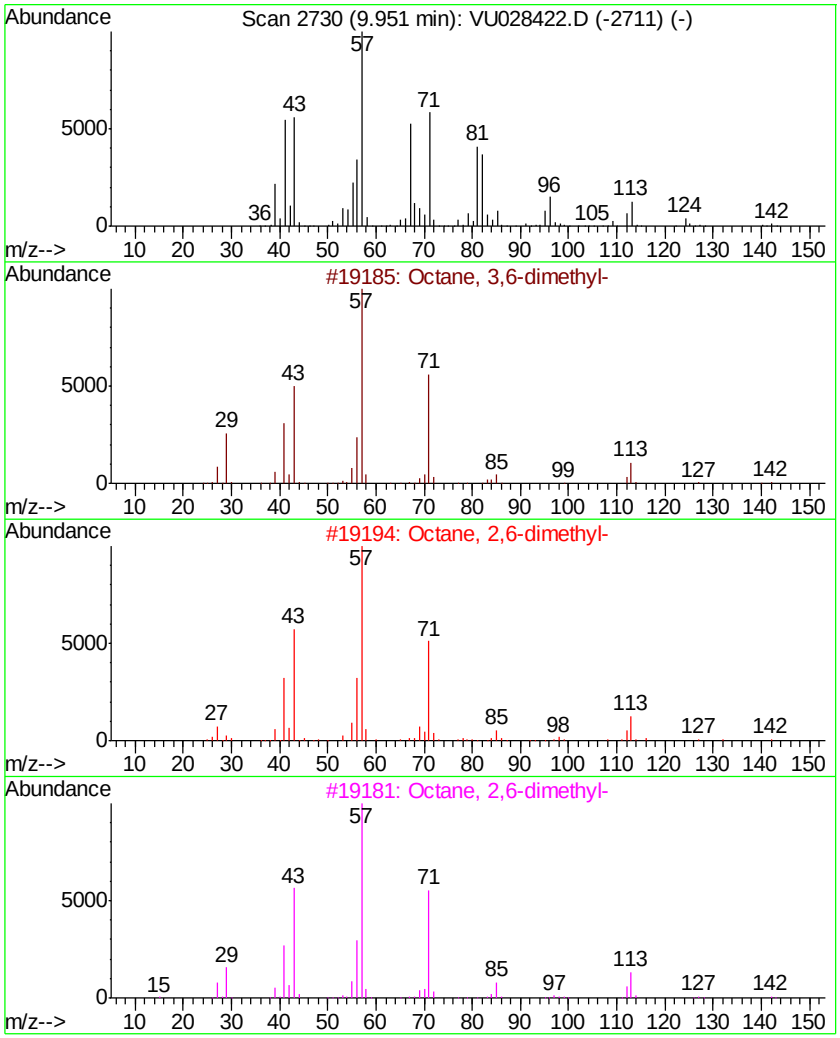
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

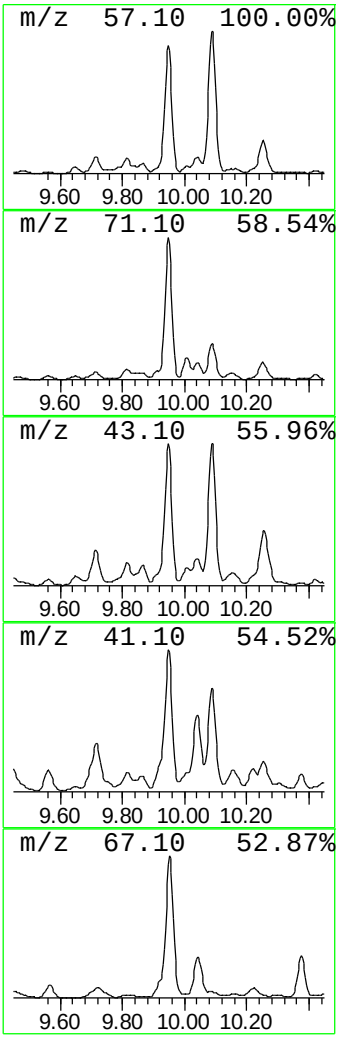
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	118.45 ug/L	3627210	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	55
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

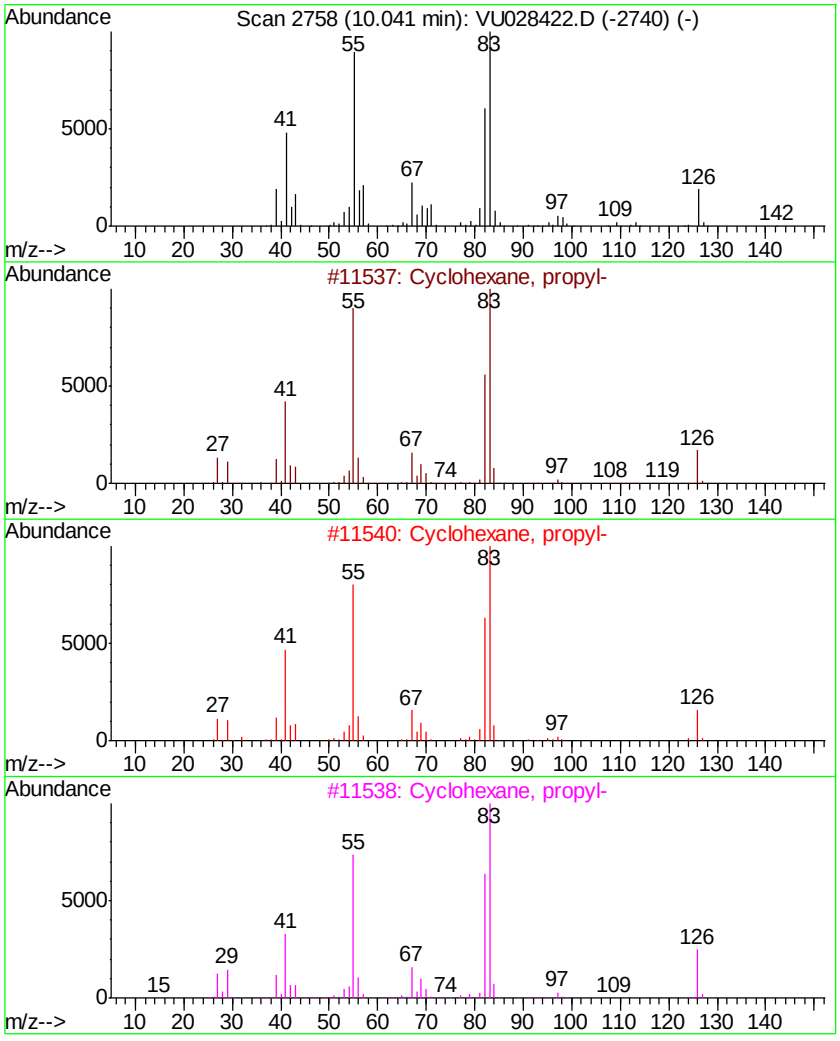
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

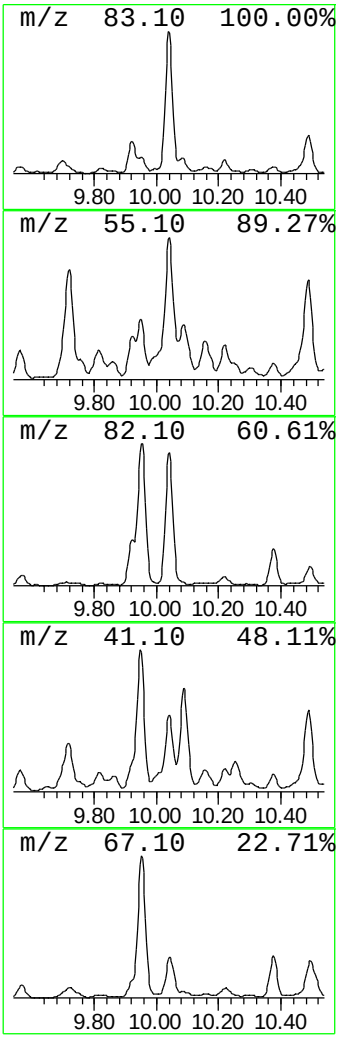
****

Peak Number 36 (DEL) Alkane: Cyclic10.04 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	70.12 ug/L	2147270	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	94
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

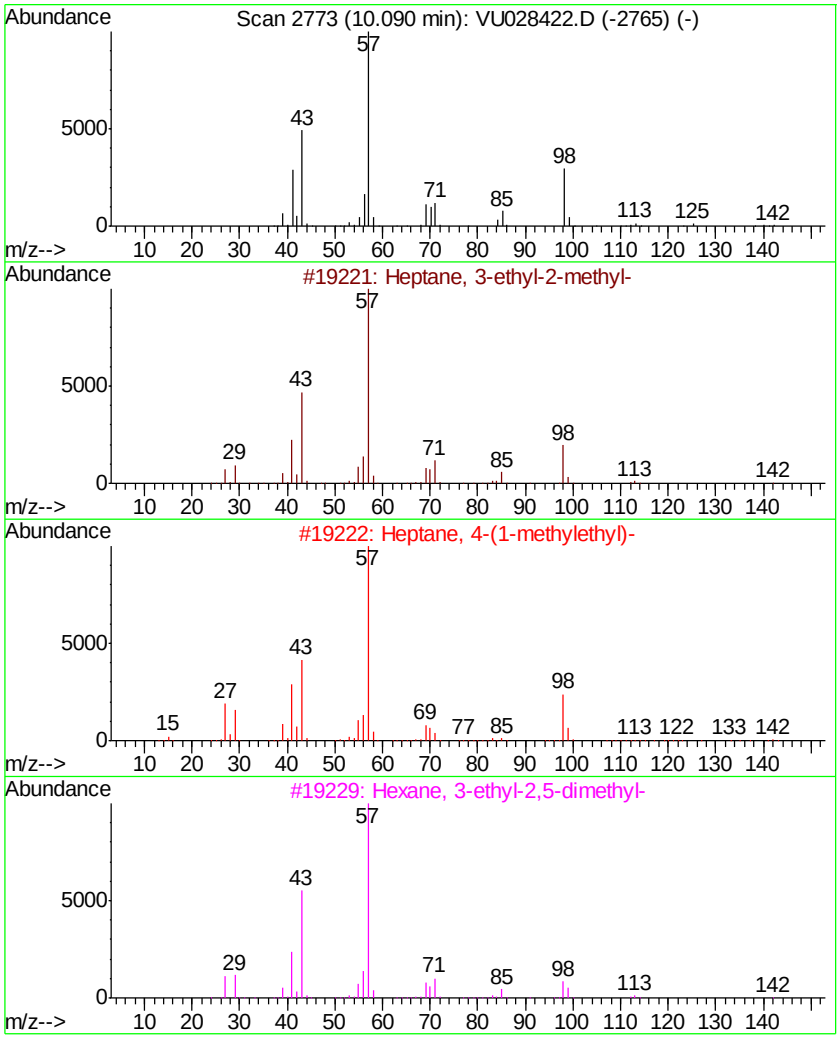
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

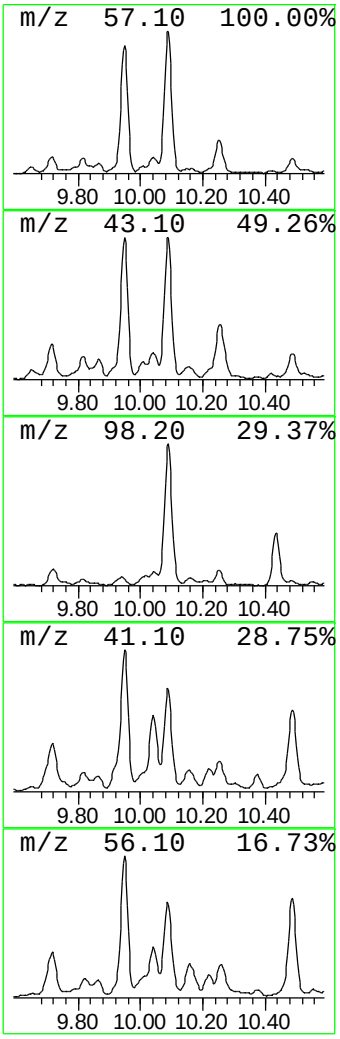
****

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	68.58 ug/L	2100070	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	72
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	59
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

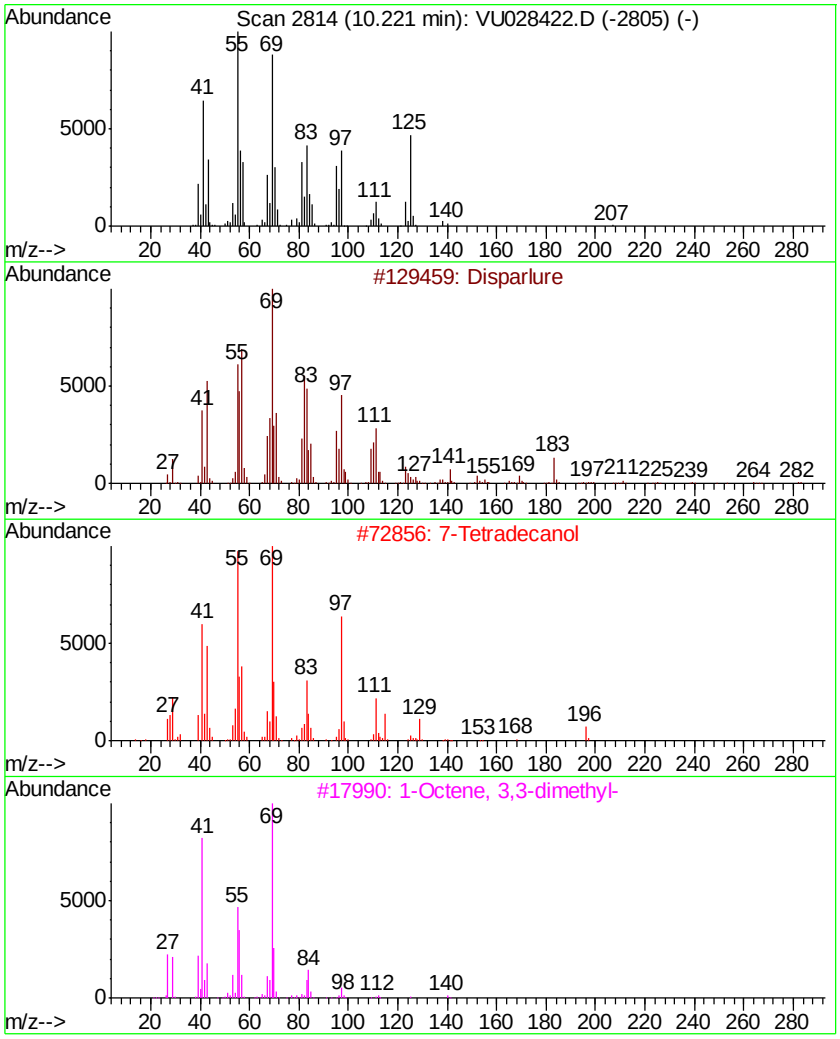
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

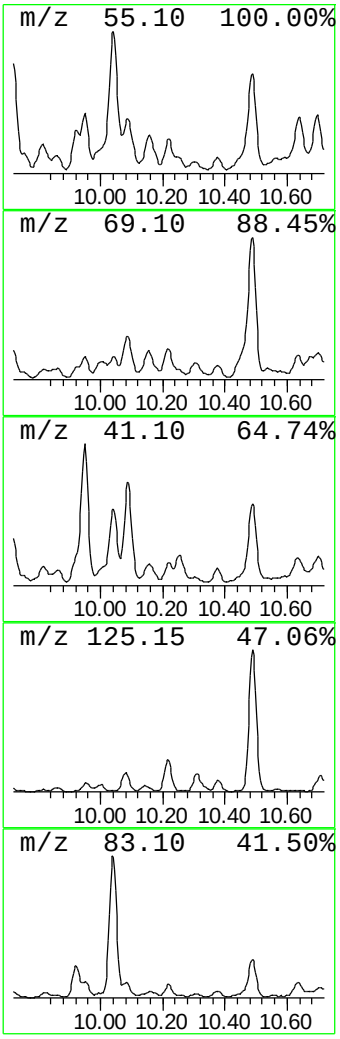
****

Peak Number 38 Disparlure Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	13.00 ug/L	398172	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disparlure	282	C19H38O	029804-22-6	59
2	7-Tetradecanol	214	C14H30O	003981-79-1	43
3	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	38
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
5	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

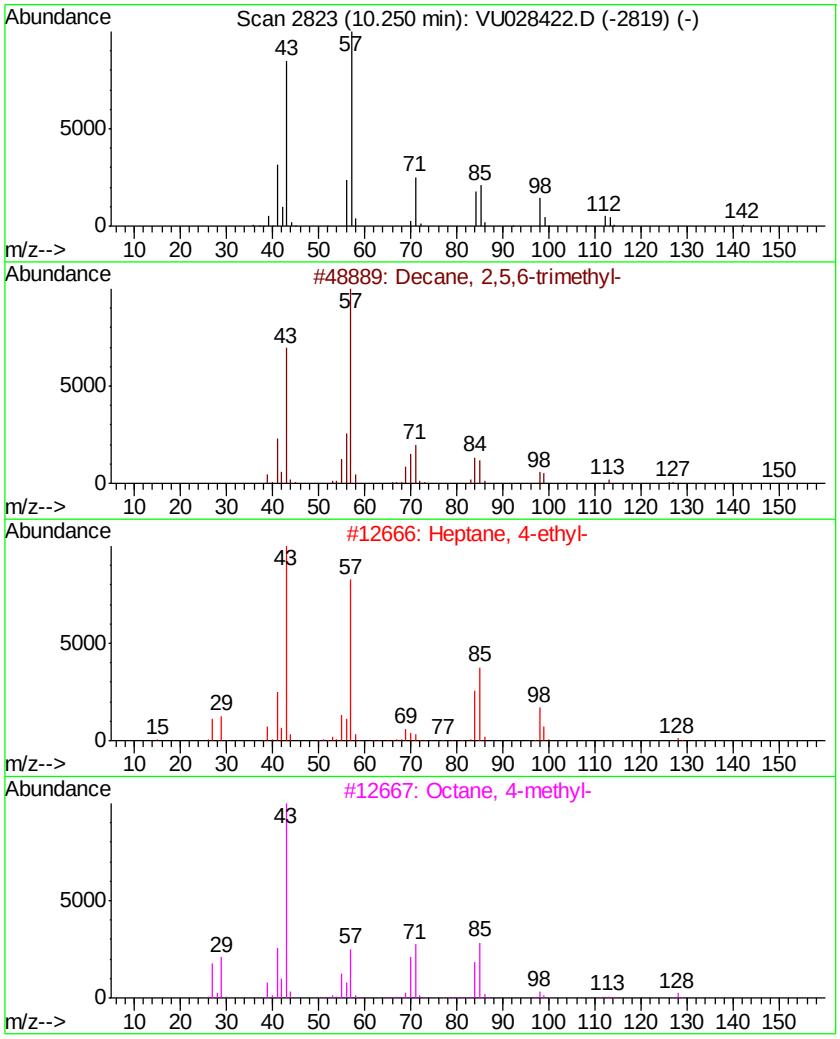
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

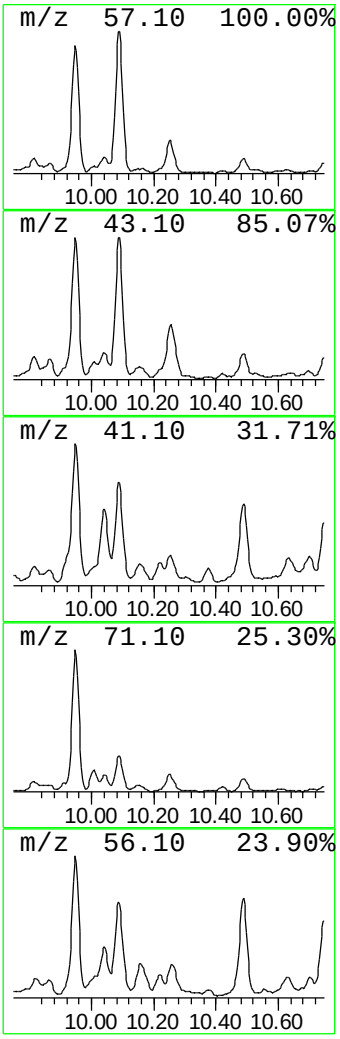
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	14.82 ug/L	453881	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	59
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
3	Octane, 4-methyl-	128	C9H20	002216-34-4	53
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
5	Nonane	128	C9H20	000111-84-2	50





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Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

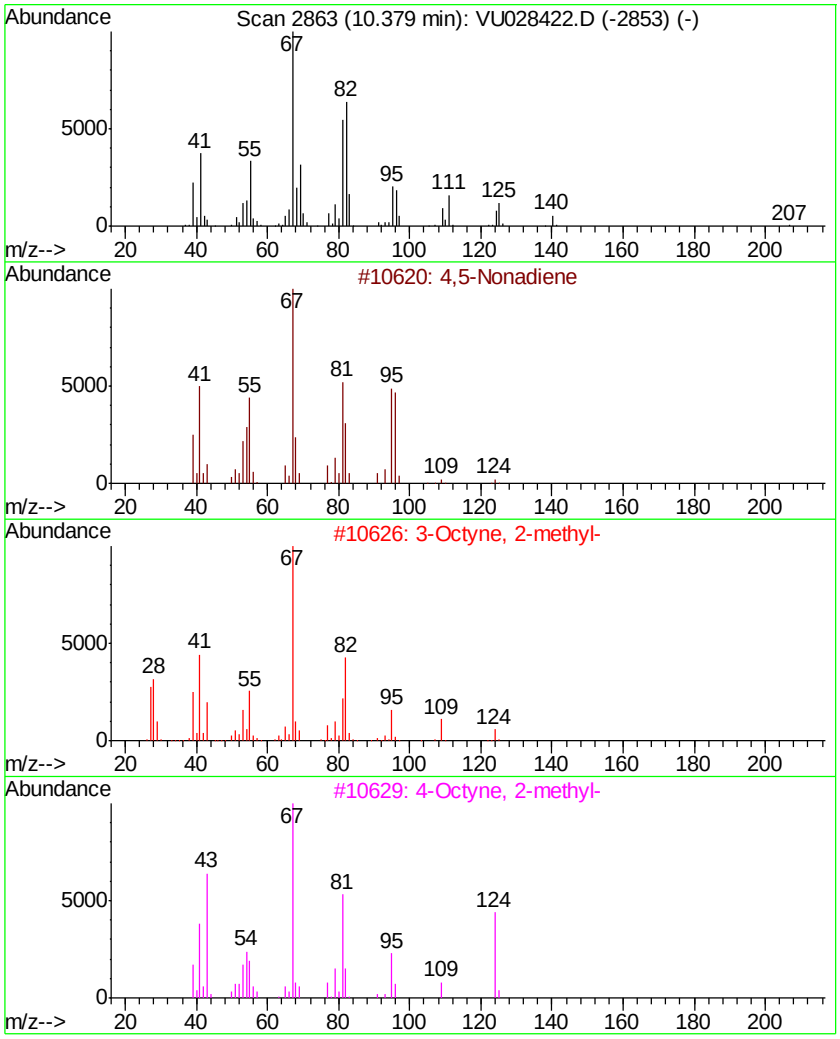
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

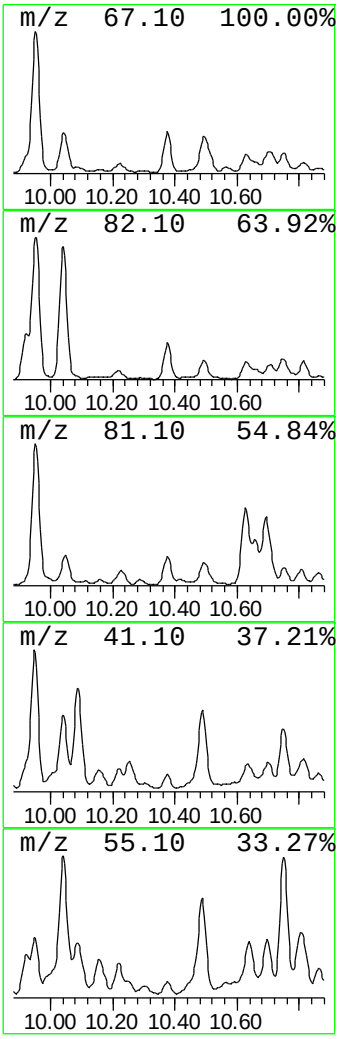
****

Peak Number 40 4,5-Nonadiene Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	12.20 ug/L	392320	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Nonadiene	124	C9H16	000821-74-9	58
2	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49
3	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	49
4	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	49
5	(Z)-Hex-3-enyl isobutyl carbonate	200	C11H20O3	1000372-75-0	47





