LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

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\SOMULM042719WMA.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	1.396	87	95	112	rBV	258222	394876	0.10%	0.025%
2	1.682	176	184	198	rBV	172485	326388	0.08%	0.020%
3	2.241	348	358	373	rBV	572929	927735	0.23%	0.058%
4	4.212	953	971	1024	rBV	175540	1073767	0.27%	0.067%
5	4.643	1088	1105	1140	rVB	467626	1327262	0.33%	0.083%
6	5.328	1296	1318	1355	rBV3	1212546	4012588	1.00%	0.251%
7	5.881	1476	1490	1526	rBV	1065788	2549799	0.63%	0.160%
8	6.328	1614	1629	1663	rVV	699570	1687387	0.42%	0.106%
9	7.228	1898	1909	1935	rVV2	360254	830300	0.21%	0.052%
10	7.563	1991	2013	2025	rBV	1361569	2764458	0.69%	0.173%
11	7.633	2025	2035	2068	rVB	2956440	5998932	1.49%	0.376%
12	7.852	2097	2103	2116	rVB	173299	346706	0.09%	0.022%
13	8.350	2230	2258	2283	rBV	840595	2862118	0.71%	0.179%
14	8.601	2326	2336	2346	rBV2	221880	404614	0.10%	0.025%
15	8.845	2406	2412	2422	rVV5	189126	388943	0.10%	0.024%
16	8.907	2423	2431	2442	rVB2	448021	736667	0.18%	0.046%
17	9.029	2458	2469	2478	rBV	584516	928912	0.23%	0.058%
18	9.093	2478	2489	2505	rBV	1443917	2964360	0.74%	0.186%
19	9.251	2525	2538	2557	rBV	15572895	28958894	7.19%	1.813%
20	9.379	2561	2578	2590	rVV	9053570	18055599	4.48%	1.131%
21	9.440	2590	2597	2623	rVB	3908284	6281541	1.56%	0.393%
22	9.562	2624	2635	2652	rBV6	265268	562825	0.14%	0.035%
23	9.717	2669	2683	2691	rBV5	716834	1498843	0.37%	0.094%
24	9.788	2691	2705	2725	rVV3	16629341	36779634	9.14%	2.303%
25	9.948	2737	2755	2765	rBV3	2058406	3984932	0.99%	0.250%
26	10.042	2775	2784	2792	rBV4	1550985	2756780	0.68%	0.173%
27	10.087	2792	2798	2810	rVB	1324465	2200459	0.55%	0.138%
28	10.164	2812	2822	2831	rBV3	655754	1389716	0.35%	0.087%
29	10.254	2844	2850	2858	rVB3	607140	864962	0.21%	0.054%
30	10.318	2858	2870	2876	rBV2	1323567	2463110	0.61%	0.154%
31	10.447	2897	2910	2917	rBV2	2062134	4188007	1.04%	0.262%
32	10.488	2918	2923	2941	rVB5	1857124	3547852	0.88%	0.222%
33	10.588	2945	2954	2962	rBV	1904241	3029485	0.75%	0.190%
34	10.707	2976	2991	2999	rBV	6989173	13860859	3.44%	0.868%

LSC Area Percent Report

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Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

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\SOMULM042719WMA.M
Title : VOC Analysis

35	10.775	2999	3012	3017	rVV2	8824644	16856206	4.19%	1.056%
36	10.813	3017	3024	3034	rVB	11077362	16762083	4.16%	1.050%
37	10.974	3065	3074	3077	rBV2	4136413	6019021	1.50%	0.377%
38	11.067	3096	3103	3110	rBV4	572357	807182	0.20%	0.051%
39	11.151	3110	3129	3140	rBV	27445271	48845666	12.13%	3.059%
40	11.218	3140	3150	3159	rVV	29407011	44643119	11.09%	2.796%
41	11.267	3159	3165	3177	rVB	10452675	15012470	3.73%	0.940%
42	11.331	3179	3185	3195	rVB6	1628541	2863894	0.71%	0.179%
43	11.398	3196	3206	3213	rBV2	4430183	7679359	1.91%	0.481%
44	11.482	3225	3232	3241	rBV2	2371855	3631128	0.90%	0.227%
45	11.530	3242	3247	3251	rVV3	783804	920544	0.23%	0.058%
46	11.572	3251	3260	3268	rVV	11709735	17528449	4.35%	1.098%
47	11.627	3269	3277	3285	rVB2	3347867	5538207	1.38%	0.347%
48	11.701	3295	3300	3310	rVB6	1365990	1925251	0.48%	0.121%
49	11.768	3311	3321	3329	rBV3	5589794	10709087	2.66%	0.671%
50	11.810	3329	3334	3341	rVV	3881419	5700260	1.42%	0.357%
51	11.871	3341	3353	3368	rVB8	8655509	21353390	5.30%	1.337%
52	11.987	3376	3389	3397	rBV2	65596441	120174755	29.85%	7.526%
53	12.022	3397	3400	3408	rVB	14564634	16633864	4.13%	1.042%
54	12.148	3431	3439	3442	rBV	3155180	4441986	1.10%	0.278%
55	12.177	3443	3448	3456	rVV4	5717037	8048011	2.00%	0.504%
56	12.250	3456	3471	3478	rVV2	4914122	10625990	2.64%	0.665%
57	12.305	3480	3488	3497	rVB	3641321	6470975	1.61%	0.405%
58	12.357	3497	3504	3509	rBV2	3600940	5268682	1.31%	0.330%
59	12.427	3518	3526	3536	rVB	12355638	20537765	5.10%	1.286%
60	12.488	3536	3545	3548	rBV5	4664236	7012779	1.74%	0.439%
61	12.611	3574	3583	3588	rBV	5875745	9365849	2.33%	0.587%
62	12.646	3589	3594	3603	rVB2	6225301	9132808	2.27%	0.572%
63	12.707	3603	3613	3629	rBV4	13860397	31878486	7.92%	1.996%
64	12.823	3642	3649	3662	rBV4	8737300	13489308	3.35%	0.845%
65	12.964	3685	3693	3707	rVB	6522323	10041253	2.49%	0.629%
66	13.035	3708	3715	3723	rBV3	2965233	4418473	1.10%	0.277%
67	13.086	3725	3731	3732	rVV2	1700316	1697617	0.42%	0.106%
68	13.125	3733	3743	3753	rVV3	36109974	63102574	15.67%	3.952%
69	13.186	3753	3762	3773	rVB	41864547	66118198	16.42%	4.140%
70	13.292	3784	3795	3814	rBV2	55041718	98828749	24.55%	6.189%
71	13.389	3816	3825	3838	rVB3	5269362	13661867	3.39%	0.856%

LSC Area Percent Report

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Instrument : MSVOA_U
ClientSampleId : GAJ68

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Title : VOC Analysis

72	13.459	3839	3847	3855	rBV	4845300	7482146	1.86%	0.469%
73	13.514	3856	3864	3871	rBV3	6567236	11010268	2.73%	0.689%
74	13.627	3891	3899	3913	rVB2	5730215	11679878	2.90%	0.731%
75	13.768	3924	3943	3961	rVB6	181772129	402598845	100.00%	25.212%
76	13.861	3966	3972	3986	rVB5	5454909	11808892	2.93%	0.739%
77	13.955	3995	4001	4010	rVB7	2958518	4584656	1.14%	0.287%
78	14.141	4051	4059	4066	rBV2	10420995	16047383	3.99%	1.005%
79	14.279	4098	4102	4109	rVB2	3632893	4441844	1.10%	0.278%
80	14.337	4110	4120	4130	rBV5	10345007	20176871	5.01%	1.264%
81	14.463	4153	4159	4174	rVB3	3887697	8203695	2.04%	0.514%
82	14.540	4177	4183	4192	rVB4	2969022	4993879	1.24%	0.313%
83	14.819	4264	4270	4276	rVB4	865134	1105515	0.27%	0.069%
84	14.881	4276	4289	4300	rBV2	72021760	121219894	30.11%	7.591%
85	15.061	4334	4345	4361	rVB	27006821	43609421	10.83%	2.731%
86	15.601	4508	4513	4524	rVB	543329	863482	0.21%	0.054%
87	15.659	4525	4531	4541	rVB5	313991	510788	0.13%	0.032%
88	15.794	4565	4573	4581	rBV	781063	1207522	0.30%	0.076%
89	15.906	4597	4608	4621	rBV	2568703	4478414	1.11%	0.280%
90	15.971	4622	4628	4641	rVV	574847	881510	0.22%	0.055%
91	16.054	4644	4654	4661	rVV	1932695	3093588	0.77%	0.194%
92	16.093	4661	4666	4683	rVB	1020794	1564424	0.39%	0.098%
93	16.186	4686	4695	4707	rVB	693875	1104121	0.27%	0.069%
94	16.279	4709	4724	4734	rBV2	552567	1206267	0.30%	0.076%
95	16.427	4763	4770	4781	rBV2	232247	352886	0.09%	0.022%
96	16.520	4789	4799	4816	rBV2	850380	1671113	0.42%	0.105%
97	16.813	4883	4890	4900	rVB	466619	670023	0.17%	0.042%
98	17.012	4946	4952	4976	rVB3	296084	724806	0.18%	0.045%
99	17.163	4991	4999	5008	rBV2	269325	439119	0.11%	0.027%
100	17.221	5010	5017	5029	rVB2	272410	457570	0.11%	0.029%

Sum of corrected areas: 1596883435

LSC Report - Integrated Chromatogram

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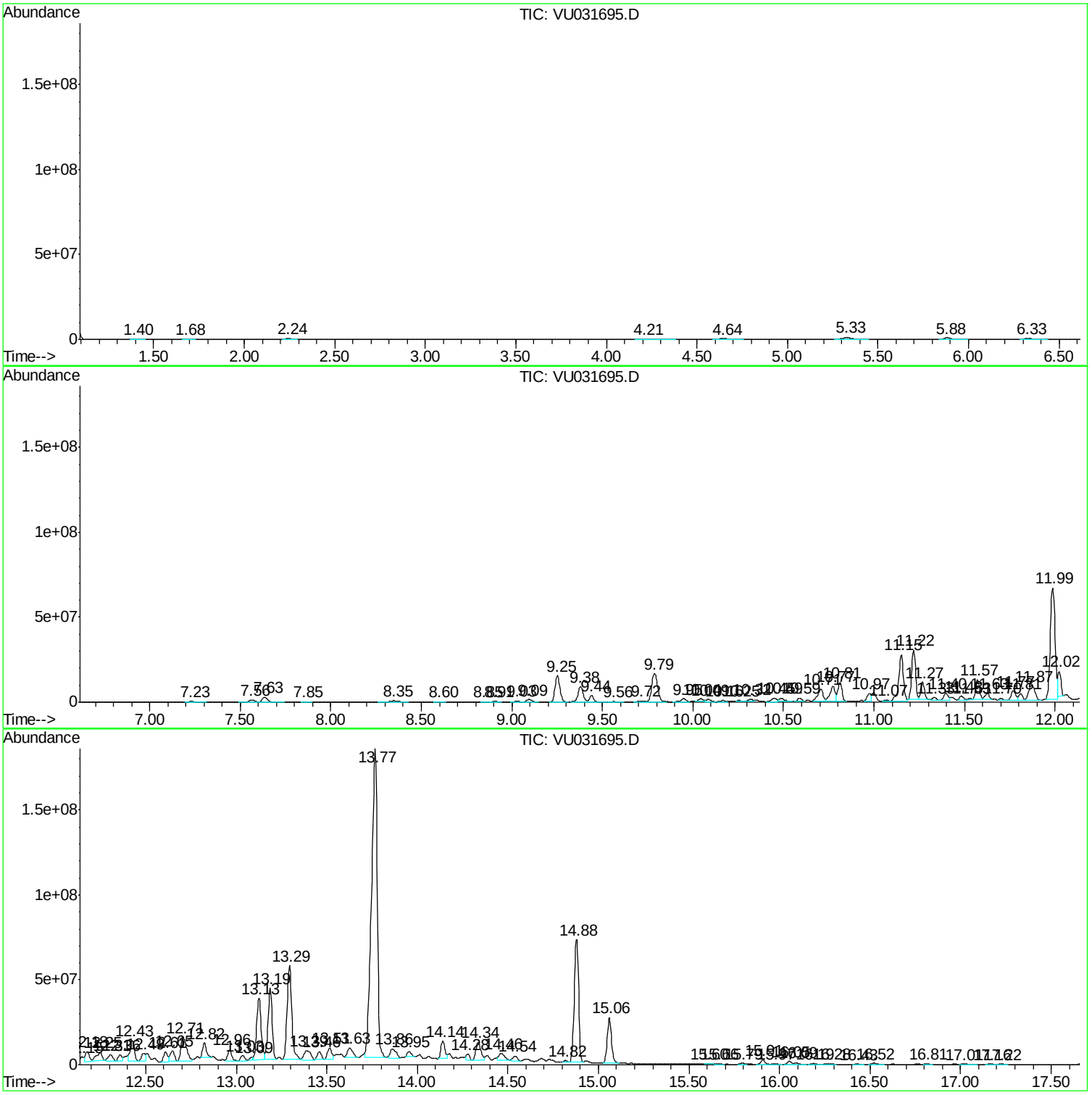
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
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Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

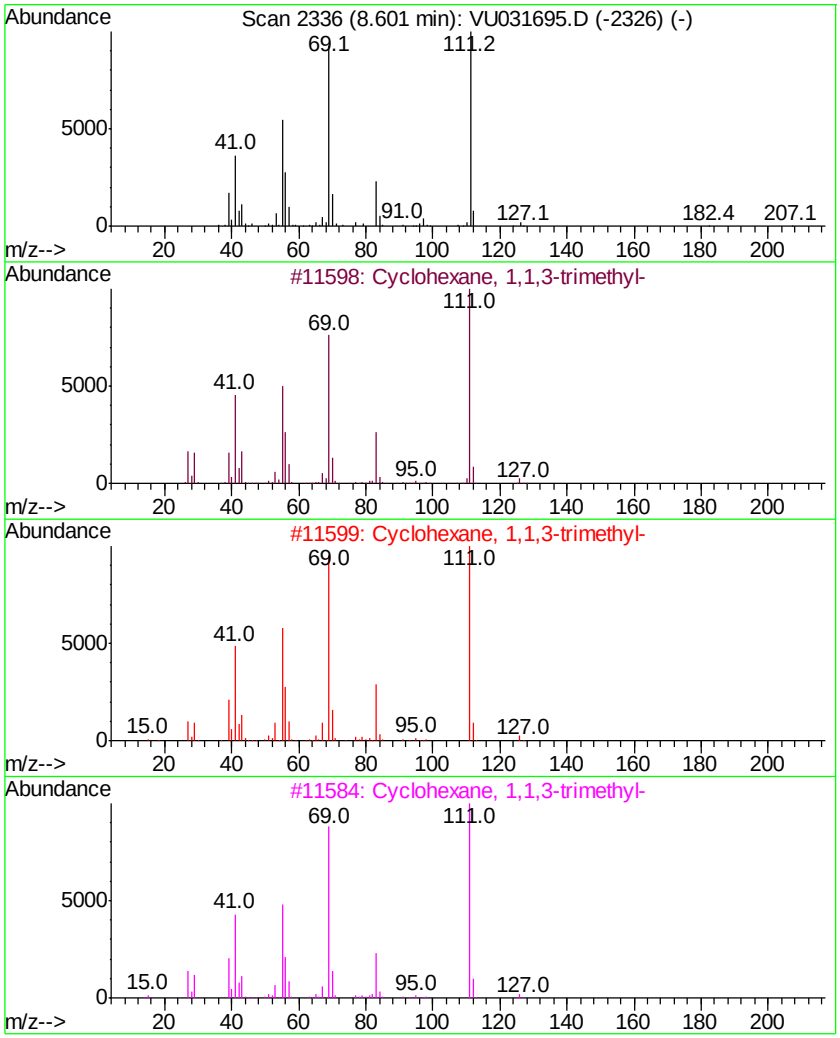
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

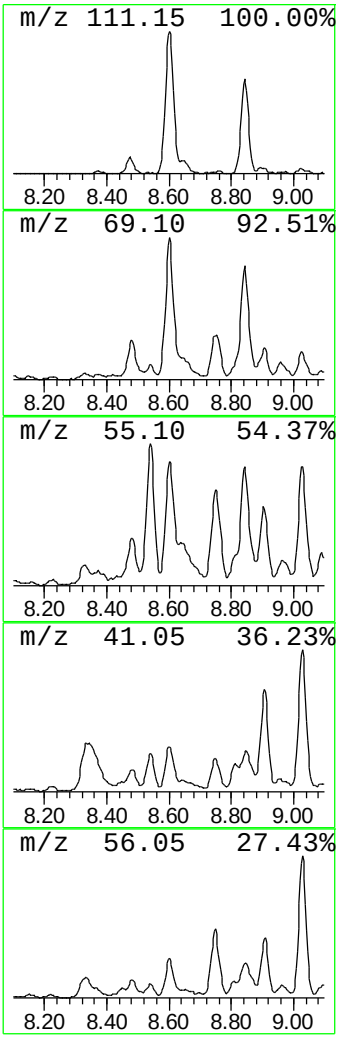
****

Peak Number 2 (DEL) Alkane: Cyclic8.60 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	6.82 ug/L	404614	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64





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Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

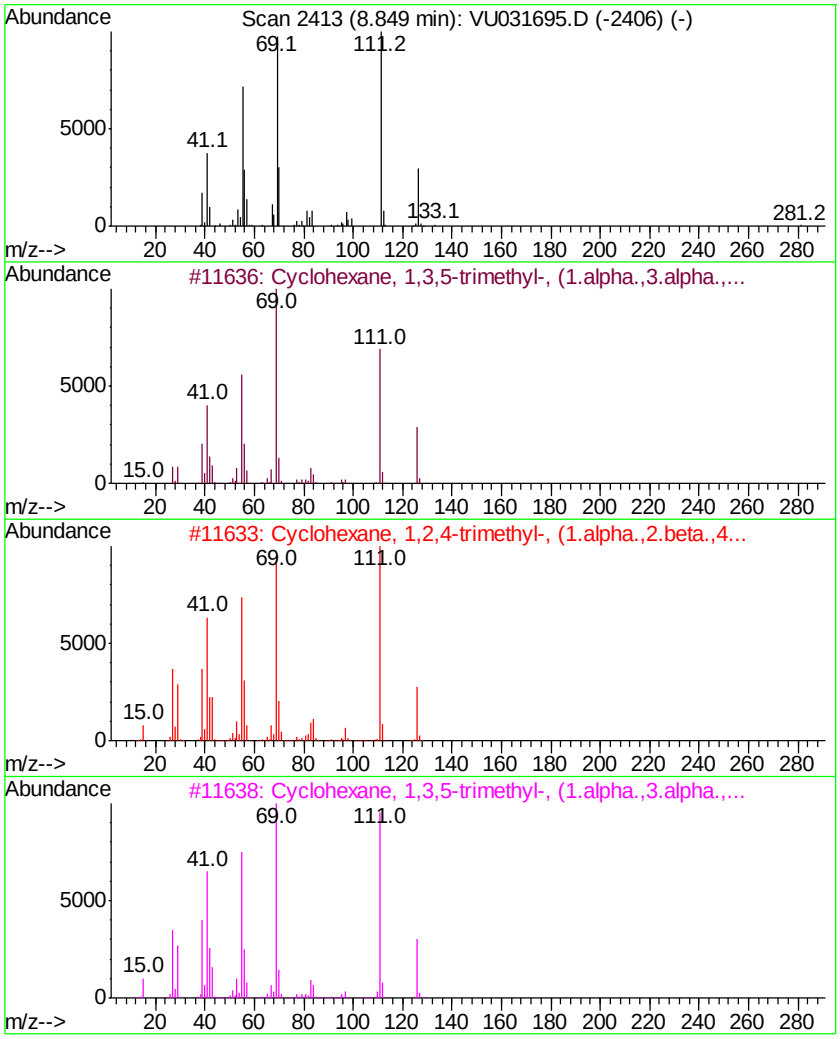
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

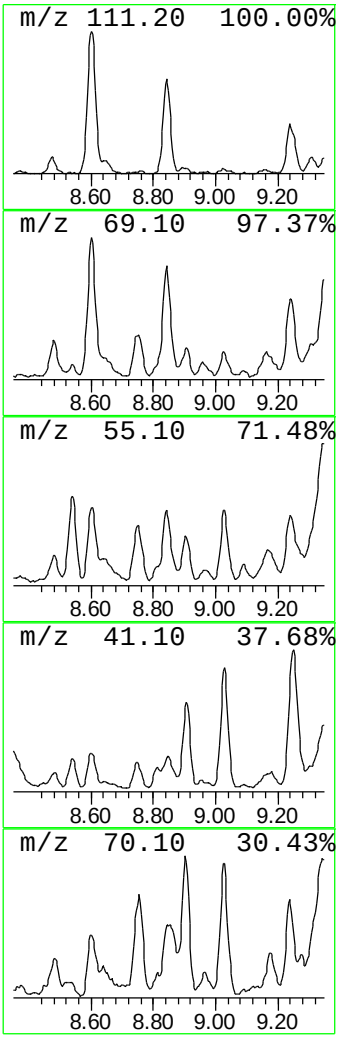
****

Peak Number 3 (DEL) Alkane: Cyclic8.85 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	6.56 ug/L	388943	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	86
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83





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Operator : JC/SP
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Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

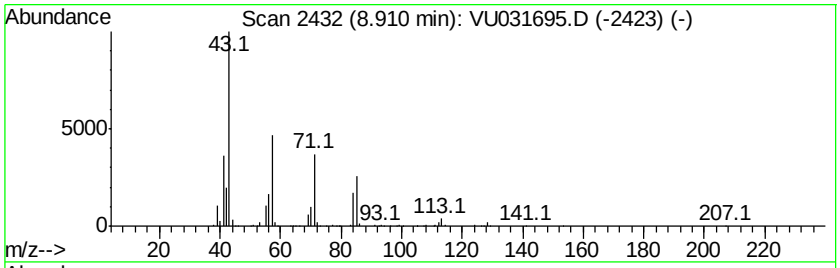
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

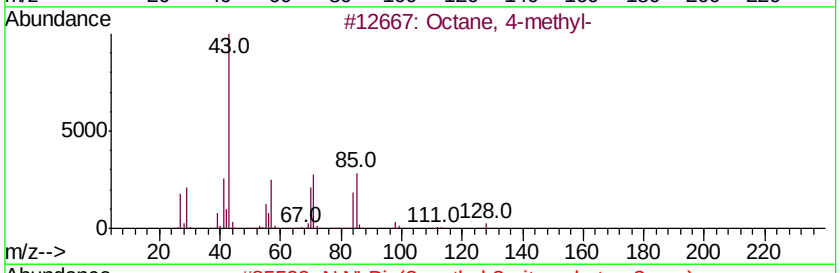
****

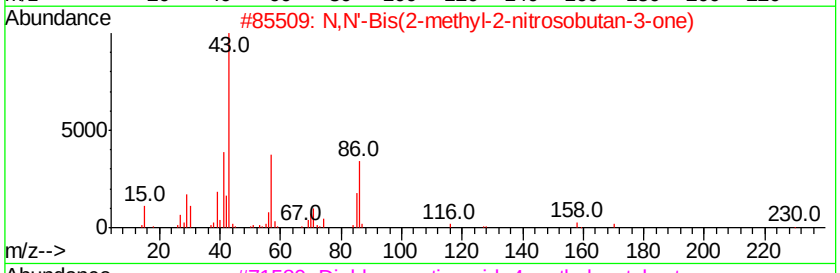
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 66

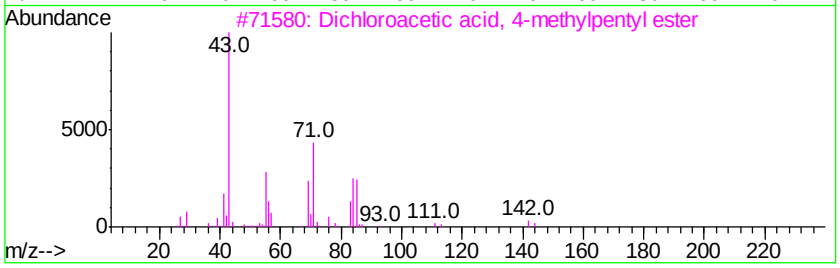
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	12.43 ug/L	736667	Chlorobenzene-d5	9.09

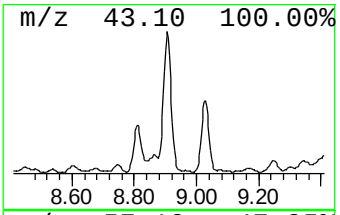
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	N,N'-Bis(2-methyl-2-nitrosobutan...	230	C10H18N2O4	034946-73-1	64
3	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	64
4	Octane	114	C8H18	000111-65-9	64
5	Octane, 2-methyl-	128	C9H20	003221-61-2	59

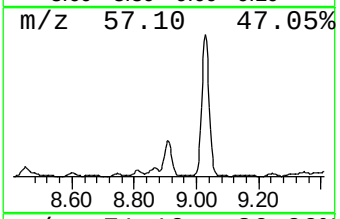


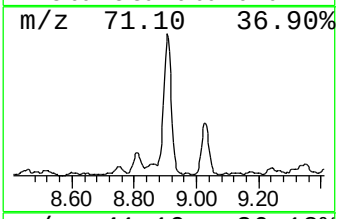


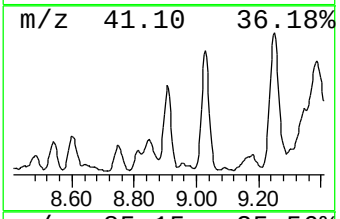


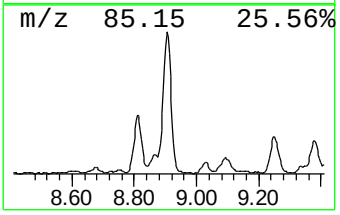












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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

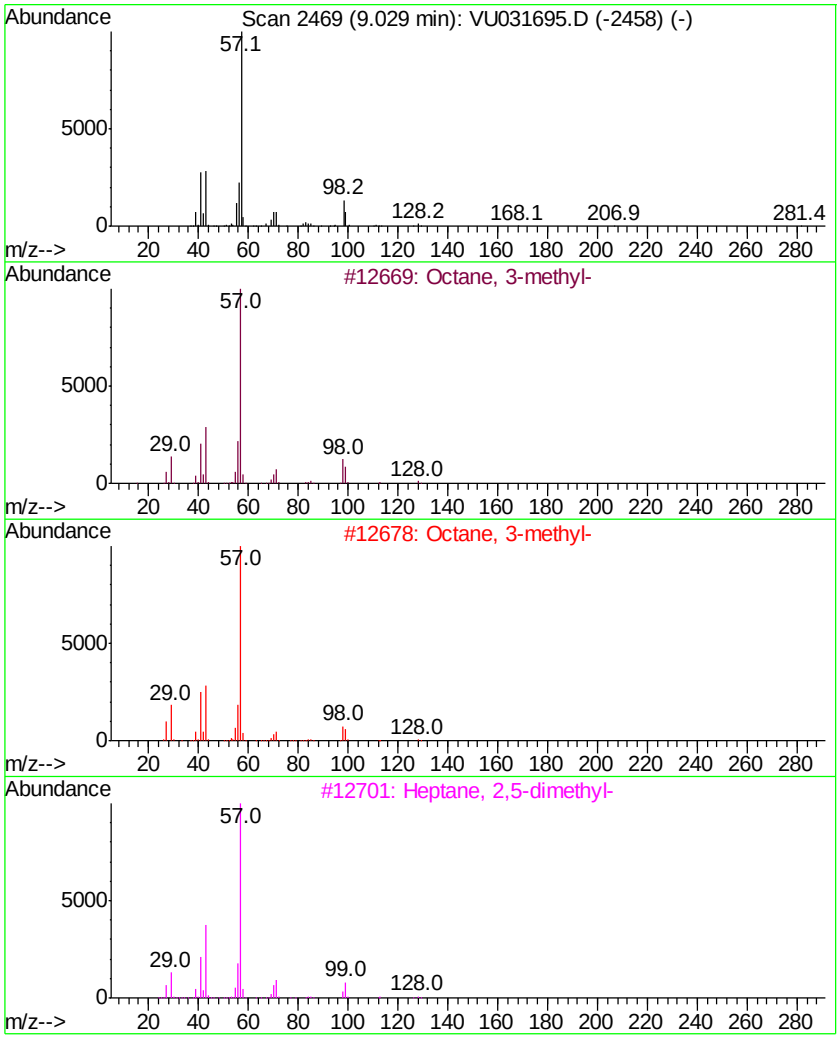
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

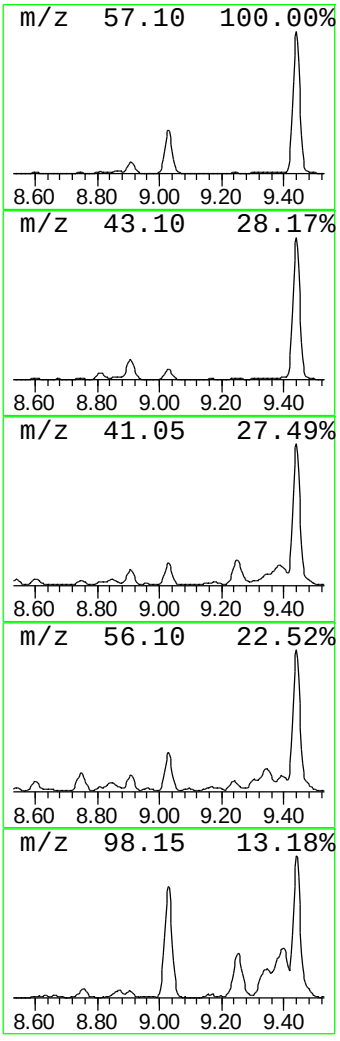
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	15.67 ug/L	928912	Chlorobenzene-d5	9.09

