LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

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_V\METHOD\SOM2VLM050219S.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	1.212	34	38	50	rVB6	5024	8459	0.24%	0.055%
2	1.322	64	72	81	rVB	46827	46473	1.30%	0.304%
3	1.482	119	122	123	rBV	574	303	0.01%	0.002%
4	1.582	143	153	164	rBV	34691	41102	1.15%	0.269%
5	1.968	270	273	274	rBV3	762	437	0.01%	0.003%
6	2.055	295	300	307	rVB4	827	878	0.02%	0.006%
7	2.129	313	323	335	rVV	83166	115053	3.22%	0.752%
8	2.193	337	343	352	rVB5	1357	2019	0.06%	0.013%
9	2.312	372	380	389	rBV2	1028	1691	0.05%	0.011%
10	2.540	441	451	459	rVB2	5581	8322	0.23%	0.054%
11	2.659	484	488	496	rBV2	251	362	0.01%	0.002%
12	3.081	616	619	624	rVV4	447	370	0.01%	0.002%
13	3.296	680	686	693	rVB2	290	488	0.01%	0.003%
14	3.389	711	715	718	rBV	279	292	0.01%	0.002%
15	3.434	726	729	734	rVB2	289	281	0.01%	0.002%
16	3.460	734	737	745	rVB2	297	396	0.01%	0.003%
17	3.553	757	766	772	rBV2	345	651	0.02%	0.004%
18	3.936	876	885	910	rBV2	7530	20052	0.56%	0.131%
19	4.238	974	979	981	rBV	261	290	0.01%	0.002%
20	4.402	1012	1030	1054	rBV	72297	176743	4.94%	1.156%
21	4.749	1132	1138	1142	rBV	268	370	0.01%	0.002%
22	5.096	1227	1246	1277	rBV2	160270	403889	11.30%	2.641%
23	5.662	1409	1422	1442	rBV	174965	360212	10.08%	2.356%
24	5.929	1502	1505	1506	rBV2	703	336	0.01%	0.002%
25	5.945	1507	1510	1511	rVV2	662	404	0.01%	0.003%
26	6.119	1551	1564	1582	rBV2	88440	183399	5.13%	1.199%
27	6.572	1703	1705	1710	rVV2	327	311	0.01%	0.002%
28	6.656	1728	1731	1738	rBV2	358	493	0.01%	0.003%
29	6.762	1758	1764	1768	rBV2	261	349	0.01%	0.002%
30	6.952	1816	1823	1825	rBV	298	309	0.01%	0.002%
31	7.029	1836	1847	1866	rBV	42656	78023	2.18%	0.510%
32	7.360	1935	1950	1985	rBV	199279	366439	10.25%	2.396%
33	7.662	2035	2044	2064	rVV2	25221	42158	1.18%	0.276%
34	7.932	2121	2128	2133	rBV3	465	650	0.02%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

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_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

35	8.135	2180	2191	2209	rBV	31019	55214	1.54%	0.361%
36	8.383	2260	2268	2273	rBV2	274	369	0.01%	0.002%
37	8.559	2319	2323	2327	rBV2	240	270	0.01%	0.002%
38	8.688	2358	2363	2367	rBV2	285	367	0.01%	0.002%
39	8.714	2367	2371	2374	rBV2	319	319	0.01%	0.002%
40	8.836	2405	2409	2415	rVV2	372	431	0.01%	0.003%
41	8.894	2415	2427	2468	rVV	254752	442134	12.37%	2.891%
42	9.183	2507	2517	2527	rBV2	3995	6296	0.18%	0.041%
43	9.601	2634	2647	2659	rBV6	4949	10539	0.29%	0.069%
44	9.849	2719	2724	2728	rBV2	356	476	0.01%	0.003%
45	10.260	2838	2852	2872	rBV	66740	103059	2.88%	0.674%
46	10.424	2889	2903	2911	rBV2	1276	2227	0.06%	0.015%
47	10.489	2917	2923	2930	rBV3	3200	4851	0.14%	0.032%
48	10.585	2944	2953	2962	rBV2	6112	8522	0.24%	0.056%
49	10.624	2962	2965	2974	rVB4	594	663	0.02%	0.004%
50	10.685	2980	2984	2990	rBV2	319	457	0.01%	0.003%
51	10.784	3007	3015	3019	rBV2	1538	2275	0.06%	0.015%
52	10.810	3019	3023	3030	rVB3	2367	2826	0.08%	0.018%
53	10.958	3058	3069	3082	rVV2	26566	41279	1.15%	0.270%
54	11.029	3082	3091	3100	rVV	27162	40449	1.13%	0.265%
55	11.080	3100	3107	3120	rVV2	9606	13904	0.39%	0.091%
56	11.132	3120	3123	3130	rVB2	407	385	0.01%	0.003%
57	11.215	3143	3149	3161	rVB4	2058	3419	0.10%	0.022%
58	11.292	3161	3173	3191	rBV	256069	405025	11.33%	2.649%
59	11.382	3191	3201	3212	rVV	15304	22119	0.62%	0.145%
60	11.440	3212	3219	3231	rVB2	6035	8598	0.24%	0.056%
61	11.575	3252	3261	3269	rBV4	7274	12161	0.34%	0.080%
62	11.617	3271	3274	3280	rVB3	2840	2757	0.08%	0.018%
63	11.672	3280	3291	3309	rVB	194982	320561	8.97%	2.096%
64	11.791	3316	3328	3338	rBV	119907	185905	5.20%	1.216%
65	11.958	3372	3380	3383	rBV3	6598	8174	0.23%	0.053%
66	12.035	3397	3404	3407	rBV3	8764	11103	0.31%	0.073%
67	12.119	3423	3430	3439	rVV5	7579	12408	0.35%	0.081%
68	12.157	3440	3442	3448	rVB5	2145	1898	0.05%	0.012%
69	12.241	3458	3468	3476	rVB2	37610	58326	1.63%	0.381%
70	12.296	3476	3485	3495	rVB5	14688	22669	0.63%	0.148%
71	12.360	3495	3505	3512	rVB4	4579	6790	0.19%	0.044%

LSC Area Percent Report

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Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

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_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

72	12.411	3512	3521	3527	rBV7	4765	7452	0.21%	0.049%
73	12.456	3527	3535	3543	rBV	18506	25786	0.72%	0.169%
74	12.511	3543	3552	3565	rBV2	45548	87184	2.44%	0.570%
75	12.636	3583	3591	3603	rBV3	35481	62254	1.74%	0.407%
76	12.771	3626	3633	3643	rVB2	21156	27991	0.78%	0.183%
77	12.842	3647	3655	3662	rBV7	5629	7640	0.21%	0.050%
78	12.929	3663	3682	3691	rBV3	90745	156217	4.37%	1.022%
79	12.993	3693	3702	3714	rVB	155048	233778	6.54%	1.529%
80	13.099	3724	3735	3752	rVB	193091	326602	9.14%	2.136%
81	13.193	3753	3764	3777	rBV4	21691	53992	1.51%	0.353%
82	13.263	3779	3786	3793	rVB2	16308	21416	0.60%	0.140%
83	13.315	3795	3802	3809	rBV4	23799	35392	0.99%	0.231%
84	13.415	3829	3833	3839	rVB	12892	12537	0.35%	0.082%
85	13.550	3858	3875	3887	rBV	2147026	3262605	91.26%	21.335%
86	13.948	3991	3999	4008	rBV4	44762	77855	2.18%	0.509%
87	14.086	4038	4042	4049	rVB2	27775	33476	0.94%	0.219%
88	14.144	4050	4060	4069	rBV5	83302	158407	4.43%	1.036%
89	14.540	4177	4183	4197	rVB3	30445	55751	1.56%	0.365%
90	14.623	4203	4209	4215	rBV3	15856	23702	0.66%	0.155%
91	14.681	4215	4227	4243	rVV	2394056	3574918	100.00%	23.377%
92	14.865	4273	4284	4300	rBV	963943	1503748	42.06%	9.833%
93	15.411	4448	4454	4465	rVB	66179	97881	2.74%	0.640%
94	15.601	4505	4513	4521	rBV	114707	174161	4.87%	1.139%
95	15.717	4537	4549	4564	rBV	403834	681211	19.06%	4.455%
96	15.861	4584	4594	4601	rBV	334110	518058	14.49%	3.388%
97	15.993	4628	4635	4646	rVB2	34828	54562	1.53%	0.357%
98	16.086	4649	4664	4675	rVV2	74441	174407	4.88%	1.140%
99	16.231	4703	4709	4720	rVB2	31200	45572	1.27%	0.298%
100	16.324	4730	4738	4757	rVB2	62859	116488	3.26%	0.762%

Sum of corrected areas: 15292272

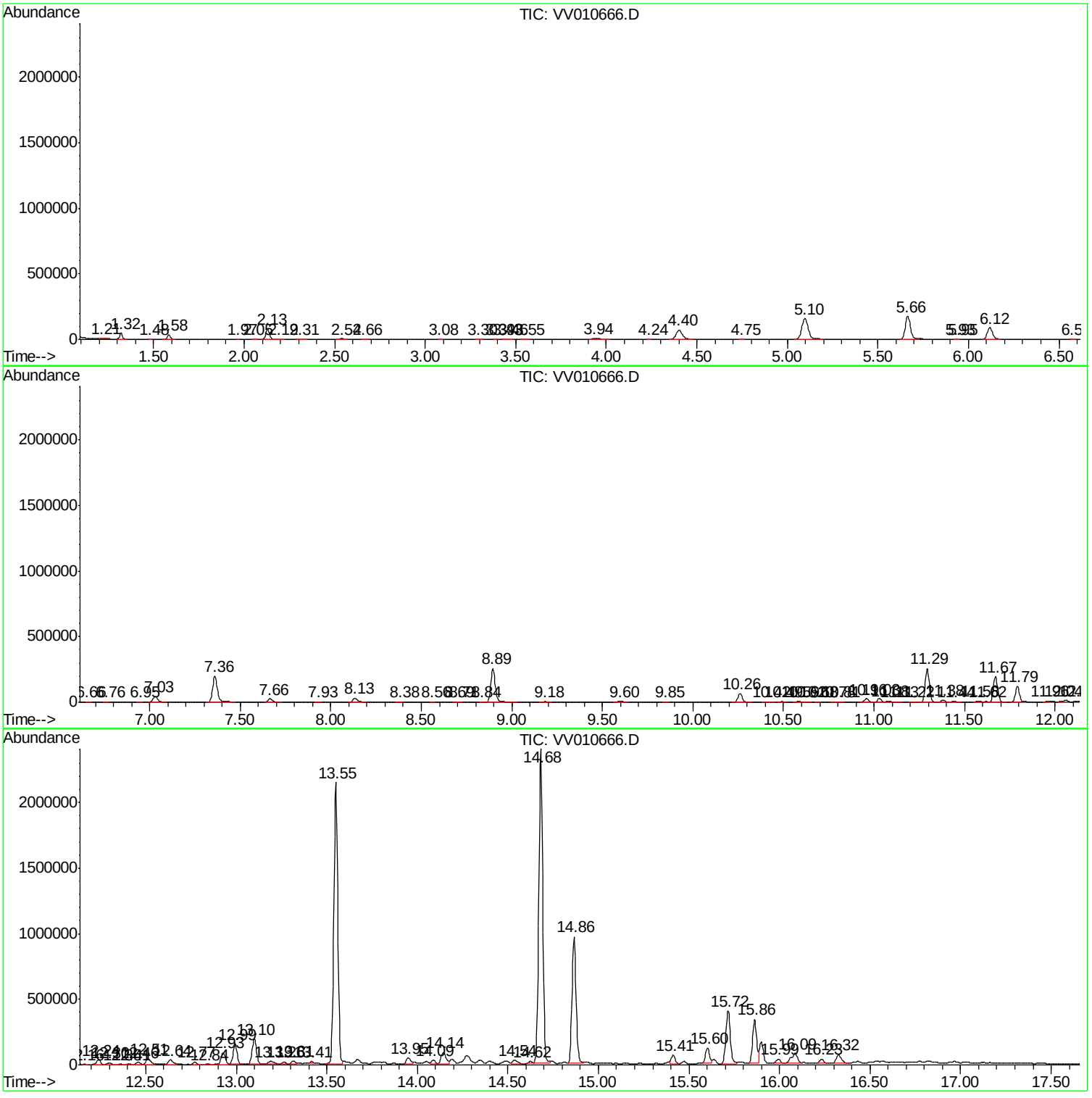
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.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_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

