LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

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\SOMULM012920WMA.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	2.542	362	374	394	rVB	160020	262149	0.28%	0.073%
2	4.706	1024	1047	1093	rBV4	44846	198194	0.21%	0.056%
3	5.105	1154	1171	1193	rVV	134819	324293	0.34%	0.091%
4	5.755	1353	1373	1381	rBV2	358428	875424	0.92%	0.245%
5	5.806	1382	1389	1404	rVV	427628	847075	0.89%	0.237%
6	6.282	1520	1537	1568	rVV	323429	659865	0.69%	0.185%
7	6.726	1660	1675	1686	rVV	188377	408344	0.43%	0.114%
8	6.787	1687	1694	1717	rVV2	106382	217930	0.23%	0.061%
9	7.600	1938	1947	1963	rVB	104119	205135	0.22%	0.057%
10	7.880	2020	2034	2040	rBV	140414	261067	0.27%	0.073%
11	7.928	2040	2049	2060	rVV	430766	816096	0.86%	0.229%
12	7.999	2060	2071	2085	rVV	702209	1249993	1.31%	0.350%
13	8.153	2103	2119	2128	rVV	202699	344806	0.36%	0.097%
14	8.269	2145	2155	2172	rVB3	113967	229686	0.24%	0.064%
15	8.578	2235	2251	2263	rBV2	164982	317820	0.33%	0.089%
16	8.690	2264	2286	2304	rBV2	254764	718299	0.75%	0.201%
17	8.890	2338	2348	2357	rVB	230947	367259	0.39%	0.103%
18	8.951	2357	2367	2376	rBV	186046	320186	0.34%	0.090%
19	9.189	2433	2441	2448	rVV2	191853	333876	0.35%	0.094%
20	9.237	2448	2456	2467	rVV2	250416	419904	0.44%	0.118%
21	9.359	2483	2494	2509	rVB	254073	400564	0.42%	0.112%
22	9.449	2510	2522	2535	rBV	406506	817293	0.86%	0.229%
23	9.600	2555	2569	2583	rBV	6926677	12287024	12.89%	3.444%
24	9.729	2584	2609	2617	rBV	2146979	4417358	4.64%	1.238%
25	9.909	2650	2665	2677	rBV4	89914	227910	0.24%	0.064%
26	10.057	2696	2711	2721	rBV7	280444	761561	0.80%	0.213%
27	10.131	2722	2734	2748	rVB	2622005	4702600	4.94%	1.318%
28	10.272	2762	2778	2794	rBV4	596412	1590551	1.67%	0.446%
29	10.381	2801	2812	2834	rVB5	777860	1887719	1.98%	0.529%
30	10.513	2837	2853	2861	rBV	610189	1196644	1.26%	0.335%
31	10.578	2862	2873	2881	rVB4	174917	343875	0.36%	0.096%
32	10.645	2882	2894	2899	rBV2	478950	825064	0.87%	0.231%
33	10.722	2911	2918	2926	rBV3	133184	216012	0.23%	0.061%
34	10.783	2927	2937	2945	rBV2	585899	1180877	1.24%	0.331%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

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\SOMULM012920WMA.M
Title : VOC Analysis

35	10.832	2946	2952	2972	rVB8	454380	877926	0.92%	0.246%
36	10.934	2975	2984	2990	rBV	361511	575068	0.60%	0.161%
37	10.976	2991	2997	3003	rBV4	133812	177288	0.19%	0.050%
38	11.050	3004	3020	3028	rBV	2843305	5828850	6.12%	1.634%
39	11.134	3035	3046	3061	rVB2	3171680	7248326	7.61%	2.032%
40	11.211	3062	3070	3078	rBV7	117118	210204	0.22%	0.059%
41	11.266	3079	3087	3092	rBV	190417	305323	0.32%	0.086%
42	11.320	3093	3104	3120	rVB3	966656	2268308	2.38%	0.636%
43	11.394	3121	3127	3133	rBV4	193418	290421	0.30%	0.081%
44	11.436	3133	3140	3147	rVV	739374	1078013	1.13%	0.302%
45	11.494	3147	3158	3171	rVV	5809722	9756036	10.24%	2.734%
46	11.565	3171	3180	3194	rVB	1256821	1995317	2.09%	0.559%
47	11.664	3205	3211	3222	rVB4	502787	884888	0.93%	0.248%
48	11.735	3223	3233	3239	rBV	1691819	2765397	2.90%	0.775%
49	11.841	3253	3266	3277	rBV4	739033	2027995	2.13%	0.568%
50	11.922	3278	3291	3301	rBV	2384633	4274509	4.49%	1.198%
51	11.973	3301	3307	3315	rVB	633509	843477	0.89%	0.236%
52	12.021	3316	3322	3340	rVB5	517405	1031381	1.08%	0.289%
53	12.121	3342	3353	3360	rBV	2940074	5236155	5.49%	1.468%
54	12.211	3371	3381	3397	rVB7	3414793	6906463	7.25%	1.936%
55	12.343	3409	3422	3433	rBV2	17656837	28936268	30.37%	8.110%
56	12.404	3434	3441	3455	rVB5	1222036	2419003	2.54%	0.678%
57	12.491	3460	3468	3470	rBV	824865	1015627	1.07%	0.285%
58	12.520	3472	3477	3490	rVV3	1511040	2405878	2.52%	0.674%
59	12.594	3494	3500	3508	rVB	1354962	1886113	1.98%	0.529%
60	12.706	3524	3535	3539	rBV2	880076	1708014	1.79%	0.479%
61	12.770	3551	3555	3565	rVB2	1331940	1865458	1.96%	0.523%
62	12.831	3567	3574	3577	rBV3	689664	909077	0.95%	0.255%
63	12.860	3578	3583	3591	rVB	1147179	1560585	1.64%	0.437%
64	12.947	3601	3610	3619	rBV2	2241152	4062624	4.26%	1.139%
65	13.053	3633	3643	3646	rBV	2283812	3658262	3.84%	1.025%
66	13.166	3660	3678	3690	rBV6	1062598	3862070	4.05%	1.082%
67	13.311	3716	3723	3735	rVB3	1768723	2998764	3.15%	0.840%
68	13.375	3737	3743	3751	rBV3	633458	821199	0.86%	0.230%
69	13.426	3753	3759	3761	rBV	562231	627949	0.66%	0.176%
70	13.475	3763	3774	3786	rVV4	5439256	11126216	11.68%	3.118%
71	13.542	3786	3795	3804	rVV2	5725223	8618725	9.04%	2.416%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

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\SOMULM012920WMA.M
Title : VOC Analysis

72	13.613	3812	3817	3818	rBV	633647	532945	0.56%	0.149%
73	13.651	3820	3829	3852	rVB	7742092	15100819	15.85%	4.232%
74	13.754	3853	3861	3869	rVB3	1403681	2156316	2.26%	0.604%
75	13.809	3870	3878	3886	rBV	1427372	2224771	2.33%	0.624%
76	13.864	3887	3895	3910	rBV4	1799862	3993929	4.19%	1.119%
77	13.979	3924	3931	3943	rVB3	1932326	3686851	3.87%	1.033%
78	14.134	3961	3979	3991	rVB2	36962983	95290132	100.00%	26.707%
79	14.368	4046	4052	4060	rBV3	653068	892450	0.94%	0.250%
80	14.500	4084	4093	4098	rBV3	1069721	1907403	2.00%	0.535%
81	14.690	4142	4152	4163	rBV5	2053005	3935980	4.13%	1.103%
82	14.896	4209	4216	4225	rVB2	1089779	1697666	1.78%	0.476%
83	15.040	4251	4261	4270	rBV6	665430	1460078	1.53%	0.409%
84	15.246	4310	4325	4335	rBV	18018026	29966457	31.45%	8.399%
85	15.359	4355	4360	4367	rVB4	156611	202703	0.21%	0.057%
86	15.429	4370	4382	4404	rVB	6499754	10740054	11.27%	3.010%
87	15.963	4542	4548	4561	rVB	277402	468768	0.49%	0.131%
88	16.159	4599	4609	4618	rBV	886285	1355412	1.42%	0.380%
89	16.275	4633	4645	4664	rVB	1176513	2022775	2.12%	0.567%
90	16.420	4680	4690	4697	rBV	858525	1391324	1.46%	0.390%
91	16.458	4697	4702	4718	rVB	552201	841993	0.88%	0.236%
92	16.648	4746	4761	4770	rBV	287959	623020	0.65%	0.175%
93	16.796	4799	4807	4827	rVB2	140071	247379	0.26%	0.069%
94	16.892	4828	4837	4848	rBV	267753	410811	0.43%	0.115%
95	16.989	4860	4867	4878	rVB2	139937	221480	0.23%	0.062%
96	17.108	4893	4904	4921	rBV2	610654	1232086	1.29%	0.345%
97	17.336	4971	4975	4983	rVV	113181	161512	0.17%	0.045%
98	17.388	4984	4991	5010	rVB2	142842	328794	0.35%	0.092%
99	17.548	5033	5041	5053	rVB3	129350	226786	0.24%	0.064%
100	17.616	5054	5062	5071	rBV3	106566	179494	0.19%	0.050%

Sum of corrected areas: 356795818

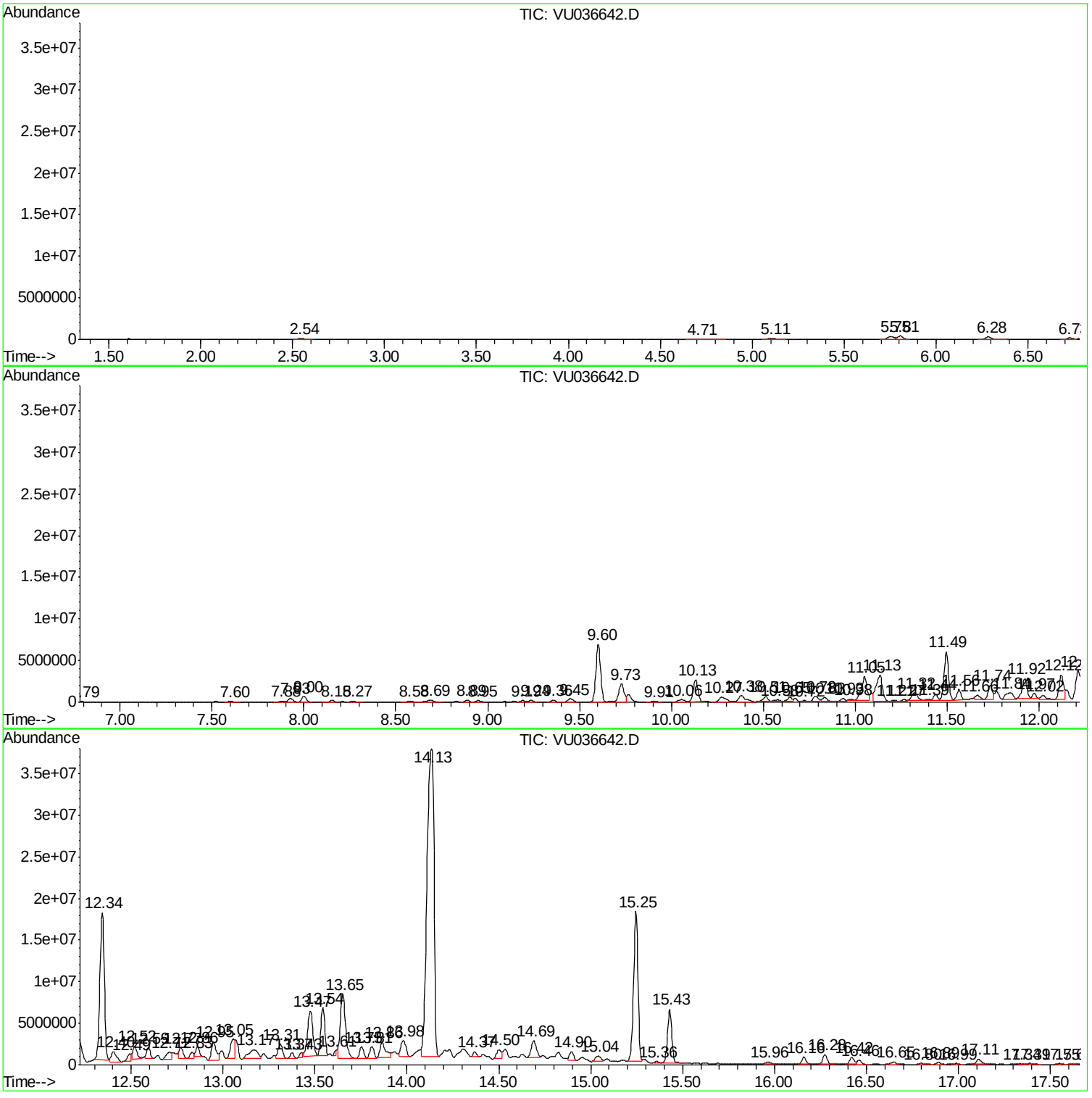
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

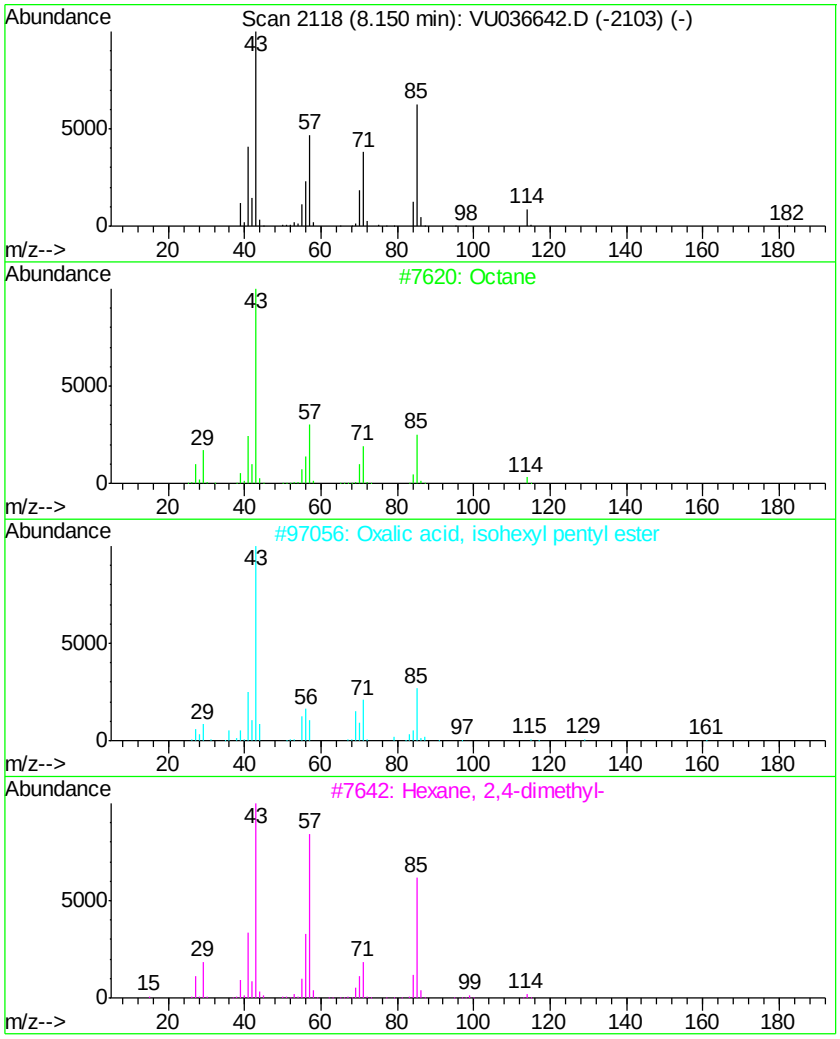
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

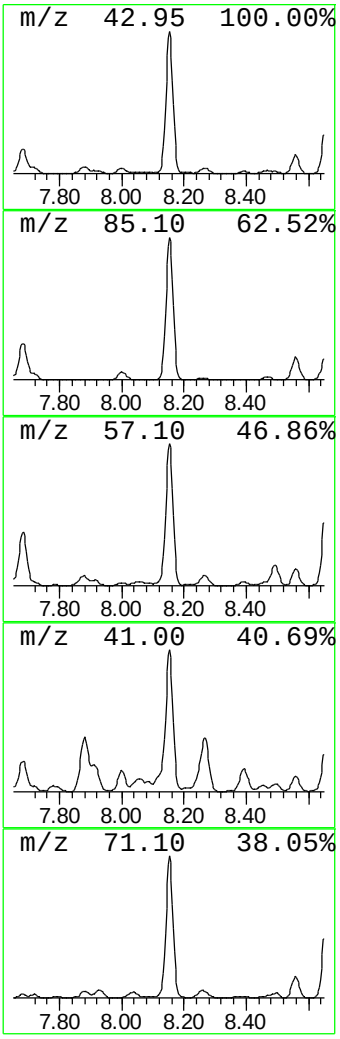
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	21.09 ug/L	344806	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	83
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

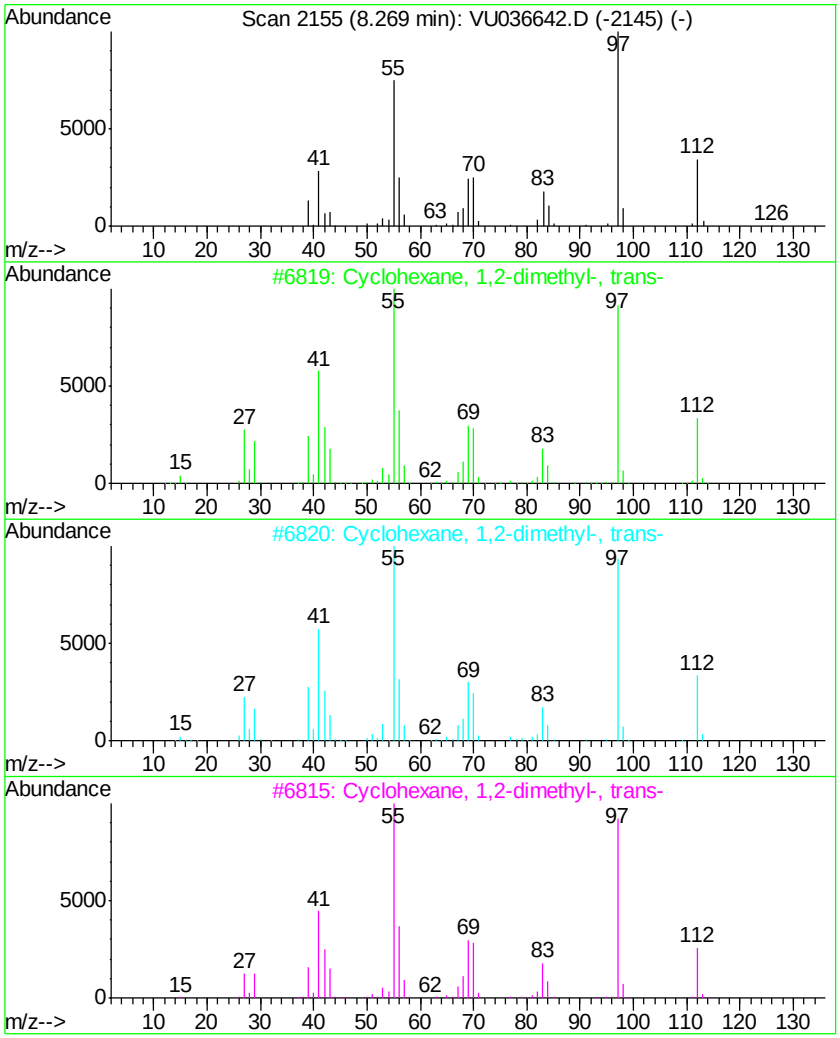
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

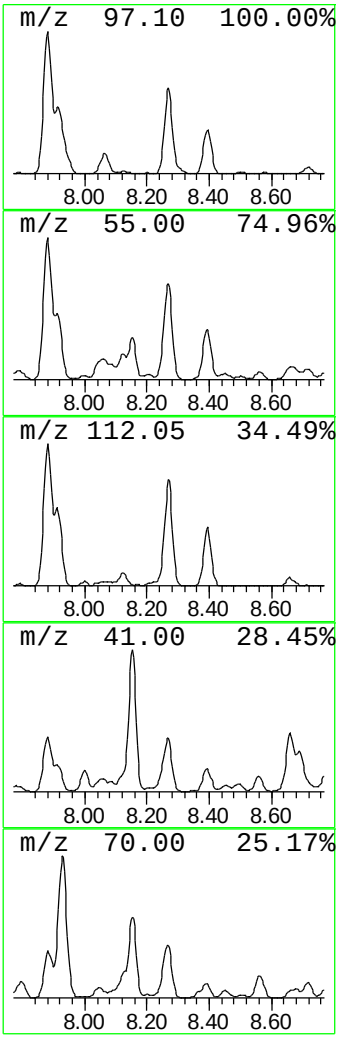
****

Peak Number 3 (DEL) Alkane: Cyclic8.27 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	14.05 ug/L	229686	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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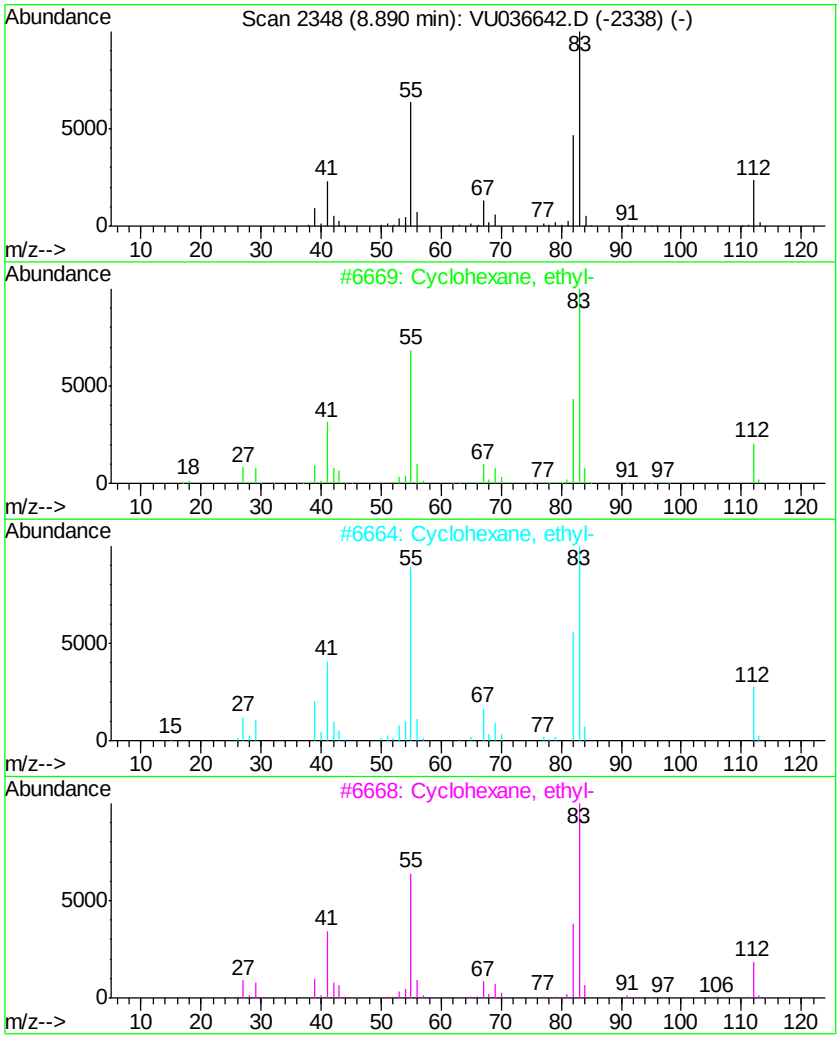
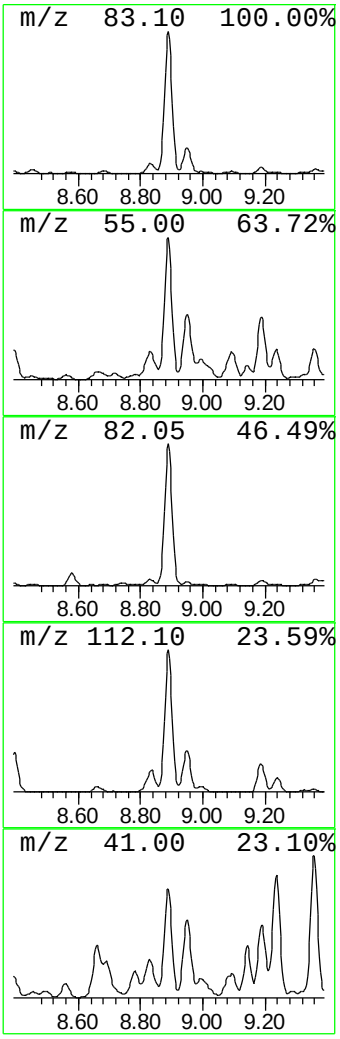
Peak Number 4 (DEL) Alkane: Cyclic8.89 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	22.47 ug/L	367259	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	76
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

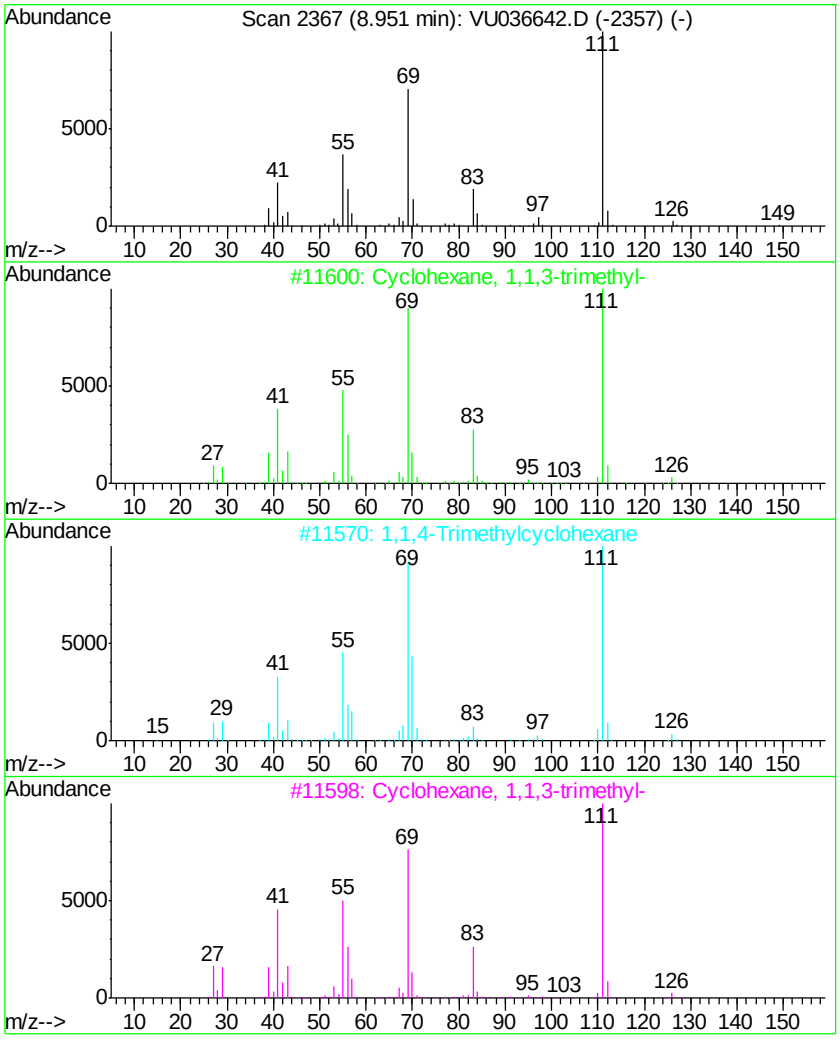
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

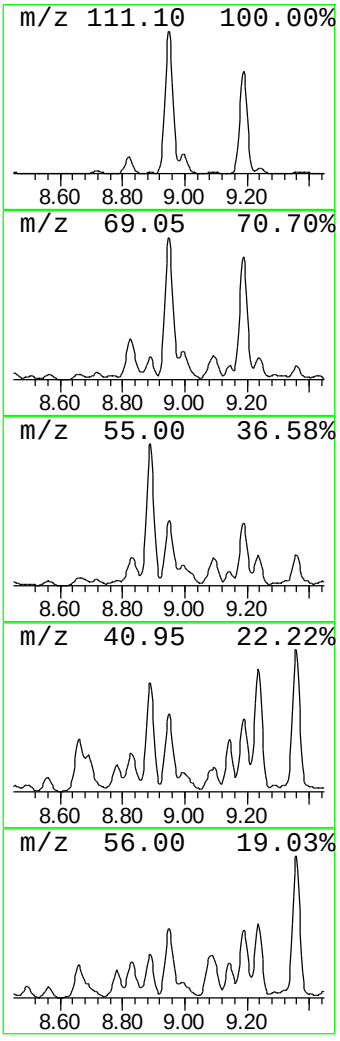
****

Peak Number 5 (DEL) Alkane: Cyclic8.95 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	19.59 ug/L	320186	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	53
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

