LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

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\SOMVLM020120WMA.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	1.322	66	72	85	rVB	161659	160097	0.58%	0.211%
2	1.582	146	153	167	rVB	106051	126721	0.46%	0.167%
3	2.132	314	324	337	rBV	215834	311745	1.14%	0.411%
4	2.447	419	422	423	rBV2	537	340	0.00%	0.000%
5	2.611	472	473	475	rBV2	818	345	0.00%	0.000%
6	2.875	551	555	556	rBV	463	274	0.00%	0.000%
7	3.148	638	640	642	rVB	608	251	0.00%	0.000%
8	3.244	667	670	672	rBV3	457	246	0.00%	0.000%
9	3.334	696	698	702	rBV2	409	259	0.00%	0.000%
10	3.386	713	714	716	rBV	255	143	0.00%	0.000%
11	3.447	729	733	737	rBV3	645	550	0.00%	0.001%
12	3.518	753	755	758	rBV2	287	215	0.00%	0.000%
13	3.540	758	762	763	rBV3	577	277	0.00%	0.000%
14	3.572	769	772	775	rBV3	377	257	0.00%	0.000%
15	3.614	782	785	786	rBV2	522	269	0.00%	0.000%
16	3.646	793	795	797	rVB2	639	272	0.00%	0.000%
17	3.707	812	814	819	rBV2	402	302	0.00%	0.000%
18	3.740	822	824	827	rBV3	322	218	0.00%	0.000%
19	3.788	833	839	843	rBV3	658	707	0.00%	0.001%
20	3.836	848	854	858	rBV6	600	674	0.00%	0.001%
21	3.881	865	868	870	rVB3	584	247	0.00%	0.000%
22	3.923	870	881	921	rBV	107895	297893	1.09%	0.393%
23	4.399	1013	1029	1053	rBV	217379	531056	1.94%	0.700%
24	4.588	1086	1088	1091	rVB4	749	387	0.00%	0.001%
25	4.704	1120	1124	1125	rBV2	799	533	0.00%	0.001%
26	4.797	1150	1153	1155	rBV2	546	272	0.00%	0.000%
27	4.846	1163	1168	1169	rBV2	883	579	0.00%	0.001%
28	4.881	1177	1179	1181	rBV3	586	243	0.00%	0.000%
29	4.987	1209	1212	1215	rVB2	637	349	0.00%	0.000%
30	5.010	1215	1219	1223	rVB2	735	457	0.00%	0.001%
31	5.093	1225	1245	1280	rBV2	545610	1460706	5.34%	1.925%
32	5.383	1333	1335	1339	rBV4	993	539	0.00%	0.001%
33	5.524	1377	1379	1382	rBV2	596	327	0.00%	0.000%
34	5.592	1396	1400	1402	rBV3	524	467	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

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\SOMVLM020120WMA.M
Title : VOC Analysis

35	5.659	1407	1421	1442	rBV	481316	958702	3.50%	1.264%
36	5.945	1500	1510	1524	rVB3	9324	18011	0.07%	0.024%
37	6.061	1544	1546	1547	rBV2	428	166	0.00%	0.000%
38	6.113	1547	1562	1588	rBV	314352	643276	2.35%	0.848%
39	6.354	1634	1637	1640	rBV3	868	632	0.00%	0.001%
40	6.373	1640	1643	1646	rBV2	510	418	0.00%	0.001%
41	6.444	1663	1665	1667	rBV2	464	161	0.00%	0.000%
42	6.489	1675	1679	1680	rBV2	688	323	0.00%	0.000%
43	6.604	1711	1715	1716	rBV	498	308	0.00%	0.000%
44	6.701	1743	1745	1747	rBV4	394	224	0.00%	0.000%
45	6.762	1762	1764	1767	rVB2	371	163	0.00%	0.000%
46	6.878	1794	1800	1801	rBV3	472	326	0.00%	0.000%
47	6.984	1830	1833	1834	rBV	448	251	0.00%	0.000%
48	7.026	1834	1846	1869	rBV	200326	354187	1.29%	0.467%
49	7.357	1936	1949	1962	rBV	671661	1174471	4.29%	1.548%
50	7.428	1964	1971	1988	rVB	121506	209276	0.76%	0.276%
51	7.659	2032	2043	2059	rBV	140479	238645	0.87%	0.315%
52	7.884	2111	2113	2115	rBV2	524	293	0.00%	0.000%
53	7.913	2120	2122	2127	rBV2	867	954	0.00%	0.001%
54	7.977	2140	2142	2145	rVB3	752	412	0.00%	0.001%
55	8.058	2163	2167	2168	rBV2	524	364	0.00%	0.000%
56	8.125	2177	2188	2224	rBV	363672	714725	2.61%	0.942%
57	8.489	2299	2301	2303	rBV	572	359	0.00%	0.000%
58	8.566	2321	2325	2327	rVB2	868	511	0.00%	0.001%
59	8.582	2327	2330	2333	rBV2	397	328	0.00%	0.000%
60	8.630	2343	2345	2346	rBV	460	187	0.00%	0.000%
61	8.736	2376	2378	2379	rBV	345	156	0.00%	0.000%
62	8.755	2382	2384	2389	rVV2	618	437	0.00%	0.001%
63	8.794	2393	2396	2399	rVV4	686	332	0.00%	0.000%
64	8.813	2399	2402	2404	rBV4	471	307	0.00%	0.000%
65	8.891	2413	2426	2451	rBV	704548	1150839	4.20%	1.517%
66	9.051	2466	2476	2488	rBV	98320	154276	0.56%	0.203%
67	9.177	2502	2515	2531	rBV	513291	842048	3.08%	1.110%
68	9.321	2558	2560	2562	rVB	491	180	0.00%	0.000%
69	9.347	2562	2568	2569	rBV2	1902	1615	0.01%	0.002%
70	9.415	2586	2589	2590	rBV	619	285	0.00%	0.000%
71	9.598	2630	2646	2673	rBV3	997662	1956986	7.15%	2.579%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

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\SOMVLM020120WMA.M
Title : VOC Analysis

72	9.926	2743	2748	2750	rBV4	1137	1038	0.00%	0.001%
73	10.254	2837	2850	2863	rBV	413019	665738	2.43%	0.877%
74	10.392	2886	2893	2905	rVB2	22780	35202	0.13%	0.046%
75	10.489	2913	2923	2940	rBV	122788	280211	1.02%	0.369%
76	10.579	2943	2951	2960	rVV	168835	247506	0.90%	0.326%
77	10.778	3004	3013	3015	rBV	48294	59794	0.22%	0.079%
78	10.952	3060	3067	3079	rVB	572698	864705	3.16%	1.140%
79	11.022	3080	3089	3098	rVV	851592	1273712	4.65%	1.679%
80	11.074	3099	3105	3118	rVB	315067	451391	1.65%	0.595%
81	11.289	3162	3172	3189	rVV	746003	1146988	4.19%	1.512%
82	11.376	3190	3199	3208	rVV	208764	315500	1.15%	0.416%
83	11.434	3210	3217	3232	rVB	169222	260887	0.95%	0.344%
84	11.569	3249	3259	3268	rBV	146617	239562	0.88%	0.316%
85	11.665	3279	3289	3305	rVB	691853	1124280	4.11%	1.482%
86	11.784	3315	3326	3347	rBV	4377995	6872988	25.11%	9.059%
87	12.032	3396	3403	3408	rBV3	56787	93546	0.34%	0.123%
88	12.508	3543	3551	3565	rBV2	133885	318964	1.17%	0.420%
89	12.630	3581	3589	3599	rBV	156210	261622	0.96%	0.345%
90	12.923	3673	3680	3690	rVB3	187221	274951	1.00%	0.362%
91	12.987	3691	3700	3713	rVB	737063	1109633	4.05%	1.463%
92	13.096	3723	3734	3751	rVB	817989	1352814	4.94%	1.783%
93	13.550	3861	3875	3892	rBV	16115695	27370629	100.00%	36.076%
94	14.675	4214	4225	4244	rVB	6254785	9656074	35.28%	12.727%
95	14.858	4271	4282	4303	rVB	3531435	5439240	19.87%	7.169%
96	15.405	4443	4452	4463	rBV	563229	826524	3.02%	1.089%
97	15.710	4536	4547	4568	rBV	775670	1312424	4.80%	1.730%
98	15.855	4583	4592	4598	rBV	931538	1404439	5.13%	1.851%
99	15.987	4626	4633	4644	rVB	210368	315953	1.15%	0.416%
100	16.318	4727	4736	4754	rVB2	523715	969367	3.54%	1.278%

Sum of corrected areas: 75869033

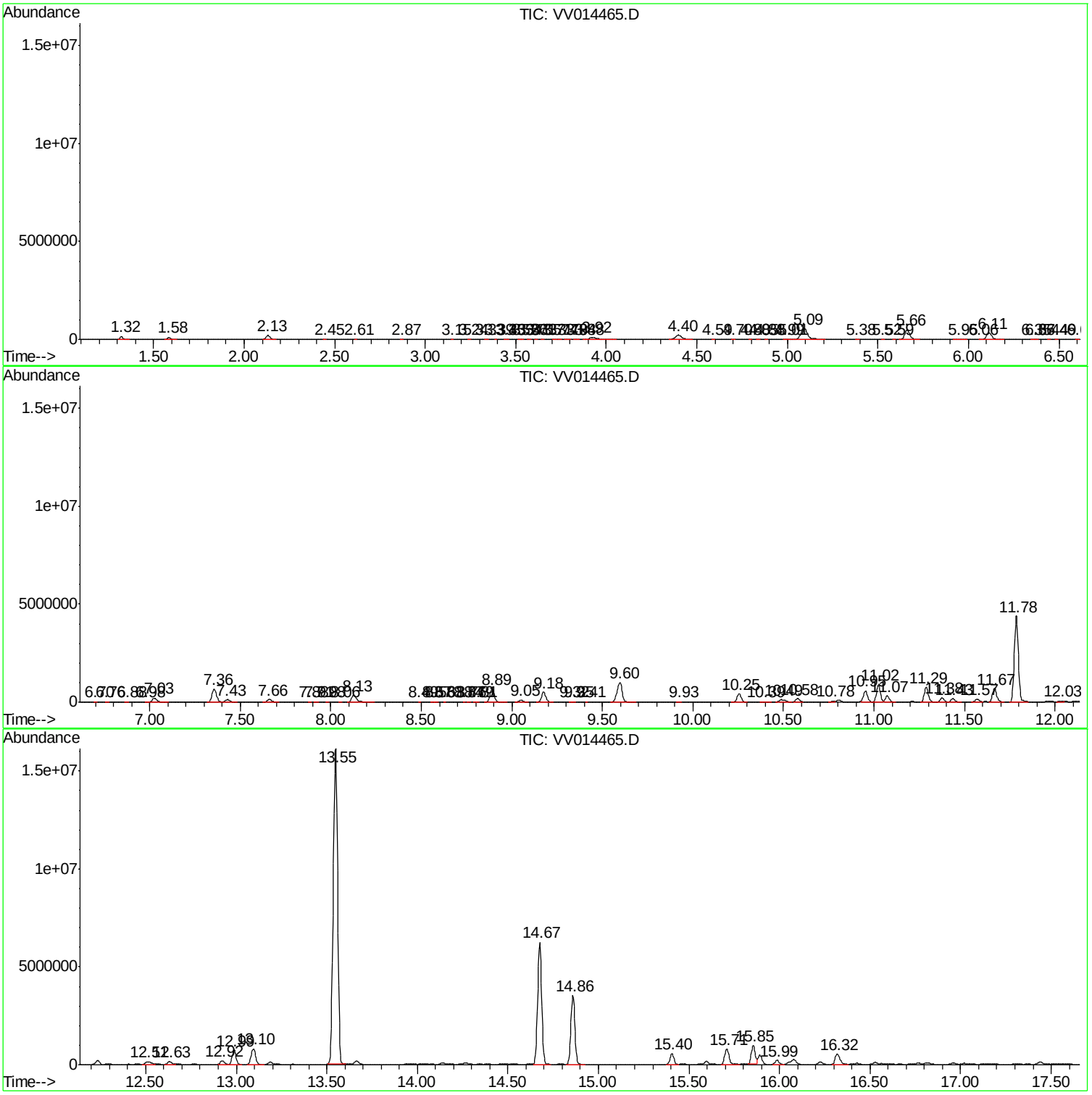
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

