LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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	1.395	87	95	107	rBV	346032	395838	0.20%	0.047%
2	1.678	176	183	195	rBV	309112	397258	0.20%	0.048%
3	2.264	354	365	379	rVV	666058	1027445	0.53%	0.123%
4	4.196	951	966	1014	rBV2	321444	1198165	0.61%	0.143%
5	4.643	1087	1105	1128	rBV	552154	1346313	0.69%	0.161%
6	5.334	1295	1320	1330	rBV2	1181027	3516187	1.80%	0.421%
7	5.881	1476	1490	1516	rBV	1238055	2500212	1.28%	0.299%
8	6.324	1613	1628	1645	rBV	806655	1641349	0.84%	0.196%
9	7.225	1898	1908	1935	rVB	441949	824575	0.42%	0.099%
10	7.559	1991	2012	2025	rBV	1467298	2696498	1.38%	0.323%
11	7.633	2025	2035	2053	rVB	768680	1401832	0.72%	0.168%
12	7.816	2083	2092	2095	rBV2	136451	186237	0.10%	0.022%
13	7.849	2096	2102	2115	rVV2	303172	513212	0.26%	0.061%
14	8.318	2233	2248	2279	rBV	1401699	2839543	1.45%	0.340%
15	8.906	2423	2431	2441	rVB2	135038	220672	0.11%	0.026%
16	9.029	2456	2469	2476	rBV2	153359	252566	0.13%	0.030%
17	9.086	2476	2487	2509	rVV	1770098	2940080	1.50%	0.352%
18	9.247	2525	2537	2558	rBV	1839599	3125286	1.60%	0.374%
19	9.369	2561	2575	2589	rVV	10694566	18134484	9.27%	2.170%
20	9.440	2589	2597	2622	rVB	1009999	1704177	0.87%	0.204%
21	9.713	2670	2682	2690	rBV6	152686	313766	0.16%	0.038%
22	9.784	2690	2704	2737	rVB3	10510155	20961659	10.71%	2.508%
23	9.948	2738	2755	2765	rBV2	406399	746803	0.38%	0.089%
24	10.041	2776	2784	2791	rBV3	264333	420028	0.21%	0.050%
25	10.086	2792	2798	2810	rVB	276864	431641	0.22%	0.052%
26	10.160	2811	2821	2830	rBV4	161901	290685	0.15%	0.035%
27	10.318	2858	2870	2875	rBV4	238859	419812	0.21%	0.050%
28	10.430	2894	2905	2916	rBV	1231070	2291044	1.17%	0.274%
29	10.485	2917	2922	2941	rVB4	306567	655440	0.33%	0.078%
30	10.585	2943	2953	2961	rBV	508233	786061	0.40%	0.094%
31	10.678	2972	2982	2997	rBV	2273888	4986057	2.55%	0.597%
32	10.768	2997	3010	3017	rVV	2549930	4686043	2.39%	0.561%
33	10.810	3017	3023	3035	rVB	2274873	3240972	1.66%	0.388%
34	10.971	3063	3073	3075	rBV	907944	1247134	0.64%	0.149%

LSC Area Percent Report

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ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

35	10.993	3076	3080	3092	rVB	1356421	1920911	0.98%	0.230%
36	11.144	3109	3127	3138	rBV	8436559	13752563	7.03%	1.645%
37	11.212	3138	3148	3157	rBV	9994789	14749728	7.54%	1.765%
38	11.260	3157	3163	3176	rVB	3551360	5237968	2.68%	0.627%
39	11.328	3179	3184	3195	rVB7	290492	494904	0.25%	0.059%
40	11.395	3196	3205	3213	rBV2	865629	1535908	0.78%	0.184%
41	11.479	3222	3231	3241	rBV	1987363	2988039	1.53%	0.358%
42	11.565	3250	3258	3267	rBV	2818282	4054209	2.07%	0.485%
43	11.620	3267	3275	3285	rVB	1341564	2041843	1.04%	0.244%
44	11.697	3293	3299	3309	rVB3	253361	373494	0.19%	0.045%
45	11.762	3309	3319	3328	rBV2	1397563	2570843	1.31%	0.308%
46	11.807	3328	3333	3340	rVV	689344	971230	0.50%	0.116%
47	11.861	3340	3350	3366	rVB5	2590943	5500549	2.81%	0.658%
48	11.977	3374	3386	3395	rBV2	32602131	51274067	26.20%	6.135%
49	12.019	3395	3399	3408	rVB	2835564	3663196	1.87%	0.438%
50	12.144	3430	3438	3441	rBV	598823	839469	0.43%	0.100%
51	12.173	3442	3447	3454	rVB3	848278	1121372	0.57%	0.134%
52	12.218	3454	3461	3465	rBV2	804667	1163292	0.59%	0.139%
53	12.302	3478	3487	3496	rVB3	777561	1410406	0.72%	0.169%
54	12.353	3497	3503	3508	rBV2	435490	604303	0.31%	0.072%
55	12.421	3516	3524	3535	rVB	2966551	4844102	2.48%	0.580%
56	12.482	3535	3543	3557	rBV4	1006697	2304631	1.18%	0.276%
57	12.607	3572	3582	3587	rBV2	1078281	1755391	0.90%	0.210%
58	12.643	3588	3593	3601	rVB2	1164749	1645606	0.84%	0.197%
59	12.700	3601	3611	3631	rBV4	2830826	6767719	3.46%	0.810%
60	12.819	3640	3648	3659	rBV2	2199228	3567172	1.82%	0.427%
61	12.958	3684	3691	3706	rVB	1076981	1627138	0.83%	0.195%
62	13.028	3707	3713	3722	rBV4	384293	628574	0.32%	0.075%
63	13.080	3723	3729	3732	rVV3	447458	558301	0.29%	0.067%
64	13.118	3732	3741	3751	rVV3	6124752	10275659	5.25%	1.229%
65	13.180	3751	3760	3772	rVB	10919514	16994792	8.68%	2.033%
66	13.286	3782	3793	3812	rBV	13216946	22528130	11.51%	2.695%
67	13.382	3813	3823	3837	rVB2	1284033	3139111	1.60%	0.376%
68	13.456	3839	3846	3853	rVB	581976	792704	0.41%	0.095%
69	13.507	3854	3862	3869	rBV3	972360	1567968	0.80%	0.188%
70	13.617	3889	3896	3908	rBV2	607304	1353518	0.69%	0.162%
71	13.752	3921	3938	3960	rVB3	103404591	195698273	100.00%	23.414%

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Instrument : MSVOA_U
ClientSampleId : GAJ69

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

72	13.858	3963	3971	3986	rVB2	2097945	3843869	1.96%	0.460%
73	13.951	3994	4000	4010	rVB9	491129	794214	0.41%	0.095%
74	14.138	4050	4058	4065	rBV2	2770362	4095153	2.09%	0.490%
75	14.276	4096	4101	4109	rVB	1188335	1644137	0.84%	0.197%
76	14.334	4109	4119	4129	rBV4	3429423	6613220	3.38%	0.791%
77	14.462	4151	4159	4174	rVB3	1962494	4197660	2.14%	0.502%
78	14.540	4177	4183	4191	rVB4	848920	1309180	0.67%	0.157%
79	14.585	4191	4197	4213	rVB4	701008	1528081	0.78%	0.183%
80	14.729	4236	4242	4256	rVB4	1527691	2836348	1.45%	0.339%
81	14.816	4263	4269	4275	rBV3	779428	1086359	0.56%	0.130%
82	14.880	4275	4289	4302	rVV3	82514147	145596615	74.40%	17.420%
83	15.060	4333	4345	4361	rBV3	48230399	77883163	39.80%	9.318%
84	15.601	4503	4513	4524	rVB	5635877	8943836	4.57%	1.070%
85	15.662	4525	4532	4541	rVB3	905911	1428162	0.73%	0.171%
86	15.794	4564	4573	4581	rBV	4880434	7560949	3.86%	0.905%
87	15.909	4597	4609	4624	rBV	16530779	28294000	14.46%	3.385%
88	16.054	4643	4654	4661	rBV	13650023	21559968	11.02%	2.580%
89	16.093	4661	4666	4681	rVB	7011983	10279370	5.25%	1.230%
90	16.183	4685	4694	4706	rVB	2876388	4649623	2.38%	0.556%
91	16.279	4707	4724	4735	rBV2	2900471	7138231	3.65%	0.854%
92	16.427	4761	4770	4786	rVB	1223833	1946234	0.99%	0.233%
93	16.517	4787	4798	4817	rVB	5258573	8877405	4.54%	1.062%
94	16.623	4826	4831	4843	rVB3	366730	578970	0.30%	0.069%
95	16.732	4856	4865	4870	rBV	461045	733532	0.37%	0.088%
96	16.967	4933	4938	4945	rVB2	185410	239026	0.12%	0.029%
97	17.015	4946	4953	4980	rVB4	250561	687885	0.35%	0.082%
98	17.163	4991	4999	5009	rVB2	233663	351983	0.18%	0.042%
99	17.224	5011	5018	5028	rVB3	163430	250930	0.13%	0.030%
100	17.530	5104	5113	5127	rBV4	104153	207561	0.11%	0.025%

Sum of corrected areas: 835811821

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
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Sample : K2603-17 5X
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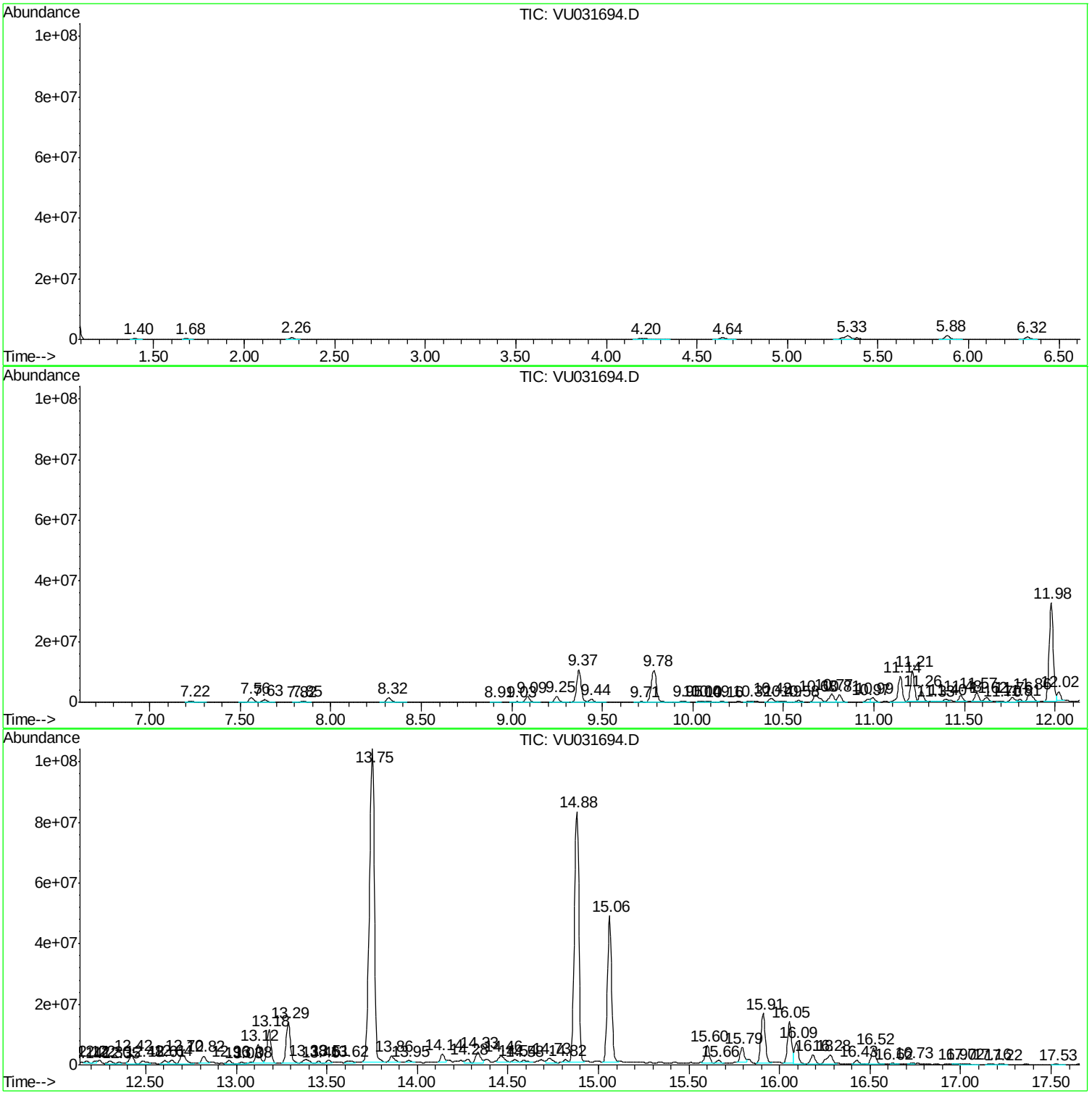
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

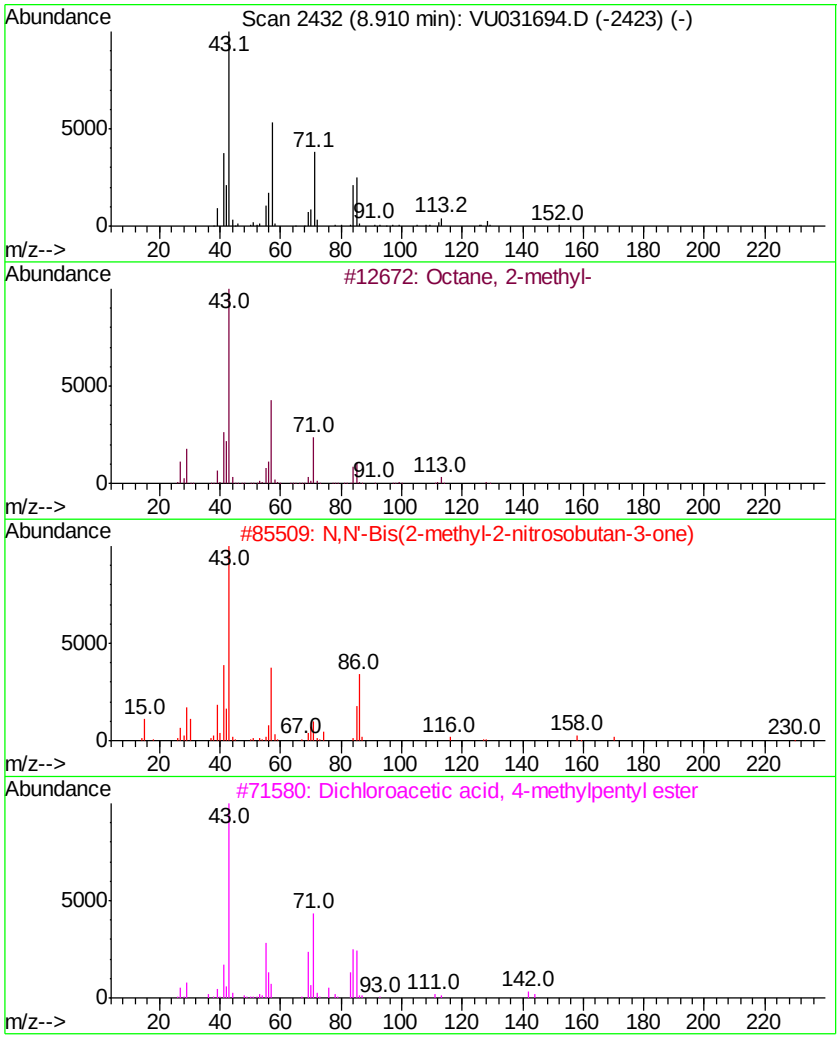
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

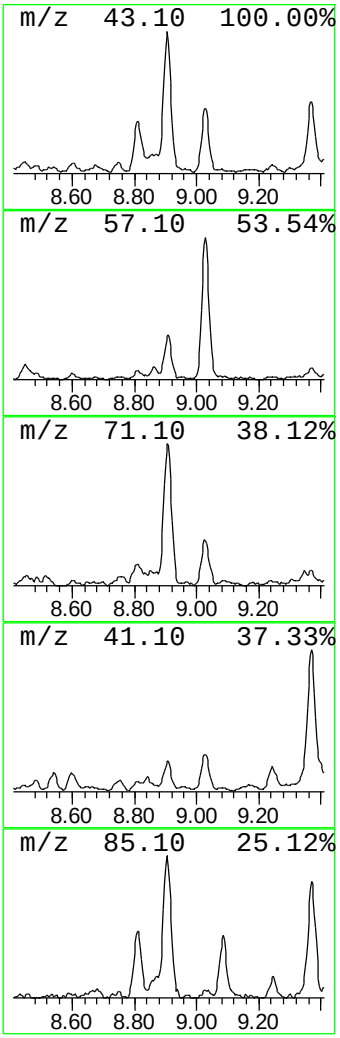
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	3.75 ug/L	220672	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	87
2	N,N'-Bis(2-methyl-2-nitrosobutan...	230	C10H18N2O4	034946-73-1	59
3	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	59
4	Octane, 2-methyl-	128	C9H20	003221-61-2	53
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
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Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

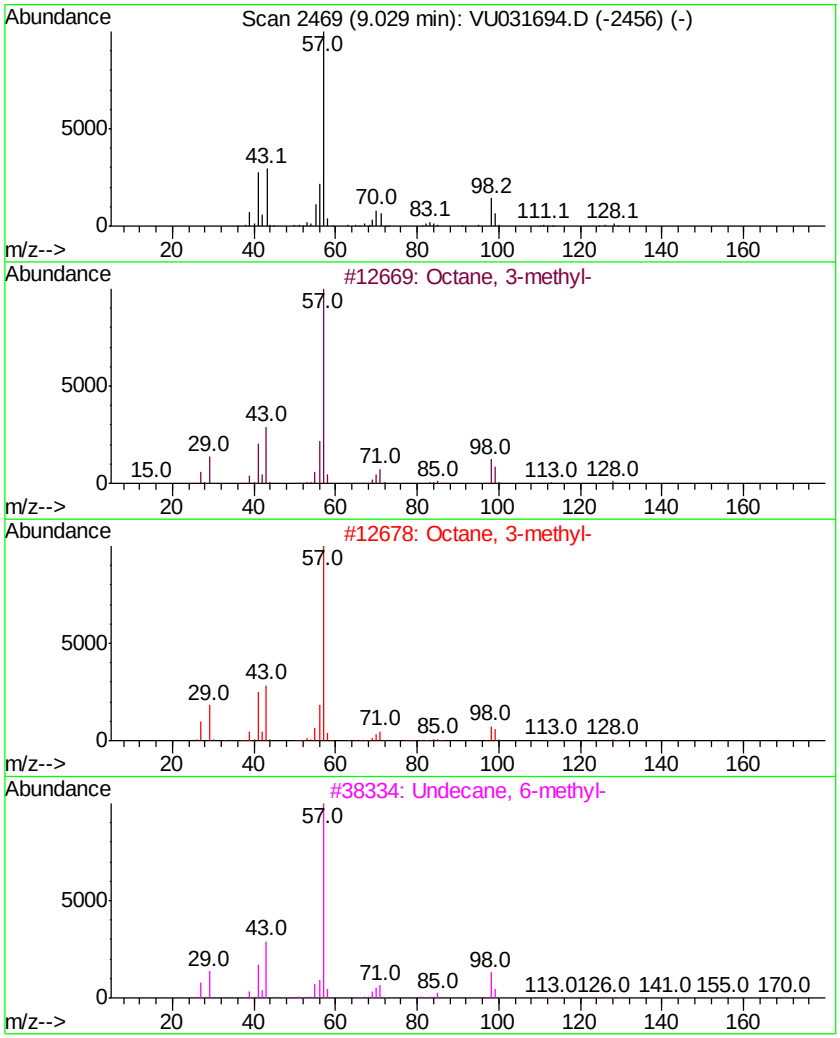
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

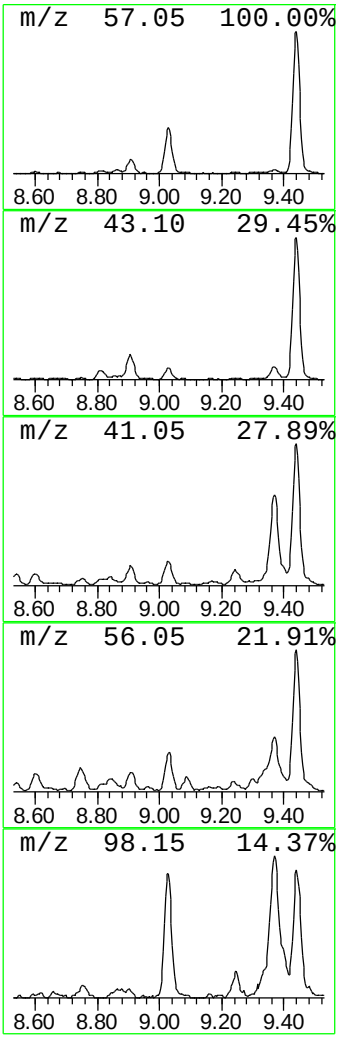
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	4.30 ug/L	252566	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	83
2	Octane, 3-methyl-	128	C9H20	002216-33-3	80
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59





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Operator : JC/SP
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ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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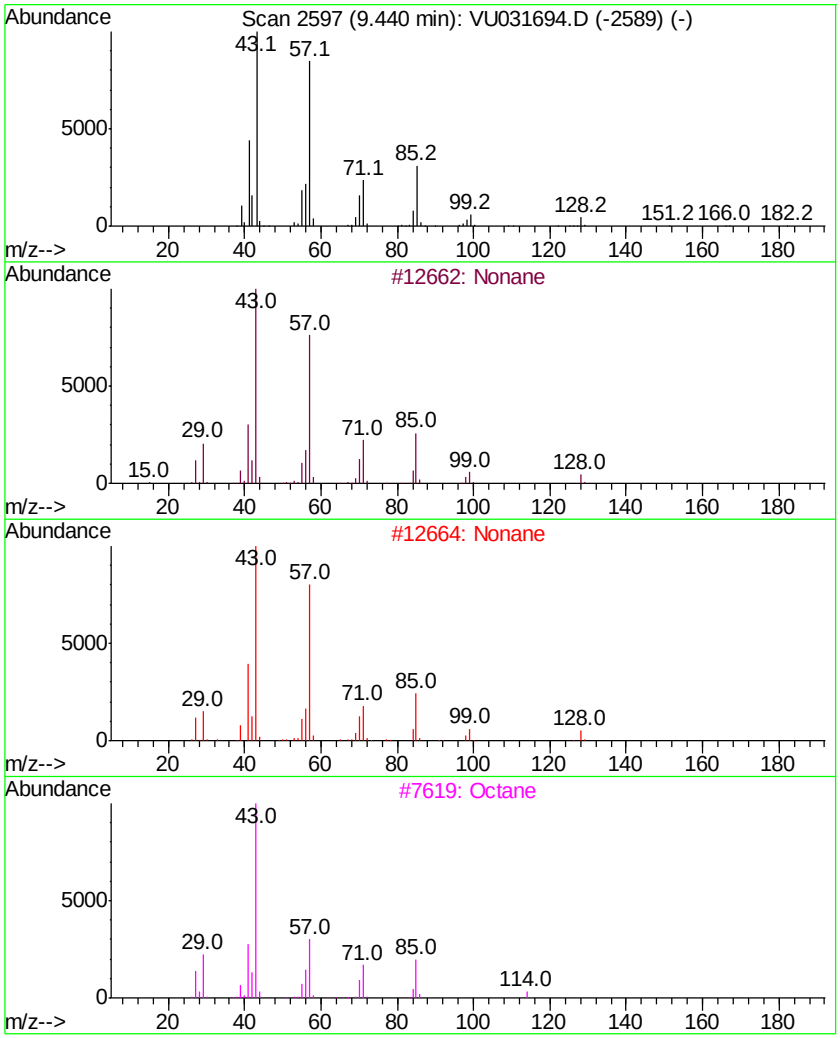
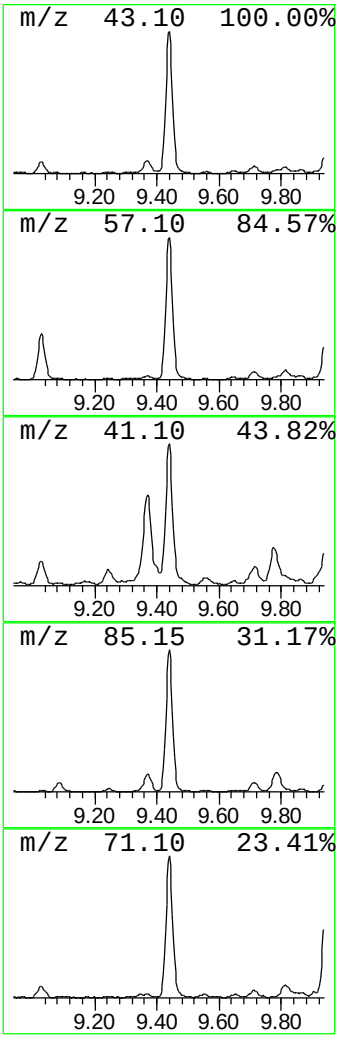
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	28.98 ug/L	1704180	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	91
3	Octane	114	C8H18	000111-65-9	72
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
5	Decane	142	C10H22	000124-18-5	64





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Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

