LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

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\SOM2VLM050719S.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	1.315	65	70	85	rVB	34712	33392	0.30%	0.066%
2	1.544	136	141	144	rBV	16635	16482	0.15%	0.033%
3	2.122	311	321	332	rBV	61836	87385	0.80%	0.174%
4	2.360	392	395	396	rBV	413	272	0.00%	0.001%
5	2.531	441	448	457	rBV2	3589	5295	0.05%	0.011%
6	2.685	493	496	499	rBV	271	217	0.00%	0.000%
7	2.762	517	520	522	rBV	229	151	0.00%	0.000%
8	2.785	525	527	530	rBV2	177	142	0.00%	0.000%
9	2.907	559	565	568	rBV2	281	391	0.00%	0.001%
10	3.068	609	615	624	rVB3	1801	2935	0.03%	0.006%
11	3.122	629	632	634	rBV2	195	171	0.00%	0.000%
12	3.380	709	712	719	rBV2	280	323	0.00%	0.001%
13	3.421	721	725	727	rBV2	220	189	0.00%	0.000%
14	3.466	736	739	742	rBV	259	213	0.00%	0.000%
15	3.724	815	819	824	rBV2	239	324	0.00%	0.001%
16	3.939	875	886	910	rVV2	9051	23263	0.21%	0.046%
17	4.097	933	935	941	rBV2	328	367	0.00%	0.001%
18	4.138	946	948	952	rVB2	243	135	0.00%	0.000%
19	4.280	989	992	995	rBV2	322	279	0.00%	0.001%
20	4.399	1012	1029	1050	rBV	49545	122687	1.12%	0.244%
21	4.521	1062	1067	1072	rBV2	546	562	0.01%	0.001%
22	4.643	1102	1105	1111	rVB2	312	358	0.00%	0.001%
23	4.678	1111	1116	1117	rBV	265	174	0.00%	0.000%
24	4.736	1132	1134	1138	rVB	292	200	0.00%	0.000%
25	4.759	1138	1141	1143	rBV2	189	142	0.00%	0.000%
26	4.807	1152	1156	1159	rBV2	234	198	0.00%	0.000%
27	4.868	1172	1175	1177	rBV2	236	146	0.00%	0.000%
28	4.958	1197	1203	1206	rBV	252	304	0.00%	0.001%
29	5.003	1213	1217	1222	rBV2	281	334	0.00%	0.001%
30	5.093	1228	1245	1267	rBV3	114820	285087	2.60%	0.567%
31	5.354	1323	1326	1331	rVB2	262	202	0.00%	0.000%
32	5.383	1331	1335	1337	rBV2	305	224	0.00%	0.000%
33	5.441	1348	1353	1357	rBV2	251	245	0.00%	0.000%
34	5.473	1357	1363	1368	rVV	229	283	0.00%	0.001%

LSC Area Percent Report

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Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

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\SOM2VLM050719S.M
Title : VOC Analysis

35	5.547	1382	1386	1388	rBV2	199	154	0.00%	0.000%
36	5.601	1400	1403	1405	rBV	340	182	0.00%	0.000%
37	5.662	1409	1422	1438	rBV2	106629	210448	1.92%	0.419%
38	5.936	1503	1507	1508	rBV2	986	724	0.01%	0.001%
39	6.026	1533	1535	1539	rVB2	405	272	0.00%	0.001%
40	6.116	1550	1563	1582	rBV	70611	141592	1.29%	0.282%
41	6.225	1595	1597	1601	rBV3	497	356	0.00%	0.001%
42	6.305	1619	1622	1625	rVB	250	164	0.00%	0.000%
43	6.514	1683	1687	1690	rBV2	267	206	0.00%	0.000%
44	6.556	1696	1700	1704	rBV2	251	242	0.00%	0.000%
45	6.698	1741	1744	1746	rBV	210	153	0.00%	0.000%
46	6.813	1773	1780	1789	rVB2	314	474	0.00%	0.001%
47	6.871	1796	1798	1802	rVB2	255	188	0.00%	0.000%
48	6.903	1802	1808	1810	rBV2	181	165	0.00%	0.000%
49	6.923	1810	1814	1819	rBV2	262	313	0.00%	0.001%
50	7.029	1836	1847	1873	rBV2	34055	62019	0.57%	0.123%
51	7.203	1896	1901	1903	rBV2	243	270	0.00%	0.001%
52	7.267	1918	1921	1922	rBV	344	158	0.00%	0.000%
53	7.360	1938	1950	1967	rBV	106011	192586	1.76%	0.383%
54	7.556	2008	2011	2015	rVB2	394	225	0.00%	0.000%
55	7.604	2022	2026	2034	rVB2	266	376	0.00%	0.001%
56	7.662	2034	2044	2061	rBV2	22142	37192	0.34%	0.074%
57	7.932	2123	2128	2131	rBV2	249	232	0.00%	0.000%
58	7.977	2139	2142	2143	rBV2	345	177	0.00%	0.000%
59	8.016	2149	2154	2164	rVB6	2434	3395	0.03%	0.007%
60	8.132	2181	2190	2207	rBV	36528	64424	0.59%	0.128%
61	8.424	2276	2281	2284	rBV2	289	237	0.00%	0.000%
62	8.447	2284	2288	2294	rVV2	187	240	0.00%	0.000%
63	8.537	2312	2316	2319	rBV2	186	205	0.00%	0.000%
64	8.842	2406	2411	2414	rBV2	314	382	0.00%	0.001%
65	8.897	2416	2428	2459	rVV	155474	273175	2.49%	0.544%
66	9.180	2513	2516	2521	rVB2	375	292	0.00%	0.001%
67	9.334	2560	2564	2567	rBV2	263	232	0.00%	0.000%
68	9.392	2578	2582	2586	rBV2	233	251	0.00%	0.000%
69	9.428	2589	2593	2594	rBV	307	192	0.00%	0.000%
70	9.604	2639	2648	2649	rBV7	1860	1772	0.02%	0.004%
71	9.781	2700	2703	2706	rBV	235	175	0.00%	0.000%

LSC Area Percent Report

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Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

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\SOM2VLM050719S.M
Title : VOC Analysis

72	9.842	2718	2722	2724	rBV2	252	233	0.00%	0.000%
73	10.161	2817	2821	2826	rBV2	314	297	0.00%	0.001%
74	10.260	2842	2852	2870	rVB	58879	92991	0.85%	0.185%
75	10.421	2896	2902	2904	rBV2	906	957	0.01%	0.002%
76	10.585	2944	2953	2963	rVB	12959	18586	0.17%	0.037%
77	10.784	3006	3015	3023	rVB2	4759	7332	0.07%	0.015%
78	10.961	3061	3070	3077	rBV2	4371	6268	0.06%	0.012%
79	11.032	3083	3092	3103	rBV2	12565	18499	0.17%	0.037%
80	11.138	3118	3125	3133	rVB6	1776	2608	0.02%	0.005%
81	11.238	3149	3156	3163	rBV2	5263	7496	0.07%	0.015%
82	11.296	3164	3174	3191	rVV2	142336	238476	2.18%	0.475%
83	11.382	3192	3201	3213	rVB	84760	128651	1.17%	0.256%
84	11.505	3233	3239	3245	rVB5	1996	2267	0.02%	0.005%
85	11.591	3252	3266	3270	rBV4	25012	42897	0.39%	0.085%
86	11.688	3283	3296	3306	rVV	254027	411228	3.75%	0.818%
87	11.746	3307	3314	3321	rVB3	20808	28981	0.26%	0.058%
88	11.984	3370	3388	3397	rBV3	202155	479930	4.38%	0.955%
89	12.241	3459	3468	3478	rVB	1868935	2652448	24.21%	5.278%
90	12.460	3527	3536	3544	rBV	565167	814872	7.44%	1.622%
91	12.514	3545	3553	3563	rVB	968196	1402762	12.80%	2.791%
92	12.636	3584	3591	3604	rBV3	419304	671920	6.13%	1.337%
93	12.929	3675	3682	3693	rVB2	1676068	2436499	22.24%	4.849%
94	13.103	3726	3736	3752	rVB2	3030932	5007378	45.71%	9.964%
95	13.183	3754	3761	3768	rBV	543232	756543	6.91%	1.505%
96	14.871	4276	4286	4303	rVB	6900752	10955079	100.00%	21.800%
97	15.720	4539	4550	4565	rBV	5858278	9957447	90.89%	19.815%
98	15.871	4586	4597	4603	rBV	6007574	9595550	87.59%	19.095%
99	16.064	4650	4657	4661	rBV	862317	1266380	11.56%	2.520%
100	16.328	4732	4739	4755	rVB2	872688	1670712	15.25%	3.325%

Sum of corrected areas: 50252199

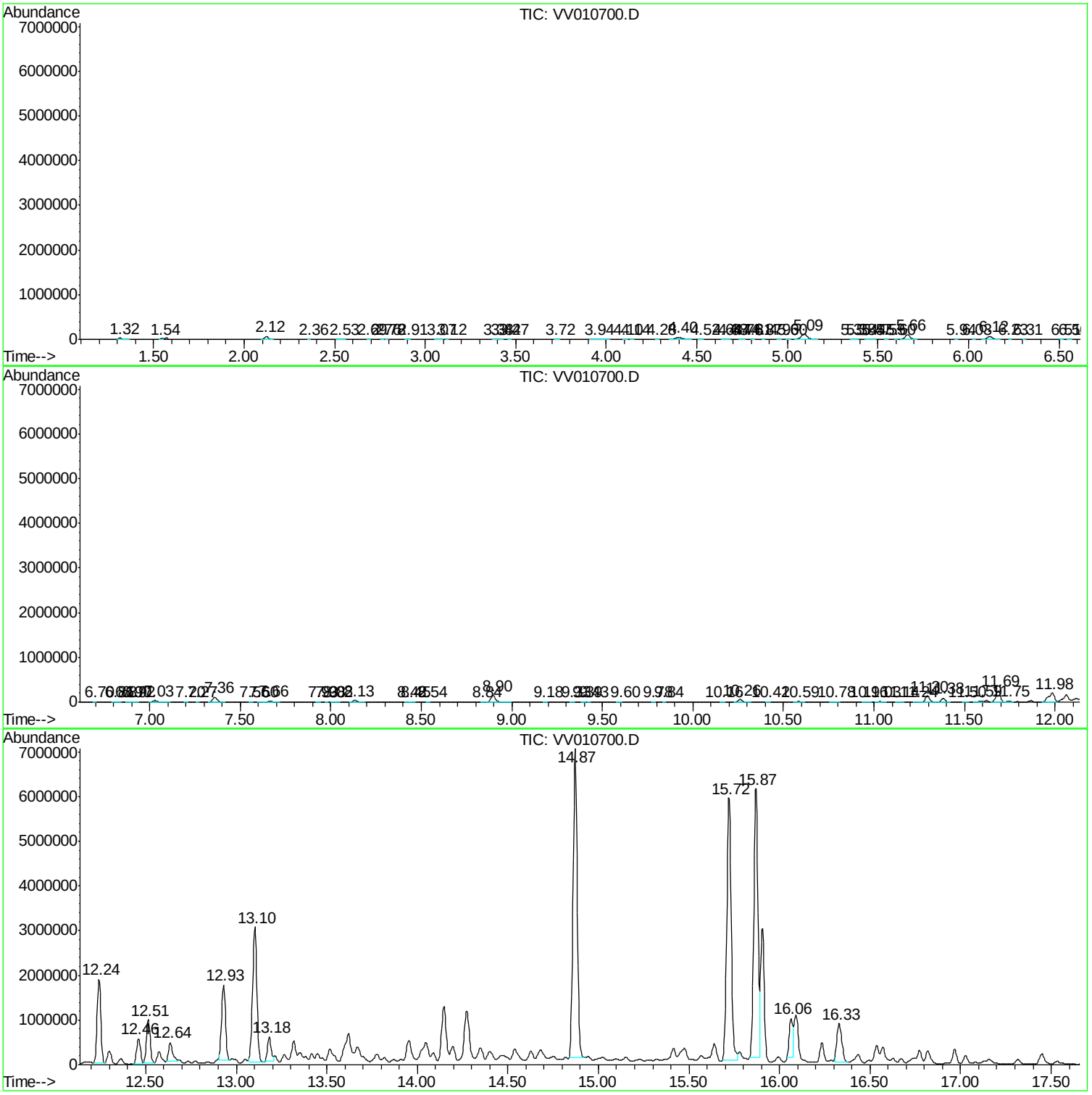
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.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\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
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Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

