LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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	1.398	62	70	85	rBV	280992	293286	13.74%	0.751%
2	1.588	111	129	137	rVB4	35695	90078	4.22%	0.231%
3	1.665	145	153	170	rVV	224067	286827	13.43%	0.735%
4	2.267	329	340	353	rBV	464445	699228	32.75%	1.791%
5	2.990	544	565	582	rVB3	49156	107847	5.05%	0.276%
6	4.173	912	933	962	rBV	212077	559899	26.22%	1.434%
7	4.643	1059	1079	1099	rBV	343117	814834	38.16%	2.088%
8	4.993	1167	1188	1202	rBV2	96439	233215	10.92%	0.597%
9	5.077	1202	1214	1231	rVB2	35464	86251	4.04%	0.221%
10	5.254	1251	1269	1274	rBV3	40458	86665	4.06%	0.222%
11	5.337	1274	1295	1320	rVV2	729138	2135088	100.00%	5.470%
12	5.479	1323	1339	1350	rVV3	142678	321756	15.07%	0.824%
13	5.553	1350	1362	1372	rVV2	121024	265592	12.44%	0.680%
14	5.620	1372	1383	1408	rVB2	223354	498760	23.36%	1.278%
15	5.884	1449	1465	1492	rBV	829857	1622916	76.01%	4.158%
16	6.327	1588	1603	1614	rVV	499430	997484	46.72%	2.556%
17	6.411	1614	1629	1643	rVV3	521388	1272289	59.59%	3.260%
18	6.472	1643	1648	1657	rVV3	21910	39494	1.85%	0.101%
19	6.530	1658	1666	1679	rVB4	27321	51616	2.42%	0.132%
20	6.736	1715	1730	1746	rBV2	128219	258786	12.12%	0.663%
21	6.900	1758	1781	1798	rBV2	161165	328712	15.40%	0.842%
22	7.102	1833	1844	1851	rBV3	24487	44592	2.09%	0.114%
23	7.151	1851	1859	1869	rVB3	22426	42996	2.01%	0.110%
24	7.224	1869	1882	1900	rBV	301081	603684	28.27%	1.547%
25	7.295	1901	1904	1917	rVB2	22099	34963	1.64%	0.090%
26	7.372	1917	1928	1936	rBV3	27085	48895	2.29%	0.125%
27	7.437	1936	1948	1961	rVB5	30224	74985	3.51%	0.192%
28	7.527	1962	1976	1979	rBV	278993	428687	20.08%	1.098%
29	7.562	1979	1987	2011	rVB	1067784	1914491	89.67%	4.905%
30	7.704	2019	2031	2039	rBV5	65607	139994	6.56%	0.359%
31	7.774	2046	2053	2064	rVB2	104766	183656	8.60%	0.471%
32	7.848	2065	2076	2086	rVV	219656	363565	17.03%	0.931%
33	7.916	2086	2097	2111	rVB2	232998	433121	20.29%	1.110%
34	8.044	2119	2137	2147	rBV3	66259	129488	6.06%	0.332%

LSC Area Percent Report

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Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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	8.102	2147	2155	2165	rBV9	16286	33847	1.59%	0.087%
36	8.224	2183	2193	2206	rVB	45108	79331	3.72%	0.203%
37	8.308	2206	2219	2236	rBV2	777979	1544895	72.36%	3.958%
38	8.453	2256	2264	2268	rBV2	46383	70350	3.29%	0.180%
39	8.543	2282	2292	2301	rVB	213248	342893	16.06%	0.878%
40	8.604	2301	2311	2322	rBV	278460	506126	23.71%	1.297%
41	8.758	2347	2359	2368	rBV2	91302	161116	7.55%	0.413%
42	8.813	2368	2376	2380	rBV2	76440	115506	5.41%	0.296%
43	8.848	2380	2387	2414	rVB4	146324	337527	15.81%	0.865%
44	9.025	2433	2442	2450	rBV2	45740	77179	3.61%	0.198%
45	9.086	2450	2461	2476	rBV	1183773	1953577	91.50%	5.005%
46	9.241	2501	2509	2524	rVB4	66347	129710	6.08%	0.332%
47	9.347	2526	2542	2550	rVV6	112647	264729	12.40%	0.678%
48	9.401	2551	2559	2566	rVV2	156371	285511	13.37%	0.731%
49	9.443	2566	2572	2598	rVB3	97165	230098	10.78%	0.590%
50	9.565	2598	2610	2622	rBV4	83862	161085	7.54%	0.413%
51	9.716	2642	2657	2676	rBV5	165615	386895	18.12%	0.991%
52	9.816	2679	2688	2696	rBV5	57698	101131	4.74%	0.259%
53	9.951	2712	2730	2739	rBV2	508168	928304	43.48%	2.378%
54	10.041	2751	2758	2765	rBV	208846	303677	14.22%	0.778%
55	10.089	2766	2773	2785	rVB2	323426	523263	24.51%	1.341%
56	10.157	2785	2794	2805	rVB5	76758	151767	7.11%	0.389%
57	10.218	2806	2813	2818	rBV4	65805	104195	4.88%	0.267%
58	10.253	2819	2824	2836	rVB3	92234	144246	6.76%	0.370%
59	10.376	2853	2862	2869	rBV2	68528	106869	5.01%	0.274%
60	10.430	2869	2879	2888	rVV	690069	1111752	52.07%	2.848%
61	10.488	2889	2897	2916	rVB4	273221	513501	24.05%	1.316%
62	10.588	2922	2928	2933	rBV	33268	43502	2.04%	0.111%
63	10.633	2934	2942	2954	rVV6	79729	173236	8.11%	0.444%
64	10.697	2956	2962	2970	rVV7	84526	147093	6.89%	0.377%
65	10.748	2970	2978	2988	rVV2	218680	364861	17.09%	0.935%
66	10.806	2990	2996	3007	rVB7	84923	164984	7.73%	0.423%
67	11.070	3072	3078	3085	rVB6	52712	74833	3.50%	0.192%
68	11.115	3086	3092	3094	rBV3	53971	58315	2.73%	0.149%
69	11.273	3128	3141	3146	rBV7	76255	162797	7.62%	0.417%
70	11.334	3155	3160	3170	rVB5	184147	293128	13.73%	0.751%
71	11.395	3172	3179	3187	rVV	176101	263329	12.33%	0.675%

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Sample : J6171-10MEDL 10X
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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	11.440	3188	3193	3197	rVV4	86657	112807	5.28%	0.289%
73	11.482	3197	3206	3228	rVB	1309475	2124036	99.48%	5.442%
74	11.665	3256	3263	3271	rVB4	97293	139665	6.54%	0.358%
75	11.777	3289	3298	3310	rBV8	78087	172830	8.09%	0.443%
76	11.858	3313	3323	3341	rVB	1142823	2024685	94.83%	5.187%
77	12.182	3414	3424	3431	rBV7	135060	260238	12.19%	0.667%
78	12.359	3471	3479	3487	rBV4	171062	288779	13.53%	0.740%
79	12.510	3520	3526	3545	rVB4	232104	474318	22.22%	1.215%
80	12.610	3547	3557	3564	rBV3	305822	529189	24.79%	1.356%
81	12.723	3583	3592	3604	rVB4	154335	271820	12.73%	0.696%
82	12.784	3606	3611	3624	rVB7	64787	107601	5.04%	0.276%
83	12.880	3634	3641	3650	rBV4	88586	165292	7.74%	0.423%
84	13.044	3686	3692	3701	rVB5	81253	124083	5.81%	0.318%
85	13.121	3707	3716	3736	rVB3	464128	950919	44.54%	2.436%
86	13.282	3759	3766	3789	rVB3	200885	556839	26.08%	1.427%
87	13.408	3800	3805	3812	rVB6	82934	111103	5.20%	0.285%
88	13.674	3883	3888	3896	rVB3	119160	161584	7.57%	0.414%
89	13.726	3897	3904	3916	rVB6	187636	352016	16.49%	0.902%
90	13.790	3917	3924	3939	rBV7	148018	268032	12.55%	0.687%
91	13.883	3946	3953	3960	rBV	182663	240795	11.28%	0.617%
92	14.176	4039	4044	4058	rVB6	78136	118330	5.54%	0.303%
93	14.340	4086	4095	4107	rVB7	163698	327926	15.36%	0.840%
94	14.890	4255	4266	4275	rVB2	144497	320492	15.01%	0.821%
95	15.661	4501	4506	4515	rVB2	83513	113266	5.30%	0.290%
96	15.915	4577	4585	4598	rVB2	97469	175519	8.22%	0.450%
97	16.060	4623	4630	4636	rBV2	112251	166129	7.78%	0.426%
98	16.102	4638	4643	4659	rVB6	120277	227677	10.66%	0.583%
99	17.166	4969	4974	4984	rVB	89878	126917	5.94%	0.325%
100	17.227	4987	4993	5003	rVB4	75150	110073	5.16%	0.282%

Sum of corrected areas: 39031858

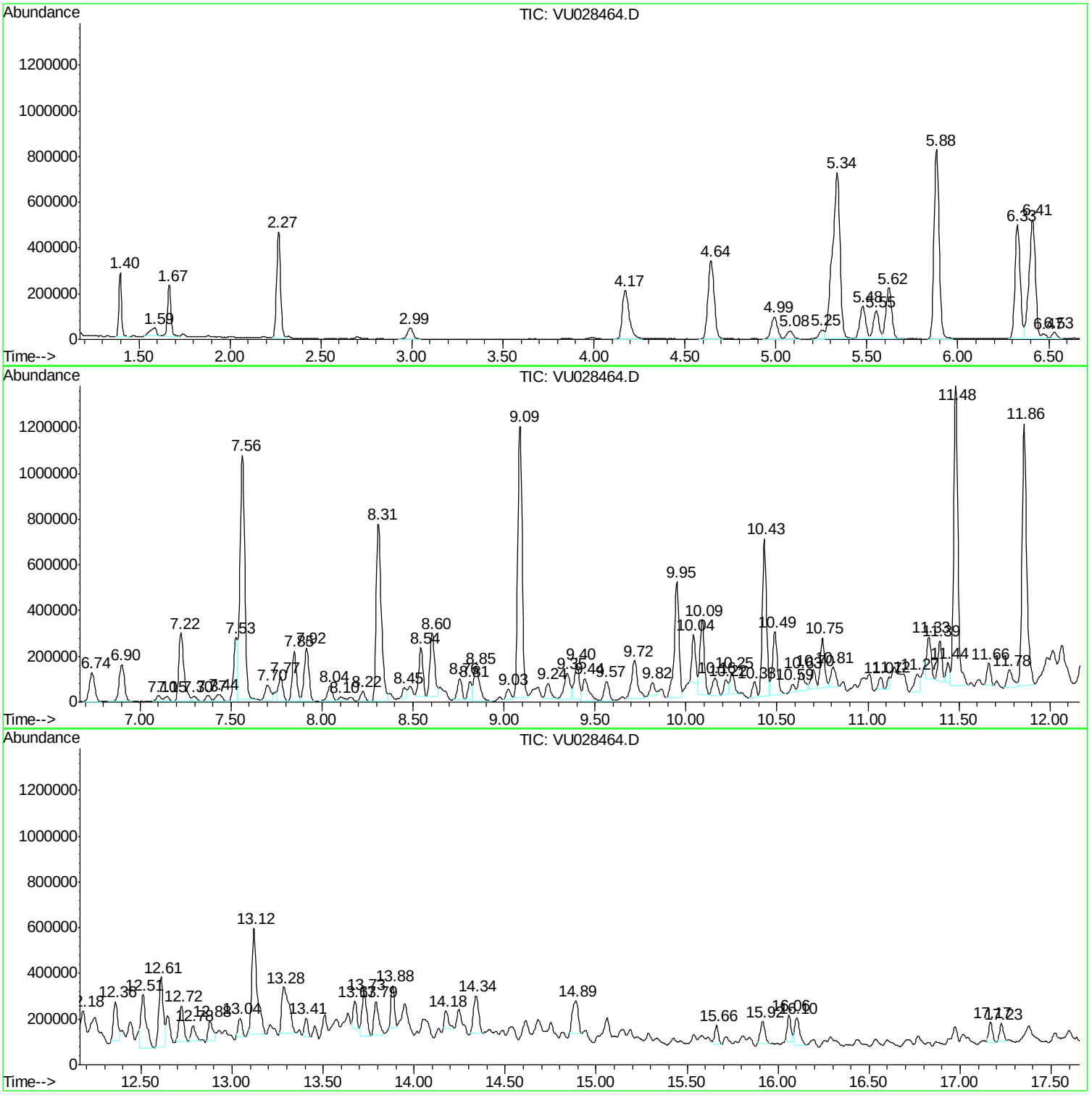
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

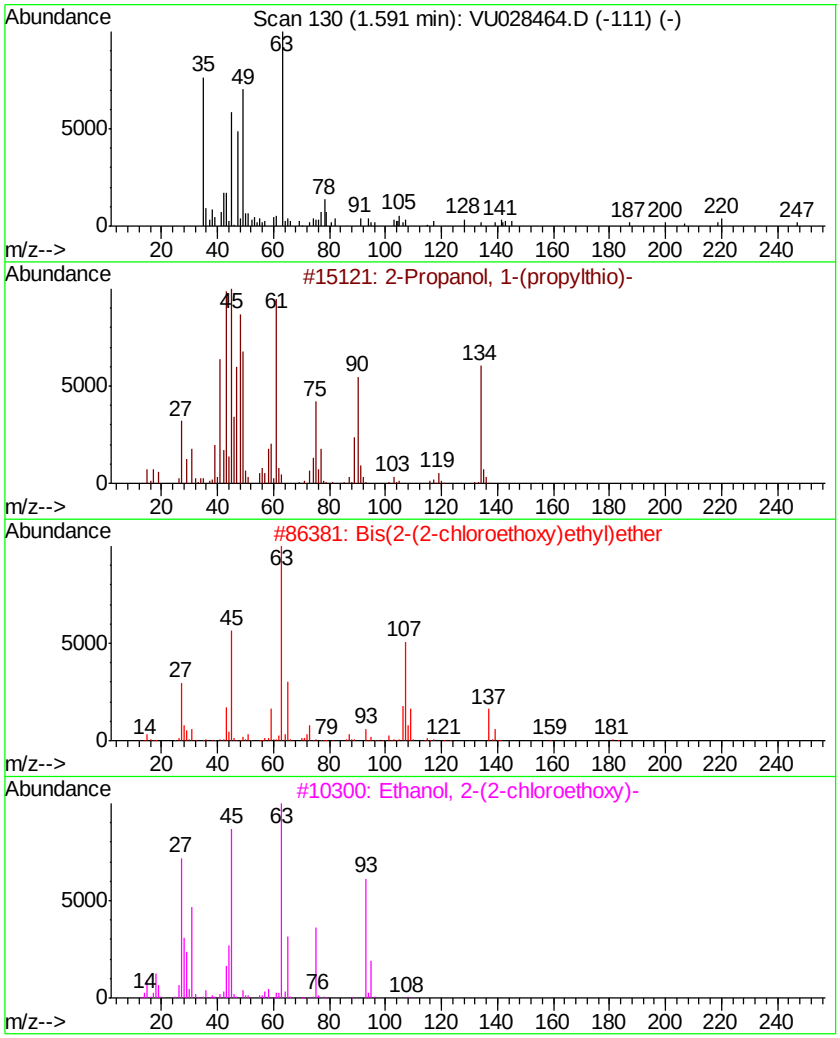
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

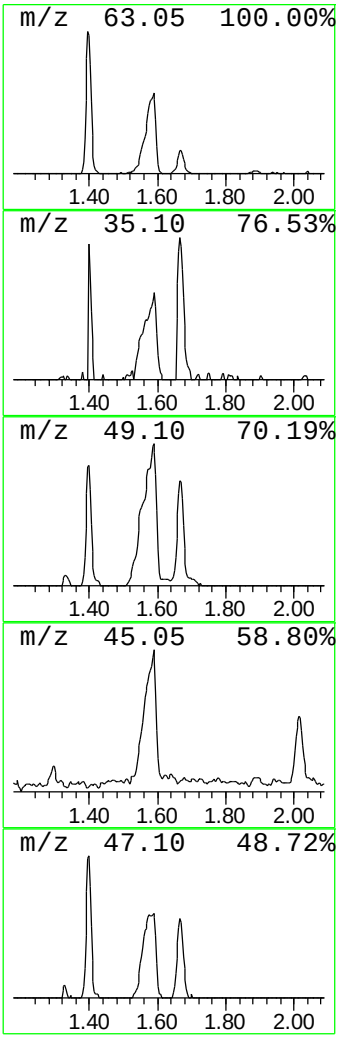
****

Peak Number 1 unknown-01 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.59	2.78 ug/L	90078	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(propylthio)-	134	C6H14OS	053957-22-5	10
2	Bis(2-(2-chloroethoxy)ethyl)ether	230	C8H16Cl2O3	000638-56-2	9
3	Ethanol, 2-(2-chloroethoxy)-	124	C4H9ClO2	000628-89-7	9
4	1,3-Dioxonane, 5,5,6,6,7,7,8,8-o...	274	C7H6F8O2	036301-47-0	9
5	Acetaldehyde, bis(2-chloroethyl)...	186	C6H12Cl2O2	014689-97-5	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

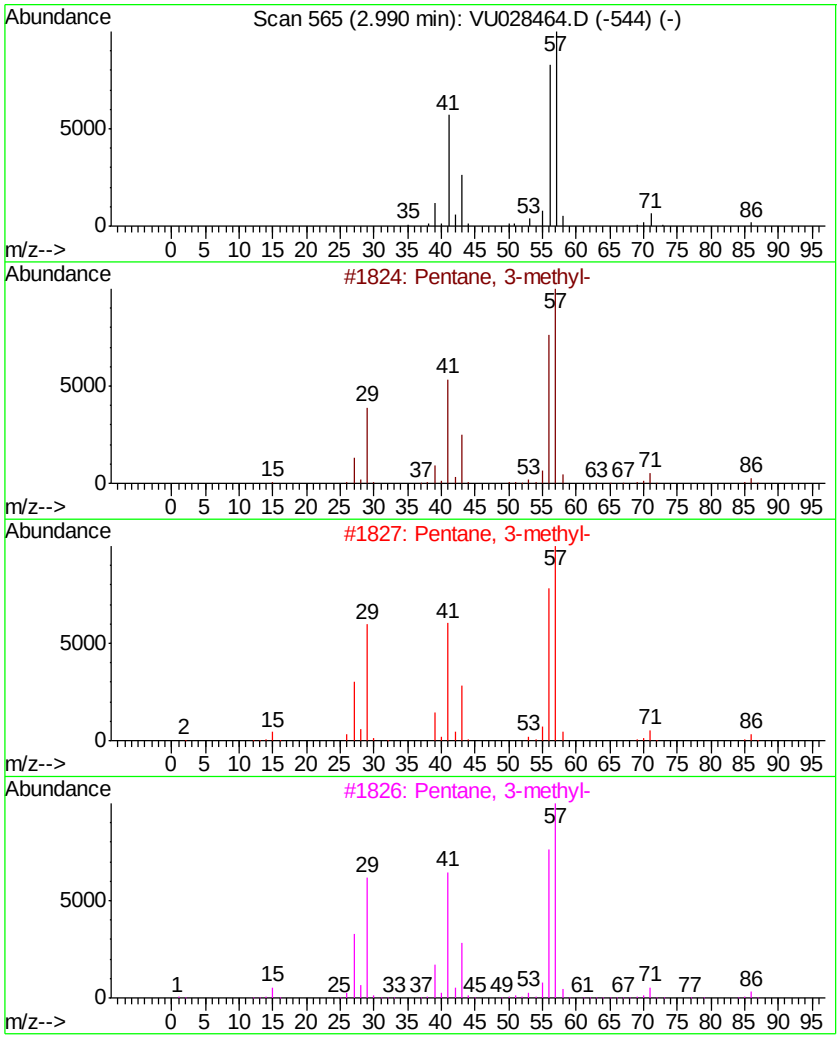
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

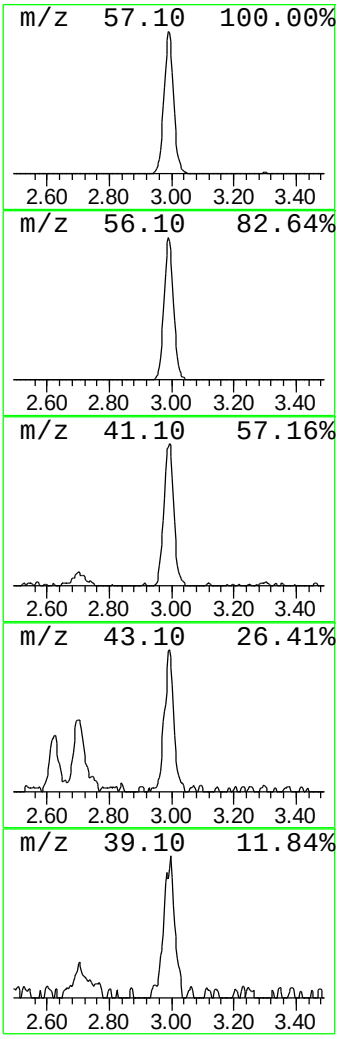
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	3.32 ug/L	107847	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	83
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	74
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	47
4	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	43
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

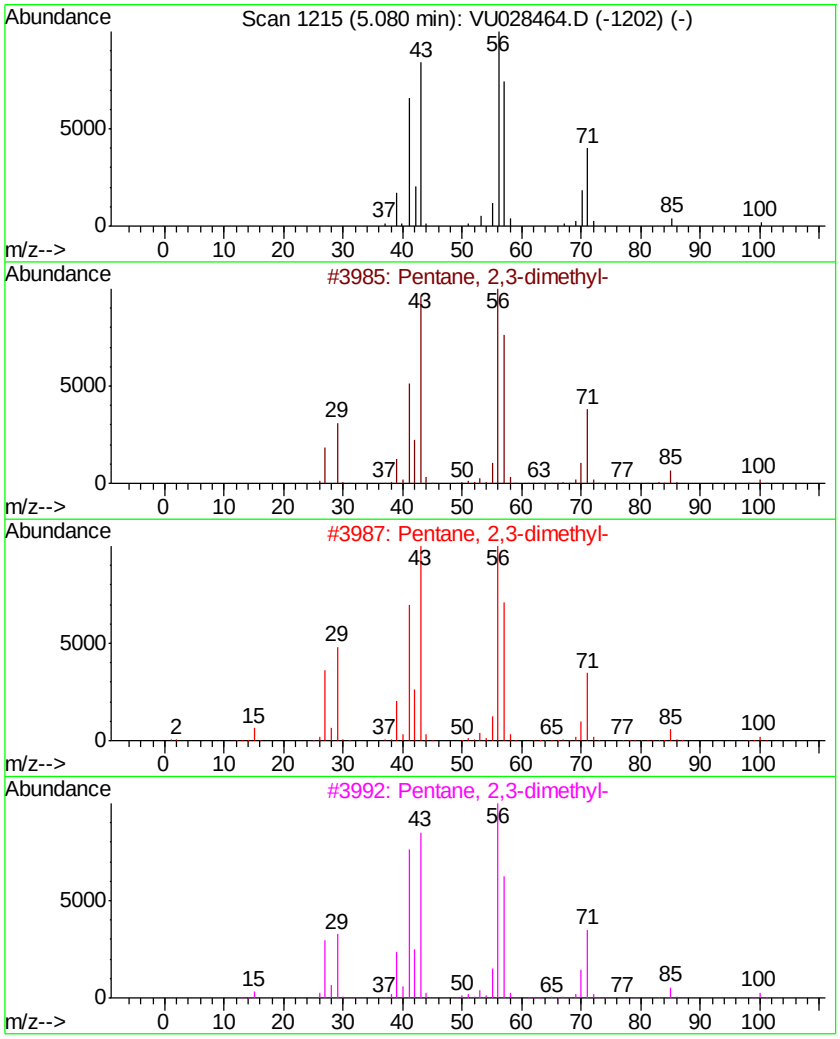
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

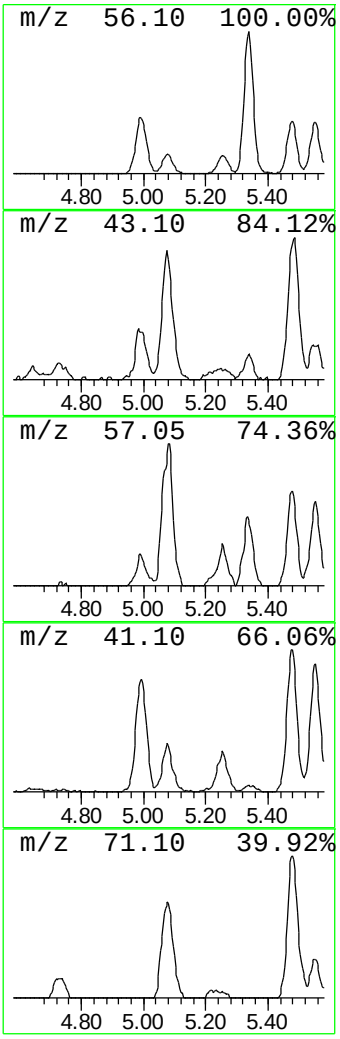
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	2.66 ug/L	86251	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	53
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

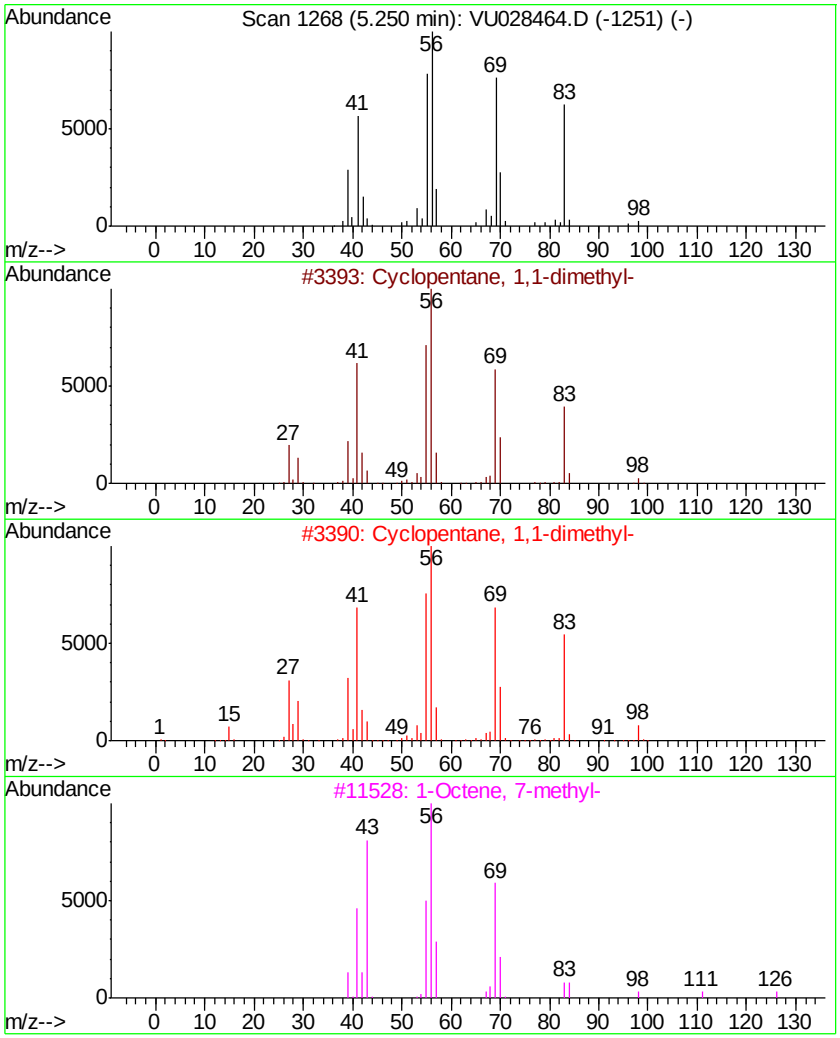
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

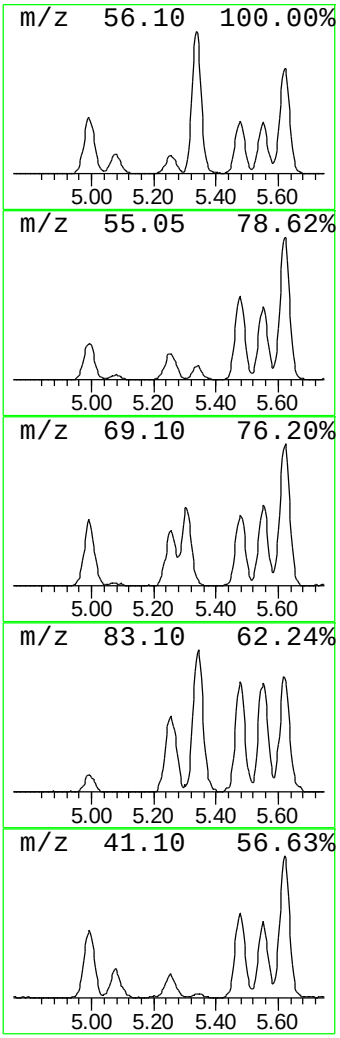
****

Peak Number 4 (DEL) Alkane: Cyclic5.25 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	2.67 ug/L	86665	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	83
3	1-Octene, 7-methyl-	126	C9H18	013151-06-9	59
4	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	43
5	1-Butene, 2-ethyl-3-methyl-	98	C7H14	007357-93-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
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Acq On : 04 Dec 2018 13:48
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Sample : J6171-10MEDL 10X
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

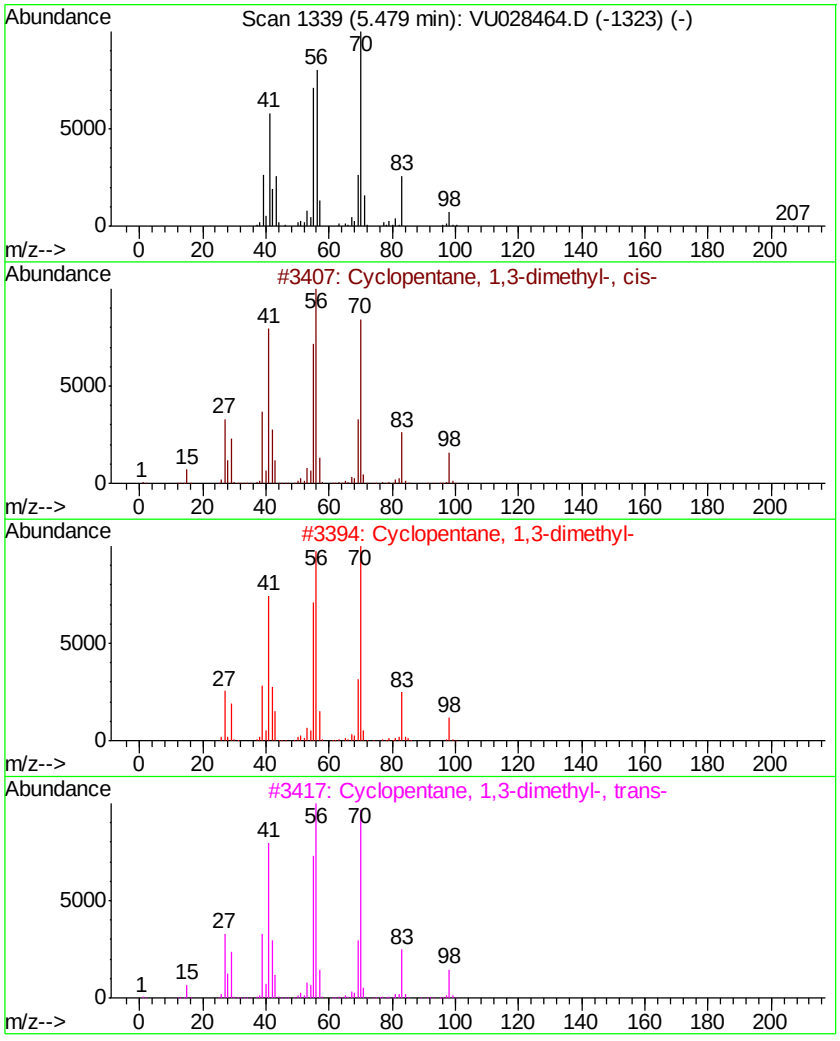
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

