LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

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\SOMULM120718WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.395	62	69	83	rBV	111143	124434	0.45%	0.117%
2	1.640	139	145	155	rBV	75919	87081	0.31%	0.082%
3	2.099	280	288	296	rBV2	7861	11027	0.04%	0.010%
4	2.235	319	330	344	rBV	170173	262263	0.94%	0.246%
5	2.630	442	453	463	rBV4	2184	5155	0.02%	0.005%
6	2.826	501	514	526	rBV2	2176	5079	0.02%	0.005%
7	2.887	529	533	537	rVB2	230	216	0.00%	0.000%
8	2.919	540	543	552	rVB	123	167	0.00%	0.000%
9	2.958	552	555	559	rBV2	374	233	0.00%	0.000%
10	3.180	620	624	627	rVB2	283	199	0.00%	0.000%
11	3.280	646	655	662	rVB3	1159	1996	0.01%	0.002%
12	3.386	685	688	692	rVB2	236	182	0.00%	0.000%
13	3.562	741	743	751	rVB2	185	185	0.00%	0.000%
14	3.659	768	773	777	rBV	251	195	0.00%	0.000%
15	4.189	923	938	993	rBV2	52016	185553	0.67%	0.174%
16	4.398	1001	1003	1010	rVB2	330	269	0.00%	0.000%
17	4.643	1062	1079	1113	rVB	116869	285650	1.03%	0.268%
18	4.849	1139	1143	1147	rVB2	173	167	0.00%	0.000%
19	4.881	1147	1153	1161	rBV3	335	420	0.00%	0.000%
20	5.170	1239	1243	1246	rBV2	236	183	0.00%	0.000%
21	5.328	1270	1292	1325	rBV2	283006	830227	2.98%	0.780%
22	5.611	1374	1380	1389	rBV3	1078	1935	0.01%	0.002%
23	5.881	1450	1464	1499	rBV	229926	470037	1.69%	0.441%
24	6.054	1516	1518	1523	rVB	330	166	0.00%	0.000%
25	6.167	1548	1553	1559	rVV5	539	625	0.00%	0.001%
26	6.250	1566	1579	1589	rBV4	1989	3906	0.01%	0.004%
27	6.324	1589	1602	1624	rVV	169603	356839	1.28%	0.335%
28	6.402	1624	1626	1633	rVB2	503	440	0.00%	0.000%
29	6.450	1638	1641	1648	rVV2	463	528	0.00%	0.000%
30	6.803	1747	1751	1755	rBV2	205	232	0.00%	0.000%
31	6.871	1769	1772	1776	rBV3	467	448	0.00%	0.000%
32	6.894	1776	1779	1789	rVB6	811	1034	0.00%	0.001%
33	6.971	1797	1803	1811	rVB	138	216	0.00%	0.000%
34	7.173	1861	1866	1871	rVV4	674	875	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

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\SOMULM120718WMA.M
Title : VOC Analysis

35	7.225	1871	1882	1903	rVB	97518	187318	0.67%	0.176%
36	7.334	1912	1916	1923	rVB4	998	1040	0.00%	0.001%
37	7.485	1960	1963	1968	rBV2	220	200	0.00%	0.000%
38	7.562	1968	1987	2011	rBV	354704	650786	2.34%	0.611%
39	7.710	2032	2033	2037	rVB	543	285	0.00%	0.000%
40	7.848	2059	2076	2093	rBV	64263	126621	0.45%	0.119%
41	7.996	2120	2122	2129	rVB2	260	205	0.00%	0.000%
42	8.038	2129	2135	2144	rBV5	1124	1591	0.01%	0.001%
43	8.131	2160	2164	2167	rBV	220	173	0.00%	0.000%
44	8.180	2170	2179	2184	rBV4	947	1603	0.01%	0.002%
45	8.218	2188	2191	2192	rBV2	645	308	0.00%	0.000%
46	8.324	2210	2224	2245	rBV	252448	477973	1.72%	0.449%
47	8.447	2259	2262	2264	rBV3	649	547	0.00%	0.001%
48	8.537	2282	2290	2300	rVB5	2163	3340	0.01%	0.003%
49	8.604	2303	2311	2320	rBV5	2382	4092	0.01%	0.004%
50	8.813	2368	2376	2380	rBV6	2026	3133	0.01%	0.003%
51	8.845	2381	2386	2397	rVV4	3484	6182	0.02%	0.006%
52	8.906	2397	2405	2414	rVB3	7803	12834	0.05%	0.012%
53	9.028	2434	2443	2450	rBV2	7795	12333	0.04%	0.012%
54	9.090	2450	2462	2489	rVB	346249	623651	2.24%	0.586%
55	9.250	2501	2512	2523	rBV	28832	48309	0.17%	0.045%
56	9.308	2528	2530	2534	rVV4	2316	2305	0.01%	0.002%
57	9.379	2538	2552	2564	rVV3	35353	95159	0.34%	0.089%
58	9.443	2565	2572	2591	rVV	40936	67478	0.24%	0.063%
59	9.565	2602	2610	2620	rBV6	3761	5684	0.02%	0.005%
60	9.649	2626	2636	2640	rBV5	3751	5499	0.02%	0.005%
61	9.717	2645	2657	2666	rVV6	31573	60970	0.22%	0.057%
62	9.781	2666	2677	2696	rVV	176355	326907	1.17%	0.307%
63	9.948	2712	2729	2739	rBV2	71099	135283	0.49%	0.127%
64	10.006	2740	2747	2750	rBV	14185	18928	0.07%	0.018%
65	10.041	2751	2758	2766	rVV3	50804	79550	0.29%	0.075%
66	10.167	2784	2797	2810	rBV	1235892	2000628	7.18%	1.879%
67	10.437	2869	2881	2893	rBV2	299312	615800	2.21%	0.578%
68	10.591	2916	2929	2945	rBV	4435133	6916208	24.82%	6.495%
69	10.684	2946	2958	2963	rBV	6802509	11610022	41.67%	10.903%
70	10.774	2976	2986	2995	rBV	5528338	8288813	29.75%	7.784%
71	10.974	3036	3048	3067	rBV	5019108	7806889	28.02%	7.332%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

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\SOMULM120718WMA.M
Title : VOC Analysis

72	11.157	3086	3105	3128	rVB	17893048	27860142	100.00%	26.165%
73	11.292	3132	3147	3152	rBV3	278528	640843	2.30%	0.602%
74	11.389	3168	3177	3184	rBV3	434444	712616	2.56%	0.669%
75	11.427	3185	3189	3198	rVB	290184	397312	1.43%	0.373%
76	11.482	3198	3206	3216	rBV2	501129	777883	2.79%	0.731%
77	11.572	3224	3234	3244	rBV	5171340	7707422	27.66%	7.238%
78	11.668	3259	3264	3273	rVB	370326	480510	1.72%	0.451%
79	11.781	3285	3299	3315	rBV2	3863558	8588794	30.83%	8.066%
80	11.868	3315	3326	3345	rVB4	3447335	6839675	24.55%	6.423%
81	11.980	3351	3361	3368	rBV2	291985	486147	1.74%	0.457%
82	12.025	3369	3375	3379	rBV2	210506	264067	0.95%	0.248%
83	12.147	3404	3413	3417	rBV	871291	1266806	4.55%	1.190%
84	12.253	3434	3446	3463	rBV	4182530	6205614	22.27%	5.828%
85	12.495	3516	3521	3528	rBV4	46887	79339	0.28%	0.075%
86	12.649	3562	3569	3578	rBV	136883	194375	0.70%	0.183%
87	12.704	3578	3586	3601	rVB2	152530	306779	1.10%	0.288%
88	12.842	3619	3629	3647	rVB3	278992	521999	1.87%	0.490%
89	12.964	3662	3667	3677	rVB4	60536	88288	0.32%	0.083%
90	13.032	3682	3688	3698	rVB2	57568	86648	0.31%	0.081%
91	13.122	3710	3716	3724	rBV2	53393	77603	0.28%	0.073%
92	13.742	3901	3909	3926	rBV2	31833	56946	0.20%	0.053%
93	14.581	4168	4170	4174	rBV3	596	383	0.00%	0.000%
94	14.604	4175	4177	4178	rBV2	462	207	0.00%	0.000%
95	14.890	4263	4266	4267	rBV3	867	504	0.00%	0.000%
96	15.012	4301	4304	4308	rBV2	519	455	0.00%	0.000%
97	15.041	4308	4313	4316	rBV4	823	784	0.00%	0.001%
98	15.183	4354	4357	4358	rBV	671	414	0.00%	0.000%
99	15.482	4448	4450	4454	rBV4	534	383	0.00%	0.000%
100	15.658	4503	4505	4506	rBV	781	315	0.00%	0.000%