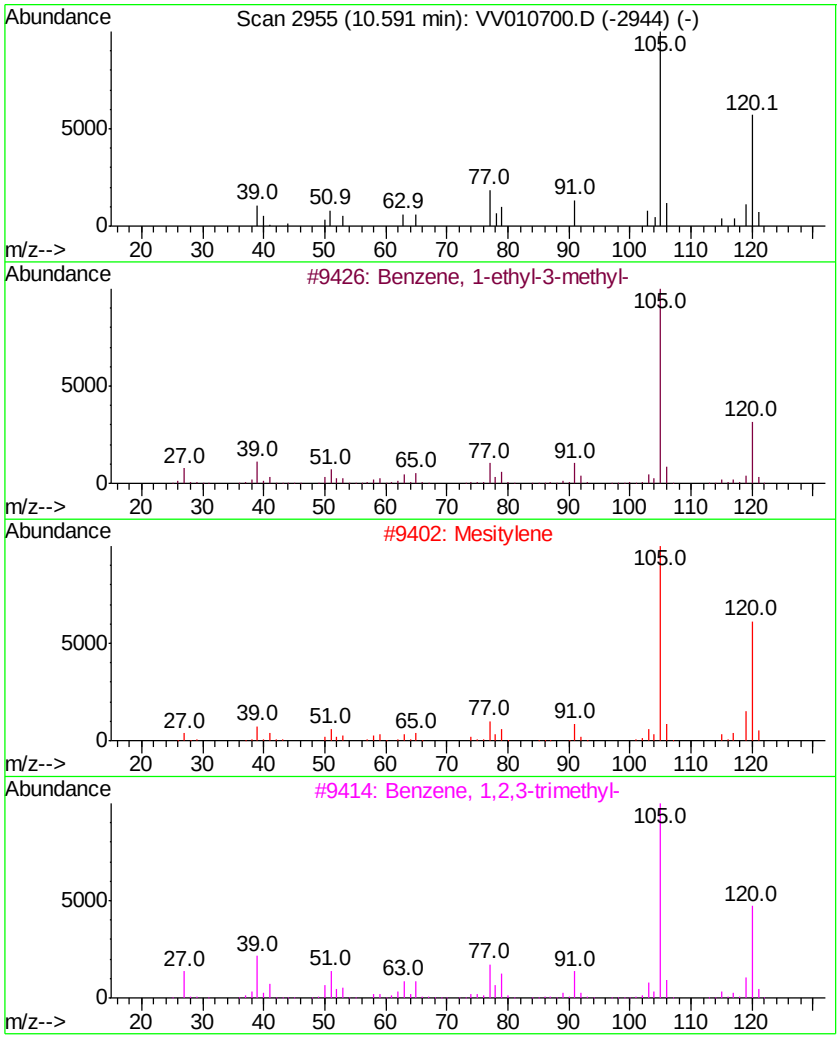
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

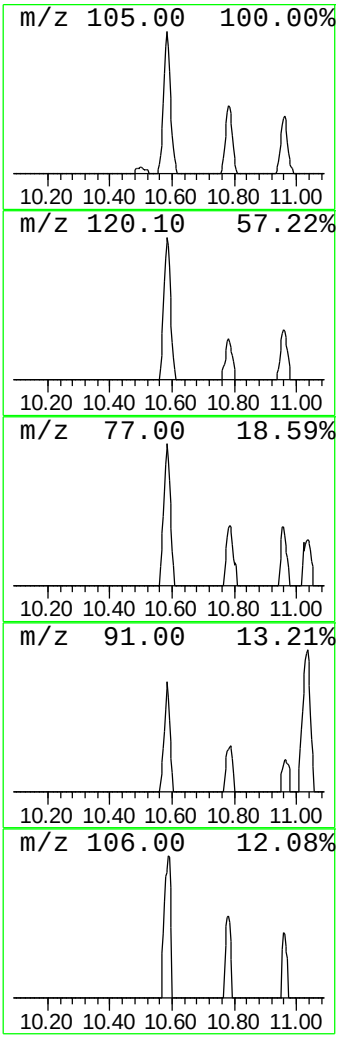
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	1.95 ug/L	18586	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

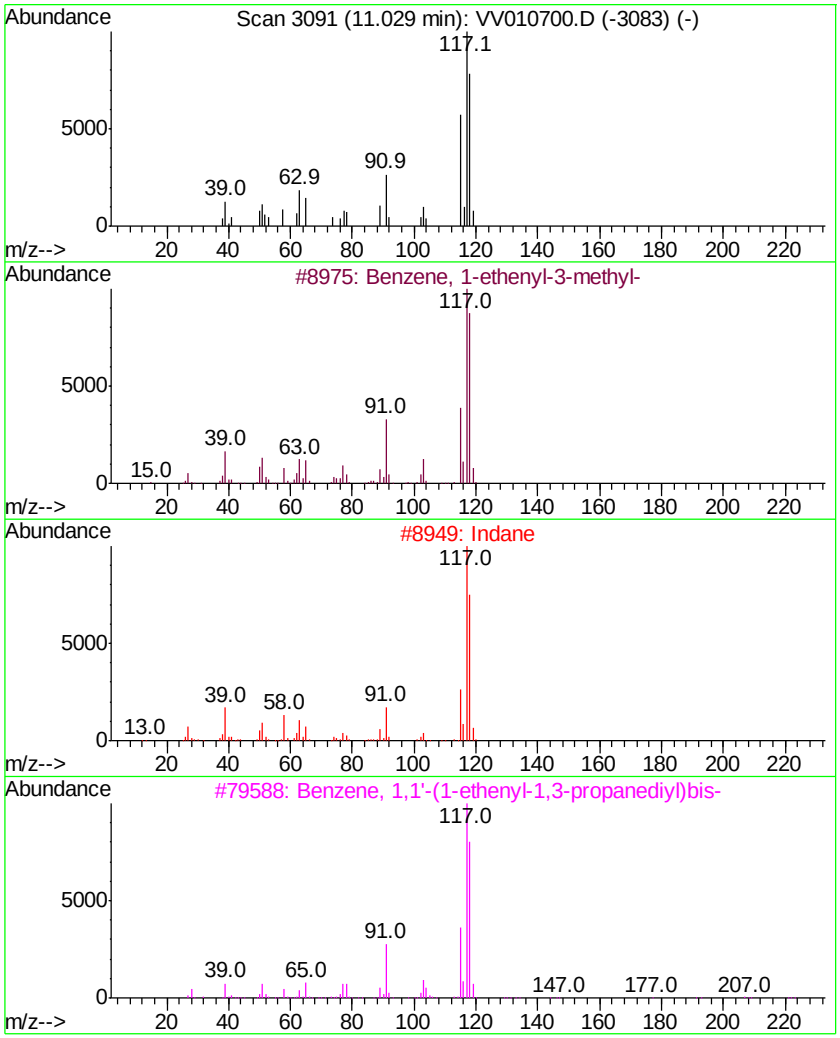
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

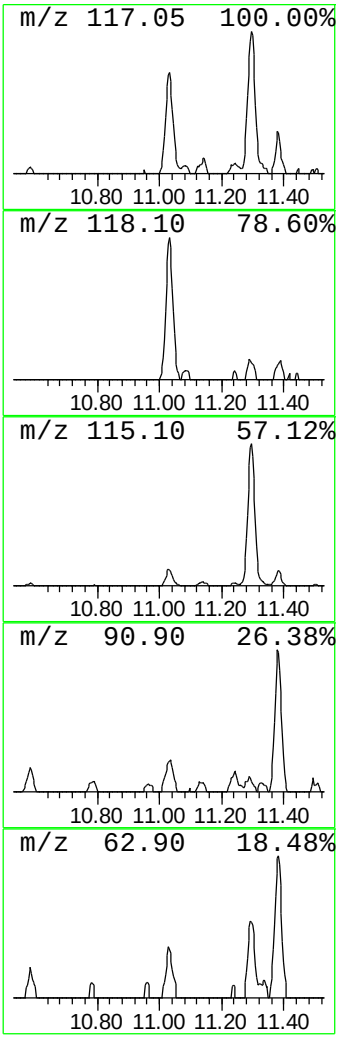
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	1.94 ug/L	18499	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	94
2	Indane	118	C9H10	000496-11-7	90
3	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
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Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

