LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

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\SOMULM040519WMA.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	43	rBV2	18737	31058	1.26%	0.124%
2	1.395	89	95	112	rVB	380125	386533	15.72%	1.547%
3	1.675	176	182	207	rVB	268068	363824	14.79%	1.456%
4	2.267	356	366	378	rBV	561497	855177	34.77%	3.423%
5	2.444	413	421	423	rBV7	1917	2674	0.11%	0.011%
6	2.482	423	433	442	rBV	16814	36105	1.47%	0.145%
7	3.482	739	744	747	rVB3	781	653	0.03%	0.003%
8	3.550	762	765	774	rVB4	954	1095	0.04%	0.004%
9	3.701	809	812	817	rBV5	834	730	0.03%	0.003%
10	3.968	886	895	896	rBV3	1642	1618	0.07%	0.006%
11	4.061	919	924	925	rBV3	766	663	0.03%	0.003%
12	4.074	925	928	929	rBV2	872	544	0.02%	0.002%
13	4.167	945	957	993	rBV	244995	731432	29.74%	2.928%
14	4.643	1087	1105	1128	rBV	396499	951224	38.67%	3.807%
15	4.784	1147	1149	1153	rVB3	1426	836	0.03%	0.003%
16	4.807	1153	1156	1159	rBV3	946	666	0.03%	0.003%
17	4.984	1202	1211	1229	rVB3	6518	16446	0.67%	0.066%
18	5.080	1229	1241	1249	rVB9	3957	7569	0.31%	0.030%
19	5.212	1273	1282	1284	rBV5	5144	6278	0.26%	0.025%
20	5.334	1298	1320	1355	rBV2	827650	2459633	100.00%	9.845%
21	5.800	1460	1465	1468	rBV4	1104	933	0.04%	0.004%
22	5.881	1473	1490	1514	rBV	670506	1346875	54.76%	5.391%
23	6.122	1562	1565	1569	rVB4	1300	778	0.03%	0.003%
24	6.141	1569	1571	1574	rBV4	958	566	0.02%	0.002%
25	6.189	1578	1586	1598	rVB4	6857	15418	0.63%	0.062%
26	6.238	1598	1601	1602	rBV3	1140	513	0.02%	0.002%
27	6.325	1613	1628	1647	rBV	552086	1124825	45.73%	4.502%
28	6.562	1699	1702	1704	rBV3	1329	851	0.03%	0.003%
29	6.633	1718	1724	1725	rBV4	1588	1426	0.06%	0.006%
30	6.723	1748	1752	1755	rBV5	996	770	0.03%	0.003%
31	6.743	1755	1758	1762	rVB5	1257	1095	0.04%	0.004%
32	6.871	1795	1798	1800	rBV2	1056	814	0.03%	0.003%
33	7.032	1839	1848	1849	rBV4	2081	2270	0.09%	0.009%
34	7.099	1866	1869	1871	rBV2	1304	764	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
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Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

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\SOMULM040519WMA.M
Title : VOC Analysis

35	7.177	1889	1893	1895	rBV4	1098	773	0.03%	0.003%
36	7.225	1895	1908	1926	rBV	291538	538550	21.90%	2.156%
37	7.562	1993	2013	2033	rBV	1071769	1935009	78.67%	7.745%
38	7.845	2091	2101	2116	rBV2	202651	352641	14.34%	1.412%
39	8.038	2155	2161	2170	rVB9	7693	13603	0.55%	0.054%
40	8.173	2197	2203	2211	rVB8	3965	6974	0.28%	0.028%
41	8.225	2211	2219	2220	rBV4	1181	1392	0.06%	0.006%
42	8.308	2233	2245	2277	rBV	758233	1417573	57.63%	5.674%
43	8.479	2295	2298	2308	rVB6	10253	14692	0.60%	0.059%
44	8.540	2311	2317	2328	rVB2	17643	27281	1.11%	0.109%
45	8.601	2328	2336	2347	rVB8	5920	9250	0.38%	0.037%
46	8.714	2369	2371	2375	rVB5	1114	705	0.03%	0.003%
47	8.816	2399	2403	2404	rBV3	1201	841	0.03%	0.003%
48	8.887	2423	2425	2427	rBV2	1066	702	0.03%	0.003%
49	9.086	2475	2487	2507	rBV	982769	1665643	67.72%	6.667%
50	9.308	2553	2556	2560	rVB5	1385	896	0.04%	0.004%
51	9.360	2563	2572	2581	rBV5	8797	20308	0.83%	0.081%
52	9.559	2628	2634	2635	rBV3	5611	3911	0.16%	0.016%
53	9.627	2651	2655	2660	rBV6	1049	1302	0.05%	0.005%
54	9.720	2671	2684	2685	rBV6	7939	11452	0.47%	0.046%
55	9.800	2704	2709	2720	rVB8	3977	6897	0.28%	0.028%
56	9.948	2733	2755	2765	rBV8	17781	39223	1.59%	0.157%
57	10.041	2775	2784	2800	rBV10	16791	31701	1.29%	0.127%
58	10.164	2812	2822	2832	rBV2	28681	49065	1.99%	0.196%
59	10.244	2844	2847	2849	rBV4	1356	822	0.03%	0.003%
60	10.373	2876	2887	2893	rBV10	12167	20442	0.83%	0.082%
61	10.427	2893	2904	2919	rBV	744482	1198598	48.73%	4.798%
62	10.591	2947	2955	2968	rVB3	16672	30785	1.25%	0.123%
63	10.701	2977	2989	2999	rBV8	9204	19428	0.79%	0.078%
64	10.810	3018	3023	3026	rBV6	4786	4892	0.20%	0.020%
65	10.974	3065	3074	3091	rVB6	20924	39814	1.62%	0.159%
66	11.096	3106	3112	3120	rVB3	15185	23415	0.95%	0.094%
67	11.151	3122	3129	3141	rVB5	14349	24473	0.99%	0.098%
68	11.286	3158	3171	3176	rBV	45916	78866	3.21%	0.316%
69	11.479	3220	3231	3254	rBV	990483	1601281	65.10%	6.409%
70	11.684	3287	3295	3307	rVB2	40094	66688	2.71%	0.267%
71	11.768	3309	3321	3337	rBV5	143225	327138	13.30%	1.309%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

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\SOMULM040519WMA.M
Title : VOC Analysis

72	11.855	3337	3348	3372	rVB	1091960	1826211	74.25%	7.310%
73	11.977	3378	3386	3396	rBV3	35994	59201	2.41%	0.237%
74	12.051	3405	3409	3422	rVB2	30676	45515	1.85%	0.182%
75	12.141	3431	3437	3443	rBV2	19086	26931	1.09%	0.108%
76	12.247	3465	3470	3475	rBV2	28684	32411	1.32%	0.130%
77	12.283	3476	3481	3494	rVB4	74875	125003	5.08%	0.500%
78	12.353	3495	3503	3508	rBV2	35389	59177	2.41%	0.237%
79	12.533	3553	3559	3572	rVB	100662	152398	6.20%	0.610%
80	12.617	3577	3585	3588	rBV3	40398	55349	2.25%	0.222%
81	12.701	3604	3611	3625	rVB2	63166	121899	4.96%	0.488%
82	12.784	3629	3637	3652	rBV2	75262	122041	4.96%	0.488%
83	13.073	3721	3727	3732	rBV4	37546	53292	2.17%	0.213%
84	13.118	3734	3741	3752	rVB2	198218	316187	12.86%	1.266%
85	13.405	3823	3830	3838	rBV5	41751	67374	2.74%	0.270%
86	13.504	3853	3861	3870	rBV3	120107	207073	8.42%	0.829%
87	13.726	3922	3930	3942	rVB3	77417	132804	5.40%	0.532%
88	13.852	3960	3969	3984	rBV2	89635	165986	6.75%	0.664%
89	13.948	3992	3999	4009	rVB5	84300	134367	5.46%	0.538%
90	14.147	4054	4061	4078	rVB4	70728	173723	7.06%	0.695%
91	14.331	4109	4118	4132	rBV3	116689	228185	9.28%	0.913%
92	14.472	4156	4162	4172	rVB2	76175	111776	4.54%	0.447%
93	14.675	4216	4225	4241	rBV3	136756	280319	11.40%	1.122%
94	14.874	4277	4287	4296	rBV2	153879	284798	11.58%	1.140%
95	15.057	4335	4344	4358	rBV2	358471	673657	27.39%	2.696%
96	15.913	4602	4610	4620	rBV3	148621	243352	9.89%	0.974%
97	16.054	4646	4654	4661	rBV	270367	424995	17.28%	1.701%
98	16.257	4709	4717	4721	rBV2	131815	197414	8.03%	0.790%
99	16.427	4760	4770	4794	rVB2	335295	601899	24.47%	2.409%
100	16.536	4797	4804	4815	rVB6	62617	120382	4.89%	0.482%

