LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

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_W\METHOD\SOM2WLM110420S.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	2.148	38	40	45	rBV3	1425	2197	0.00%	0.001%
2	2.190	45	47	48	rBV2	813	634	0.00%	0.000%
3	2.355	66	74	87	rVB	109561	214784	0.14%	0.125%
4	2.501	94	98	105	rVB	6487	11611	0.01%	0.007%
5	2.812	144	149	155	rBV	3250	6960	0.00%	0.004%
6	2.891	155	162	178	rVB	79180	196117	0.13%	0.114%
7	3.391	240	244	250	rVB4	1068	1829	0.00%	0.001%
8	3.891	323	326	328	rBV2	424	417	0.00%	0.000%
9	3.916	328	330	333	rVB3	573	533	0.00%	0.000%
10	4.025	333	348	361	rBV2	166813	523955	0.35%	0.305%
11	4.257	384	386	390	rVB3	432	554	0.00%	0.000%
12	4.391	398	408	417	rBV	18310	56412	0.04%	0.033%
13	4.921	484	495	512	rVB2	11016	40381	0.03%	0.023%
14	5.110	523	526	528	rBV2	443	587	0.00%	0.000%
15	5.159	533	534	537	rVV3	487	549	0.00%	0.000%
16	5.196	537	540	541	rVV	544	537	0.00%	0.000%
17	5.214	541	543	544	rVV2	488	438	0.00%	0.000%
18	5.421	572	577	580	rVV3	1114	1873	0.00%	0.001%
19	5.446	580	581	585	rVV4	917	846	0.00%	0.000%
20	5.799	626	639	648	rVV4	4332	14267	0.01%	0.008%
21	5.940	654	662	673	rVB6	2338	7670	0.01%	0.004%
22	6.263	713	715	719	rBV2	243	408	0.00%	0.000%
23	6.342	725	728	732	rBV2	419	569	0.00%	0.000%
24	6.903	815	820	823	rBV3	1101	2167	0.00%	0.001%
25	6.982	829	833	835	rBV2	532	776	0.00%	0.000%
26	7.086	841	850	854	rBV	21924	55995	0.04%	0.033%
27	7.348	889	893	896	rVB3	291	397	0.00%	0.000%
28	7.433	905	907	910	rBV4	422	586	0.00%	0.000%
29	7.653	932	943	956	rBV	241563	587995	0.39%	0.342%
30	7.811	968	969	973	rBV3	295	389	0.00%	0.000%
31	7.958	985	993	999	rVB5	1293	3227	0.00%	0.002%
32	8.281	1032	1046	1063	rBV3	477015	1577971	1.05%	0.917%
33	8.439	1069	1072	1075	rBV4	500	523	0.00%	0.000%
34	8.555	1087	1091	1098	rVV4	1983	4709	0.00%	0.003%

LSC Area Percent Report

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Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

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_W\METHOD\SOM2WLM110420S.M
Title : VOC Analysis

35	8.701	1108	1115	1125	rBV7	1755	4738	0.00%	0.003%
36	8.848	1130	1139	1155	rBV	551082	1111456	0.74%	0.646%
37	9.098	1170	1180	1197	rBV	6054673	11830070	7.91%	6.877%
38	9.280	1202	1210	1220	rBV	281210	569729	0.38%	0.331%
39	9.421	1229	1233	1240	rVB4	1451	3049	0.00%	0.002%
40	9.518	1246	1249	1251	rBV4	567	775	0.00%	0.000%
41	9.652	1266	1271	1273	rBV2	533	736	0.00%	0.000%
42	9.750	1281	1287	1288	rBV4	824	842	0.00%	0.000%
43	9.896	1306	1311	1316	rVB5	2559	4766	0.00%	0.003%
44	9.963	1318	1322	1323	rBV3	663	710	0.00%	0.000%
45	10.036	1327	1334	1343	rVB	140830	257825	0.17%	0.150%
46	10.213	1358	1363	1368	rBV2	5903	10691	0.01%	0.006%
47	10.329	1374	1382	1389	rBV	663565	1170971	0.78%	0.681%
48	10.390	1389	1392	1402	rVB	28423	50568	0.03%	0.029%
49	10.585	1416	1424	1432	rBV	79443	143428	0.10%	0.083%
50	10.719	1440	1446	1454	rBV	32588	58645	0.04%	0.034%
51	10.872	1461	1471	1478	rBV3	45379758	149628862	100.00%	86.983%
52	11.445	1560	1565	1572	rVB2	19108	35454	0.02%	0.021%
53	11.640	1589	1597	1606	rBV	594358	1027514	0.69%	0.597%
54	11.731	1608	1612	1618	rVB	16616	28660	0.02%	0.017%
55	11.841	1625	1630	1640	rVB	23321	47998	0.03%	0.028%
56	12.115	1674	1675	1676	rBV	908	520	0.00%	0.000%
57	12.170	1679	1684	1691	rVB	13590	23586	0.02%	0.014%
58	12.347	1709	1713	1717	rBV5	4477	6213	0.00%	0.004%
59	12.469	1729	1733	1742	rVB2	6376	10161	0.01%	0.006%
60	12.609	1750	1756	1762	rVB	64974	107184	0.07%	0.062%
61	12.694	1764	1770	1778	rVB2	150438	244350	0.16%	0.142%
62	12.749	1778	1779	1780	rBV	1120	691	0.00%	0.000%
63	12.810	1784	1789	1793	rVB	12495	20213	0.01%	0.012%
64	12.871	1793	1799	1802	rBV	41273	68227	0.05%	0.040%
65	12.944	1807	1811	1820	rVV2	47740	81872	0.05%	0.048%
66	13.042	1823	1827	1831	rBV6	2588	3107	0.00%	0.002%
67	13.109	1832	1838	1842	rVB	21368	35143	0.02%	0.020%
68	13.194	1845	1852	1855	rBV6	2545	5526	0.00%	0.003%
69	13.255	1856	1862	1867	rVV	119613	190504	0.13%	0.111%
70	13.298	1867	1869	1876	rVB2	13439	15589	0.01%	0.009%
71	13.389	1877	1884	1889	rVV6	5432	15426	0.01%	0.009%