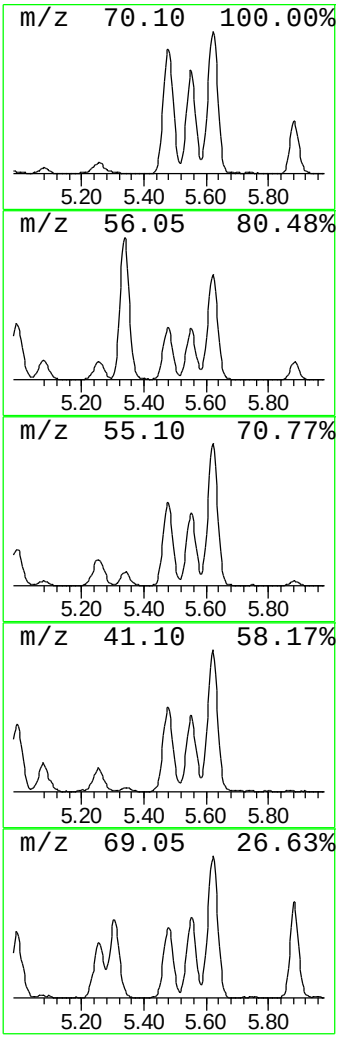
****

Peak Number 5 (DEL) Alkane: Cyclic5.48 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	9.91 ug/L	321756	1,4-Difluorobenzene	5.88

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





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Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

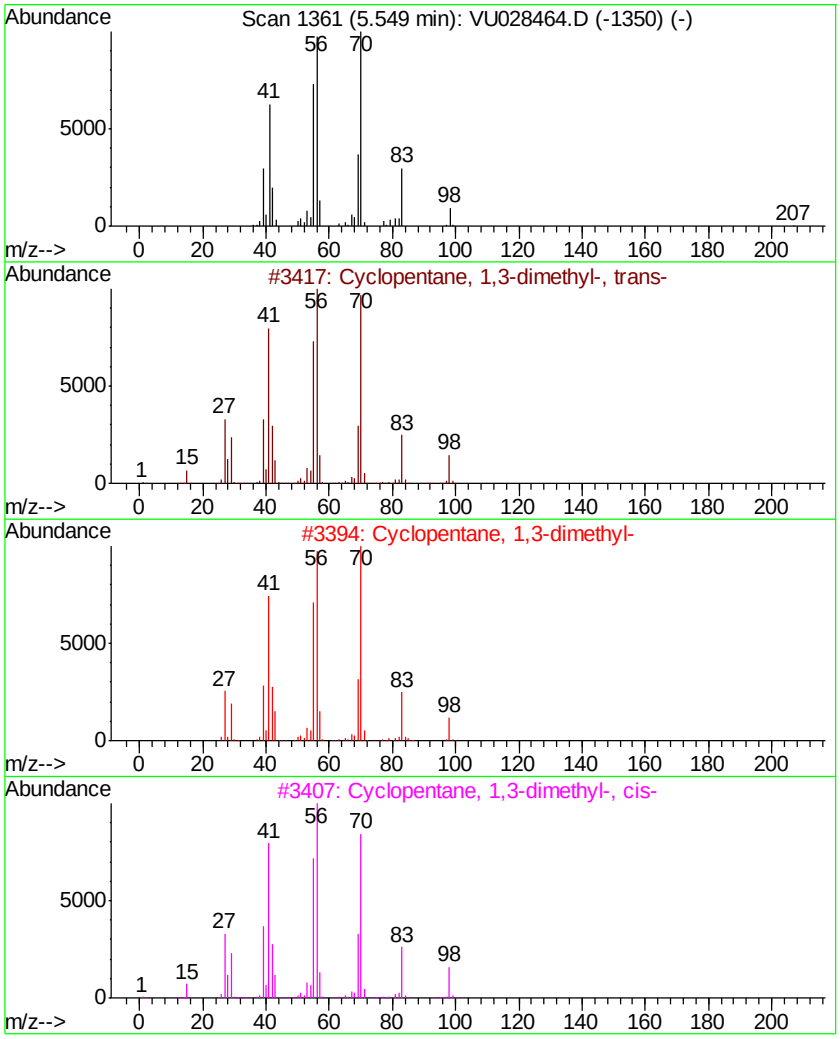
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

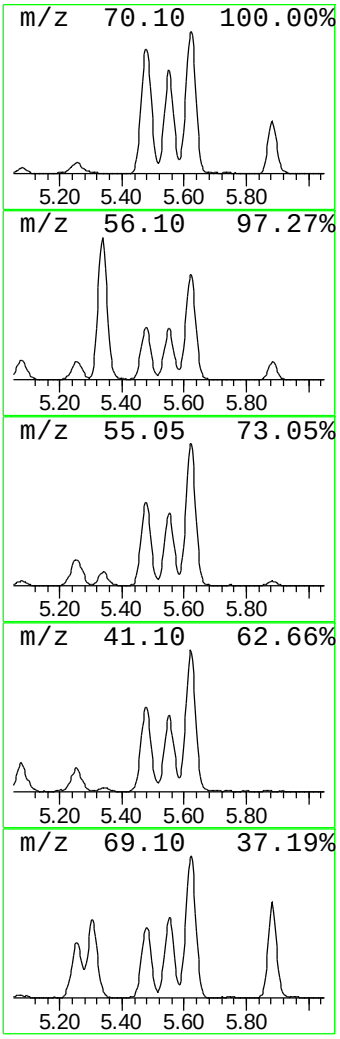
****

Peak Number 6 (DEL) Alkane: Cyclic5.55 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	8.18 ug/L	265592	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

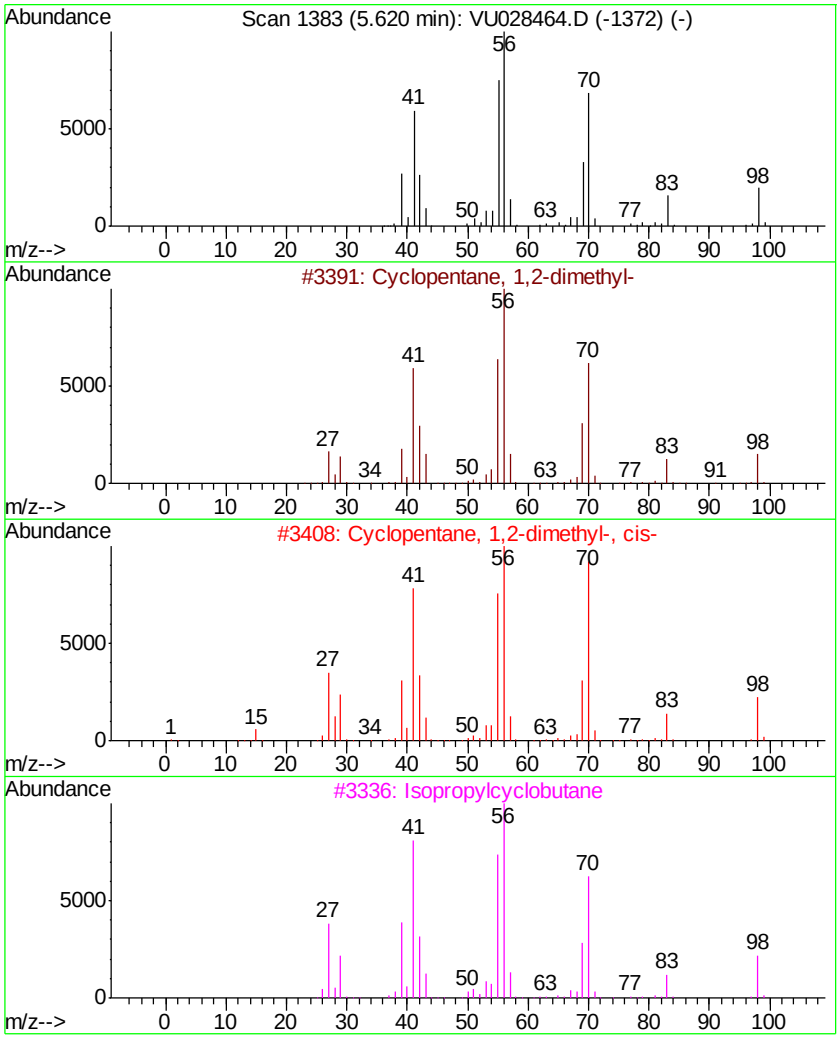
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

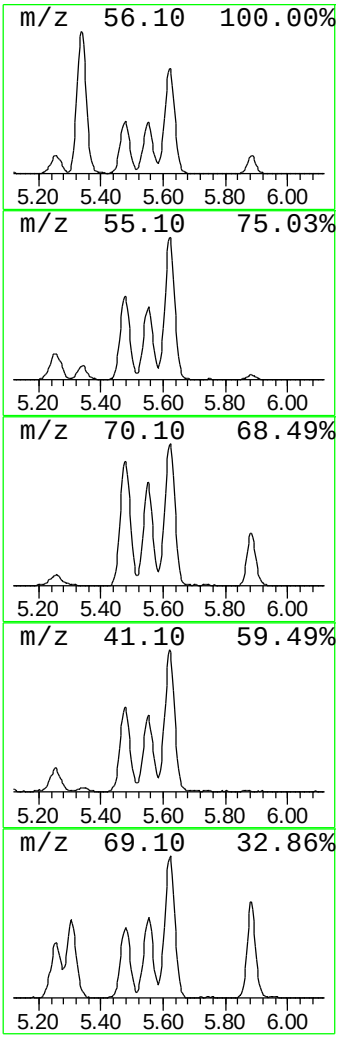
****

Peak Number 7 (DEL) Alkane: Cyclic5.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	15.37 ug/L	498760	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	97
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
3	Isopropylcyclobutane	98	C7H14	000872-56-0	94
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

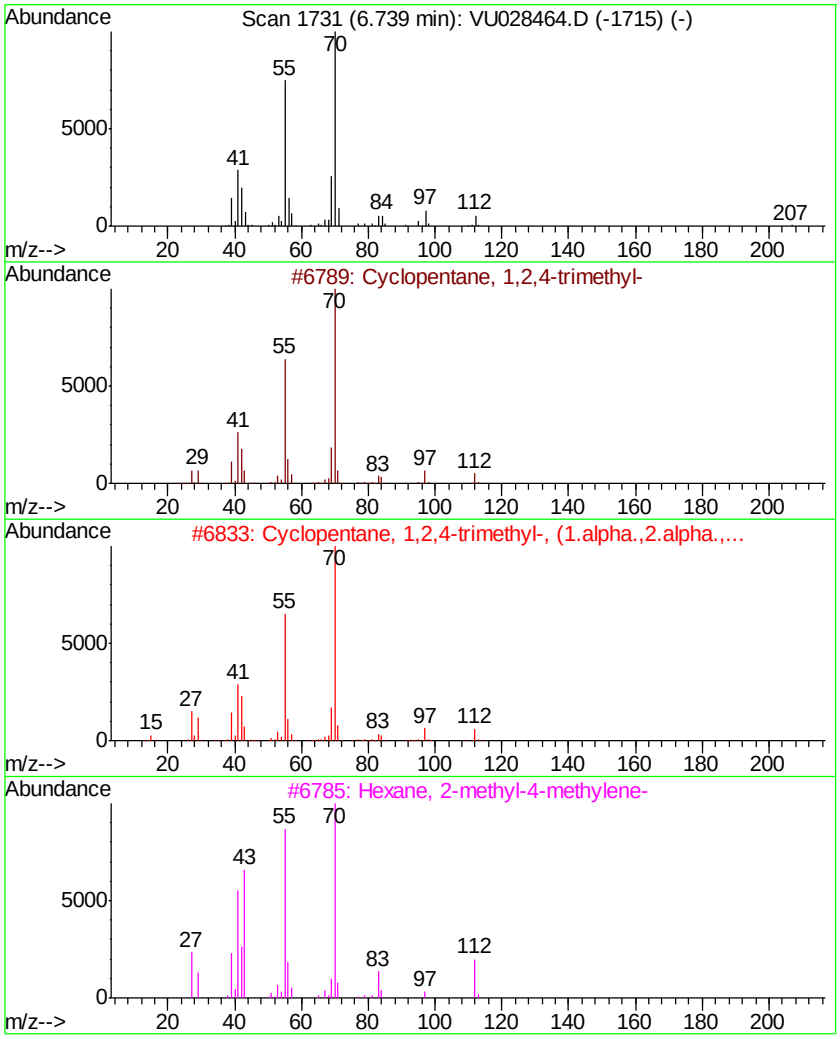
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

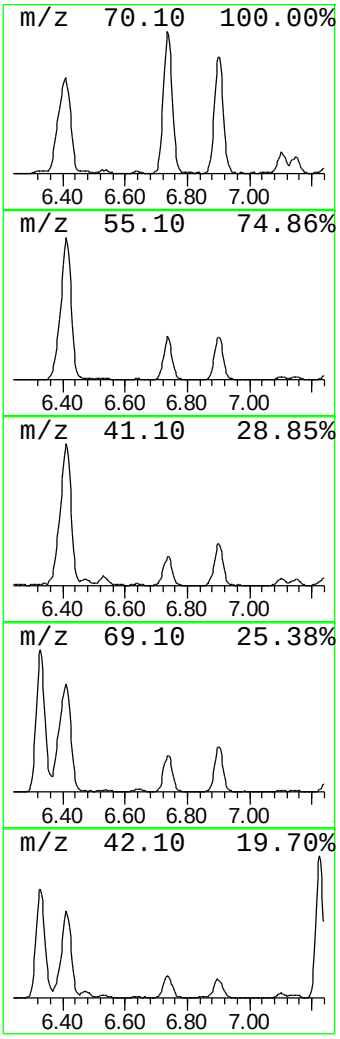
****

Peak Number 8 (DEL) Alkane: Cyclic6.74 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	7.97 ug/L	258786	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	004850-28-6	91
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	90
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	83
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

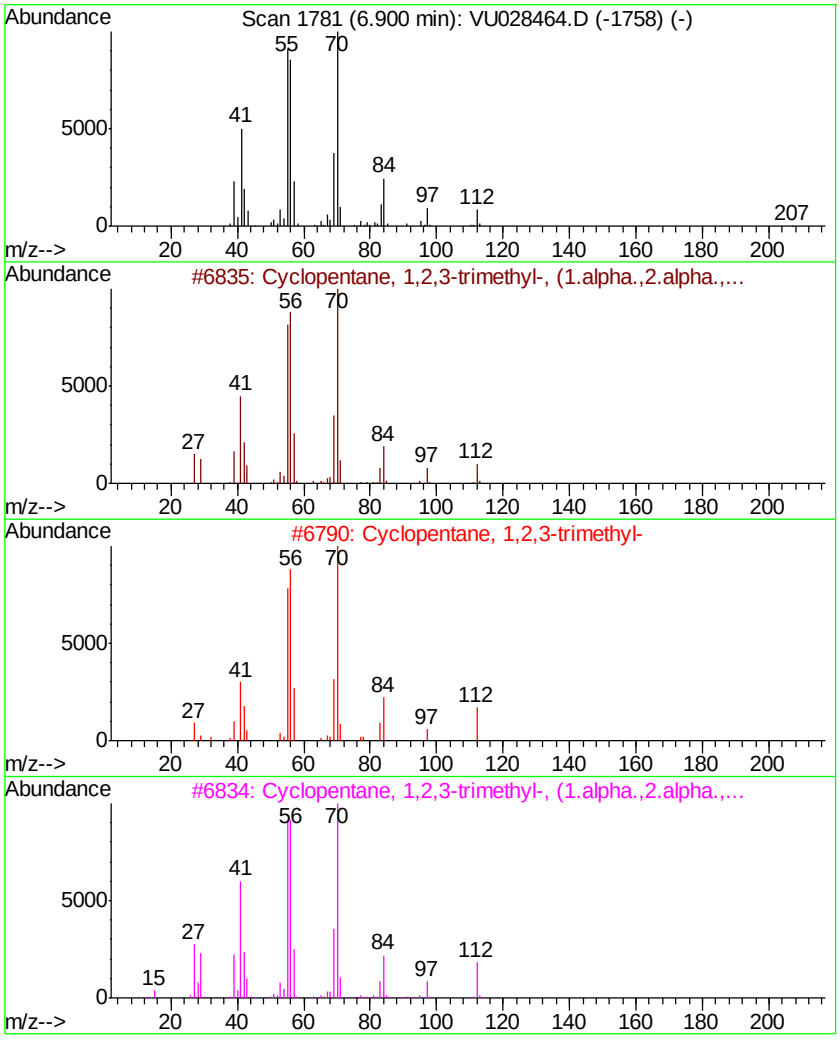
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

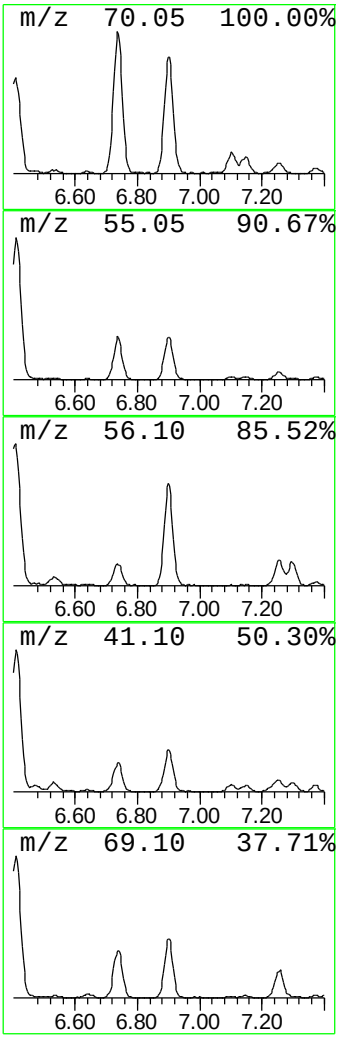
****

Peak Number 9 (DEL) Alkane: Cyclic6.90 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	10.13 ug/L	328712	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	95
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	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	72
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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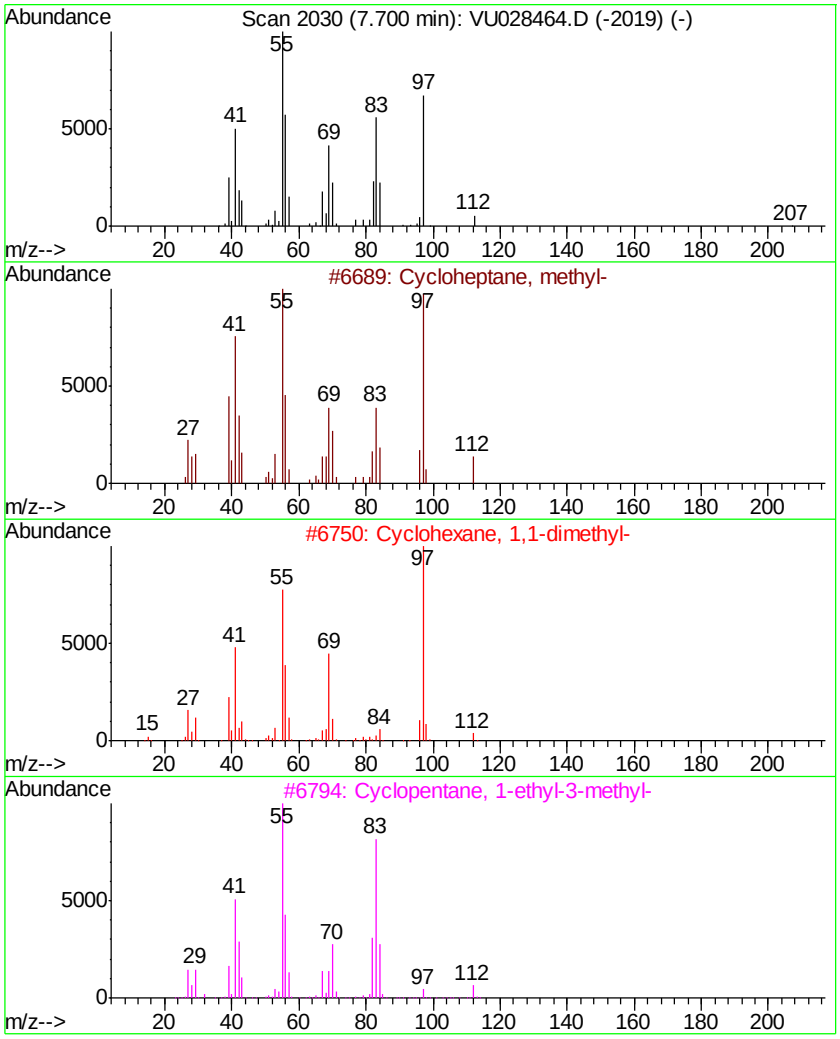
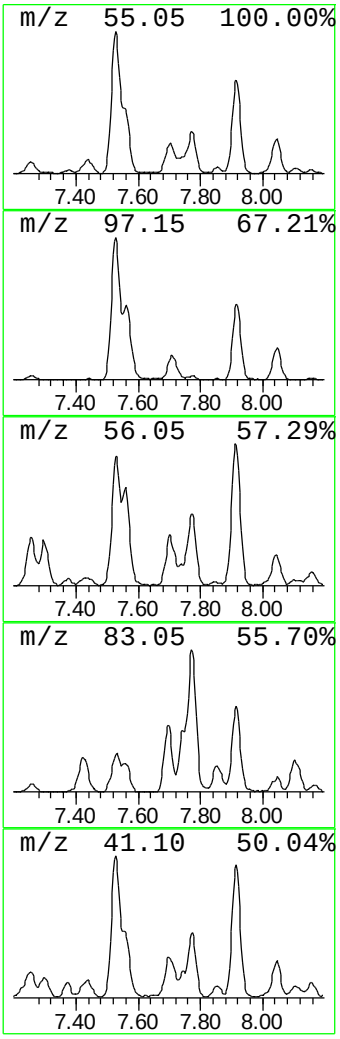
Peak Number 11 (DEL) Alkane: Cyclic7.70 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	3.58 ug/L	139994	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	86
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	50
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	49
4	Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	43
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

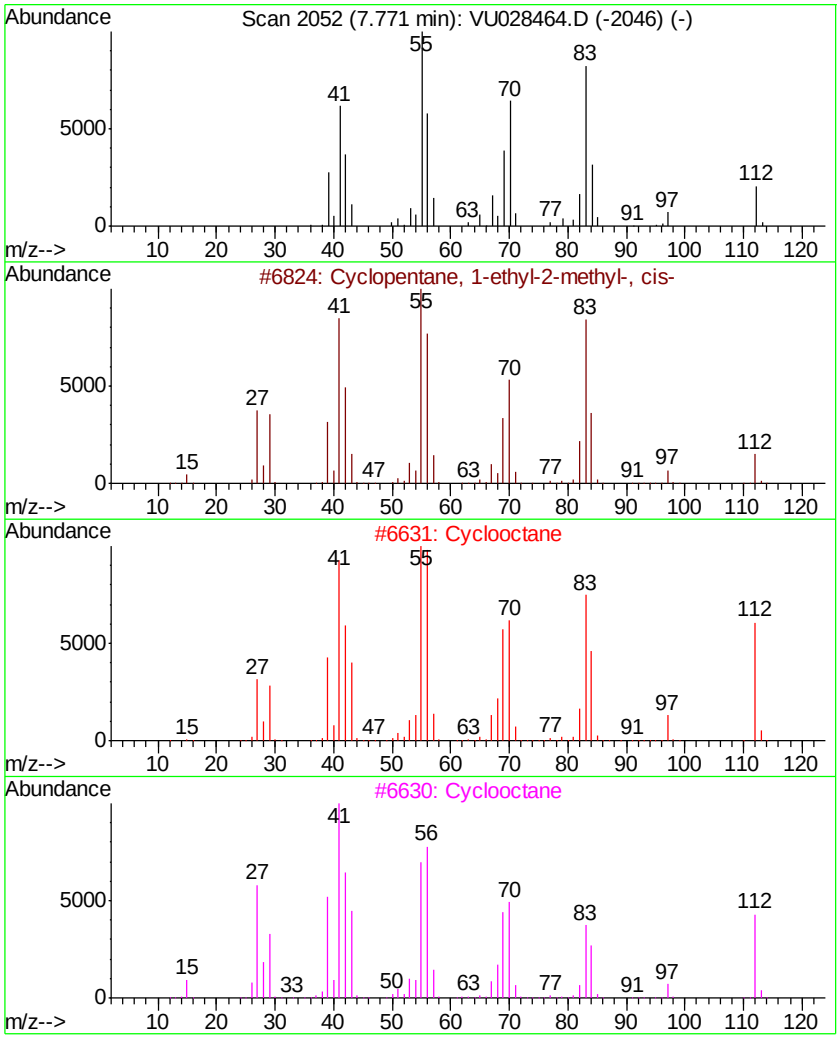
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

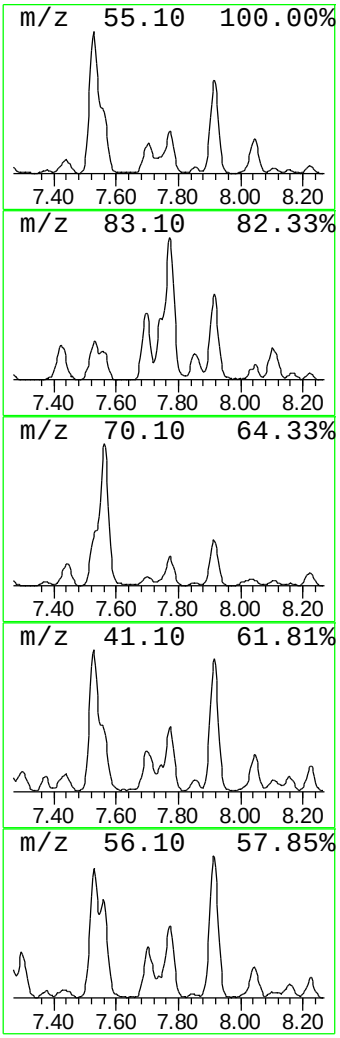
****

Peak Number 12 (DEL) Alkane: Cyclic7.77 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	4.70 ug/L	183656	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	86
2	Cyclooctane	112	C8H16	000292-64-8	72
3	Cyclooctane	112	C8H16	000292-64-8	70
4	Cyclooctane	112	C8H16	000292-64-8	62
5	6-Methyl-1,7-diazabicyclo[4.1.0]...	112	C6H12N2	108602-71-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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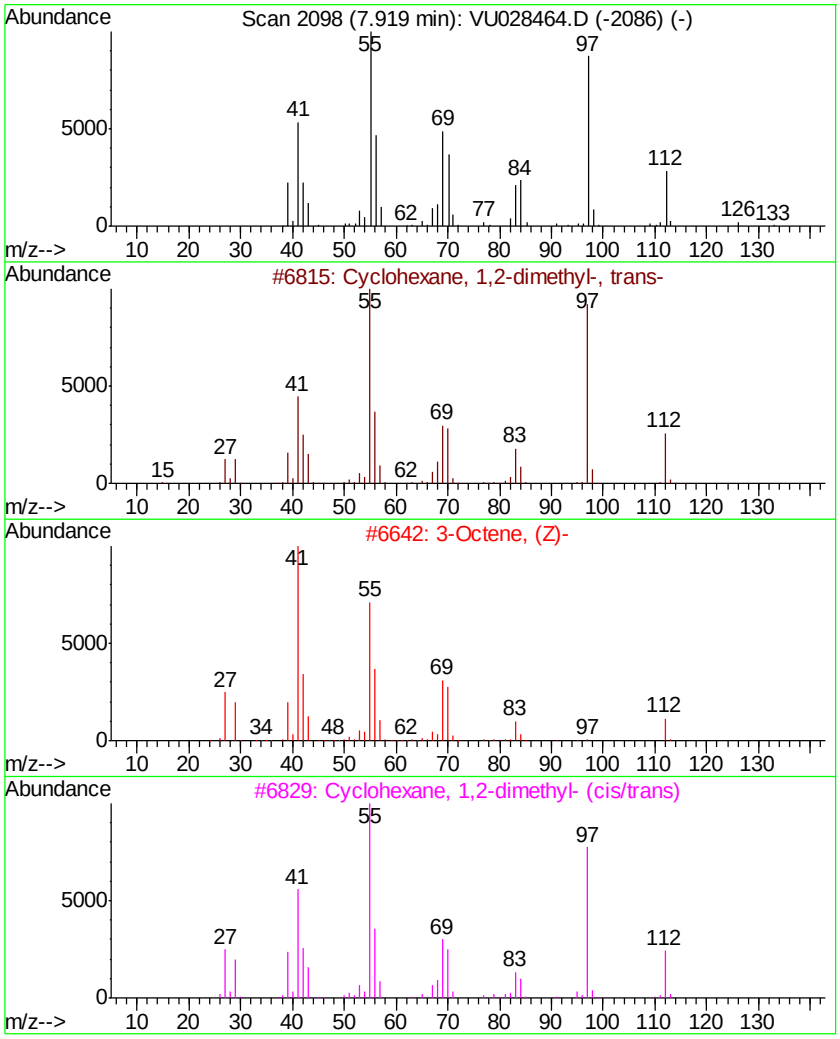
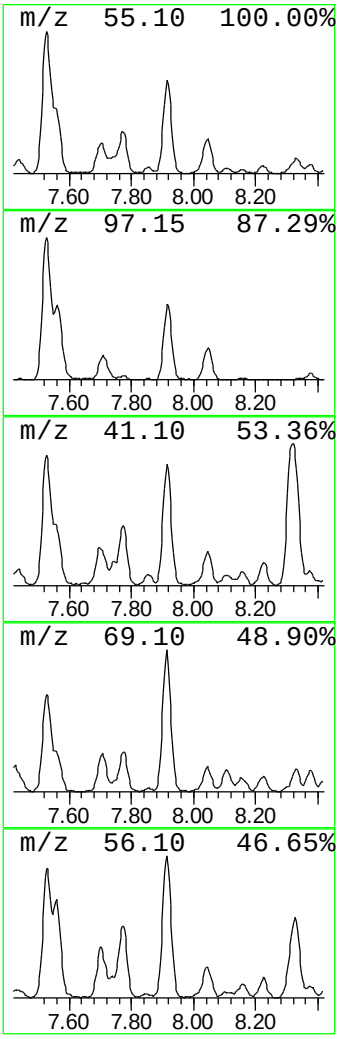
Peak Number 13 (DEL) Alkane: Cyclic7.92 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	11.09 ug/L	433121	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	3-Octene, (Z)-	112	C8H16	014850-22-7	78
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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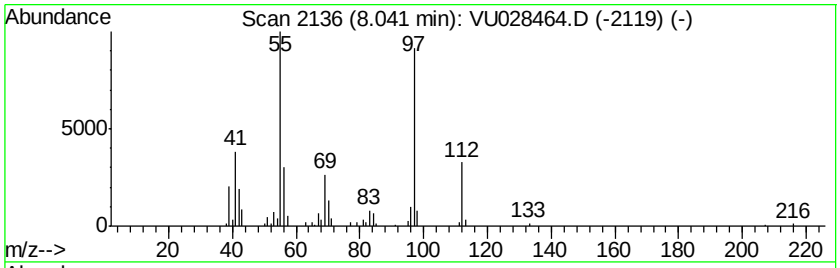
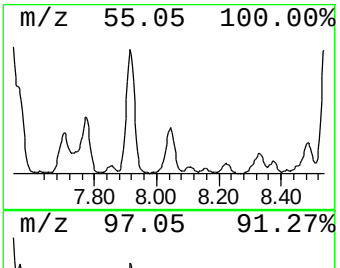
Peak Number 14 (DEL) Alkane: Cyclic8.04 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	3.31 ug/L	129488	Chlorobenzene-d5	9.09