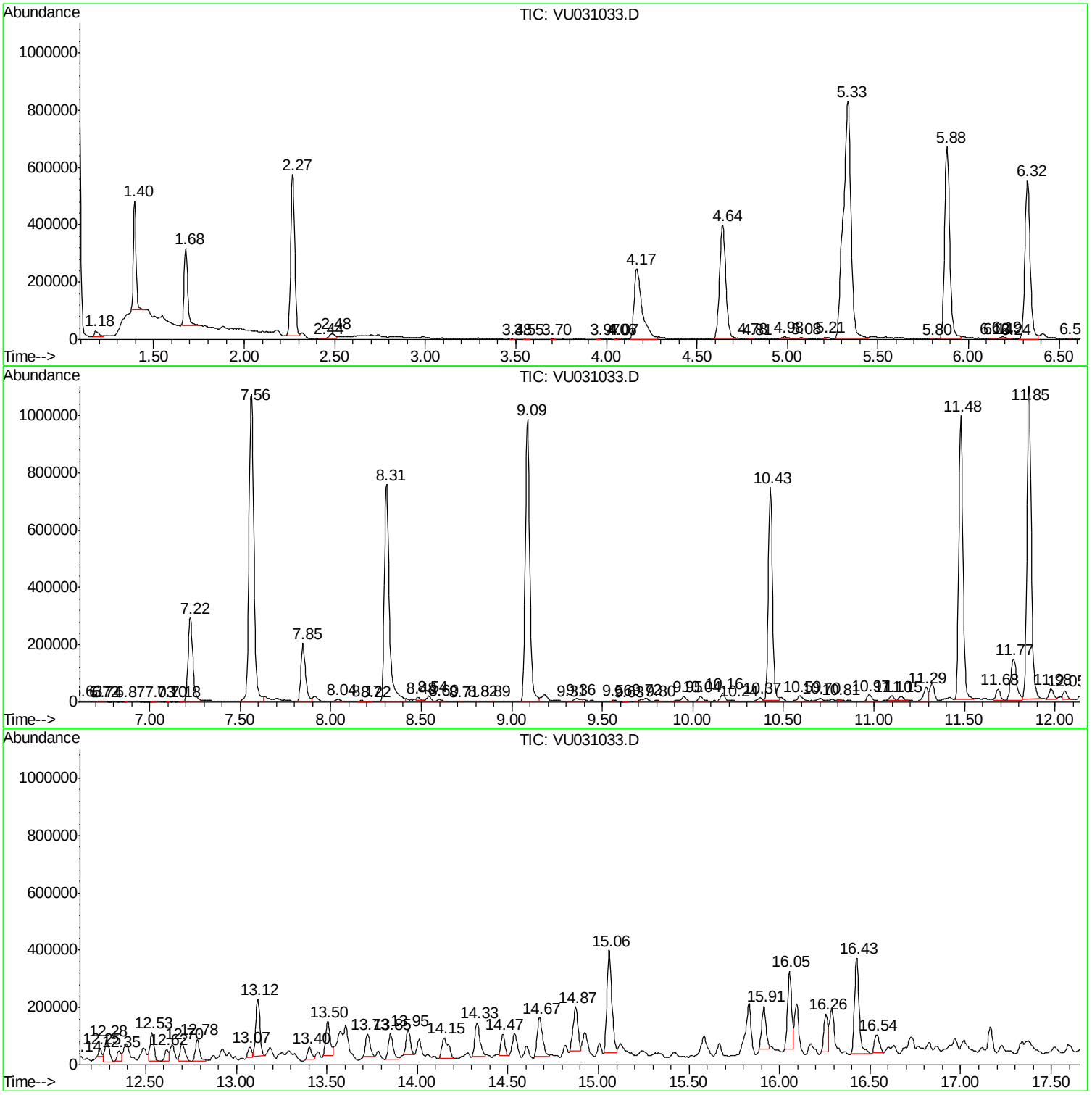
Sum of corrected areas: 24983401

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

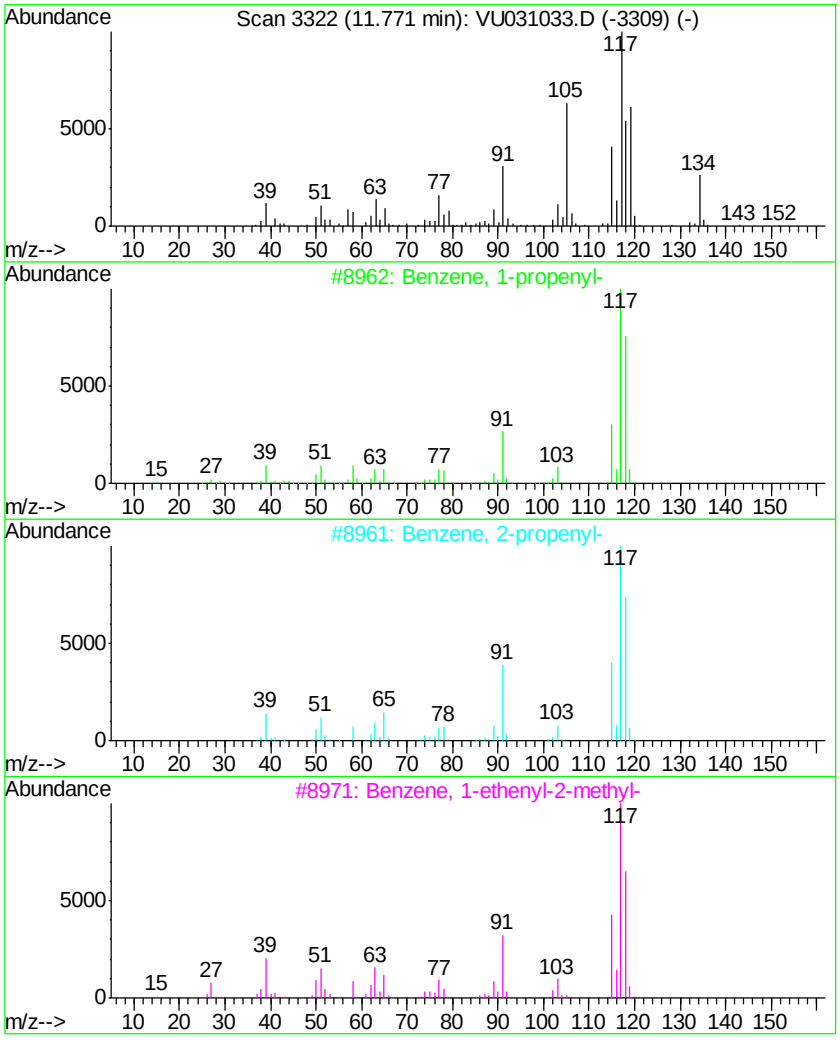
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

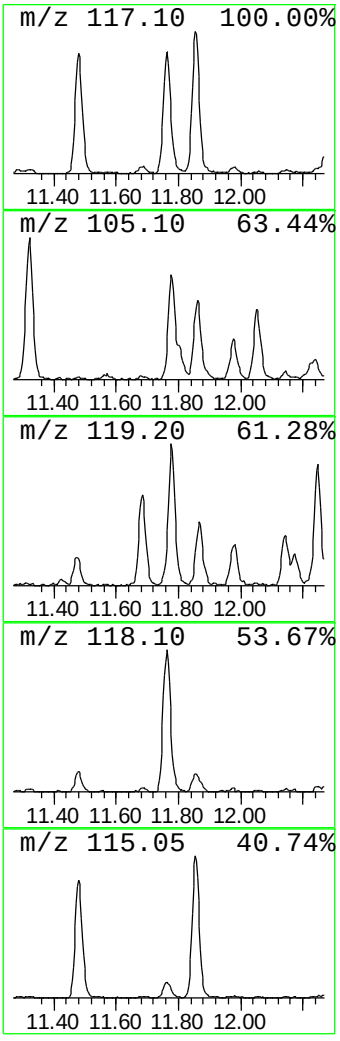
****

Peak Number 2 Benzene, 1-propenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.21 ug/L	327138	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

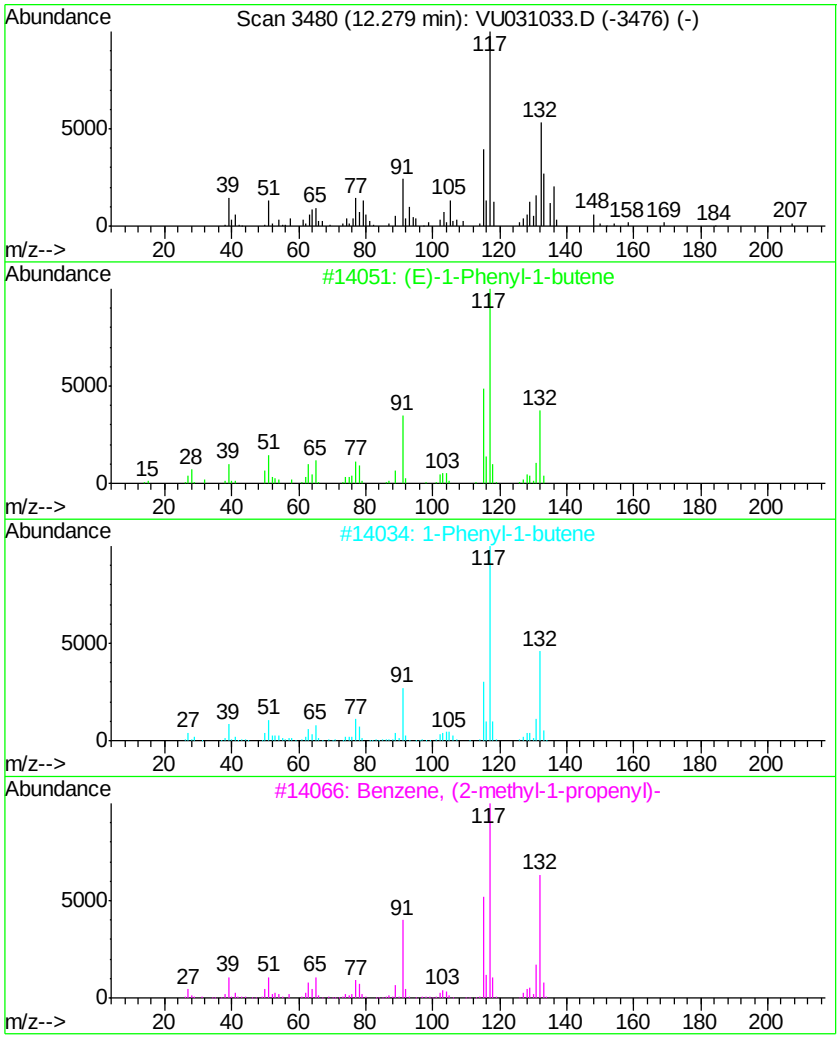
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

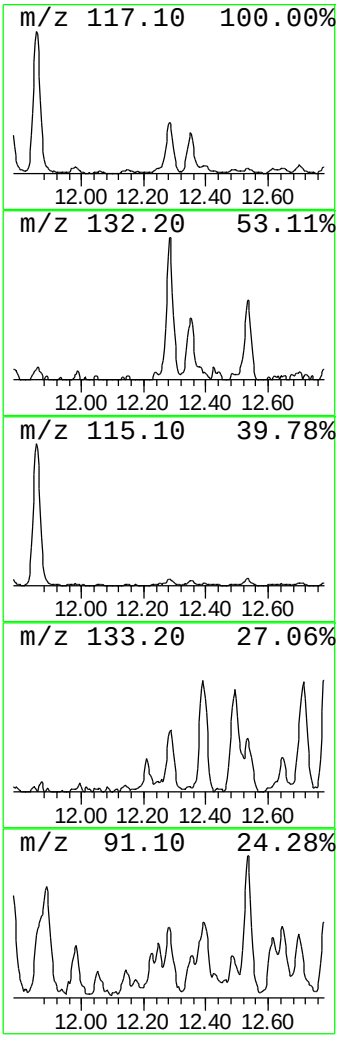
****

Peak Number 3 (E)-1-Phenyl-1-butene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.90 ug/L	125003	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