LSC Area Percent Report

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Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

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_W\METHOD\SOM2WLM110420S.M
Title : VOC Analysis

72	13.444	1889	1893	1897	rVV2	8074	13437	0.01%	0.008%
73	13.499	1898	1902	1906	rVV	8119	11852	0.01%	0.007%
74	13.560	1906	1912	1924	rVV2	424318	796148	0.53%	0.463%
75	13.652	1924	1927	1933	rVB5	2717	4516	0.00%	0.003%
76	13.719	1934	1938	1940	rBV2	8865	12745	0.01%	0.007%
77	13.755	1940	1944	1947	rVV3	31010	55053	0.04%	0.032%
78	13.792	1947	1950	1954	rVV2	33785	58181	0.04%	0.034%
79	13.859	1954	1961	1972	rVV	324238	588424	0.39%	0.342%
80	13.950	1972	1976	1981	rVB	12947	19913	0.01%	0.012%
81	14.011	1981	1986	1988	rBV2	20399	29879	0.02%	0.017%
82	14.042	1988	1991	1994	rVV	22368	39837	0.03%	0.023%
83	14.097	1998	2000	2005	rVV	35346	44565	0.03%	0.026%
84	14.164	2007	2011	2013	rVV2	3444	5355	0.00%	0.003%
85	14.206	2013	2018	2023	rVB2	20038	32728	0.02%	0.019%
86	14.341	2035	2040	2046	rVB2	13576	23942	0.02%	0.014%
87	14.420	2048	2053	2056	rVV	17767	27747	0.02%	0.016%
88	14.456	2056	2059	2064	rVV	27180	38850	0.03%	0.023%
89	14.505	2064	2067	2071	rVV5	1789	2196	0.00%	0.001%
90	14.688	2093	2097	2101	rBV2	7669	11976	0.01%	0.007%
91	14.798	2109	2115	2123	rBV3	16558	38088	0.03%	0.022%
92	14.871	2125	2127	2130	rVB4	683	549	0.00%	0.000%
93	14.956	2137	2141	2146	rBV7	3004	5139	0.00%	0.003%
94	15.072	2157	2160	2165	rBV4	1164	1591	0.00%	0.001%
95	15.365	2204	2208	2213	rBV	5779	9864	0.01%	0.006%
96	15.438	2217	2220	2225	rVB2	5998	8144	0.01%	0.005%
97	15.529	2234	2235	2240	rVB3	853	745	0.00%	0.000%
98	15.773	2270	2275	2277	rBV6	1600	2790	0.00%	0.002%
99	15.962	2304	2306	2309	rBV3	608	622	0.00%	0.000%
100	16.438	2382	2384	2387	rVB3	753	457	0.00%	0.000%