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	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
4	Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	59
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

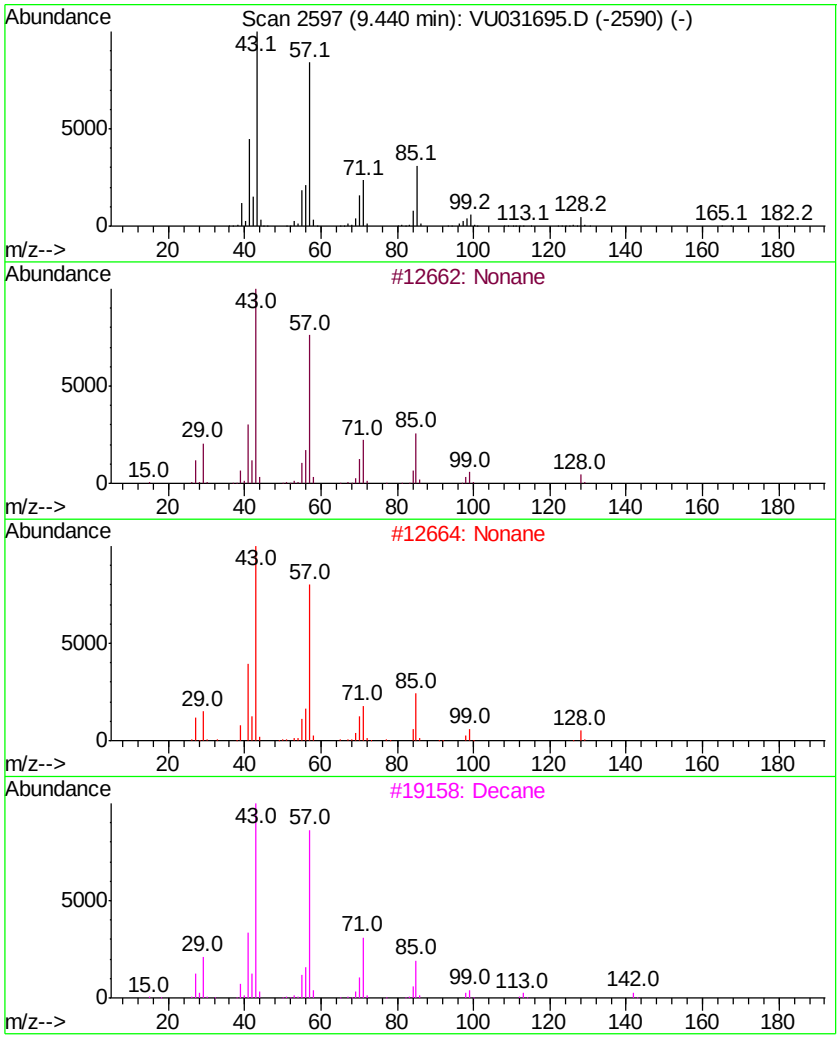
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

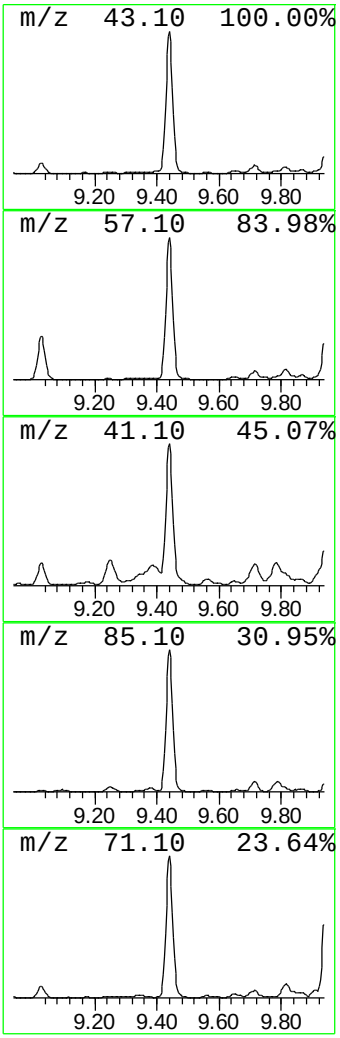
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	105.95 ug/L	6281540	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Nonane	128	C9H20	000111-84-2	83
3	Decane	142	C10H22	000124-18-5	64
4	Octane	114	C8H18	000111-65-9	59
5	Octane	114	C8H18	000111-65-9	59





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

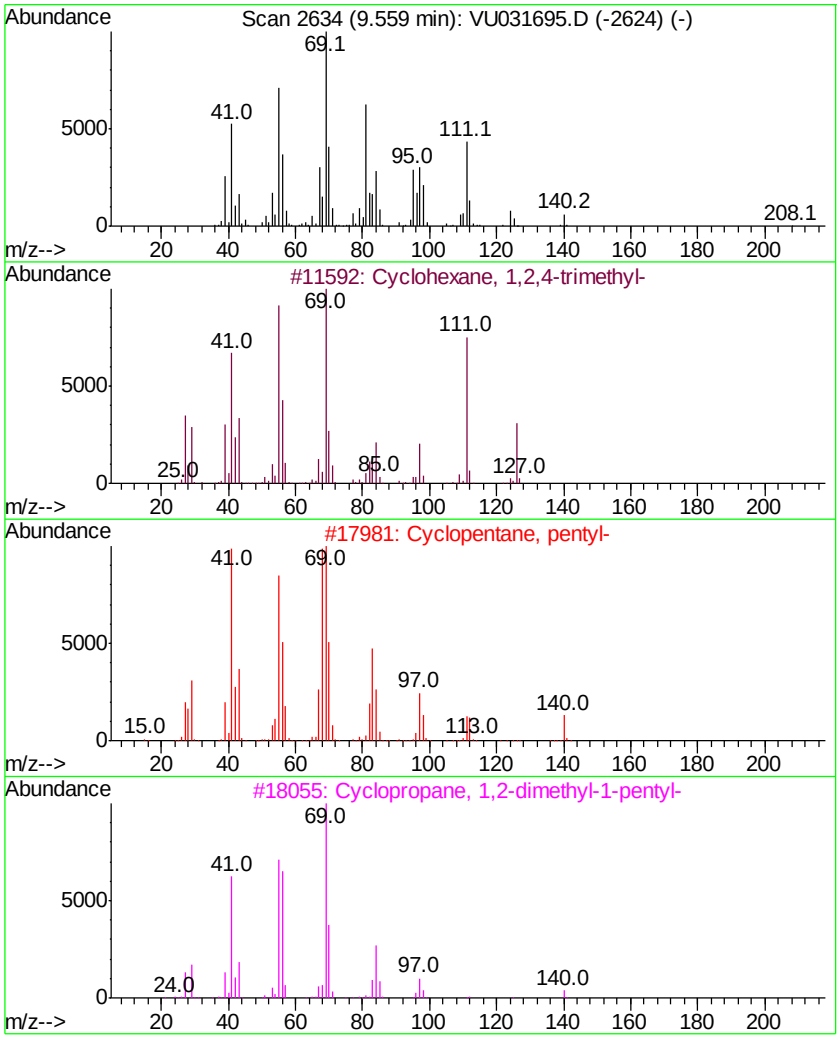
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

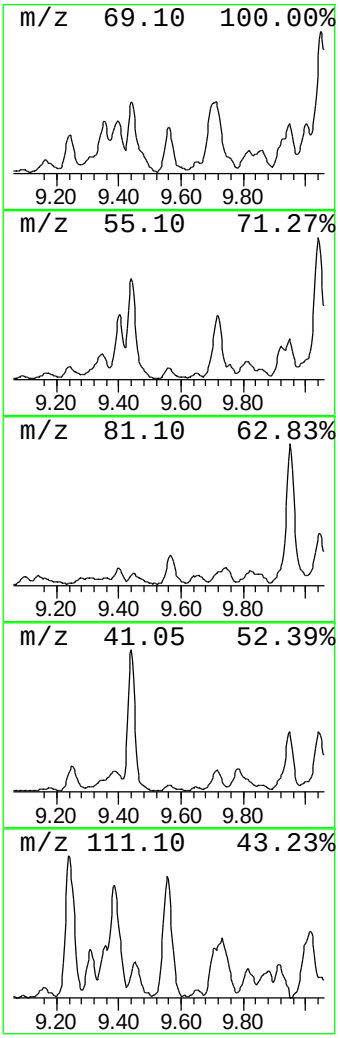
****

Peak Number 7 (DEL) Alkane: Cyclic9.56 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	9.49 ug/L	562825	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	52
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	52
3	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	45
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

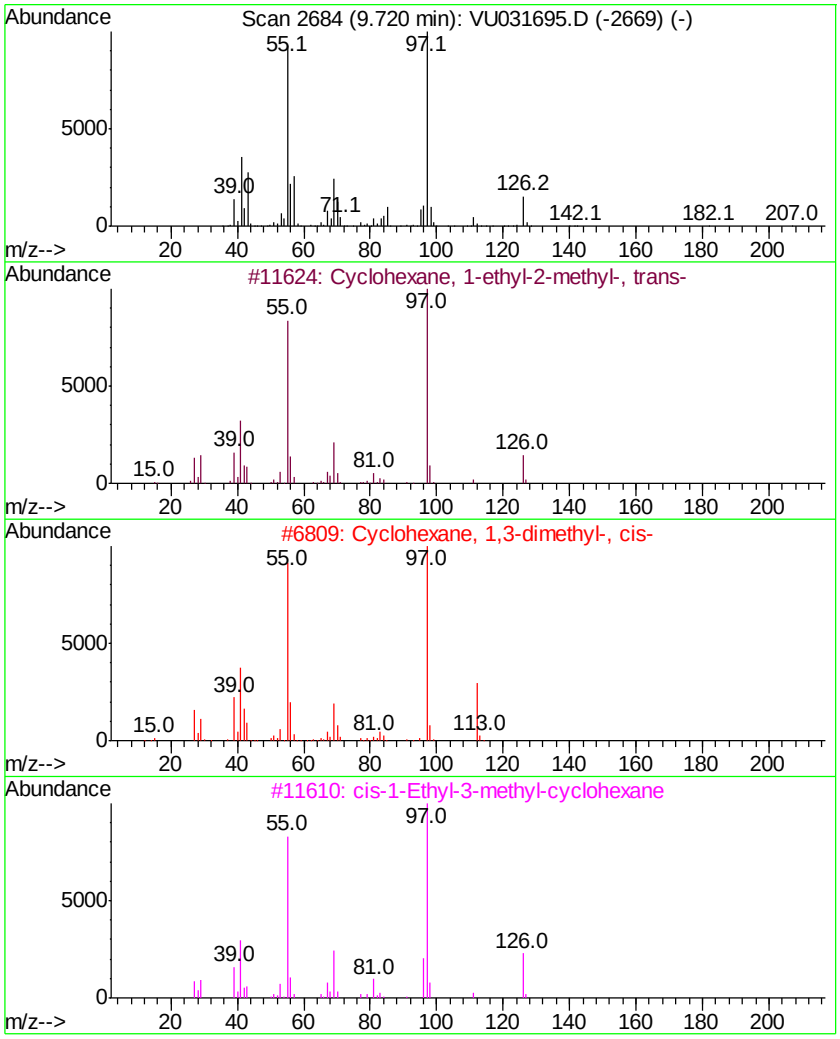
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

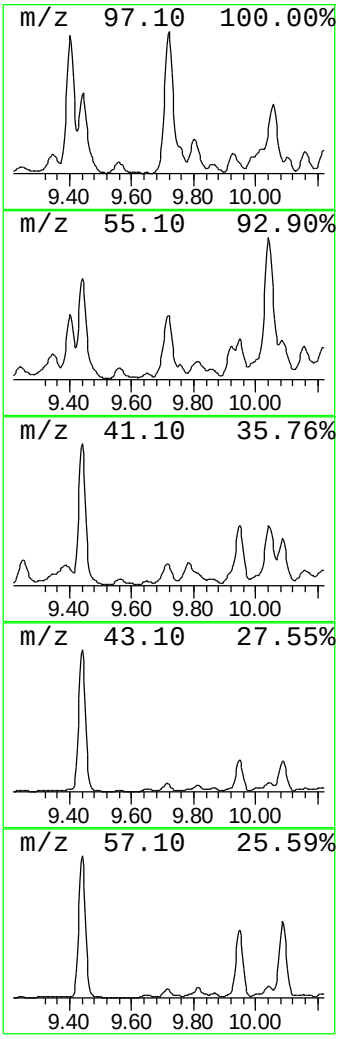
****

Peak Number 8 (DEL) Alkane: Cyclic9.72 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	25.28 ug/L	1498840	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64





Library Search Compound Report

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Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

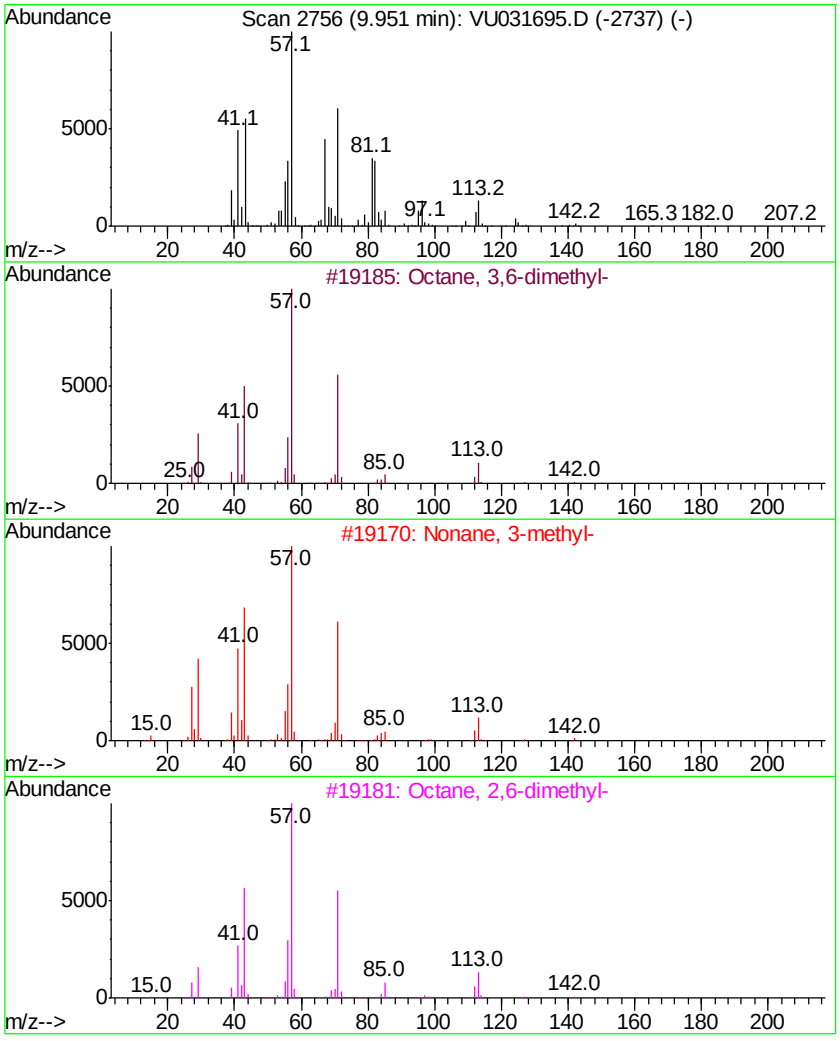
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

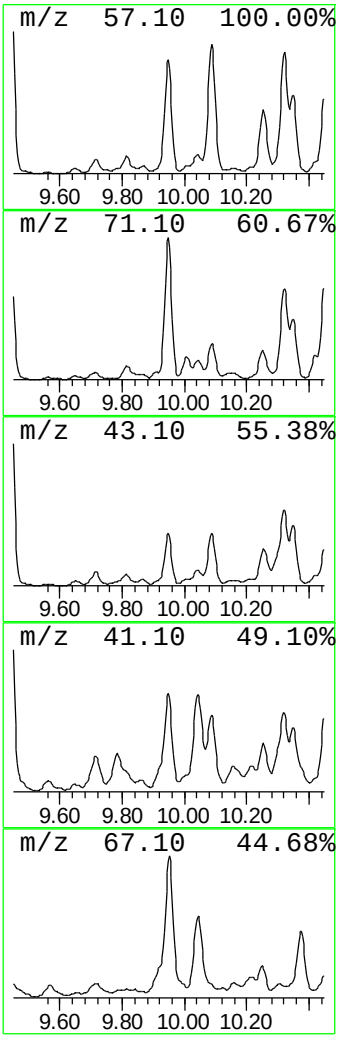
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	67.21 ug/L	3984930	Chlorobenzene-d5	9.09

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





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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Peak Number 10 (DEL) Alkane: Cyclic10.04 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	46.50 ug/L	2756780	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
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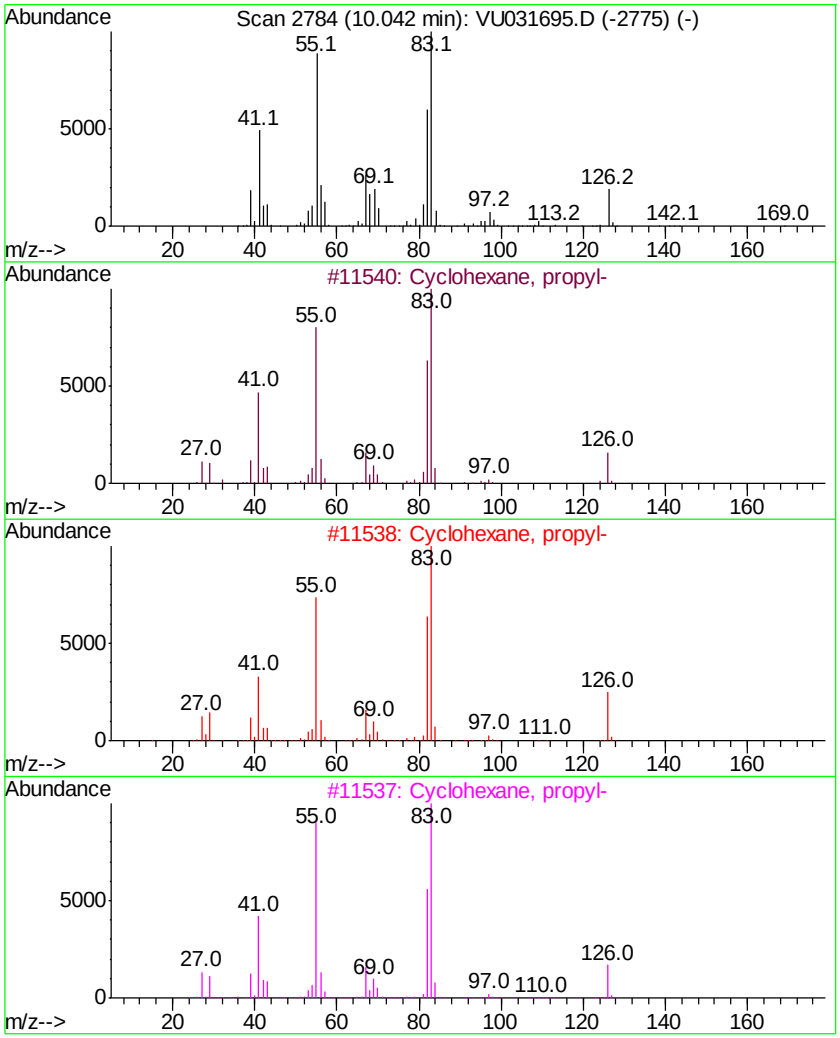
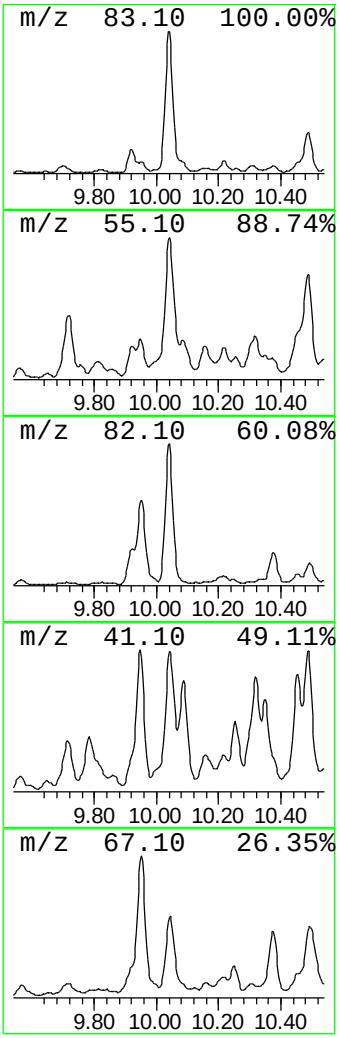
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





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Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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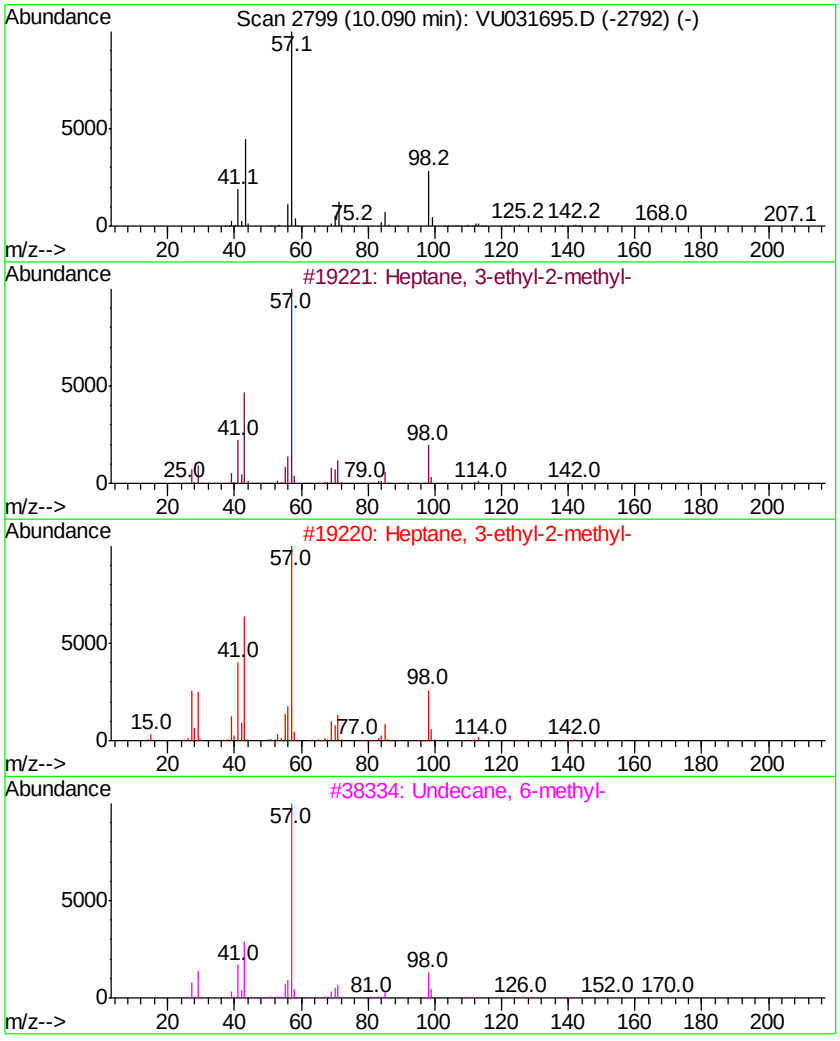
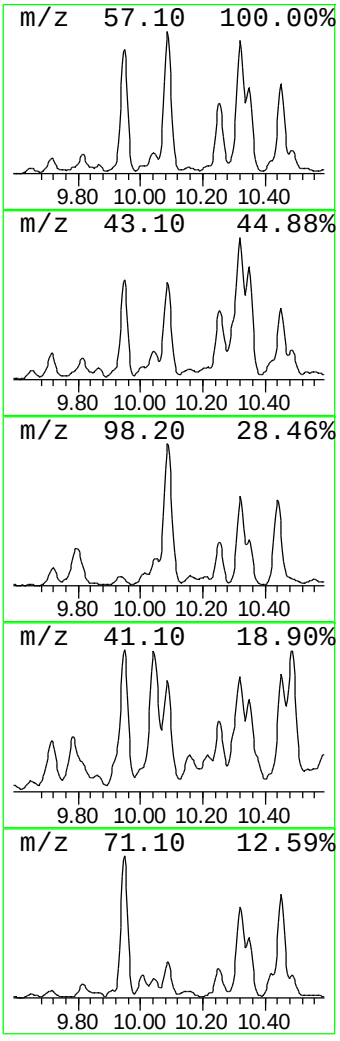
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	37.12 ug/L	2200460	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	74
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	53
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	50





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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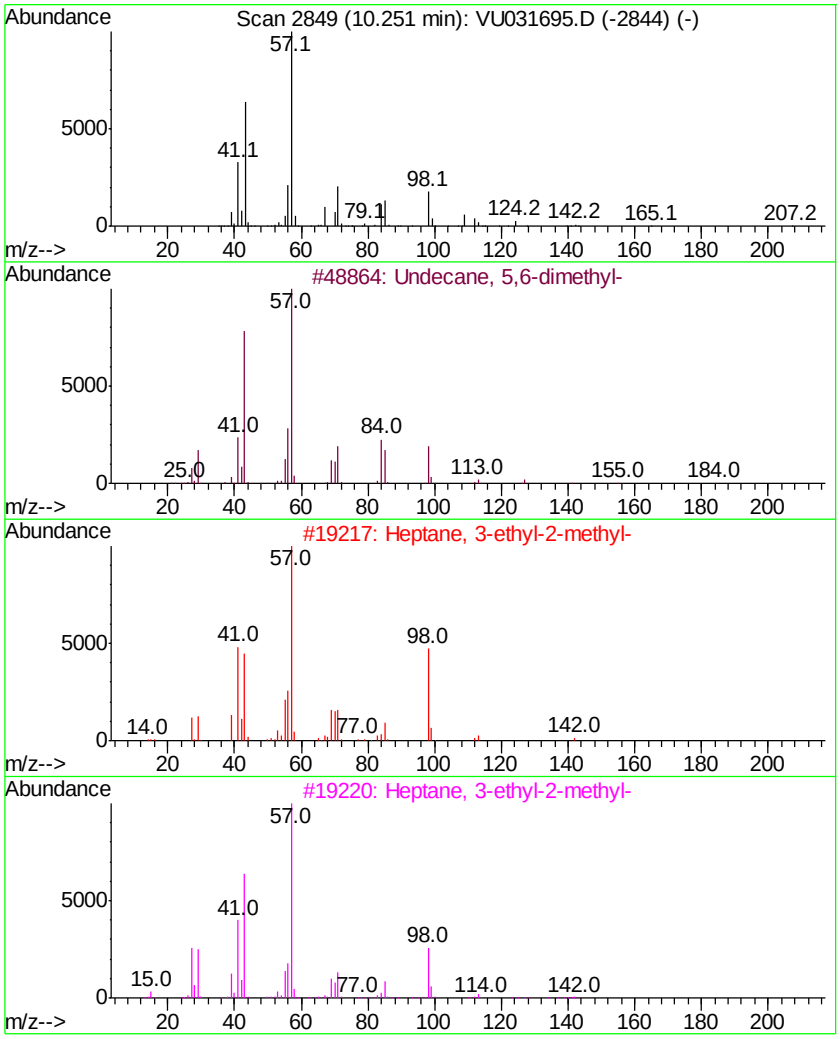
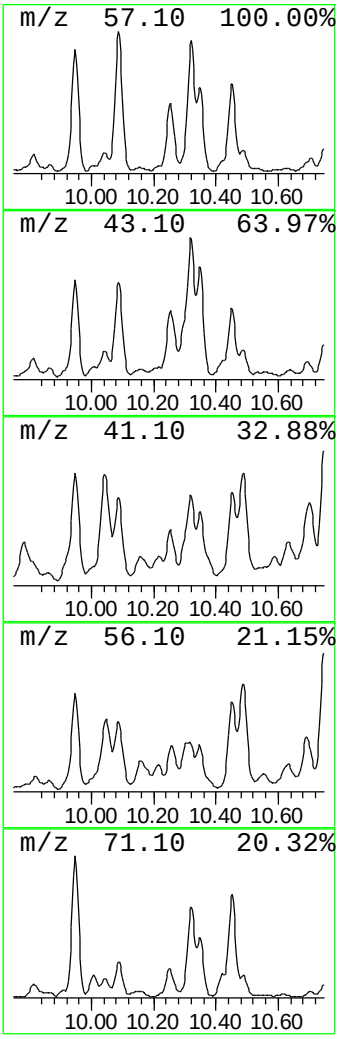
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	14.59 ug/L	864962	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	52
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
5	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	47





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Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

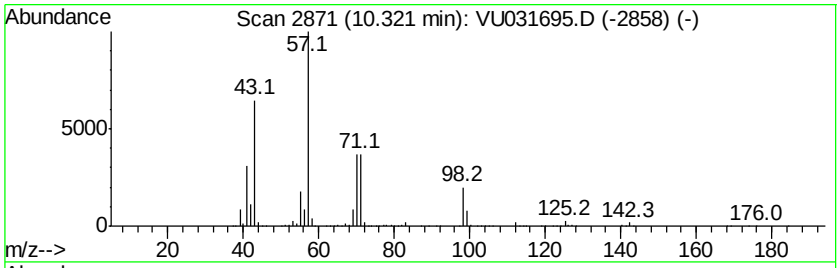
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

