LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

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\SOMULM041719WMA.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	1.180	23	28	37	rVB2	14041	15364	0.05%	0.010%
2	1.289	59	62	67	rBV2	8168	6965	0.02%	0.004%
3	1.395	88	95	114	rBV	177501	276346	0.88%	0.174%
4	1.675	176	182	197	rBV	125458	244840	0.78%	0.154%
5	2.241	348	358	375	rVB	436521	700076	2.24%	0.440%
6	2.482	431	433	436	rBV4	1355	835	0.00%	0.001%
7	2.514	436	443	446	rBV7	3517	4950	0.02%	0.003%
8	2.682	487	495	496	rBV6	6504	6330	0.02%	0.004%
9	2.778	523	525	530	rVB5	1534	917	0.00%	0.001%
10	2.810	530	535	538	rBV5	1203	1016	0.00%	0.001%
11	2.839	538	544	546	rBV6	936	998	0.00%	0.001%
12	3.000	589	594	596	rBV4	803	831	0.00%	0.001%
13	3.151	637	641	645	rVB4	892	739	0.00%	0.000%
14	3.283	674	682	687	rVB6	1670	2295	0.01%	0.001%
15	3.620	785	787	793	rVB3	766	716	0.00%	0.000%
16	4.035	914	916	919	rVV2	1113	705	0.00%	0.000%
17	4.135	943	947	951	rBV3	923	1001	0.00%	0.001%
18	4.209	955	970	1018	rBV2	105525	535103	1.71%	0.336%
19	4.640	1087	1104	1130	rBV	299866	813694	2.60%	0.511%
20	4.878	1169	1178	1181	rBV9	1808	2468	0.01%	0.002%
21	5.328	1297	1318	1349	rBV2	741140	2121496	6.78%	1.333%
22	5.614	1401	1407	1408	rBV3	1798	1734	0.01%	0.001%
23	5.672	1423	1425	1430	rVB6	1824	1432	0.00%	0.001%
24	5.791	1459	1462	1467	rBV5	1471	1436	0.00%	0.001%
25	5.881	1476	1490	1530	rBV	679642	1591529	5.09%	1.000%
26	6.173	1571	1581	1588	rBV10	5910	12467	0.04%	0.008%
27	6.231	1596	1599	1600	rBV3	1517	804	0.00%	0.001%
28	6.247	1601	1604	1605	rBV3	1809	1112	0.00%	0.001%
29	6.328	1614	1629	1659	rVB	429309	991724	3.17%	0.623%
30	6.543	1693	1696	1700	rVB3	1228	760	0.00%	0.000%
31	6.598	1709	1713	1718	rVB4	1249	1185	0.00%	0.001%
32	6.624	1718	1721	1727	rVB7	1257	1229	0.00%	0.001%
33	6.900	1802	1807	1808	rVV3	1113	1031	0.00%	0.001%
34	7.138	1875	1881	1884	rBV3	1197	1059	0.00%	0.001%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

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\SOMULM041719WMA.M
Title : VOC Analysis

35	7.225	1893	1908	1937	rBV2	203265	456263	1.46%	0.287%
36	7.408	1961	1965	1967	rBV3	1093	871	0.00%	0.001%
37	7.437	1970	1974	1978	rVV5	801	783	0.00%	0.000%
38	7.562	2000	2013	2038	rBV	747798	1508326	4.82%	0.948%
39	7.852	2091	2103	2132	rBV	125363	295354	0.94%	0.186%
40	8.341	2235	2255	2287	rBV	505954	1314635	4.20%	0.826%
41	8.501	2302	2305	2310	rBV4	1604	1357	0.00%	0.001%
42	8.659	2350	2354	2357	rBV3	854	798	0.00%	0.001%
43	8.710	2366	2370	2373	rBV3	1136	762	0.00%	0.000%
44	8.906	2427	2431	2438	rVB5	2178	2000	0.01%	0.001%
45	8.945	2438	2443	2447	rBV4	930	903	0.00%	0.001%
46	9.093	2475	2489	2526	rVV	835187	1676717	5.36%	1.054%
47	9.344	2562	2567	2569	rBV5	1352	1224	0.00%	0.001%
48	9.379	2570	2578	2593	rVV3	12421	23974	0.08%	0.015%
49	9.495	2610	2614	2618	rBV7	1207	1320	0.00%	0.001%
50	9.530	2622	2625	2627	rVB3	1189	770	0.00%	0.000%
51	9.758	2690	2696	2697	rVV	2148	1739	0.01%	0.001%
52	9.810	2698	2712	2725	rVV8	10686	31484	0.10%	0.020%
53	9.922	2745	2747	2752	rVB3	2031	1288	0.00%	0.001%
54	9.948	2752	2755	2758	rBV3	1399	903	0.00%	0.001%
55	10.025	2776	2779	2784	rVB3	819	789	0.00%	0.000%
56	10.054	2784	2788	2792	rBV5	2054	1691	0.01%	0.001%
57	10.305	2860	2866	2871	rBV8	1840	2607	0.01%	0.002%
58	10.357	2878	2882	2887	rBV6	1010	1048	0.00%	0.001%
59	10.437	2892	2907	2932	rBV	569811	969374	3.10%	0.609%
60	10.611	2958	2961	2963	rVB3	1548	859	0.00%	0.001%
61	10.652	2969	2974	2976	rBV3	1290	1097	0.00%	0.001%
62	10.684	2977	2984	2989	rBV4	6720	9472	0.03%	0.006%
63	10.778	3006	3013	3022	rVB2	8938	12845	0.04%	0.008%
64	10.977	3070	3075	3077	rBV5	2880	2584	0.01%	0.002%
65	11.151	3121	3129	3140	rVB3	36821	58593	0.19%	0.037%
66	11.221	3142	3151	3160	rVV2	38724	58661	0.19%	0.037%
67	11.273	3161	3167	3178	rVB3	13285	21013	0.07%	0.013%
68	11.392	3200	3204	3205	rBV4	1151	764	0.00%	0.000%
69	11.485	3221	3233	3252	rBV	1053711	1673245	5.35%	1.051%
70	11.572	3253	3260	3270	rVB	32963	51736	0.17%	0.033%
71	11.768	3309	3321	3329	rBV5	14091	31152	0.10%	0.020%

LSC Area Percent Report

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Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

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\SOMULM041719WMA.M
Title : VOC Analysis

72	11.861	3339	3350	3369	rVB	934601	1536250	4.91%	0.965%
73	11.983	3381	3388	3395	rBV	42685	62511	0.20%	0.039%
74	12.151	3432	3440	3442	rBV4	21411	28285	0.09%	0.018%
75	12.427	3517	3526	3537	rVB	194267	291680	0.93%	0.183%
76	12.488	3538	3545	3557	rVB6	40355	73976	0.24%	0.046%
77	12.646	3588	3594	3603	rVB	100507	144321	0.46%	0.091%
78	12.700	3603	3611	3626	rBV	231092	411368	1.31%	0.258%
79	12.823	3642	3649	3663	rBV3	132701	247513	0.79%	0.156%
80	12.961	3687	3692	3703	rVB2	73996	104052	0.33%	0.065%
81	13.118	3733	3741	3756	rVB2	769021	1142253	3.65%	0.718%
82	13.289	3783	3794	3810	rBV4	543683	1097566	3.51%	0.690%
83	13.366	3813	3818	3825	rVB	124899	154262	0.49%	0.097%
84	13.739	3928	3934	3942	rVB	705175	998406	3.19%	0.627%
85	14.138	4050	4058	4067	rBV2	1674917	2376179	7.60%	1.493%
86	14.337	4112	4120	4130	rBV5	574766	938112	3.00%	0.589%
87	14.874	4277	4287	4302	rVB	11509363	17843223	57.04%	11.212%
88	15.060	4334	4345	4363	rVB2	9639227	17294094	55.28%	10.867%
89	15.797	4566	4574	4581	rBV	2471704	3548717	11.34%	2.230%
90	15.913	4598	4610	4624	rBV	18472230	31283118	100.00%	19.657%
91	16.057	4644	4655	4662	rBV	15311450	24407447	78.02%	15.337%
92	16.096	4663	4667	4684	rVB	8105366	10714492	34.25%	6.733%
93	16.186	4686	4695	4706	rBV	2463115	3810647	12.18%	2.394%
94	16.282	4708	4725	4748	rVB	3566096	9935315	31.76%	6.243%
95	16.427	4761	4770	4781	rBV	1758194	2777373	8.88%	1.745%
96	16.520	4789	4799	4816	rVB	4478560	7913349	25.30%	4.972%
97	16.732	4858	4865	4870	rBV	893433	1397990	4.47%	0.878%
98	17.015	4947	4953	4978	rVB2	794815	1634380	5.22%	1.027%
99	17.163	4992	4999	5009	rVB	564478	879426	2.81%	0.553%
100	17.224	5011	5018	5029	rVB	357180	533823	1.71%	0.335%

Sum of corrected areas: 159144316

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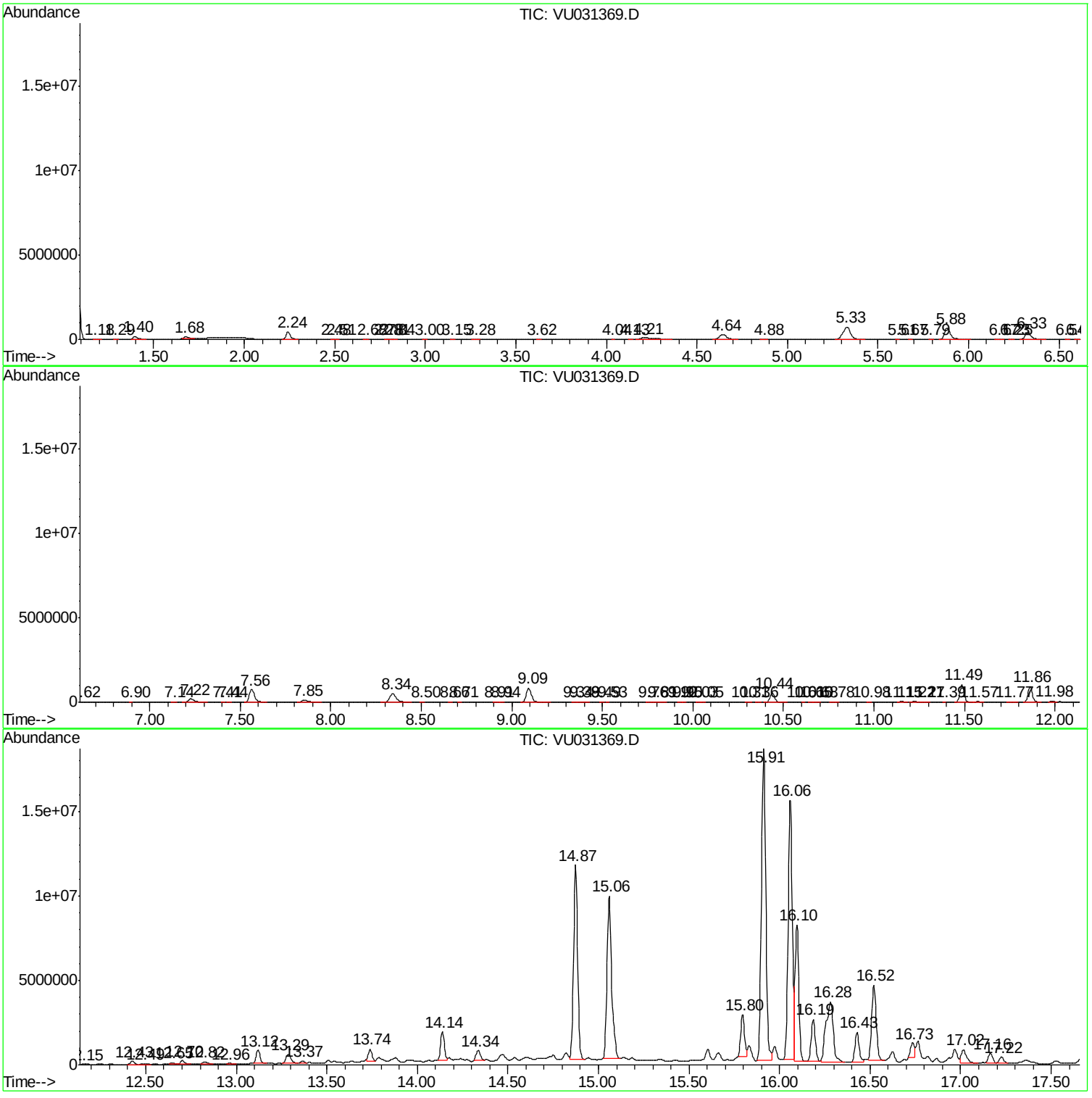
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
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Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