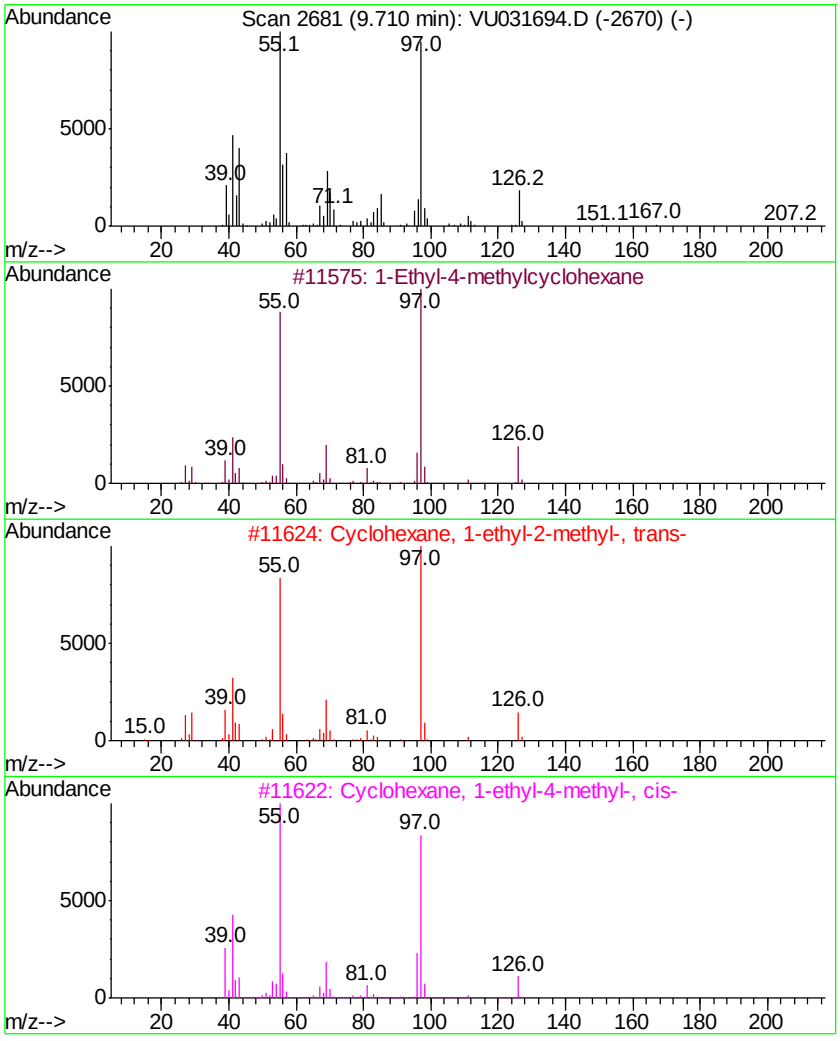
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

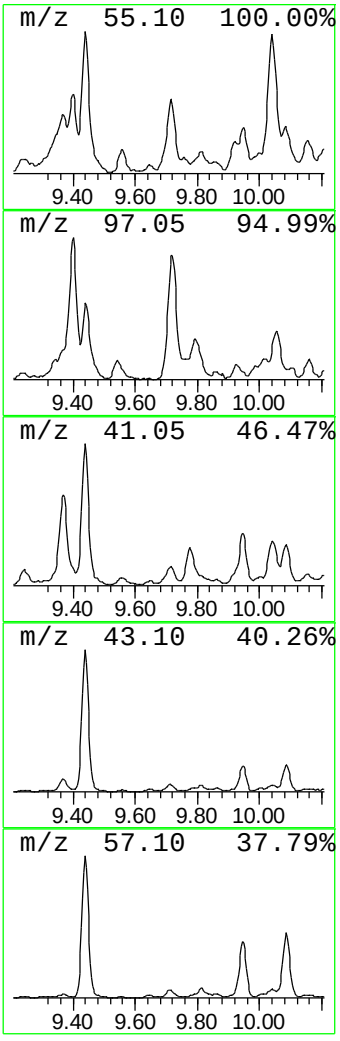
****

Peak Number 5 (DEL) Alkane: Cyclic9.71 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	5.34 ug/L	313766	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
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Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

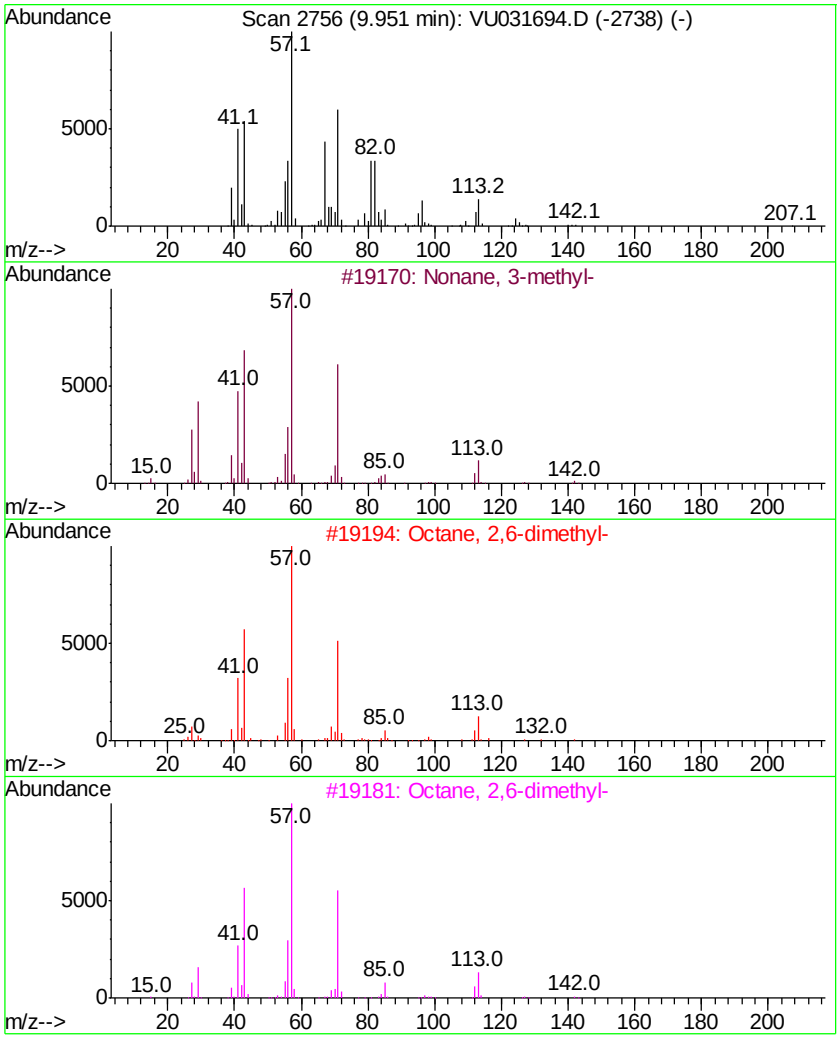
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

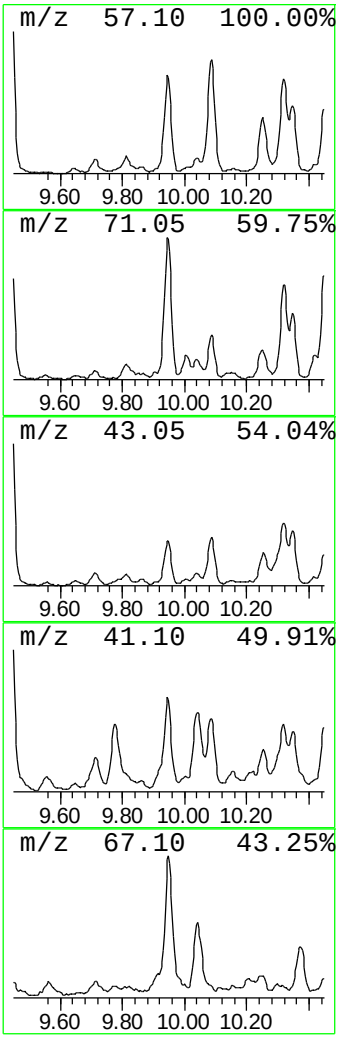
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	12.70 ug/L	746803	Chlorobenzene-d5	9.09

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

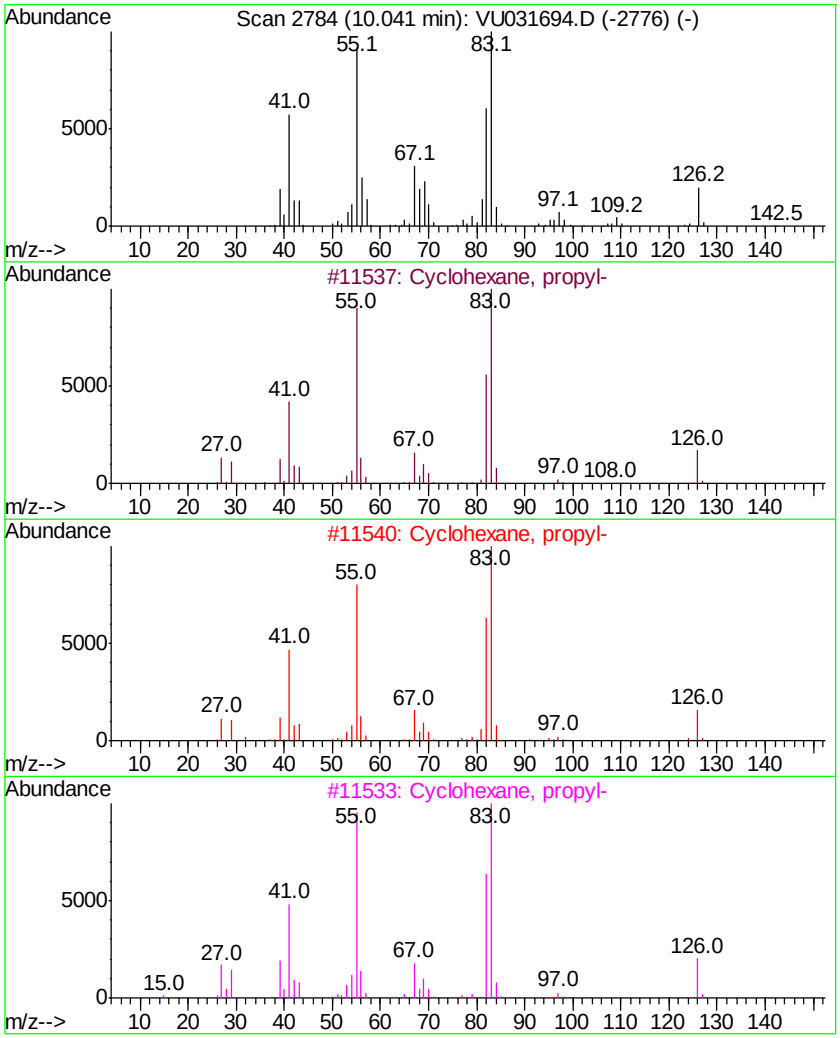
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

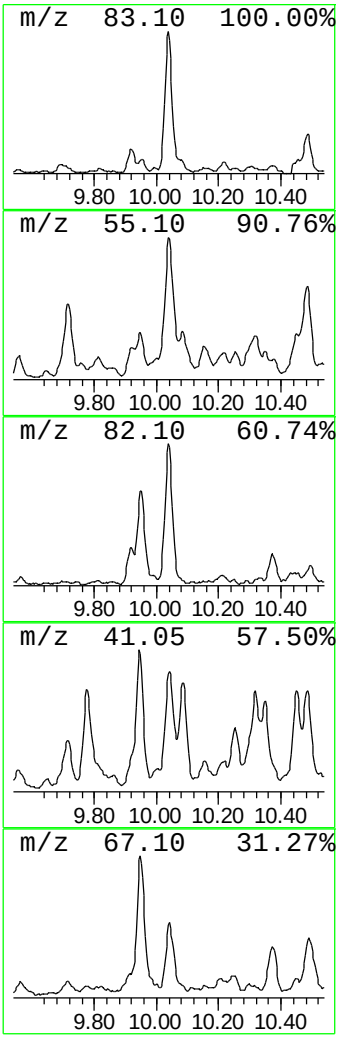
****

Peak Number 7 (DEL) Alkane: Cyclic10.04 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	7.14 ug/L	420028	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

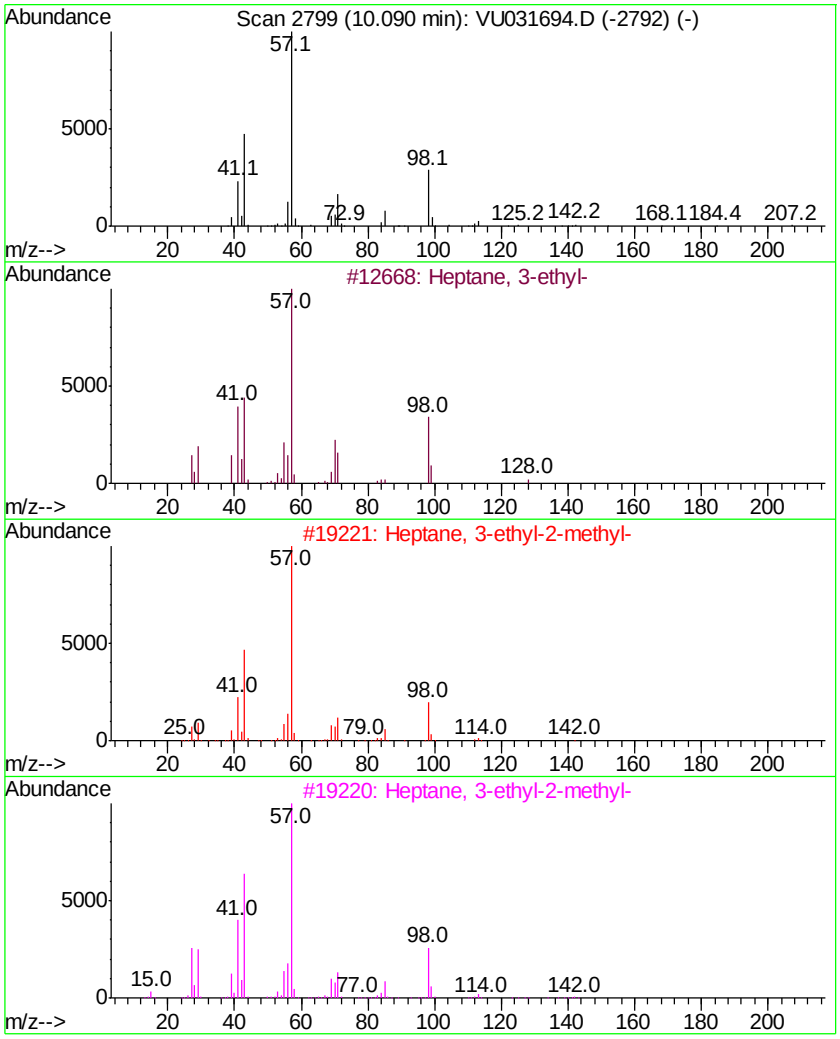
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

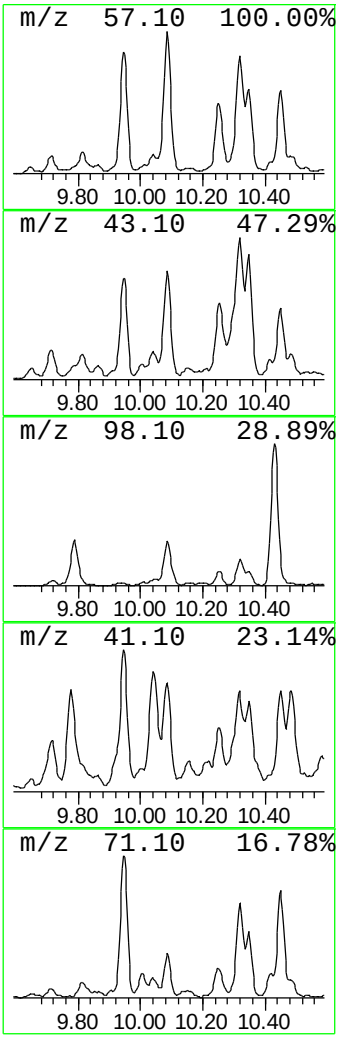
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	7.34 ug/L	431641	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50
5	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

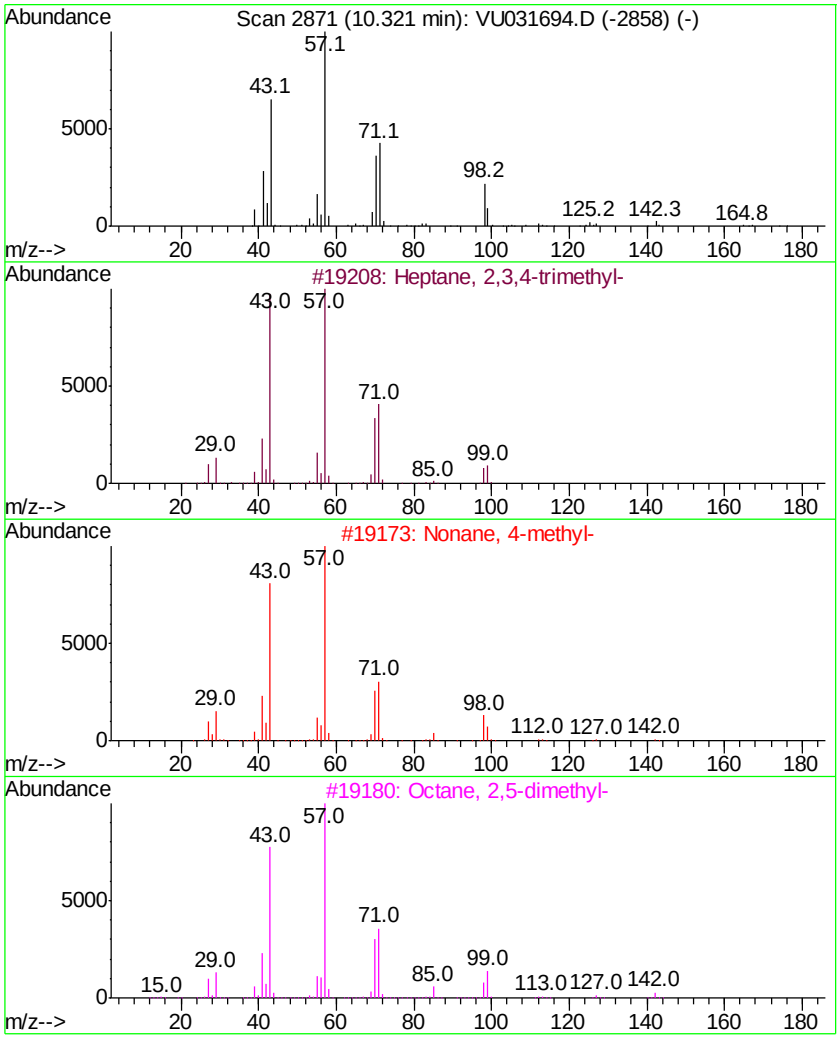
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

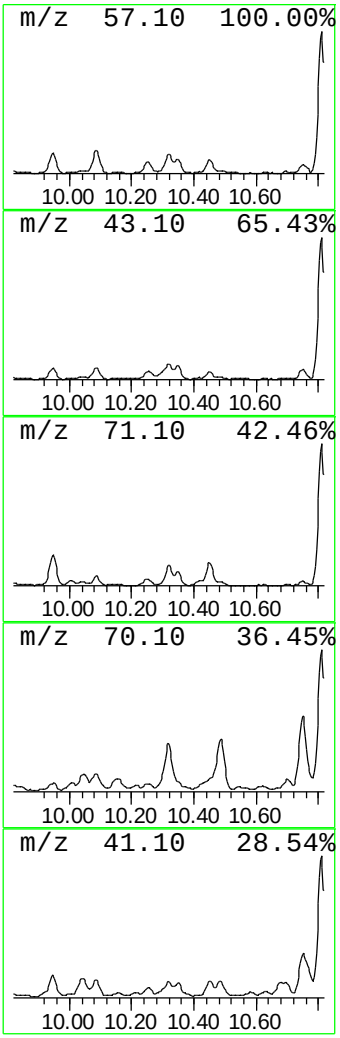
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	7.02 ug/L	419812	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	72
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
4	Nonane, 2-methyl-	142	C10H22	000871-83-0	50
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

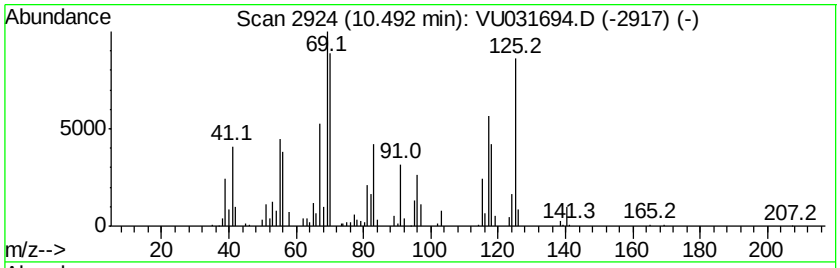
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

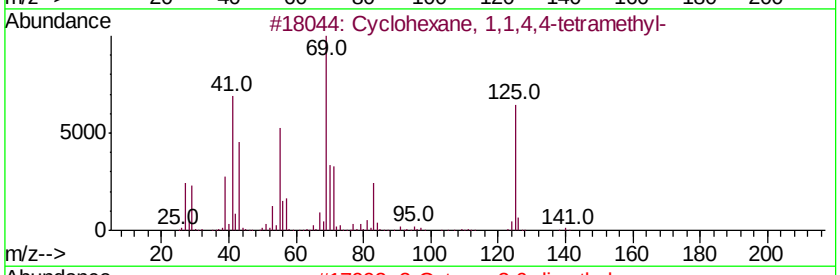
****

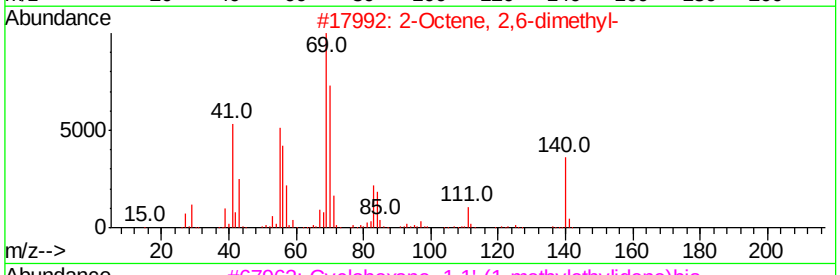
Peak Number 10 (DEL) Alkane: Cyclic10.49 Concentration Rank 63

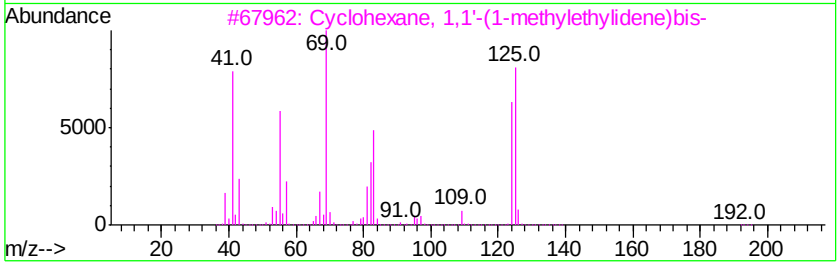
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	10.97 ug/L	655440	1,4-Dichlorobenzene-d4	11.48

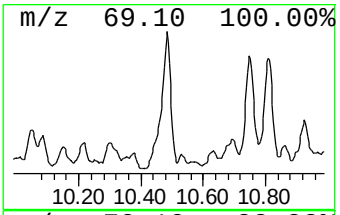
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	59
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
3	Cyclohexane, 1,1'-(1-methylethyl...	208	C15H28	054934-90-6	43
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	38
5	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	32

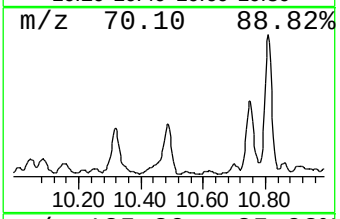


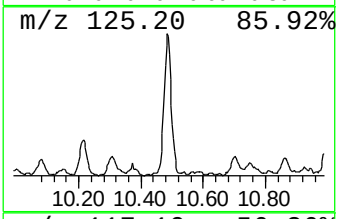


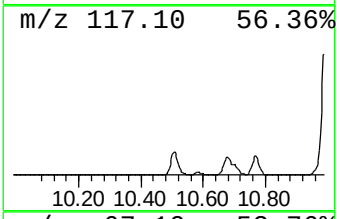


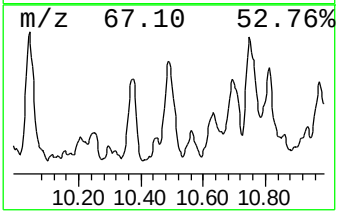












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

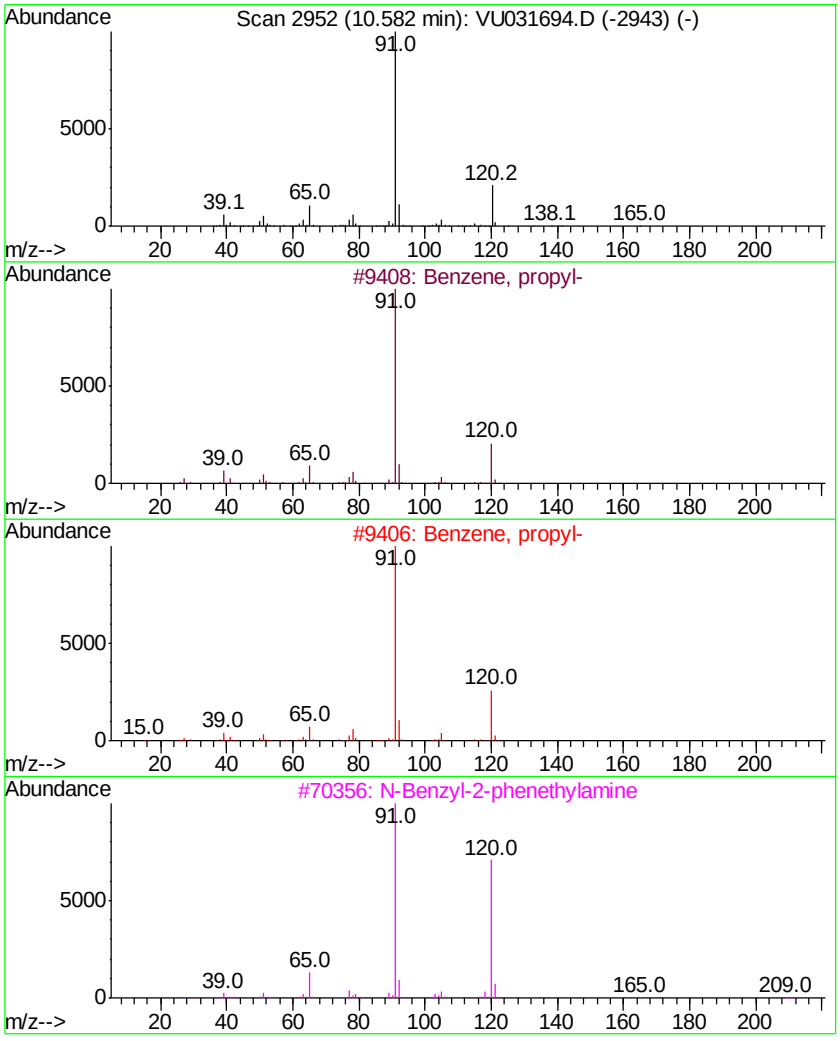
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