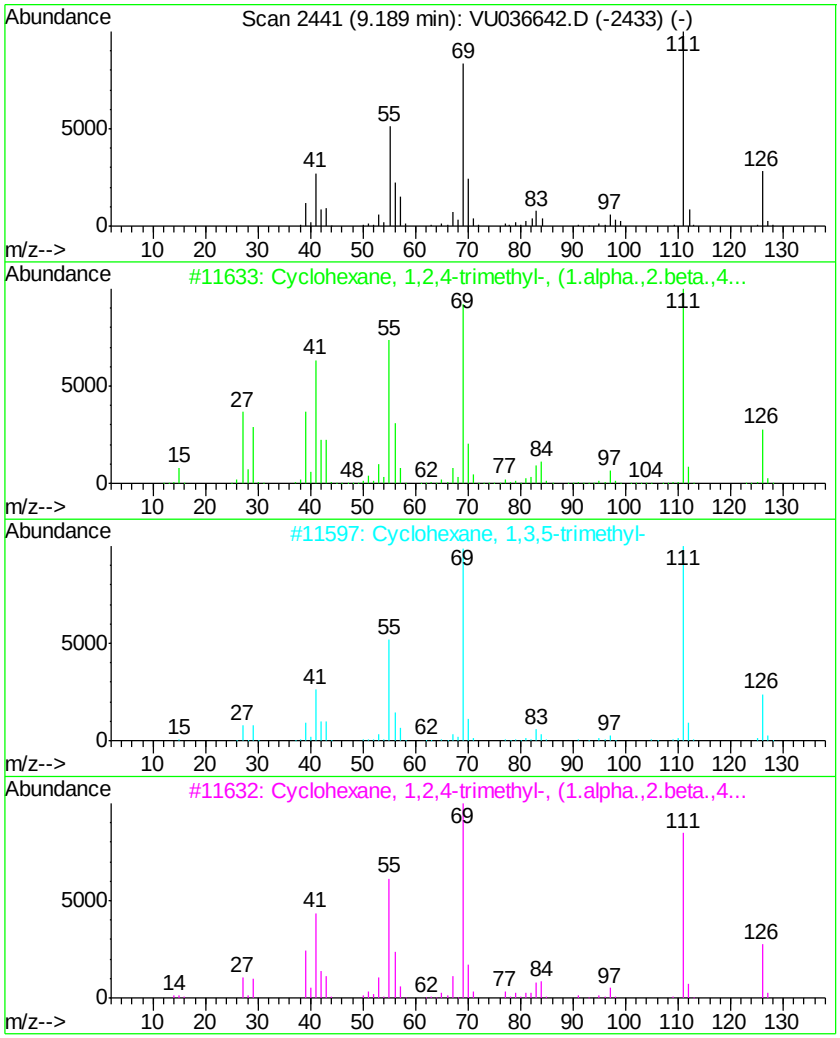
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

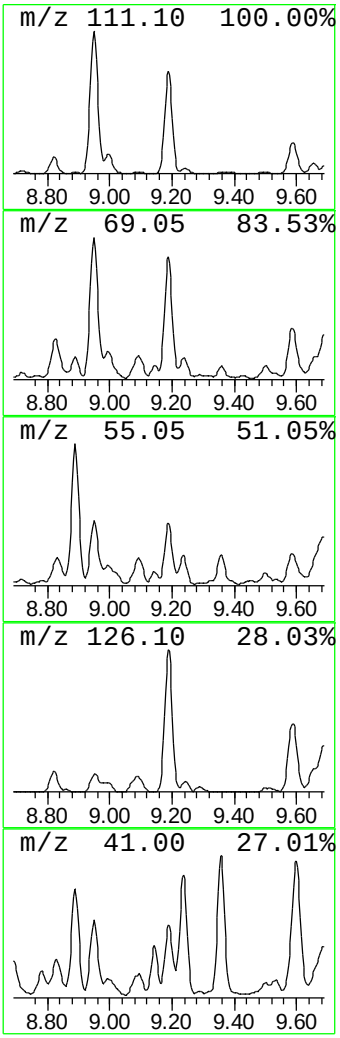
****

Peak Number 6 (DEL) Alkane: Cyclic9.19 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	20.43 ug/L	333876	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	74
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

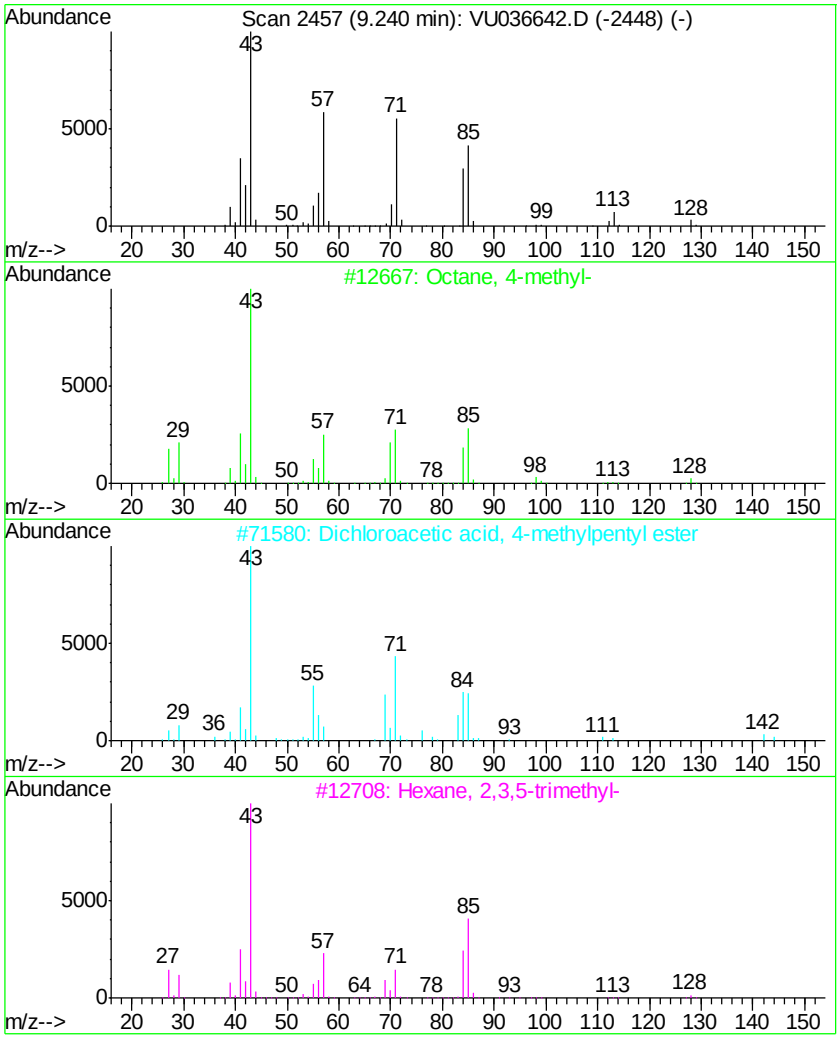
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

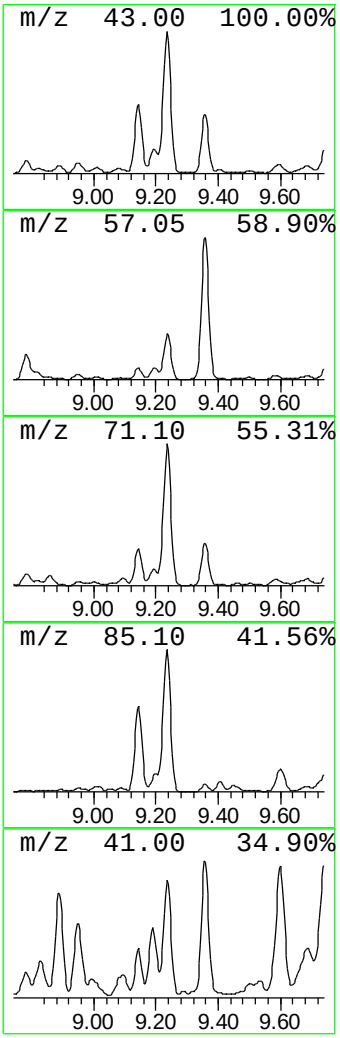
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	25.69 ug/L	419904	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	64
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5	Hexyl octyl ether	214	C14H30O	017071-54-4	53





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

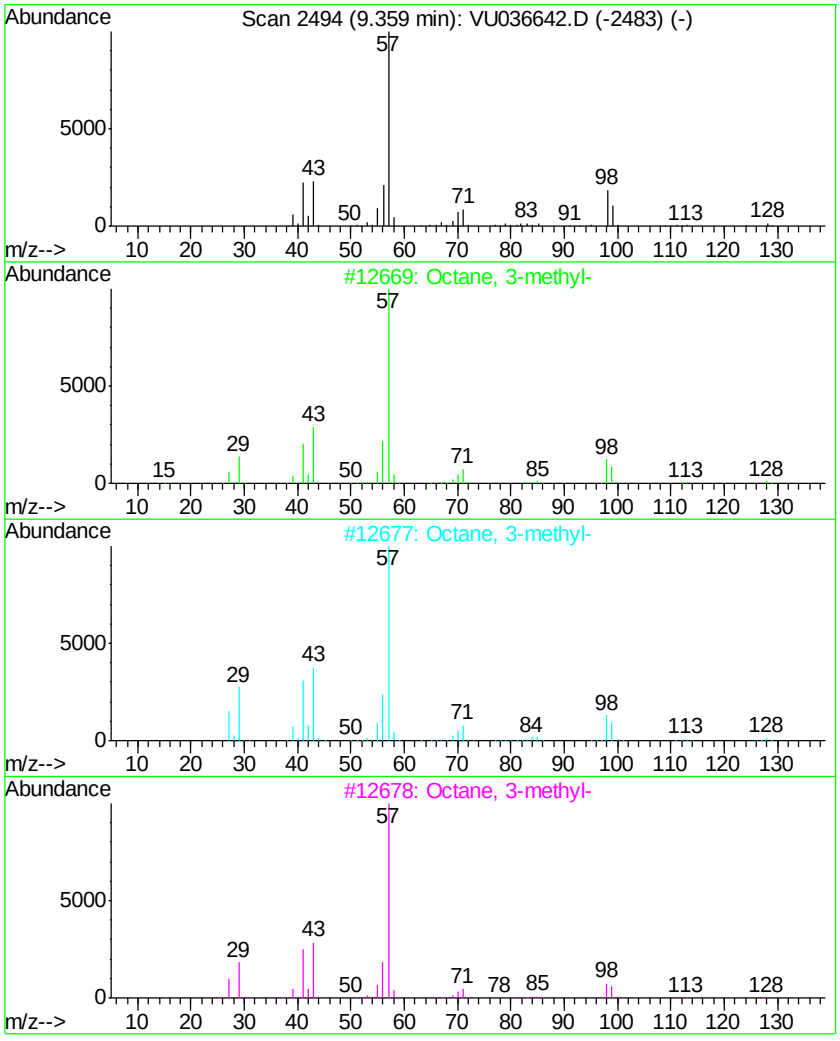
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

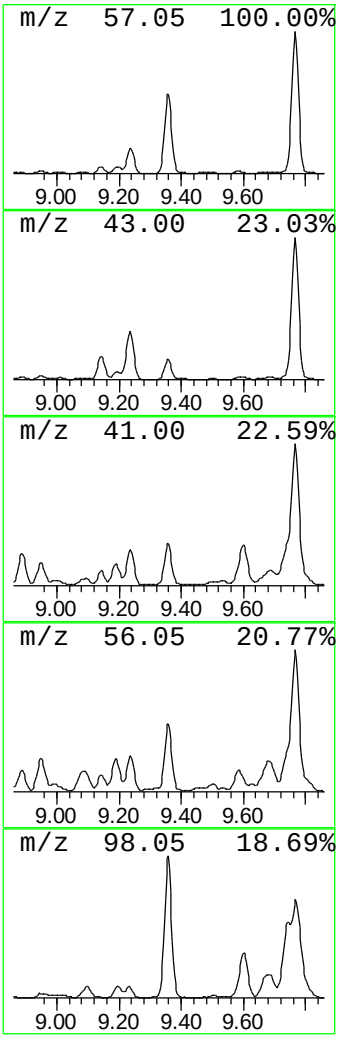
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	24.51 ug/L	400564	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	91
3	Octane, 3-methyl-	128	C9H20	002216-33-3	91
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

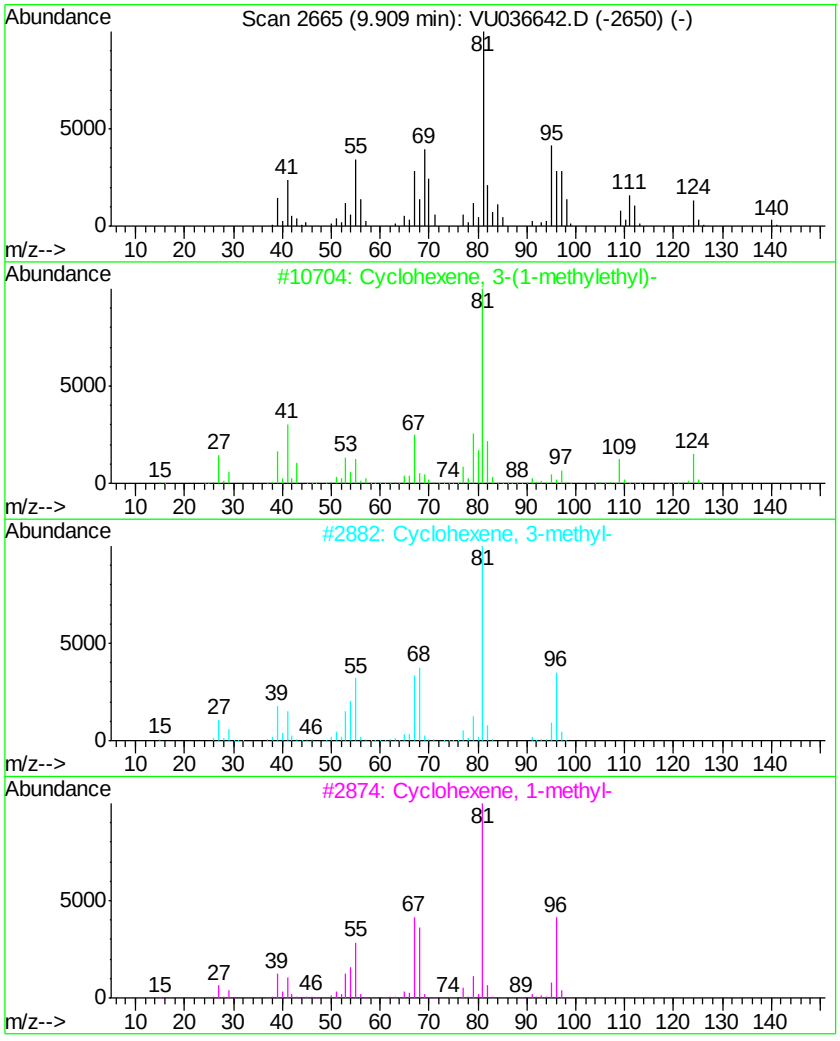
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

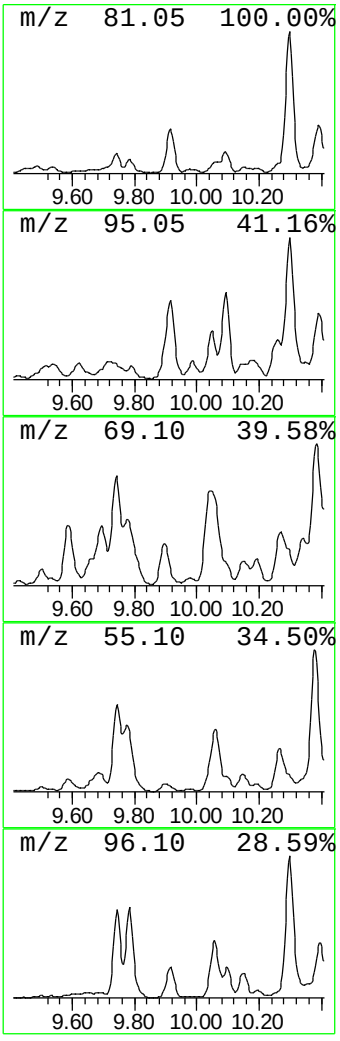
****

Peak Number 9 unknown-01 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	13.94 ug/L	227910	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	43
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
5	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	38





Library Search Compound Report

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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

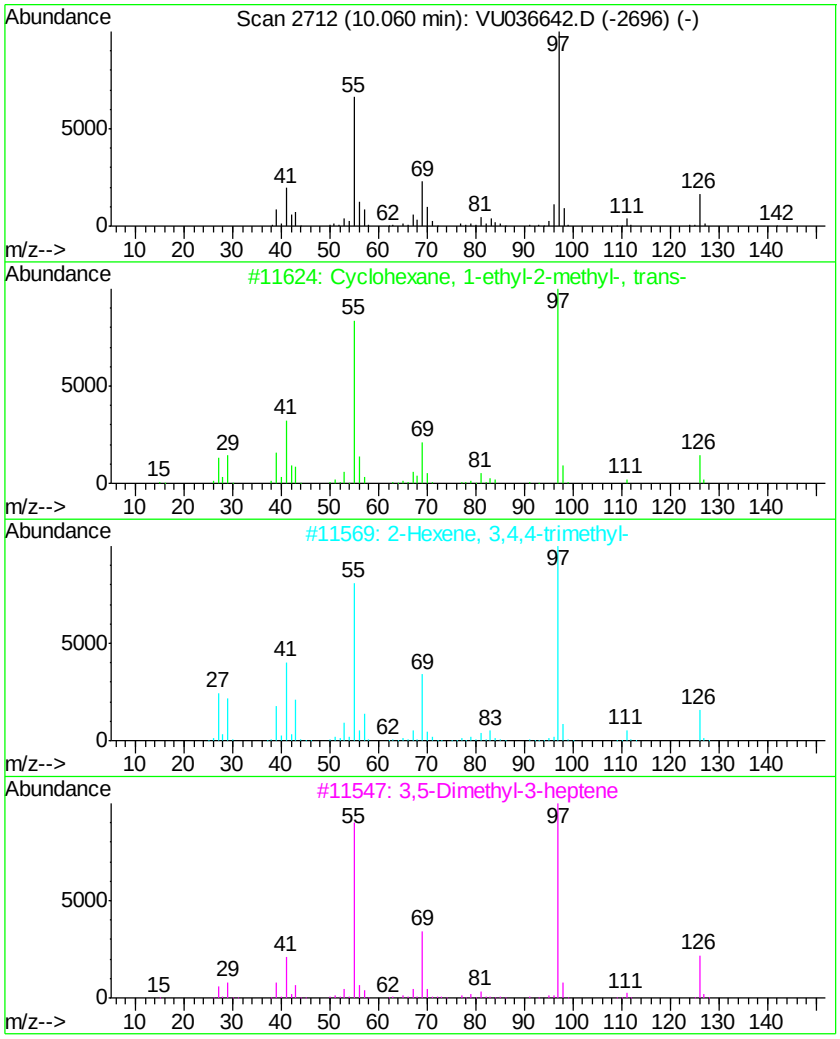
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

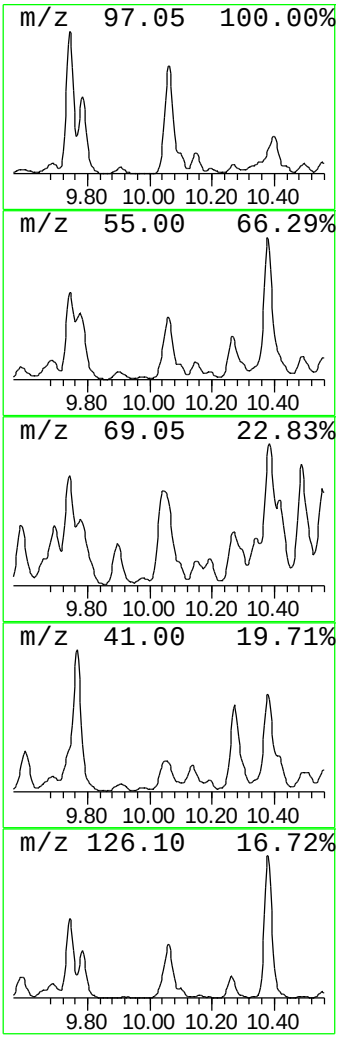
****

Peak Number 10 (DEL) Alkane: Cyclic10.06 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	46.59 ug/L	761561	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	74
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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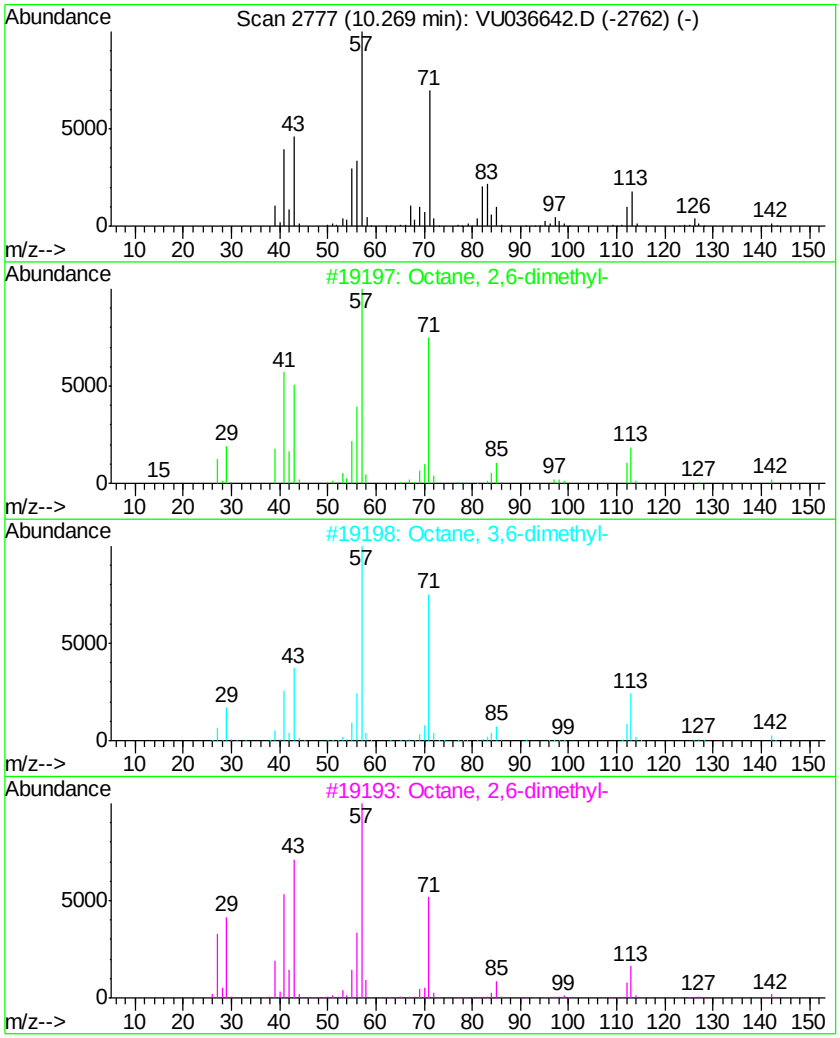
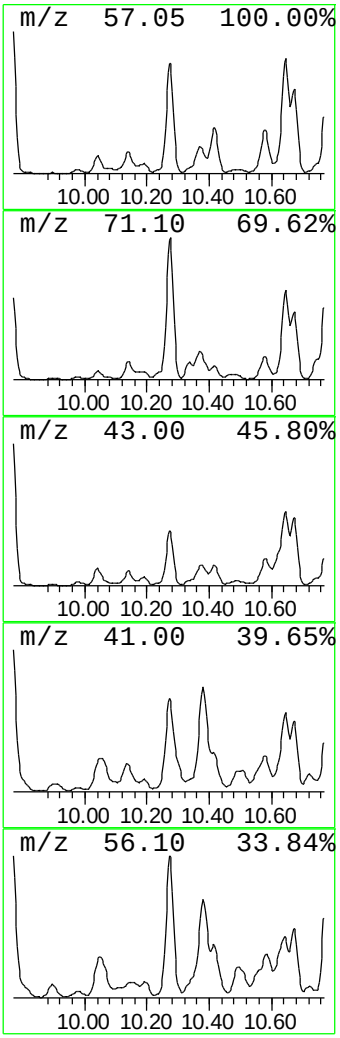
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	97.31 ug/L	1590550	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	81





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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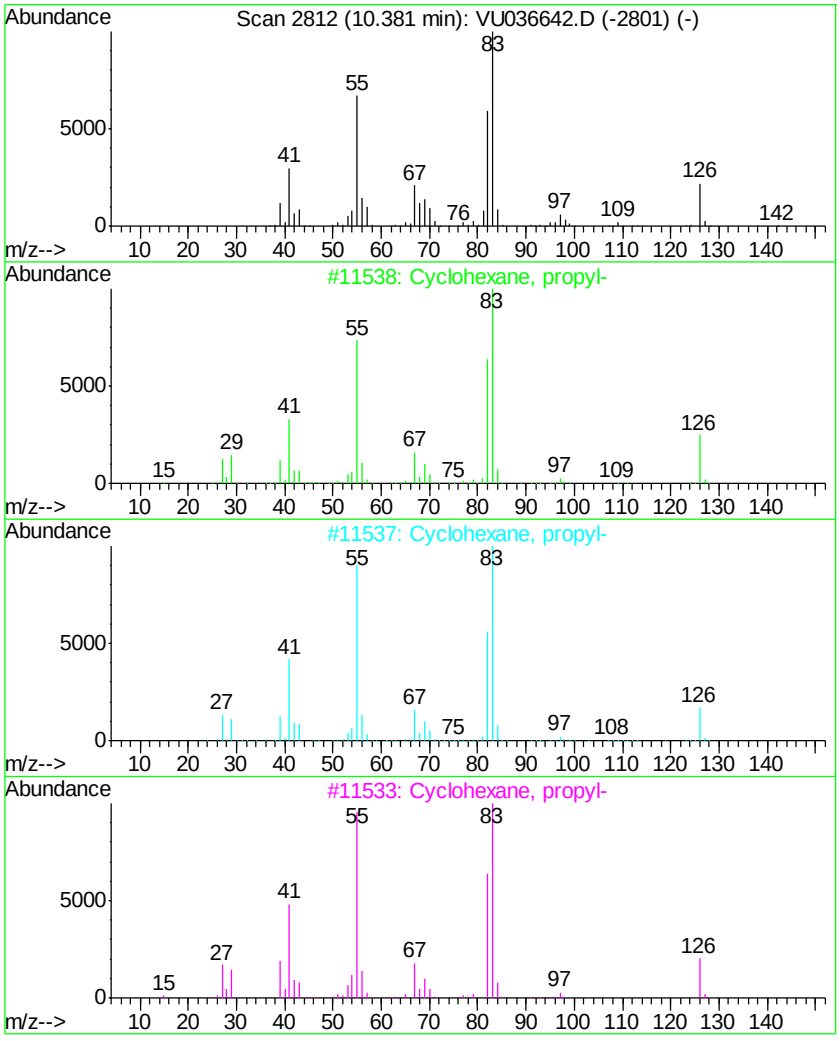
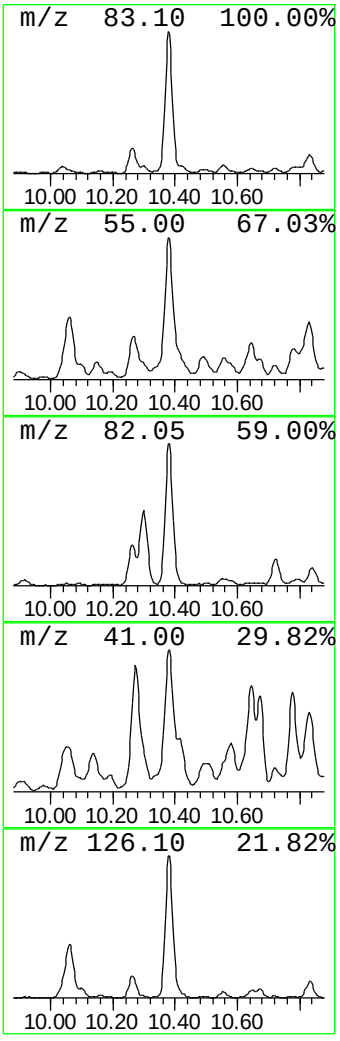
Peak Number 12 (DEL) Alkane: Cyclic10.38 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	115.49 ug/L	1887720	Chlorobenzene-d5	9.45

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	90
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	86
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	80





