LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

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\SOM2WLM072020S.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	2.087	28	30	33	rBV2	526	374	0.01%	0.003%
2	2.239	44	55	58	rBV2	13899	52816	1.02%	0.377%
3	2.355	69	74	84	rVB	44917	88157	1.70%	0.629%
4	2.891	157	162	177	rVB	36120	92042	1.77%	0.656%
5	4.007	334	345	360	rBV	97151	295238	5.69%	2.105%
6	4.915	486	494	503	rBV4	2604	8607	0.17%	0.061%
7	5.373	567	569	572	rVV4	252	350	0.01%	0.002%
8	5.452	580	582	585	rBV3	297	447	0.01%	0.003%
9	5.671	615	618	621	rVB3	426	529	0.01%	0.004%
10	5.714	621	625	627	rBV3	241	328	0.01%	0.002%
11	5.934	655	661	670	rVB6	1121	2880	0.06%	0.021%
12	6.689	784	785	788	rBV3	339	439	0.01%	0.003%
13	6.757	794	796	800	rVB2	289	303	0.01%	0.002%
14	7.086	840	850	858	rBV	23643	70237	1.35%	0.501%
15	7.281	880	882	885	rVB3	304	386	0.01%	0.003%
16	7.519	920	921	925	rVV3	222	311	0.01%	0.002%
17	7.653	927	943	956	rVV	152446	377078	7.26%	2.689%
18	7.945	986	991	999	rBV3	1112	2404	0.05%	0.017%
19	8.275	1036	1045	1064	rBV2	303372	888882	17.12%	6.338%
20	8.500	1077	1082	1084	rVV3	302	381	0.01%	0.003%
21	8.677	1109	1111	1112	rBV2	367	325	0.01%	0.002%
22	8.842	1130	1138	1149	rVV	343098	694548	13.38%	4.953%
23	8.945	1153	1155	1158	rVB3	416	426	0.01%	0.003%
24	9.037	1167	1170	1171	rBV	637	534	0.01%	0.004%
25	9.091	1172	1179	1187	rVB3	22778	48292	0.93%	0.344%
26	9.146	1187	1188	1191	rBV2	393	335	0.01%	0.002%
27	9.274	1200	1209	1228	rBV	202504	421096	8.11%	3.003%
28	9.524	1248	1250	1252	rVB2	402	343	0.01%	0.002%
29	9.561	1254	1256	1259	rBV2	302	312	0.01%	0.002%
30	9.628	1264	1267	1268	rBV3	347	424	0.01%	0.003%
31	9.665	1268	1273	1280	rVB4	1318	2742	0.05%	0.020%
32	9.872	1305	1307	1310	rBV5	277	327	0.01%	0.002%
33	10.036	1327	1334	1343	rBV	104819	186705	3.60%	1.331%
34	10.140	1350	1351	1352	rVB	1074	393	0.01%	0.003%

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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Title : VOC Analysis

35	10.274	1371	1373	1374	rBV2	929	561	0.01%	0.004%
36	10.323	1374	1381	1391	rVV	415844	754023	14.52%	5.377%
37	10.579	1417	1423	1437	rVB	67535	126146	2.43%	0.900%
38	10.707	1439	1444	1450	rBV2	5499	10080	0.19%	0.072%
39	10.866	1461	1470	1476	rBV	3032601	5192187	100.00%	37.024%
40	10.927	1476	1480	1494	rVB	100726	181558	3.50%	1.295%
41	11.634	1588	1596	1607	rBV	430432	737383	14.20%	5.258%
42	11.847	1625	1631	1632	rVV6	939	1565	0.03%	0.011%
43	11.939	1641	1646	1652	rBV10	2261	5243	0.10%	0.037%
44	12.012	1656	1658	1661	rVB3	543	518	0.01%	0.004%
45	12.109	1673	1674	1677	rVV3	583	607	0.01%	0.004%
46	12.134	1677	1678	1681	rVV3	753	696	0.01%	0.005%
47	12.176	1684	1685	1692	rVB4	658	894	0.02%	0.006%
48	12.237	1692	1695	1696	rBV3	419	473	0.01%	0.003%
49	12.353	1709	1714	1723	rVB5	4929	11969	0.23%	0.085%
50	12.432	1725	1727	1729	rVV3	1232	1180	0.02%	0.008%
51	12.475	1730	1734	1740	rVV3	3522	6303	0.12%	0.045%
52	12.524	1740	1742	1745	rVV4	1120	1687	0.03%	0.012%
53	12.560	1745	1748	1751	rVV4	2348	3723	0.07%	0.027%
54	12.609	1751	1756	1764	rVV	27311	49343	0.95%	0.352%
55	12.695	1764	1770	1781	rVB	159946	265785	5.12%	1.895%
56	12.780	1781	1784	1790	rVB5	1776	2943	0.06%	0.021%
57	12.865	1794	1798	1801	rBV5	2638	4780	0.09%	0.034%
58	12.908	1801	1805	1811	rVV7	4996	11675	0.22%	0.083%
59	12.969	1812	1815	1821	rVB	5587	9159	0.18%	0.065%
60	13.060	1821	1830	1841	rBV4	23488	51008	0.98%	0.364%
61	13.170	1846	1848	1850	rBV3	529	467	0.01%	0.003%
62	13.255	1857	1862	1868	rBV3	5827	9246	0.18%	0.066%
63	13.359	1877	1879	1880	rBV2	523	406	0.01%	0.003%
64	13.402	1881	1886	1889	rVB4	4308	6323	0.12%	0.045%
65	13.469	1889	1897	1901	rBV	52351	102177	1.97%	0.729%
66	13.560	1906	1912	1921	rVB	380268	637172	12.27%	4.543%
67	13.719	1933	1938	1940	rBV3	16816	25680	0.49%	0.183%
68	13.749	1940	1943	1946	rVV2	40253	62513	1.20%	0.446%
69	13.792	1946	1950	1955	rVV2	66495	125859	2.42%	0.897%
70	13.853	1955	1960	1967	rVB	304940	510285	9.83%	3.639%
71	13.950	1972	1976	1981	rVV	34153	65815	1.27%	0.469%