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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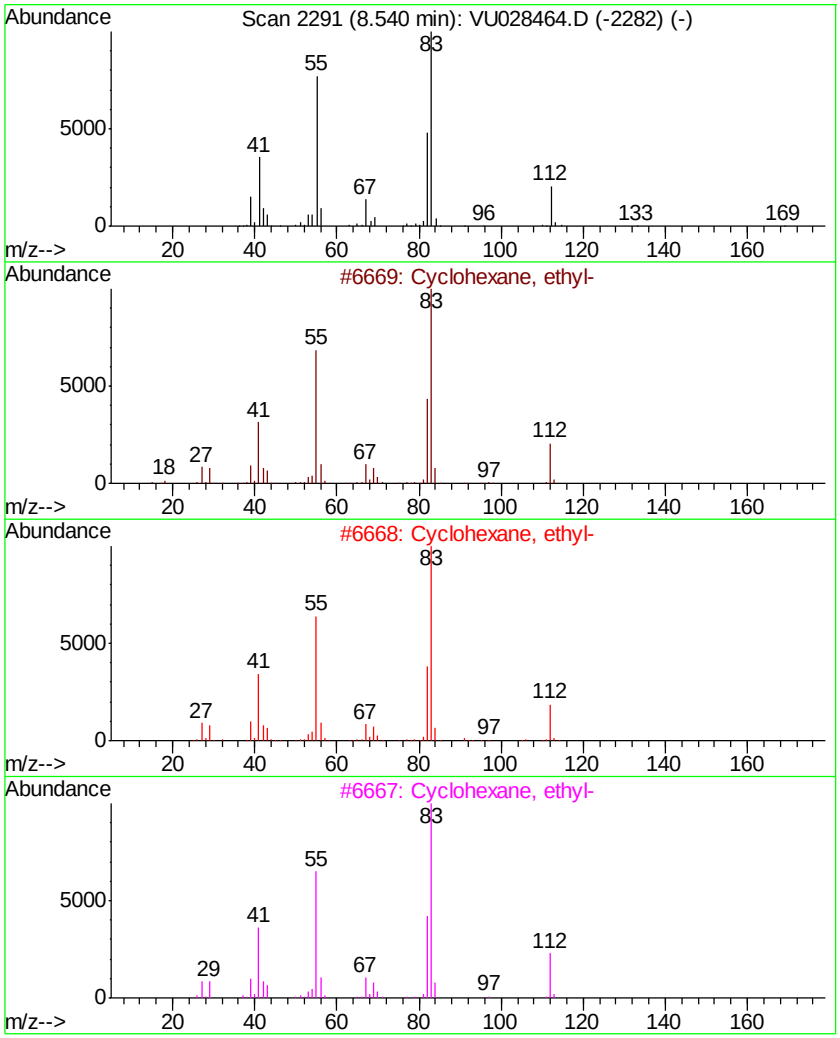
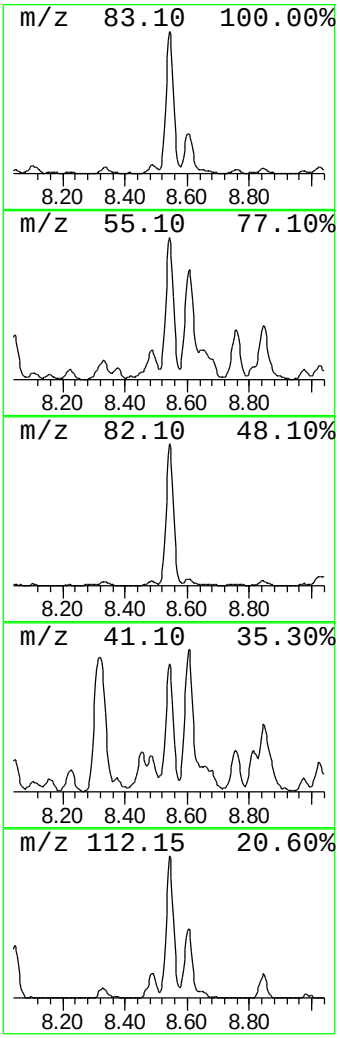
Peak Number 15 (DEL) Alkane: Cyclic8.54 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	8.78 ug/L	342893	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87





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Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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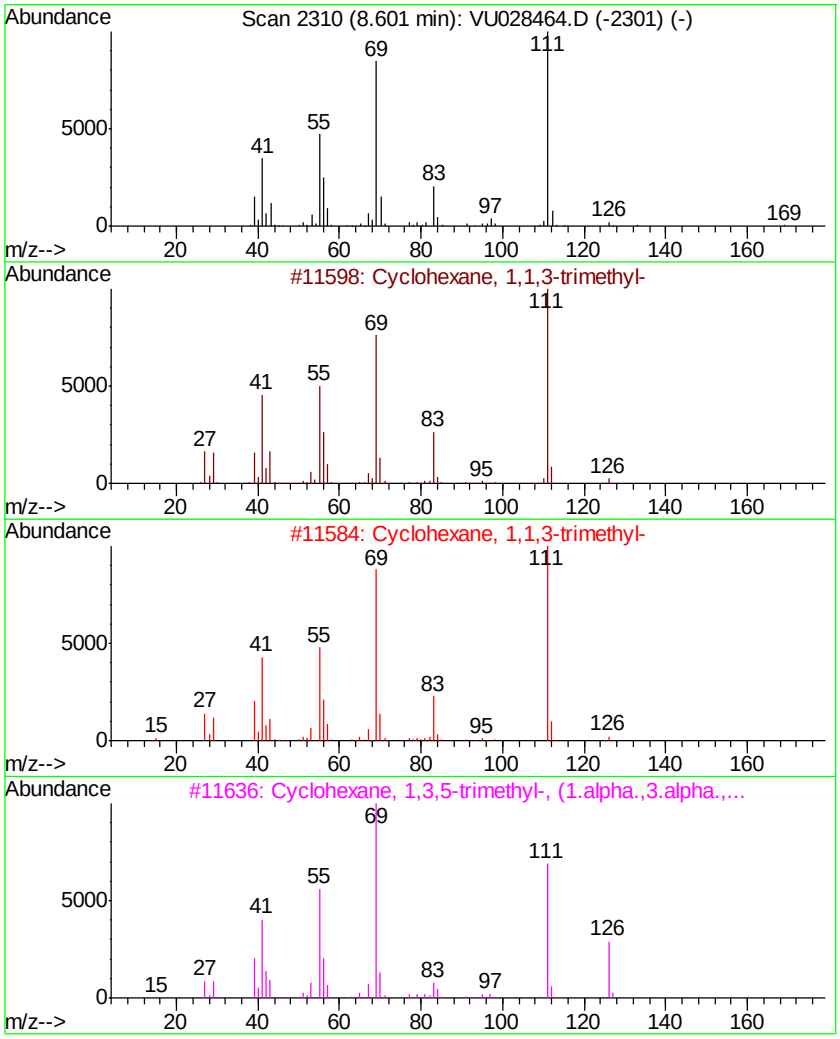
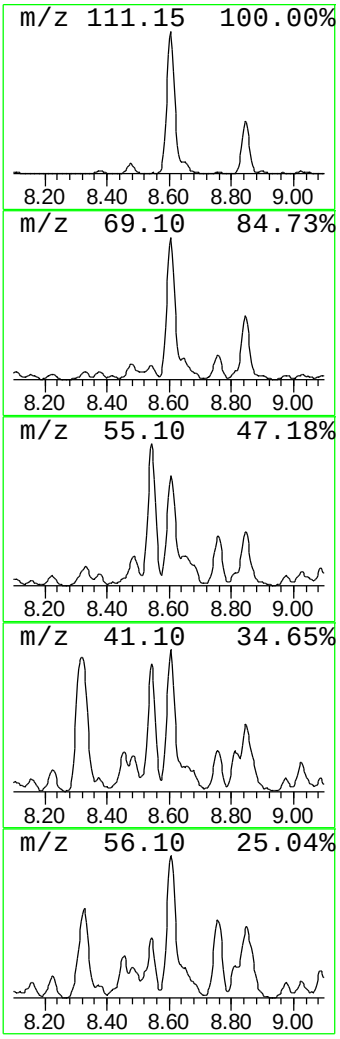
Peak Number 16 (DEL) Alkane: Cyclic8.60 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	12.95 ug/L	506126	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	78
4	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	59
5	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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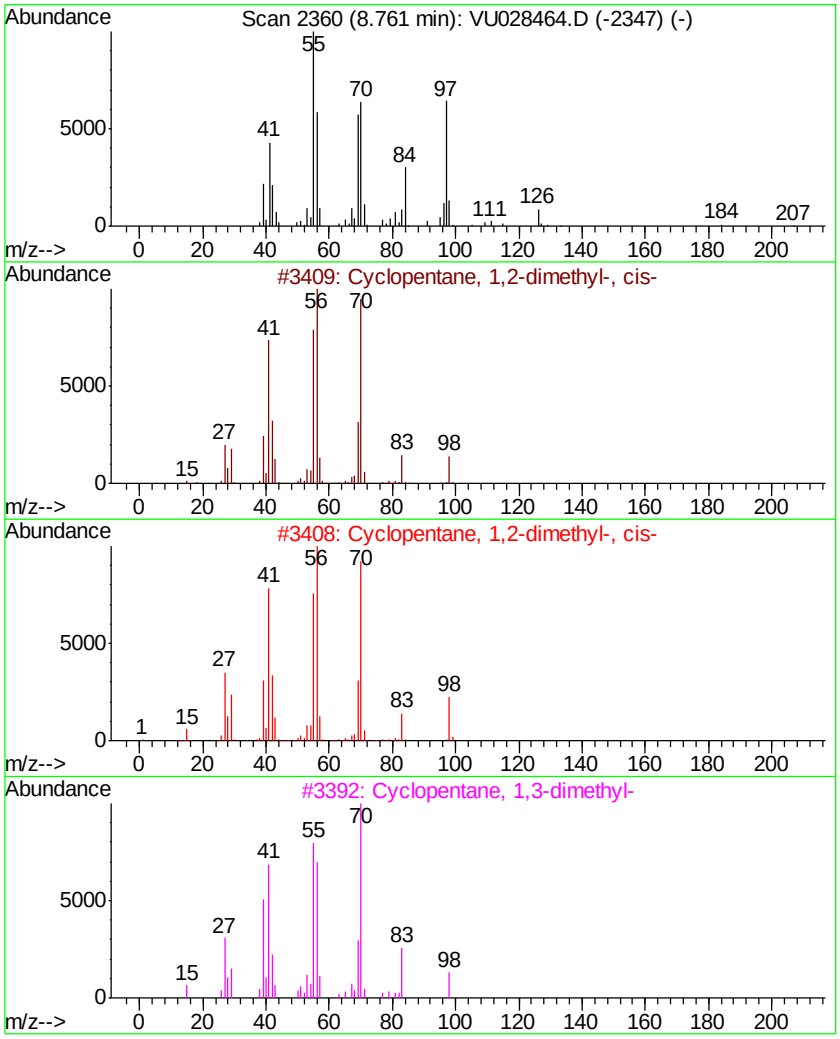
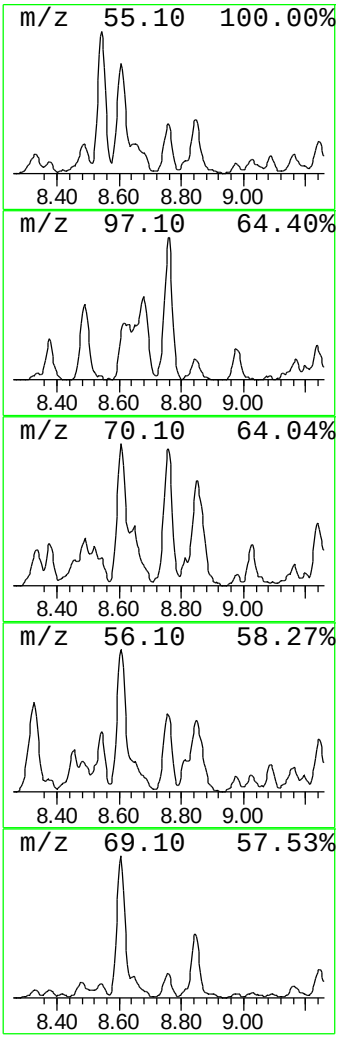
Peak Number 17 (DEL) Alkane: Cyclic8.76 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	4.12 ug/L	161116	Chlorobenzene-d5	9.09

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

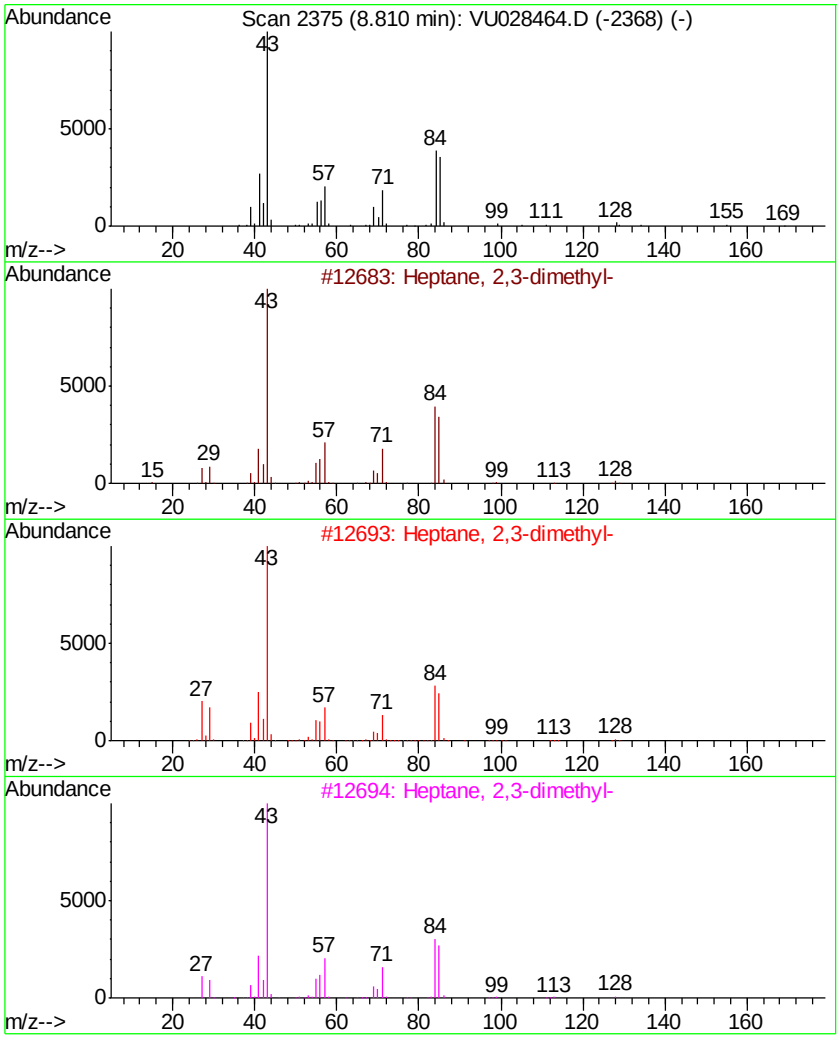
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

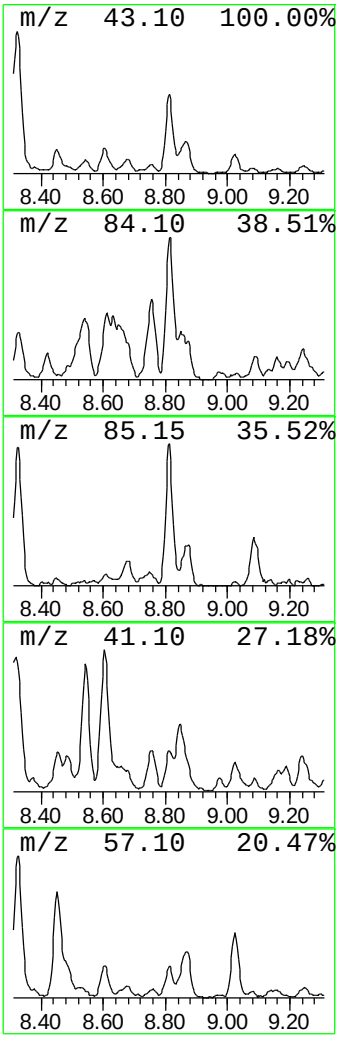
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	2.96 ug/L	115506	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	94
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	90
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	90
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	78
5	Octane, 4,5-diethyl-	170	C12H26	001636-41-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

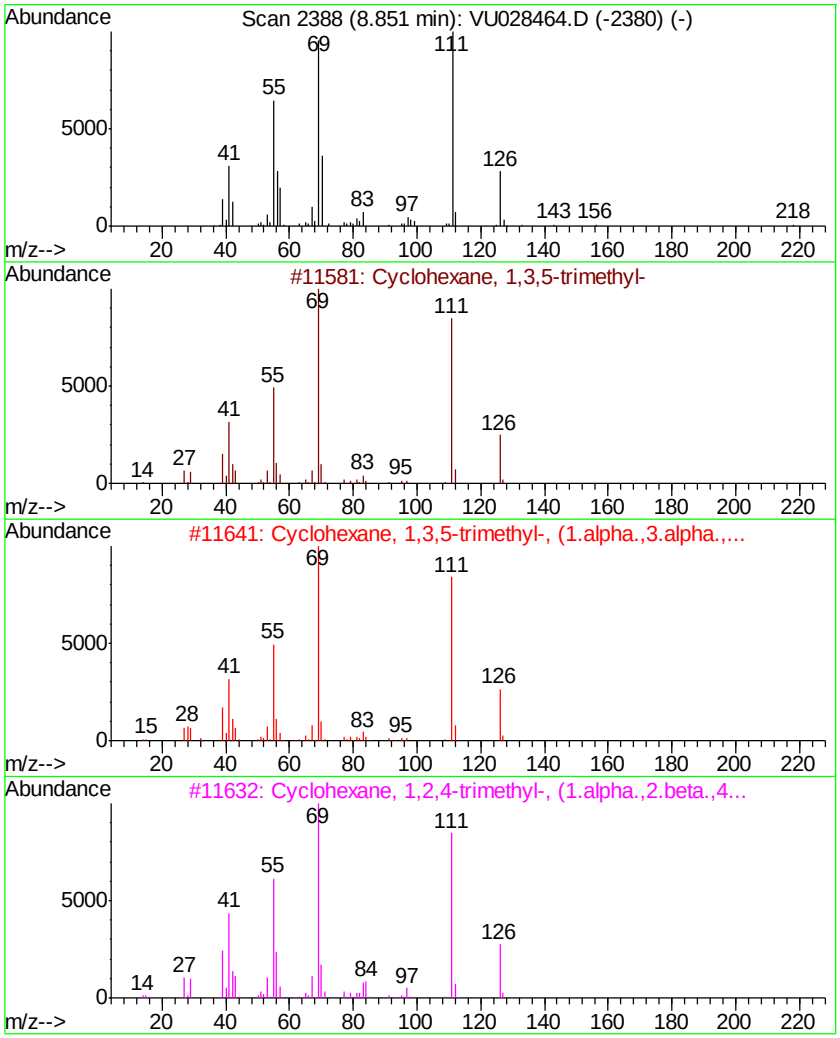
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

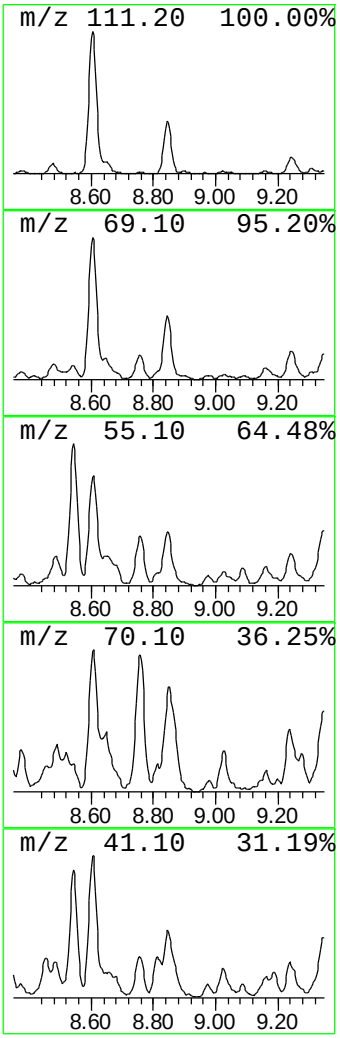
****

Peak Number 19 (DEL) Alkane: Cyclic8.85 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	8.64 ug/L	337527	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

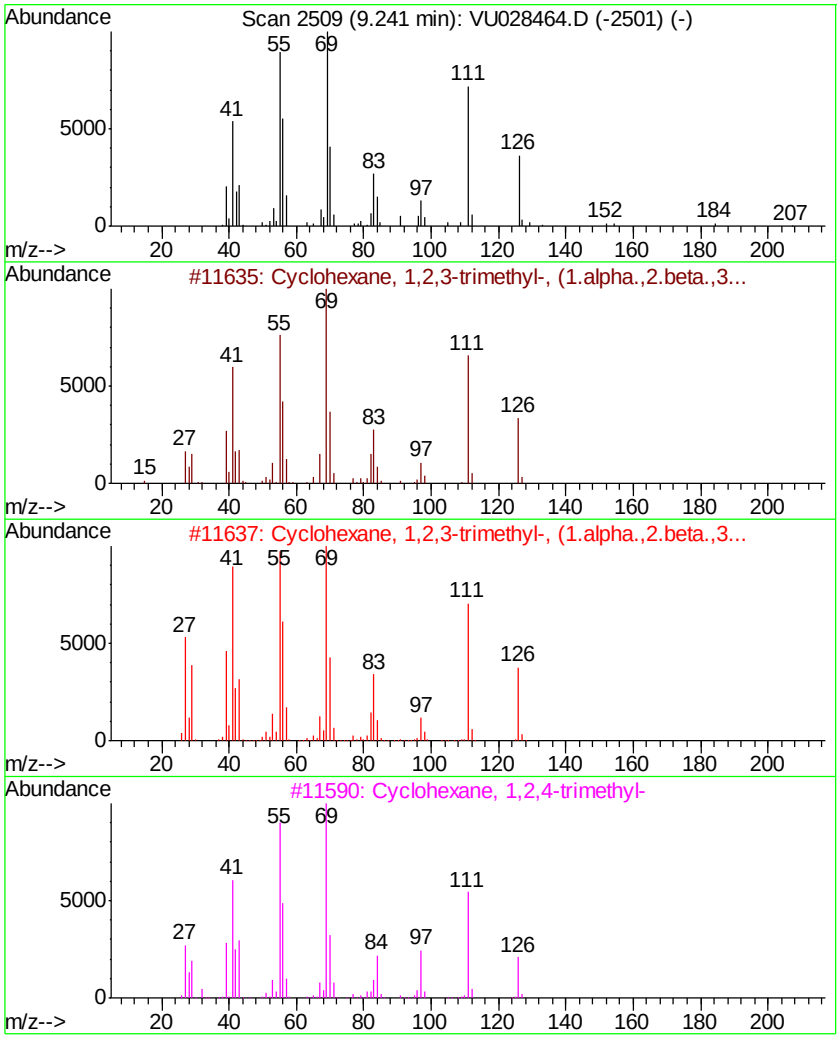
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

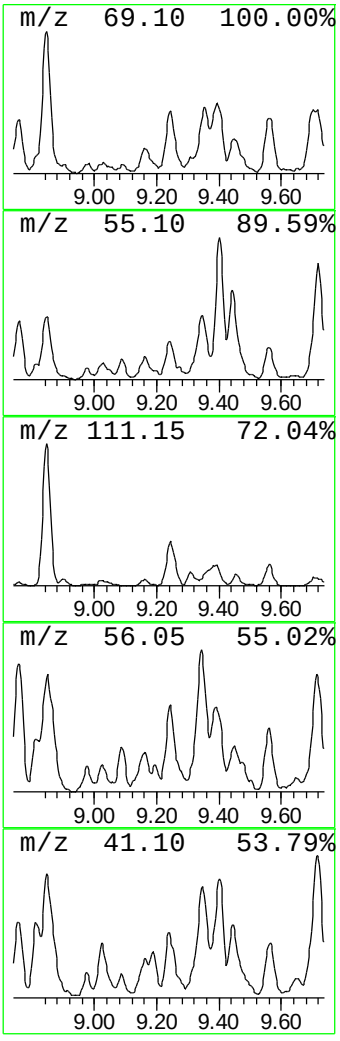
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic9.24 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	3.32 ug/L	129710	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	95
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
4	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	81
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

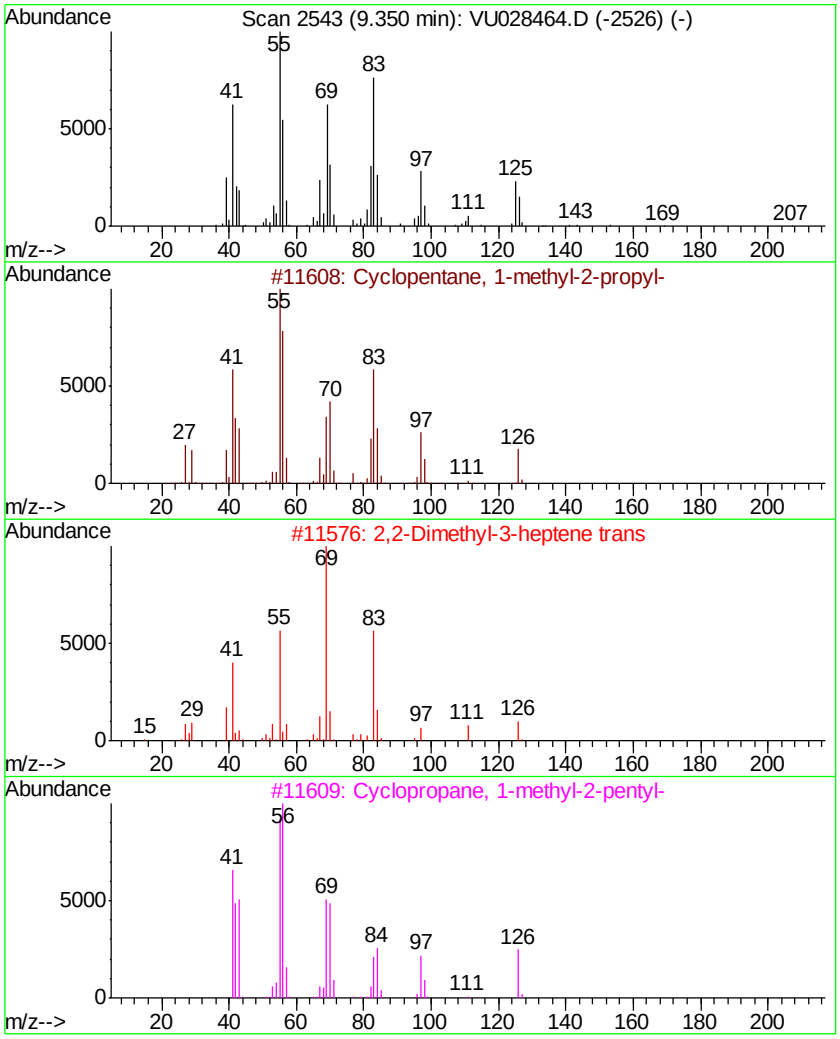
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

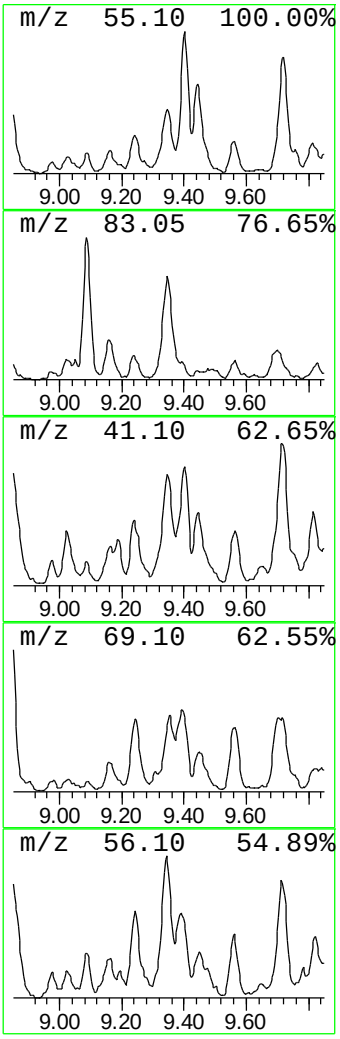
****

Peak Number 21 (DEL) Alkane: Cyclic9.35 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	6.78 ug/L	264729	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	55
2	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	49
3	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	38
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	38
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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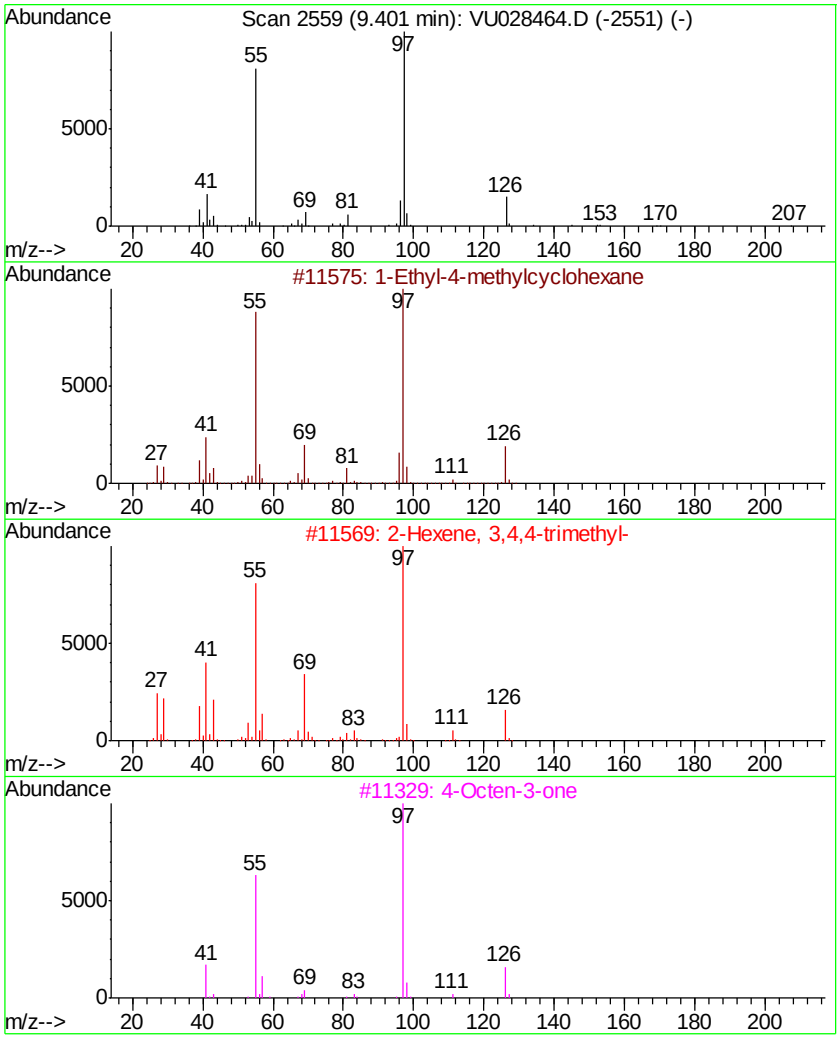
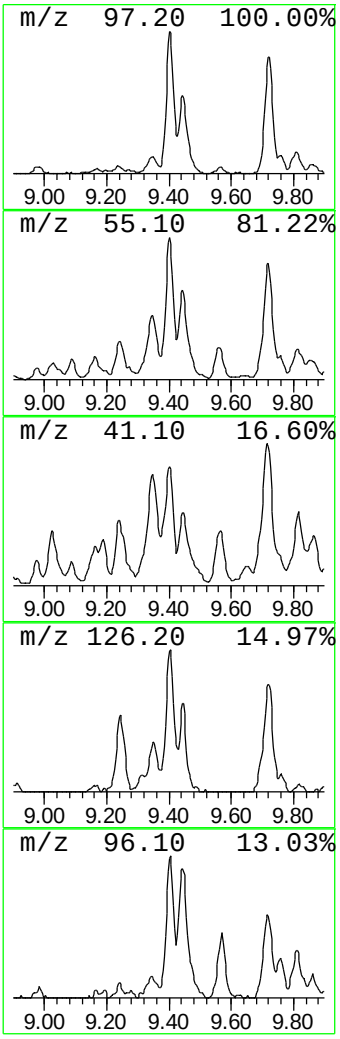
Peak Number 22 (DEL) Alkane: Cyclic9.40 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	7.31 ug/L	285511	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	78
3	4-Octen-3-one	126	C8H14O	014129-48-7	72
4	Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	72
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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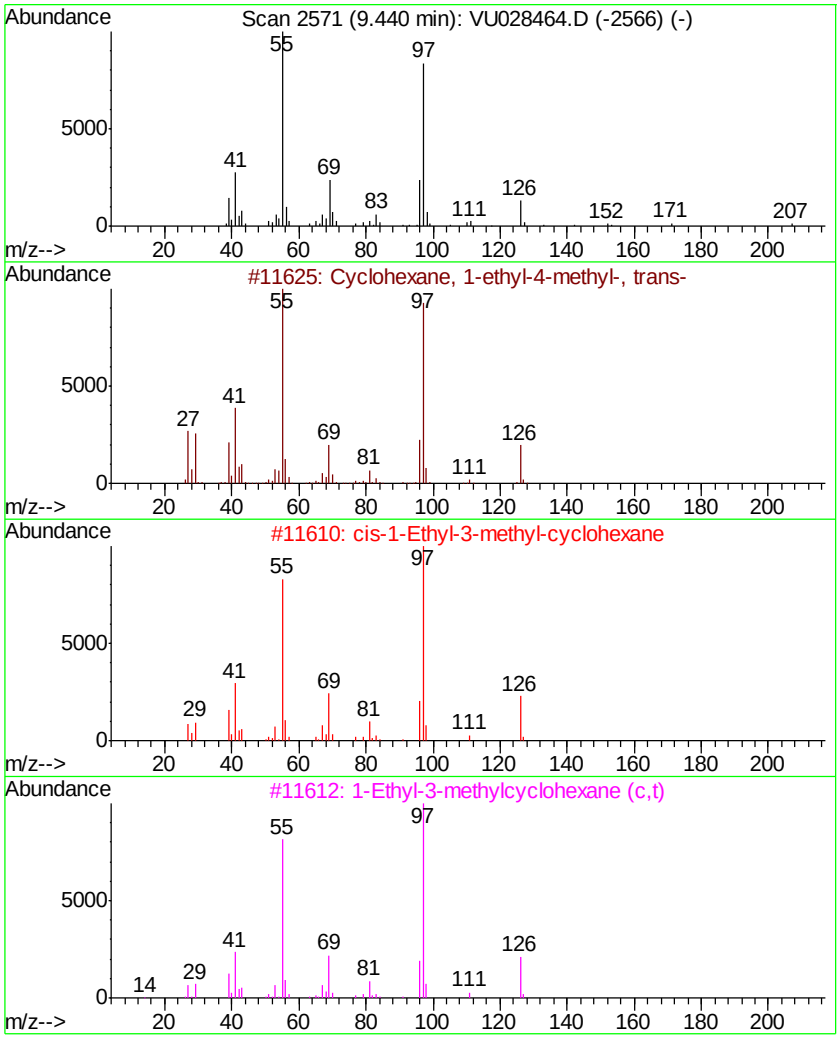
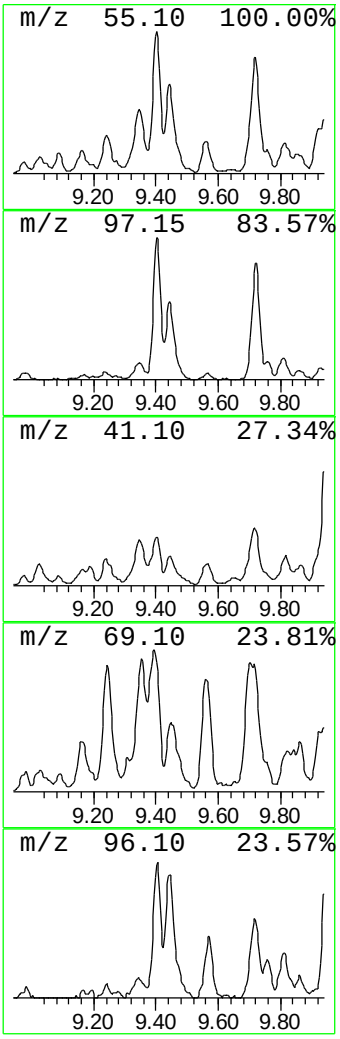
Peak Number 23 (DEL) Alkane: Cyclic9.44 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	5.89 ug/L	230098	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