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Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

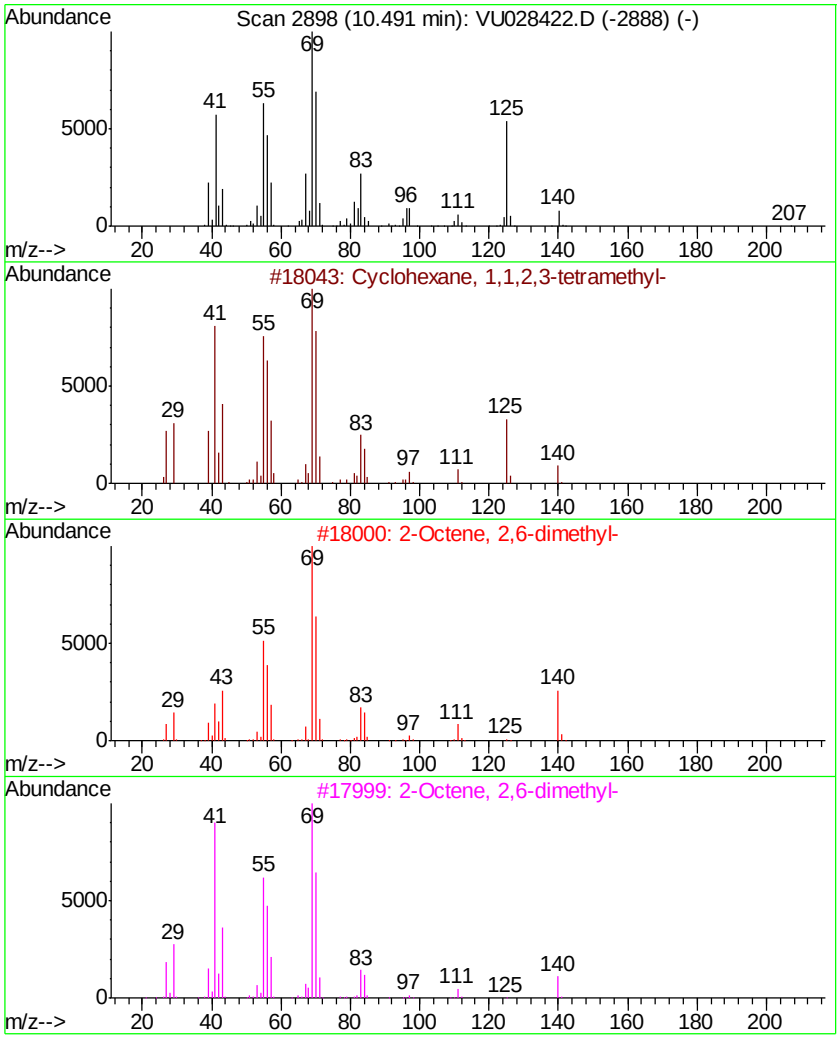
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

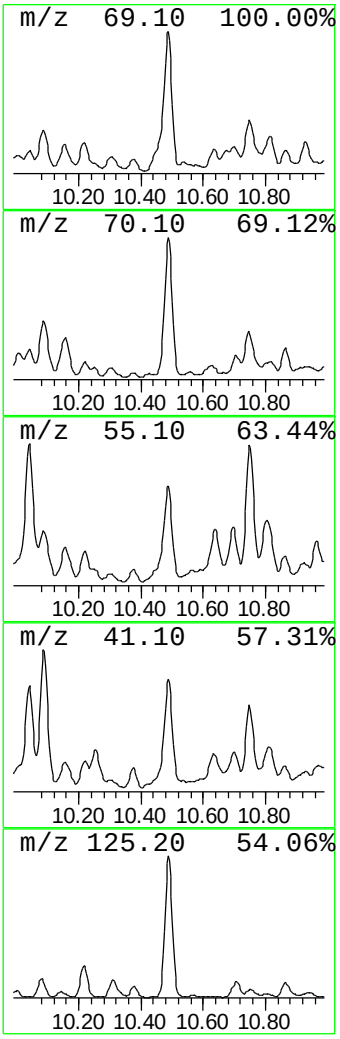
****

Peak Number 41 (DEL) Alkane: Cyclic10.49 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	62.99 ug/L	2025520	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	91
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
5	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

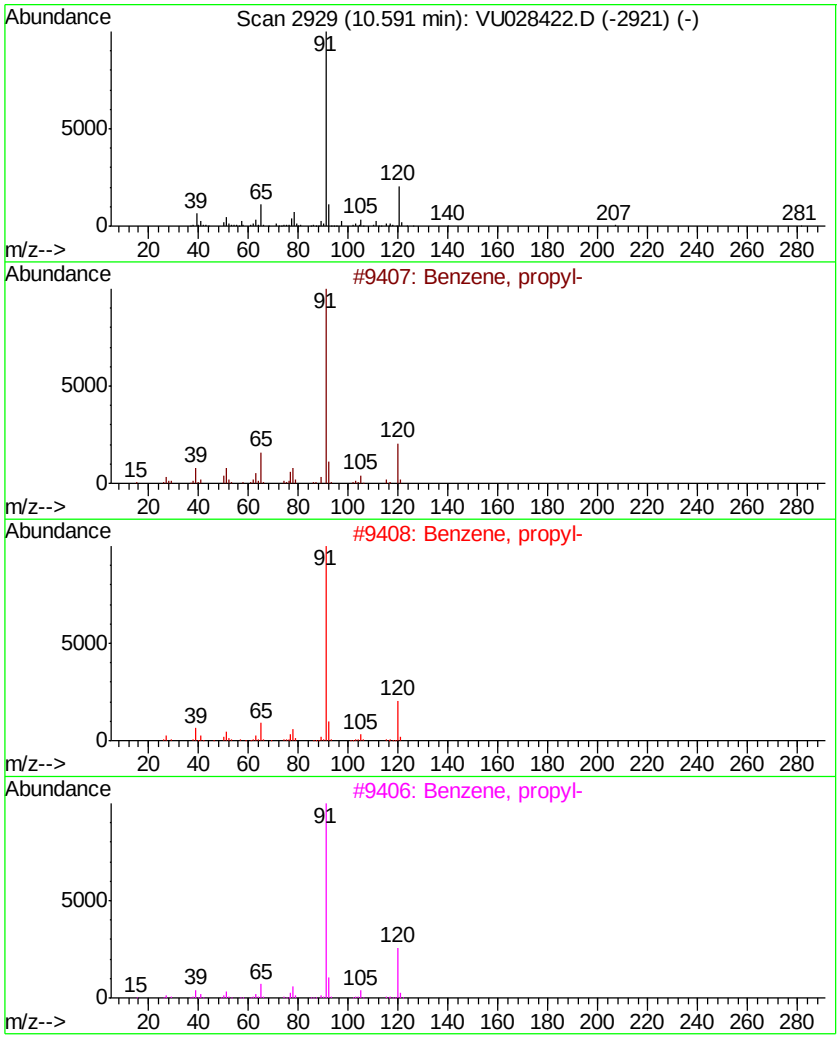
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

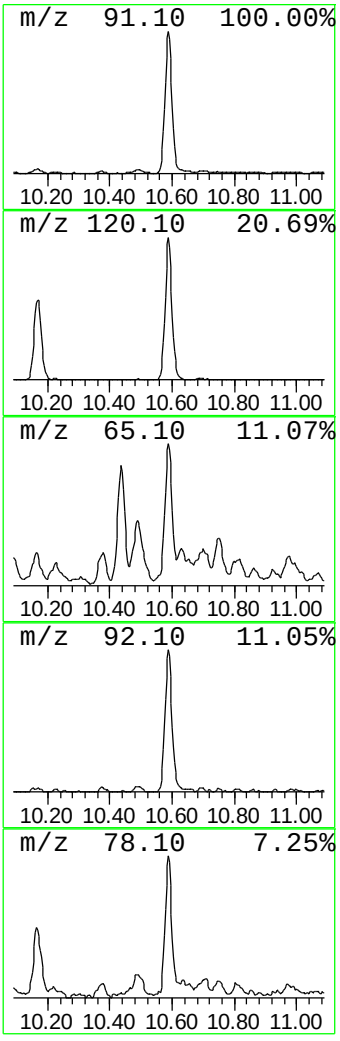
****

Peak Number 42 Benzene, propyl- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	7.50 ug/L	241277	1,4-Dichlorobenzene-d4	11.48