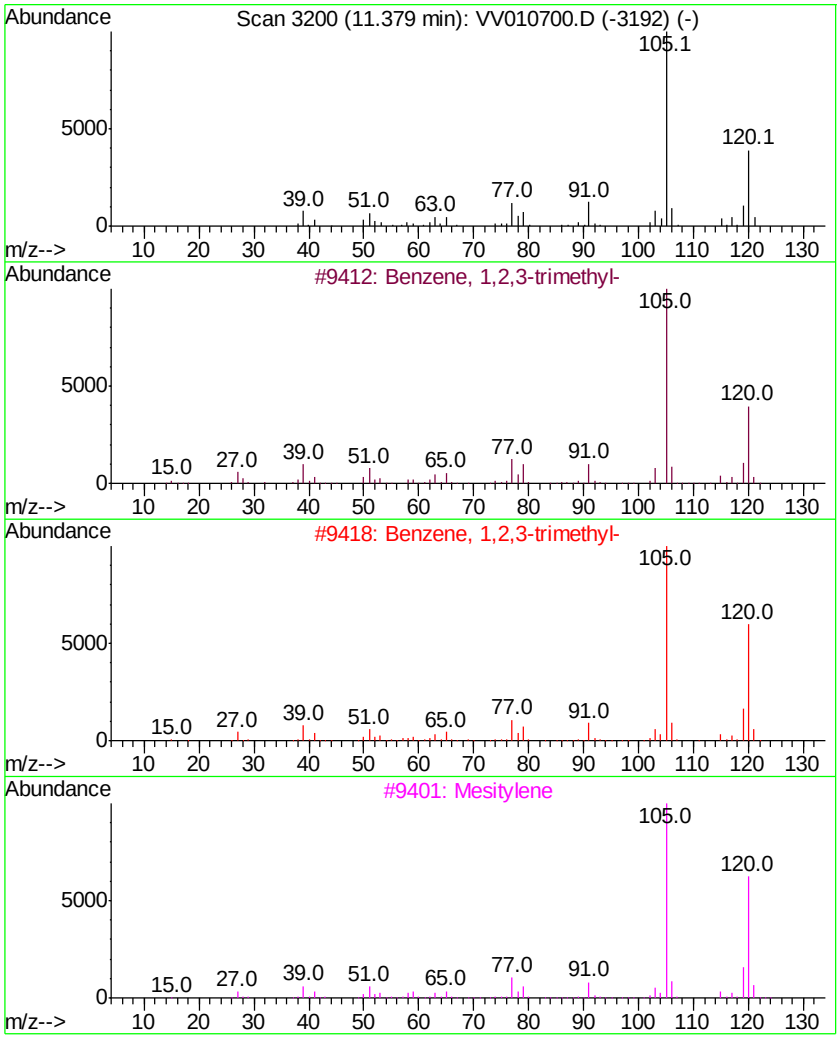
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

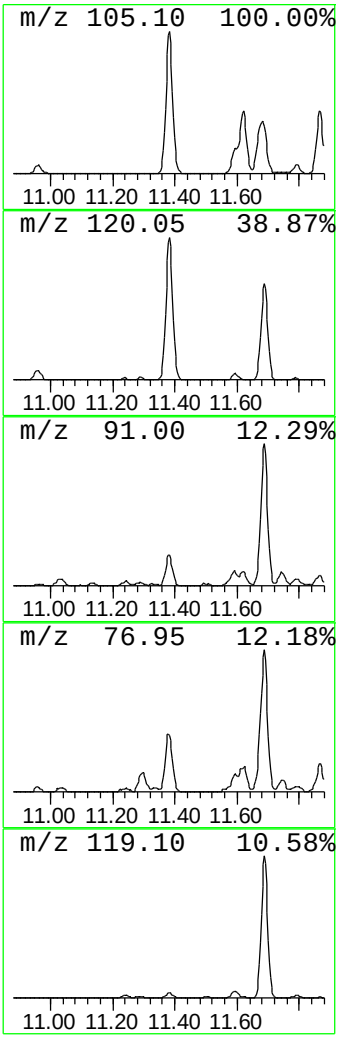
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	13.49 ug/L	128651	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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Mesitylene	120	C9H12	000108-67-8	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\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

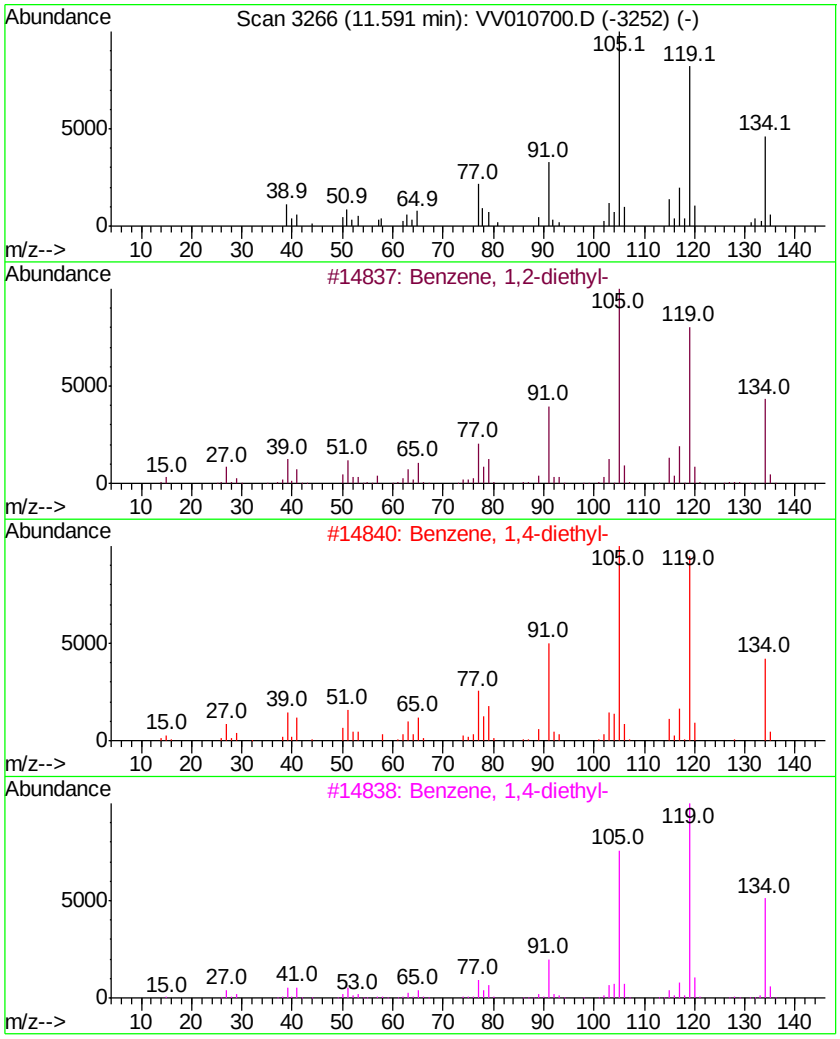
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

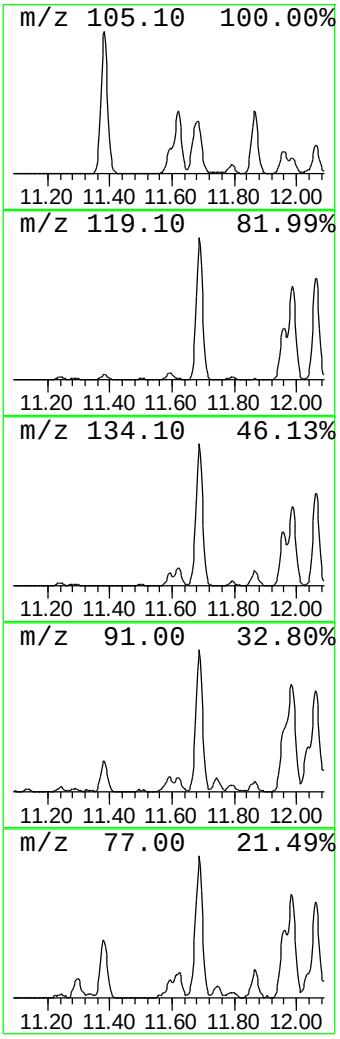
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	4.50 ug/L	42897	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87





Library Search Compound Report

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Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

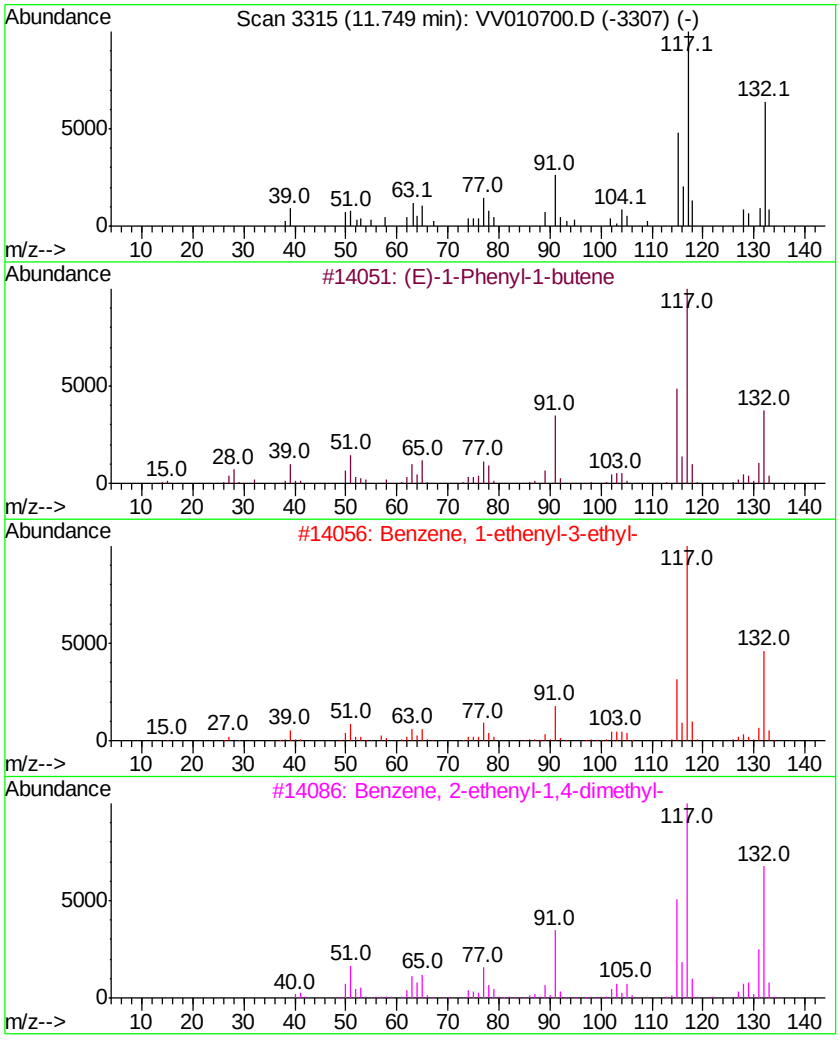
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