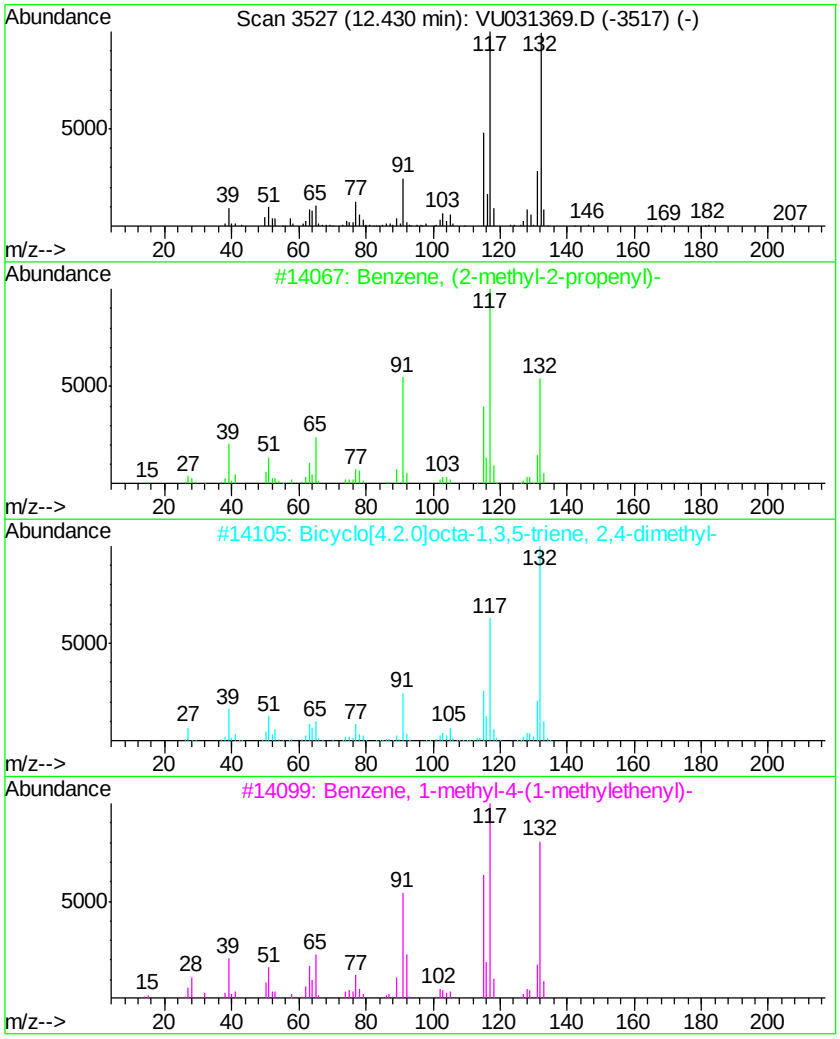
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

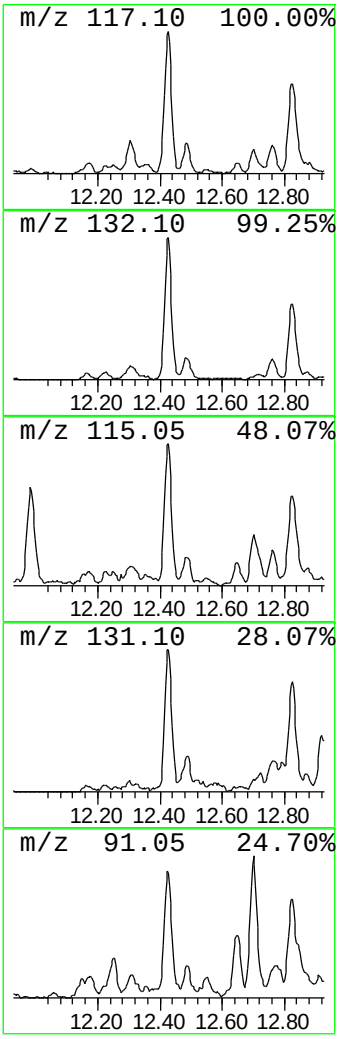
****

Peak Number 2 Benzene, (2-methyl-2-propen... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.72 ug/L	291680	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
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Acq On : 19 Apr 2019 19:07
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Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

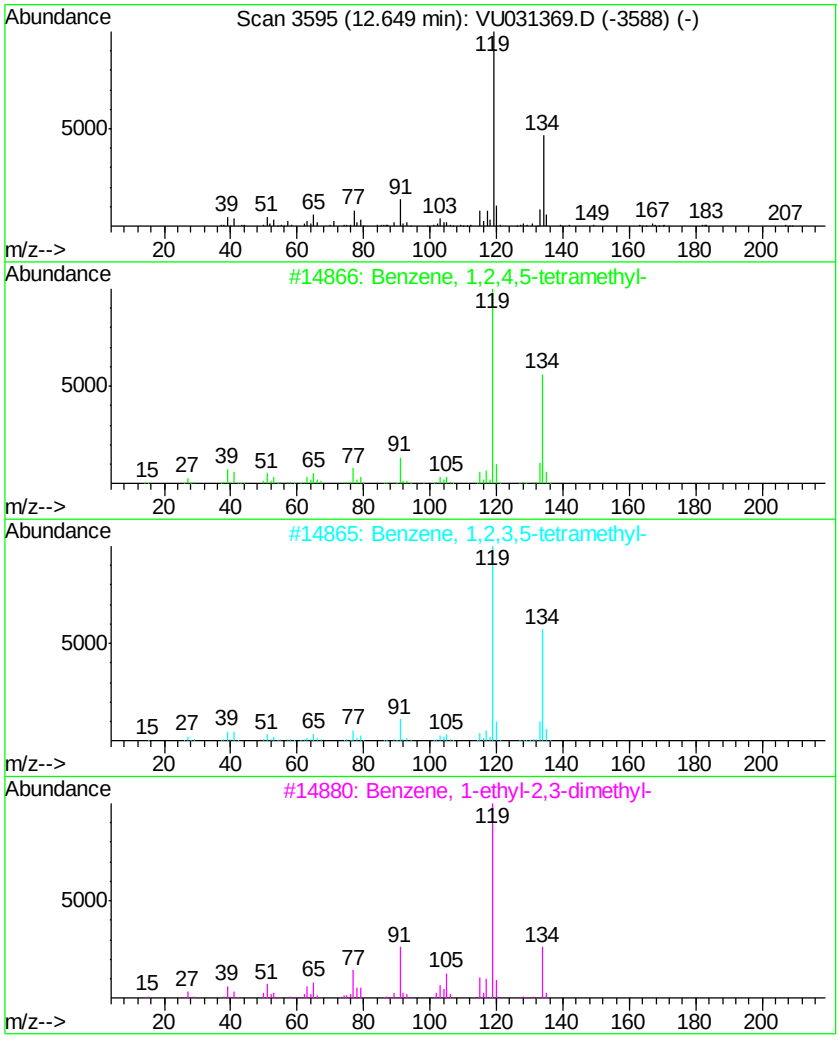
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

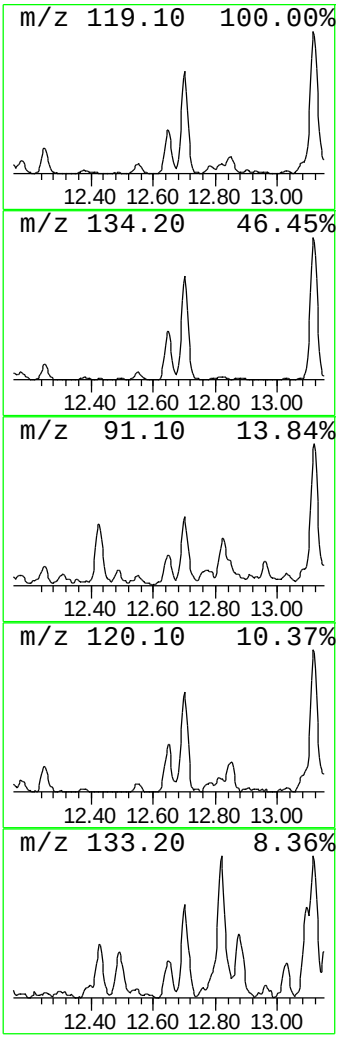
****

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	4.31 ug/L	144321	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	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