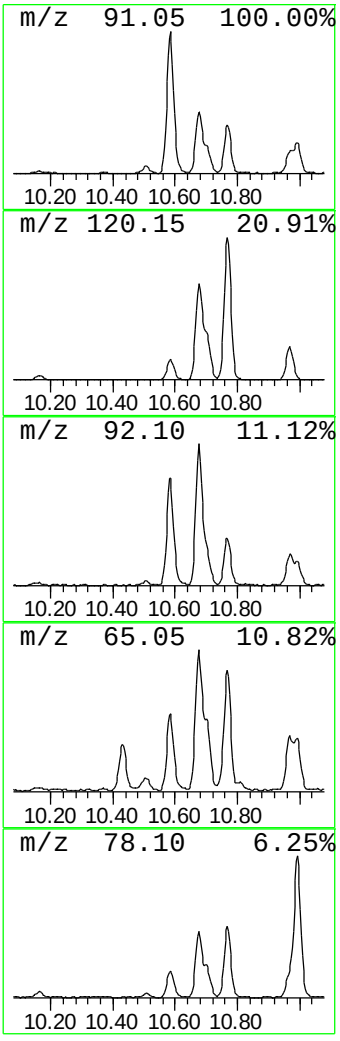
****

Peak Number 11 Benzene, propyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	13.15 ug/L	786061	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

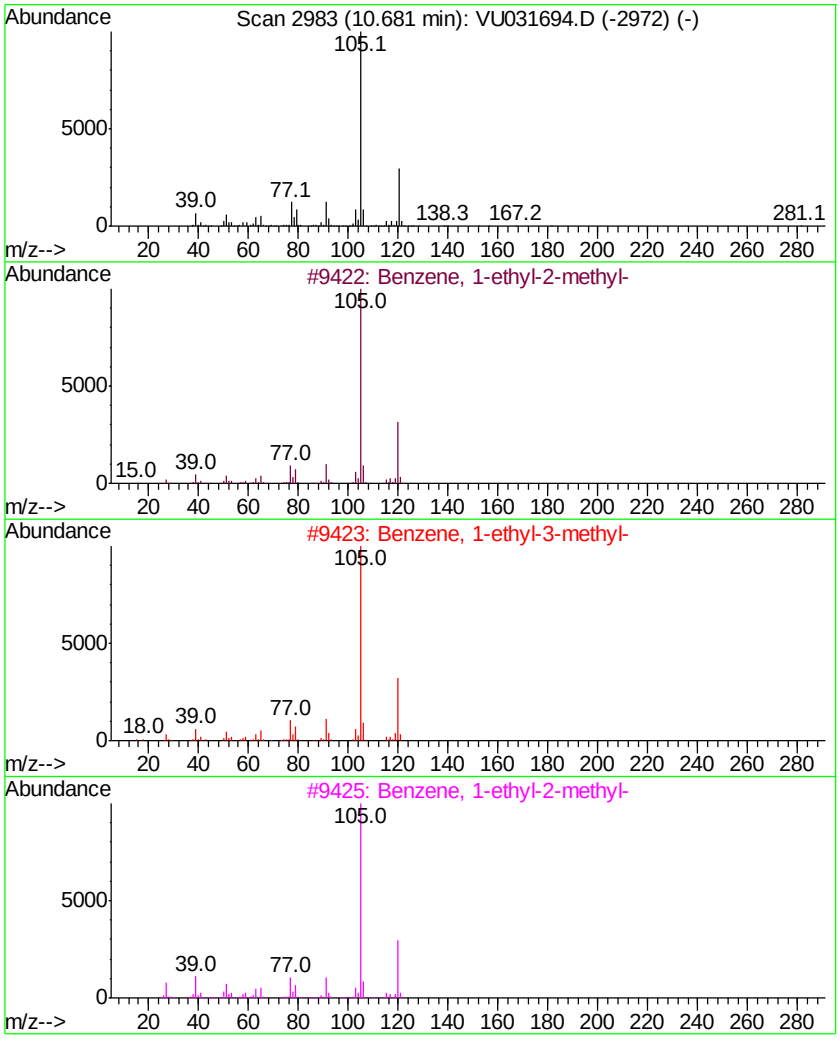
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

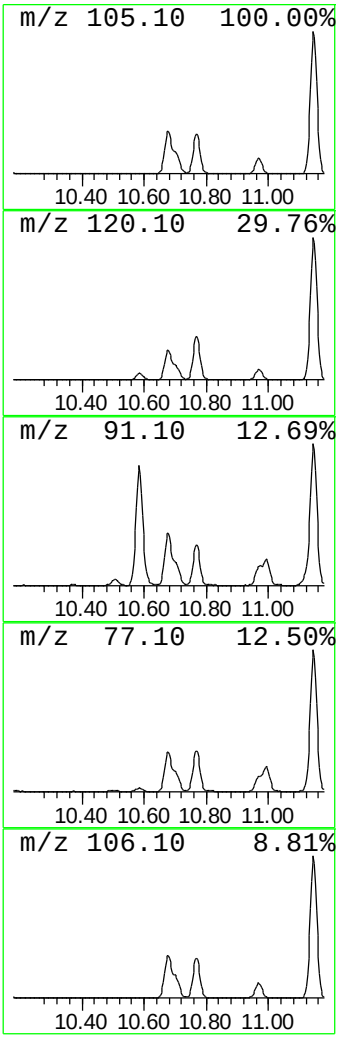
****

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	83.43 ug/L	4986060	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

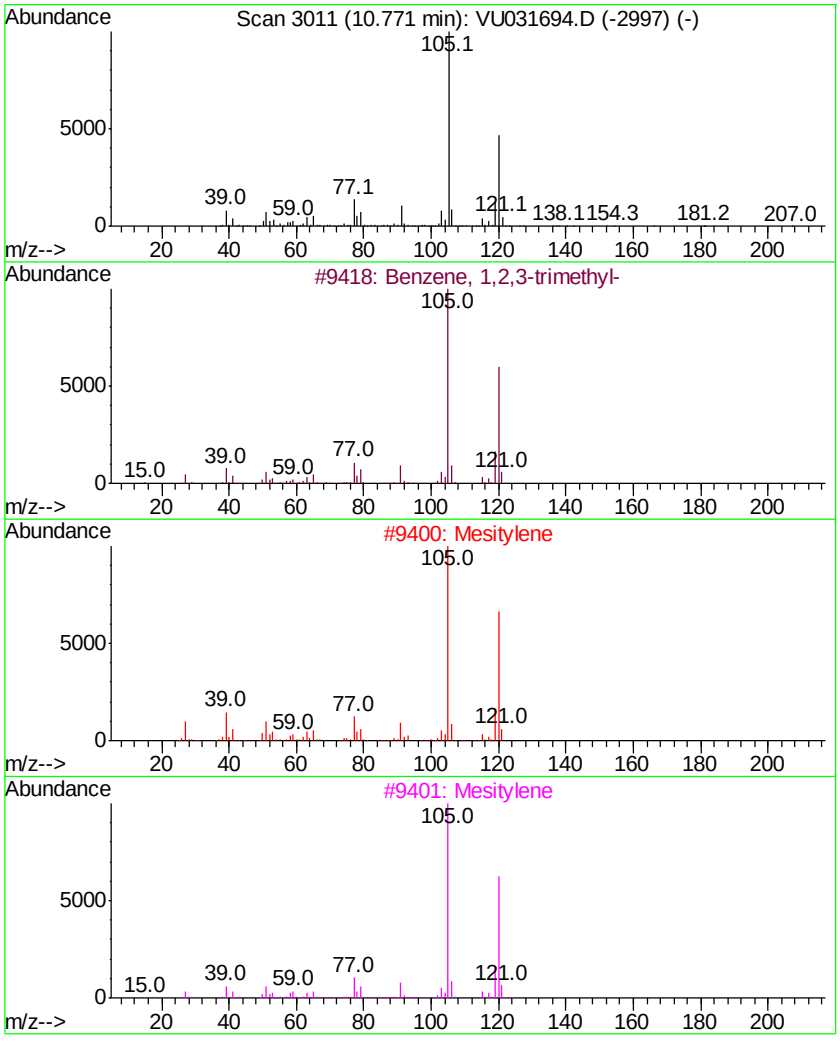
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

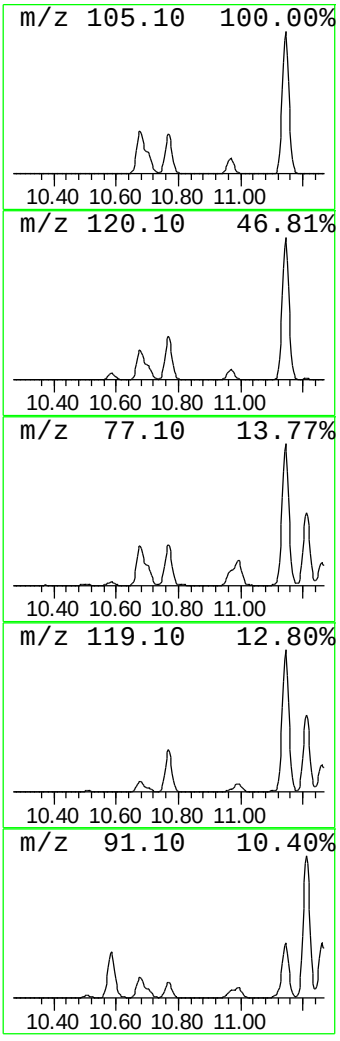
****

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	78.41 ug/L	4686040	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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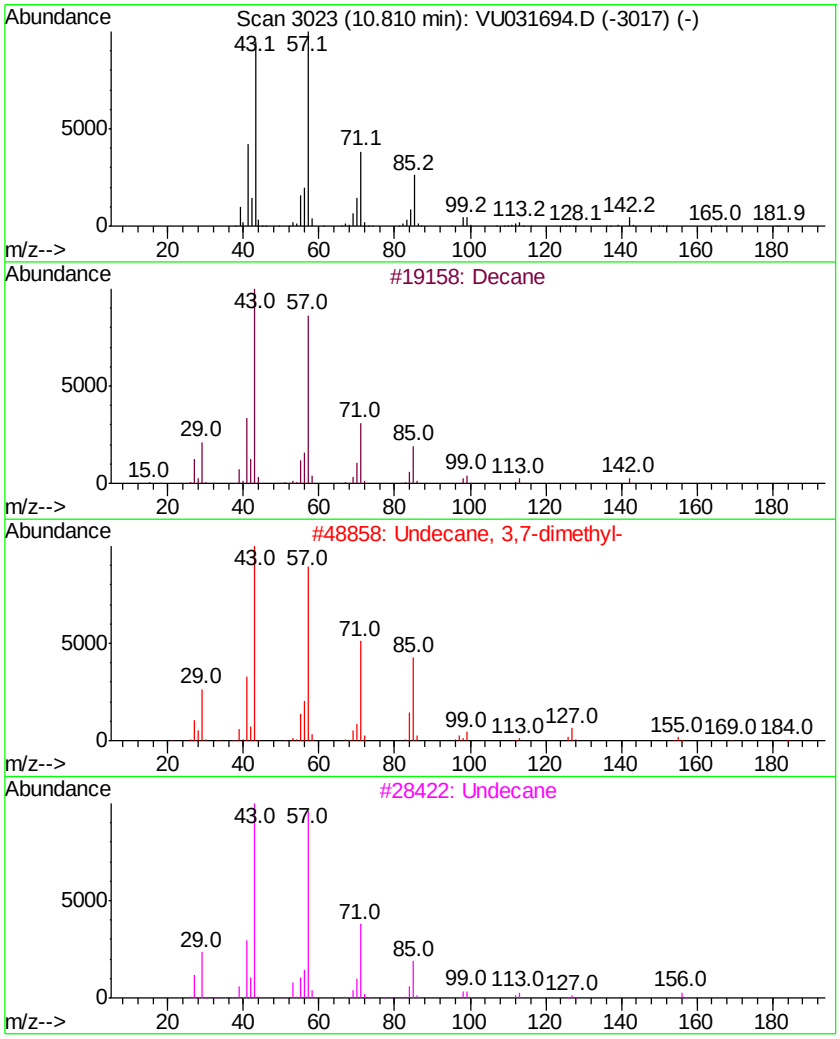
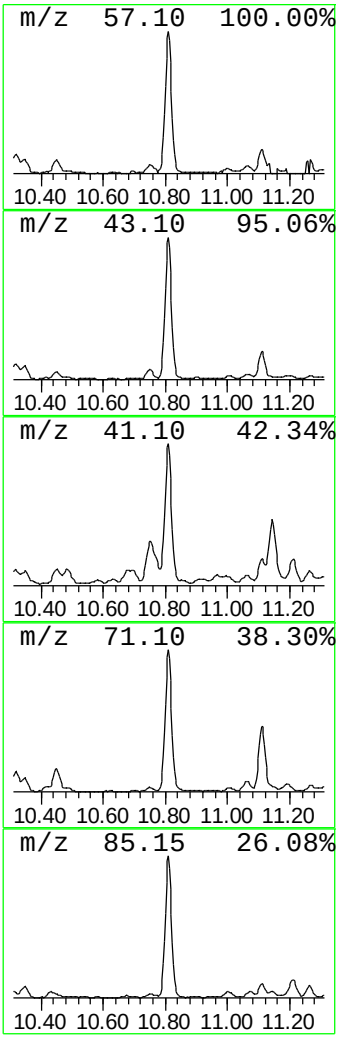
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	54.23 ug/L	3240970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	72
3	Undecane	156	C11H24	001120-21-4	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Decane	142	C10H22	000124-18-5	59





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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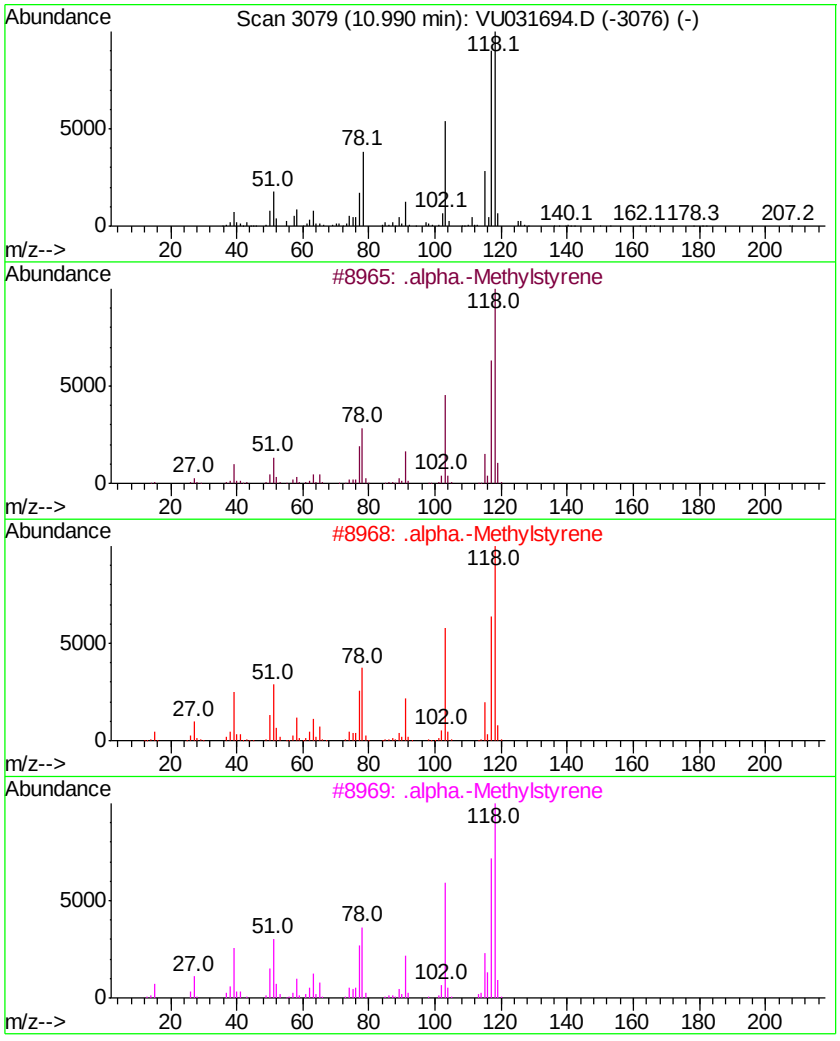
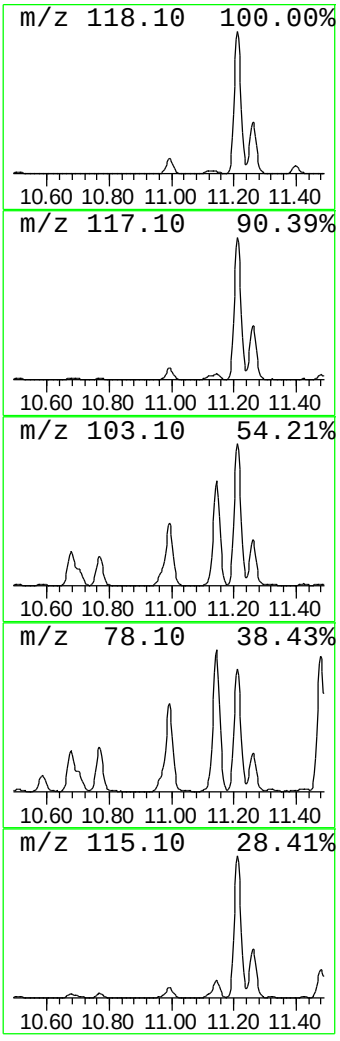
Peak Number 16 .alpha.-Methylstyrene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	32.14 ug/L	1920910	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	87
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	70
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	56
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	53
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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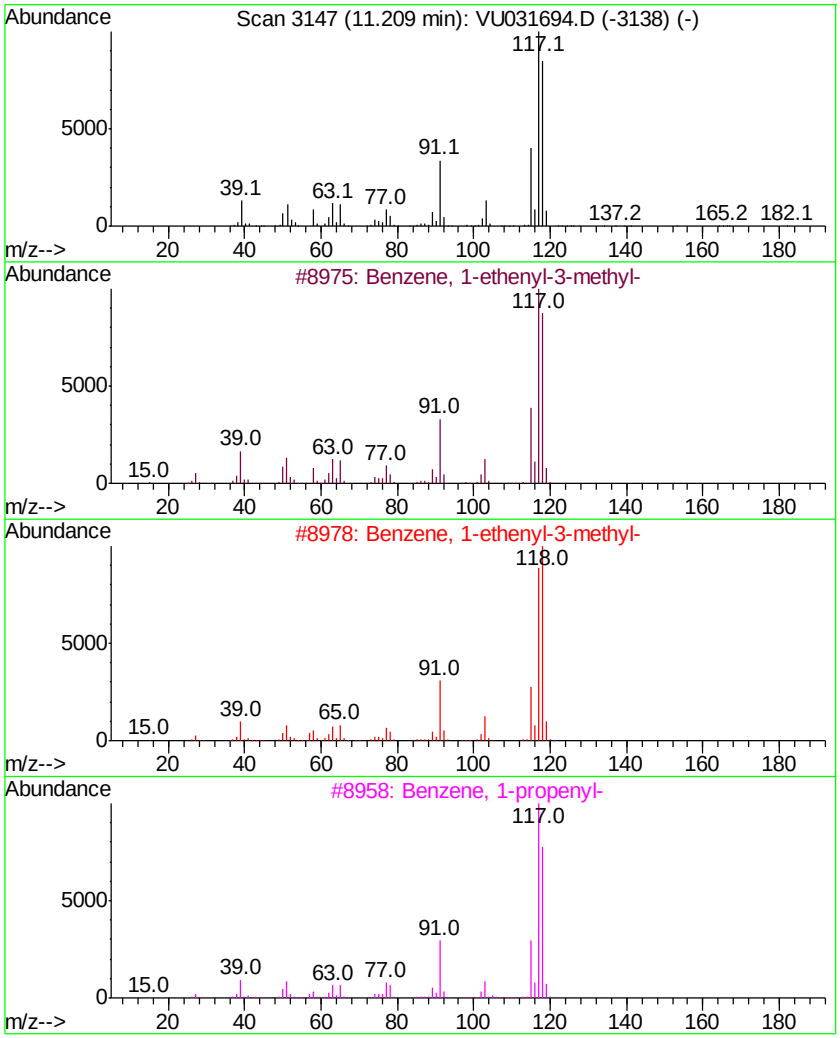
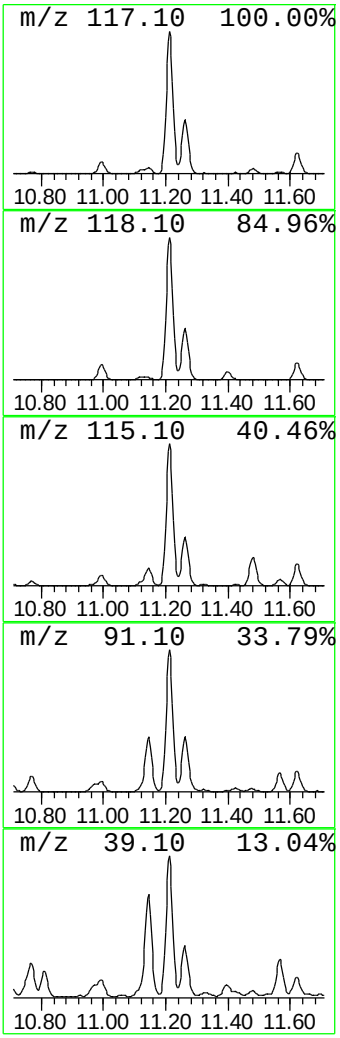
Peak Number 18 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	246.81 ug/L	14749700	1,4-Dichlorobenzene-d4	11.48

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, 1-propenyl-	118	C9H10	000637-50-3	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

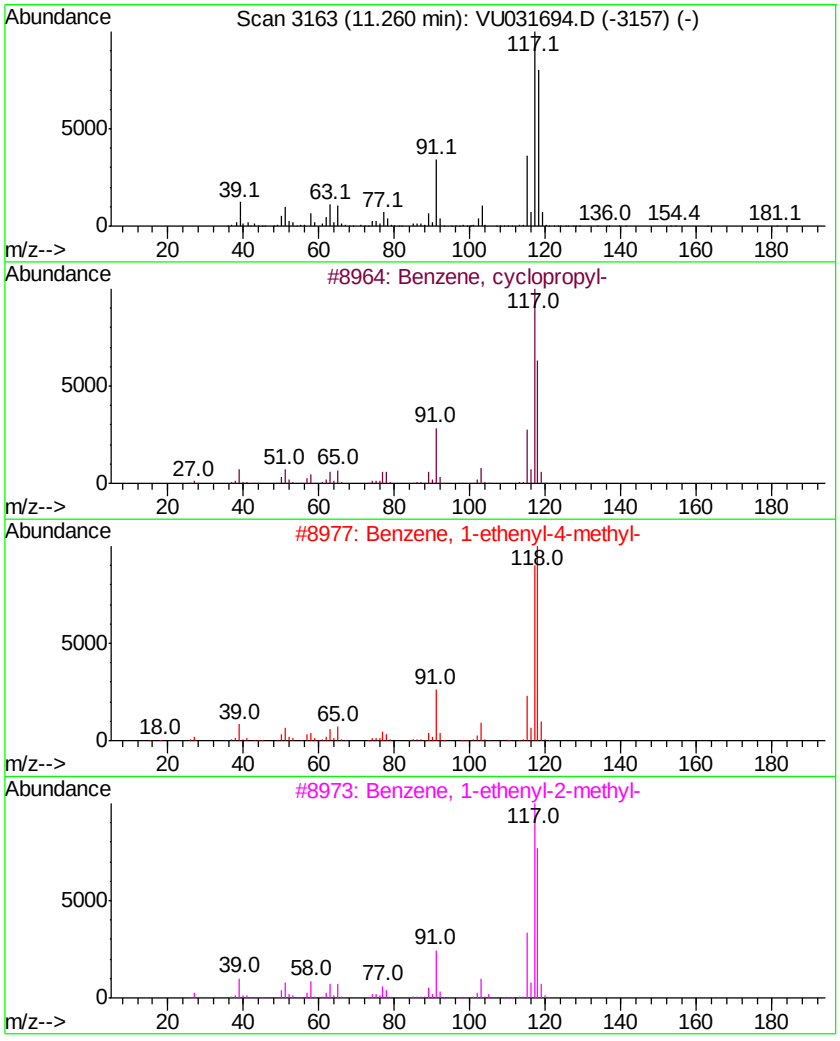
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