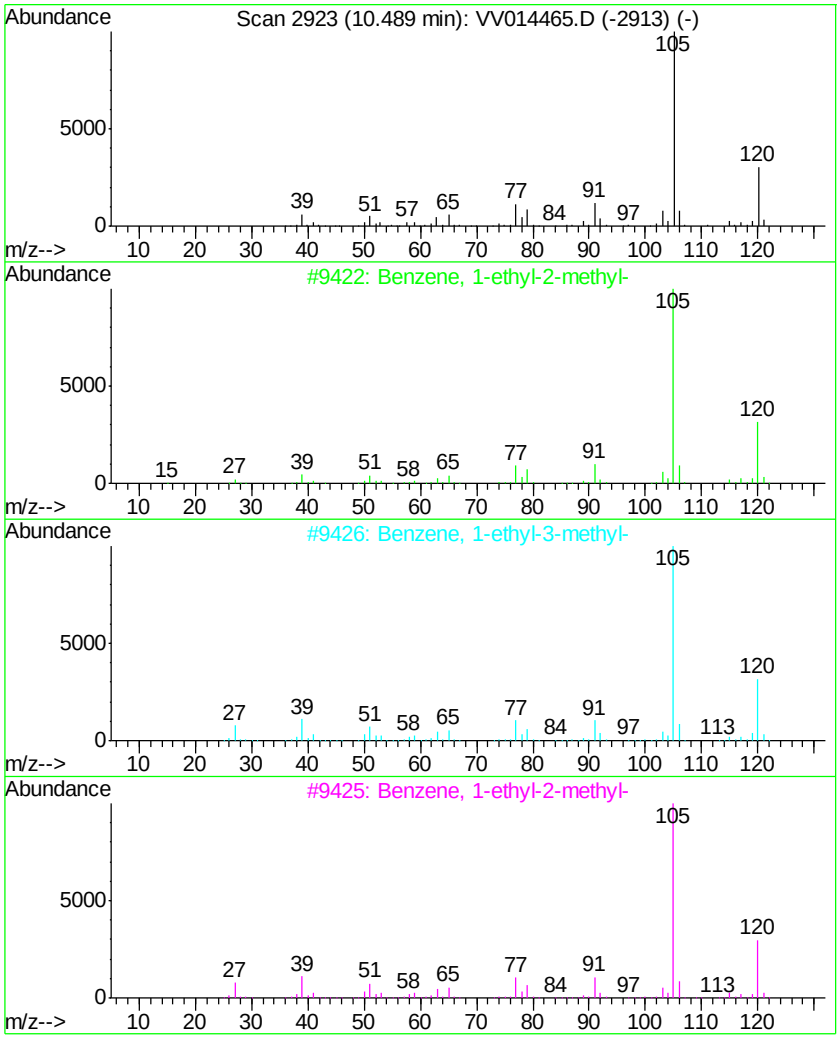
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

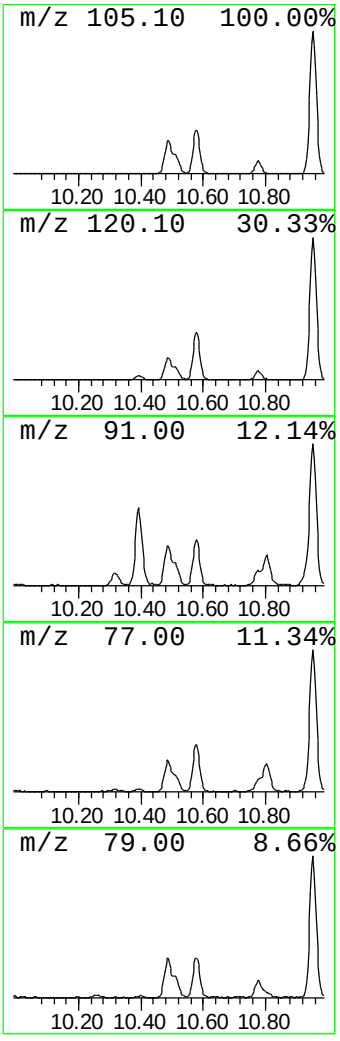
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	12.22 ug/L	280211	1,4-Dichlorobenzene-d4	11.29

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

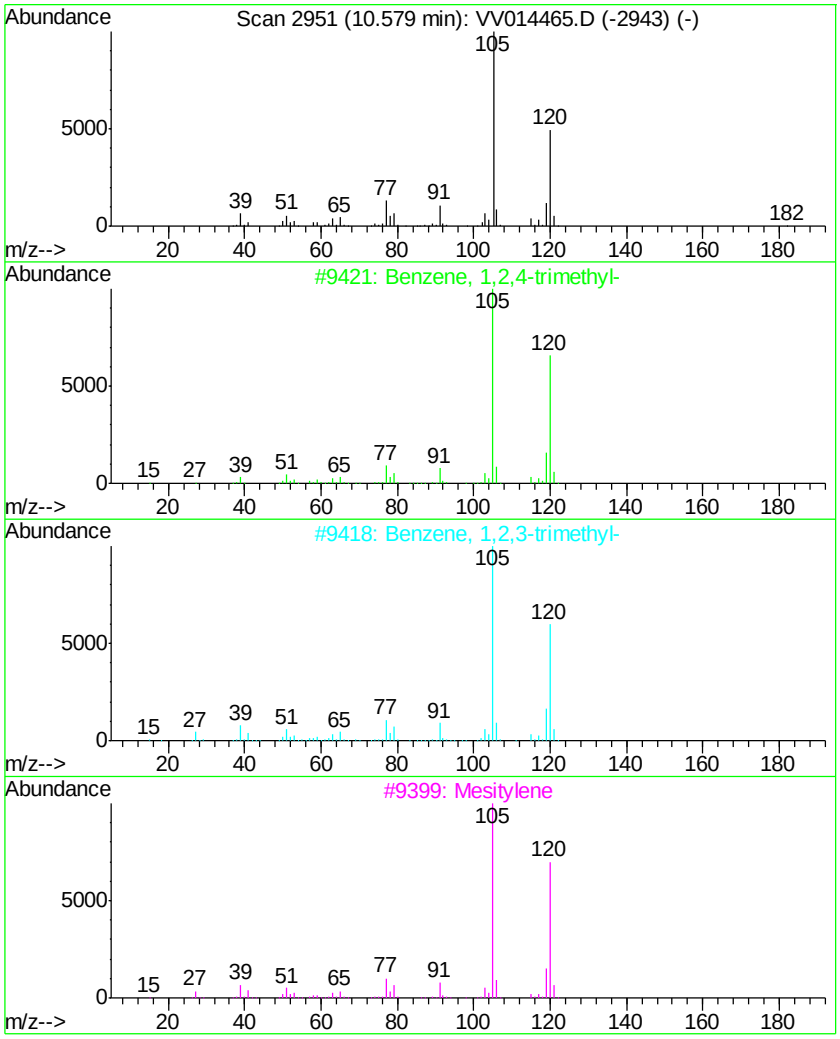
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

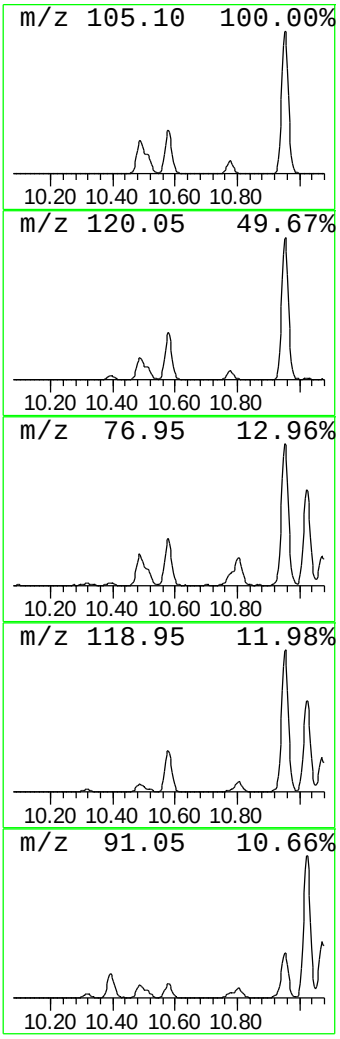
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	10.79 ug/L	247506	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

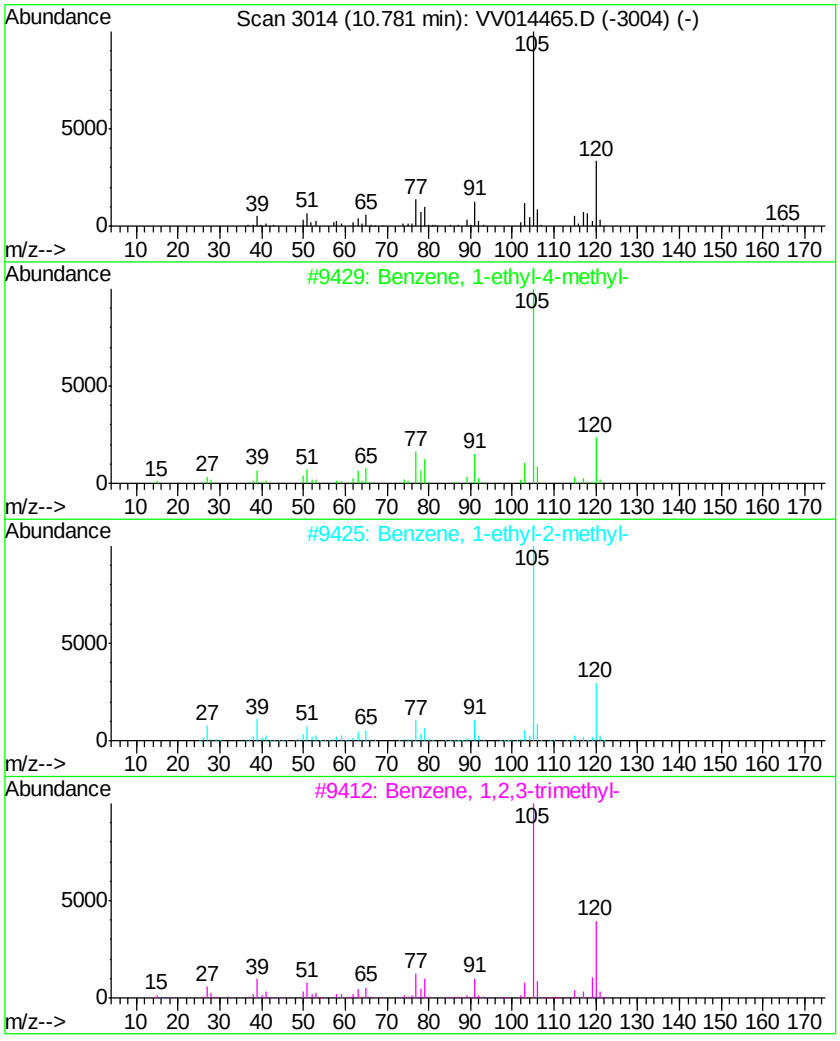
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

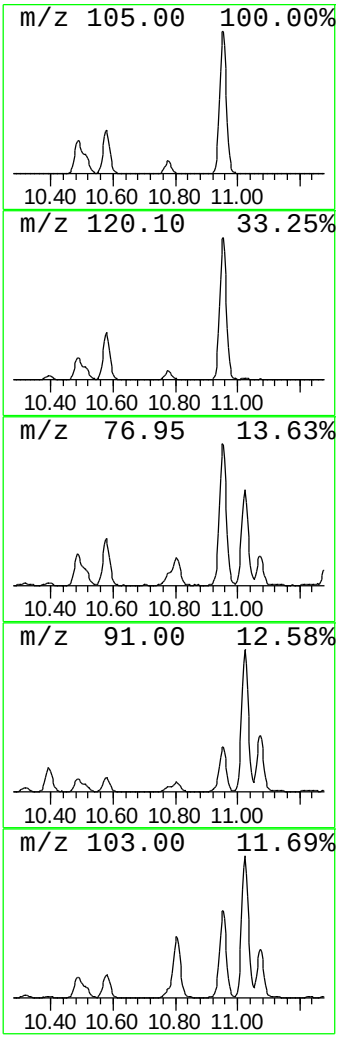
****

Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.61 ug/L	59794	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