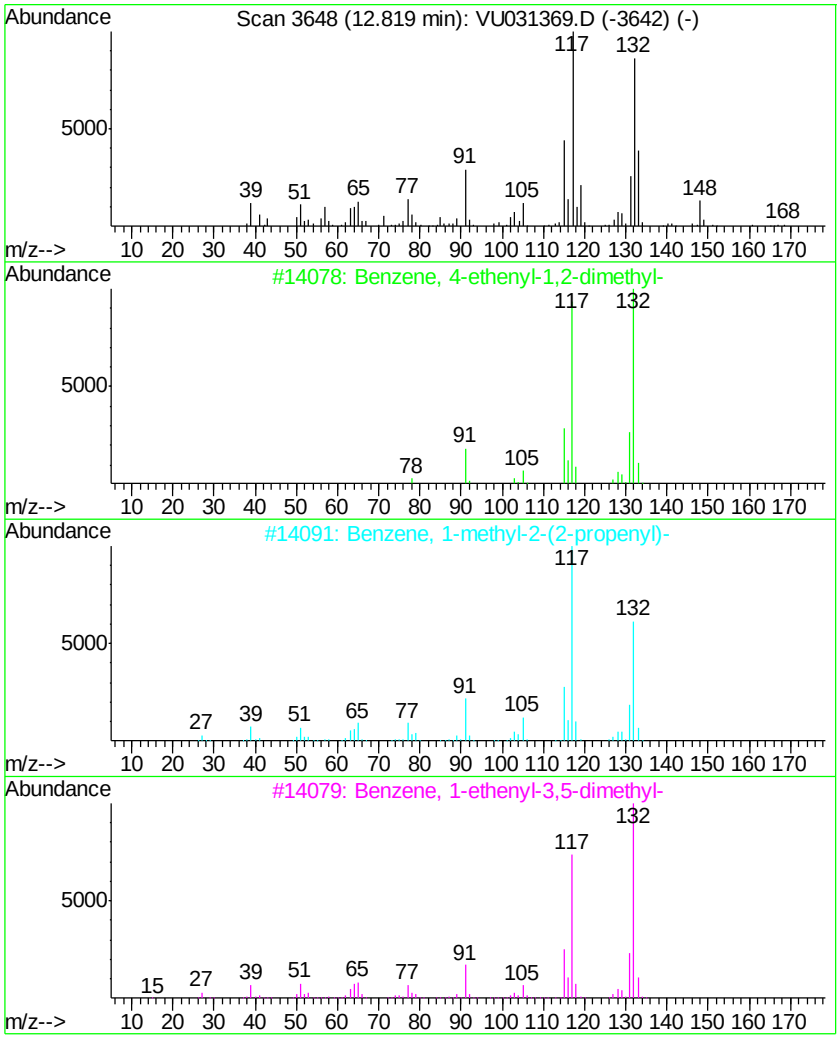
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

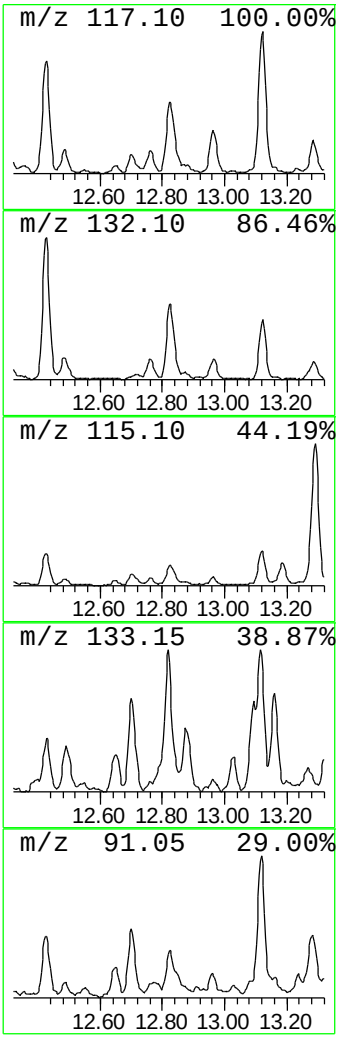
****

Peak Number 5 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	7.40 ug/L	247513	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

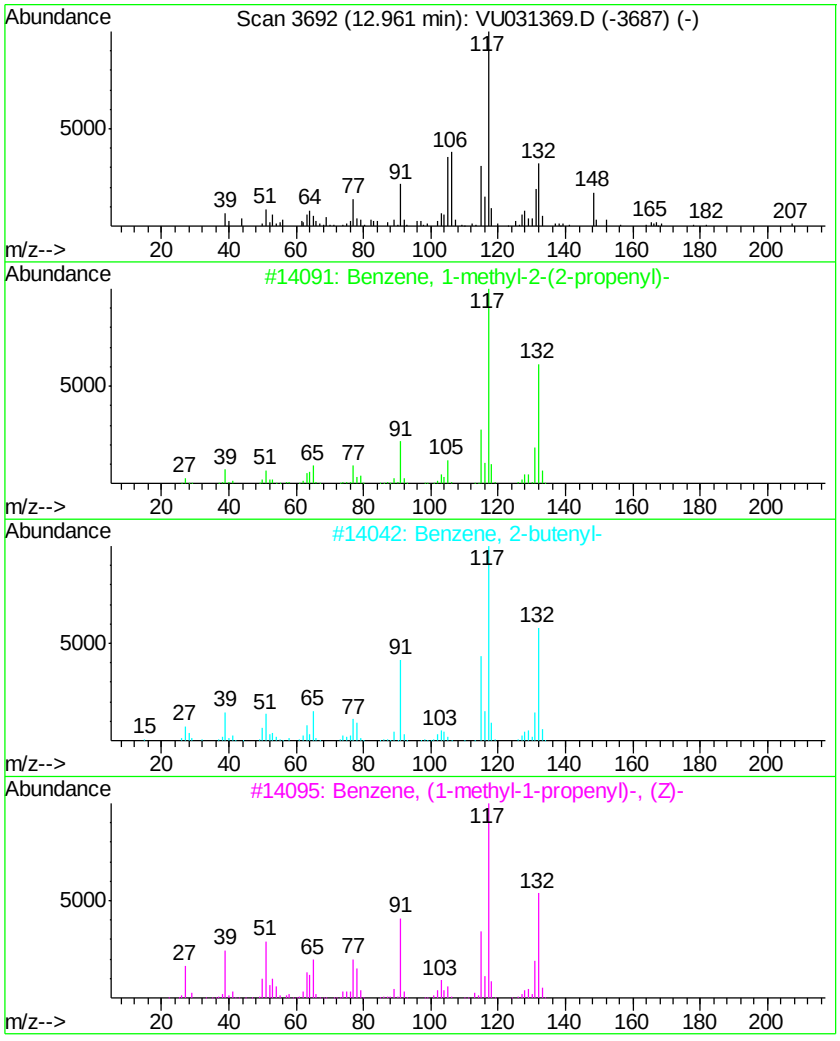
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

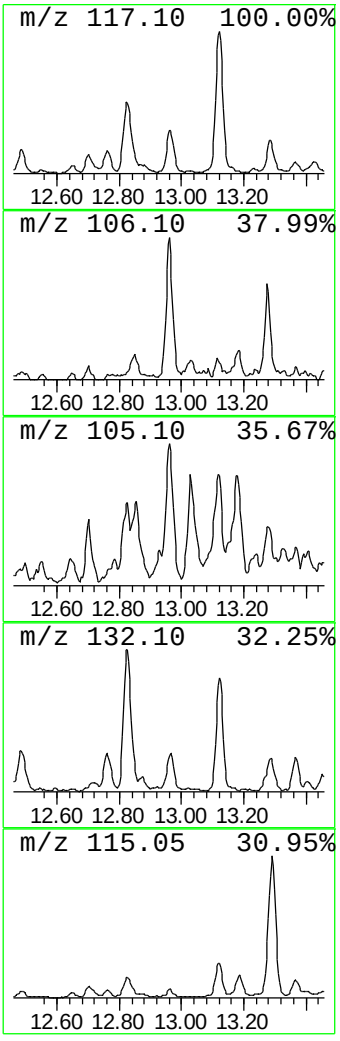
****

Peak Number 6 Benzene, 1-methyl-2-(2-prop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.11 ug/L	104052	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70





Library Search Compound Report

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Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
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Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

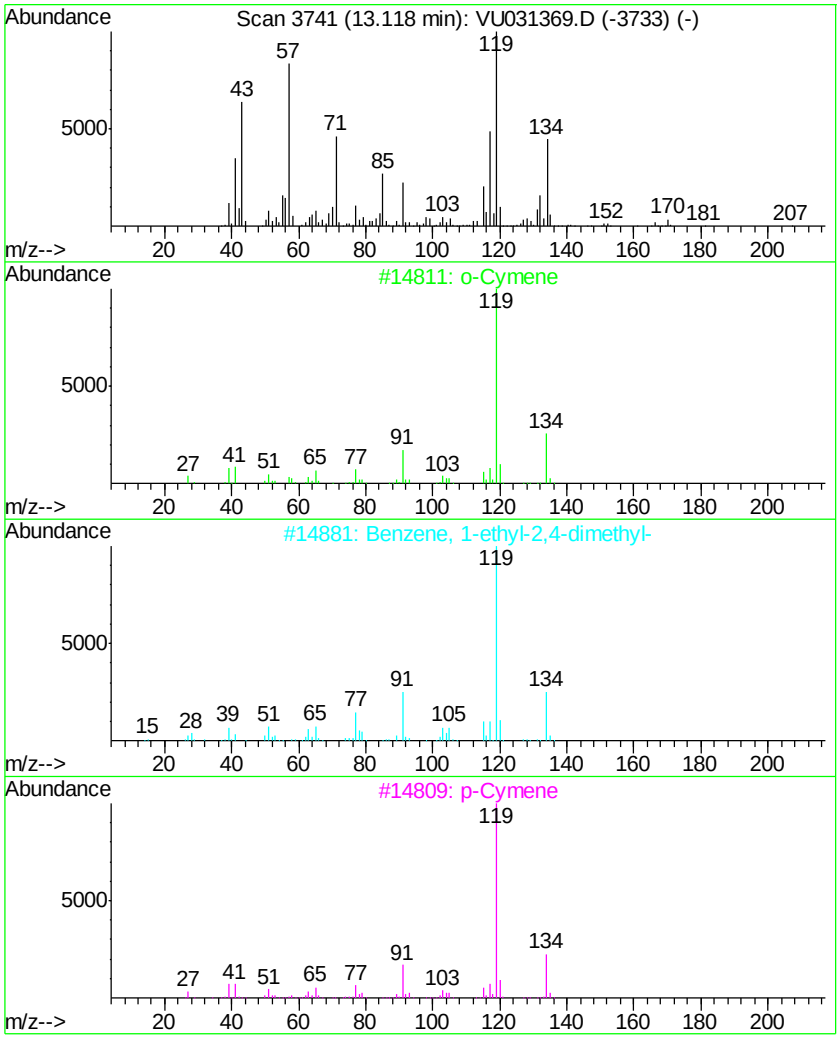
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

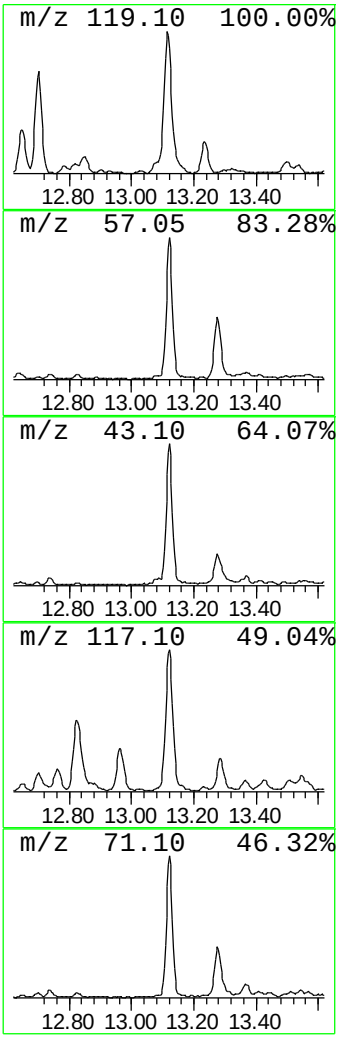
****

Peak Number 7 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	34.13 ug/L	1142250	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	50
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
3	p-Cymene	134	C10H14	000099-87-6	50
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50





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Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