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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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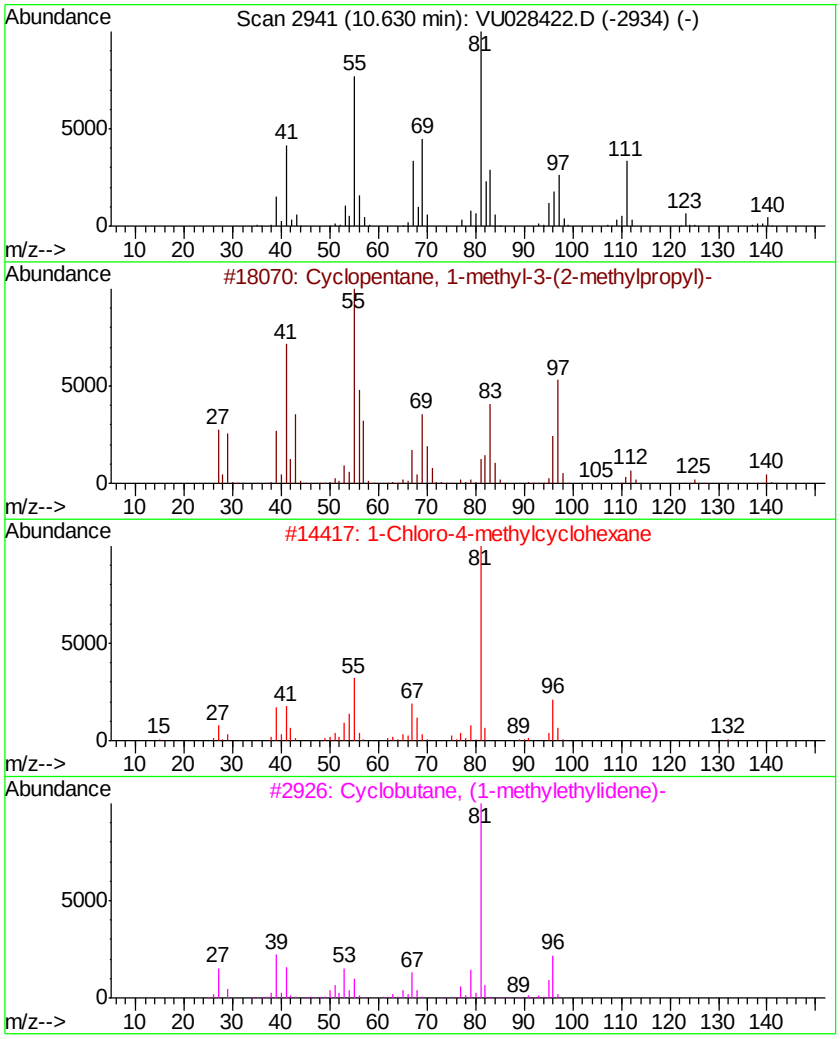
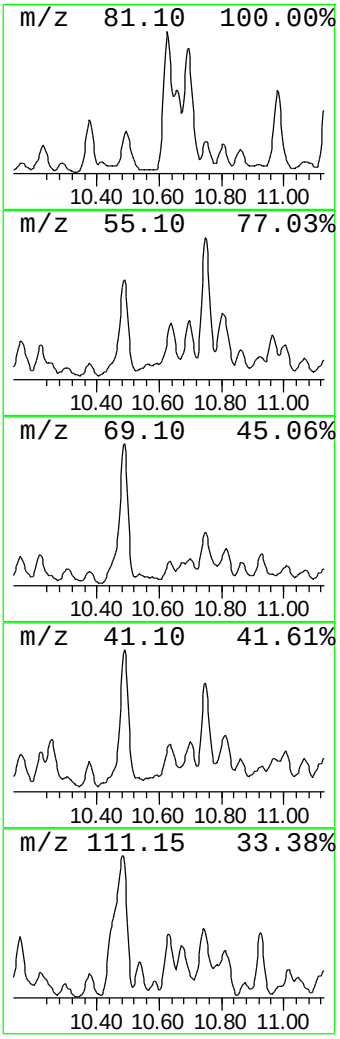
Peak Number 43 (DEL) Alkane: Cyclic10.63 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	23.87 ug/L	767588	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	43
2	1-Chloro-4-methylcyclohexane	132	C7H13Cl	000931-68-0	38
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
4	3-Hepten-1-ol, (Z)-	114	C7H14O	001708-81-2	37
5	1-Hexadecyne	222	C16H30	000629-74-3	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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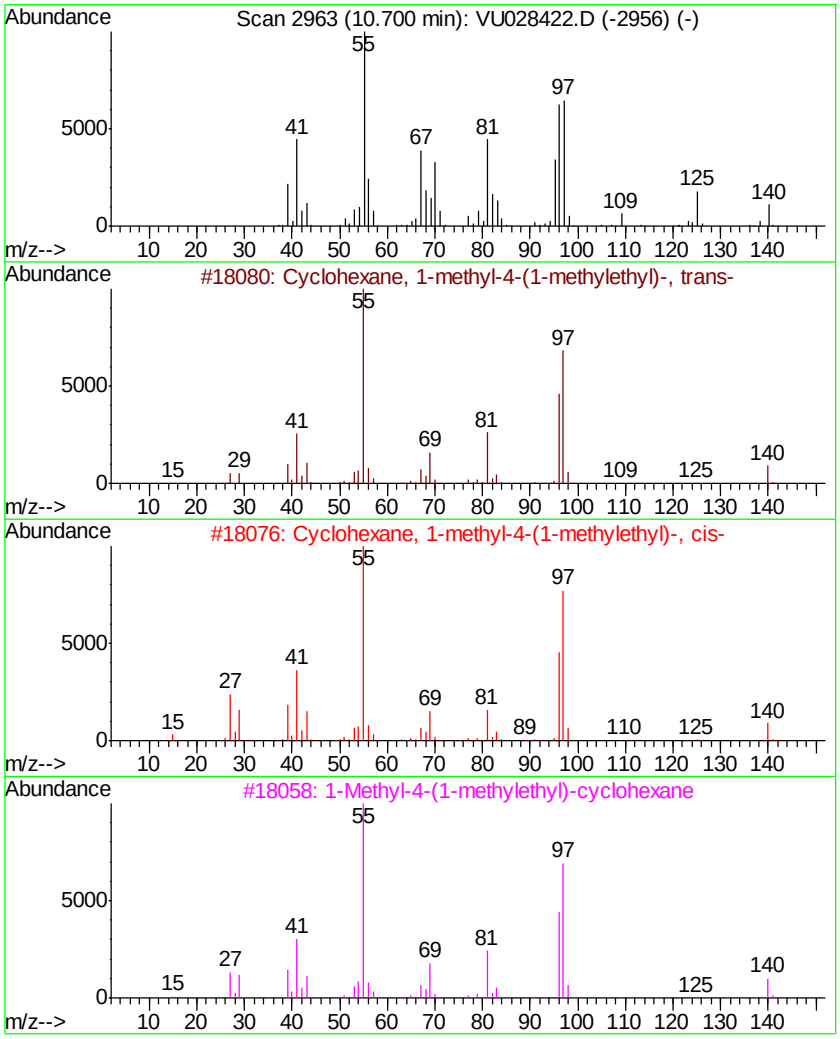
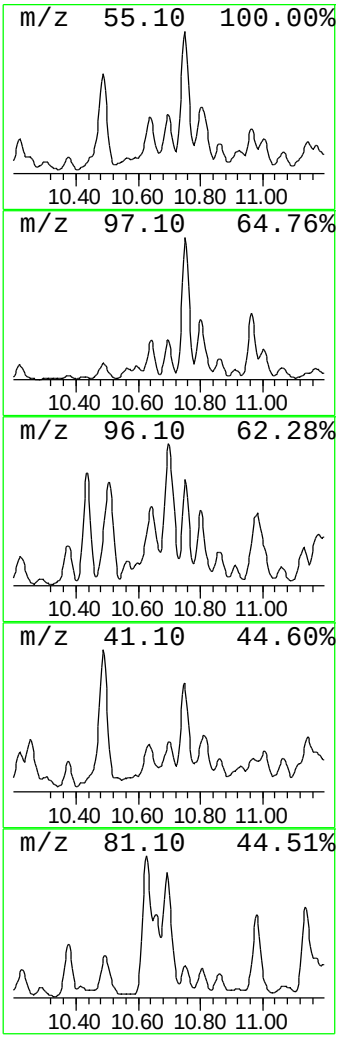
Peak Number 44 (DEL) Alkane: Cyclic10.70 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	21.58 ug/L	693910	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5	1,1'-Bicycloheptyl	194	C14H26	023183-11-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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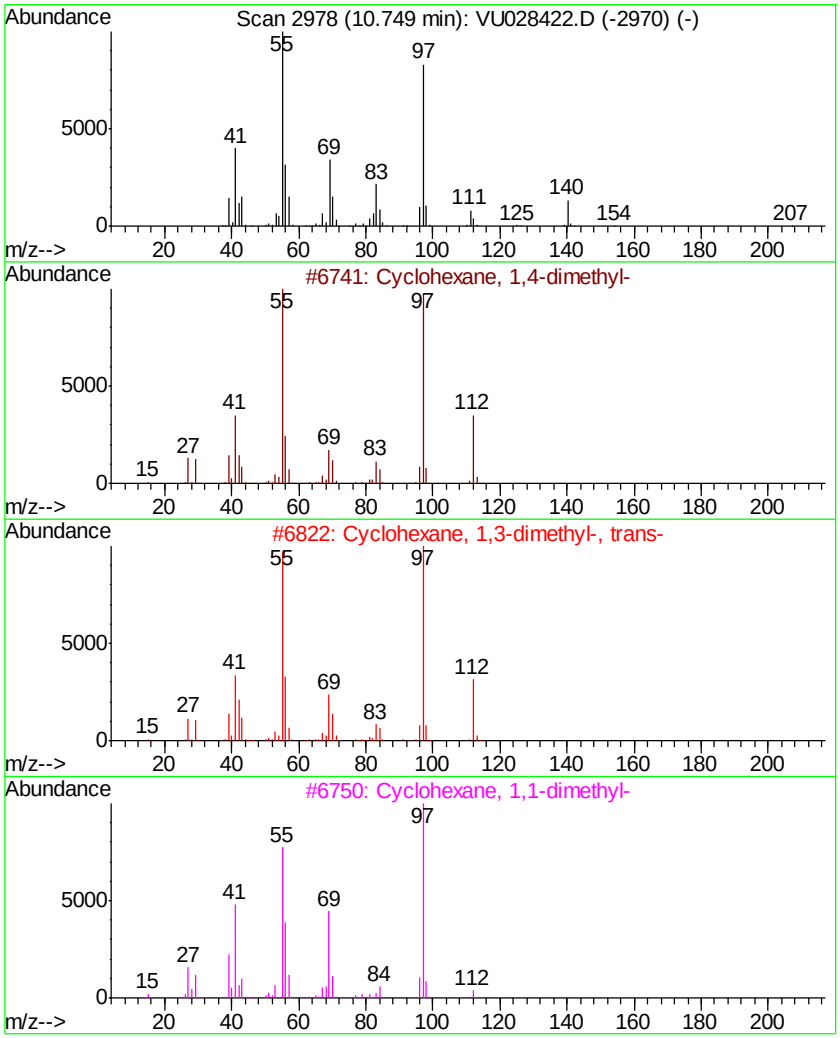
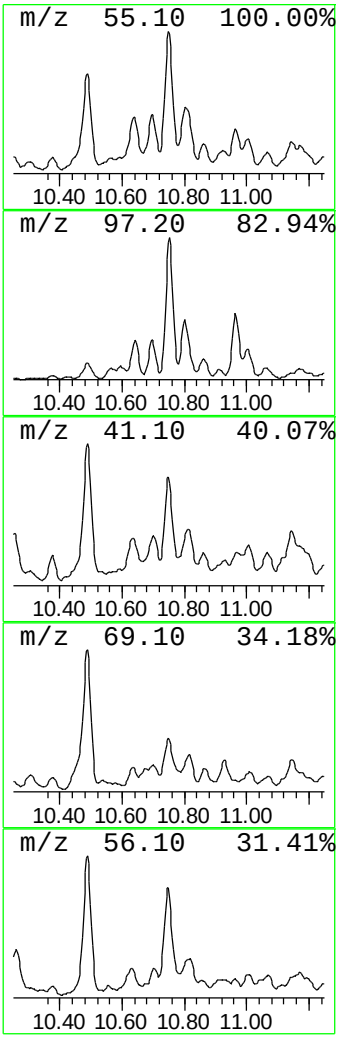
Peak Number 45 (DEL) Alkane: Cyclic10.75 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	44.50 ug/L	1430980	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	83
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	74
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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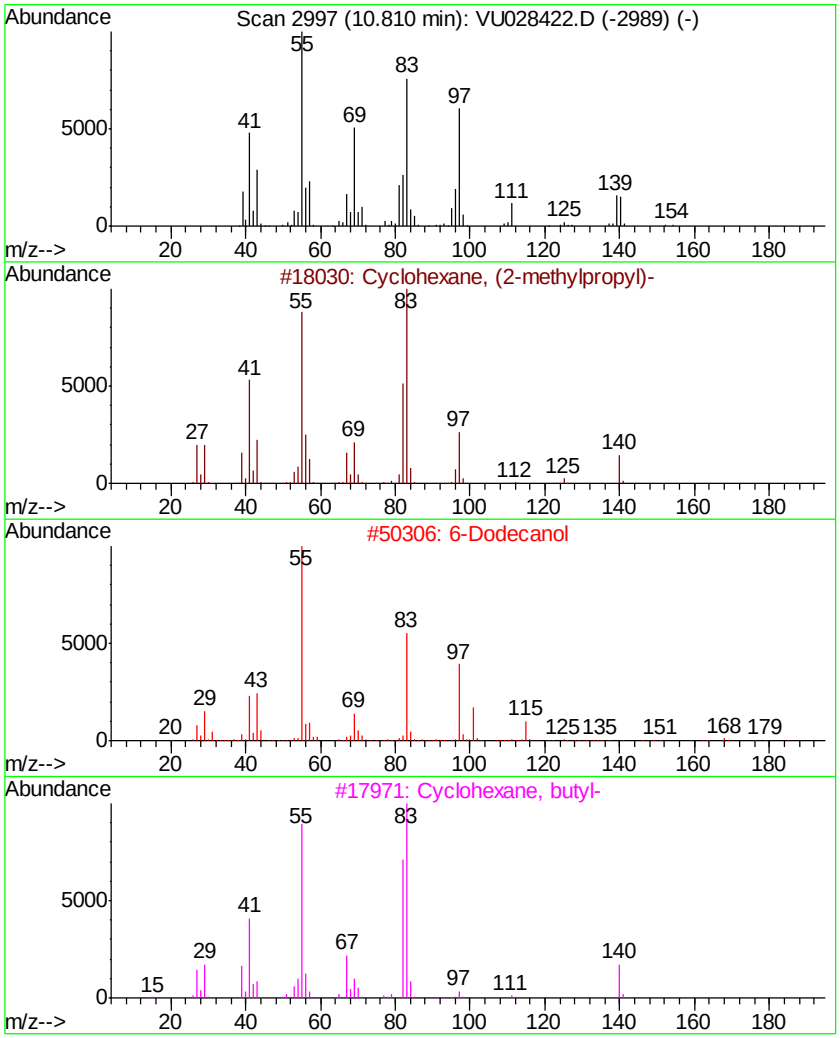
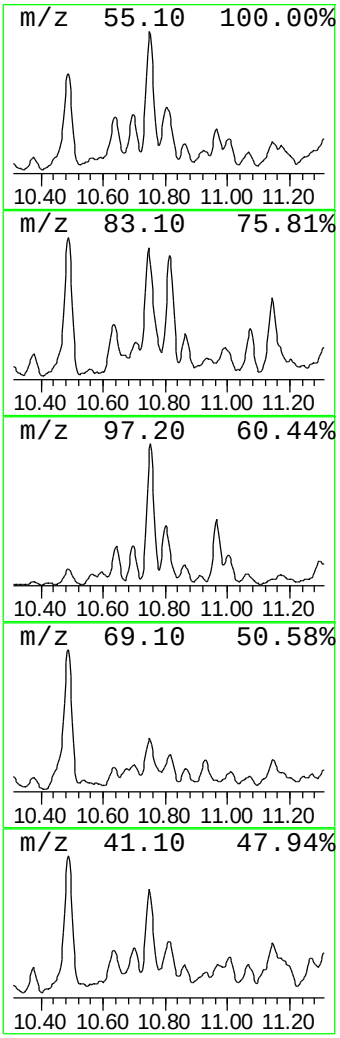
Peak Number 46 (DEL) Alkane: Cyclic10.81 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	23.75 ug/L	763715	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
2	6-Dodecanol	186	C12H26O	006836-38-0	50
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	49
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	46
5	Cyclohexane, isothiocyanato-	141	C7H11NS	001122-82-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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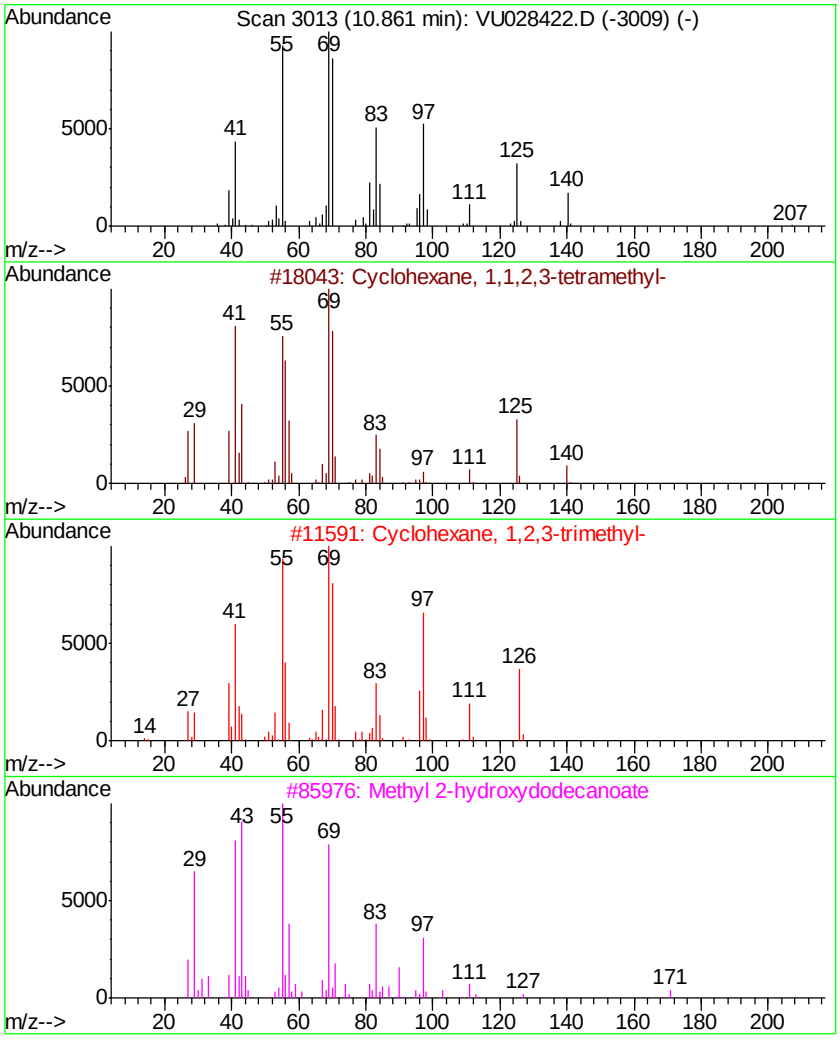
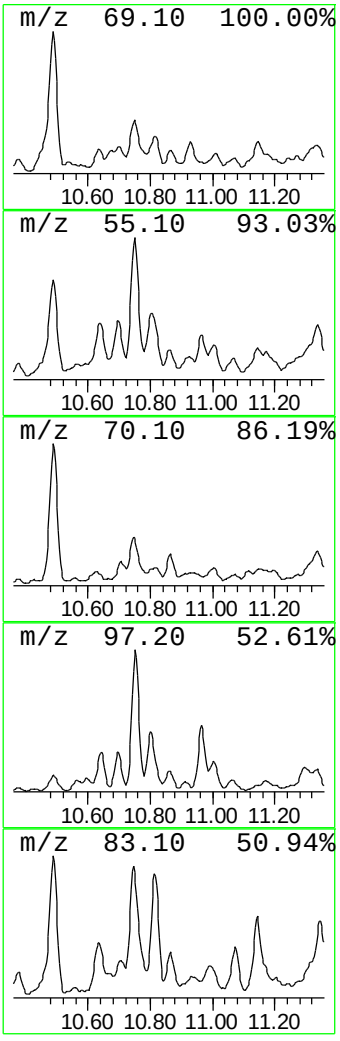
Peak Number 47 (DEL) Alkane: Cyclic10.86 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	6.11 ug/L	196495	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	68
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	45
3	Methyl 2-hydroxydodecanoate	230	C13H26O3	051067-85-7	43
4	Cyclopentane, pentyl-	140	C10H20	003741-00-2	40
5	6-Dodecene, (E)-	168	C12H24	007206-17-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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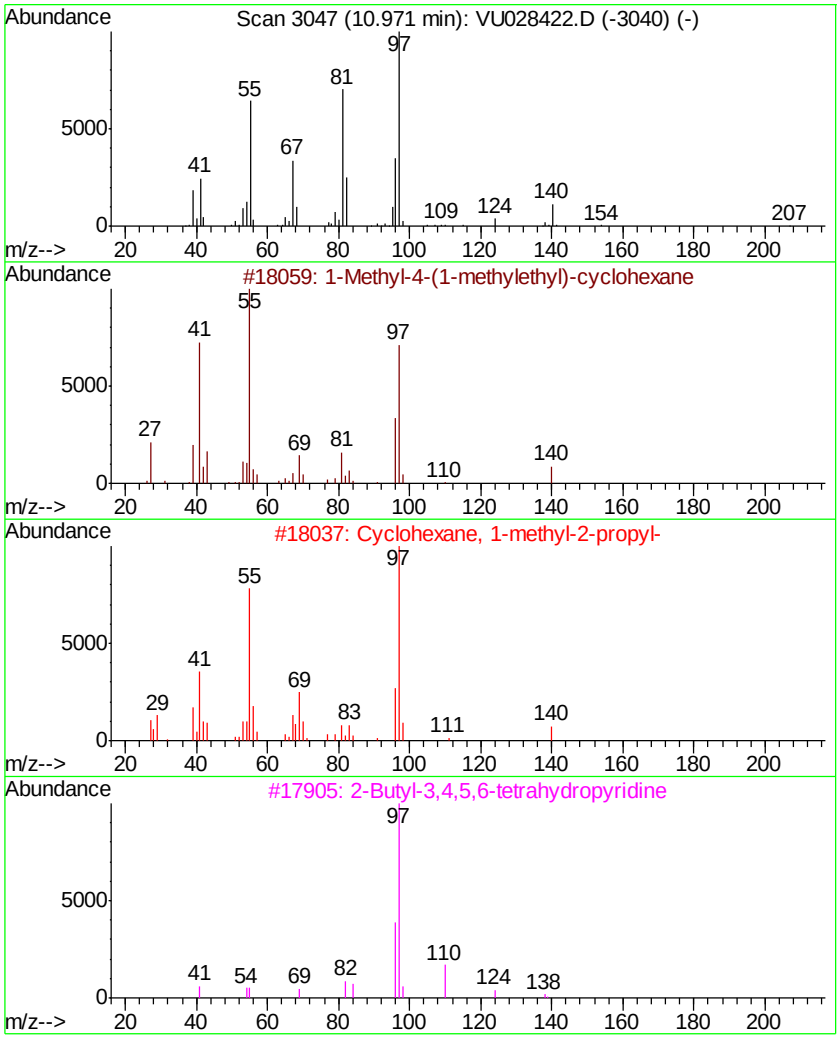
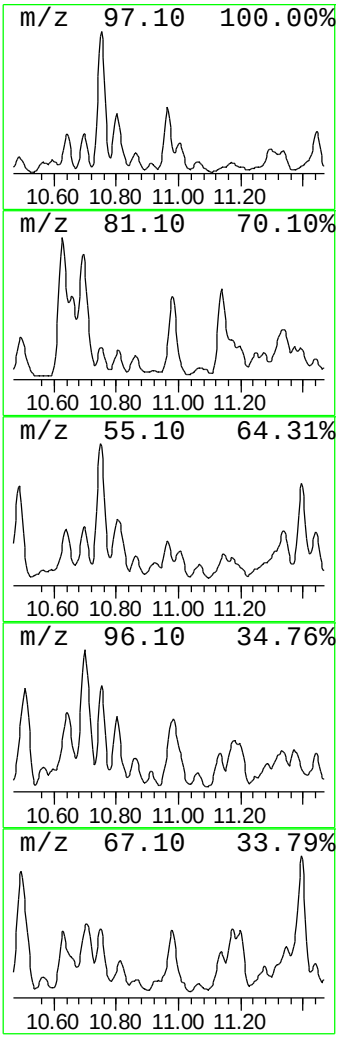
Peak Number 48 (DEL) Alkane: Cyclic10.97 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	8.53 ug/L	274299	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	53
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	50
3	2-Butyl-3,4,5,6-tetrahydropyridine	139	C9H17N	001462-94-8	43
4	trans-4-Methylcyclohexanol, pent...	260	C10H13F5O2	1000364-13-9	35
5	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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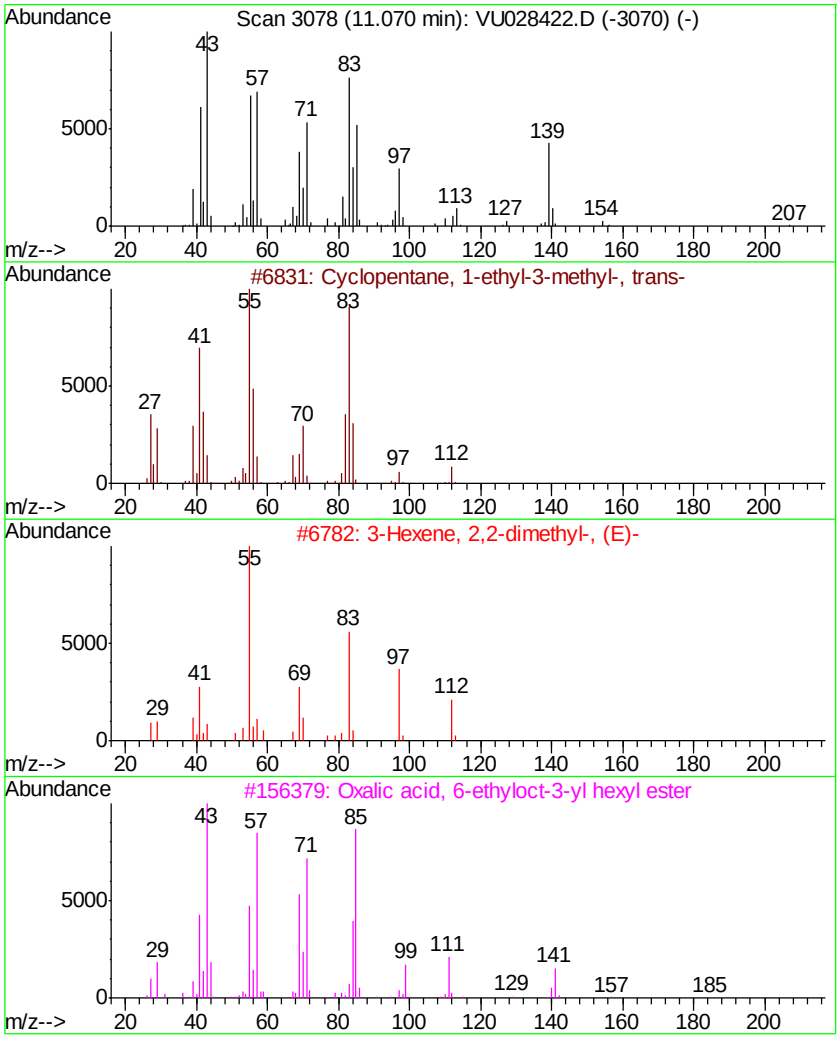
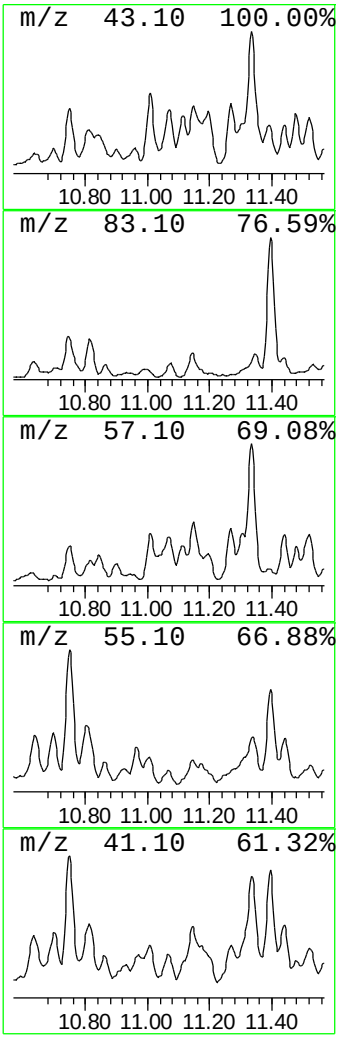
Peak Number 49 (DEL) Alkane: Cyclic11.07 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	8.31 ug/L	267161	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	35
2	3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	30
3	Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	27
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	27
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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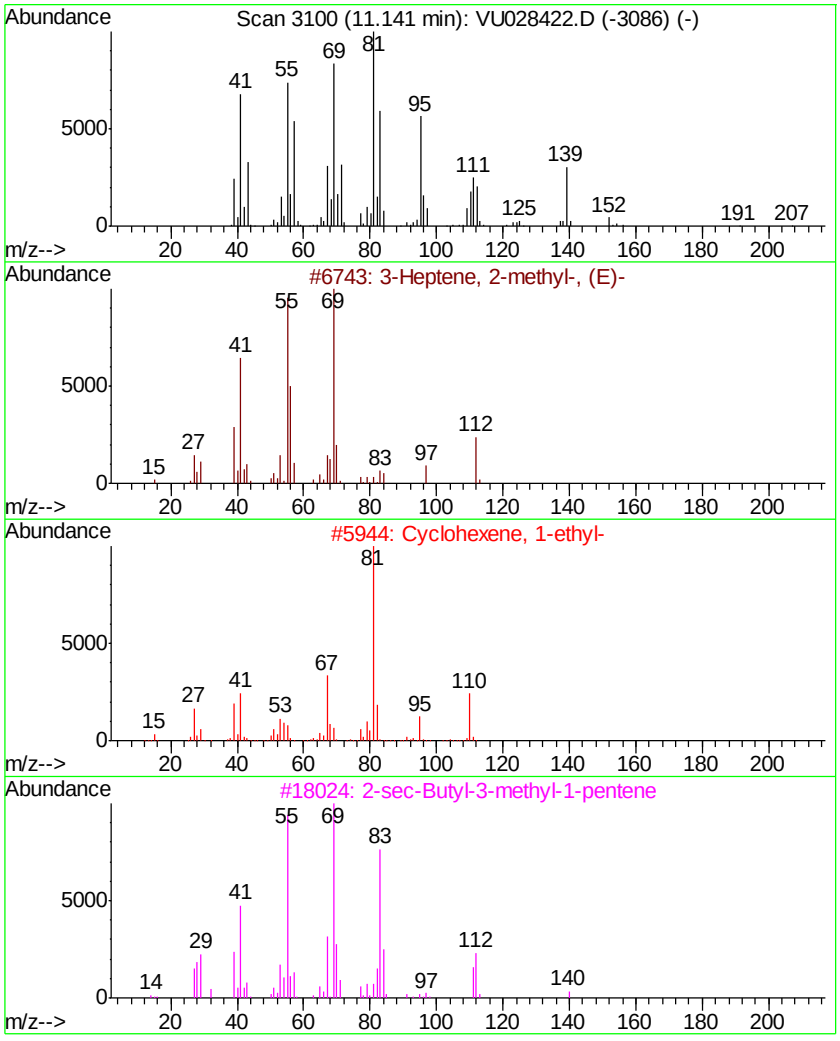
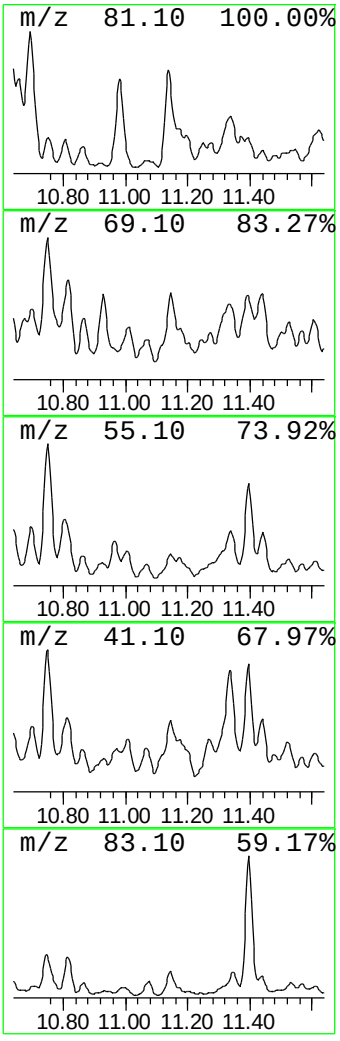
Peak Number 50 (DEL) Alkane: Cyclic11.14 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	24.98 ug/L	803416	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	35
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	35
3	2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	30
4	4-Ethylcyclohexene	110	C8H14	003742-42-5	20
5	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	18





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

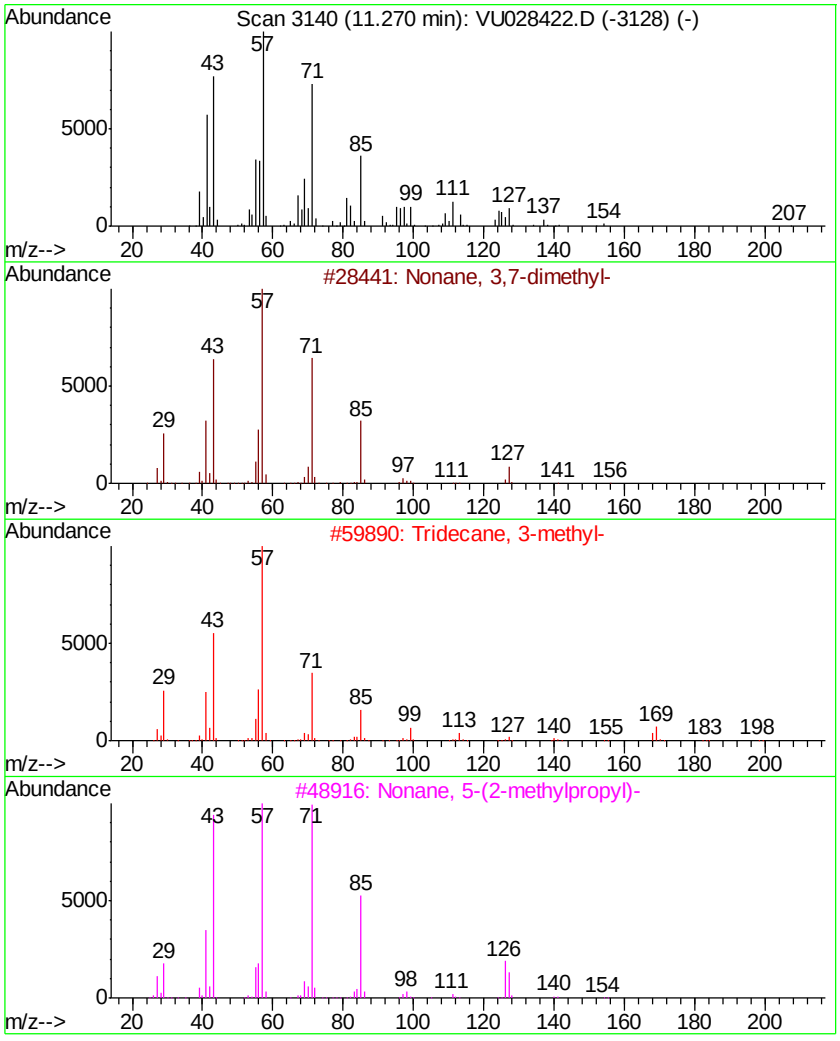
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

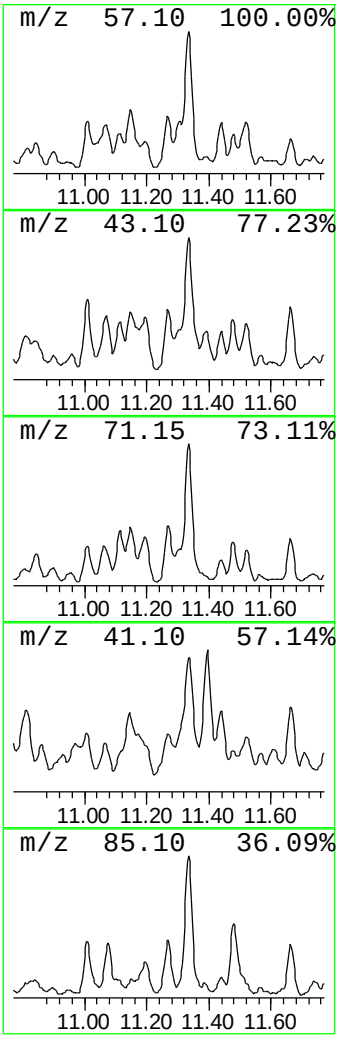
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	13.67 ug/L	439553	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	53
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

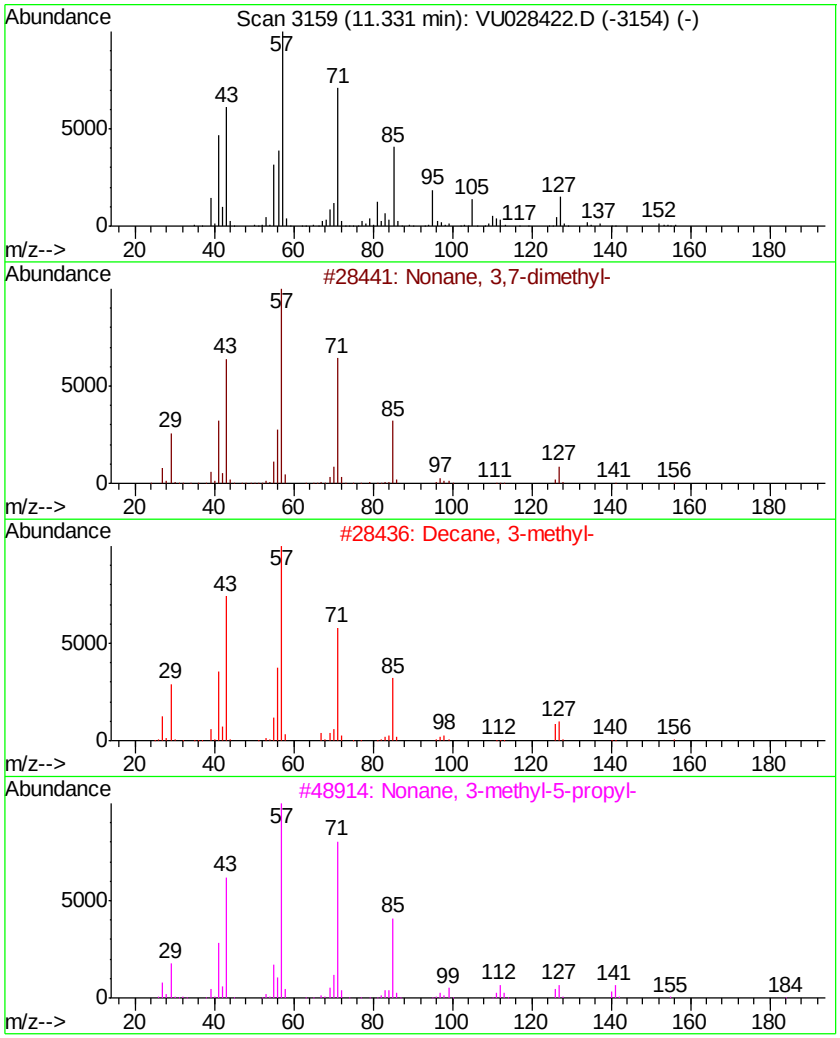
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