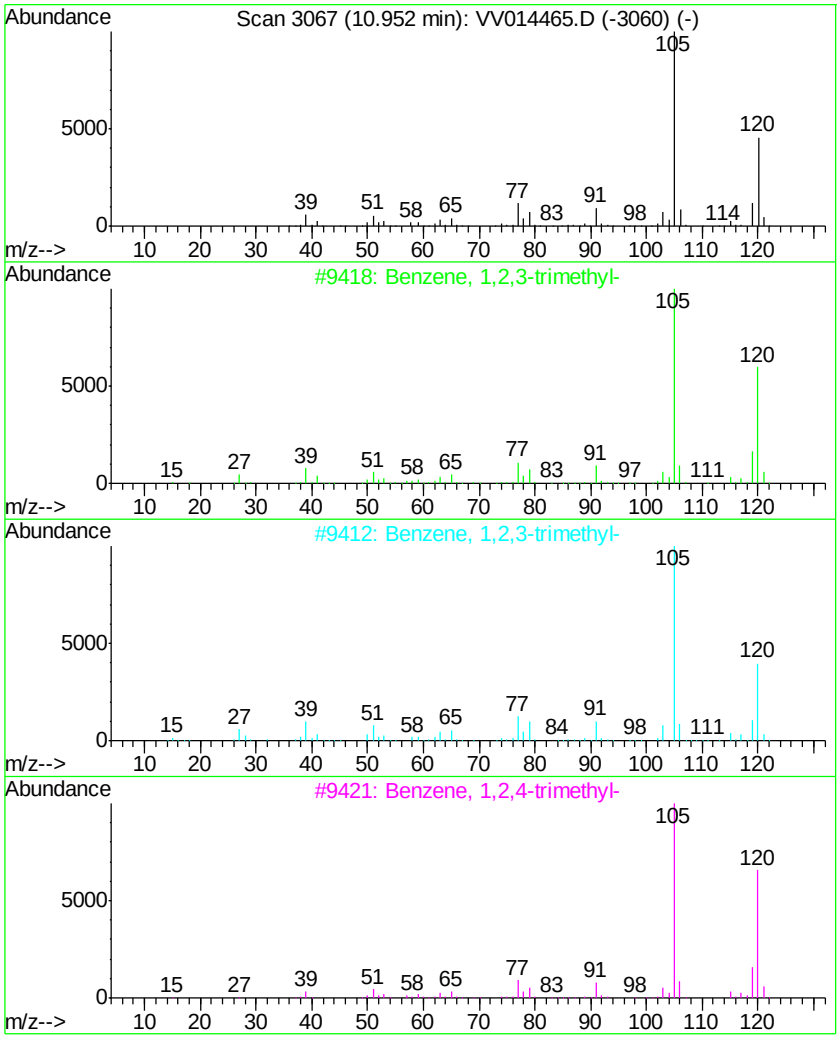
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

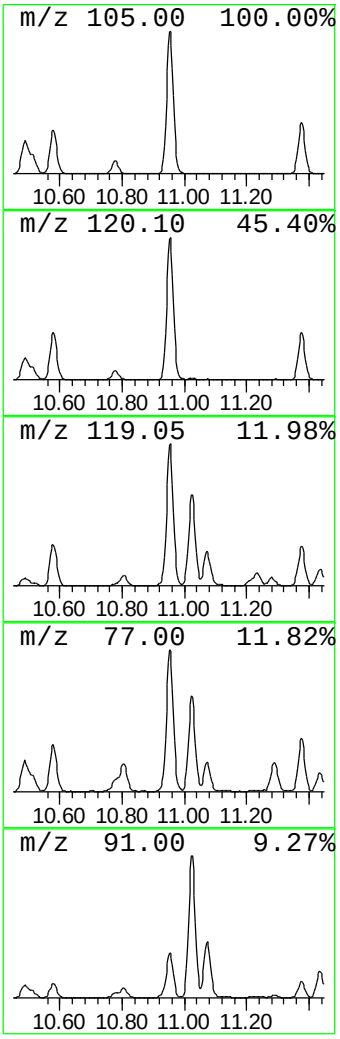
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	37.69 ug/L	864705	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

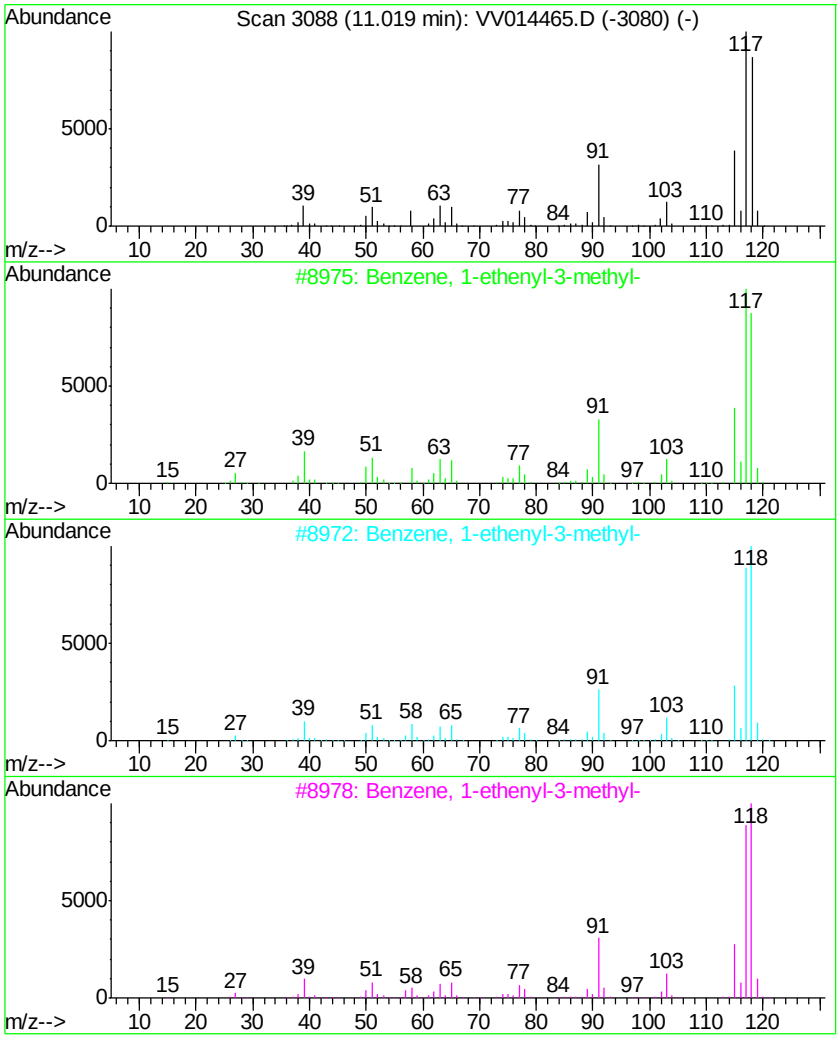
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

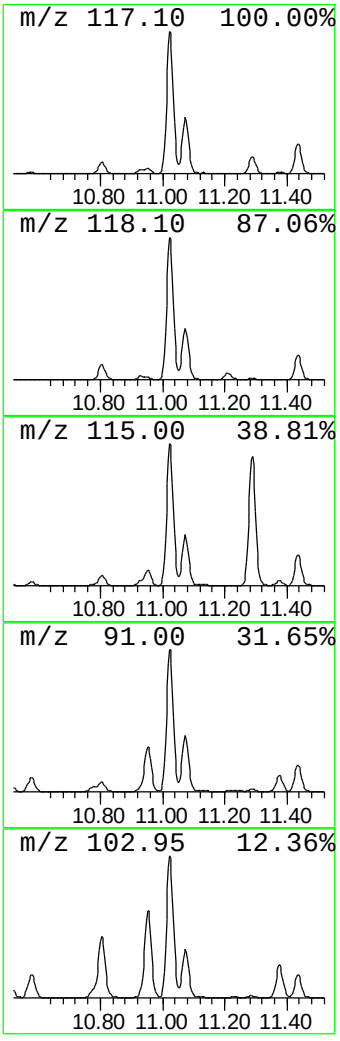
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	55.52 ug/L	1273710	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

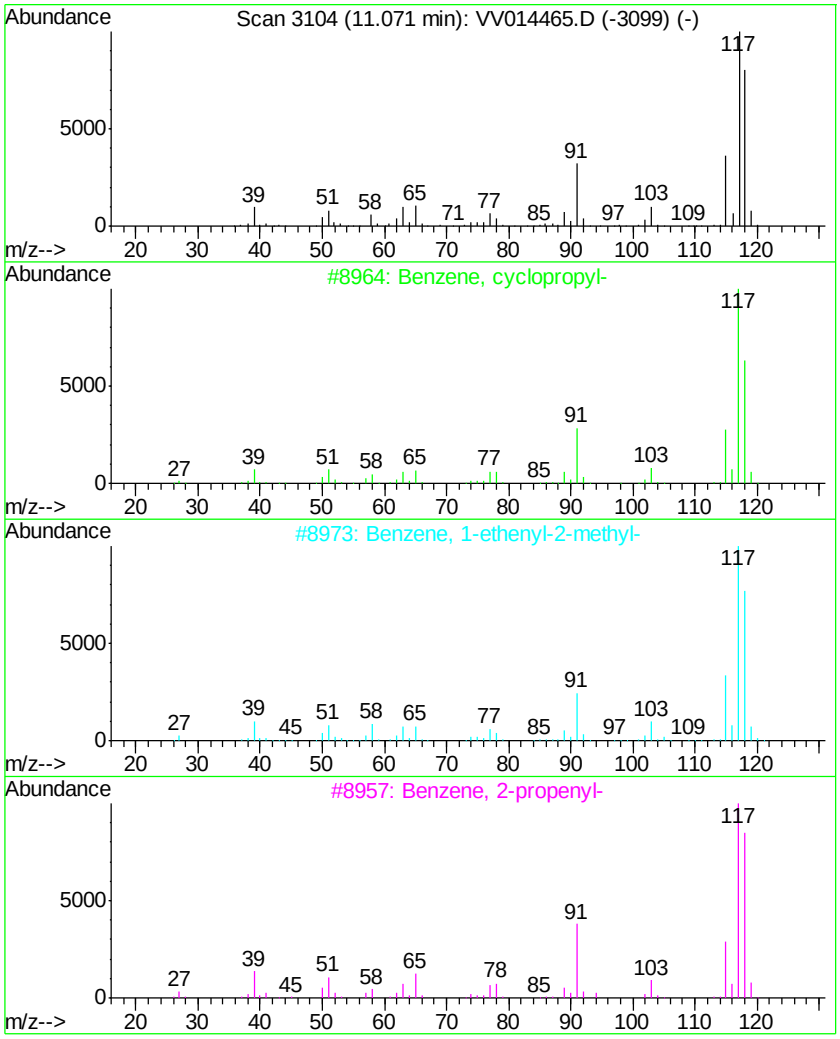
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

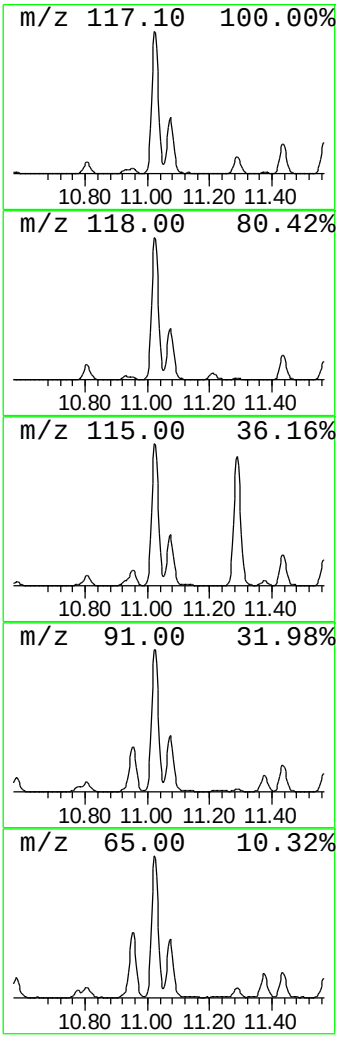
****

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	19.68 ug/L	451391	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90