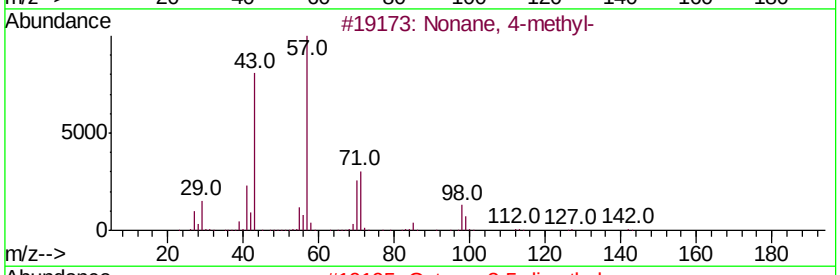
****

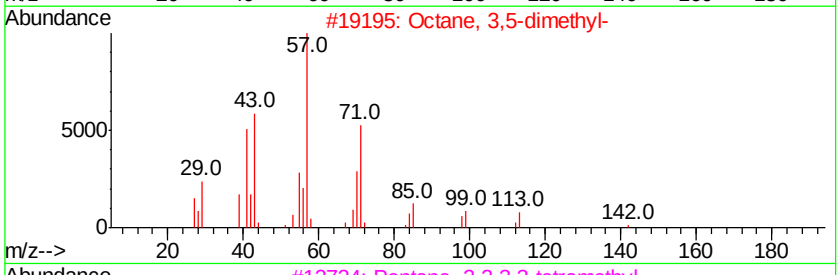
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 53

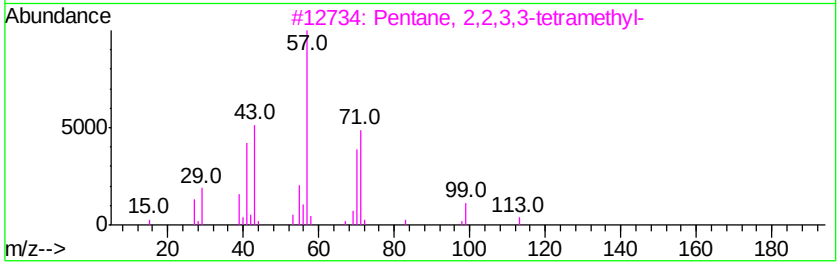
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	33.92 ug/L	2463110	1,4-Dichlorobenzene-d4	11.49

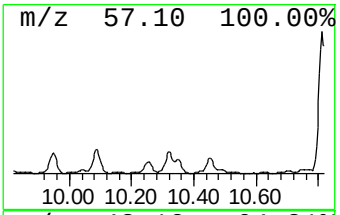
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	50
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50

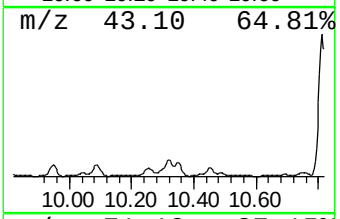


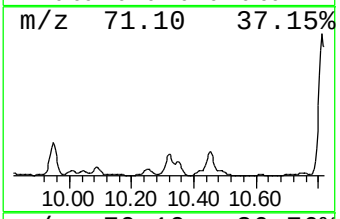


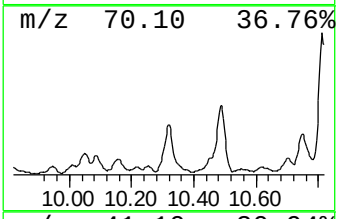


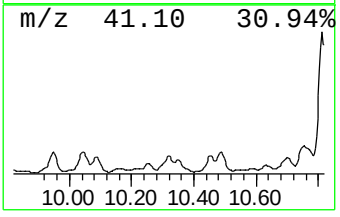












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

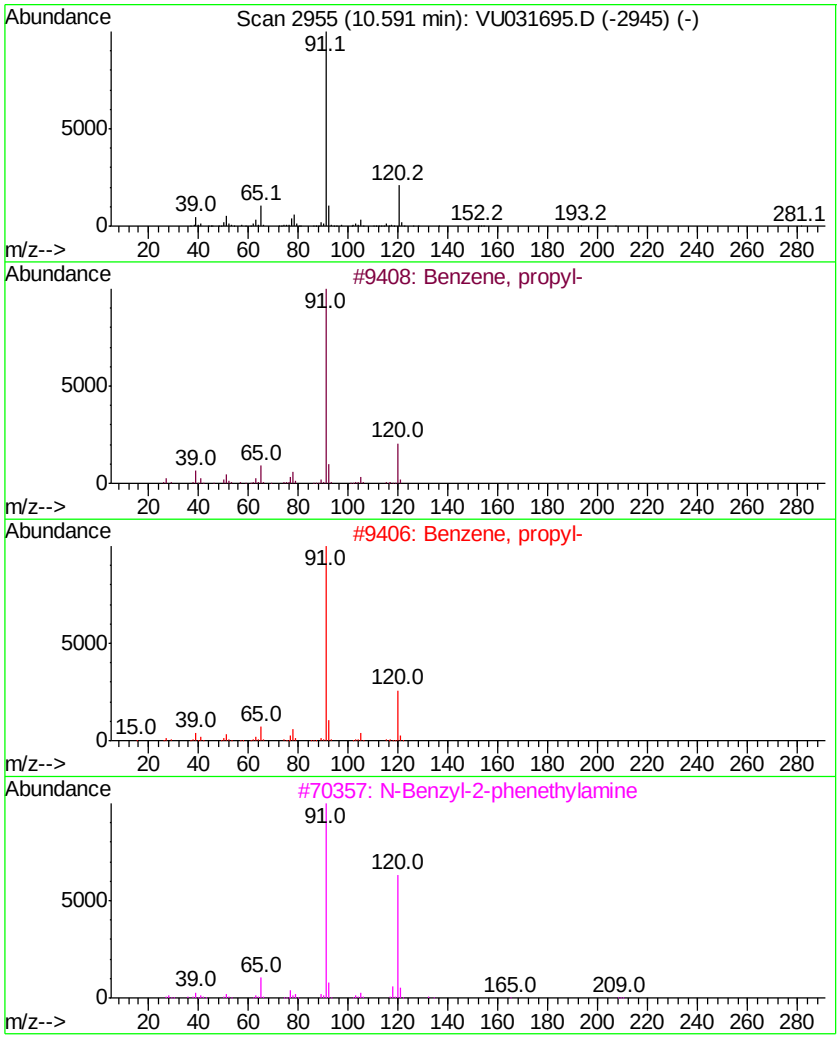
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

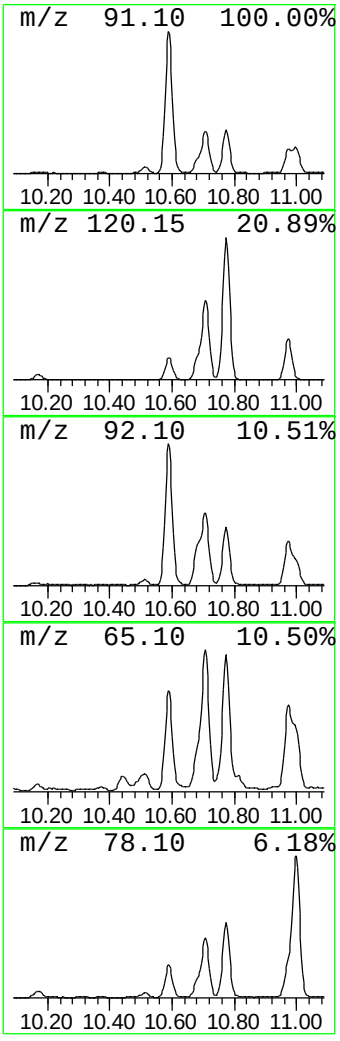
****

Peak Number 14 Benzene, propyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	41.72 ug/L	3029490	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

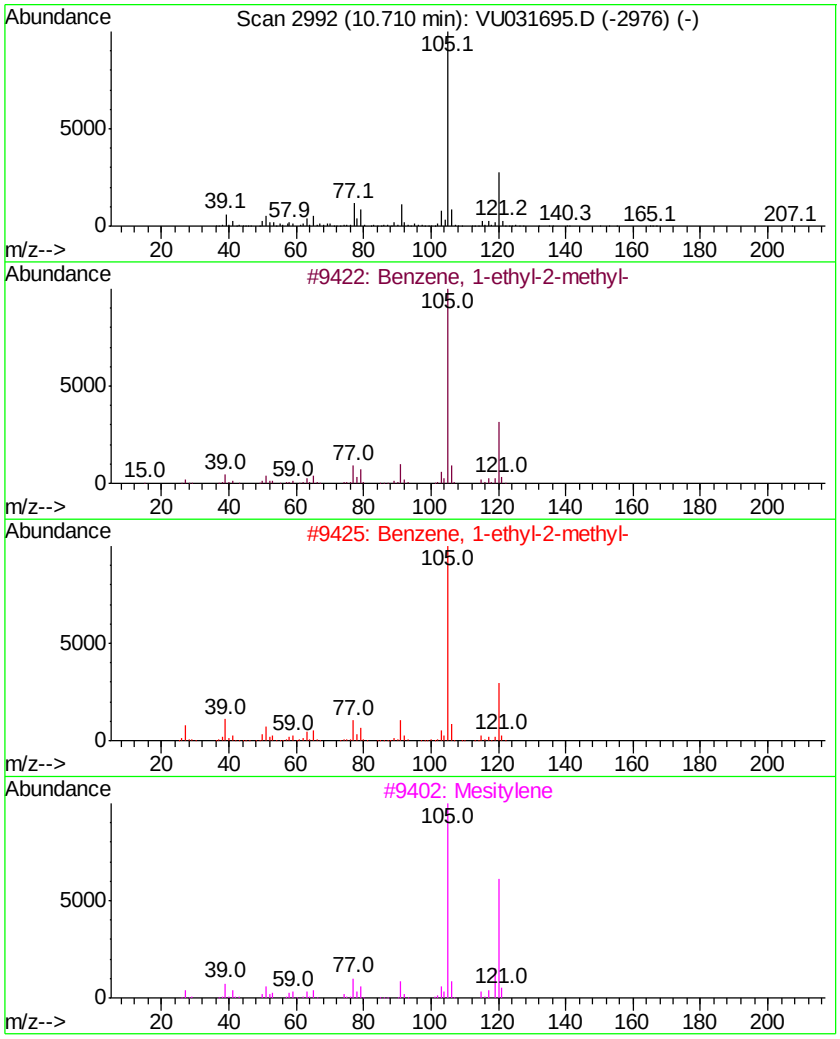
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

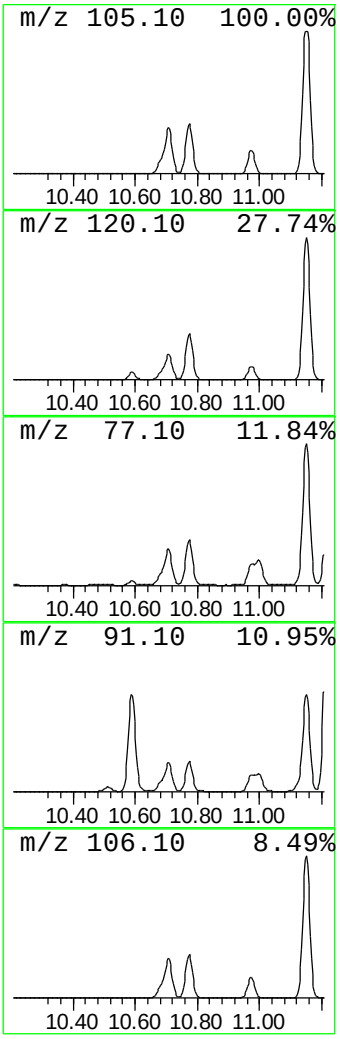
****

Peak Number 15 Benzene, 1-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	190.86 ug/L	13860900	1,4-Dichlorobenzene-d4	11.49

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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

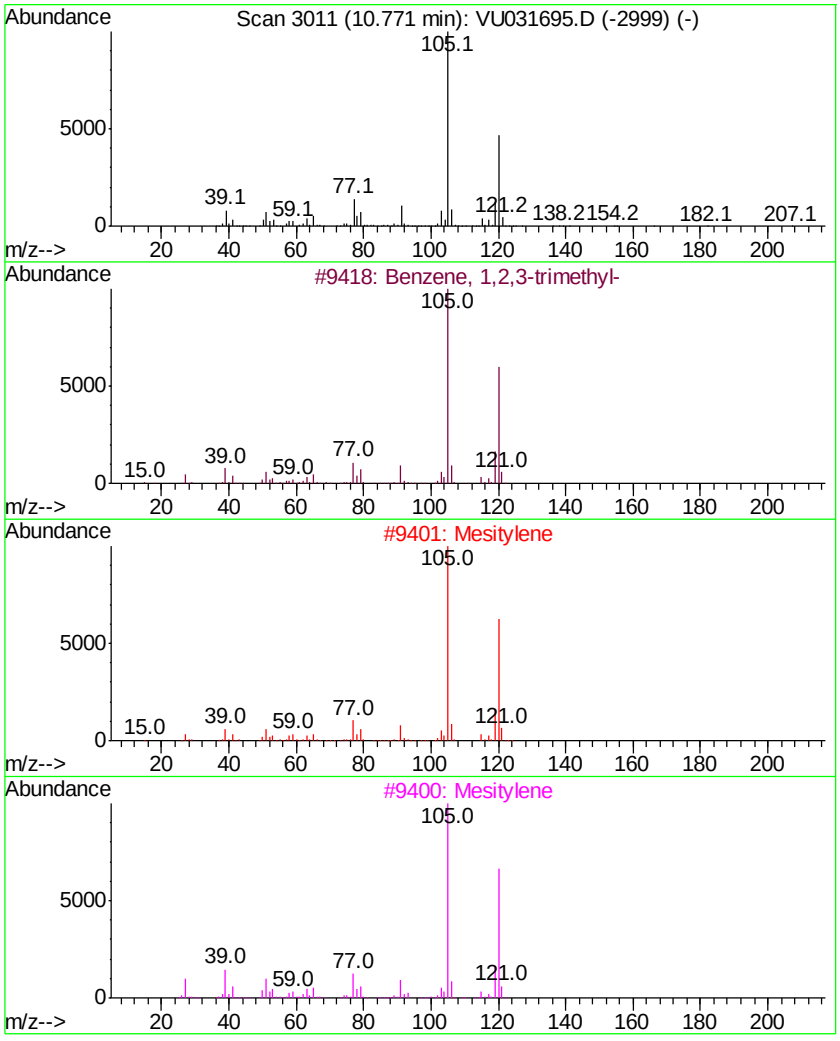
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

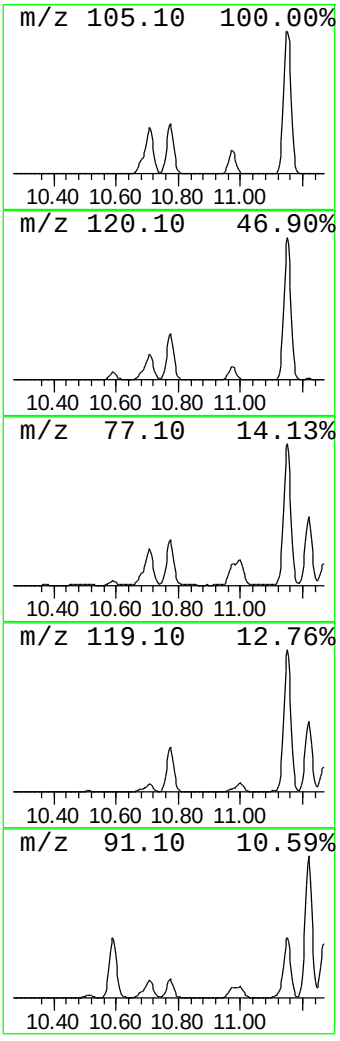
****

Peak Number 16 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	232.11 ug/L	16856200	1,4-Dichlorobenzene-d4	11.49

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





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

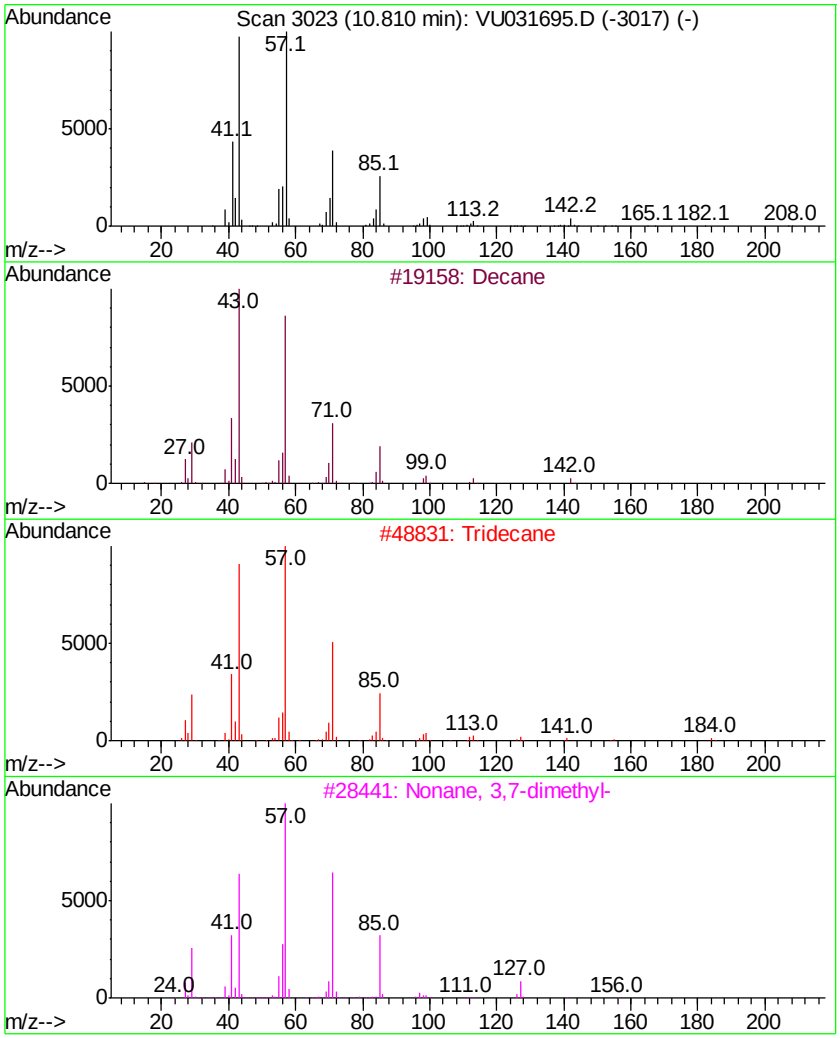
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

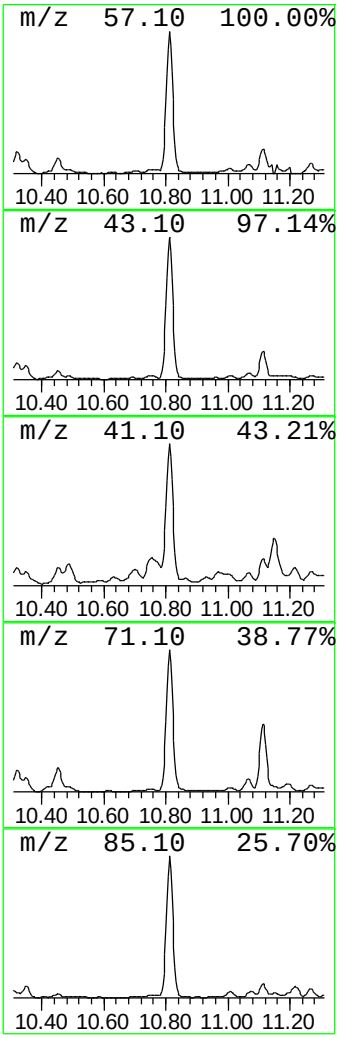
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	230.81 ug/L	16762100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Tridecane	184	C13H28	000629-50-5	64
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	59
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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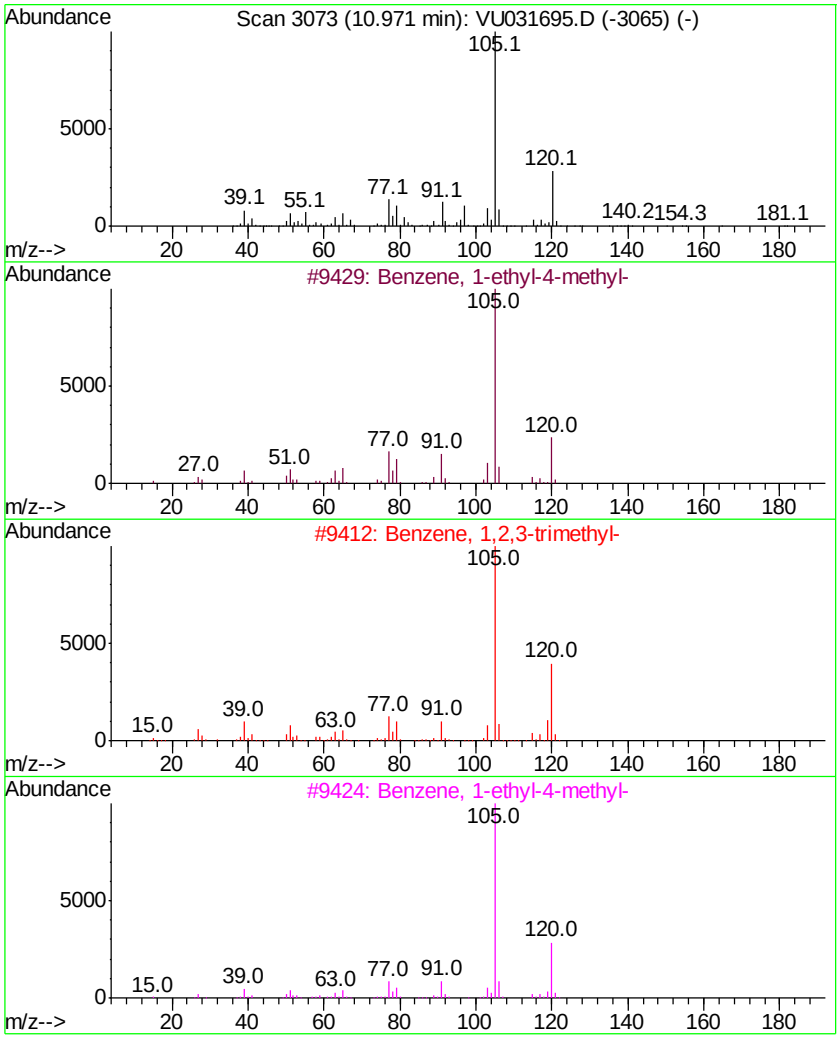
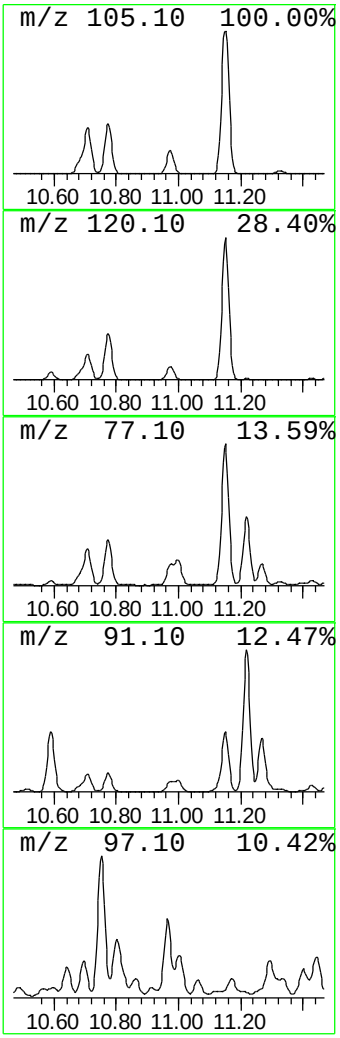
Peak Number 18 Benzene, 1-ethyl-4-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	82.88 ug/L	6019020	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
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Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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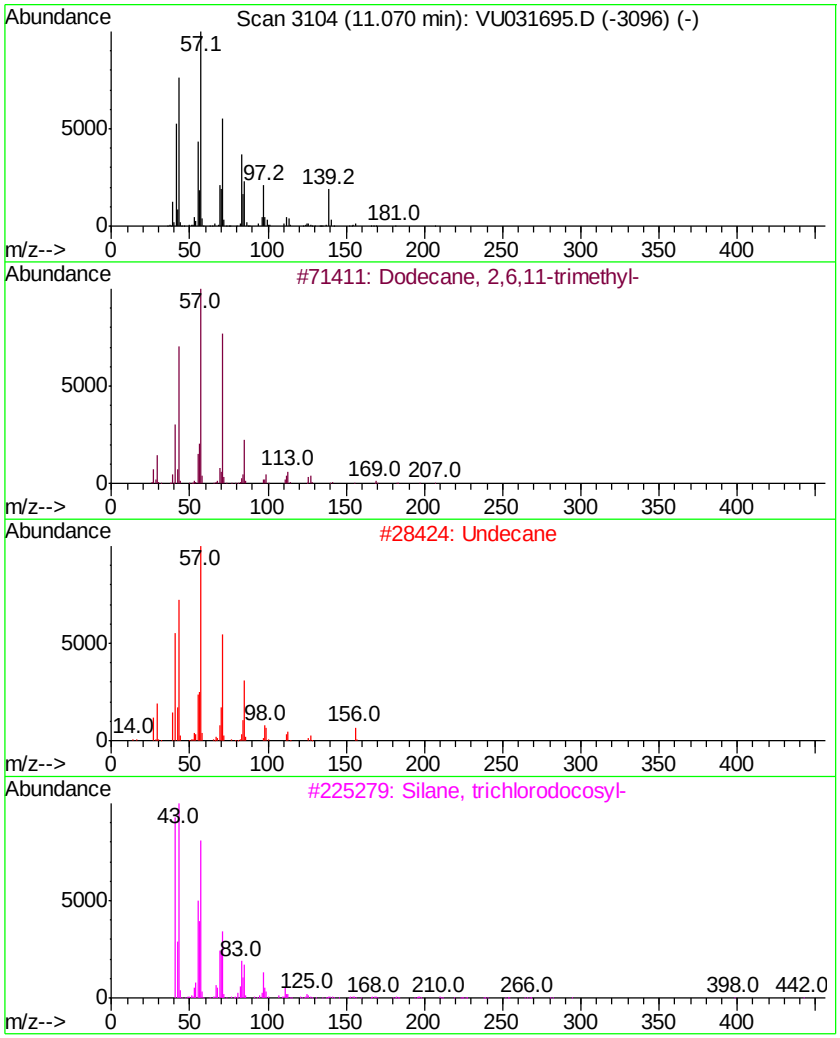
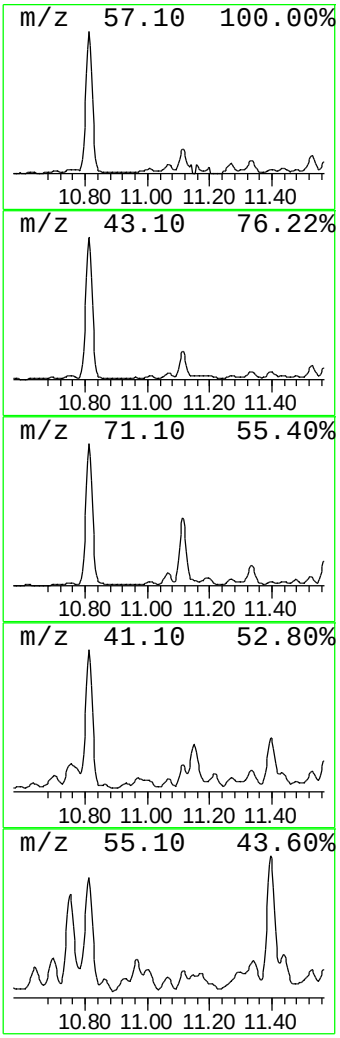
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	11.11 ug/L	807182	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50
2	Undecane	156	C11H24	001120-21-4	47
3	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	43
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	43
5	Allyl n-octyl ether	170	C11H22O	003295-97-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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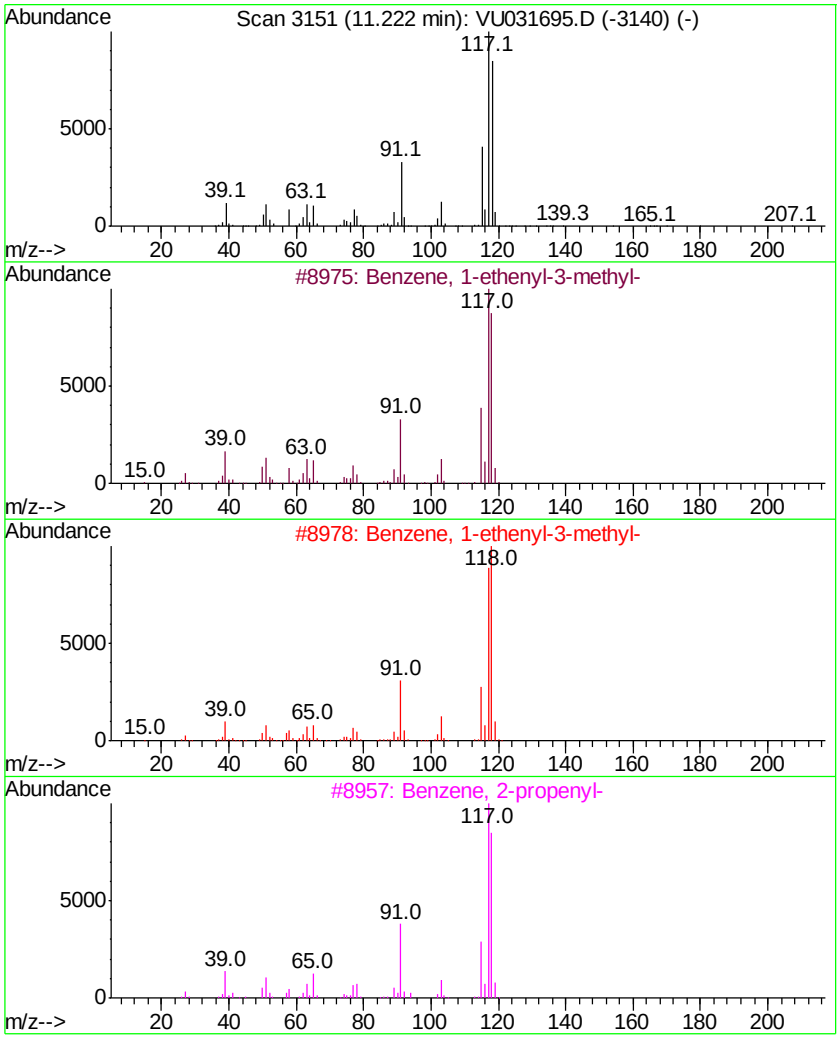
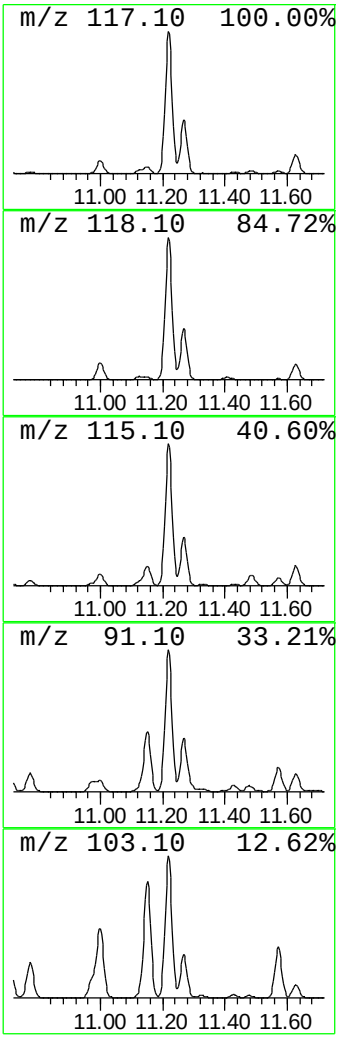
Peak Number 21 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	614.73 ug/L	44643100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