Sum of corrected areas: 172019995

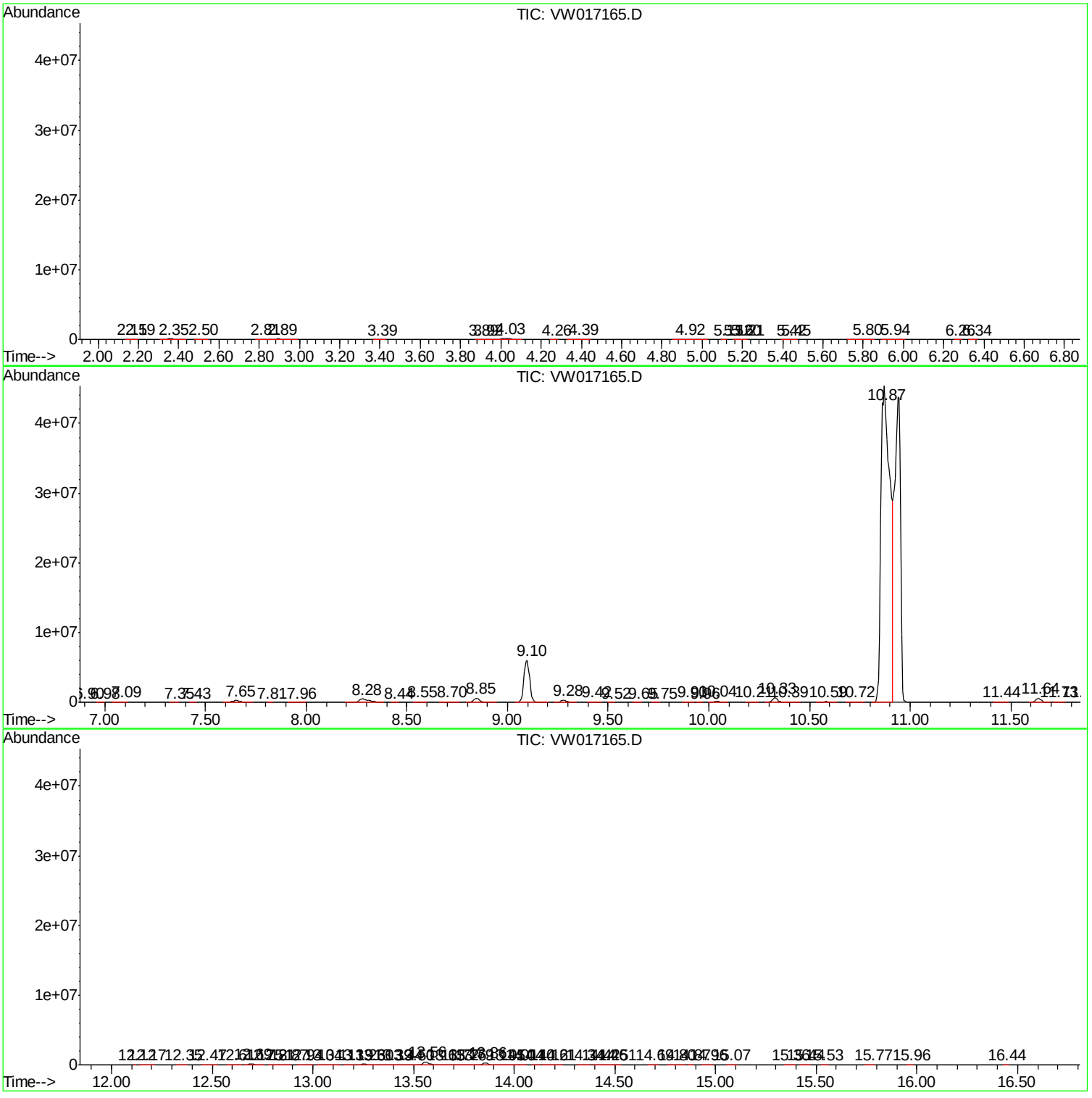
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.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 W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

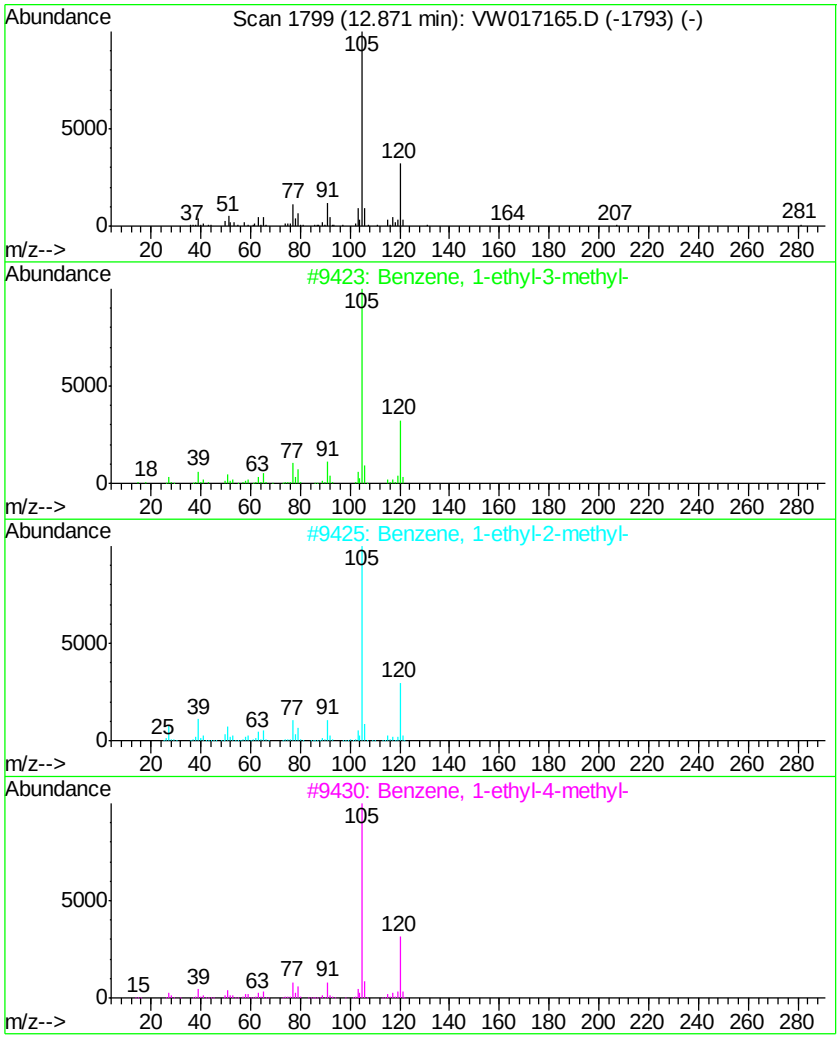
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