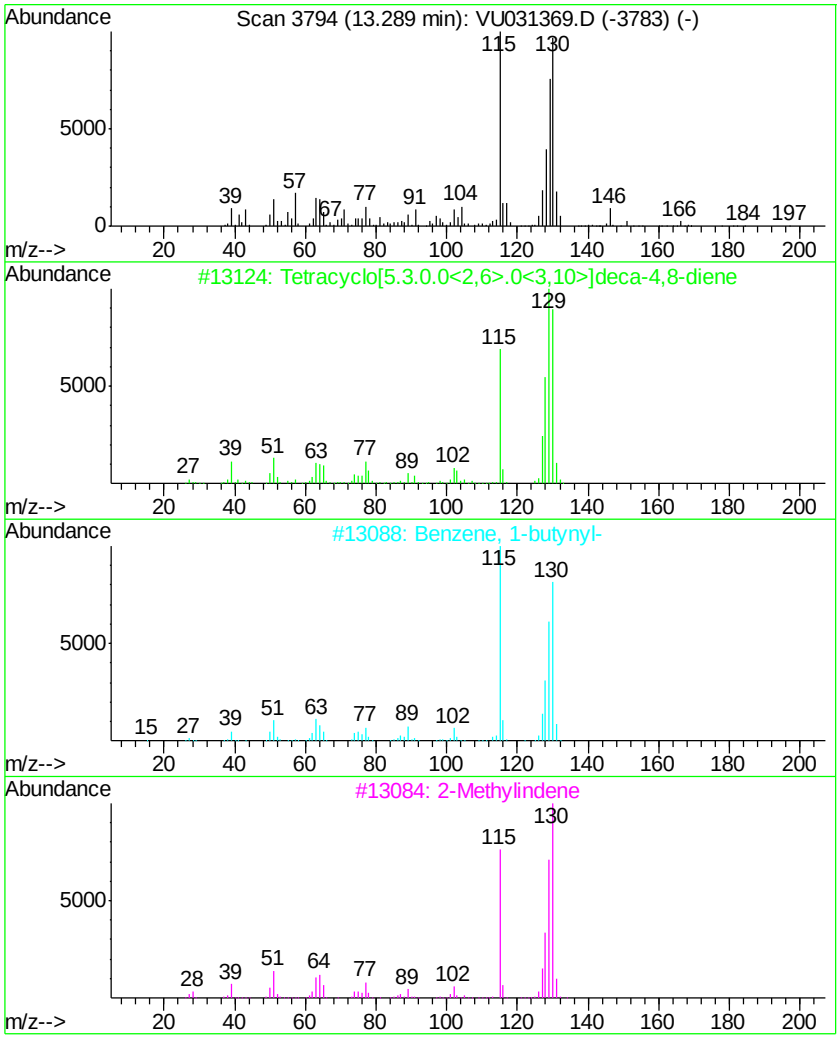
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

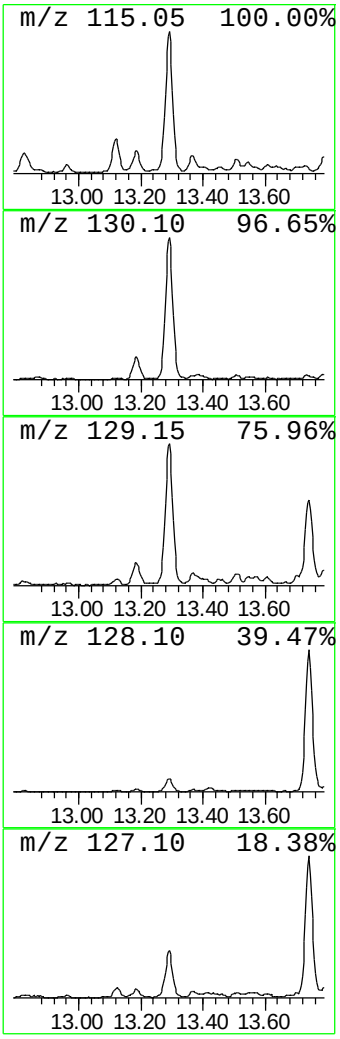
****

Peak Number 8 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	32.80 ug/L	1097570	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	96
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
3	2-Methylindene	130	C10H10	002177-47-1	95
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





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Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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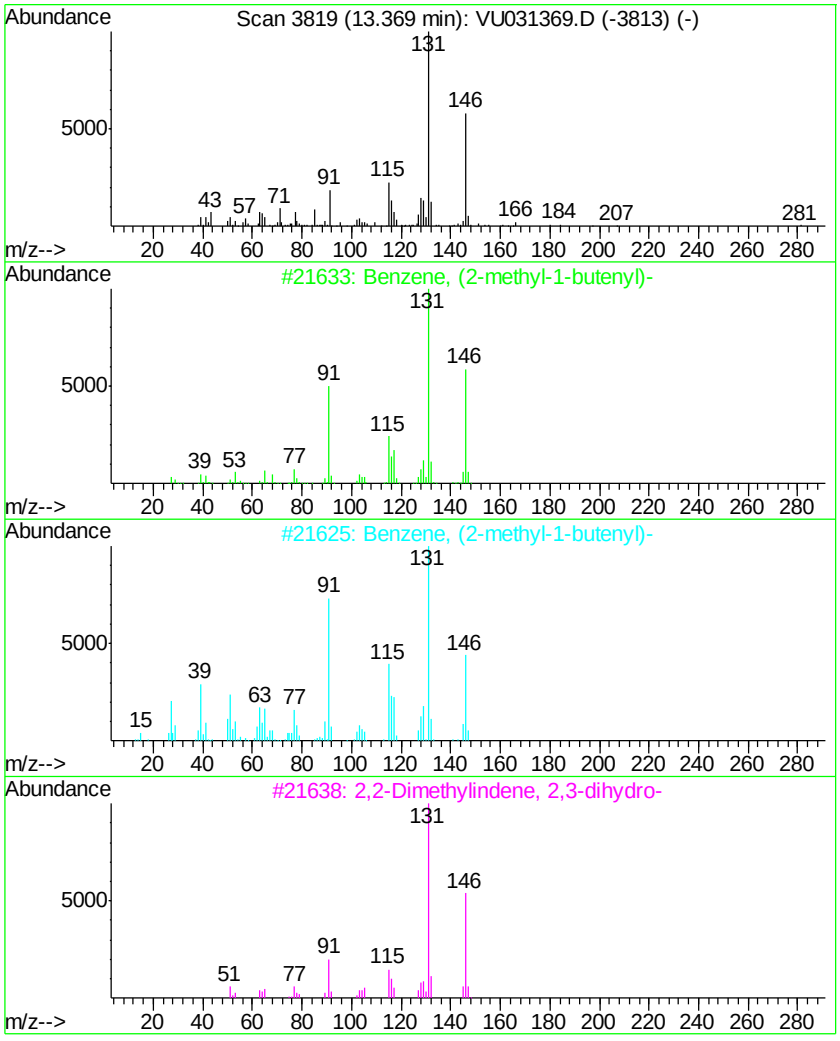
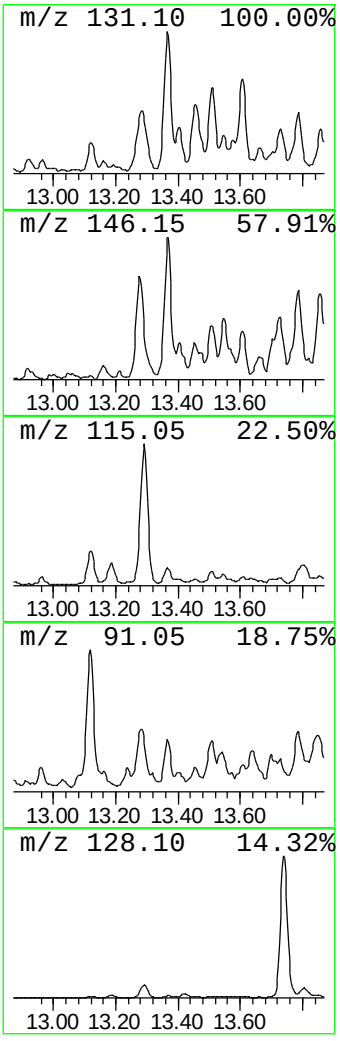
Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	4.61 ug/L	154262	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





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Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

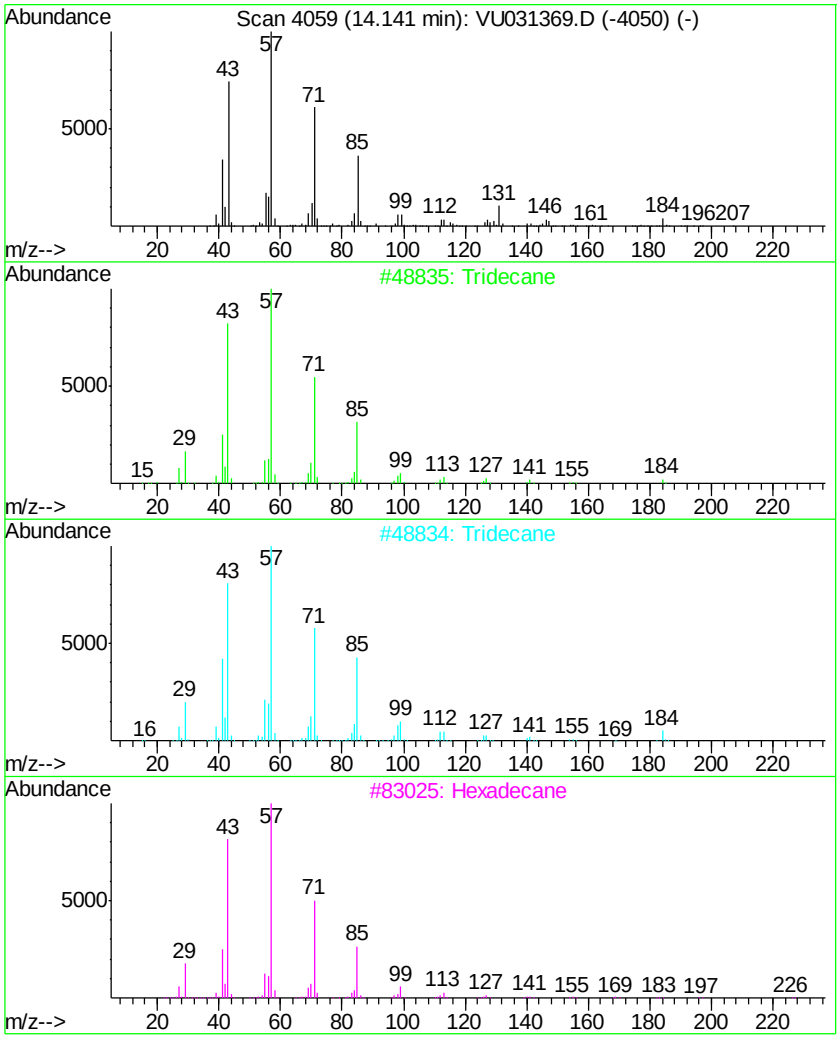
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