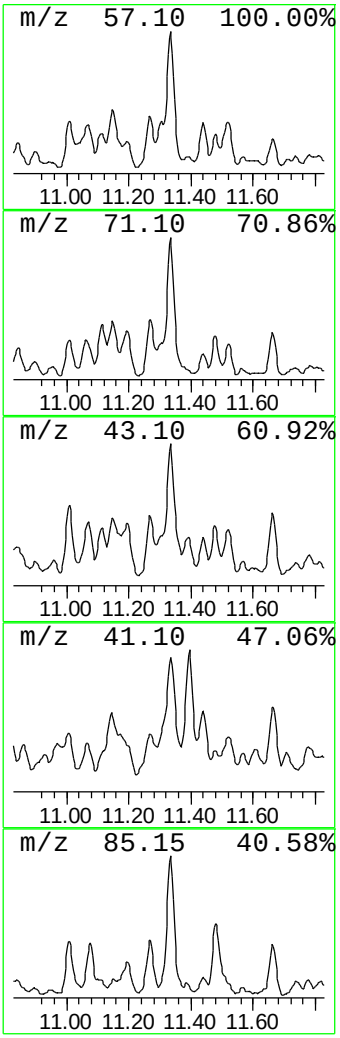
****

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	28.67 ug/L	921903	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	68
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	50
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

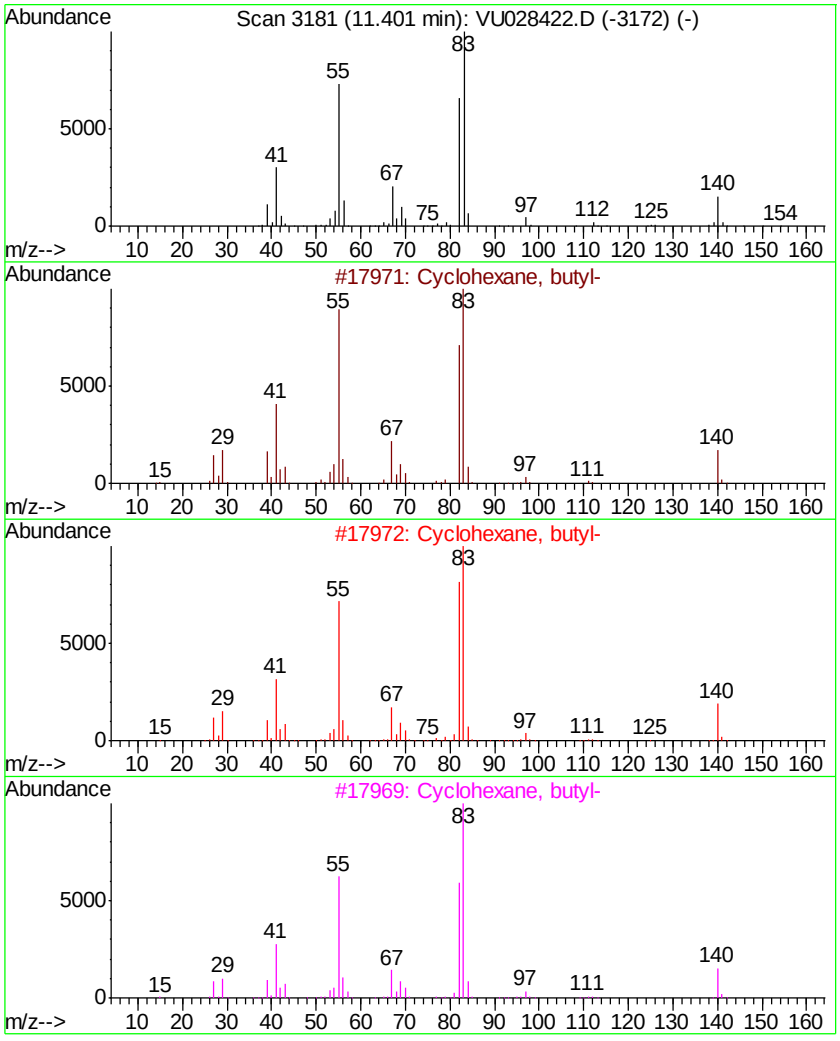
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

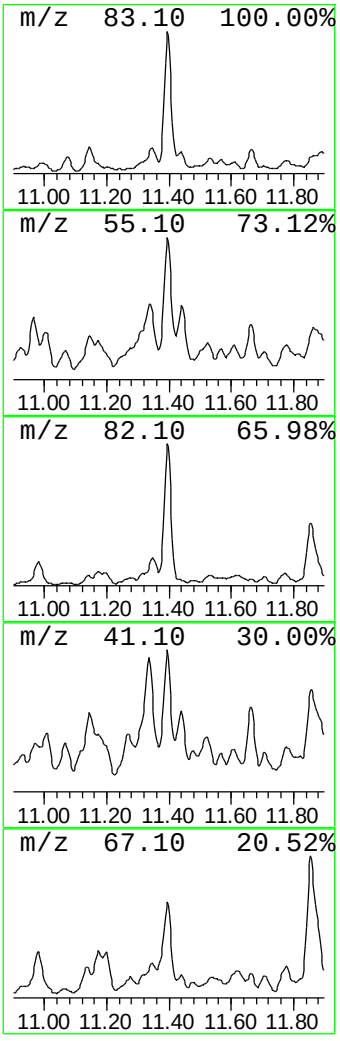
****

Peak Number 53 (DEL) Alkane: Cyclic11.40 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	22.38 ug/L	719791	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	97
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	86
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

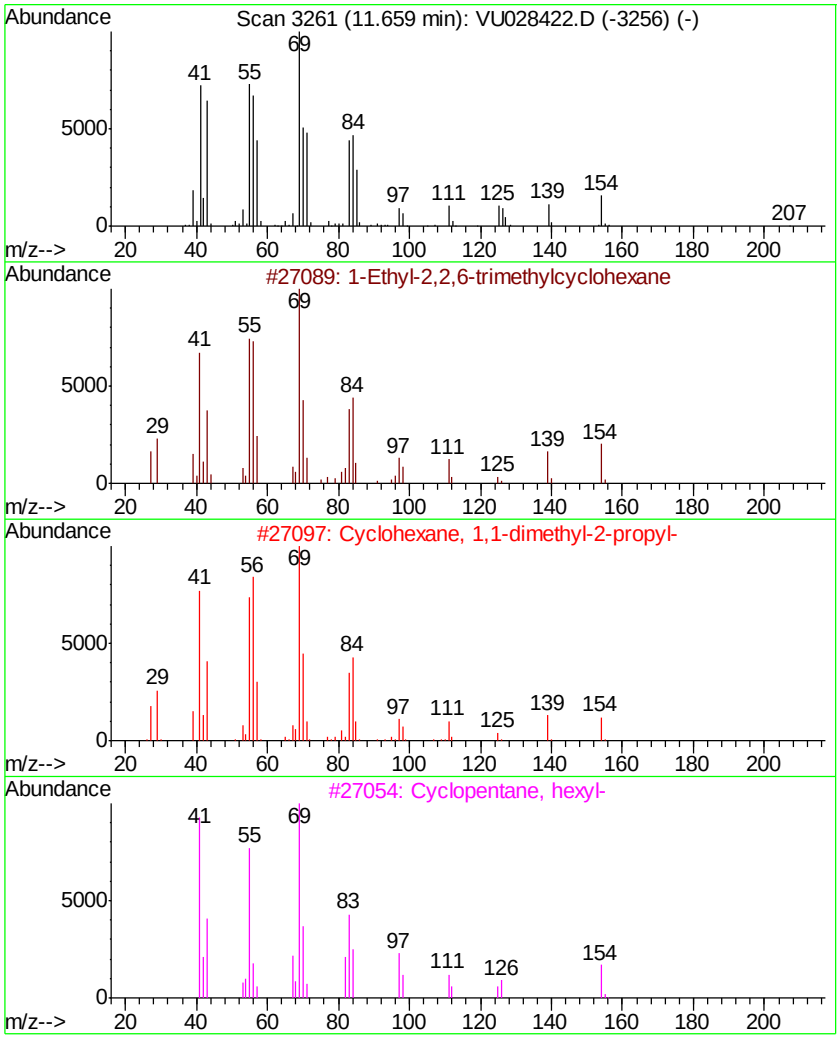
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

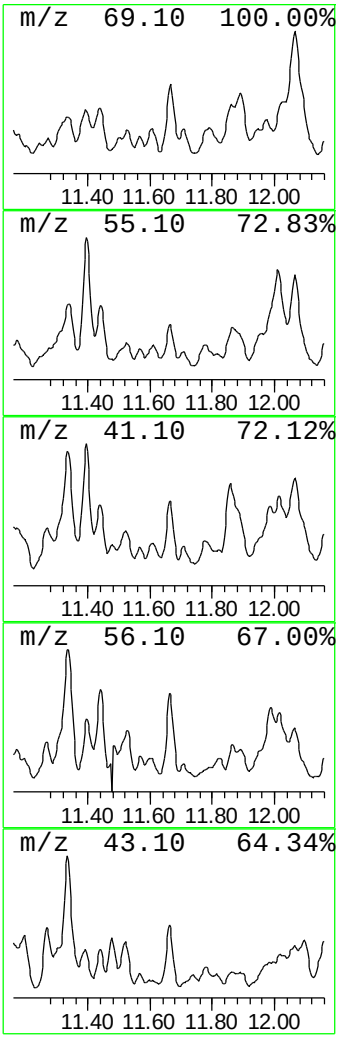
****

Peak Number 54 (DEL) Alkane: Cyclic11.66 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	13.78 ug/L	443138	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	70
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	64
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
4	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	49
5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

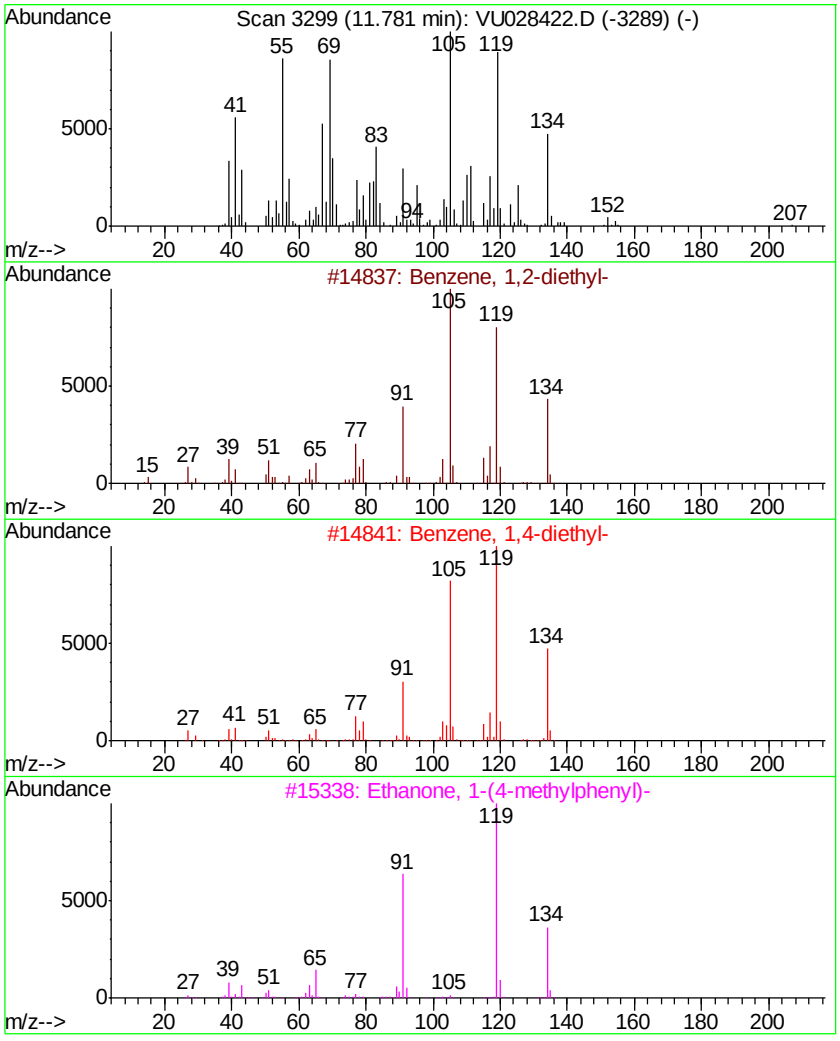
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

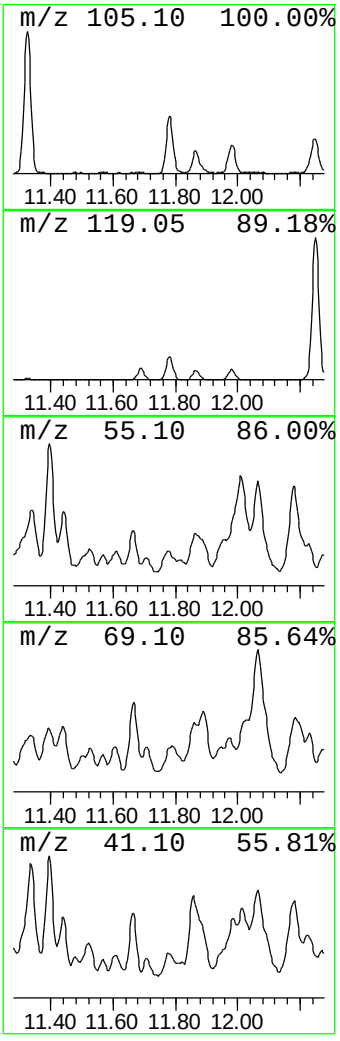
****

Peak Number 55 Benzene, 1,2-diethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	15.18 ug/L	488168	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
3	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	35
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	35
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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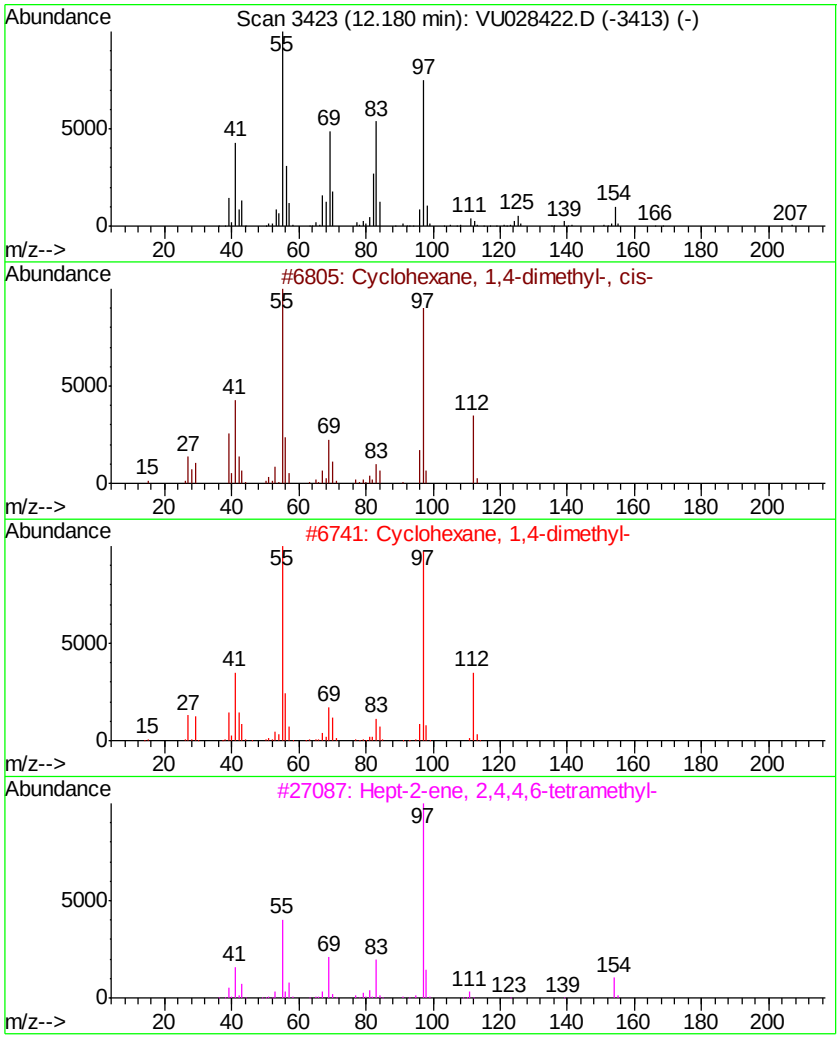
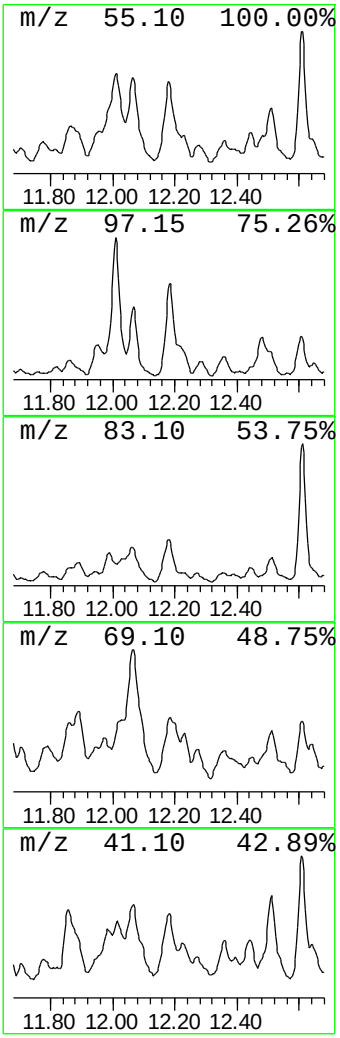
Peak Number 56 (DEL) Alkane: Cyclic12.18 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	25.42 ug/L	817386	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	52
3	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	46
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

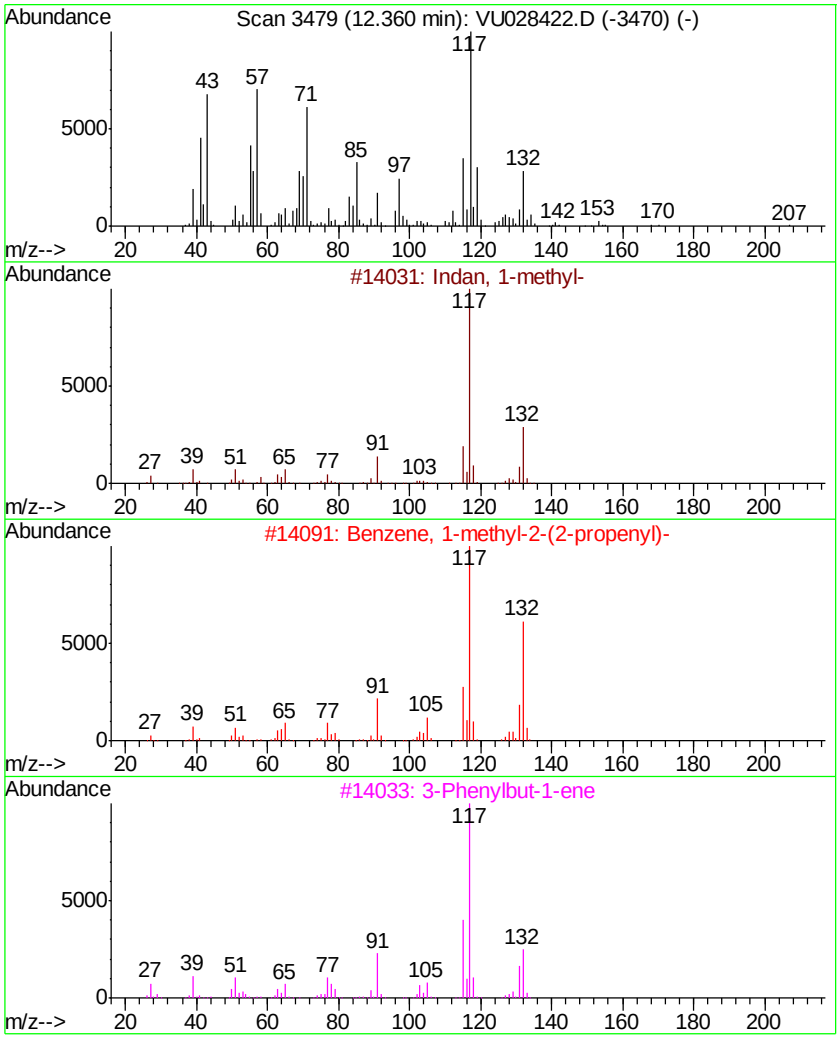
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

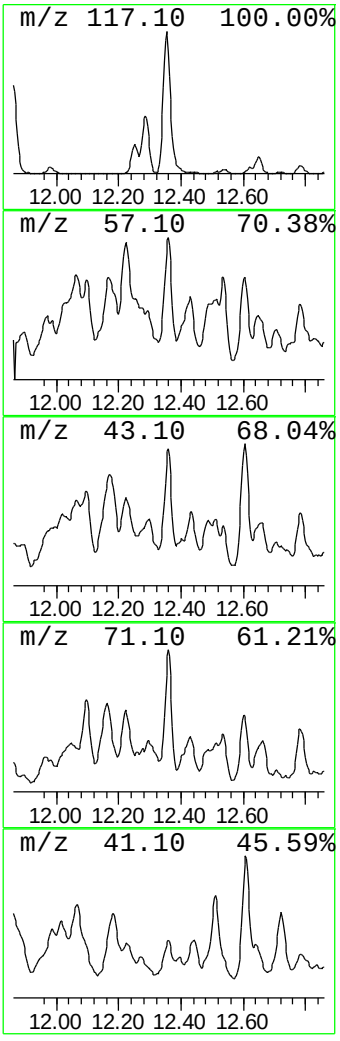
****

Peak Number 57 Indan, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	20.95 ug/L	673764	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	86
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

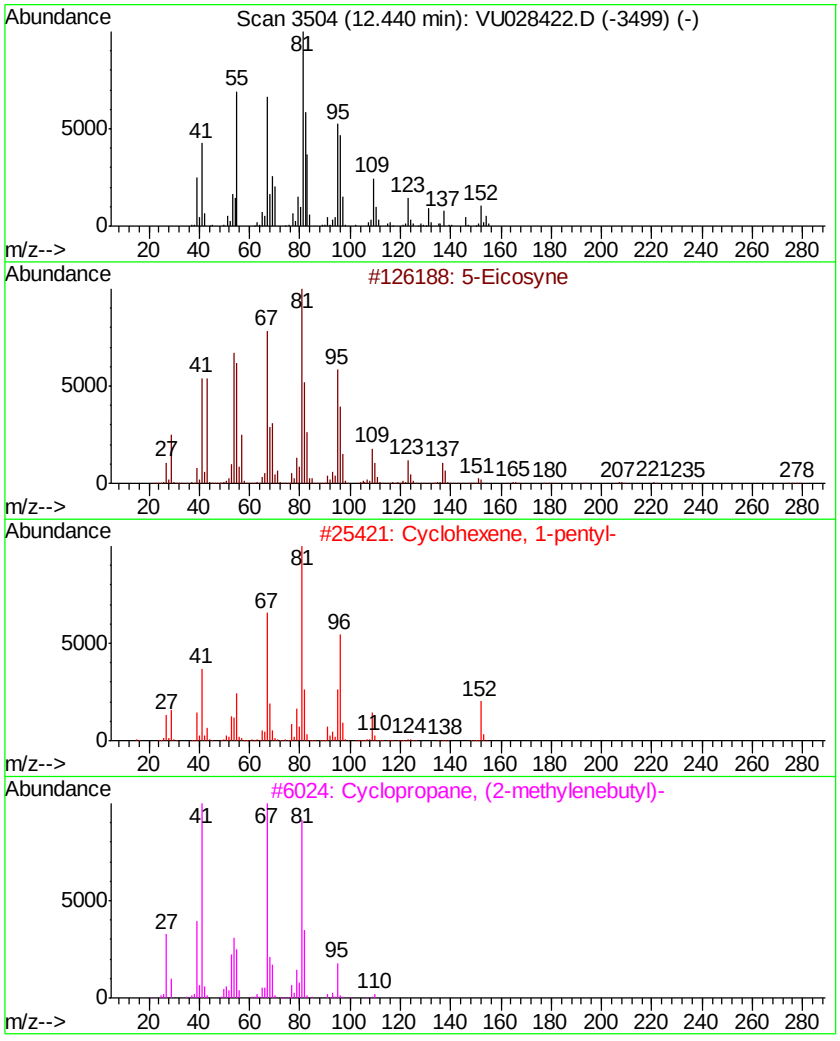
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