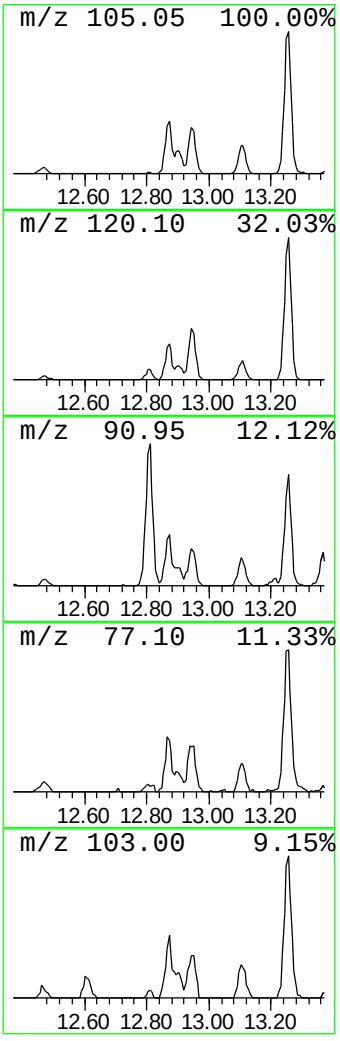
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.14 ug/L	68227	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

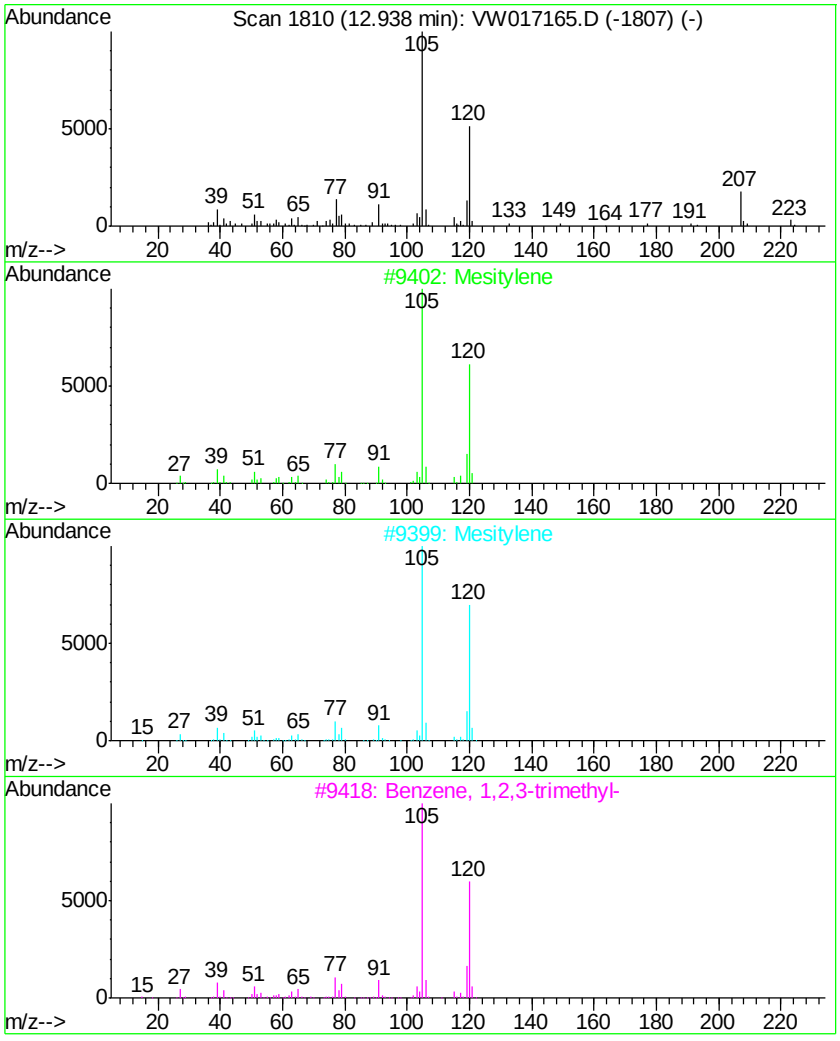
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

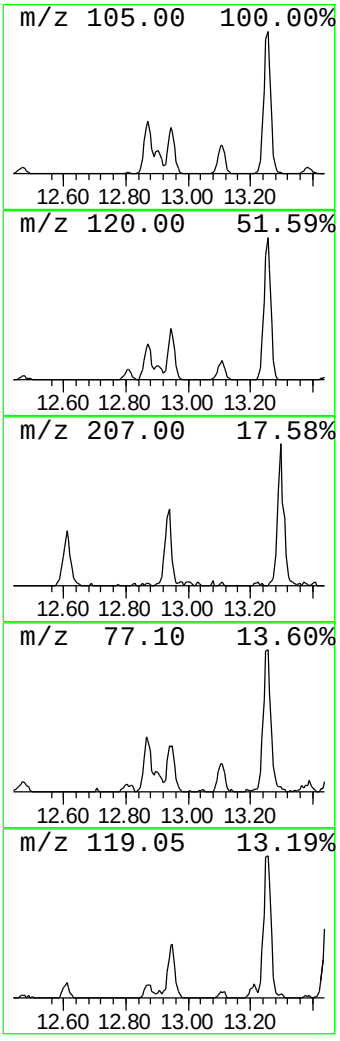
****

Peak Number 5 Mesitylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.57 ug/L	81872	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Mesitylene	120	C9H12	000108-67-8	93





Library Search Compound Report

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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