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Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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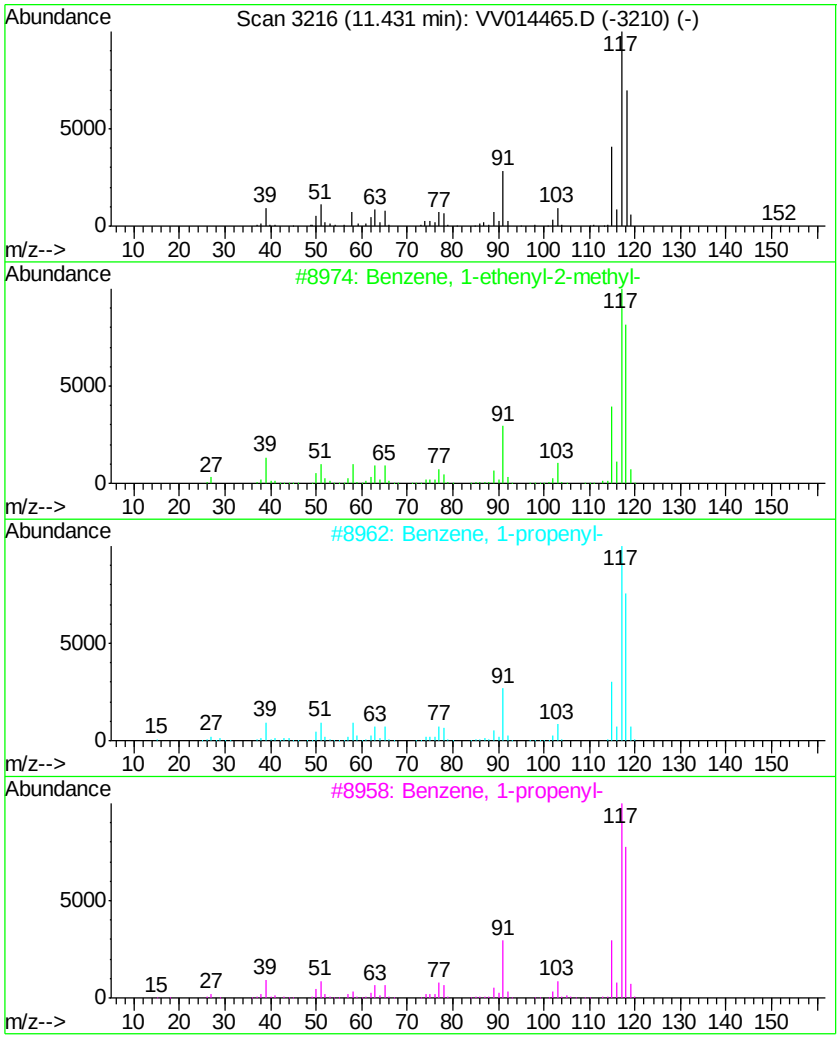
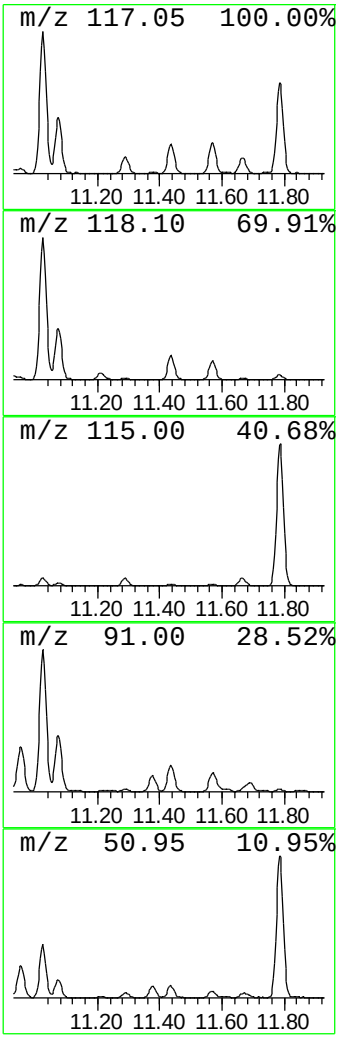
Peak Number 9 Benzene, 1-ethenyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	11.37 ug/L	260887	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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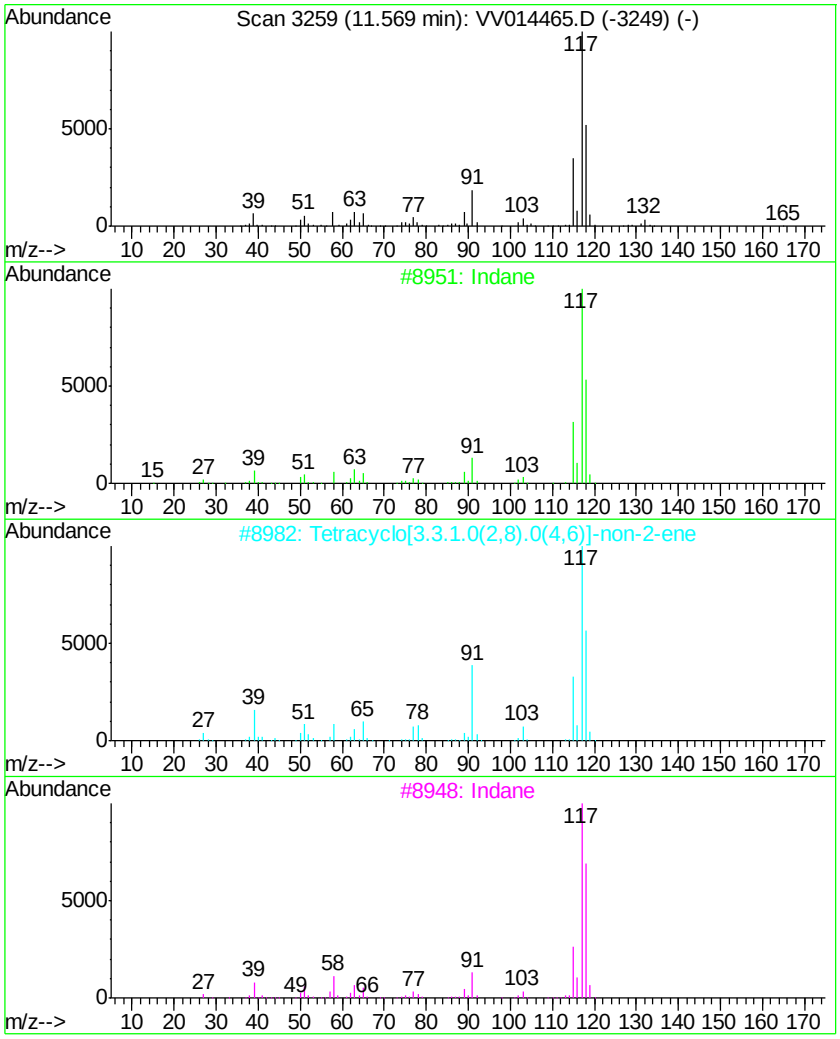
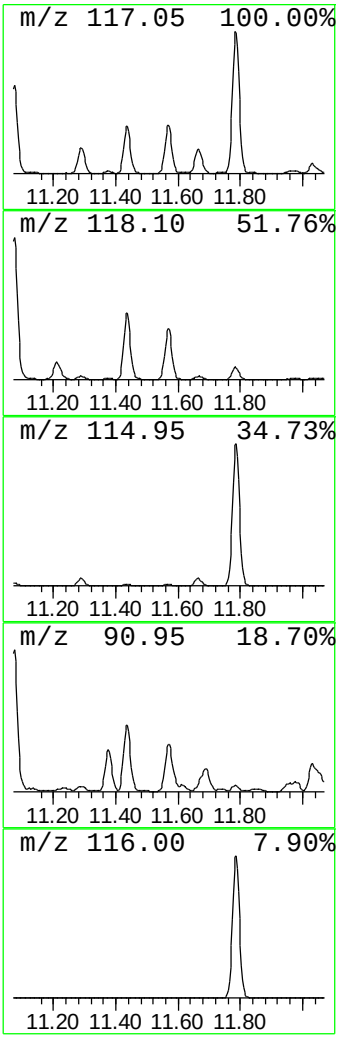
Peak Number 10 Indane Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	10.44 ug/L	239562	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83
3	Indane	118	C9H10	000496-11-7	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Deltacyclene	118	C9H10	007785-10-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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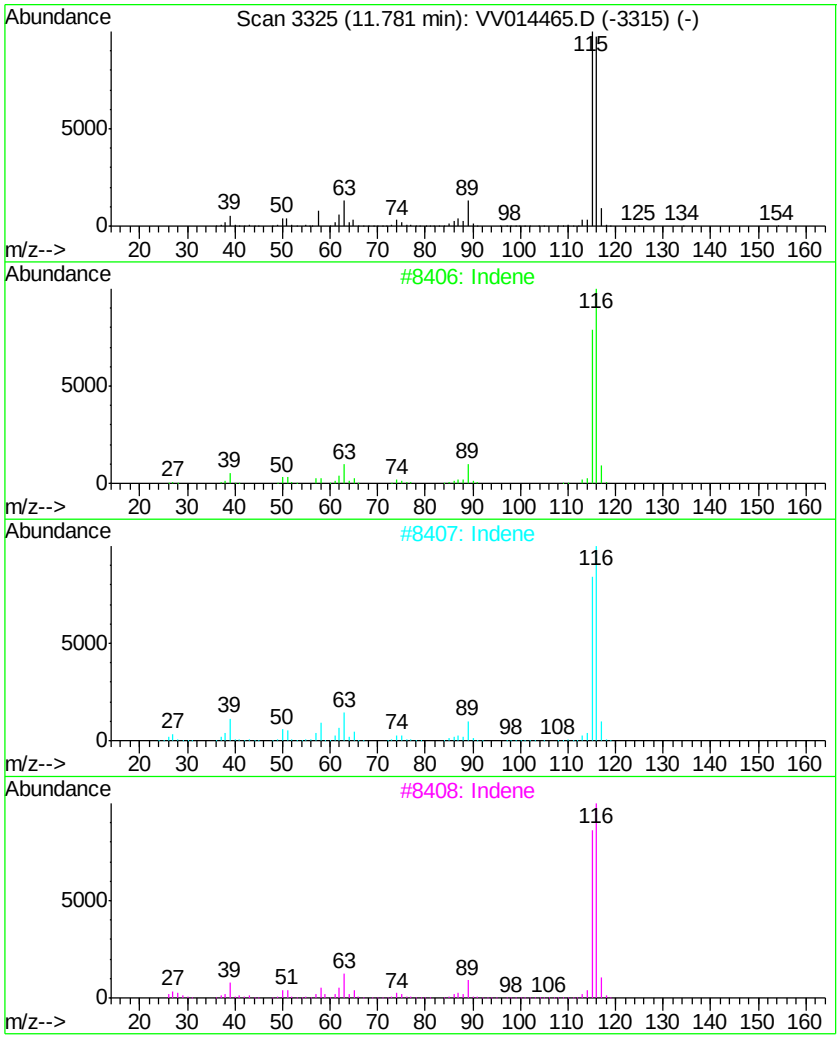
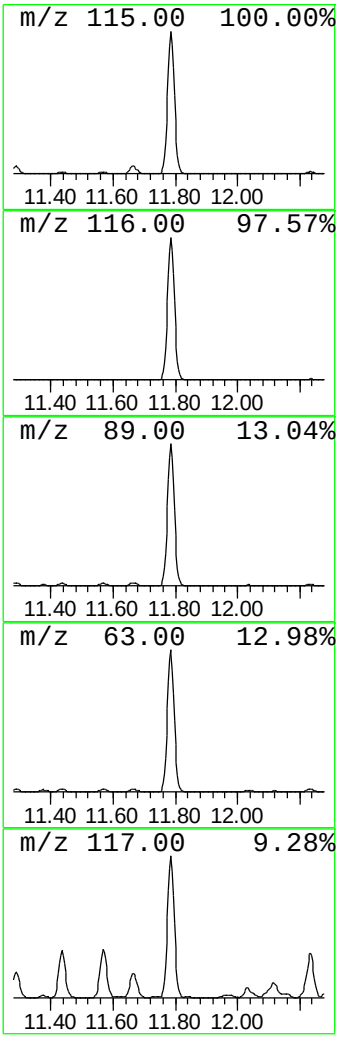
Peak Number 11 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	299.61 ug/L	6872990	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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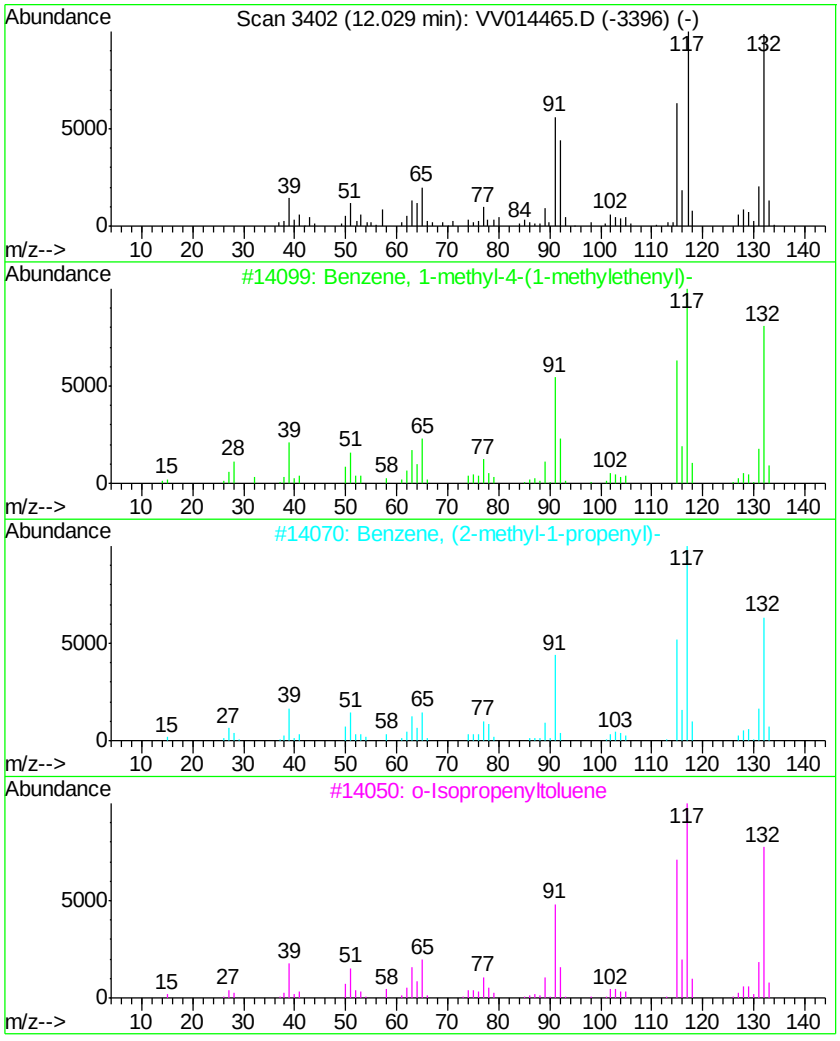
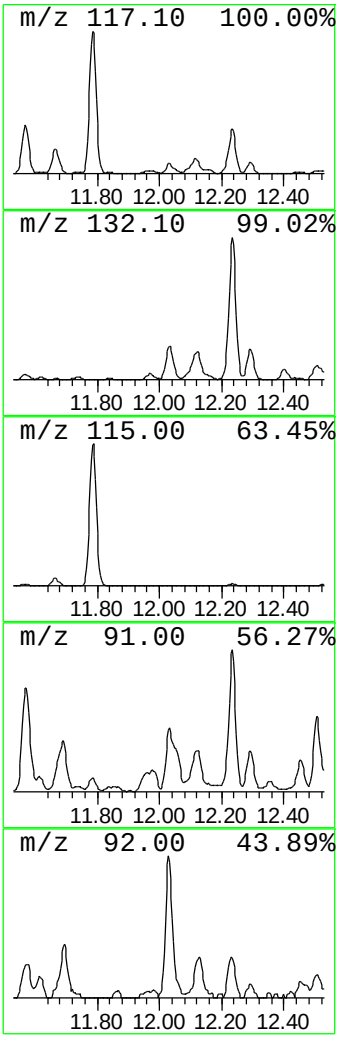
Peak Number 12 Benzene, 1-methyl-4-(1-meth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.08 ug/L	93546	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3	o-Isopropenyltoluene	132	C10H12	007399-49-7	91
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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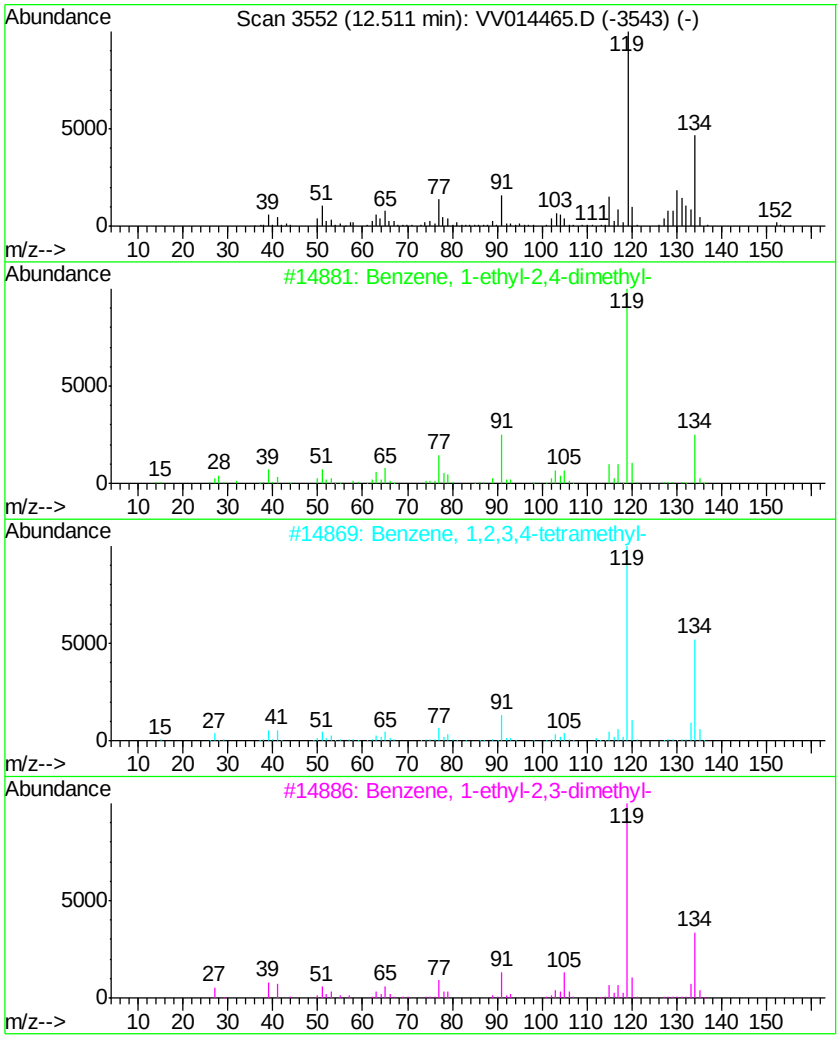
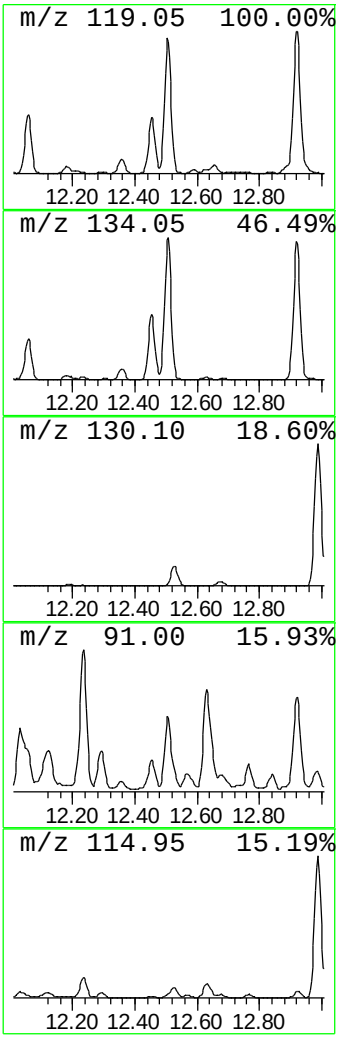
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	13.90 ug/L	318964	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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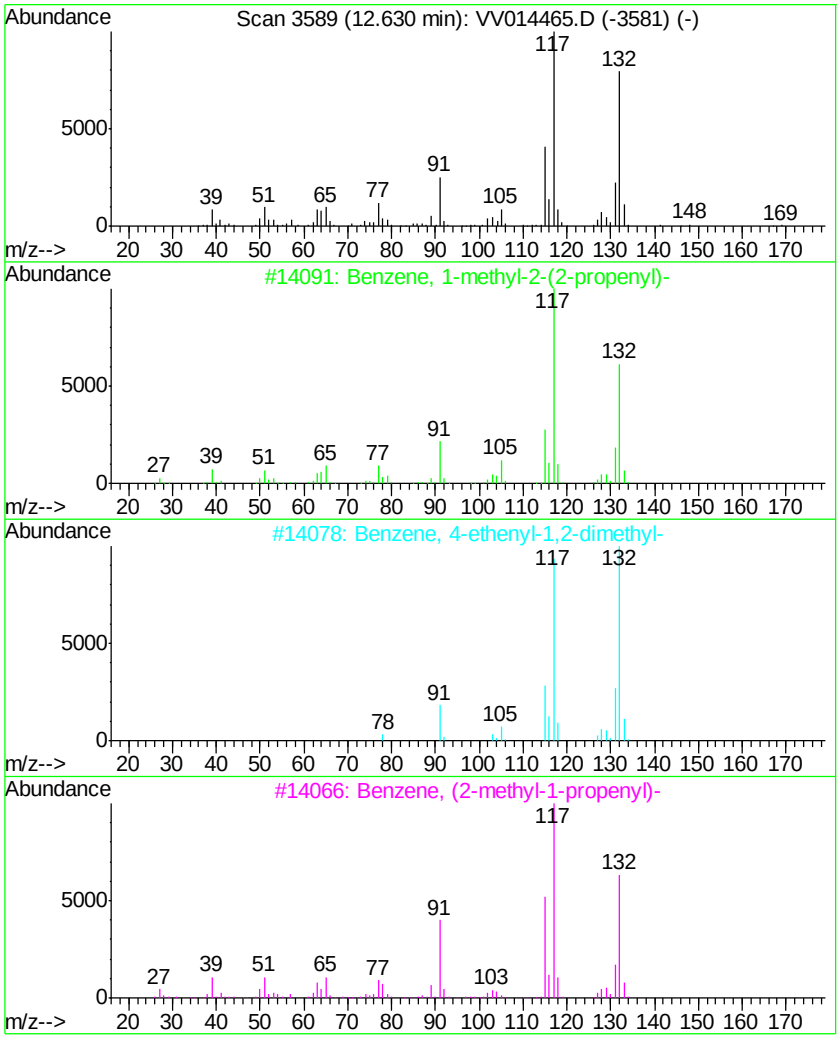
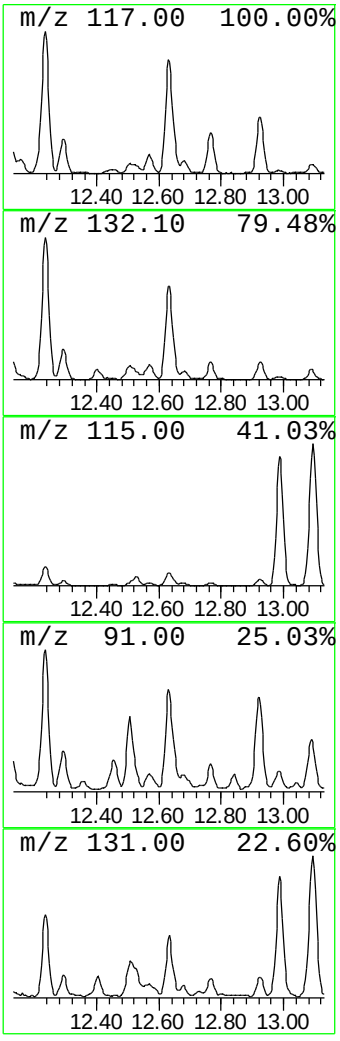
Peak Number 14 Benzene, 1-methyl-2-(2-prop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	11.40 ug/L	261622	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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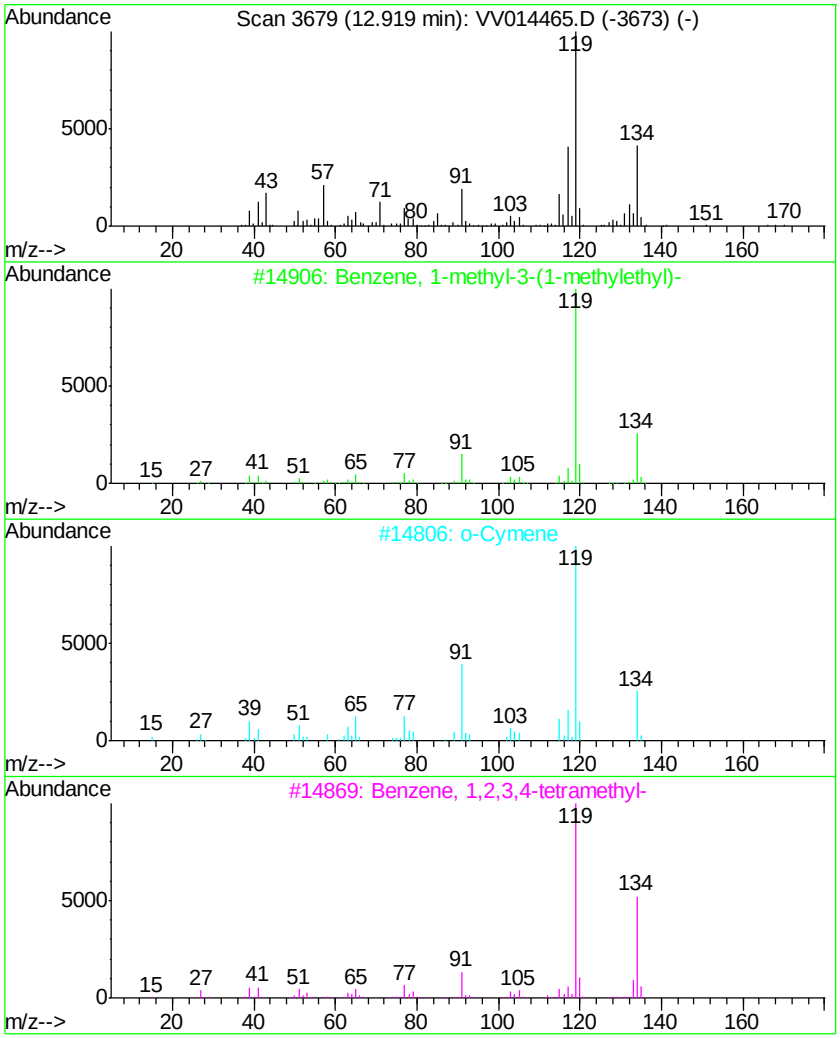
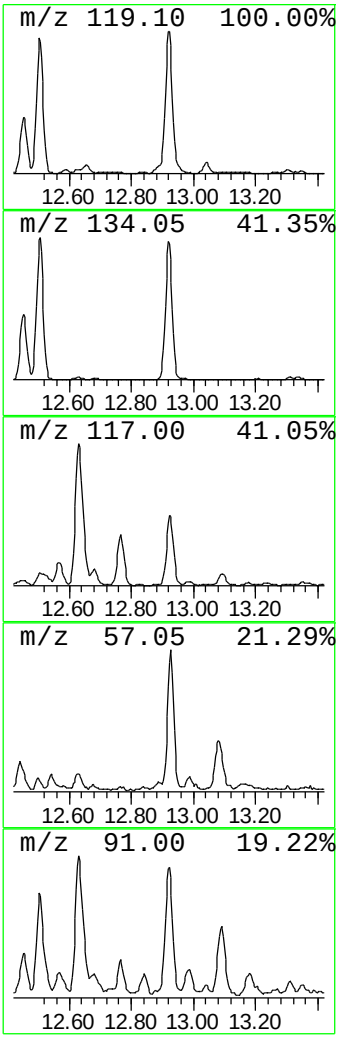
Peak Number 15 Benzene, 1-methyl-3-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	11.99 ug/L	274951	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
2	o-Cymene	134	C10H14	000527-84-4	70
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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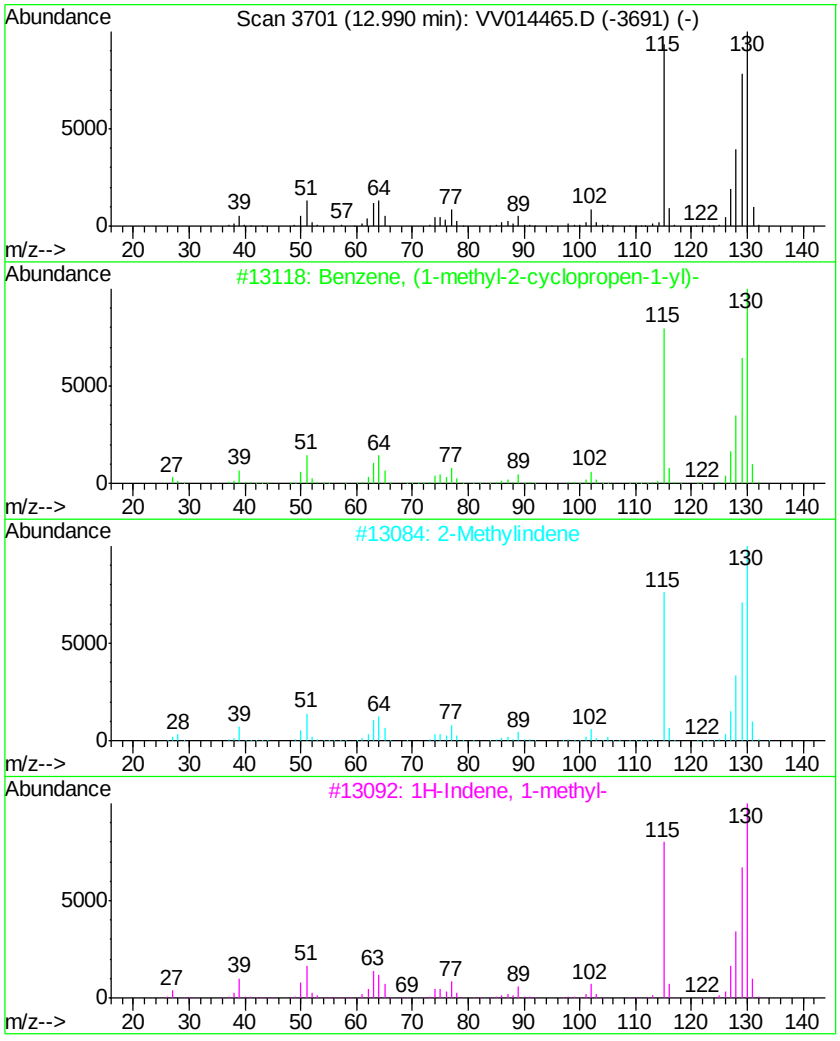
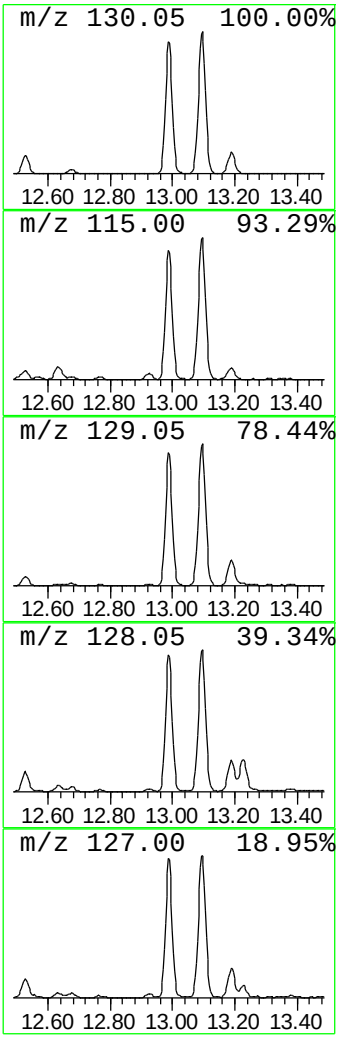
Peak Number 16 Benzene, (1-methyl-2-cyclop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	48.37 ug/L	1109630	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