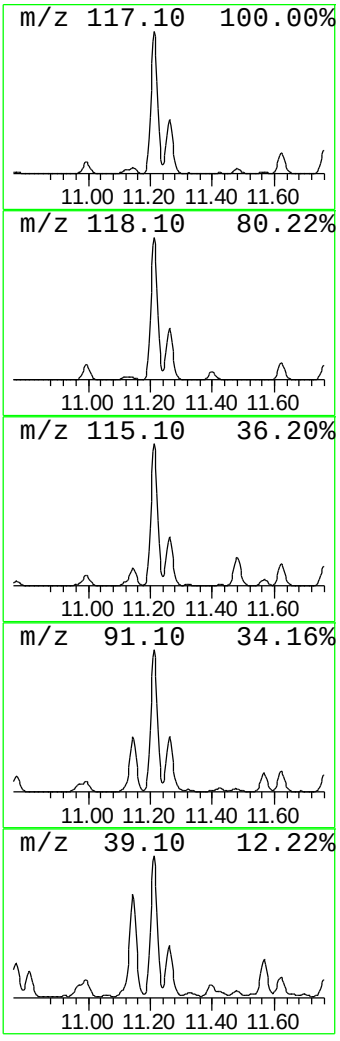
****

Peak Number 19 Benzene, cyclopropyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	87.65 ug/L	5237970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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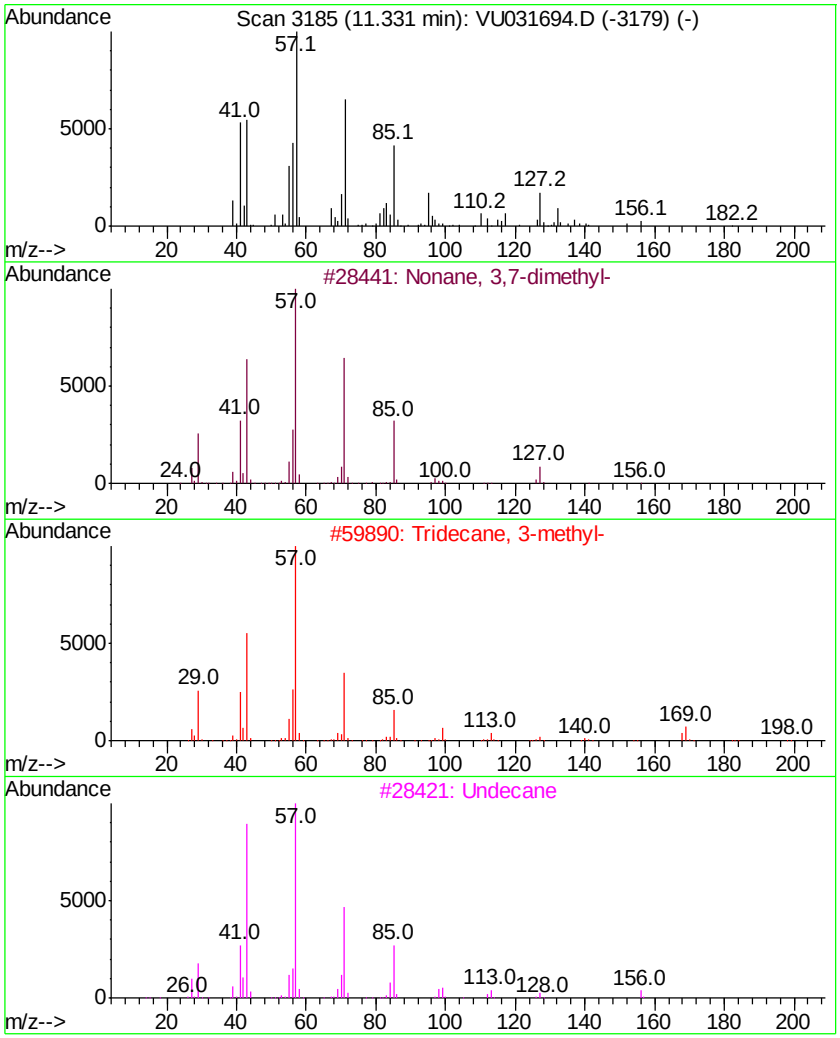
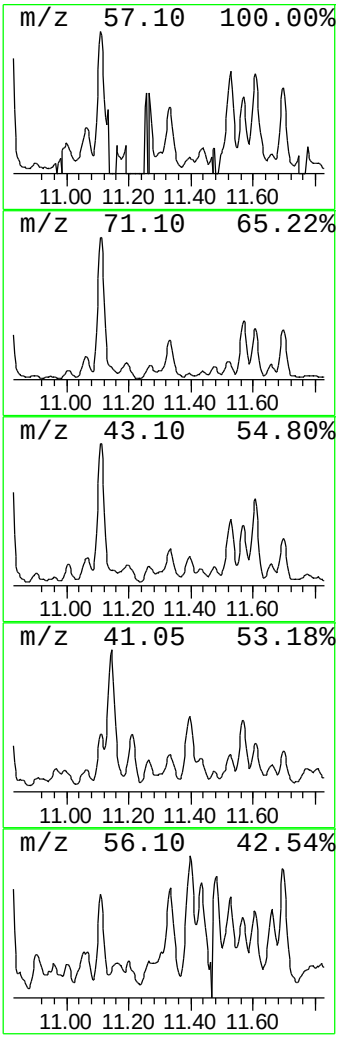
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	8.28 ug/L	494904	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
3	Undecane	156	C11H24	001120-21-4	47
4	Nonadecane	268	C19H40	000629-92-5	47
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

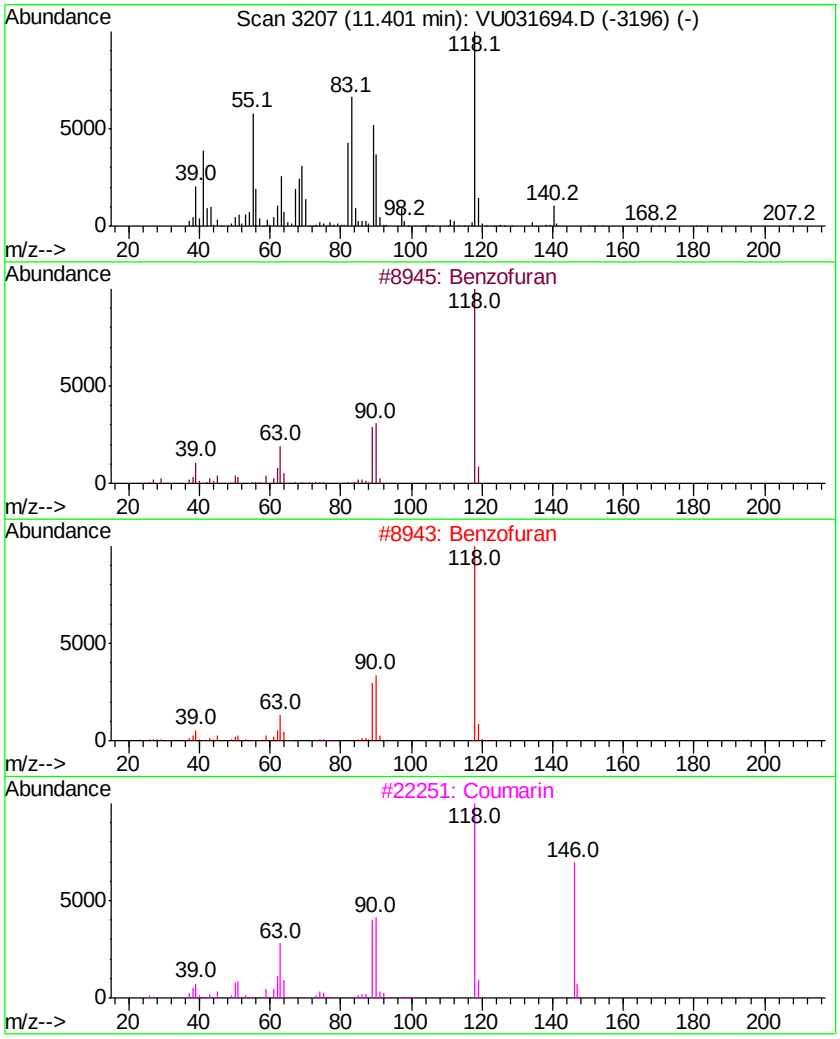
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

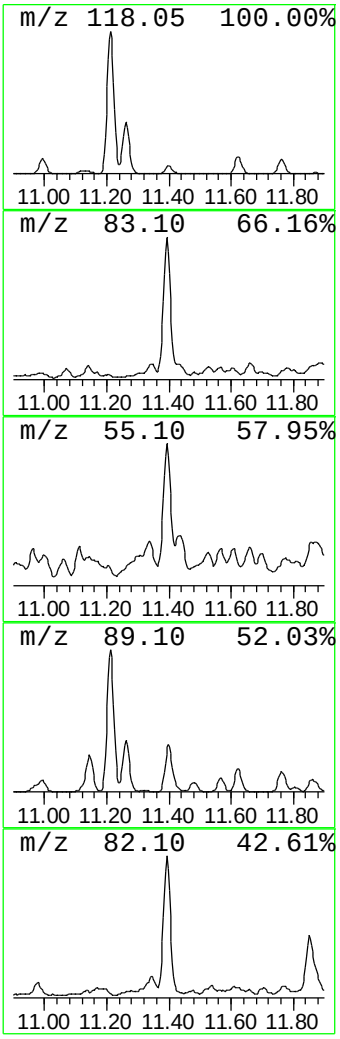
****

Peak Number 21 Benzofuran Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	25.70 ug/L	1535910	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	50
2	Benzofuran	118	C8H6O	000271-89-6	50
3	Coumarin	146	C9H6O2	000091-64-5	43
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	38
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

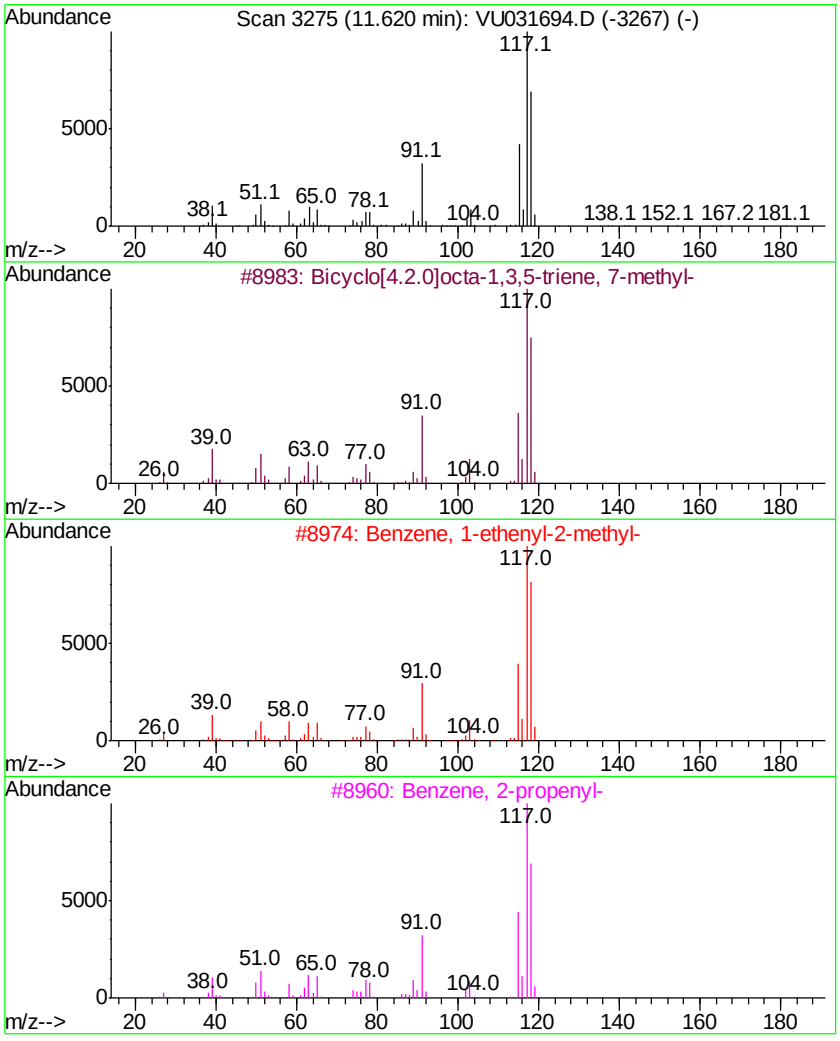
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

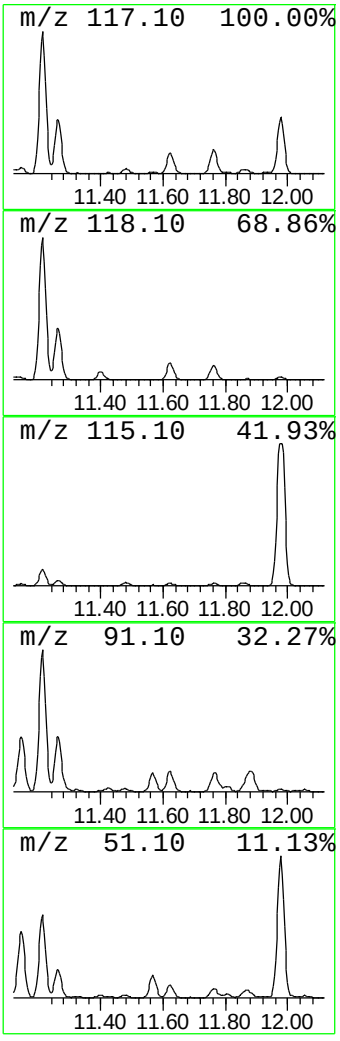
****

Peak Number 23 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	34.17 ug/L	2041840	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

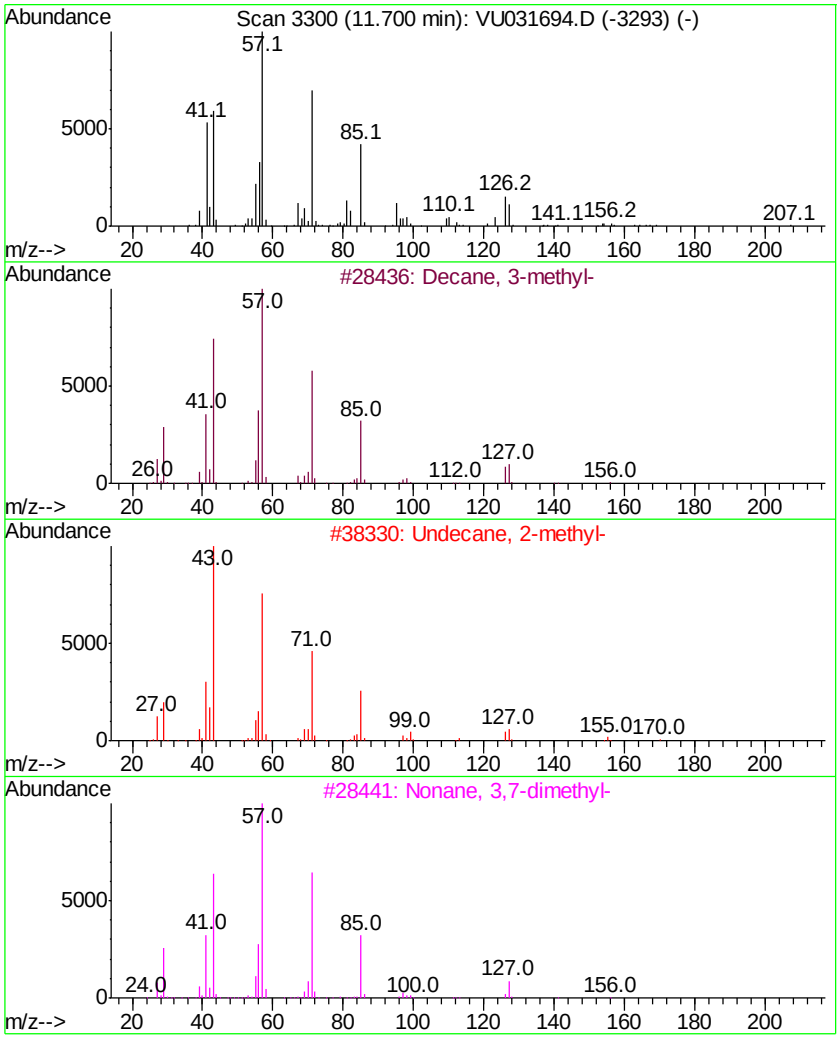
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

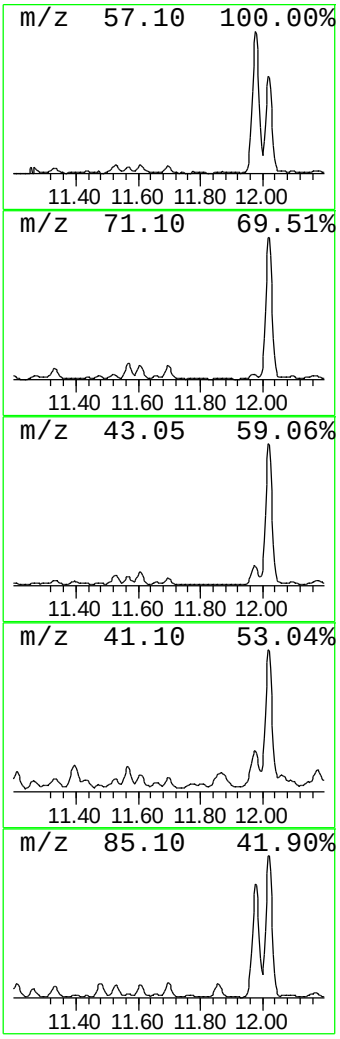
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.25 ug/L	373494	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
4	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	72
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

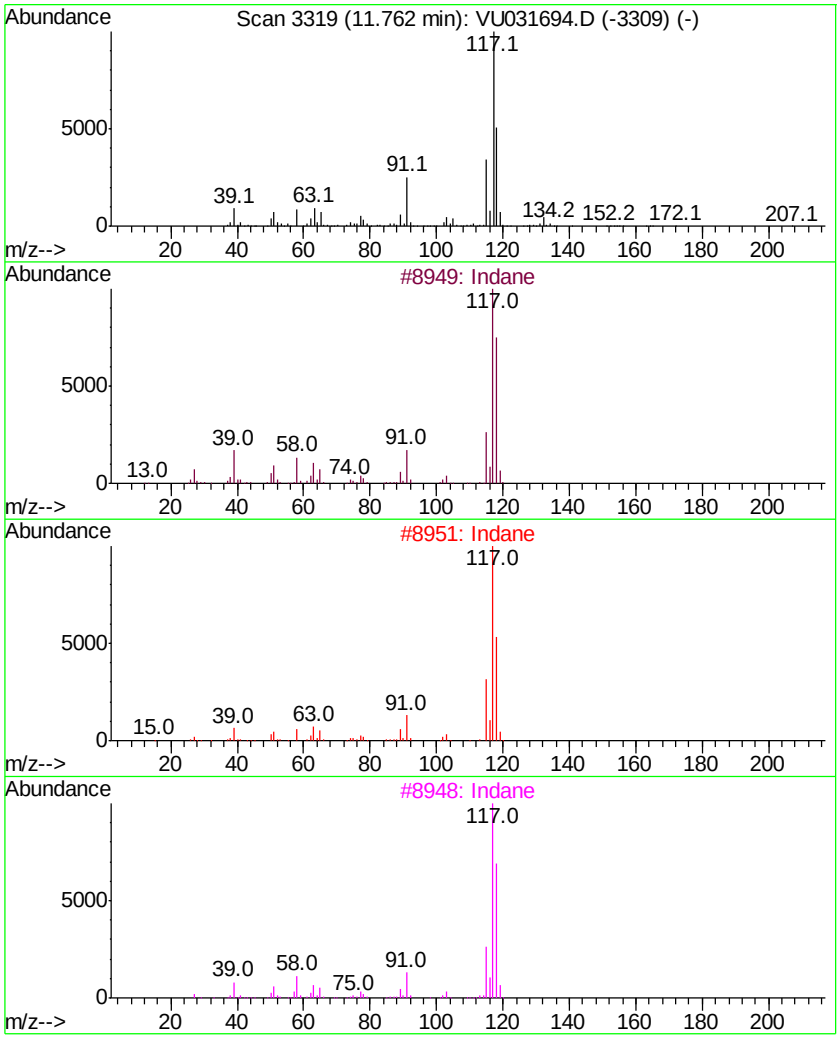
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