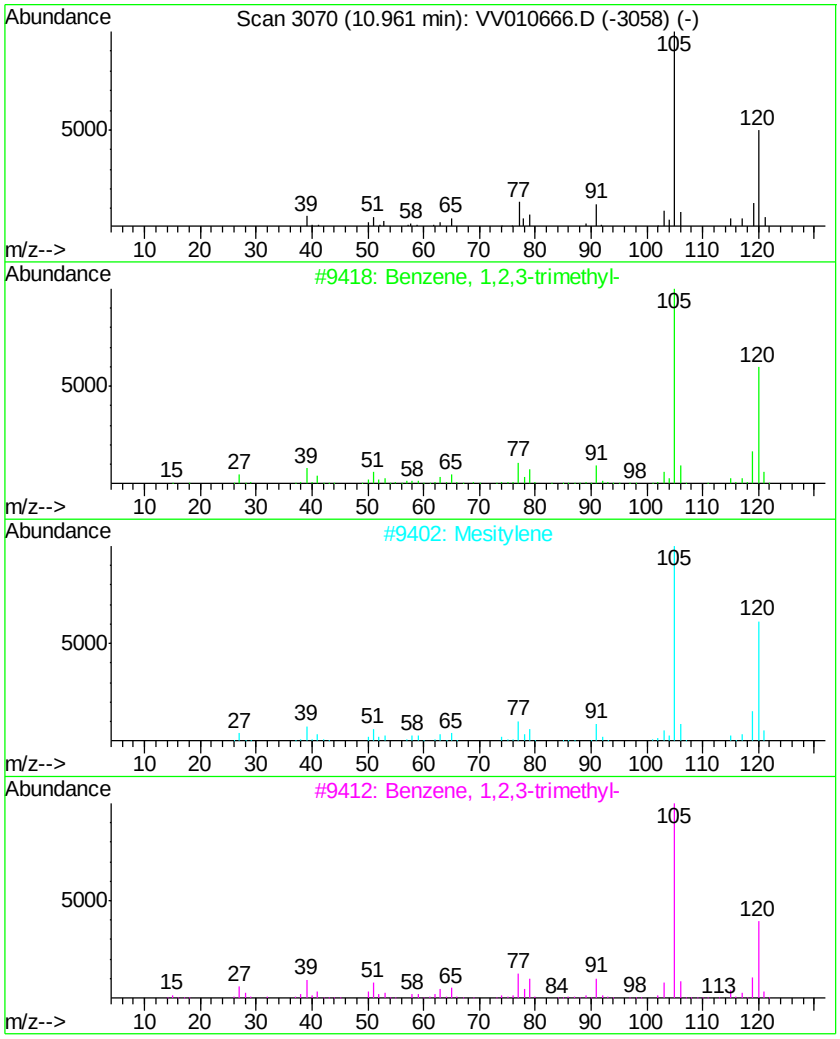
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

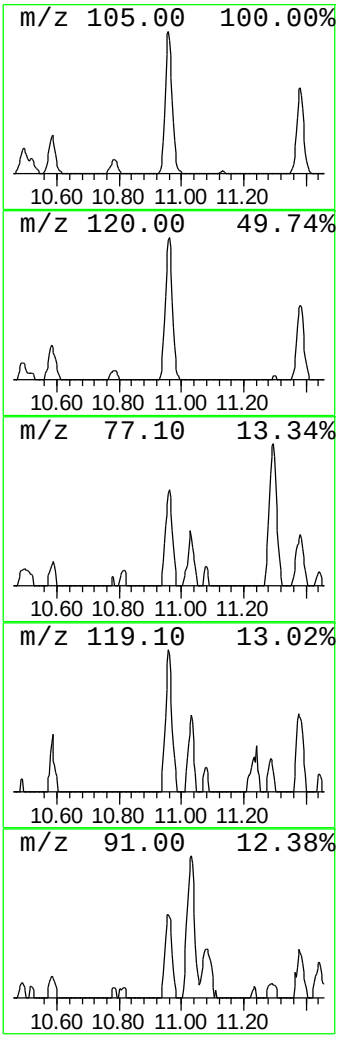
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	2.55 ug/L	41279	1,4-Dichlorobenzene-d4	11.30

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	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

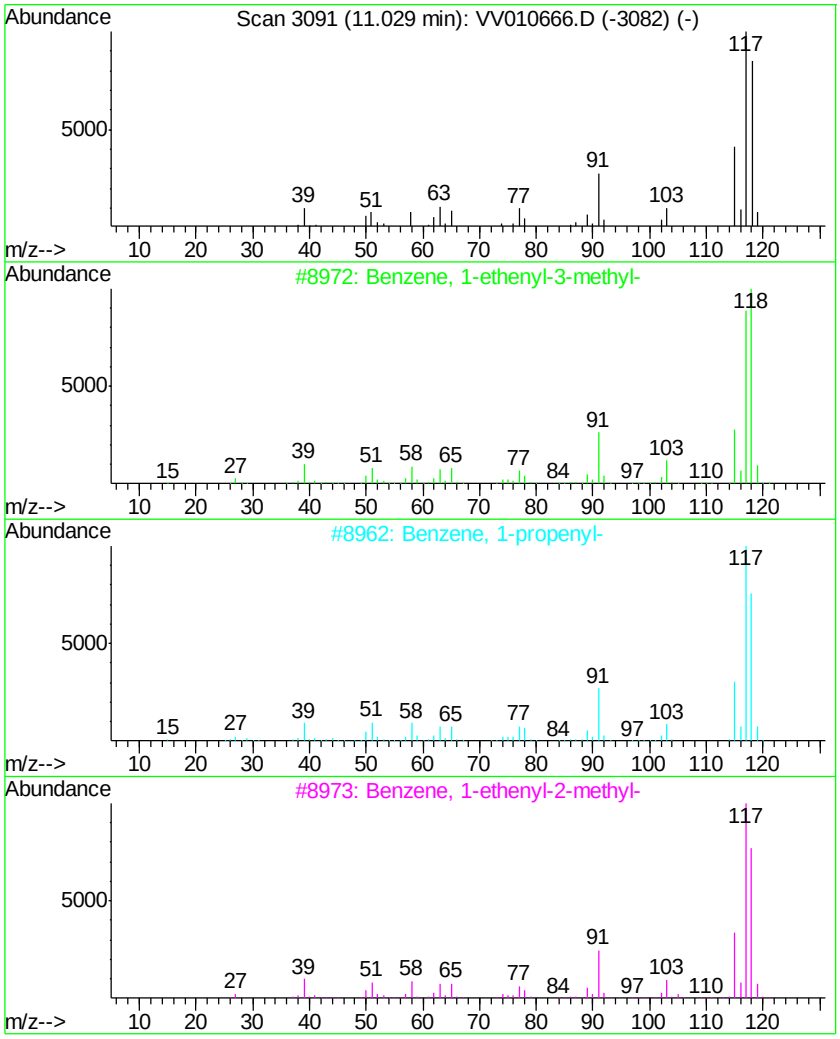
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

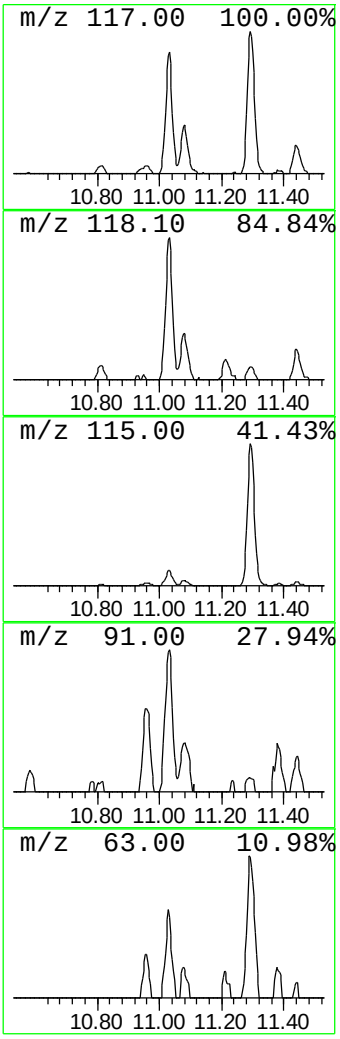
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	2.50 ug/L	40449	1,4-Dichlorobenzene-d4	11.30

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

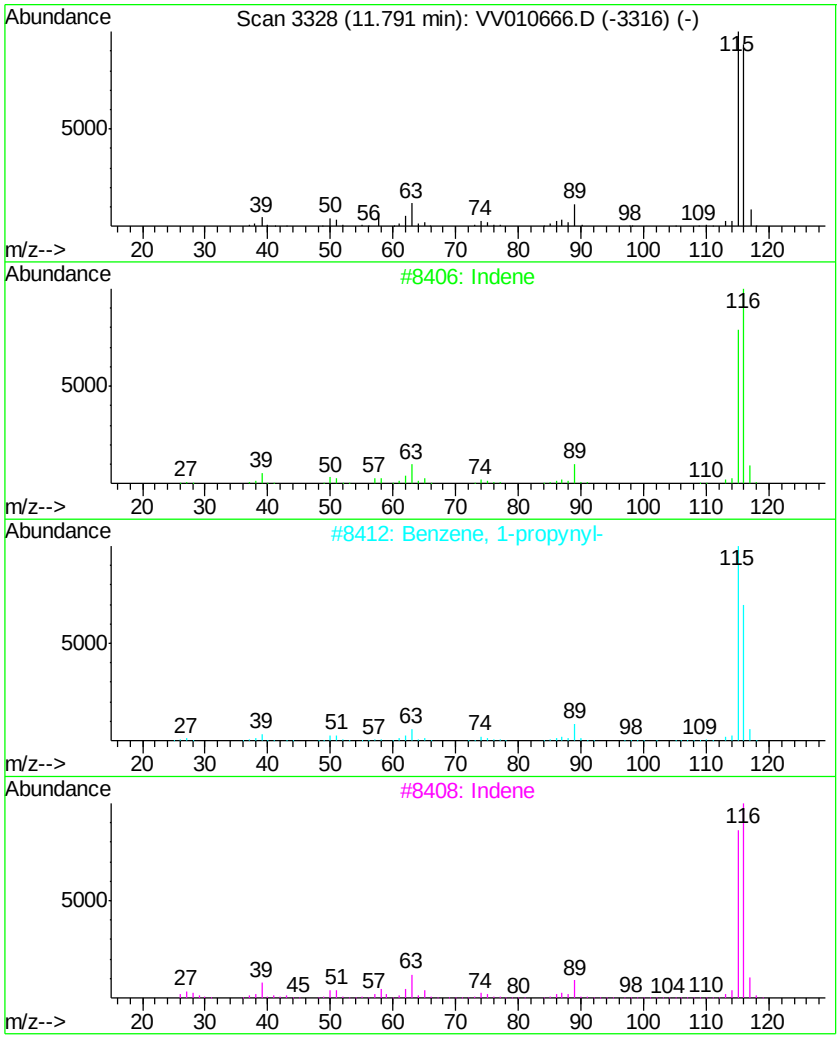
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

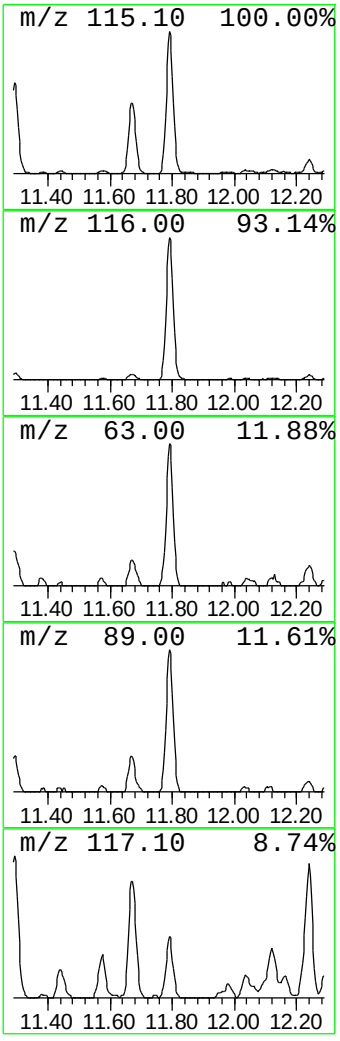
****

Peak Number 5 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	11.47 ug/L	185905	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

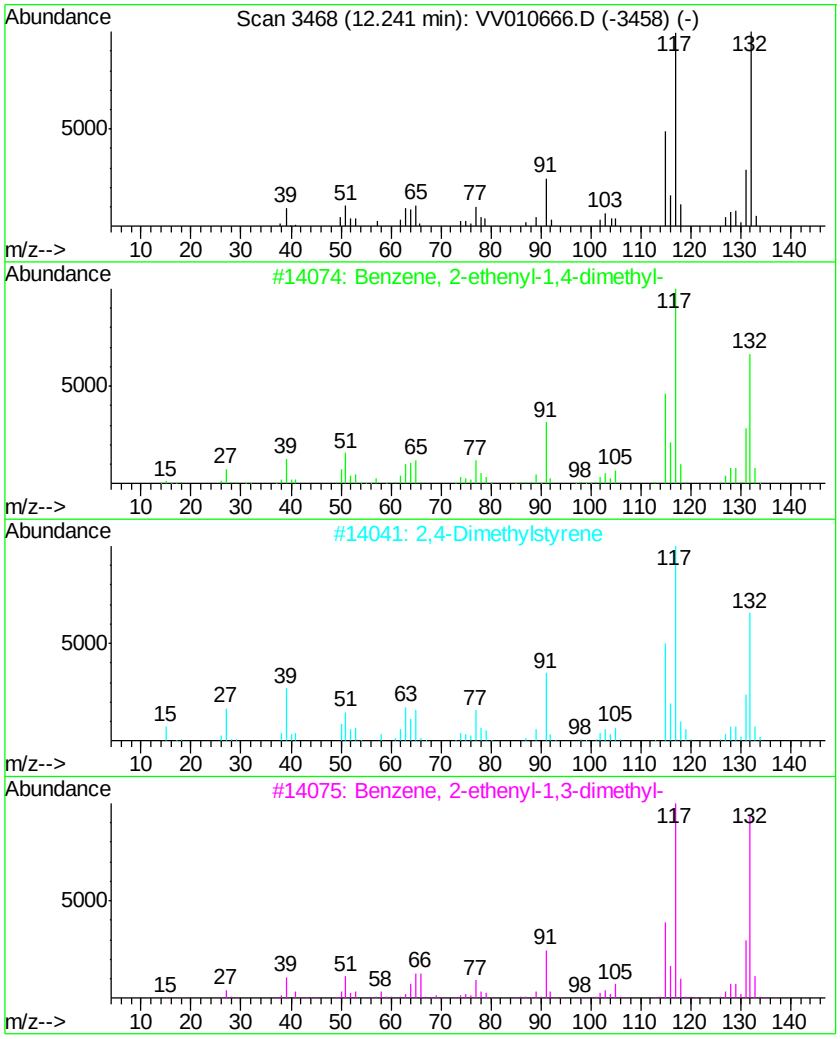
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