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Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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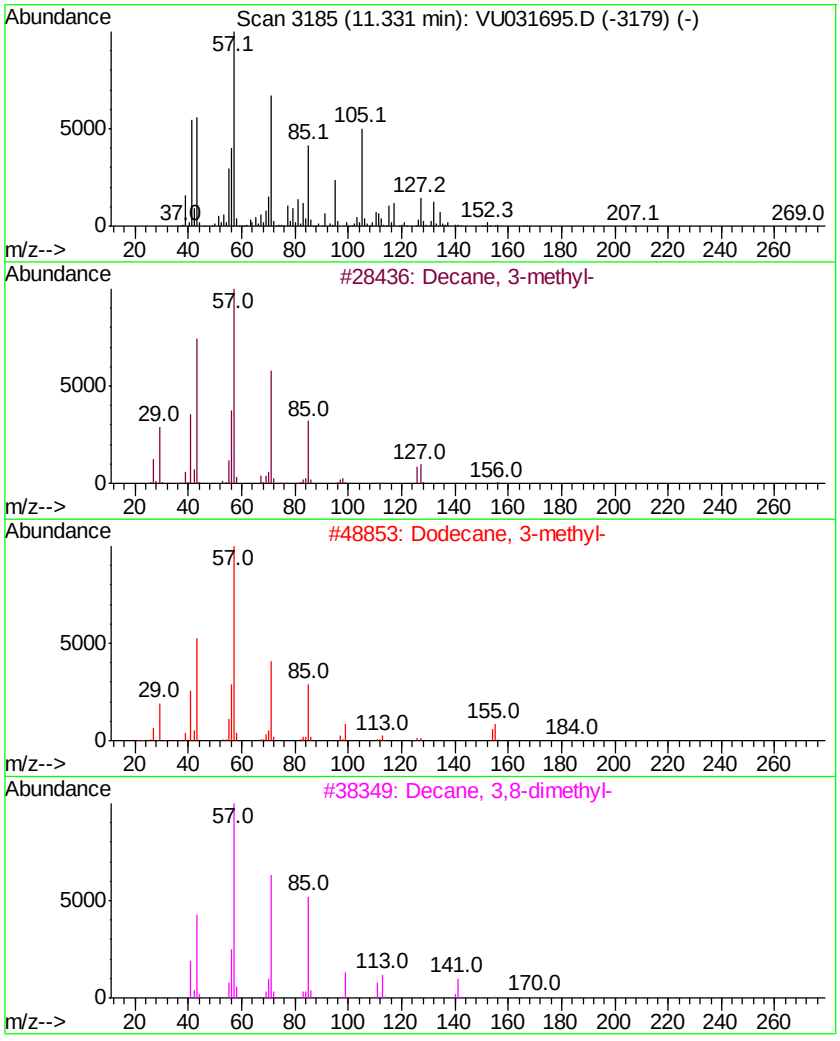
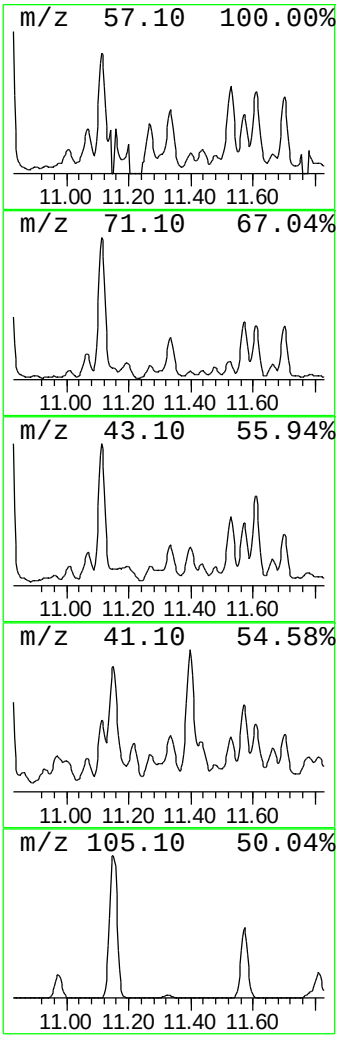
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	39.44 ug/L	2863890	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	58
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	47
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	43
4	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	43
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38





Library Search Compound Report

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Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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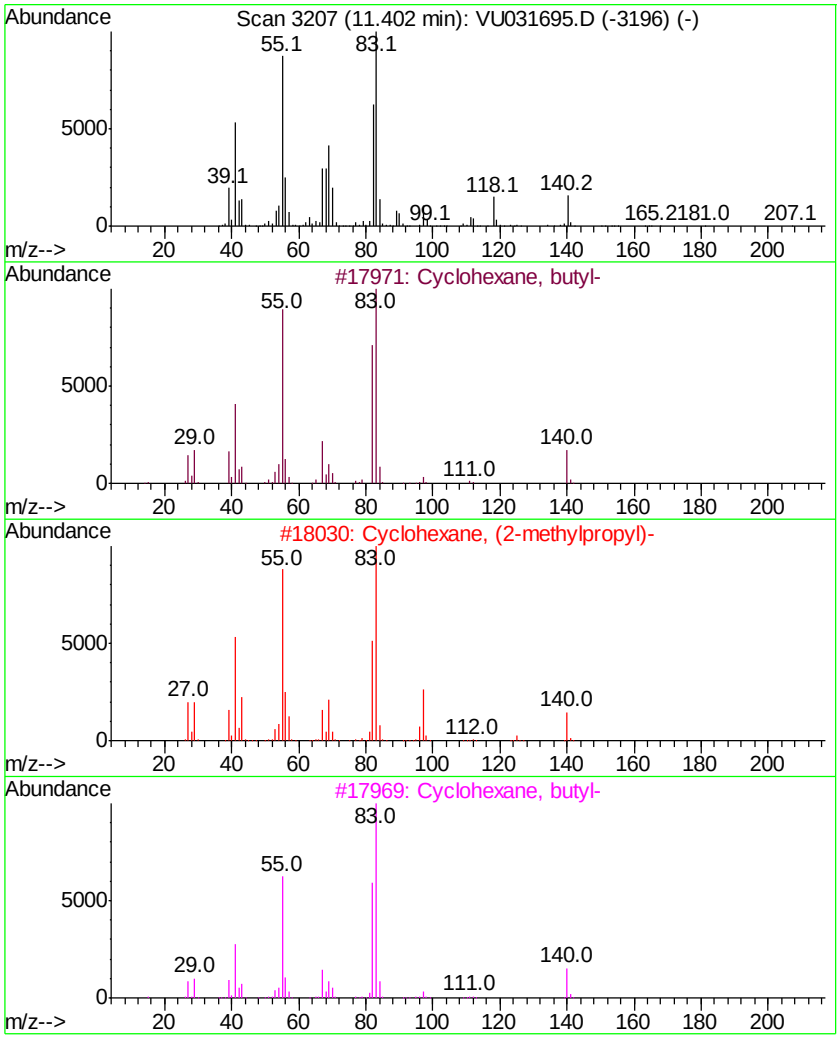
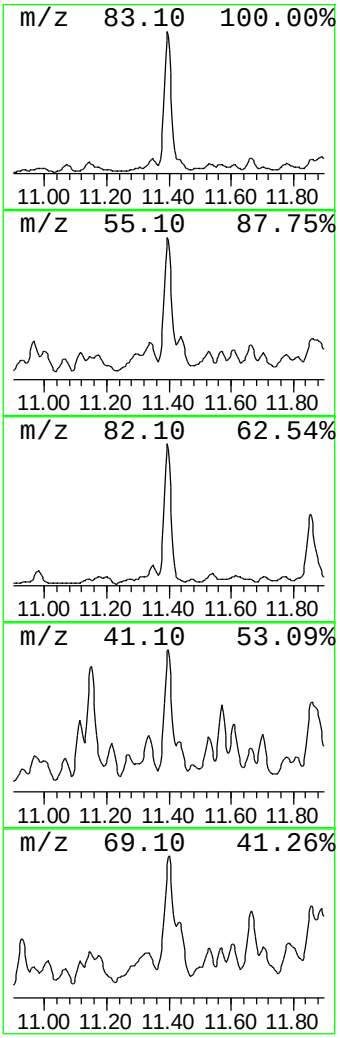
Peak Number 24 (DEL) Alkane: Cyclic11.40 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	105.74 ug/L	7679360	1,4-Dichlorobenzene-d4	11.49

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





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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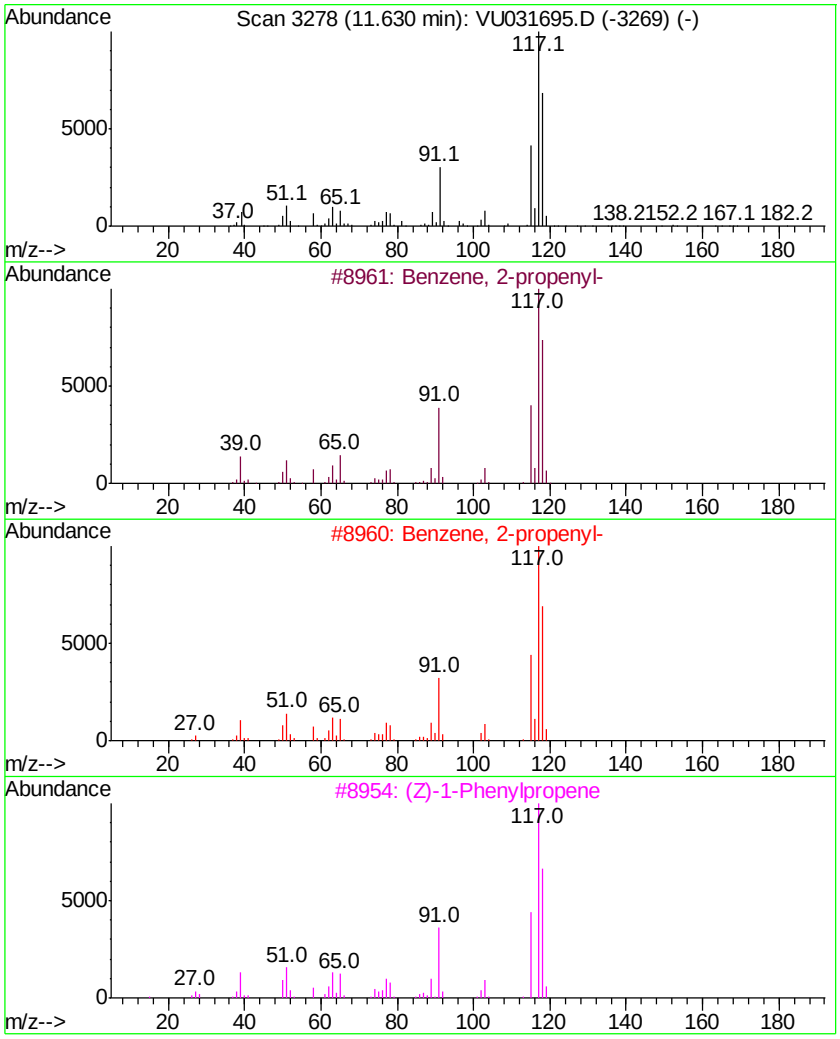
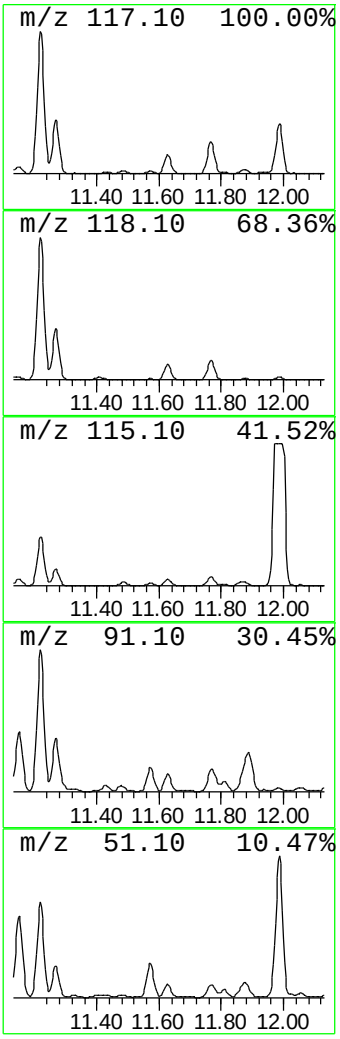
Peak Number 26 Benzene, 2-propenyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	76.26 ug/L	5538210	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

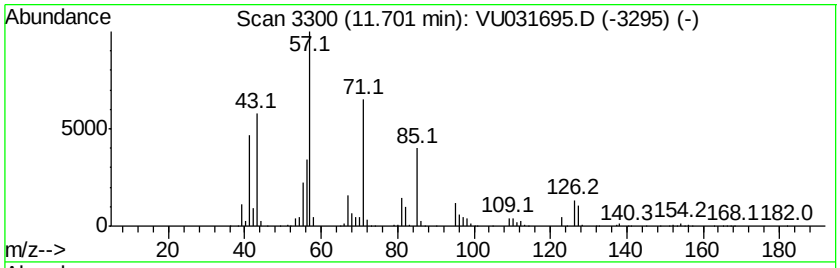
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

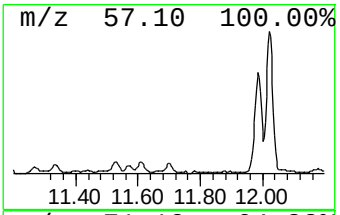
****

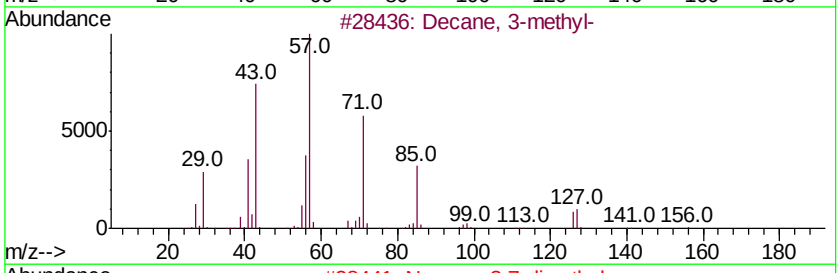
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 54

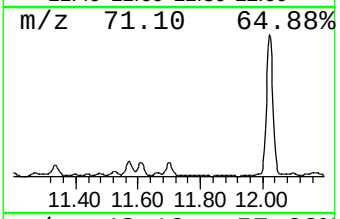
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	26.51 ug/L	1925250	1,4-Dichlorobenzene-d4	11.49

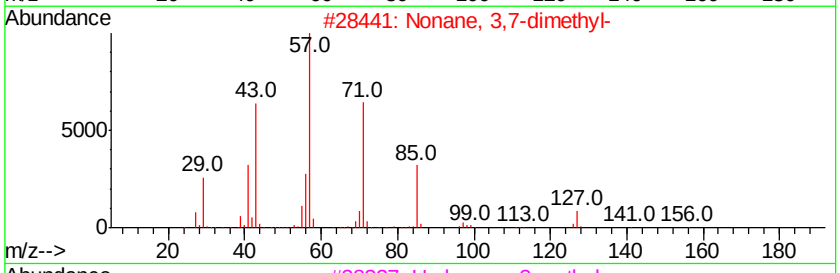
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	50
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	50

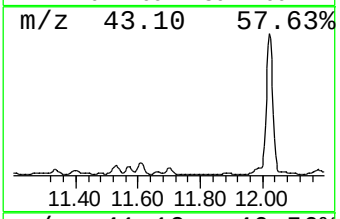


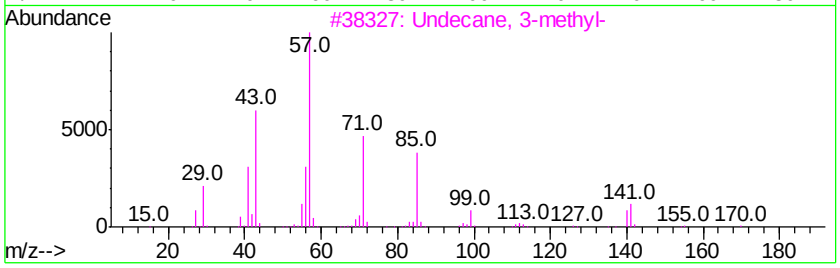


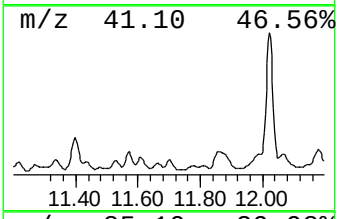


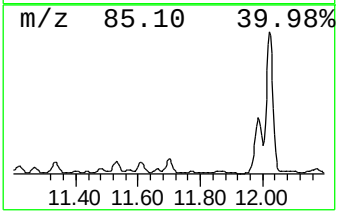












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Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

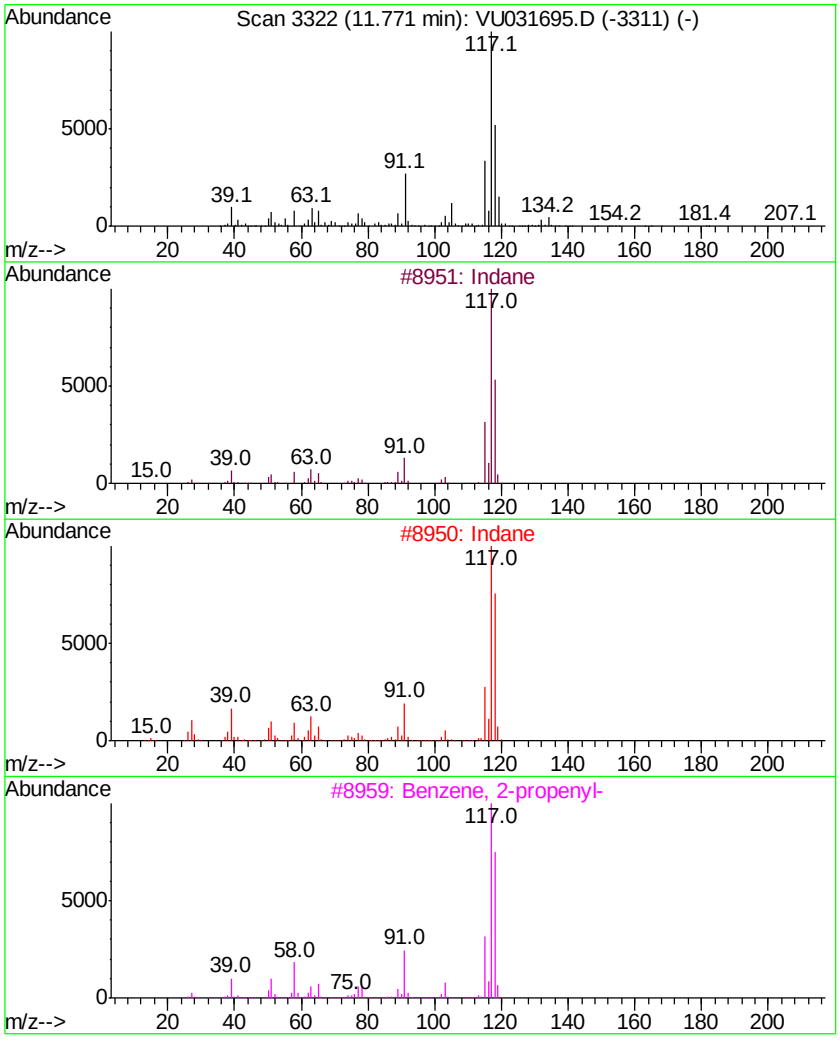
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

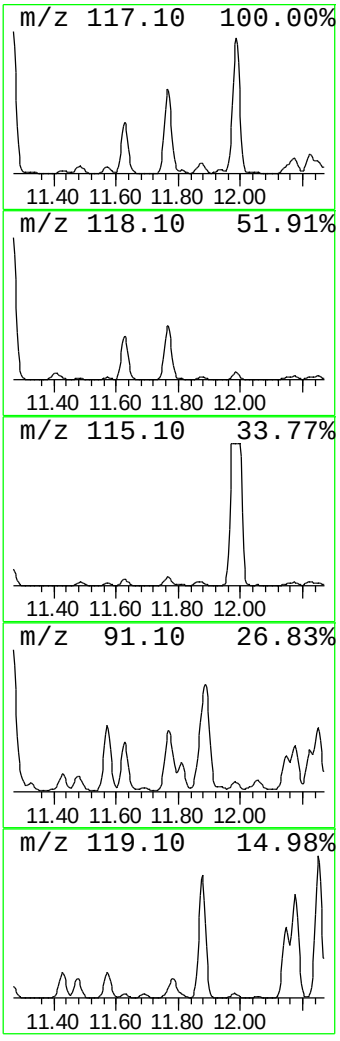
****

Peak Number 28 Indane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	147.46 ug/L	10709100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	68
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
5	Indane	118	C9H10	000496-11-7	60





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

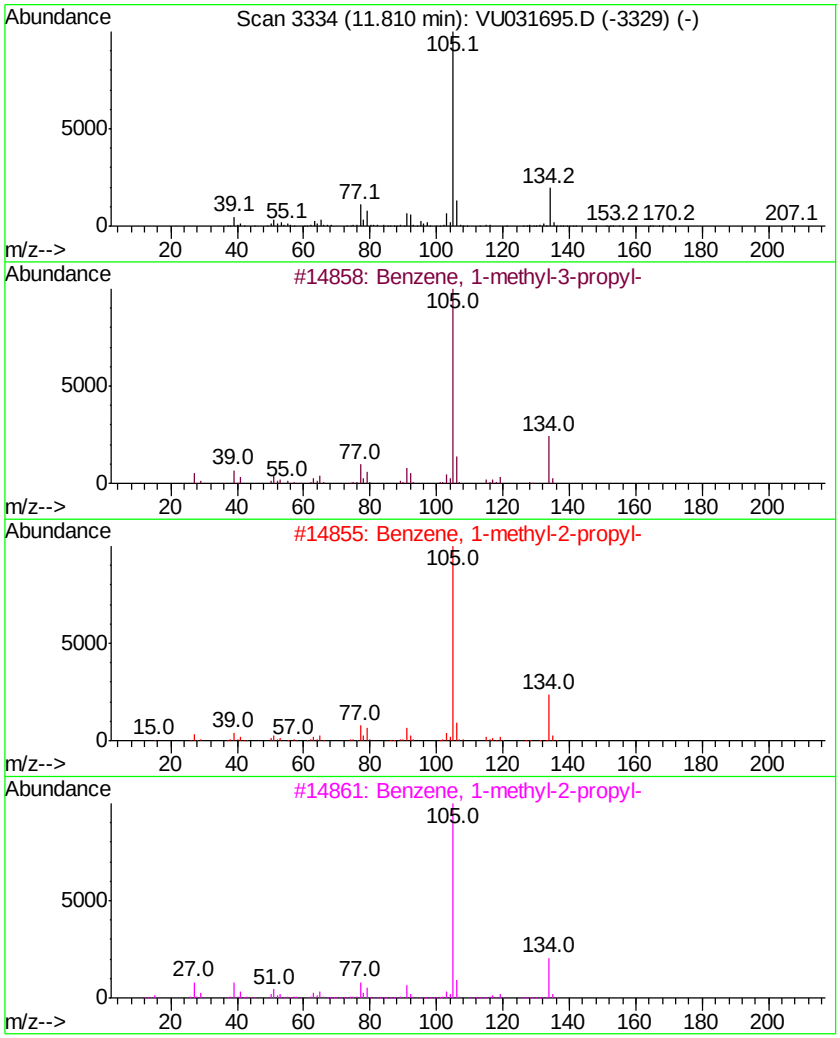
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

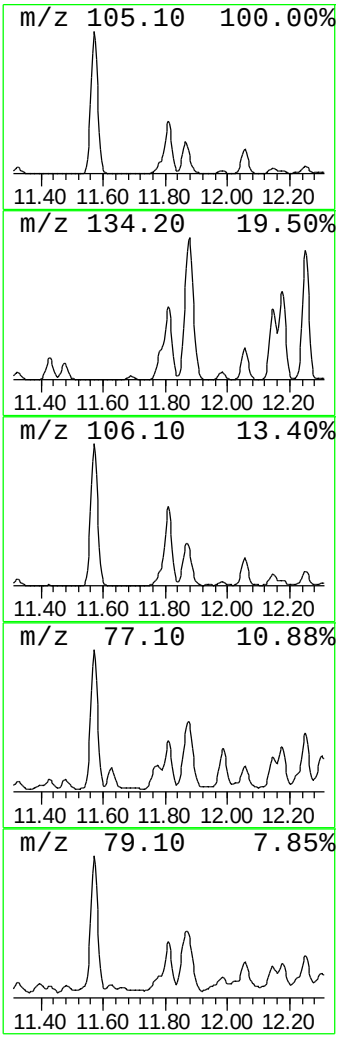
****

Peak Number 29 Benzene, 1-methyl-3-propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	78.49 ug/L	5700260	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

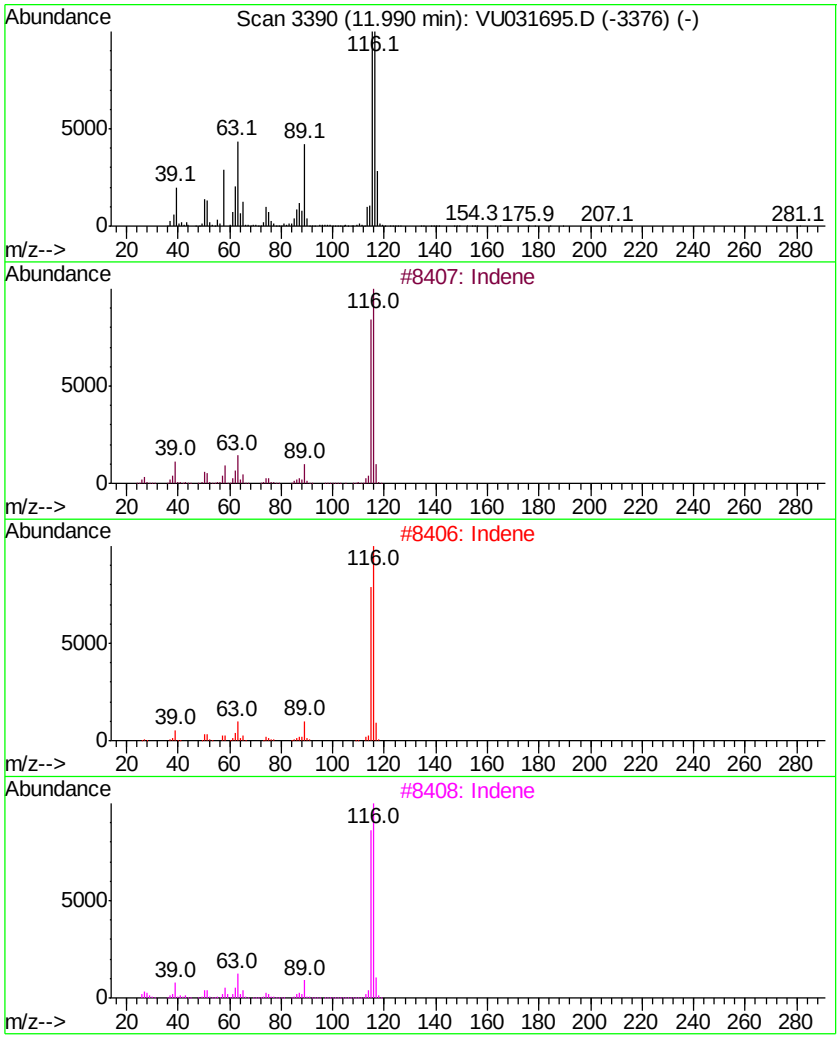
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