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Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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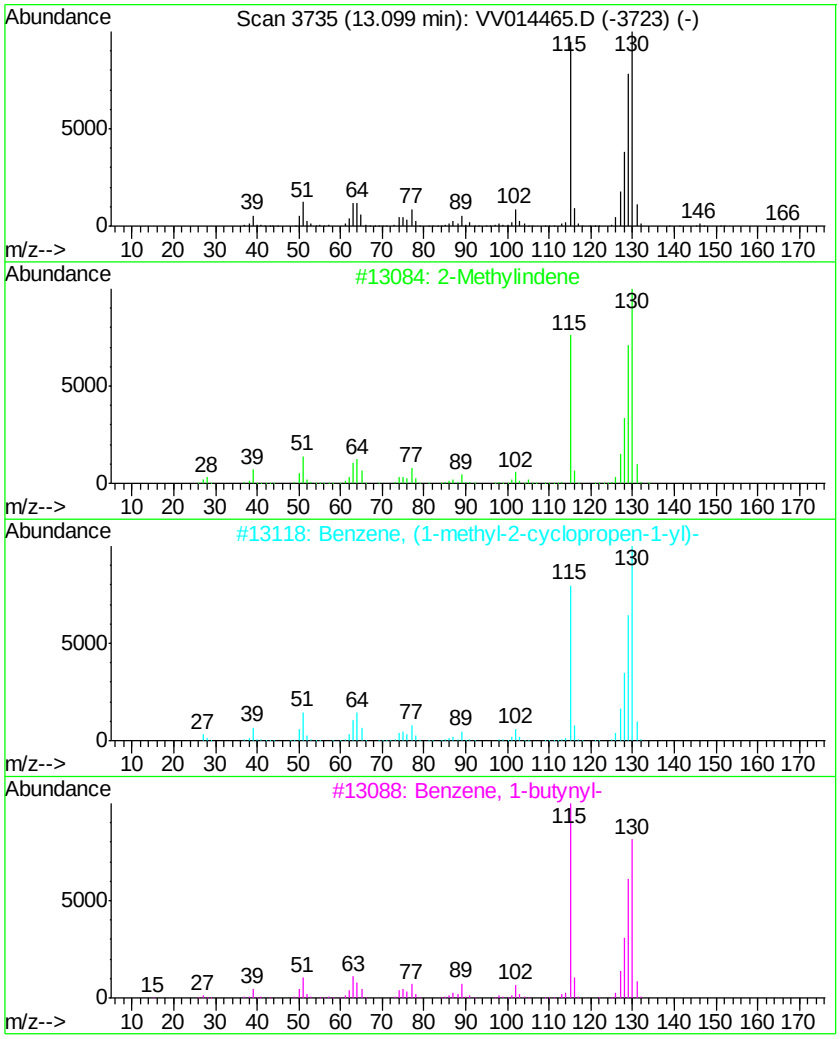
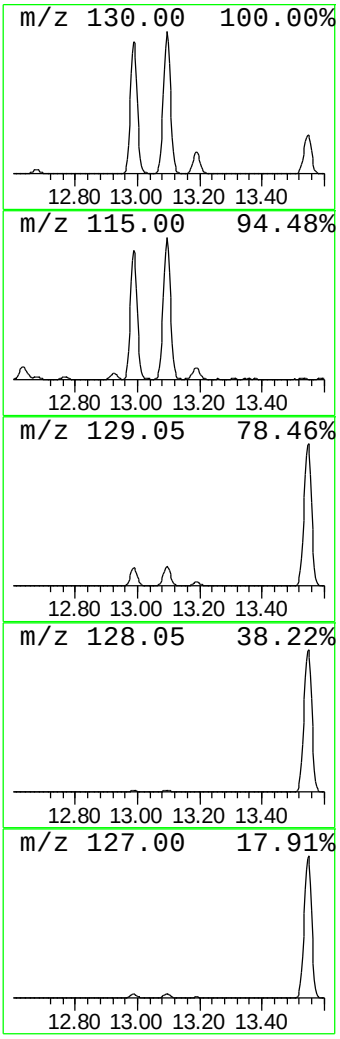
Peak Number 17 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	58.97 ug/L	1352810	1,4-Dichlorobenzene-d4	11.29