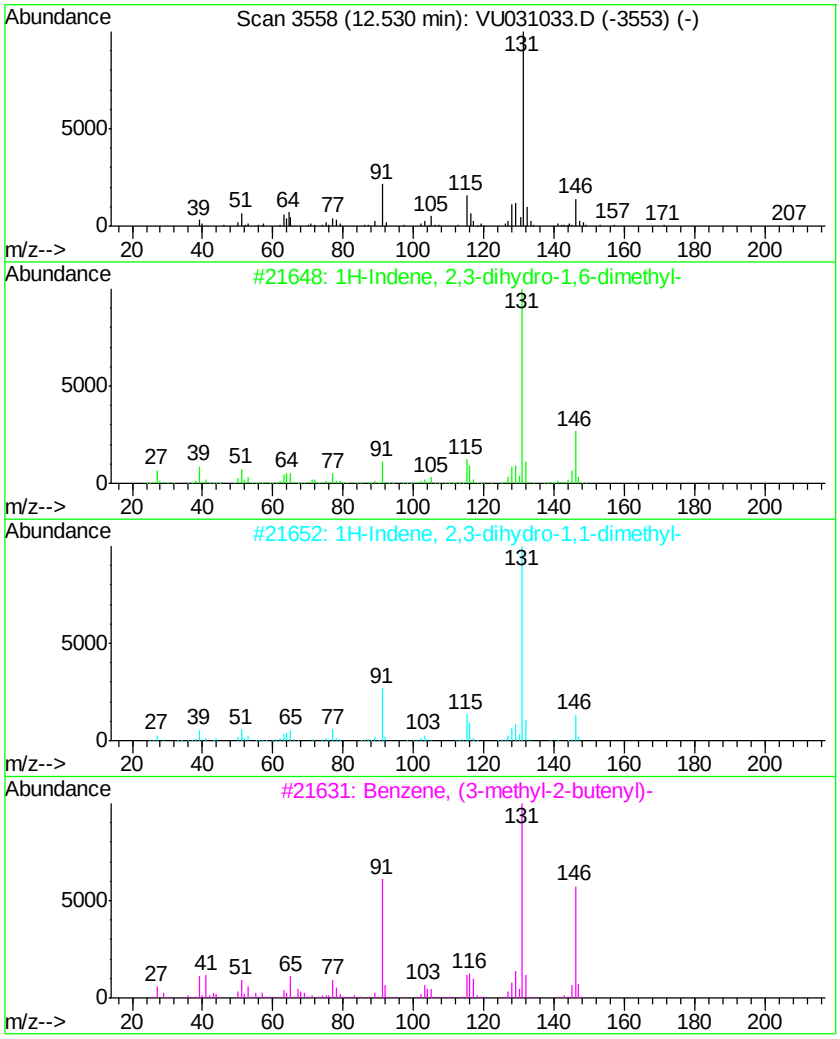
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

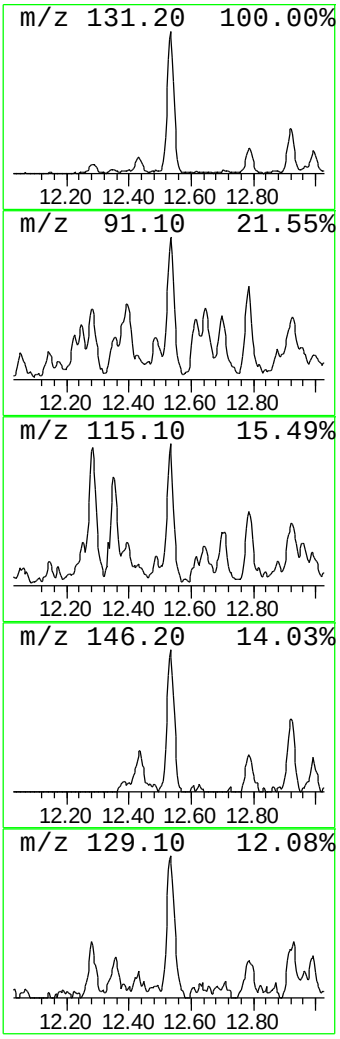
****

Peak Number 4 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.76 ug/L	152398	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	80
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

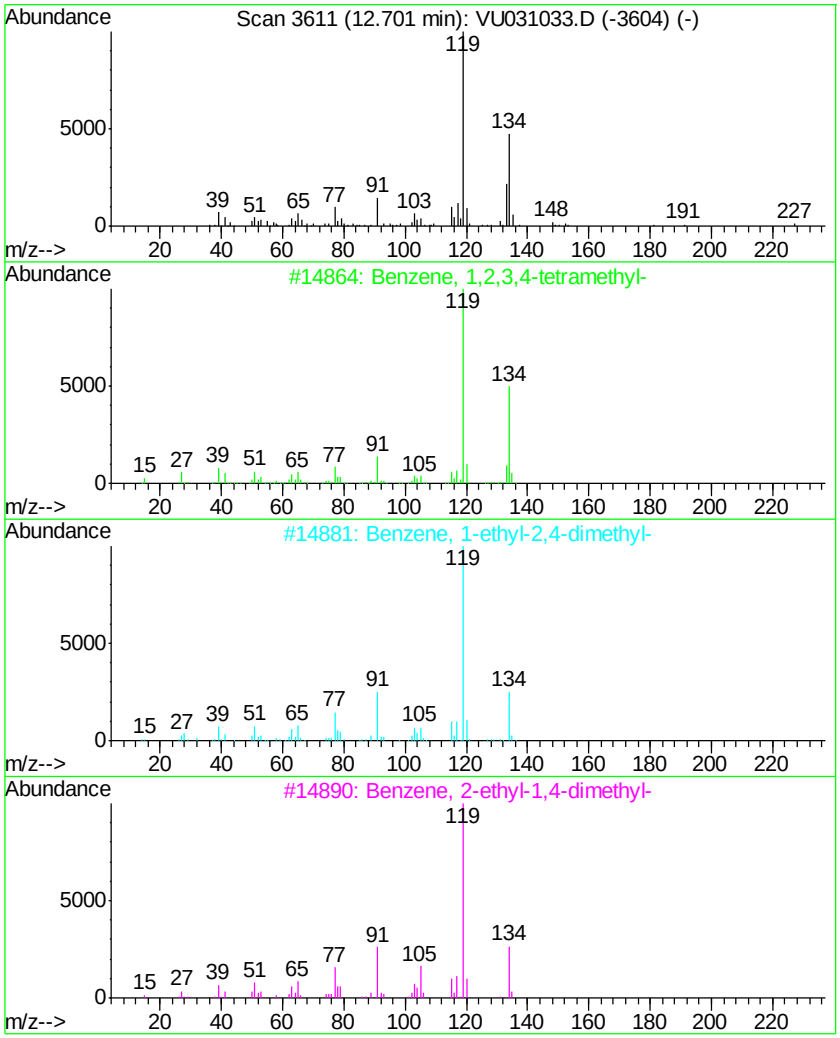
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

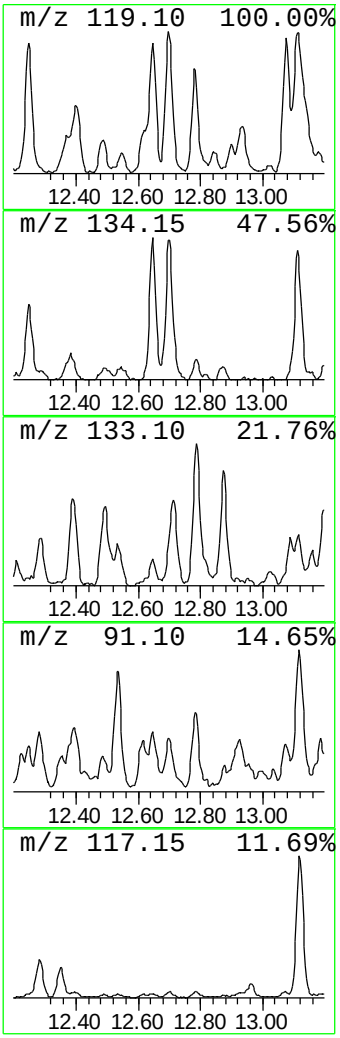
****

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.81 ug/L	121899	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

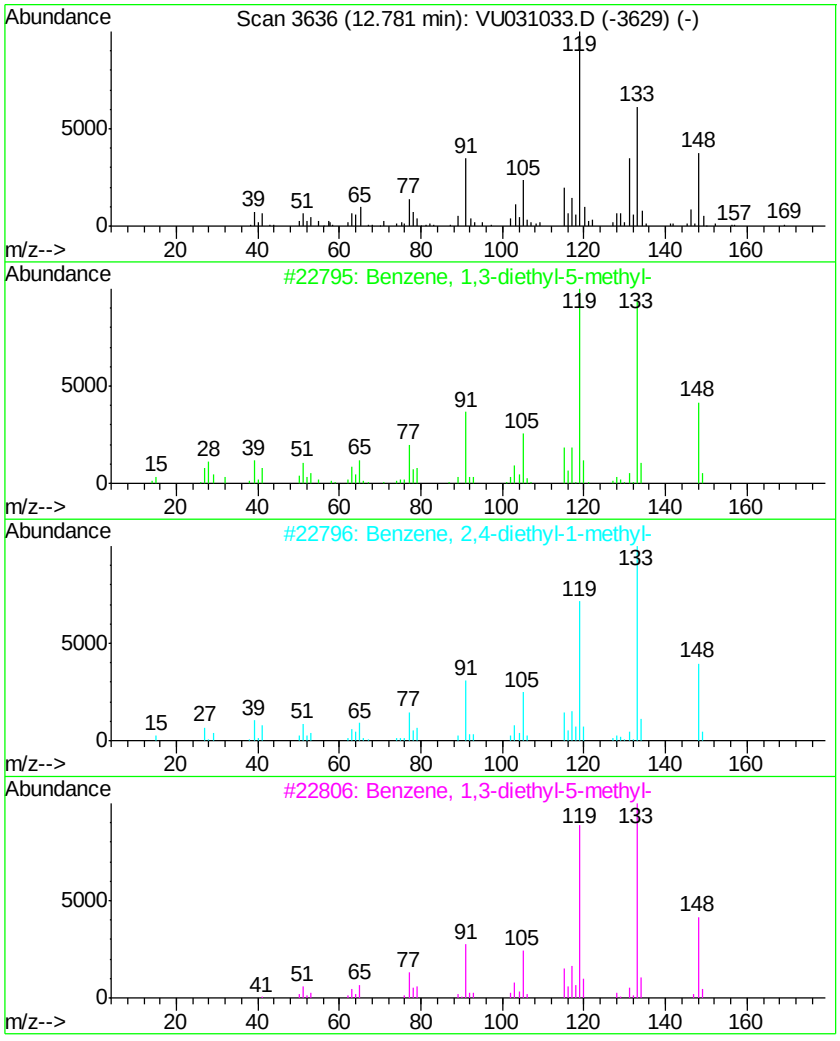
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