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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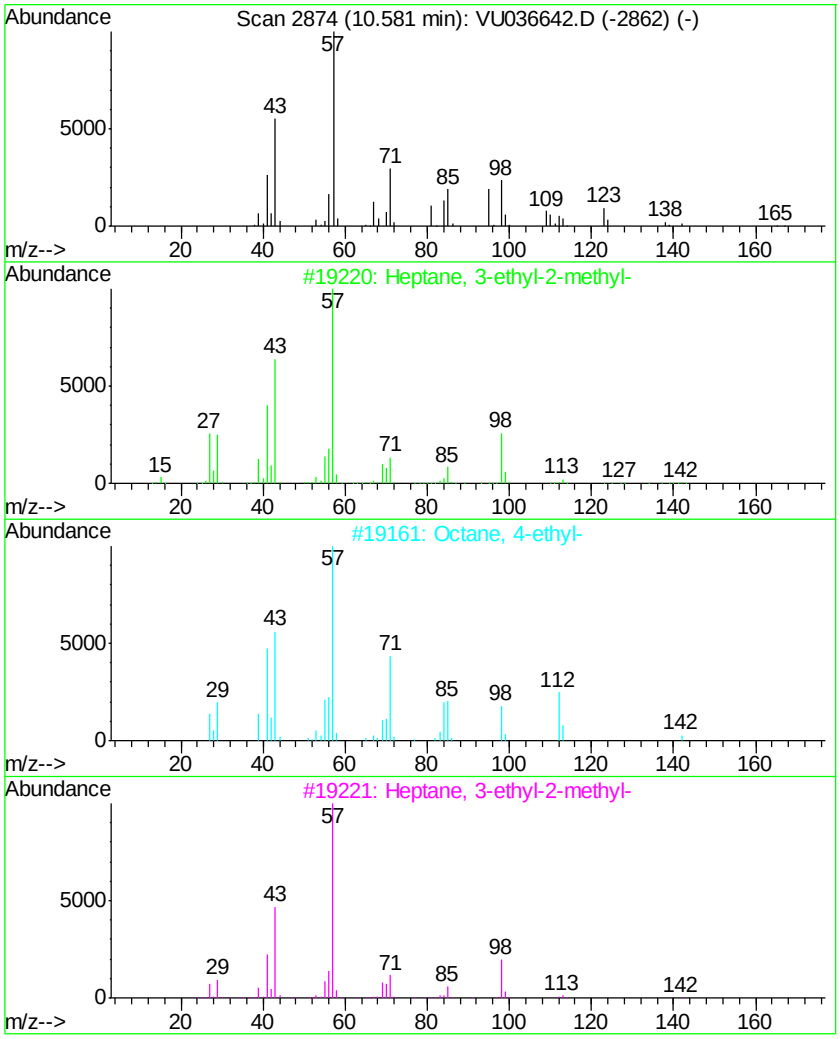
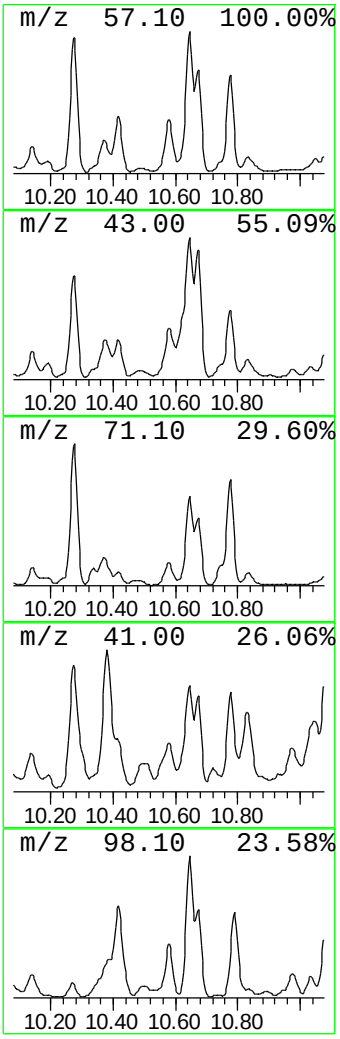
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	21.04 ug/L	343875	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	38
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	35
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	35





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

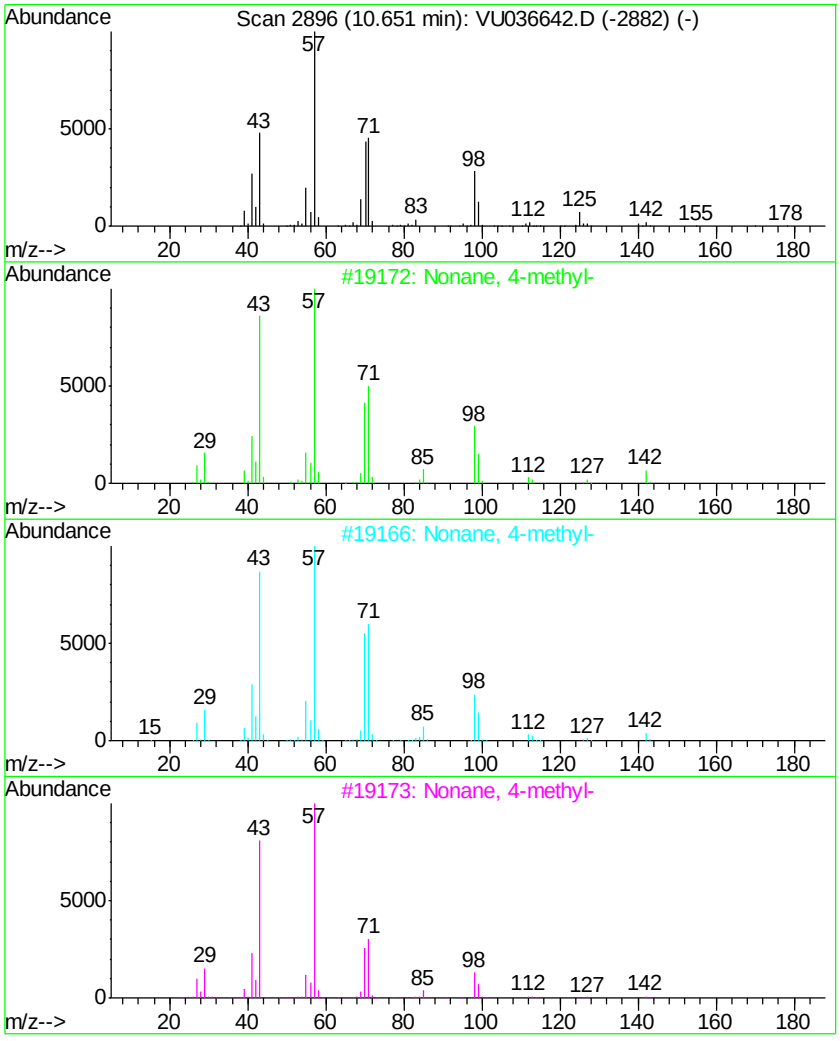
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

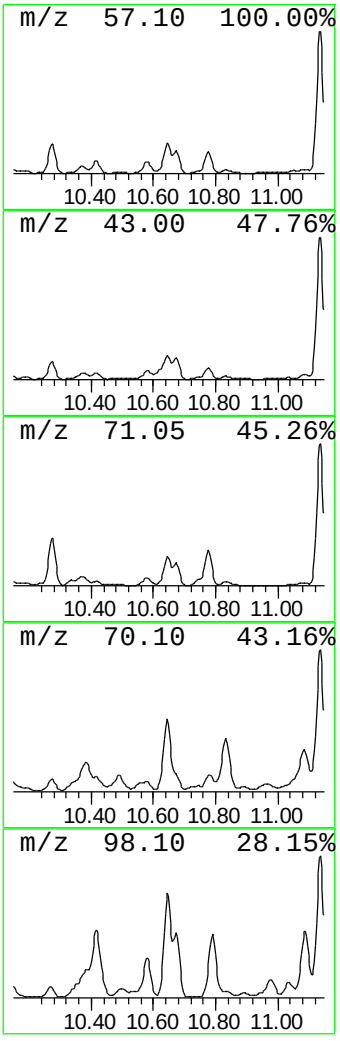
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	20.34 ug/L	825064	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	83
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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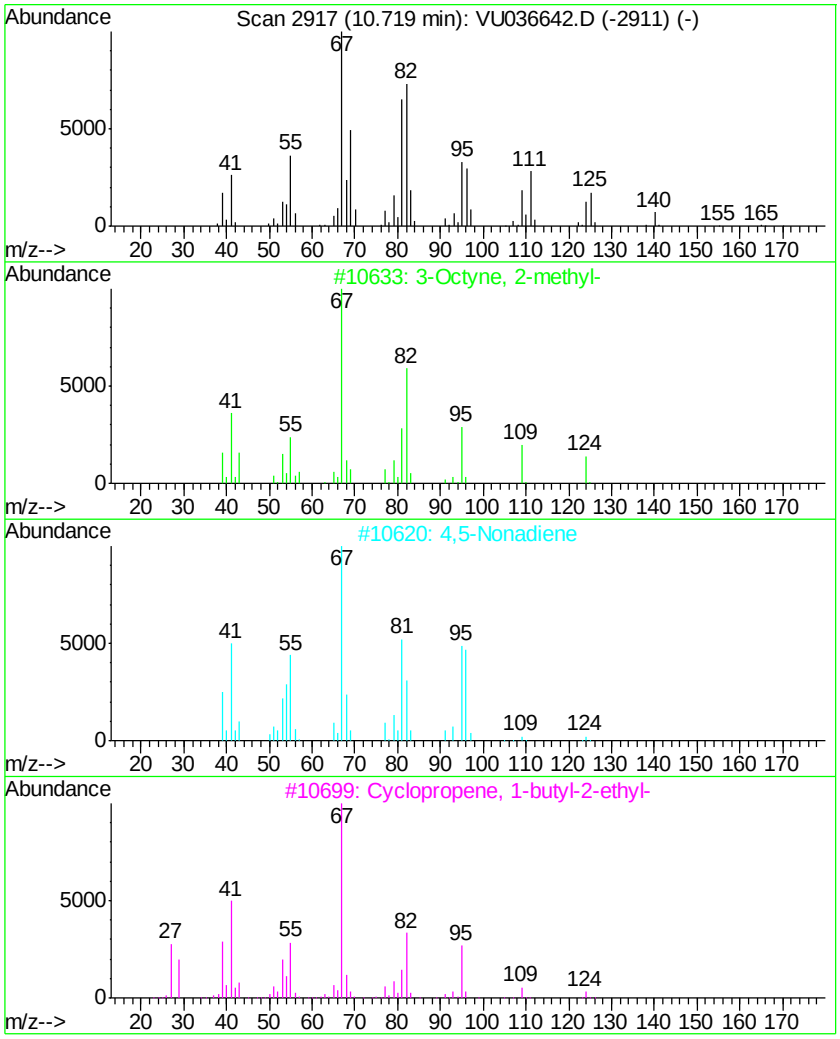
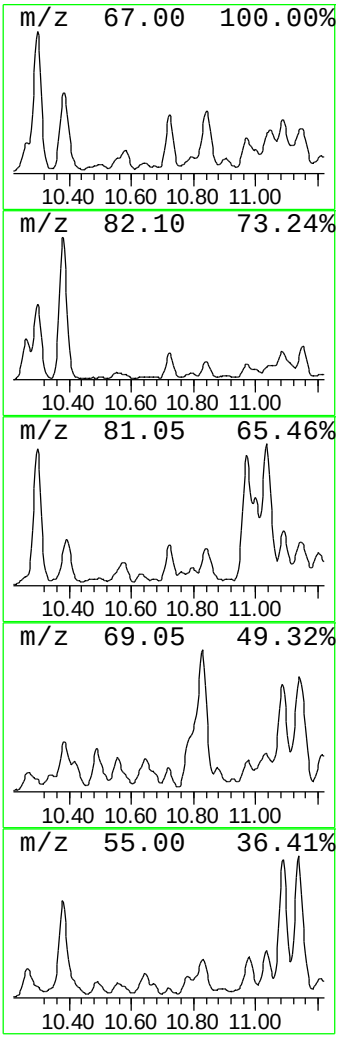
Peak Number 15 3-Octyne, 2-methyl- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	5.33 ug/L	216012	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	62
2	4,5-Nonadiene	124	C9H16	000821-74-9	52
3	Cyclopropene, 1-butyl-2-ethyl-	124	C9H16	050915-91-8	47
4	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	46
5	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
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Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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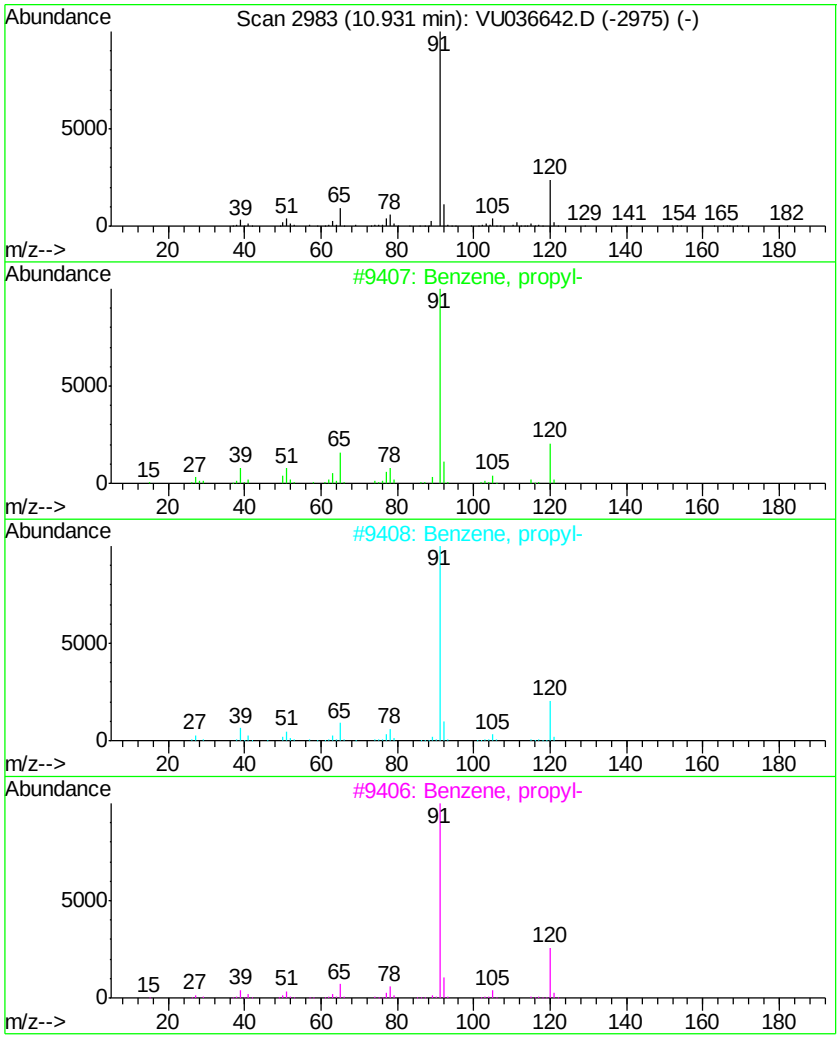
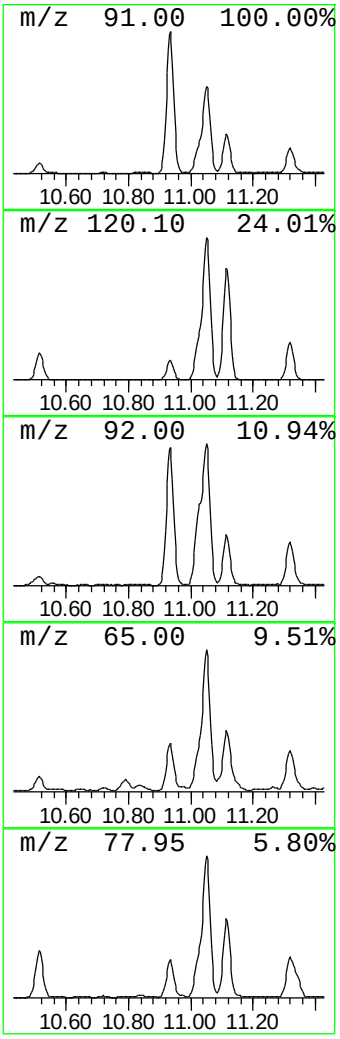
Peak Number 16 Benzene, propyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	14.18 ug/L	575068	1,4-Dichlorobenzene-d4	11.84

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	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	n-Butylbenzylamine	163	C11H17N	002403-22-7	64
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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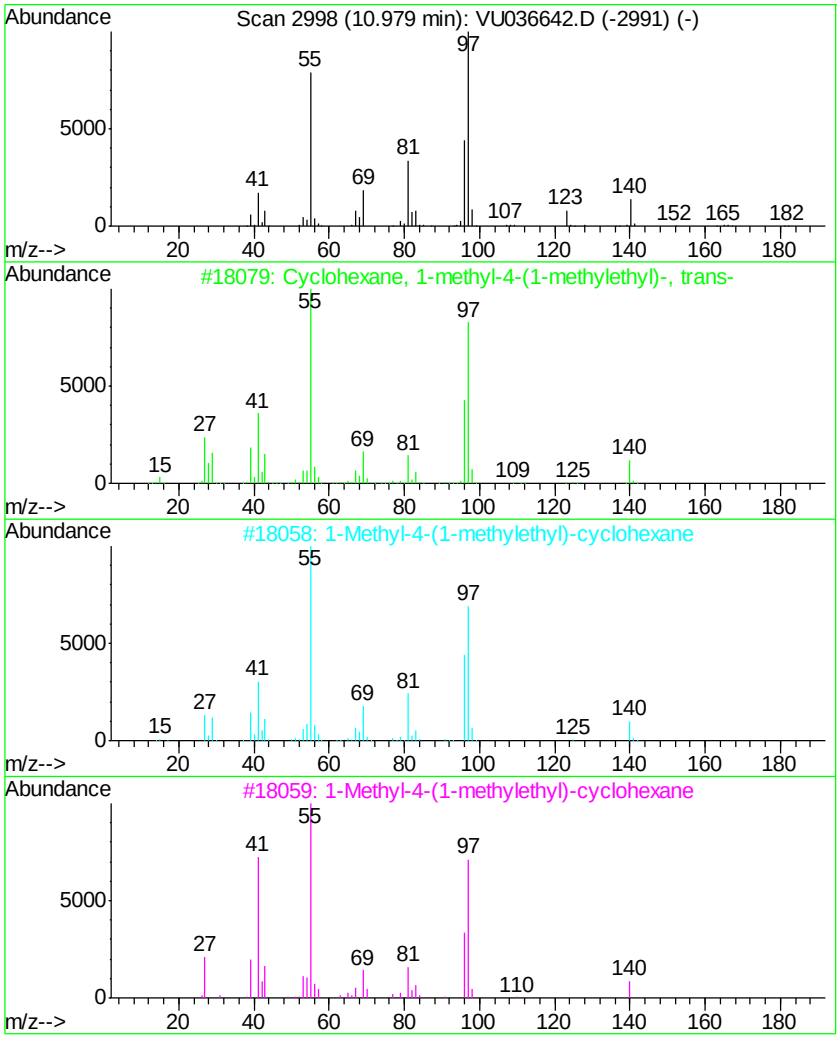
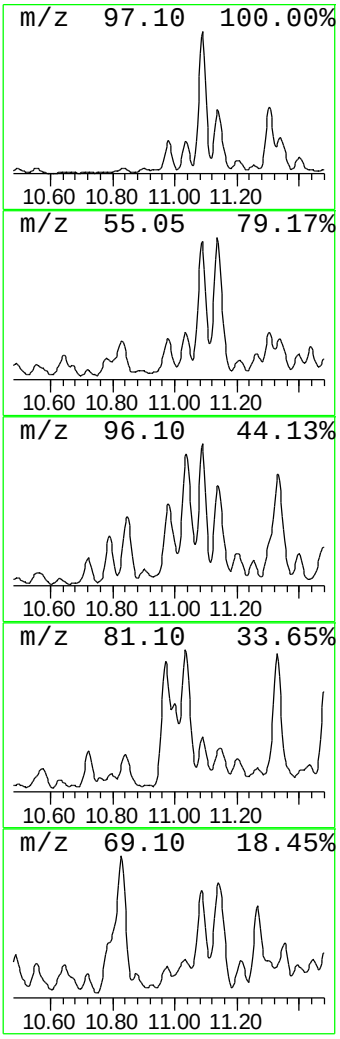
Peak Number 17 (DEL) Alkane: Cyclic10.98 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	4.37 ug/L	177288	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	87
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	72
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	72
5	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

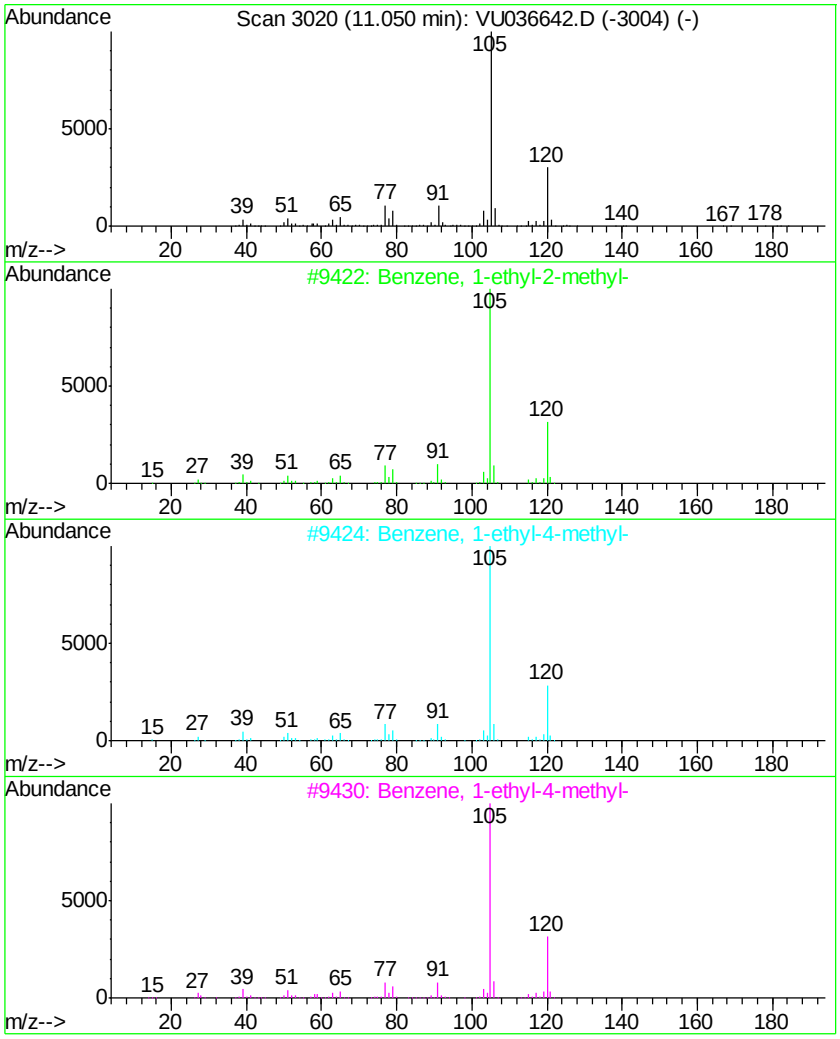
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

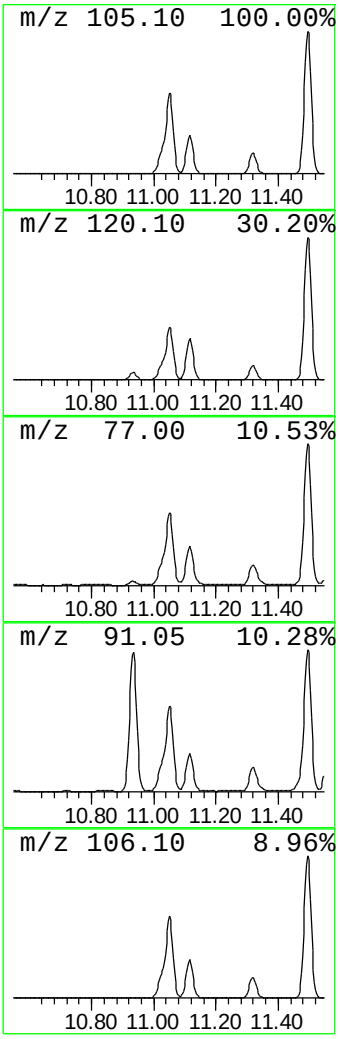
****

Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	143.71 ug/L	5828850	1,4-Dichlorobenzene-d4	11.84

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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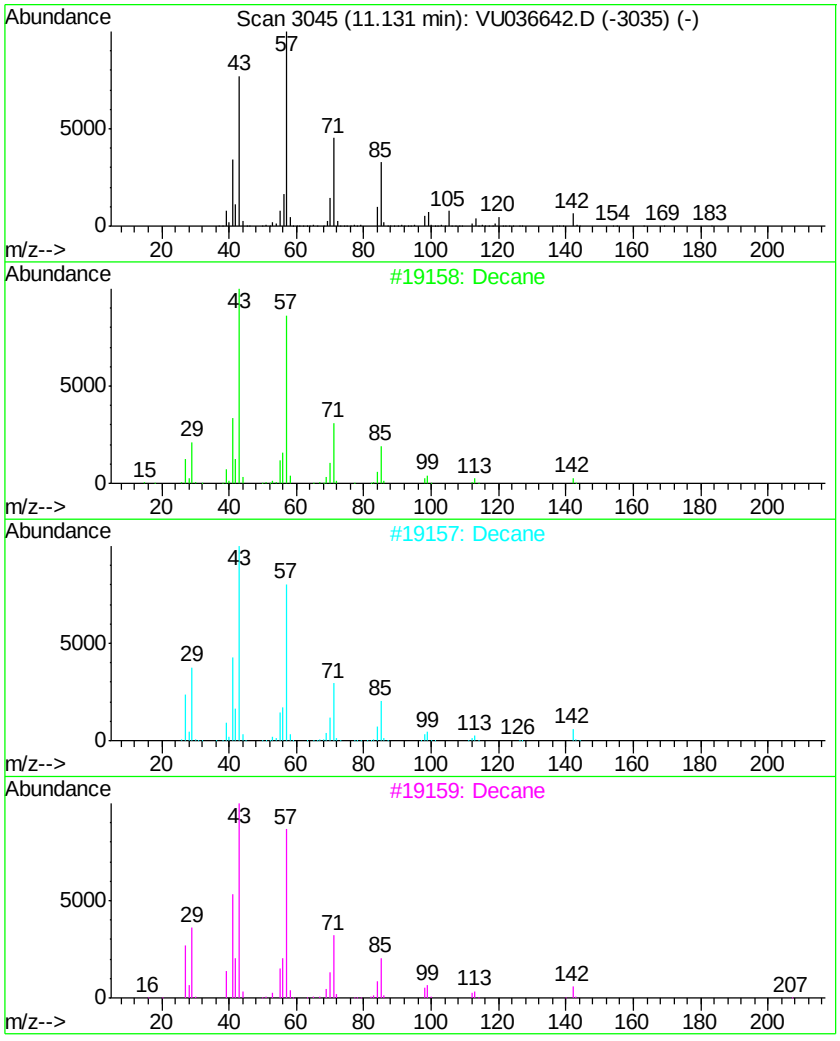
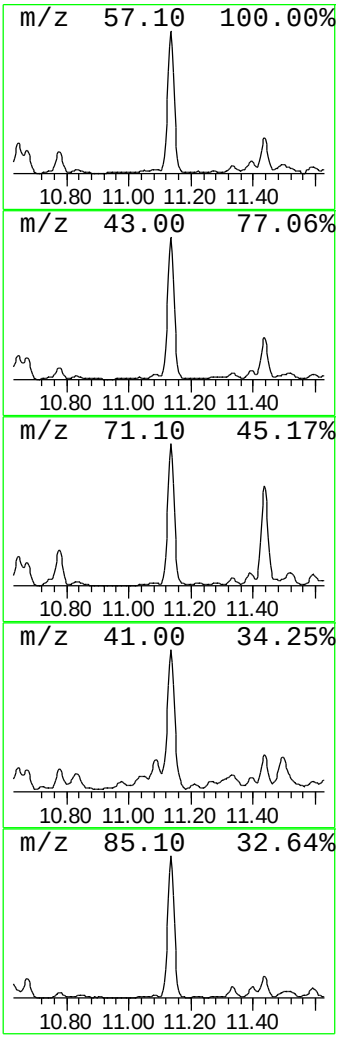
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	178.71 ug/L	7248330	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane	142	C10H22	000124-18-5	94
3	Decane	142	C10H22	000124-18-5	86
4	Undecane	156	C11H24	001120-21-4	83
5	Hexadecane	226	C16H34	000544-76-3	80