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	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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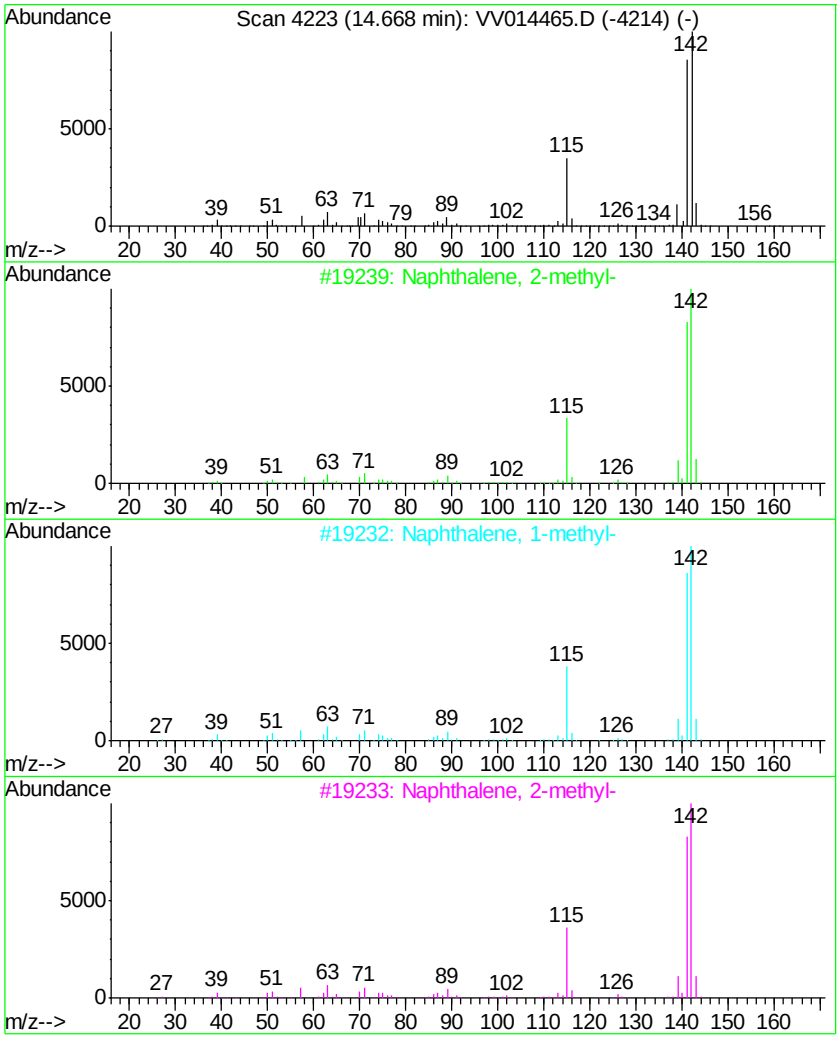
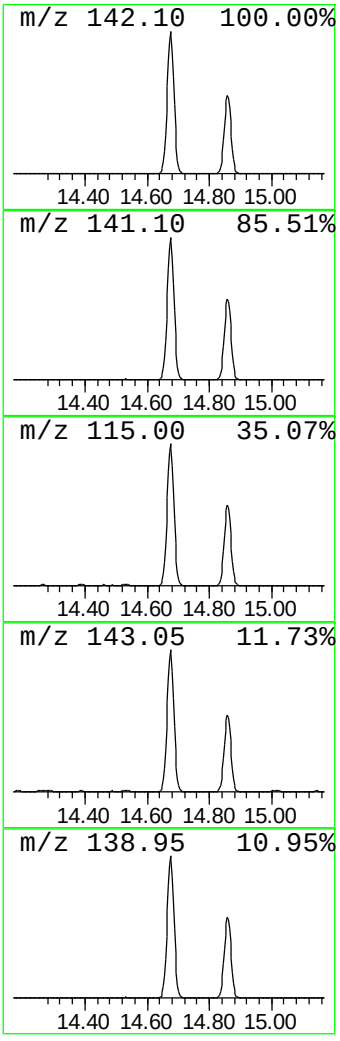
Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	420.93 ug/L	9656070	1,4-Dichlorobenzene-d4	11.29