LSC Area Percent Report

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ALS Vial : 7 Sample Multiplier: 1

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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 >
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Title : VOC Analysis

72	14.011	1982	1986	1988	rVV	49079	75672	1.46%	0.540%
73	14.042	1989	1991	1995	rVV	55423	83502	1.61%	0.595%
74	14.097	1996	2000	2007	rVB	124268	196467	3.78%	1.401%
75	14.225	2011	2021	2035	rBV5	215078	787563	15.17%	5.616%
76	14.334	2037	2039	2045	rVB	34448	50465	0.97%	0.360%
77	14.420	2048	2053	2056	rBV	87500	135268	2.61%	0.965%
78	14.456	2056	2059	2064	rVB	118551	174529	3.36%	1.245%
79	14.645	2086	2090	2092	rBV2	4188	5246	0.10%	0.037%
80	14.688	2092	2097	2102	rBV	45812	71675	1.38%	0.511%
81	14.804	2108	2116	2122	rBV3	75949	176701	3.40%	1.260%
82	15.072	2155	2160	2168	rVB2	3968	9475	0.18%	0.068%
83	15.255	2184	2190	2198	rBV8	3212	6462	0.12%	0.046%
84	15.371	2204	2209	2213	rBV2	3618	5686	0.11%	0.041%
85	15.438	2218	2220	2222	rBV3	454	397	0.01%	0.003%
86	15.493	2224	2229	2236	rBV	10041	18928	0.36%	0.135%
87	15.670	2255	2258	2262	rVB5	484	805	0.02%	0.006%
88	15.804	2274	2280	2285	rBV8	1504	2863	0.06%	0.020%
89	15.852	2285	2288	2289	rBV3	524	533	0.01%	0.004%
90	15.944	2299	2303	2304	rBV4	448	627	0.01%	0.004%
91	15.956	2304	2305	2306	rBV	597	342	0.01%	0.002%
92	16.078	2323	2325	2328	rBV4	383	436	0.01%	0.003%
93	16.133	2331	2334	2336	rVB2	575	607	0.01%	0.004%
94	16.151	2336	2337	2339	rBV2	561	517	0.01%	0.004%
95	16.304	2361	2362	2364	rBV2	350	303	0.01%	0.002%
96	16.438	2381	2384	2386	rVB2	655	614	0.01%	0.004%
97	16.493	2391	2393	2396	rVB3	483	612	0.01%	0.004%
98	16.596	2408	2410	2412	rBV3	375	316	0.01%	0.002%
99	16.621	2412	2414	2416	rBV3	341	371	0.01%	0.003%
100	16.767	2436	2438	2441	rVB4	560	544	0.01%	0.004%