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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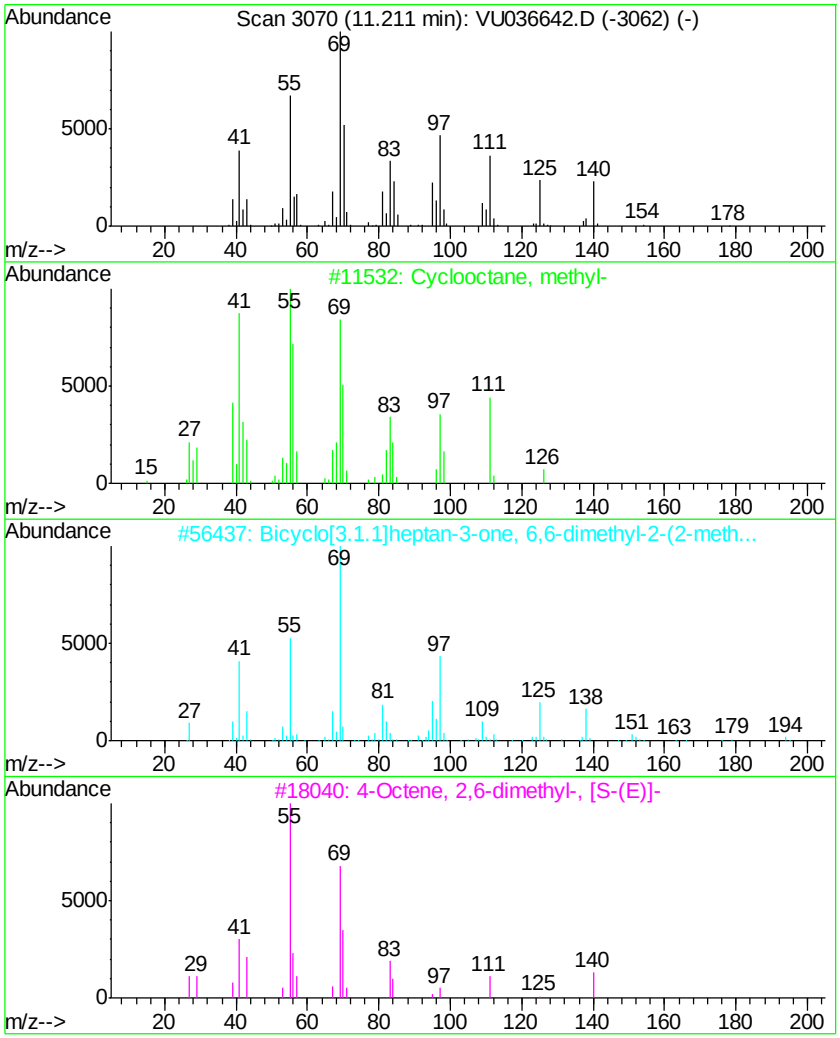
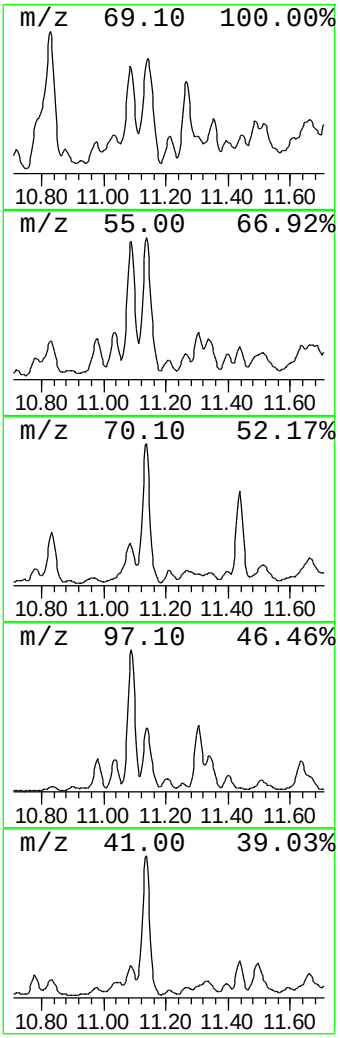
Peak Number 20 (DEL) Alkane: Cyclic11.21 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	5.18 ug/L	210204	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, methyl-	126	C9H18	001502-38-1	53
2	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	52
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	49
4	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	49
5	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	47





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

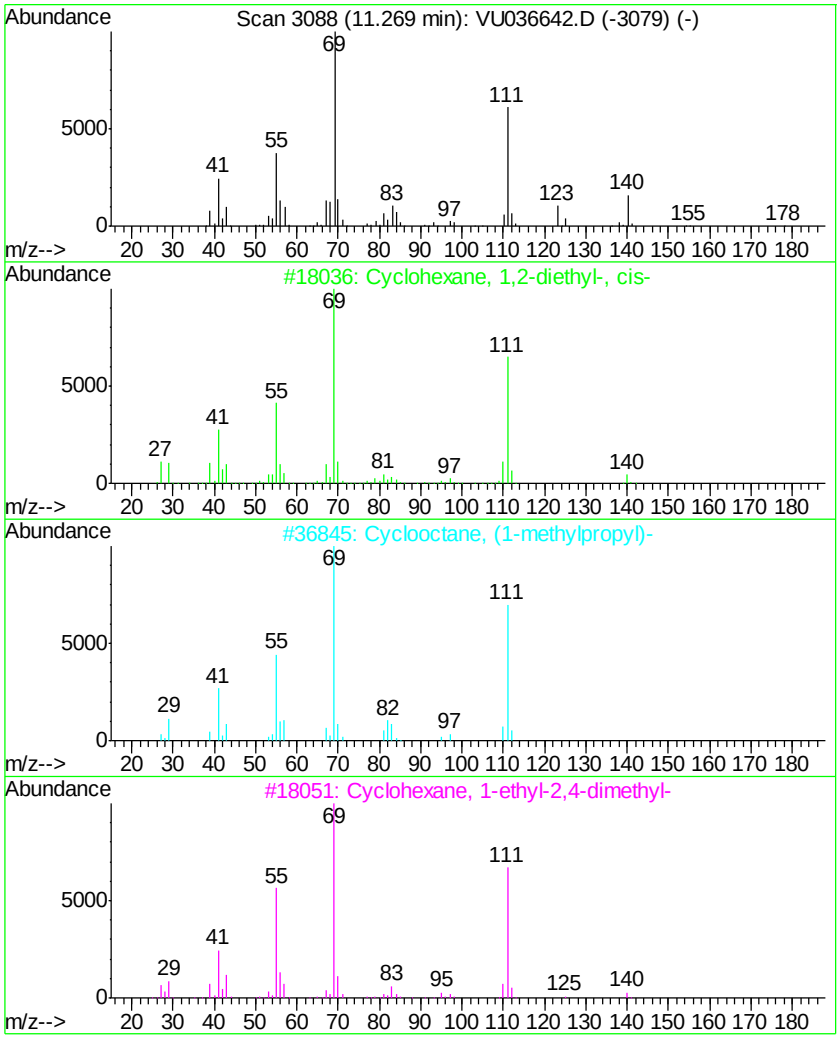
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

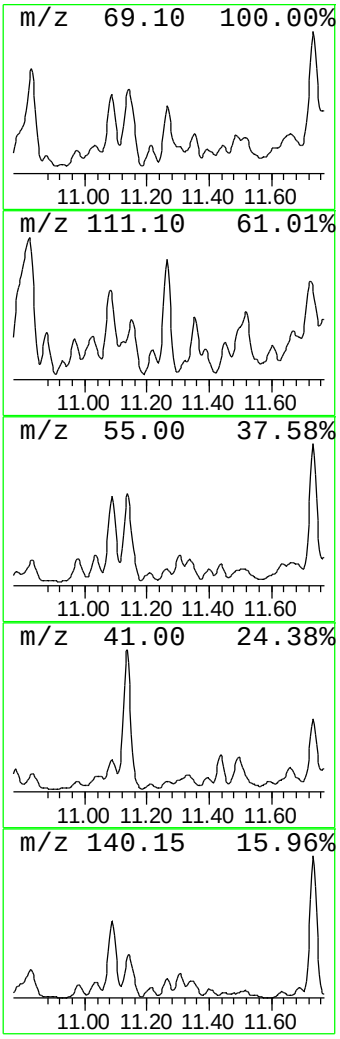
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.27 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	7.53 ug/L	305323	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	72
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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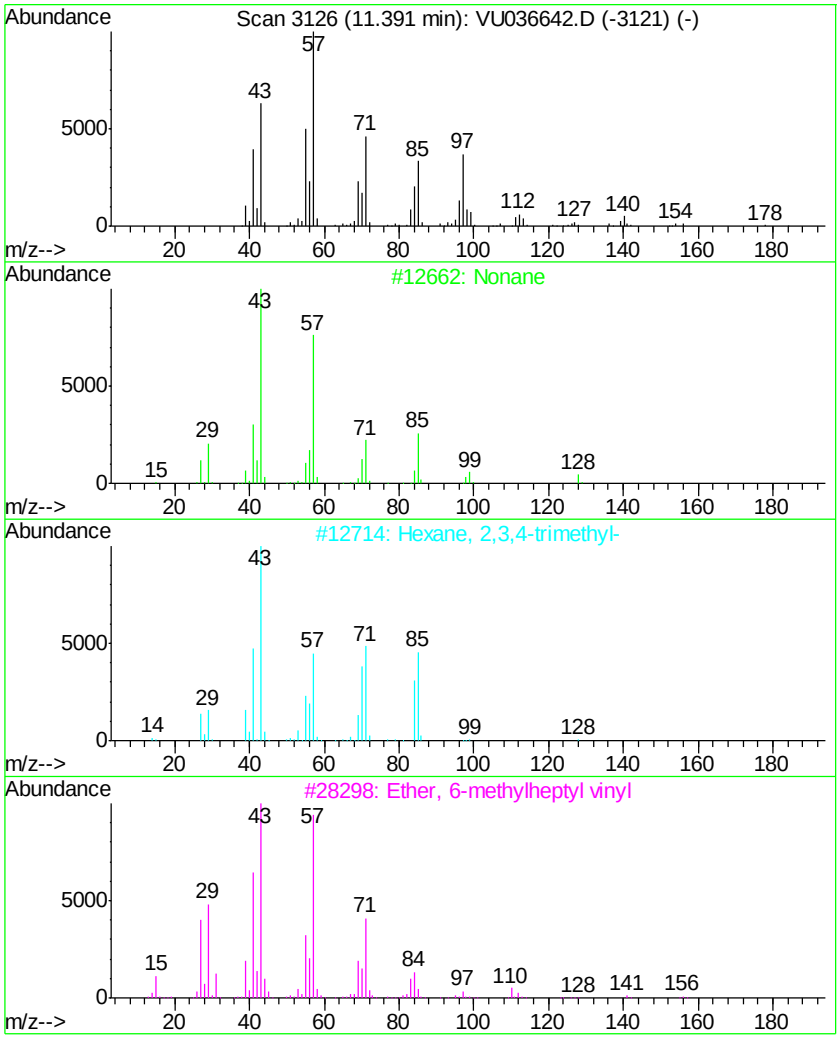
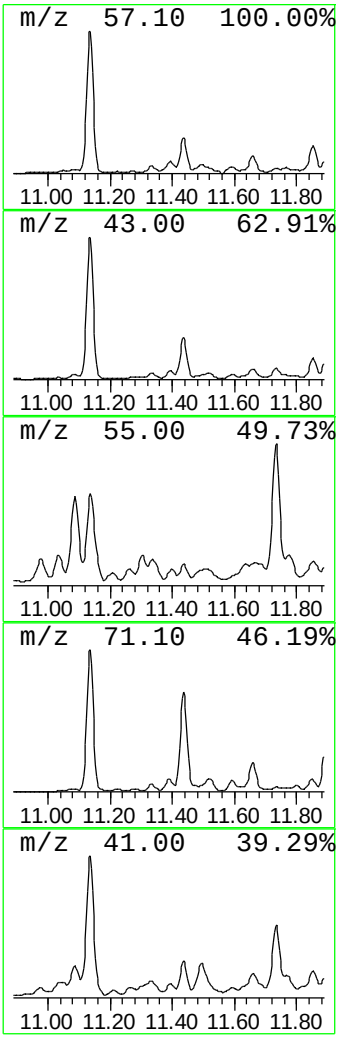
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	7.16 ug/L	290421	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	64
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	46
3	Ether, 6-methylheptyl vinyl	156	C10H20O	010573-35-0	43
4	Dodecane	170	C12H26	000112-40-3	38
5	1-Iodoundecane	282	C11H23I	004282-44-4	38





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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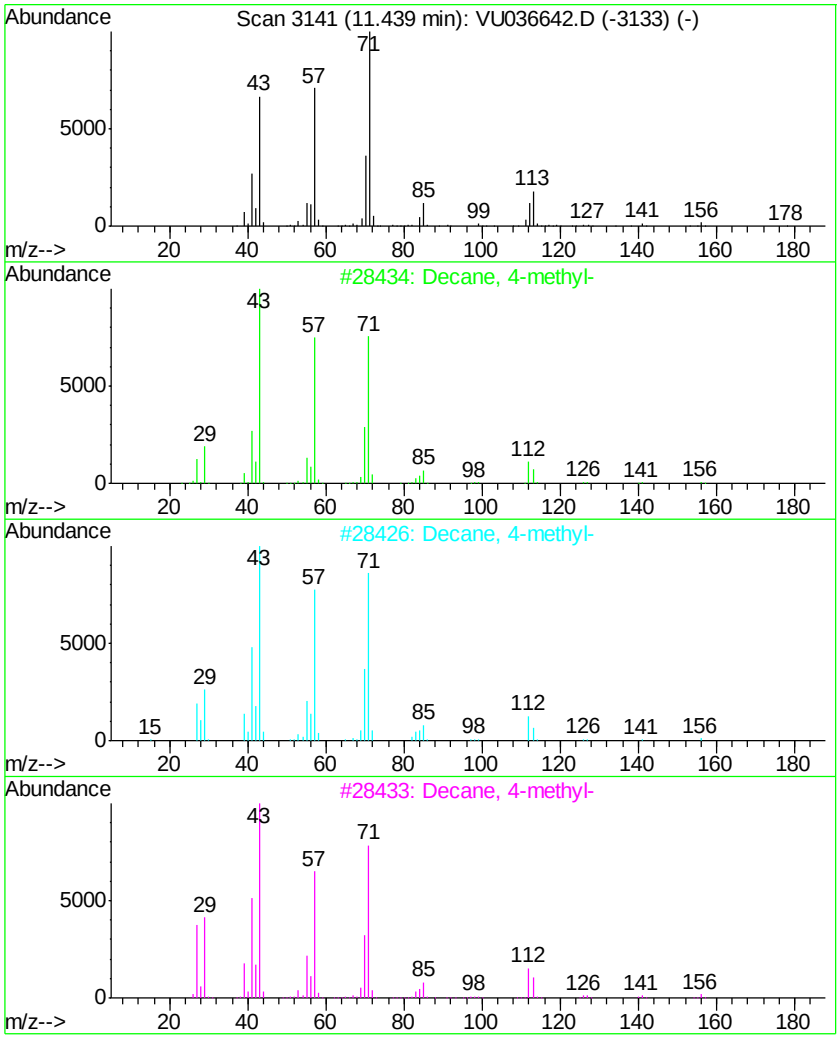
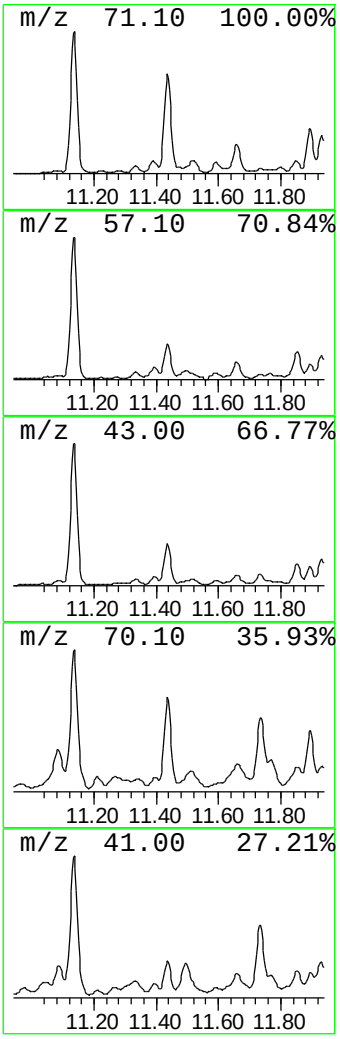
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	26.58 ug/L	1078010	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Decane, 4-methyl-	156	C11H24	002847-72-5	91
3	Decane, 4-methyl-	156	C11H24	002847-72-5	86
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
5	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	72





Library Search Compound Report

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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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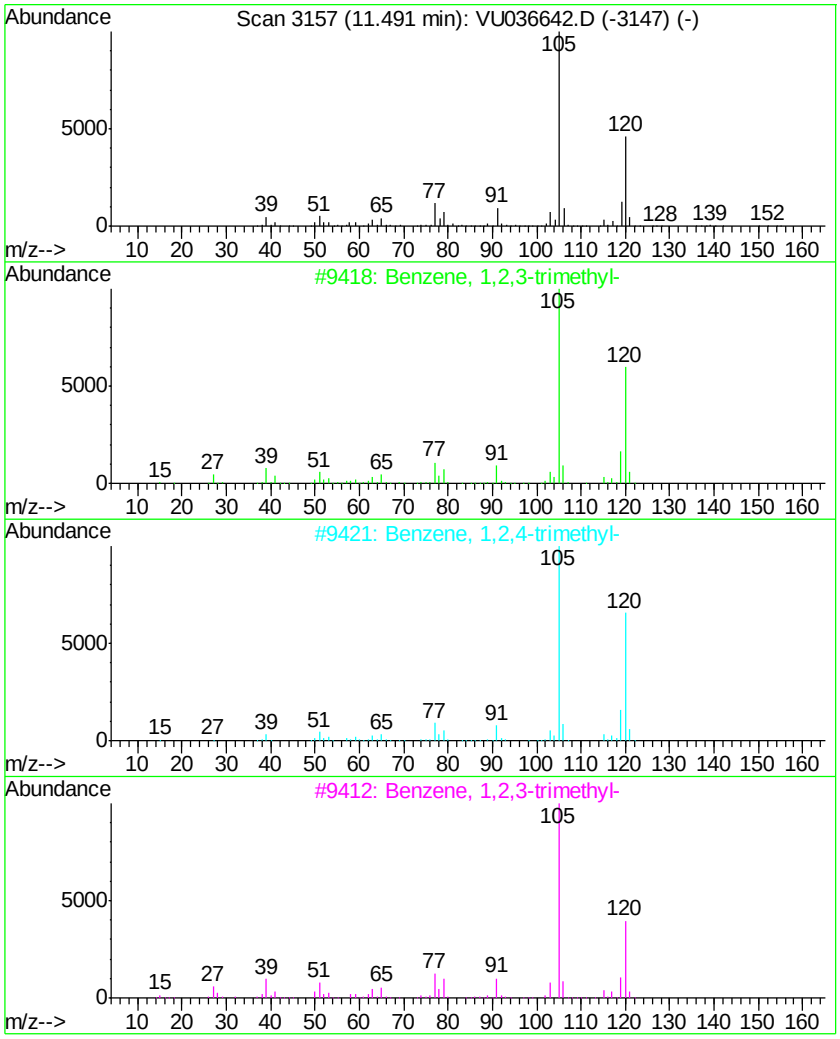
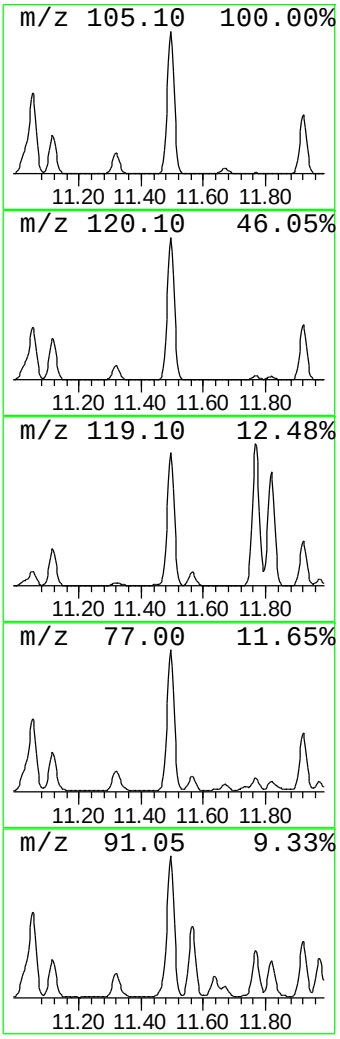
Peak Number 25 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	240.53 ug/L	9756040	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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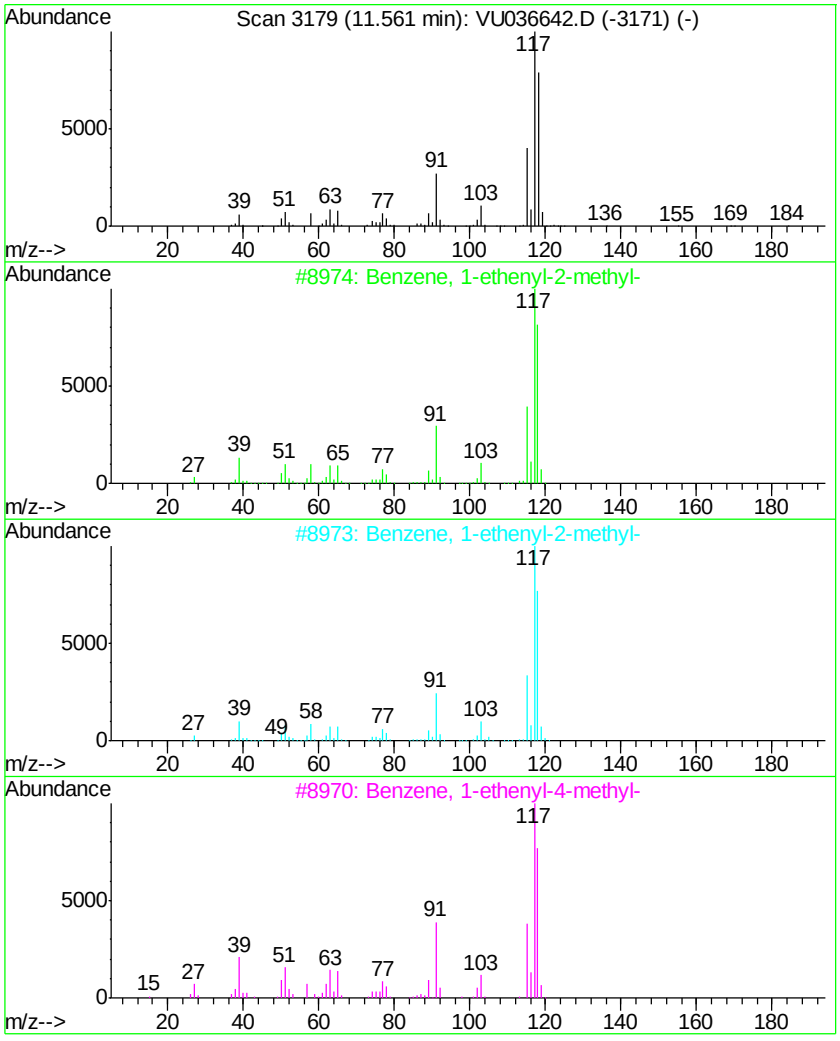
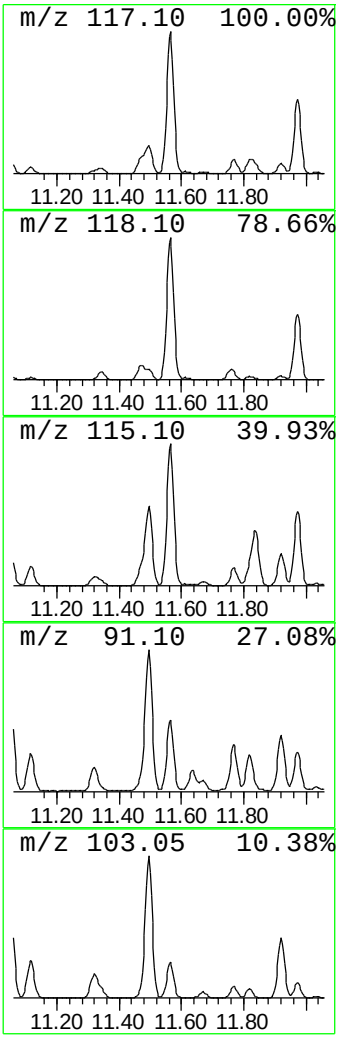
Peak Number 26 Benzene, 1-ethenyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	49.19 ug/L	1995320	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
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Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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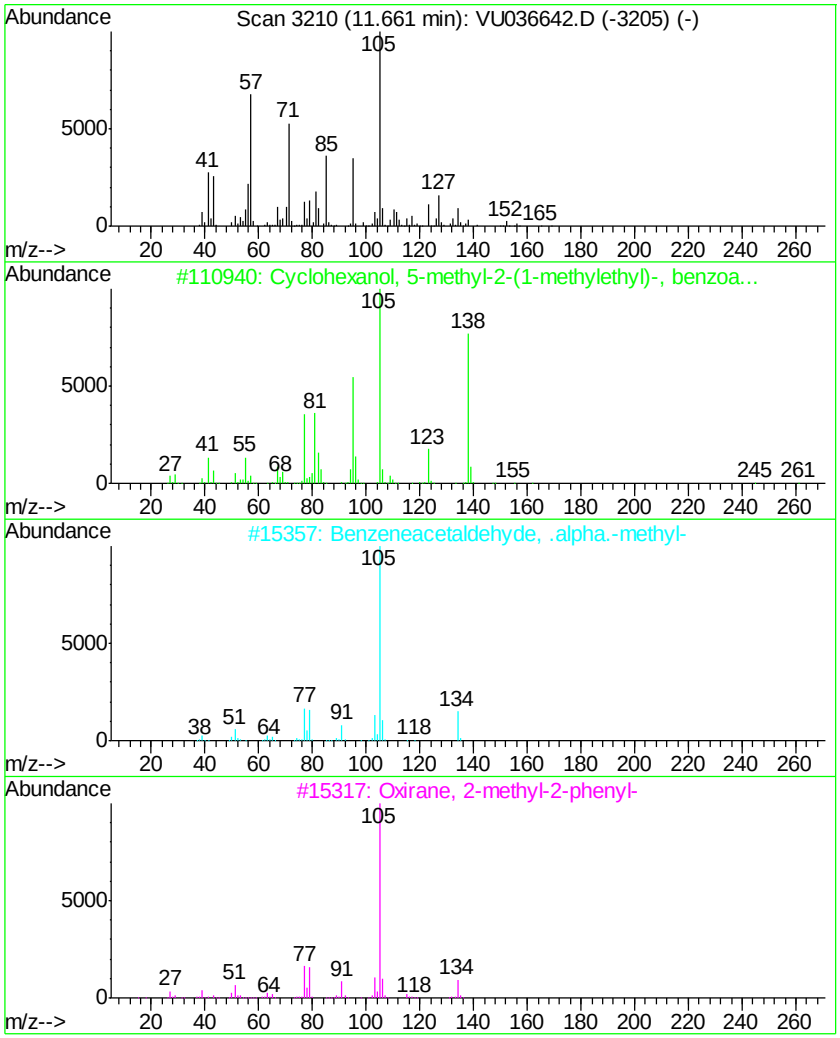
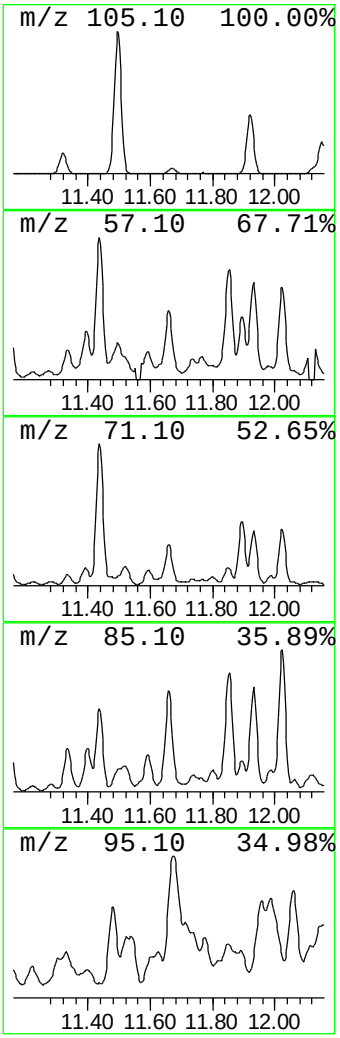
Peak Number 27 unknown-02 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	21.82 ug/L	884888	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	260	C17H24O2	006284-35-1	16
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	15
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	11
4	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	11
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	10