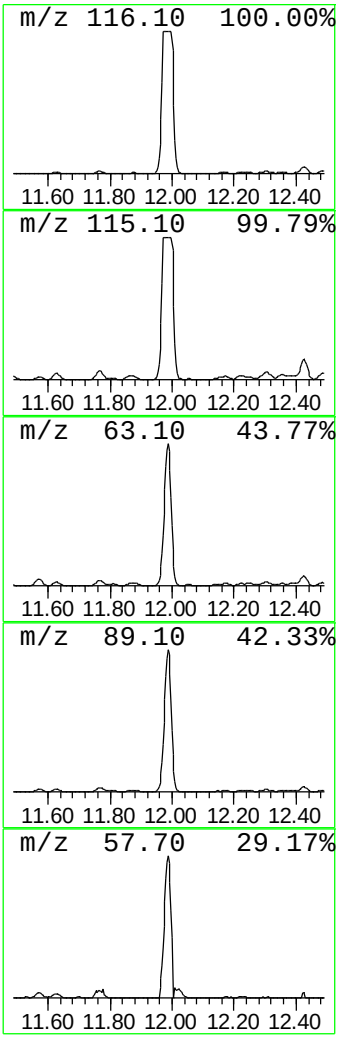
****

Peak Number 30 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	1654.79 ug/L	120175000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	93
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	83
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	76





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

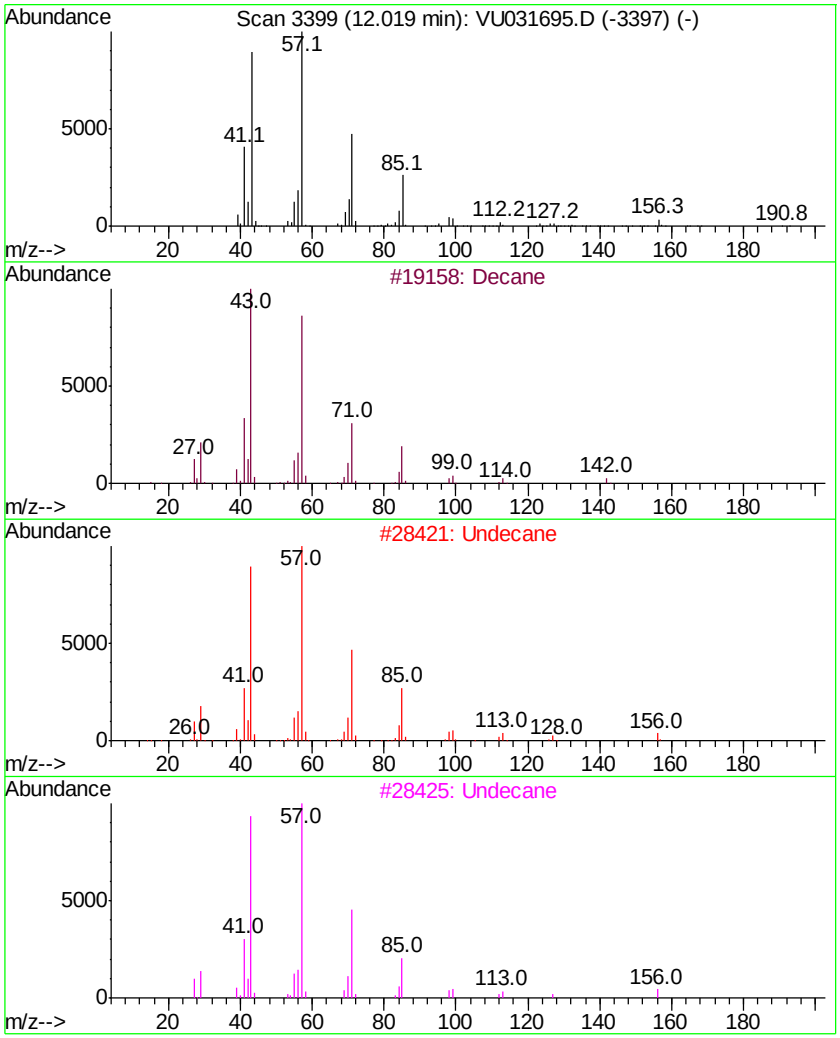
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

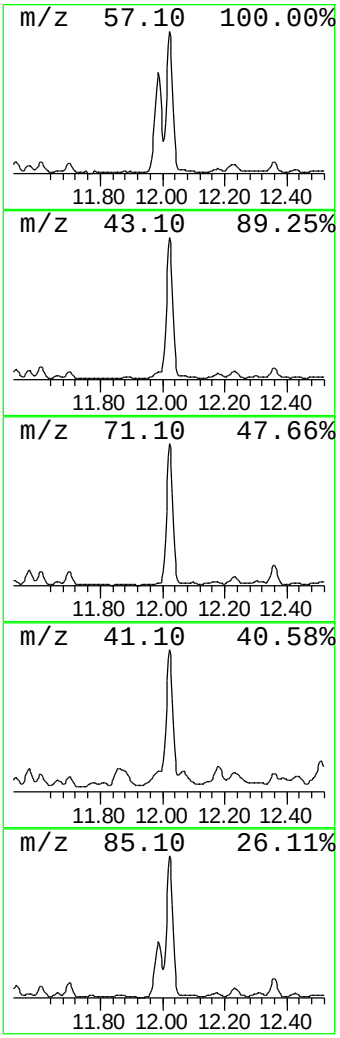
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	229.05 ug/L	16633900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Undecane	156	C11H24	001120-21-4	91
3	Undecane	156	C11H24	001120-21-4	91
4	Undecane	156	C11H24	001120-21-4	90
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

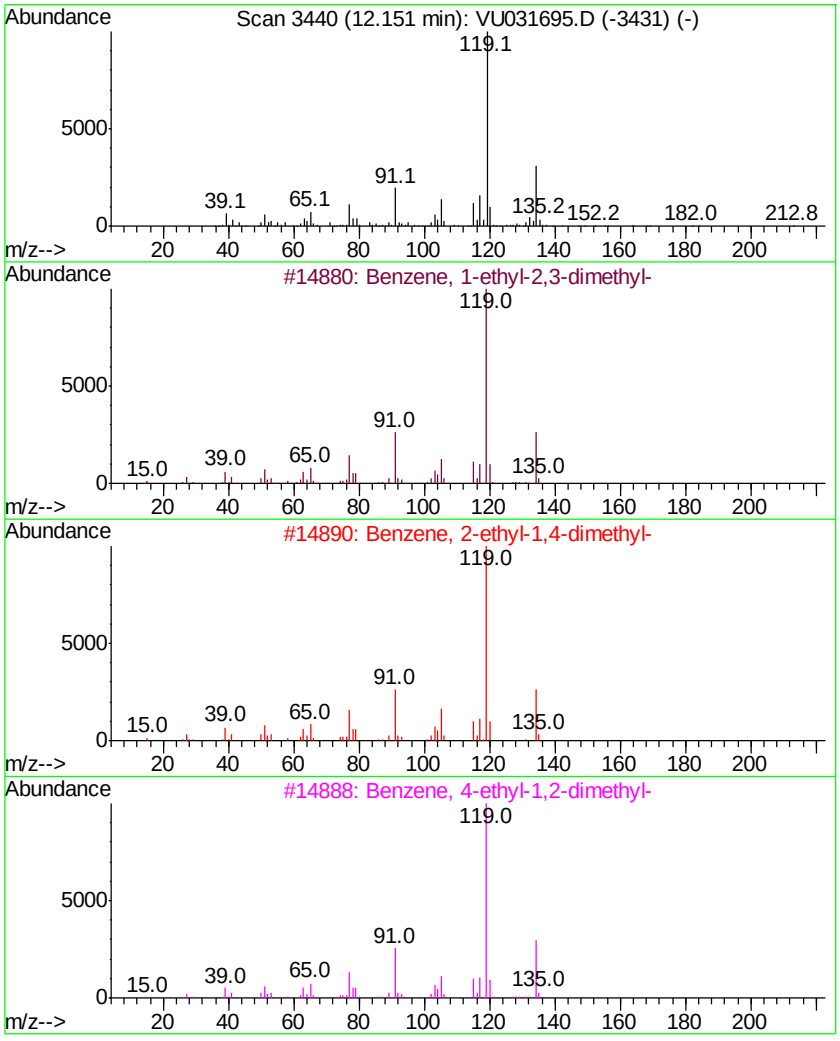
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

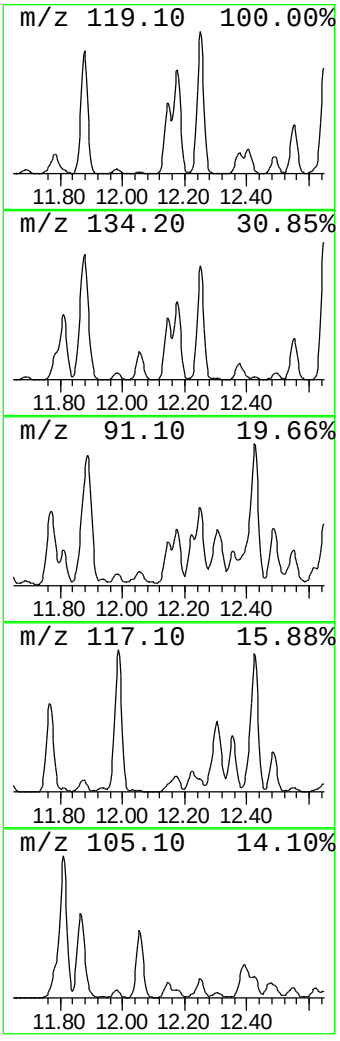
****

Peak Number 32 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	61.17 ug/L	4441990	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
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	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

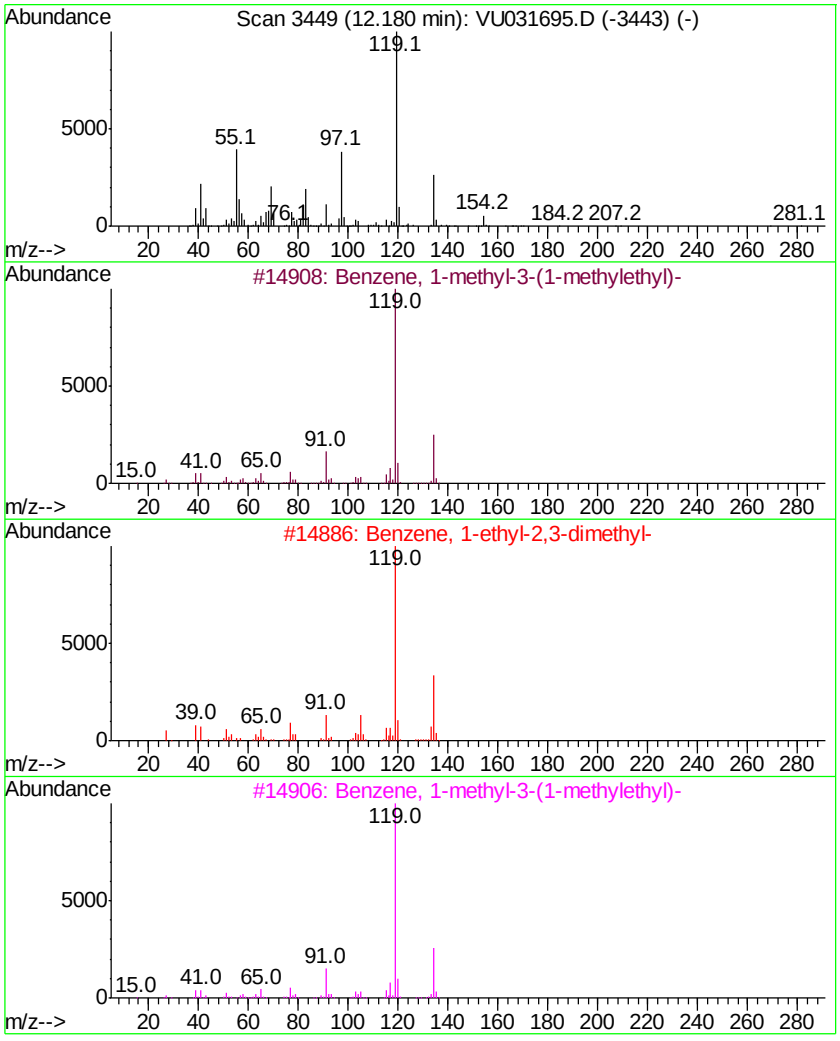
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

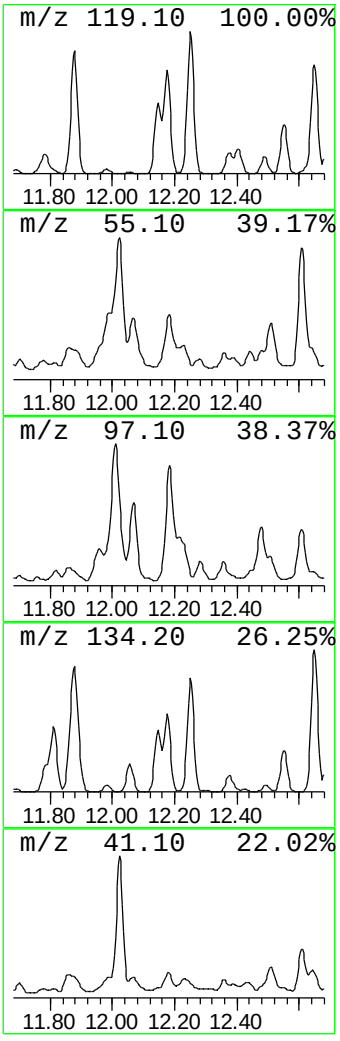
****

Peak Number 33 Benzene, 1-methyl-3-(1-meth... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	110.82 ug/L	8048010	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	89
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

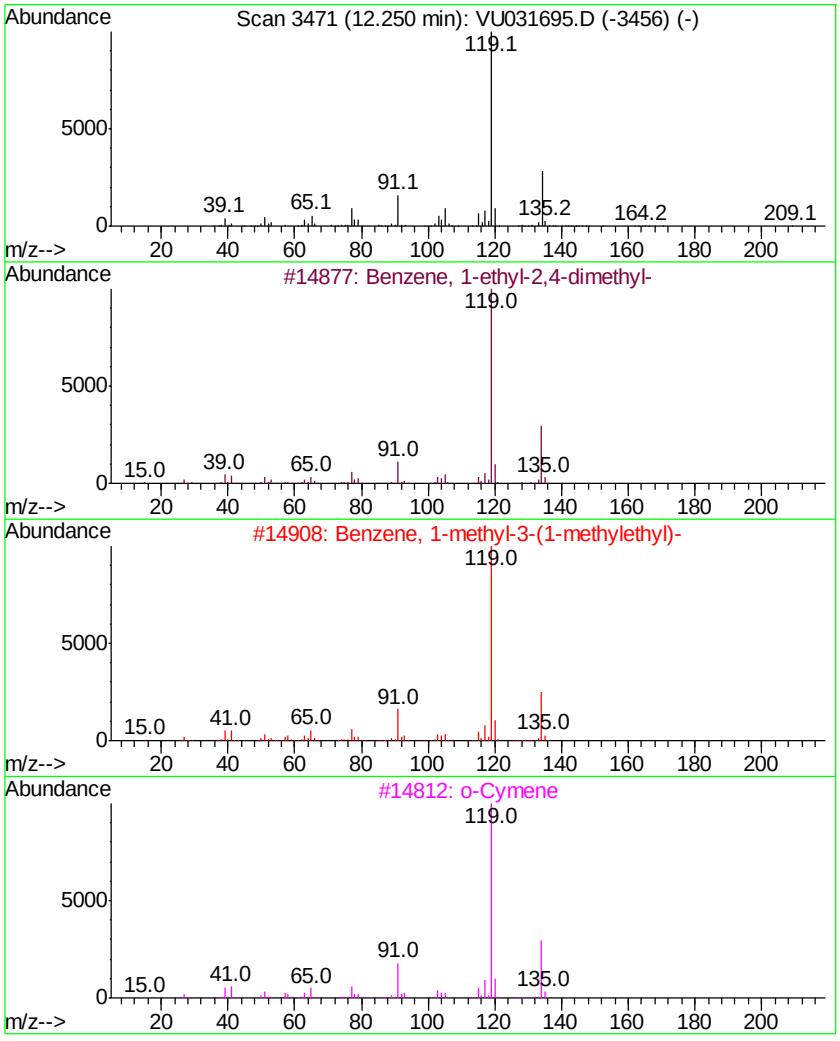
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

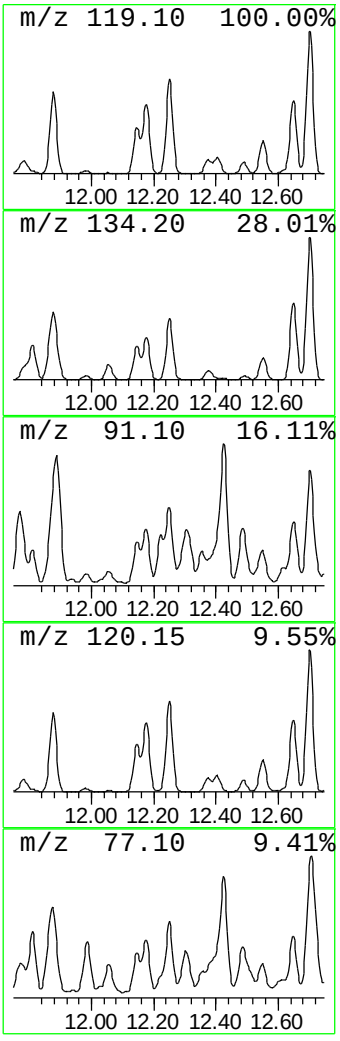
****

Peak Number 34 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	146.32 ug/L	10626000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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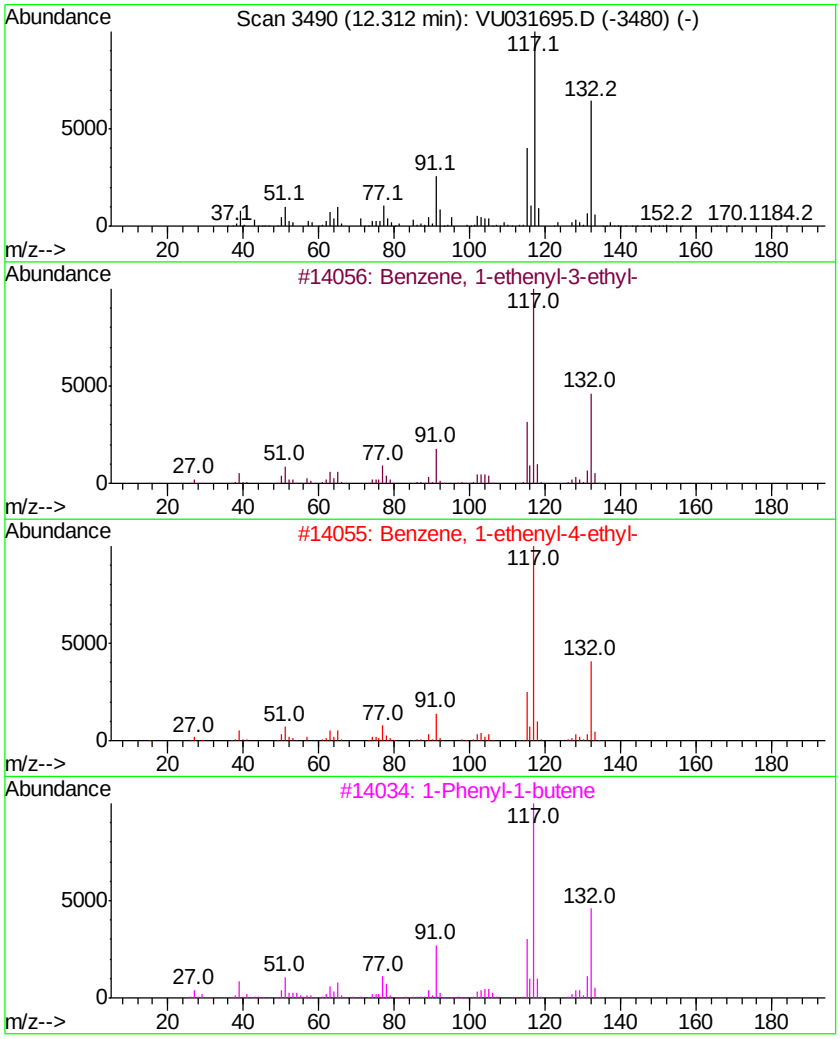
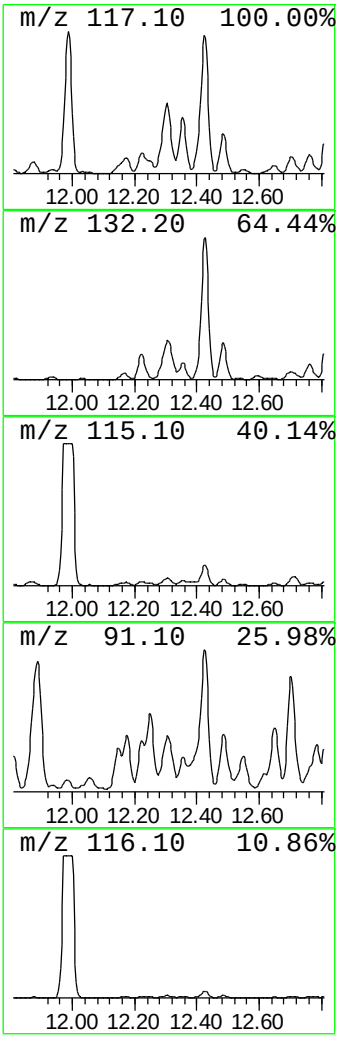
Peak Number 35 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	89.10 ug/L	6470980	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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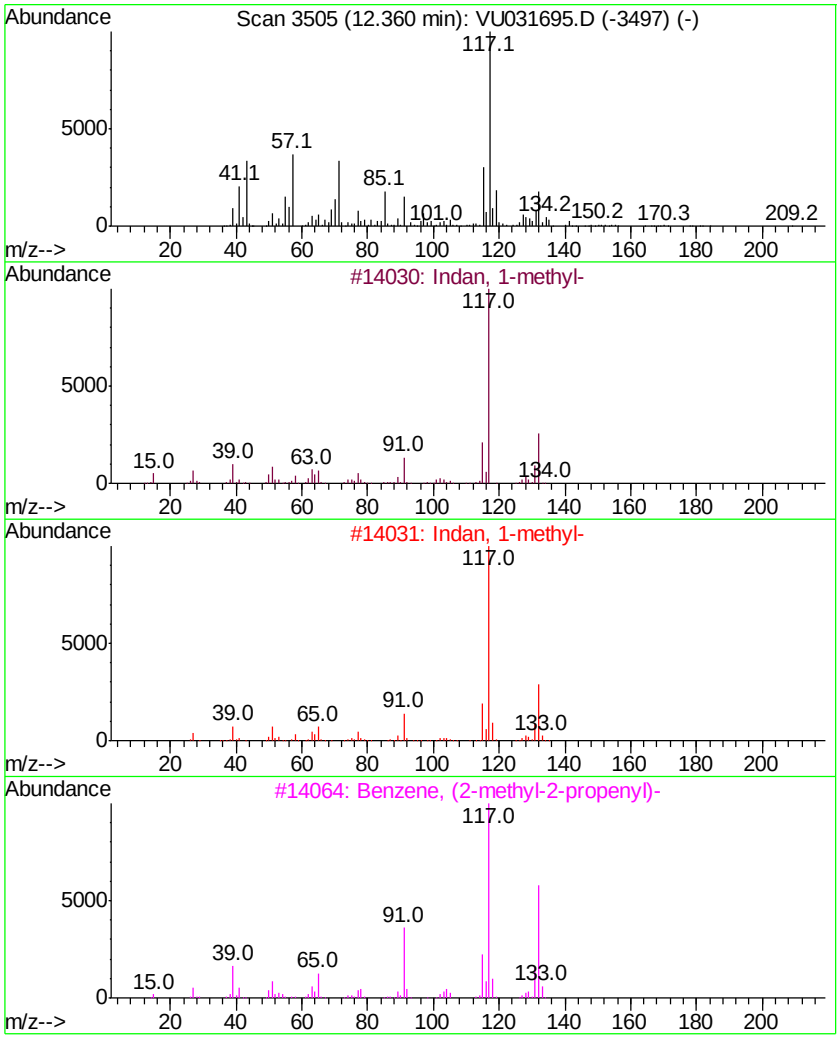
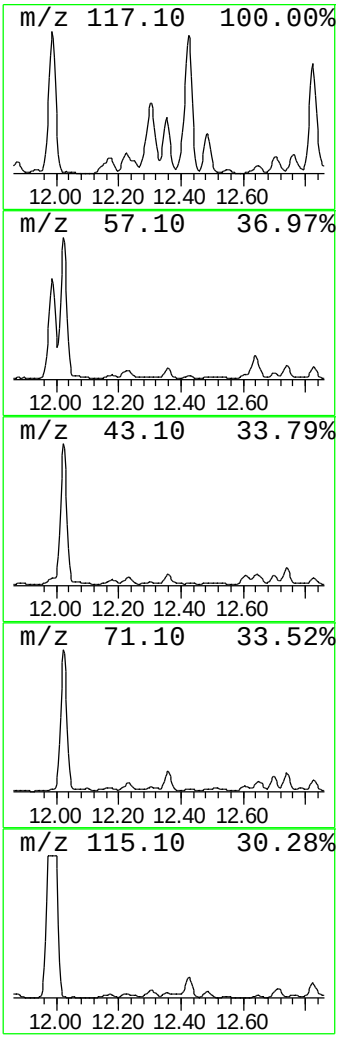
Peak Number 36 Indan, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	72.55 ug/L	5268680	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	70
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	62
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	62
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	58





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

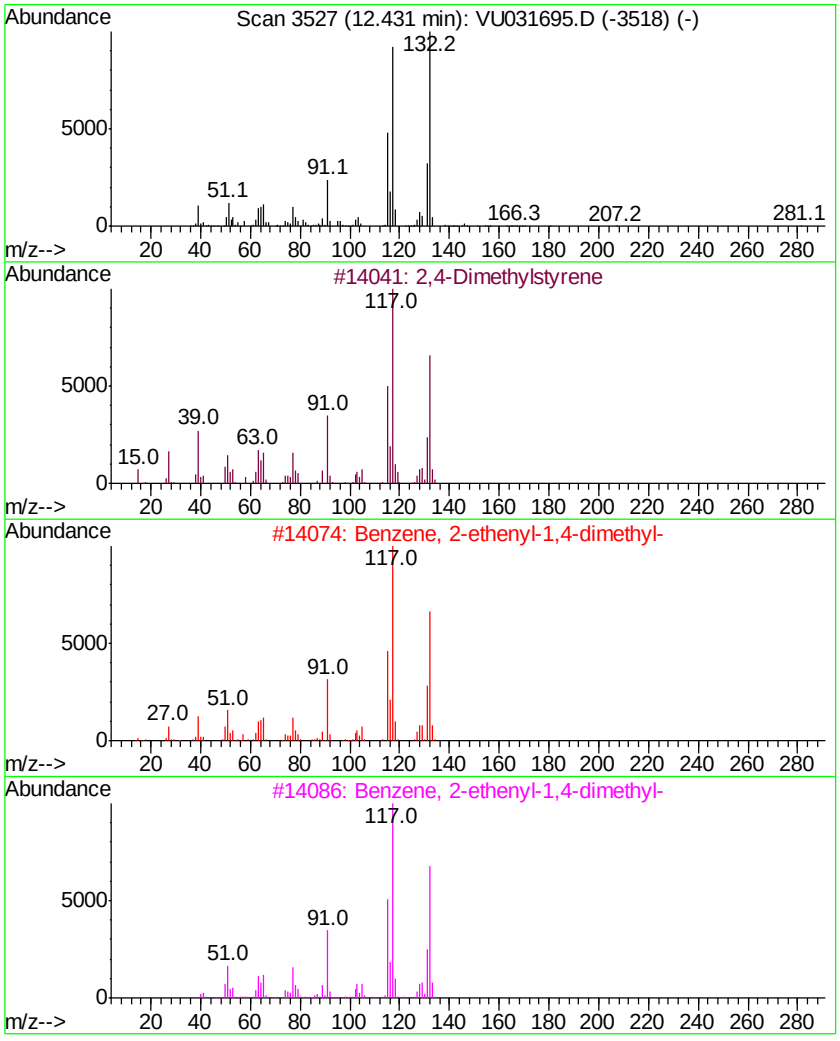
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

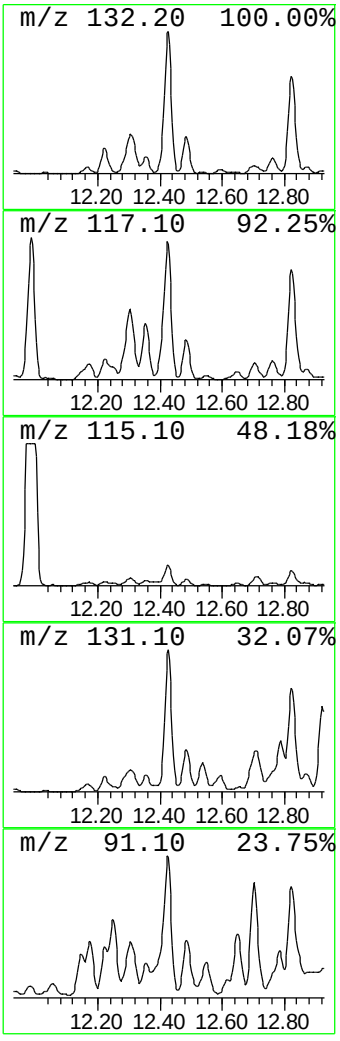
****

Peak Number 37 2,4-Dimethylstyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	282.80 ug/L	20537800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	91