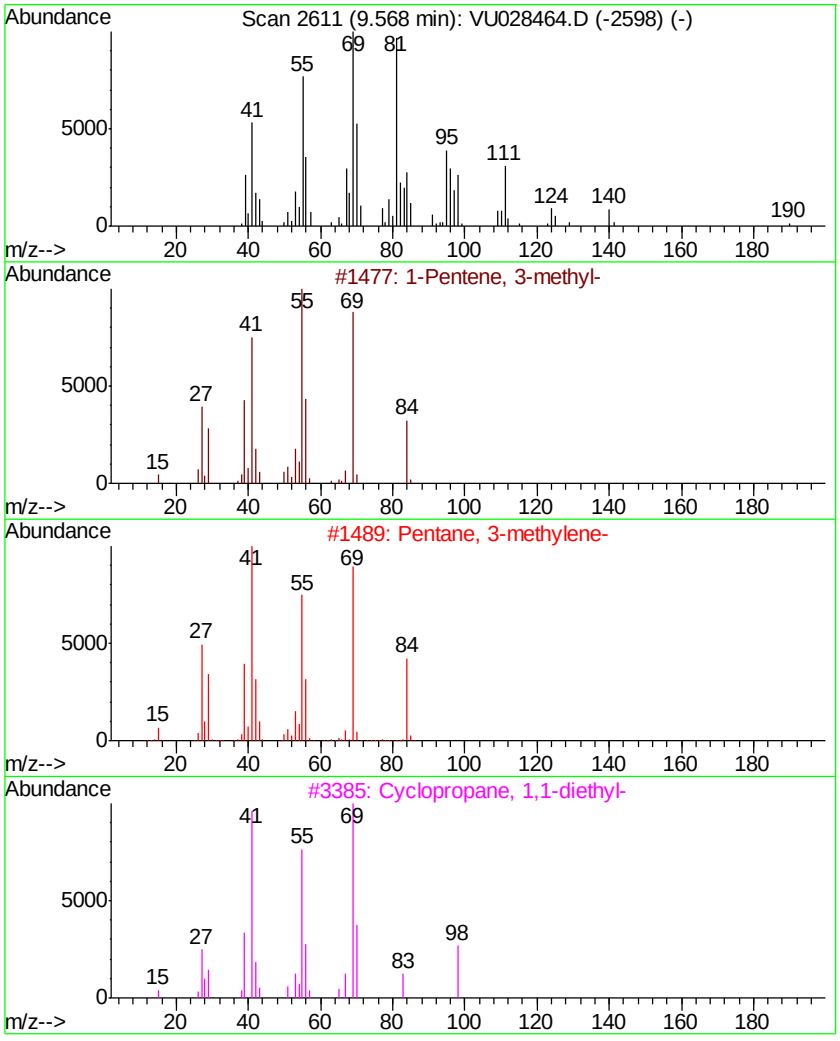
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

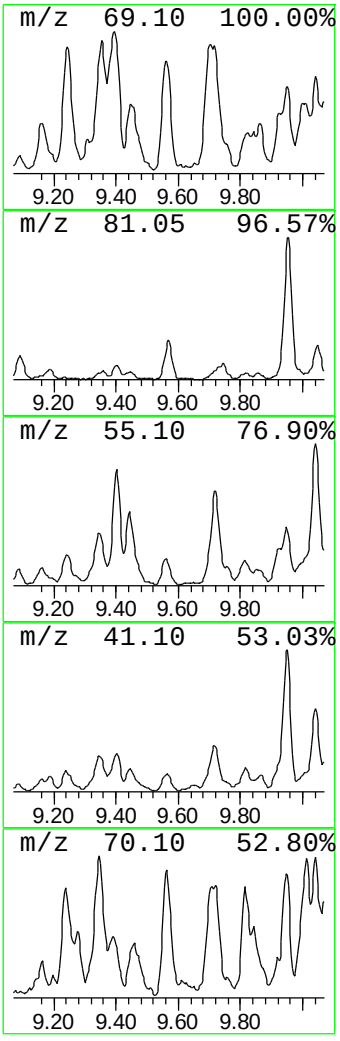
****

Peak Number 24 (DEL) Alkane: Cyclic9.57 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	4.12 ug/L	161085	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	38
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	30
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

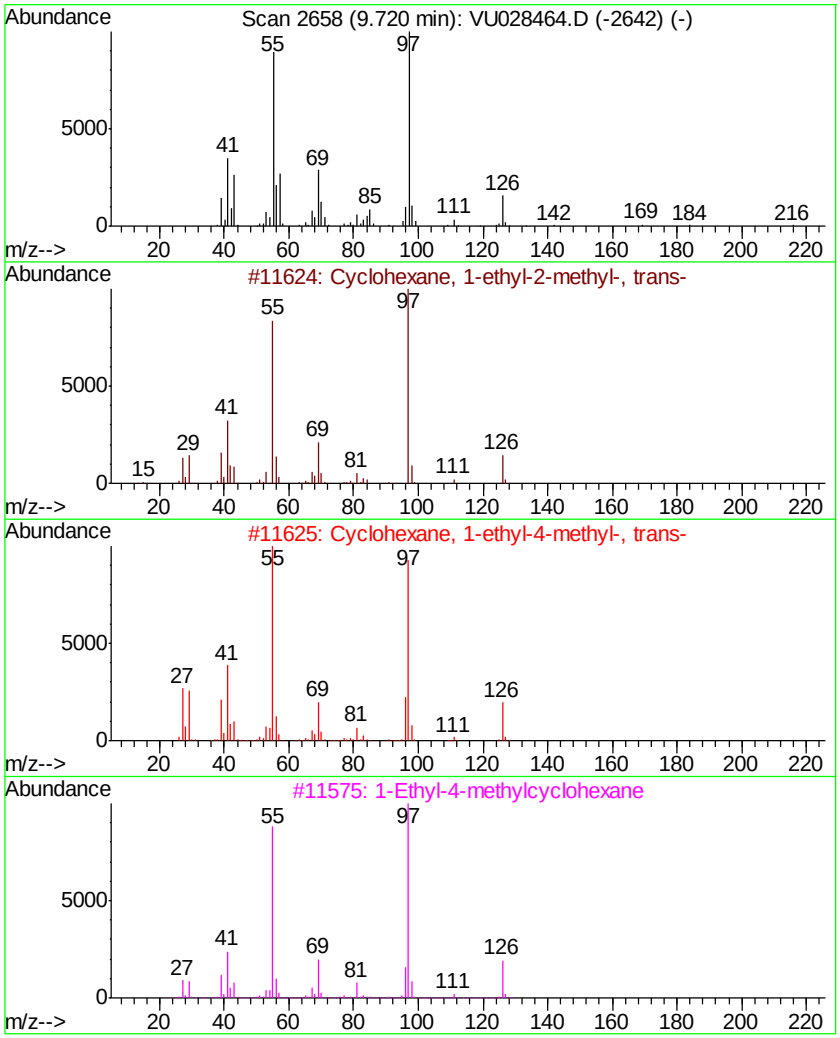
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

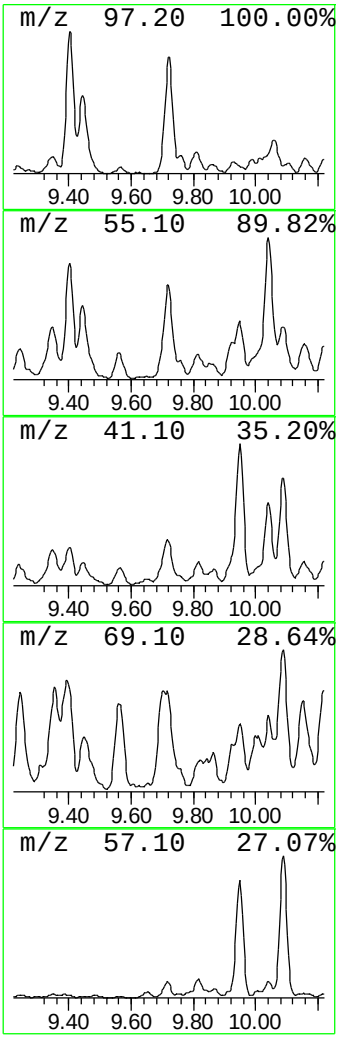
****

Peak Number 25 (DEL) Alkane: Cyclic9.72 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	9.90 ug/L	386895	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

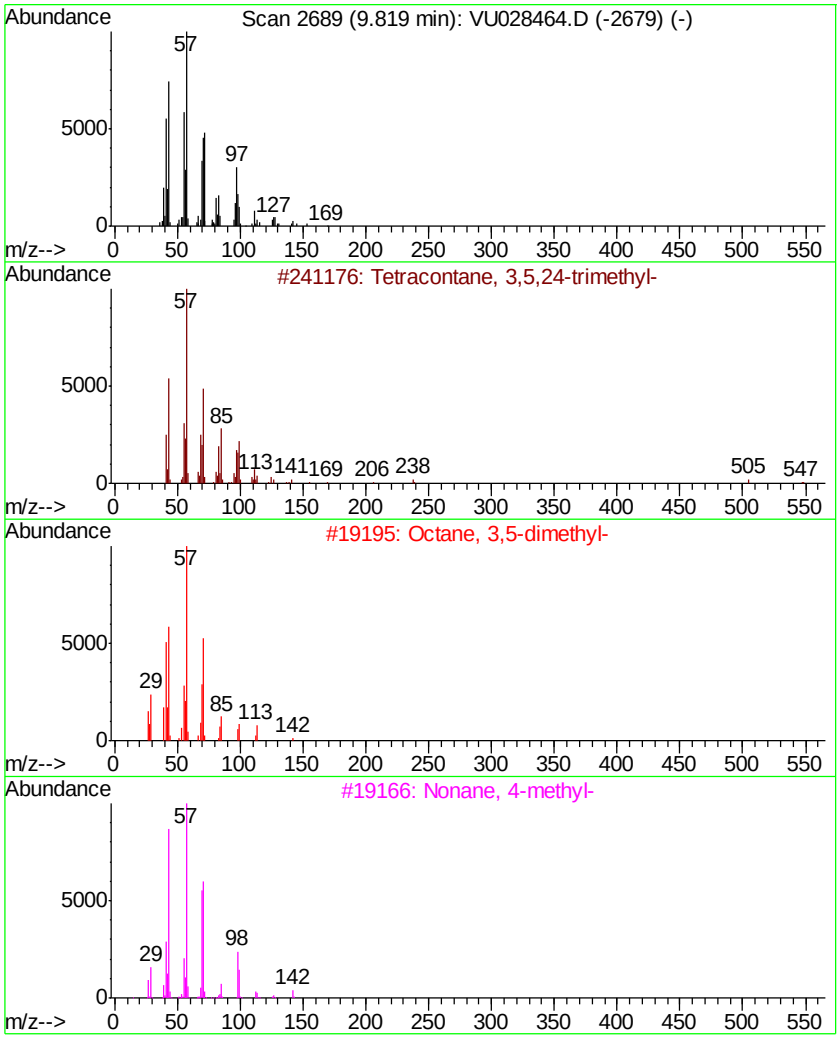
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

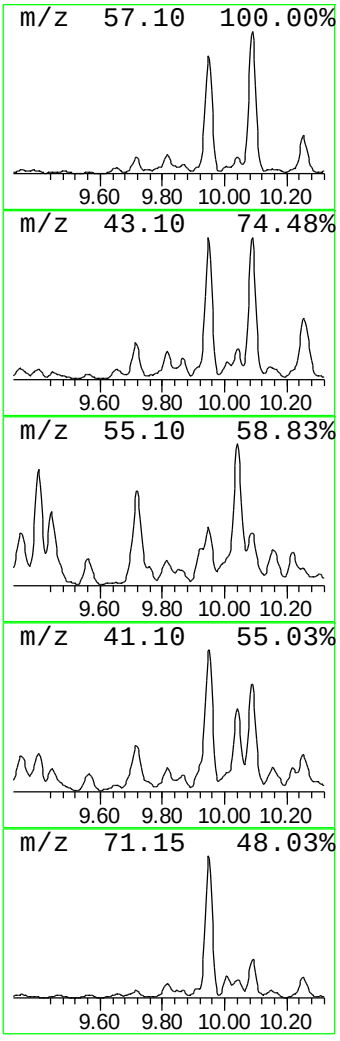
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	2.59 ug/L	101131	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	53
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	52
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	52
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

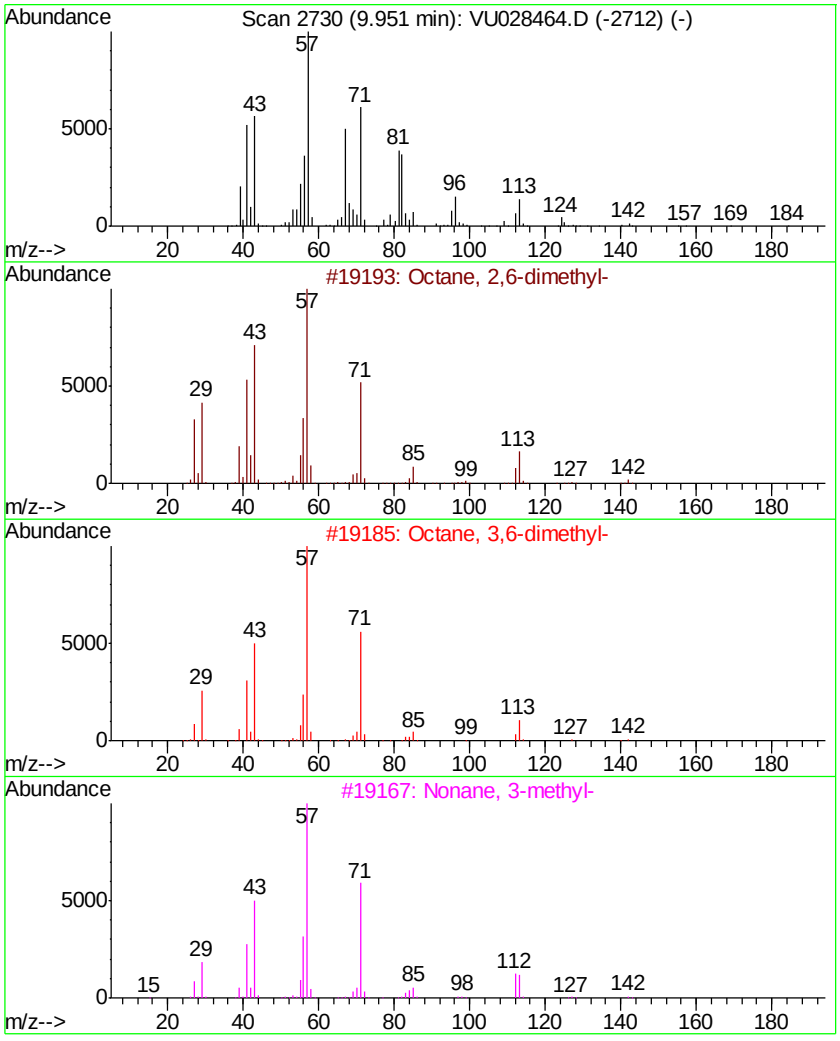
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

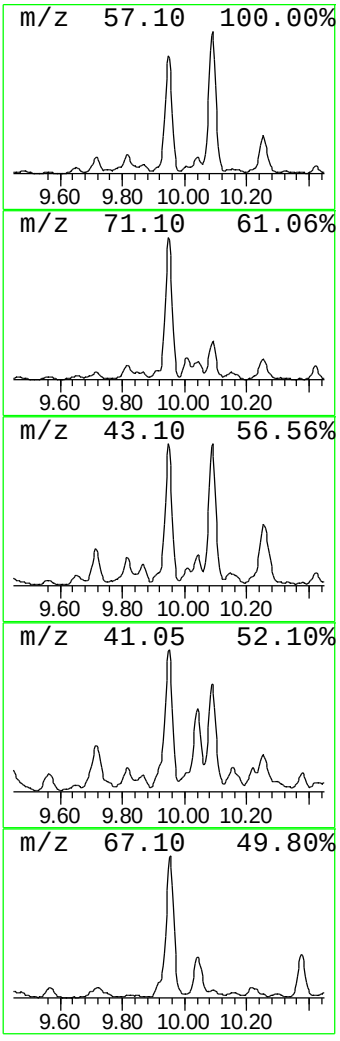
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	23.76 ug/L	928304	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	55
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	50
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

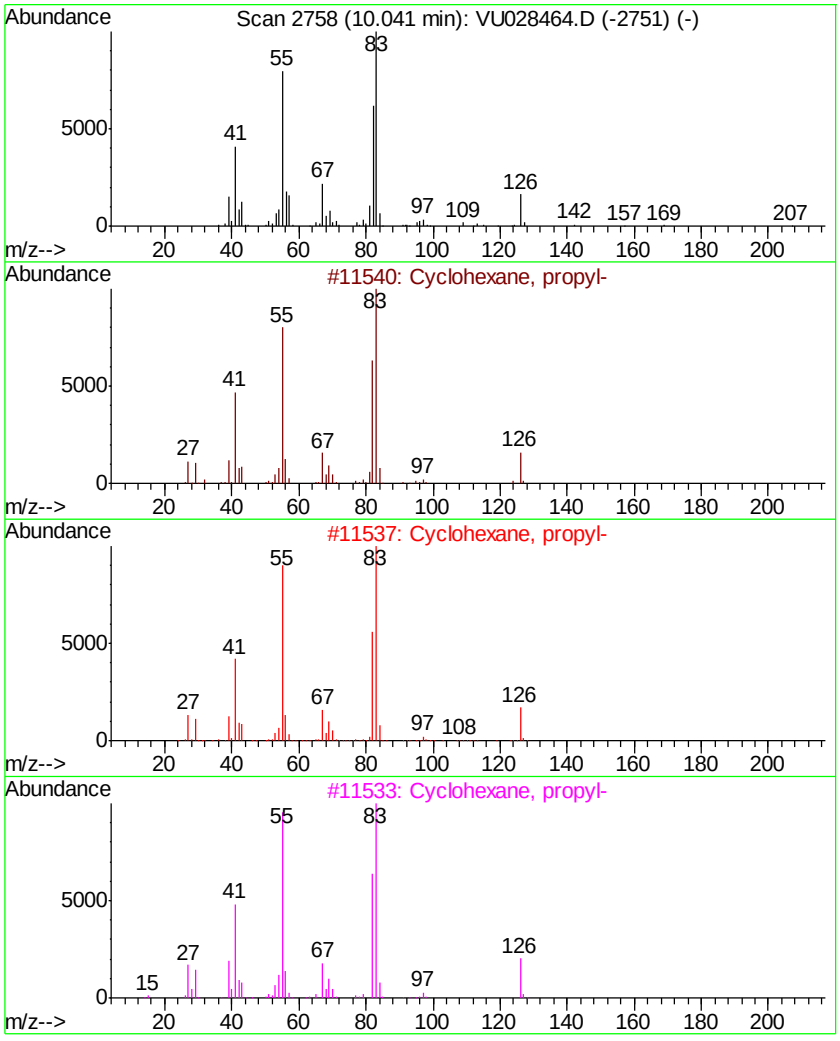
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

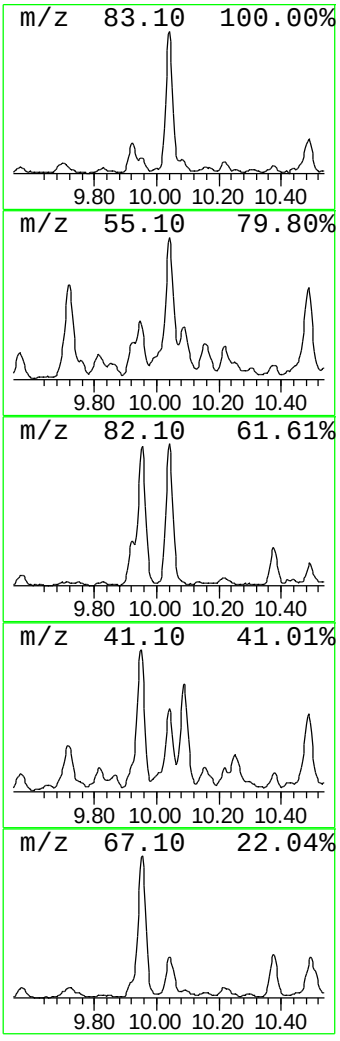
****

Peak Number 28 (DEL) Alkane: Cyclic10.04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	7.77 ug/L	303677	Chlorobenzene-d5	9.09

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

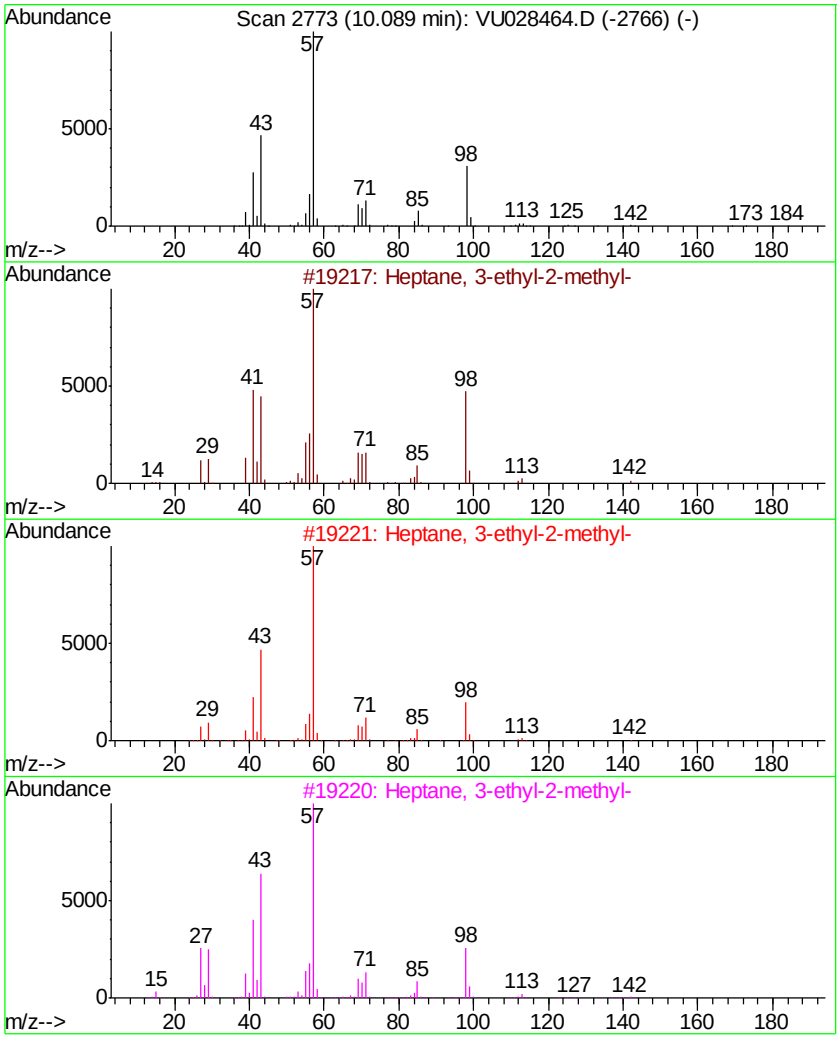
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

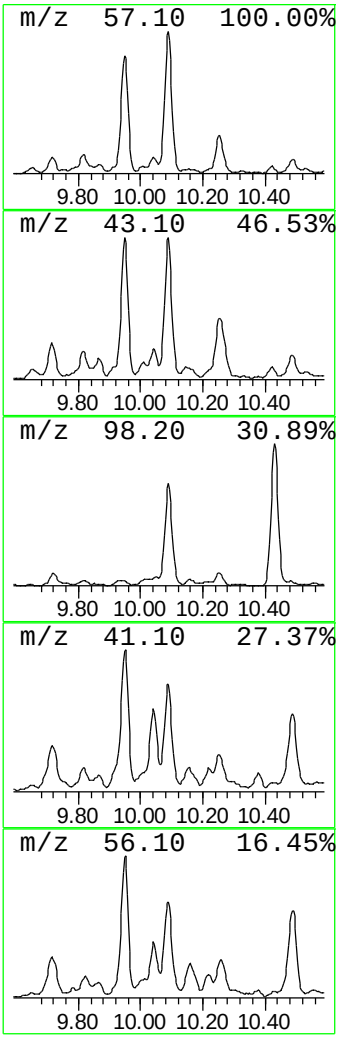
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	13.39 ug/L	523263	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	59





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Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

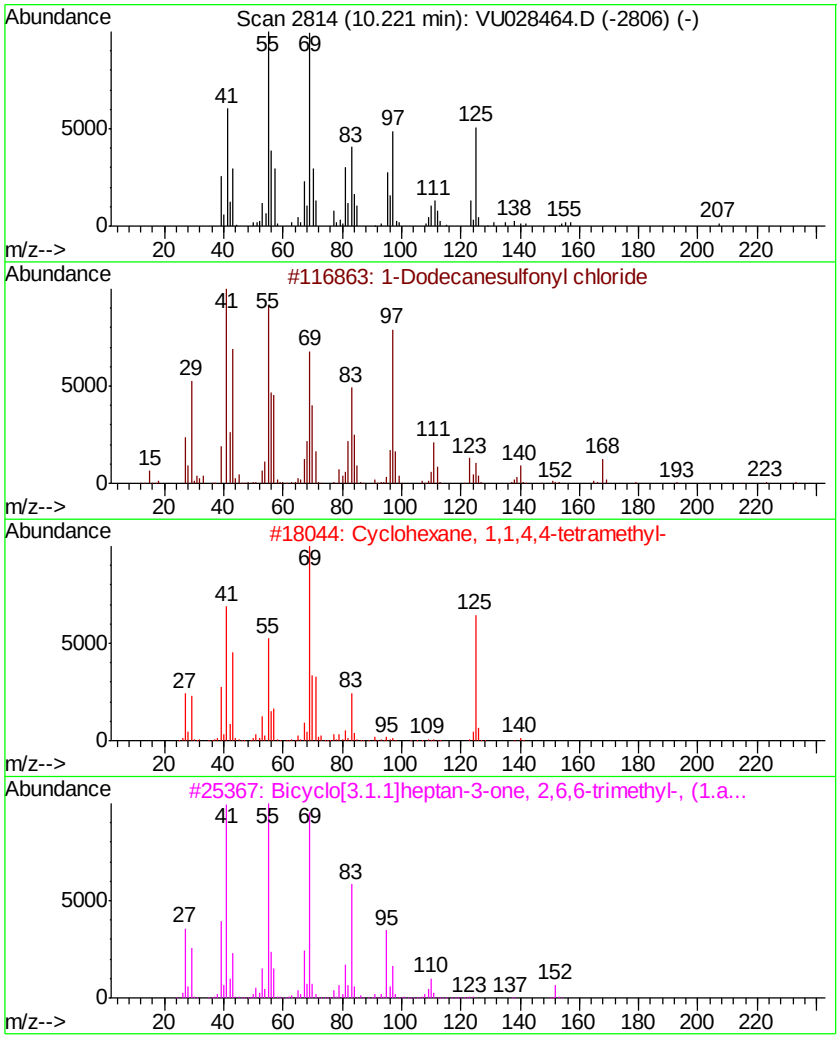
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

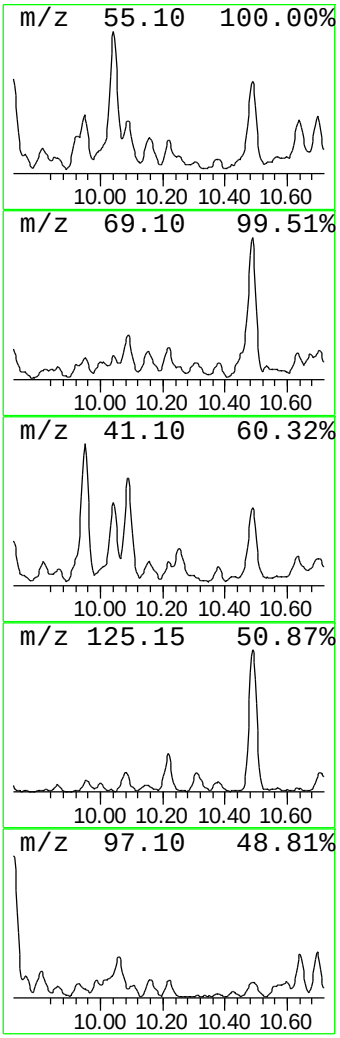
****

Peak Number 30 unknown-02 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	2.67 ug/L	104195	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanesulfonyl chloride	268	C12H25ClO2S	010147-40-7	43
2	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	38
4	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	38
5	Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

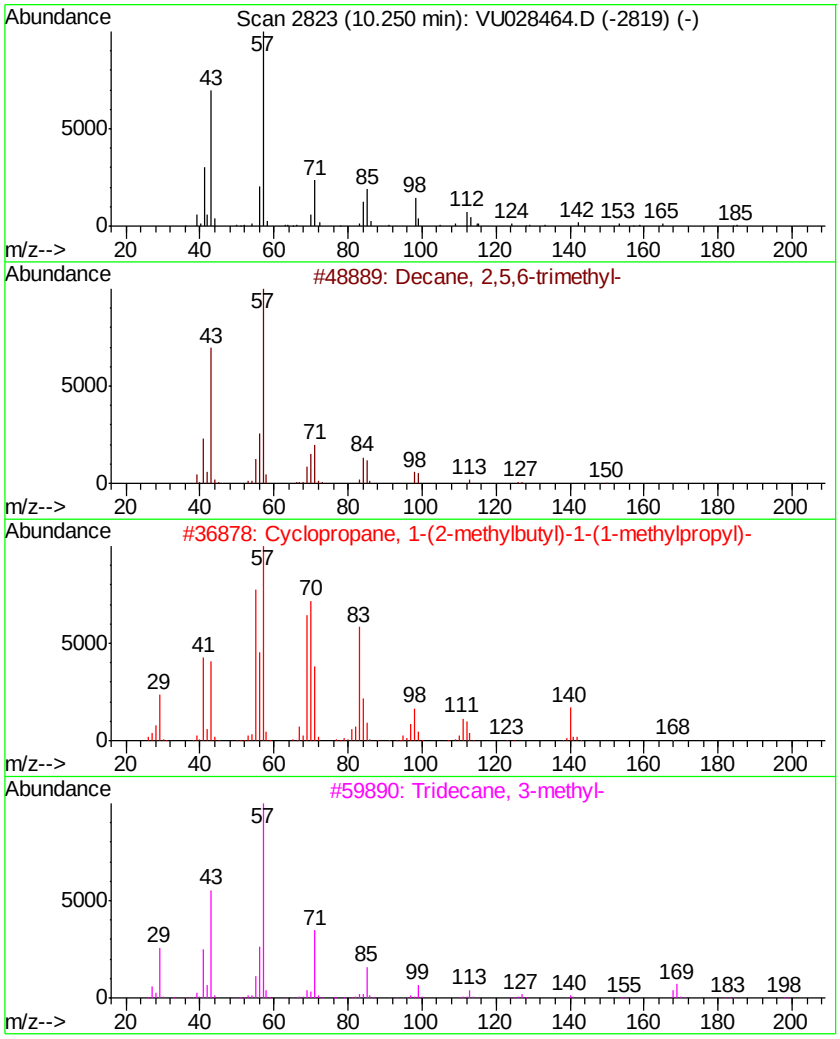
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