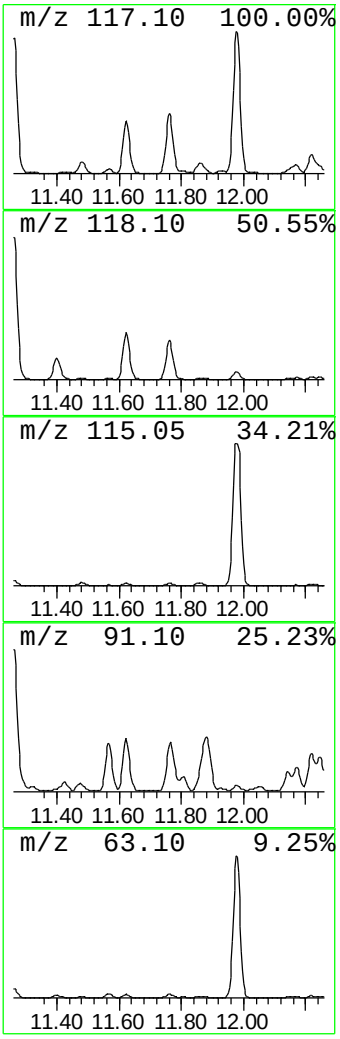
****

Peak Number 25 Indane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	43.02 ug/L	2570840	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	81
3	Indane	118	C9H10	000496-11-7	76
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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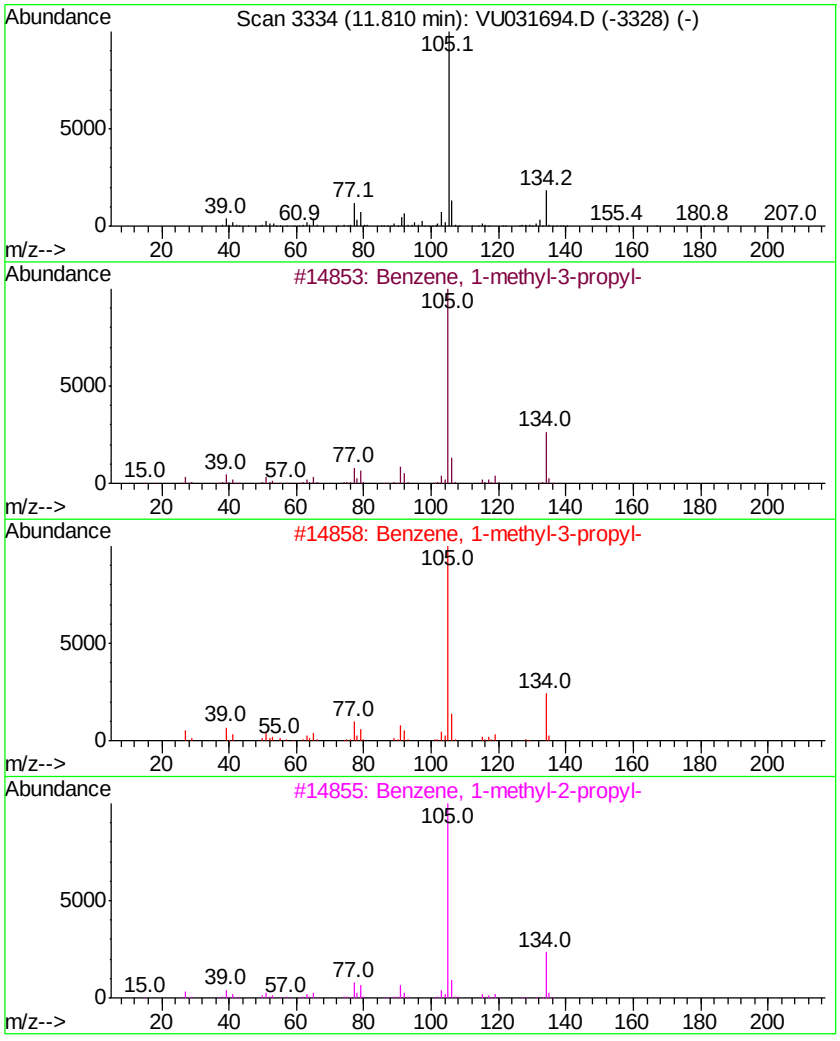
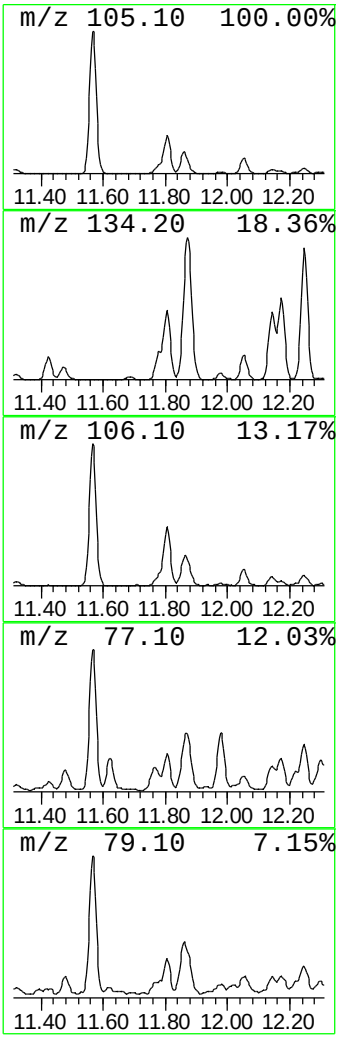
Peak Number 26 Benzene, 1-methyl-3-propyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	16.25 ug/L	971230	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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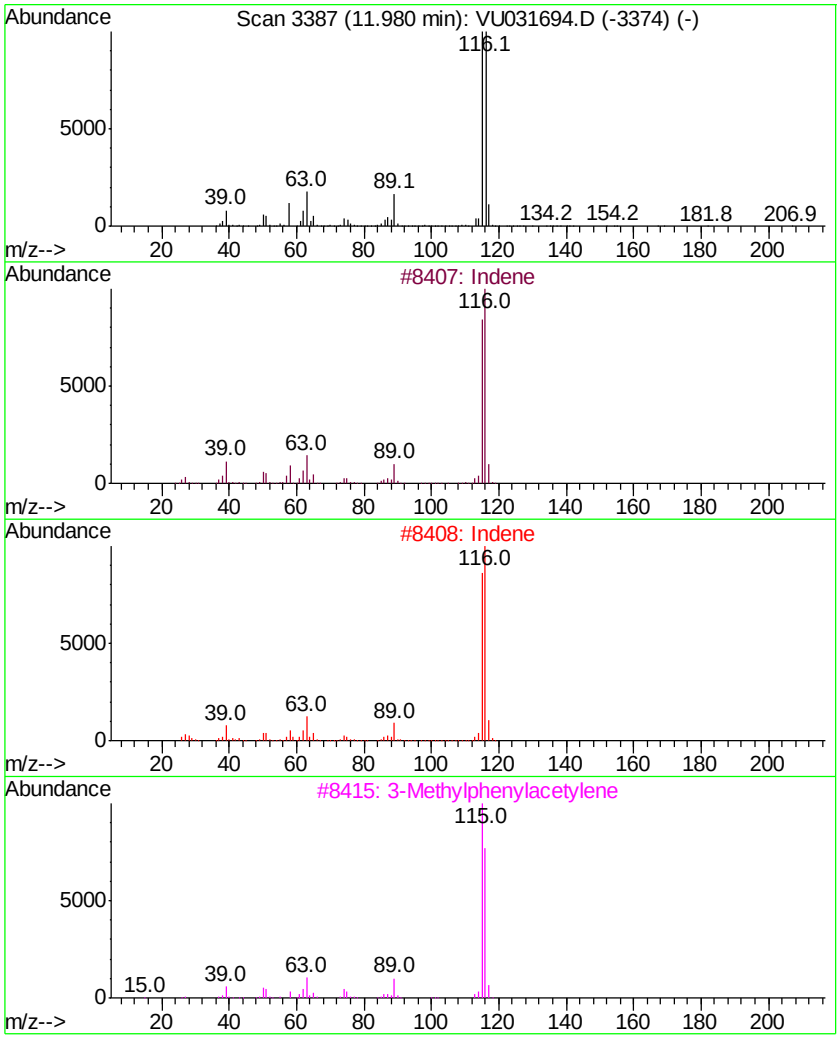
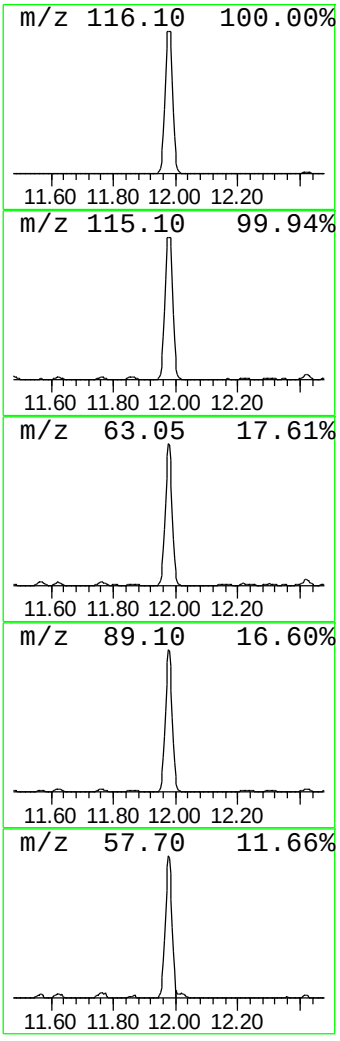
Peak Number 27 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	857.99 ug/L	51274100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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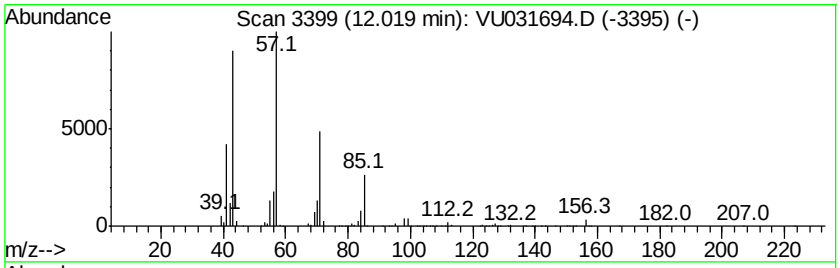
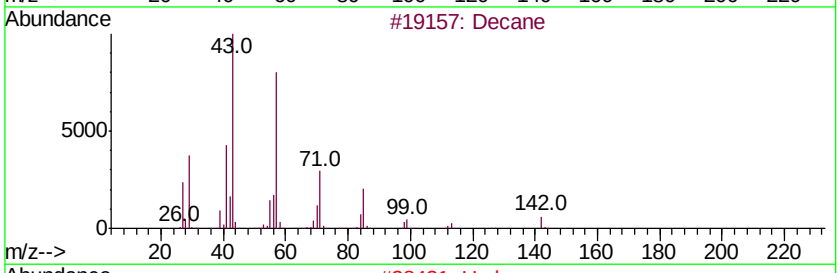
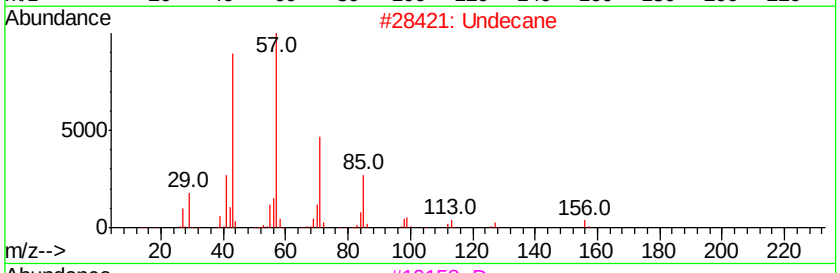
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 28

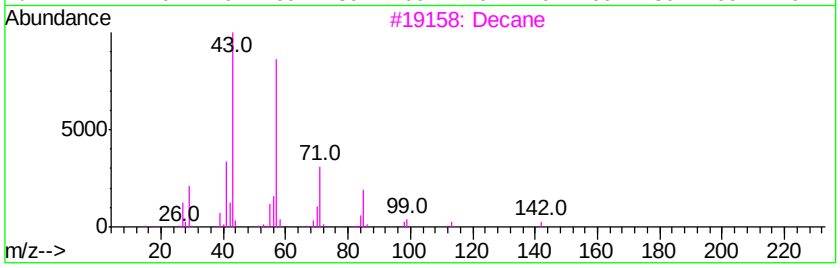
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	61.30 ug/L	3663200	1,4-Dichlorobenzene-d4	11.48

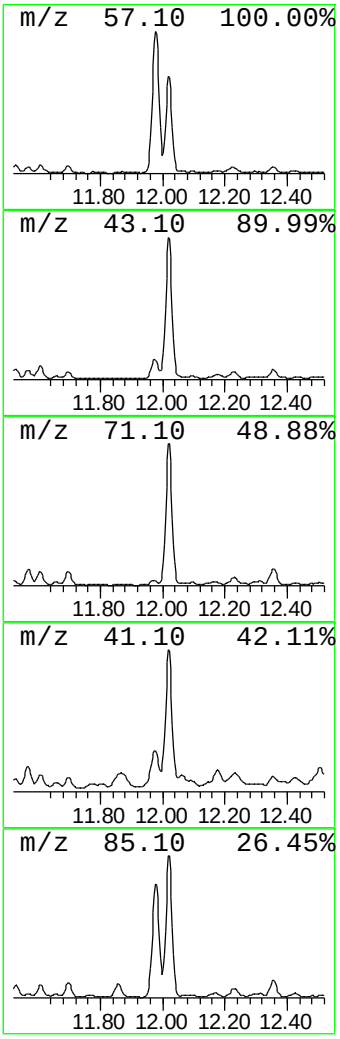
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Undecane	156	C11H24	001120-21-4	91
3	Decane	142	C10H22	000124-18-5	91
4	Undecane	156	C11H24	001120-21-4	90
5	Tetradecane	198	C14H30	000629-59-4	90











Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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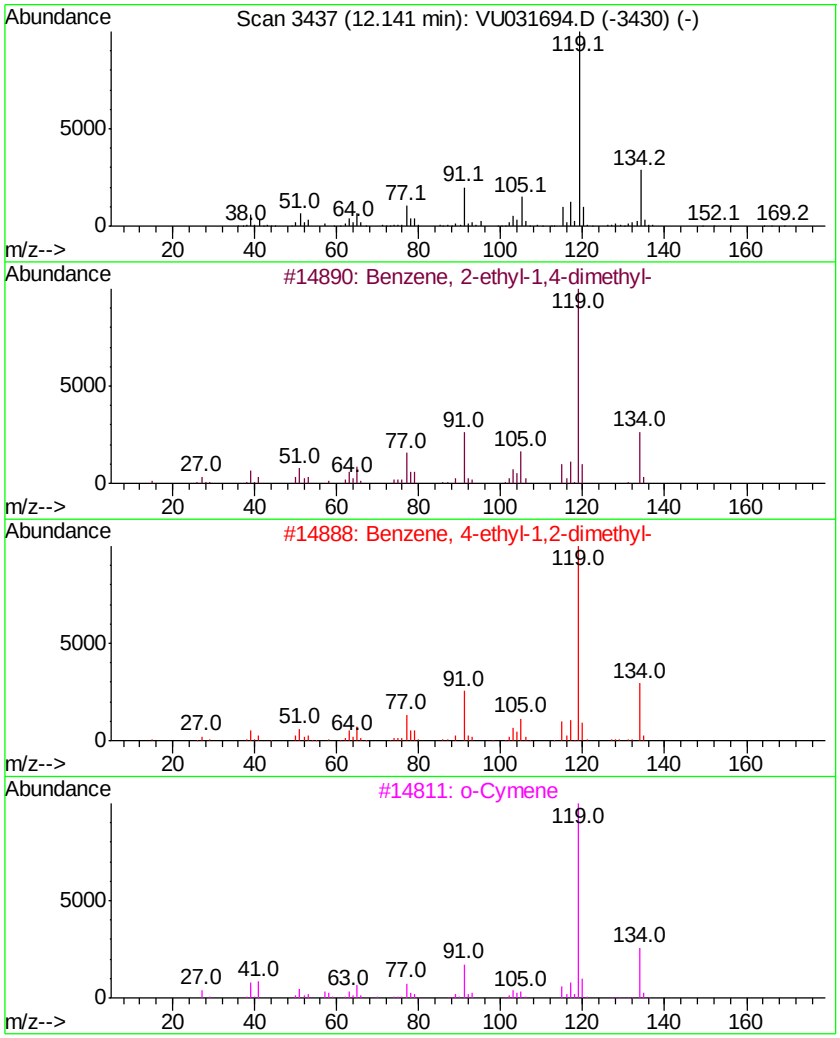
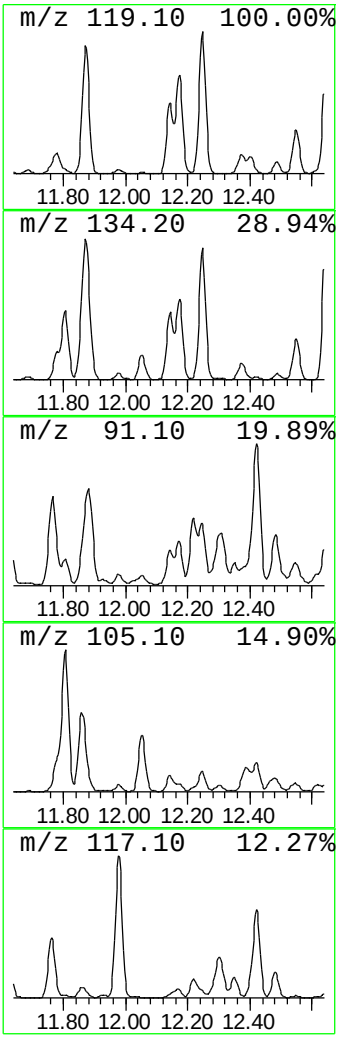
Peak Number 29 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	14.05 ug/L	839469	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

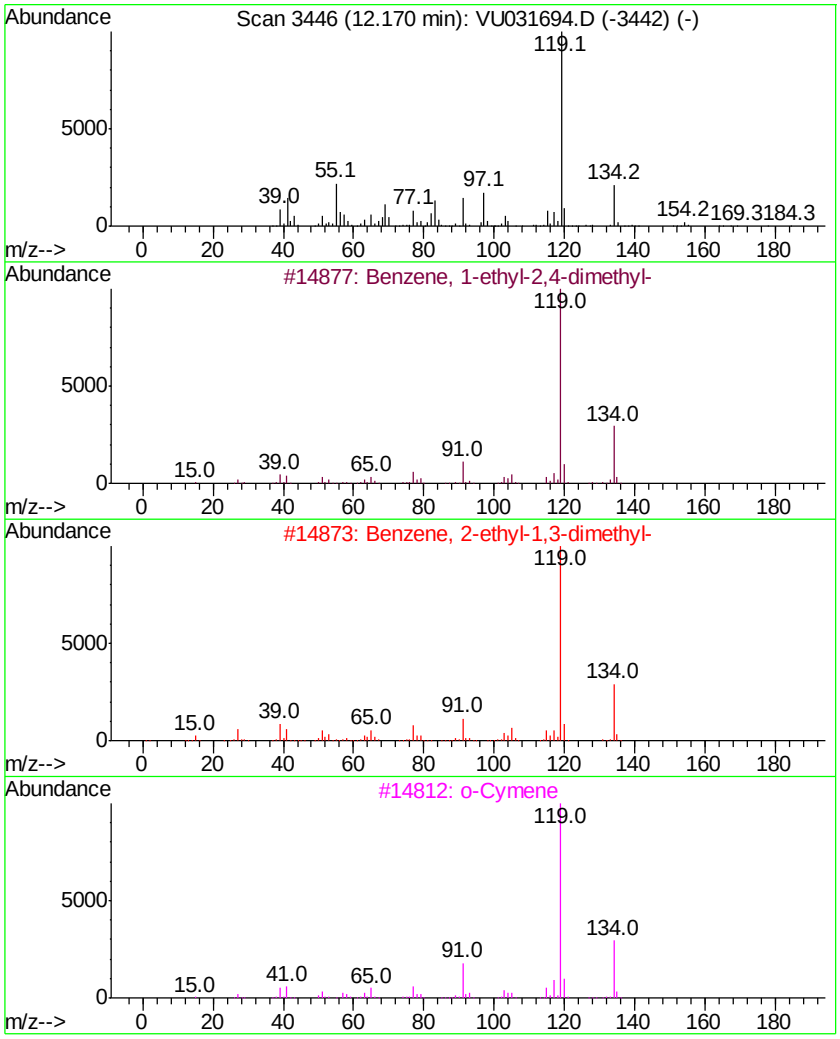
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

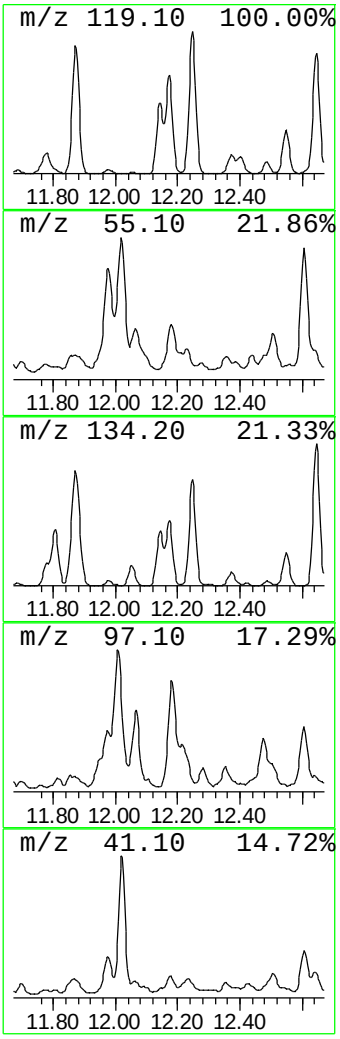
****

Peak Number 30 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	18.76 ug/L	1121370	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
3	o-Cymene	134	C10H14	000527-84-4	70
4	p-Cymene	134	C10H14	000099-87-6	68
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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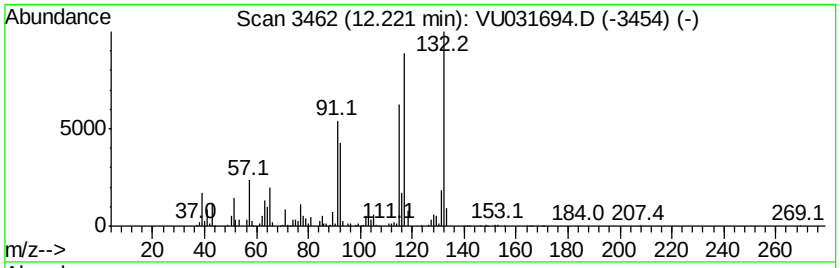
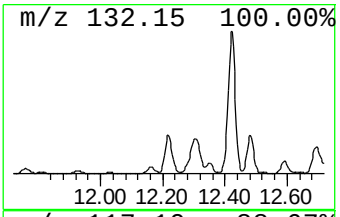
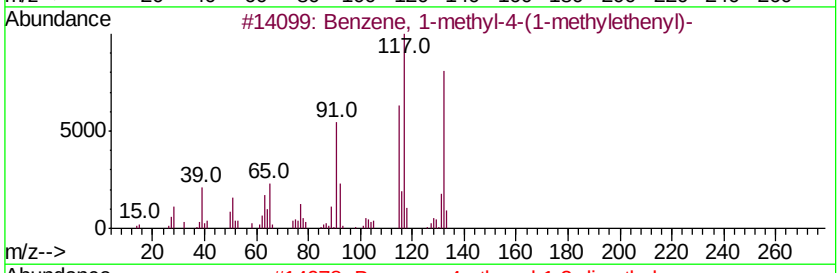
Peak Number 31 Benzene, 1-methyl-4-(1-meth... Concentration Rank 51

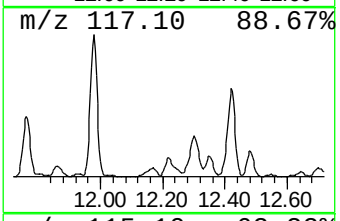
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	19.47 ug/L	1163290	1,4-Dichlorobenzene-d4	11.48

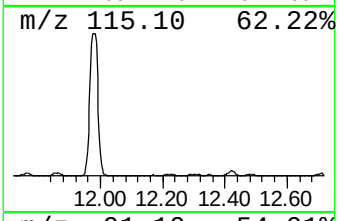
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	89
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
5	5,8-Dimethylenebicyclo[2.2.2]oct...	132	C10H12	1000210-64-8	72

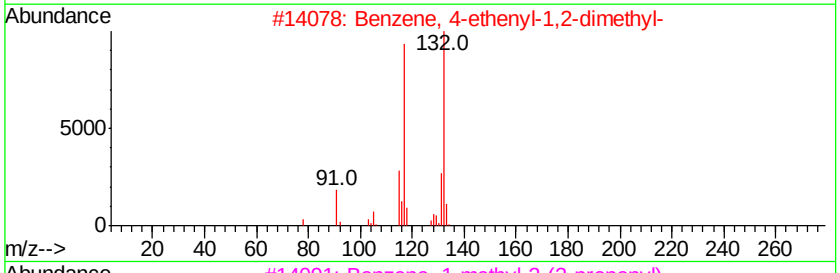


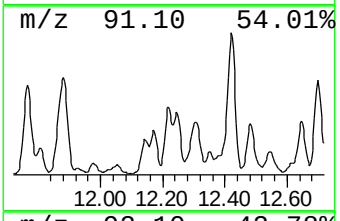


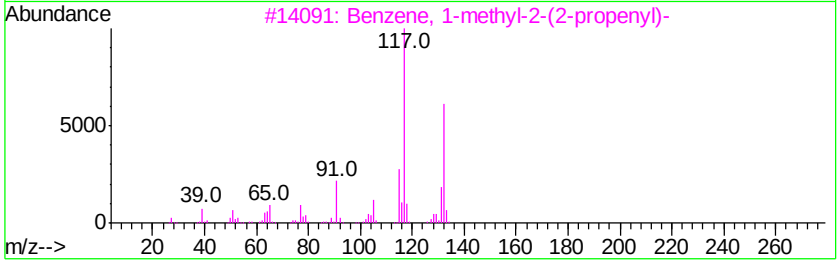


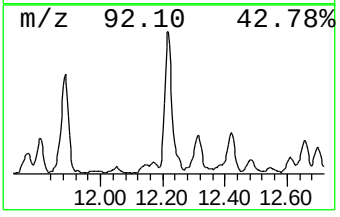












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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

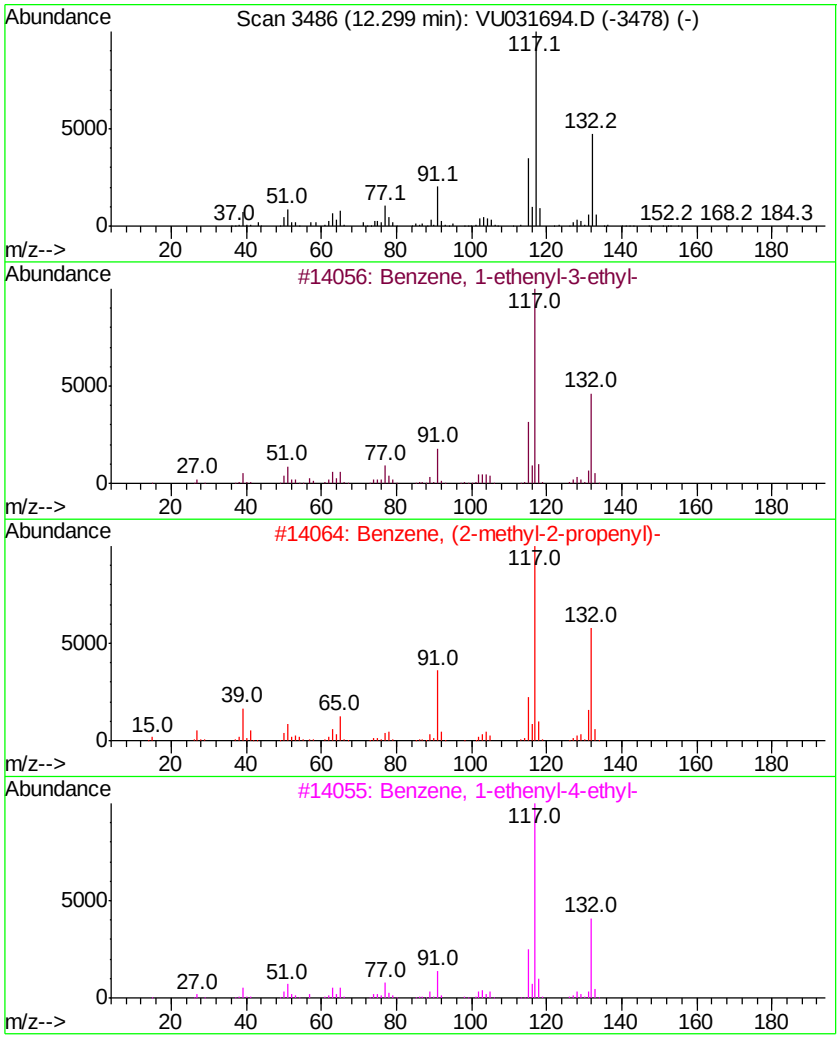
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