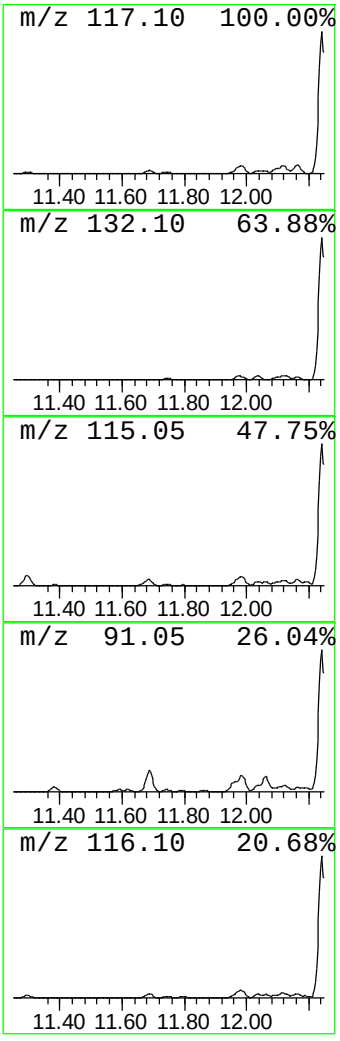
****

Peak Number 6 (E)-1-Phenyl-1-butene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.04 ug/L	28981	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	96
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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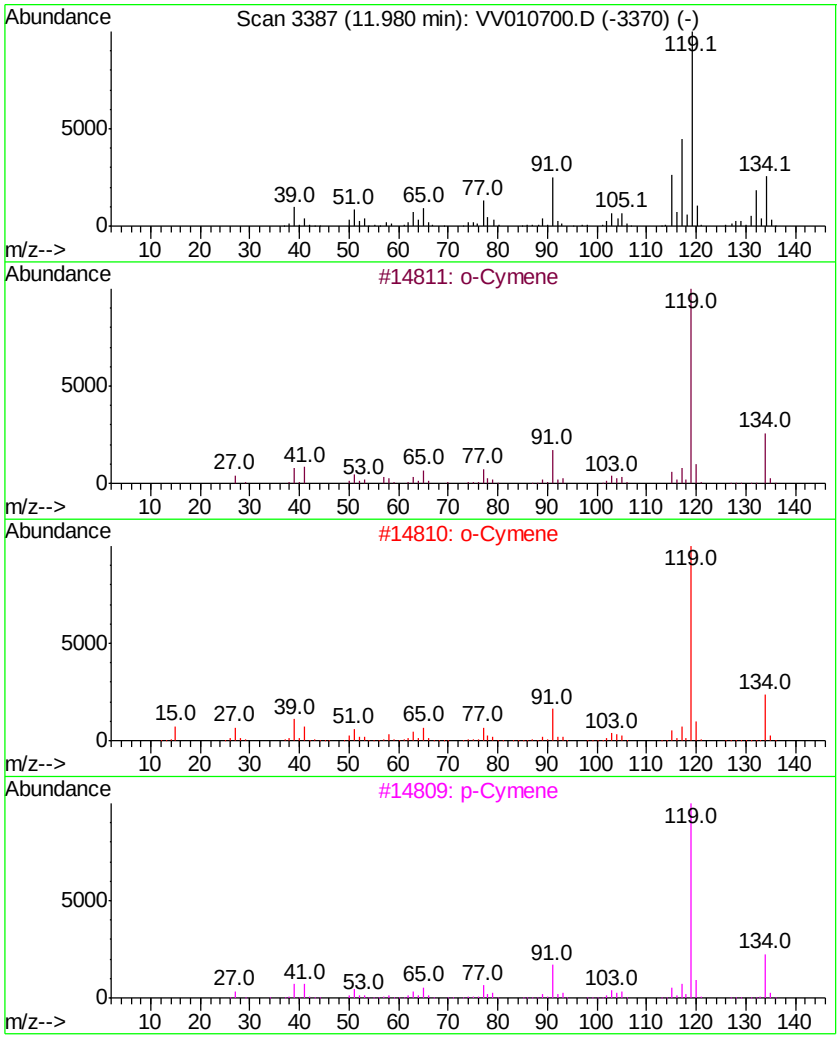
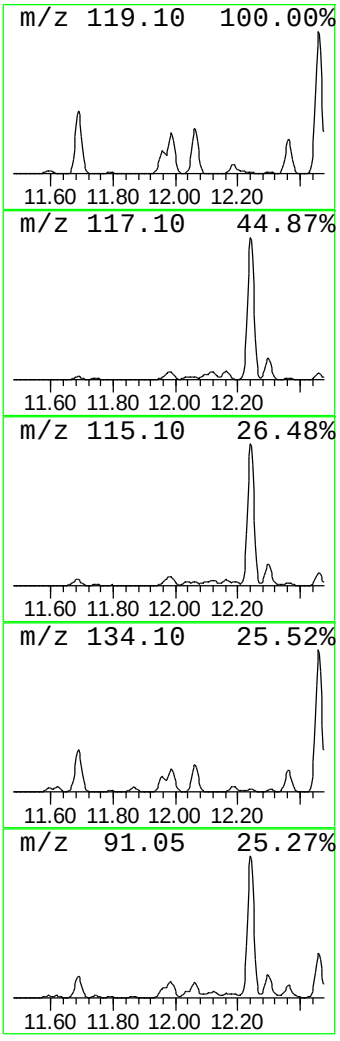
Peak Number 7 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	50.31 ug/L	479930	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60





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Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

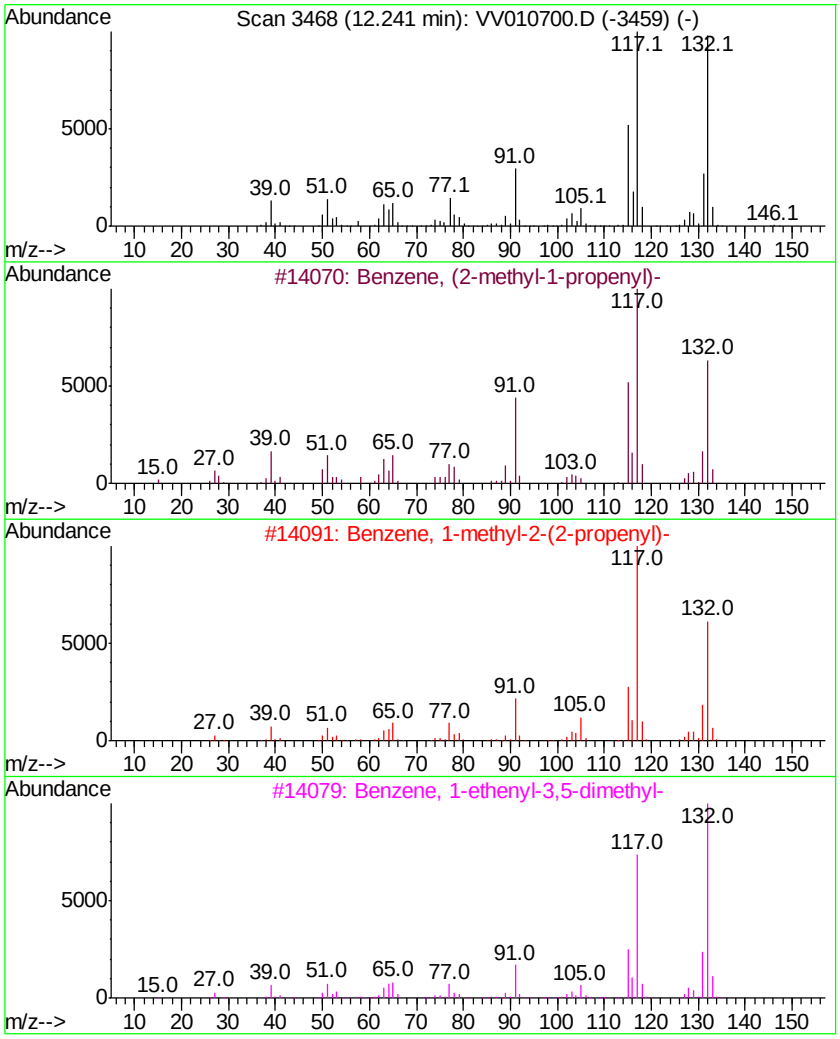
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

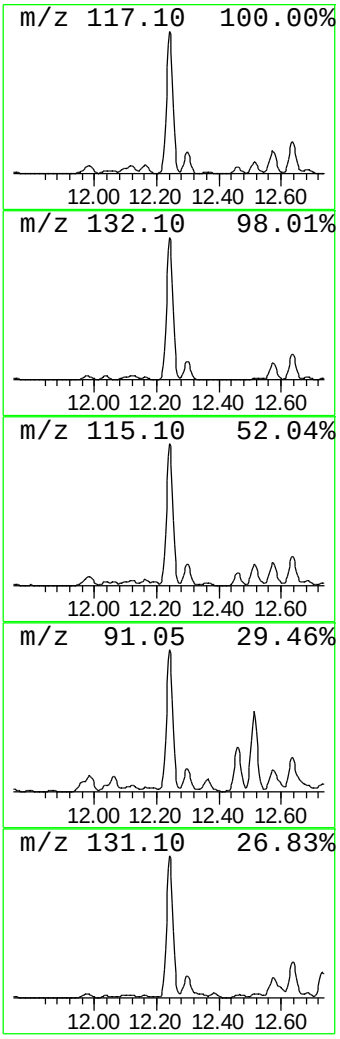
****

Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	278.06 ug/L	2652450	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	o-Isopropenyltoluene	132	C10H12	007399-49-7	94





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Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