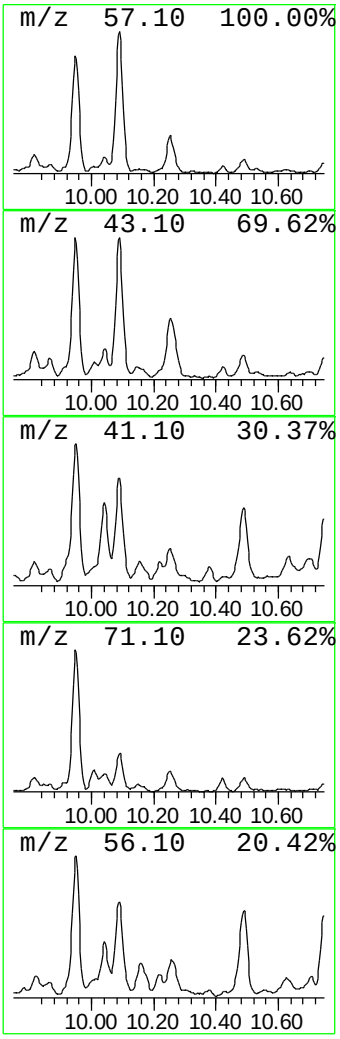
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	3.69 ug/L	144246	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	72
2	Cyclopropane, 1-(2-methylbutyl)-...	168	C12H24	064723-36-0	59
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5	Decane, 5-methyl-	156	C11H24	013151-35-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

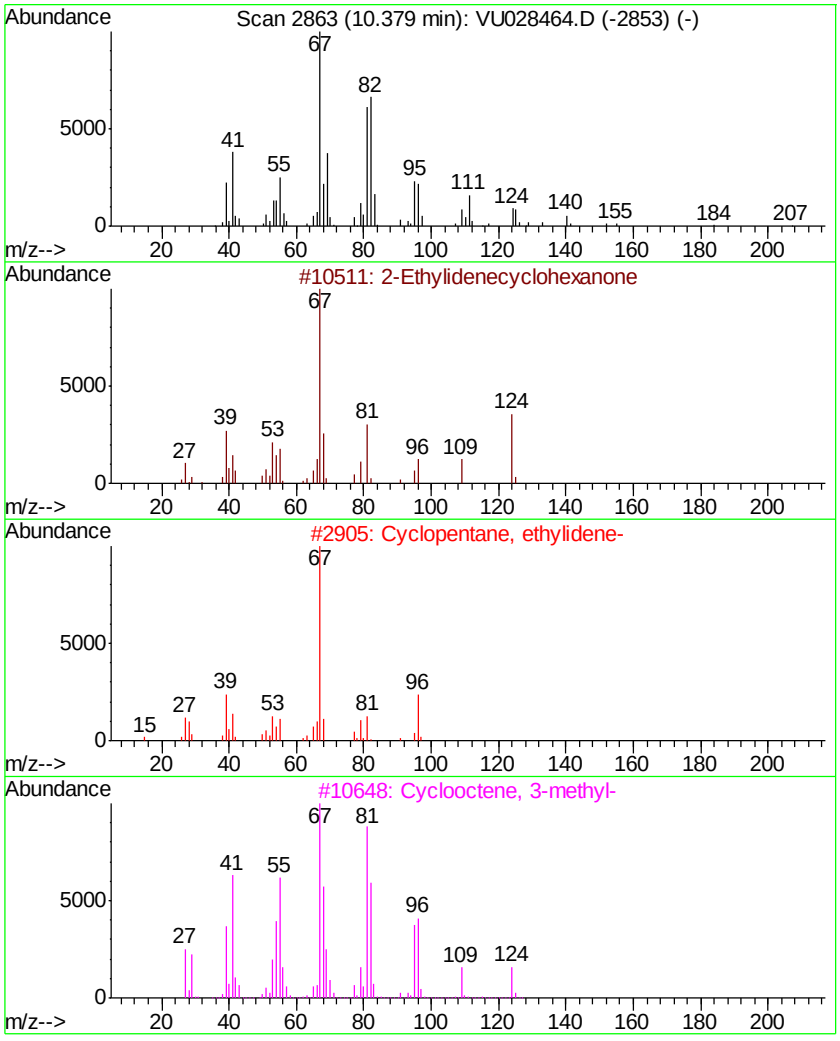
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

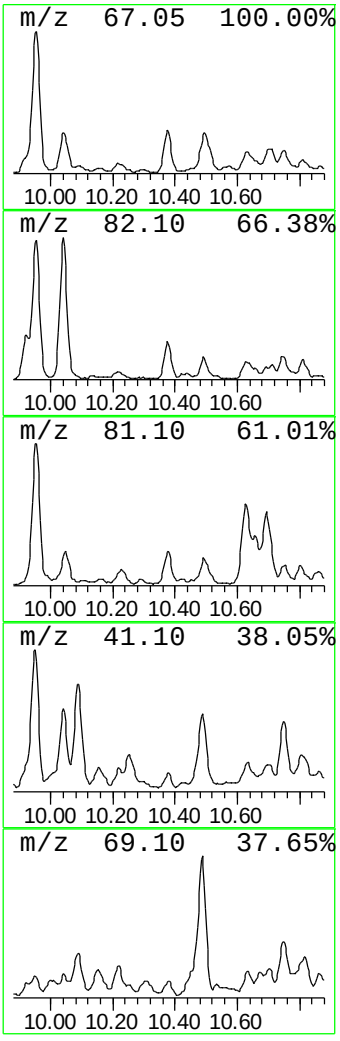
****

Peak Number 32 2-Ethylidenecyclohexanone Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.52 ug/L	106869	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	53
2	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	43
3	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	43
4	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	43
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

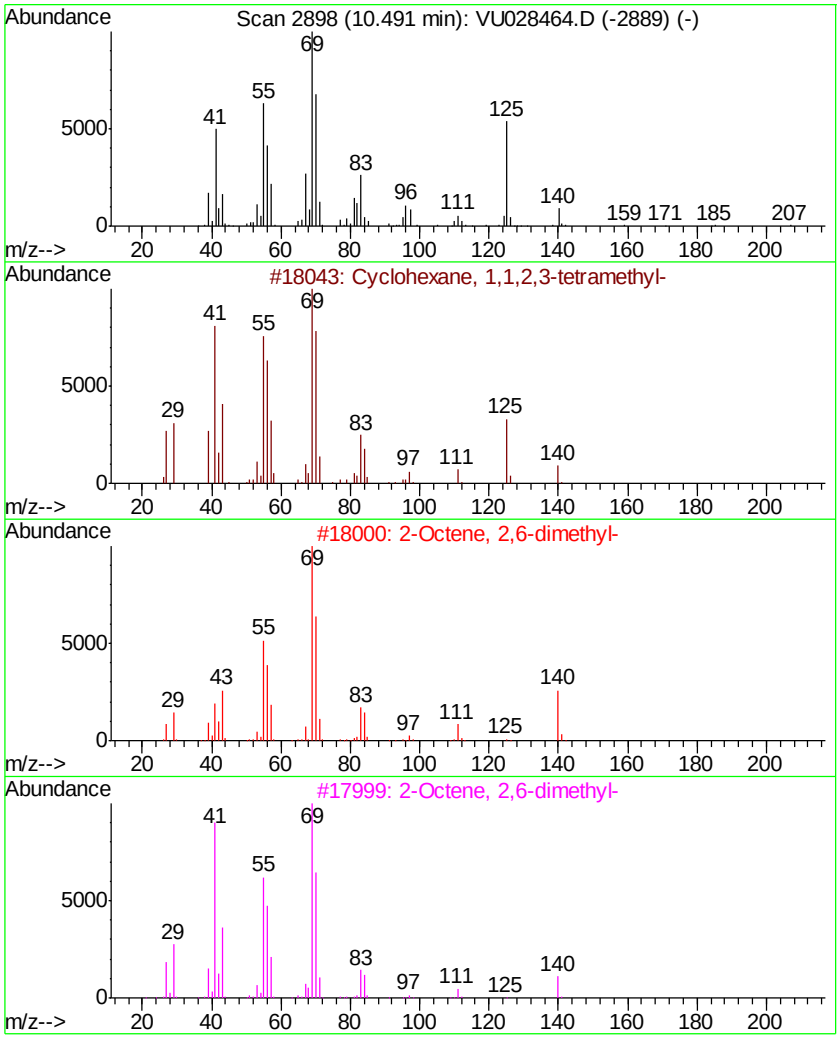
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

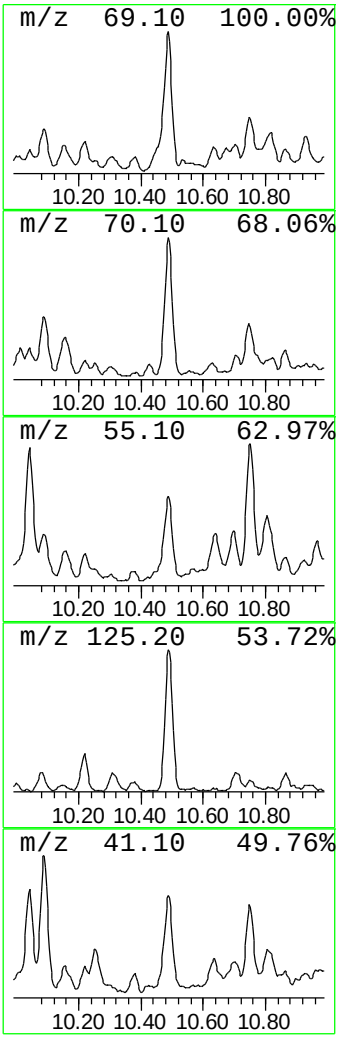
****

Peak Number 33 (DEL) Alkane: Cyclic10.49 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	12.09 ug/L	513501	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	90
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
5	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

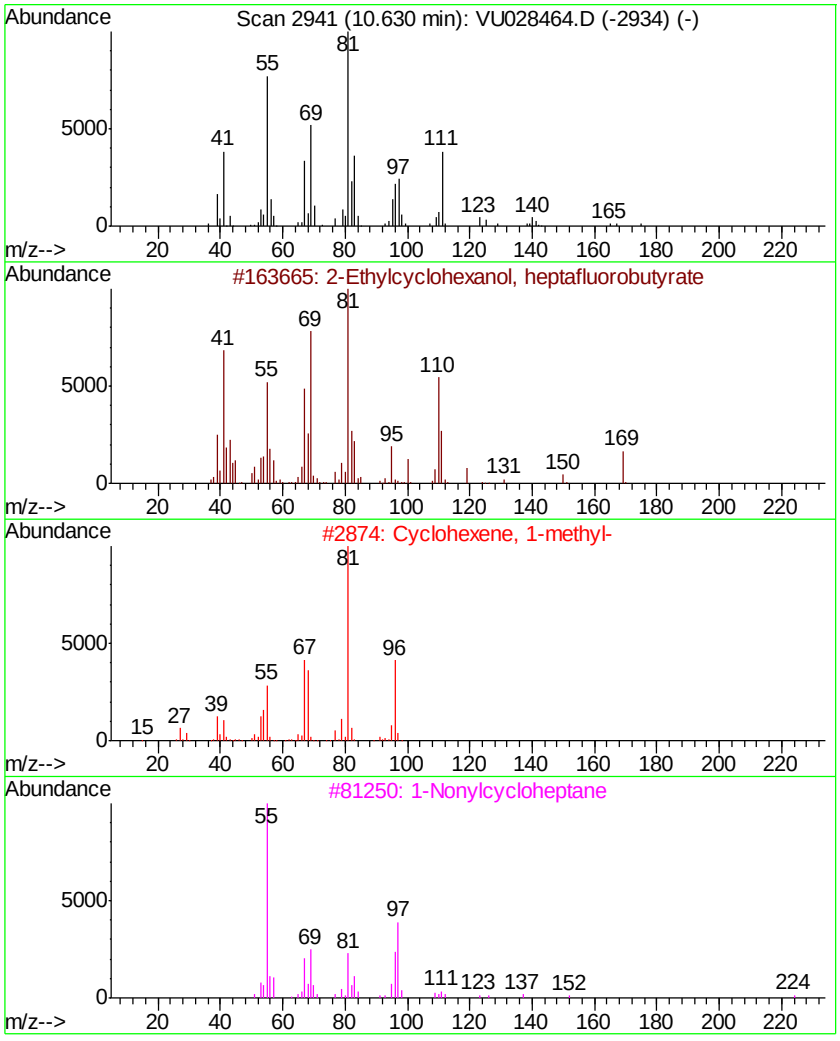
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

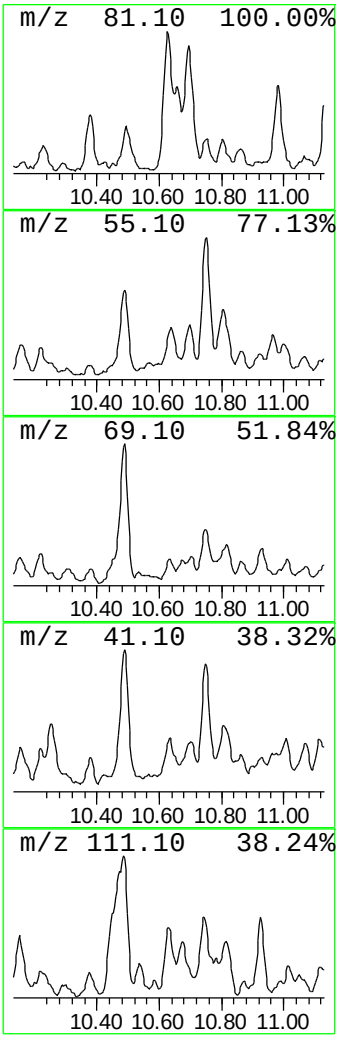
****

Peak Number 34 unknown-03 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	4.08 ug/L	173236	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylcyclohexanol, heptafluoro...	324	C12H15F7O2	959079-92-6	43
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
3	1-Nonylcycloheptane	224	C16H32	1000371-47-7	27
4	2-n-Heptylfuran	166	C11H18O	003777-71-7	22
5	1-Cyclohexylnonene	208	C15H28	114614-84-5	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

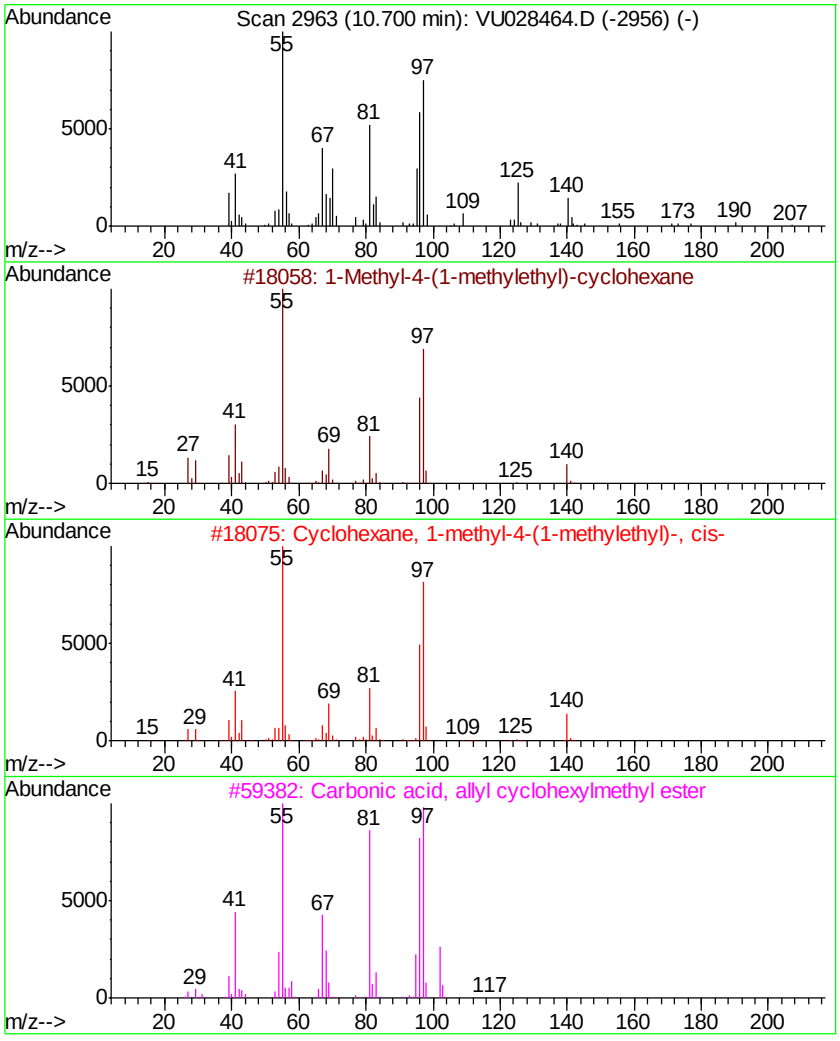
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

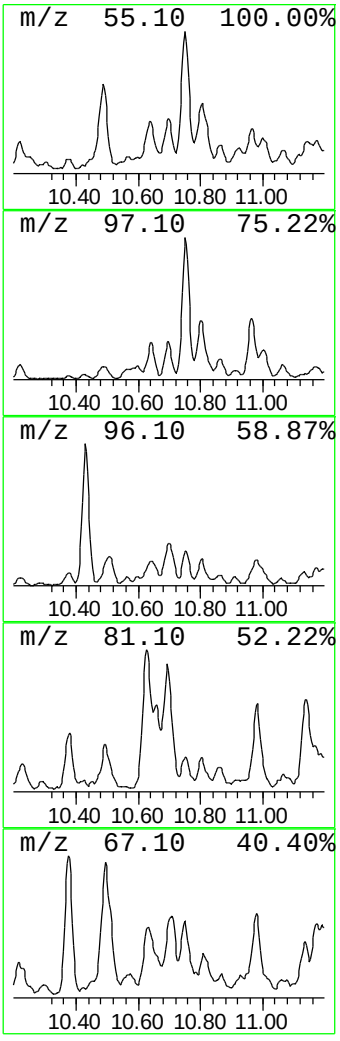
****

Peak Number 35 (DEL) Alkane: Cyclic10.70 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	3.46 ug/L	147093	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	62
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
3	Carbonic acid, allyl cyclohexylm...	198	C11H18O3	1000357-80-7	59
4	Carbonic acid, neopentyl cyclohe...	228	C13H24O3	1000357-85-8	59
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

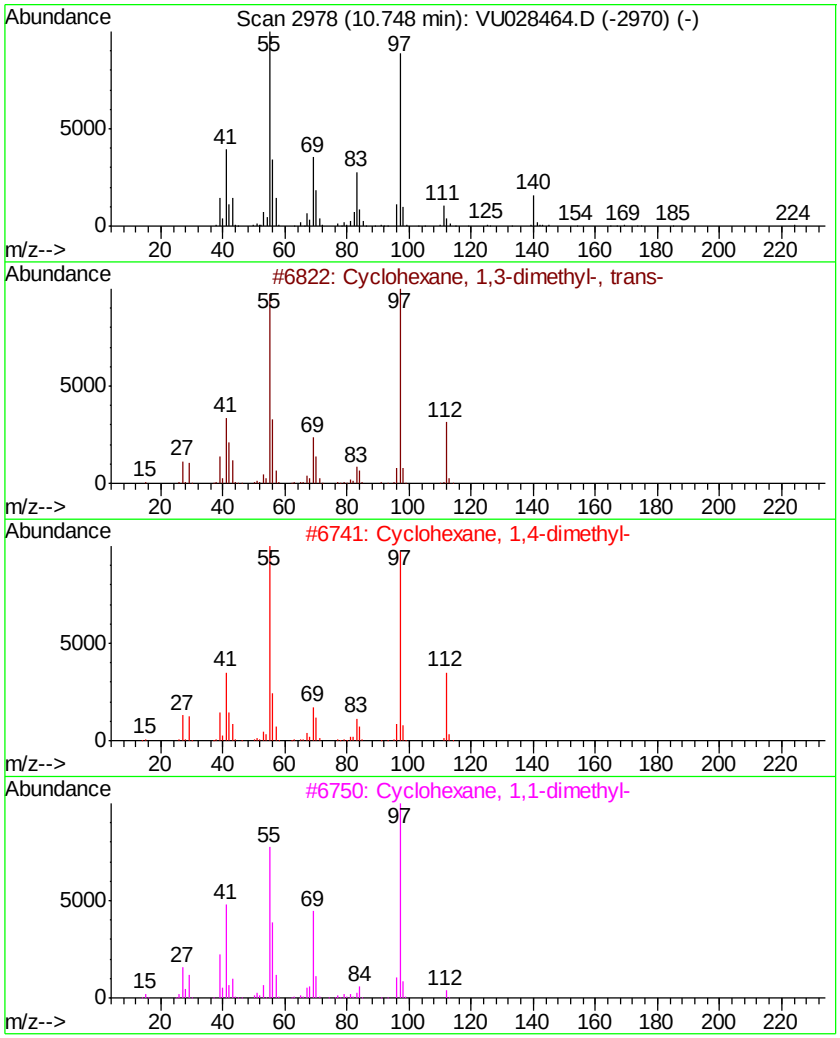
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

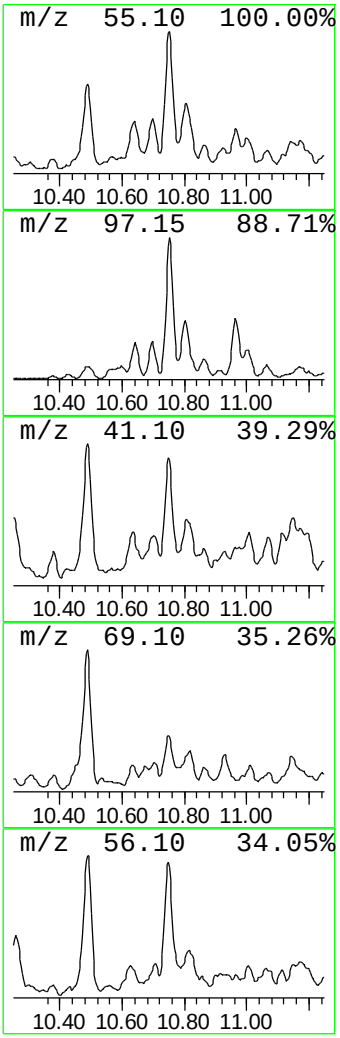
****

Peak Number 36 (DEL) Alkane: Cyclic10.75 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	8.59 ug/L	364861	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
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-, trans-	112	C8H16	002207-03-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

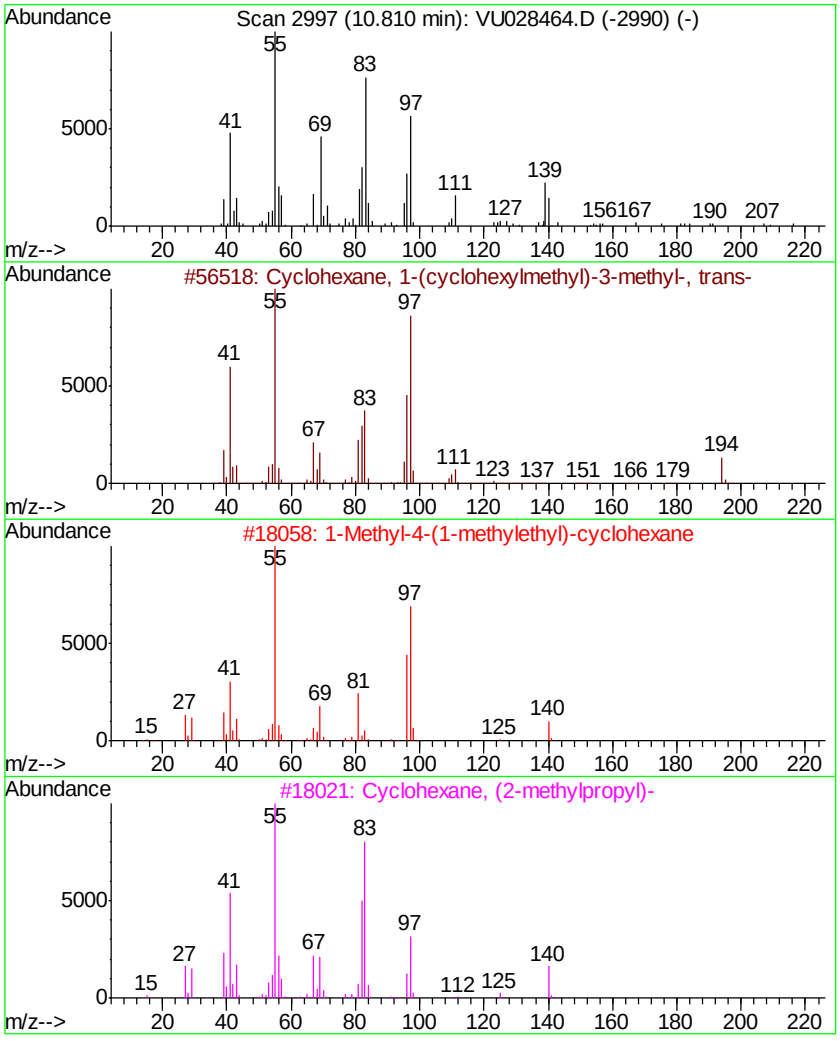
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

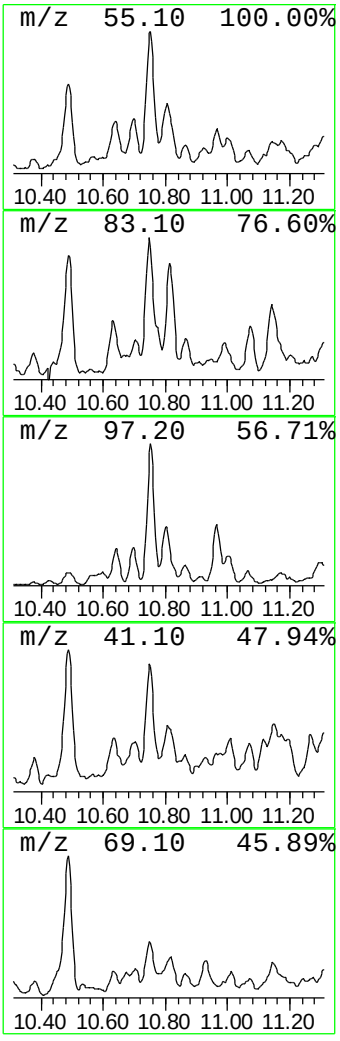
****

Peak Number 37 Cyclohexane, 1-(cyclohexylm... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	3.88 ug/L	164984	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-95-9	50
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	46
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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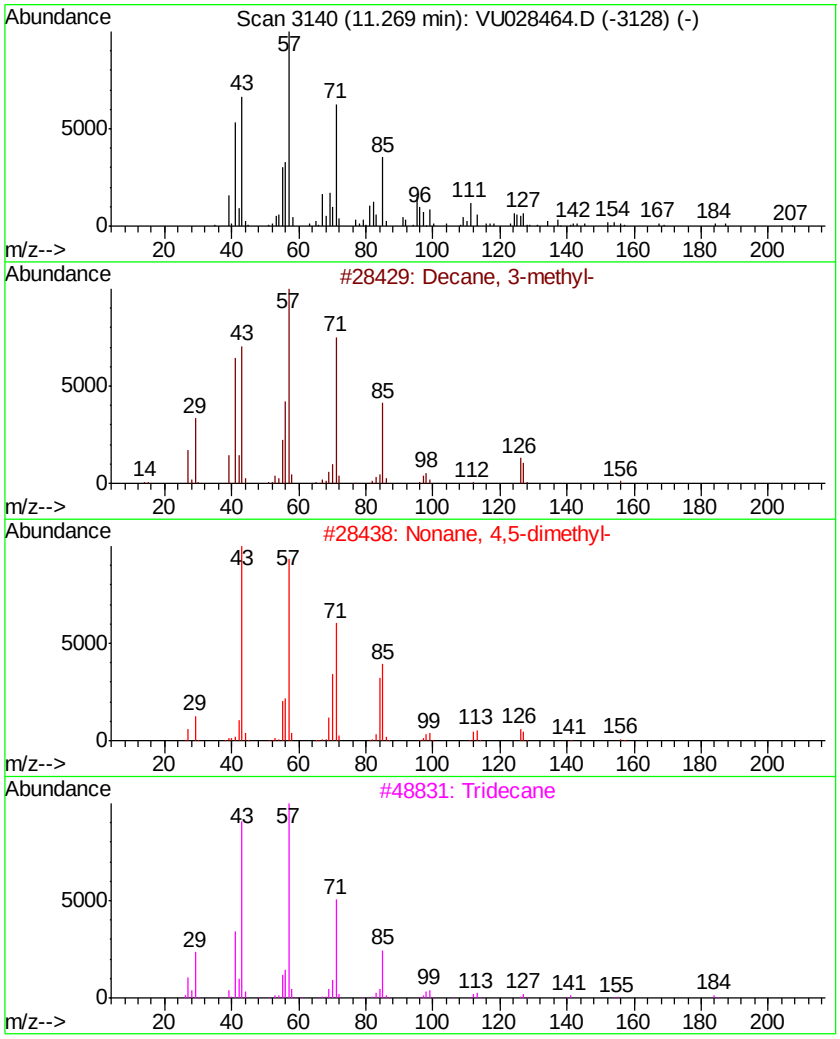
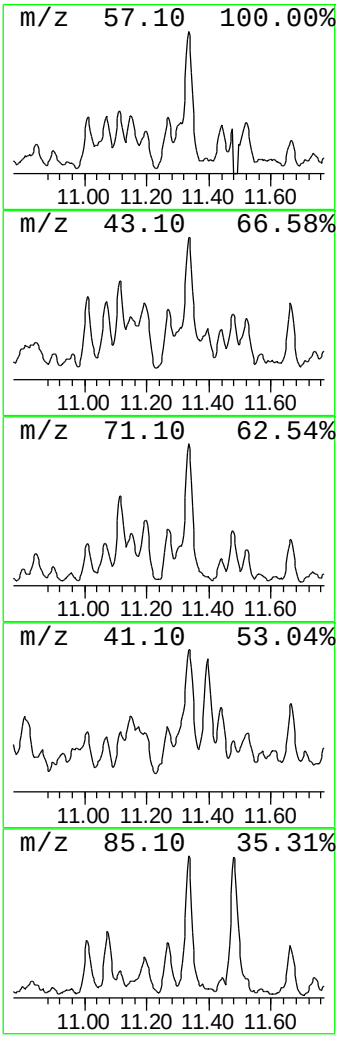
Peak Number 38 (DEL) Alkane: Cyclic11.27 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.83 ug/L	162797	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	64
2	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	53
3	Tridecane	184	C13H28	000629-50-5	49
4	Tridecane	184	C13H28	000629-50-5	49
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

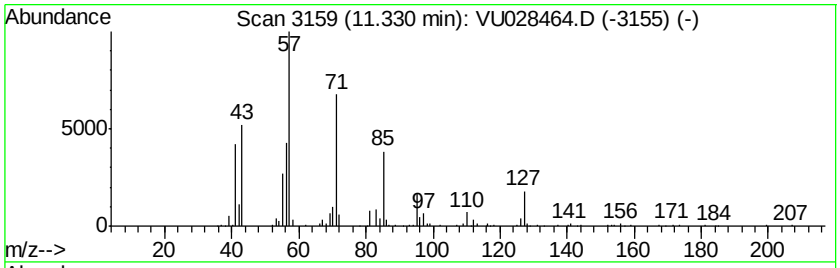
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

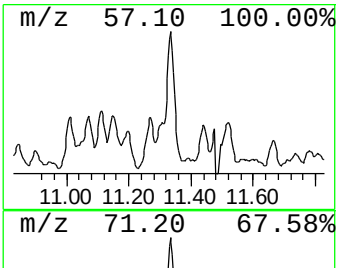
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	6.90 ug/L	293128	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
4	1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	50
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