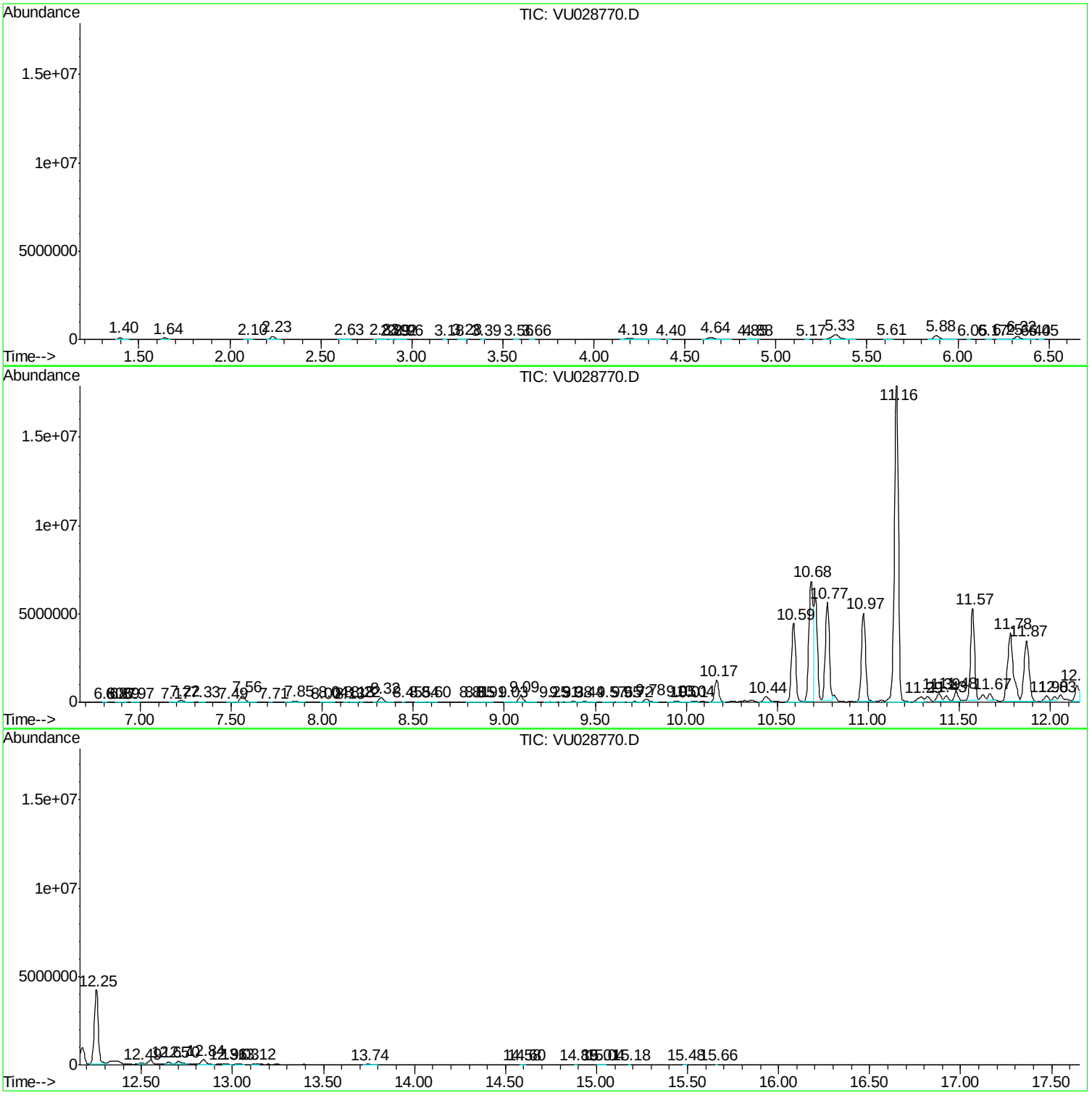
Sum of corrected areas: 106480062

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

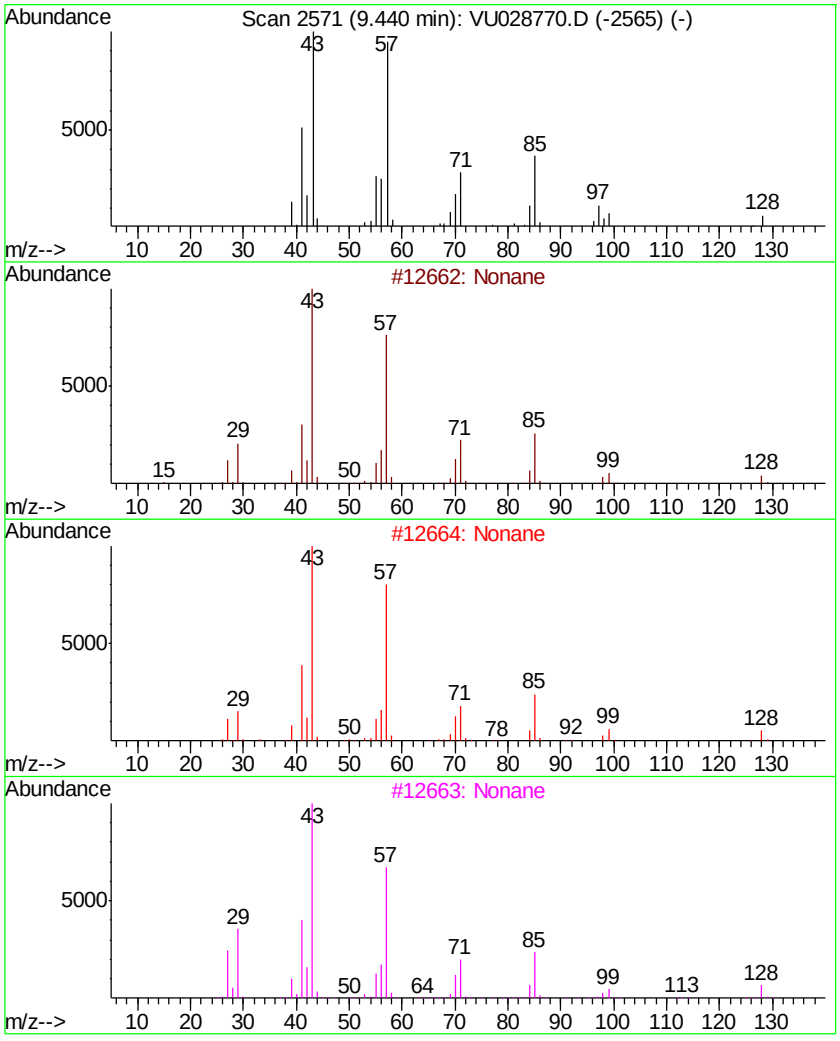
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

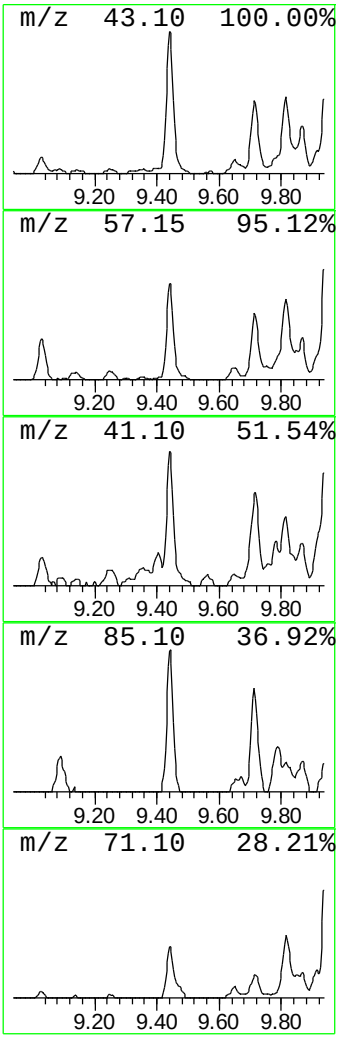
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	5.41 ug/L	67478	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	94
2	Nonane	128	C9H20	000111-84-2	87
3	Nonane	128	C9H20	000111-84-2	87
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
5	Decane	142	C10H22	000124-18-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

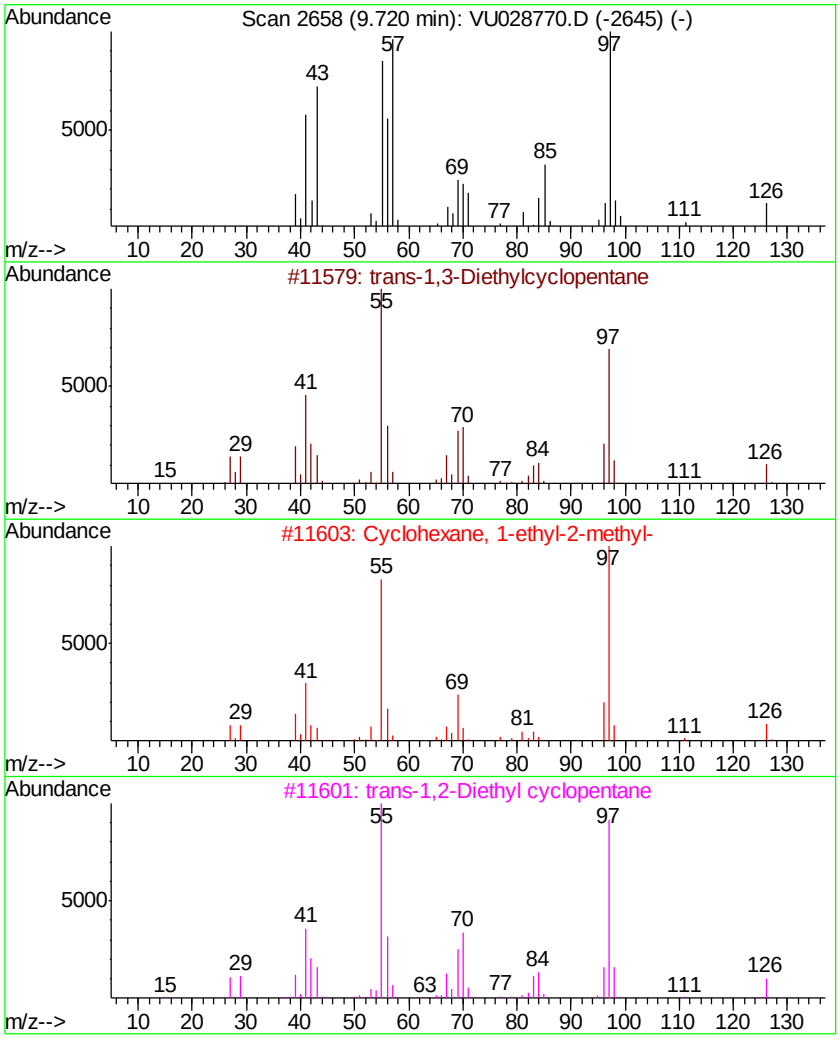
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

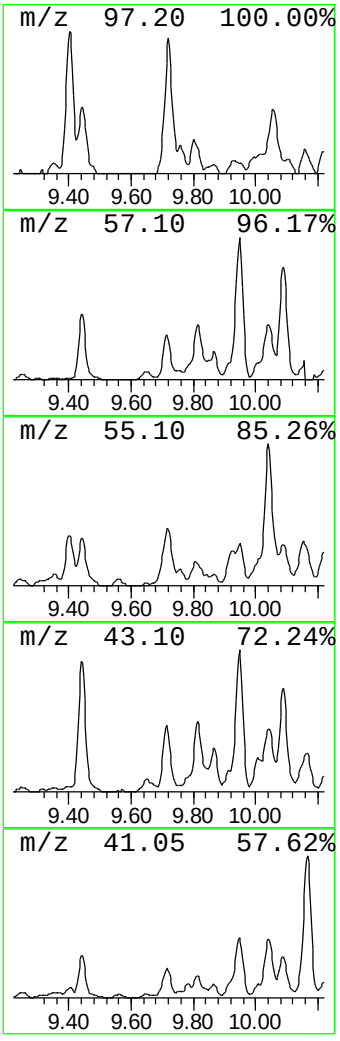
****

Peak Number 3 (DEL) Alkane: Cyclic9.72 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	4.89 ug/L	60970	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	53
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	49
3	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	49
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	47
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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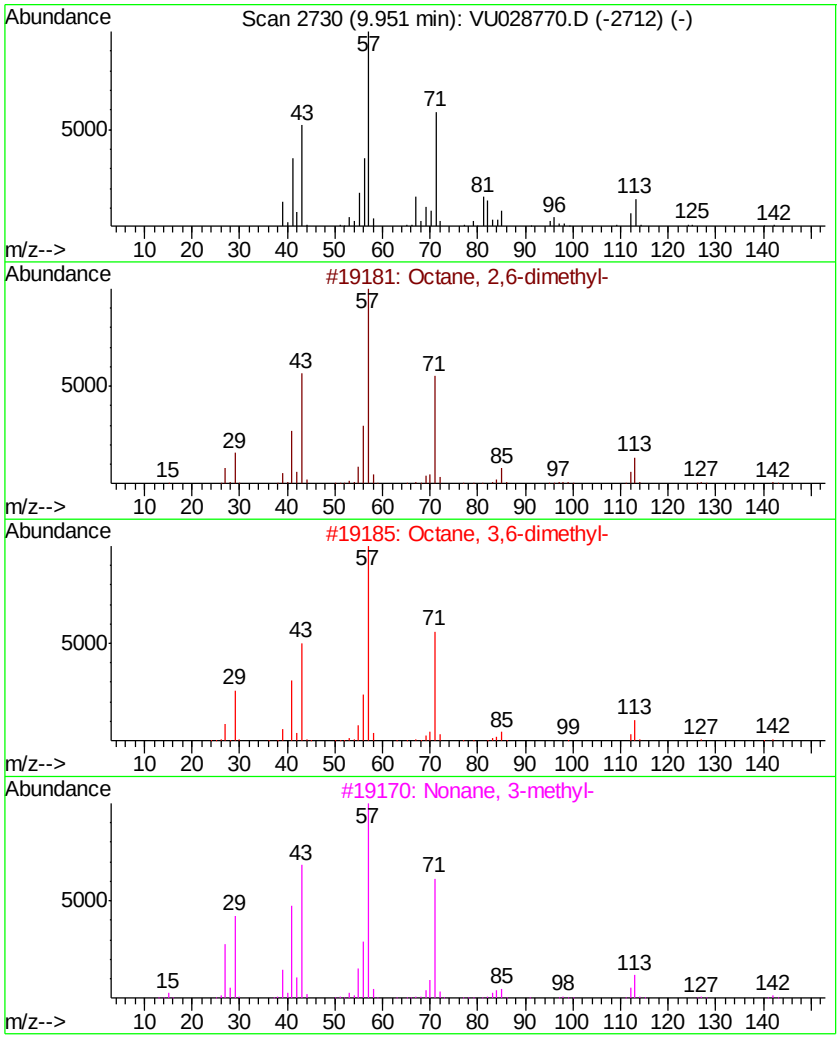
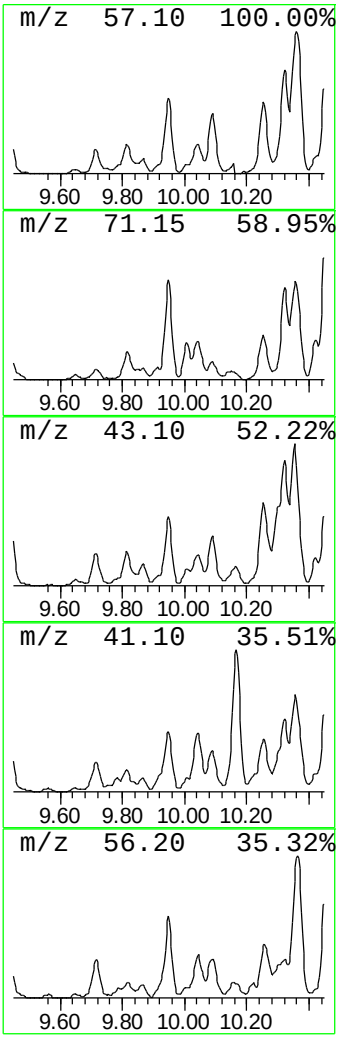
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	10.85 ug/L	135283	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	93
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

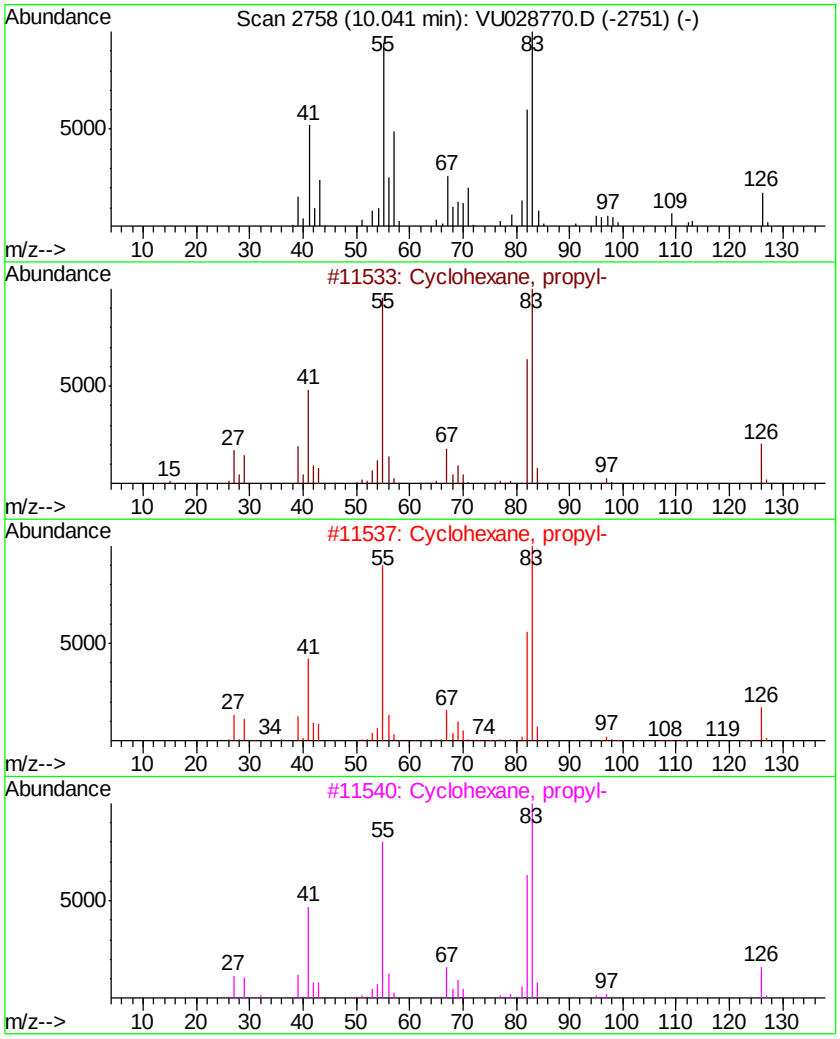
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