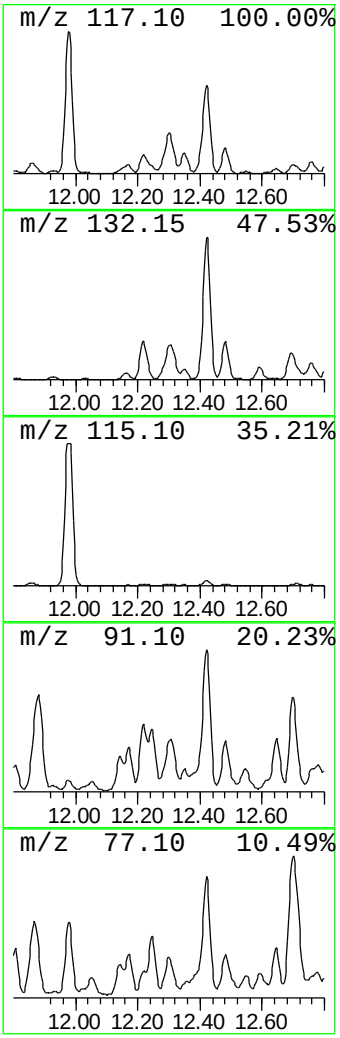
****

Peak Number 32 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	23.60 ug/L	1410410	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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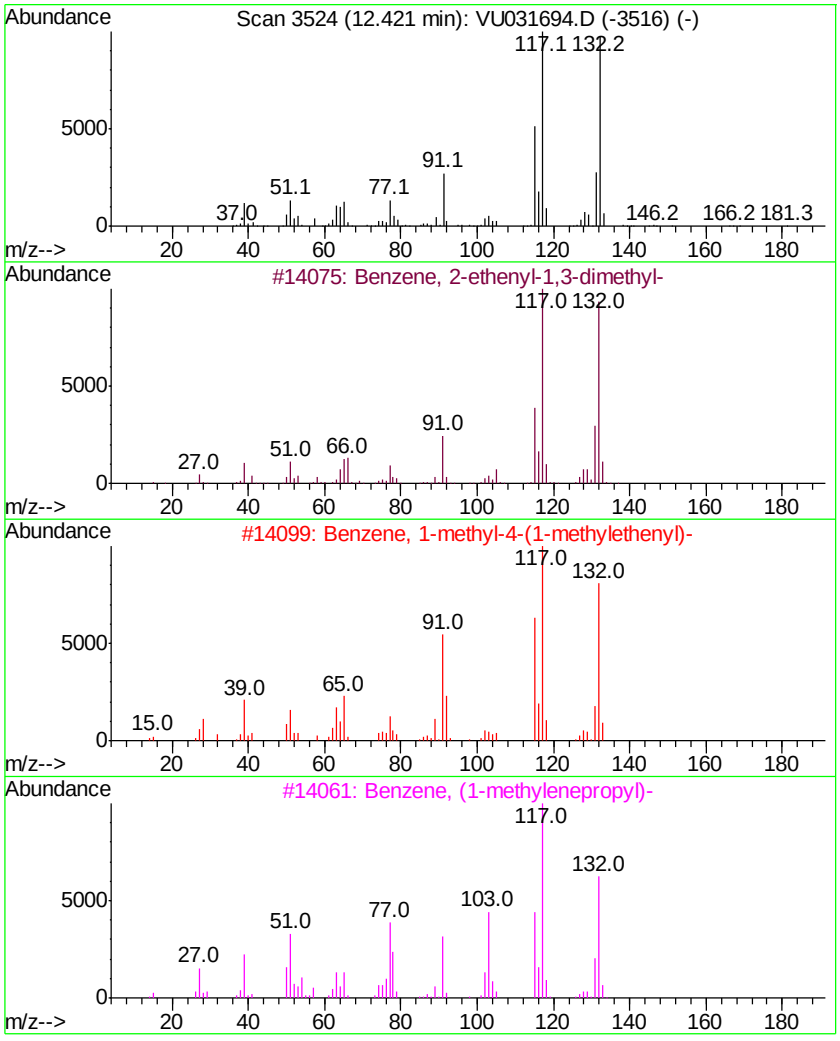
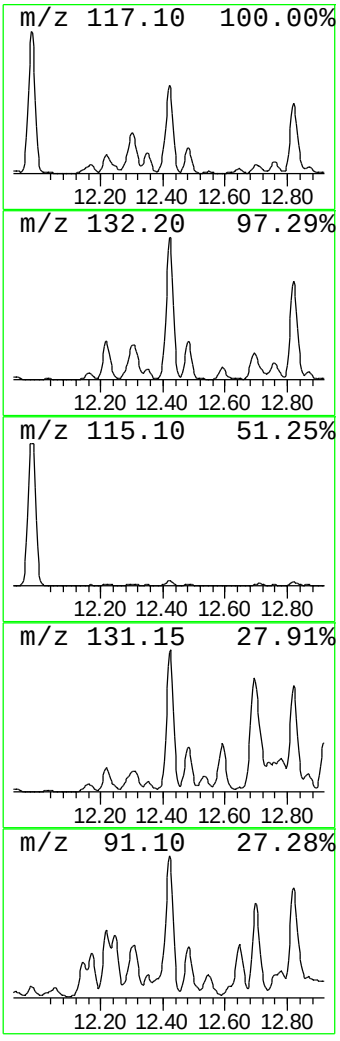
Peak Number 34 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	81.06 ug/L	4844100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	91
3	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	91
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	90
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	90





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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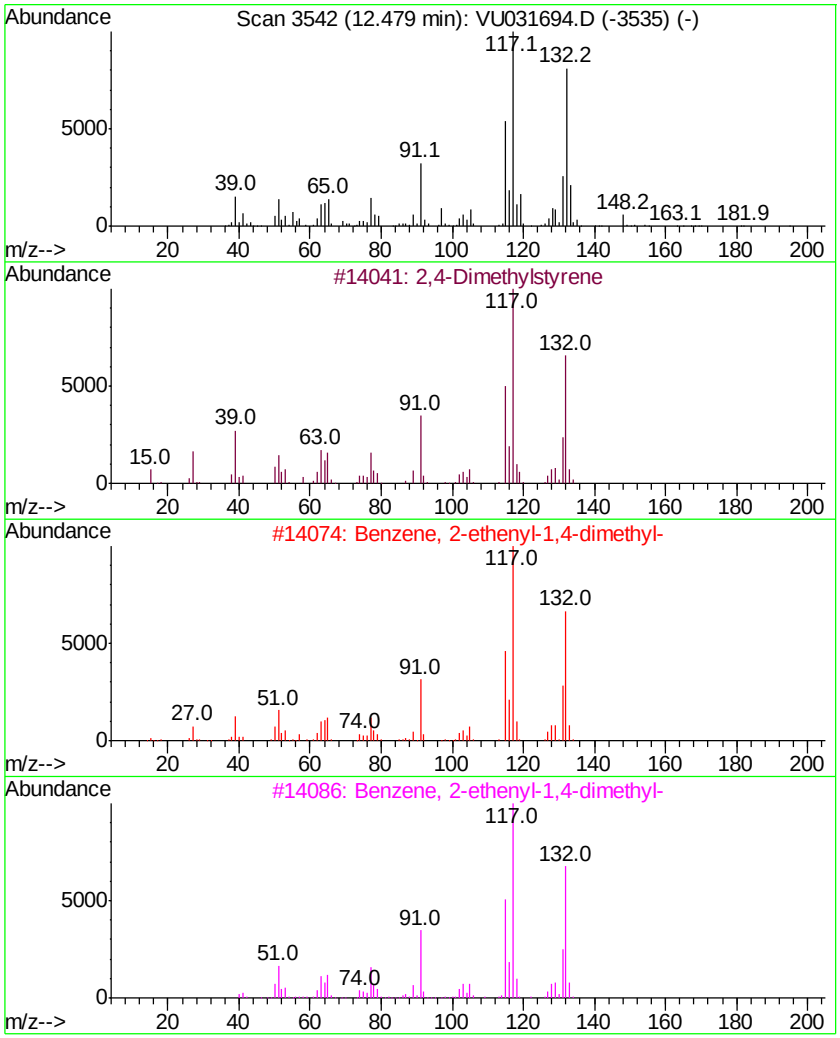
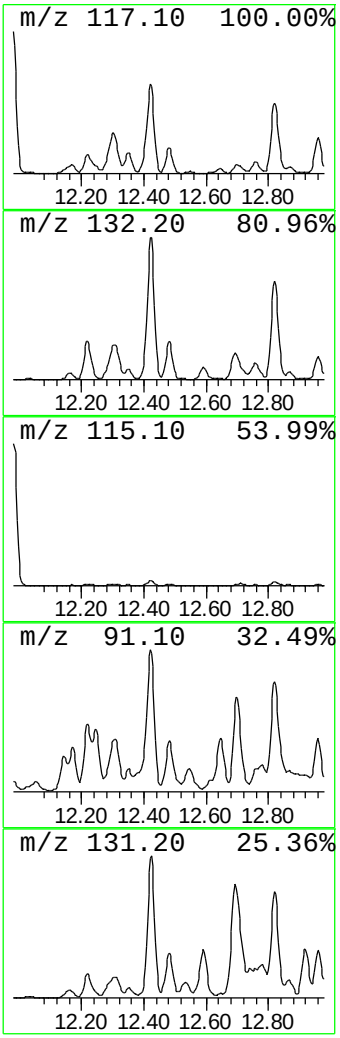
Peak Number 35 2,4-Dimethylstyrene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	38.56 ug/L	2304630	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94





Library Search Compound Report

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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

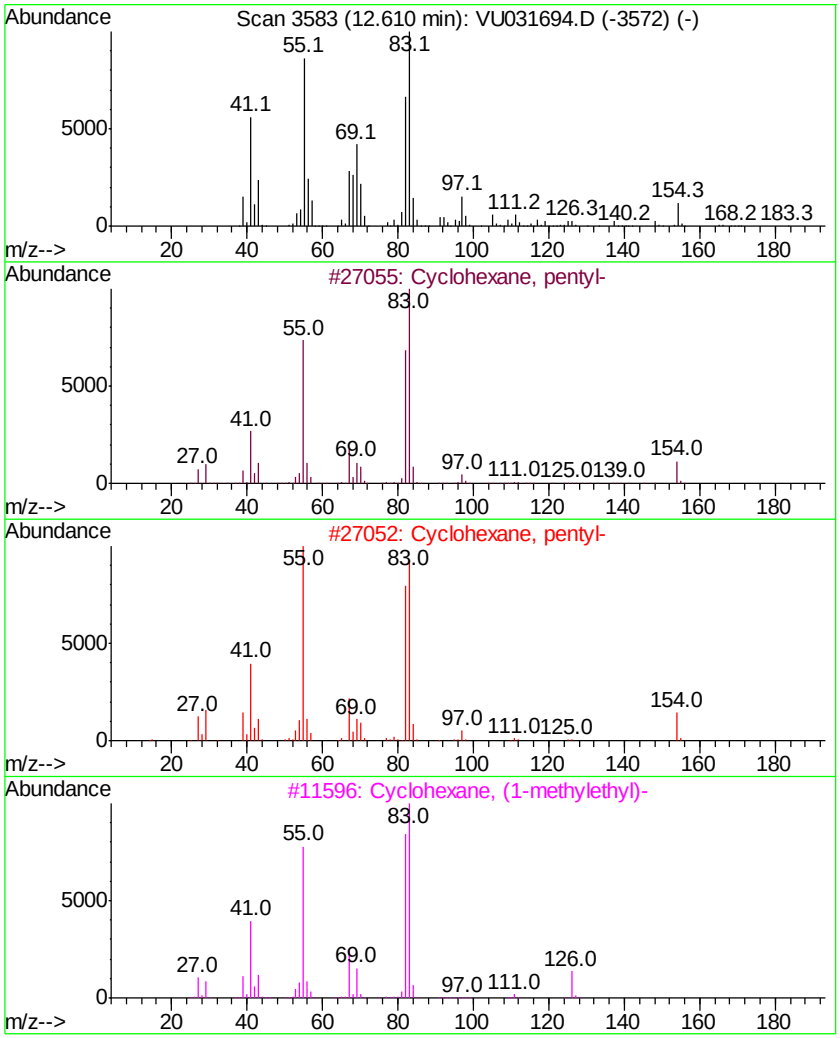
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

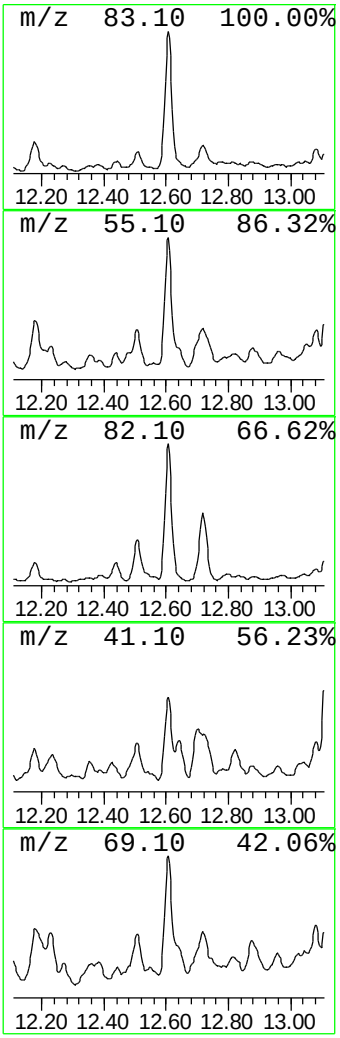
****

Peak Number 36 (DEL) Alkane: Cyclic12.61 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	29.37 ug/L	1755390	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
4	Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	58
5	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	49





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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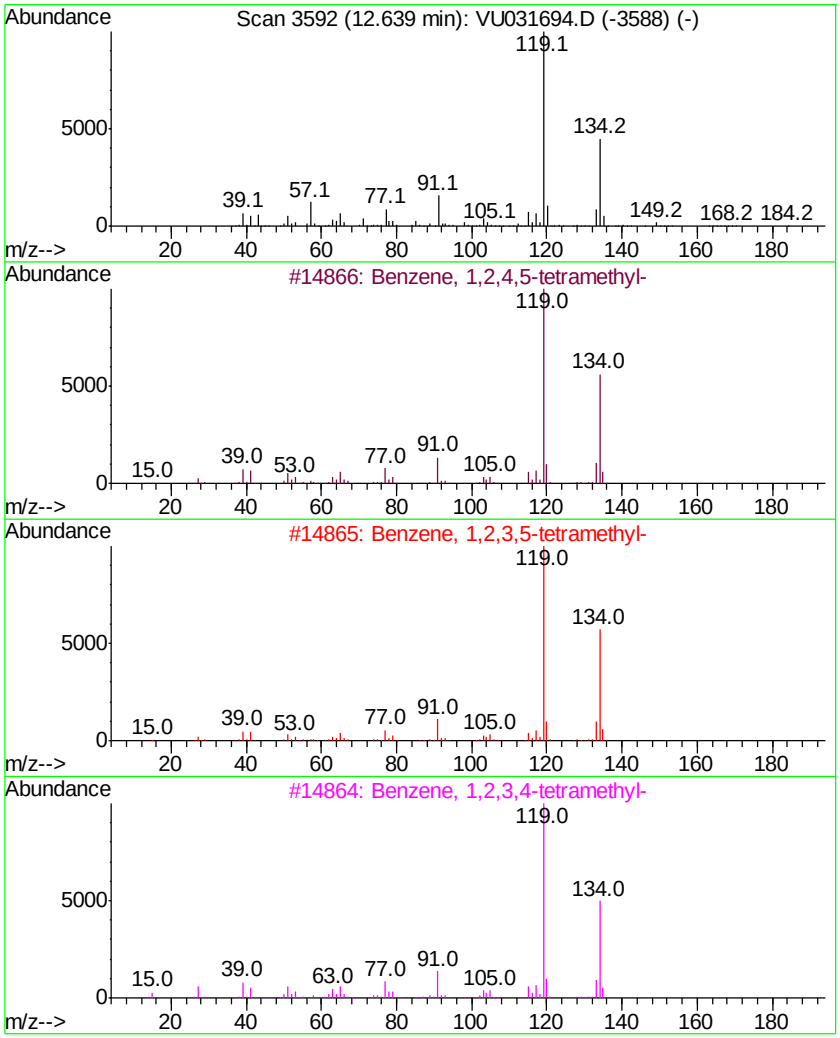
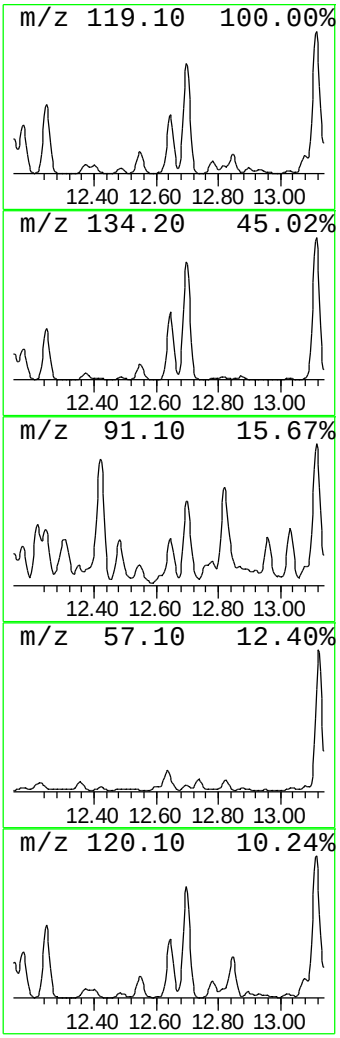
Peak Number 37 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	27.54 ug/L	1645610	1,4-Dichlorobenzene-d4	11.48

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





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Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

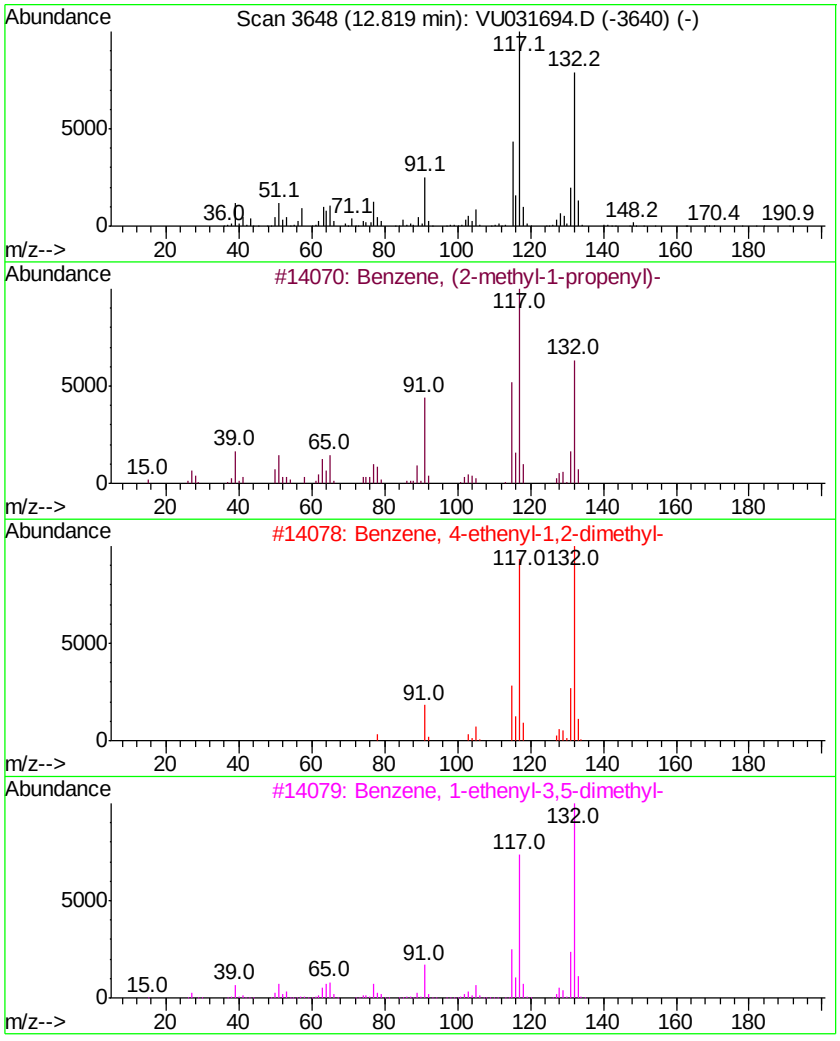
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

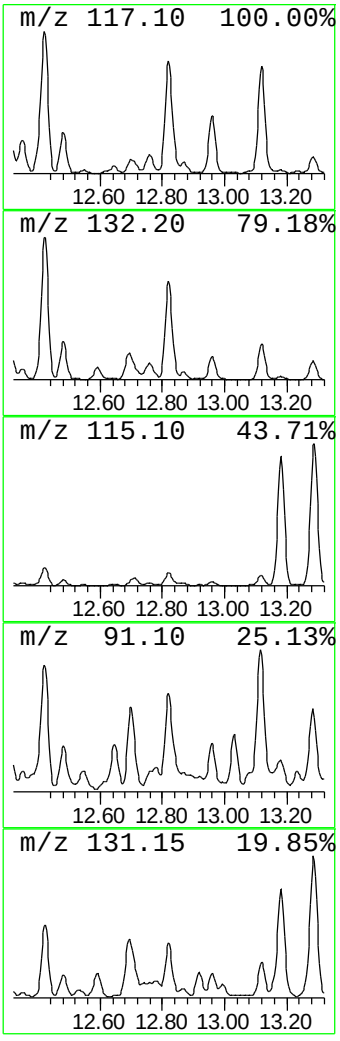
****

Peak Number 39 Benzene, (2-methyl-1-propen... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	59.69 ug/L	3567170	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

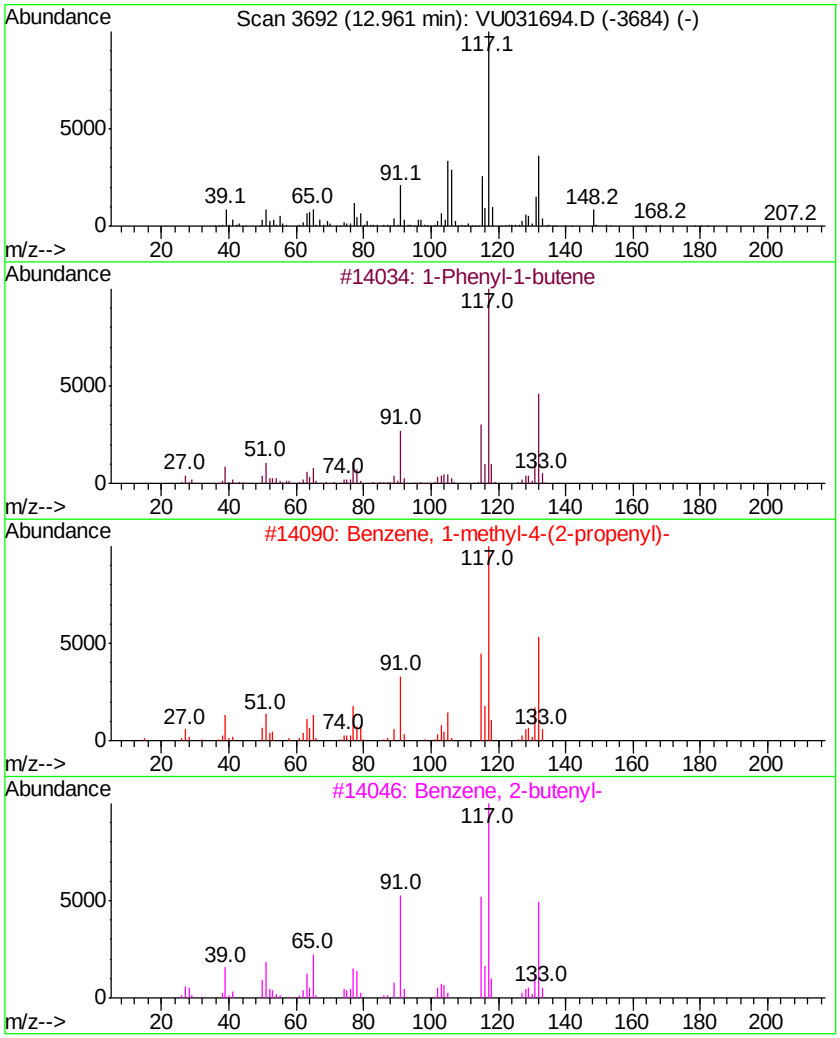
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

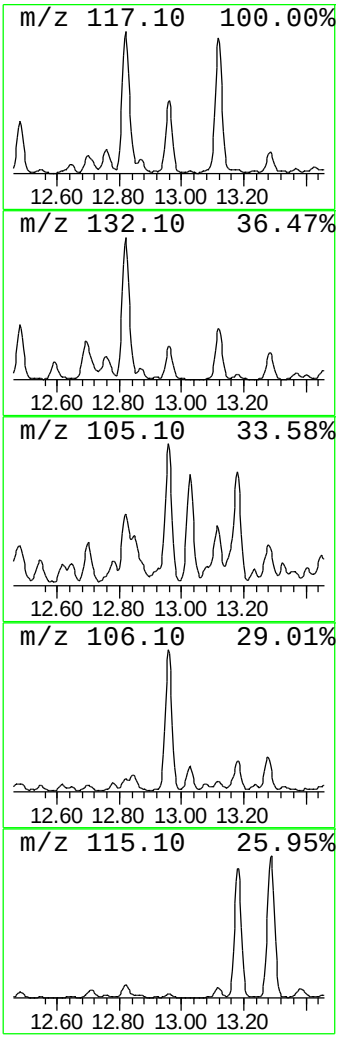
****

Peak Number 40 1-Phenyl-1-butene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	27.23 ug/L	1627140	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	89
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

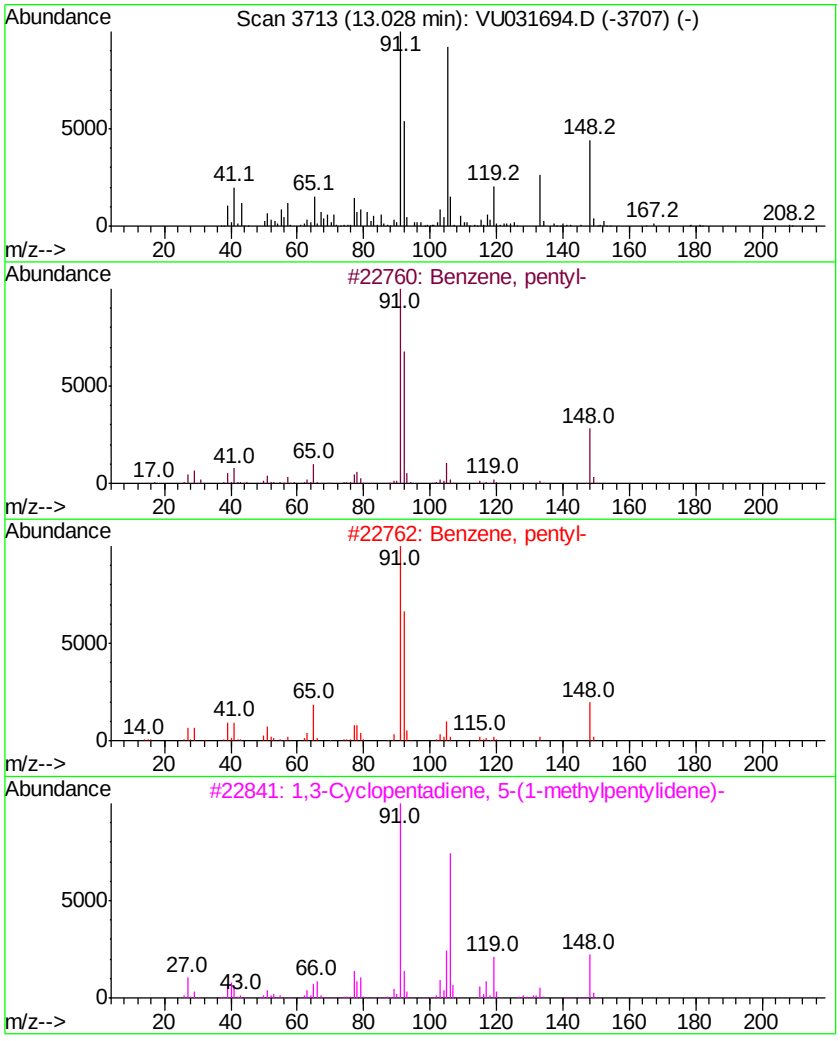
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