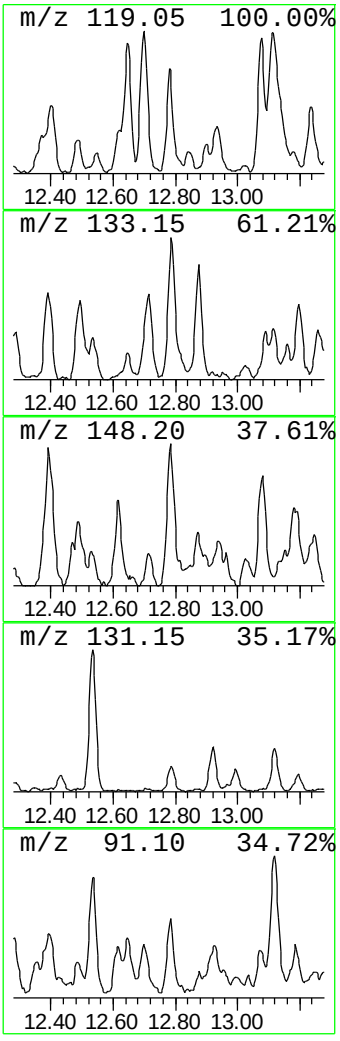
****

Peak Number 6 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	3.81 ug/L	122041	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	55
5	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	50





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Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

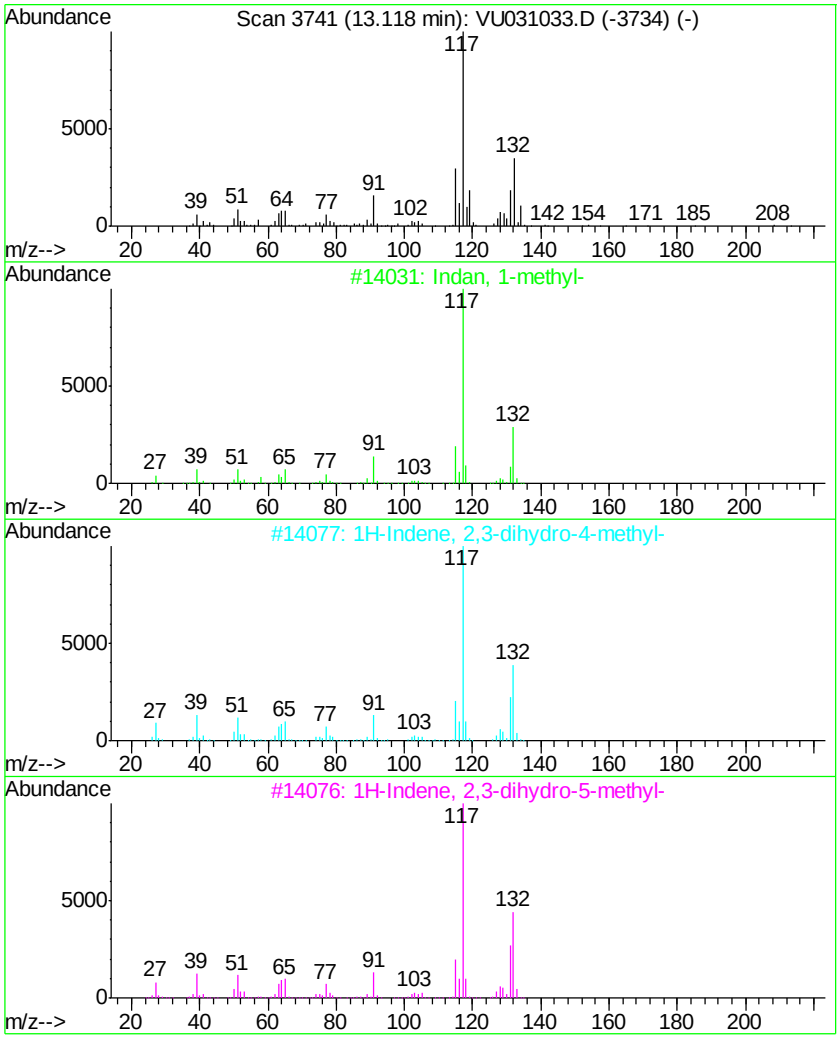
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

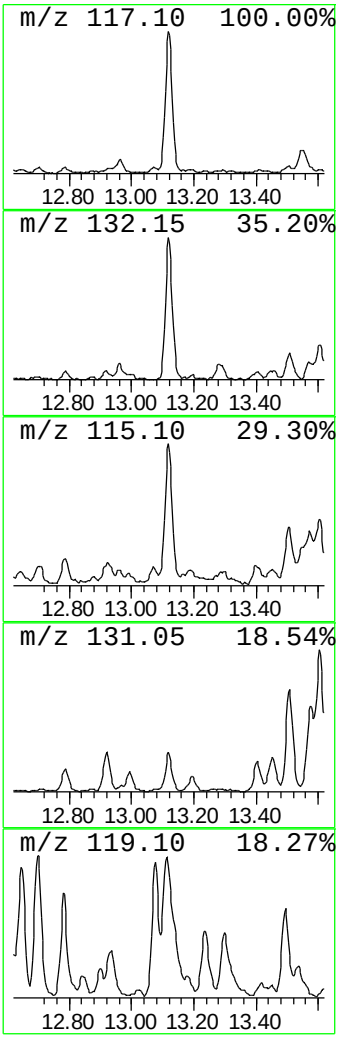
****

Peak Number 7 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	9.87 ug/L	316187	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	81
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	72





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Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

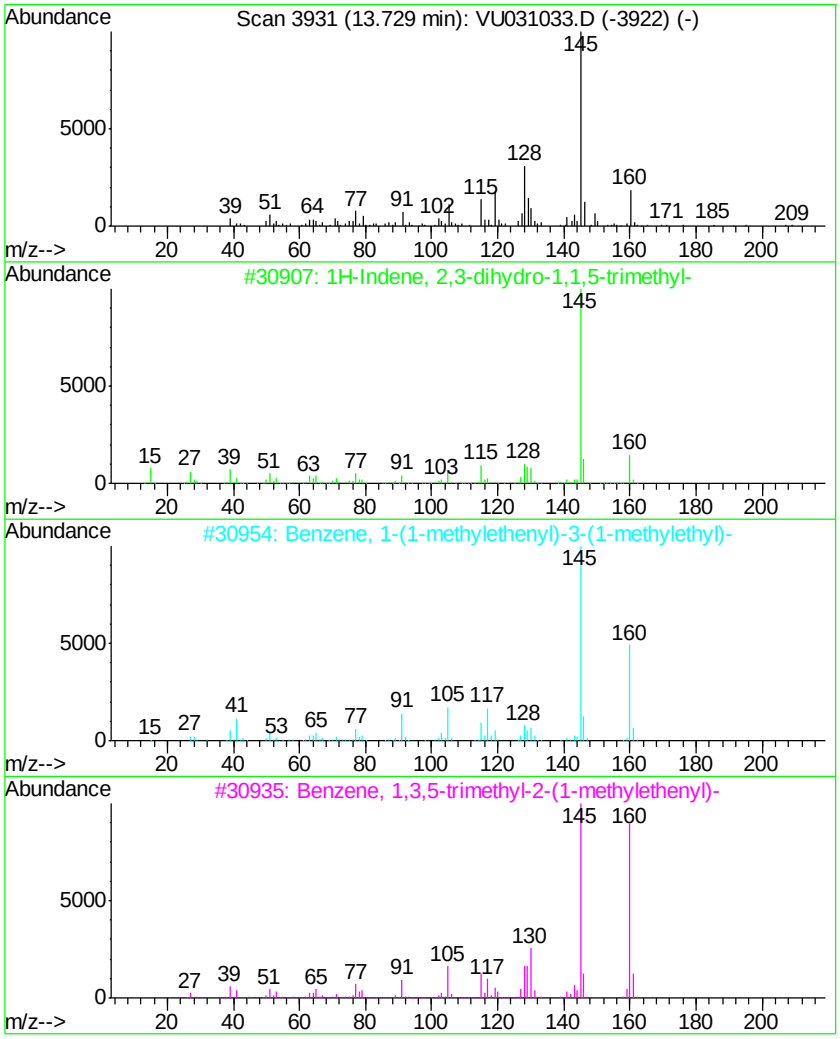
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

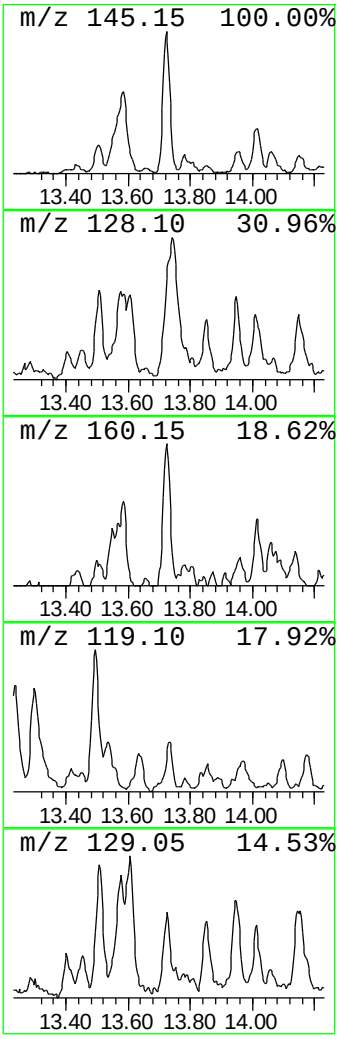
****

Peak Number 9 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	4.15 ug/L	132804	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	93
2	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	83
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	81
4	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	76
5	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	76





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Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