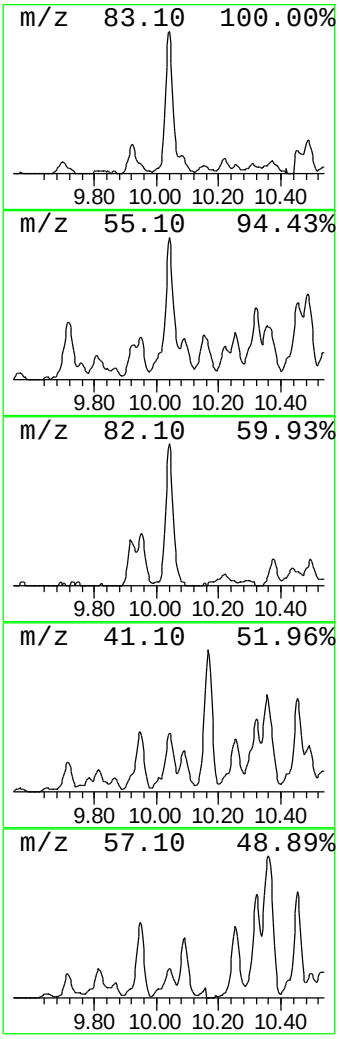
****

Peak Number 5 (DEL) Alkane: Cyclic10.04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	6.38 ug/L	79550	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

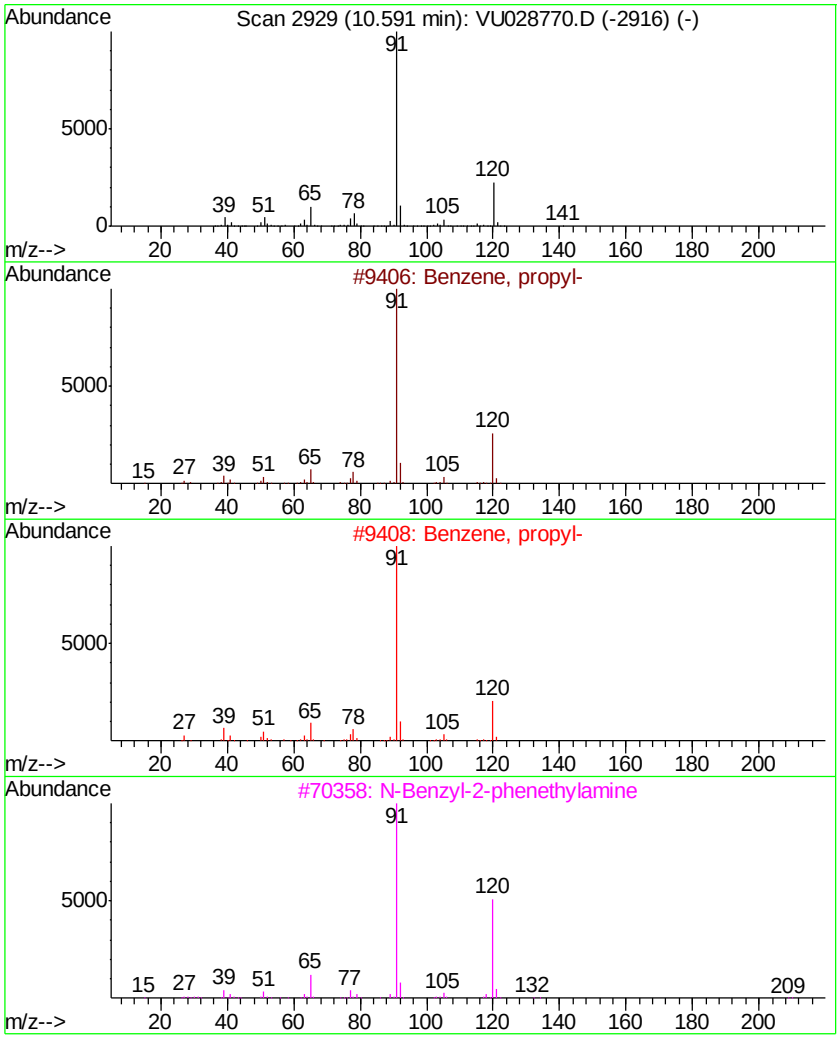
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

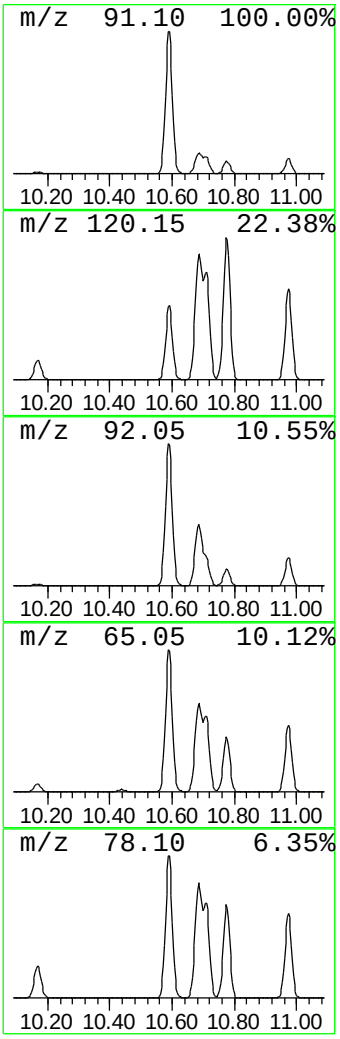
****

Peak Number 6 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	444.55 ug/L	6916210	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	91
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

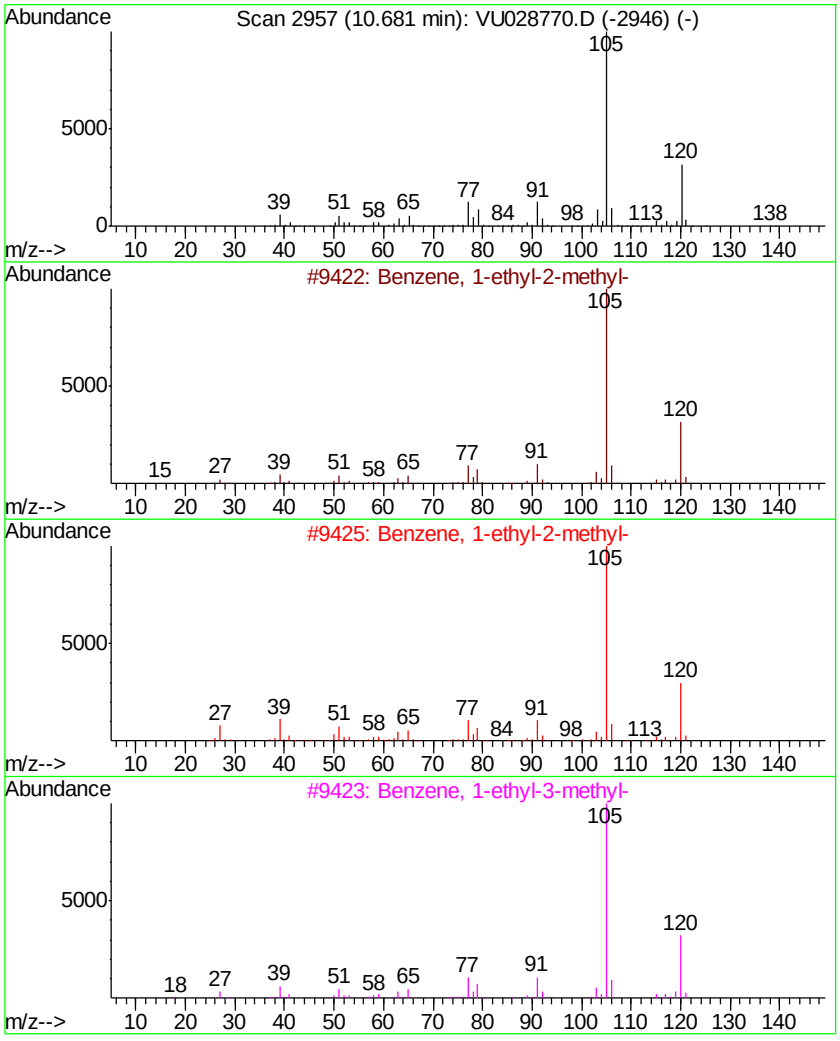
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

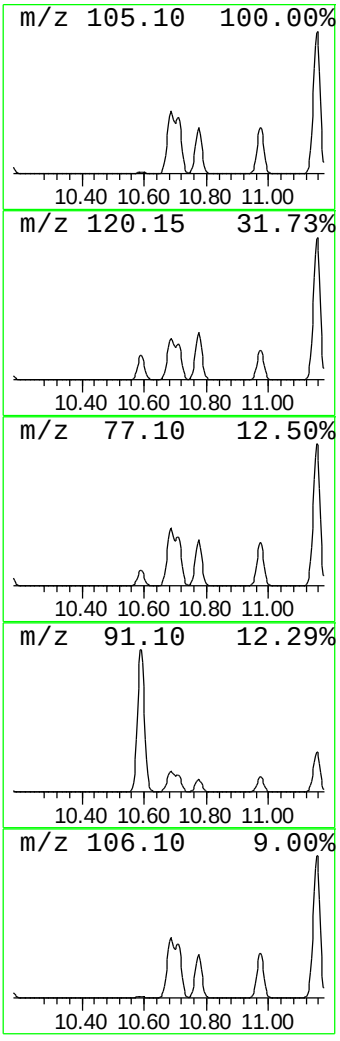
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	746.26 ug/L	11610000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

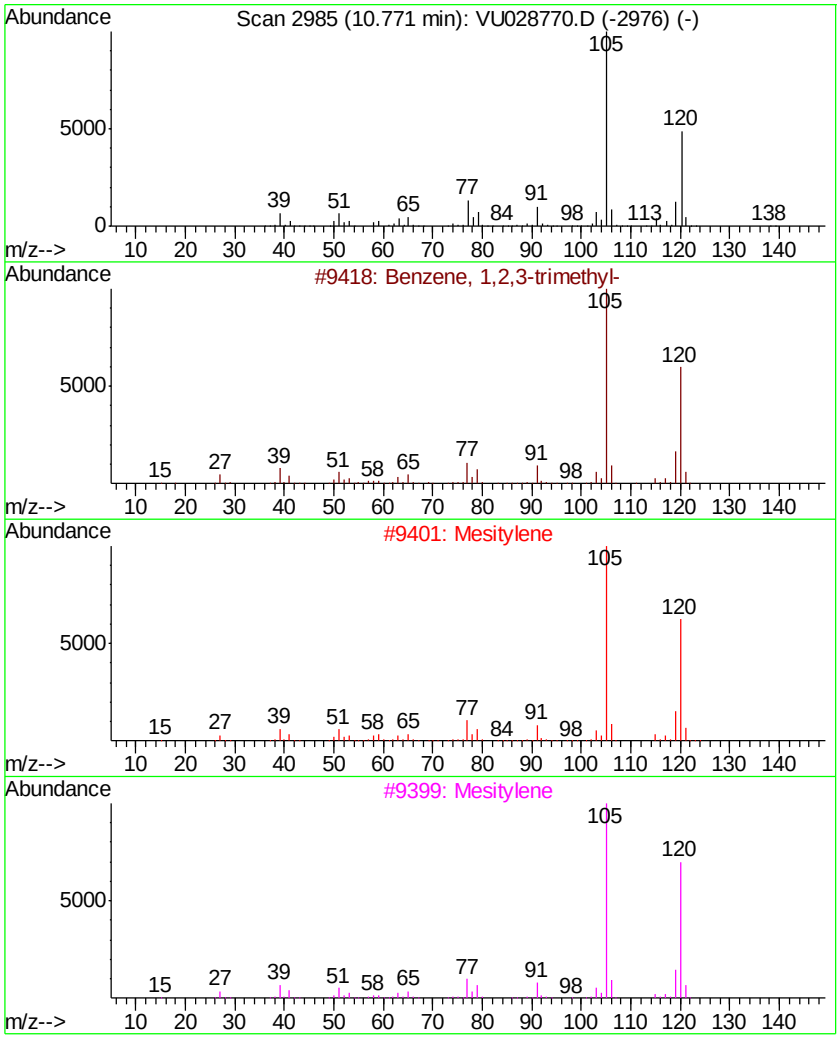
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