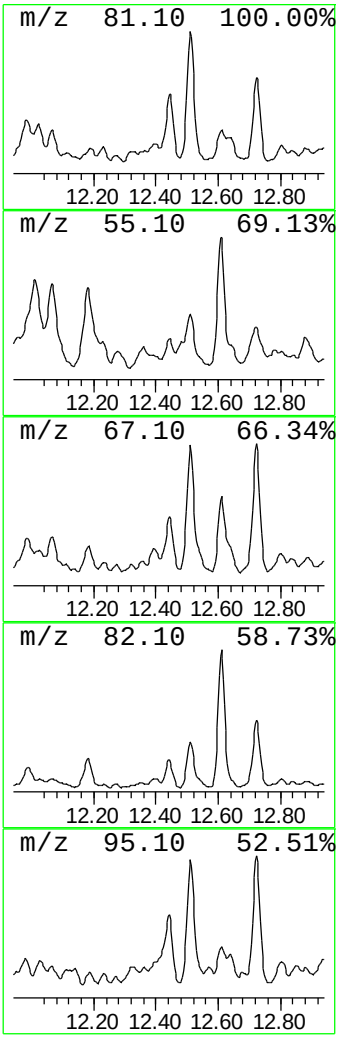
****

Peak Number 58 5-Eicosyne Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	11.91 ug/L	383087	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosyne	278	C20H38	074685-31-7	90
2	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	76
3	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	60
4	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	53
5	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

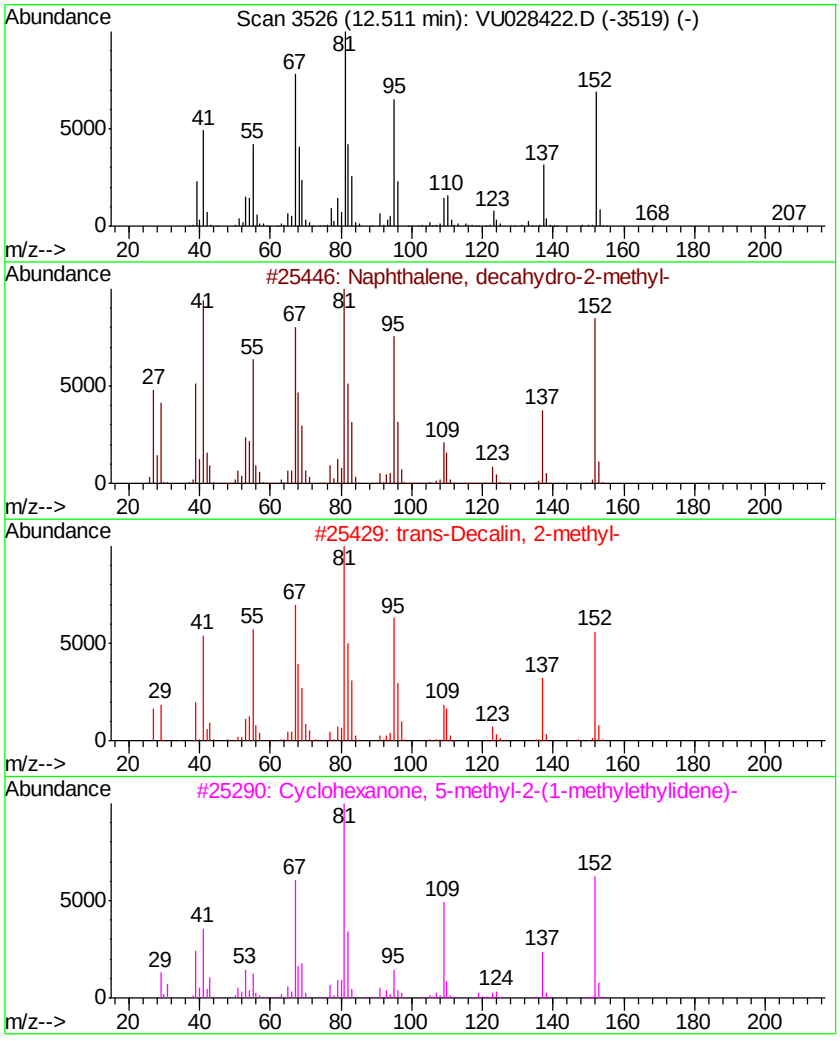
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

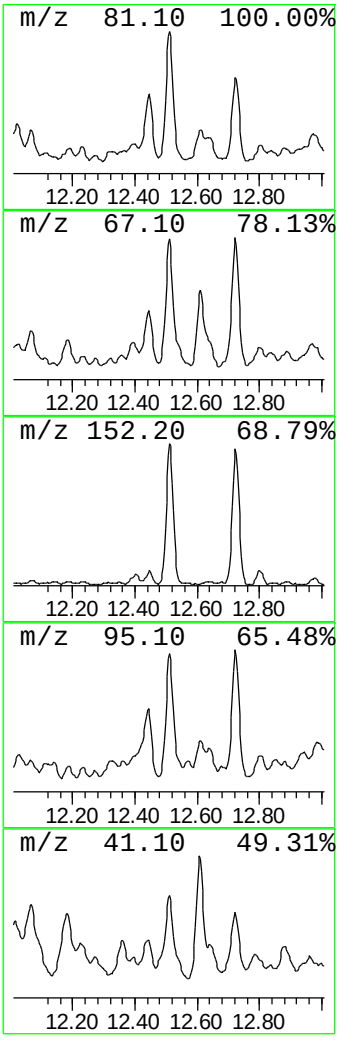
****

Peak Number 59 Naphthalene, decahydro-2-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	44.26 ug/L	1423470	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	76
4	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	70
5	Pulegone	152	C10H16O	000089-82-7	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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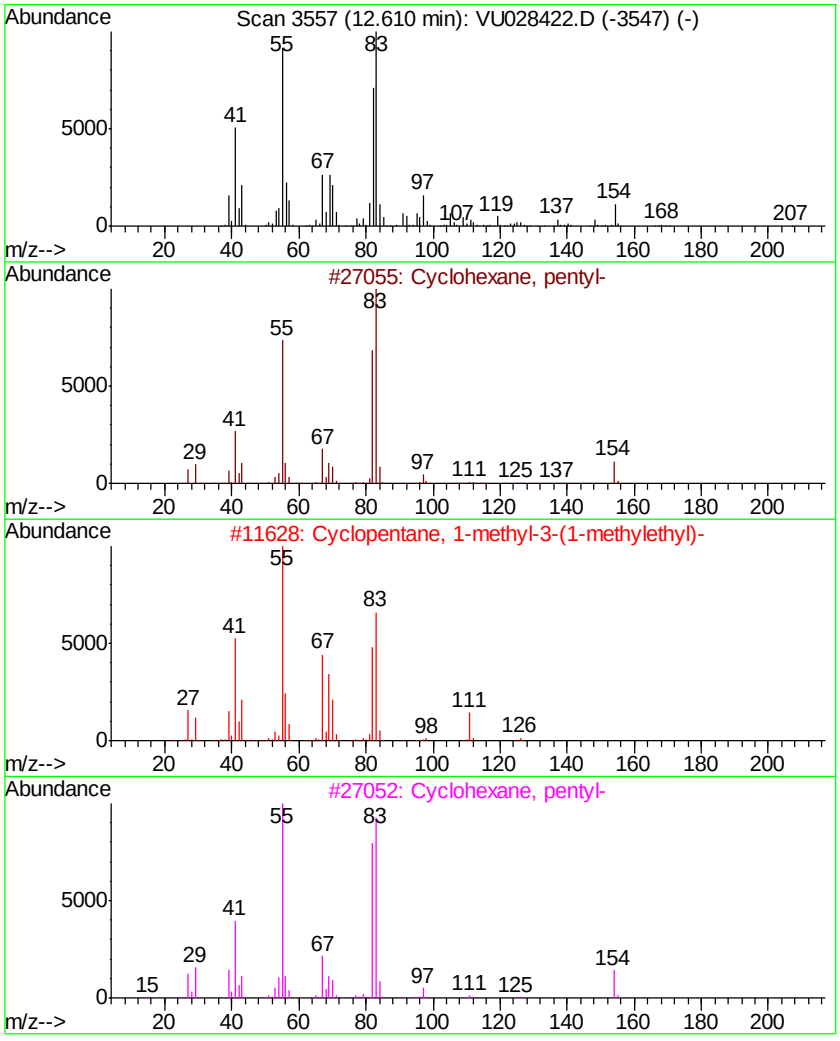
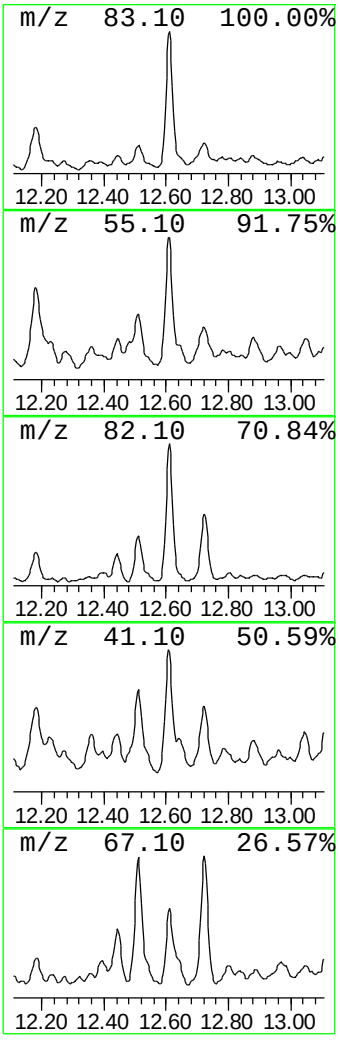
Peak Number 60 (DEL) Alkane: Cyclic12.61 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	45.59 ug/L	1466000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
2	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	72
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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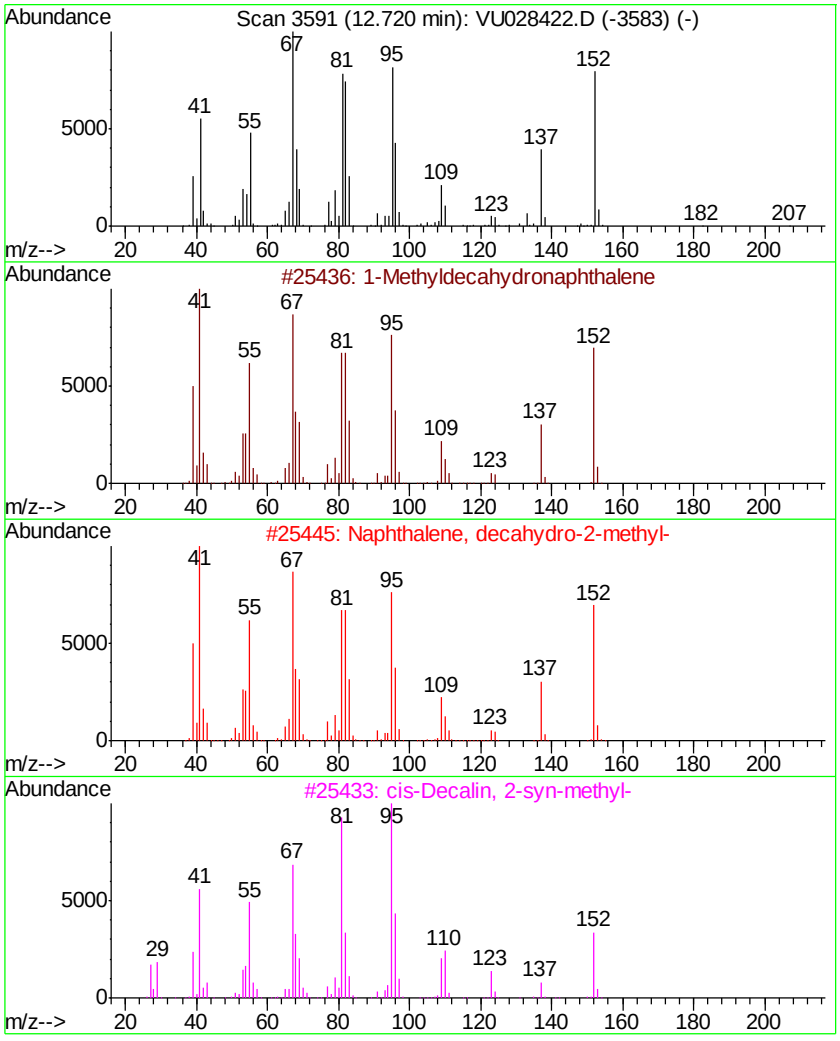
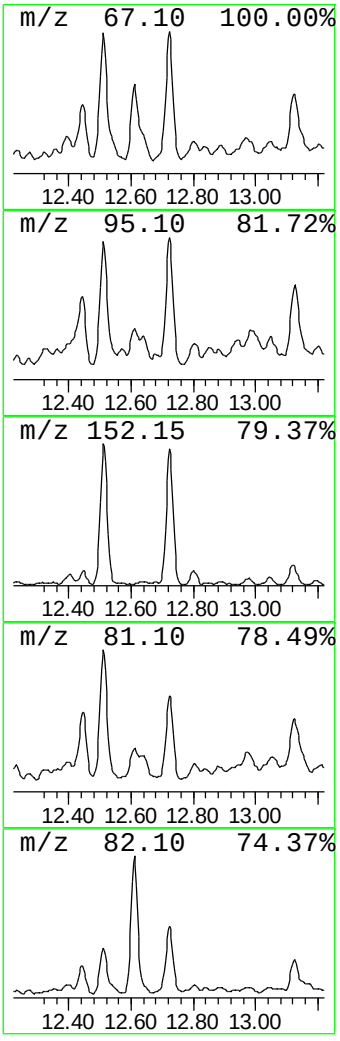
Peak Number 61 1-Methyldecahydronaphthalene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	27.62 ug/L	888343	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	90
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

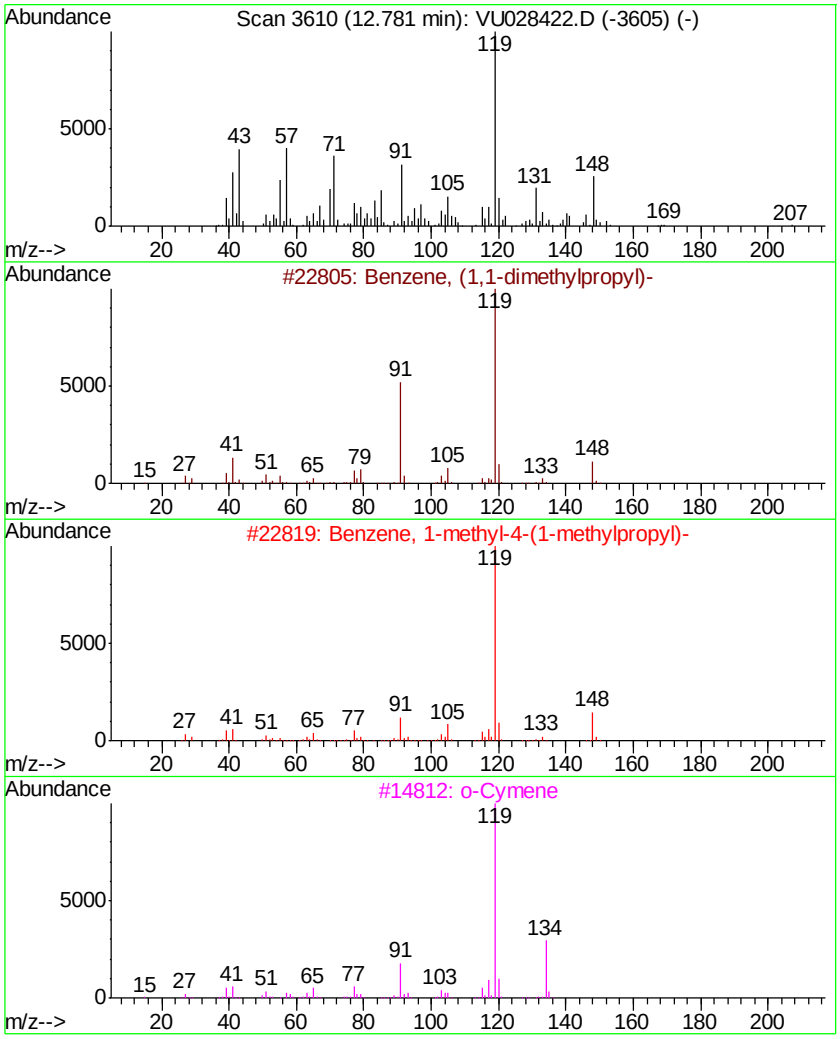
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

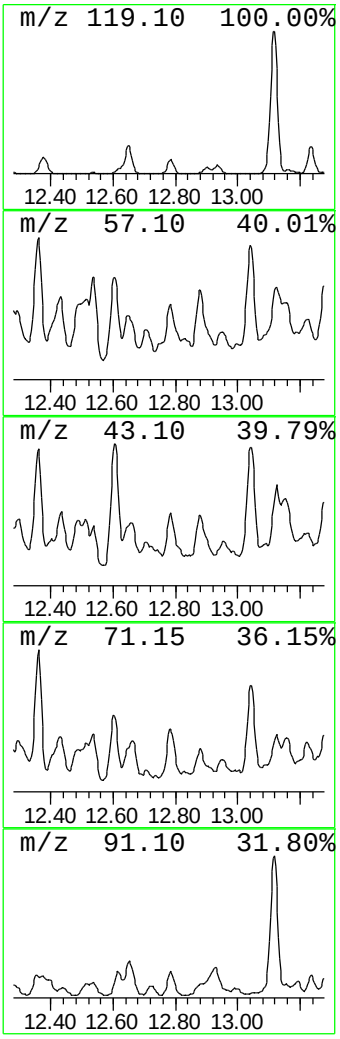
****

Peak Number 62 Benzene, (1,1-dimethylpropyl)- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.09 ug/L	324453	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	55
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
3	o-Cymene	134	C10H14	000527-84-4	46
4	o-Cymene	134	C10H14	000527-84-4	46
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

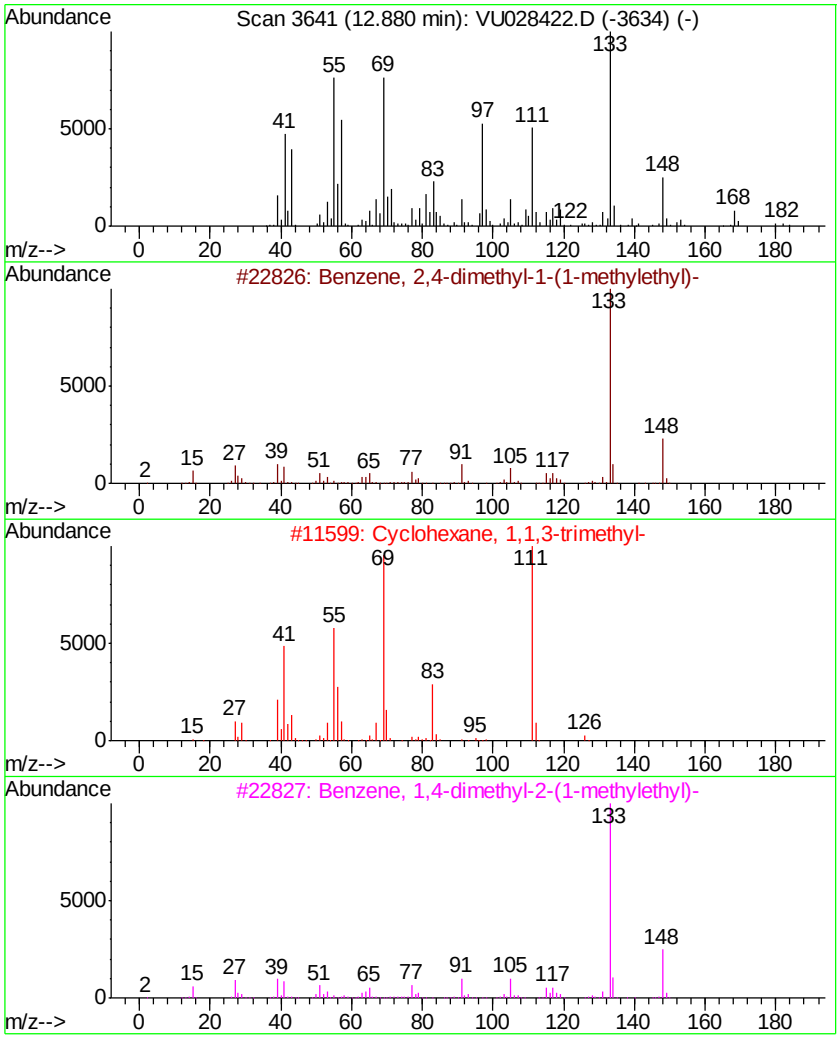
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

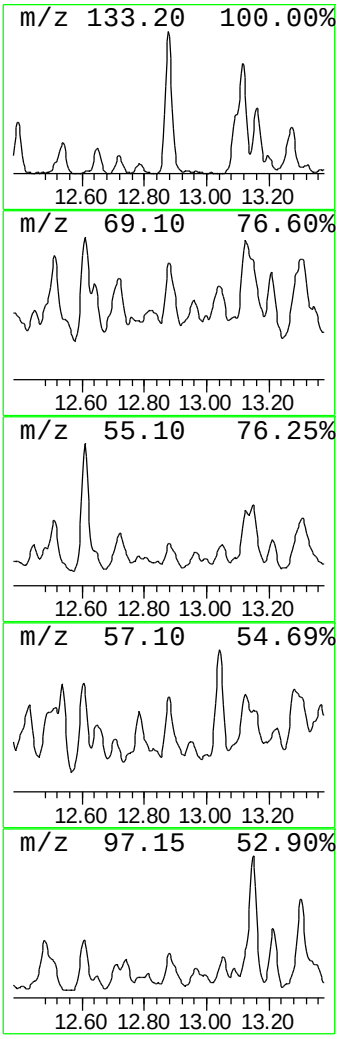
****

Peak Number 63 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	13.31 ug/L	427882	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	70
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	41
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	38
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	38
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

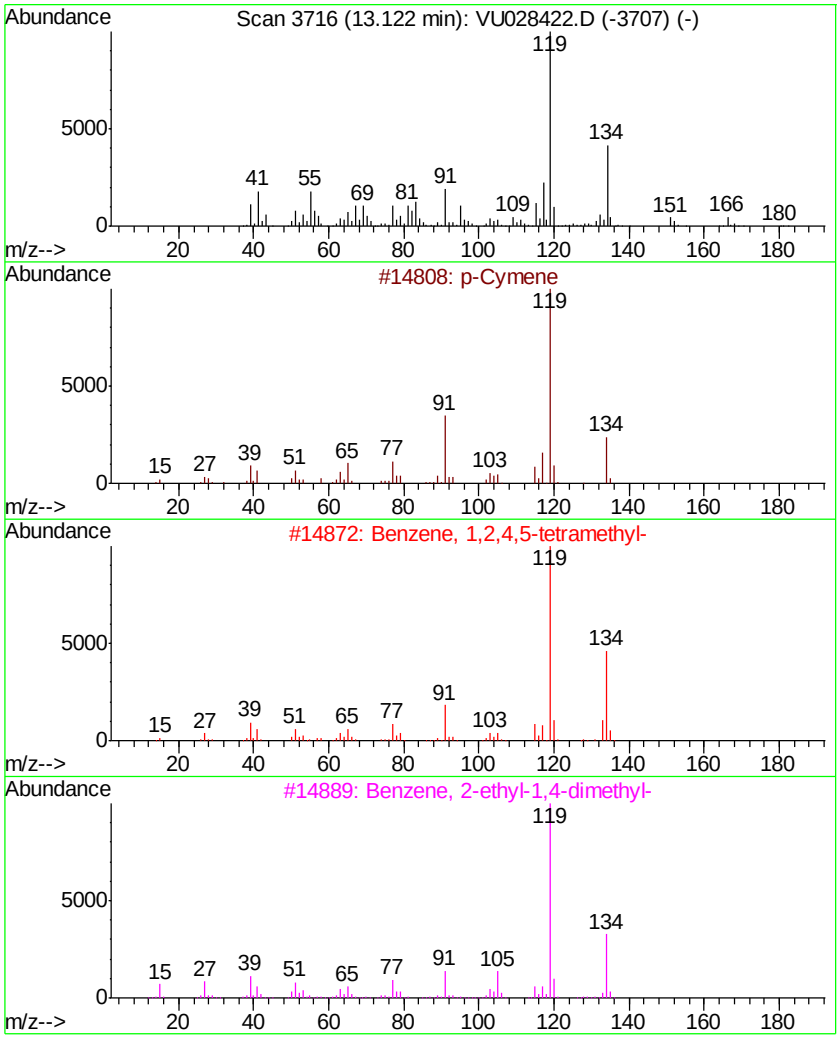
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