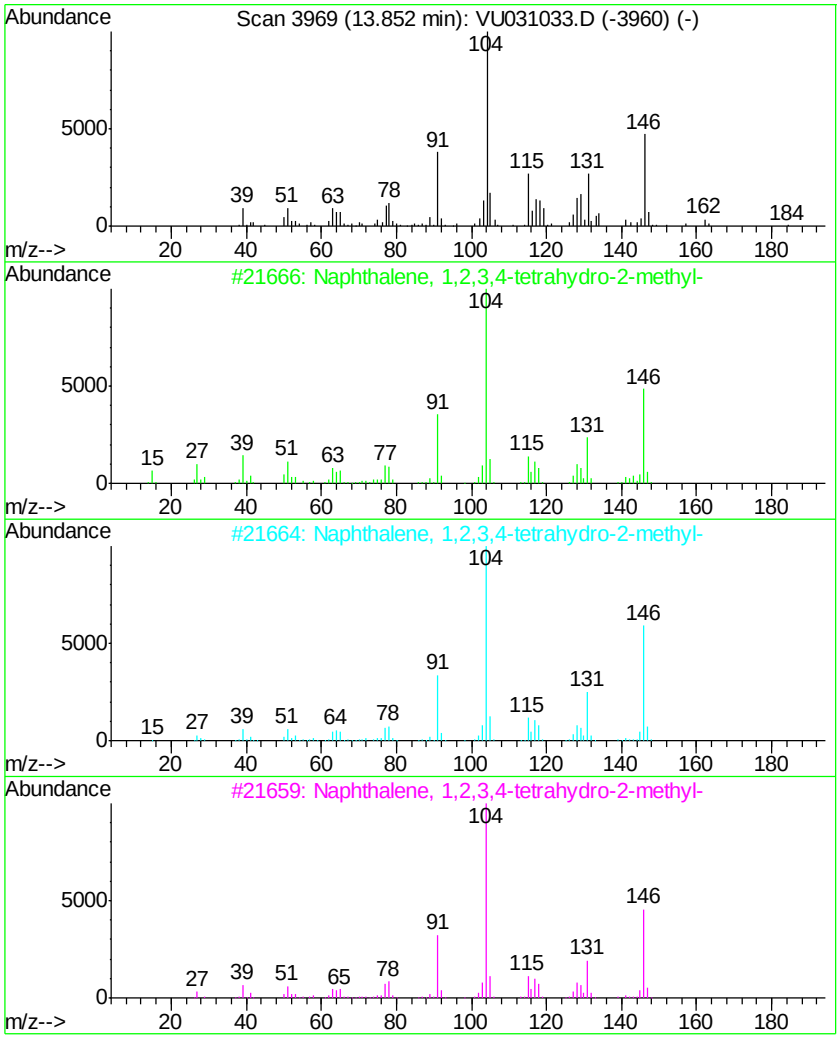
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

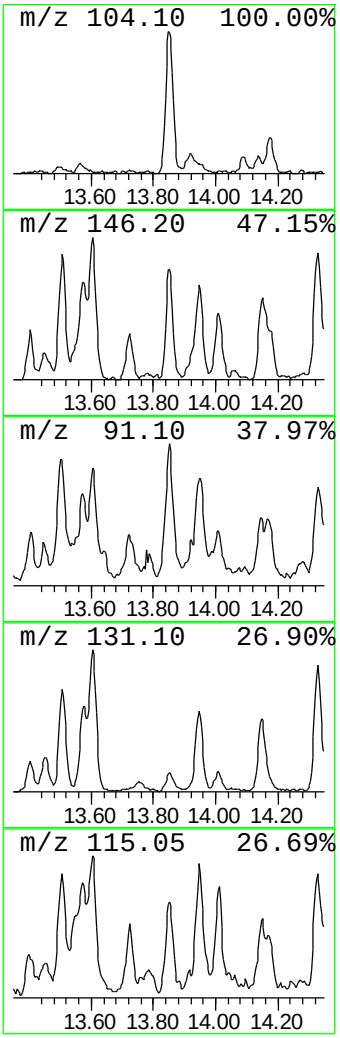
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	5.18 ug/L	165986	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	70
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

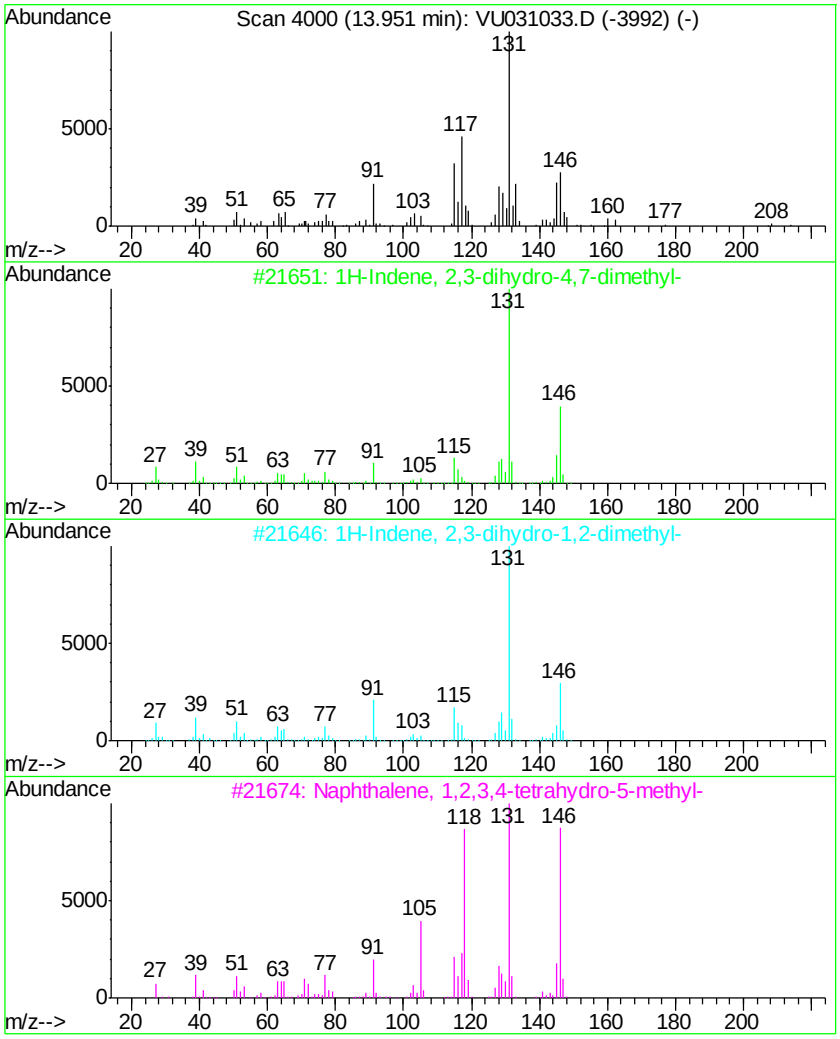
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

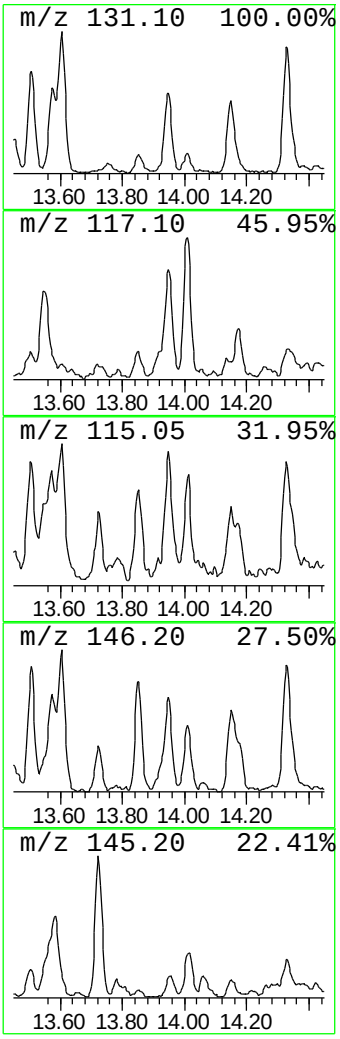
****

Peak Number 11 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.20 ug/L	134367	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	64
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	58
5	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

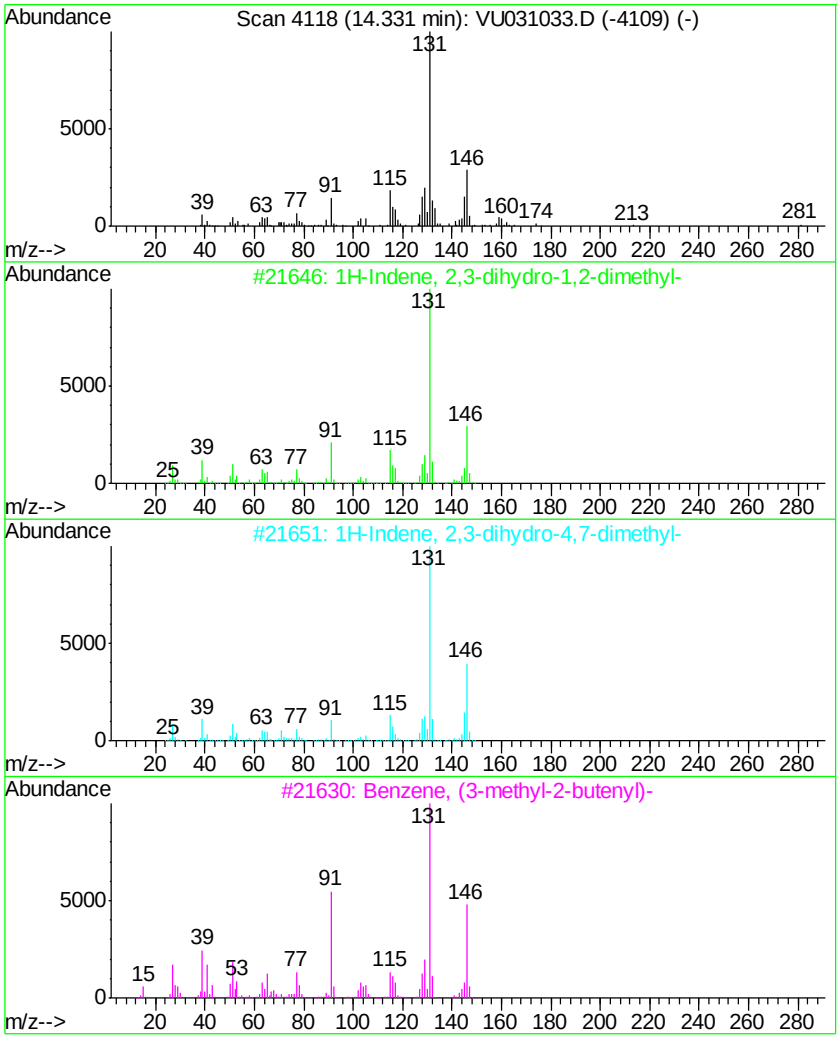
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