Library Search Compound Report

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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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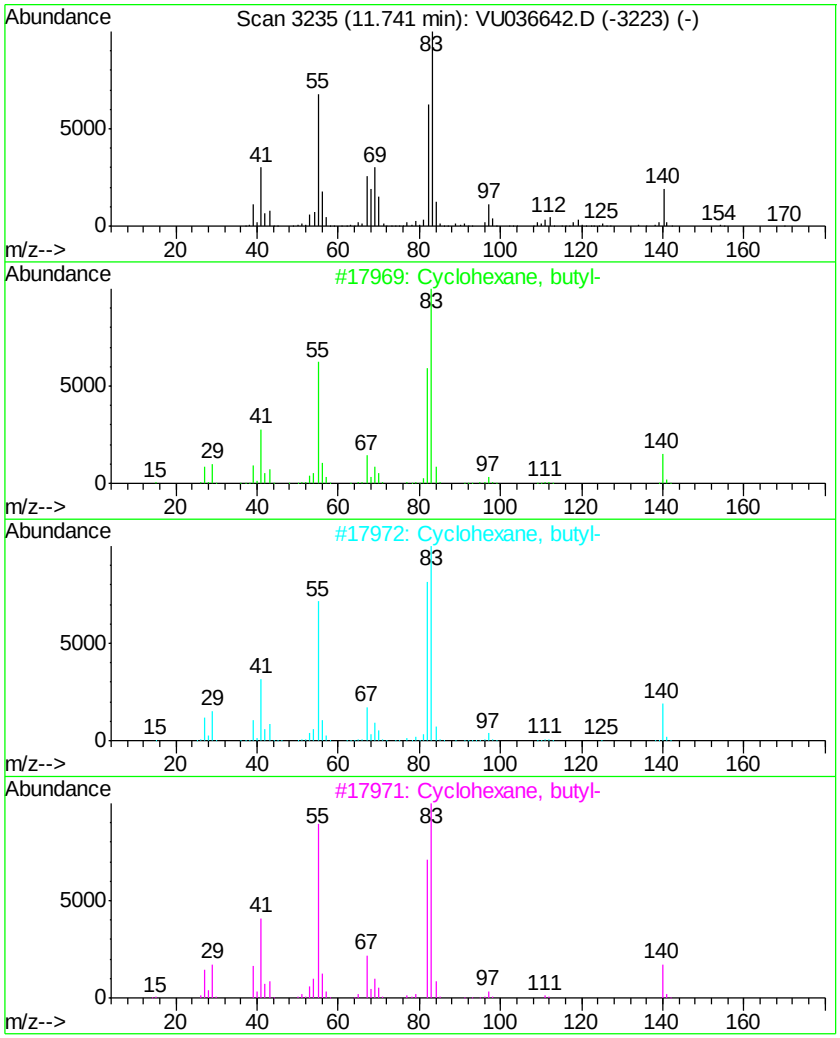
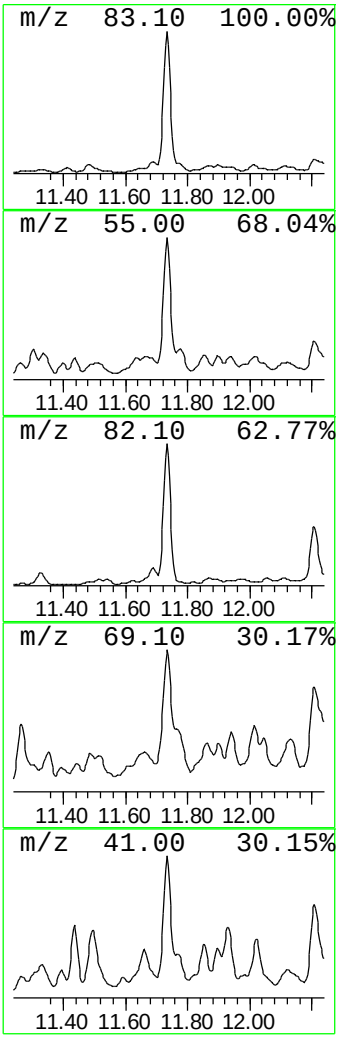
Peak Number 28 (DEL) Alkane: Cyclic11.74 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	68.18 ug/L	2765400	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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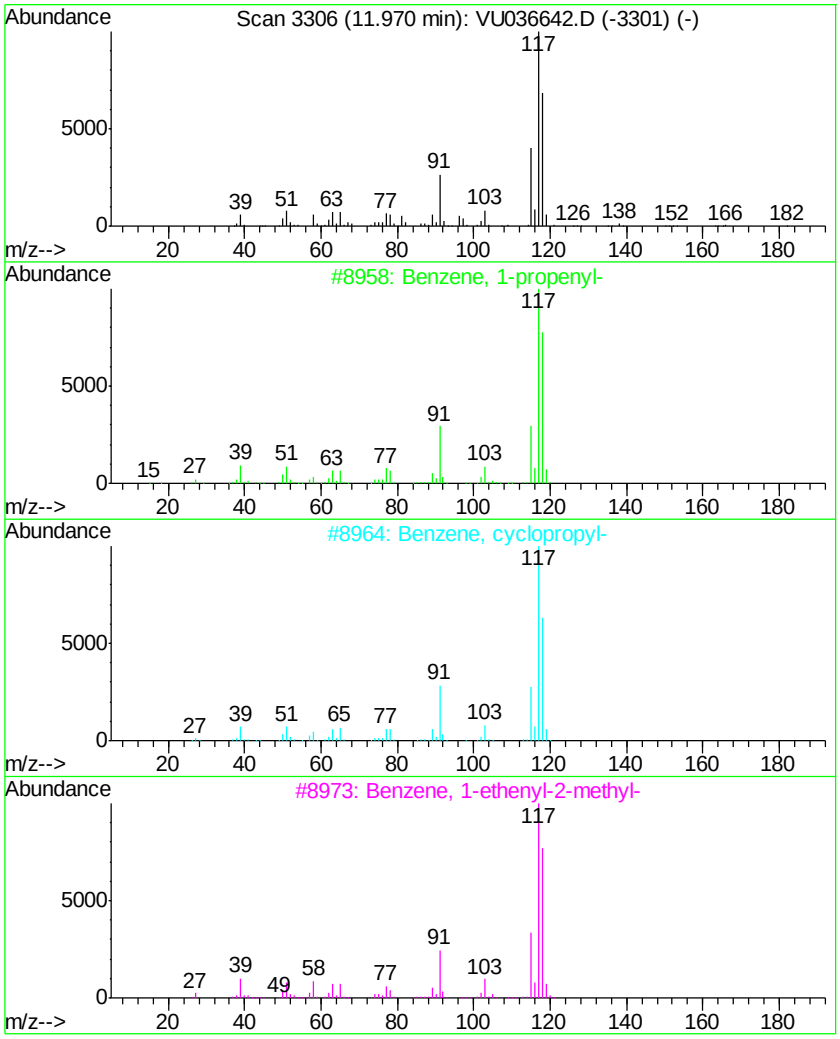
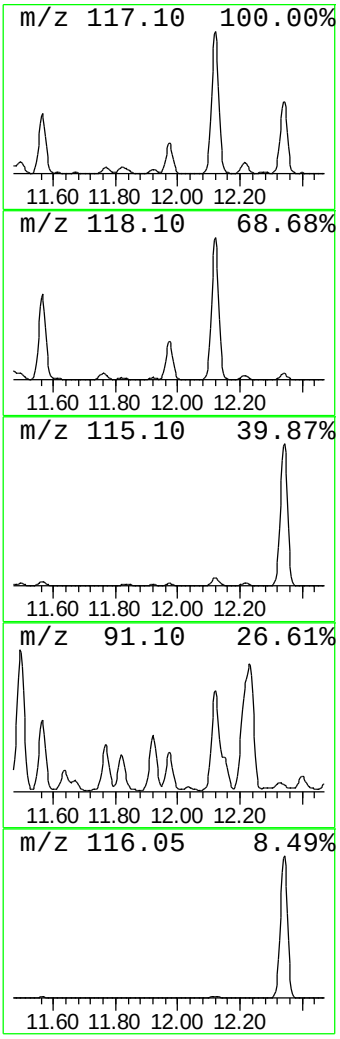
Peak Number 30 Benzene, 1-propenyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	20.80 ug/L	843477	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	87
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

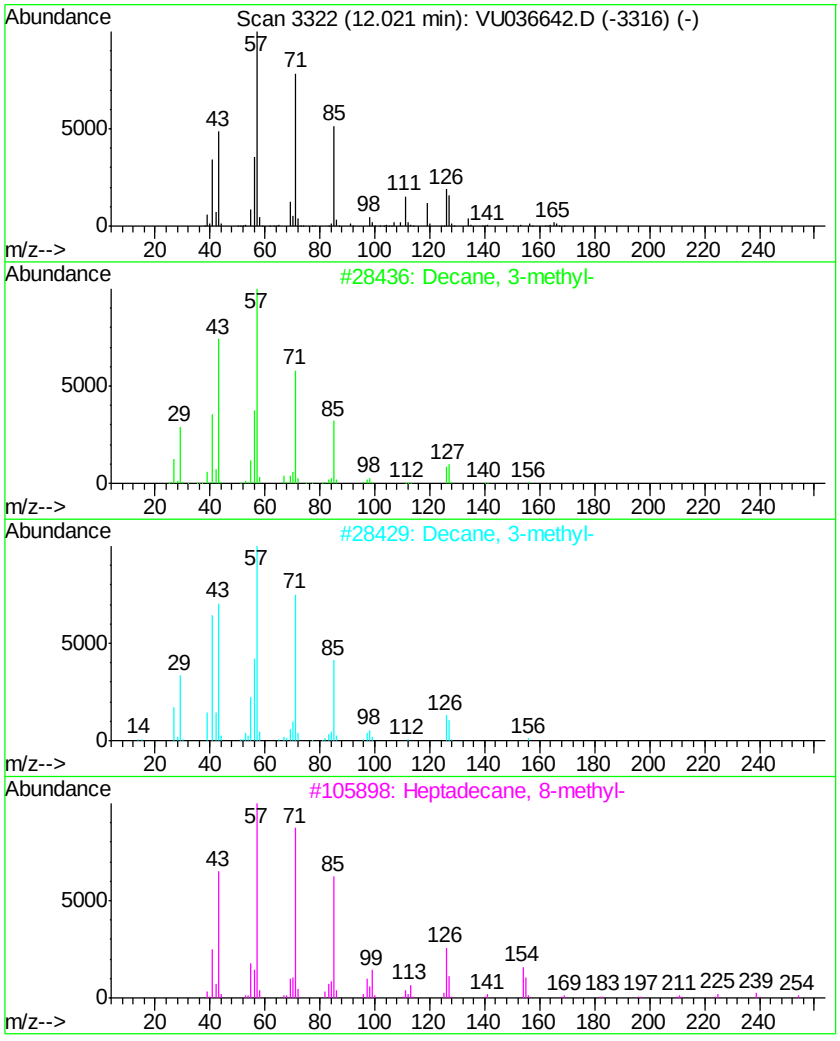
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

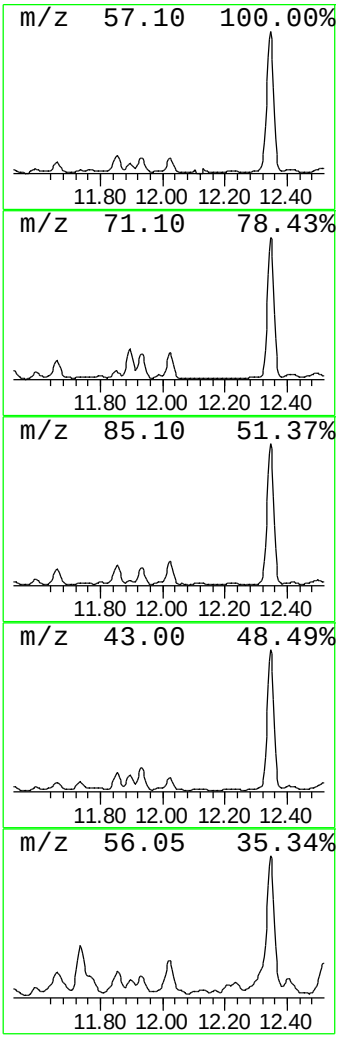
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	25.43 ug/L	1031380	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Decane, 3-methyl-	156	C11H24	013151-34-3	68
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	59
4	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	59
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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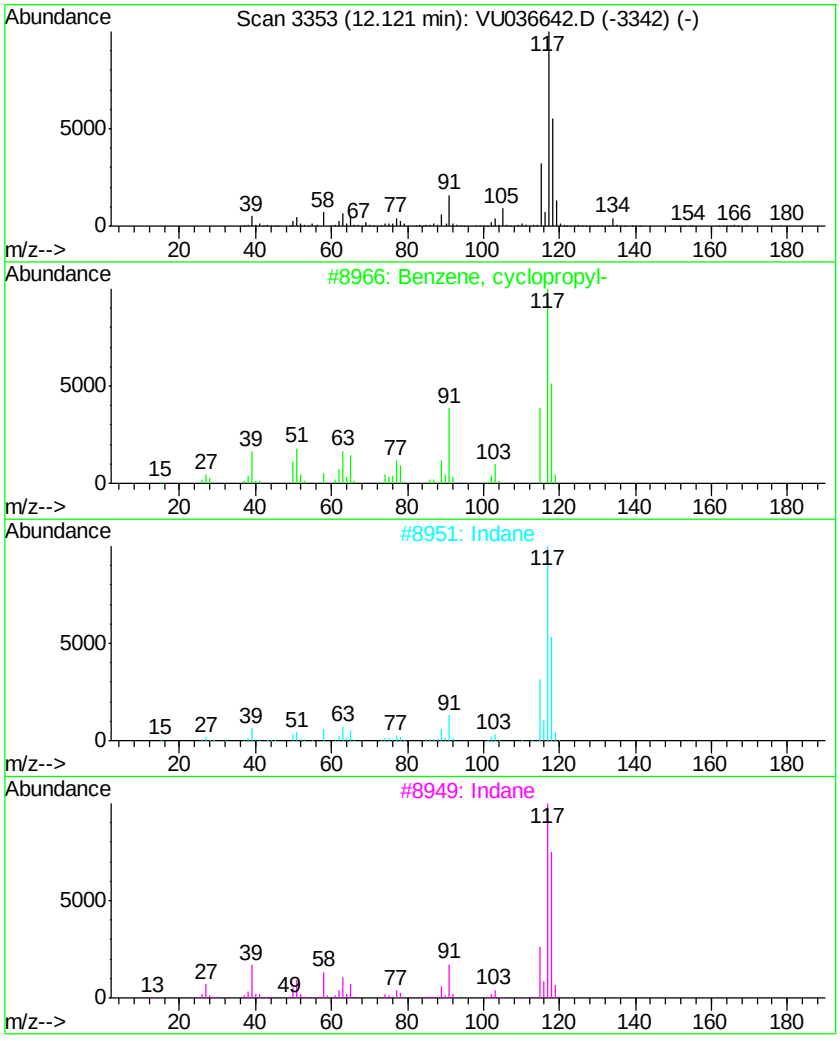
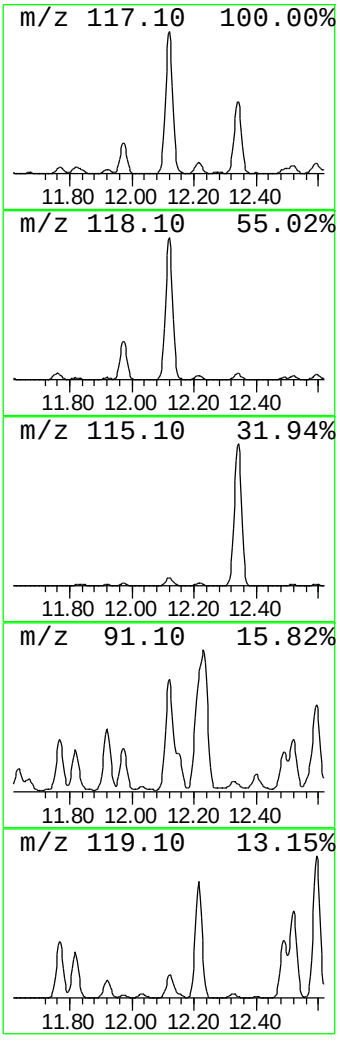
Peak Number 32 Benzene, cyclopropyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	129.10 ug/L	5236160	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

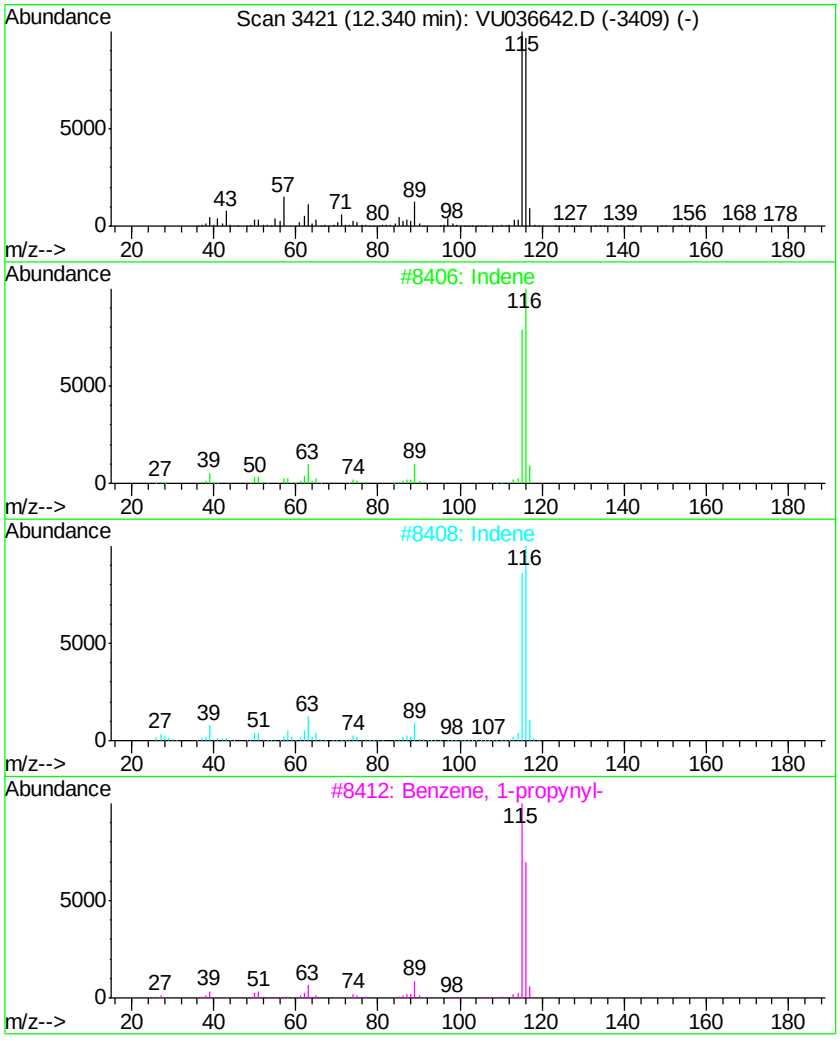
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

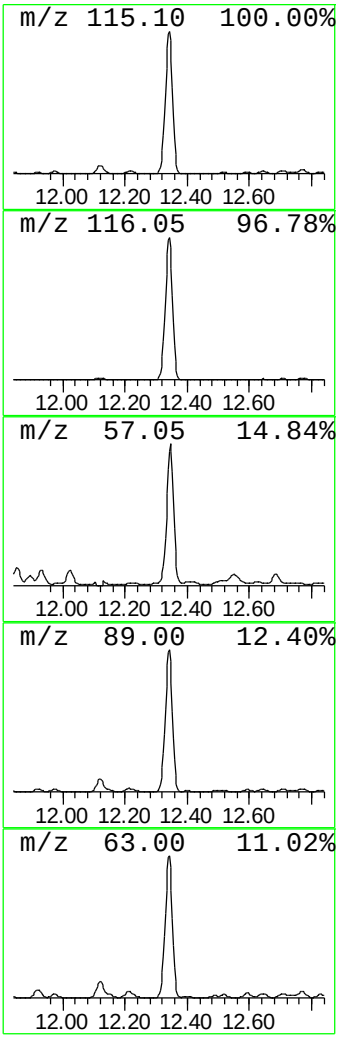
****

Peak Number 33 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	713.42 ug/L	28936300	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

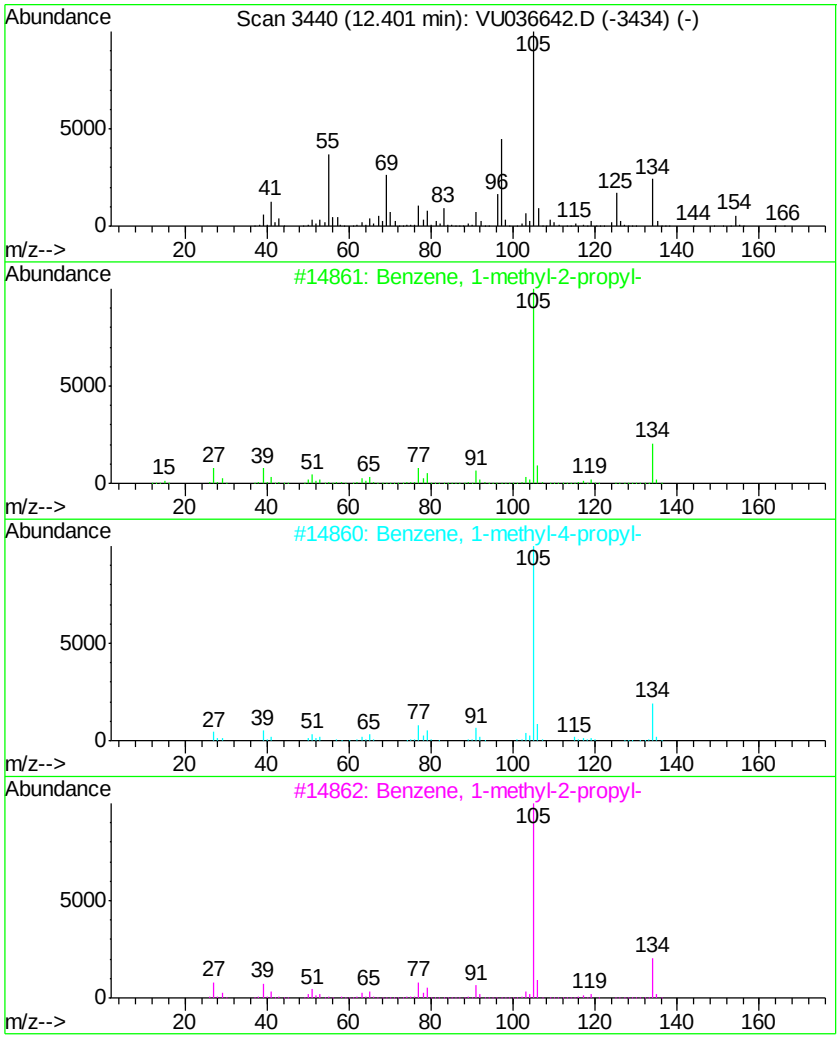
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

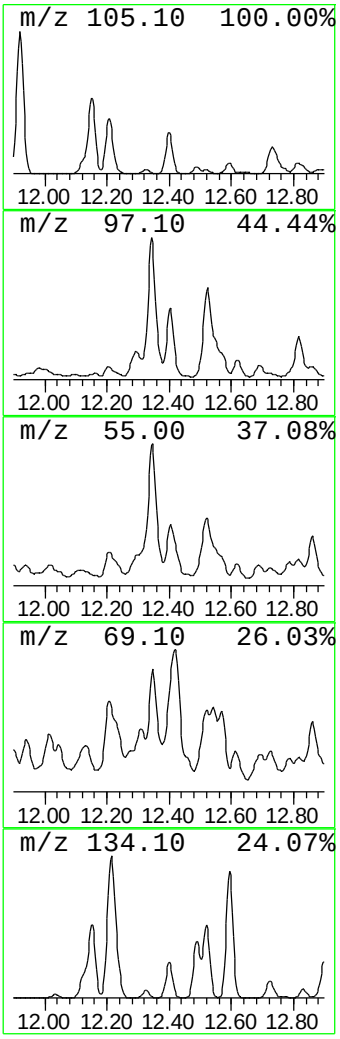
****

Peak Number 34 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	59.64 ug/L	2419000	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	42
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	42
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	42
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	42
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	42





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

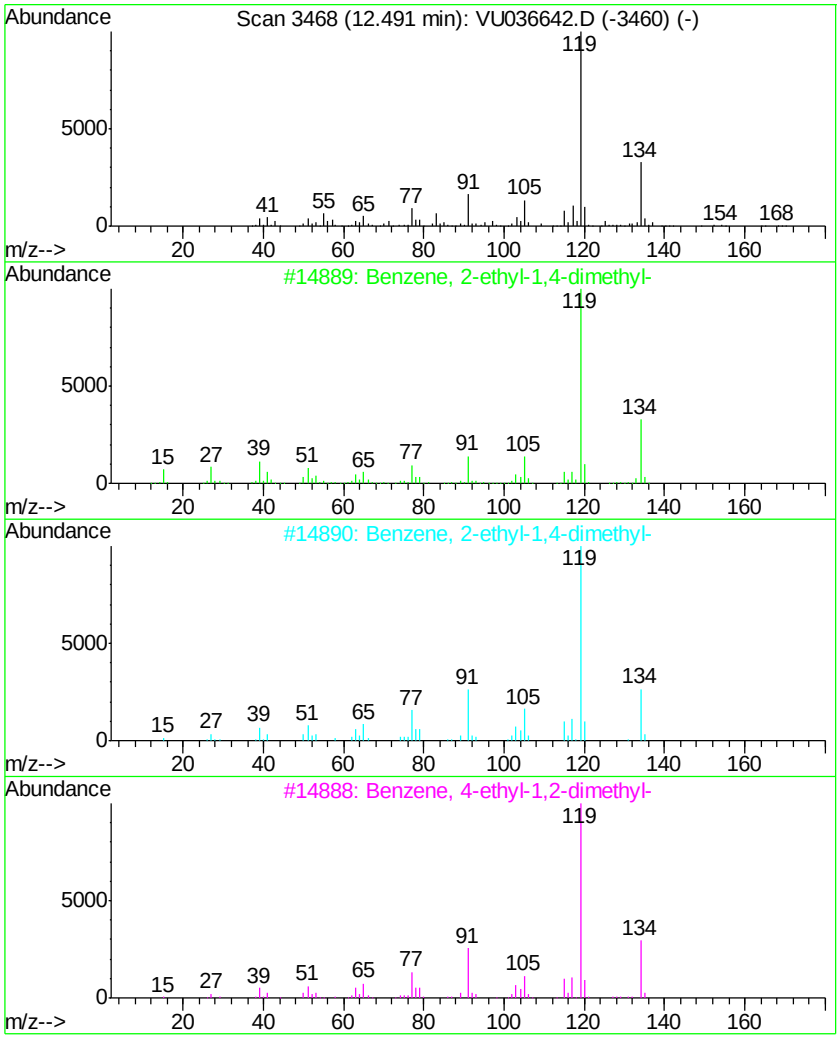
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

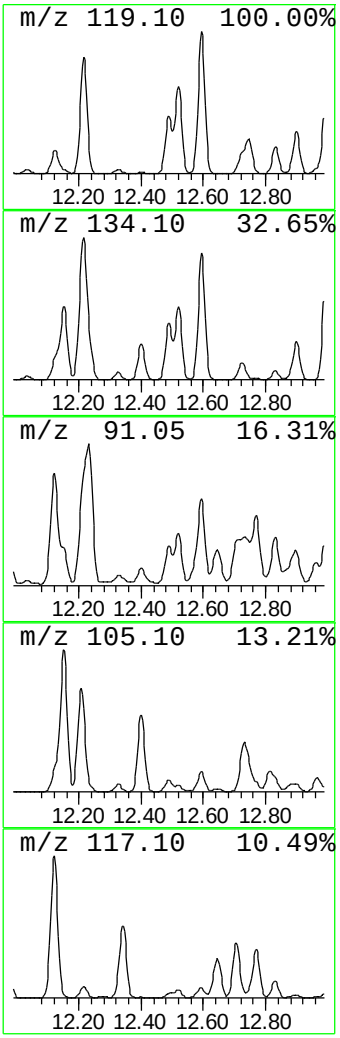
****

Peak Number 35 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	25.04 ug/L	1015630	1,4-Dichlorobenzene-d4	11.84