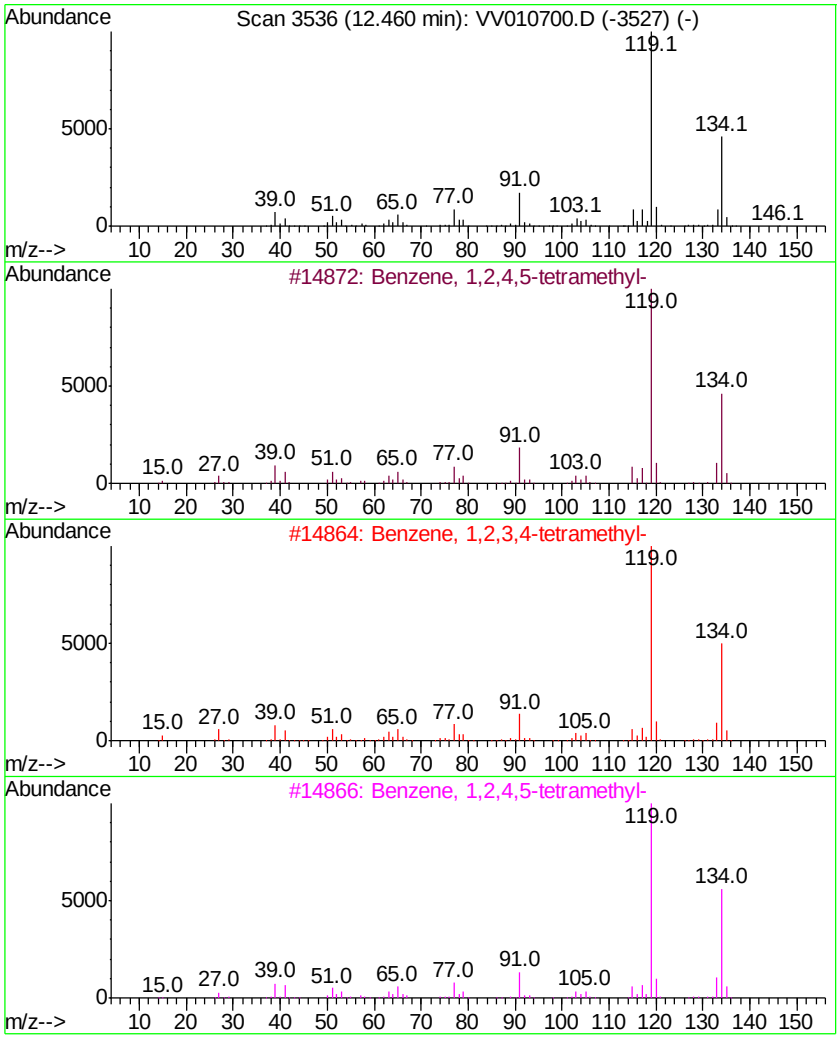
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

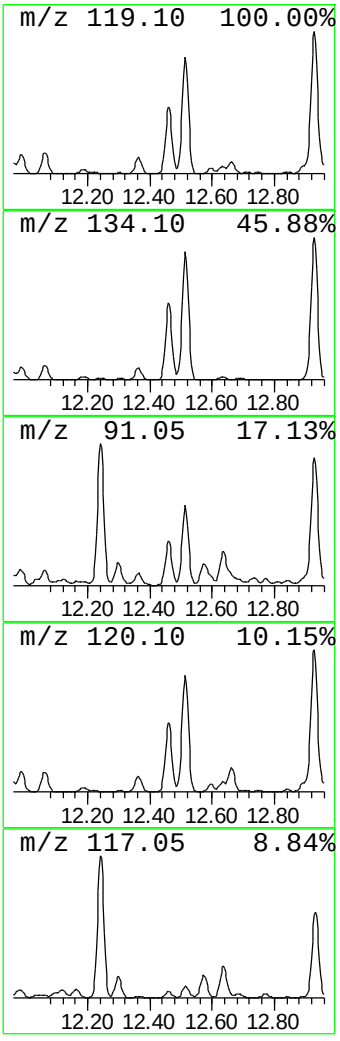
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	85.42 ug/L	814872	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	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





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Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

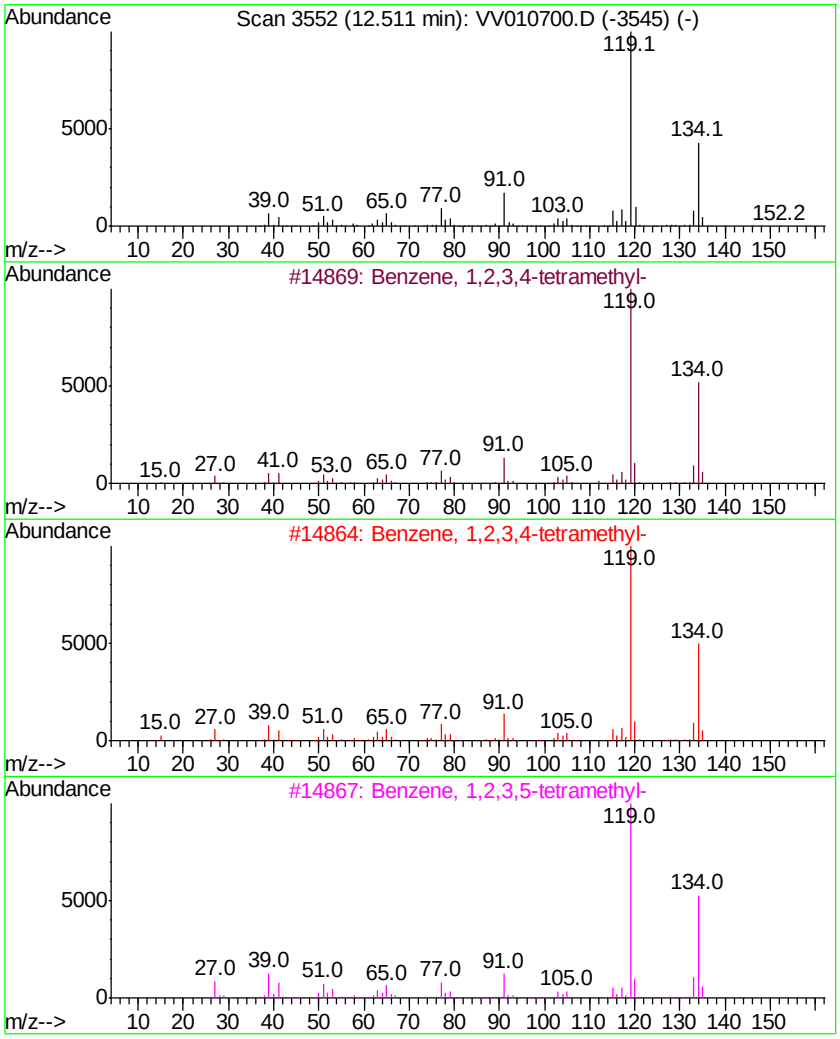
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

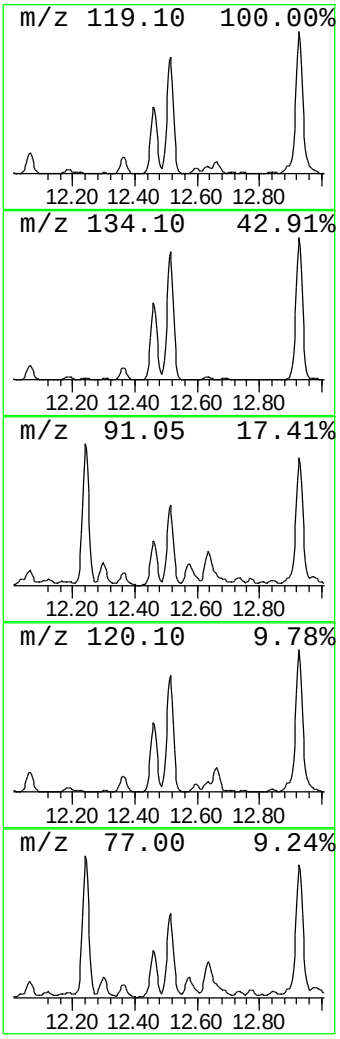
****

Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	147.06 ug/L	1402760	1,4-Dichlorobenzene-d4	11.30

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





Library Search Compound Report

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Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

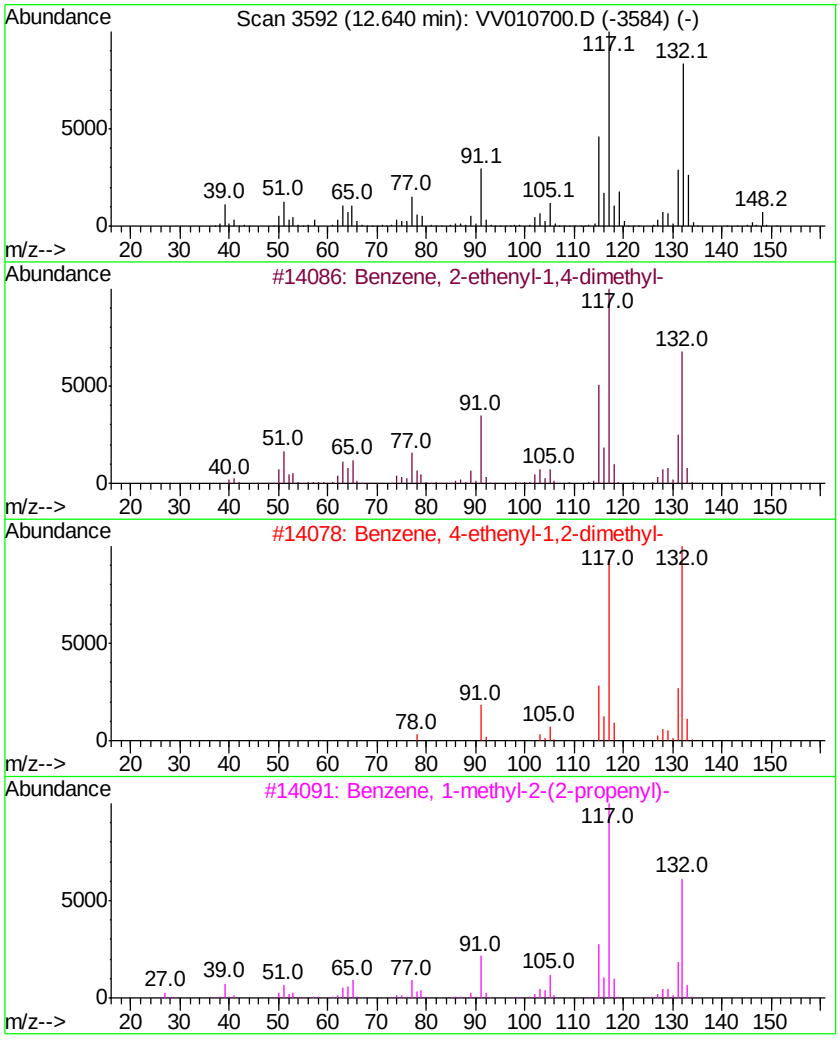
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

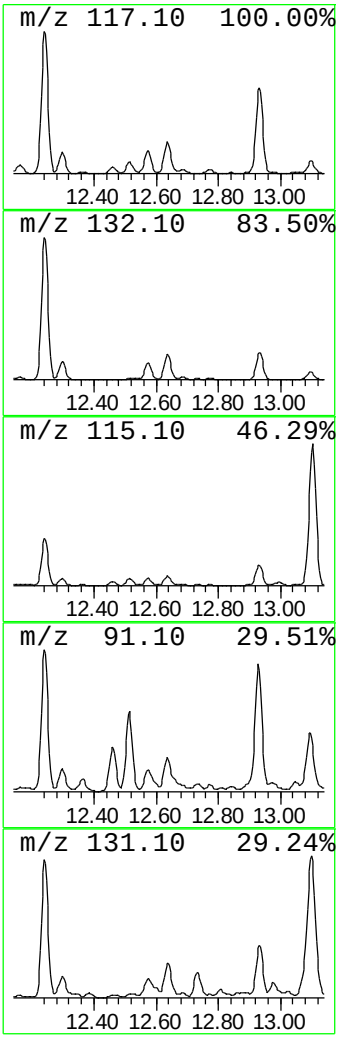
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	70.44 ug/L	671920	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	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93