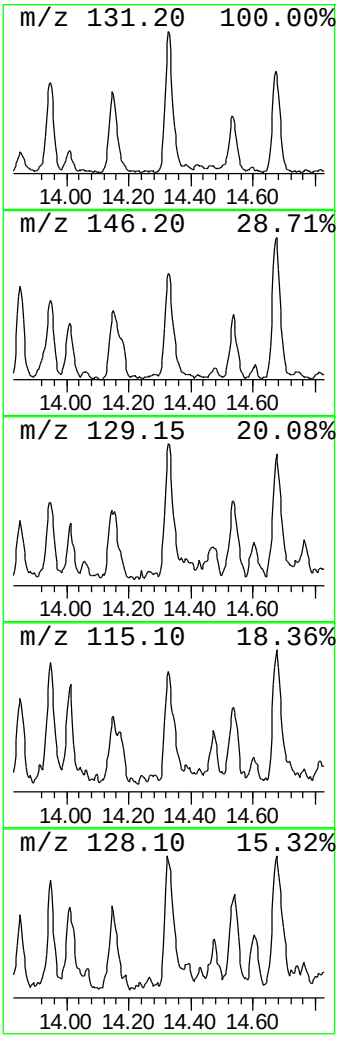
****

Peak Number 13 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	7.13 ug/L	228185	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

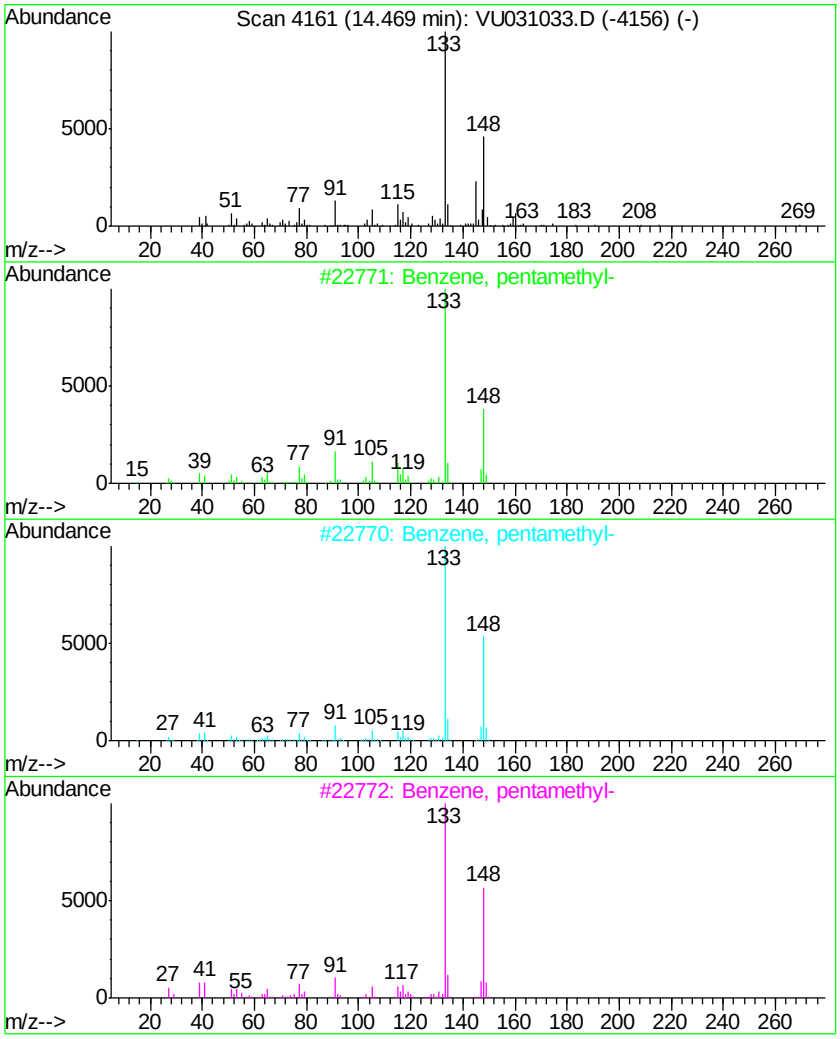
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

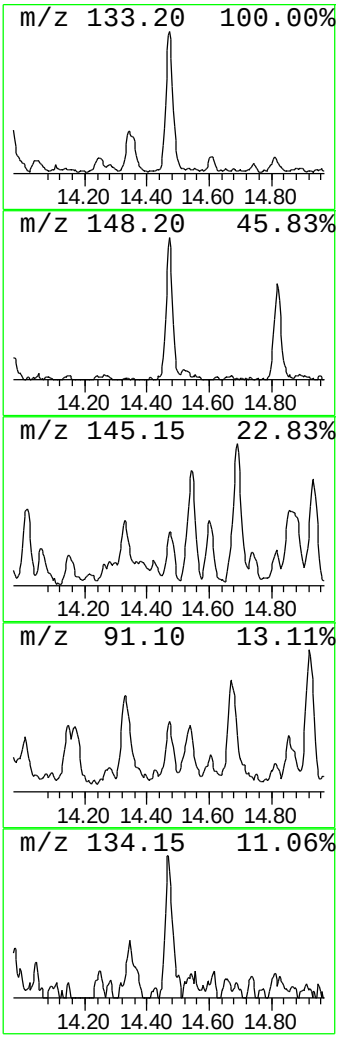
****

Peak Number 14 Benzene, pentamethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.49 ug/L	111776	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	68
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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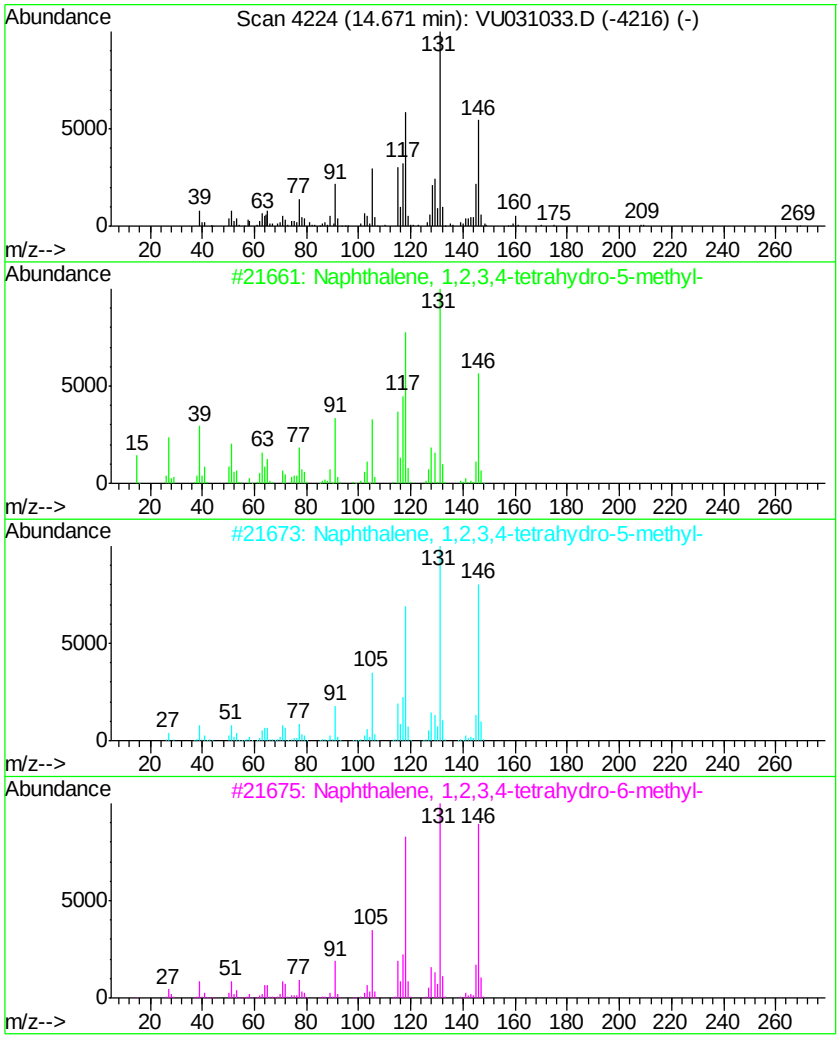
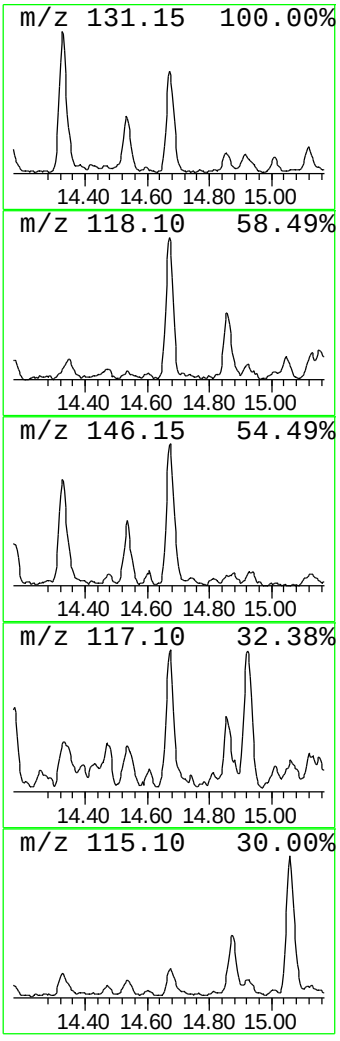
Peak Number 15 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	8.75 ug/L	280319	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	76
4	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	68
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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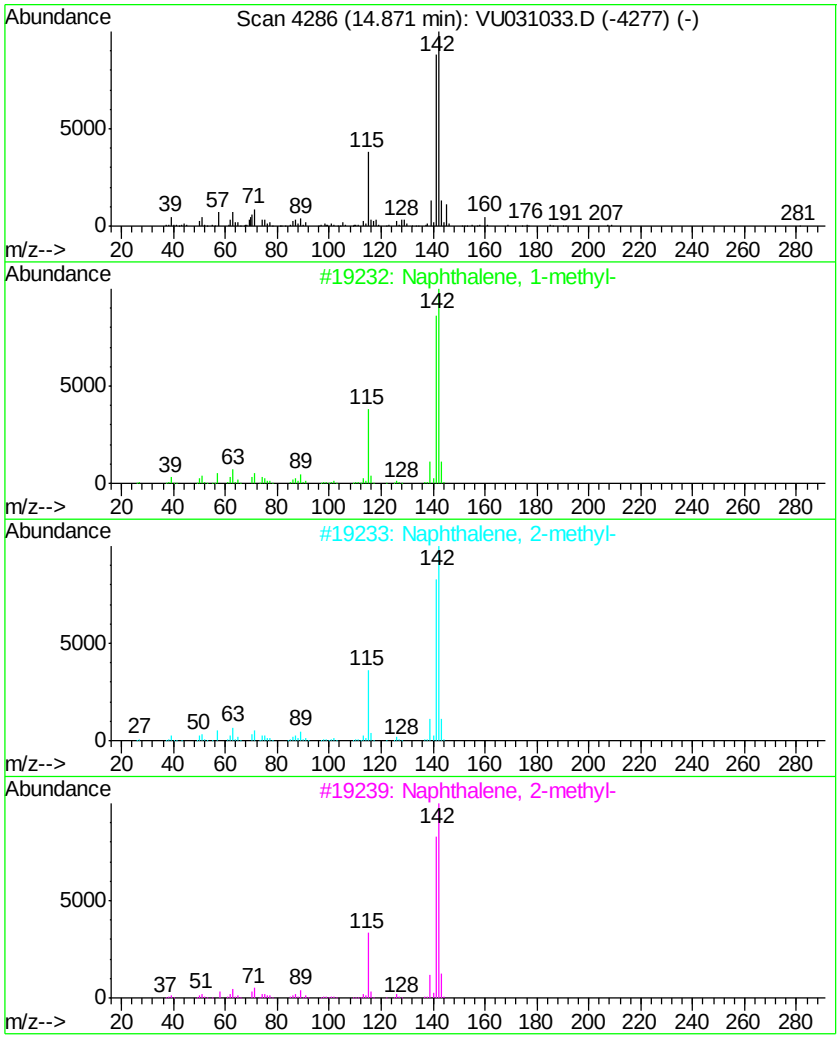
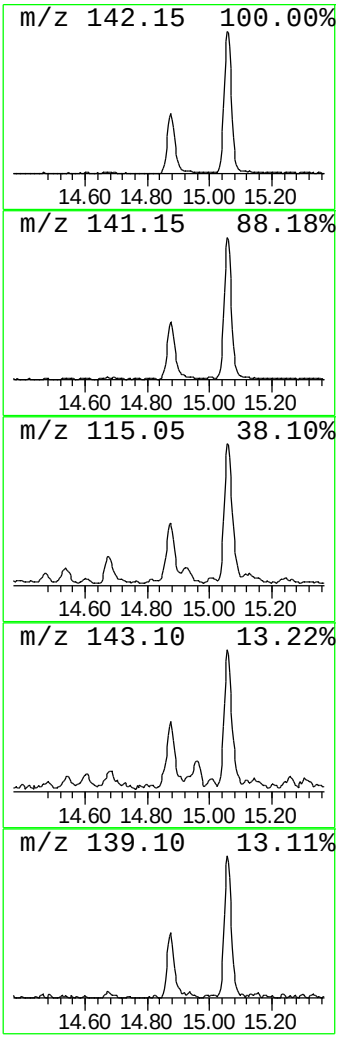
Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	8.89 ug/L	284798	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