Sum of corrected areas: 14023949

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
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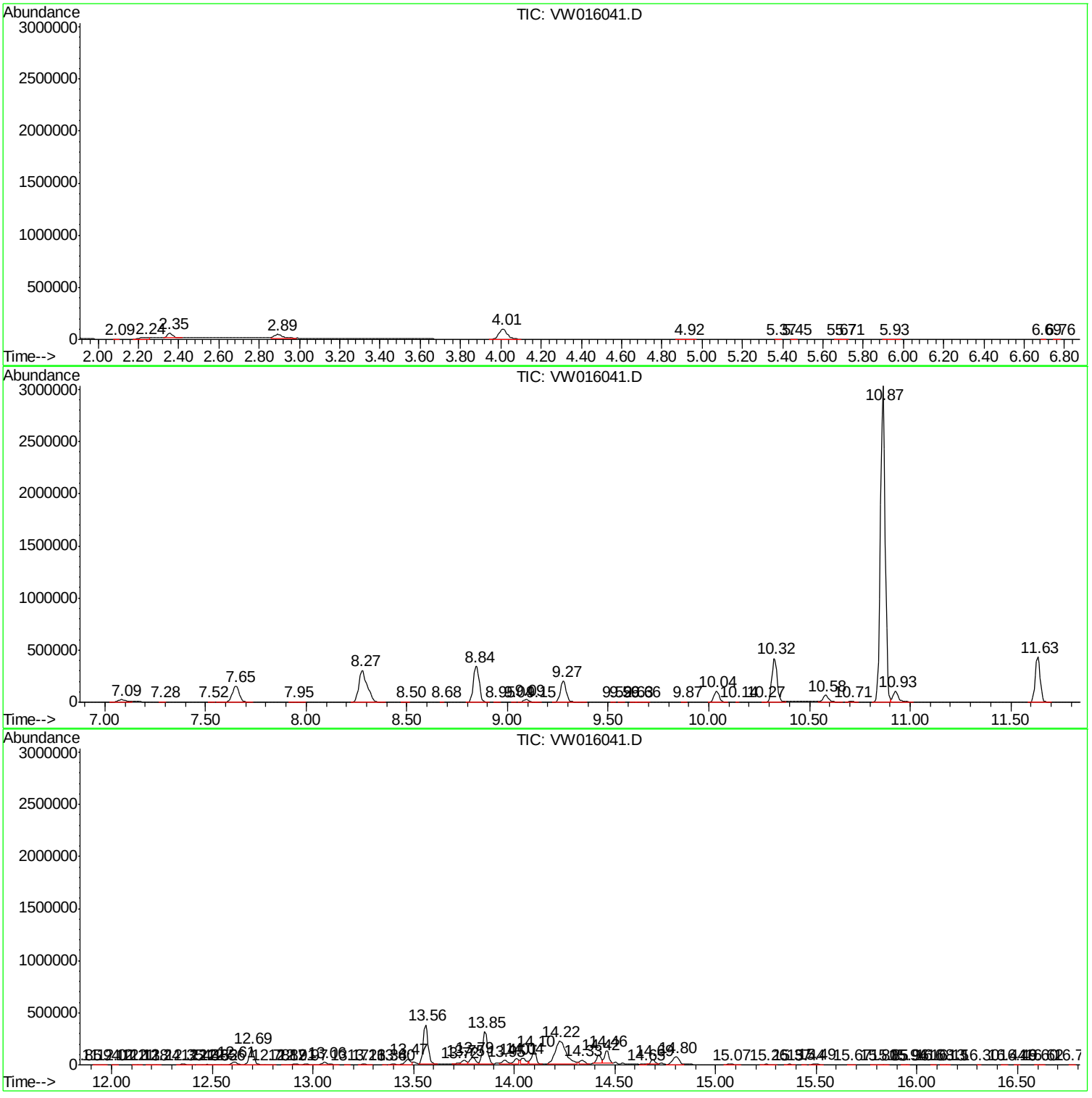
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
Data File : VW016041.D
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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

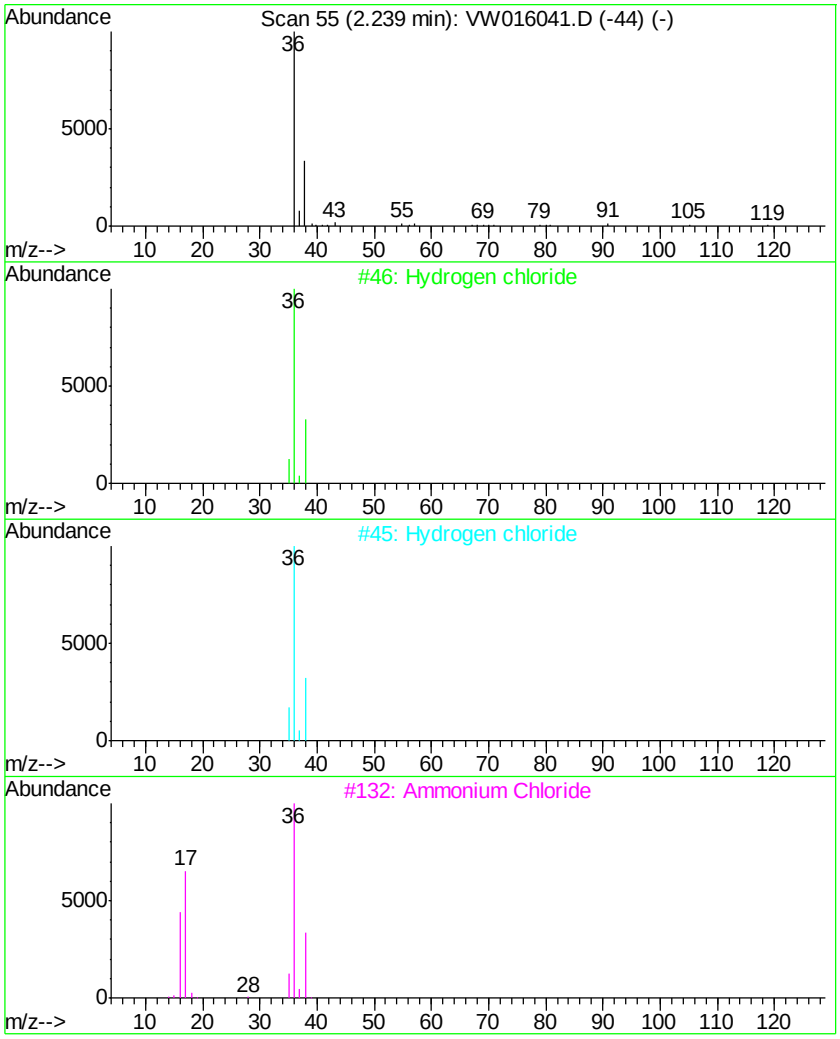
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