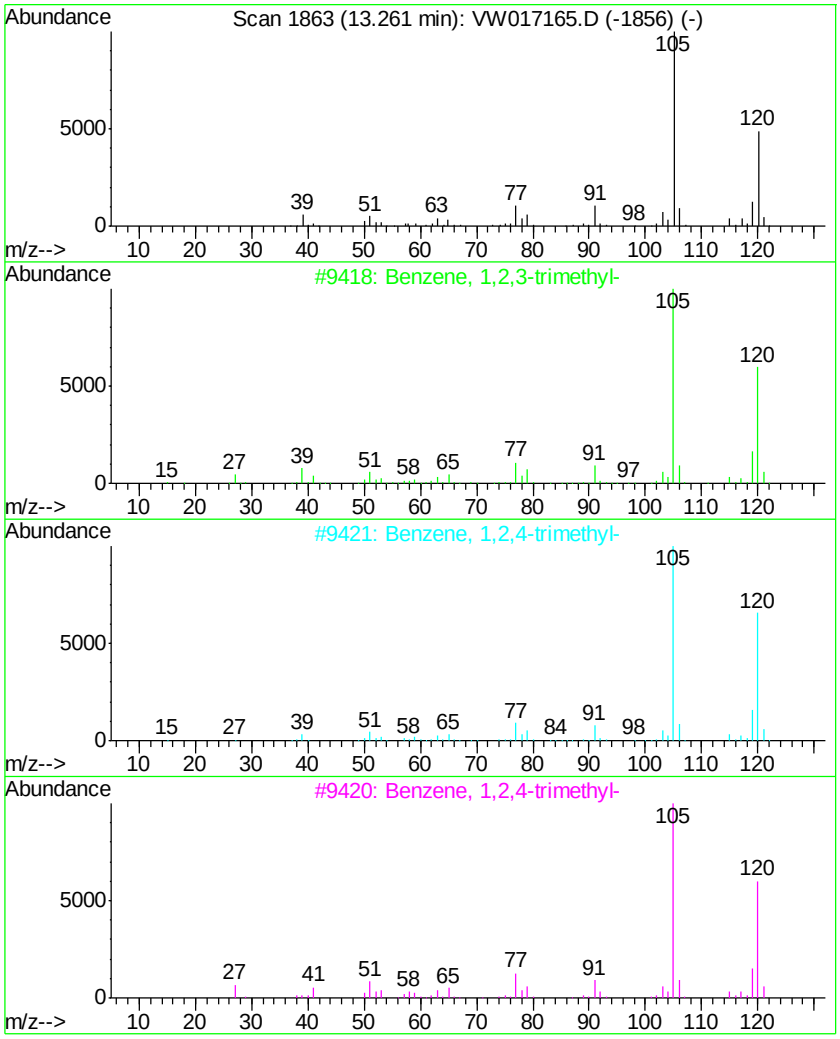
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

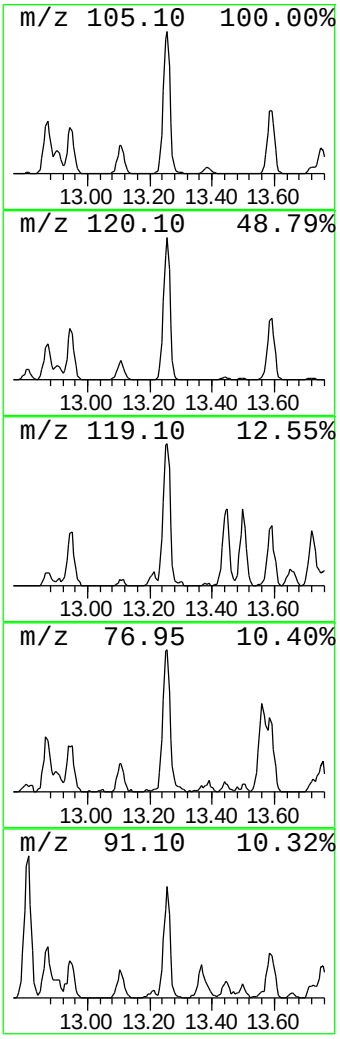
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.98 ug/L	190504	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

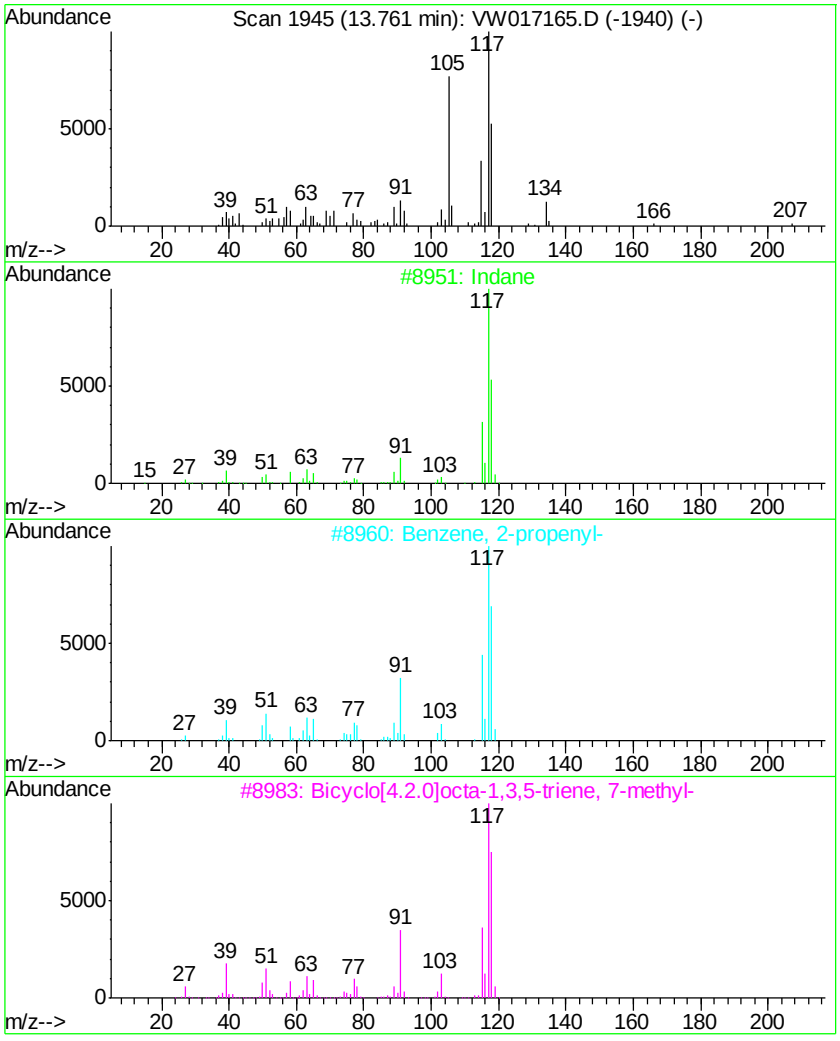
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