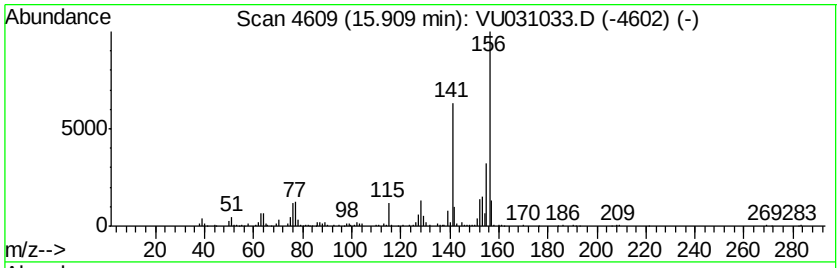
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

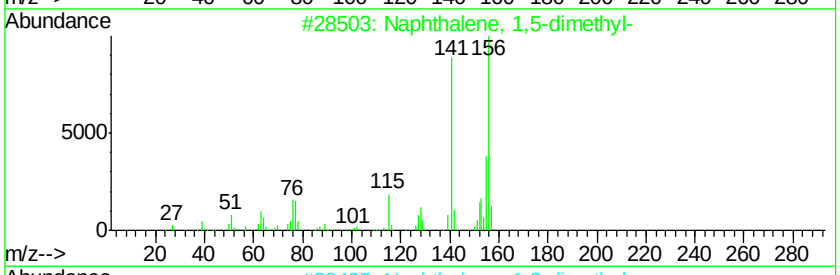
****

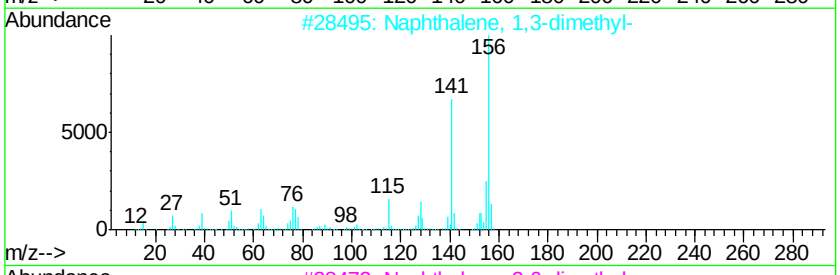
Peak Number 18 Naphthalene, 1,5-dimethyl- Concentration Rank 9

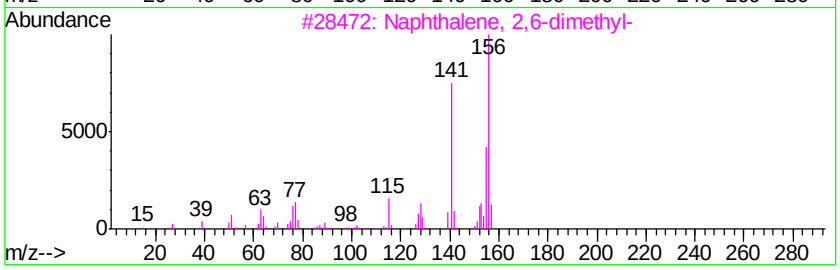
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	7.60 ug/L	243352	1,4-Dichlorobenzene-d4	11.48

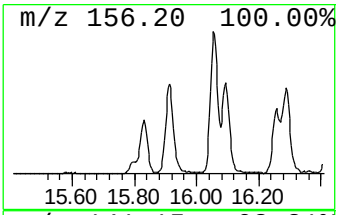
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96

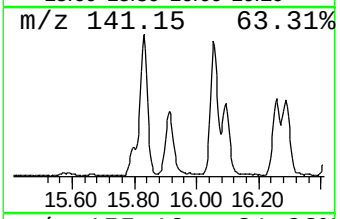


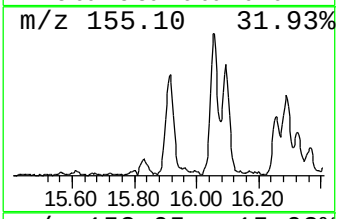


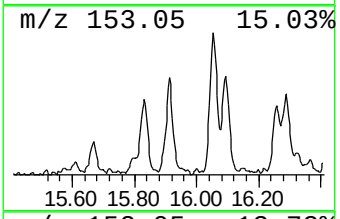


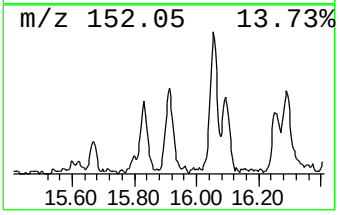












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

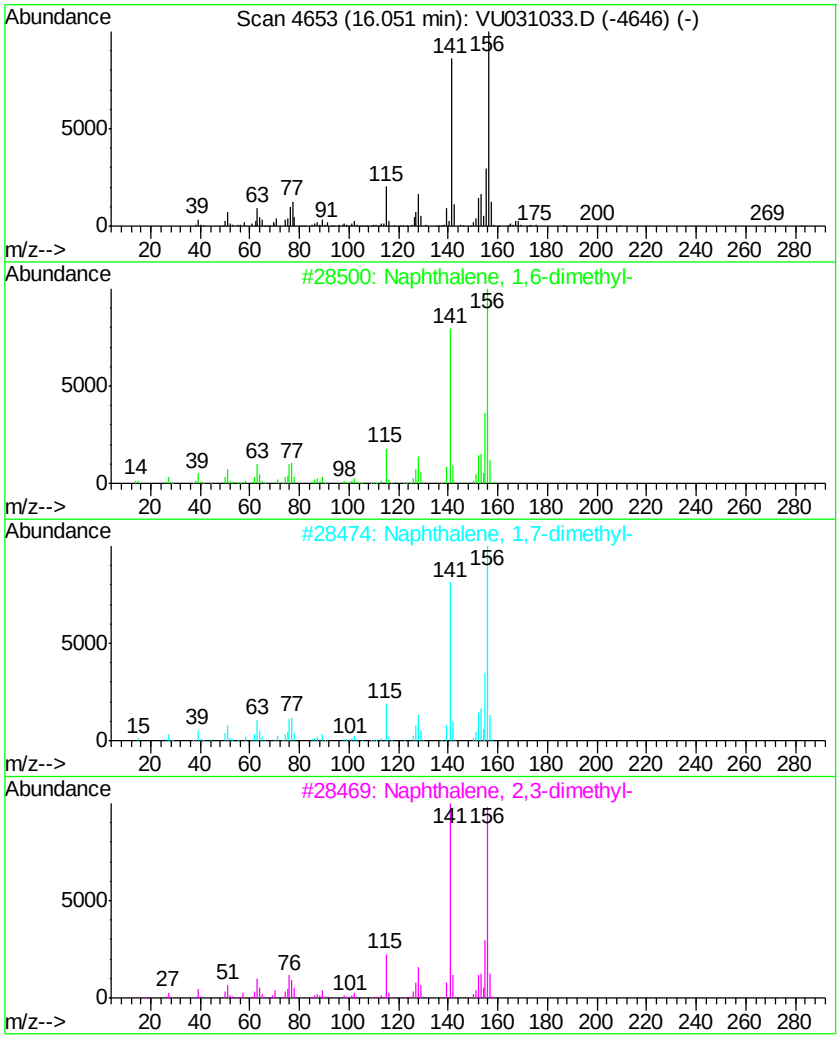
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