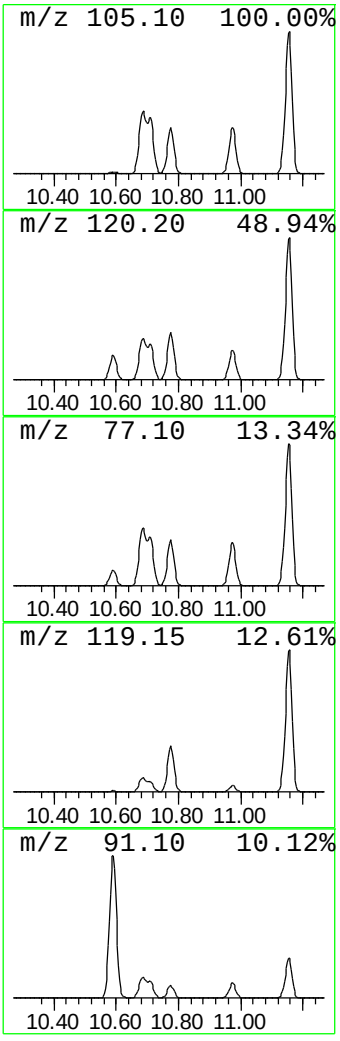
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	532.78 ug/L	8288810	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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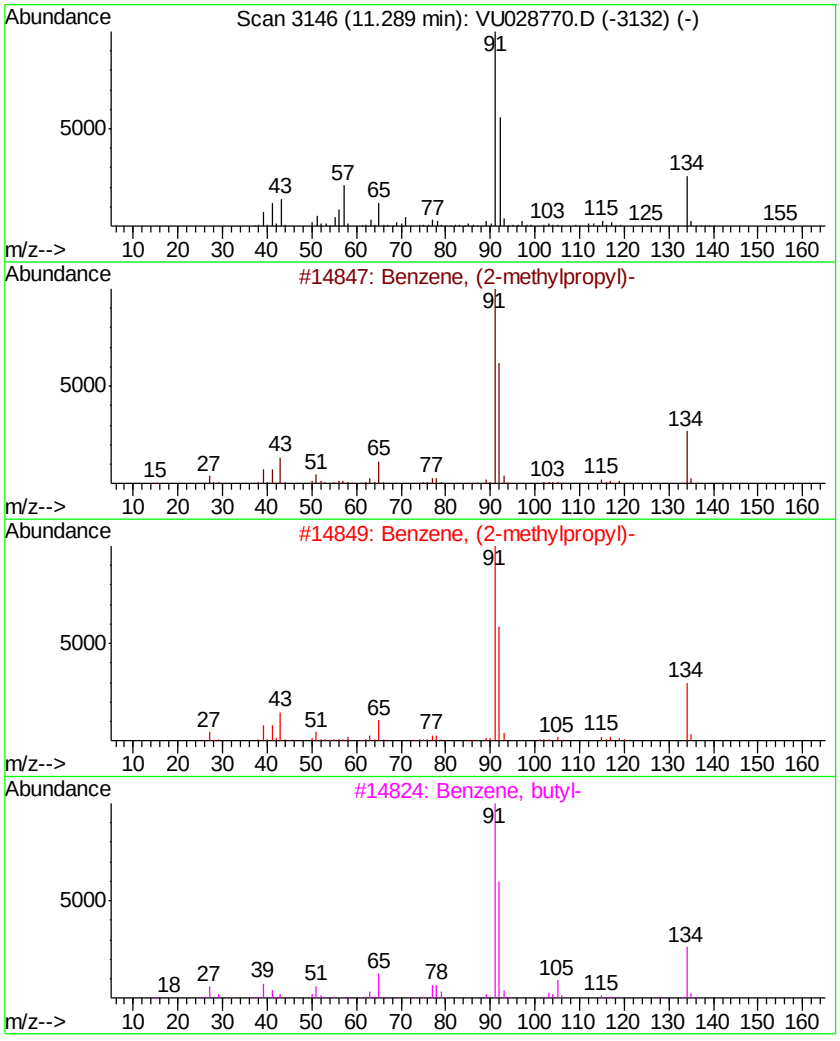
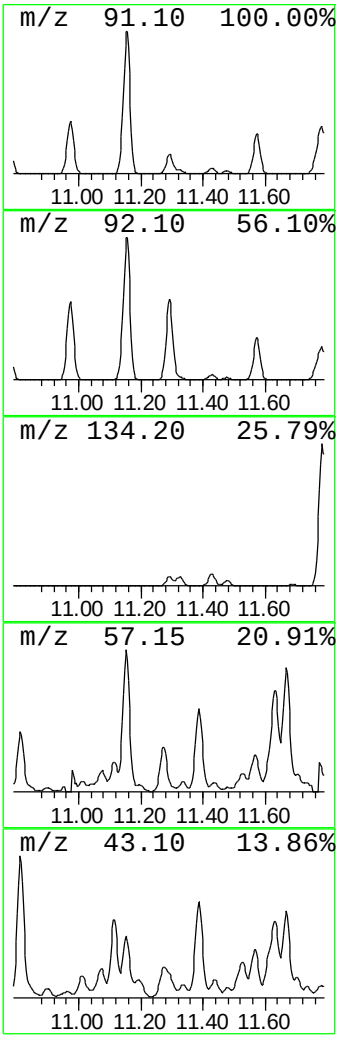
Peak Number 11 Benzene, (2-methylpropyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	41.19 ug/L	640843	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
3	Benzene, butyl-	134	C10H14	000104-51-8	80
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Benzene, butyl-	134	C10H14	000104-51-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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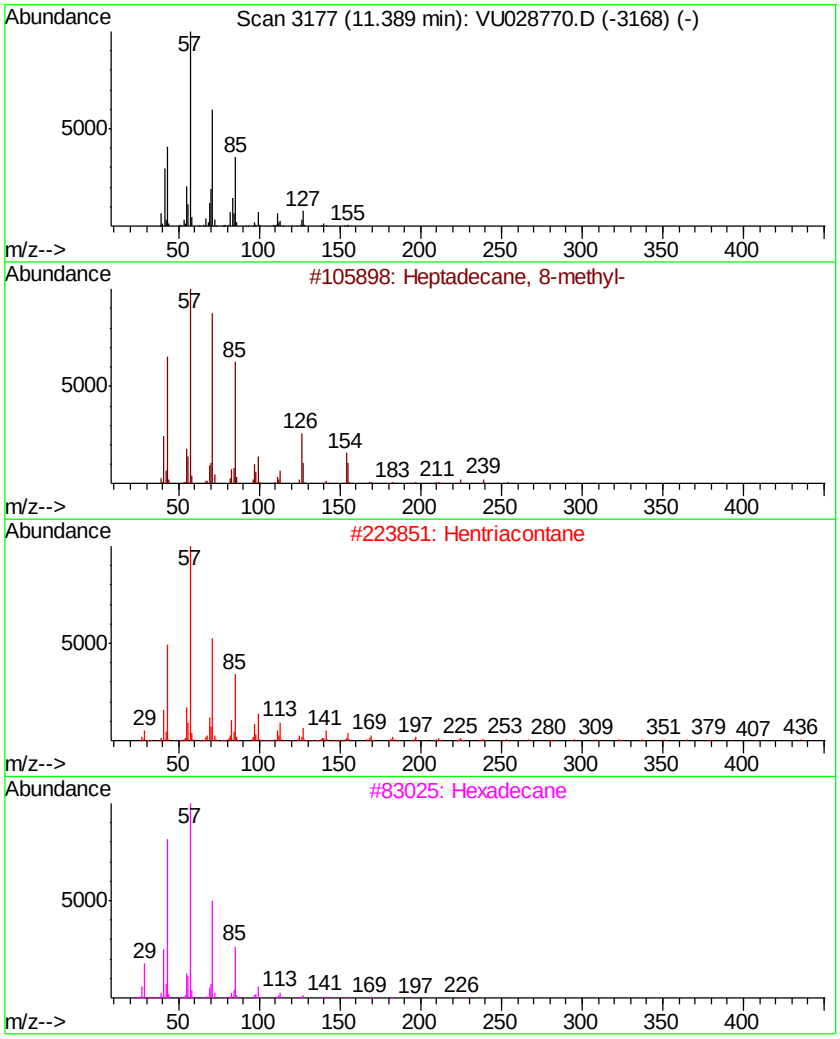
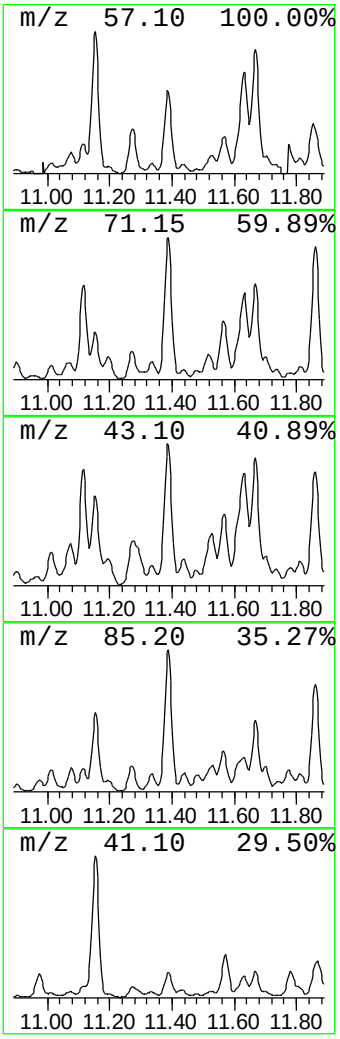
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	45.80 ug/L	712616	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	72
2	Hentriacontane	437	C31H64	000630-04-6	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	72
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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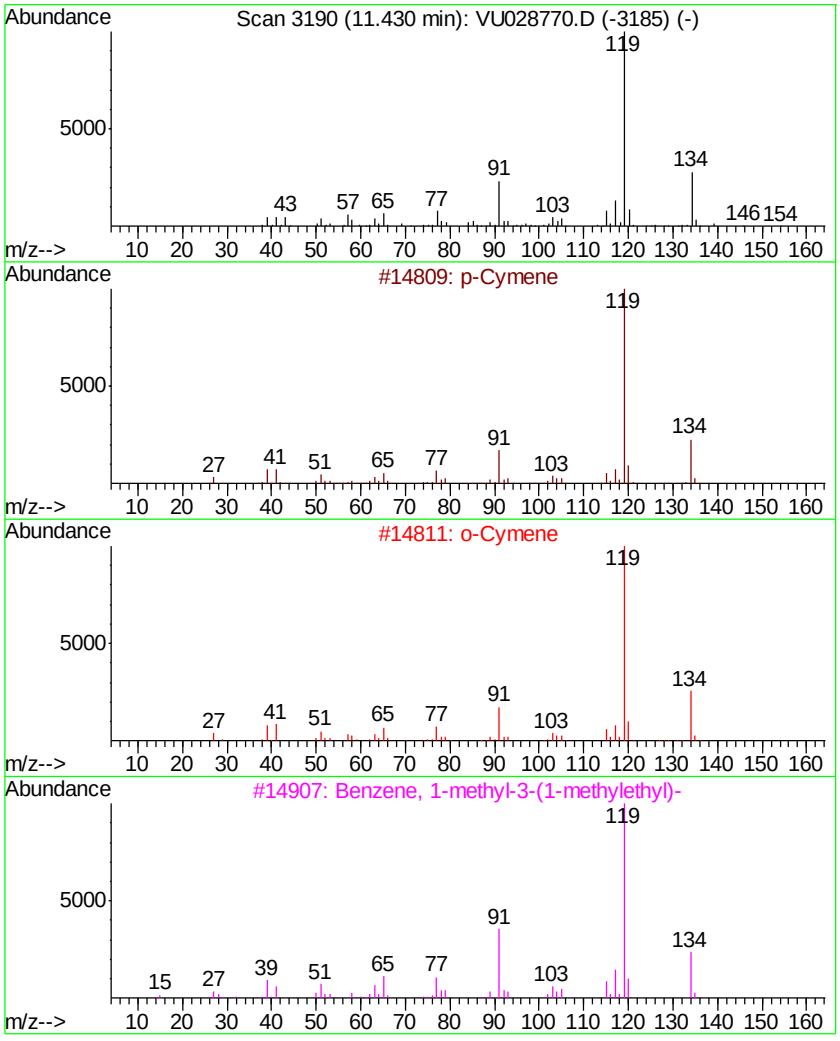
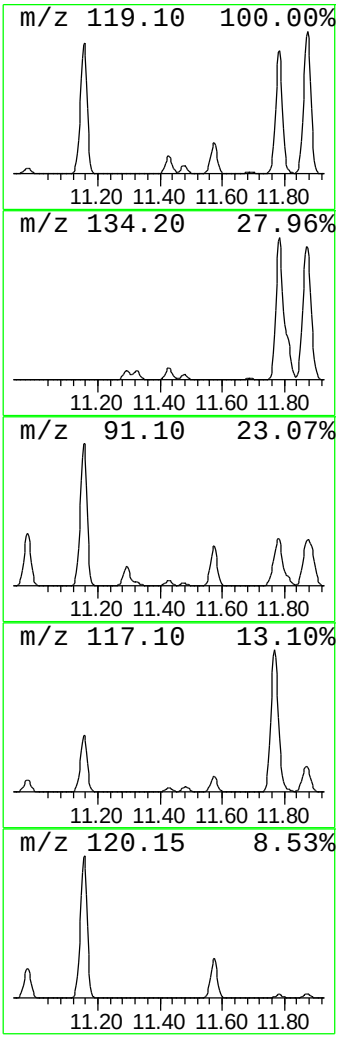
Peak Number 13 p-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	25.54 ug/L	397312	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