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\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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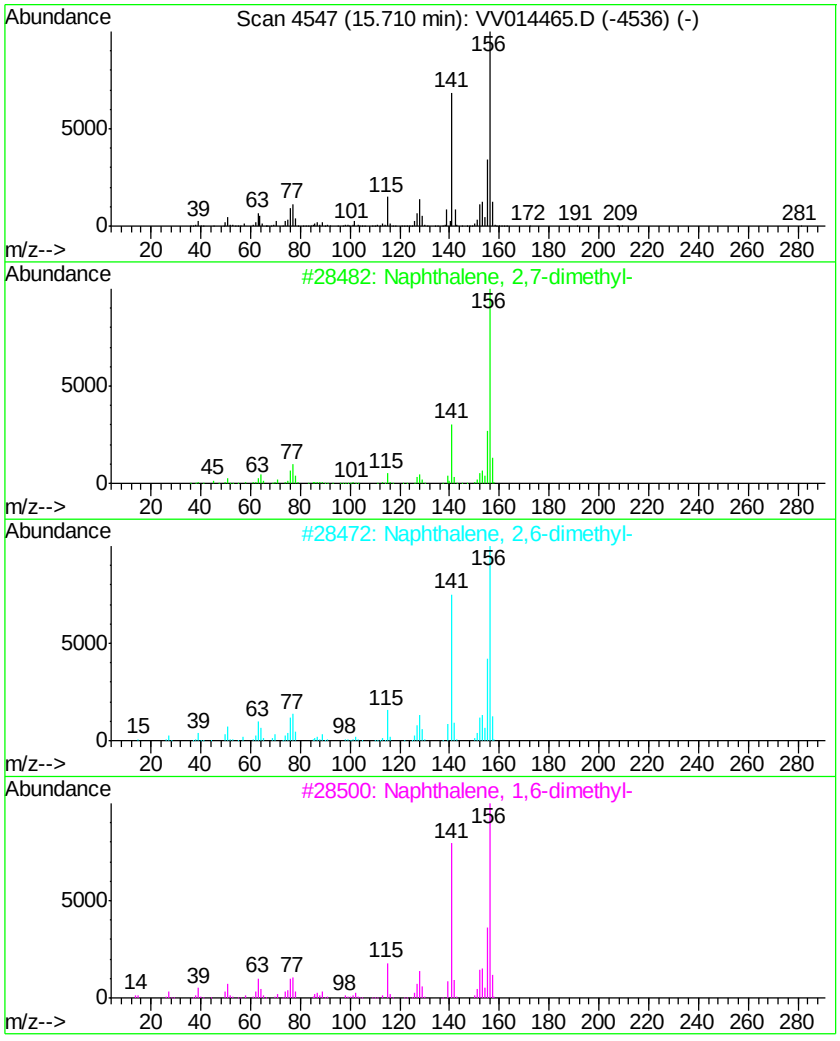
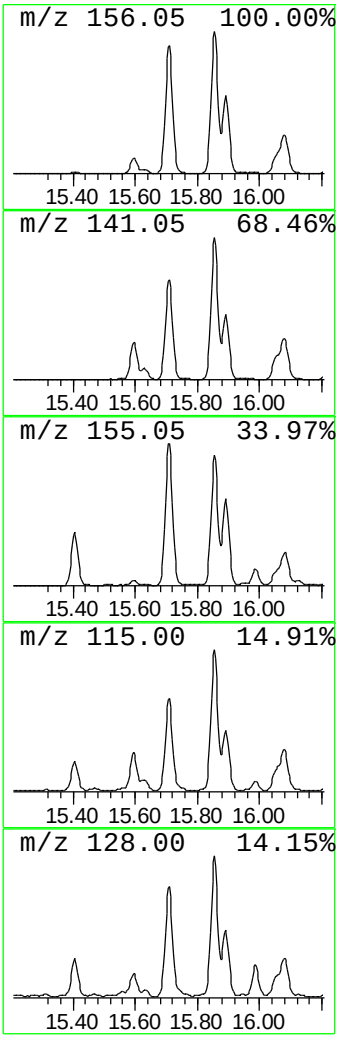
Peak Number 22 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	57.21 ug/L	1312420	1,4-Dichlorobenzene-d4	11.29

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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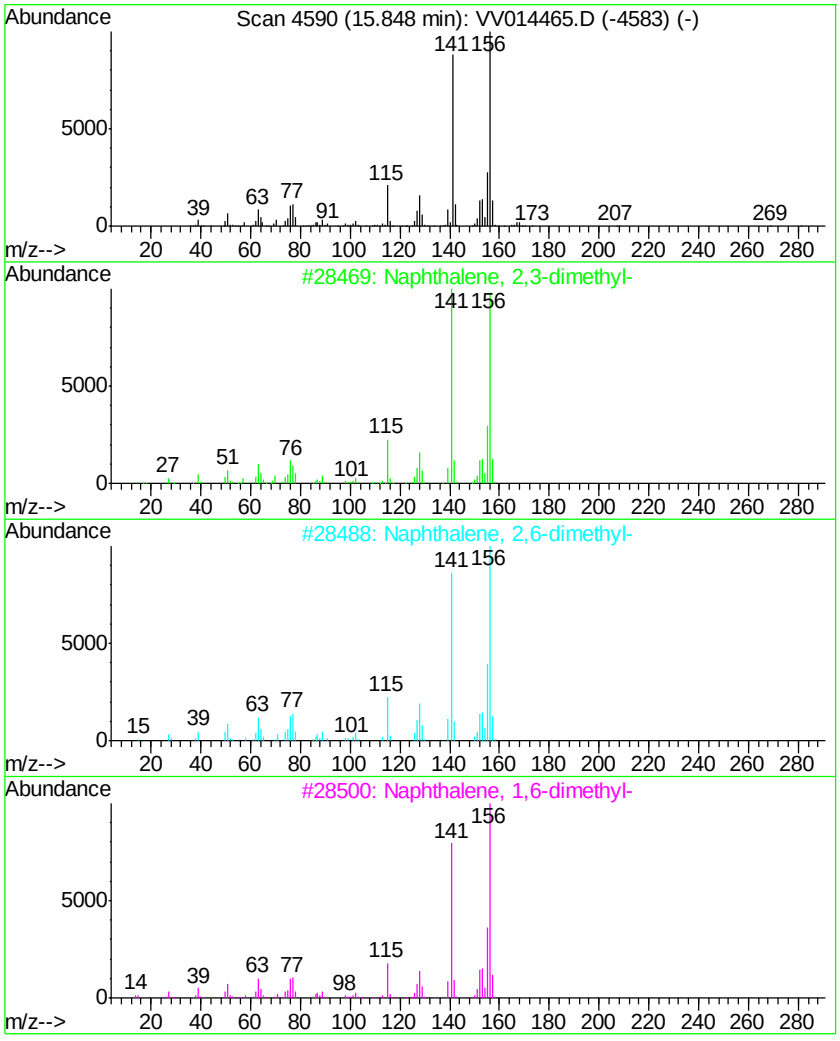
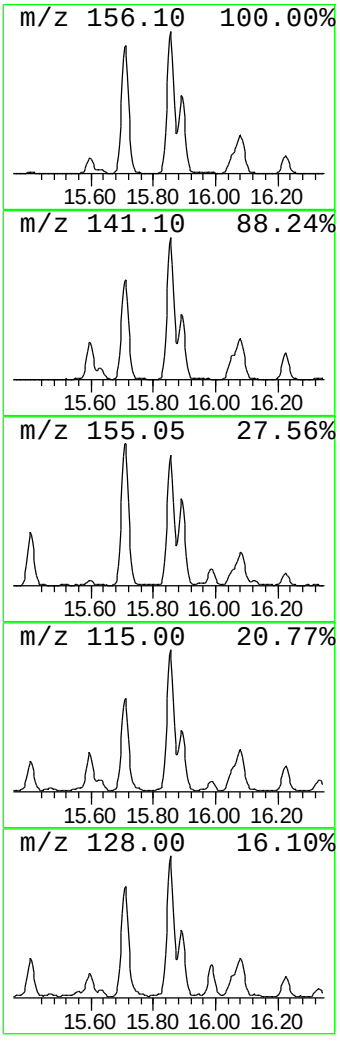
Peak Number 23 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	61.22 ug/L	1404440	1,4-Dichlorobenzene-d4	11.29