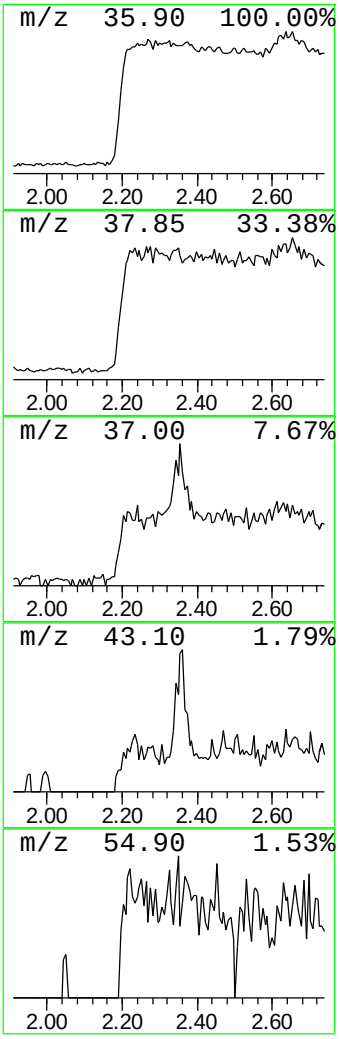
****

Peak Number 1 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	1.90 ug/L	52816	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen chloride	36	ClH	007647-01-0	9
2	Hydrogen chloride	36	ClH	007647-01-0	9
3	Ammonium Chloride	53	ClH4N	012125-02-9	4
4	Methanol-D4	36	CD4O	000811-98-3	2
5	2-Chloroethylamine	79	C2H6ClN	000689-98-5	1





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
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Operator : SY/VA
Sample : L3564-03
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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

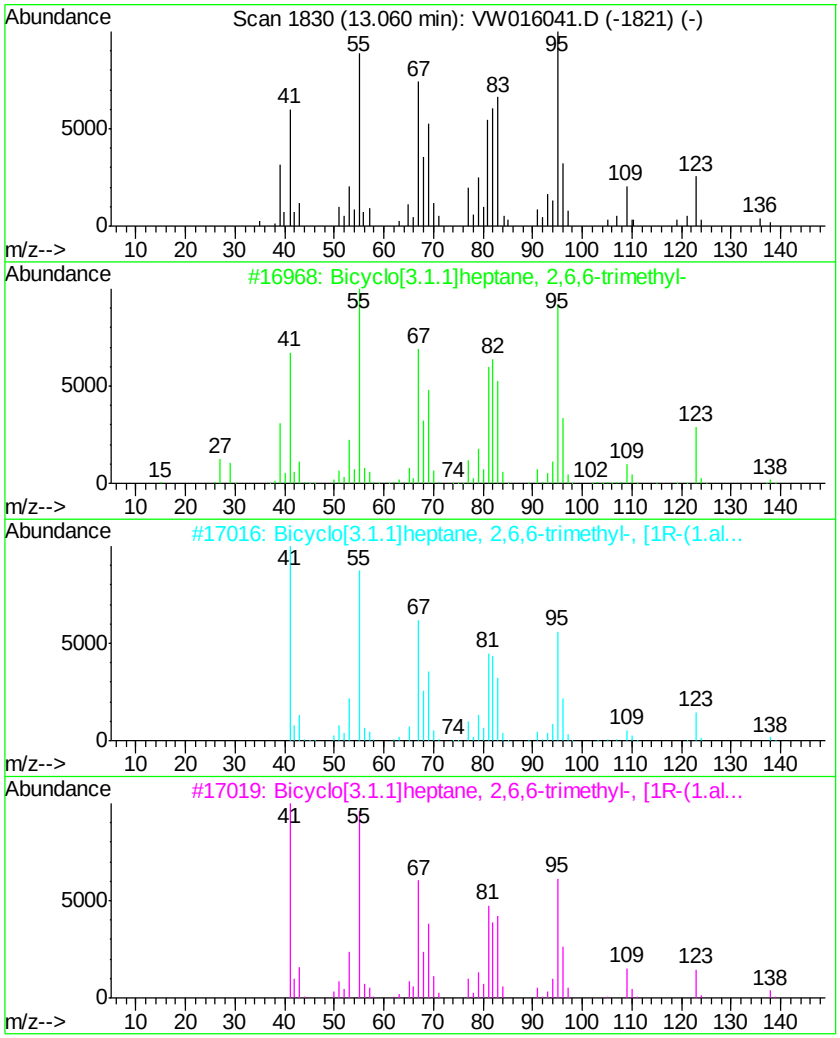
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