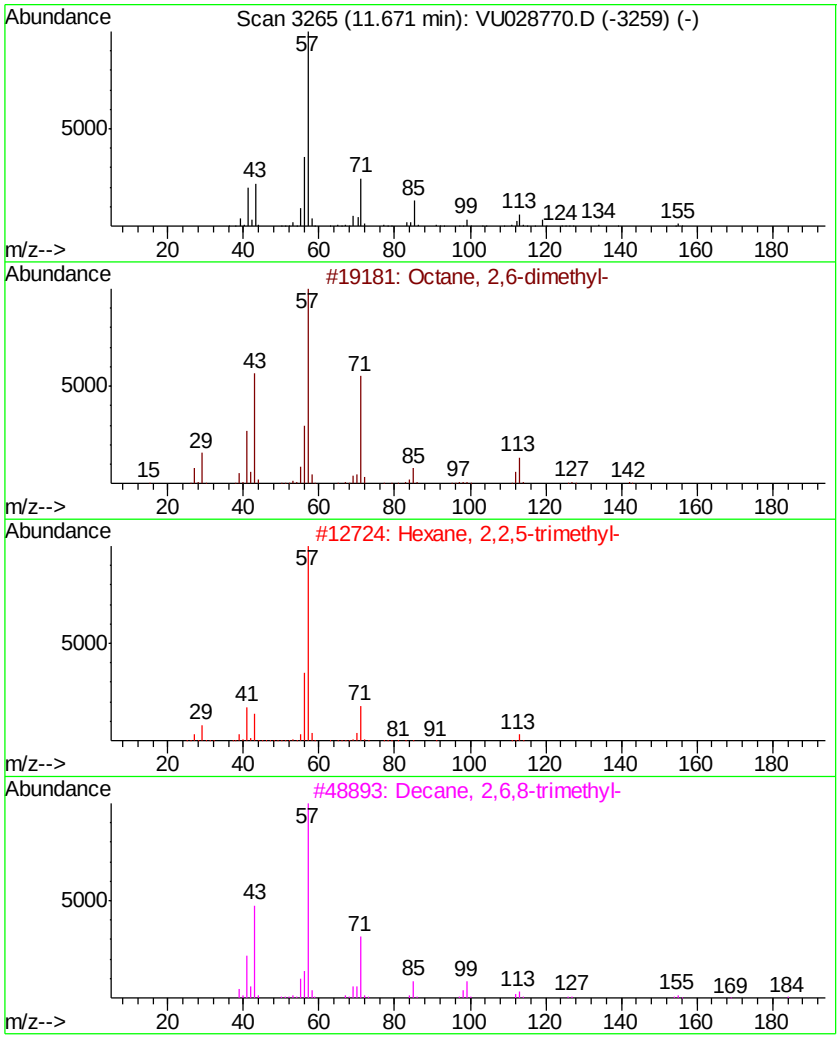
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