Library Search Compound Report

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Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

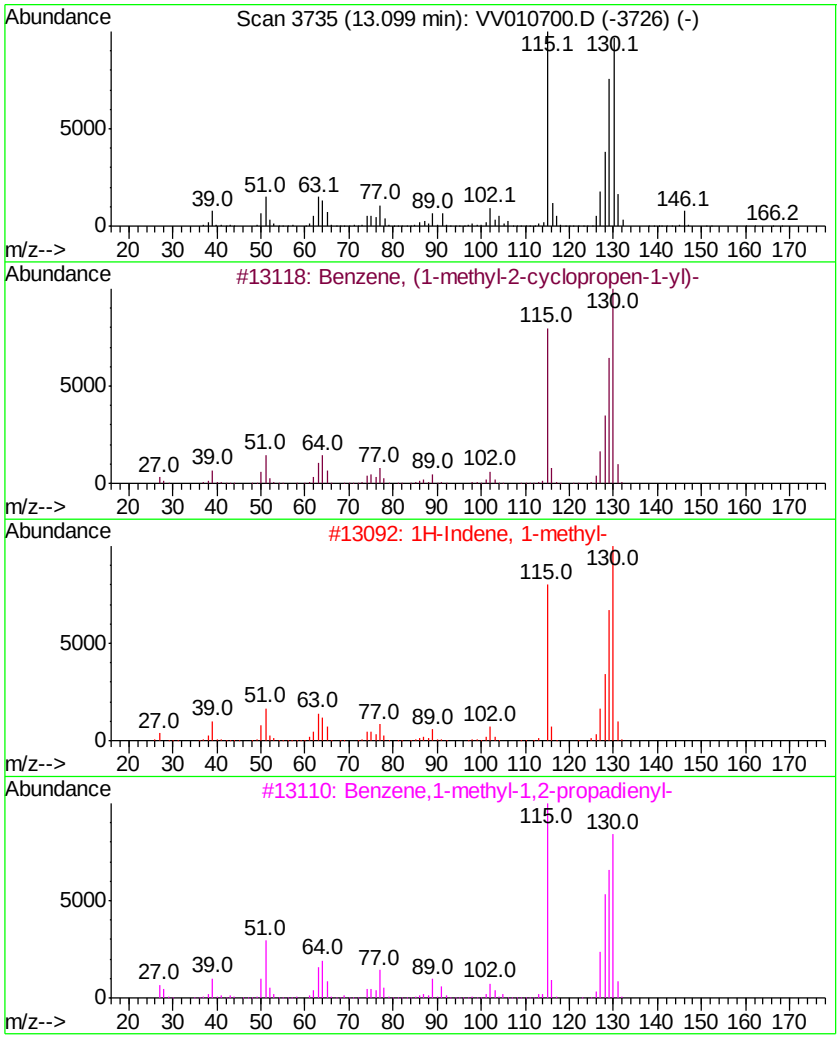
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

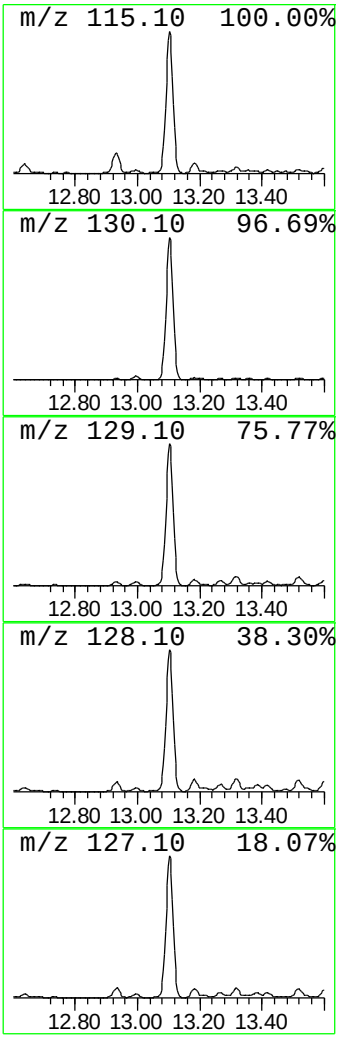
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, (1-methyl-2-cyclop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	524.94 ug/L	5007380	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
4	2-Methylindene	130	C10H10	002177-47-1	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





Library Search Compound Report

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Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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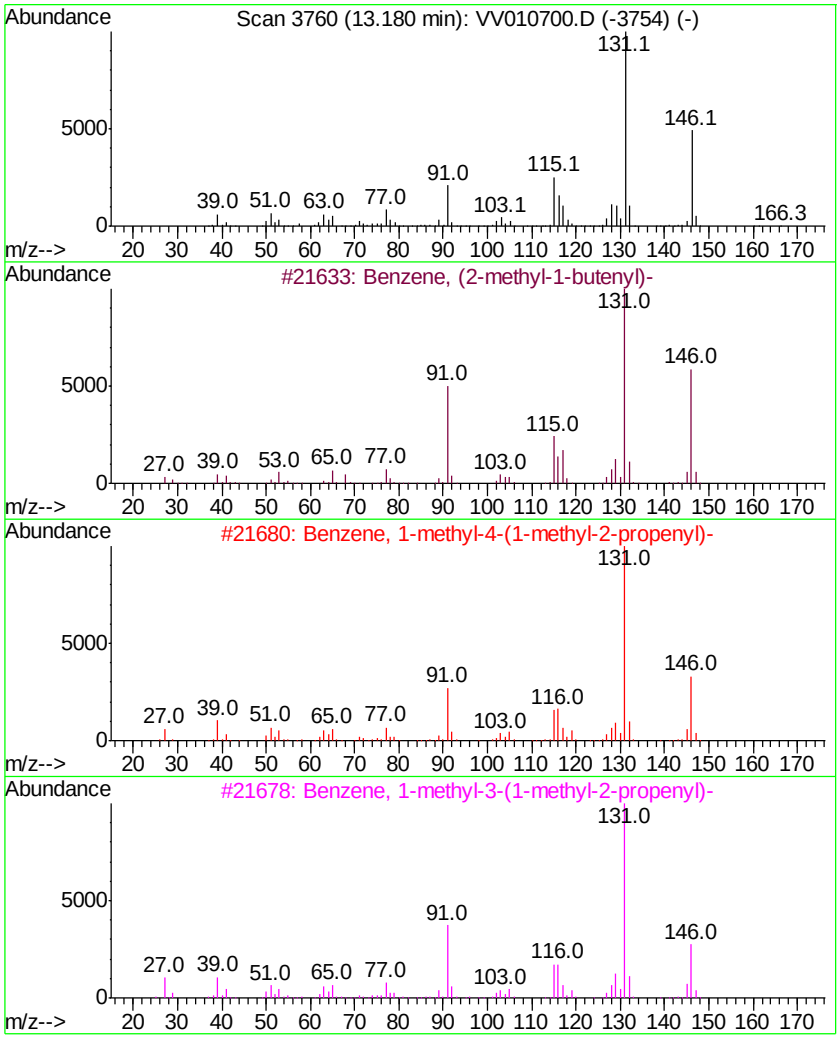
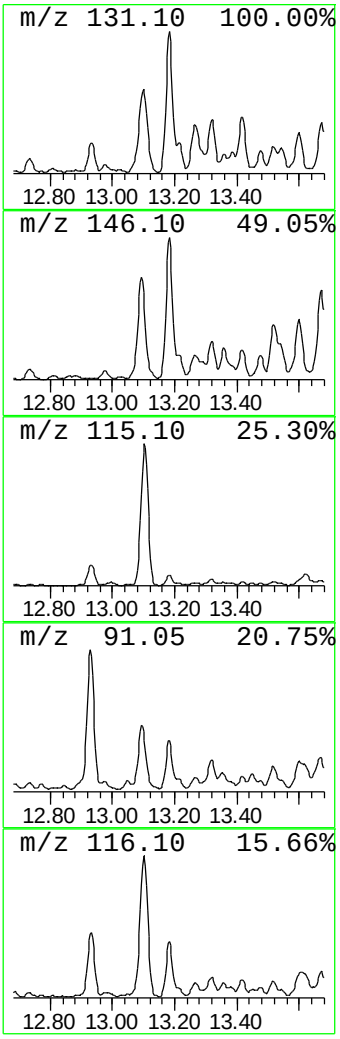
Peak Number 14 Benzene, (2-methyl-1-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	79.31 ug/L	756543	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
3	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