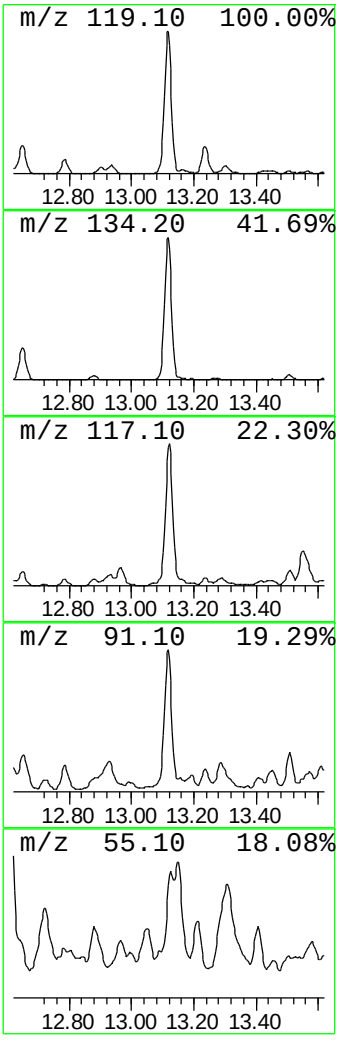
****

Peak Number 64 p-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	81.34 ug/L	2615620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	90
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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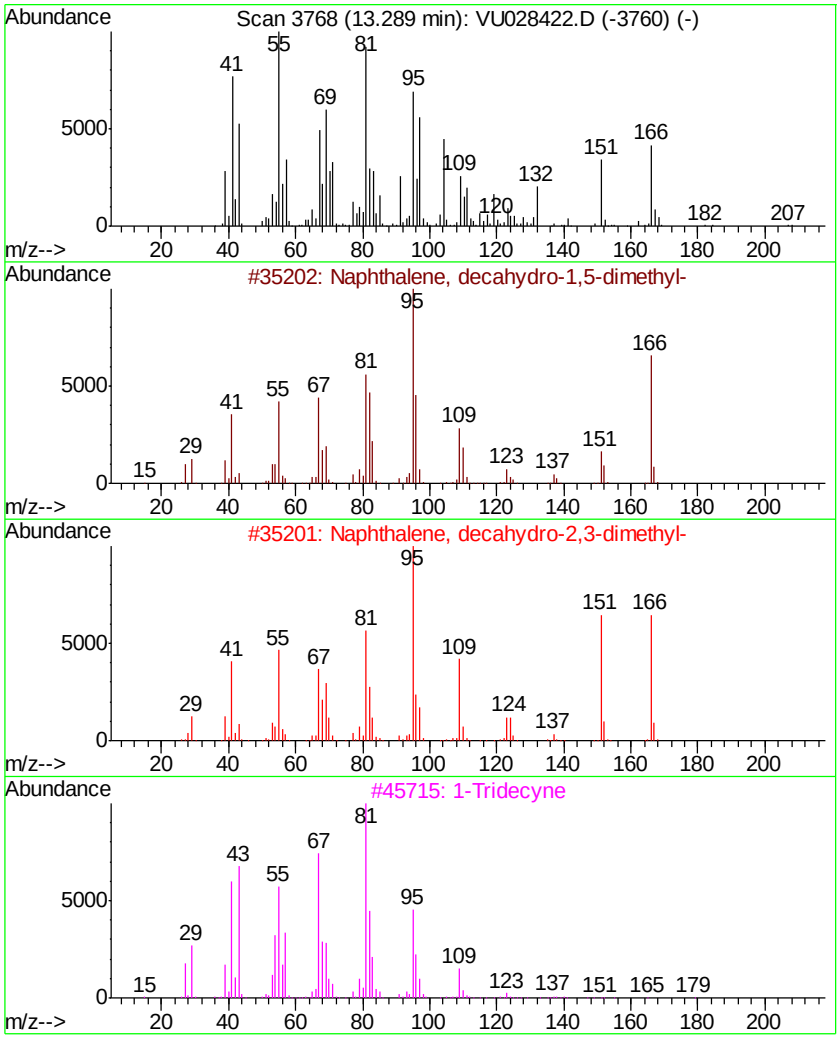
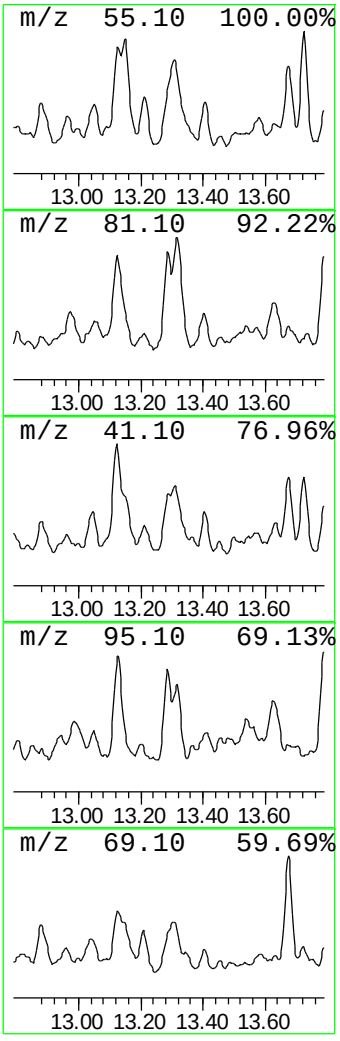
Peak Number 65 unknown-02 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	20.65 ug/L	664069	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	38
2	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	38
3	1-Tridecyne	180	C13H24	026186-02-7	35
4	2-Ethylcyclohexanol, heptafluoro...	324	C12H15F7O2	959079-92-6	27
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

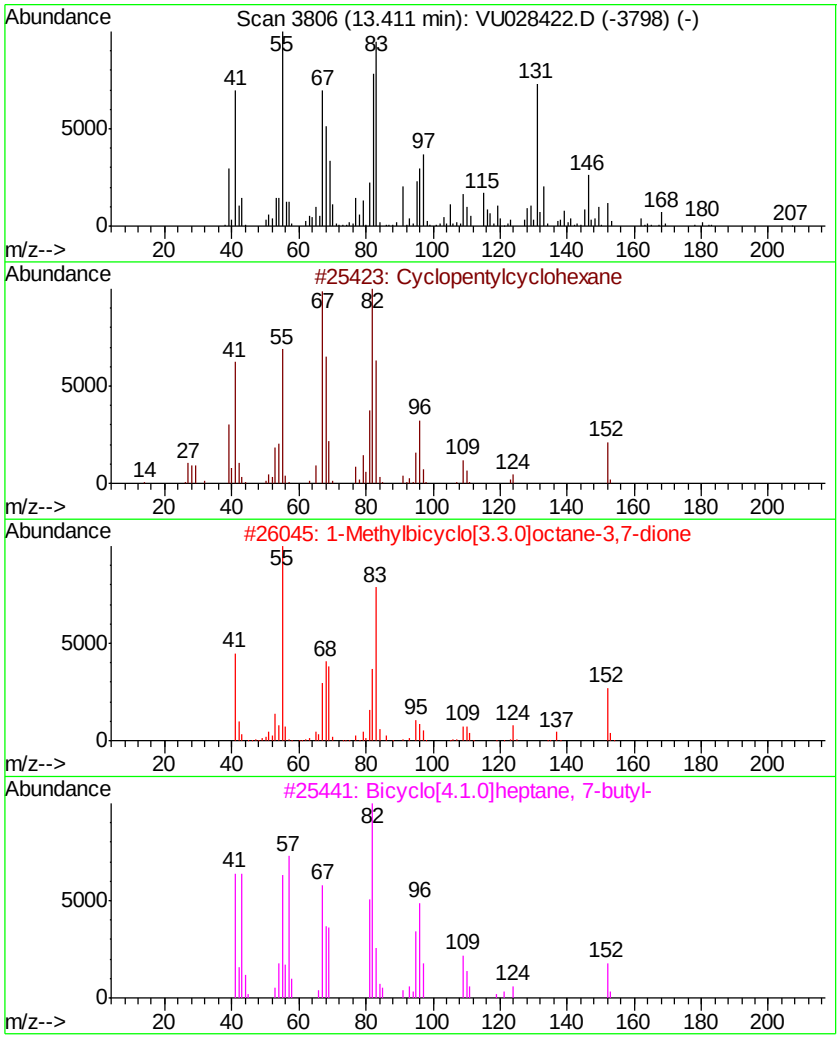
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

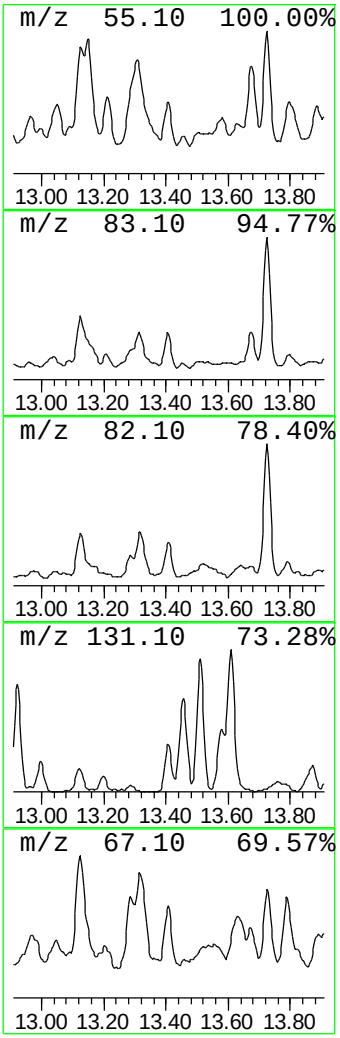
****

Peak Number 66 Cyclopentylcyclohexane Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	10.15 ug/L	326329	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentylcyclohexane	152	C11H20	001606-08-2	55
2	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	47
3	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	42
4	cis-11-Tetradecen-1-ol	212	C14H28O	034010-15-6	35
5	1,19-Eicosadiene	278	C20H38	014811-95-1	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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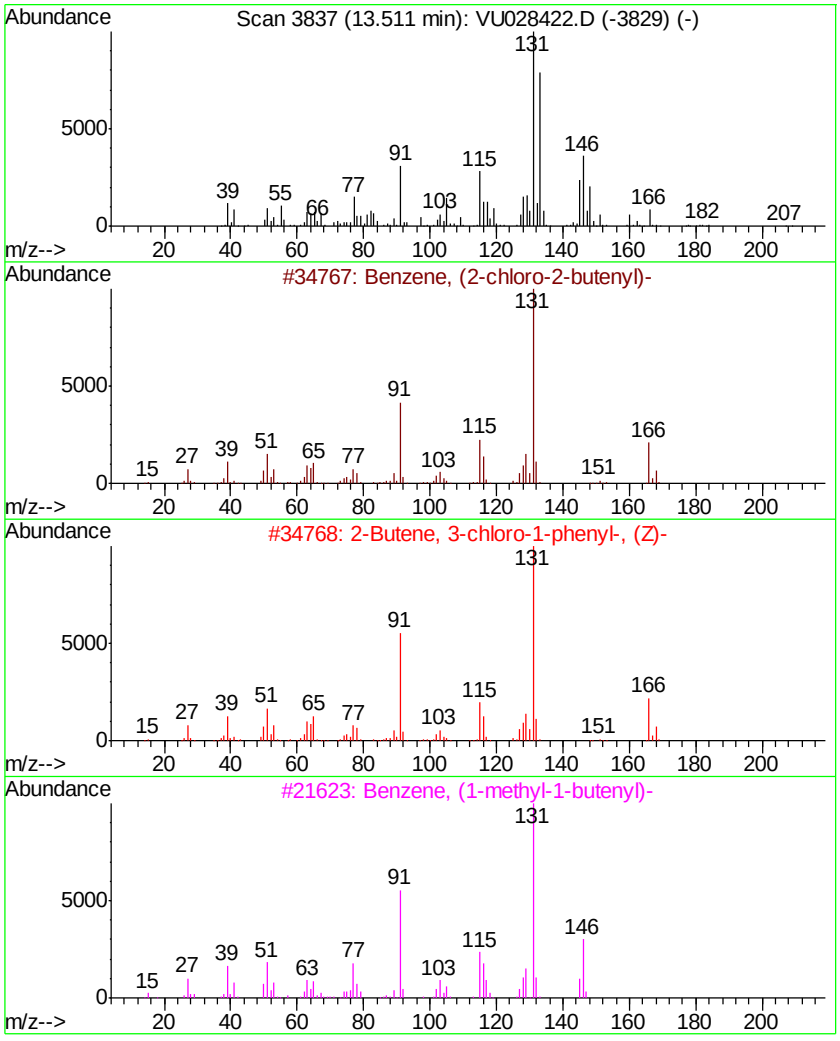
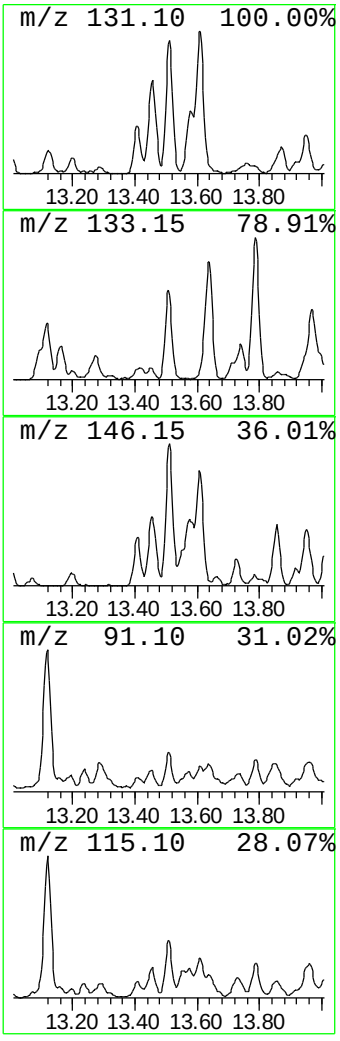
Peak Number 67 Benzene, (2-chloro-2-butenyl)- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	13.01 ug/L	418421	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	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	80
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

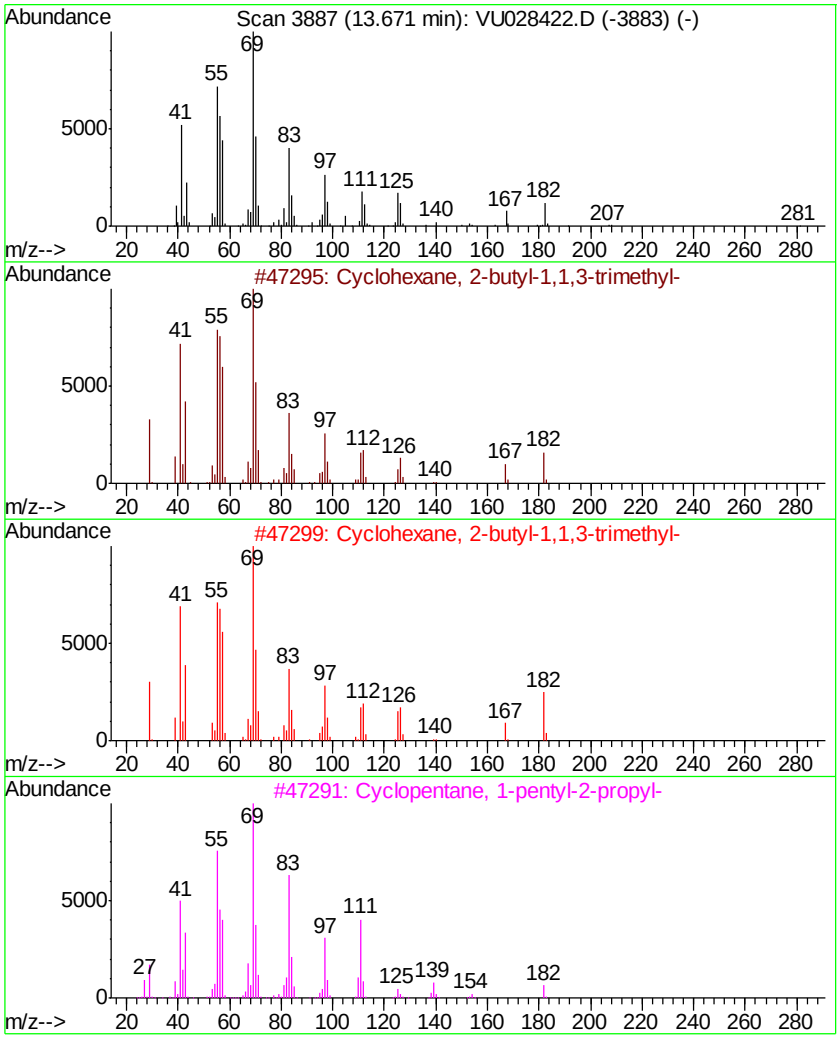
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

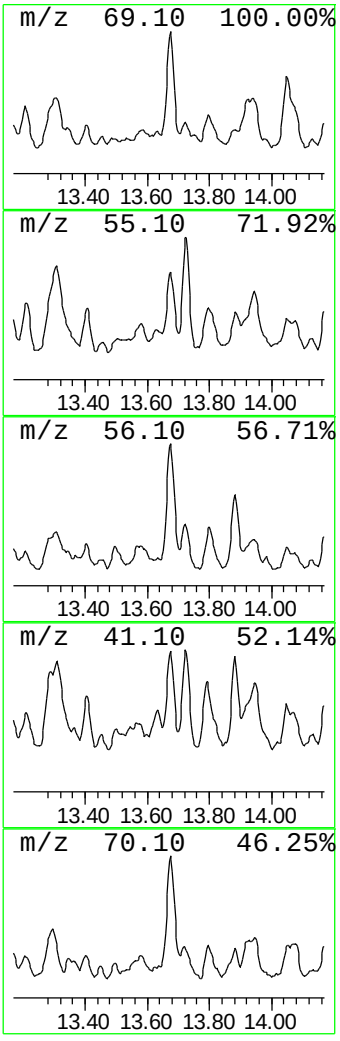
****

Peak Number 68 (DEL) Alkane: Cyclic13.67 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	14.93 ug/L	480110	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	86
3	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	83
4	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	55
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

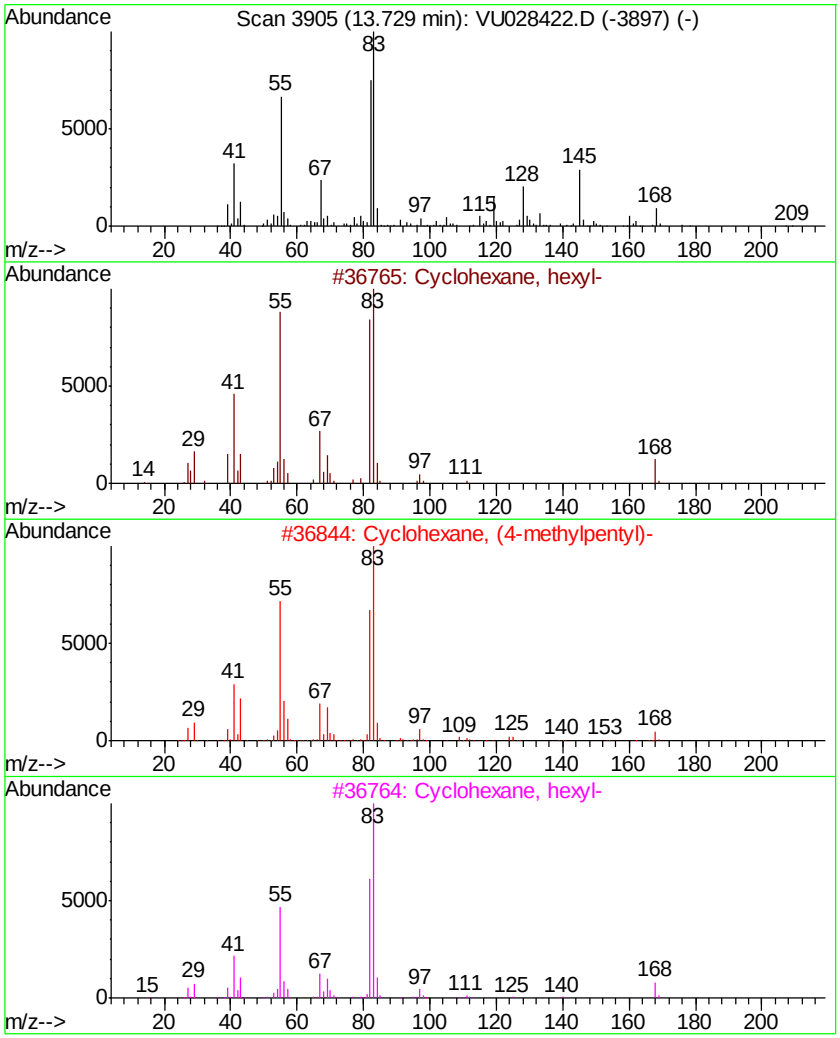
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

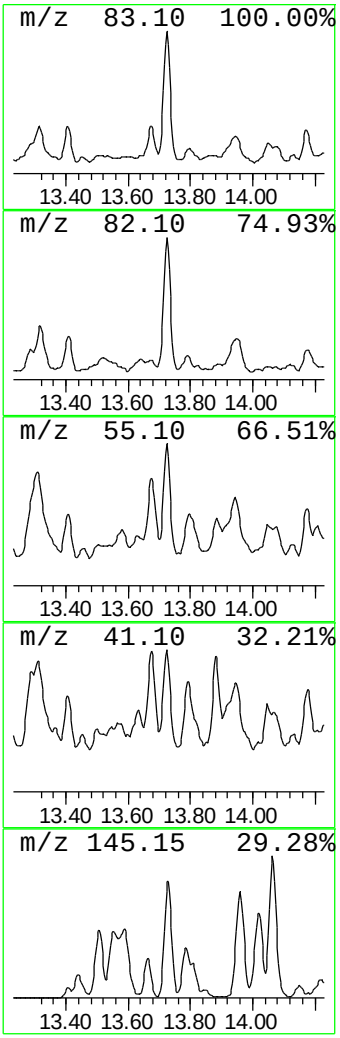
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	25.92 ug/L	833700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	72
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	68
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

Quant 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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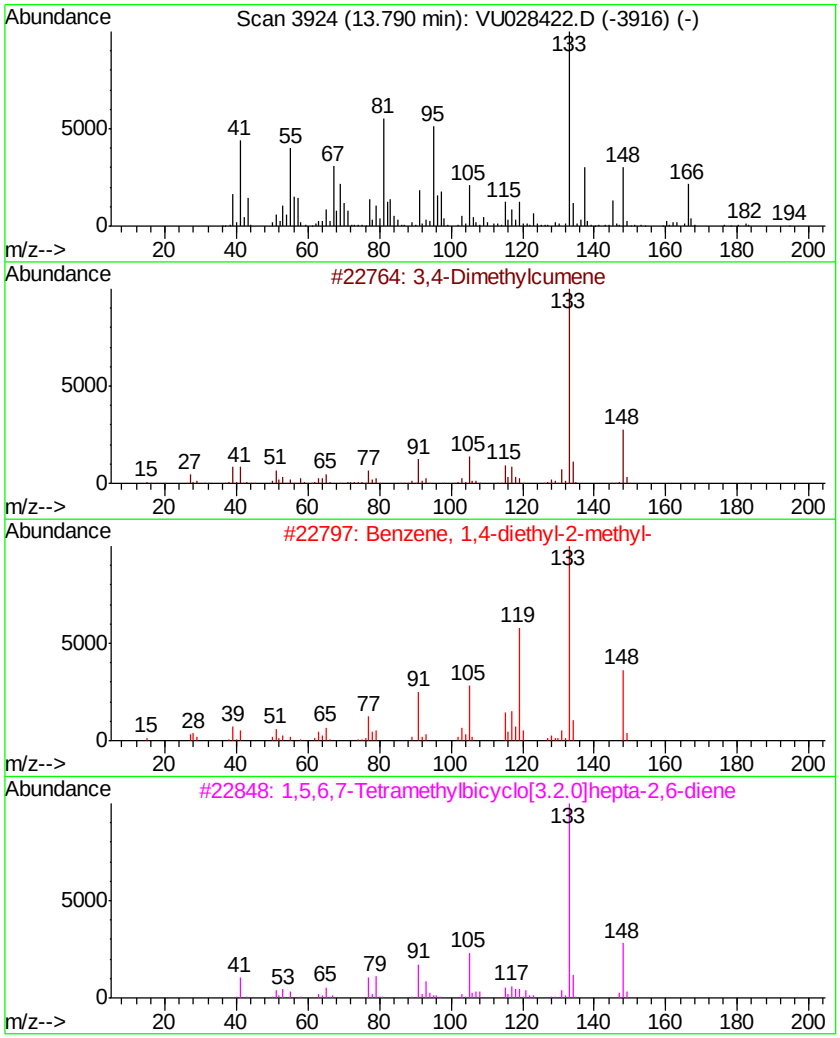
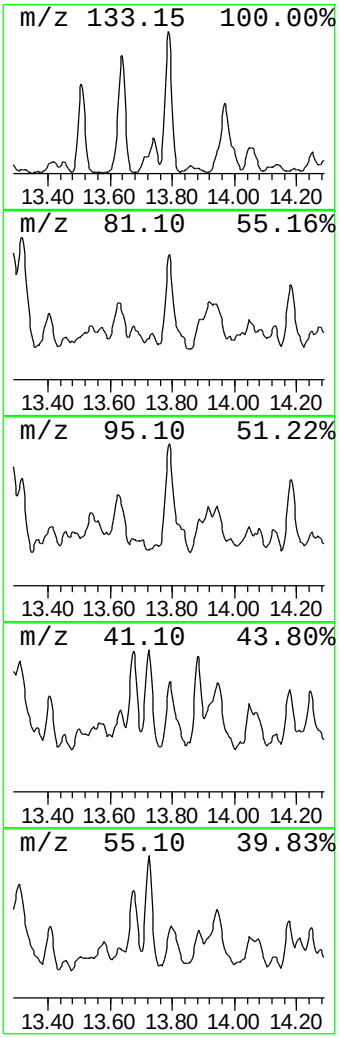
Peak Number 70 3,4-Dimethylcumene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	25.35 ug/L	815349	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	55
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	55
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	55
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