Library Search Compound Report

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Data File : VU031695.D
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Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

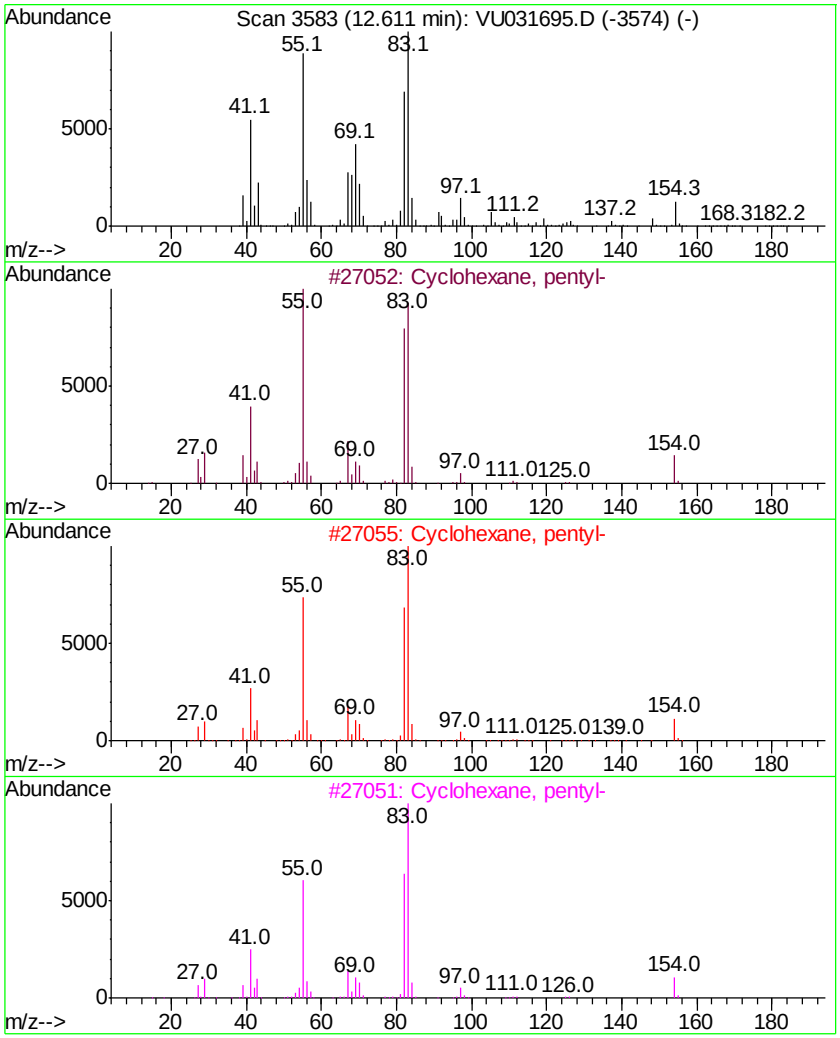
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

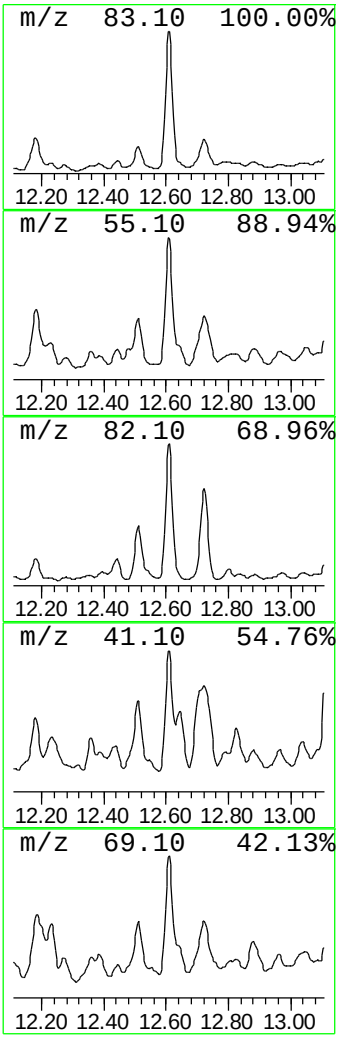
****

Peak Number 39 (DEL) Alkane: Cyclic12.61 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	128.97 ug/L	9365850	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	52
5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	52





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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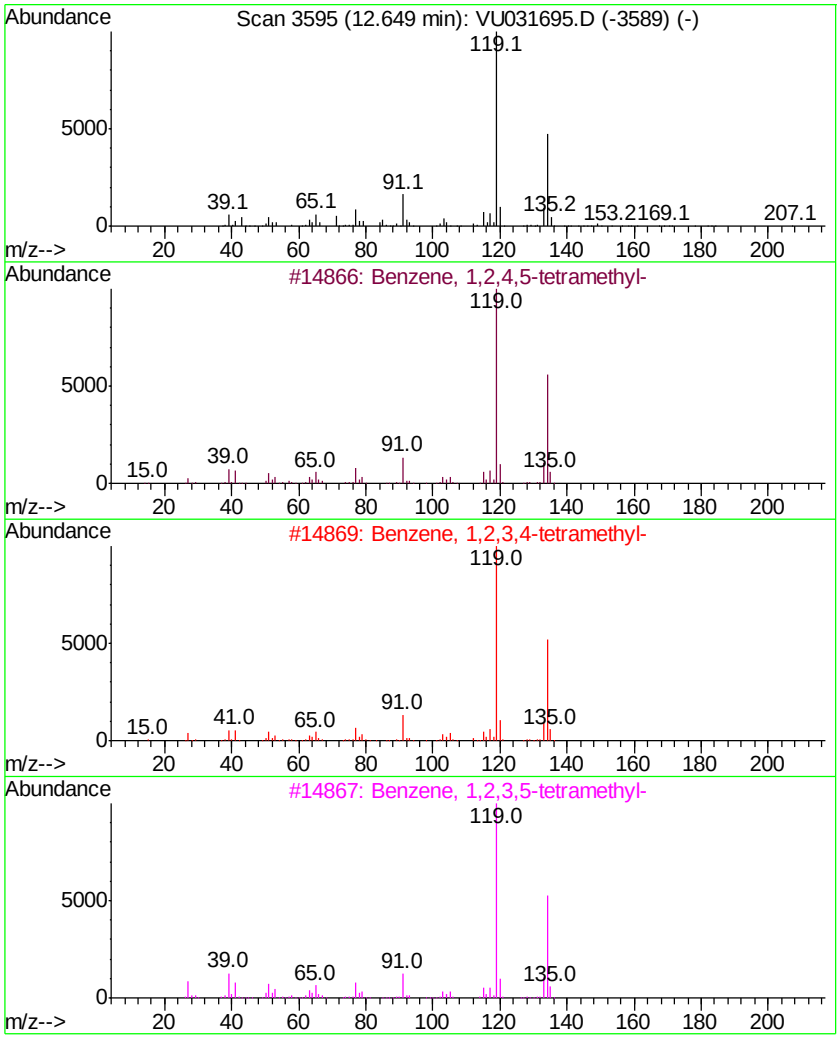
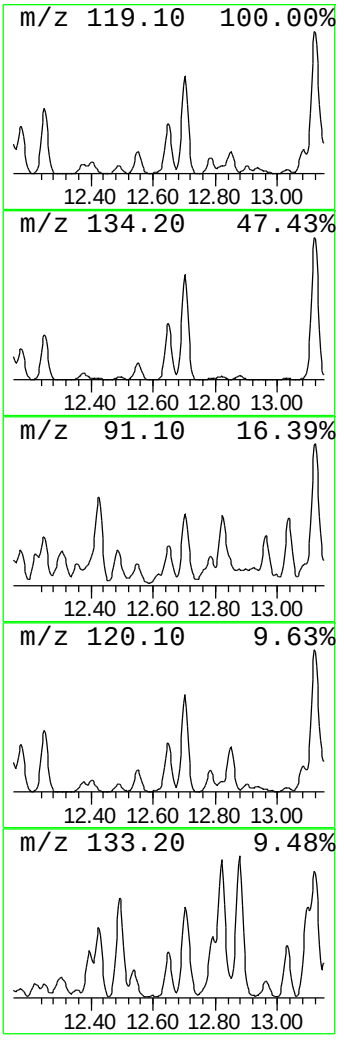
Peak Number 40 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	125.76 ug/L	9132810	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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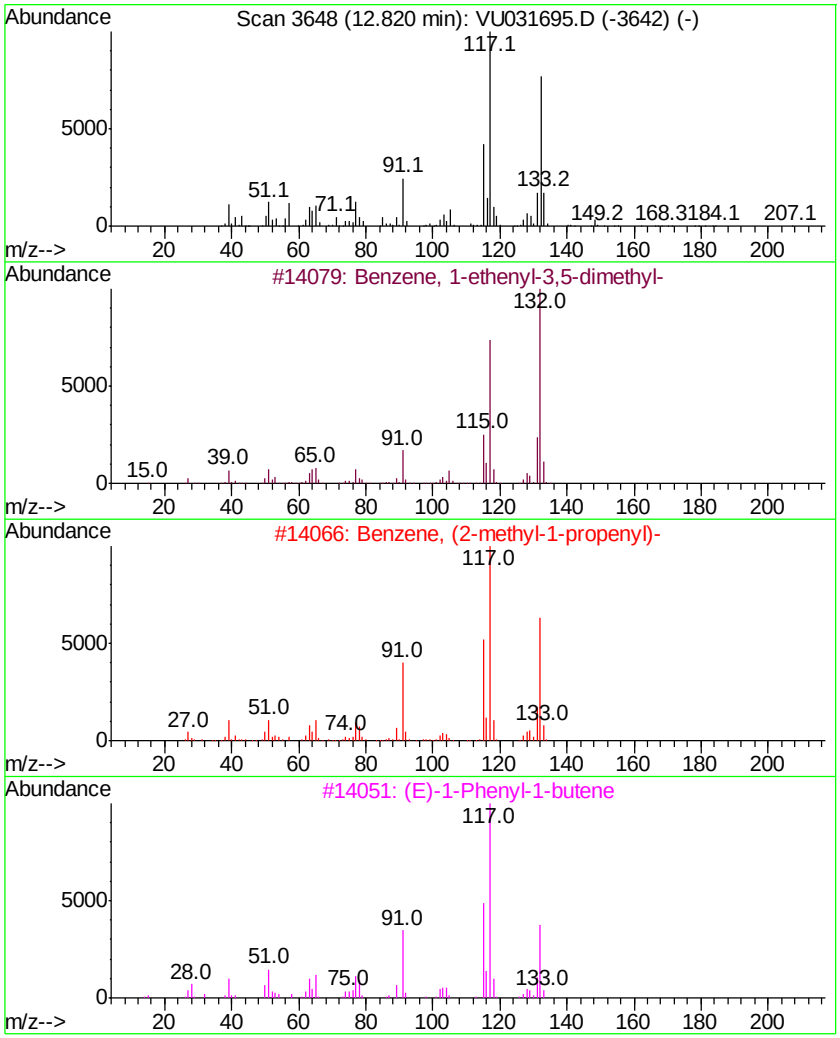
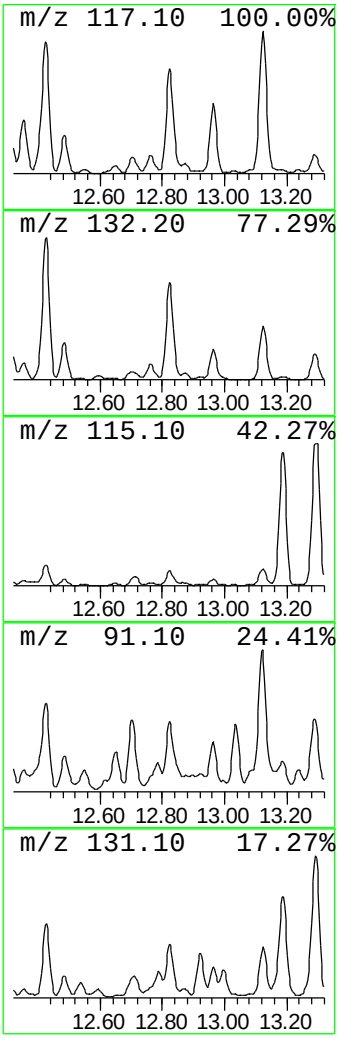
Peak Number 42 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	185.75 ug/L	13489300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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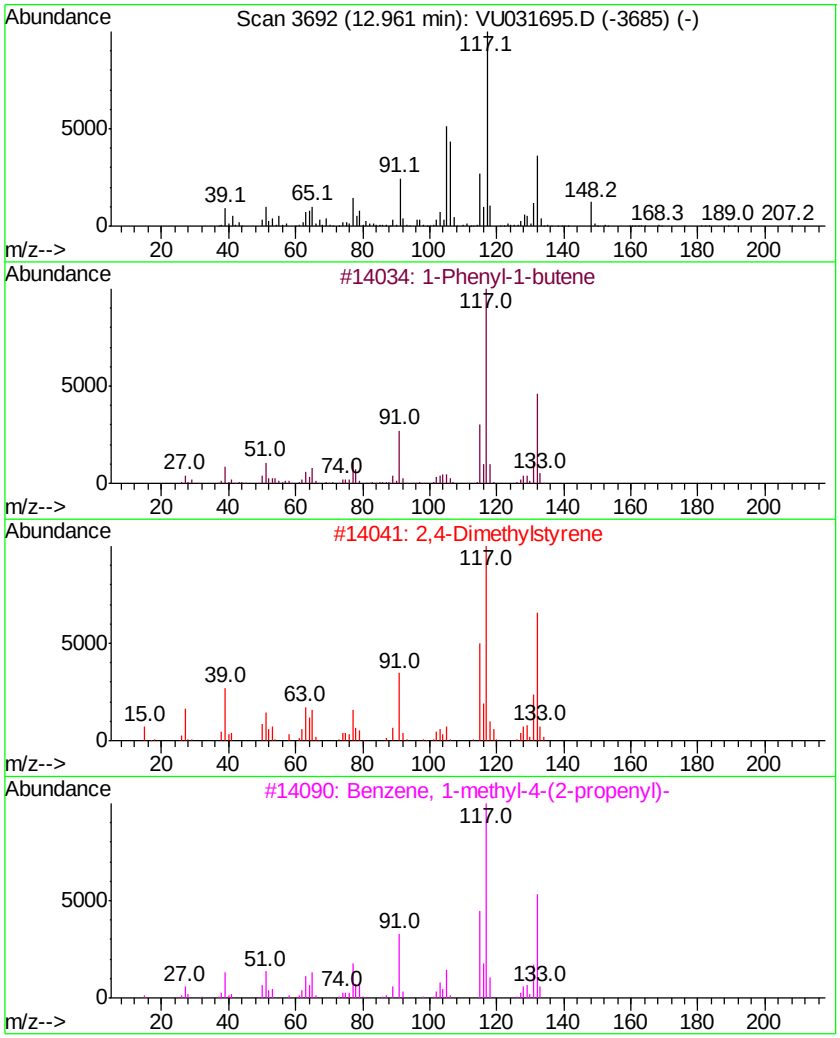
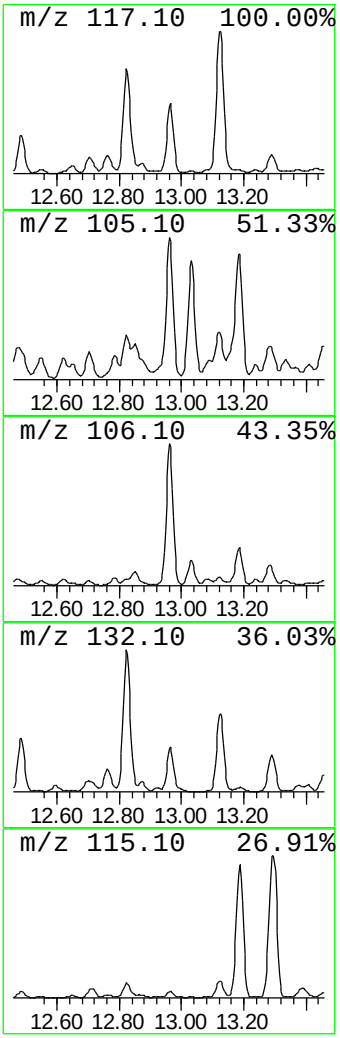
Peak Number 43 1-Phenyl-1-butene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	138.27 ug/L	10041300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	89
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	89





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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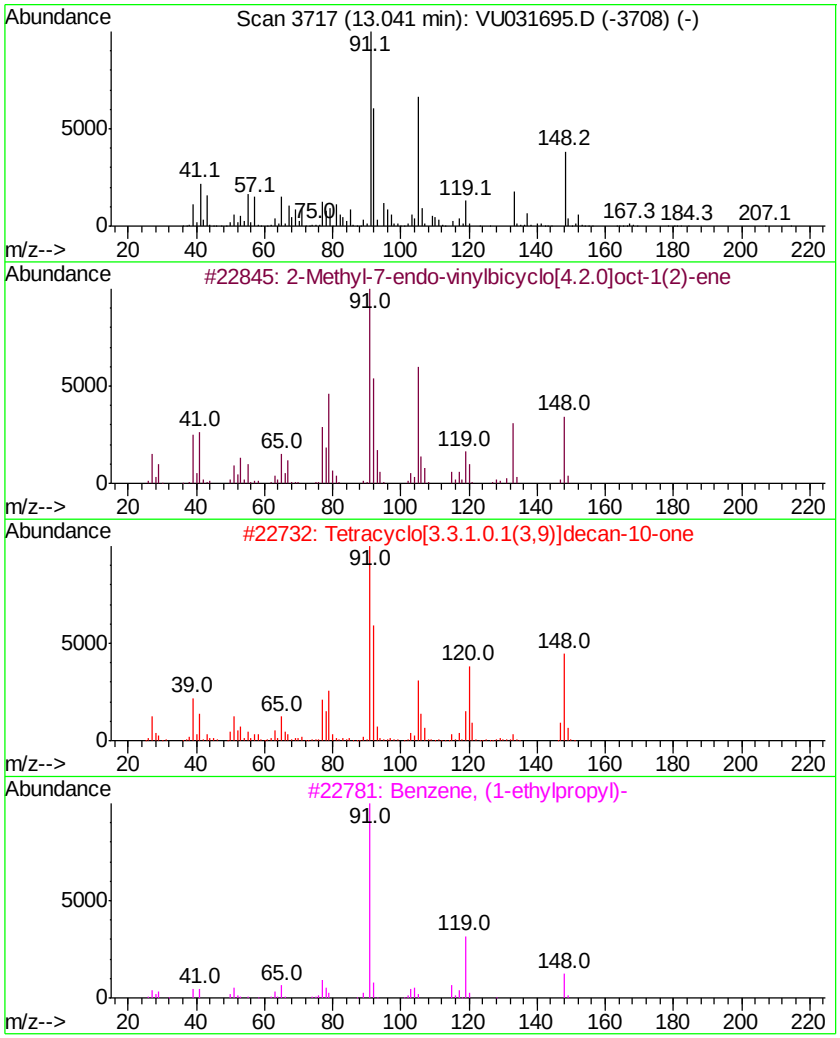
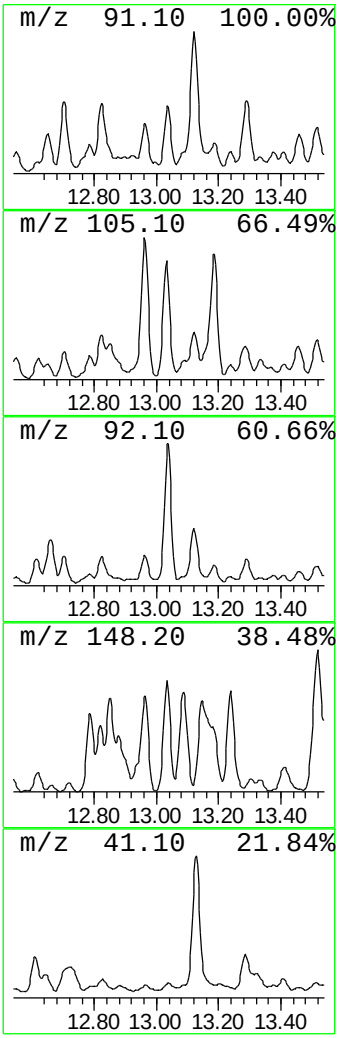
Peak Number 44 2-Methyl-7-endo-vinylbicycl... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	60.84 ug/L	4418470	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	90
2	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	80
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	46
4	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	38
5	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	35





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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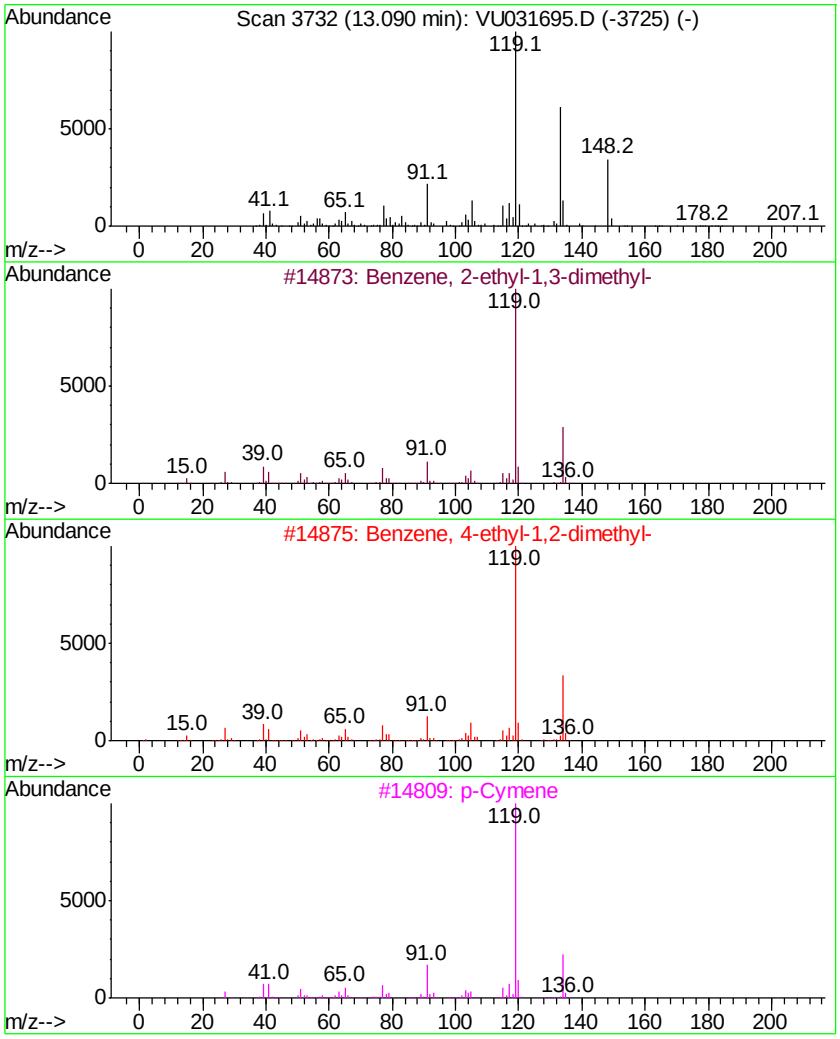
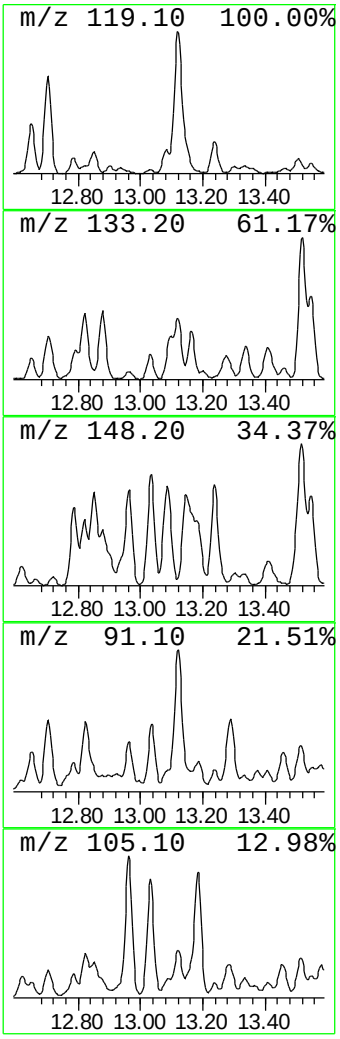
Peak Number 45 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	23.38 ug/L	1697620	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
3	p-Cymene	134	C10H14	000099-87-6	60
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	58
5	o-Cymene	134	C10H14	000527-84-4	55