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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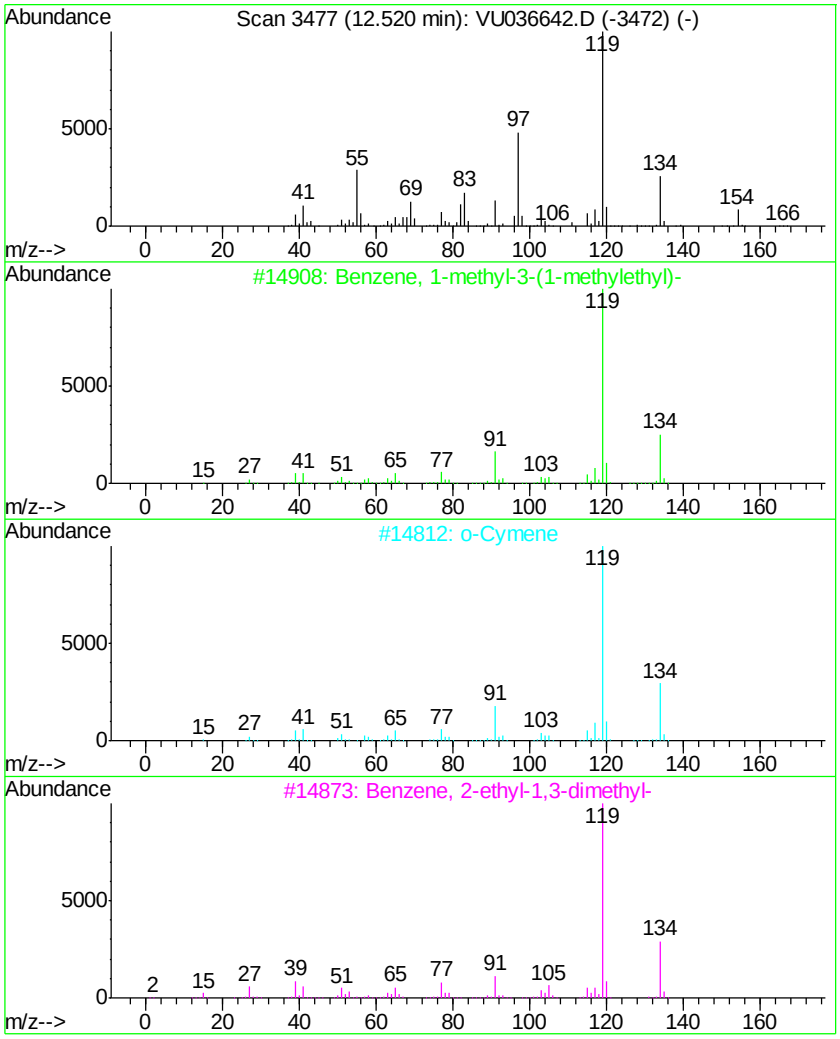
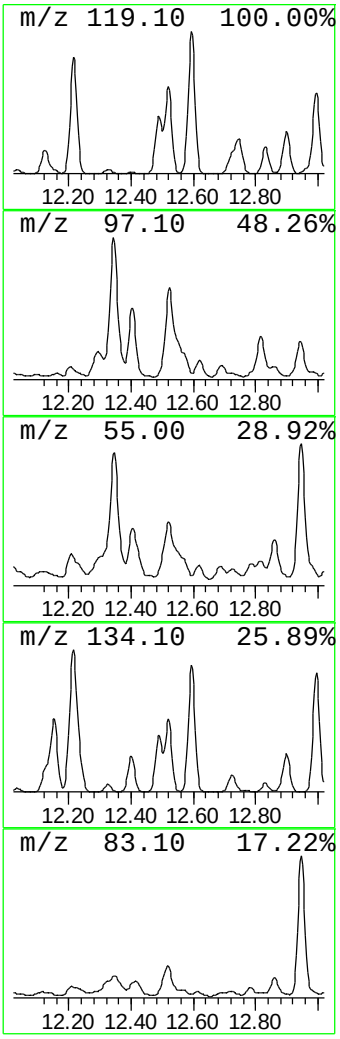
Peak Number 36 Benzene, 1-methyl-3-(1-meth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	59.32 ug/L	2405880	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
2	o-Cymene	134	C10H14	000527-84-4	92
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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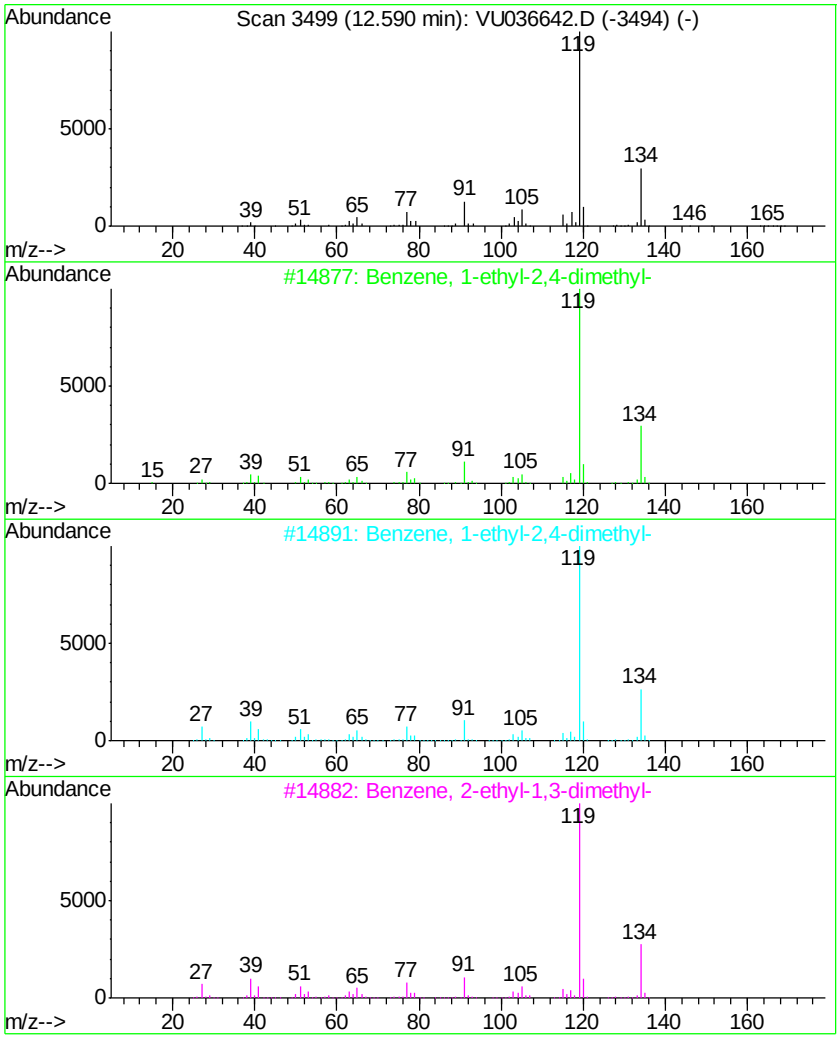
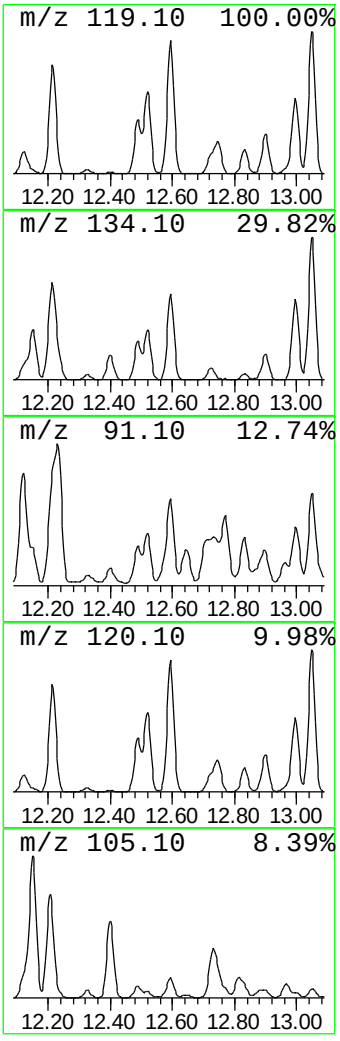
Peak Number 37 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	46.50 ug/L	1886110	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

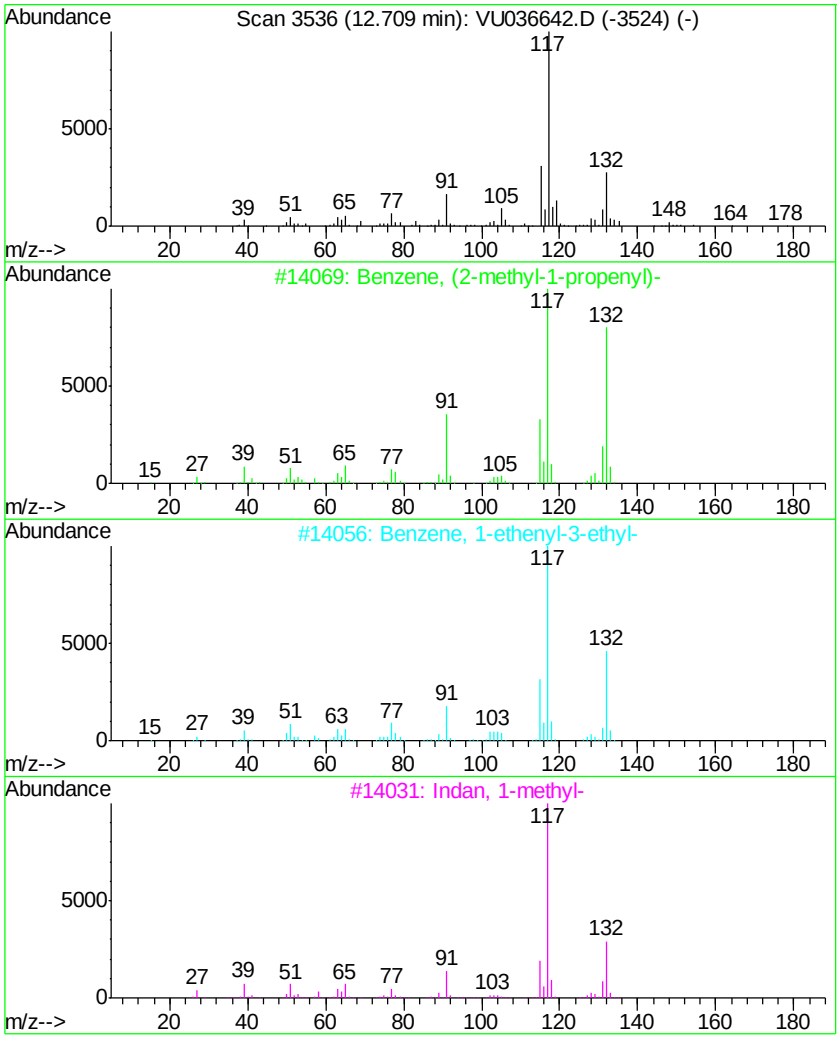
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

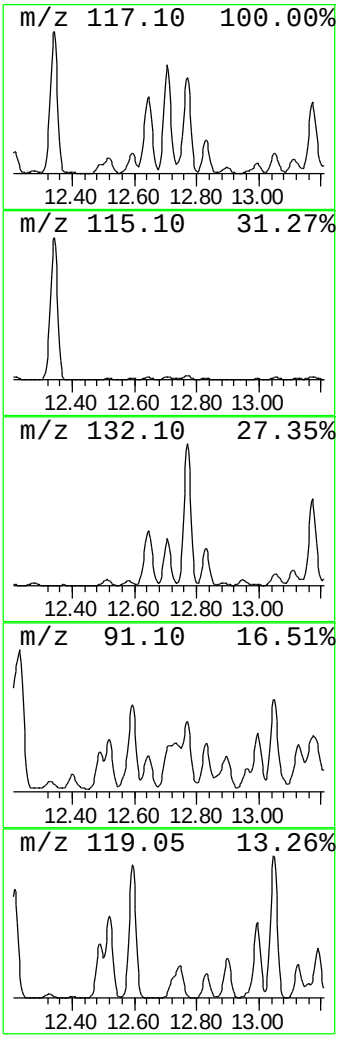
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, (2-methyl-1-propen... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	42.11 ug/L	1708010	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

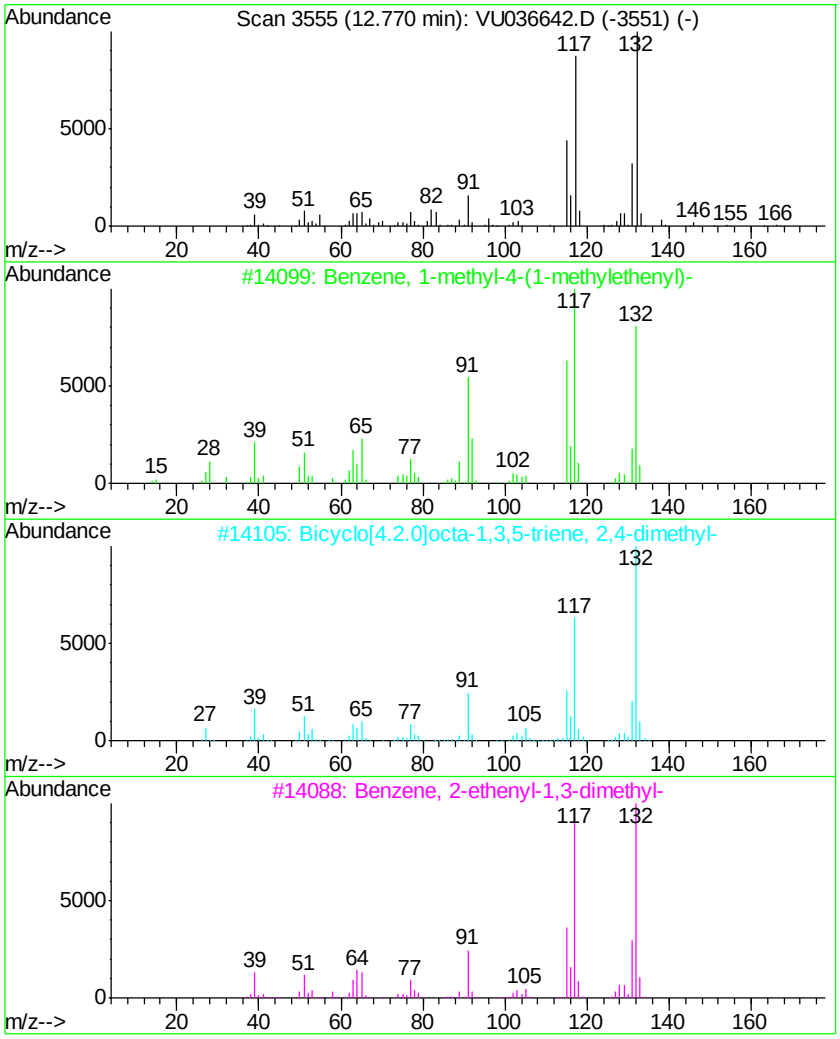
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

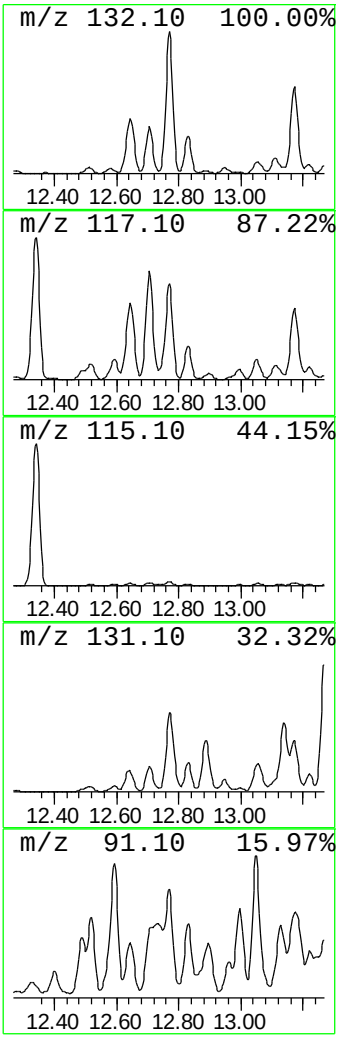
****

Peak Number 39 Benzene, 1-methyl-4-(1-meth... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	45.99 ug/L	1865460	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	91
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	91
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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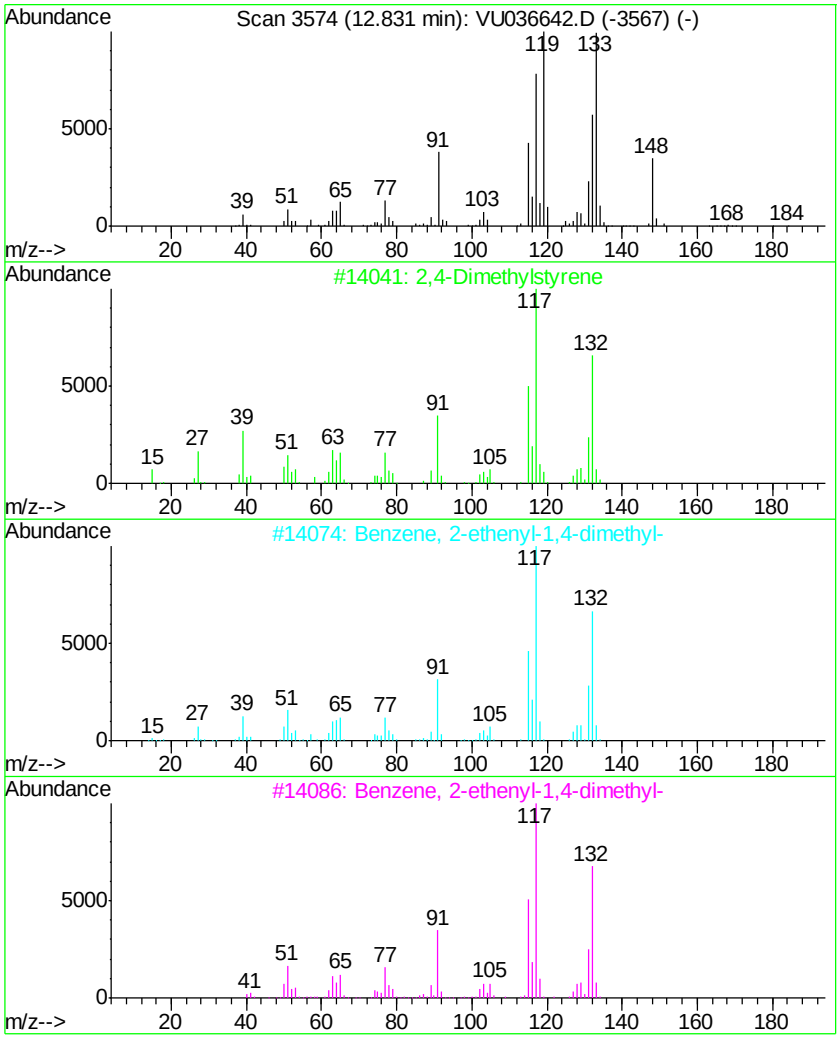
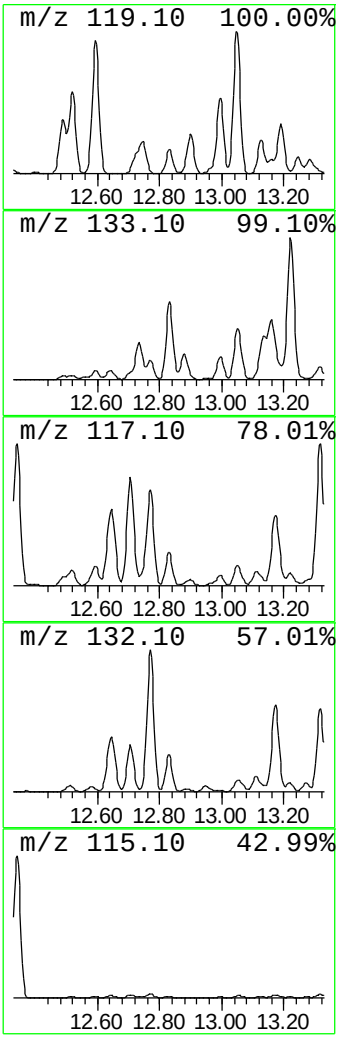
Peak Number 40 2,4-Dimethylstyrene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	22.41 ug/L	909077	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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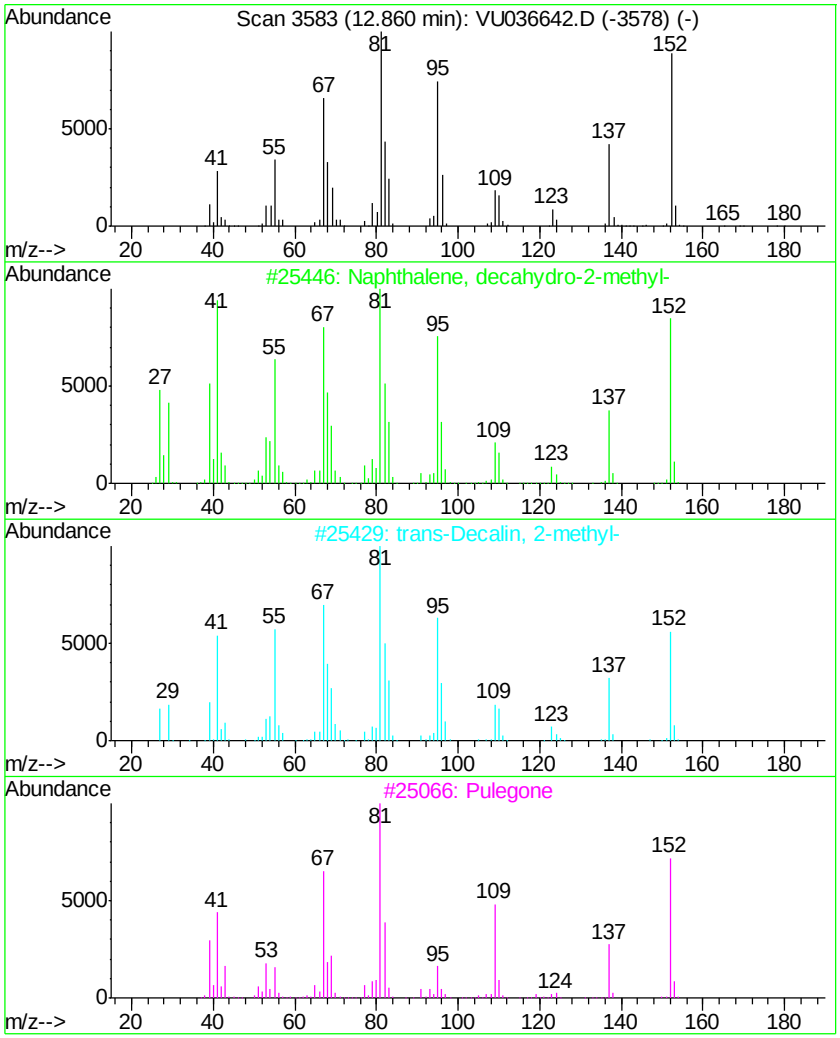
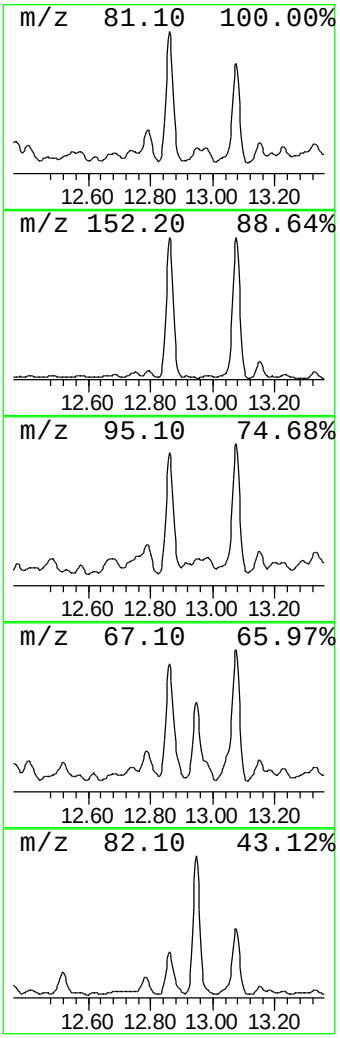
Peak Number 41 Naphthalene, decahydro-2-me... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	38.48 ug/L	1560590	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
3	Pulegone	152	C10H16O	000089-82-7	68
4	Pulegone	152	C10H16O	000089-82-7	64
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

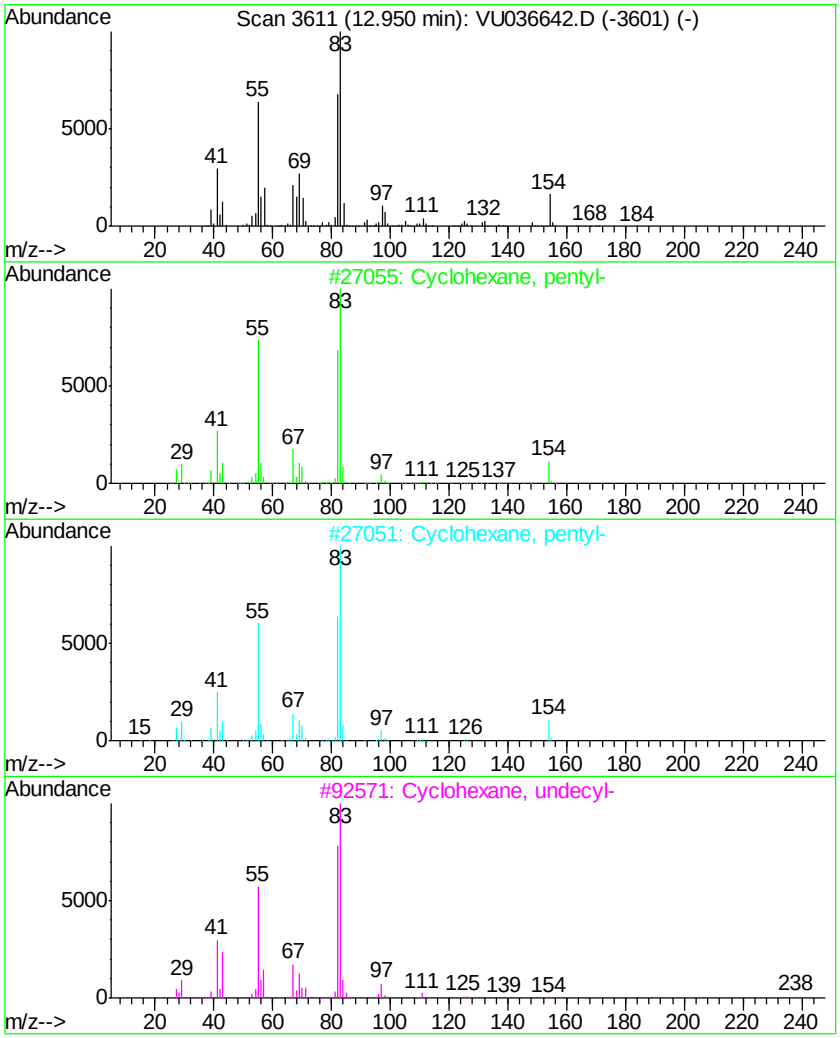
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

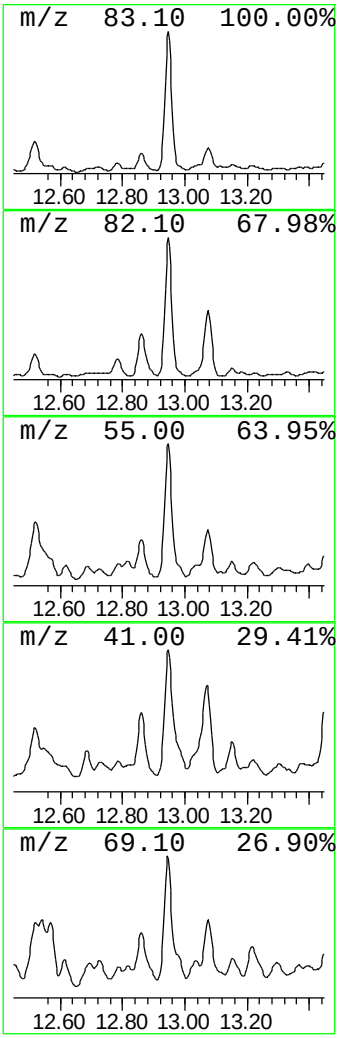
****

Peak Number 42 (DEL) Alkane: Cyclic12.95 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	100.16 ug/L	4062620	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