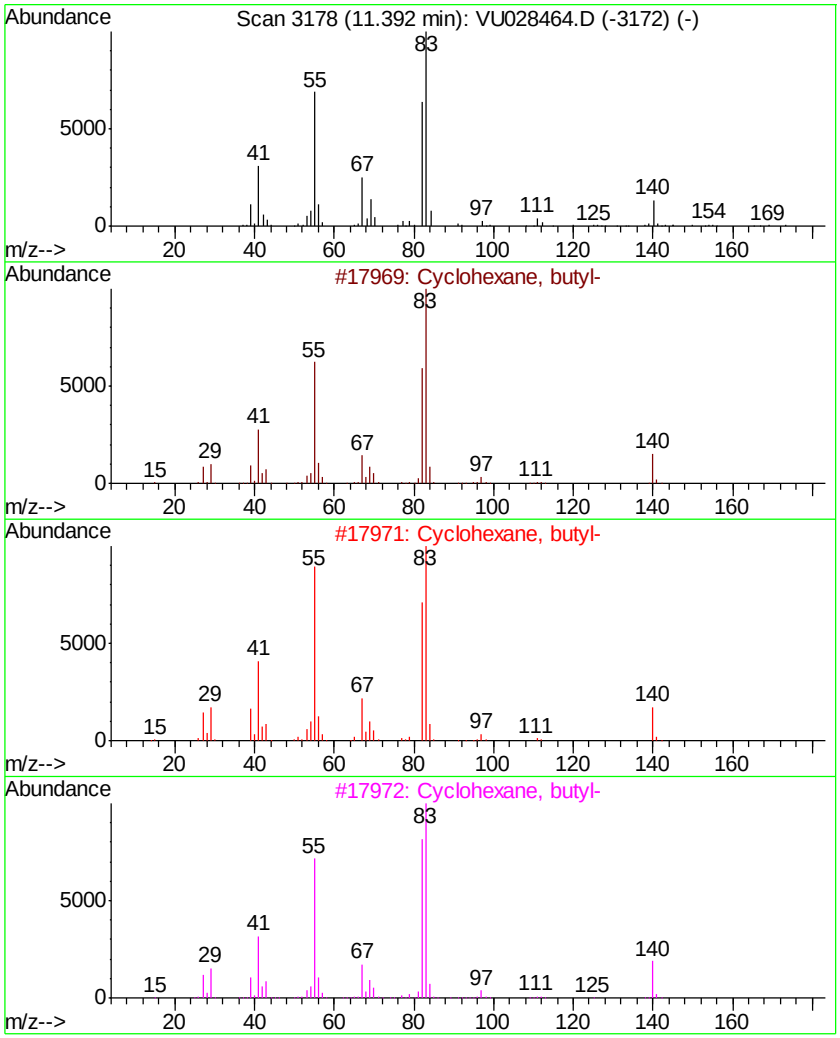
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

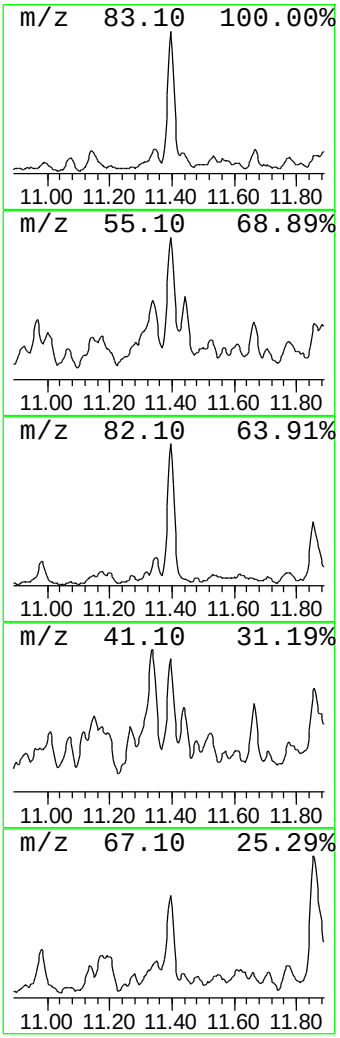
****

Peak Number 40 (DEL) Alkane: Cyclic11.39 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	6.20 ug/L	263329	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	86
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

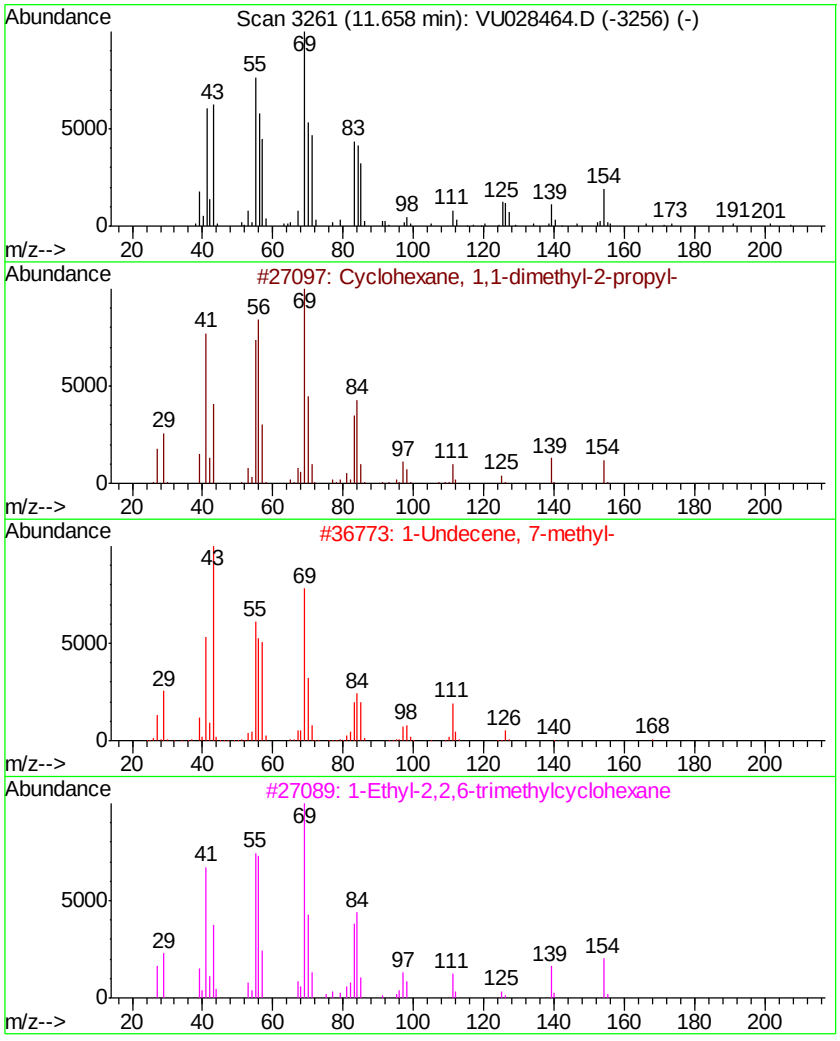
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

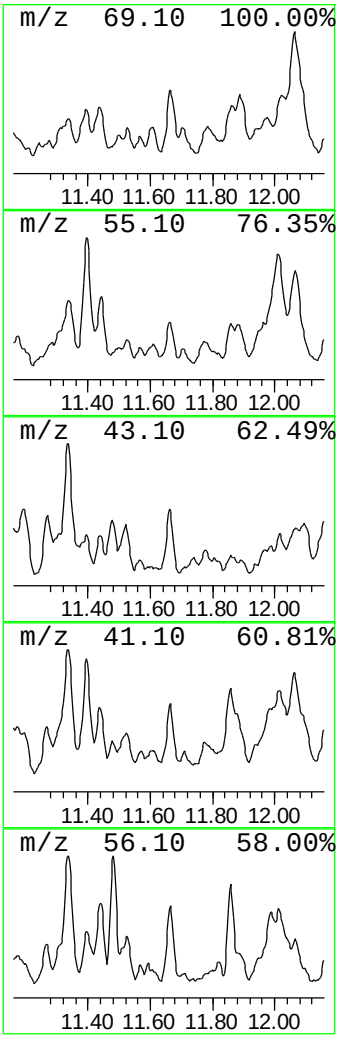
****

Peak Number 41 (DEL) Alkane: Cyclic11.66 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.29 ug/L	139665	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	89
2	1-Undecene, 7-methyl-	168	C12H24	074630-42-5	59
3	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	53
4	3-Undecene, (E)-	154	C11H22	001002-68-2	52
5	Dichloroacetic acid, nonyl ester	254	C11H20Cl2O2	083004-99-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

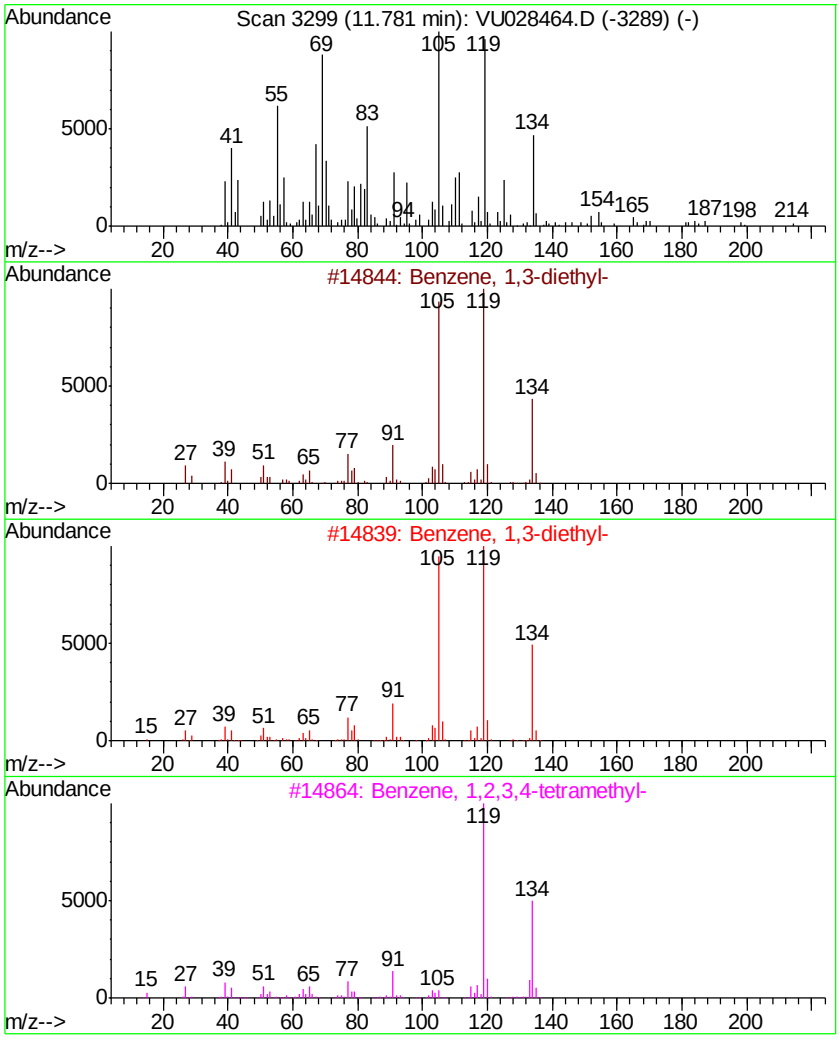
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

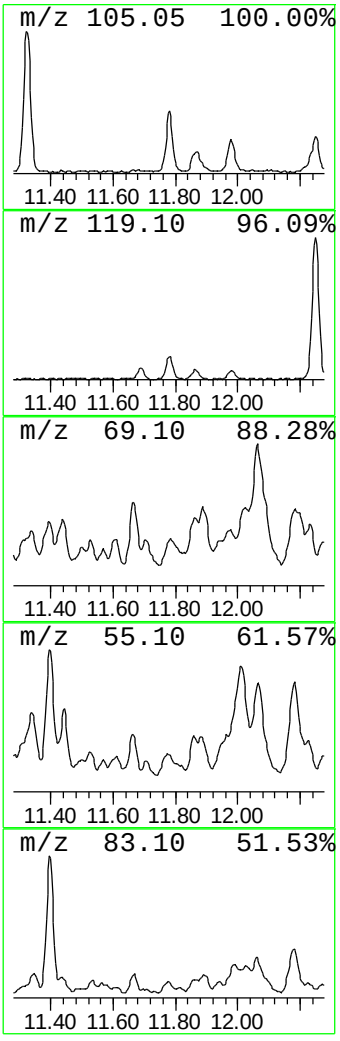
****

Peak Number 42 Benzene, 1,3-diethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.07 ug/L	172830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	64
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	35
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	35
4	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	35
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

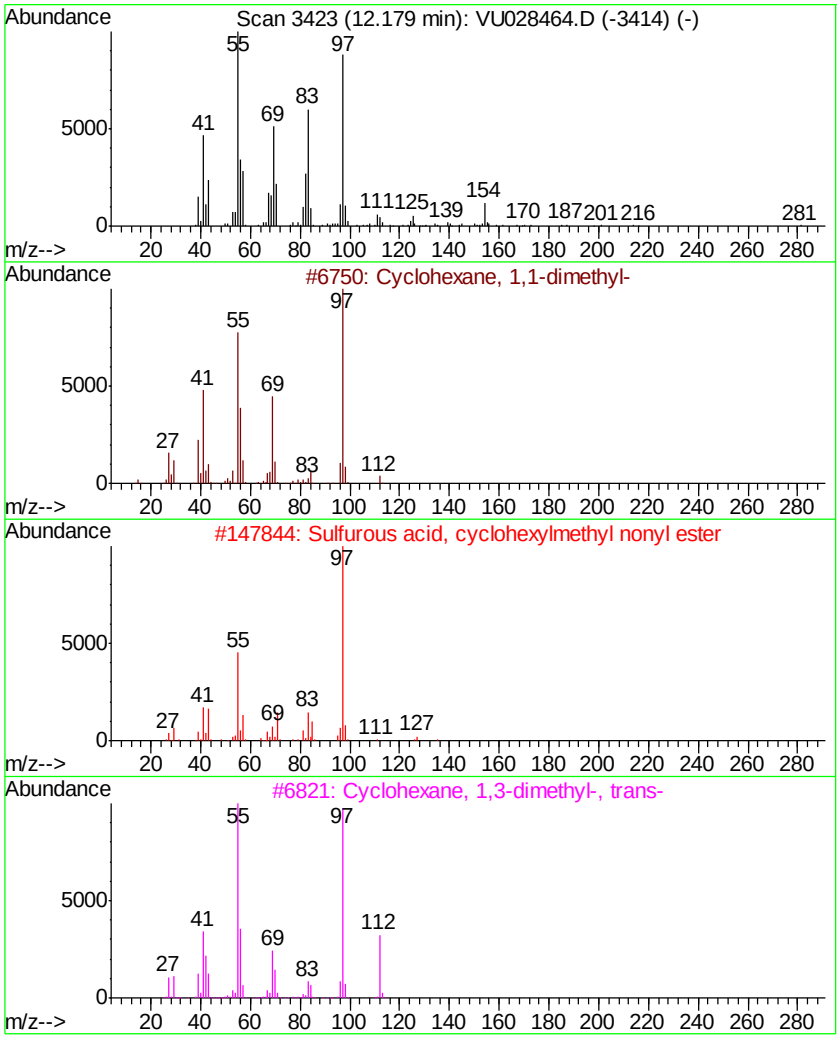
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

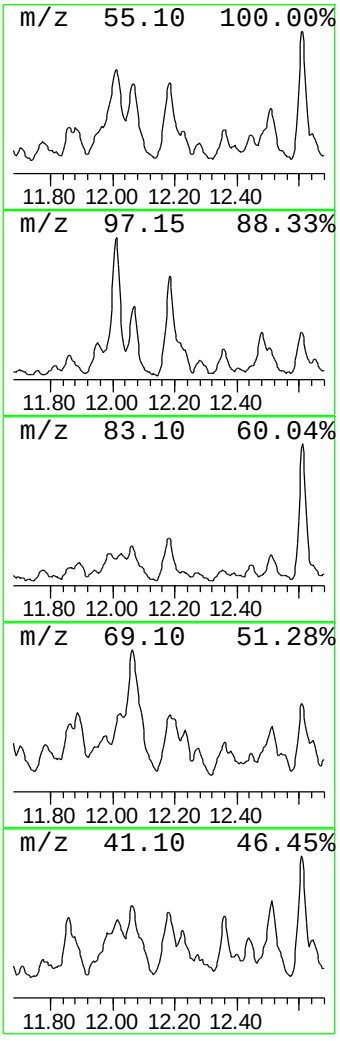
****

Peak Number 43 (DEL) Alkane: Cyclic12.18 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	6.13 ug/L	260238	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
2	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	53
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	52
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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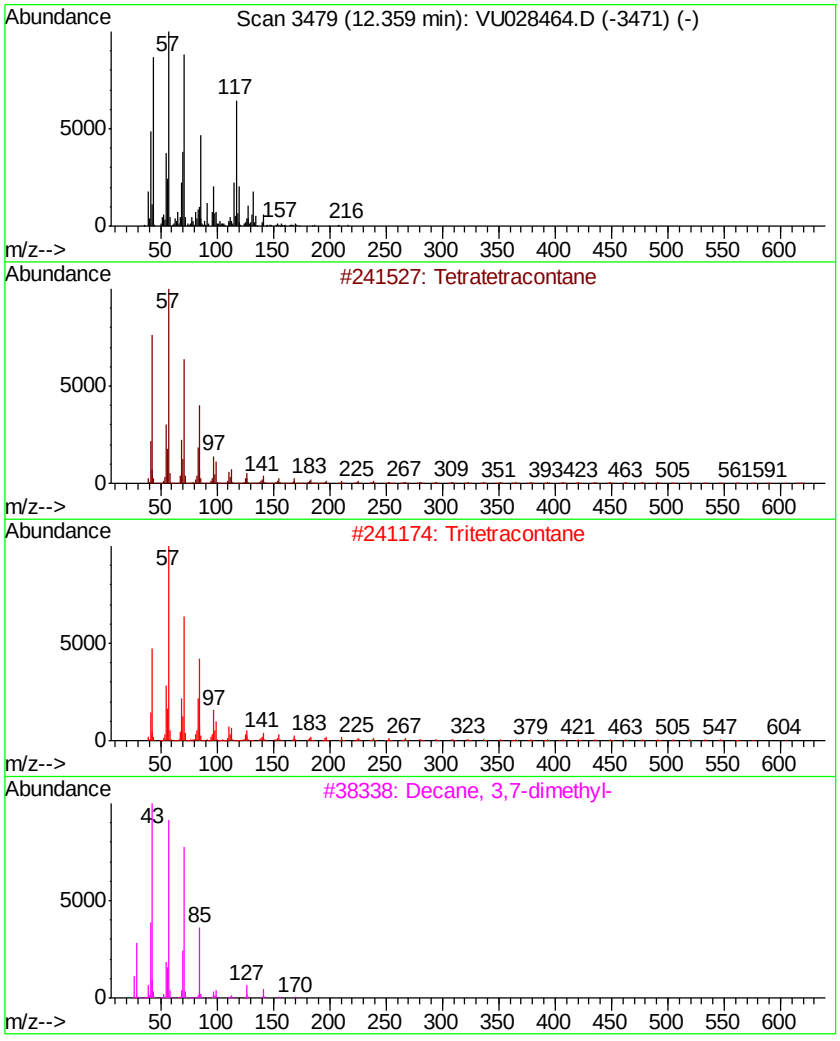
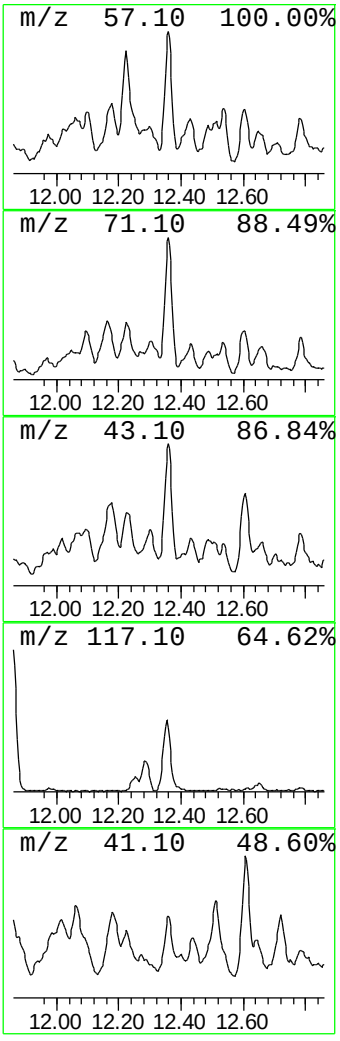
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.80 ug/L	288779	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	47
2	Tritetracontane	605	C43H88	007098-21-7	47
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	43
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	38
5	Tetracosane	338	C24H50	000646-31-1	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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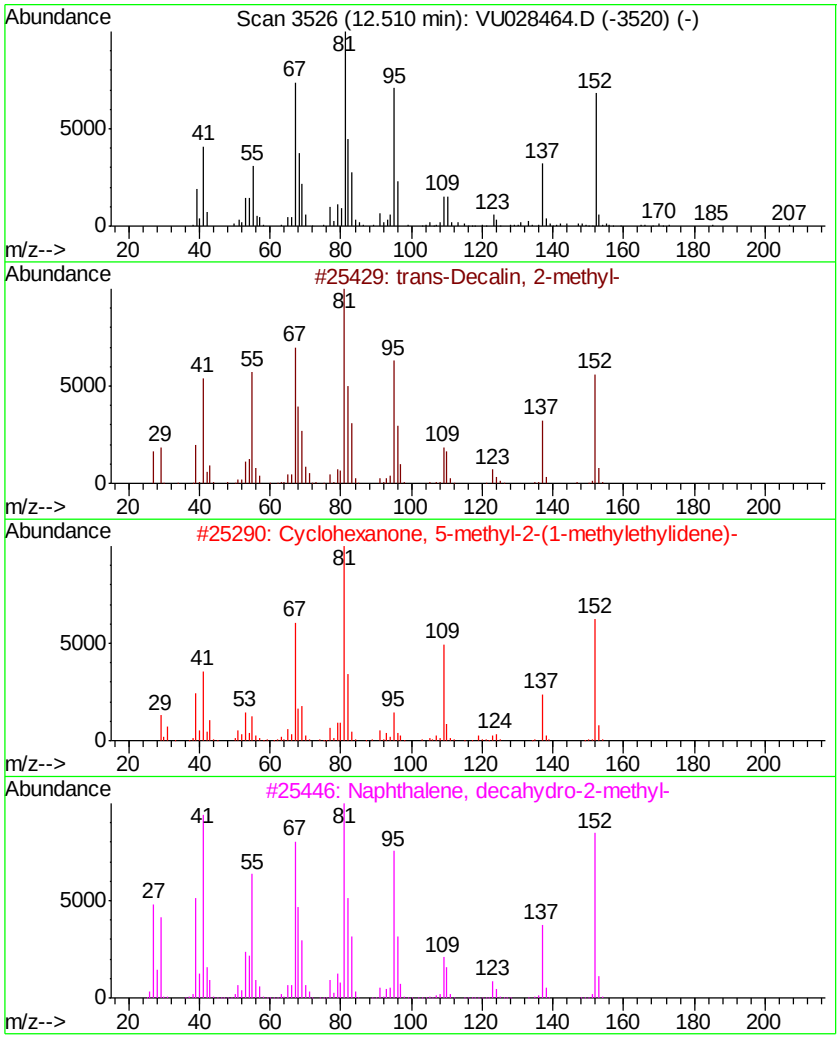
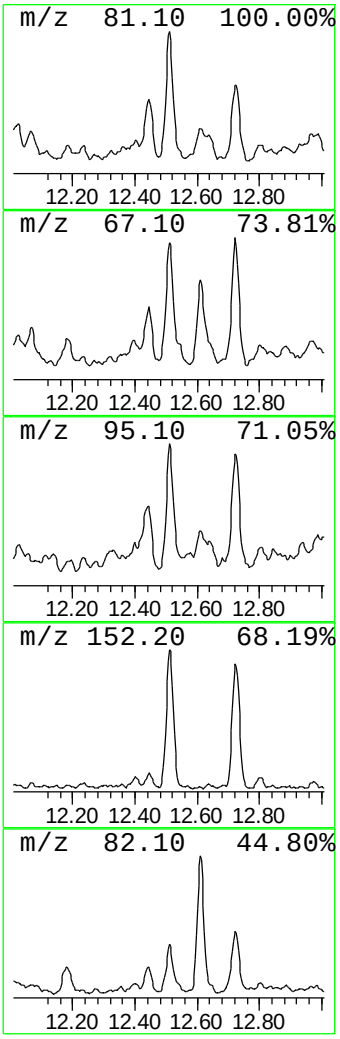
Peak Number 45 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	11.17 ug/L	474318	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	90
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
4	Pulegone	152	C10H16O	000089-82-7	81
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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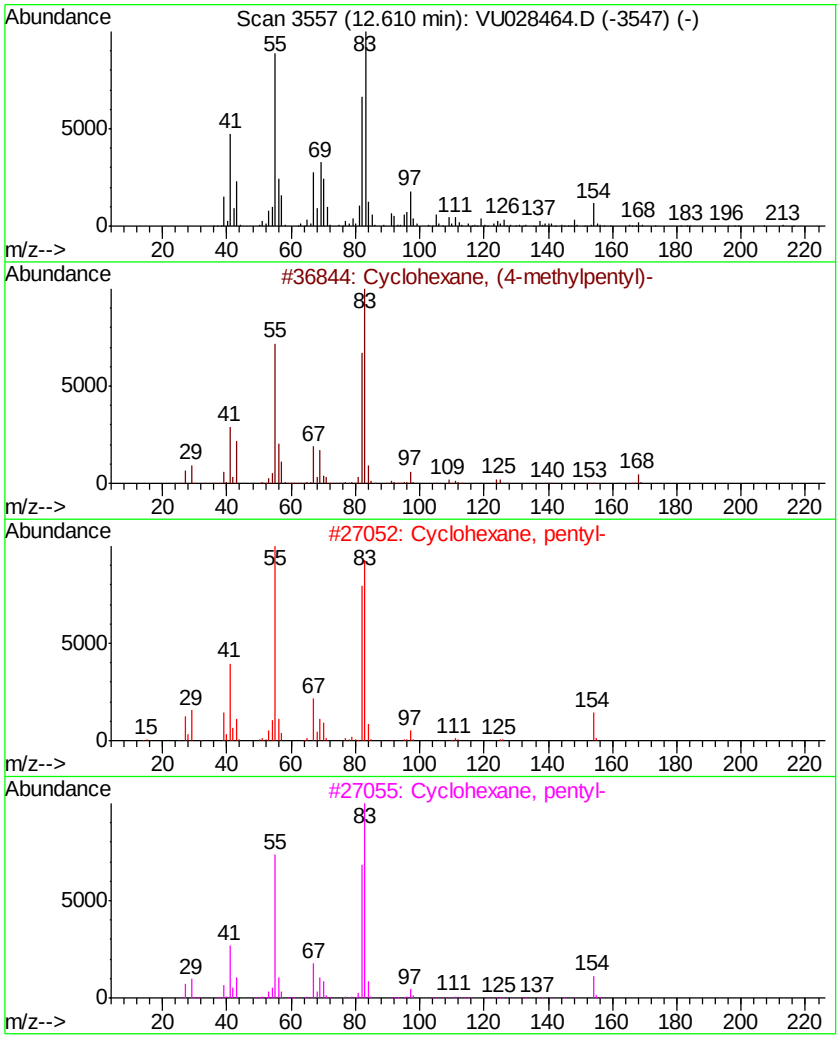
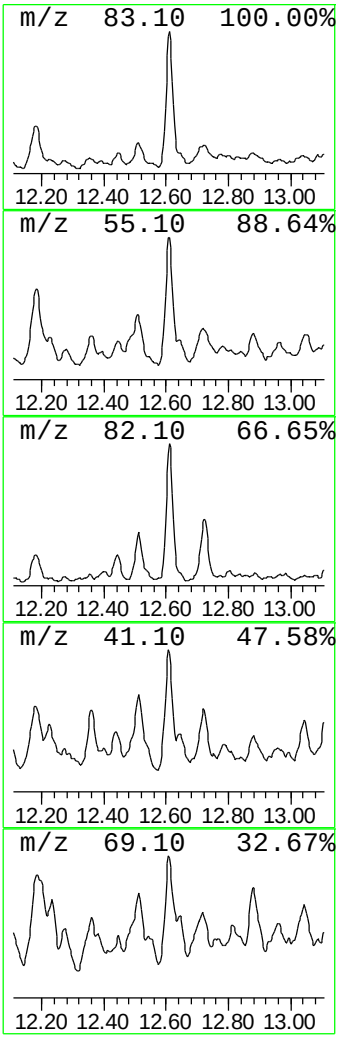
Peak Number 46 (DEL) Alkane: Cyclic12.61 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	12.46 ug/L	529189	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	68
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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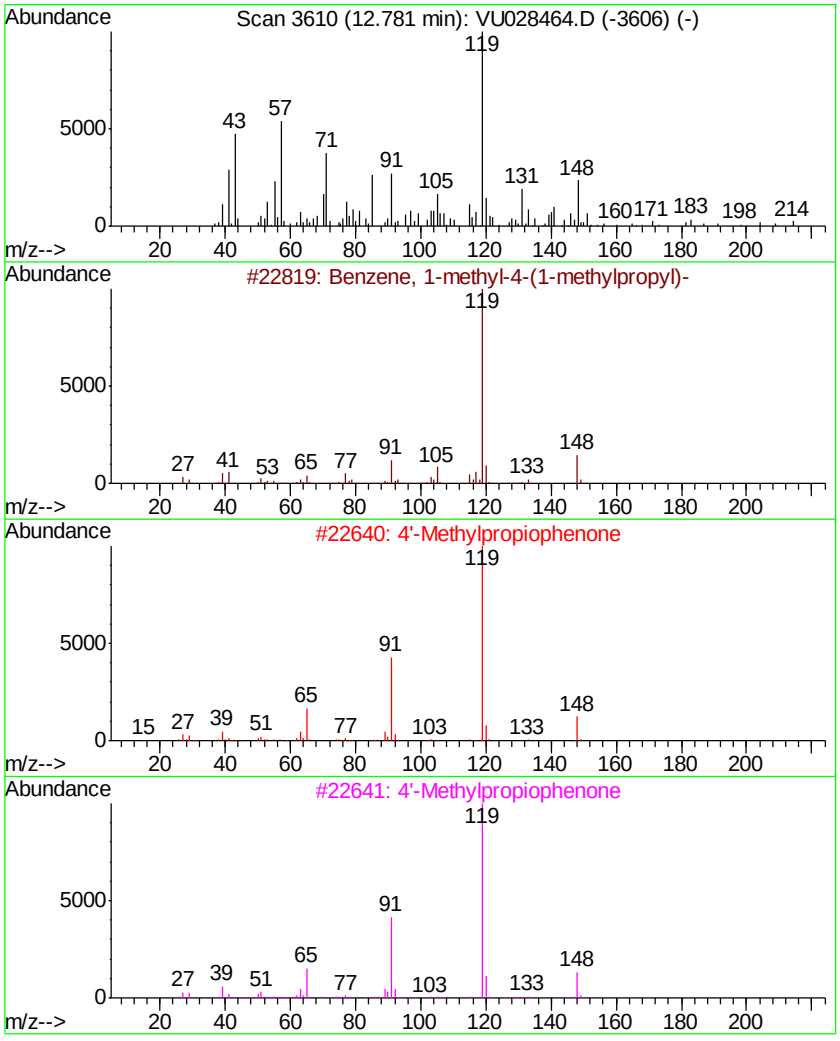
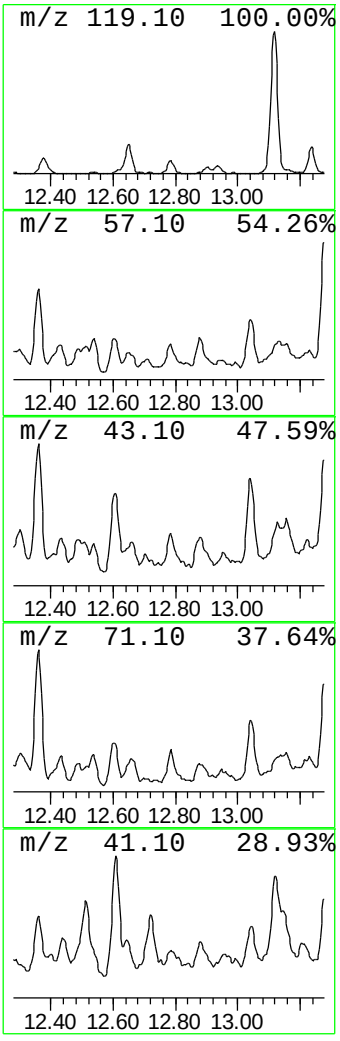
Peak Number 48 unknown-04 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.53 ug/L	107601	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	45
2	4'-Methylpropiophenone	148	C10H12O	005337-93-9	38
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	38
4	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	38
5	Butyric acid, 3-methyl-4-(2,5-xy...	206	C13H18O2	030275-76-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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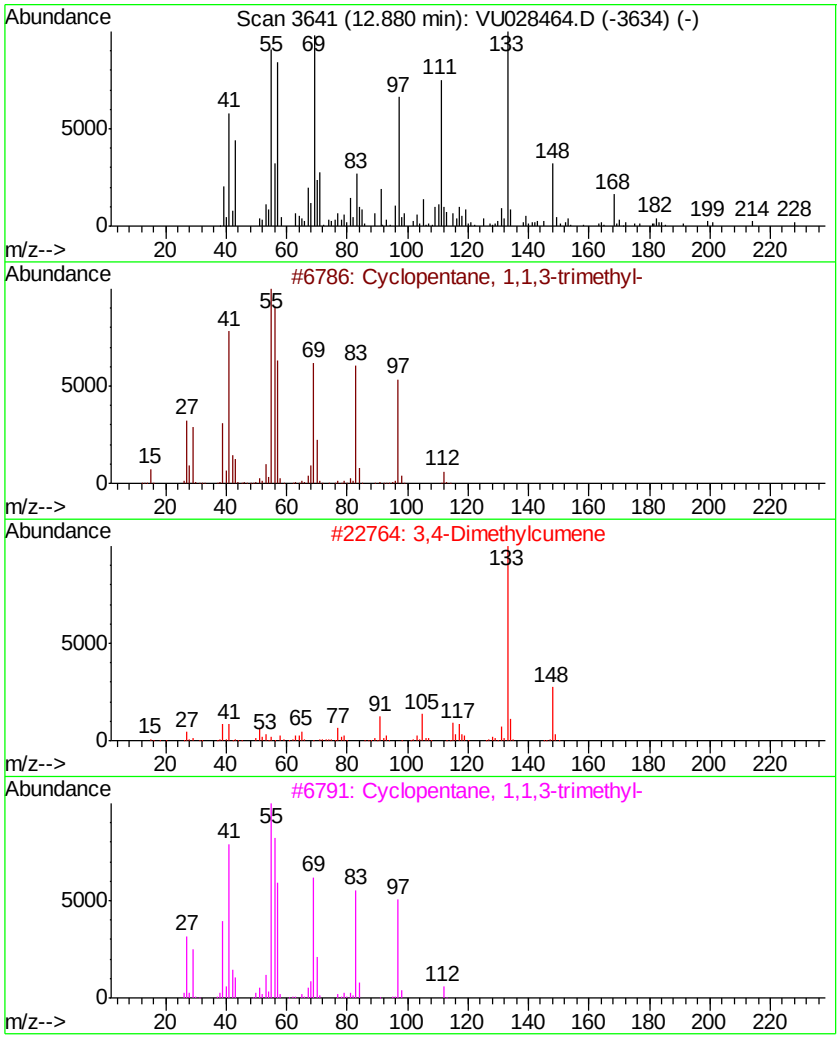
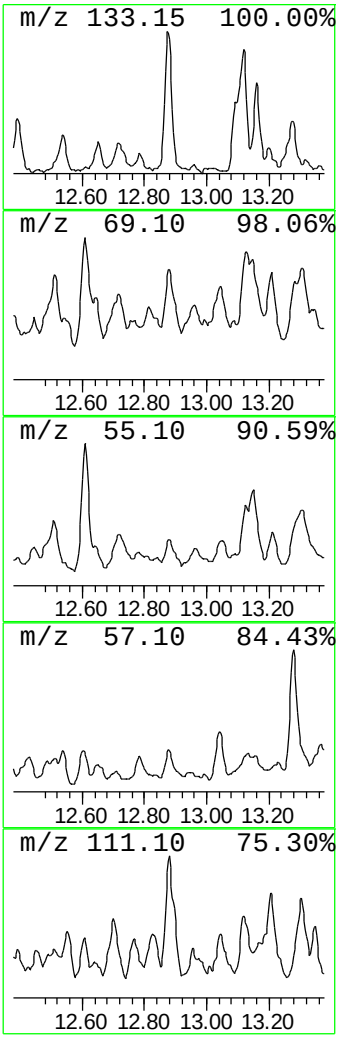
Peak Number 49 (DEL) Alkane: Cyclic12.88 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	3.89 ug/L	165292	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	35
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	25
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	20
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	20