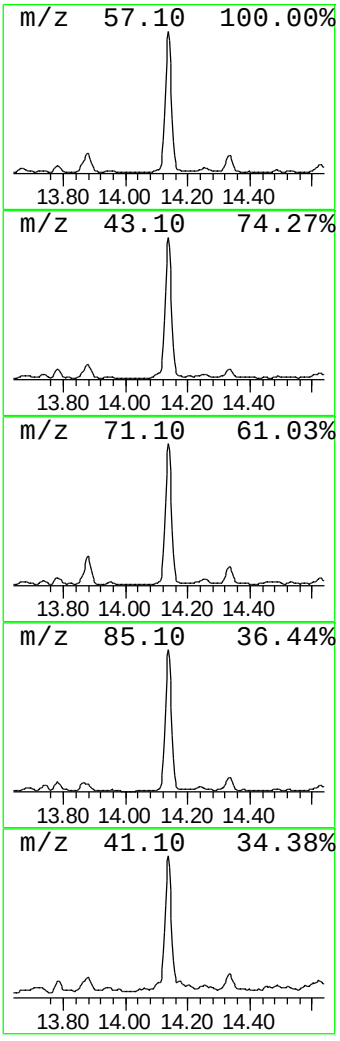
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	71.01 ug/L	2376180	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	92
3	Hexadecane	226	C16H34	000544-76-3	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Dodecane	170	C12H26	000112-40-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
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Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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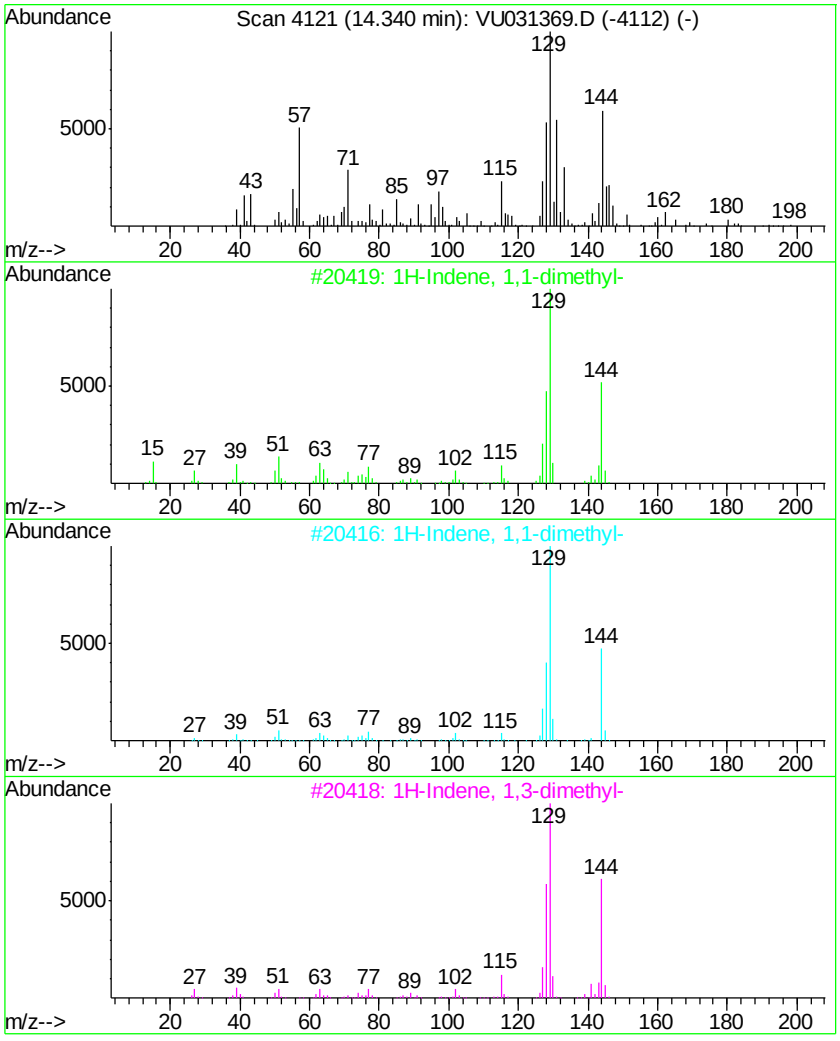
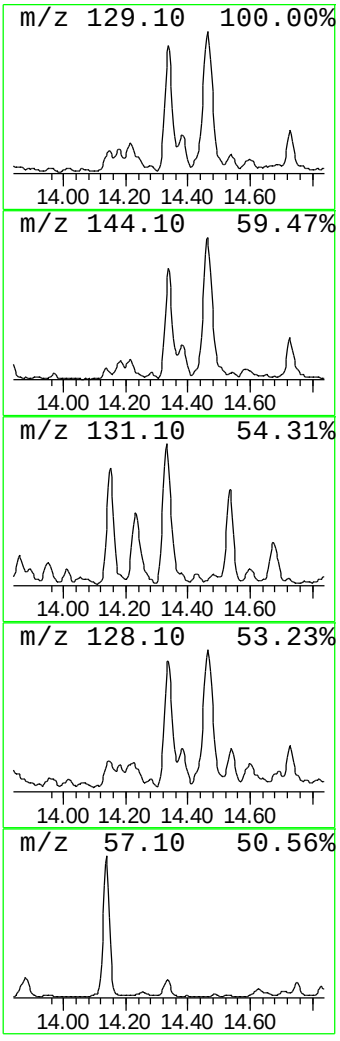
Peak Number 12 1H-Indene, 1,1-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	28.03 ug/L	938112	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	83
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	64
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	64
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	64
5	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	55





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Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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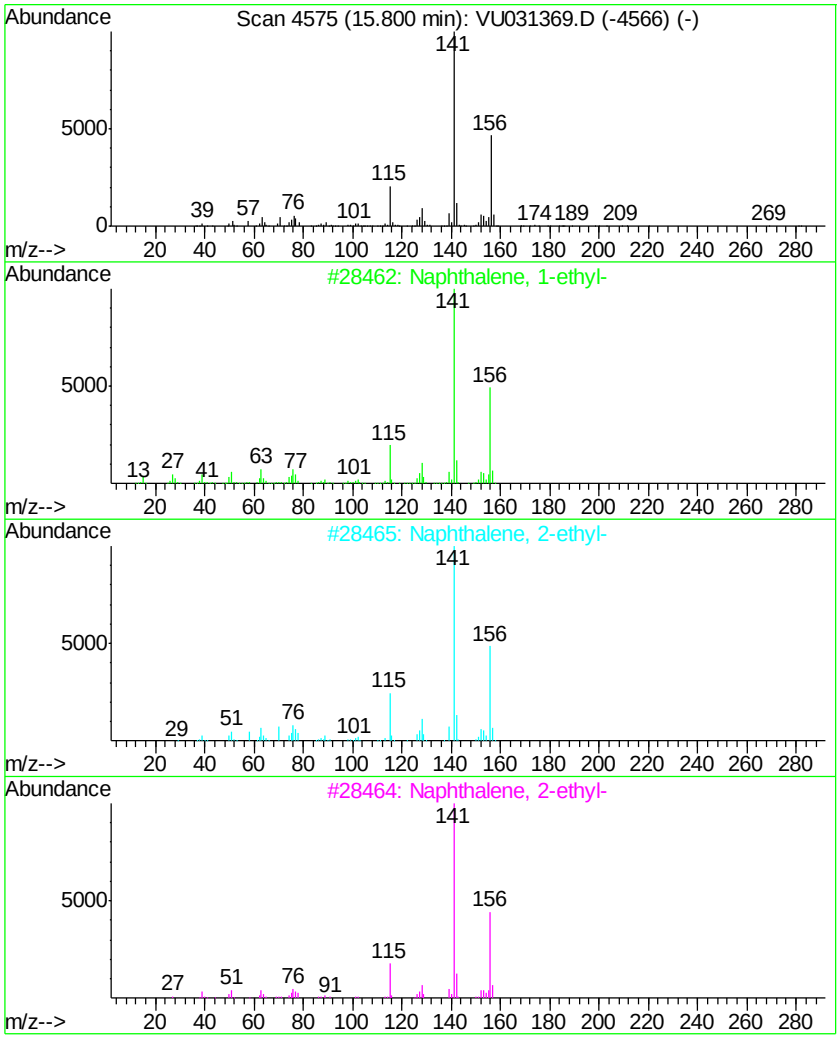
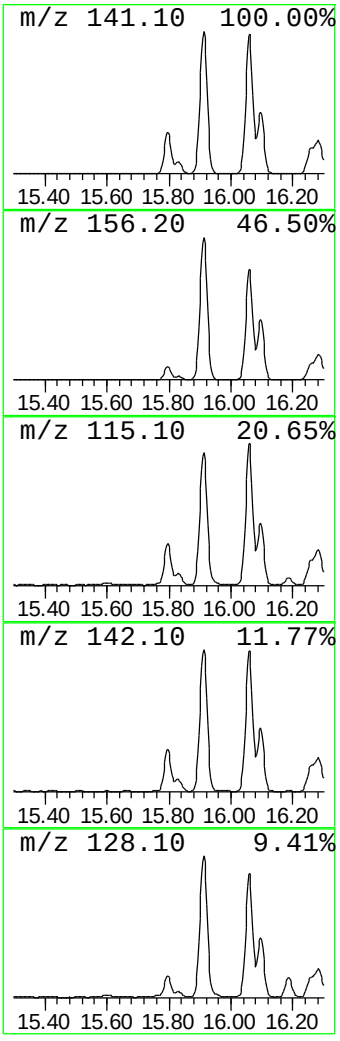
Peak Number 15 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	106.04 ug/L	3548720	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

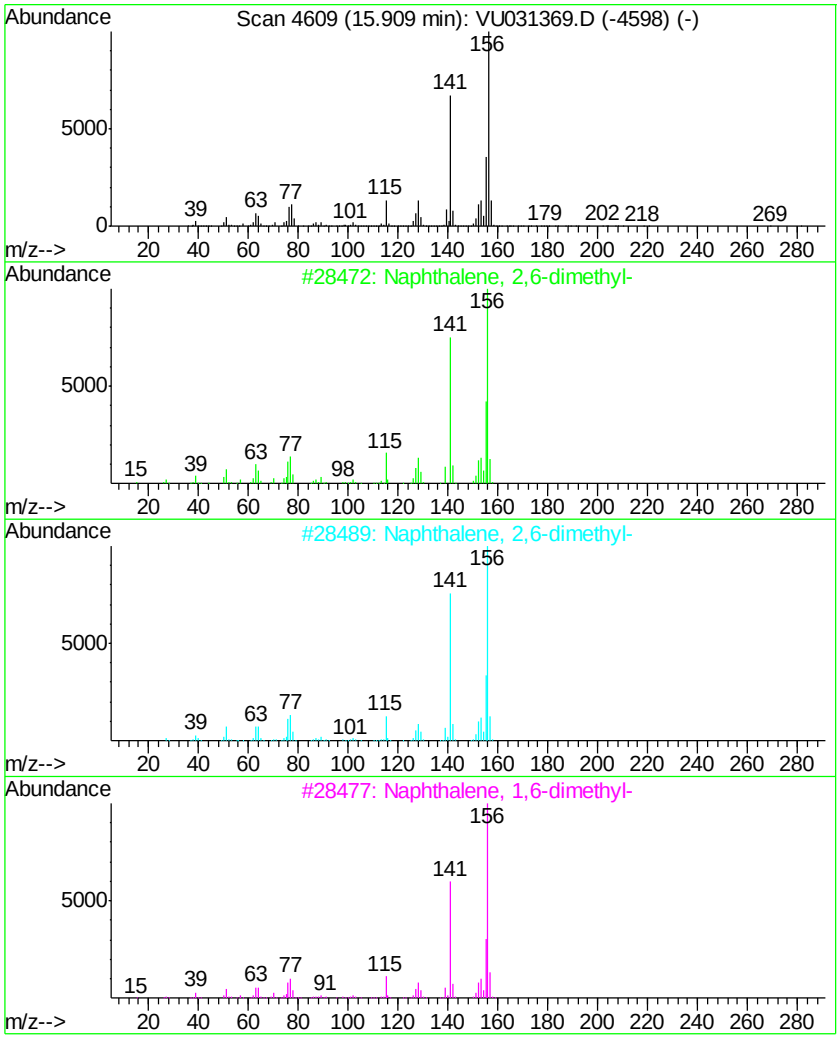
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