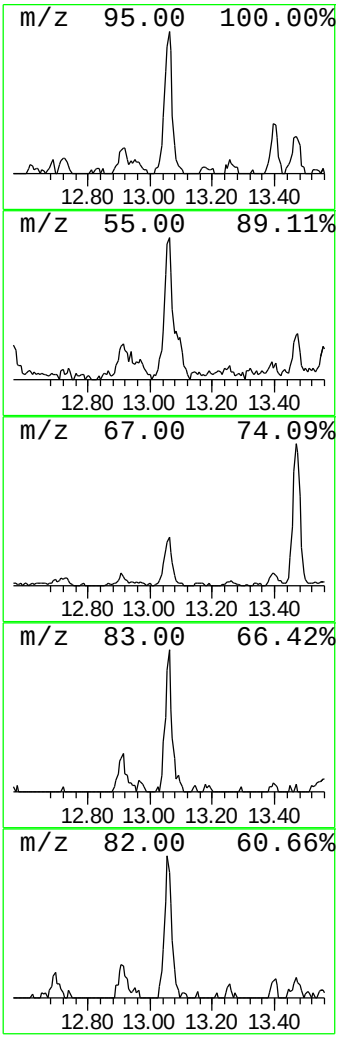
****

Peak Number 4 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.00 ug/L	51008	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	98
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	87
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	86
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	72
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	70





Library Search Compound Report

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
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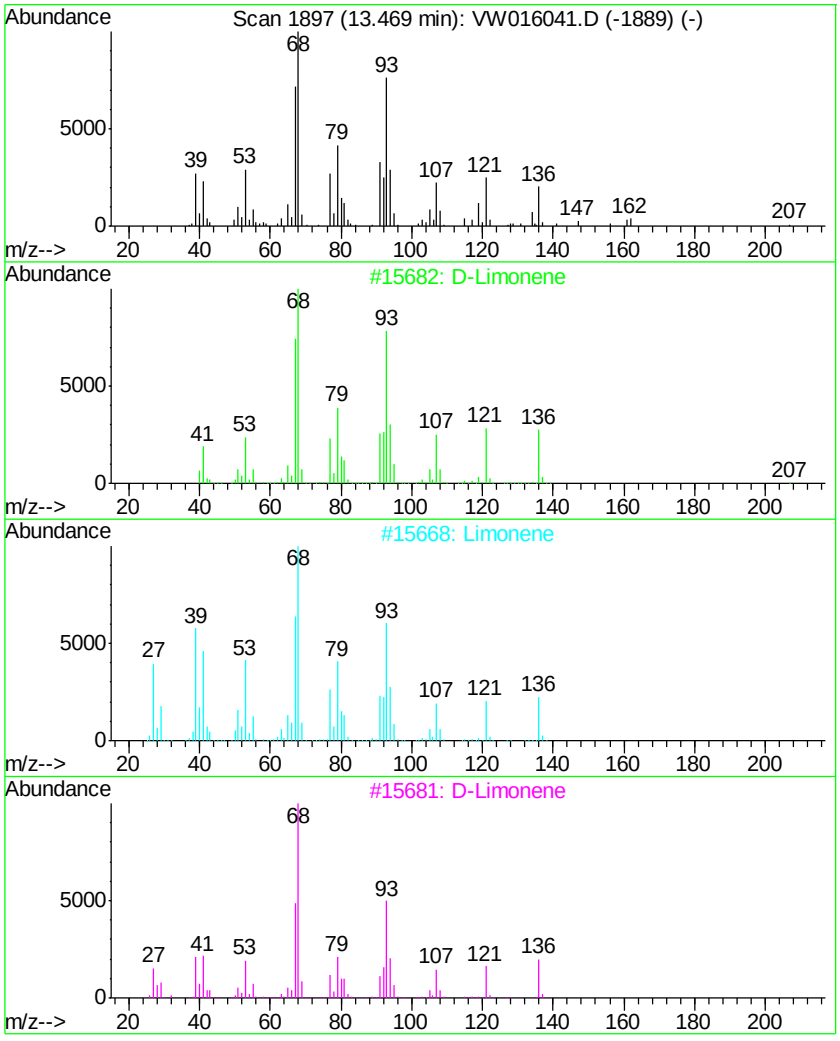
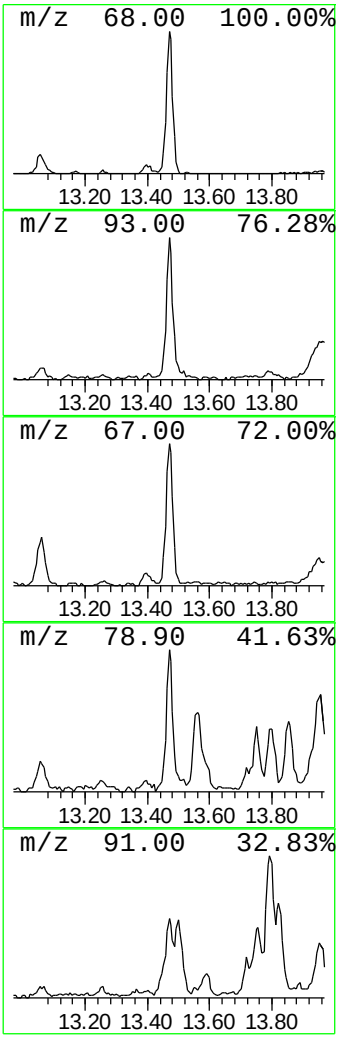
Peak Number 5 D-Limonene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	4.01 ug/L	102177	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	Limonene	136	C10H16	000138-86-3	94
3	D-Limonene	136	C10H16	005989-27-5	90
4	Limonene	136	C10H16	000138-86-3	90
5	D-Limonene	136	C10H16	005989-27-5	90