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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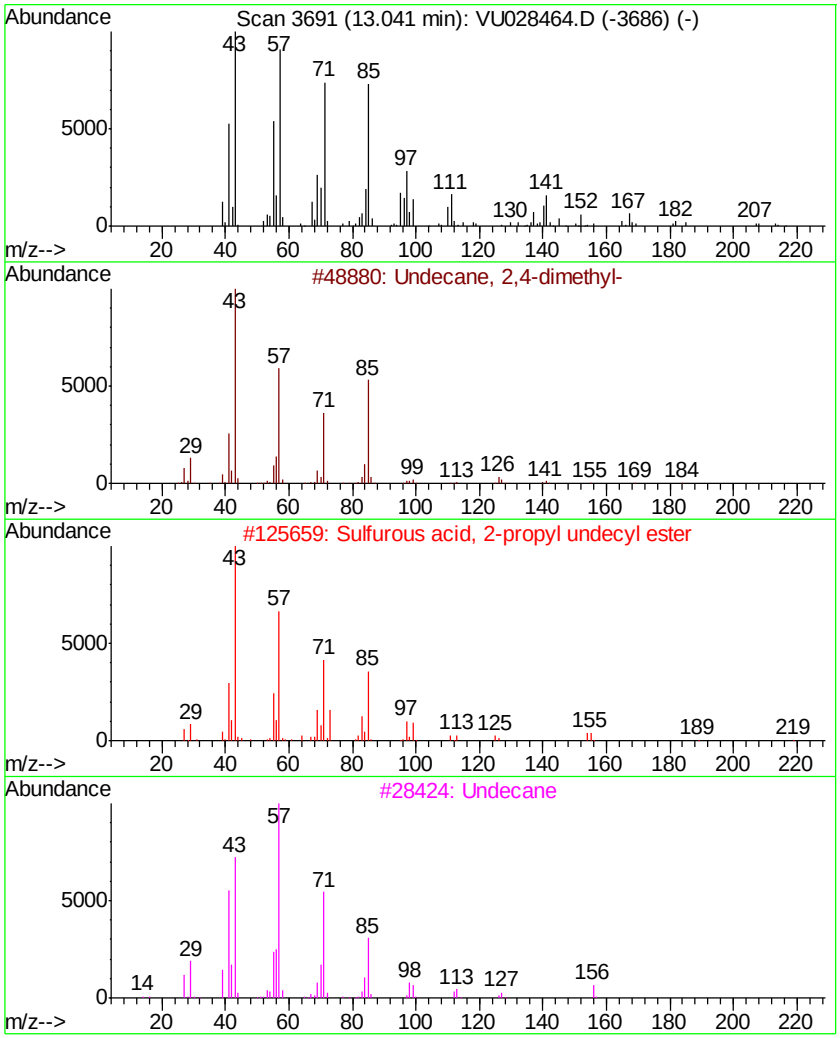
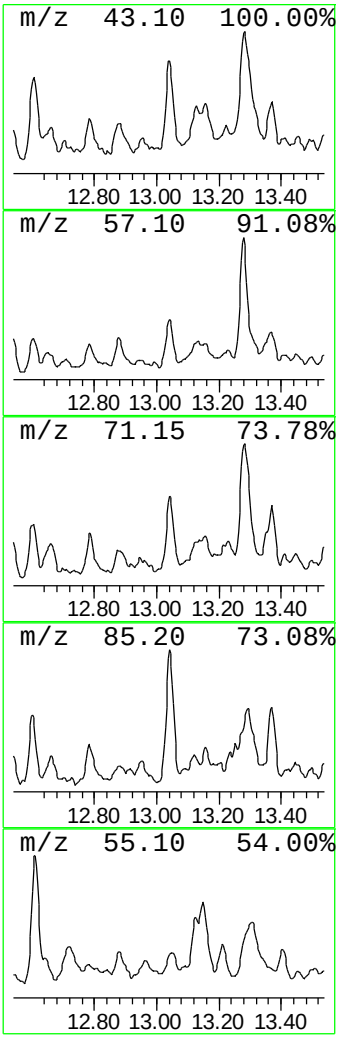
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.92 ug/L	124083	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	49
2	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	47
3	Undecane	156	C11H24	001120-21-4	38
4	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	38
5	1-Bromodocosane	388	C22H45Br	006938-66-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

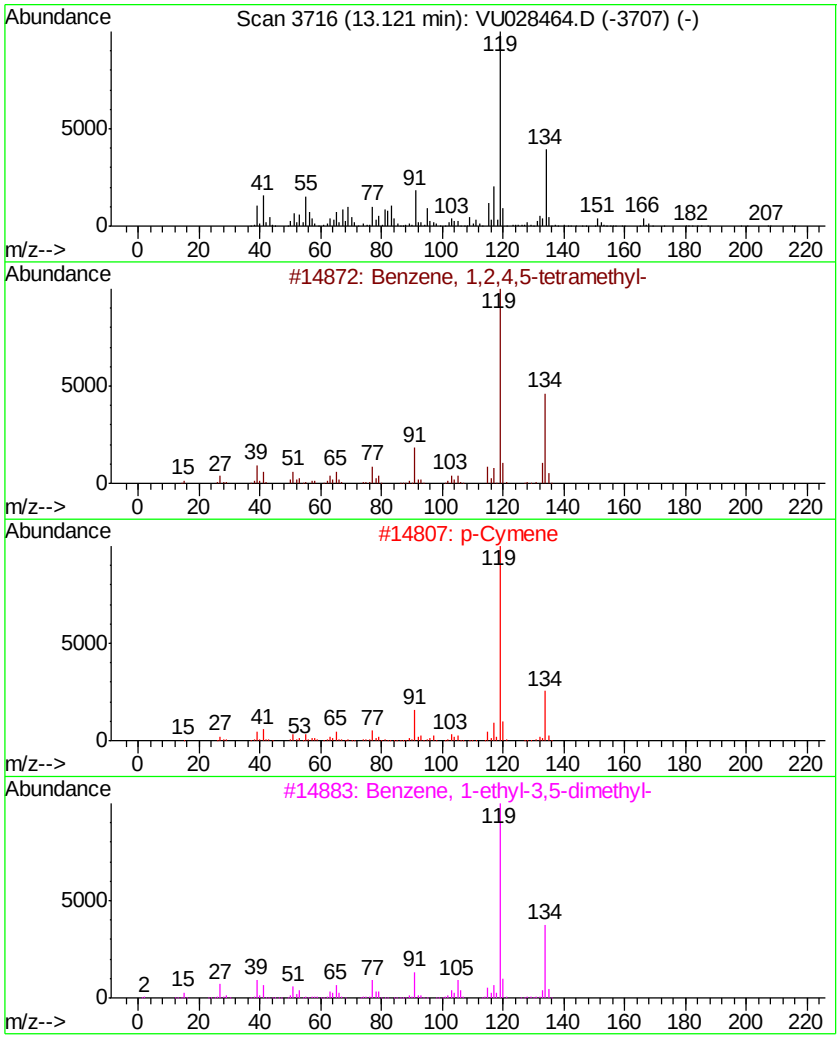
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

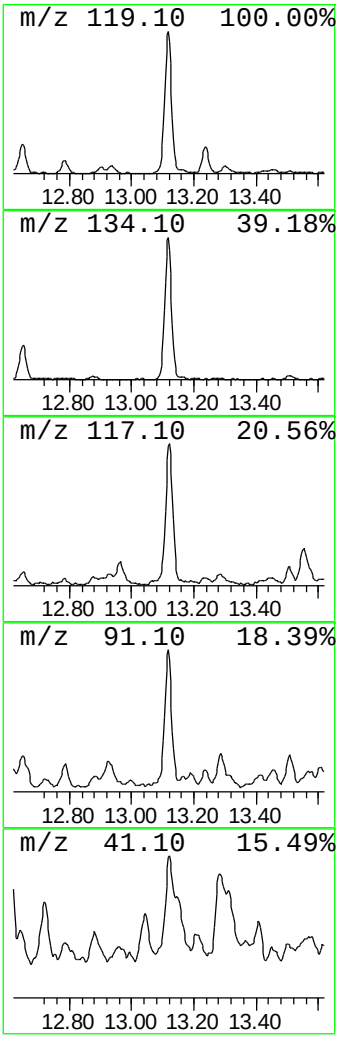
****

Peak Number 51 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	22.38 ug/L	950919	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	89
2	p-Cymene	134	C10H14	000099-87-6	81
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

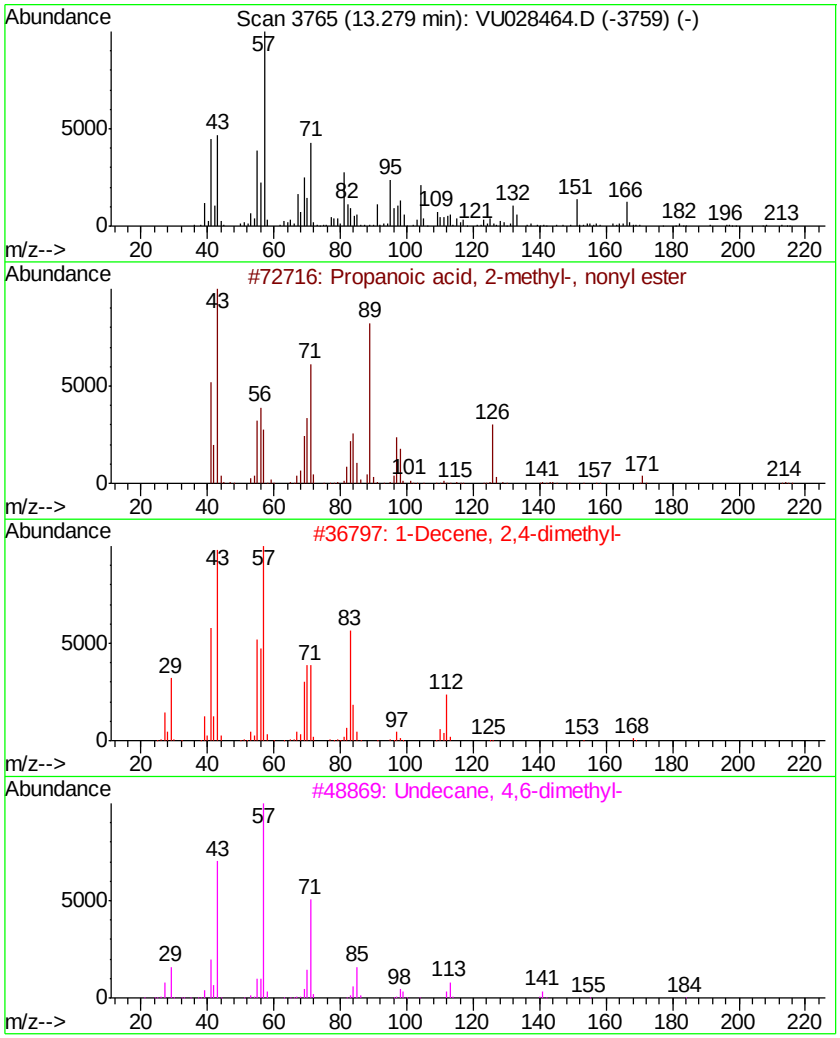
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

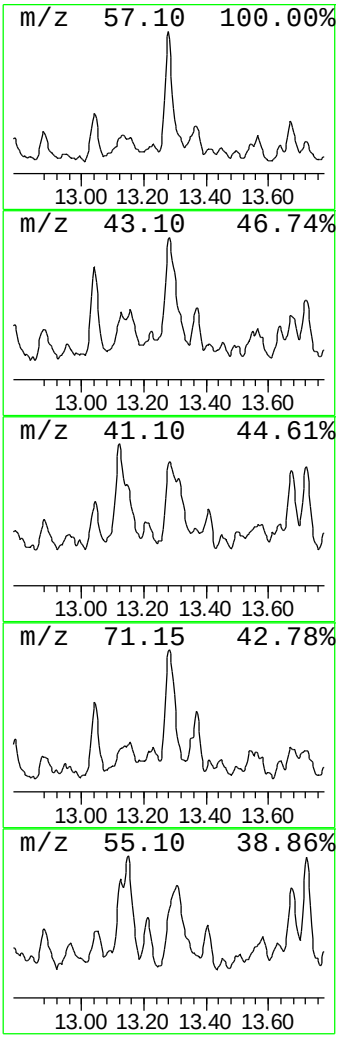
****

Peak Number 52 unknown-05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	13.11 ug/L	556839	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, nonyl...	214	C13H26O2	010522-34-6	27
2	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	18
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	18
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	14
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	11





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

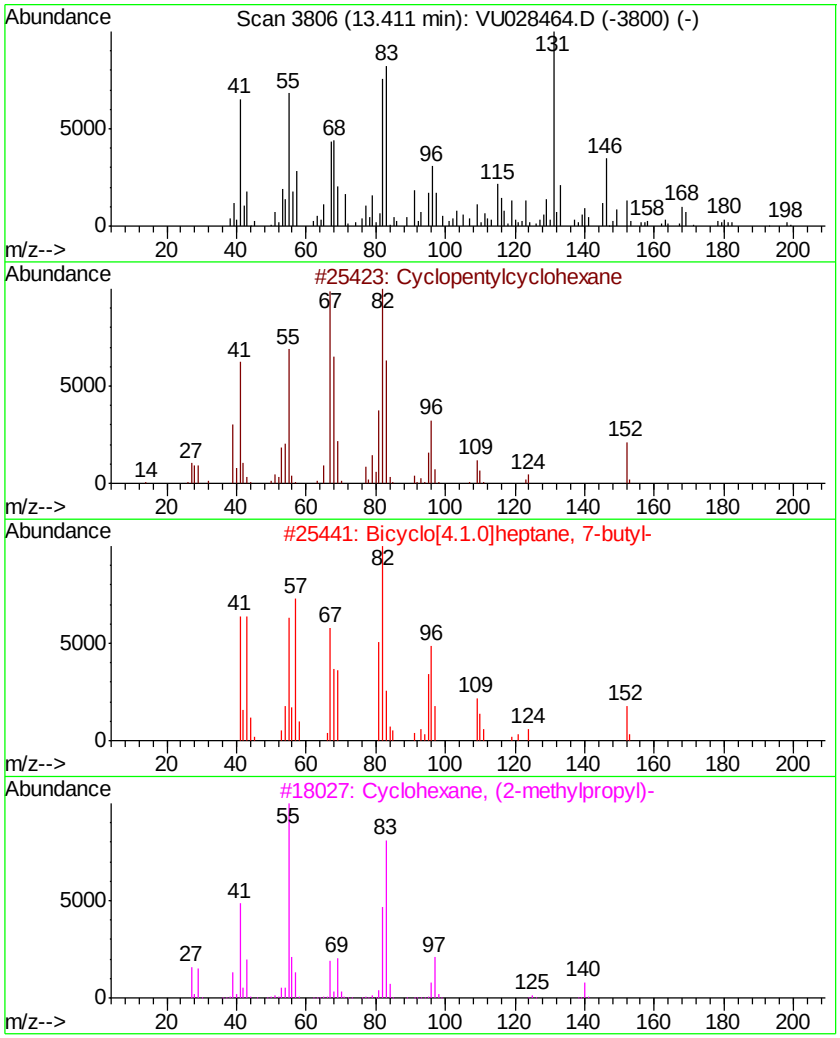
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

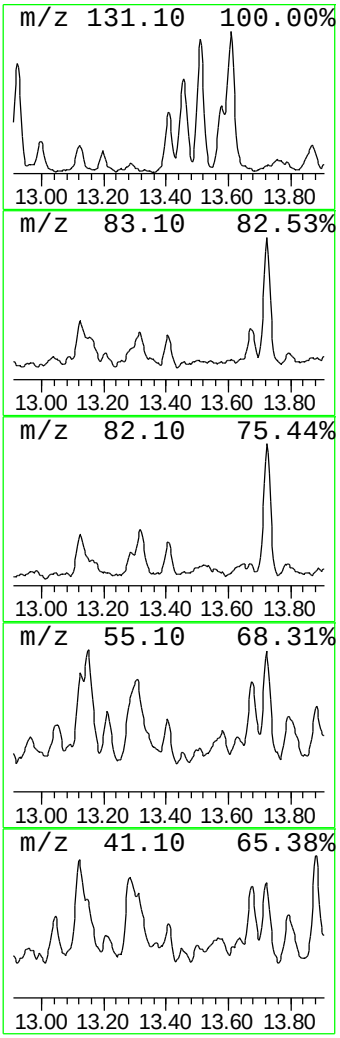
****

Peak Number 53 Cyclopentylcyclohexane Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.62 ug/L	111103	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentylcyclohexane	152	C11H20	001606-08-2	50
2	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	49
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	30
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

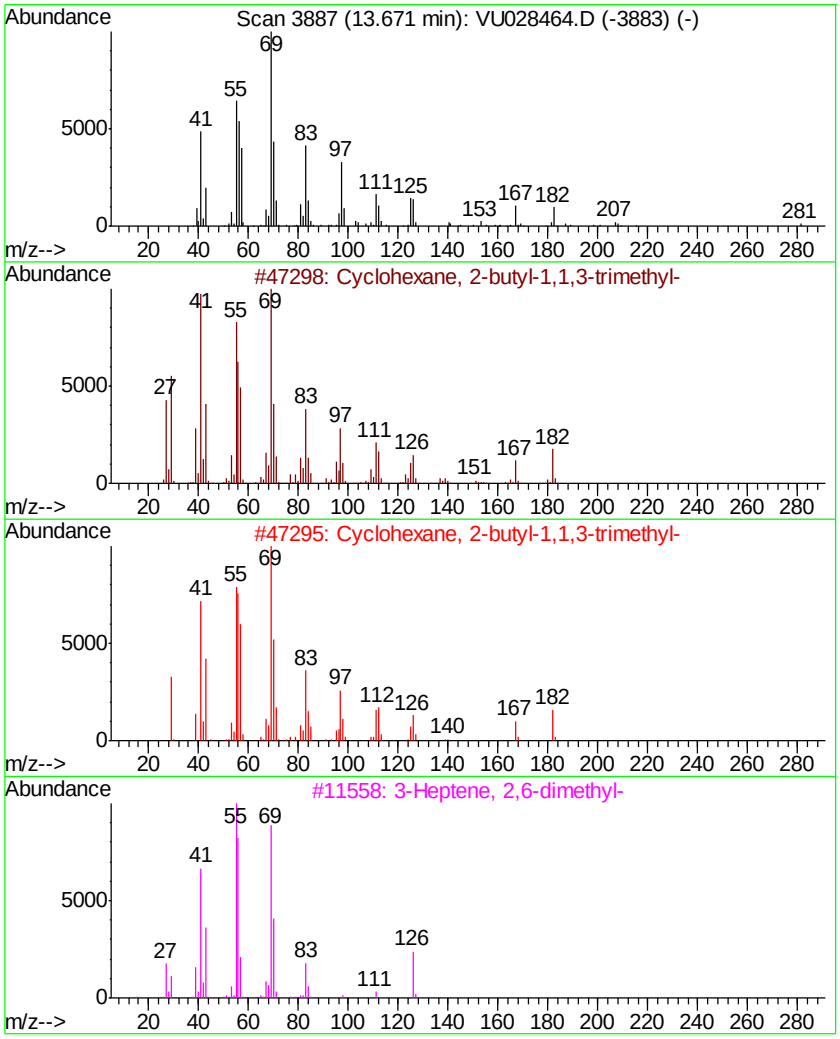
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

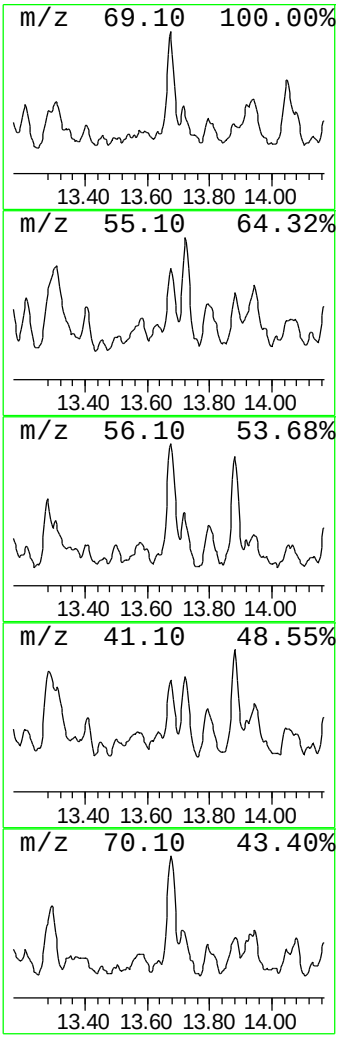
****

Peak Number 54 (DEL) Alkane: Cyclic13.67 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	3.80 ug/L	161584	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	91
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	58
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	52
5	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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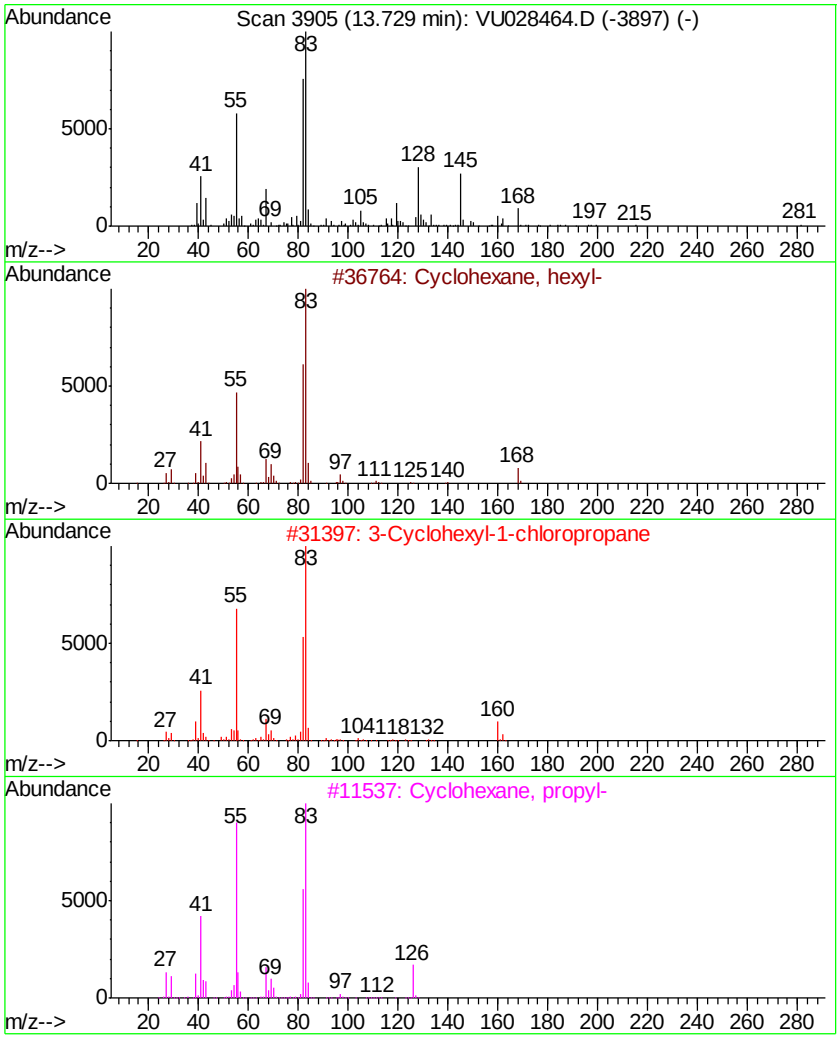
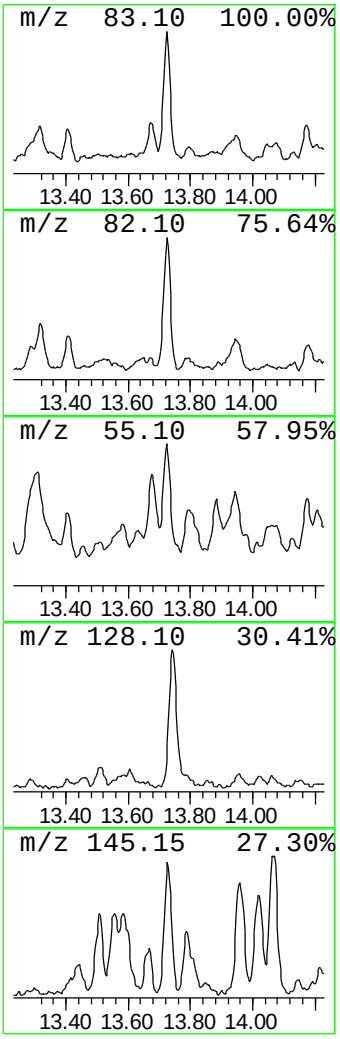
Peak Number 55 (DEL) Alkane: Cyclic13.73 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	8.29 ug/L	352016	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
2	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	59
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	53
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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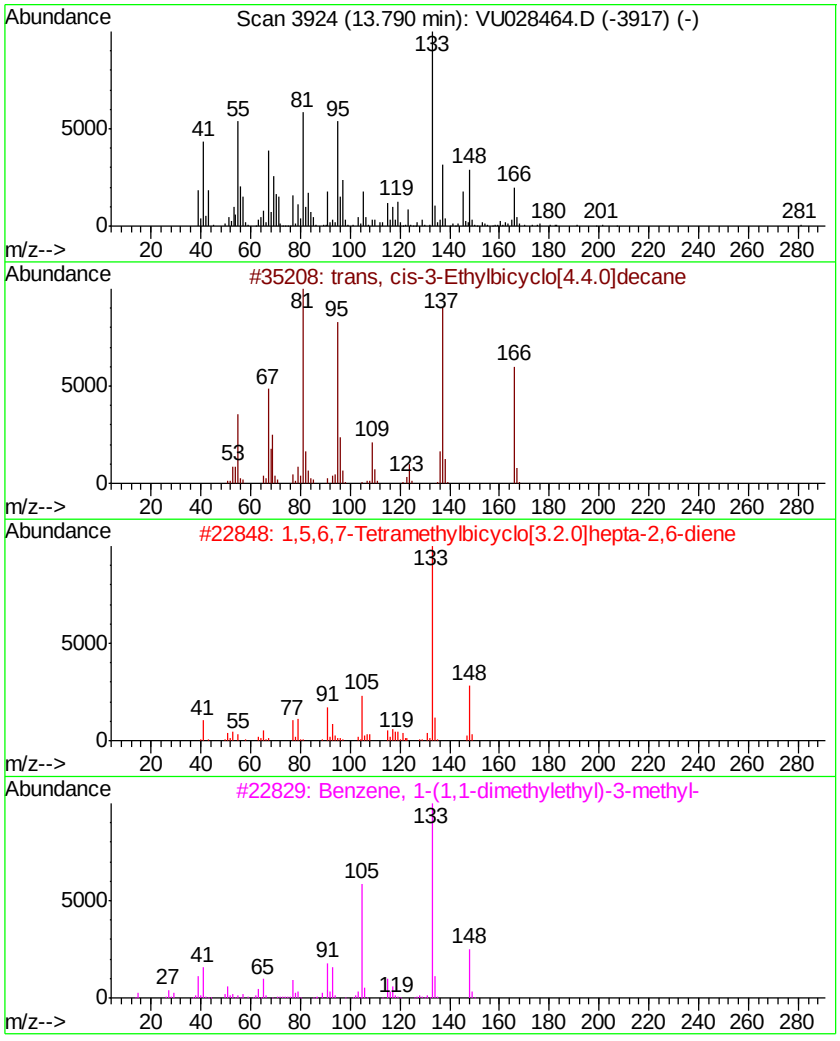
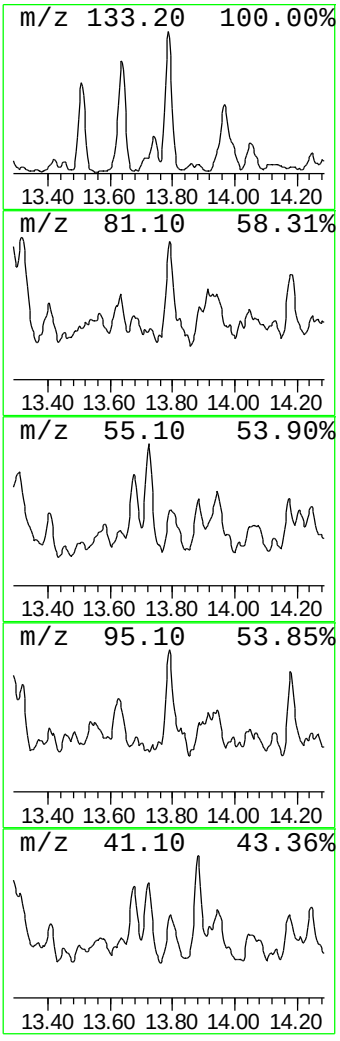
Peak Number 56 unknown-06 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	6.31 ug/L	268032	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	46
2	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	42
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	42
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	42
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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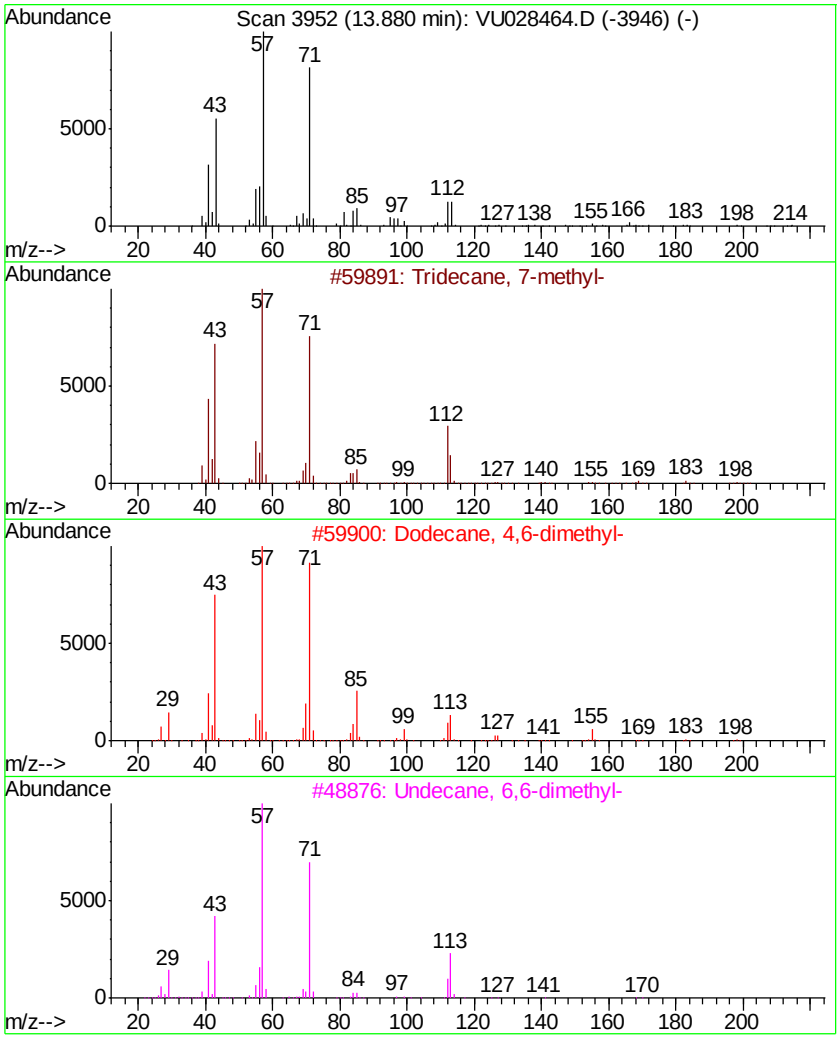
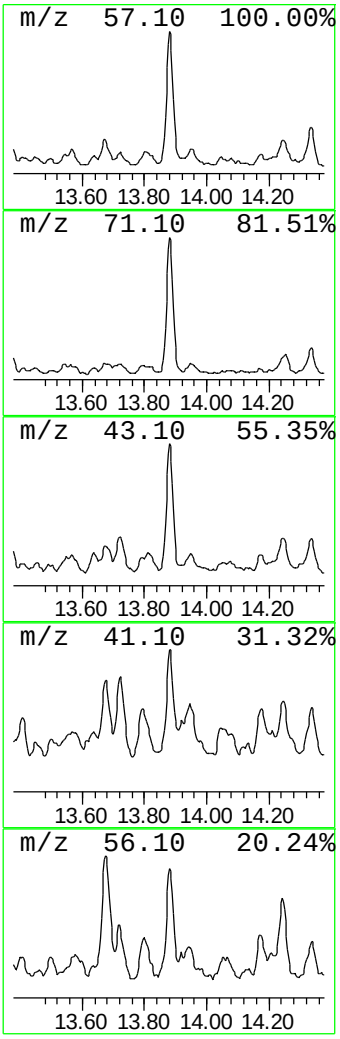
Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	5.67 ug/L	240795	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	80
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
3	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5	Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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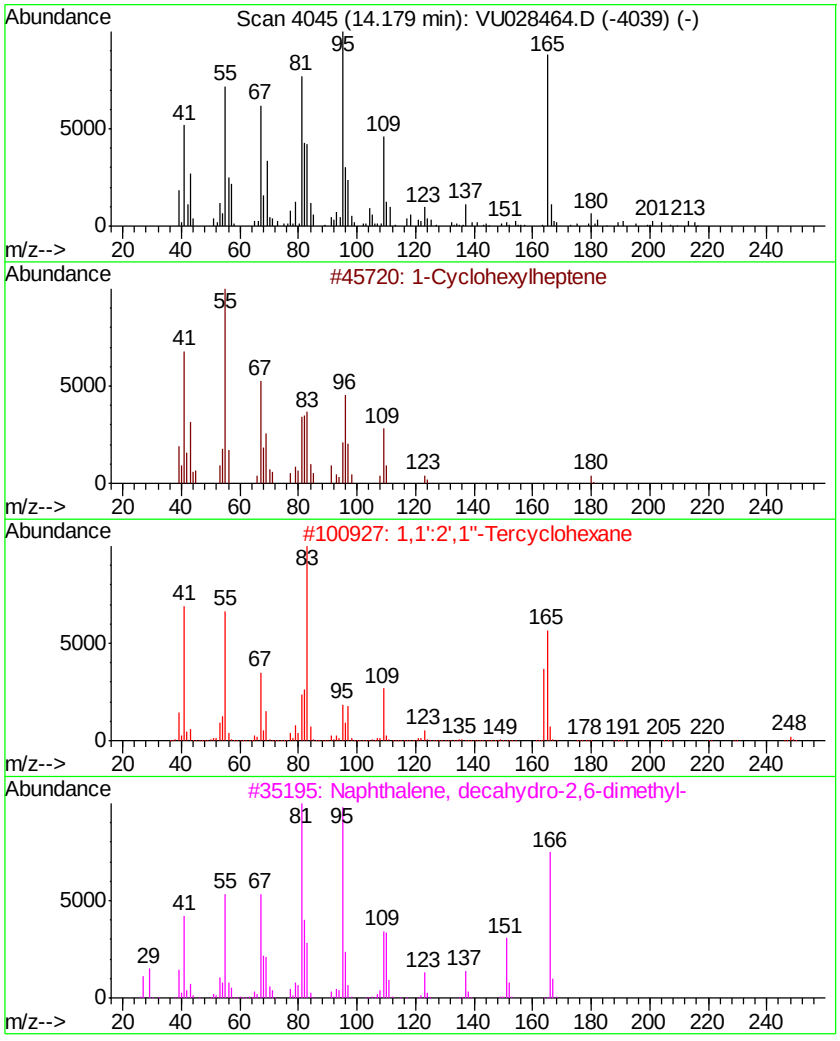
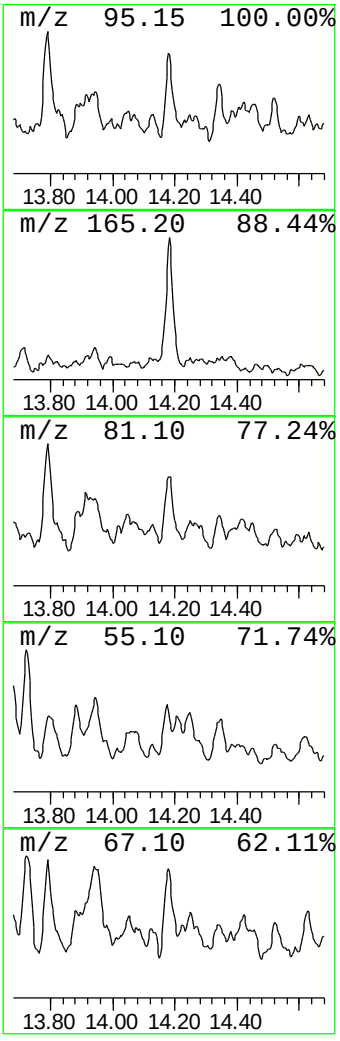
Peak Number 58 unknown-07 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	2.79 ug/L	118330	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexylheptene	180	C13H24	114614-83-4	46
2	1,1':2',1''-Tercyclohexane	248	C18H32	002456-43-1	43
3	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	43
4	Cyclododecene	166	C12H22	001501-82-2	35
5	cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