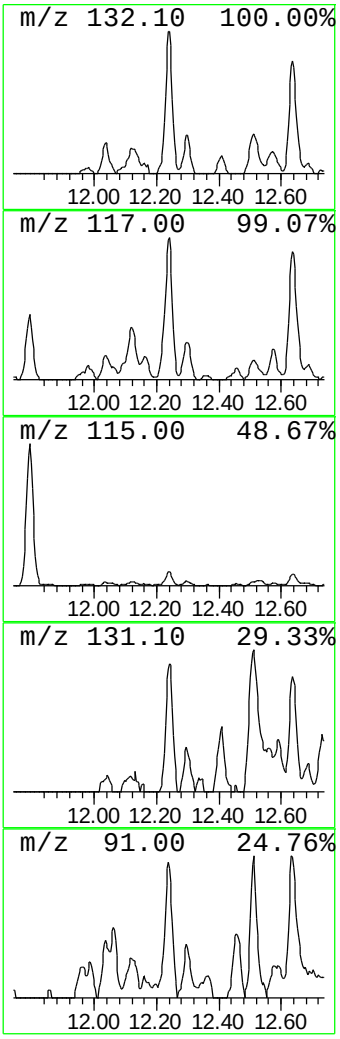
****

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	3.60 ug/L	58326	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

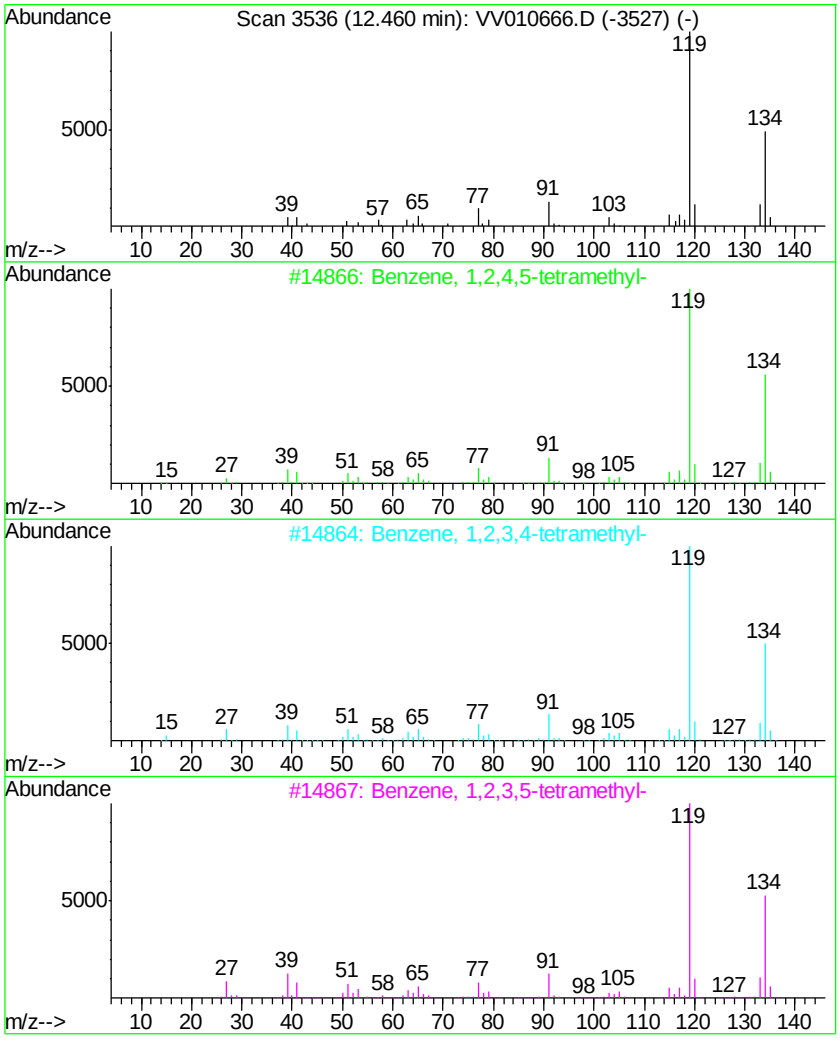
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

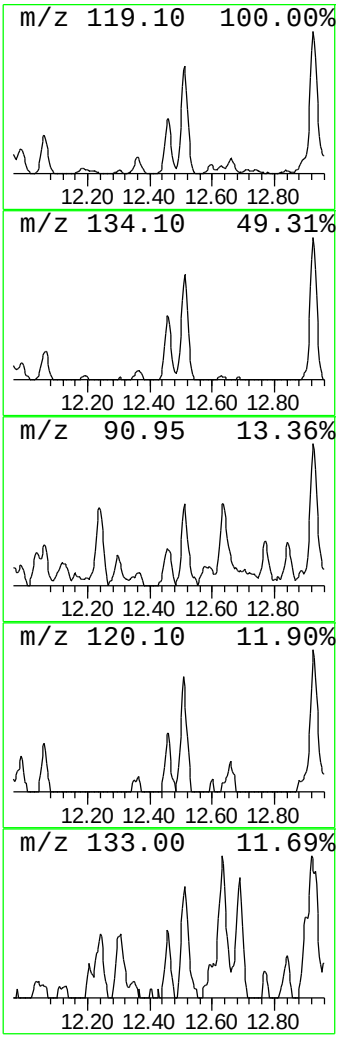
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	1.59 ug/L	25786	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

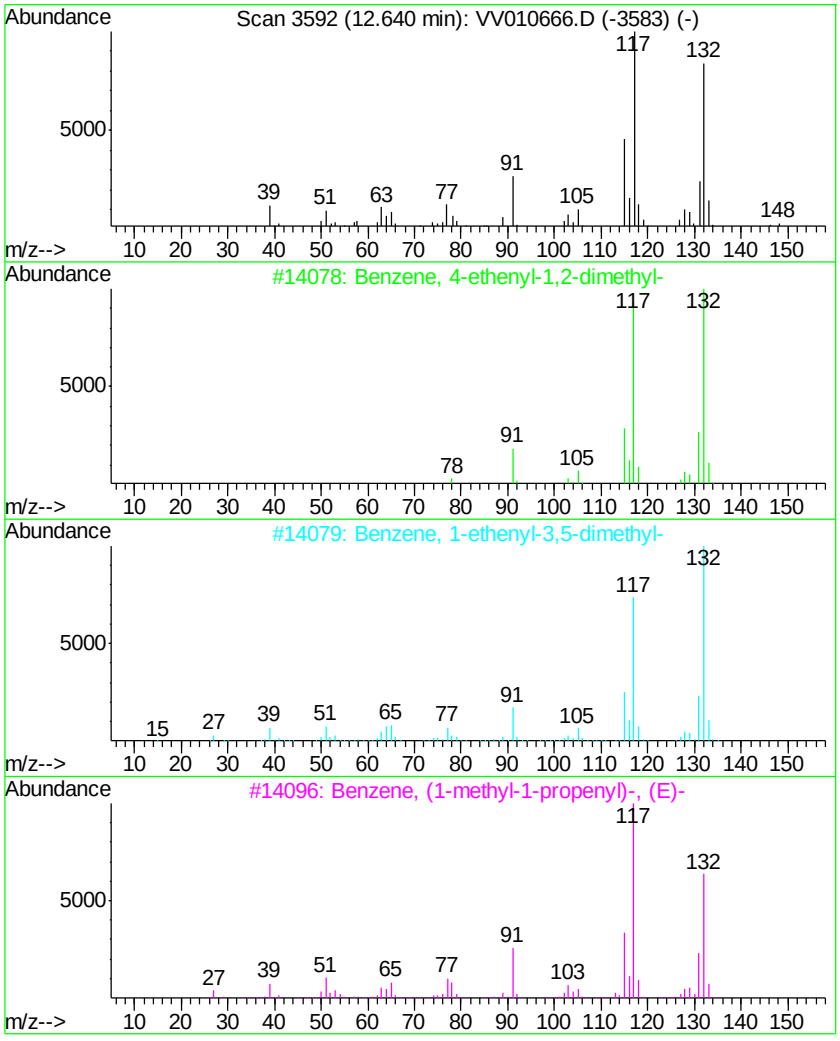
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

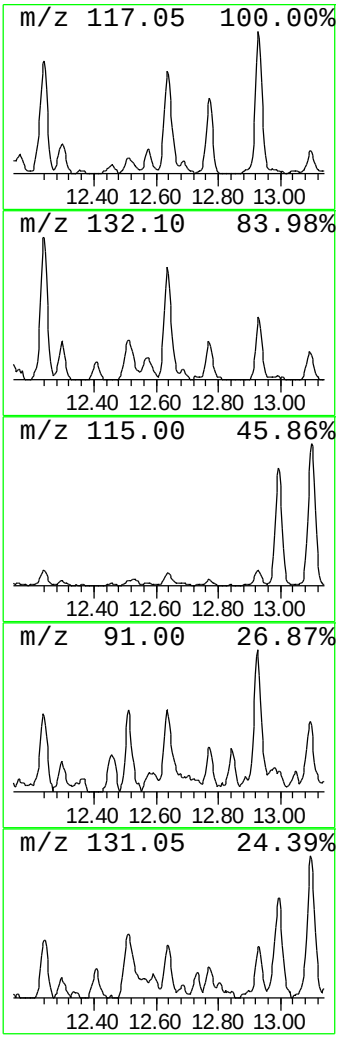
****

Peak Number 10 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.84 ug/L	62254	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	96
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	96
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

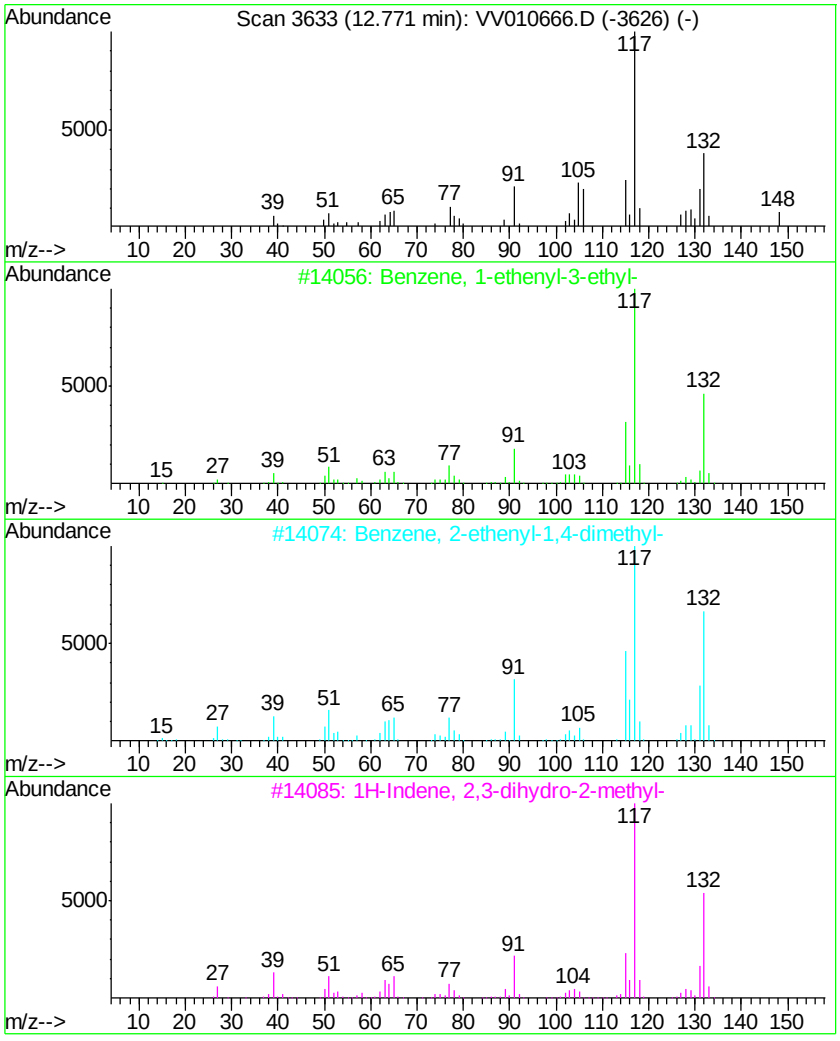
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

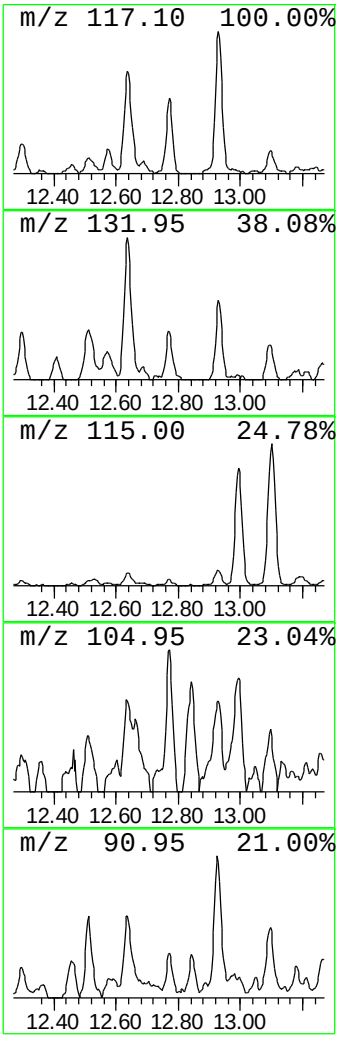
****

Peak Number 11 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.73 ug/L	27991	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70





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Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