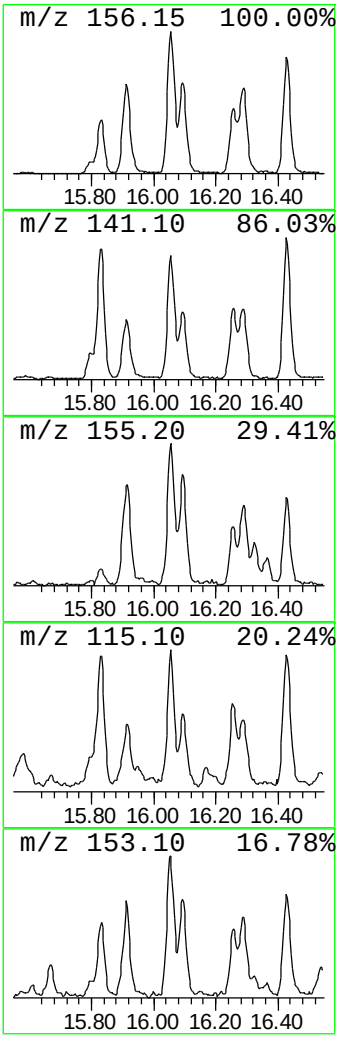
****

Peak Number 19 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	13.27 ug/L	424995	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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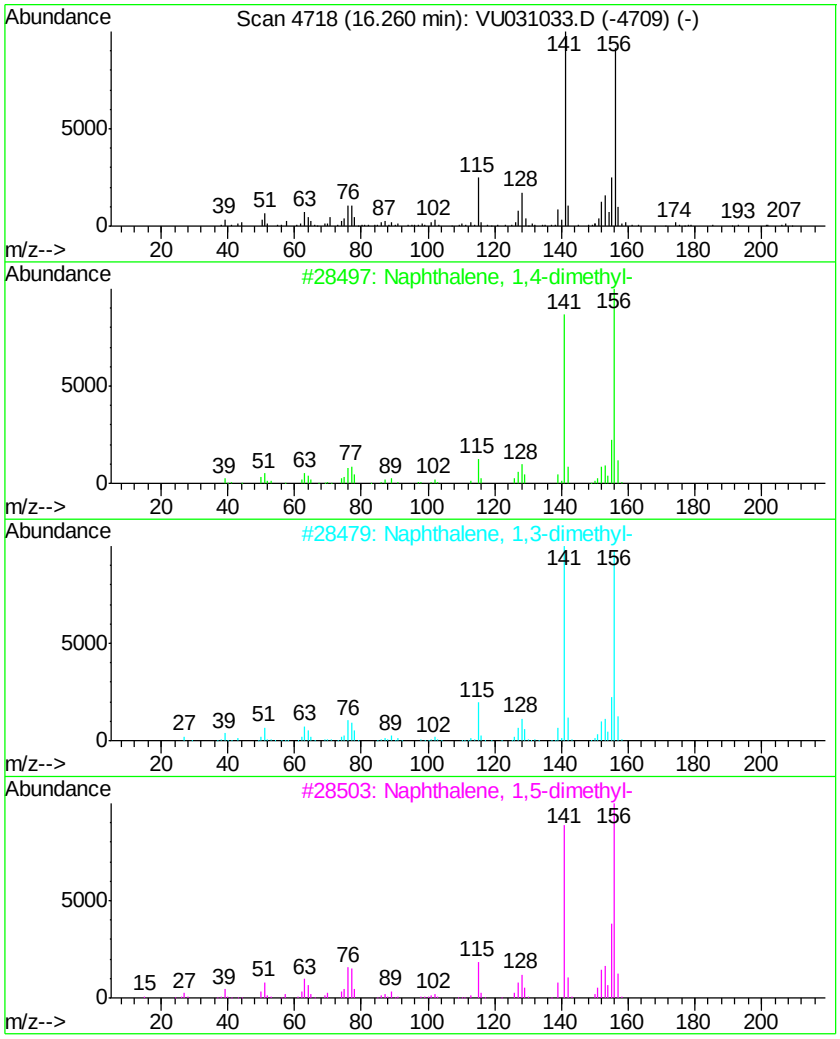
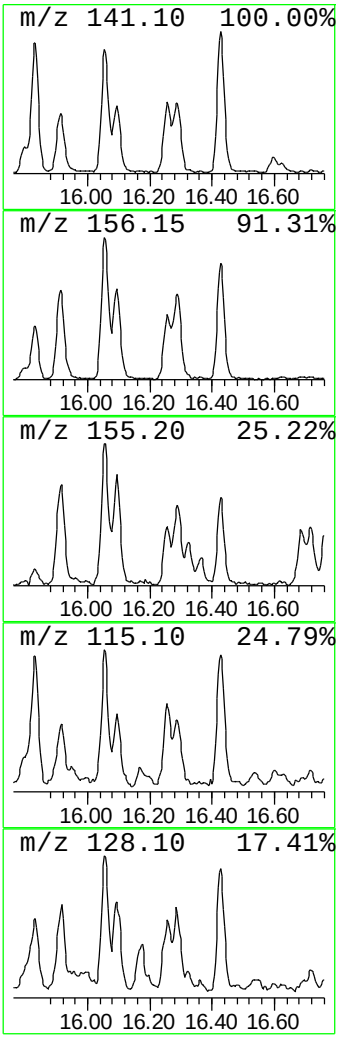
Peak Number 20 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	6.16 ug/L	197414	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

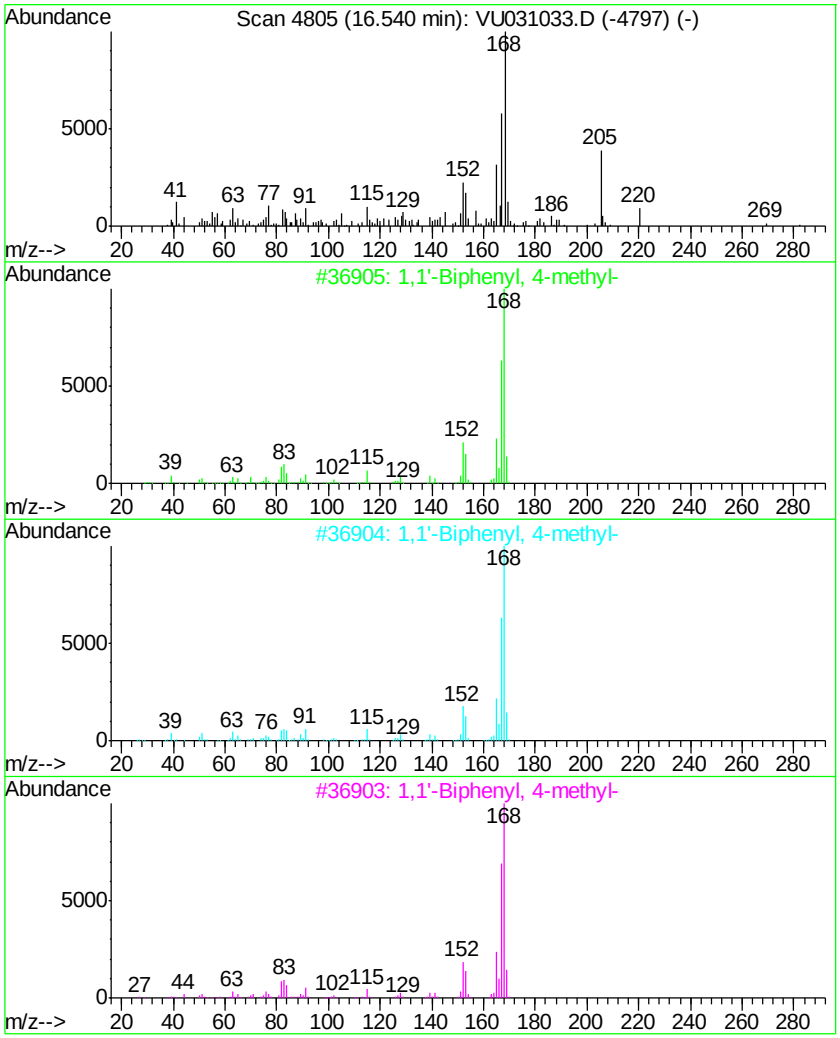
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

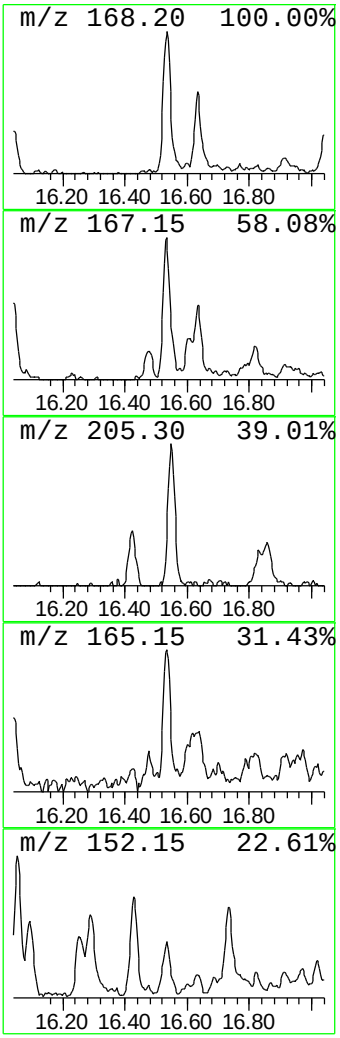
****

Peak Number 22 1,1'-Biphenyl, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	3.76 ug/L	120382	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	94
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	89
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031033.D
Acq On : 10 Apr 2019 23:46
Operator : JC/SP
Sample : K2299-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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, 1-propenyl-	11.77	10.2	ug/L	327138	3	11.48	1601280	50.0
(E)-1-Phenyl-1-bu...	12.28	3.9	ug/L	125003	3	11.48	1601280	50.0
1H-Indene, 2,3-di...	12.53	4.8	ug/L	152398	3	11.48	1601280	50.0
Benzene, 1,2,3,4-...	12.70	3.8	ug/L	121899	3	11.48	1601280	50.0
Benzene, 1,3-diet...	12.78	3.8	ug/L	122041	3	11.48	1601280	50.0
Indan, 1-methyl-	13.12	9.9	ug/L	316187	3	11.48	1601280	50.0
1H-Indene, 2,3-di...	13.73	4.2	ug/L	132804	3	11.48	1601280	50.0
Naphthalene, 1,2,...	13.85	5.2	ug/L	165986	3	11.48	1601280	50.0
1H-Indene, 2,3-di...	13.95	4.2	ug/L	134367	3	11.48	1601280	50.0
1H-Indene, 2,3-di...	14.33	7.1	ug/L	228185	3	11.48	1601280	50.0
Benzene, pentamet...	14.47	3.5	ug/L	111776	3	11.48	1601280	50.0
Naphthalene, 1,2,...	14.67	8.8	ug/L	280319	3	11.48	1601280	50.0
Naphthalene, 1-me...	14.87	8.9	ug/L	284798	3	11.48	1601280	50.0
Naphthalene, 1,5-...	15.91	7.6	ug/L	243352	3	11.48	1601280	50.0
Naphthalene, 1,6-...	16.05	13.3	ug/L	424995	3	11.48	1601280	50.0
Naphthalene, 1,4-...	16.26	6.2	ug/L	197414	3	11.48	1601280	50.0
1,1'-Biphenyl, 4-...	16.54	3.8	ug/L	120382	3	11.48	1601280	50.0