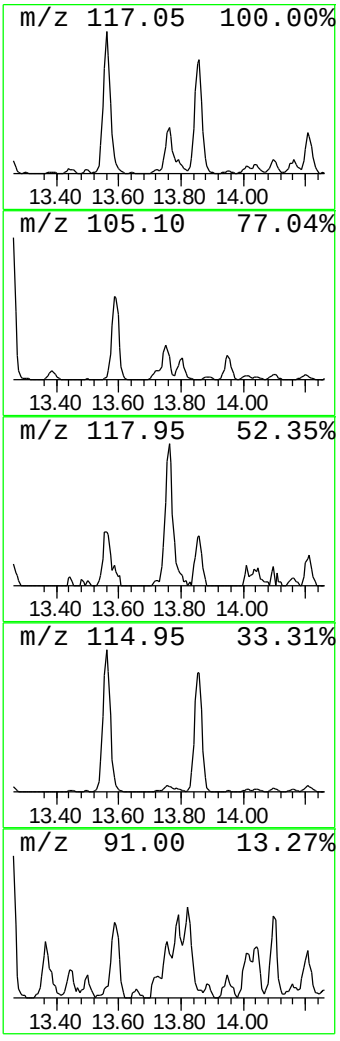
****

Peak Number 7 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.73 ug/L	55053	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	60
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	49
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	49
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	49





Library Search Compound Report

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Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

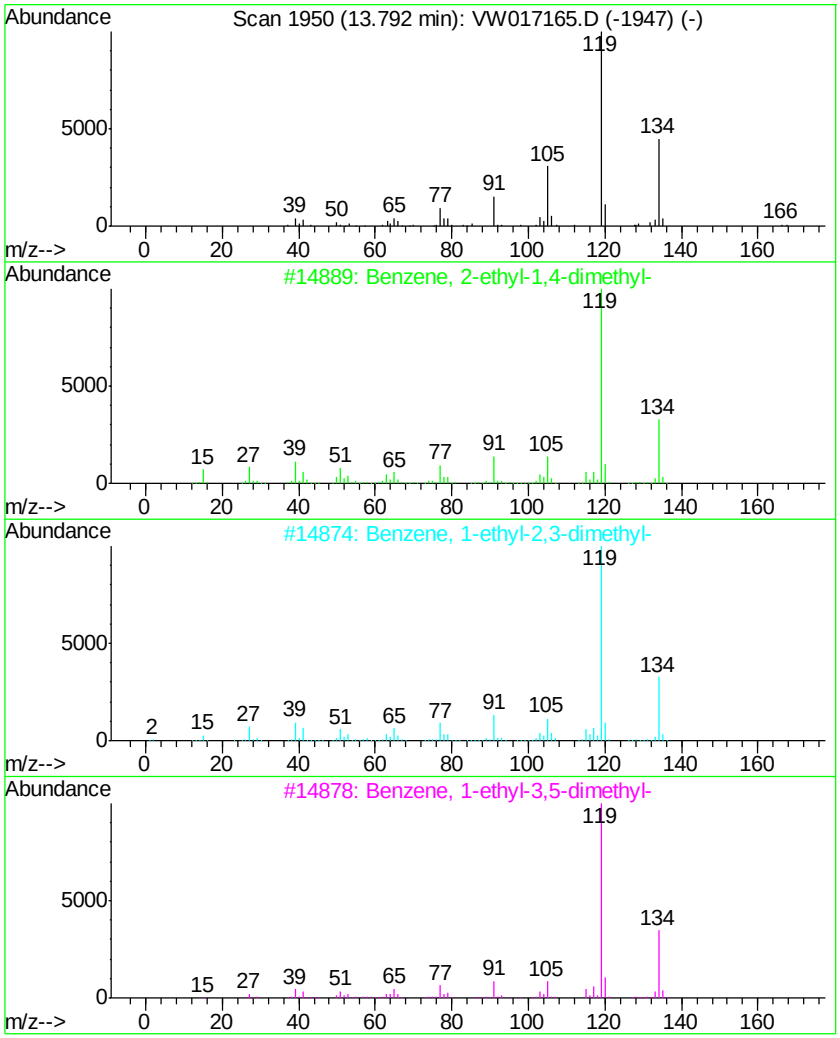
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