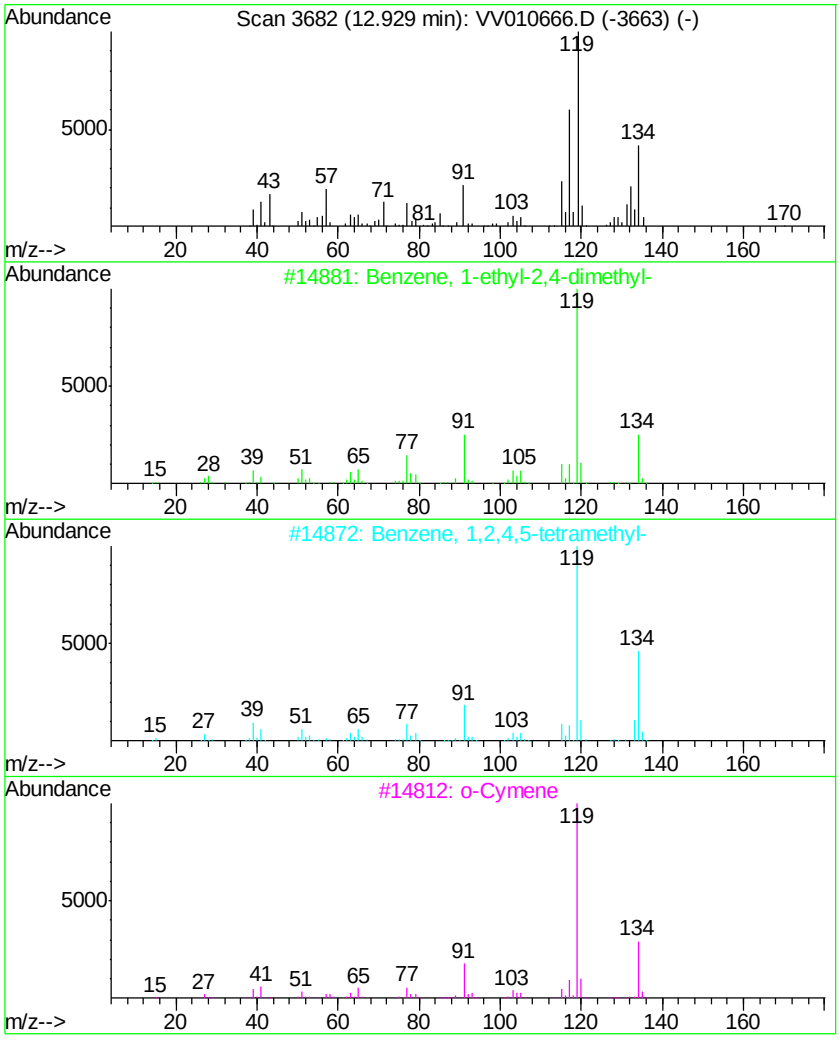
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

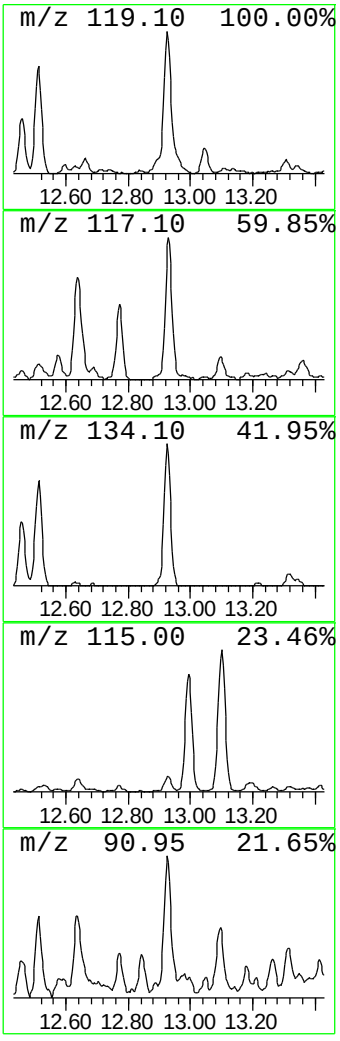
****

Peak Number 12 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	9.64 ug/L	156217	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5	o-Cymene	134	C10H14	000527-84-4	60





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Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

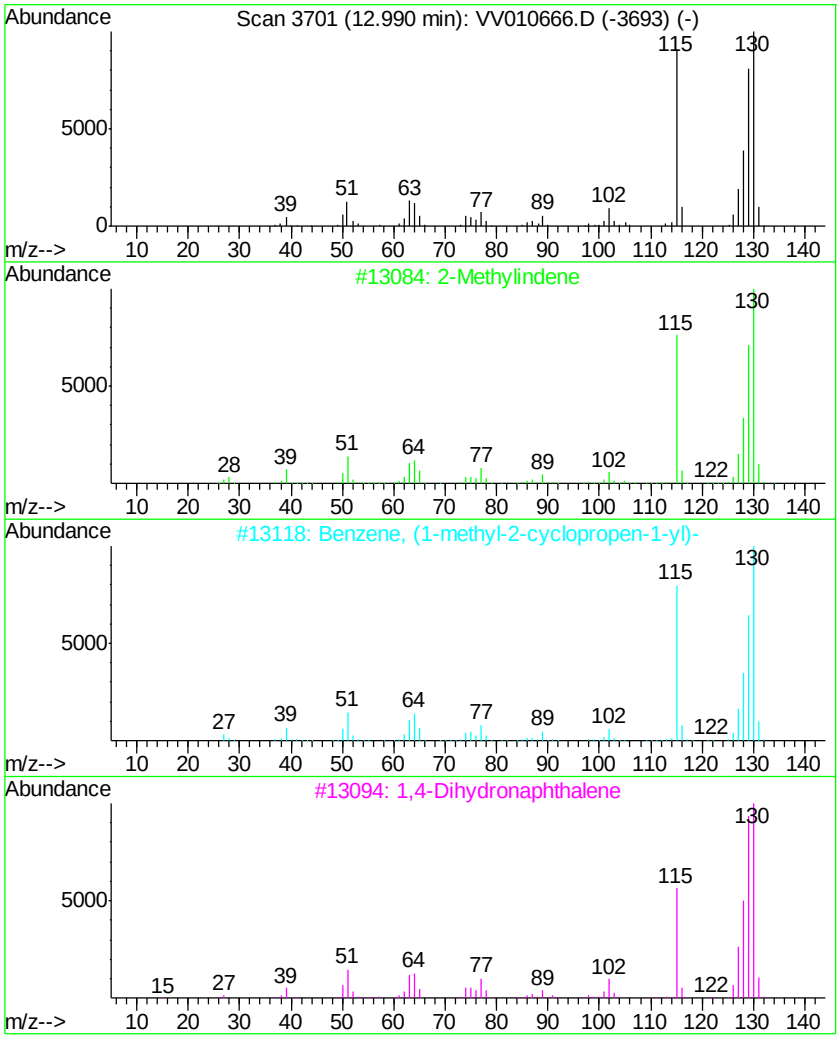
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

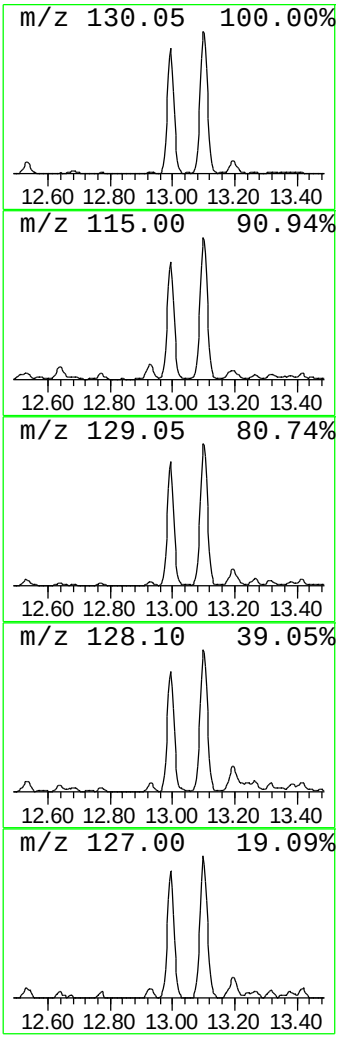
****

Peak Number 13 2-Methylindene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	14.43 ug/L	233778	1,4-Dichlorobenzene-d4	11.30

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	95
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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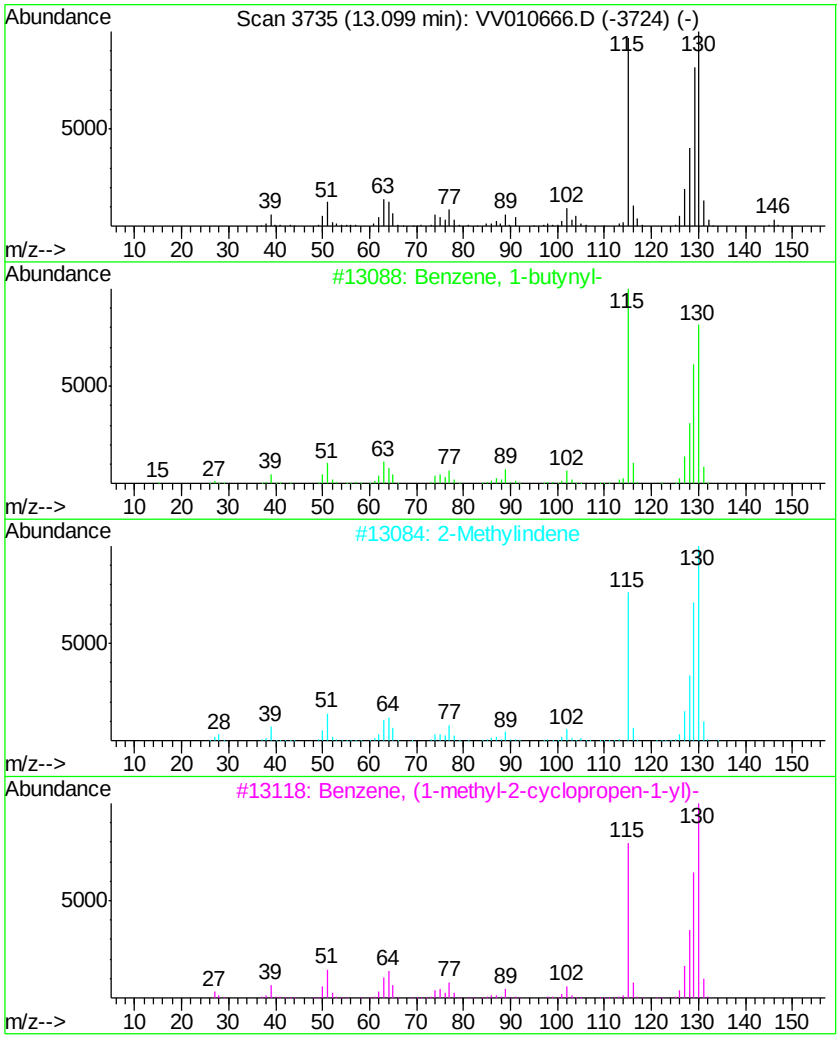
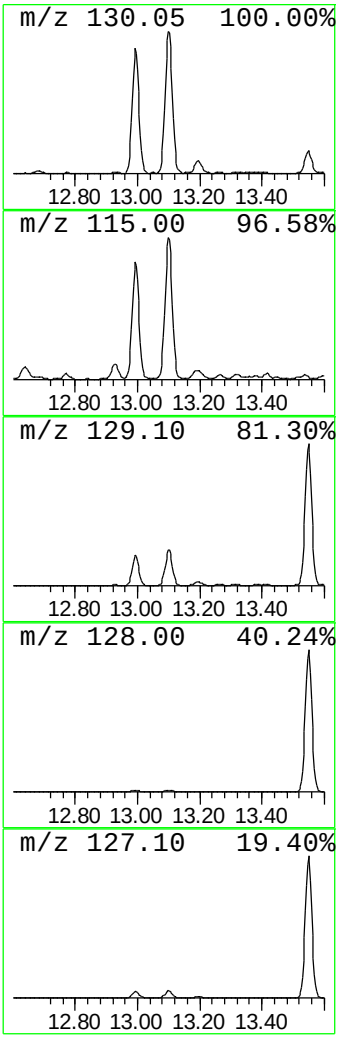
Peak Number 14 Benzene, 1-butynyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	20.16 ug/L	326602	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





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Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