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Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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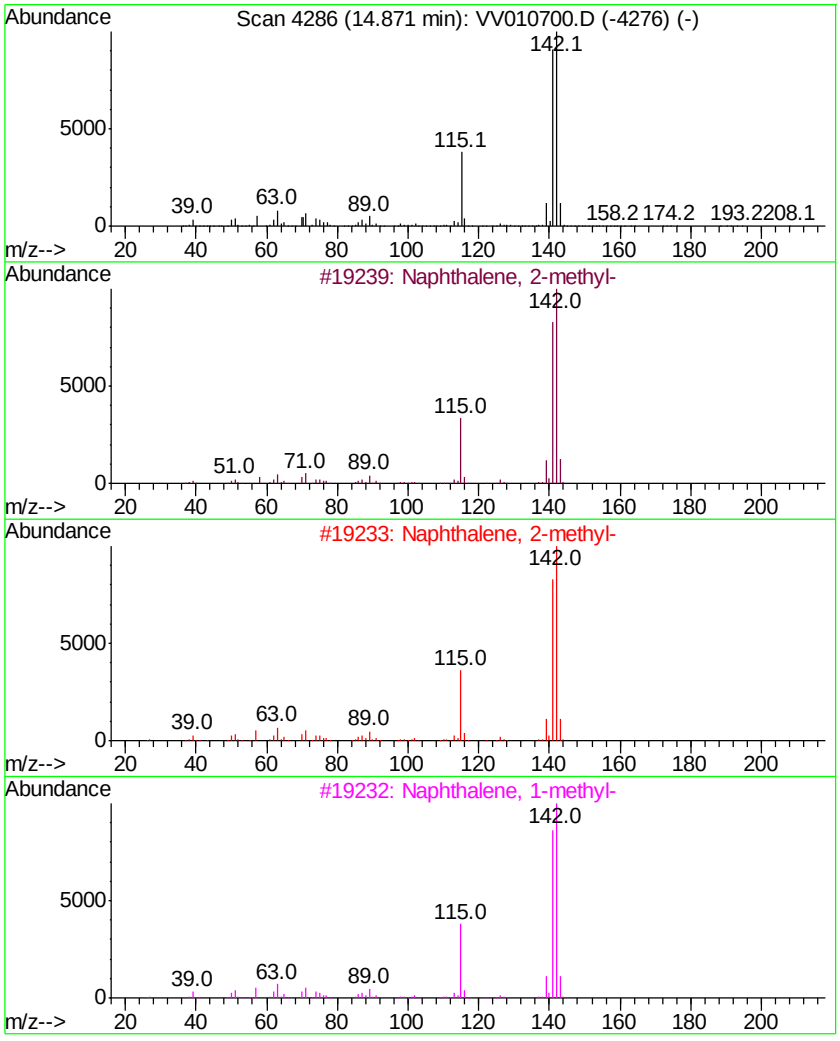
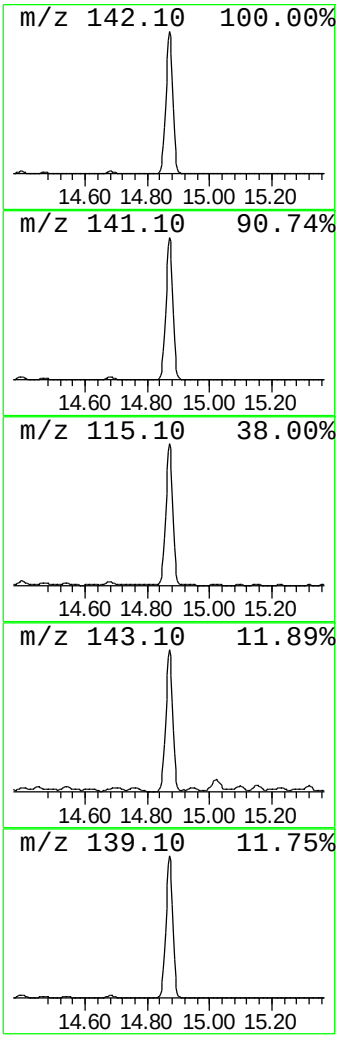
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	1148.45 ug/L	10955100	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, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





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Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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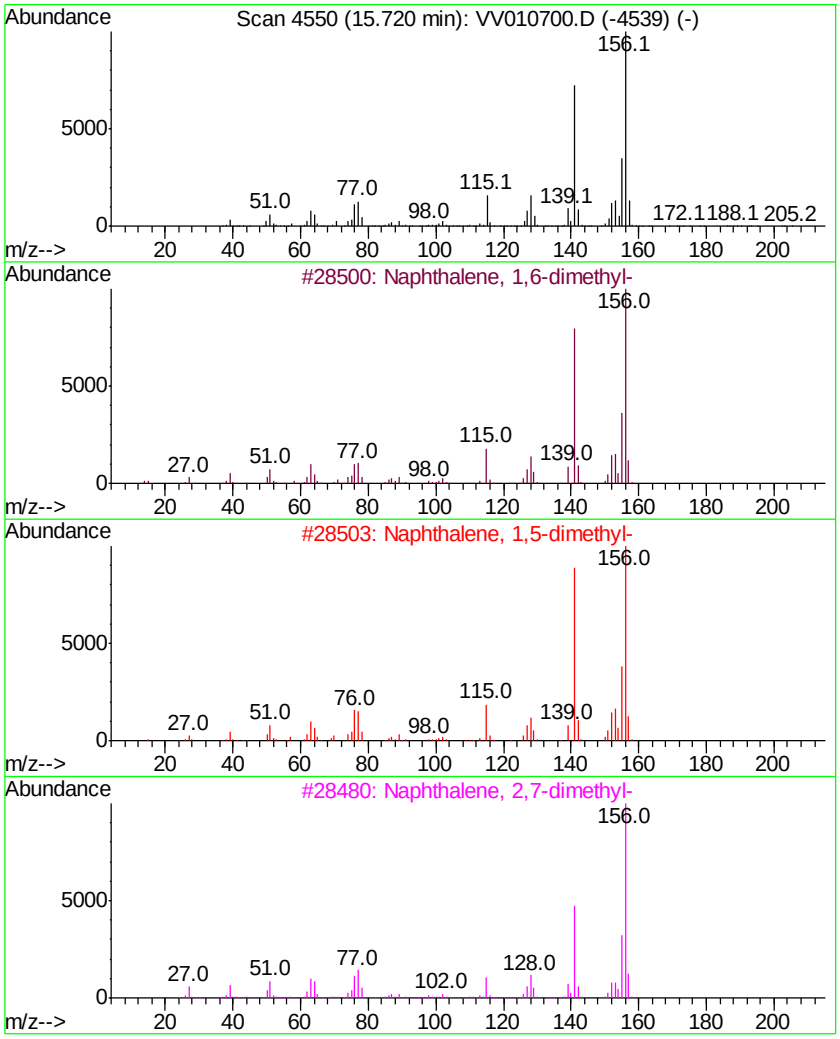
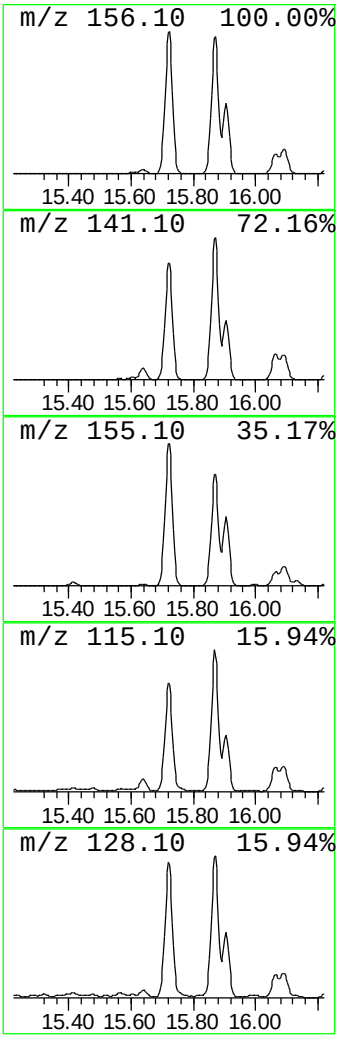
Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	1043.86 ug/L	9957450	1,4-Dichlorobenzene-d4	11.30

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





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Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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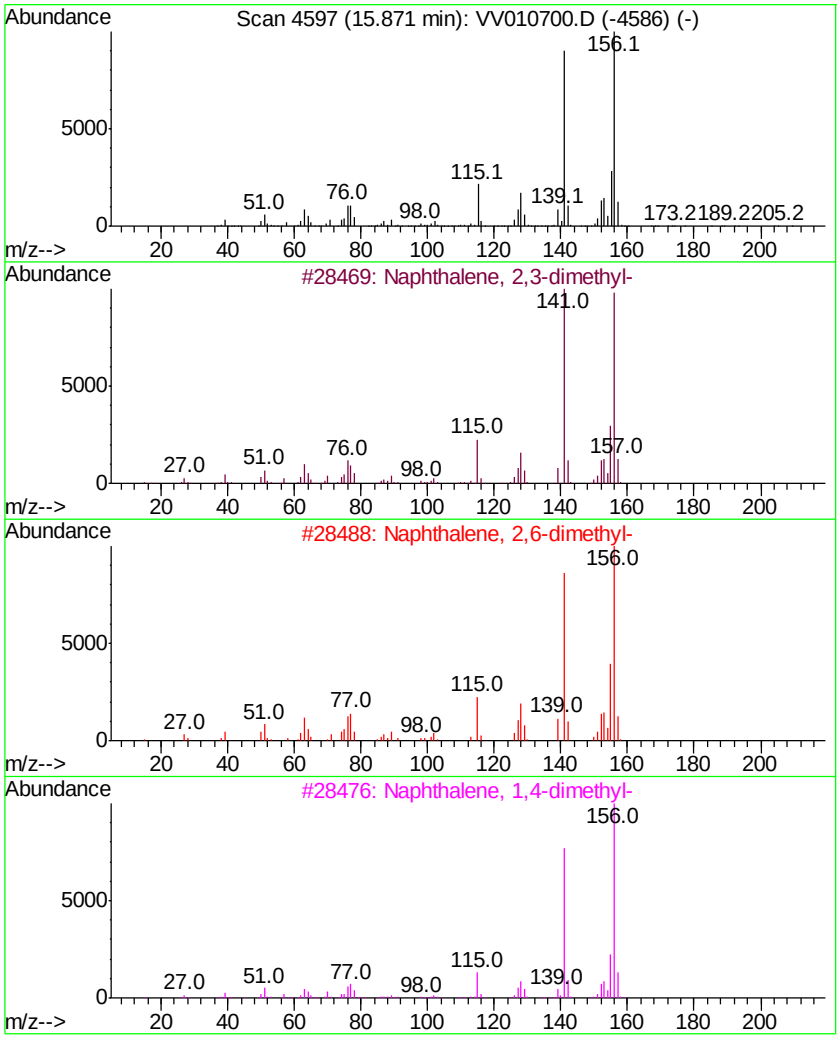
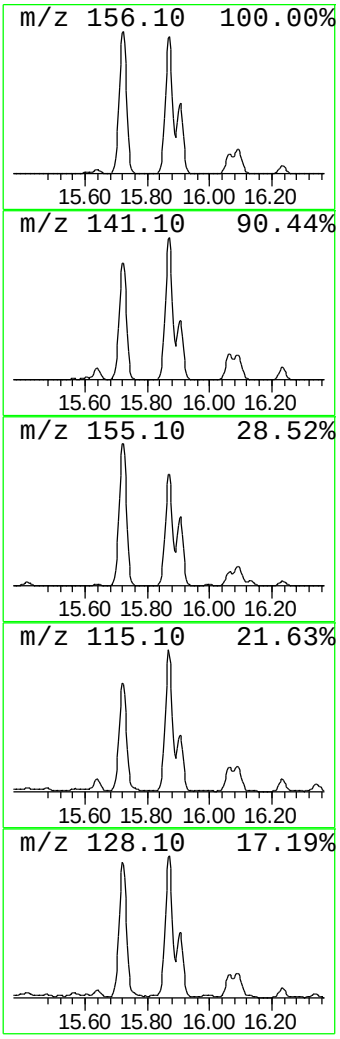
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	1005.92 ug/L	9595550	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	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Data File : VV010700.D
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Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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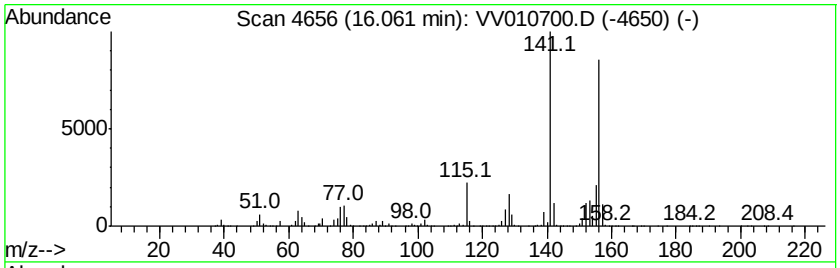
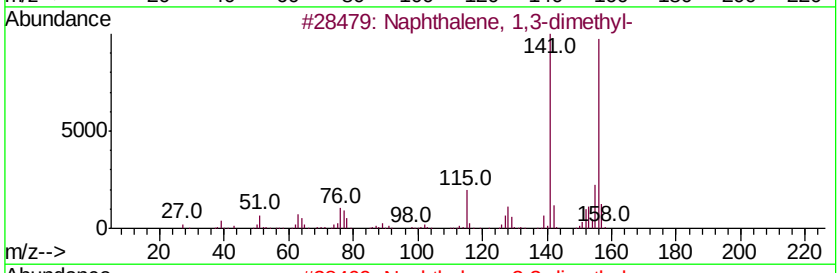
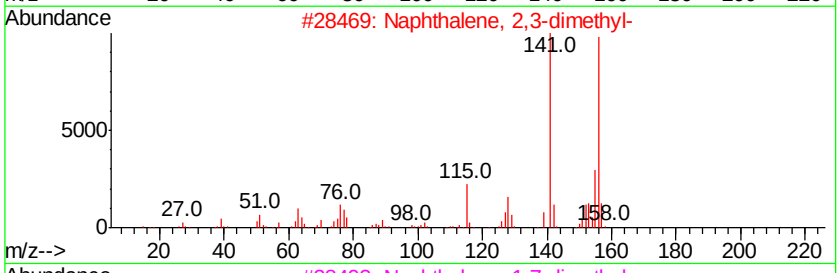
Peak Number 18 Naphthalene, 1,3-dimethyl- Concentration Rank 9