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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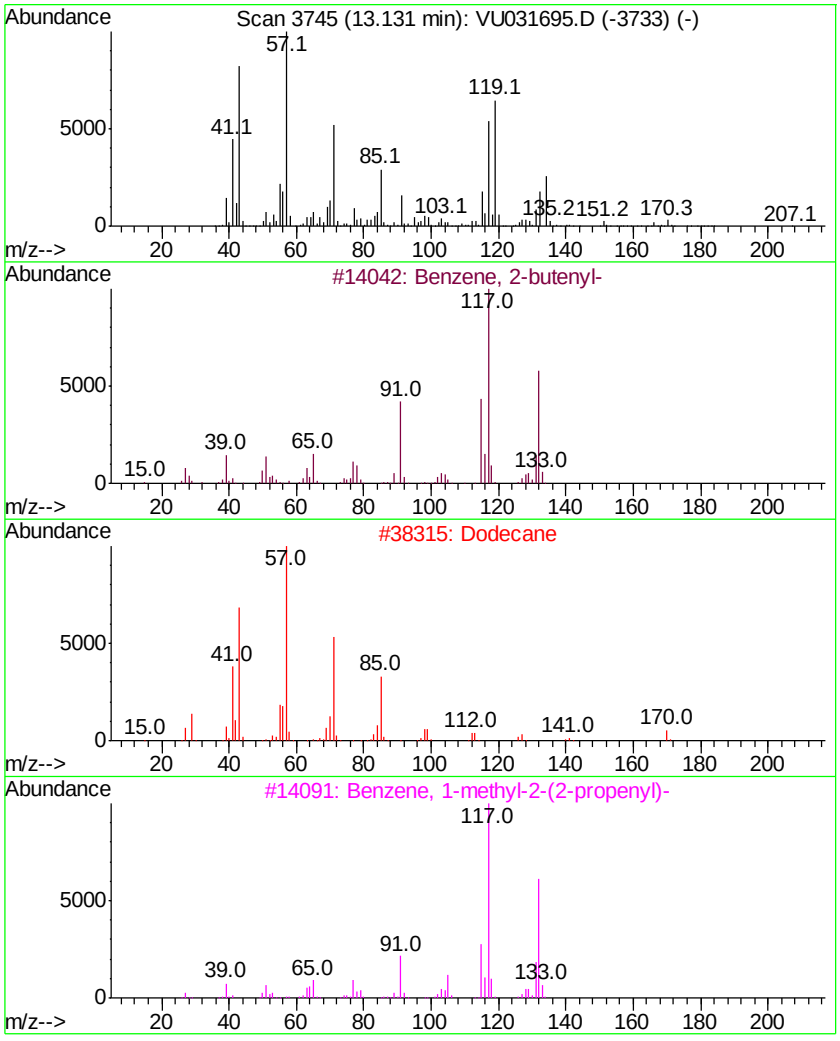
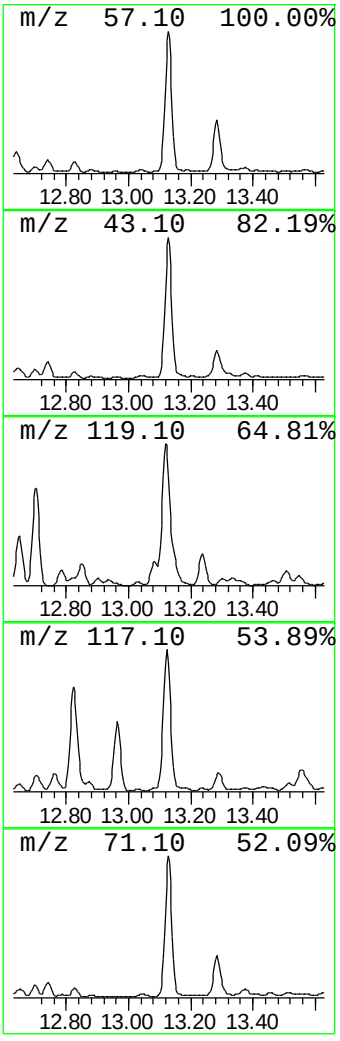
Peak Number 46 Benzene, 2-butenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	868.91 ug/L	63102600	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62
2	Dodecane	170	C12H26	000112-40-3	56
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	47
4	o-Cymene	134	C10H14	000527-84-4	46
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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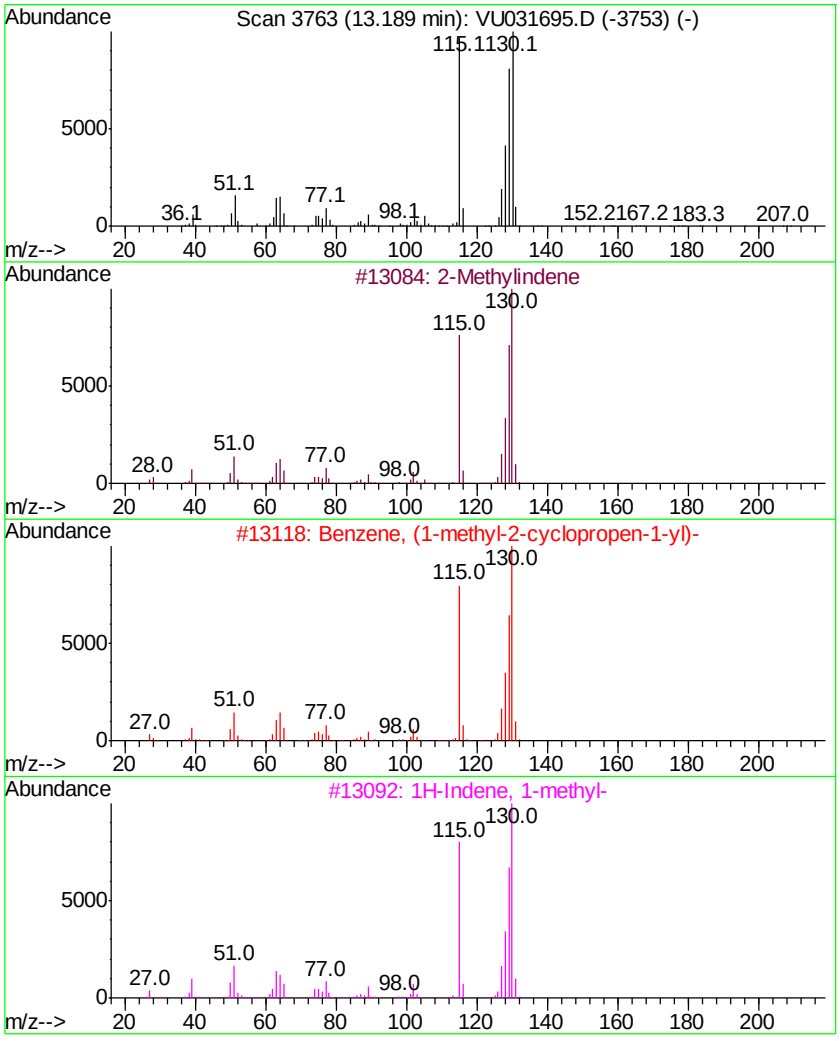
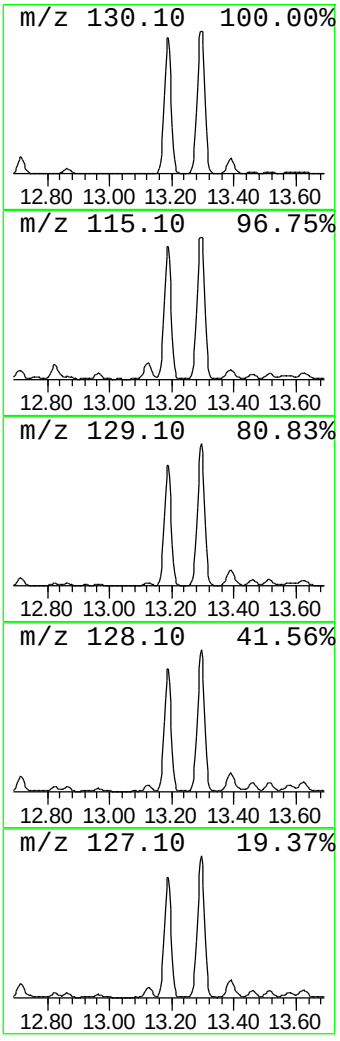
Peak Number 47 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	910.44 ug/L	66118200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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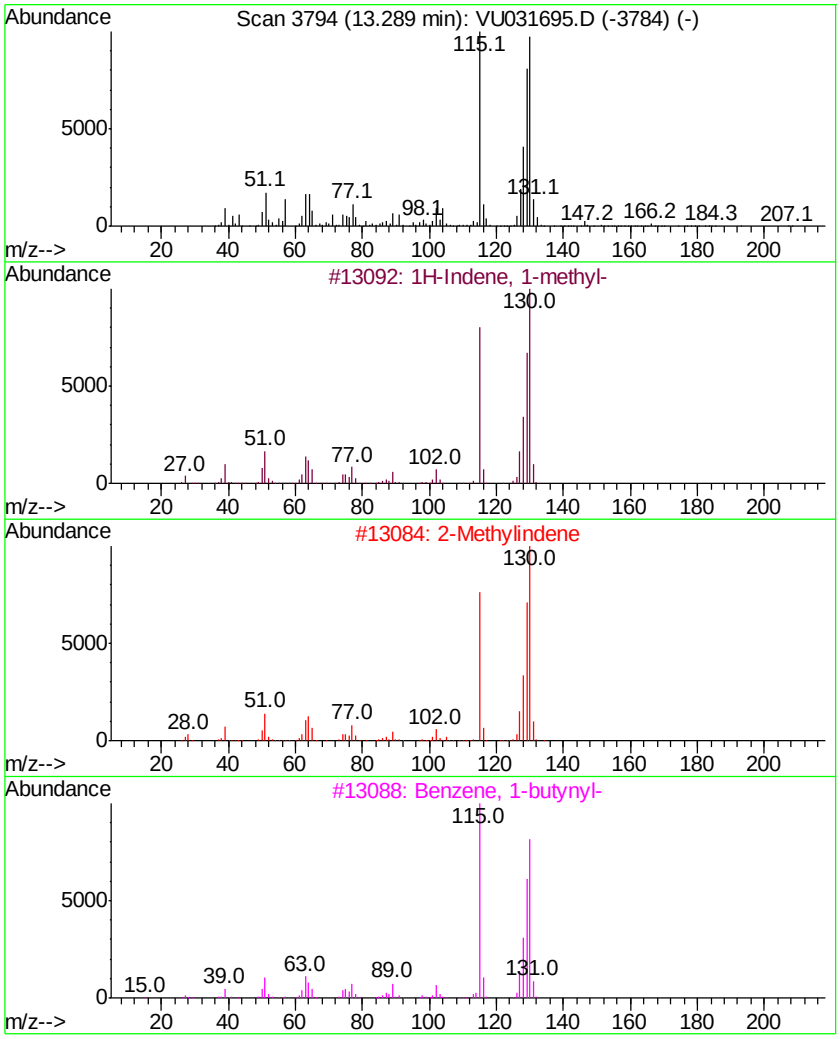
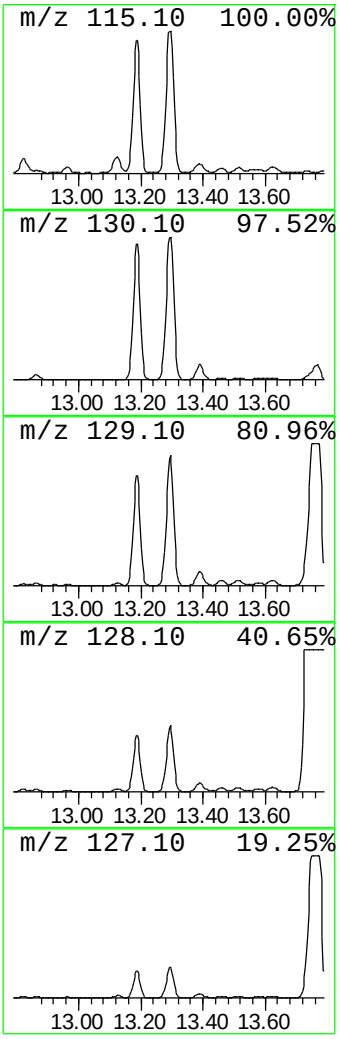
Peak Number 48 1H-Indene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1360.85 ug/L	98828700	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95





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Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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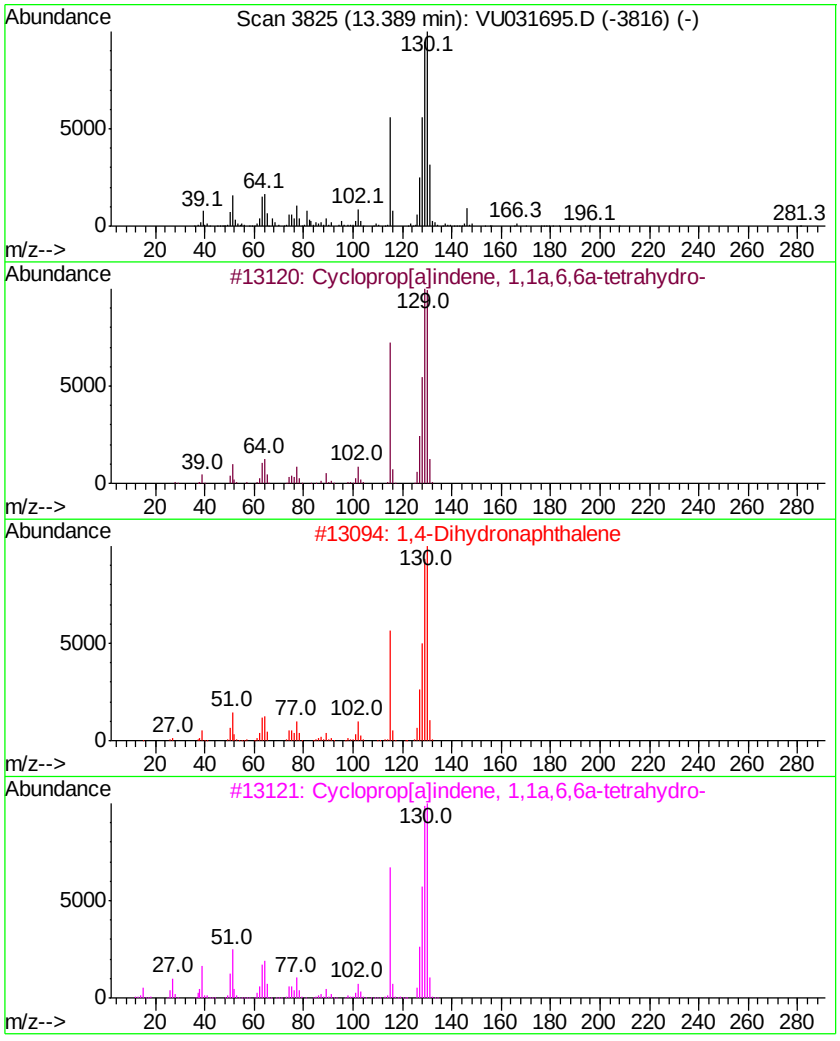
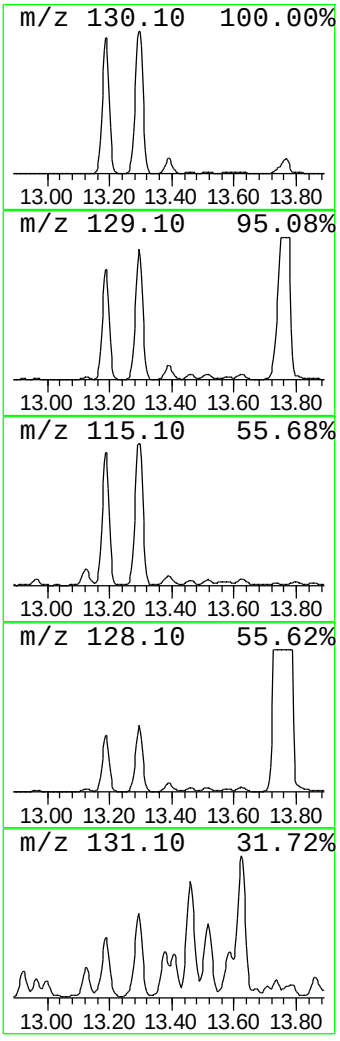
Peak Number 49 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	188.12 ug/L	13661900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	92





Library Search Compound Report

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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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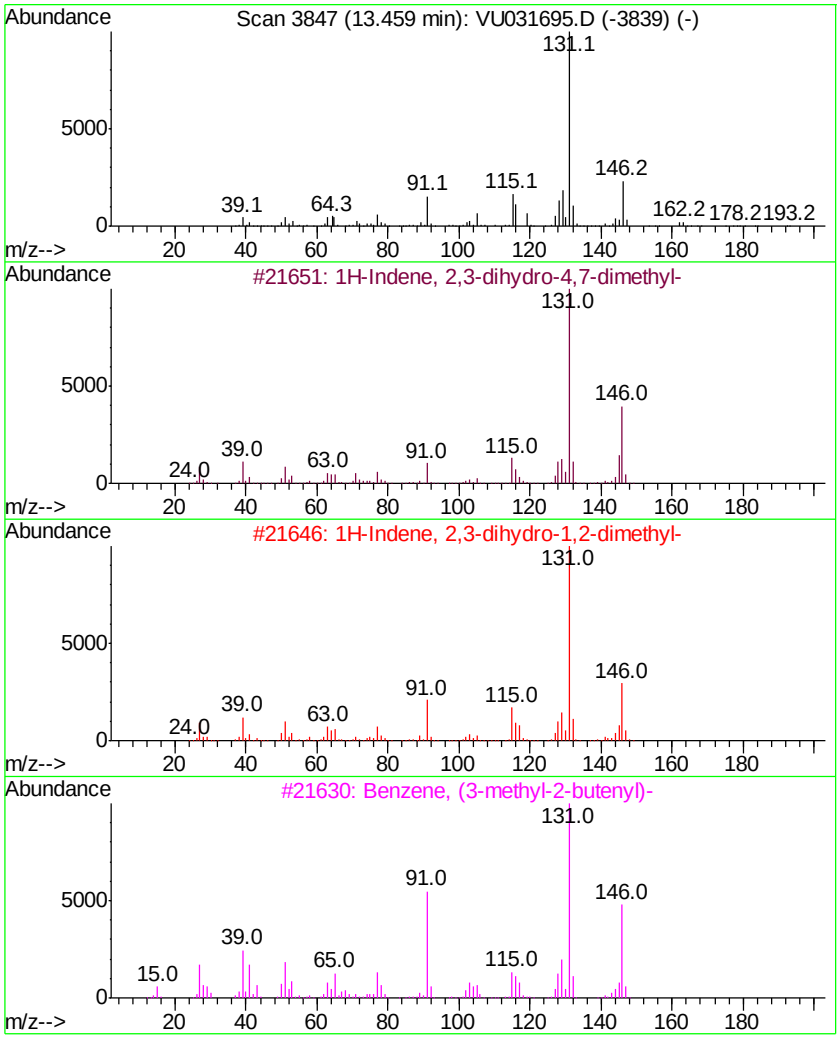
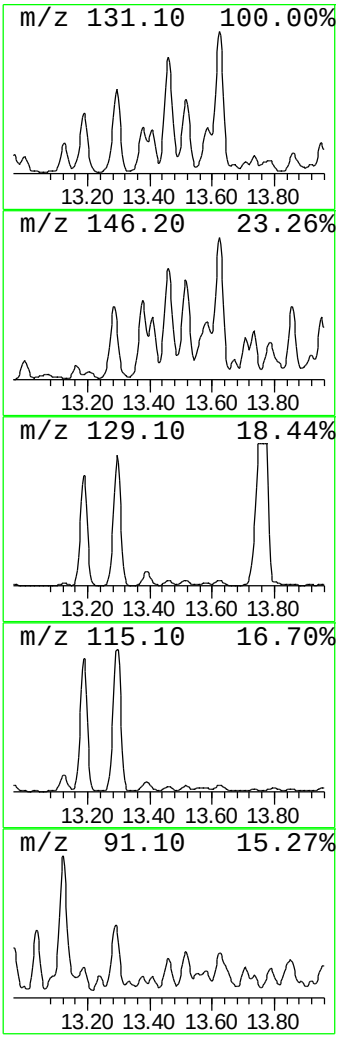
Peak Number 50 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	103.03 ug/L	7482150	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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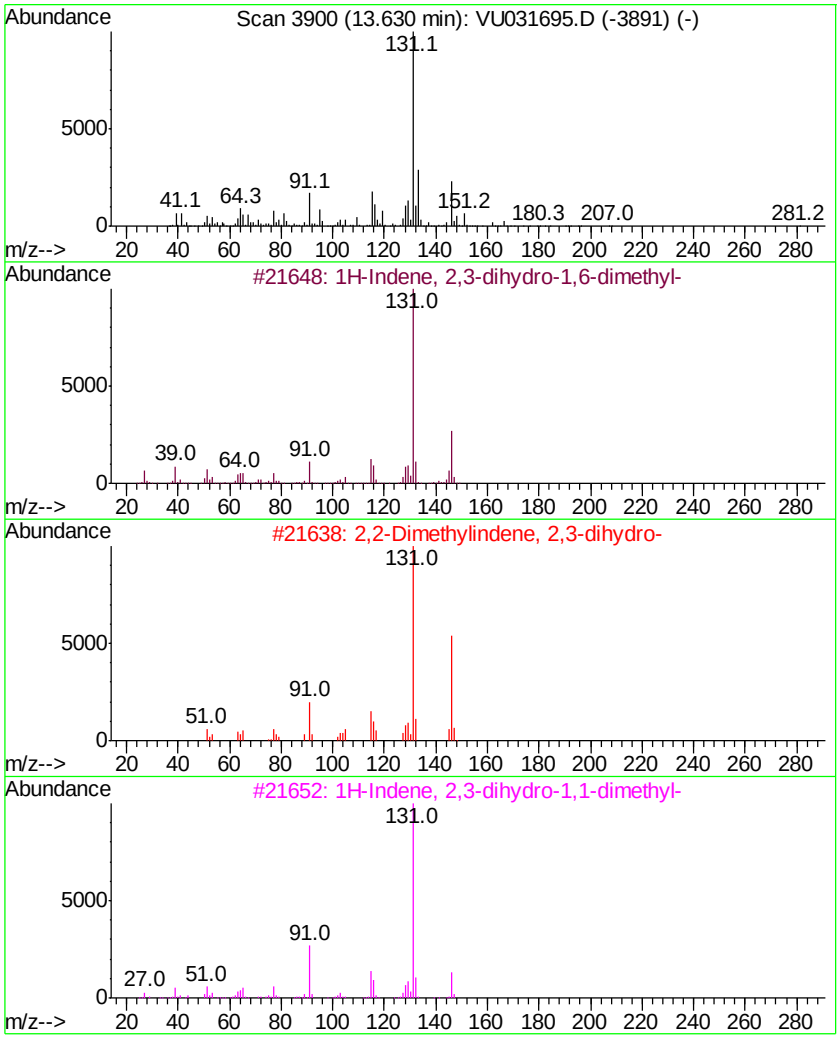
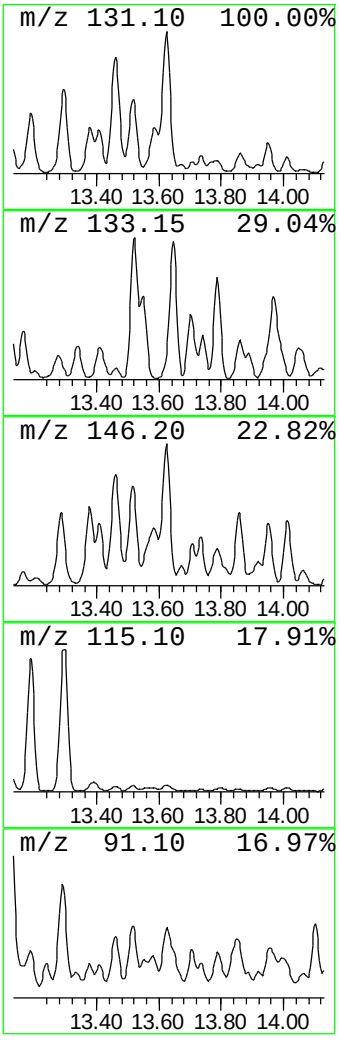
Peak Number 52 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	160.83 ug/L	11679900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	87





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Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

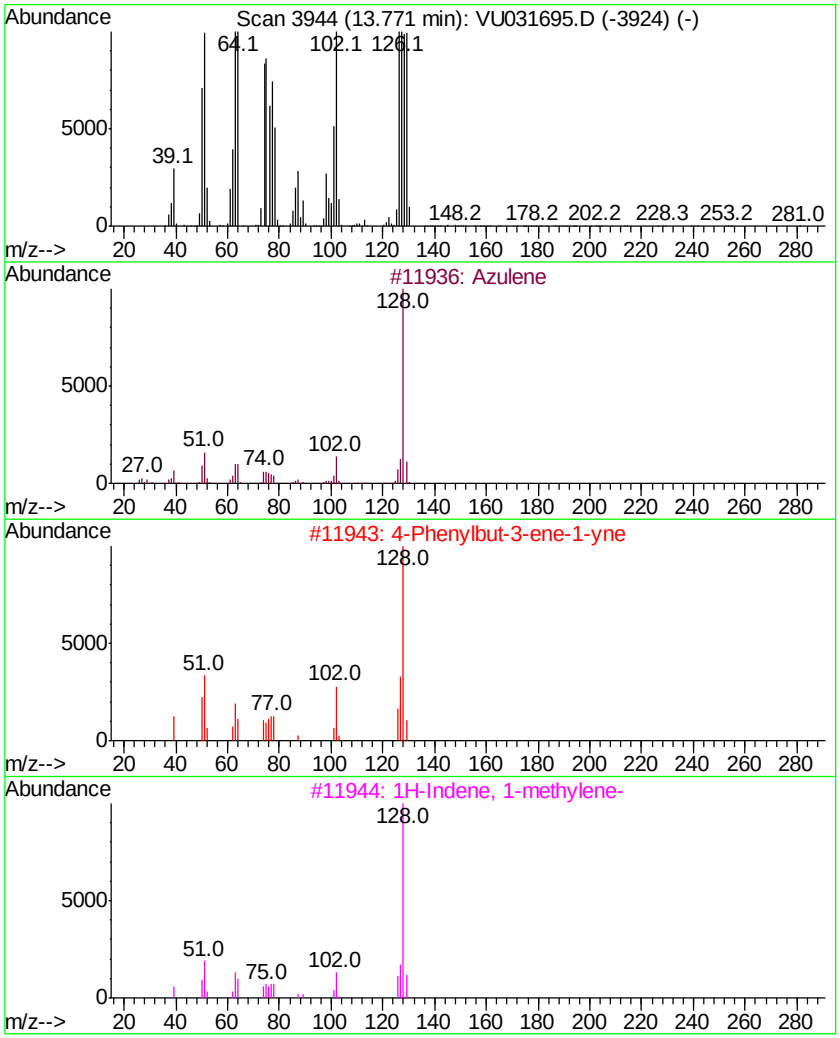
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

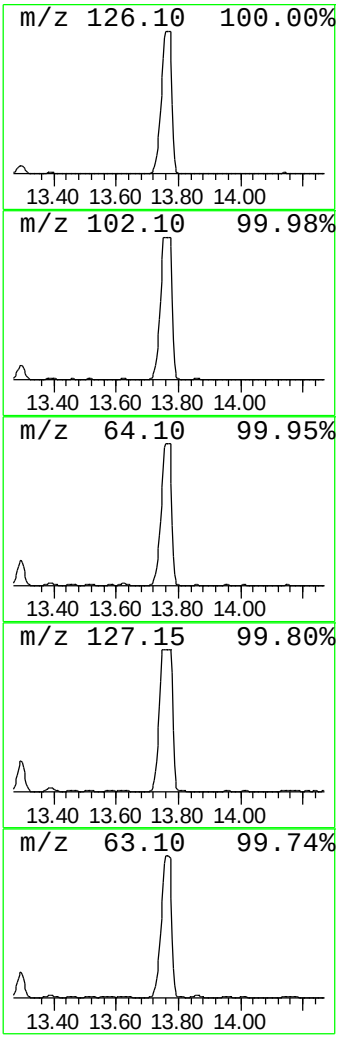
****

Peak Number 53 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	5543.72 ug/L	402599000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	76
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	46
4	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	46
5	1,2,3-Thiadiazole, 4-phenyl-	162	C8H6N2S	025445-77-6	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

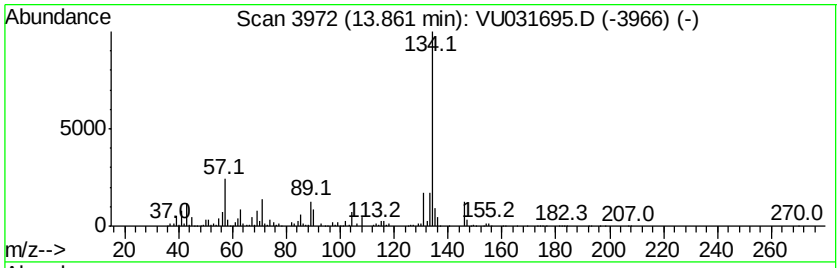
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

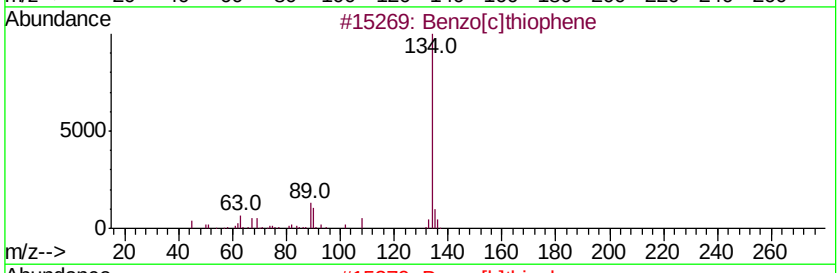
****

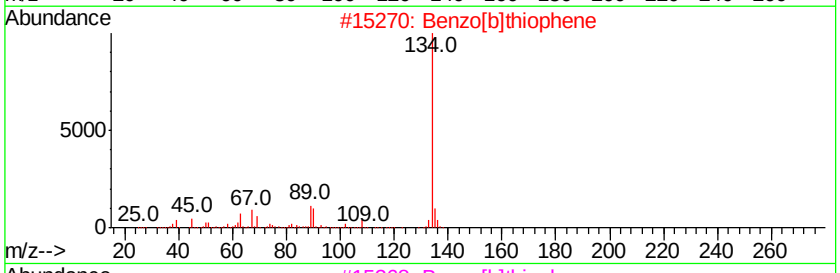
Peak Number 54 Benzo[c]thiophene Concentration Rank 22

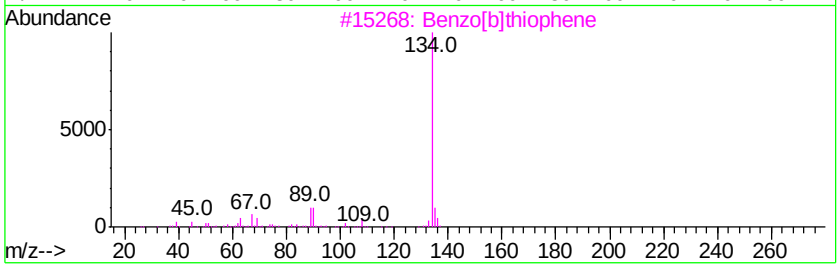
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	162.61 ug/L	11808900	1,4-Dichlorobenzene-d4	11.49

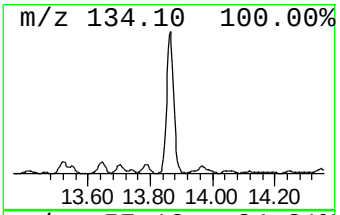
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	81
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	76
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	68
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	68
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	58

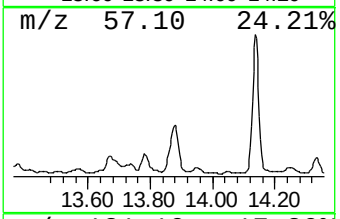


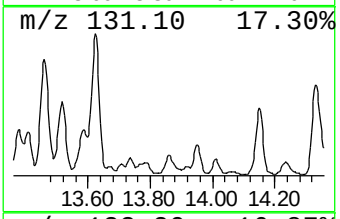


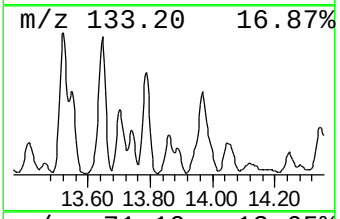


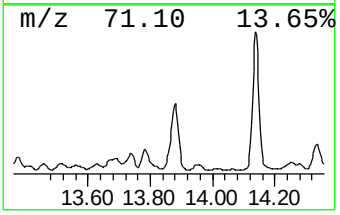












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

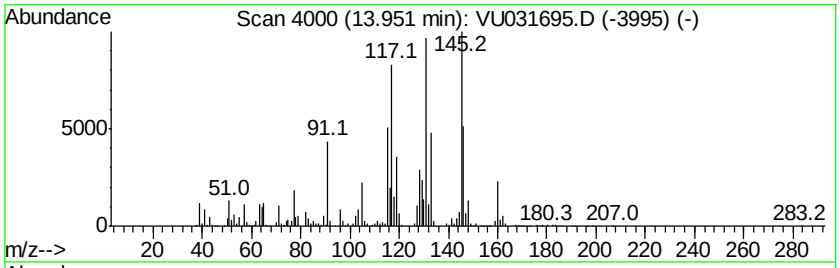
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