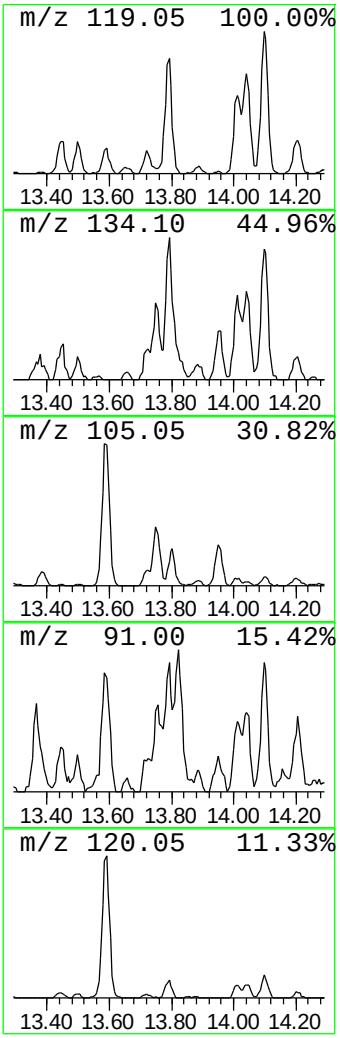
****

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	1.83 ug/L	58181	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

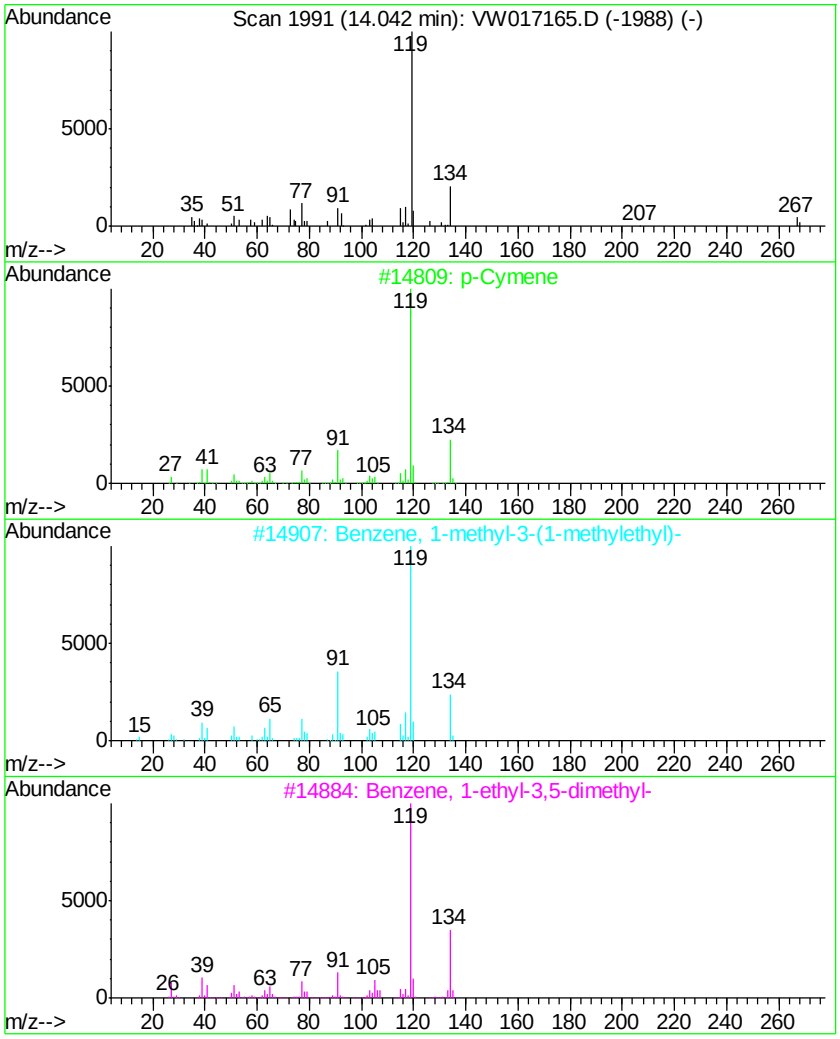
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

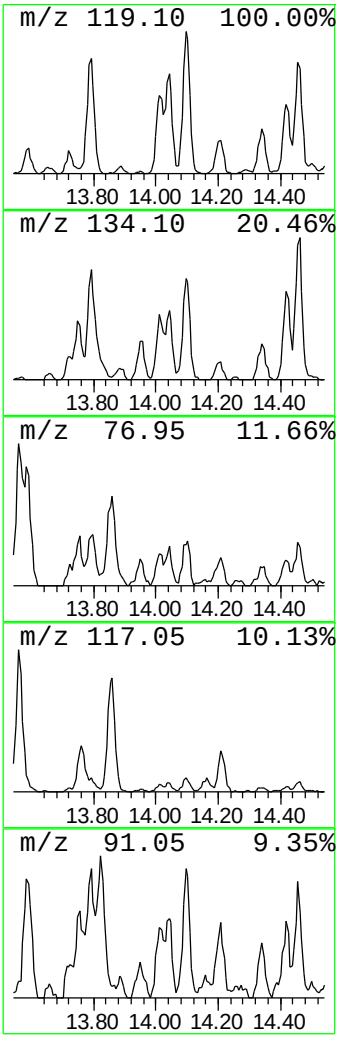
****

Peak Number 9 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	1.25 ug/L	39837	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	86
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	80
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	80
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