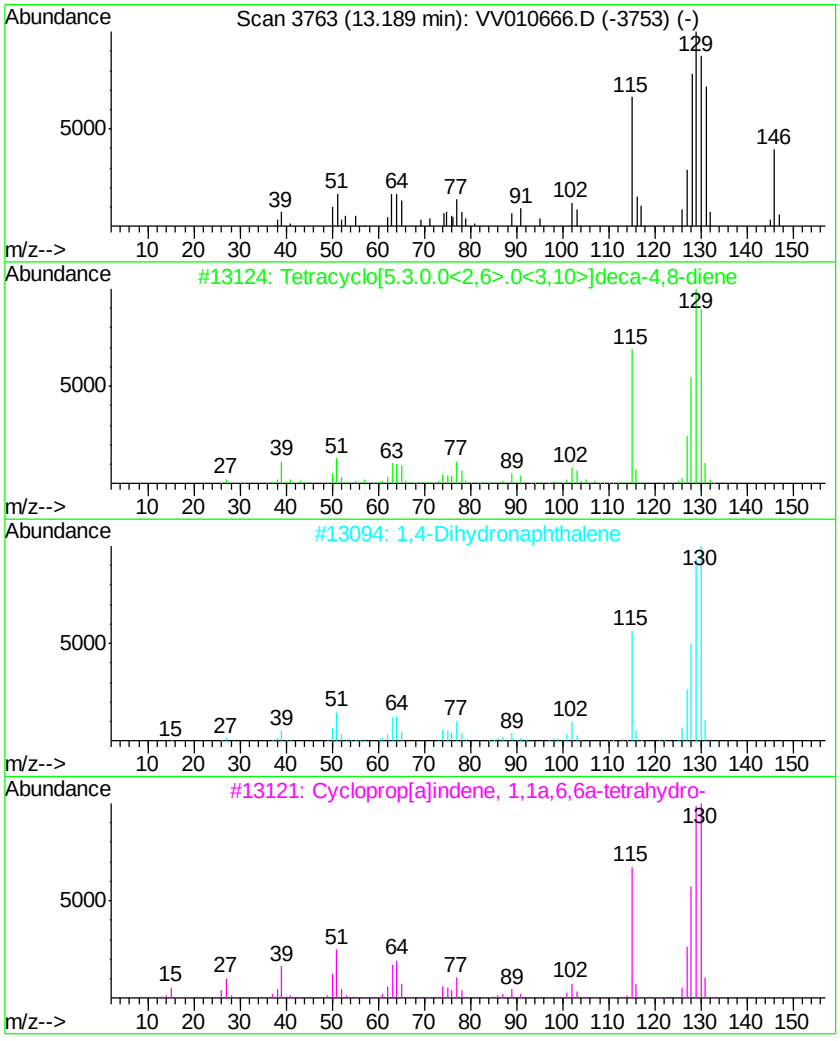
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

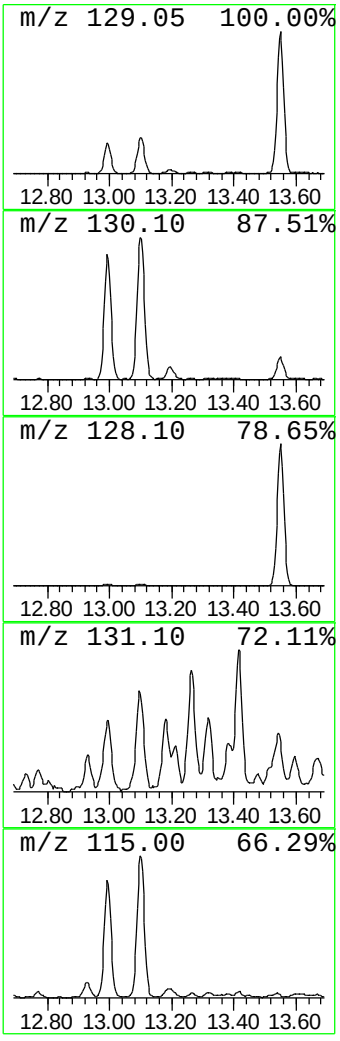
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.33 ug/L	53992	1,4-Dichlorobenzene-d4	11.30

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	92
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	91
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
4	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	89
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89





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Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

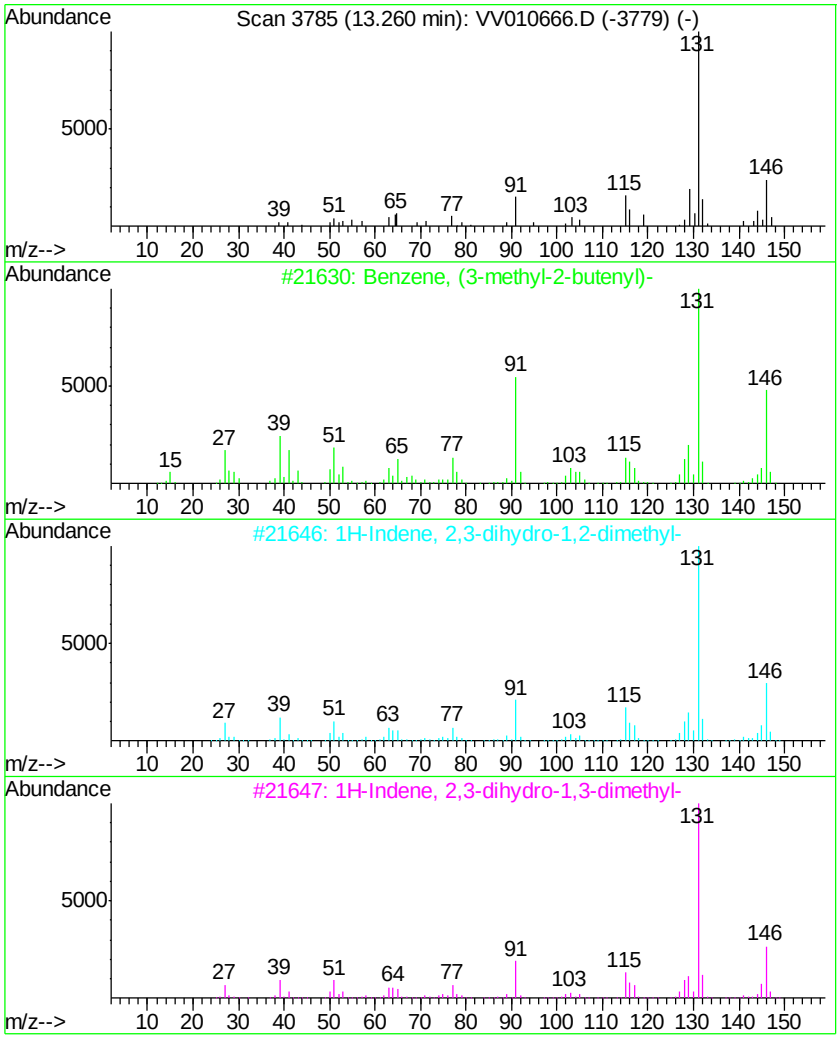
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

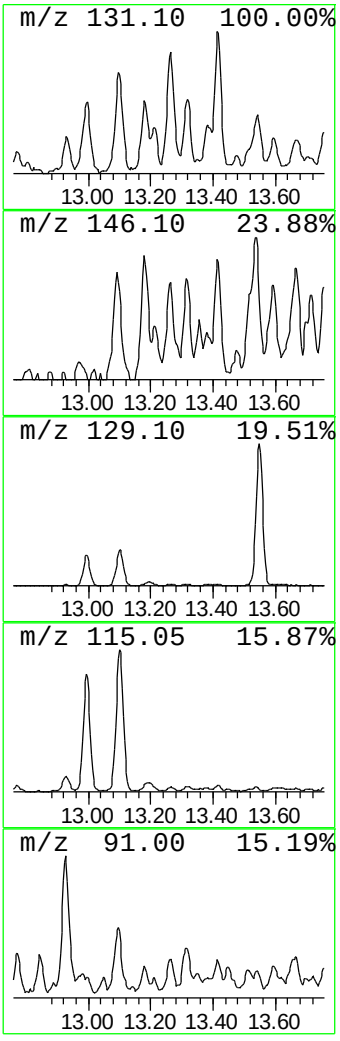
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, (3-methyl-2-butenyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.32 ug/L	21416	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	80
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	80





Library Search Compound Report

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Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

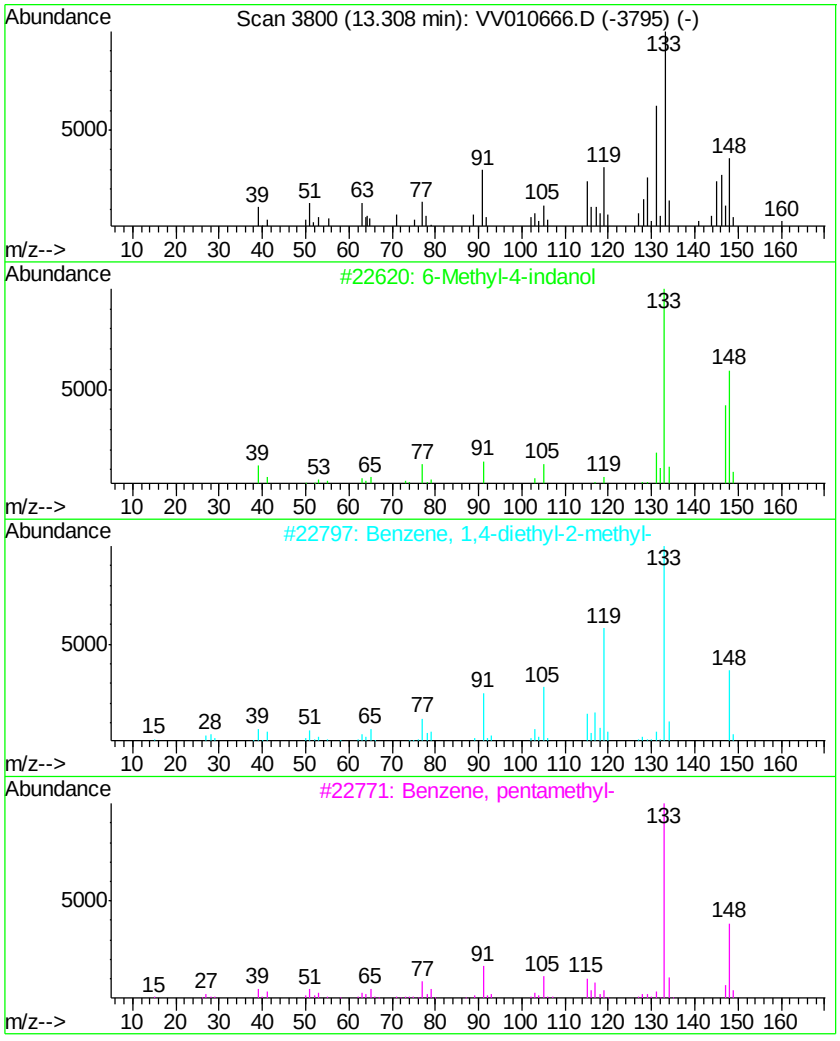
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

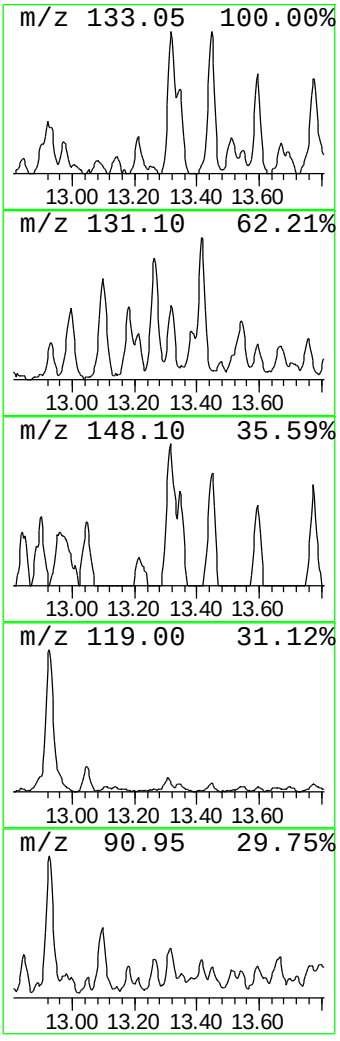
****

Peak Number 17 6-Methyl-4-indanol Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	2.18 ug/L	35392	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	52
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	46
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	46
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	46
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	46





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Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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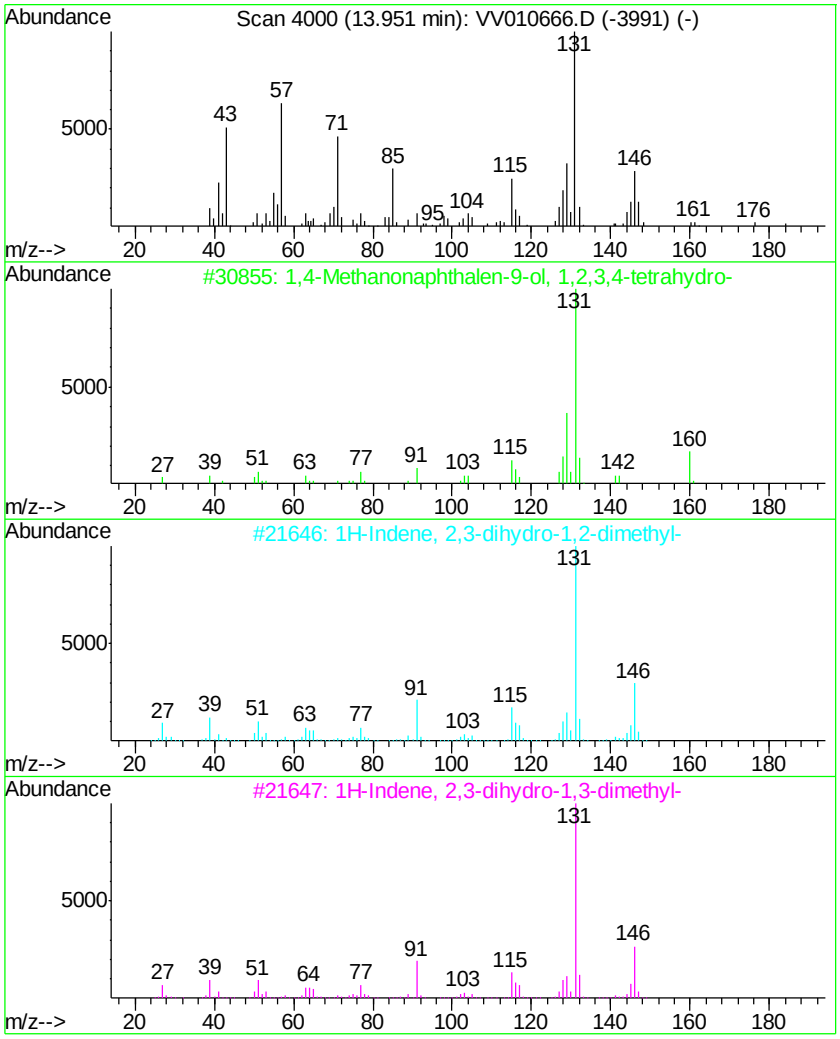
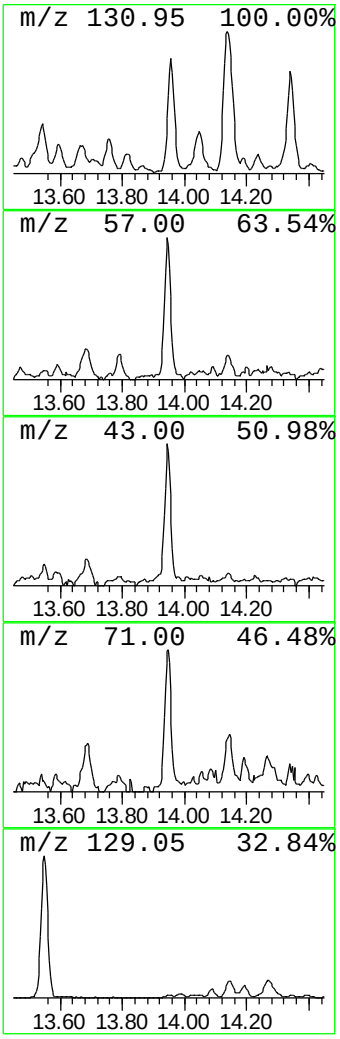
Peak Number 19 1,4-Methanonaphthalen-9-ol,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.81 ug/L	77855	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	50
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	45
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	43
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	43