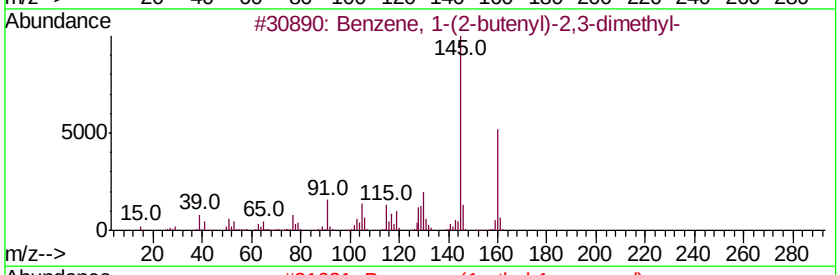
****

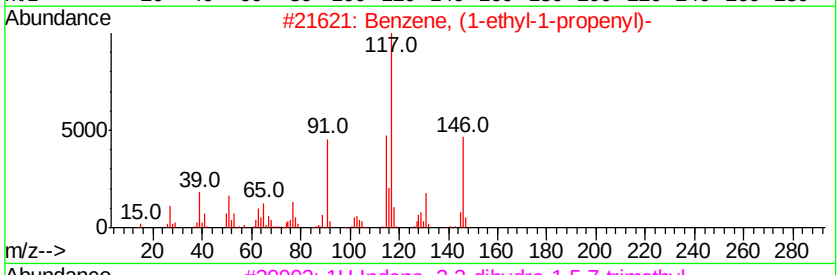
Peak Number 55 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 43

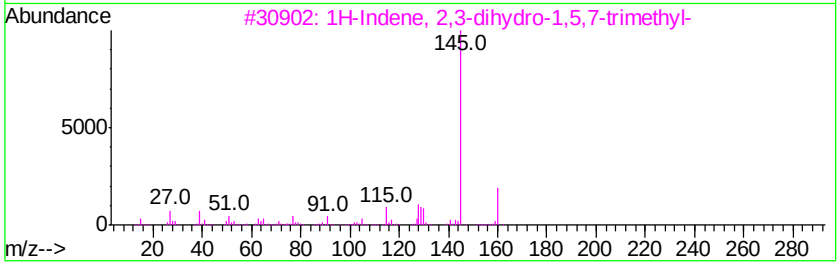
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	63.13 ug/L	4584660	1,4-Dichlorobenzene-d4	11.49

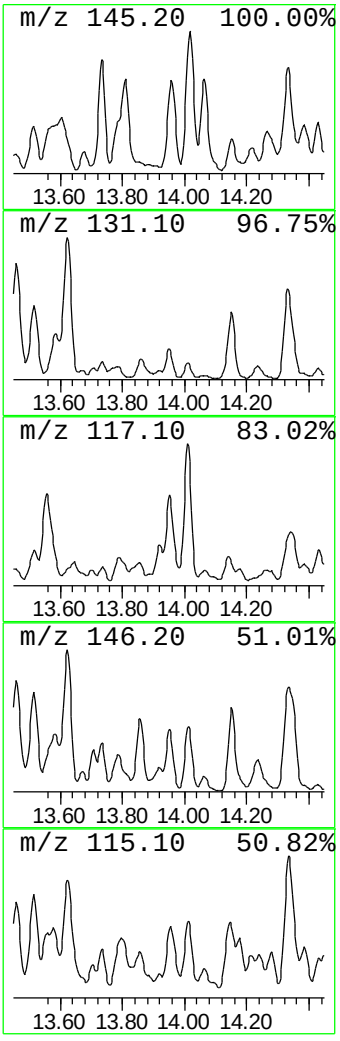
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
3	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	41











Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

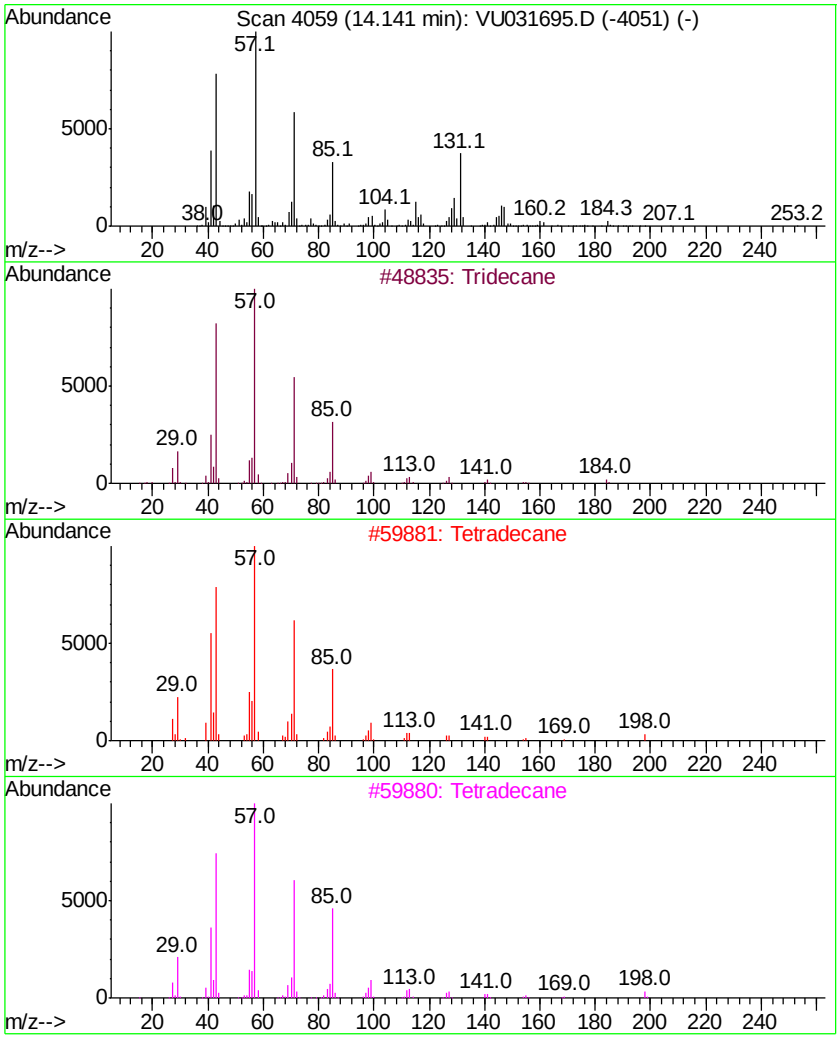
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

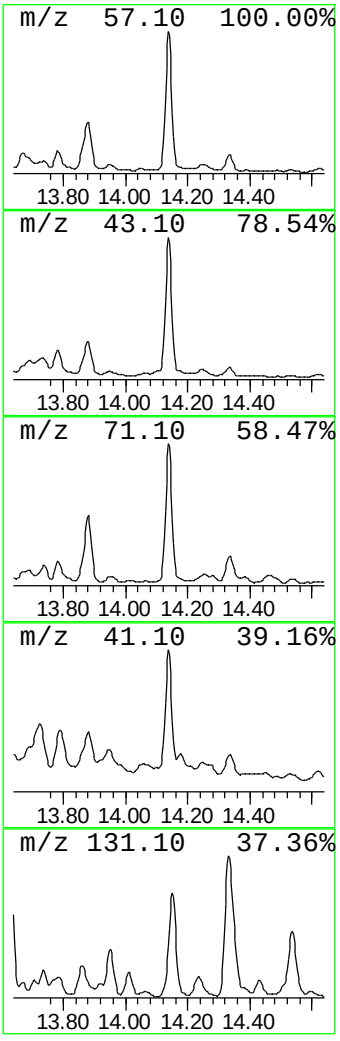
****

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	220.97 ug/L	16047400	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tetradecane	198	C14H30	000629-59-4	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	87
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

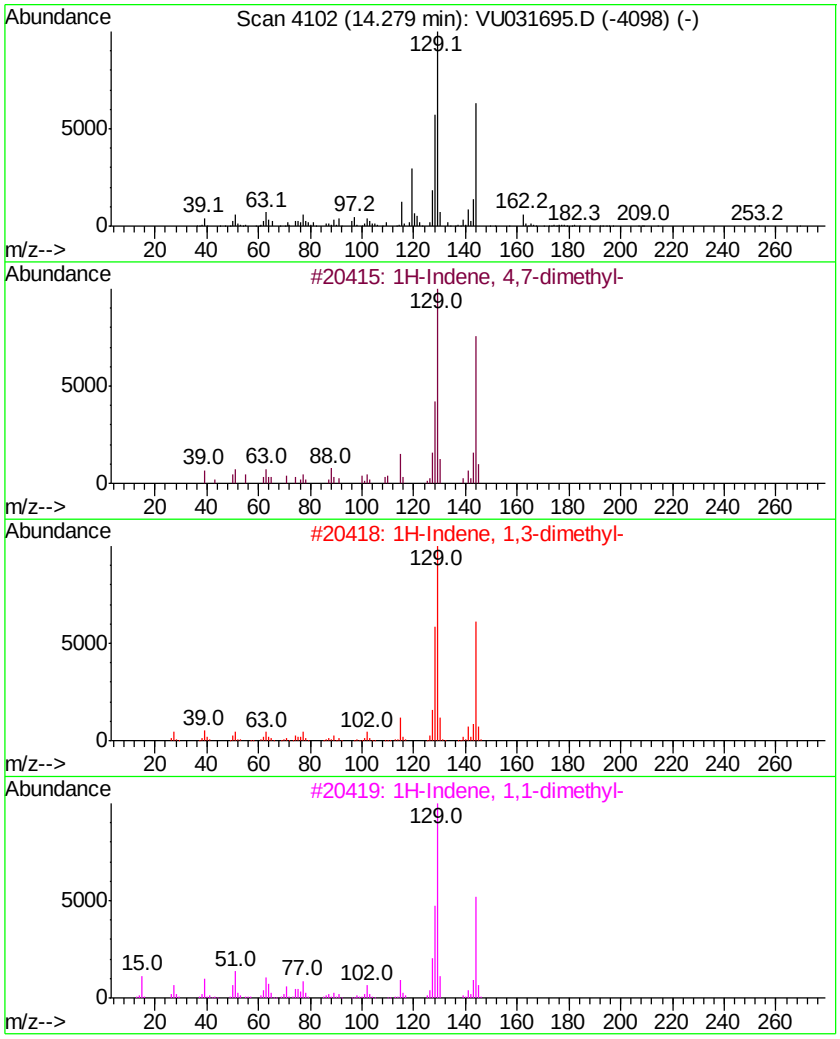
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

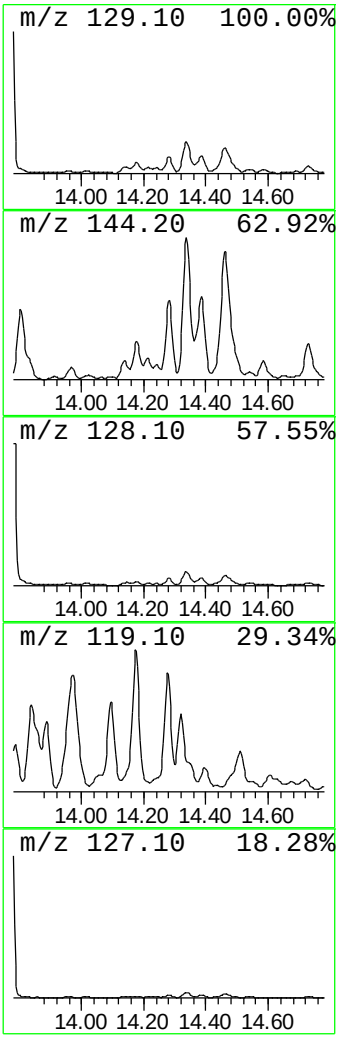
****

Peak Number 57 1H-Indene, 4,7-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	61.16 ug/L	4441840	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	80
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	74
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	72
4	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	72
5	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

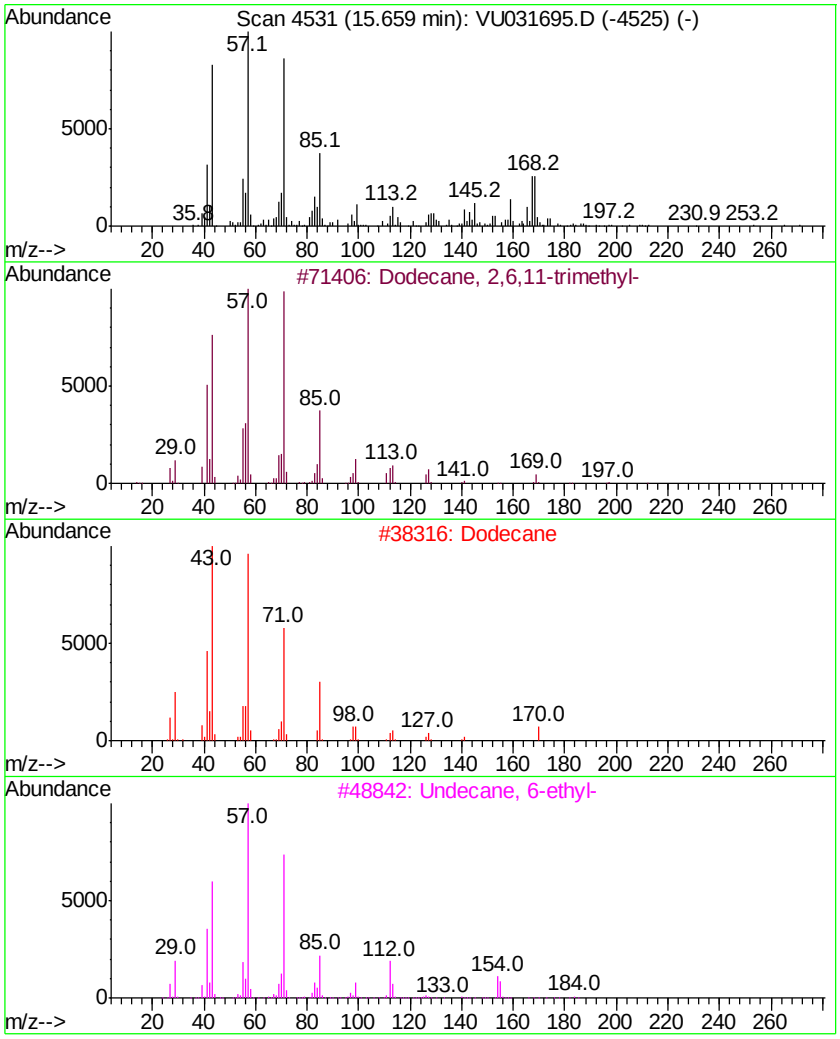
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

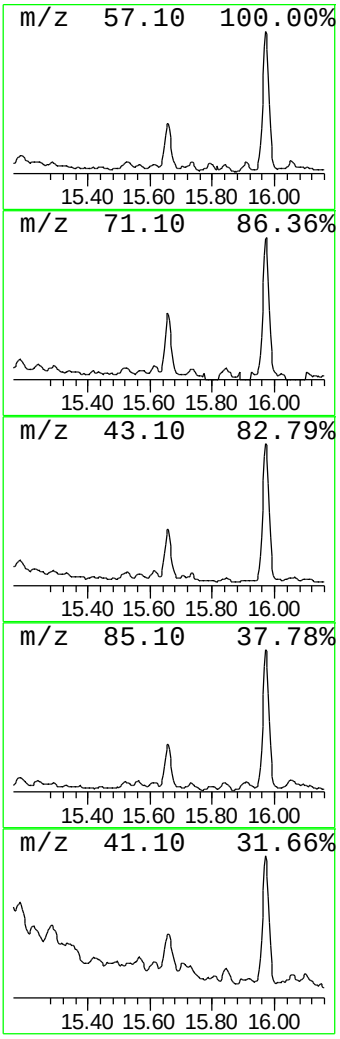
****

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	7.03 ug/L	510788	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
2	Dodecane	170	C12H26	000112-40-3	64
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	60
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

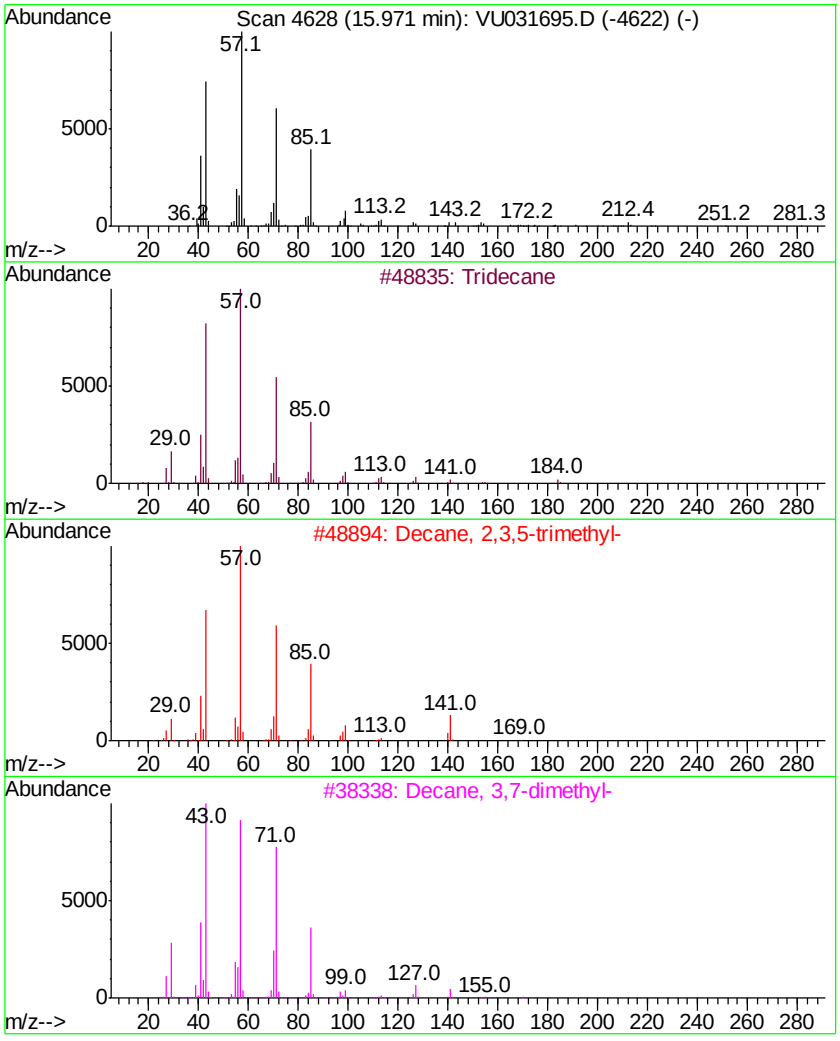
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

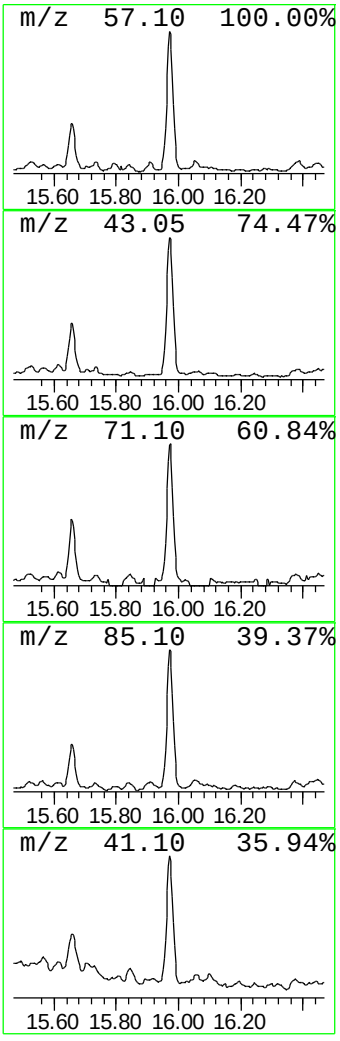
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	12.14 ug/L	881510	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Hexadecane	226	C16H34	000544-76-3	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

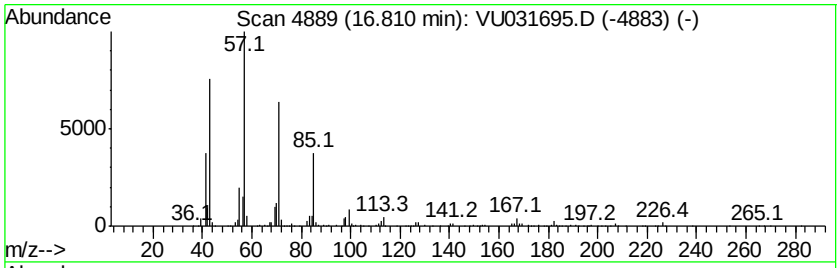
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

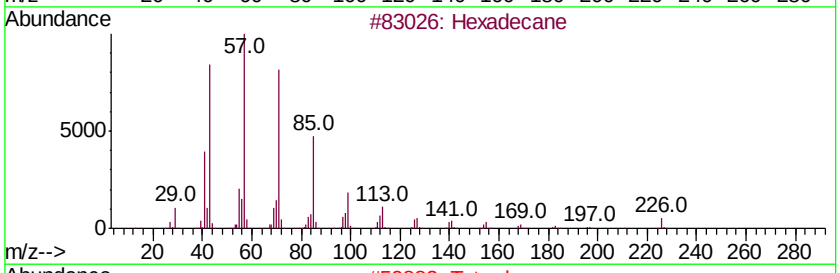
****

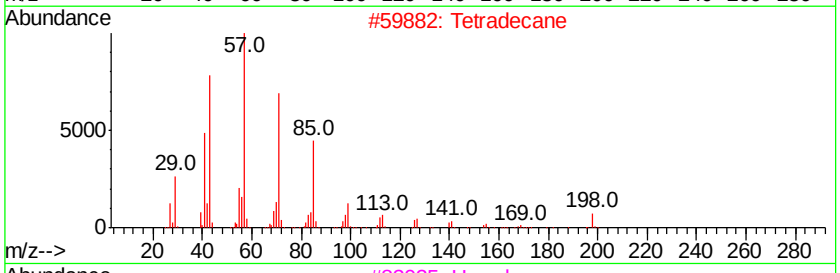
Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 72

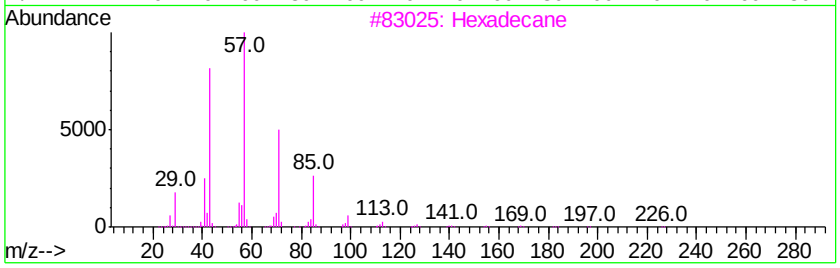
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	9.23 ug/L	670023	1,4-Dichlorobenzene-d4	11.49

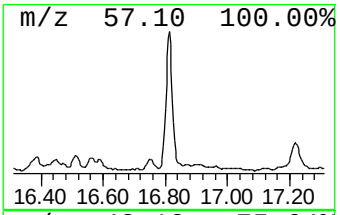
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Tetradecane	198	C14H30	000629-59-4	96
3	Hexadecane	226	C16H34	000544-76-3	95
4	Hexadecane	226	C16H34	000544-76-3	94
5	Hexadecane	226	C16H34	000544-76-3	94

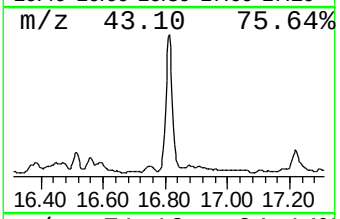


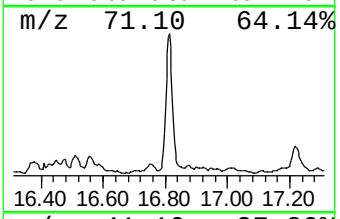


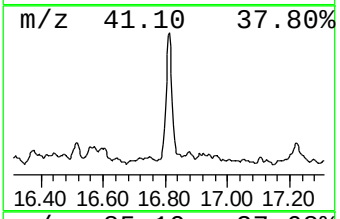


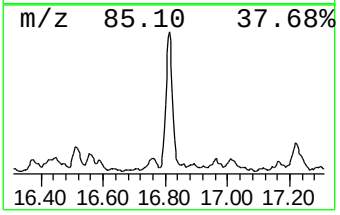












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.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: Cyc...	8.60	6.8	ug/L	404614	2	9.09	2964360	50.0
(DEL) Alkane: Cyc...	8.85	6.6	ug/L	388943	2	9.09	2964360	50.0
(DEL) Alkane: Str...	8.91	12.4	ug/L	736667	2	9.09	2964360	50.0
(DEL) Alkane: Str...	9.03	15.7	ug/L	928912	2	9.09	2964360	50.0
(DEL) Alkane: Str...	9.44	106.0	ug/L	6281540	2	9.09	2964360	50.0
(DEL) Alkane: Cyc...	9.56	9.5	ug/L	562825	2	9.09	2964360	50.0
(DEL) Alkane: Cyc...	9.72	25.3	ug/L	1498840	2	9.09	2964360	50.0
(DEL) Alkane: Str...	9.95	67.2	ug/L	3984930	2	9.09	2964360	50.0
(DEL) Alkane: Cyc...	10.04	46.5	ug/L	2756780	2	9.09	2964360	50.0
(DEL) Alkane: Str...	10.09	37.1	ug/L	2200460	2	9.09	2964360	50.0
(DEL) Alkane: Str...	10.25	14.6	ug/L	864962	2	9.09	2964360	50.0
(DEL) Alkane: Str...	10.32	33.9	ug/L	2463110	3	11.49	3631130	50.0
Benzene, propyl-	10.59	41.7	ug/L	3029490	3	11.49	3631130	50.0
Benzene, 1-ethyl-...	10.71	190.9	ug/L	13860900	3	11.49	3631130	50.0
Benzene, 1,2,3-tr...	10.77	232.1	ug/L	16856200	3	11.49	3631130	50.0
(DEL) Alkane: Str...	10.81	230.8	ug/L	16762100	3	11.49	3631130	50.0
Benzene, 1-ethyl-...	10.97	82.9	ug/L	6019020	3	11.49	3631130	50.0
(DEL) Alkane: Str...	11.07	11.1	ug/L	807182	3	11.49	3631130	50.0
Benzene, 1-etheny...	11.22	614.7	ug/L	44643100	3	11.49	3631130	50.0
(DEL) Alkane: Str...	11.33	39.4	ug/L	2863890	3	11.49	3631130	50.0
(DEL) Alkane: Cyc...	11.40	105.7	ug/L	7679360	3	11.49	3631130	50.0
Benzene, 2-propenyl-	11.63	76.3	ug/L	5538210	3	11.49	3631130	50.0
(DEL) Alkane: Str...	11.70	26.5	ug/L	1925250	3	11.49	3631130	50.0
Indane	11.77	147.5	ug/L	10709100	3	11.49	3631130	50.0
Benzene, 1-methyl...	11.81	78.5	ug/L	5700260	3	11.49	3631130	50.0
Indene	11.99	1654.8	ug/L	120175000	3	11.49	3631130	50.0
(DEL) Alkane: Str...	12.02	229.1	ug/L	16633900	3	11.49	3631130	50.0
Benzene, 1-ethyl-...	12.15	61.2	ug/L	4441990	3	11.49	3631130	50.0
Benzene, 1-methyl...	12.18	110.8	ug/L	8048010	3	11.49	3631130	50.0
Benzene, 1-ethyl-...	12.25	146.3	ug/L	10626000	3	11.49	3631130	50.0
Benzene, 1-etheny...	12.31	89.1	ug/L	6470980	3	11.49	3631130	50.0
Indan, 1-methyl-	12.36	72.5	ug/L	5268680	3	11.49	3631130	50.0
2,4-Dimethylstyrene	12.43	282.8	ug/L	20537800	3	11.49	3631130	50.0
(DEL) Alkane: Cyc...	12.61	129.0	ug/L	9365850	3	11.49	3631130	50.0
Benzene, 1,2,4,5-...	12.65	125.8	ug/L	9132810	3	11.49	3631130	50.0
Benzene, 1-etheny...	12.82	185.8	ug/L	13489300	3	11.49	3631130	50.0
1-Phenyl-1-butene	12.96	138.3	ug/L	10041300	3	11.49	3631130	50.0
2-Methyl-7-endo-v...	13.04	60.8	ug/L	4418470	3	11.49	3631130	50.0
Benzene, 2-ethyl-...	13.09	23.4	ug/L	1697620	3	11.49	3631130	50.0
Benzene, 2-butenyl-	13.13	868.9	ug/L	63102600	3	11.49	3631130	50.0
2-Methylindene	13.19	910.4	ug/L	66118200	3	11.49	3631130	50.0
1H-Indene, 1-methyl-	13.29	1360.8	ug/L	98828700	3	11.49	3631130	50.0
Cycloprop[a]inden...	13.39	188.1	ug/L	13661900	3	11.49	3631130	50.0
1H-Indene, 2,3-di...	13.46	103.0	ug/L	7482150	3	11.49	3631130	50.0
1H-Indene, 2,3-di...	13.63	160.8	ug/L	11679900	3	11.49	3631130	50.0
Azulene	13.77	5543.7	ug/L	402599000	3	11.49	3631130	50.0
Benzo[c]thiophene	13.86	162.6	ug/L	11808900	3	11.49	3631130	50.0
Benzene, 1-(2-but...	13.95	63.1	ug/L	4584660	3	11.49	3631130	50.0
(DEL) Alkane: Str...	14.14	221.0	ug/L	16047400	3	11.49	3631130	50.0

1H-Indene, 4,7-di...	14.28	61.2	ug/L	4441840	3	11.49	3631130	50.0
(DEL) Alkane: Str...	15.66	7.0	ug/L	510788	3	11.49	3631130	50.0
(DEL) Alkane: Str...	15.97	12.1	ug/L	881510	3	11.49	3631130	50.0
(DEL) Alkane: Str...	16.81	9.2	ug/L	670023	3	11.49	3631130	50.0

Instrument :
MSVOA_U
ClientSampleId :
GAJ68