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

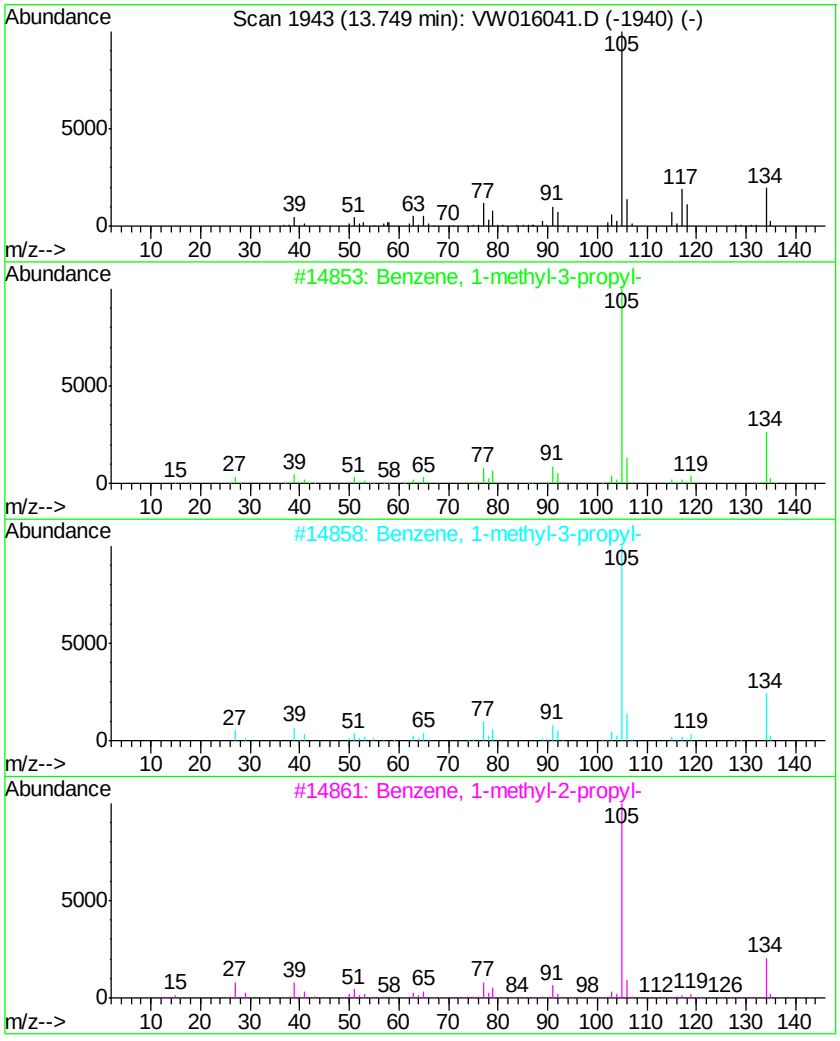
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