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Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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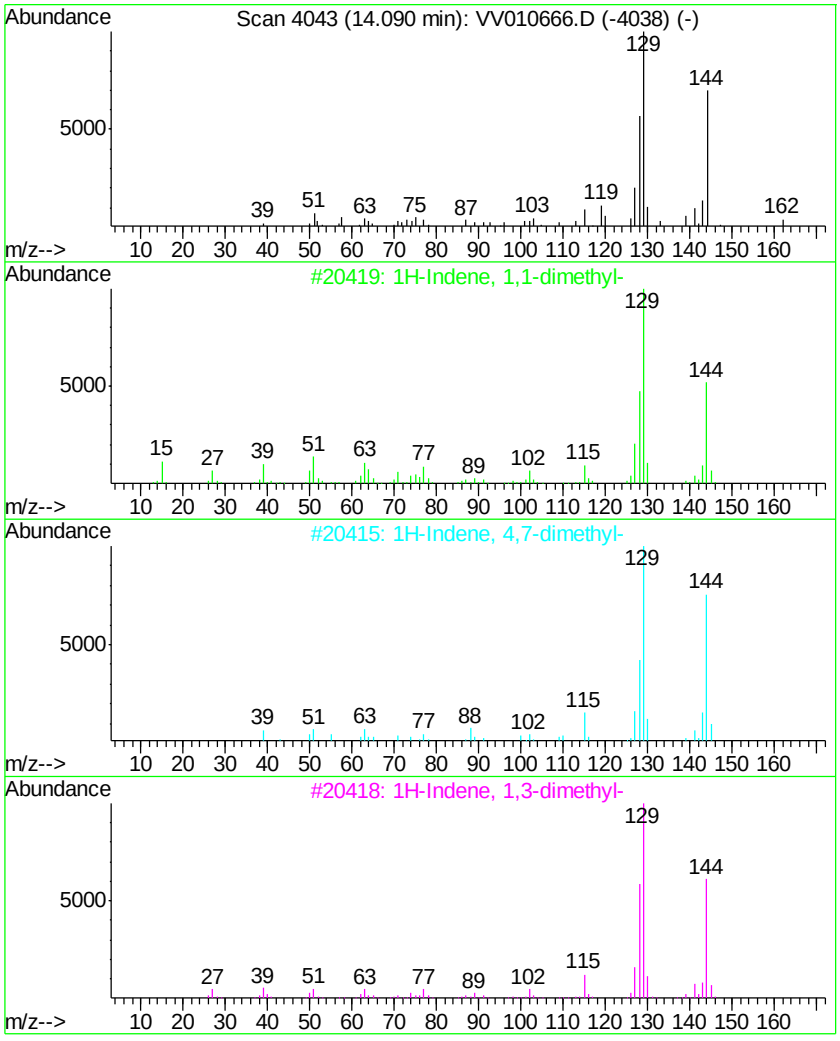
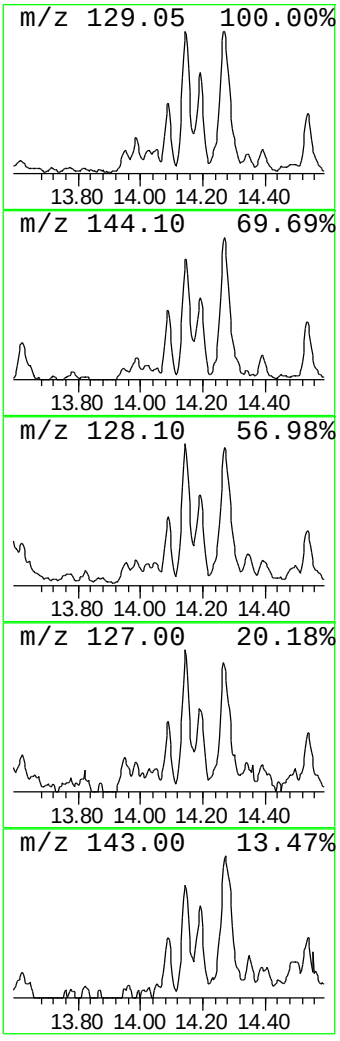
Peak Number 20 1H-Indene, 1,1-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	2.07 ug/L	33476	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	87
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	81





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Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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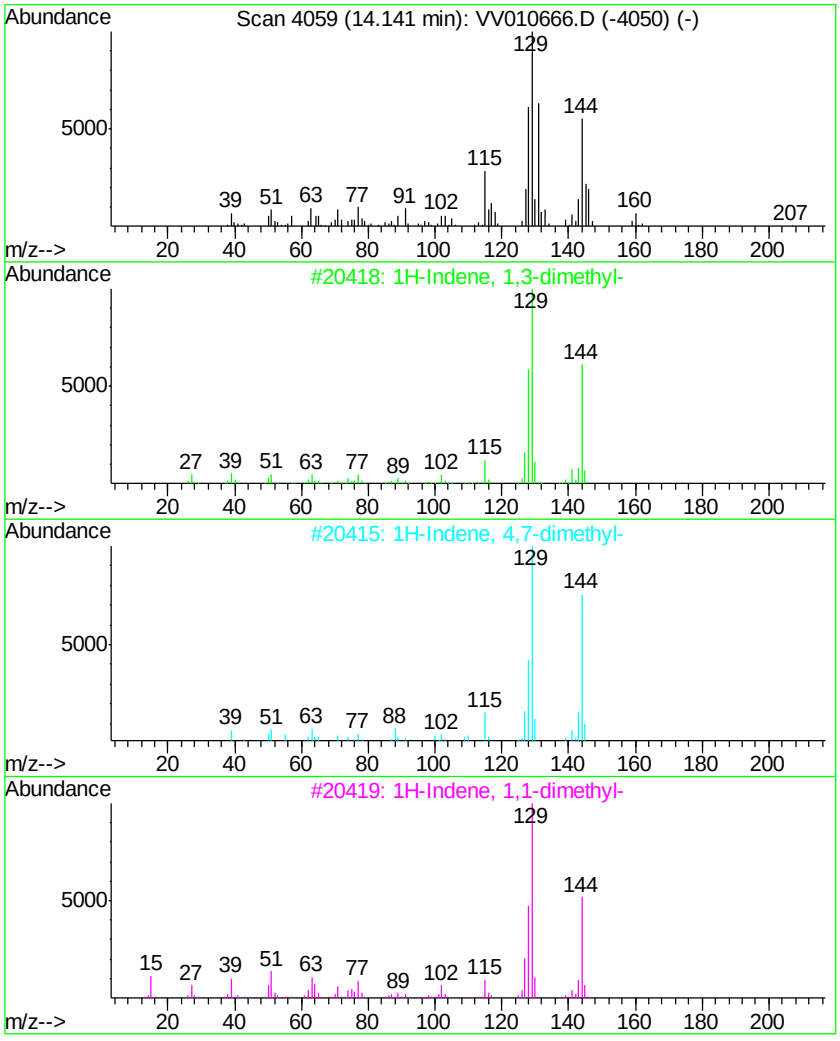
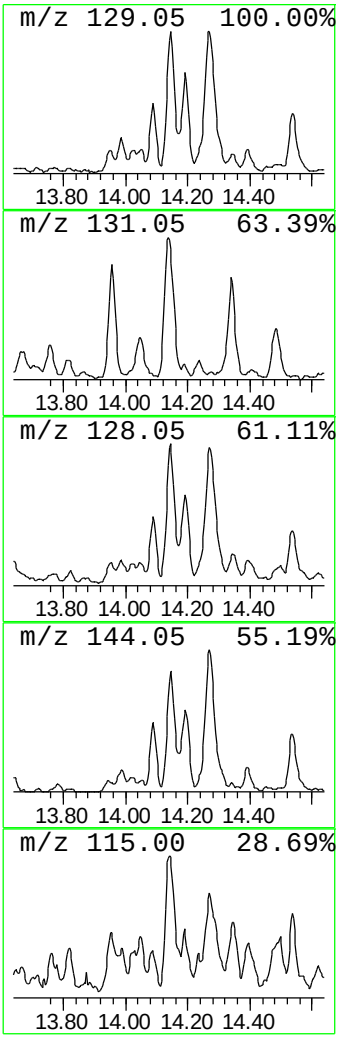
Peak Number 21 1H-Indene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	9.78 ug/L	158407	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	70
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	70
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70
4	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	70
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	70





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

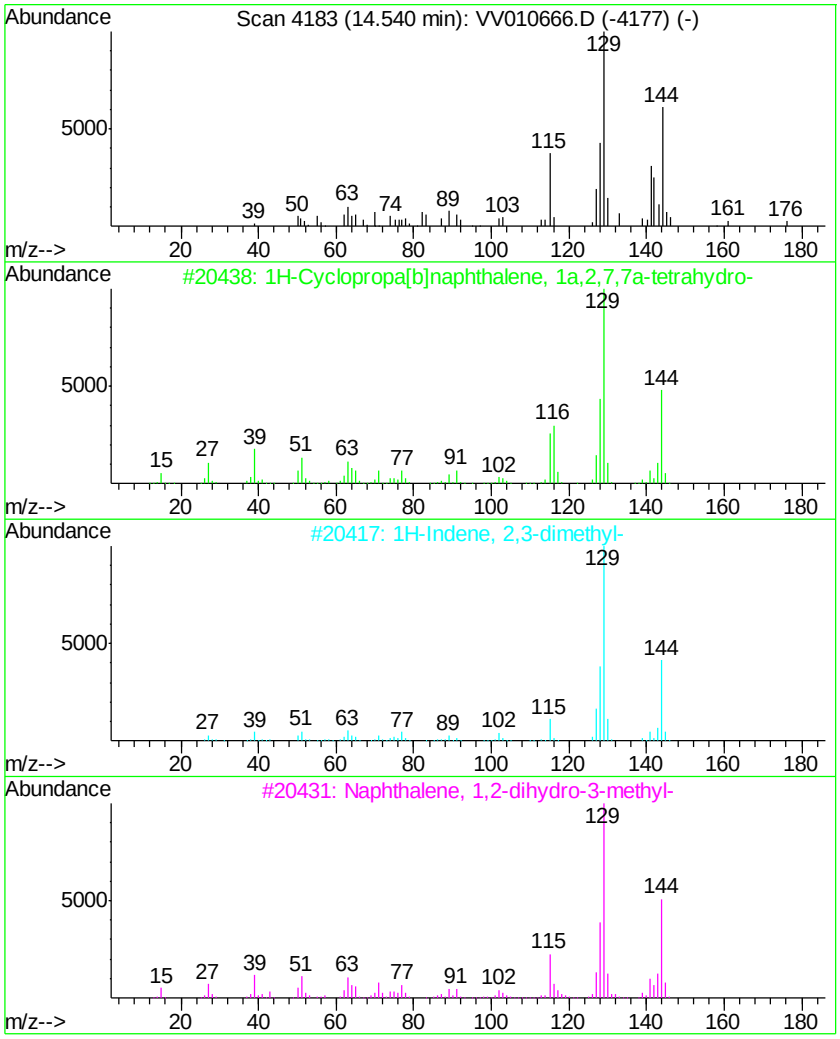
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

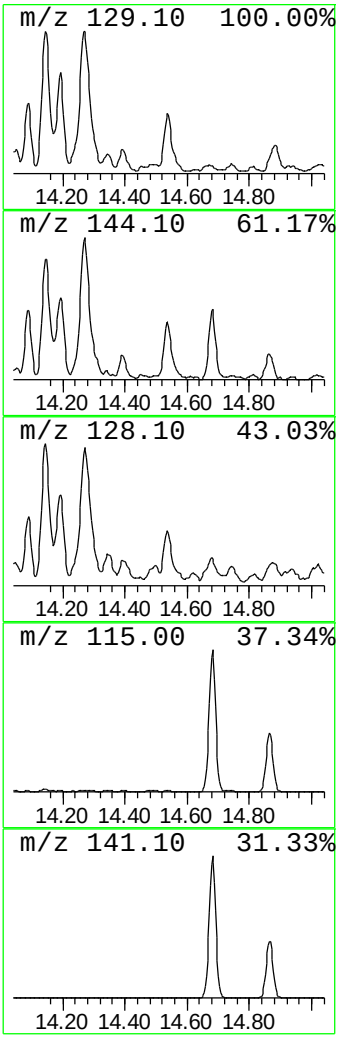
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1H-Cyclopropa[b]naphthalene... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.44 ug/L	55751	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	90
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	81
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	81
4	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	81
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	76