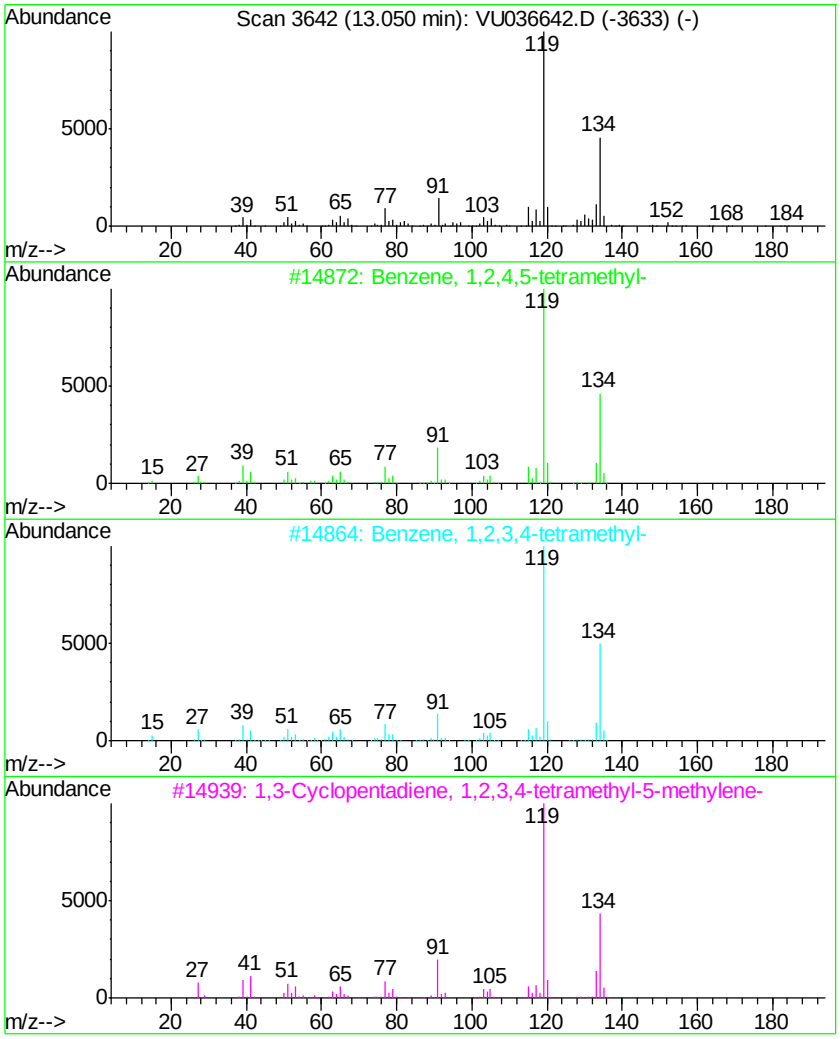
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

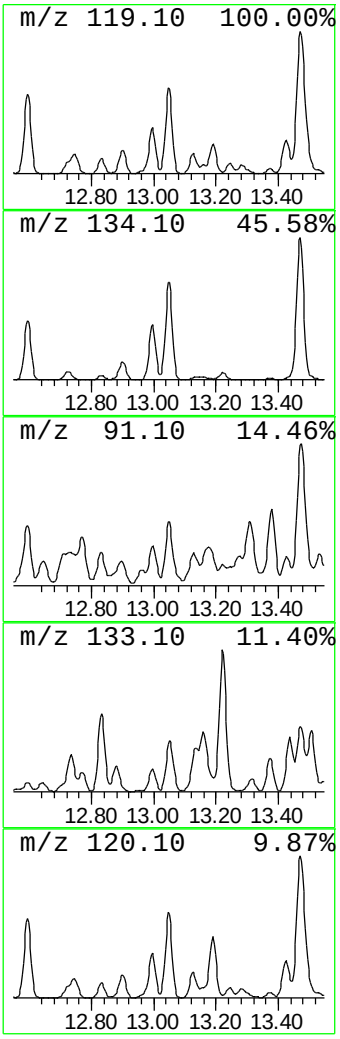
****

Peak Number 43 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	90.19 ug/L	3658260	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

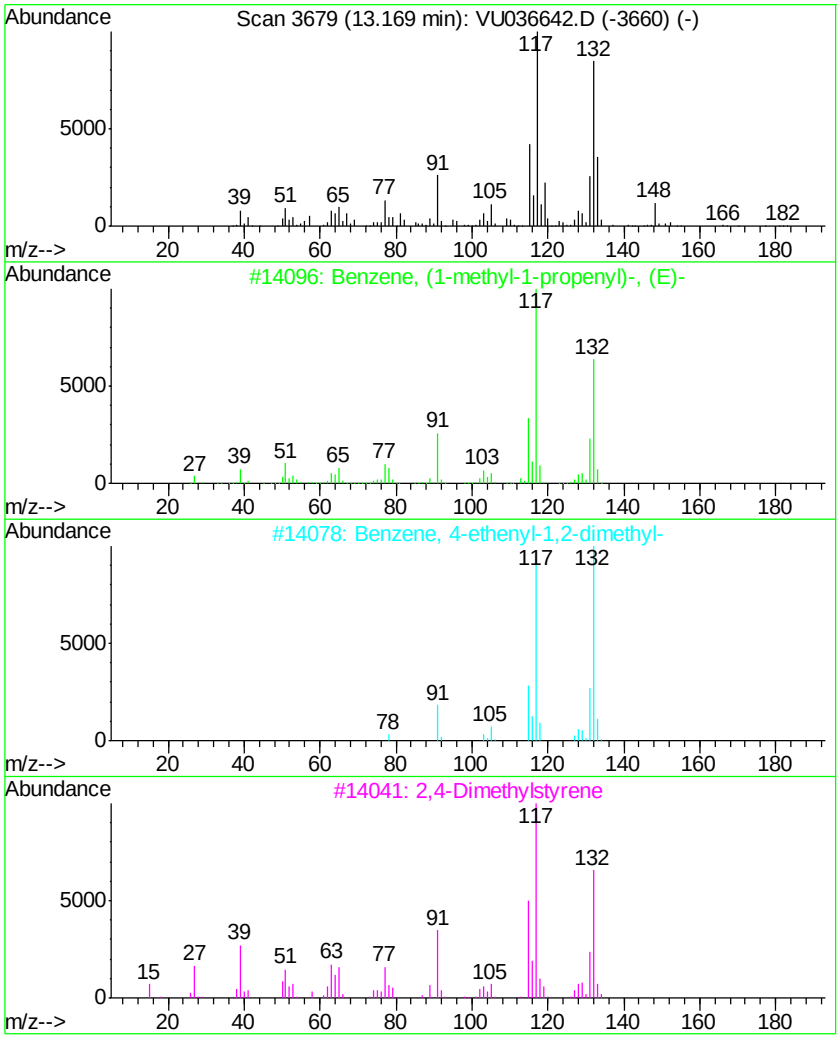
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

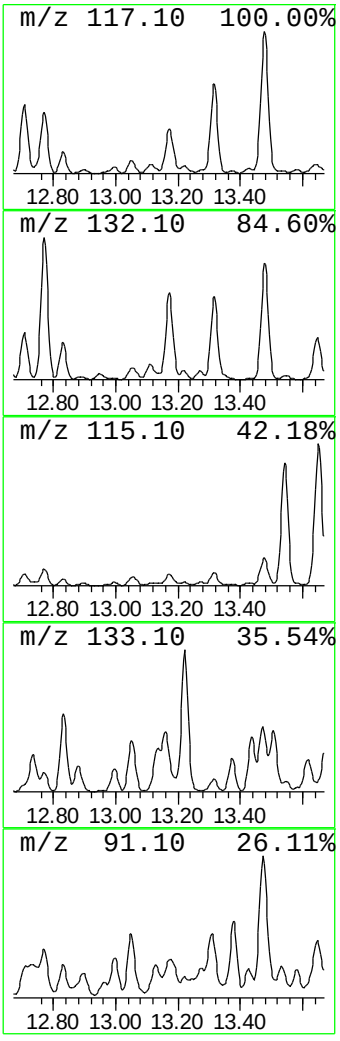
****

Peak Number 44 Benzene, (1-methyl-1-propen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	95.22 ug/L	3862070	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

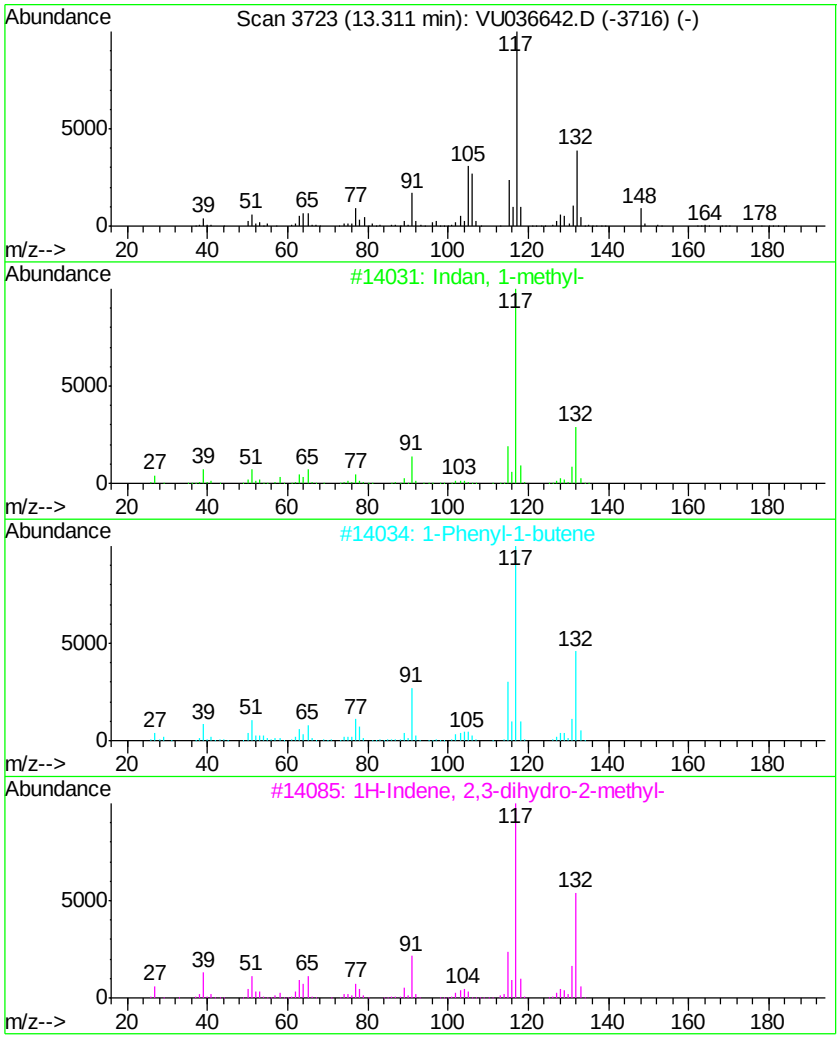
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

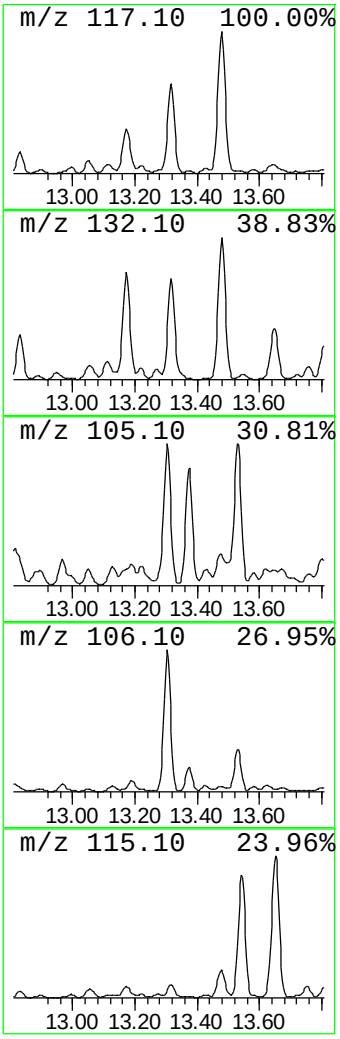
****

Peak Number 45 Indan, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	73.93 ug/L	2998760	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	81
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	81
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76





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Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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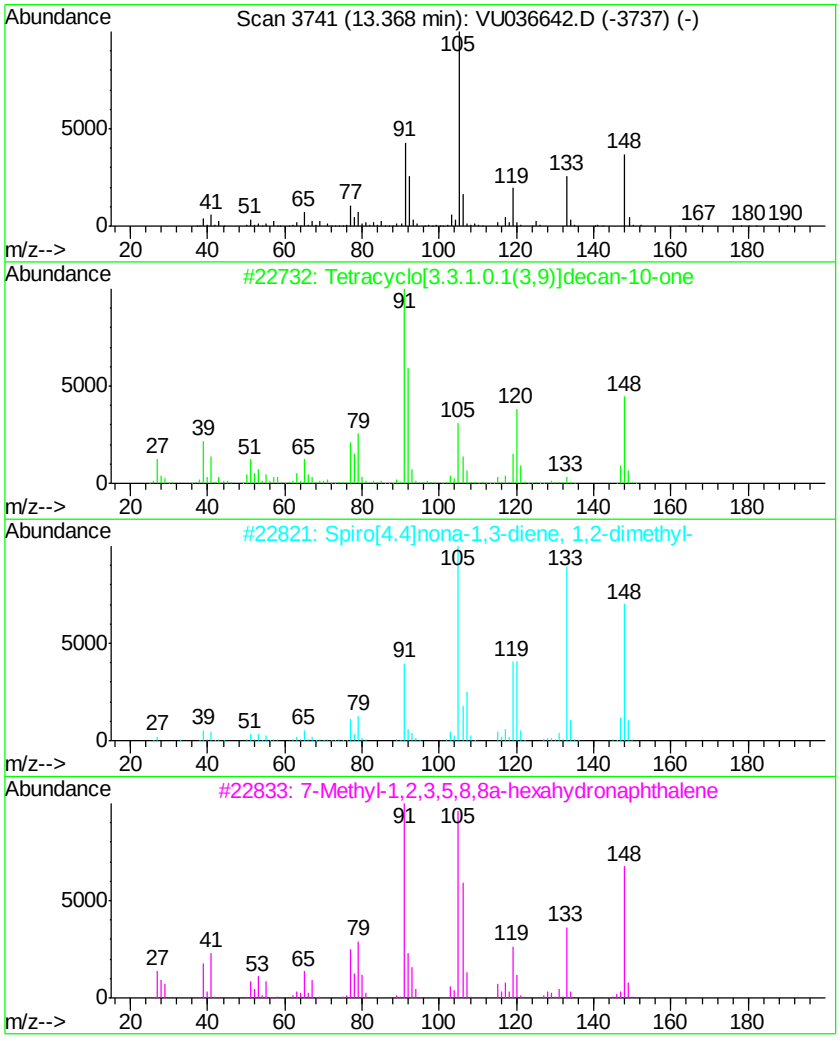
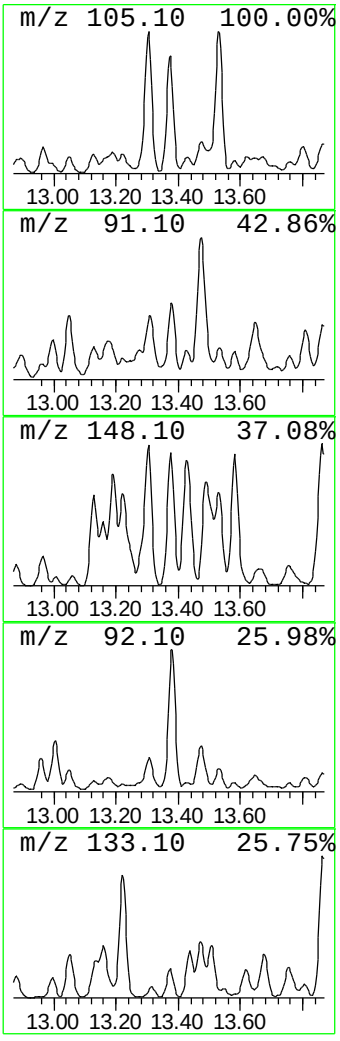
Peak Number 46 Tetracyclo[3.3.1.0.1(3,9)]d... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	20.25 ug/L	821199	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	64
2	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	59
3	7-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-88-5	50
4	Benzene, pentyl-	148	C11H16	000538-68-1	49
5	6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	47





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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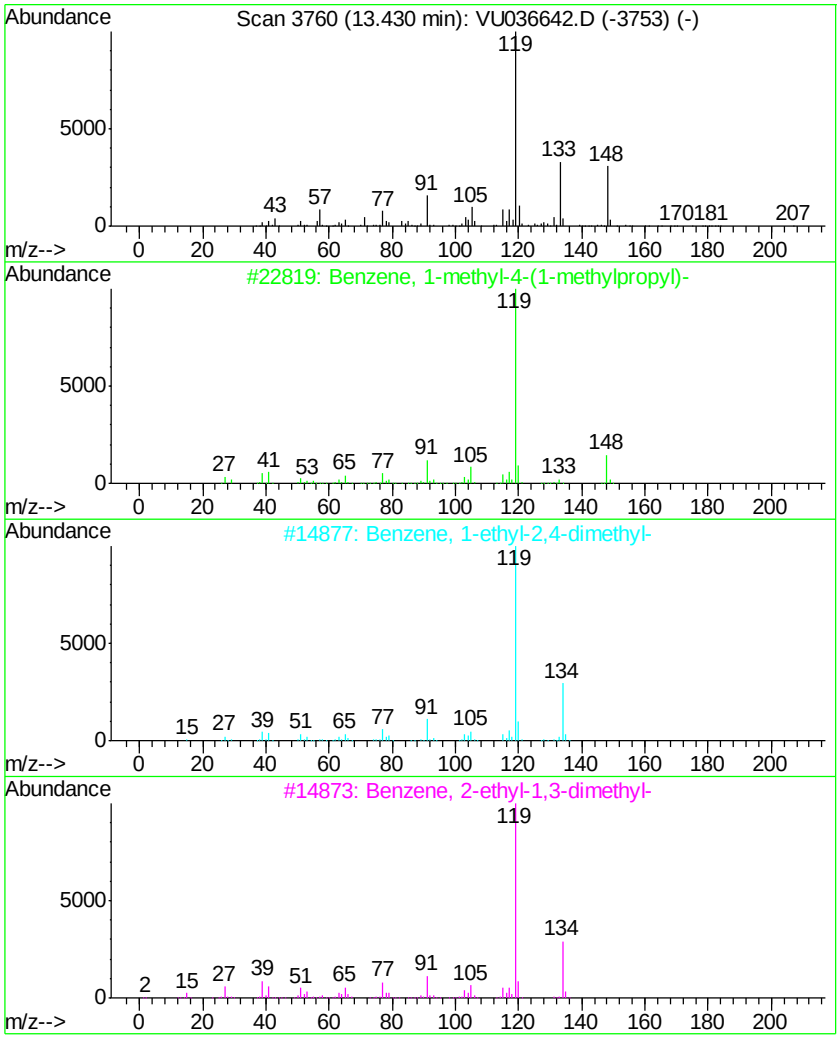
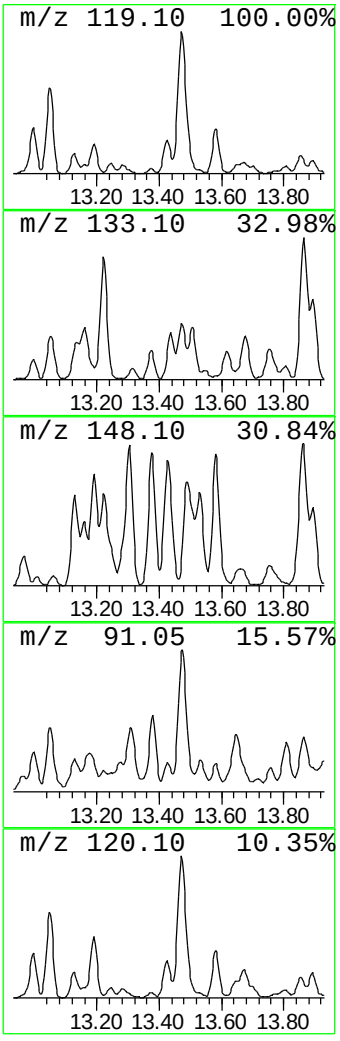
Peak Number 47 Benzene, 1-methyl-4-(1-meth... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	15.48 ug/L	627949	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	59
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	59





Library Search Compound Report

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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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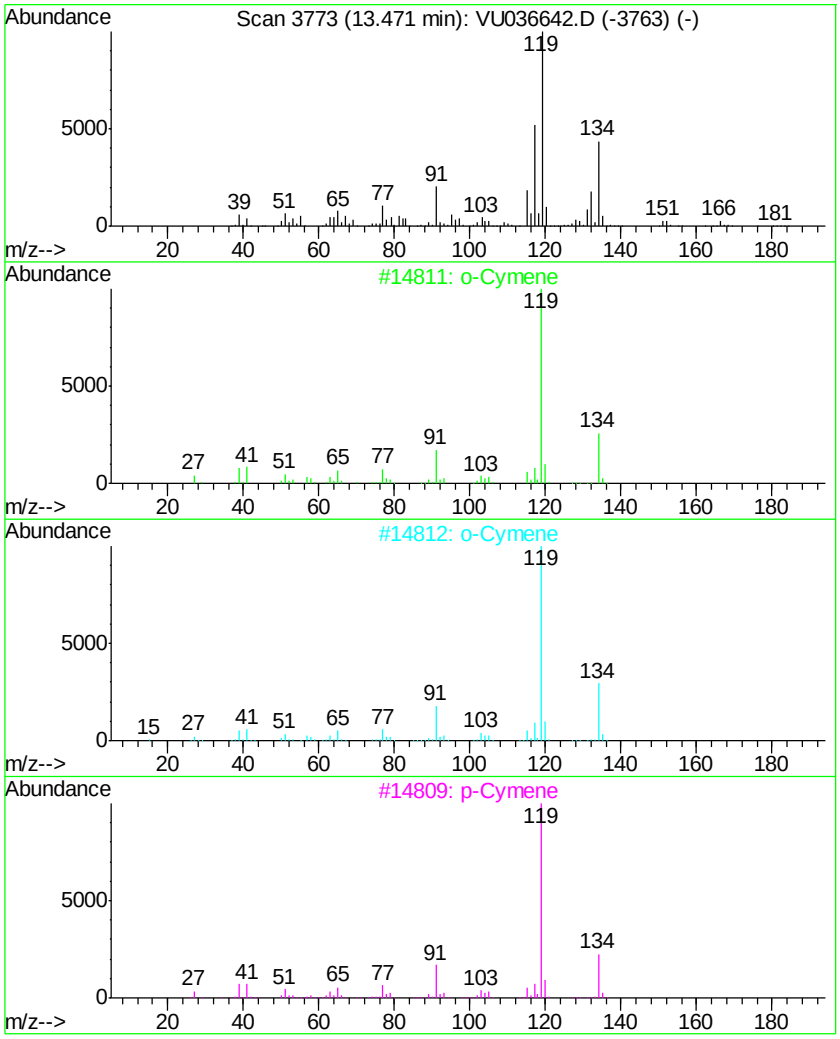
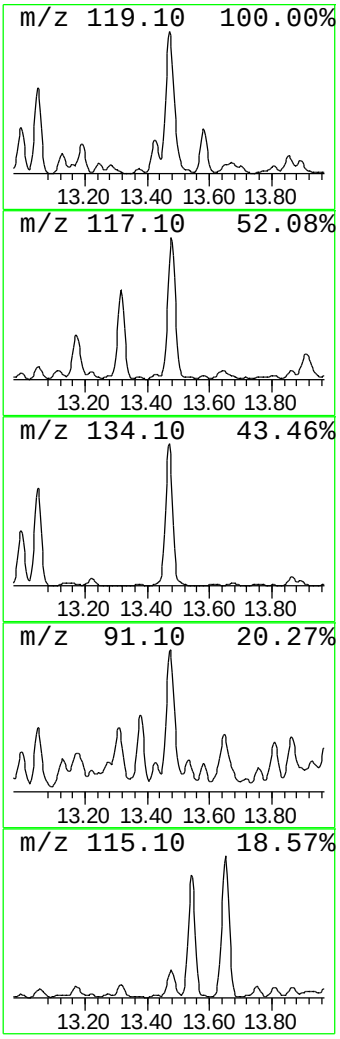
Peak Number 48 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	274.32 ug/L	11126200	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	o-Cymene	134	C10H14	000527-84-4	60
3	p-Cymene	134	C10H14	000099-87-6	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





Library Search Compound Report

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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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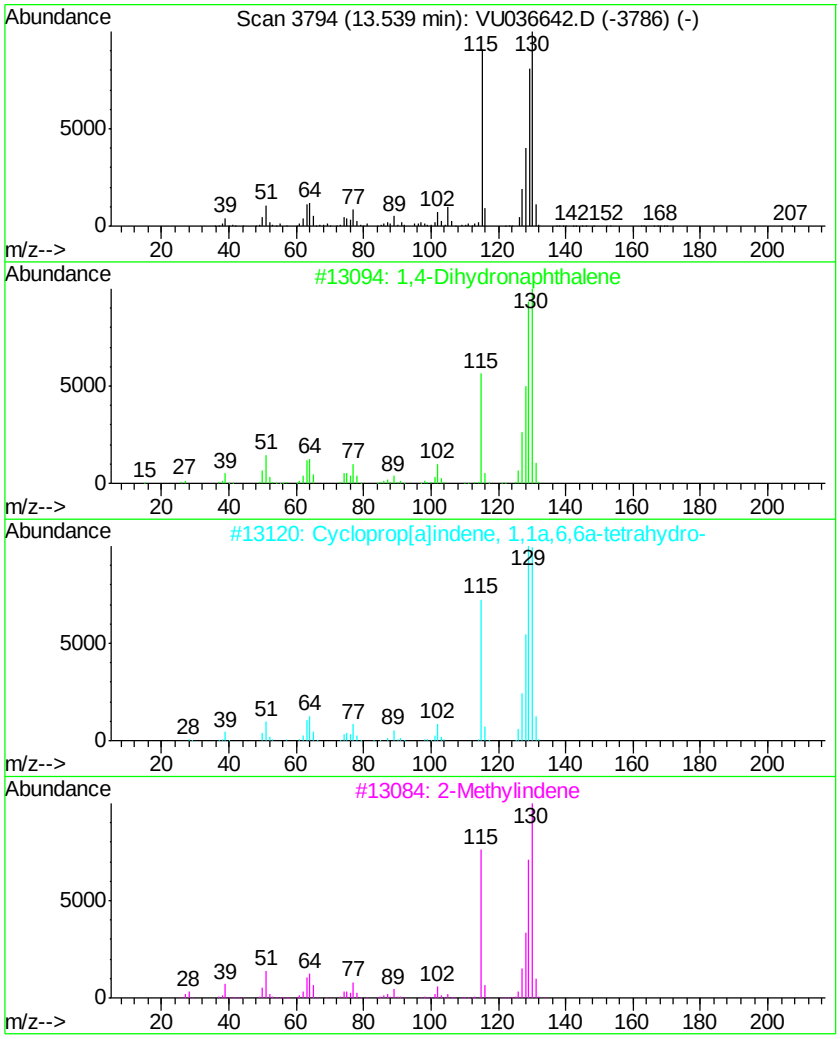
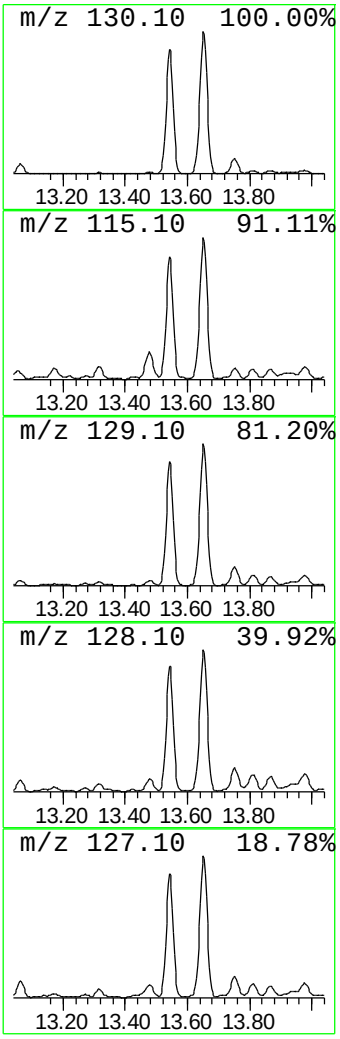
Peak Number 49 1,4-Dihydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	212.49 ug/L	8618730	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	2-Methylindene	130	C10H10	002177-47-1	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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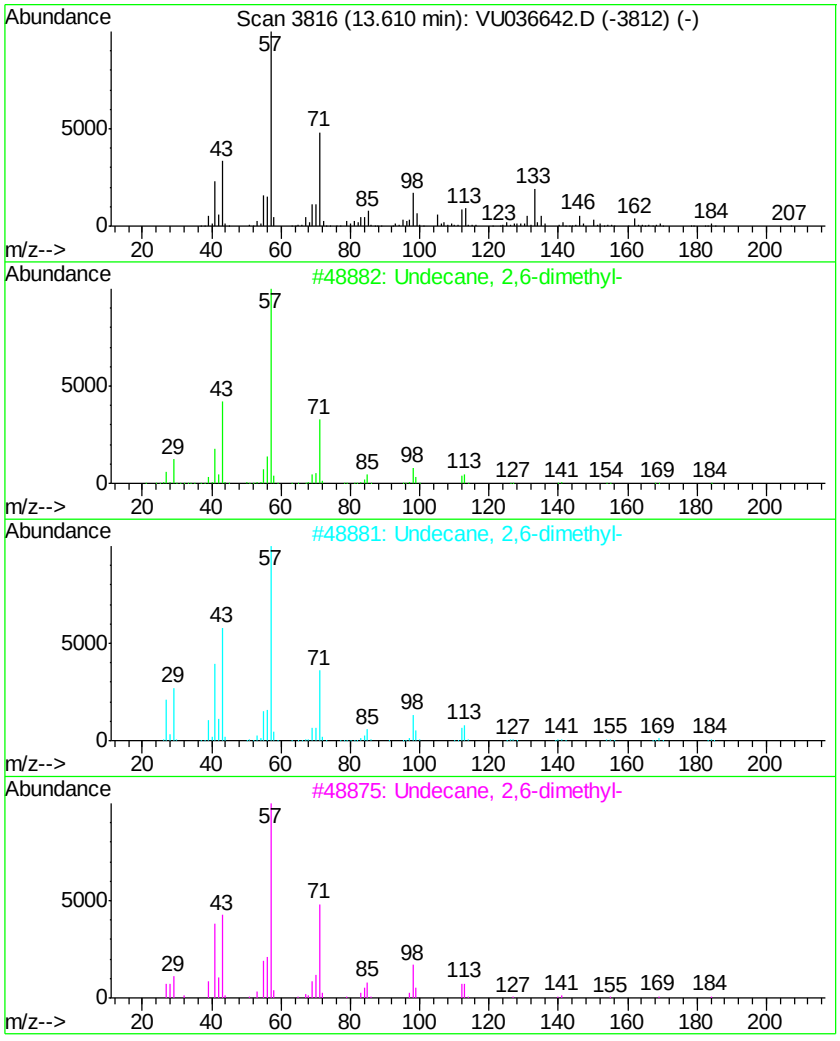
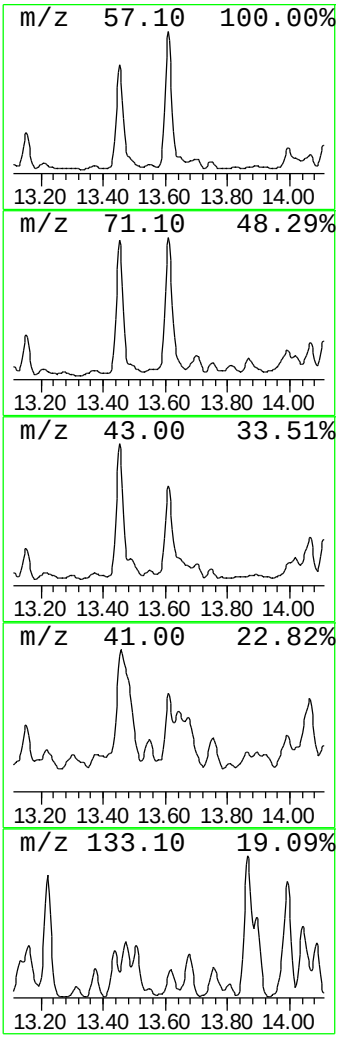
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	13.14 ug/L	532945	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	43
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	43