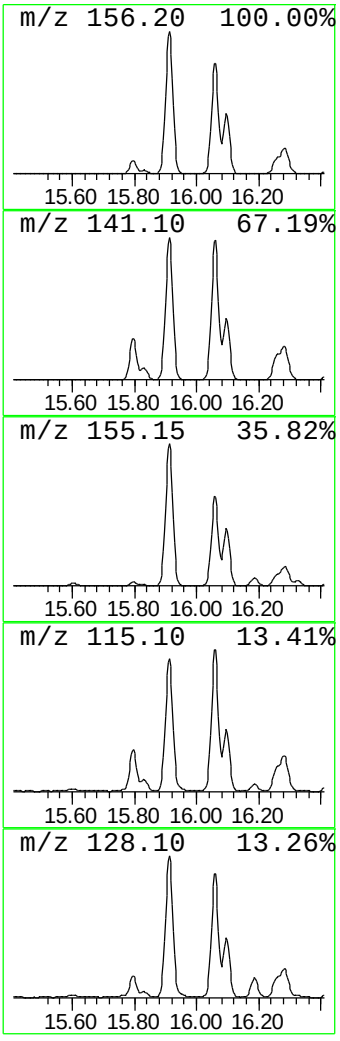
****

Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	934.80 ug/L	31283100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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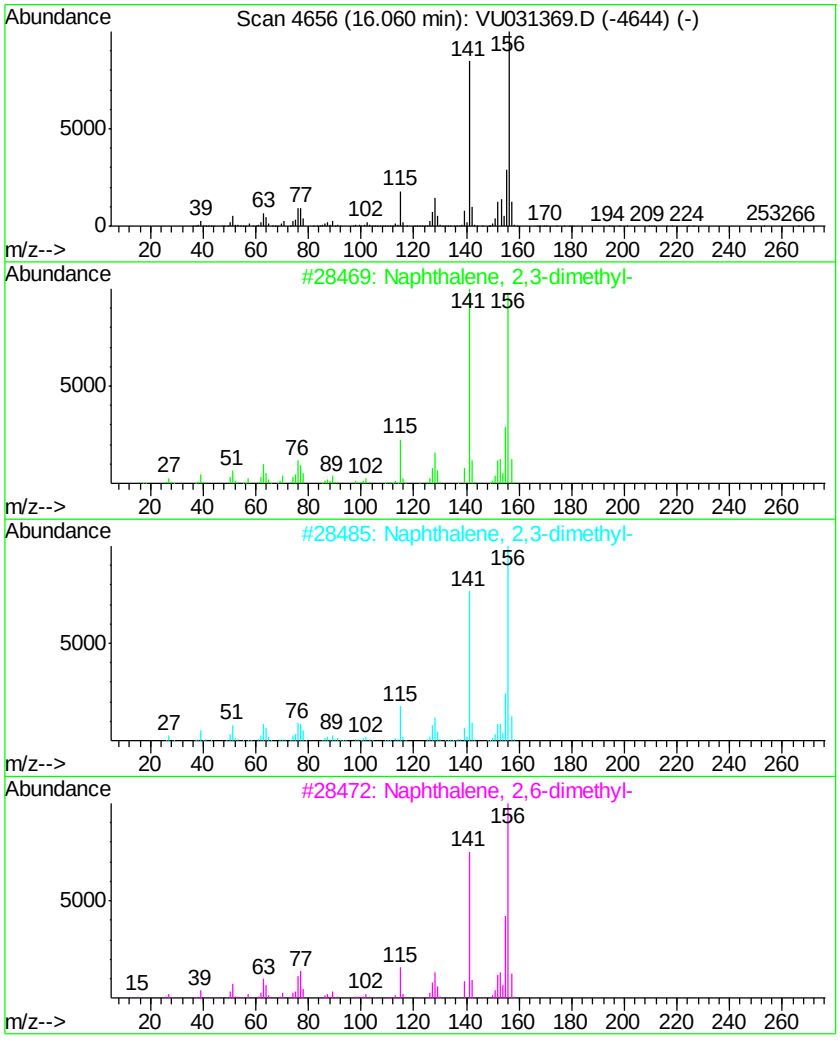
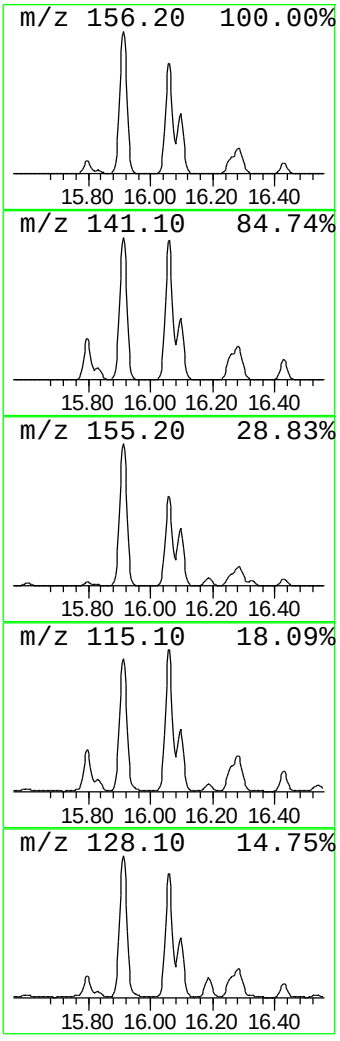
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	729.35 ug/L	24407400	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

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Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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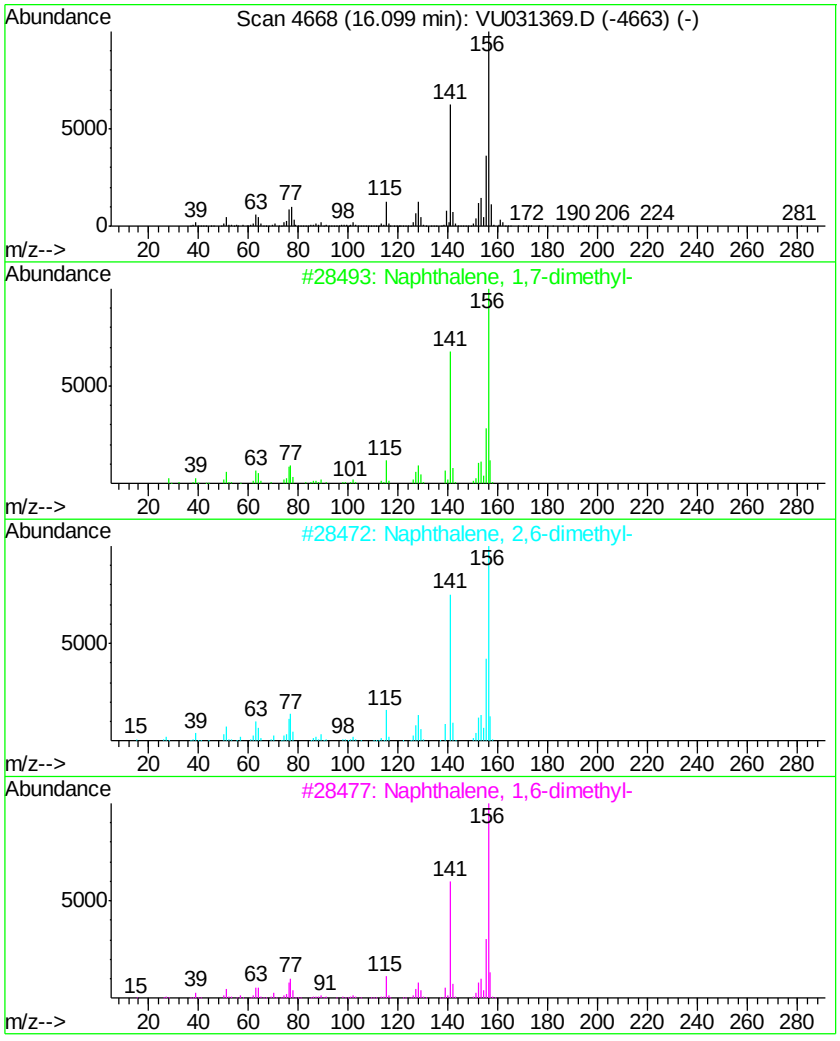
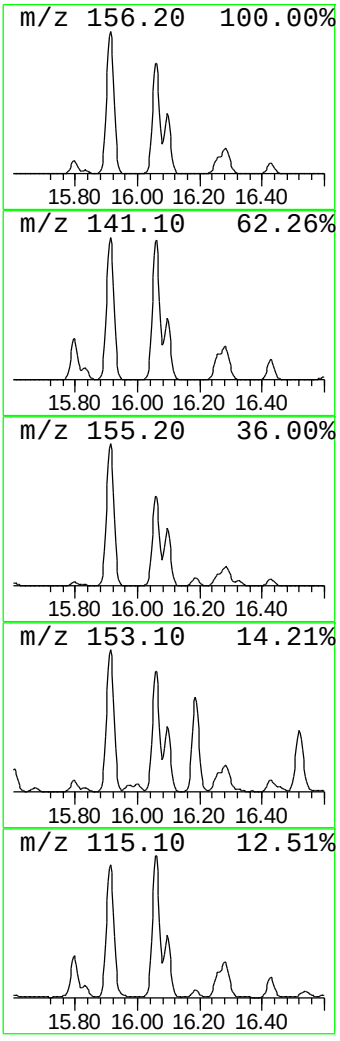
Peak Number 18 Naphthalene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	320.17 ug/L	10714500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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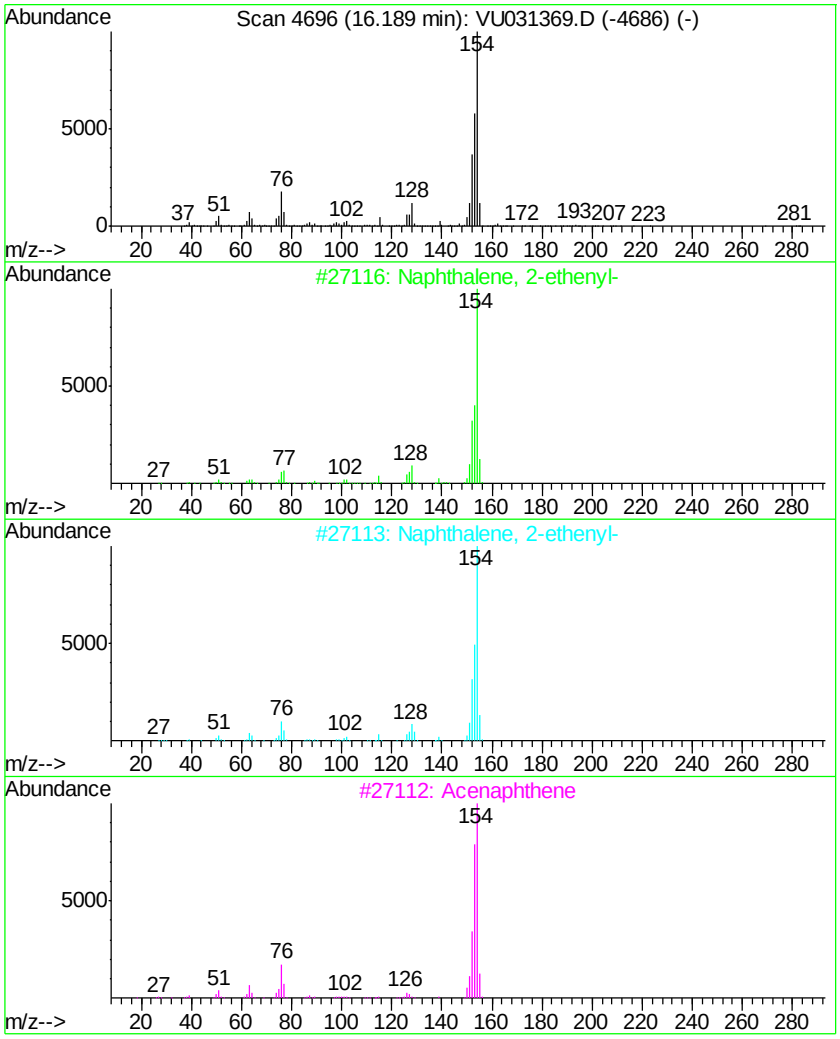
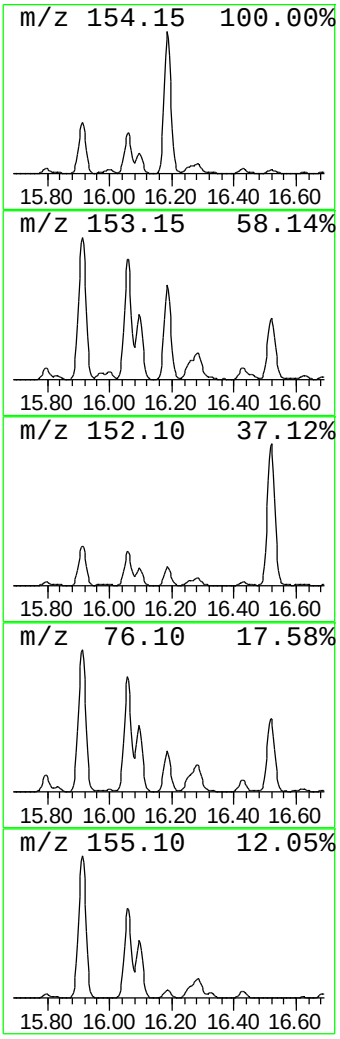
Peak Number 19 Naphthalene, 2-ethenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	113.87 ug/L	3810650	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	94
3	Acenaphthene	154	C12H10	000083-32-9	93
4	Biphenyl	154	C12H10	000092-52-4	93
5	Biphenyl	154	C12H10	000092-52-4	83