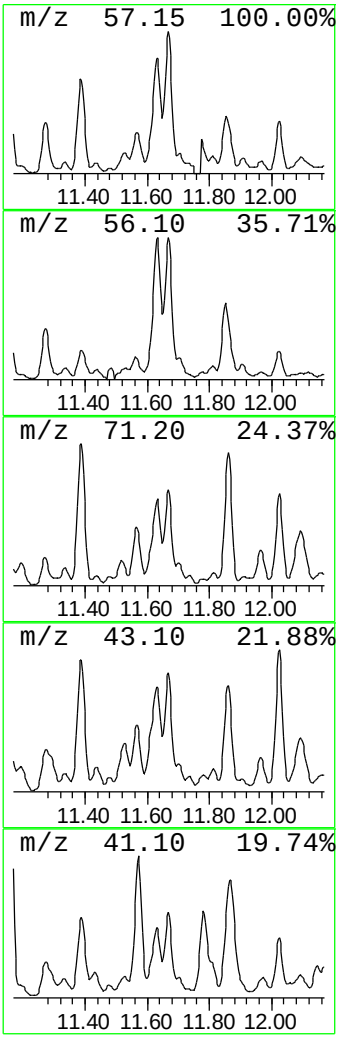
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	30.89 ug/L	480510	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	59
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
5	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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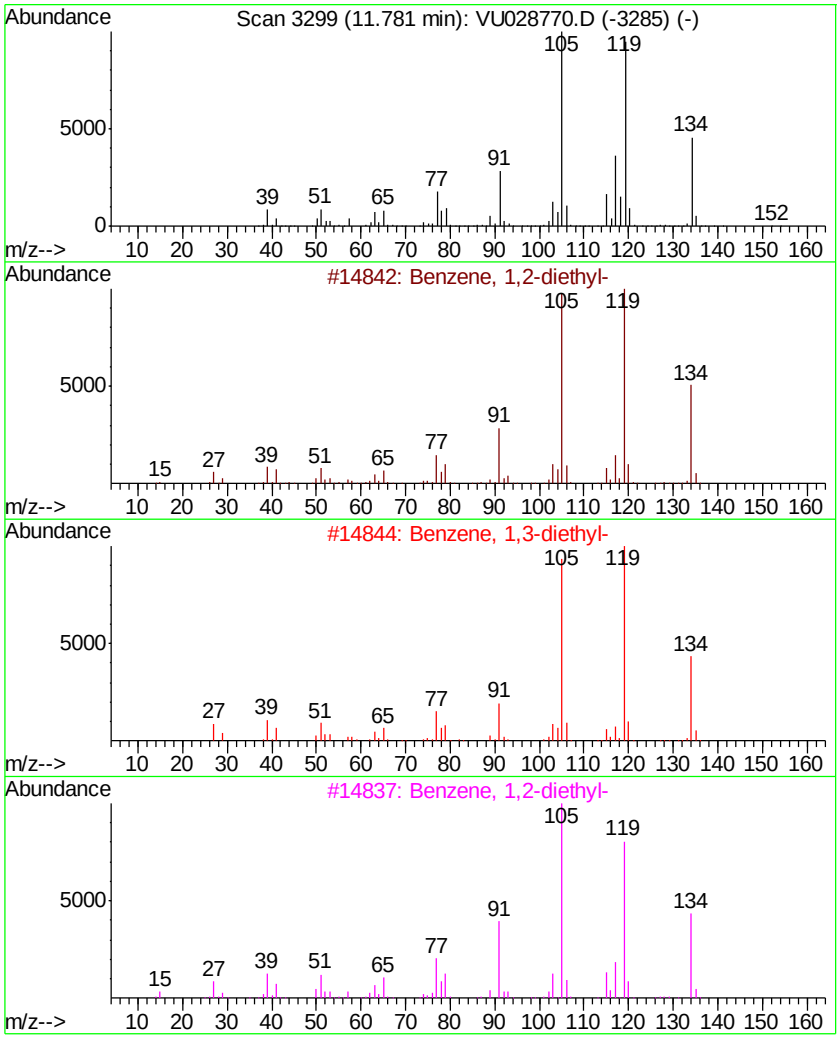
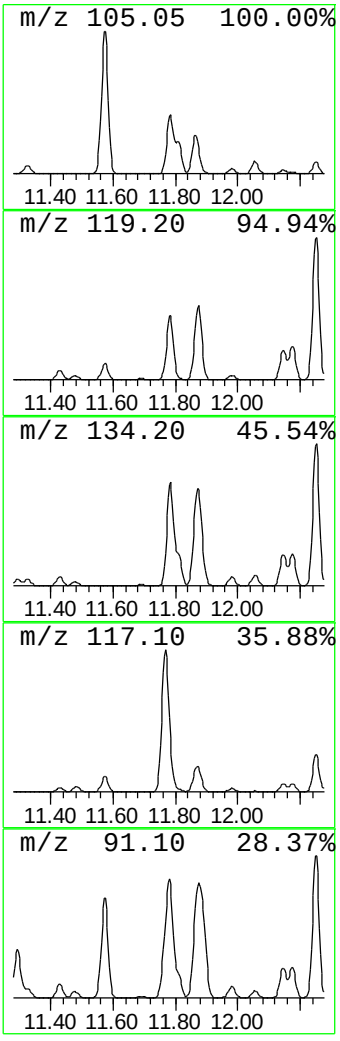
Peak Number 16 Benzene, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	552.06 ug/L	8588790	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	92
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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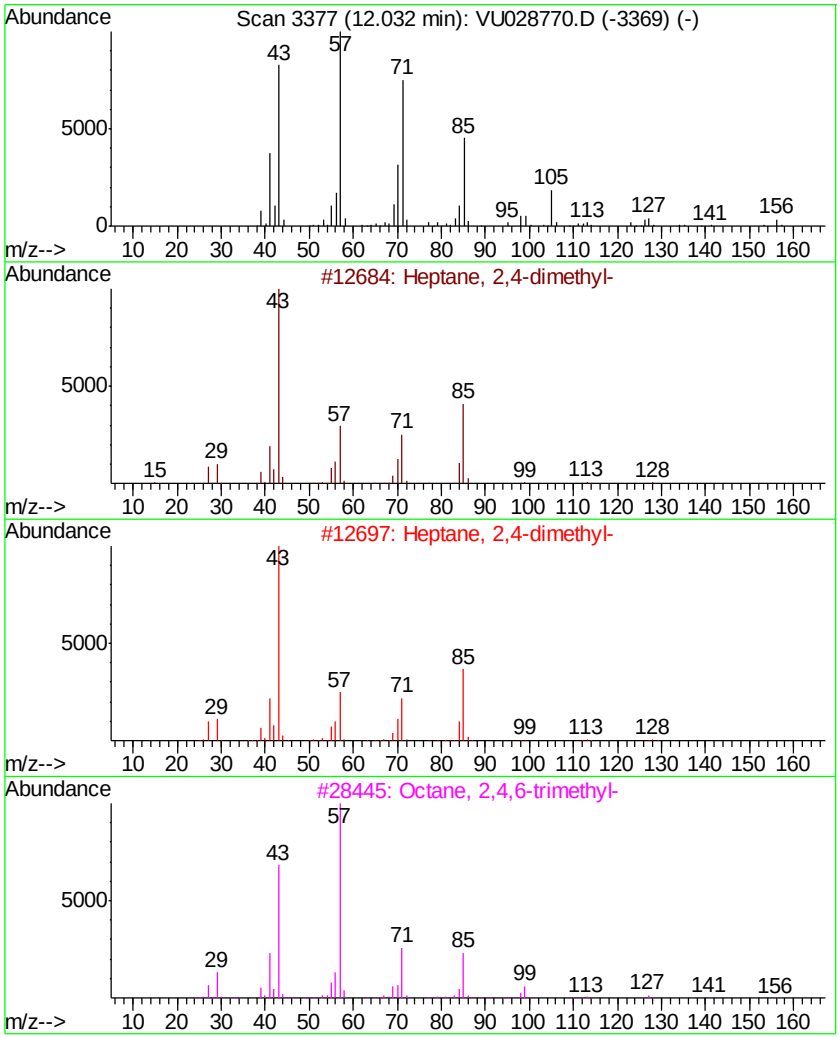
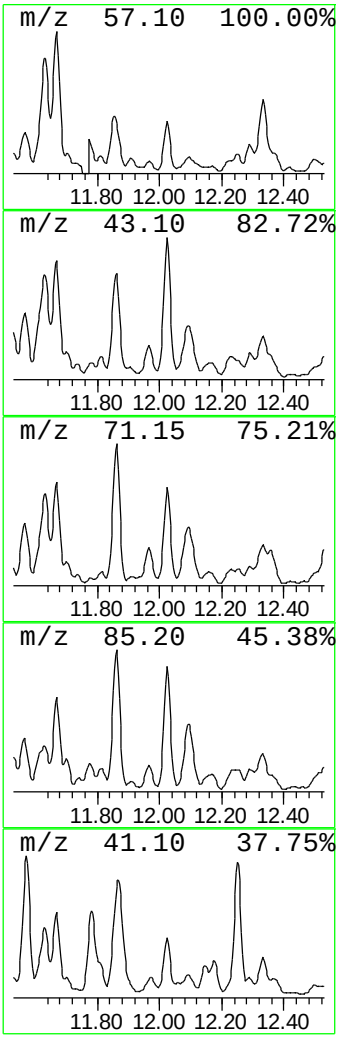
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	16.97 ug/L	264067	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	58
5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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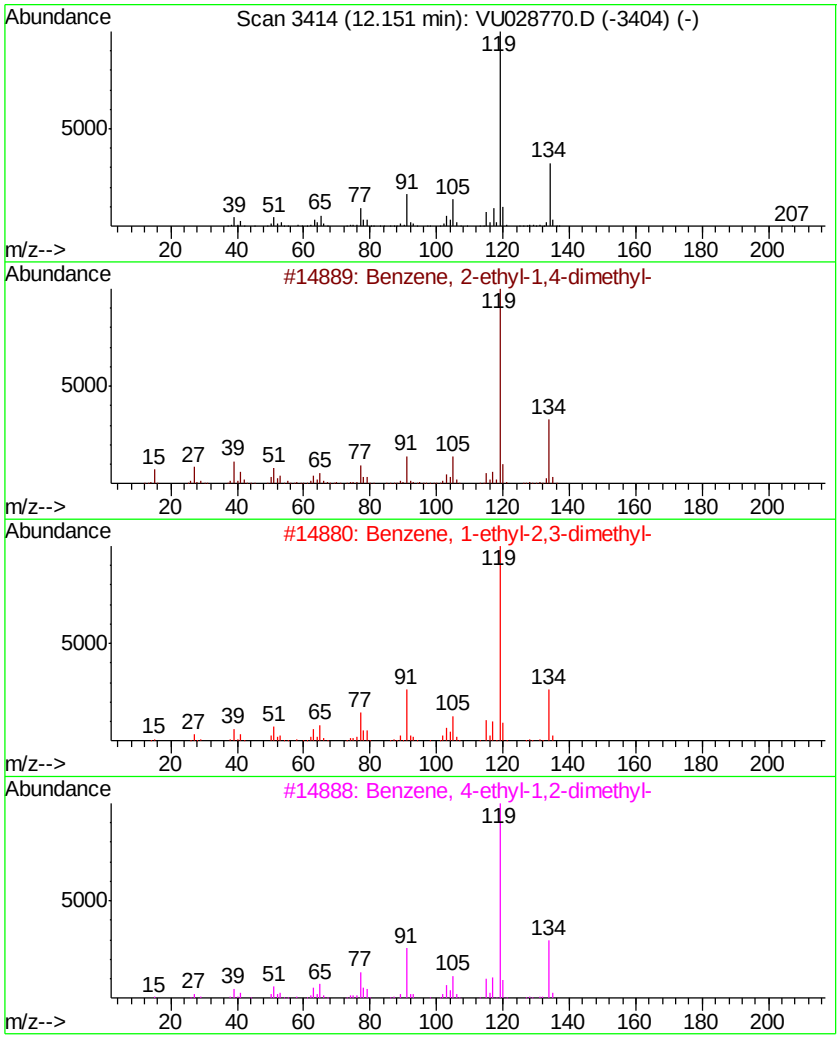
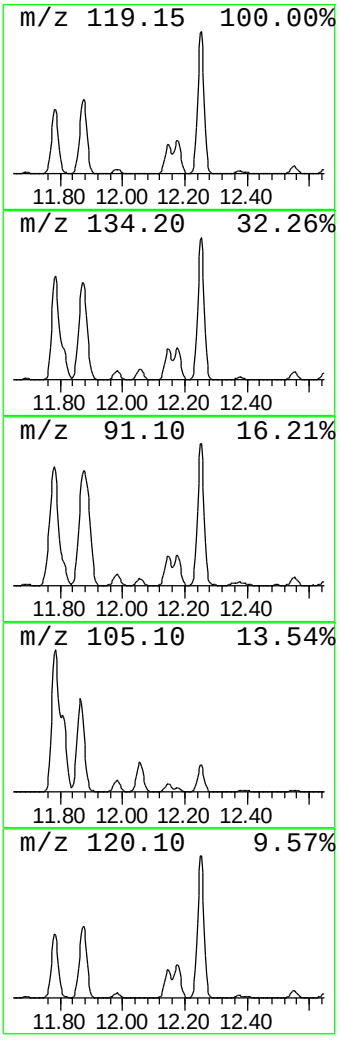
Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	81.43 ug/L	1266810	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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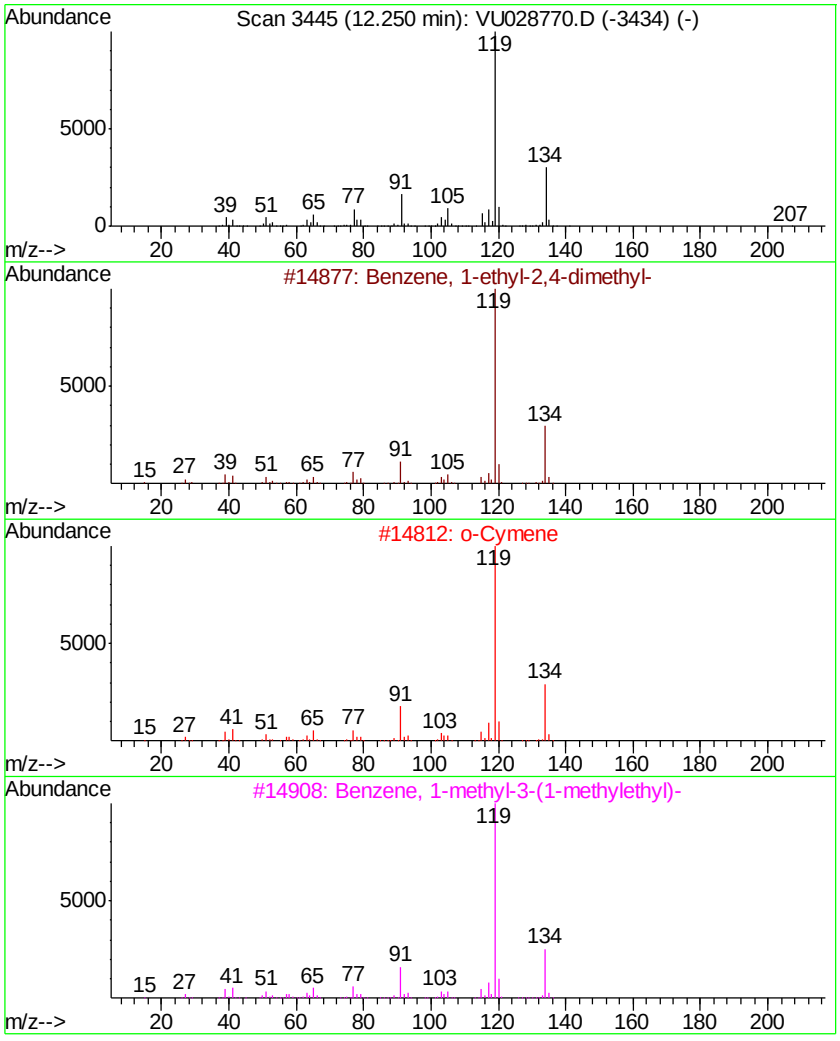
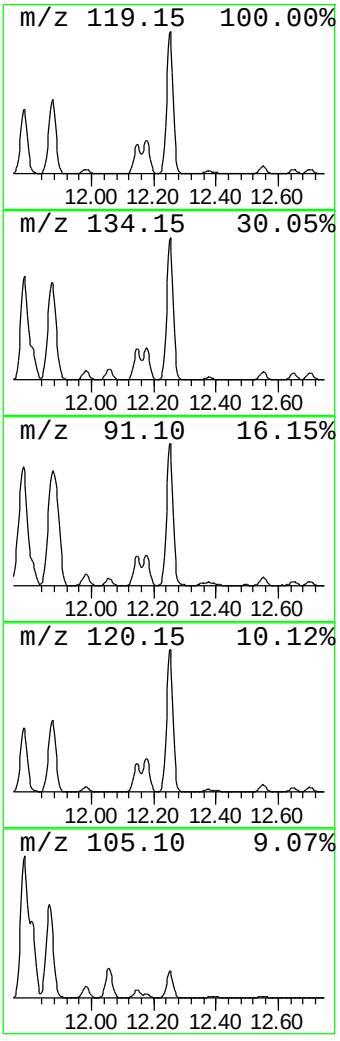
Peak Number 20 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	398.88 ug/L	6205610	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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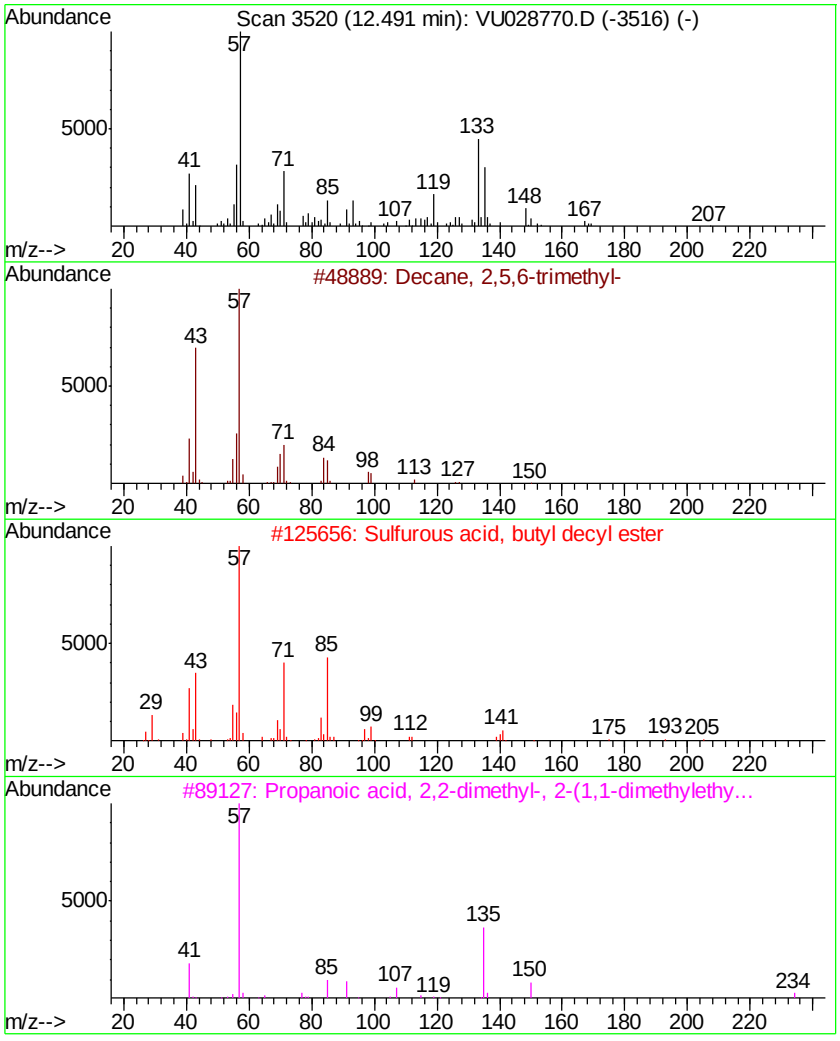
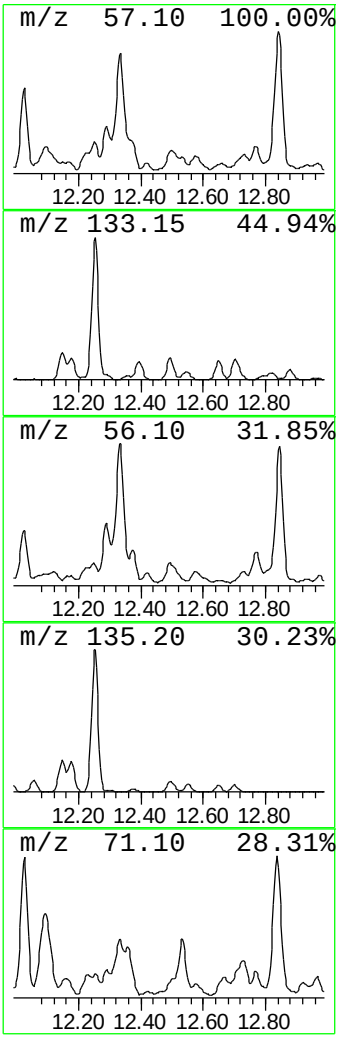
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.10 ug/L	79339	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	27
2	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	22
3	Propanoic acid, 2,2-dimethyl-, 2...	234	C15H22O2	054644-41-6	22
4	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	22