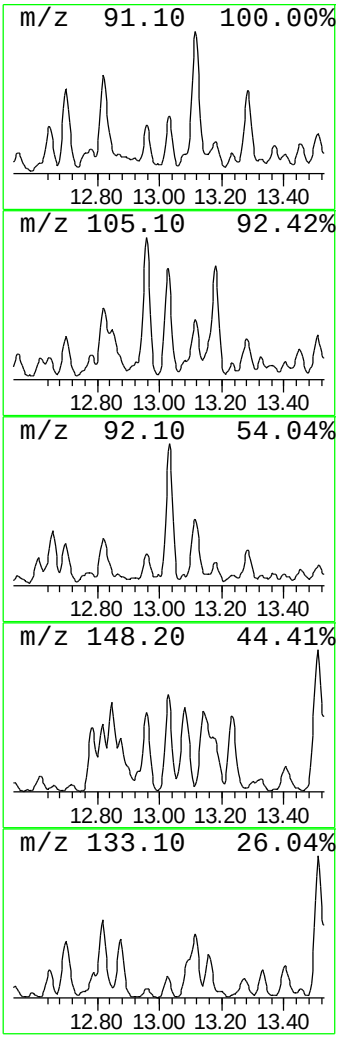
****

Peak Number 41 Benzene, pentyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	10.52 ug/L	628574	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentyl-	148	C11H16	000538-68-1	52
2	Benzene, pentyl-	148	C11H16	000538-68-1	50
3	1,3-Cyclopentadiene, 5-(1-methyl...	148	C11H16	061039-45-0	49
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	38
5	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

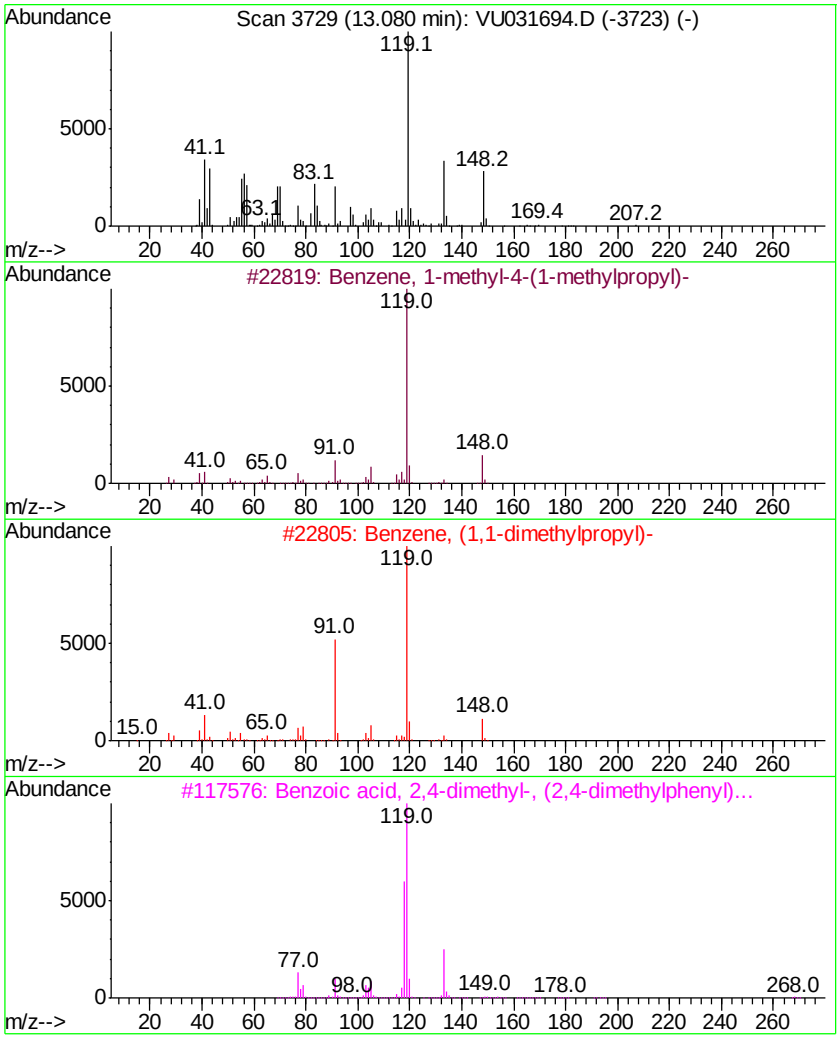
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

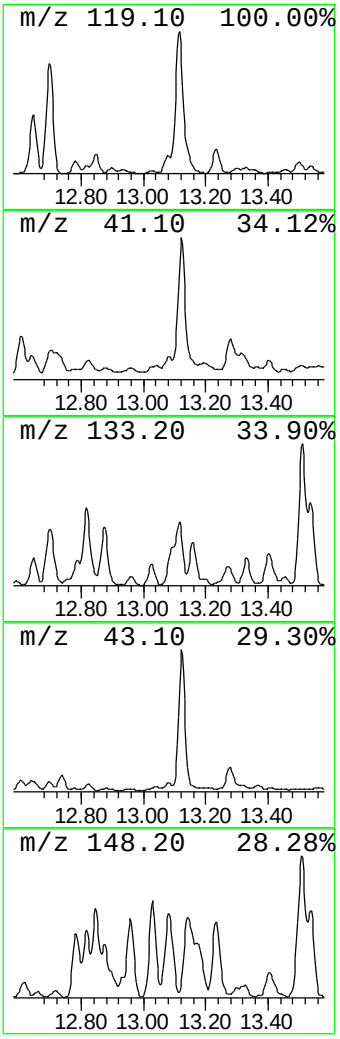
****

Peak Number 42 Benzene, 1-methyl-4-(1-meth... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	9.34 ug/L	558301	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46
3	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	43
4	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	43
5	p-Cymene	134	C10H14	000099-87-6	42





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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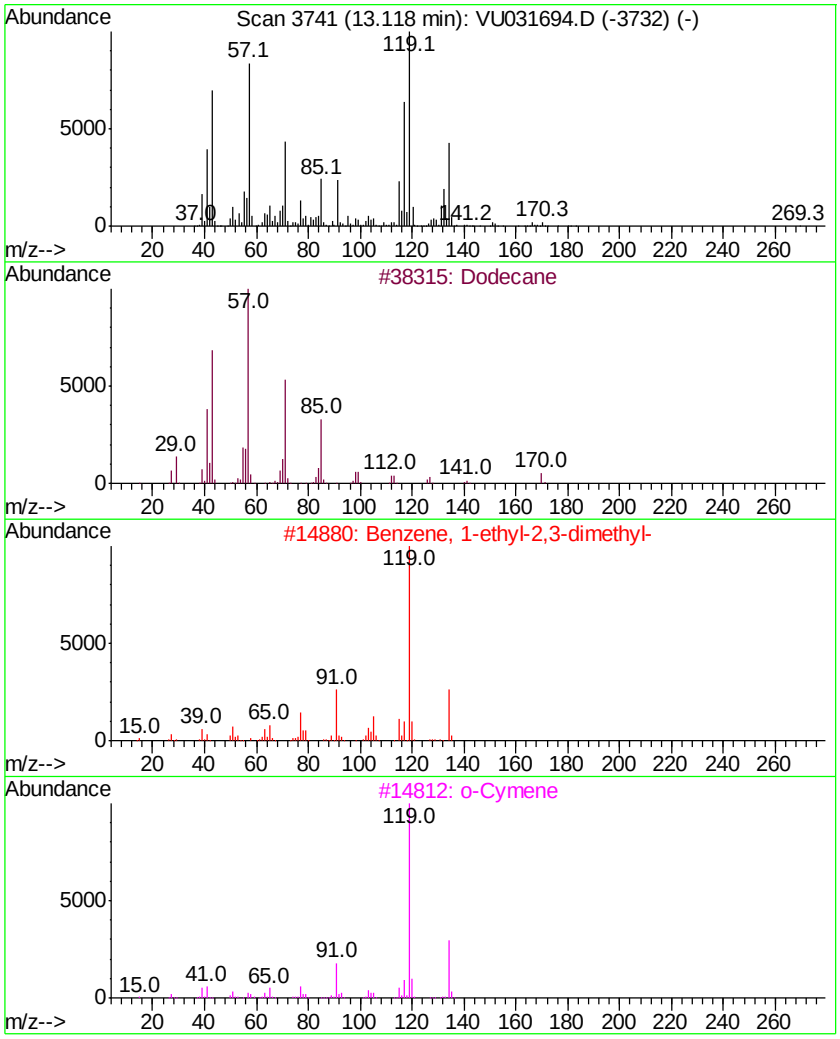
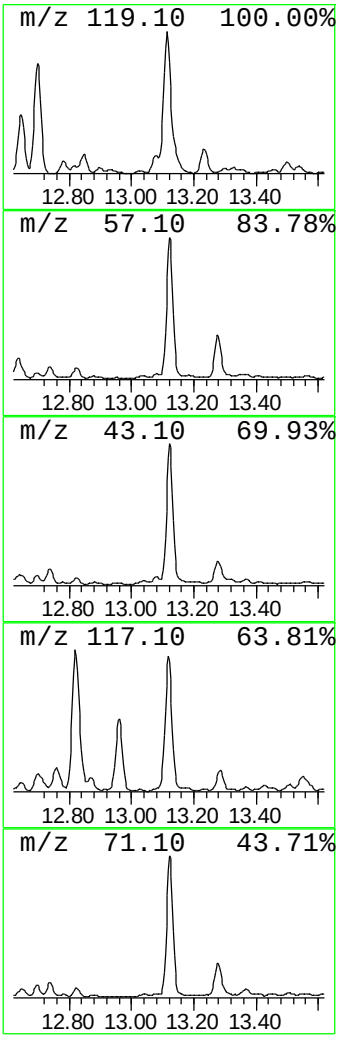
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	171.95 ug/L	10275700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
3	o-Cymene	134	C10H14	000527-84-4	46
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

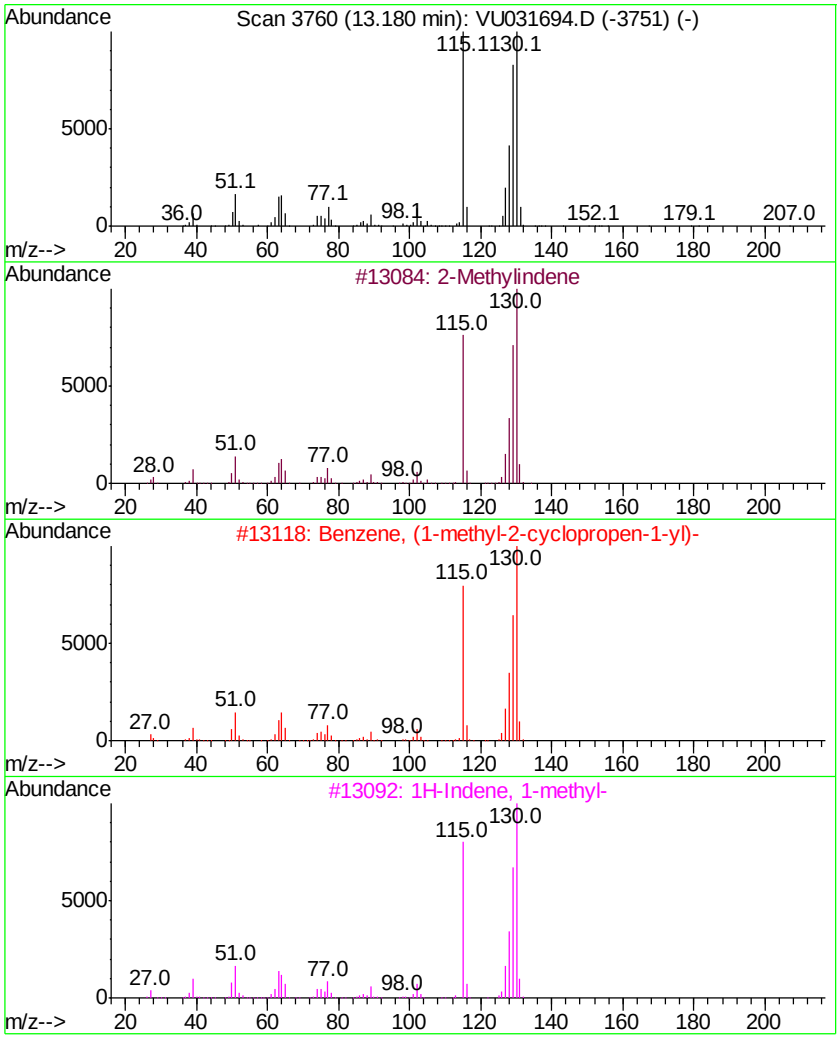
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

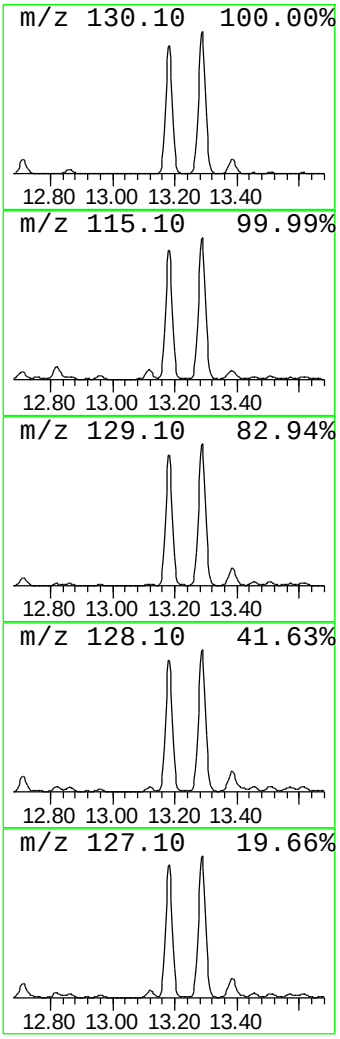
****

Peak Number 44 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	284.38 ug/L	16994800	1,4-Dichlorobenzene-d4	11.48

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

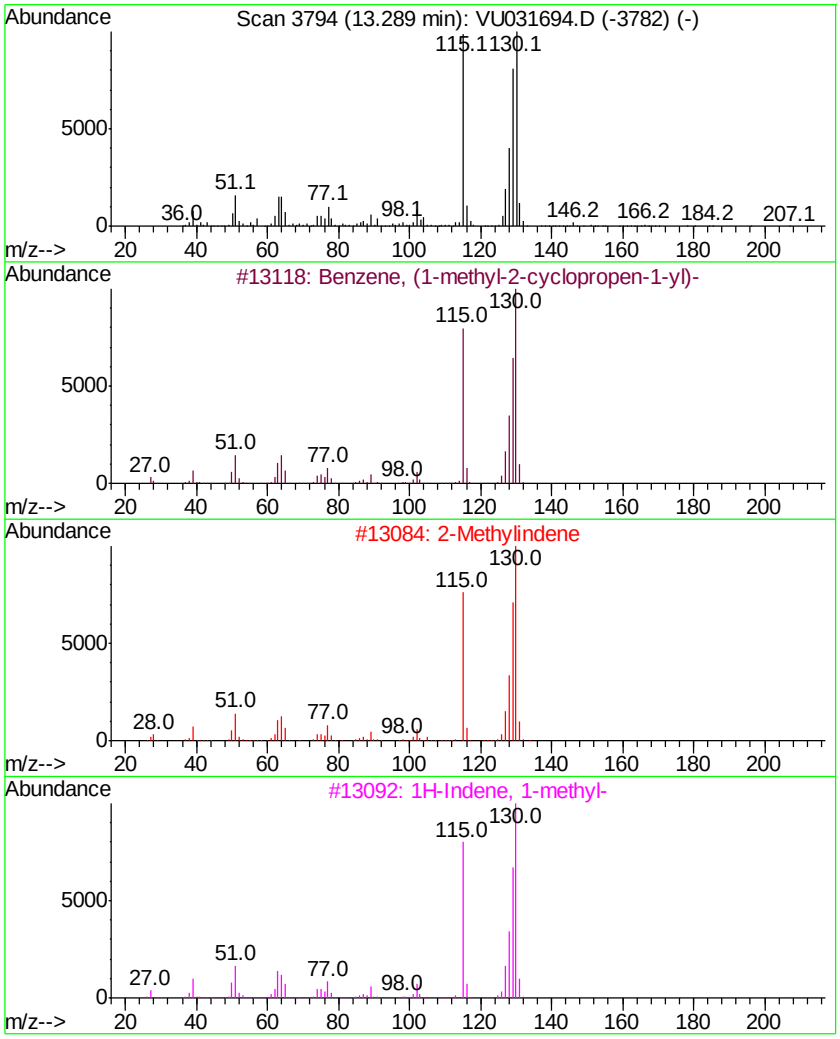
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

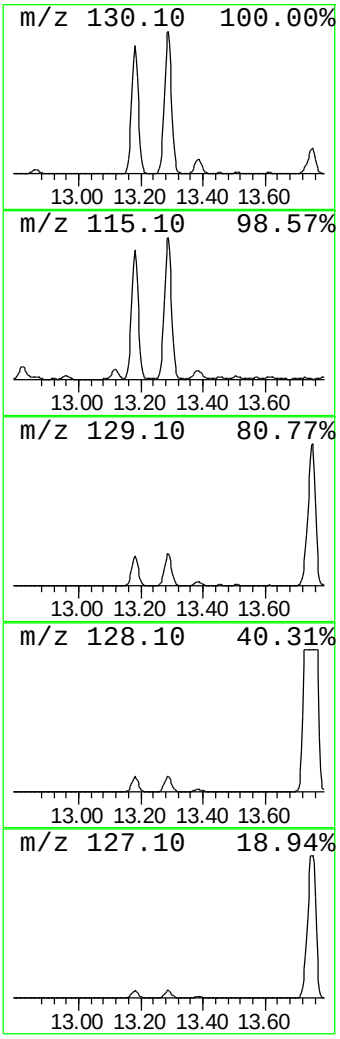
****

Peak Number 45 Benzene, (1-methyl-2-cyclop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	376.97 ug/L	22528100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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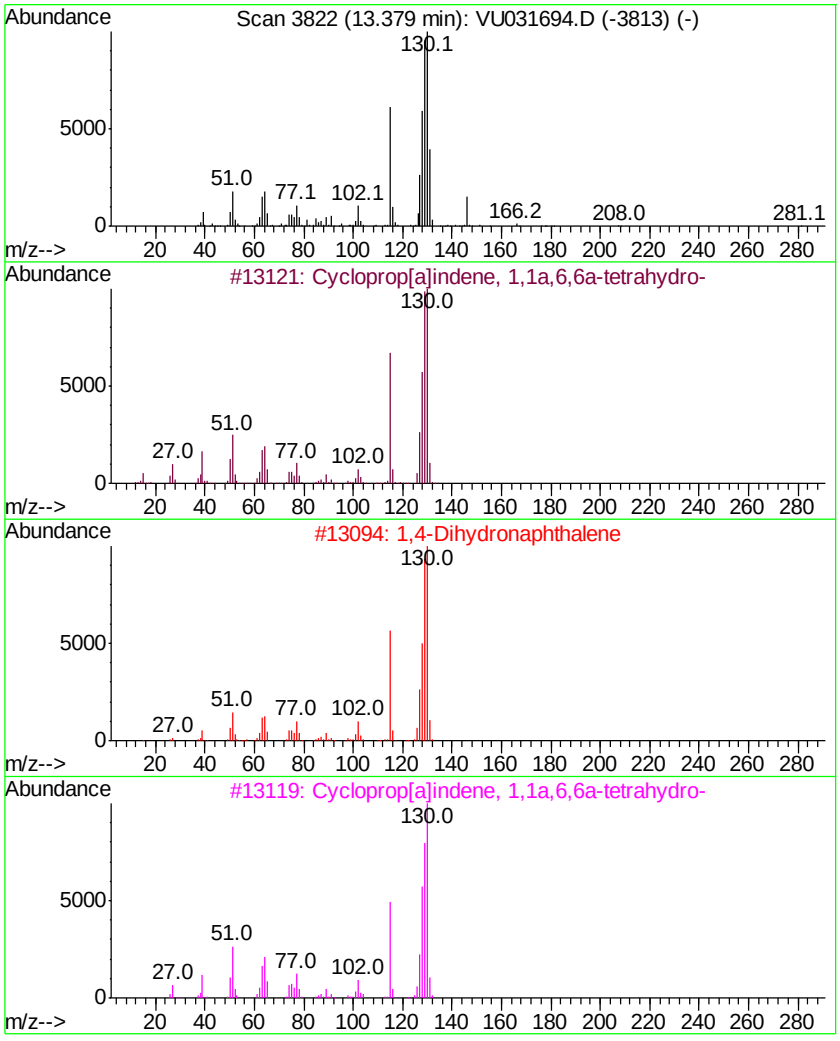
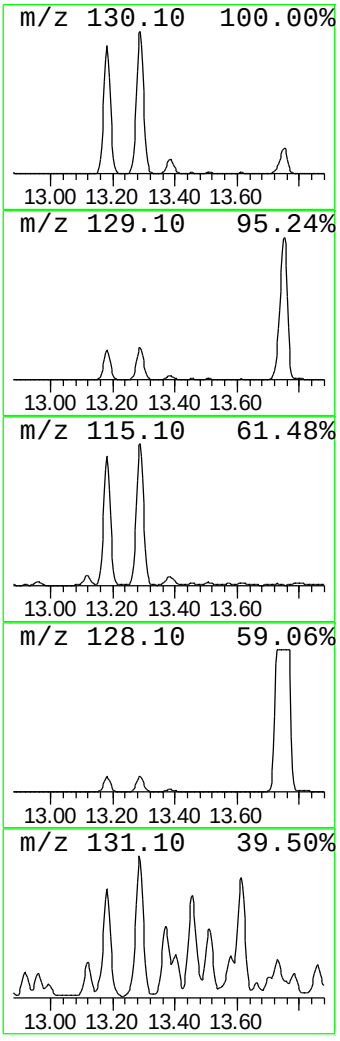
Peak Number 46 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	52.53 ug/L	3139110	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
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	94
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93





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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

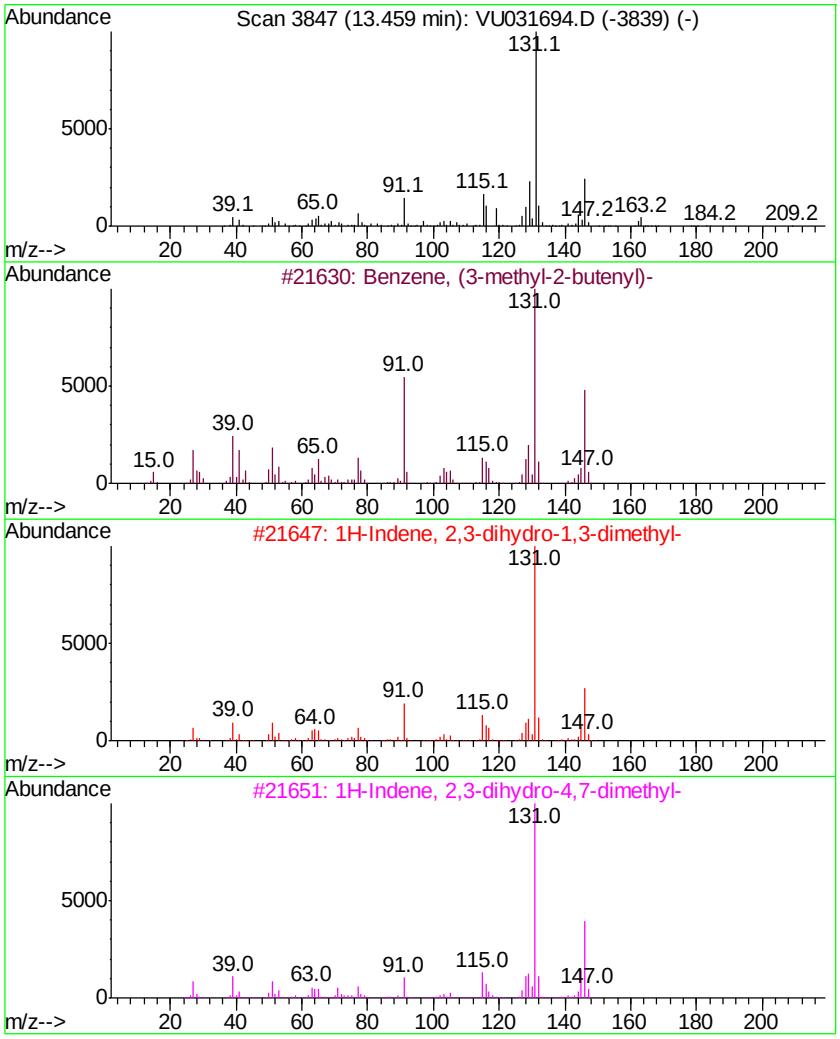
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

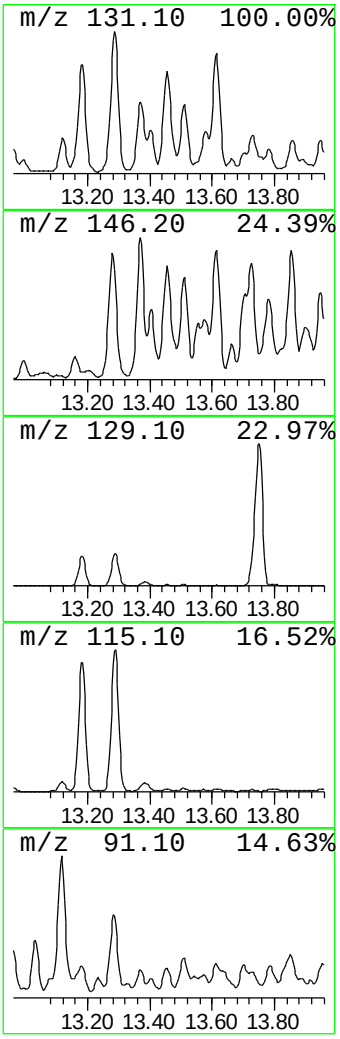
****

Peak Number 47 Benzene, (3-methyl-2-butenyl)- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	13.26 ug/L	792704	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87