Library Search Compound Report

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Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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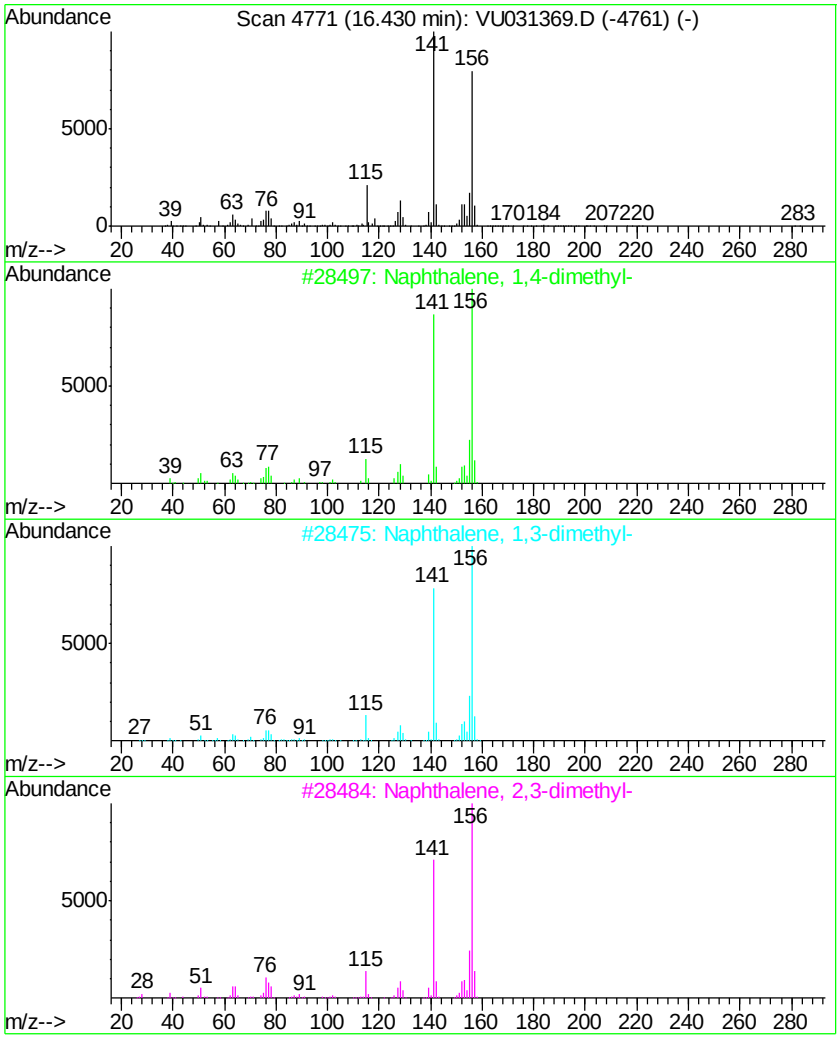
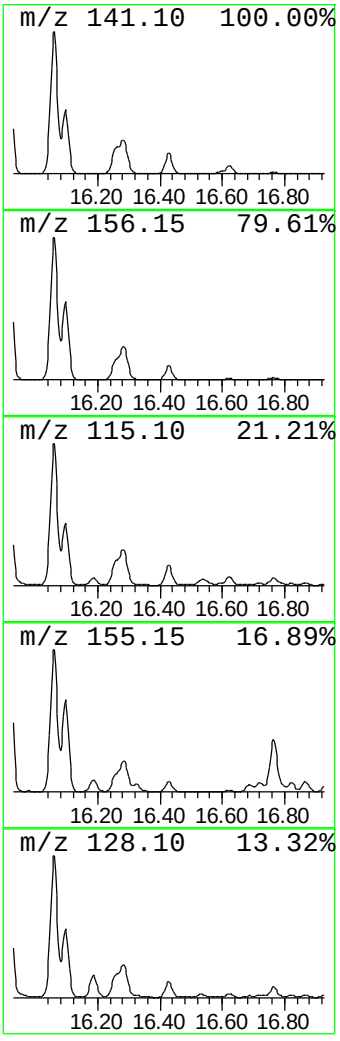
Peak Number 21 Naphthalene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	82.99 ug/L	2777370	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
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Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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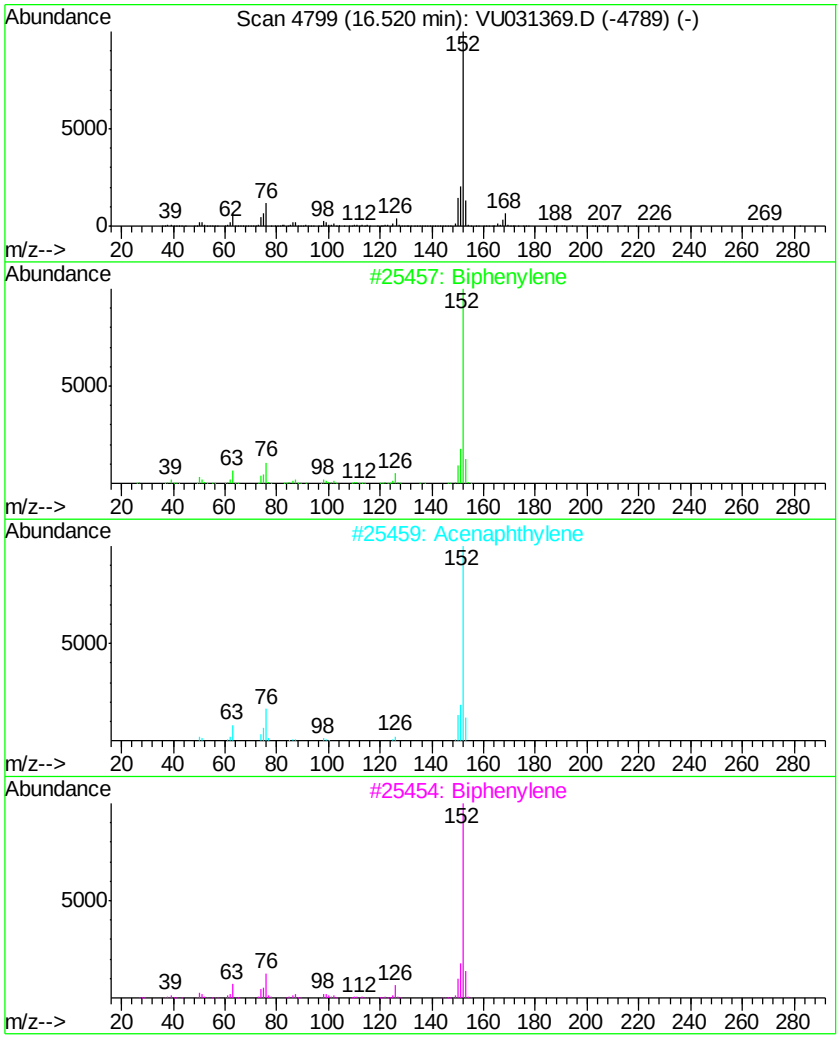
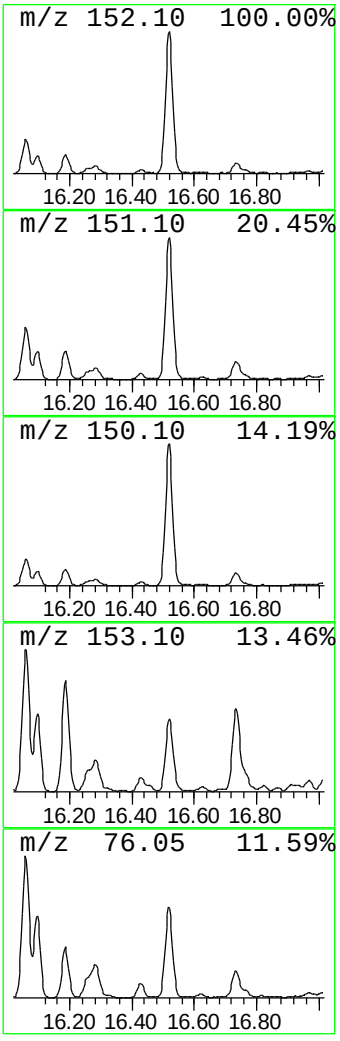
Peak Number 22 Biphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	236.47 ug/L	7913350	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	93
2	Acenaphthylene	152	C12H8	000208-96-8	87
3	Biphenylene	152	C12H8	000259-79-0	87
4	Acenaphthylene	152	C12H8	000208-96-8	87
5	Acenaphthylene	152	C12H8	000208-96-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