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, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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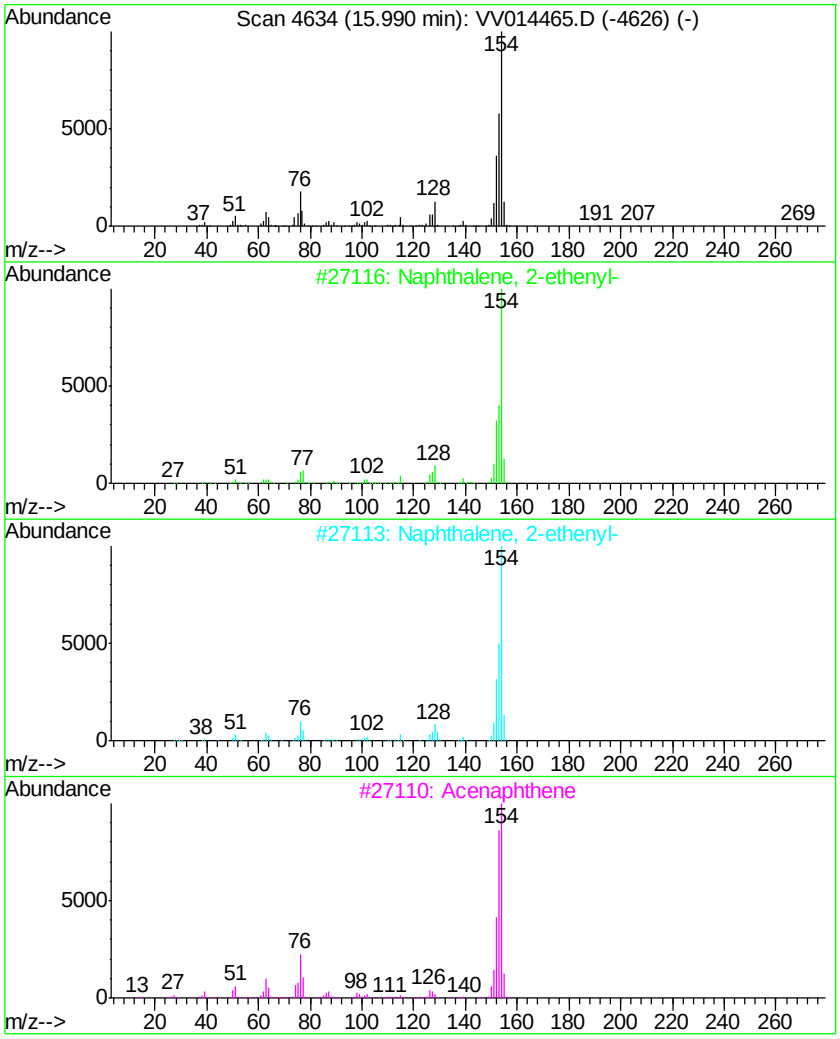
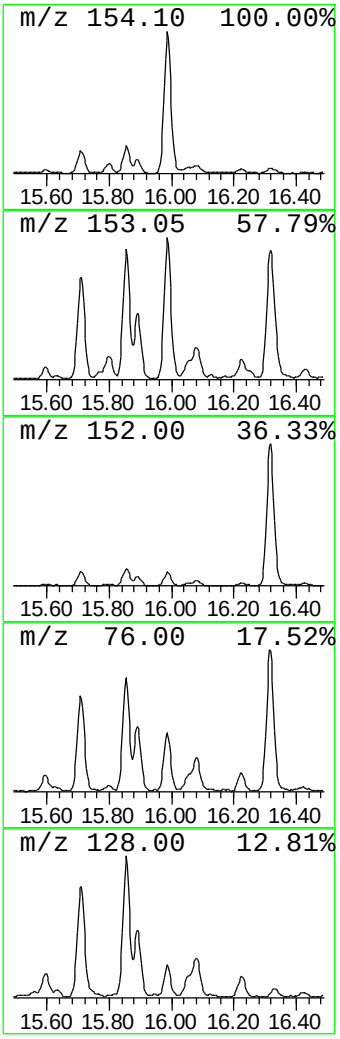
Peak Number 24 Naphthalene, 2-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	13.77 ug/L	315953	1,4-Dichlorobenzene-d4	11.29

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis

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

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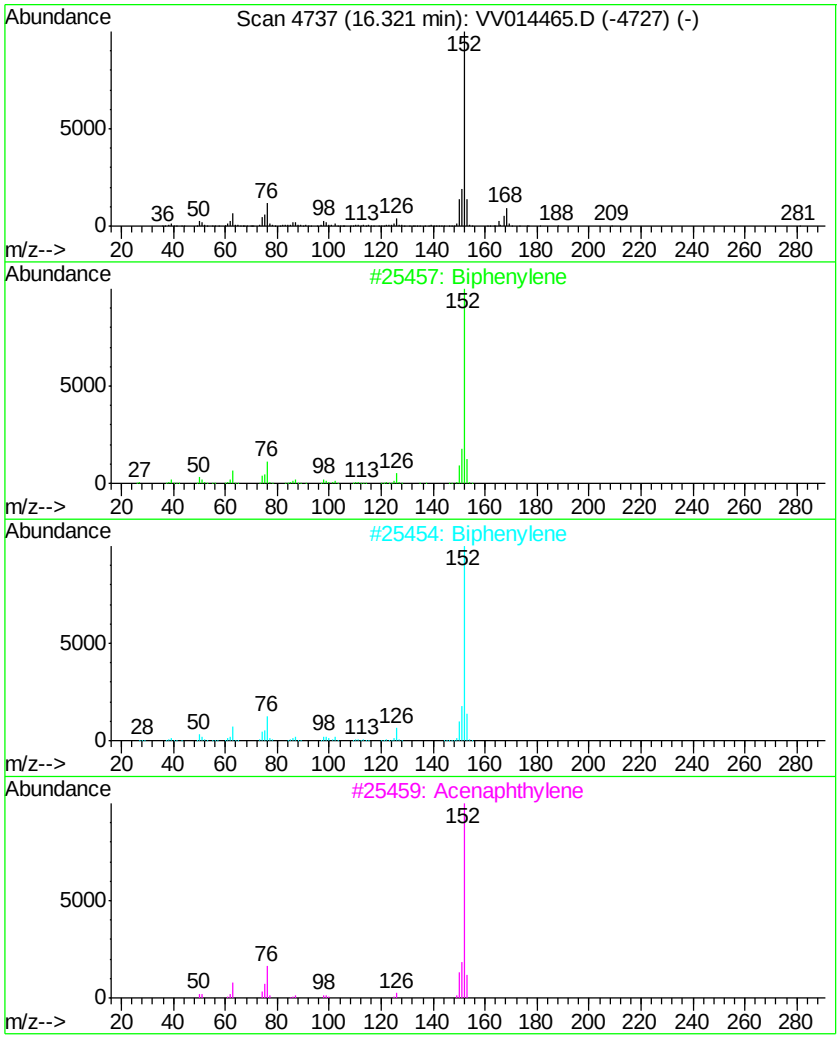
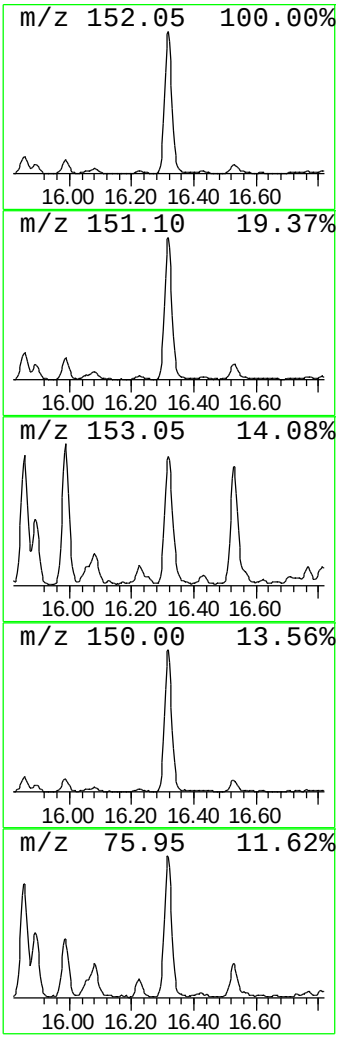
Peak Number 25 Biphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	42.26 ug/L	969367	1,4-Dichlorobenzene-d4	11.29

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	87
4	Acenaphthylene	152	C12H8	000208-96-8	87
5	Acenaphthylene	152	C12H8	000208-96-8	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020120\
Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.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-...	10.49	12.2	ug/L	280211	3	11.29	1146990	50.0
Benzene, 1,2,4-tr...	10.58	10.8	ug/L	247506	3	11.29	1146990	50.0
Benzene, 1-ethyl-...	10.78	2.6	ug/L	59794	3	11.29	1146990	50.0
Benzene, 1,2,3-tr...	10.95	37.7	ug/L	864705	3	11.29	1146990	50.0
Benzene, 1-etheny...	11.02	55.5	ug/L	1273710	3	11.29	1146990	50.0
Benzene, cyclopro...	11.07	19.7	ug/L	451391	3	11.29	1146990	50.0
Benzene, 1-etheny...	11.43	11.4	ug/L	260887	3	11.29	1146990	50.0
Indane	11.57	10.4	ug/L	239562	3	11.29	1146990	50.0
Indene	11.78	299.6	ug/L	6872990	3	11.29	1146990	50.0
Benzene, 1-methyl...	12.03	4.1	ug/L	93546	3	11.29	1146990	50.0
Benzene, 1-ethyl-...	12.51	13.9	ug/L	318964	3	11.29	1146990	50.0
Benzene, 1-methyl...	12.63	11.4	ug/L	261622	3	11.29	1146990	50.0
Benzene, 1-methyl...	12.92	12.0	ug/L	274951	3	11.29	1146990	50.0
Benzene, (1-methy...	12.99	48.4	ug/L	1109630	3	11.29	1146990	50.0
2-Methylindene	13.10	59.0	ug/L	1352810	3	11.29	1146990	50.0
Naphthalene, 1-me...	14.67	420.9	ug/L	9656070	3	11.29	1146990	50.0
Naphthalene, 2,7-...	15.71	57.2	ug/L	1312420	3	11.29	1146990	50.0
Naphthalene, 2,3-...	15.85	61.2	ug/L	1404440	3	11.29	1146990	50.0
Naphthalene, 2-et...	15.99	13.8	ug/L	315953	3	11.29	1146990	50.0
Biphenylene	16.32	42.3	ug/L	969367	3	11.29	1146990	50.0