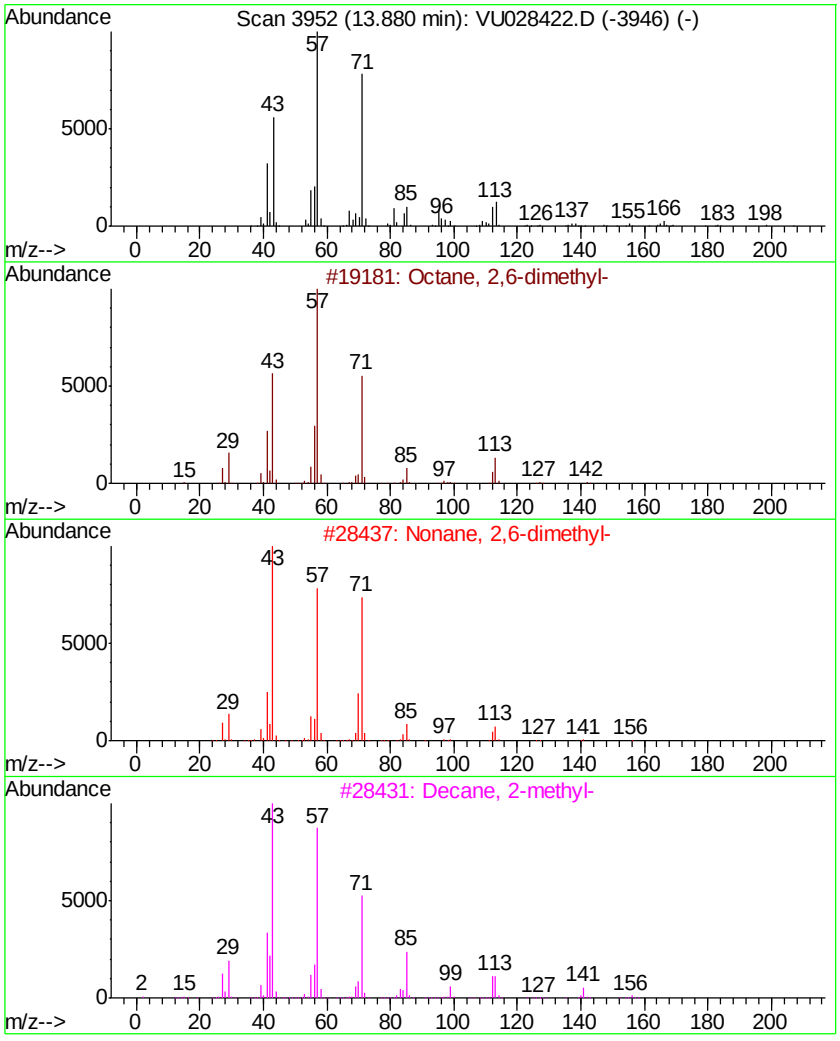
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

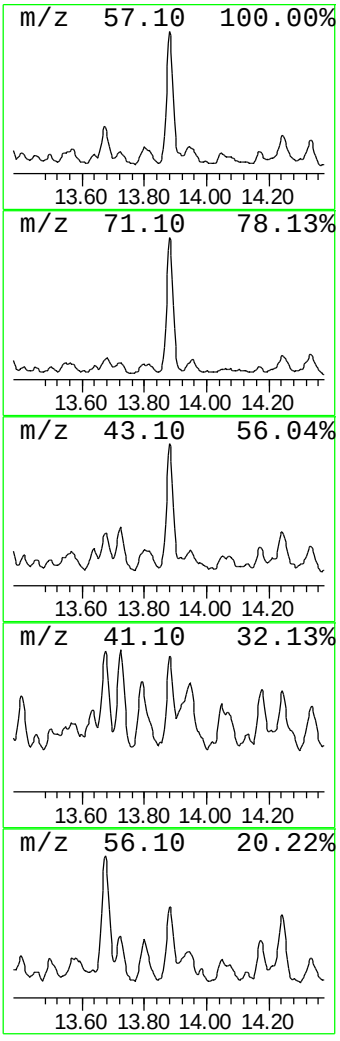
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	13.96 ug/L	449038	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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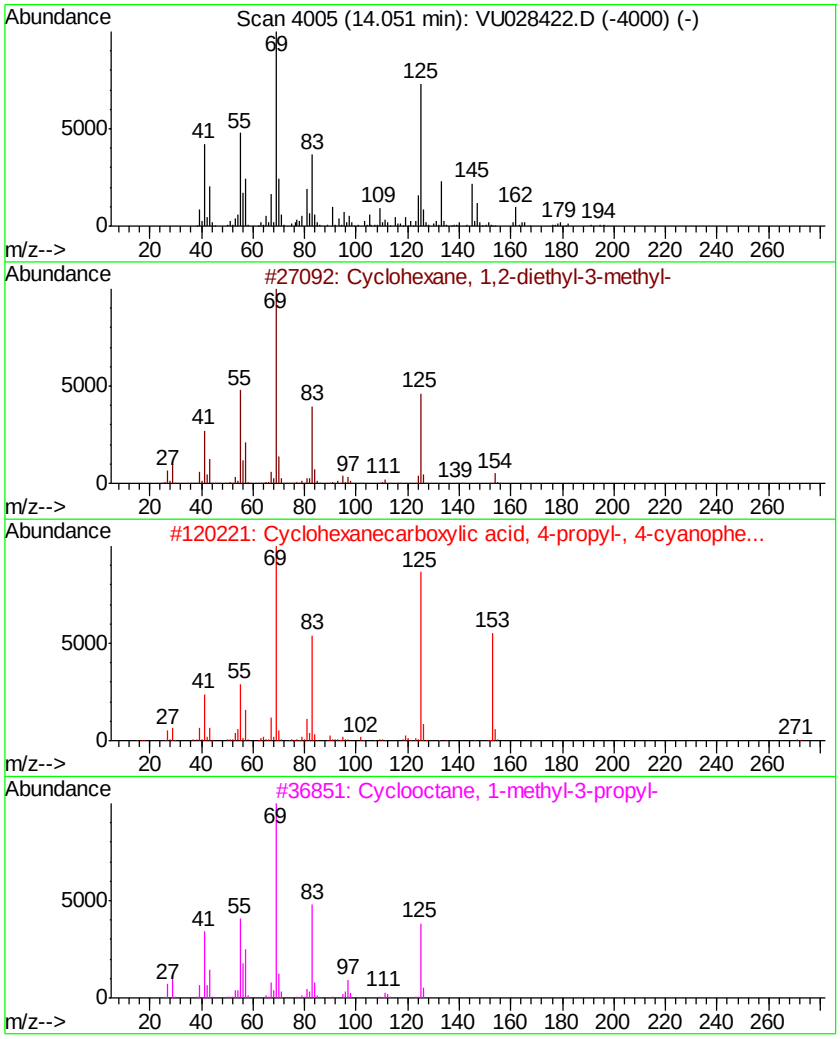
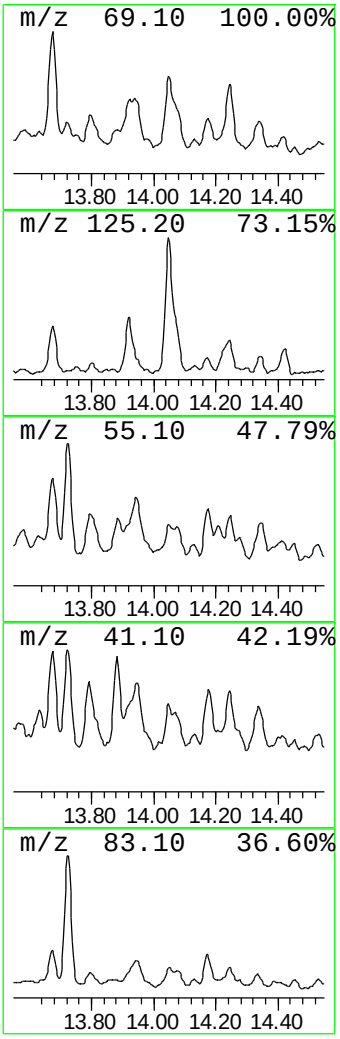
Peak Number 72 (DEL) Alkane: Cyclic14.05 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	21.09 ug/L	678316	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	47
2	Cyclohexanecarboxylic acid, 4-pr...	271	C17H21NO2	062439-33-2	47
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
5	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

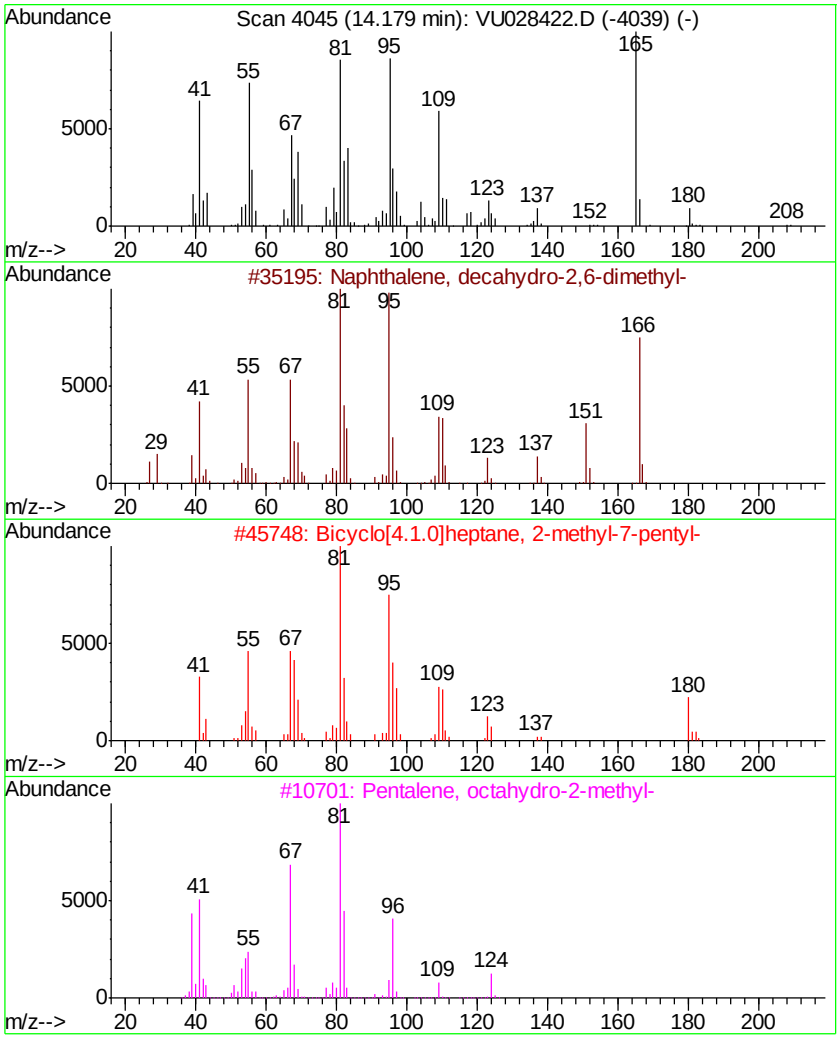
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

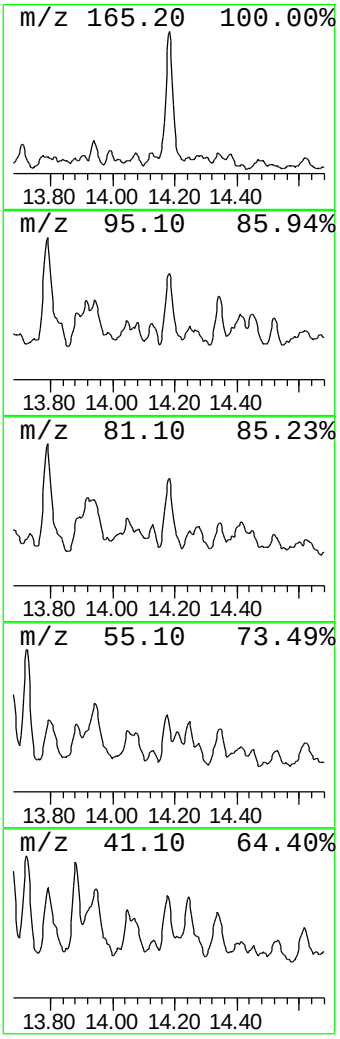
****

Peak Number 73 Naphthalene, decahydro-2,6-... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	8.64 ug/L	278008	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	53
2	Bicyclo[4.1.0]heptane, 2-methyl-...	180	C13H24	055937-92-3	46
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	30
4	Hexen-1-ylcyclohexane	166	C12H22	067975-92-2	25
5	2-Hexanone, 3-cyclohexylidene-4-...	208	C14H24O	1000150-19-2	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

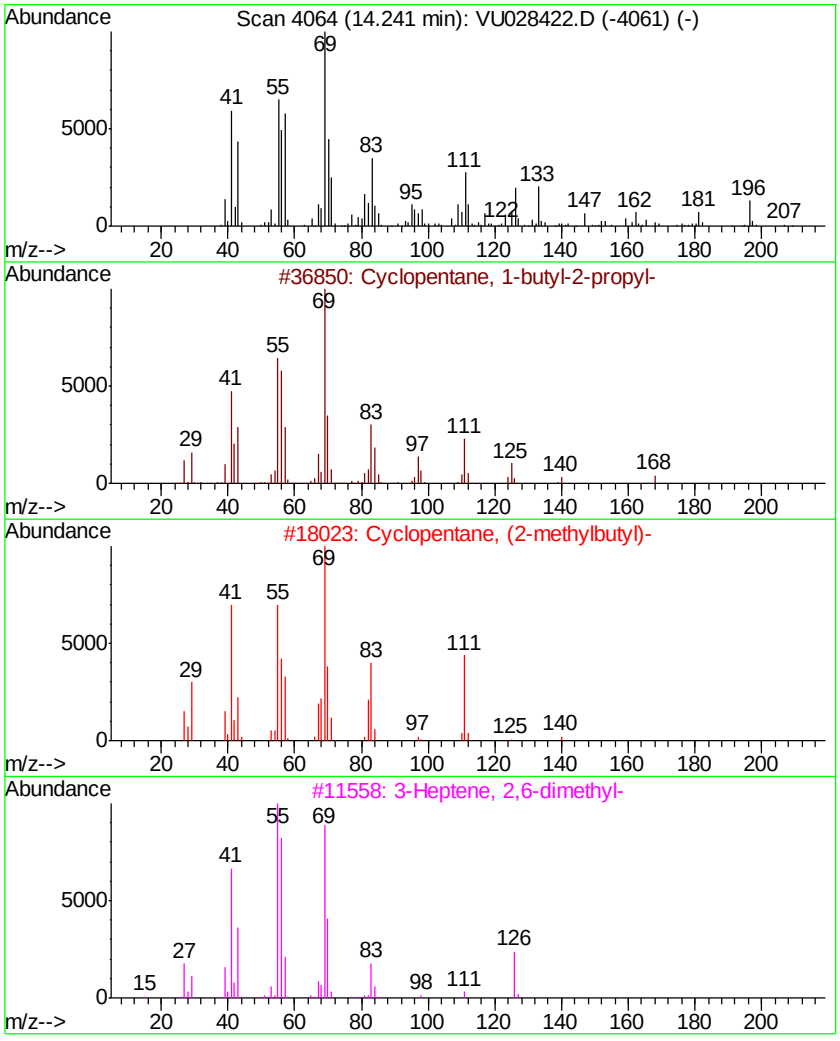
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

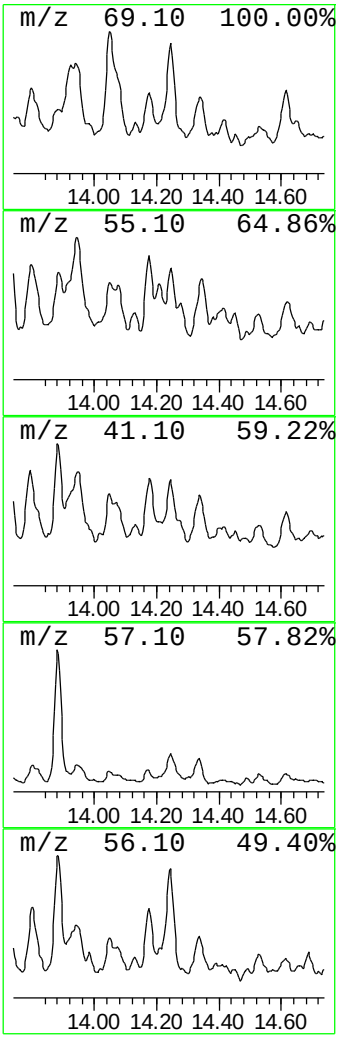
****

Peak Number 74 (DEL) Alkane: Cyclic14.24 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	5.06 ug/L	162680	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	64
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	62
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	58
4	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	53
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

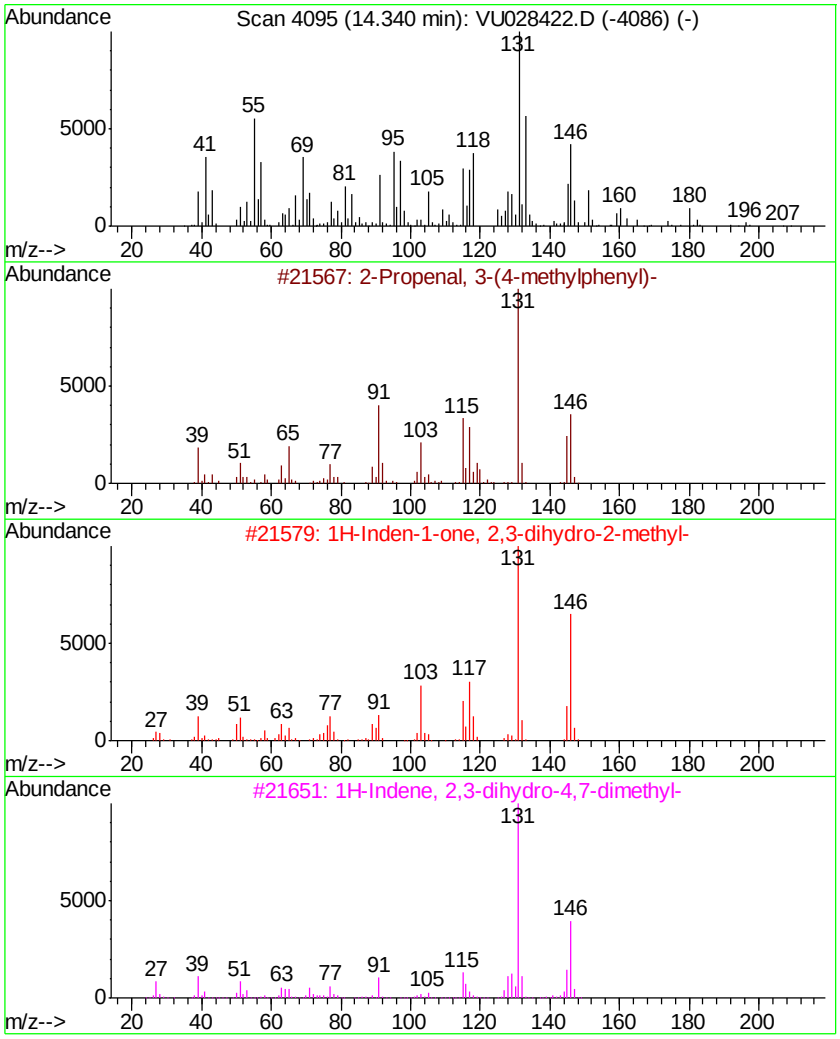
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

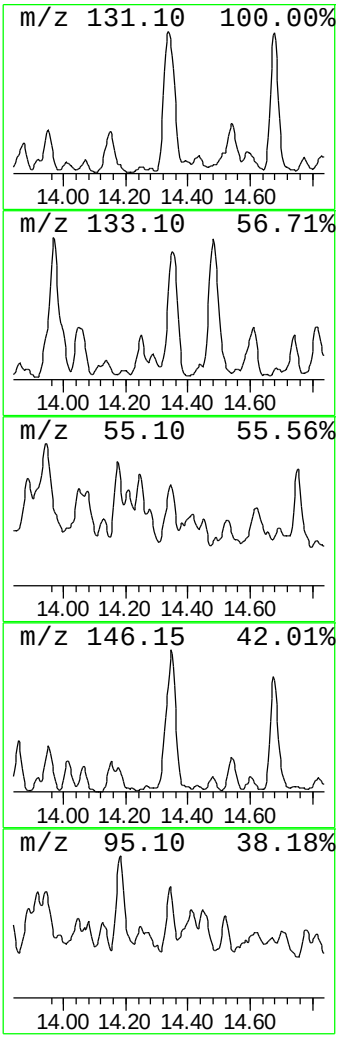
****

Peak Number 75 2-Propenal, 3-(4-methylphen... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	24.54 ug/L	789282	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	49
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	43
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	42
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	42
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

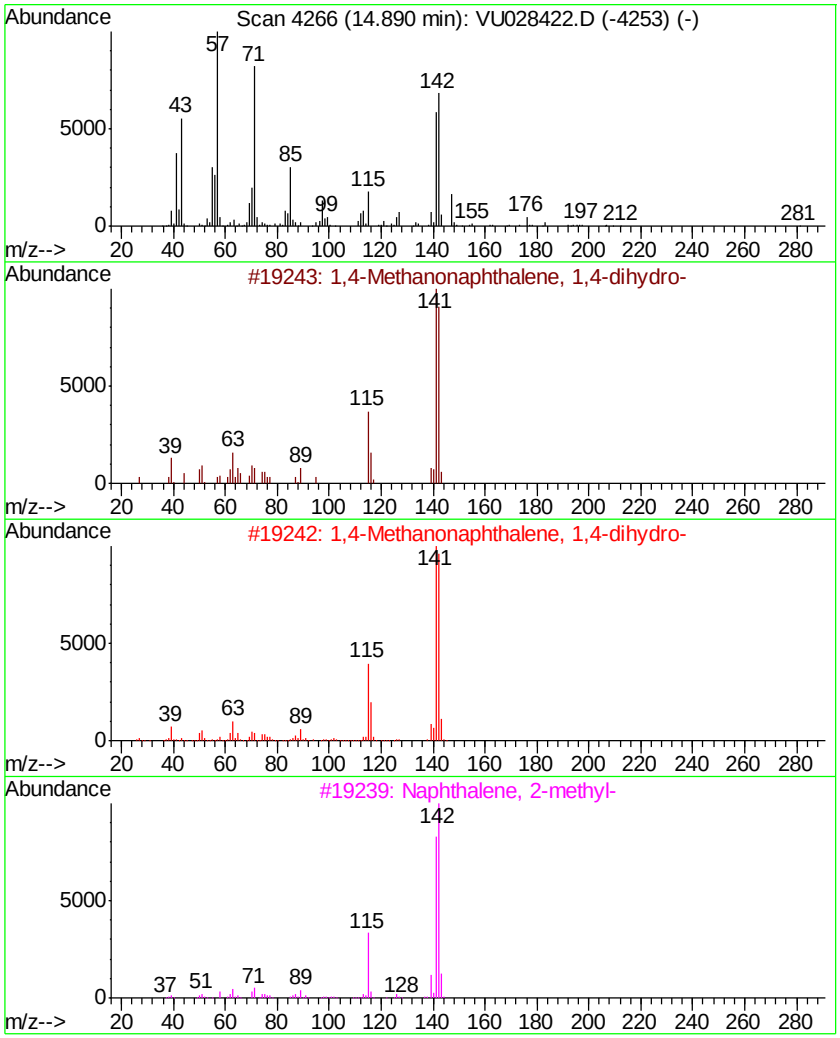
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