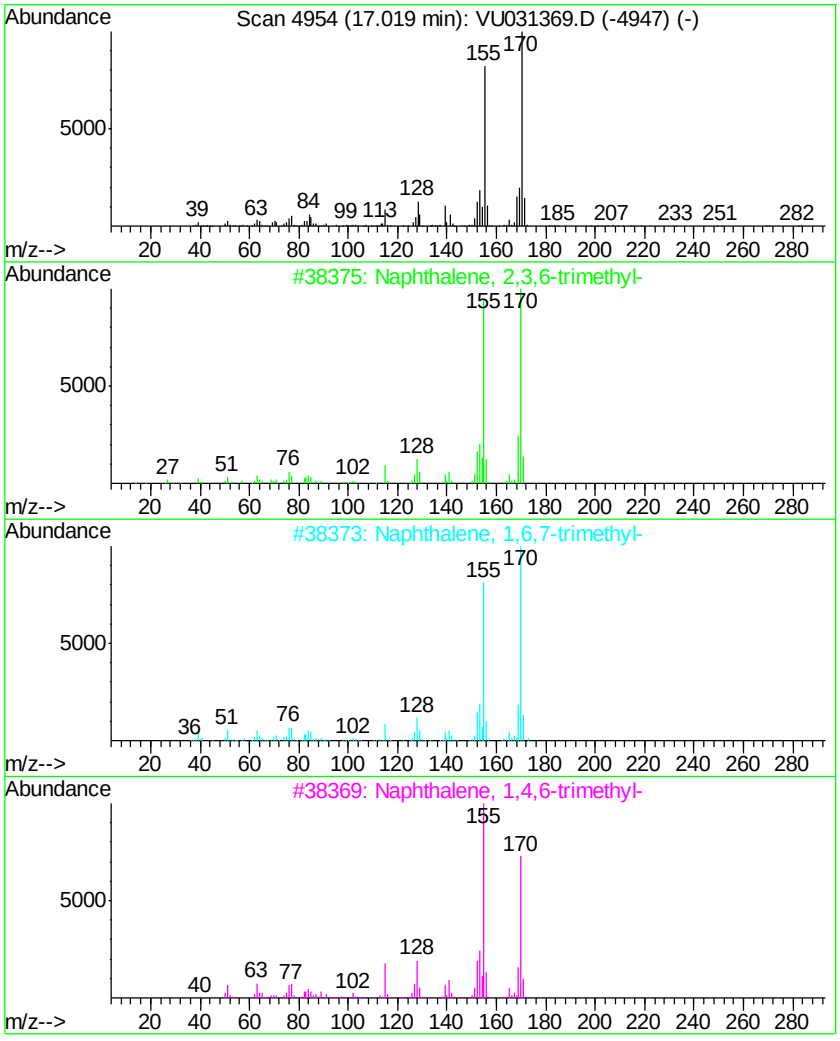
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

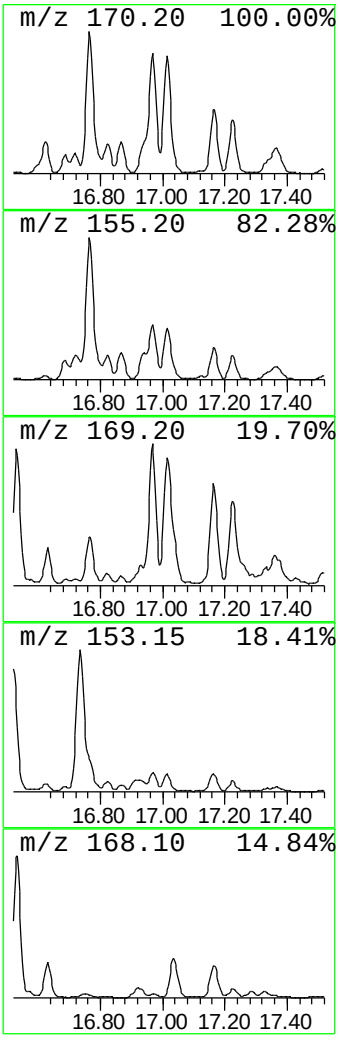
****

Peak Number 24 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	48.84 ug/L	1634380	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

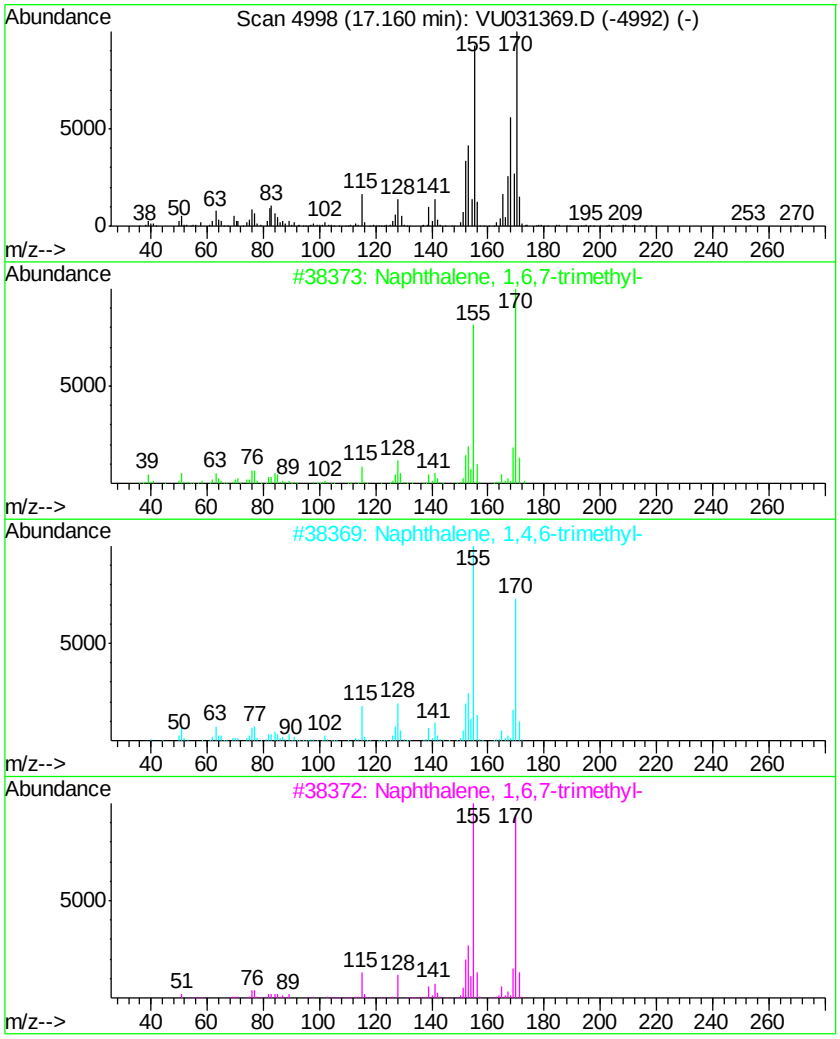
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

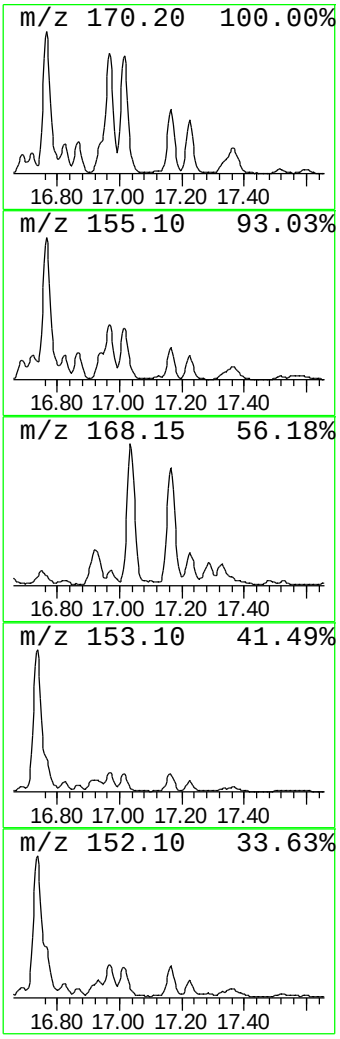
****

Peak Number 25 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	26.28 ug/L	879426	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031369.D
Acq On : 19 Apr 2019 19:07
Operator : JC/SP
Sample : K2456-10
Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHP8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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
Benzene, (2-methy...	12.43	8.7	ug/L	291680	3	11.49	1673250	50.0
Benzene, 1,2,4,5-...	12.65	4.3	ug/L	144321	3	11.49	1673250	50.0
Benzene, 4-etheny...	12.82	7.4	ug/L	247513	3	11.49	1673250	50.0
Benzene, 1-methyl...	12.96	3.1	ug/L	104052	3	11.49	1673250	50.0
o-Cymene	13.12	34.1	ug/L	1142250	3	11.49	1673250	50.0
Tetracyclo[5.3.0....	13.29	32.8	ug/L	1097570	3	11.49	1673250	50.0
Benzene, (2-methy...	13.37	4.6	ug/L	154262	3	11.49	1673250	50.0
(DEL) Alkane: Str...	14.14	71.0	ug/L	2376180	3	11.49	1673250	50.0
1H-Indene, 1,1-di...	14.34	28.0	ug/L	938112	3	11.49	1673250	50.0
Naphthalene, 1-et...	15.80	106.0	ug/L	3548720	3	11.49	1673250	50.0
Naphthalene, 2,6-...	15.91	934.8	ug/L	31283100	3	11.49	1673250	50.0
Naphthalene, 2,3-...	16.06	729.4	ug/L	24407400	3	11.49	1673250	50.0
Naphthalene, 1,7-...	16.10	320.2	ug/L	10714500	3	11.49	1673250	50.0
Naphthalene, 2-et...	16.19	113.9	ug/L	3810650	3	11.49	1673250	50.0
Naphthalene, 1,4-...	16.43	83.0	ug/L	2777370	3	11.49	1673250	50.0
Biphenylene	16.52	236.5	ug/L	7913350	3	11.49	1673250	50.0
Naphthalene, 2,3,...	17.02	48.8	ug/L	1634380	3	11.49	1673250	50.0
Naphthalene, 1,6,...	17.16	26.3	ug/L	879426	3	11.49	1673250	50.0