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

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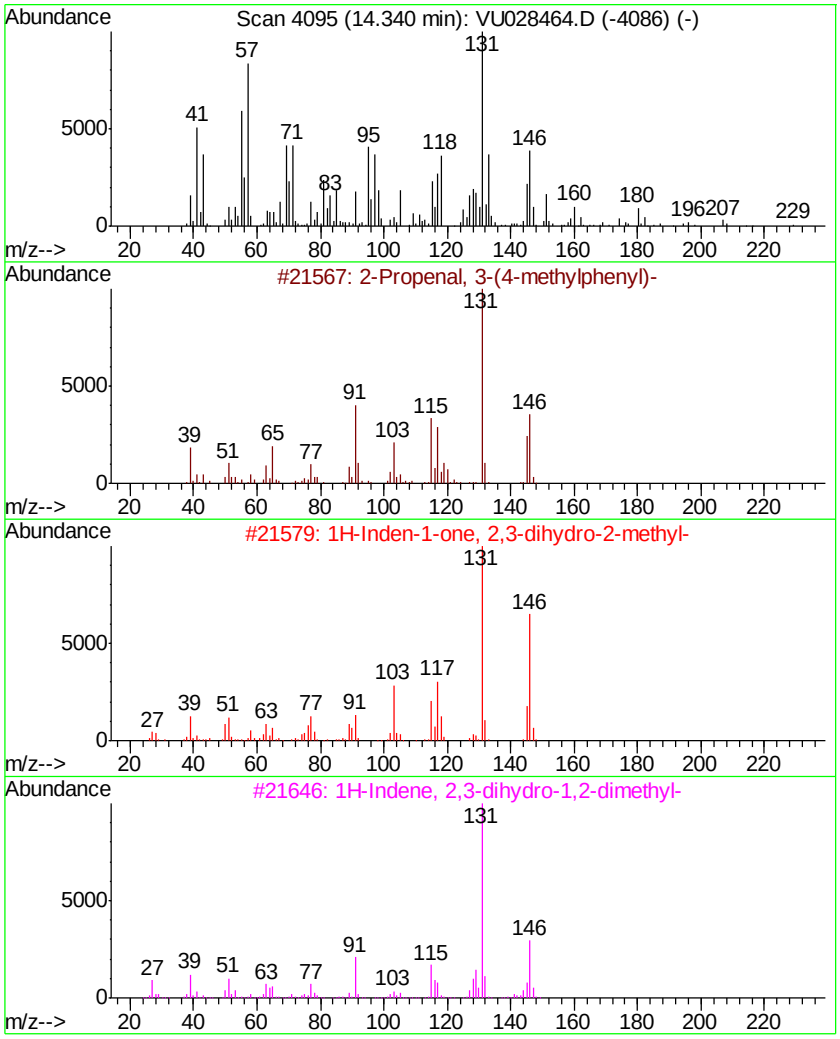
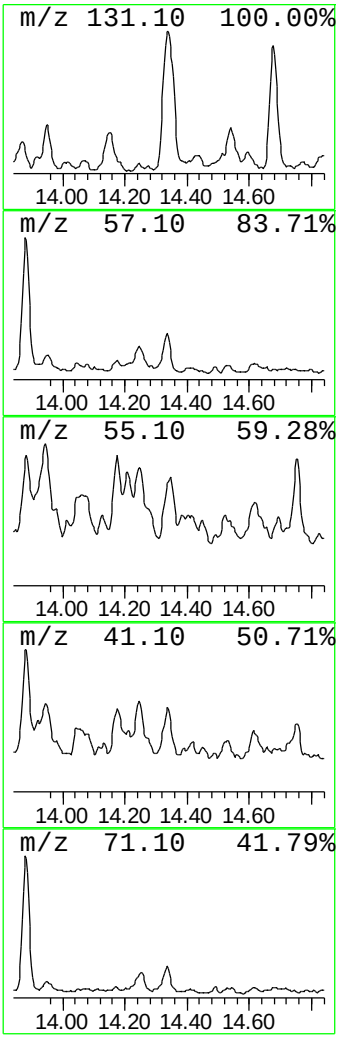
Peak Number 59 unknown-08 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	7.72 ug/L	327926	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	45
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	43
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	42
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	42
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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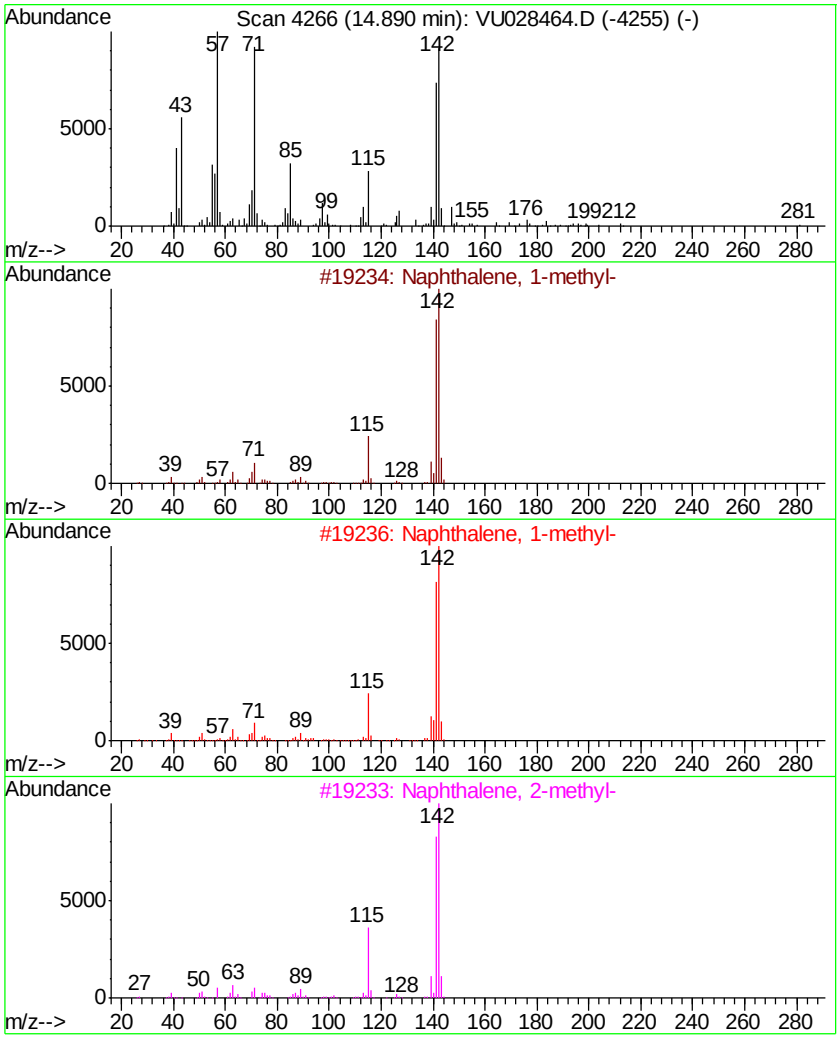
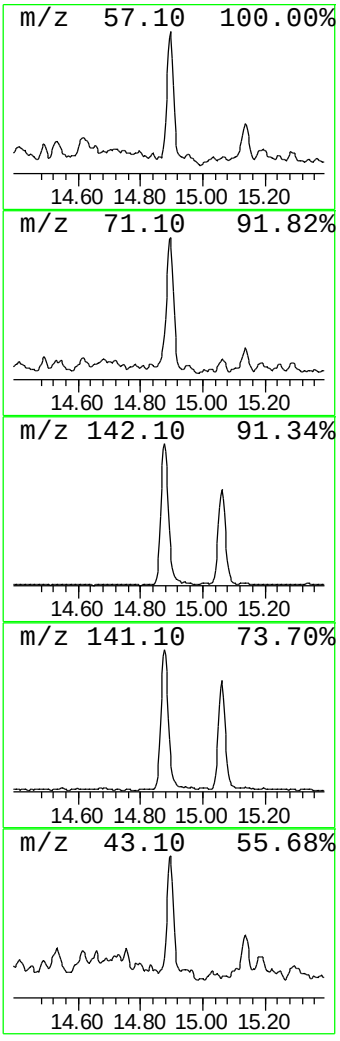
Peak Number 60 Naphthalene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	7.54 ug/L	320492	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	60
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	60
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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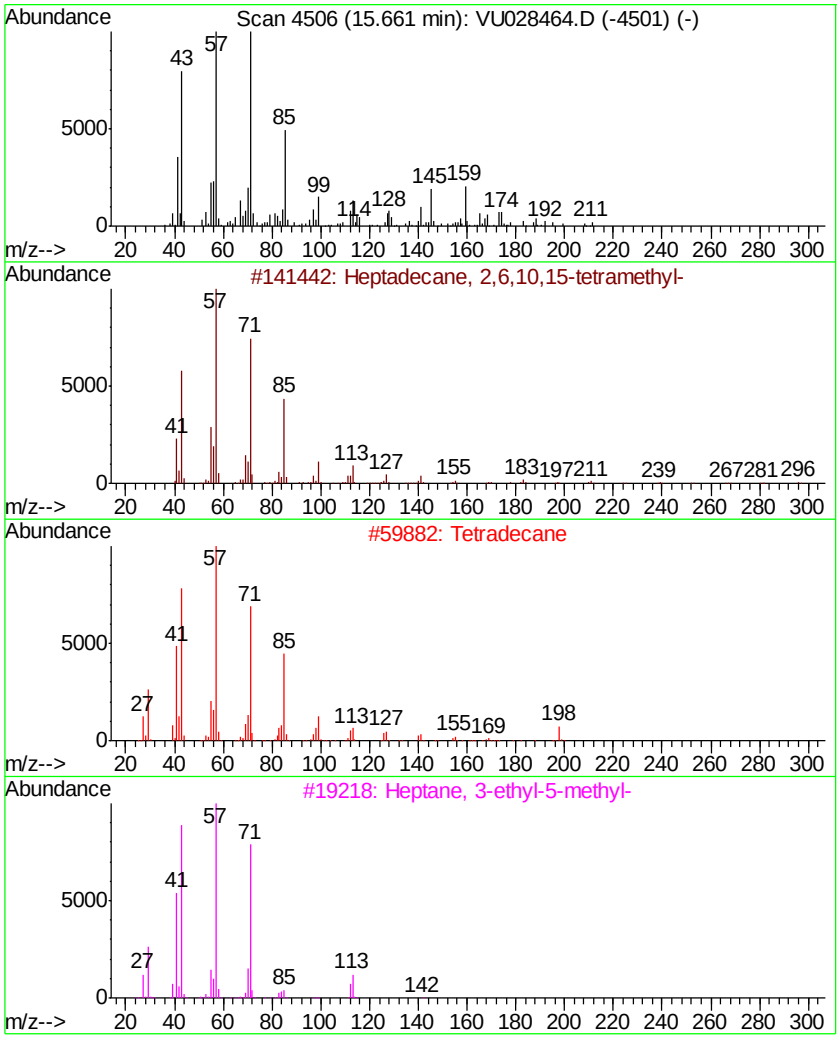
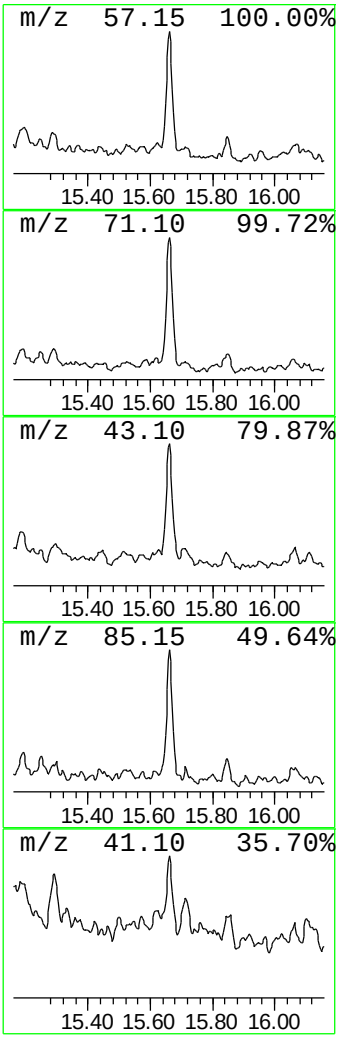
Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.67 ug/L	113266	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
2	Tetradecane	198	C14H30	000629-59-4	59
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	55
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	53
5	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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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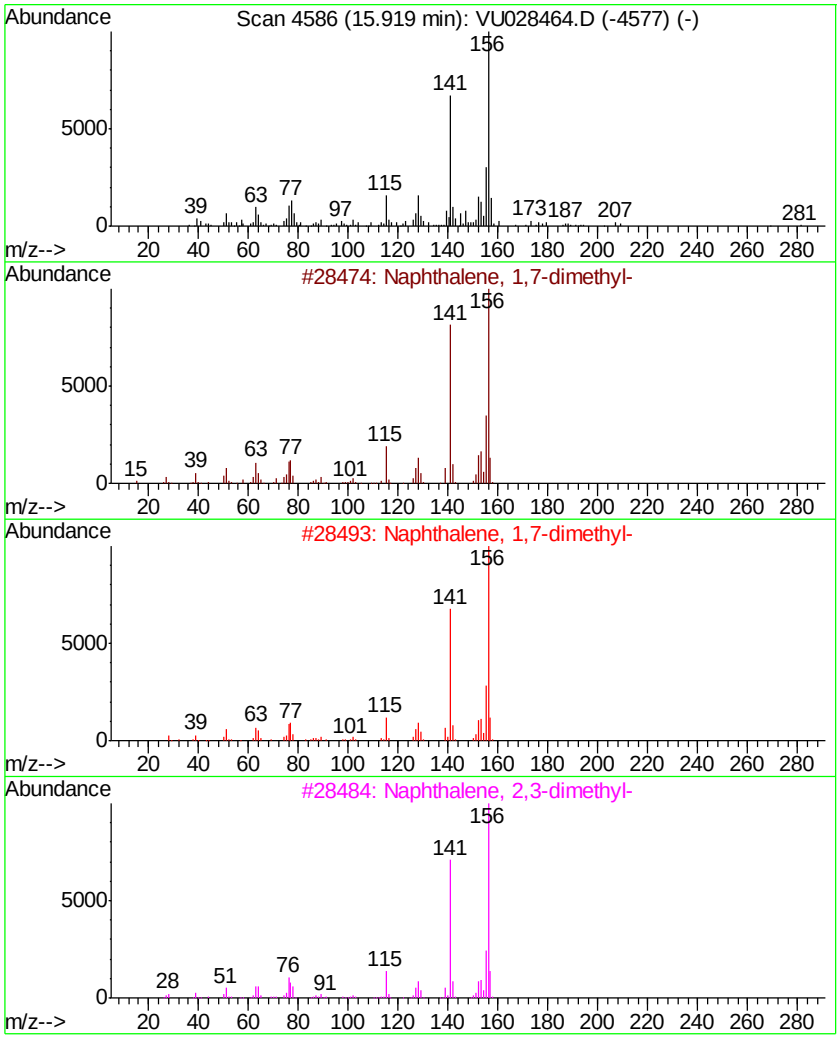
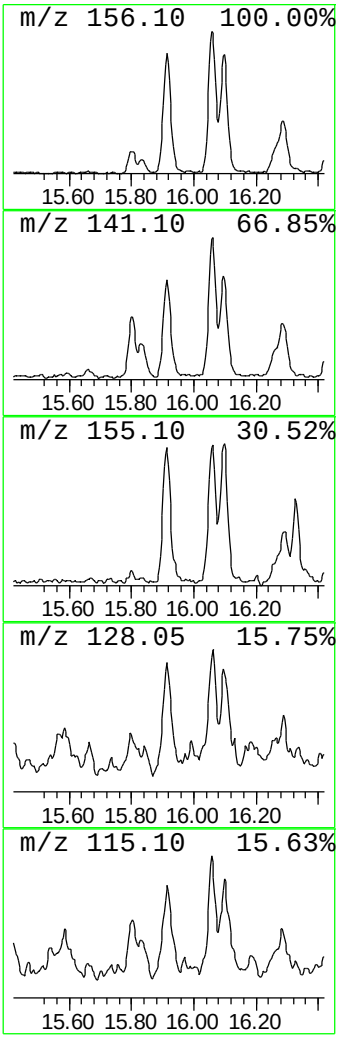
Peak Number 62 Naphthalene, 1,7-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	4.13 ug/L	175519	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

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

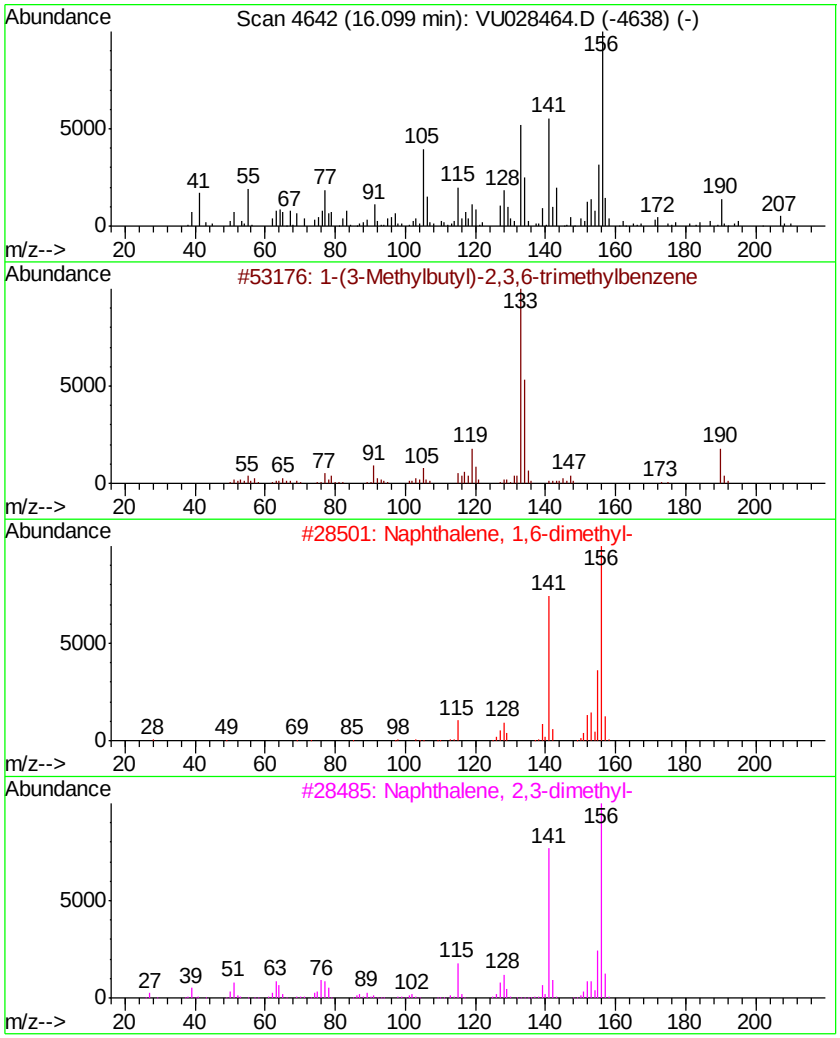
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

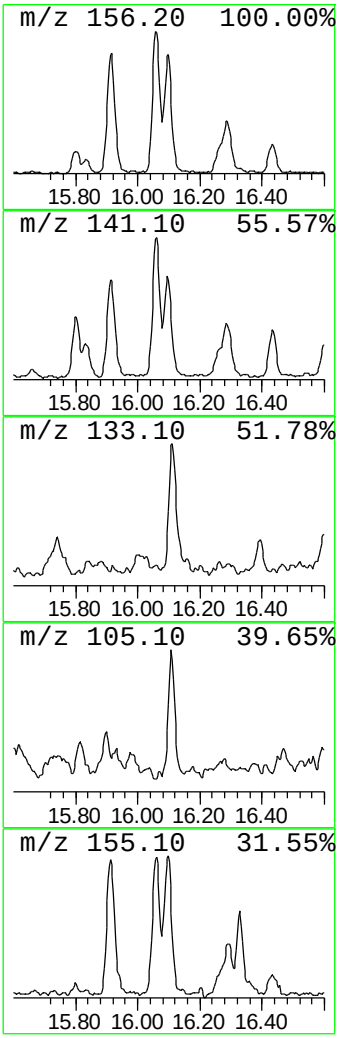
****

Peak Number 64 1-(3-Methylbutyl)-2,3,6-tri... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	5.36 ug/L	227677	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Methylbutyl)-2,3,6-trimethy...	190	C14H22	084651-14-9	60
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	46
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	44
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	42
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Data File : VU028464.D
Acq On : 04 Dec 2018 13:48
Operator : MD/SY
Sample : J6171-10MEDL 10X
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y14MEDL

Quant 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
unknown-01	1.59	2.8	ug/L	90078	1	5.88	1622920	50.0
(DEL) Alkane: Str...	2.99	3.3	ug/L	107847	1	5.88	1622920	50.0
(DEL) Alkane: Str...	5.08	2.7	ug/L	86251	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	5.25	2.7	ug/L	86665	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	5.48	9.9	ug/L	321756	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	5.55	8.2	ug/L	265592	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	5.62	15.4	ug/L	498760	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	6.74	8.0	ug/L	258786	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	6.90	10.1	ug/L	328712	1	5.88	1622920	50.0
(DEL) Alkane: Cyc...	7.70	3.6	ug/L	139994	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	7.77	4.7	ug/L	183656	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	7.92	11.1	ug/L	433121	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	8.04	3.3	ug/L	129488	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	8.54	8.8	ug/L	342893	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	8.60	12.9	ug/L	506126	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	8.76	4.1	ug/L	161116	2	9.09	1953580	50.0
(DEL) Alkane: Str...	8.81	3.0	ug/L	115506	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	8.85	8.6	ug/L	337527	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	9.24	3.3	ug/L	129710	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	9.35	6.8	ug/L	264729	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	9.40	7.3	ug/L	285511	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	9.44	5.9	ug/L	230098	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	9.57	4.1	ug/L	161085	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	9.72	9.9	ug/L	386895	2	9.09	1953580	50.0
(DEL) Alkane: Str...	9.82	2.6	ug/L	101131	2	9.09	1953580	50.0
(DEL) Alkane: Str...	9.95	23.8	ug/L	928304	2	9.09	1953580	50.0
(DEL) Alkane: Cyc...	10.04	7.8	ug/L	303677	2	9.09	1953580	50.0
(DEL) Alkane: Str...	10.09	13.4	ug/L	523263	2	9.09	1953580	50.0
unknown-02	10.22	2.7	ug/L	104195	2	9.09	1953580	50.0
(DEL) Alkane: Str...	10.25	3.7	ug/L	144246	2	9.09	1953580	50.0
2-Ethylidenecyclo...	10.38	2.5	ug/L	106869	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	10.49	12.1	ug/L	513501	3	11.48	2124040	50.0
unknown-03	10.63	4.1	ug/L	173236	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	10.70	3.5	ug/L	147093	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	10.75	8.6	ug/L	364861	3	11.48	2124040	50.0
Cyclohexane, 1-(c...	10.81	3.9	ug/L	164984	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	11.27	3.8	ug/L	162797	3	11.48	2124040	50.0
(DEL) Alkane: Str...	11.33	6.9	ug/L	293128	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	11.39	6.2	ug/L	263329	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	11.66	3.3	ug/L	139665	3	11.48	2124040	50.0
Benzene, 1,3-diet...	11.78	4.1	ug/L	172830	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	12.18	6.1	ug/L	260238	3	11.48	2124040	50.0
(DEL) Alkane: Str...	12.36	6.8	ug/L	288779	3	11.48	2124040	50.0
trans-Decalin, 2-...	12.51	11.2	ug/L	474318	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	12.61	12.5	ug/L	529189	3	11.48	2124040	50.0
unknown-04	12.78	2.5	ug/L	107601	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	12.88	3.9	ug/L	165292	3	11.48	2124040	50.0
(DEL) Alkane: Str...	13.04	2.9	ug/L	124083	3	11.48	2124040	50.0
Benzene, 1,2,4,5-...	13.12	22.4	ug/L	950919	3	11.48	2124040	50.0

unknown-05	13.28	13.1	ug/L	556839	3	11.48	2124040	50.0
Cyclopentylcycloh...	13.41	2.6	ug/L	111103	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	13.67	3.8	ug/L	161584	3	11.48	2124040	50.0
(DEL) Alkane: Cyc...	13.73	8.3	ug/L	352016	3	11.48	2124040	50.0
unknown-06	13.79	6.3	ug/L	268032	3	11.48	2124040	50.0
(DEL) Alkane: Str...	13.88	5.7	ug/L	240795	3	11.48	2124040	50.0
unknown-07	14.18	2.8	ug/L	118330	3	11.48	2124040	50.0
unknown-08	14.34	7.7	ug/L	327926	3	11.48	2124040	50.0
Naphthalene, 1-me...	14.89	7.5	ug/L	320492	3	11.48	2124040	50.0
(DEL) Alkane: Str...	15.66	2.7	ug/L	113266	3	11.48	2124040	50.0
Naphthalene, 1,7-...	15.92	4.1	ug/L	175519	3	11.48	2124040	50.0
1-(3-Methylbutyl)...	16.10	5.4	ug/L	227677	3	11.48	2124040	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9Y14MEDL