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Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

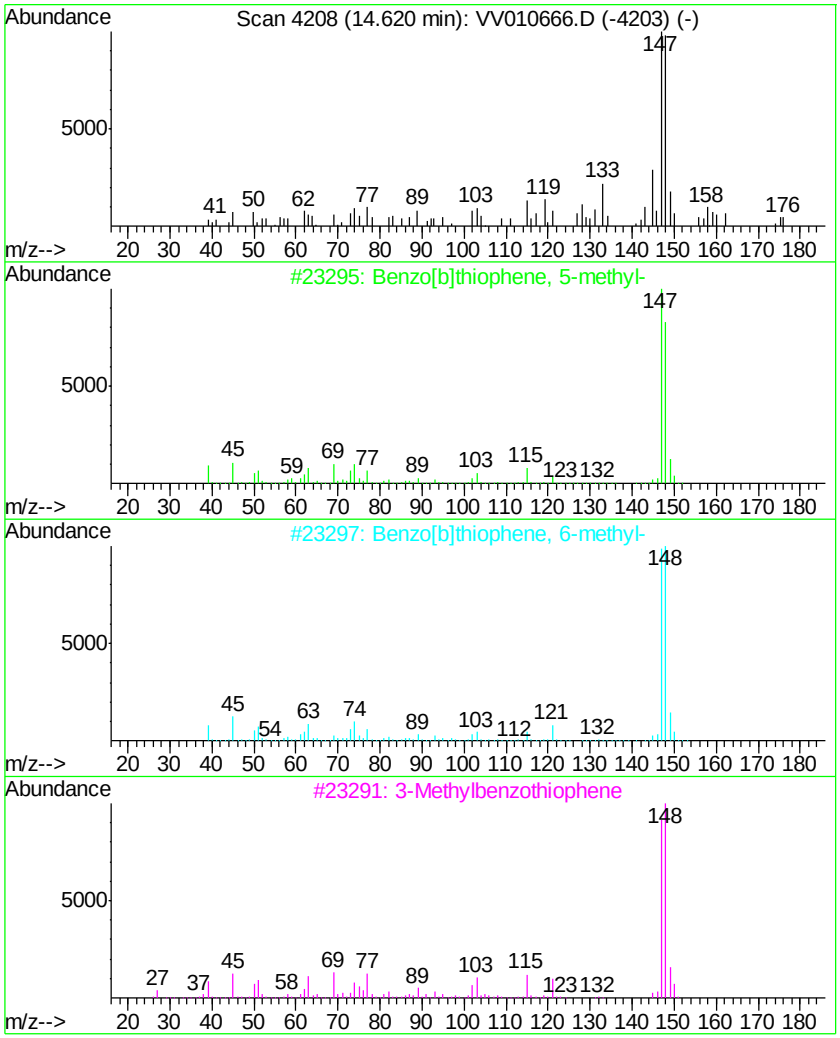
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

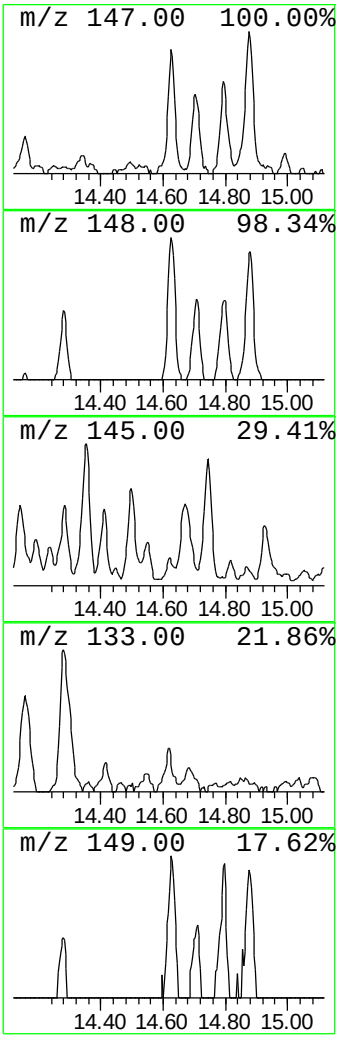
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzo[b]thiophene, 5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	1.46 ug/L	23702	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	76
2	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	76
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	70
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	64
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

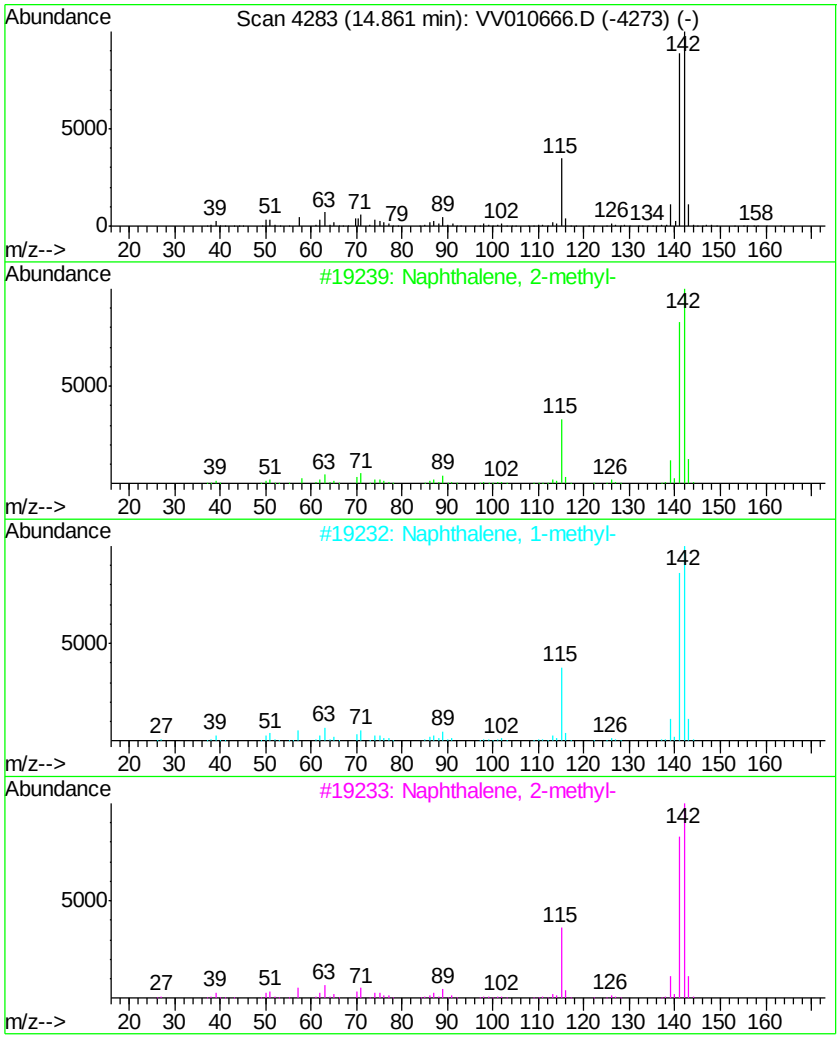
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