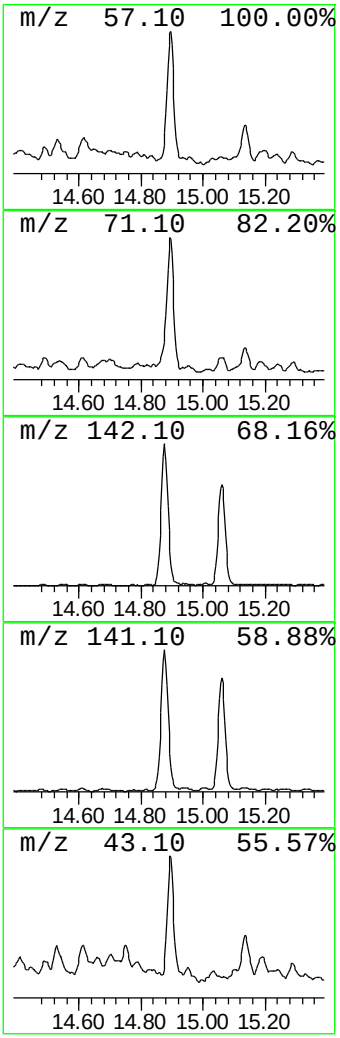
****

Peak Number 76 1,4-Methanonaphthalene, 1,4... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	22.06 ug/L	709265	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	60
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	60
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	53
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	53
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

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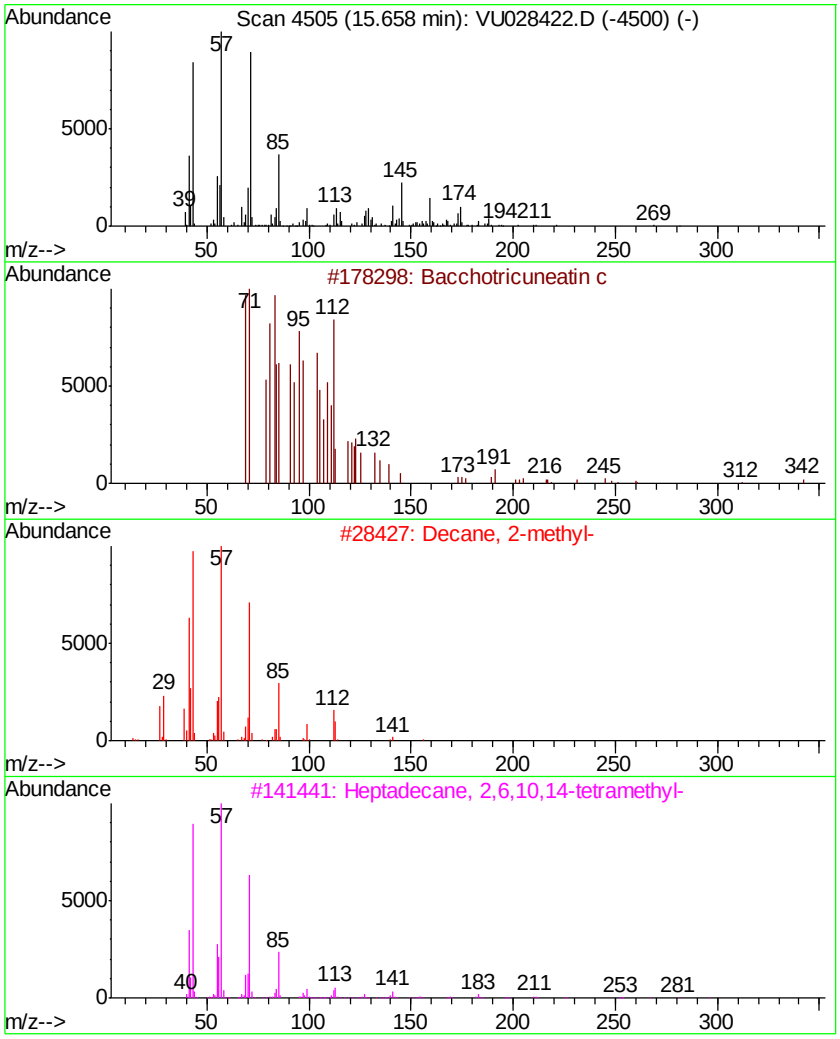
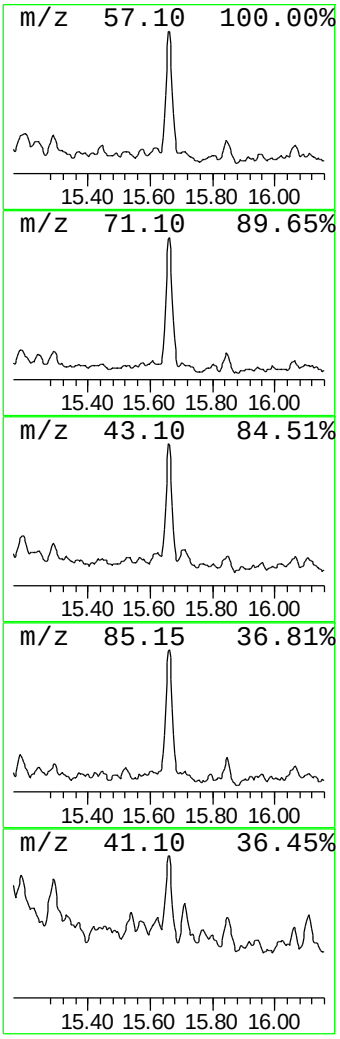
Peak Number 77 Bacchotricuneatin c Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	9.07 ug/L	291671	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
2	Decane, 2-methyl-	156	C11H24	006975-98-0	60
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	50
4	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	43
5	3-Hexanone, 4-ethyl-	128	C8H16O	006137-12-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

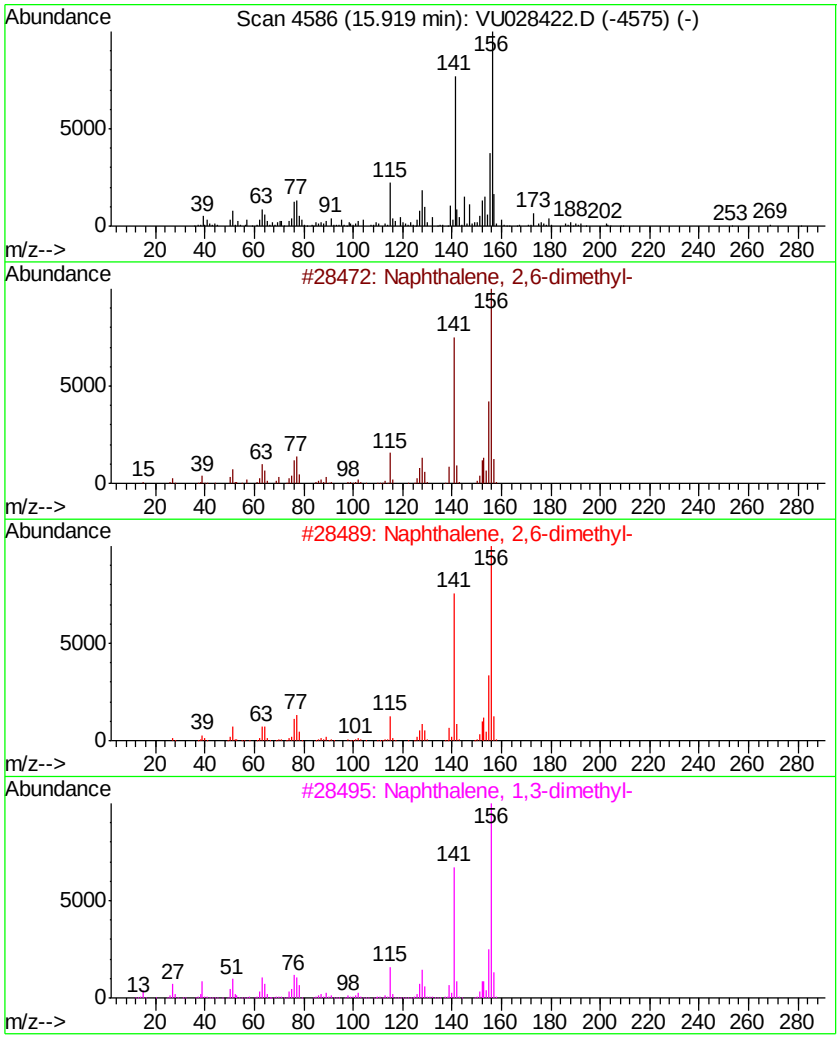
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

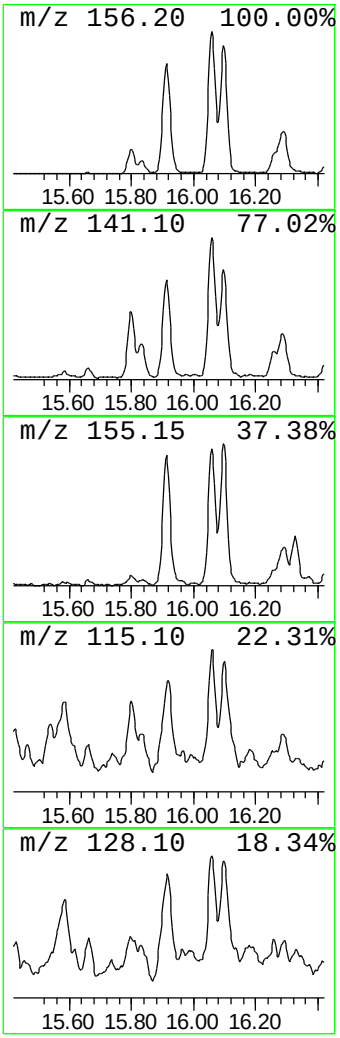
****

Peak Number 78 Naphthalene, 2,6-dimethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	12.00 ug/L	386058	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

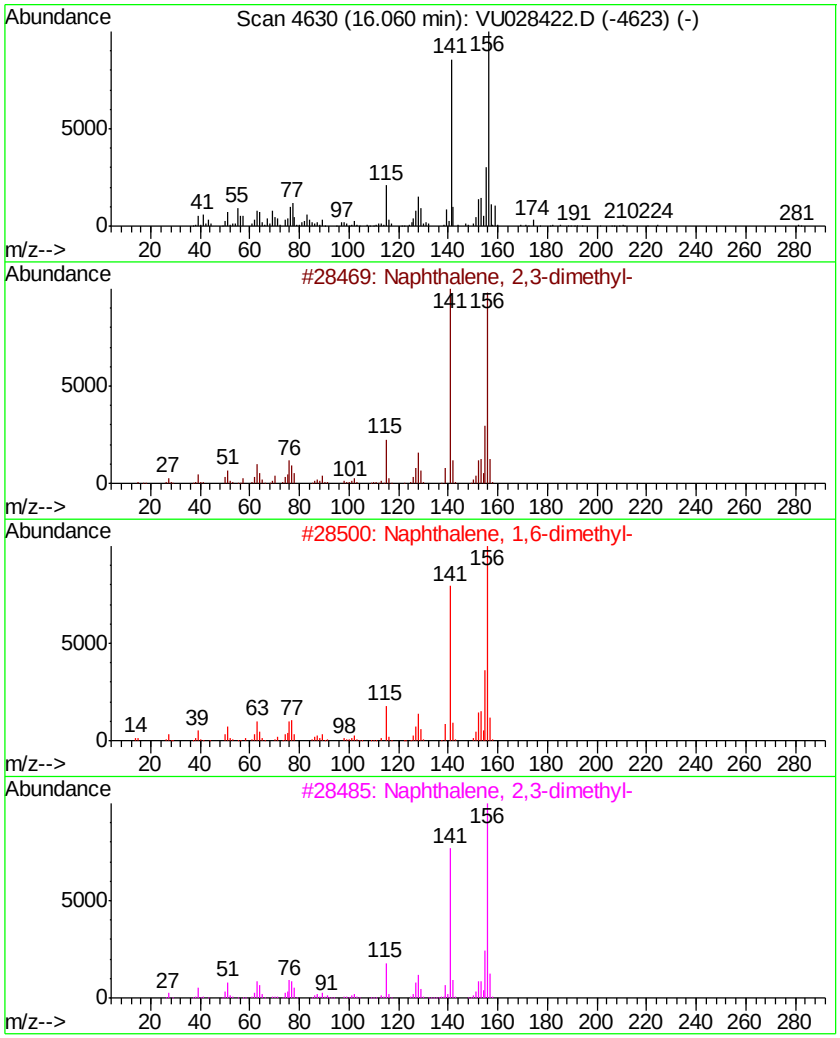
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

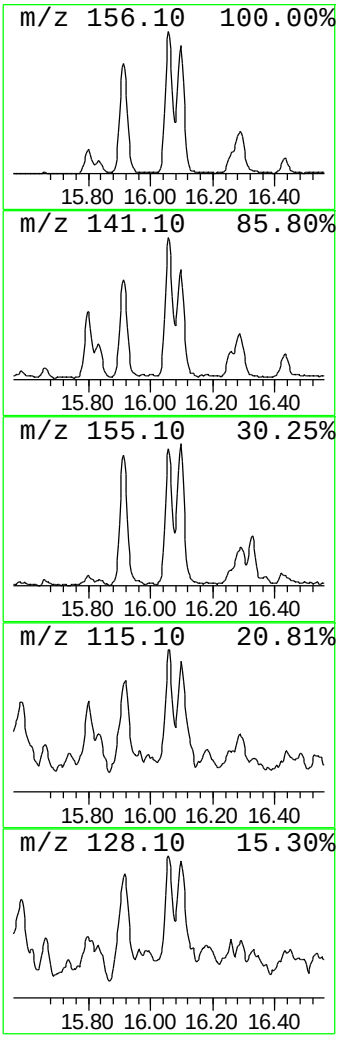
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 79 Naphthalene, 2,3-dimethyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	10.32 ug/L	331901	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

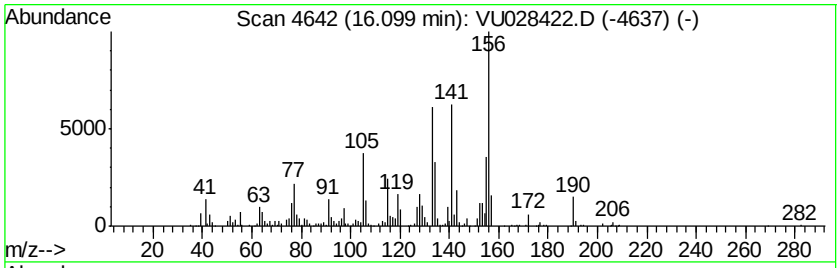
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

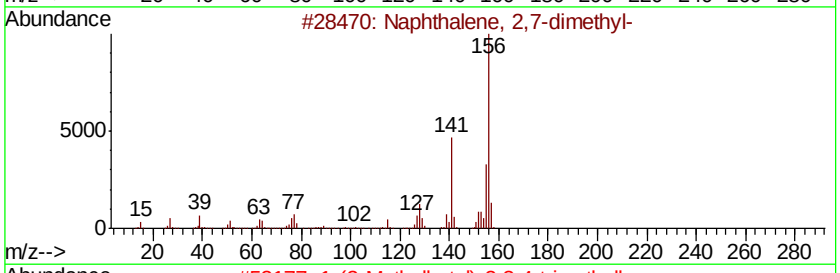
****

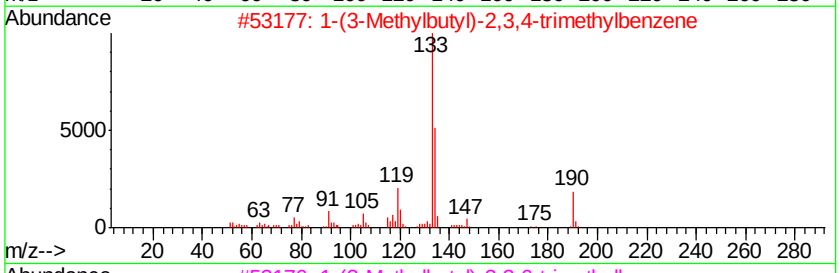
Peak Number 80 Naphthalene, 2,7-dimethyl- Concentration Rank 44

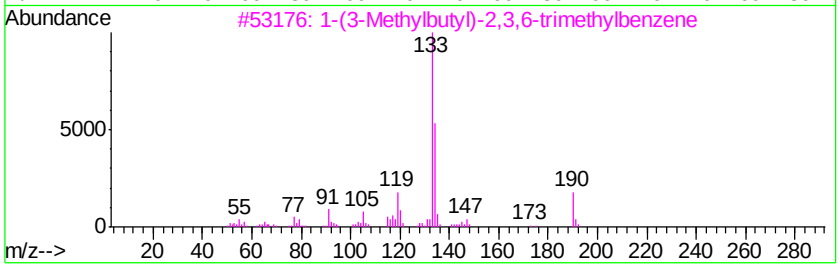
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	16.43 ug/L	528206	1,4-Dichlorobenzene-d4	11.48

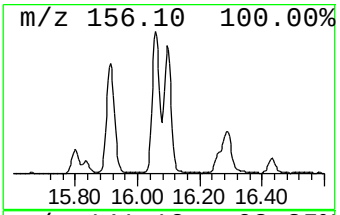
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2	1-(3-Methylbutyl)-2,3,4-trimethy...	190	C14H22	107997-59-1	89
3	1-(3-Methylbutyl)-2,3,6-trimethy...	190	C14H22	084651-14-9	86
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	80
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	80

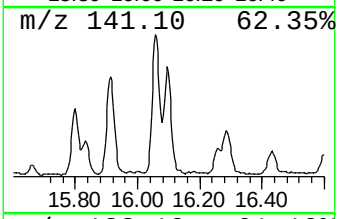


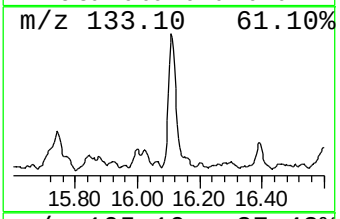


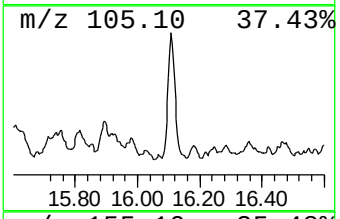


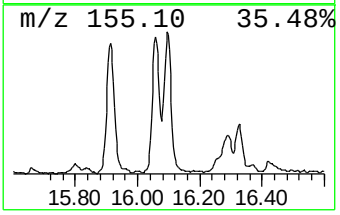












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028422.D
Acq On : 30 Nov 2018 14:45
Operator : MD/SY
Sample : J6077-19ME
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y04ME

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.96	9.6	ug/L	253281	1	5.88	1322230	50.0
(DEL) Alkane: Str...	5.06	10.1	ug/L	266095	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	5.24	11.4	ug/L	301310	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	5.47	36.4	ug/L	962819	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	5.54	30.2	ug/L	798233	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	5.61	55.0	ug/L	1455370	1	5.88	1322230	50.0
(DEL) Alkane: Str...	6.53	8.1	ug/L	213282	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	6.73	37.2	ug/L	982838	1	5.88	1322230	50.0
(DEL) Alkane: Str...	6.90	47.6	ug/L	1259590	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	7.10	6.5	ug/L	171189	1	5.88	1322230	50.0
(DEL) Alkane: Str...	7.14	6.8	ug/L	178649	1	5.88	1322230	50.0
(DEL) Alkane: Str...	7.37	7.5	ug/L	197097	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	7.43	12.2	ug/L	322203	1	5.88	1322230	50.0
(DEL) Alkane: Cyc...	7.70	18.9	ug/L	579725	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	7.77	24.7	ug/L	756798	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	7.91	59.8	ug/L	1832490	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	8.04	16.7	ug/L	512265	2	9.09	1531080	50.0
(DEL) Alkane: Str...	8.22	11.0	ug/L	338046	2	9.09	1531080	50.0
(DEL) Alkane: Str...	8.45	14.0	ug/L	427949	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	8.54	45.2	ug/L	1383430	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	8.60	75.3	ug/L	2306150	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	8.76	24.9	ug/L	763393	2	9.09	1531080	50.0
(DEL) Alkane: Str...	8.81	15.6	ug/L	477001	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	8.85	46.8	ug/L	1432610	2	9.09	1531080	50.0
(DEL) Alkane: Str...	9.02	11.1	ug/L	339625	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.16	5.7	ug/L	175655	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.24	18.3	ug/L	560680	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.35	34.6	ug/L	1059440	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.40	38.9	ug/L	1190820	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.44	29.6	ug/L	907697	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.56	22.0	ug/L	674868	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	9.72	51.5	ug/L	1578130	2	9.09	1531080	50.0
unknown-01	9.82	12.4	ug/L	379823	2	9.09	1531080	50.0
(DEL) Alkane: Str...	9.95	118.5	ug/L	3627210	2	9.09	1531080	50.0
(DEL) Alkane: Cyc...	10.04	70.1	ug/L	2147270	2	9.09	1531080	50.0
(DEL) Alkane: Str...	10.09	68.6	ug/L	2100070	2	9.09	1531080	50.0
Disparlure	10.22	13.0	ug/L	398172	2	9.09	1531080	50.0
(DEL) Alkane: Str...	10.25	14.8	ug/L	453881	2	9.09	1531080	50.0
4,5-Nonadiene	10.38	12.2	ug/L	392320	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.49	63.0	ug/L	2025520	3	11.48	1607930	50.0
Benzene, propyl-	10.59	7.5	ug/L	241277	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.63	23.9	ug/L	767588	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.70	21.6	ug/L	693910	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.75	44.5	ug/L	1430980	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.81	23.8	ug/L	763715	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.86	6.1	ug/L	196495	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	10.97	8.5	ug/L	274299	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	11.07	8.3	ug/L	267161	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	11.14	25.0	ug/L	803416	3	11.48	1607930	50.0

(DEL) Alkane: Str...	11.27	13.7	ug/L	439553	3	11.48	1607930	50.0
(DEL) Alkane: Str...	11.33	28.7	ug/L	921903	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	11.40	22.4	ug/L	719791	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	11.66	13.8	ug/L	443138	3	11.48	1607930	50.0
Benzene, 1,2-diet...	11.78	15.2	ug/L	488168	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	12.18	25.4	ug/L	817386	3	11.48	1607930	50.0
Indan, 1-methyl-	12.36	20.9	ug/L	673764	3	11.48	1607930	50.0
5-Eicosyne	12.44	11.9	ug/L	383087	3	11.48	1607930	50.0
Naphthalene, deca...	12.51	44.3	ug/L	1423470	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	12.61	45.6	ug/L	1466000	3	11.48	1607930	50.0
1-Methyldecahydro...	12.72	27.6	ug/L	888343	3	11.48	1607930	50.0
Benzene, (1,1-dim...	12.78	10.1	ug/L	324453	3	11.48	1607930	50.0
Benzene, 2,4-dime...	12.88	13.3	ug/L	427882	3	11.48	1607930	50.0
p-Cymene	13.12	81.3	ug/L	2615620	3	11.48	1607930	50.0
unknown-02	13.29	20.6	ug/L	664069	3	11.48	1607930	50.0
Cyclopentylcycloh...	13.41	10.2	ug/L	326329	3	11.48	1607930	50.0
Benzene, (2-chlor...	13.51	13.0	ug/L	418421	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	13.67	14.9	ug/L	480110	3	11.48	1607930	50.0
(DEL) Alkane: Str...	13.73	25.9	ug/L	833700	3	11.48	1607930	50.0
3,4-Dimethylcumene	13.79	25.4	ug/L	815349	3	11.48	1607930	50.0
(DEL) Alkane: Str...	13.88	14.0	ug/L	449038	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	14.05	21.1	ug/L	678316	3	11.48	1607930	50.0
Naphthalene, deca...	14.18	8.6	ug/L	278008	3	11.48	1607930	50.0
(DEL) Alkane: Cyc...	14.24	5.1	ug/L	162680	3	11.48	1607930	50.0
2-Propenal, 3-(4-...	14.34	24.5	ug/L	789282	3	11.48	1607930	50.0
1,4-Methanonaphth...	14.89	22.1	ug/L	709265	3	11.48	1607930	50.0
Bacchotricuneatin c	15.66	9.1	ug/L	291671	3	11.48	1607930	50.0
Naphthalene, 2,6-...	15.92	12.0	ug/L	386058	3	11.48	1607930	50.0
Naphthalene, 2,3-...	16.06	10.3	ug/L	331901	3	11.48	1607930	50.0
Naphthalene, 2,7-...	16.10	16.4	ug/L	528206	3	11.48	1607930	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9Y04ME