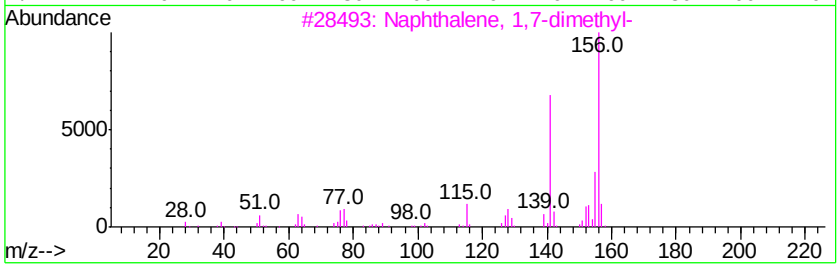
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	132.76 ug/L	1266380	1,4-Dichlorobenzene-d4	11.30

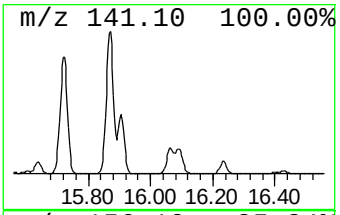
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97

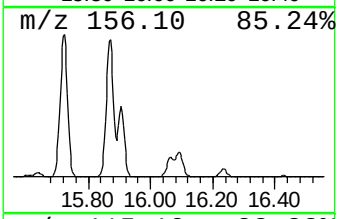


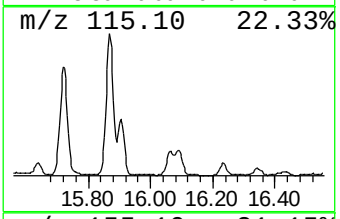


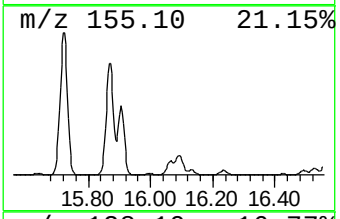


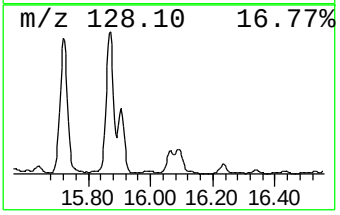












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

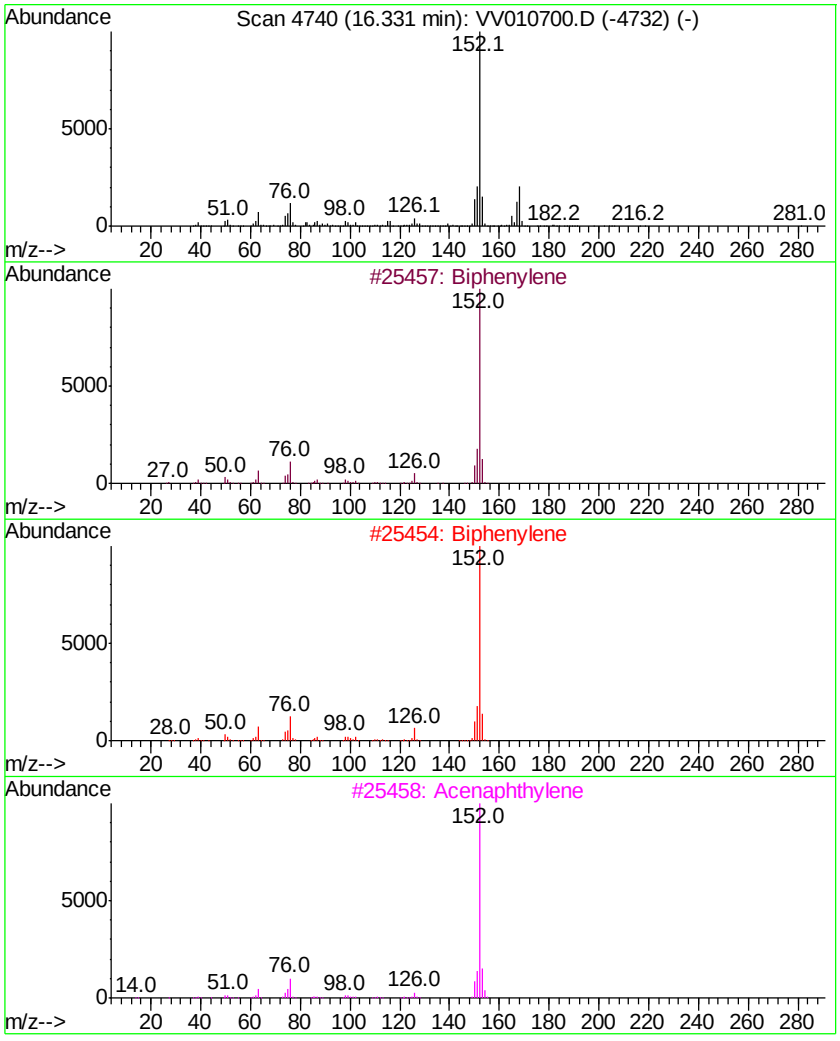
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

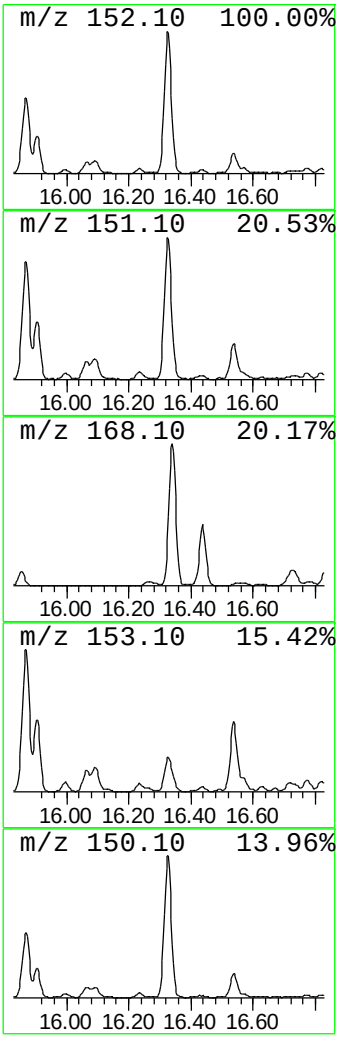
****

Peak Number 19 Biphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	175.15 ug/L	1670710	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	93
2	Biphenylene	152	C12H8	000259-79-0	90
3	Acenaphthylene	152	C12H8	000208-96-8	81
4	Acenaphthylene	152	C12H8	000208-96-8	76
5	Acenaphthylene	152	C12H8	000208-96-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010700.D
Acq On : 07 May 2019 19:21
Operator : SY/MD
Sample : K2633-08
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.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-ethyl-...	10.59	2.0	ug/L	18586	3	11.30	238476	25.0
Benzene, 1-etheny...	11.03	1.9	ug/L	18499	3	11.30	238476	25.0
Benzene, 1,2,3-tr...	11.38	13.5	ug/L	128651	3	11.30	238476	25.0
Benzene, 1,2-diet...	11.59	4.5	ug/L	42897	3	11.30	238476	25.0
(E)-1-Phenyl-1-bu...	11.75	3.0	ug/L	28981	3	11.30	238476	25.0
o-Cymene	11.98	50.3	ug/L	479930	3	11.30	238476	25.0
Benzene, (2-methy...	12.24	278.1	ug/L	2652450	3	11.30	238476	25.0
Benzene, 1,2,4,5-...	12.46	85.4	ug/L	814872	3	11.30	238476	25.0
Benzene, 1,2,3,4-...	12.51	147.1	ug/L	1402760	3	11.30	238476	25.0
Benzene, 2-etheny...	12.64	70.4	ug/L	671920	3	11.30	238476	25.0
Benzene, (1-methy...	13.10	524.9	ug/L	5007380	3	11.30	238476	25.0
Benzene, (2-methy...	13.18	79.3	ug/L	756543	3	11.30	238476	25.0
Naphthalene, 1-me...	14.87	1148.5	ug/L	10955100	3	11.30	238476	25.0
Naphthalene, 1,6-...	15.72	1043.9	ug/L	9957450	3	11.30	238476	25.0
Naphthalene, 2,3-...	15.87	1005.9	ug/L	9595550	3	11.30	238476	25.0
Naphthalene, 1,3-...	16.06	132.8	ug/L	1266380	3	11.30	238476	25.0
Biphenylene	16.33	175.2	ug/L	1670710	3	11.30	238476	25.0