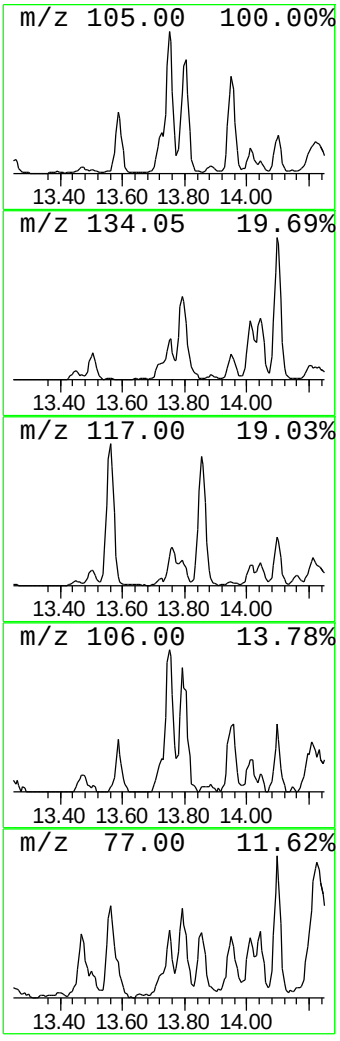
****

Peak Number 6 Benzene, 1-methyl-3-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.45 ug/L	62513	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	76
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	76
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	70
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	62





Library Search Compound Report

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Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

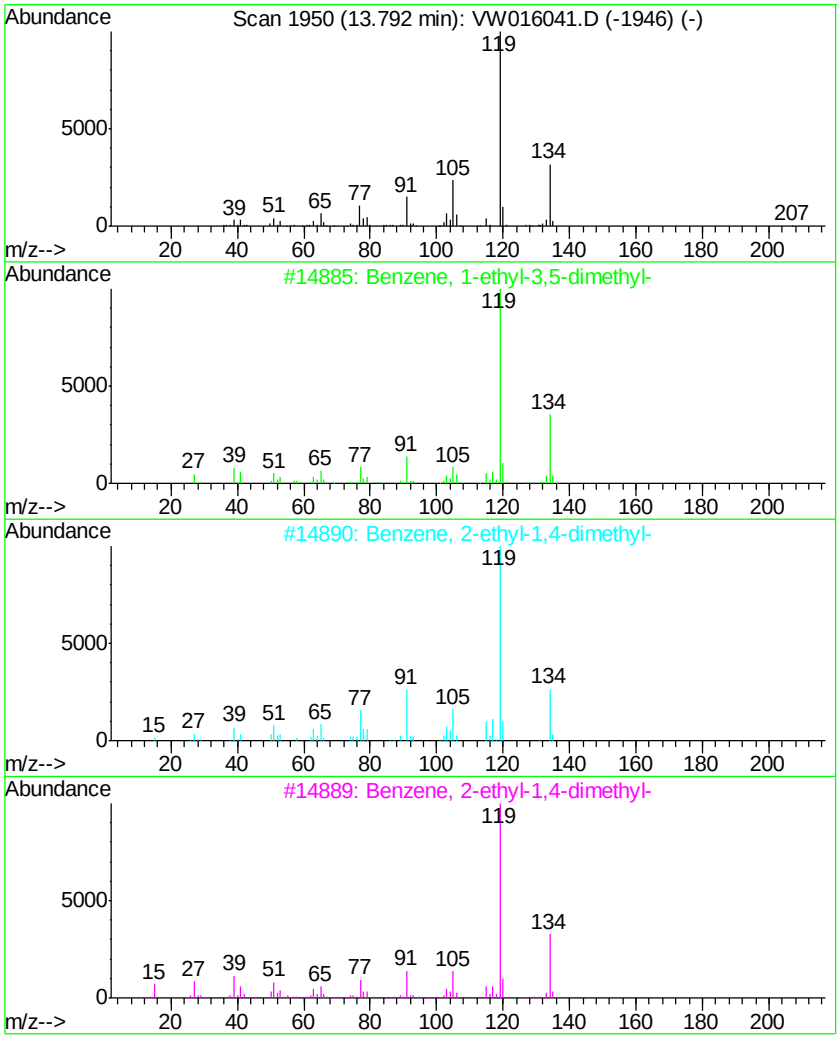
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

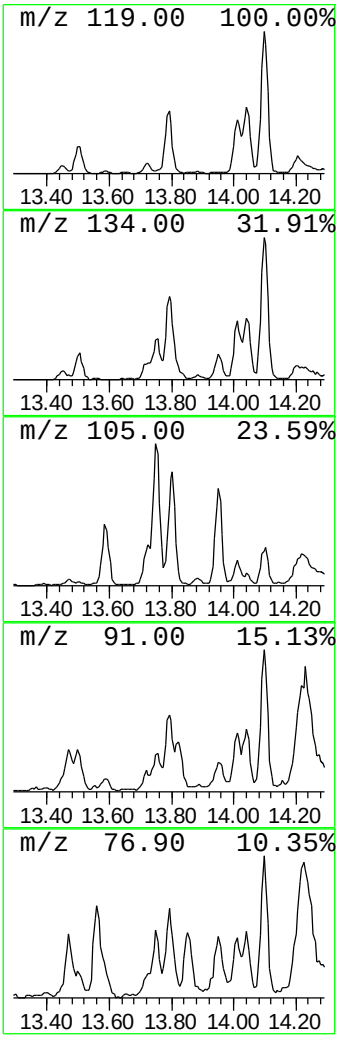
****

Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.94 ug/L	125859	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83