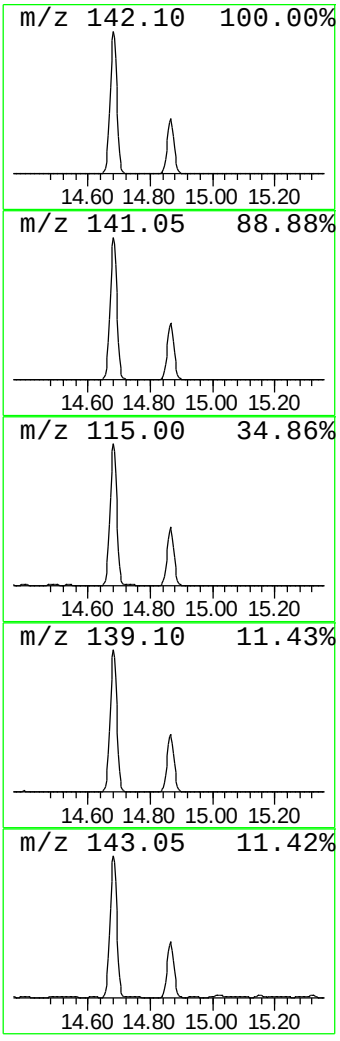
****

Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	92.82 ug/L	1503750	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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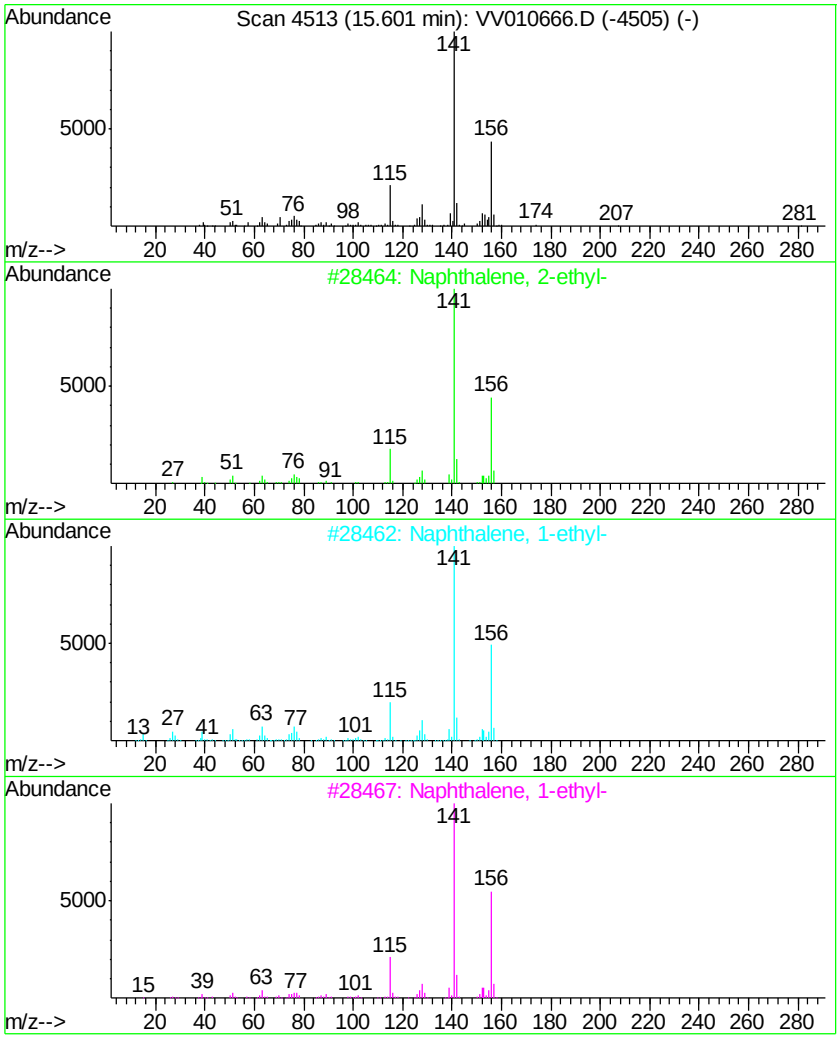
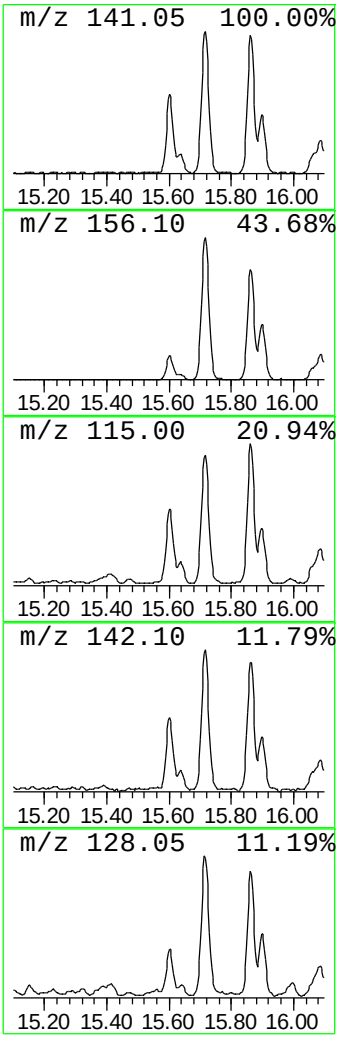
Peak Number 27 Naphthalene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	10.75 ug/L	174161	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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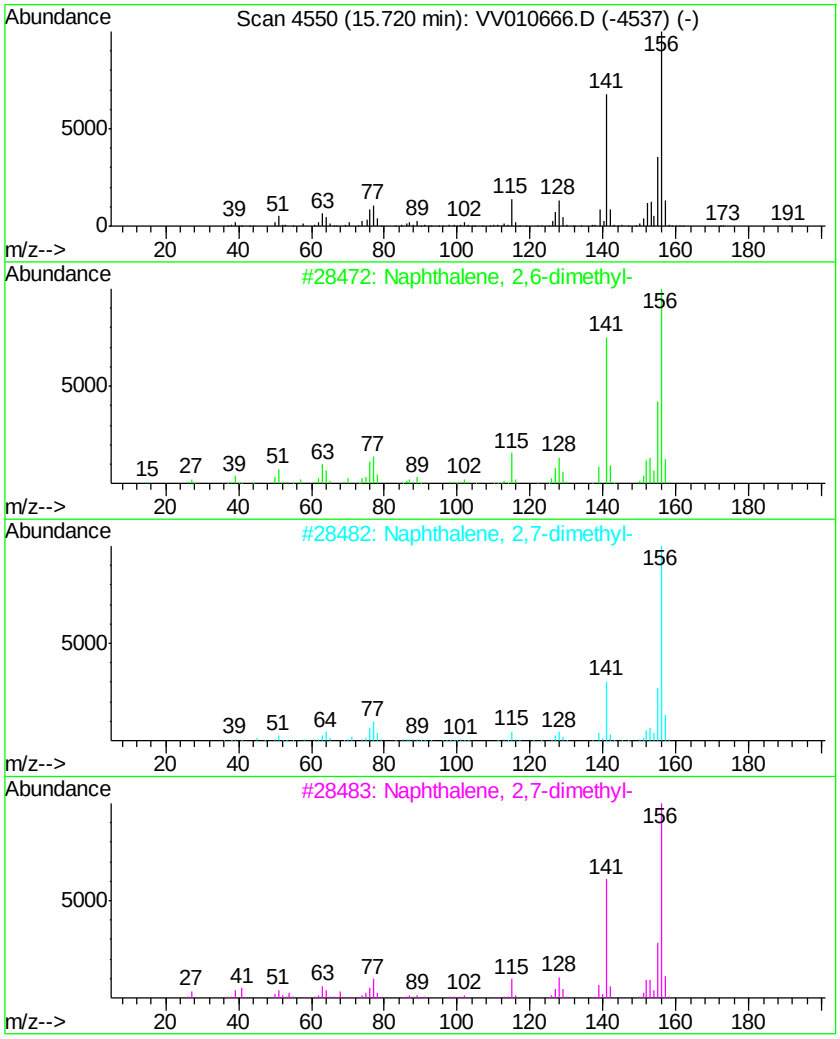
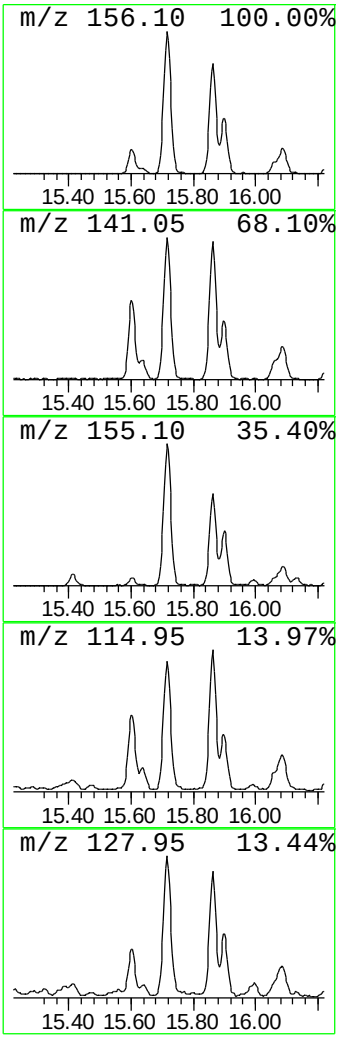
Peak Number 28 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	42.05 ug/L	681211	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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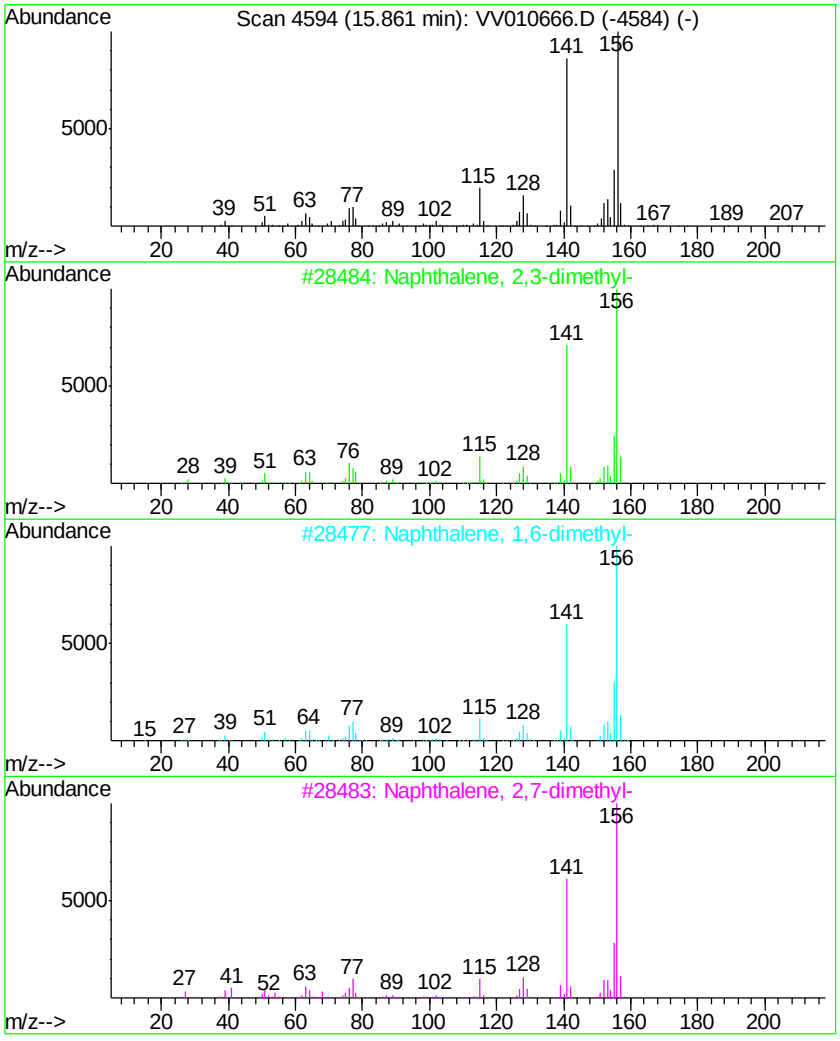
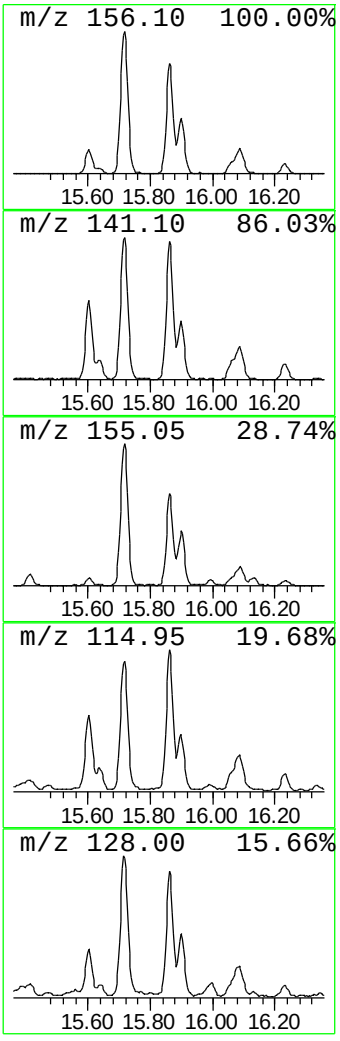
Peak Number 29 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	31.98 ug/L	518058	1,4-Dichlorobenzene-d4	11.30

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

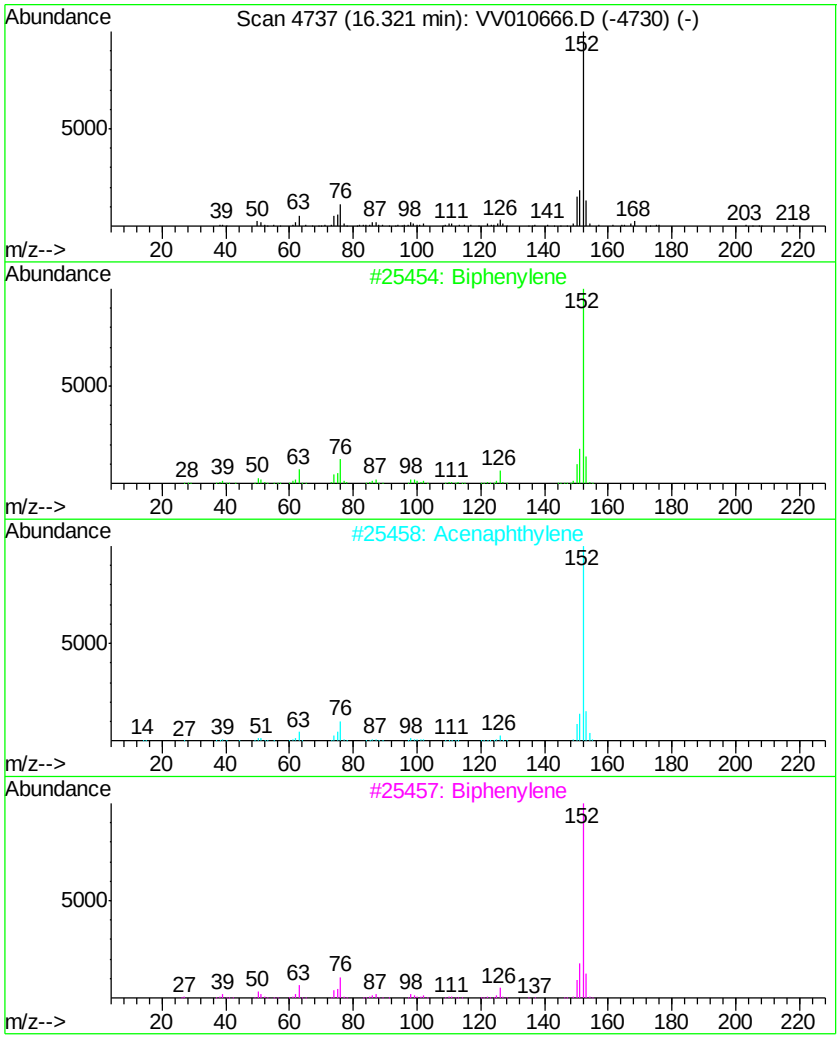
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

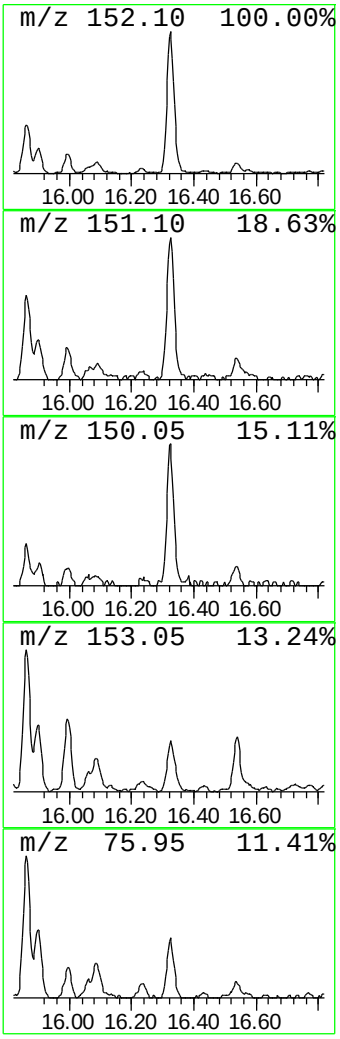
****

Peak Number 33 Biphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	7.19 ug/L	116488	1,4-Dichlorobenzene-d4	11.30

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	83
4	Acenaphthylene	152	C12H8	000208-96-8	81
5	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010666.D
Acq On : 03 May 2019 19:30
Operator : SY/MD
Sample : K2603-21
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.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, 1,2,3-tr...	10.96	2.5	ug/L	41279	3	11.30	405025	25.0
Benzene, 1-etheny...	11.03	2.5	ug/L	40449	3	11.30	405025	25.0
Indene	11.79	11.5	ug/L	185905	3	11.30	405025	25.0
Benzene, 2-etheny...	12.24	3.6	ug/L	58326	3	11.30	405025	25.0
Benzene, 1,2,4,5-...	12.46	1.6	ug/L	25786	3	11.30	405025	25.0
Benzene, 4-etheny...	12.64	3.8	ug/L	62254	3	11.30	405025	25.0
Benzene, 1-etheny...	12.77	1.7	ug/L	27991	3	11.30	405025	25.0
Benzene, 1-ethyl-...	12.93	9.6	ug/L	156217	3	11.30	405025	25.0
2-Methylindene	12.99	14.4	ug/L	233778	3	11.30	405025	25.0
Benzene, 1-butynyl-	13.10	20.2	ug/L	326602	3	11.30	405025	25.0
Tetracyclo[5.3.0....	13.19	3.3	ug/L	53992	3	11.30	405025	25.0
Benzene, (3-methy...	13.26	1.3	ug/L	21416	3	11.30	405025	25.0
6-Methyl-4-indanol	13.31	2.2	ug/L	35392	3	11.30	405025	25.0
1,4-Methanonaphth...	13.95	4.8	ug/L	77855	3	11.30	405025	25.0
1H-Indene, 1,1-di...	14.09	2.1	ug/L	33476	3	11.30	405025	25.0
1H-Indene, 1,3-di...	14.14	9.8	ug/L	158407	3	11.30	405025	25.0
1H-Cyclopropa[b]n...	14.54	3.4	ug/L	55751	3	11.30	405025	25.0
Benzo[b]thiophene...	14.62	1.5	ug/L	23702	3	11.30	405025	25.0
Naphthalene, 1-me...	14.86	92.8	ug/L	1503750	3	11.30	405025	25.0
Naphthalene, 2-et...	15.60	10.8	ug/L	174161	3	11.30	405025	25.0
Naphthalene, 2,6-...	15.72	42.0	ug/L	681211	3	11.30	405025	25.0
Naphthalene, 2,3-...	15.86	32.0	ug/L	518058	3	11.30	405025	25.0
Biphenylene	16.32	7.2	ug/L	116488	3	11.30	405025	25.0