Library Search Compound Report

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Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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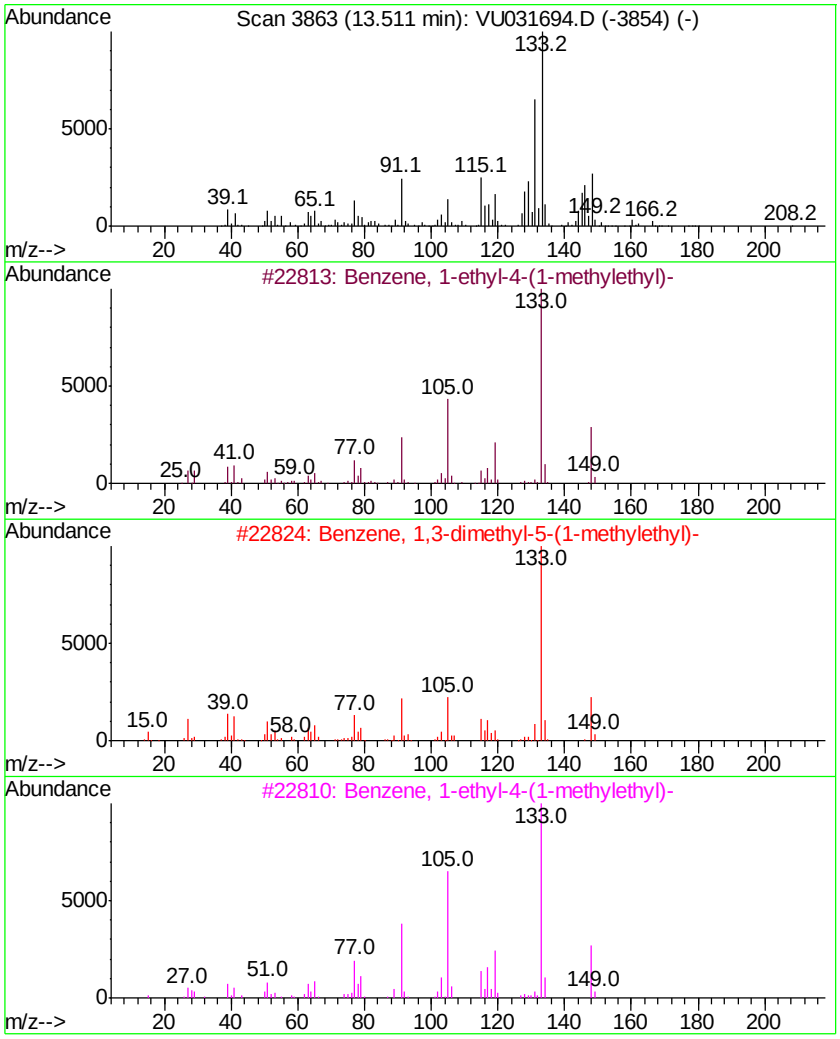
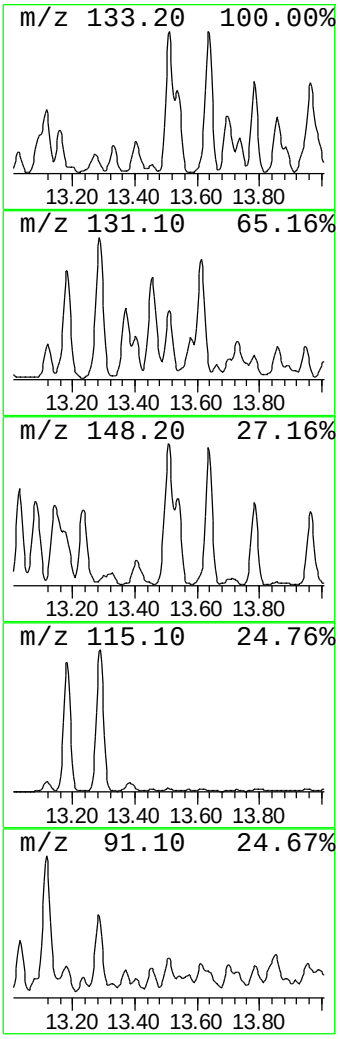
Peak Number 48 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	26.24 ug/L	1567970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	55
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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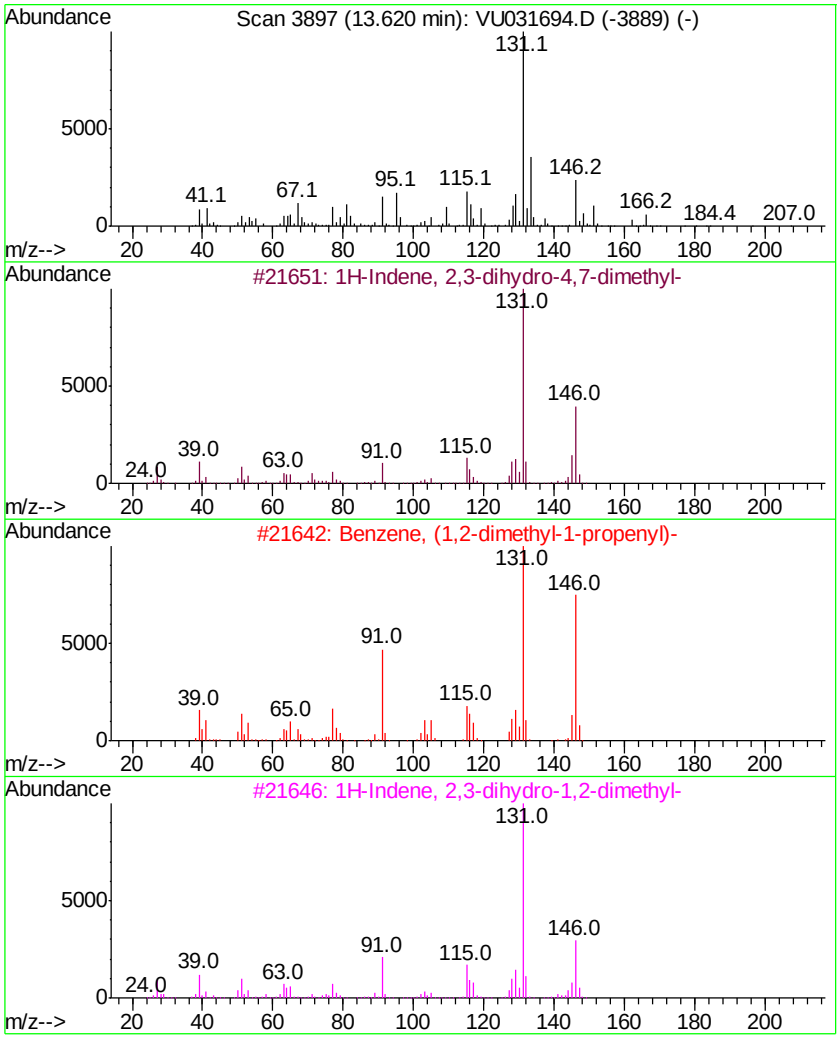
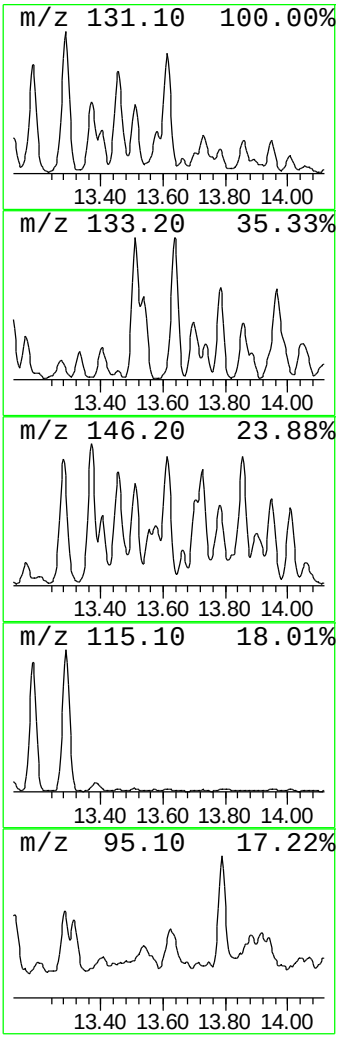
Peak Number 49 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	22.65 ug/L	1353520	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	81
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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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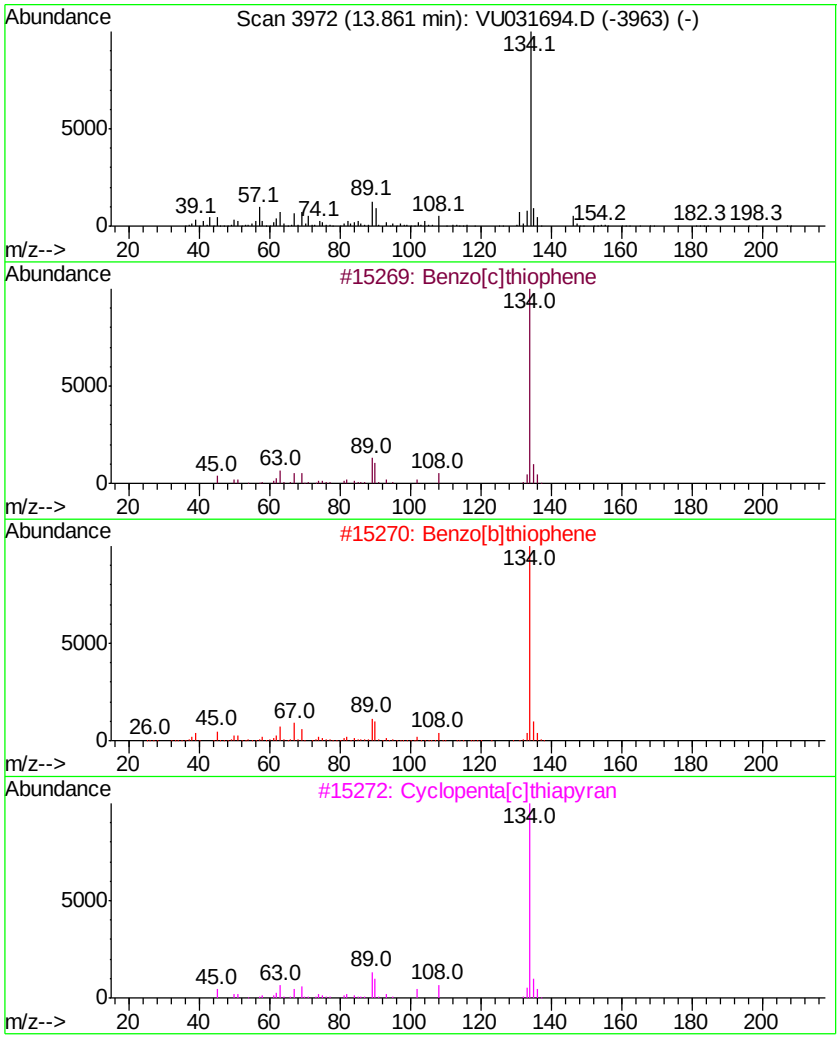
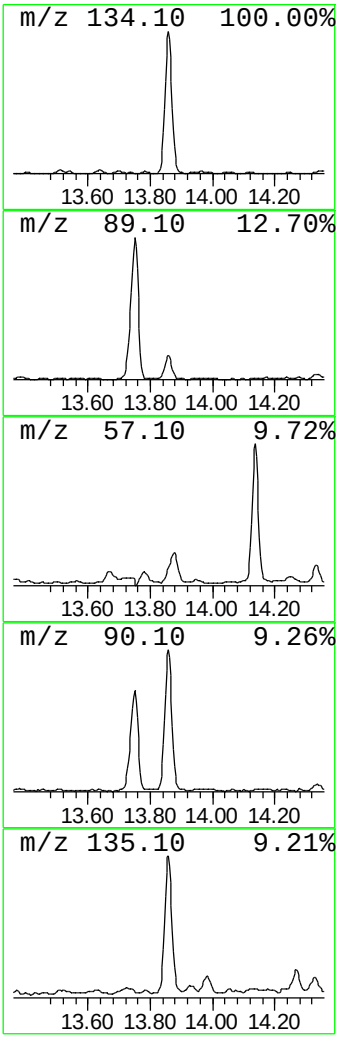
Peak Number 51 Benzo[c]thiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	64.32 ug/L	3843870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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

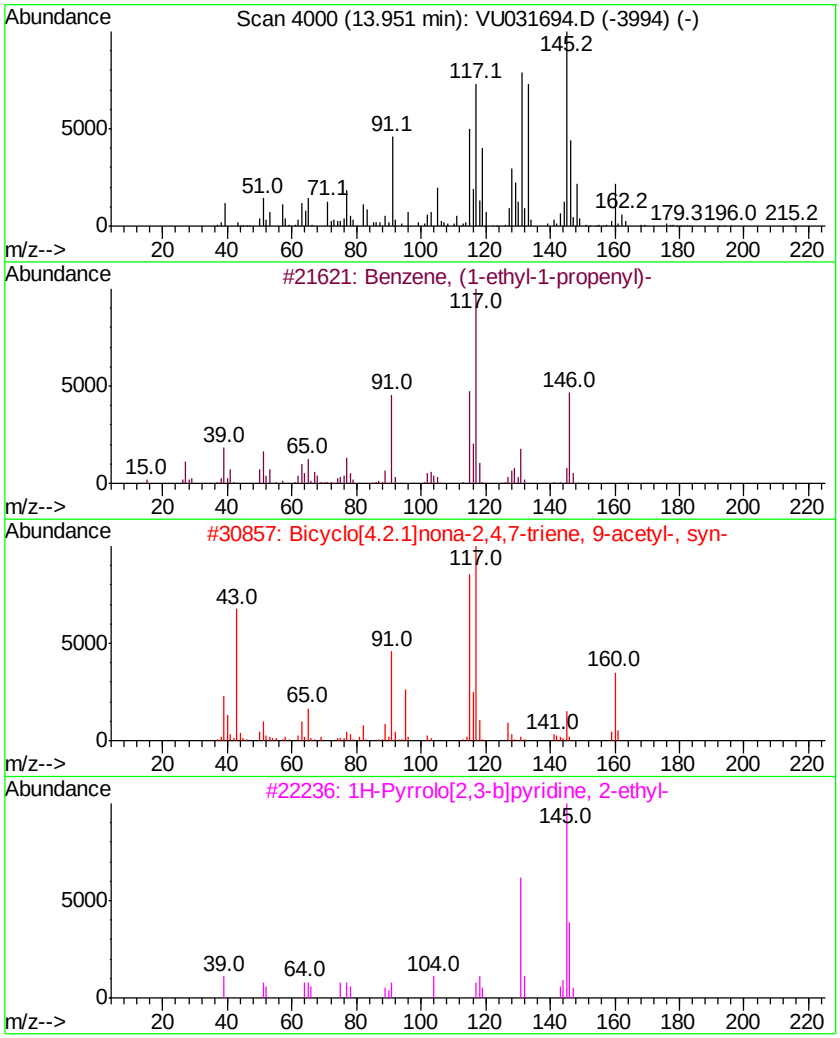
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

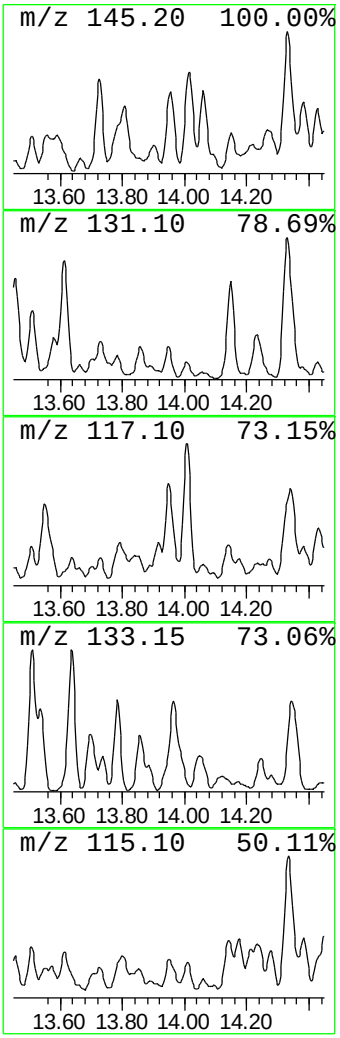
****

Peak Number 52 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	13.29 ug/L	794214	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
2	Bicyclo[4.2.1]nona-2,4,7-triene,...	160	C11H12O	1000141-51-6	44
3	1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	38
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	35
5	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

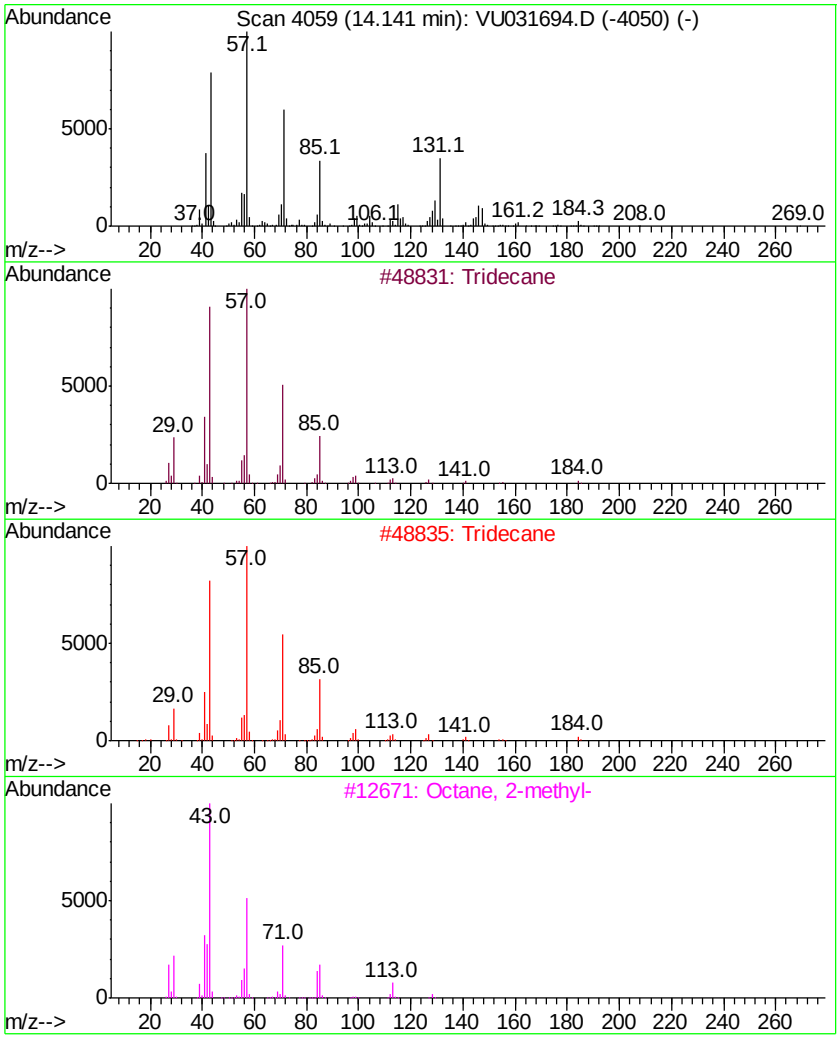
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

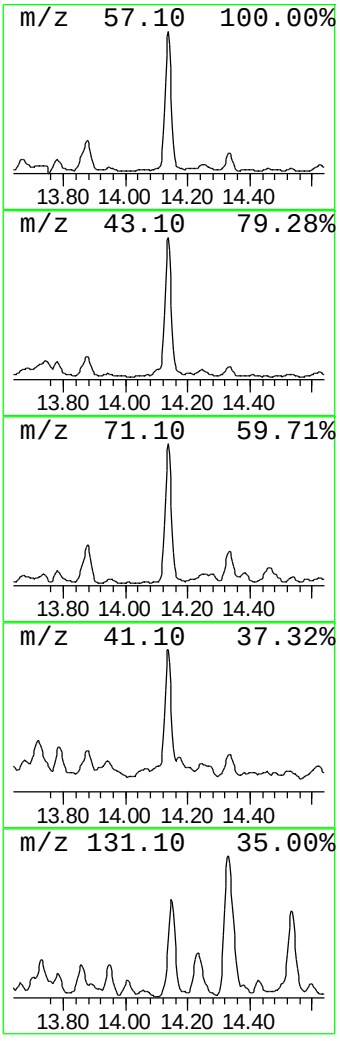
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	68.53 ug/L	4095150	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	78
2	Tridecane	184	C13H28	000629-50-5	78
3	Octane, 2-methyl-	128	C9H20	003221-61-2	52
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	49
5	Tetradecane	198	C14H30	000629-59-4	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031694.D
Acq On : 01 May 2019 18:58
Operator : JC/SP
Sample : K2603-17 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ69

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: Str...	8.91	3.8	ug/L	220672	2	9.09	2940080	50.0
(DEL) Alkane: Str...	9.03	4.3	ug/L	252566	2	9.09	2940080	50.0
(DEL) Alkane: Str...	9.44	29.0	ug/L	1704180	2	9.09	2940080	50.0
(DEL) Alkane: Cyc...	9.71	5.3	ug/L	313766	2	9.09	2940080	50.0
(DEL) Alkane: Str...	9.95	12.7	ug/L	746803	2	9.09	2940080	50.0
(DEL) Alkane: Cyc...	10.04	7.1	ug/L	420028	2	9.09	2940080	50.0
(DEL) Alkane: Str...	10.09	7.3	ug/L	431641	2	9.09	2940080	50.0
(DEL) Alkane: Str...	10.32	7.0	ug/L	419812	3	11.48	2988040	50.0
(DEL) Alkane: Cyc...	10.49	11.0	ug/L	655440	3	11.48	2988040	50.0
Benzene, propyl-	10.58	13.2	ug/L	786061	3	11.48	2988040	50.0
Benzene, 1-ethyl-...	10.68	83.4	ug/L	4986060	3	11.48	2988040	50.0
Benzene, 1,2,3-tr...	10.77	78.4	ug/L	4686040	3	11.48	2988040	50.0
(DEL) Alkane: Str...	10.81	54.2	ug/L	3240970	3	11.48	2988040	50.0
.alpha.-Methylsty...	10.99	32.1	ug/L	1920910	3	11.48	2988040	50.0
Benzene, 1-etheny...	11.21	246.8	ug/L	14749700	3	11.48	2988040	50.0
Benzene, cyclopro...	11.26	87.7	ug/L	5237970	3	11.48	2988040	50.0
(DEL) Alkane: Str...	11.33	8.3	ug/L	494904	3	11.48	2988040	50.0
Benzofuran	11.40	25.7	ug/L	1535910	3	11.48	2988040	50.0
Bicyclo[4.2.0]oct...	11.62	34.2	ug/L	2041840	3	11.48	2988040	50.0
(DEL) Alkane: Str...	11.70	6.3	ug/L	373494	3	11.48	2988040	50.0
Indane	11.76	43.0	ug/L	2570840	3	11.48	2988040	50.0
Benzene, 1-methyl...	11.81	16.3	ug/L	971230	3	11.48	2988040	50.0
Indene	11.98	858.0	ug/L	51274100	3	11.48	2988040	50.0
(DEL) Alkane: Str...	12.02	61.3	ug/L	3663200	3	11.48	2988040	50.0
Benzene, 2-ethyl-...	12.14	14.1	ug/L	839469	3	11.48	2988040	50.0
Benzene, 1-ethyl-...	12.17	18.8	ug/L	1121370	3	11.48	2988040	50.0
Benzene, 1-methyl...	12.22	19.5	ug/L	1163290	3	11.48	2988040	50.0
Benzene, 1-etheny...	12.30	23.6	ug/L	1410410	3	11.48	2988040	50.0
Benzene, 2-etheny...	12.42	81.1	ug/L	4844100	3	11.48	2988040	50.0
2,4-Dimethylstyrene	12.48	38.6	ug/L	2304630	3	11.48	2988040	50.0
(DEL) Alkane: Cyc...	12.61	29.4	ug/L	1755390	3	11.48	2988040	50.0
Benzene, 1,2,4,5-...	12.64	27.5	ug/L	1645610	3	11.48	2988040	50.0
Benzene, (2-methy...	12.82	59.7	ug/L	3567170	3	11.48	2988040	50.0
1-Phenyl-1-butene	12.96	27.2	ug/L	1627140	3	11.48	2988040	50.0
Benzene, pentyl-	13.03	10.5	ug/L	628574	3	11.48	2988040	50.0
Benzene, 1-methyl...	13.08	9.3	ug/L	558301	3	11.48	2988040	50.0
(DEL) Alkane: Str...	13.12	171.9	ug/L	10275700	3	11.48	2988040	50.0
2-Methylindene	13.18	284.4	ug/L	16994800	3	11.48	2988040	50.0
Benzene, (1-methy...	13.29	377.0	ug/L	22528100	3	11.48	2988040	50.0
Cycloprop[a]inden...	13.38	52.5	ug/L	3139110	3	11.48	2988040	50.0
Benzene, (3-methy...	13.46	13.3	ug/L	792704	3	11.48	2988040	50.0
Benzene, 1-ethyl-...	13.51	26.2	ug/L	1567970	3	11.48	2988040	50.0
1H-Indene, 2,3-di...	13.62	22.6	ug/L	1353520	3	11.48	2988040	50.0
Benzo[c]thiophene	13.86	64.3	ug/L	3843870	3	11.48	2988040	50.0
Benzene, (1-ethyl...	13.95	13.3	ug/L	794214	3	11.48	2988040	50.0
(DEL) Alkane: Str...	14.14	68.5	ug/L	4095150	3	11.48	2988040	50.0