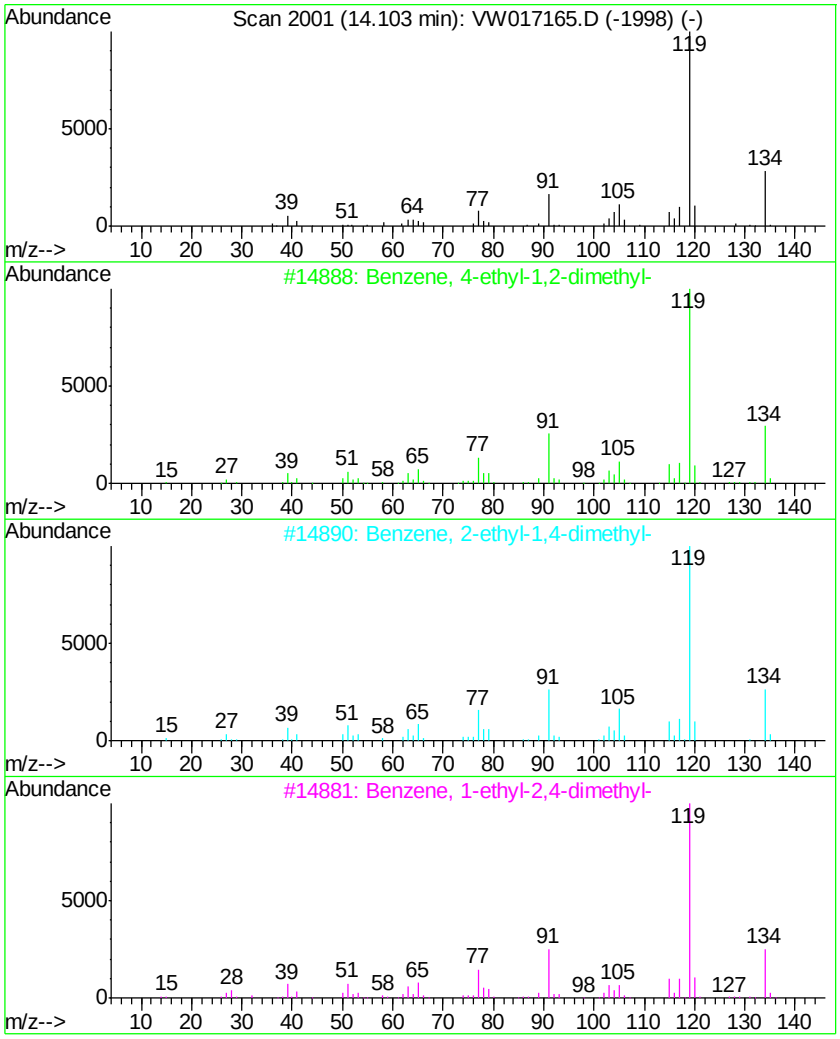
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

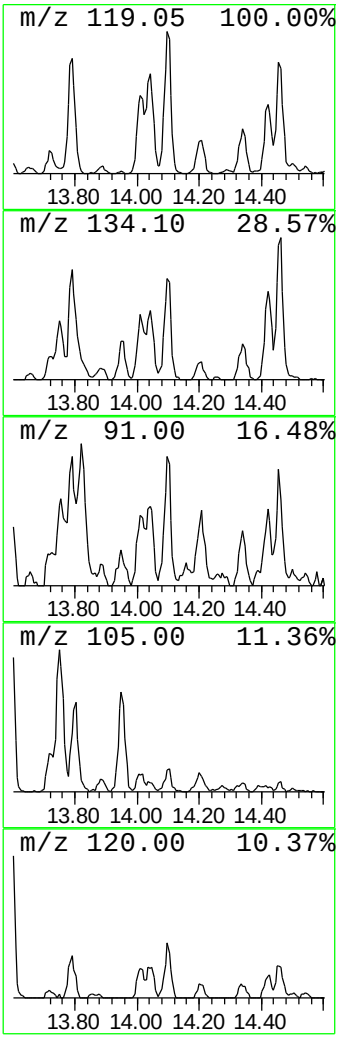
****

Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	1.40 ug/L	44565	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111120\
Data File : VW017165.D
Acq On : 11 Nov 2020 15:48
Operator : SY/VA
Sample : L4693-08
Misc : 5.60G/10ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG4D8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.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-...	12.87	2.1	ug/L	68227	3	13.56	796148	25.0
Mesitylene	12.94	2.6	ug/L	81872	3	13.56	796148	25.0
Benzene, 1,2,3-tr...	13.26	6.0	ug/L	190504	3	13.56	796148	25.0
Indane	13.76	1.7	ug/L	55053	3	13.56	796148	25.0
Benzene, 2-ethyl-...	13.79	1.8	ug/L	58181	3	13.56	796148	25.0
p-Cymene	14.04	1.3	ug/L	39837	3	13.56	796148	25.0
Benzene, 4-ethyl-...	14.10	1.4	ug/L	44565	3	13.56	796148	25.0