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Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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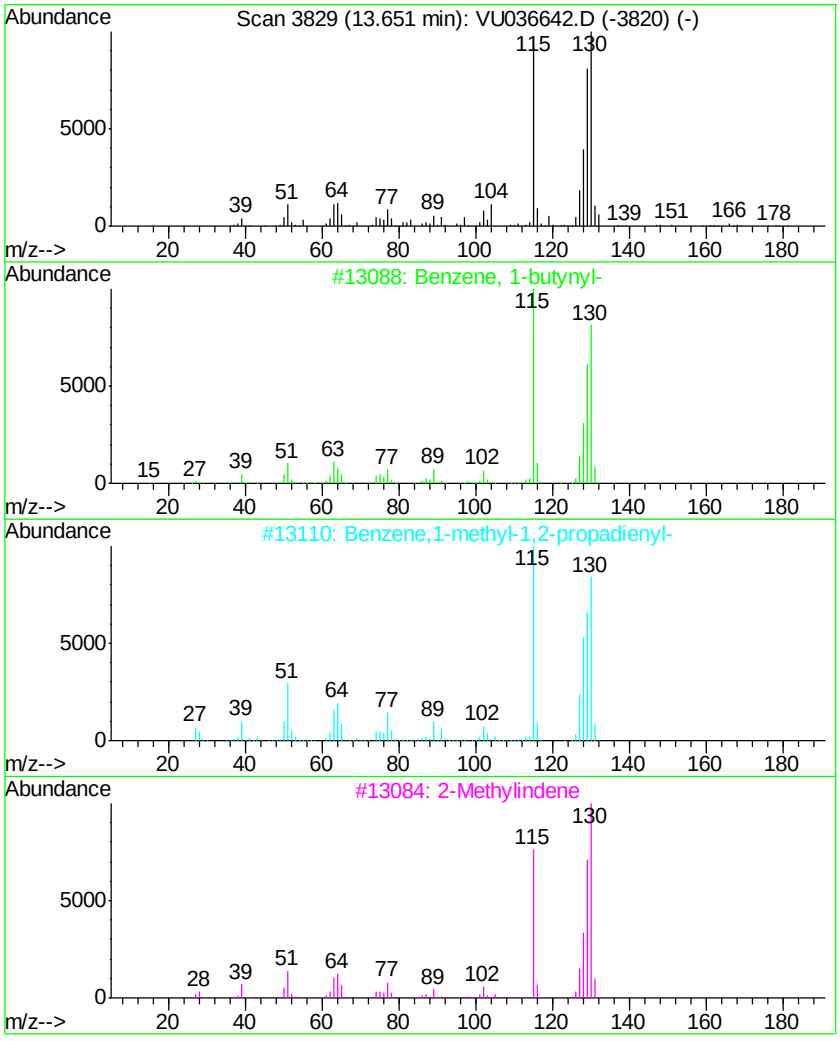
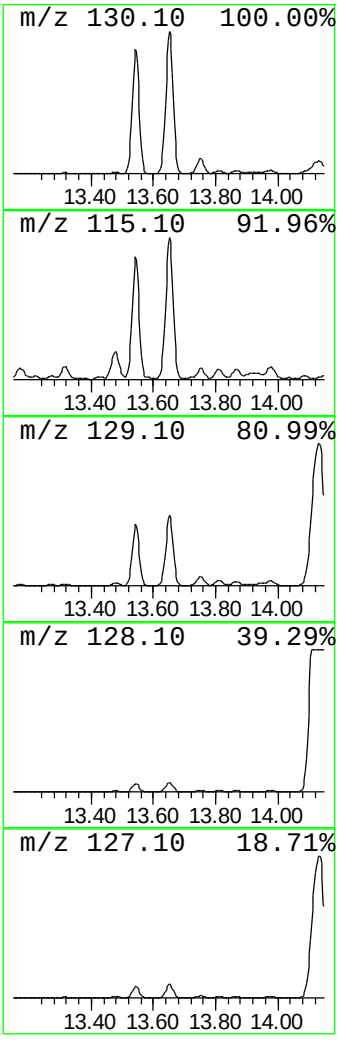
Peak Number 51 Benzene, 1-butynyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	372.31 ug/L	15100800	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3	2-Methylindene	130	C10H10	002177-47-1	94
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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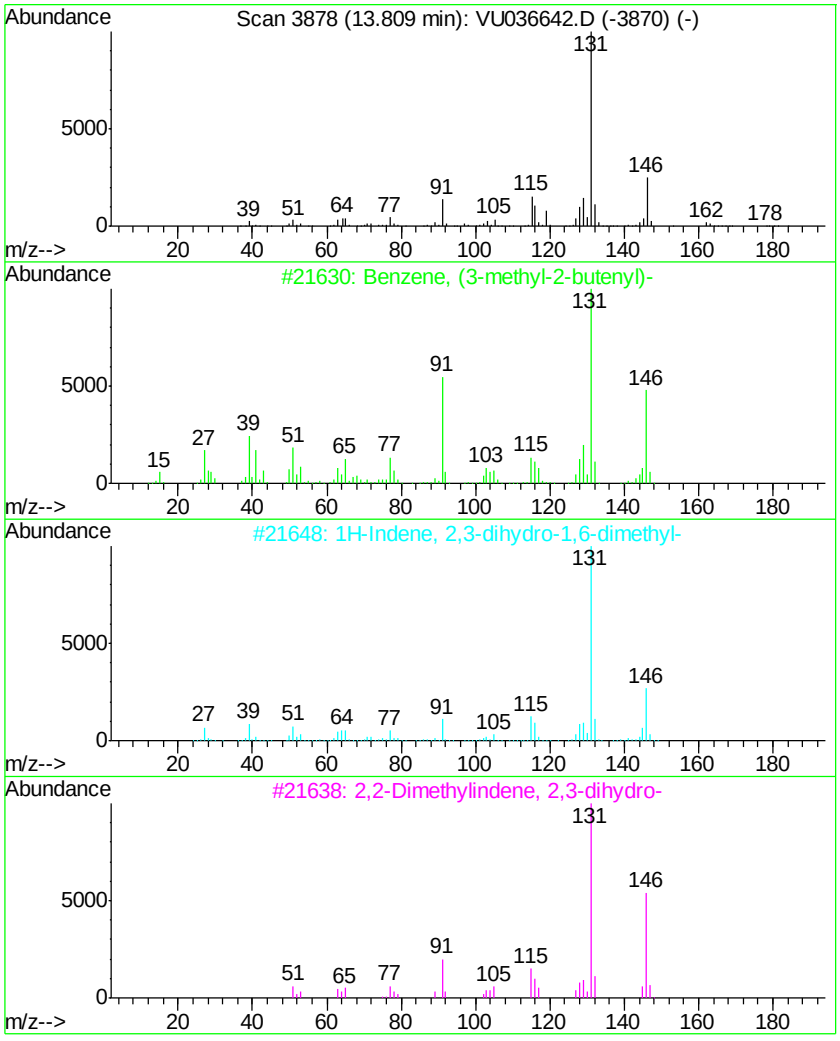
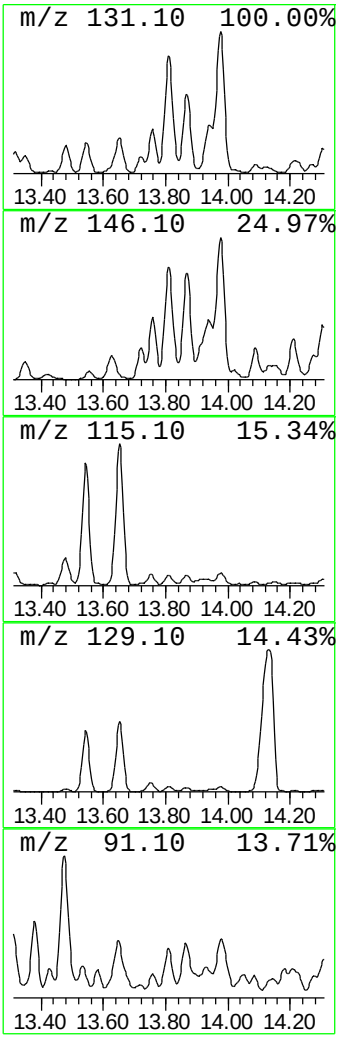
Peak Number 53 Benzene, (3-methyl-2-butenyl)- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	54.85 ug/L	2224770	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

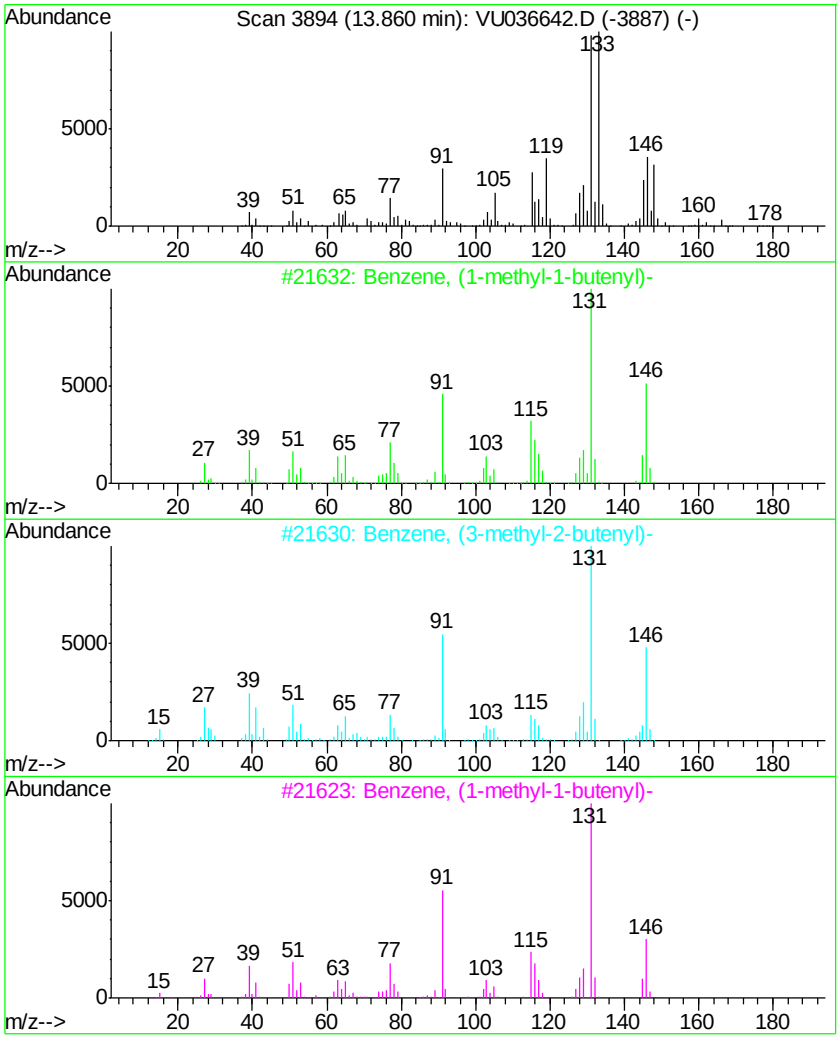
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

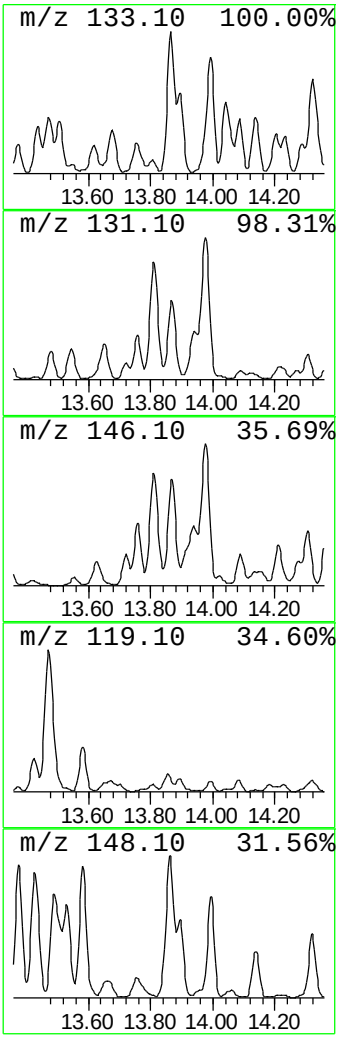
****

Peak Number 54 Benzene, (1-methyl-1-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	98.47 ug/L	3993930	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	50
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

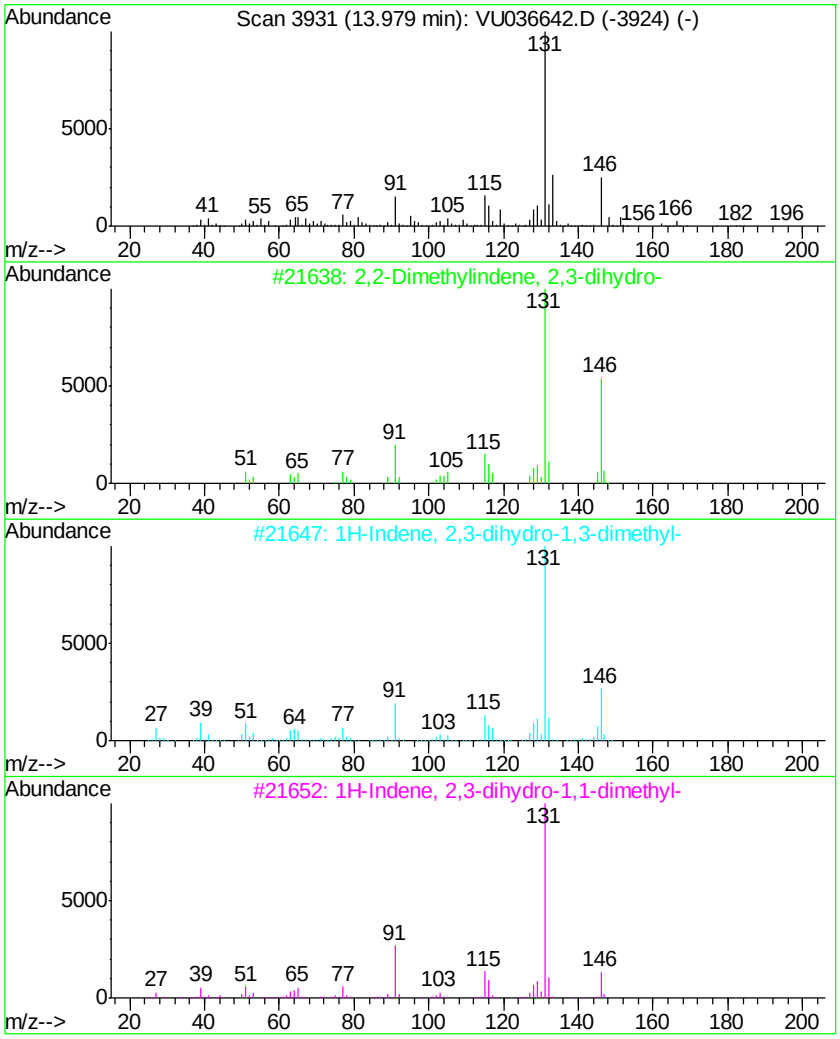
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

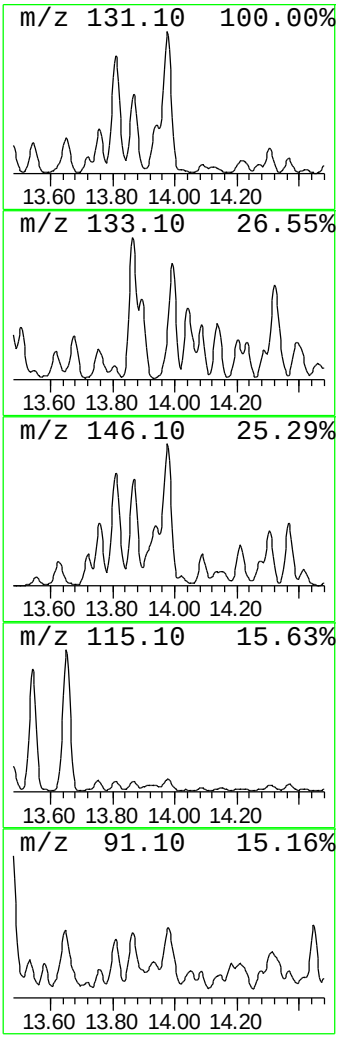
****

Peak Number 55 2,2-Dimethylindene, 2,3-dih... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	90.90 ug/L	3686850	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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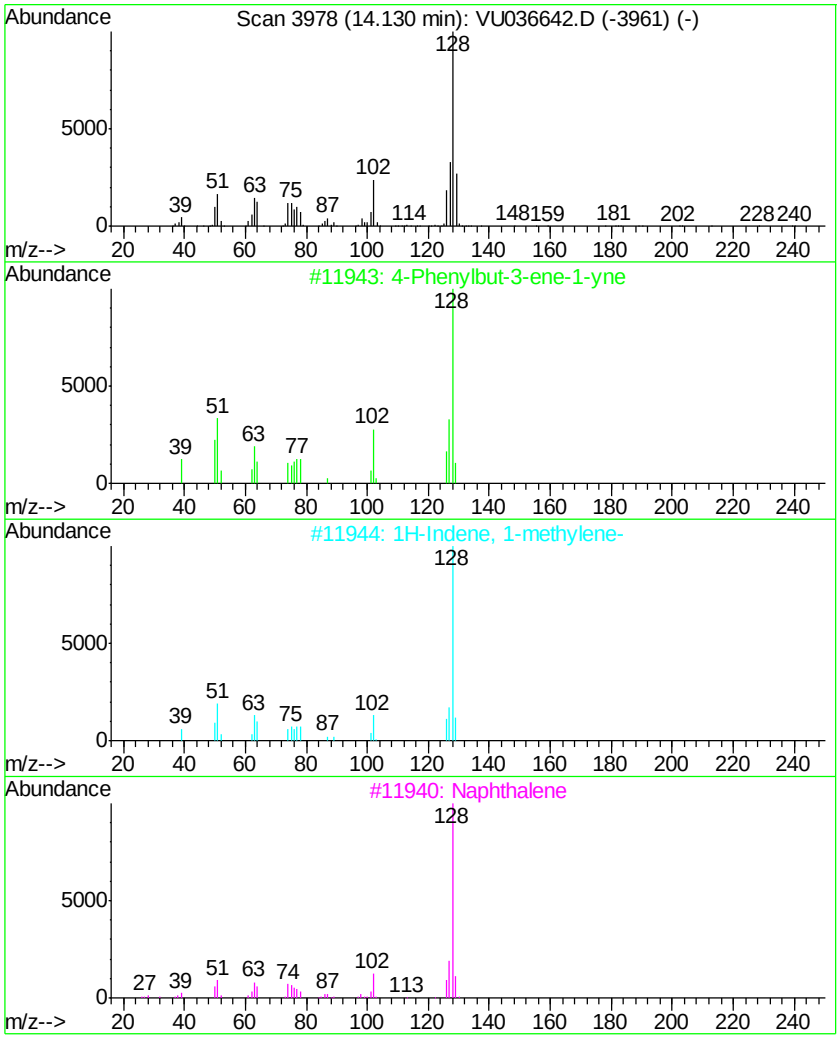
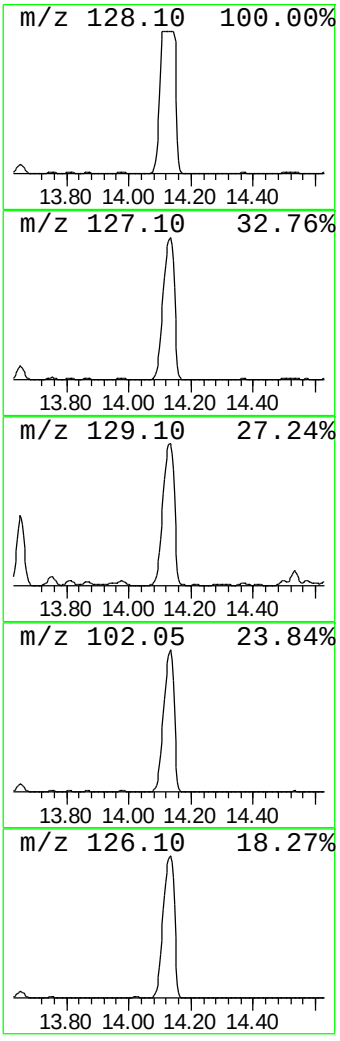
Peak Number 56 4-Phenylbut-3-ene-1-yne Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2349.37 ug/L	95290100	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	90
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	83
3	Naphthalene	128	C10H8	000091-20-3	81
4	Azulene	128	C10H8	000275-51-4	81
5	Azulene	128	C10H8	000275-51-4	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036642.D
Acq On : 31 Jan 2020 01:26
Operator : JC/MD
Sample : L1324-12
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.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...	8.15	21.1	ug/L	344806	2	9.45	817293	50.0
(DEL) Alkane: Cyc...	8.27	14.1	ug/L	229686	2	9.45	817293	50.0
(DEL) Alkane: Cyc...	8.89	22.5	ug/L	367259	2	9.45	817293	50.0
(DEL) Alkane: Cyc...	8.95	19.6	ug/L	320186	2	9.45	817293	50.0
(DEL) Alkane: Cyc...	9.19	20.4	ug/L	333876	2	9.45	817293	50.0
(DEL) Alkane: Str...	9.24	25.7	ug/L	419904	2	9.45	817293	50.0
(DEL) Alkane: Str...	9.36	24.5	ug/L	400564	2	9.45	817293	50.0
unknown-01	9.91	13.9	ug/L	227910	2	9.45	817293	50.0
(DEL) Alkane: Cyc...	10.06	46.6	ug/L	761561	2	9.45	817293	50.0
(DEL) Alkane: Str...	10.27	97.3	ug/L	1590550	2	9.45	817293	50.0
(DEL) Alkane: Cyc...	10.38	115.5	ug/L	1887720	2	9.45	817293	50.0
(DEL) Alkane: Str...	10.58	21.0	ug/L	343875	2	9.45	817293	50.0
(DEL) Alkane: Str...	10.65	20.3	ug/L	825064	3	11.84	2028000	50.0
3-Octyne, 2-methyl-	10.72	5.3	ug/L	216012	3	11.84	2028000	50.0
Benzene, propyl-	10.93	14.2	ug/L	575068	3	11.84	2028000	50.0
(DEL) Alkane: Cyc...	10.98	4.4	ug/L	177288	3	11.84	2028000	50.0
Benzene, 1-ethyl-...	11.05	143.7	ug/L	5828850	3	11.84	2028000	50.0
(DEL) Alkane: Str...	11.13	178.7	ug/L	7248330	3	11.84	2028000	50.0
(DEL) Alkane: Cyc...	11.21	5.2	ug/L	210204	3	11.84	2028000	50.0
(DEL) Alkane: Cyc...	11.27	7.5	ug/L	305323	3	11.84	2028000	50.0
(DEL) Alkane: Str...	11.39	7.2	ug/L	290421	3	11.84	2028000	50.0
(DEL) Alkane: Str...	11.44	26.6	ug/L	1078010	3	11.84	2028000	50.0
Benzene, 1,2,3-tr...	11.49	240.5	ug/L	9756040	3	11.84	2028000	50.0
Benzene, 1-etheny...	11.56	49.2	ug/L	1995320	3	11.84	2028000	50.0
unknown-02	11.66	21.8	ug/L	884888	3	11.84	2028000	50.0
(DEL) Alkane: Cyc...	11.74	68.2	ug/L	2765400	3	11.84	2028000	50.0
Benzene, 1-propenyl-	11.97	20.8	ug/L	843477	3	11.84	2028000	50.0
(DEL) Alkane: Str...	12.02	25.4	ug/L	1031380	3	11.84	2028000	50.0
Benzene, cyclopro...	12.12	129.1	ug/L	5236160	3	11.84	2028000	50.0
Indene	12.34	713.4	ug/L	28936300	3	11.84	2028000	50.0
unknown-03	12.40	59.6	ug/L	2419000	3	11.84	2028000	50.0
Benzene, 2-ethyl-...	12.49	25.0	ug/L	1015630	3	11.84	2028000	50.0
Benzene, 1-methyl...	12.52	59.3	ug/L	2405880	3	11.84	2028000	50.0
Benzene, 1-ethyl-...	12.59	46.5	ug/L	1886110	3	11.84	2028000	50.0
Benzene, (2-methy...	12.71	42.1	ug/L	1708010	3	11.84	2028000	50.0
Benzene, 1-methyl...	12.77	46.0	ug/L	1865460	3	11.84	2028000	50.0
2,4-Dimethylstyrene	12.83	22.4	ug/L	909077	3	11.84	2028000	50.0
Naphthalene, deca...	12.86	38.5	ug/L	1560590	3	11.84	2028000	50.0
(DEL) Alkane: Cyc...	12.95	100.2	ug/L	4062620	3	11.84	2028000	50.0
Benzene, 1,2,4,5-...	13.05	90.2	ug/L	3658260	3	11.84	2028000	50.0
Benzene, (1-methy...	13.17	95.2	ug/L	3862070	3	11.84	2028000	50.0
Indan, 1-methyl-	13.31	73.9	ug/L	2998760	3	11.84	2028000	50.0
Tetracyclo[3.3.1....	13.37	20.3	ug/L	821199	3	11.84	2028000	50.0
Benzene, 1-methyl...	13.43	15.5	ug/L	627949	3	11.84	2028000	50.0
o-Cymene	13.47	274.3	ug/L	11126200	3	11.84	2028000	50.0
1,4-Dihydronaphth...	13.54	212.5	ug/L	8618730	3	11.84	2028000	50.0
(DEL) Alkane: Str...	13.61	13.1	ug/L	532945	3	11.84	2028000	50.0
Benzene, 1-butynyl-	13.65	372.3	ug/L	15100800	3	11.84	2028000	50.0
Benzene, (3-methy...	13.81	54.9	ug/L	2224770	3	11.84	2028000	50.0

Benzene, (1-methy...	13.86	98.5	ug/L	3993930	3	11.84	2028000	50.0
2,2-Dimethylinden...	13.98	90.9	ug/L	3686850	3	11.84	2028000	50.0
4-Phenylbut-3-ene...	14.13	2349.4	ug/L	95290100	3	11.84	2028000	50.0

Instrument :
MSVOA_U
ClientSampleId :
GAT67