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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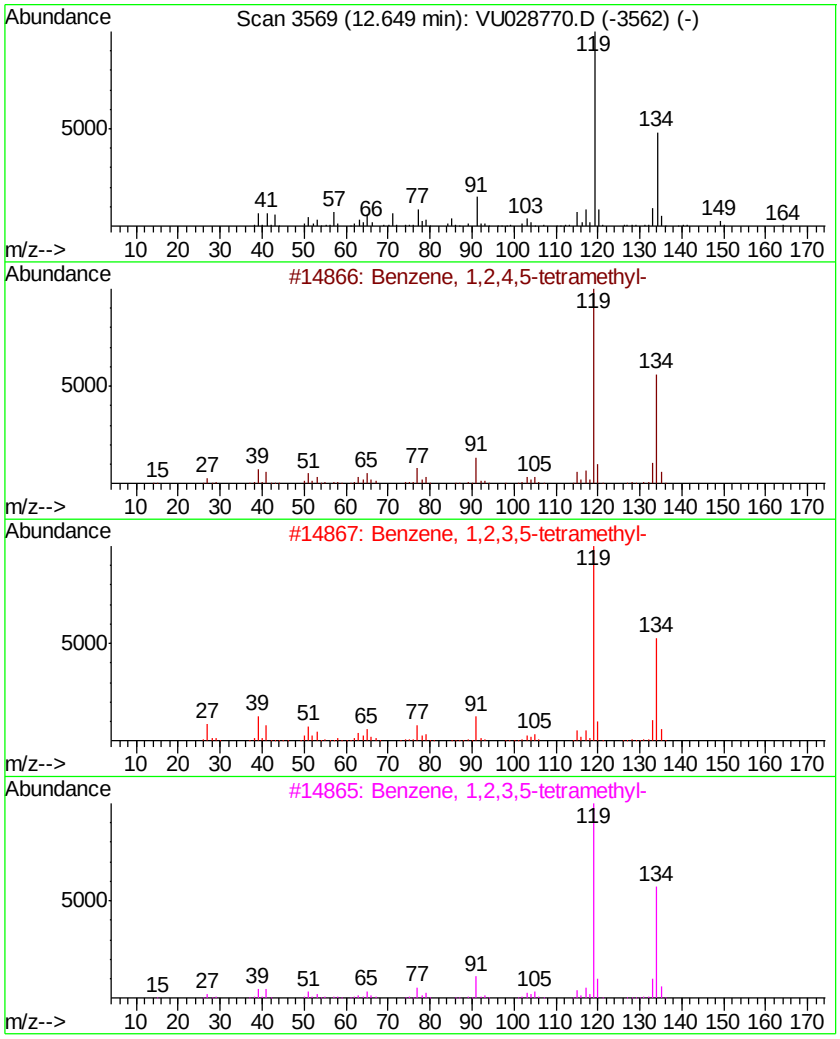
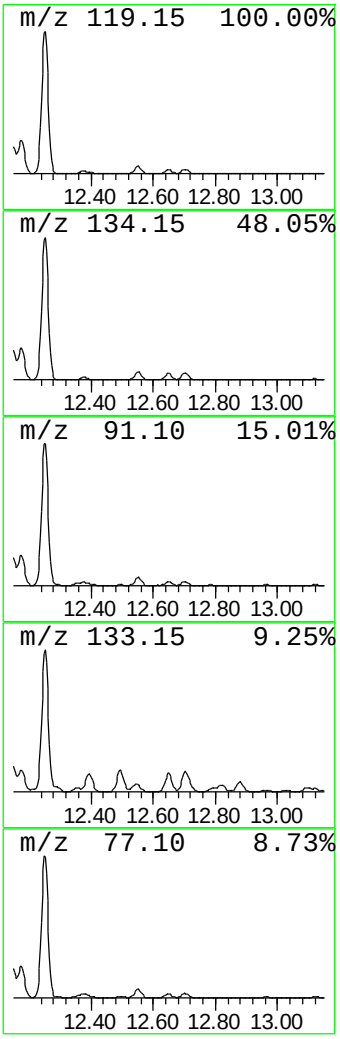
Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	12.49 ug/L	194375	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	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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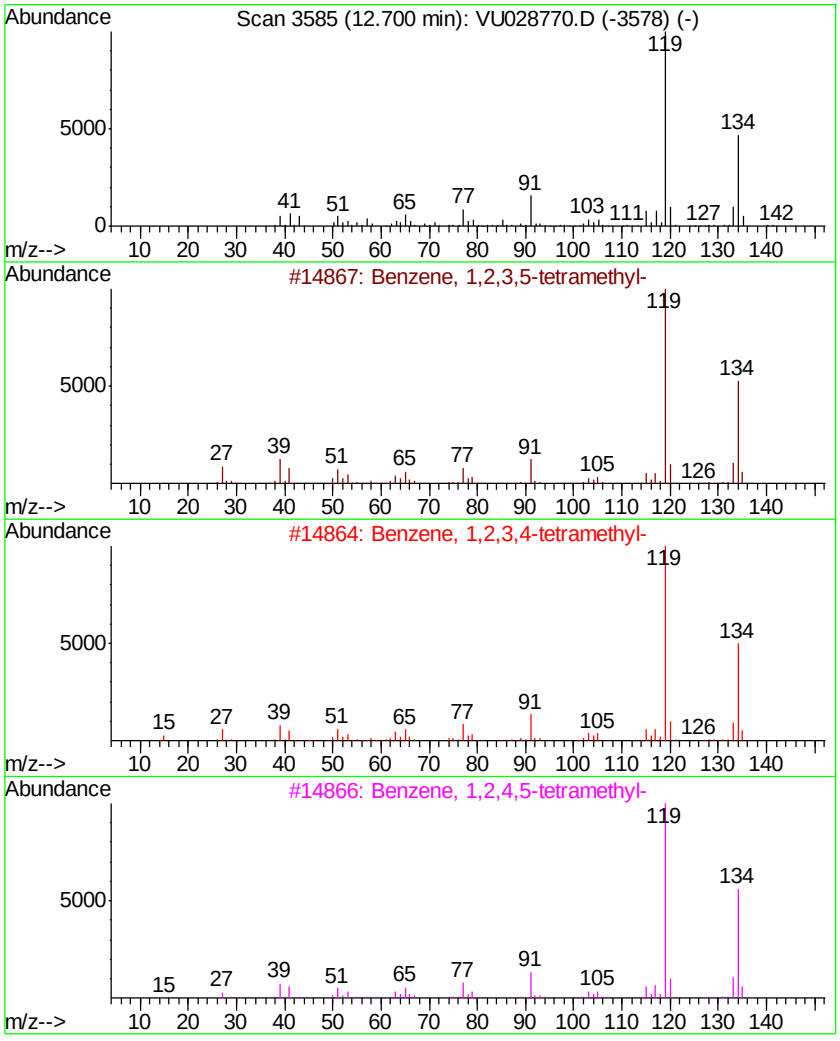
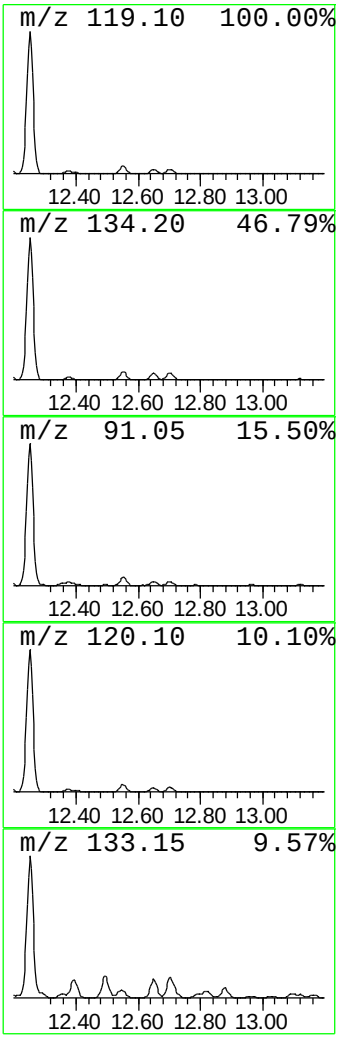
Peak Number 23 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	19.72 ug/L	306779	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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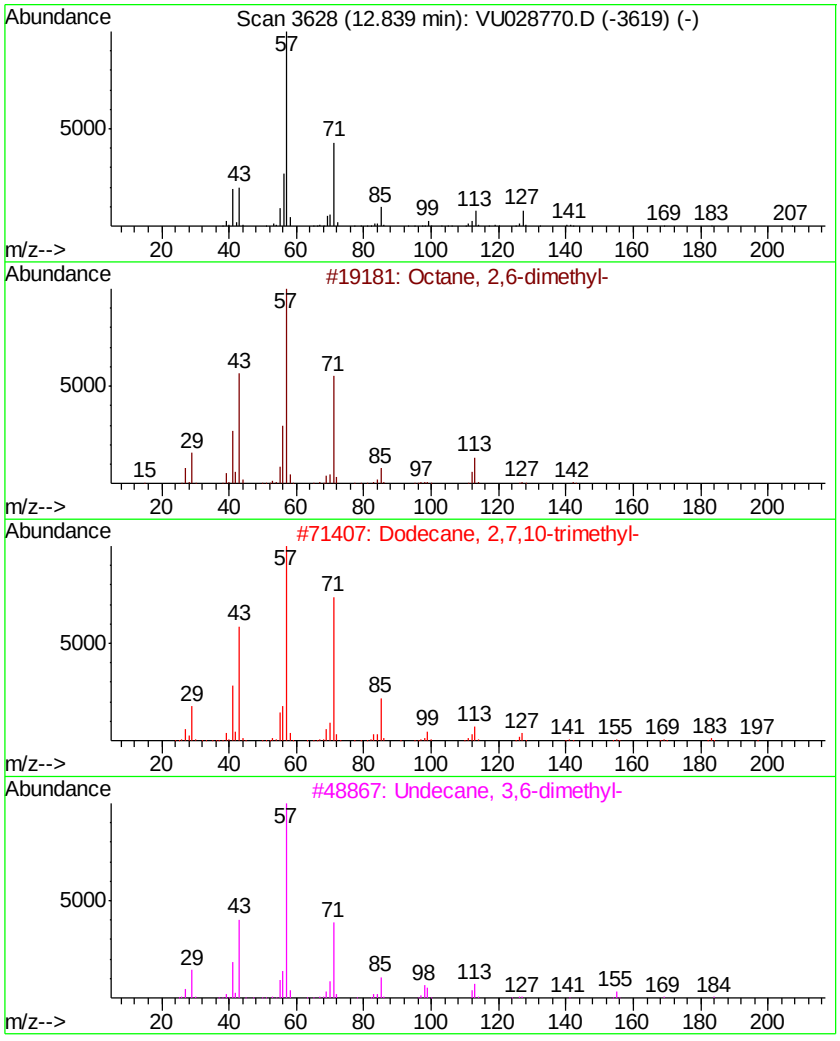
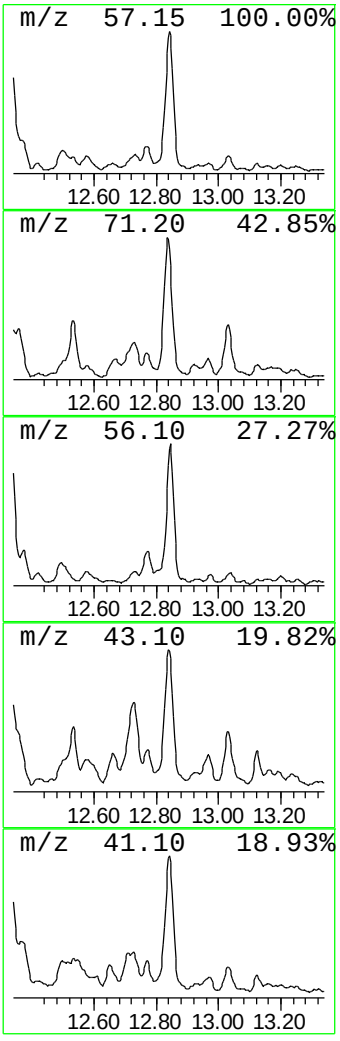
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	33.55 ug/L	521999	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	53
5	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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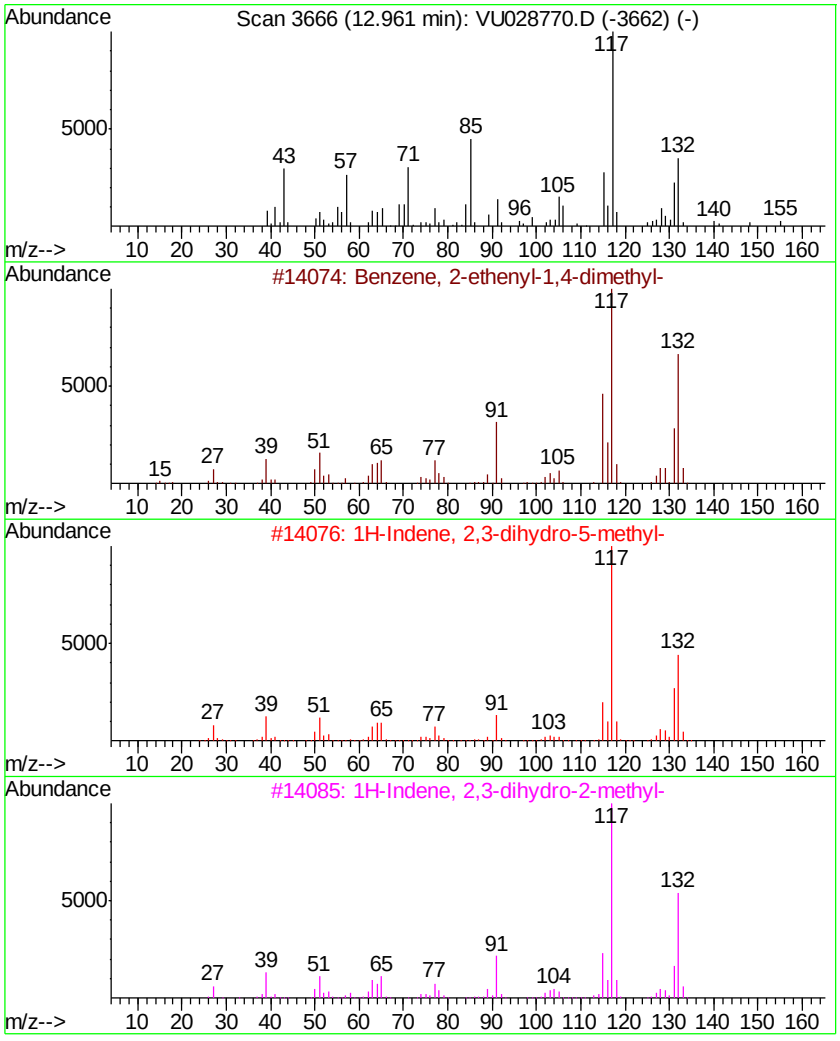
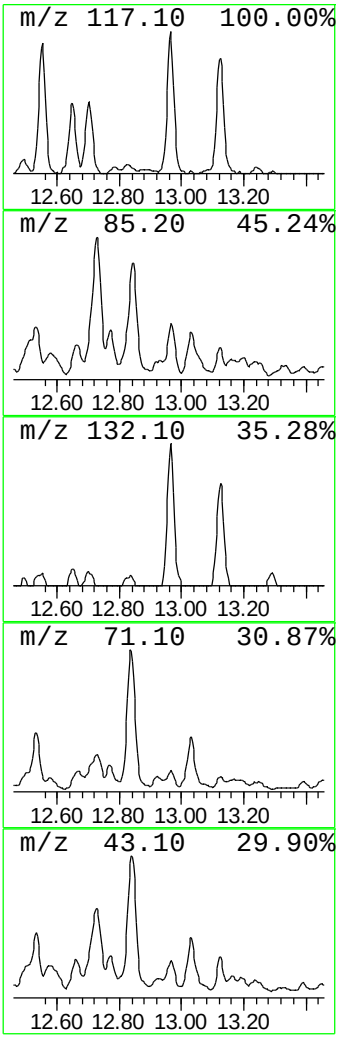
Peak Number 25 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.67 ug/L	88288	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	51
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	50
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50
5	Indan, 1-methyl-	132	C10H12	000767-58-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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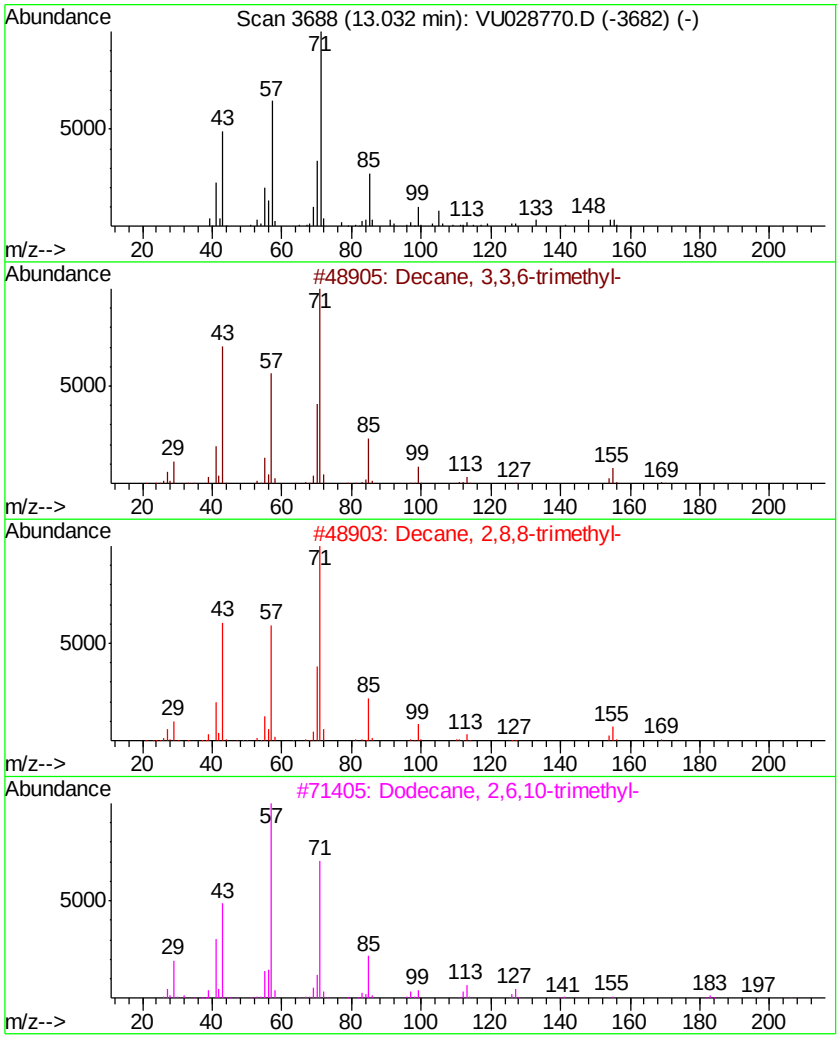
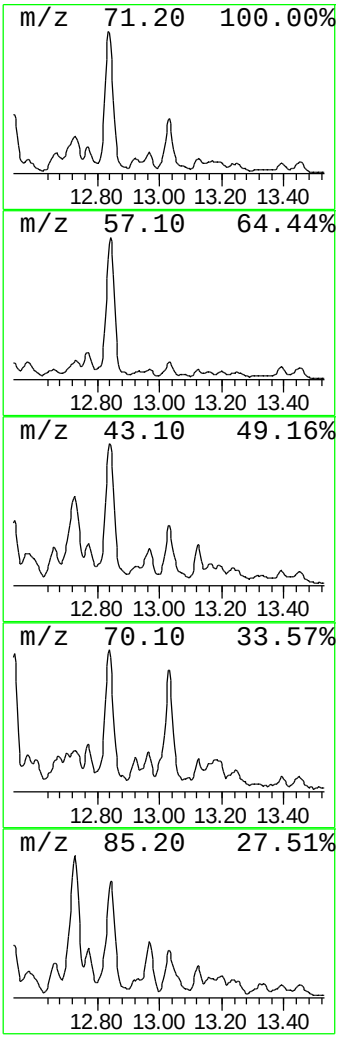
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	5.57 ug/L	86648	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	72
2	Decane, 2,8,8-trimethyl-	184	C13H28	1000060-81-2	64
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Sulfurous acid, 2-pentyl undecyl...	306	C16H34O3S	1000309-16-0	64
5	Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

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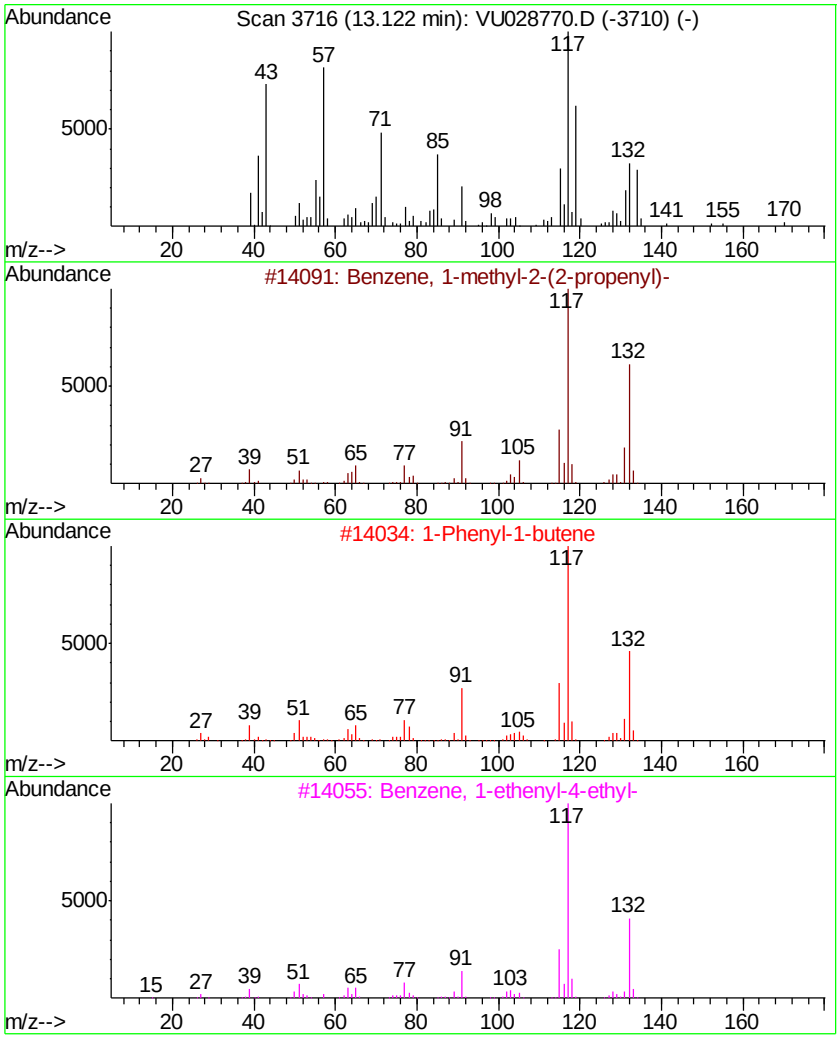
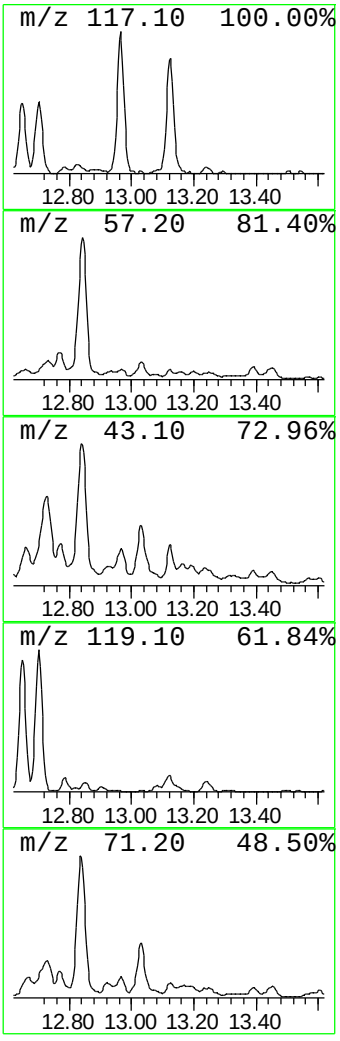
Peak Number 27 Benzene, 1-methyl-2-(2-prop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.99 ug/L	77603	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	46
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	46
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Data File : VU028770.D
Acq On : 18 Dec 2018 15:16
Operator : MD/SY
Sample : J6441-04
Misc : 3.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE8B7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	9.44	5.4	ug/L	67478	2	9.09	623651	50.0
(DEL) Alkane: Cyc...	9.72	4.9	ug/L	60970	2	9.09	623651	50.0
(DEL) Alkane: Str...	9.95	10.9	ug/L	135283	2	9.09	623651	50.0
(DEL) Alkane: Cyc...	10.04	6.4	ug/L	79550	2	9.09	623651	50.0
Benzene, propyl-	10.59	444.6	ug/L	6916210	3	11.48	777883	50.0
Benzene, 1-ethyl-...	10.68	746.3	ug/L	11610000	3	11.48	777883	50.0
Benzene, 1,2,3-tr...	10.77	532.8	ug/L	8288810	3	11.48	777883	50.0
Benzene, (2-methy...	11.29	41.2	ug/L	640843	3	11.48	777883	50.0
(DEL) Alkane: Str...	11.39	45.8	ug/L	712616	3	11.48	777883	50.0
p-Cymene	11.43	25.5	ug/L	397312	3	11.48	777883	50.0
(DEL) Alkane: Str...	11.67	30.9	ug/L	480510	3	11.48	777883	50.0
Benzene, 1,2-diet...	11.78	552.1	ug/L	8588790	3	11.48	777883	50.0
(DEL) Alkane: Str...	12.03	17.0	ug/L	264067	3	11.48	777883	50.0
Benzene, 2-ethyl-...	12.15	81.4	ug/L	1266810	3	11.48	777883	50.0
Benzene, 1-ethyl-...	12.25	398.9	ug/L	6205610	3	11.48	777883	50.0
(DEL) Alkane: Str...	12.49	5.1	ug/L	79339	3	11.48	777883	50.0
Benzene, 1,2,4,5-...	12.65	12.5	ug/L	194375	3	11.48	777883	50.0
Benzene, 1,2,3,5-...	12.70	19.7	ug/L	306779	3	11.48	777883	50.0
(DEL) Alkane: Str...	12.84	33.5	ug/L	521999	3	11.48	777883	50.0
Benzene, 2-etheny...	12.96	5.7	ug/L	88288	3	11.48	777883	50.0
(DEL) Alkane: Str...	13.03	5.6	ug/L	86648	3	11.48	777883	50.0
Benzene, 1-methyl...	13.12	5.0	ug/L	77603	3	11.48	777883	50.0