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Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

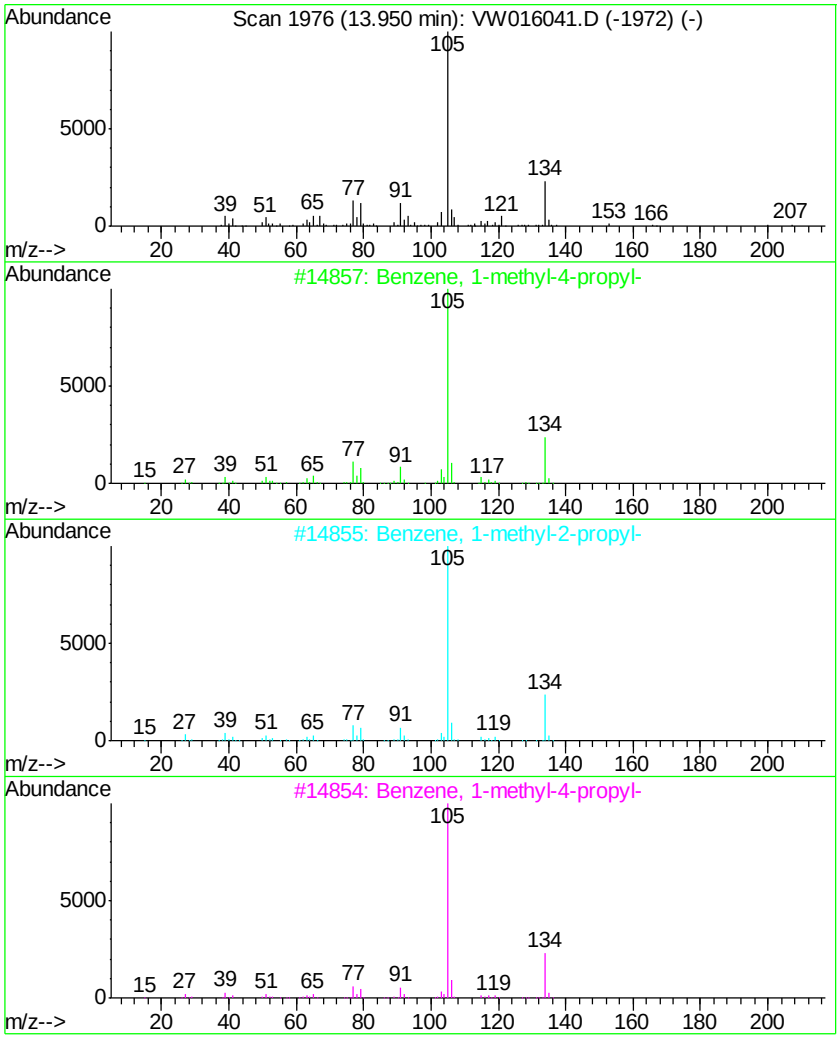
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

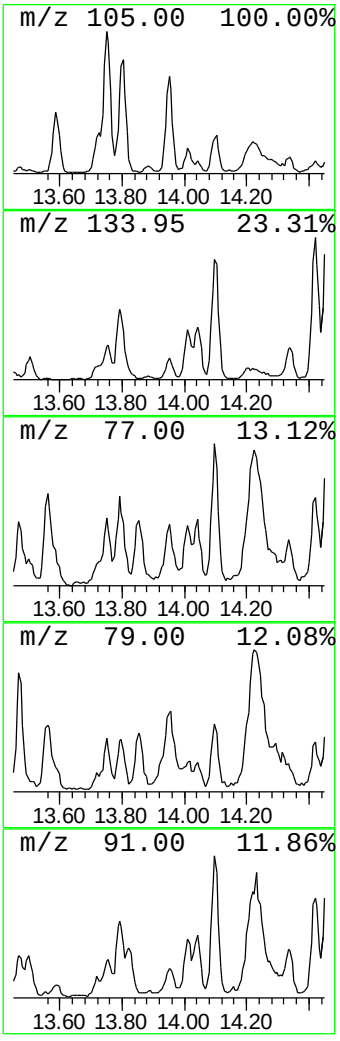
****

Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.58 ug/L	65815	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
5	2-Tolyloxirane	134	C9H10O	002783-26-8	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

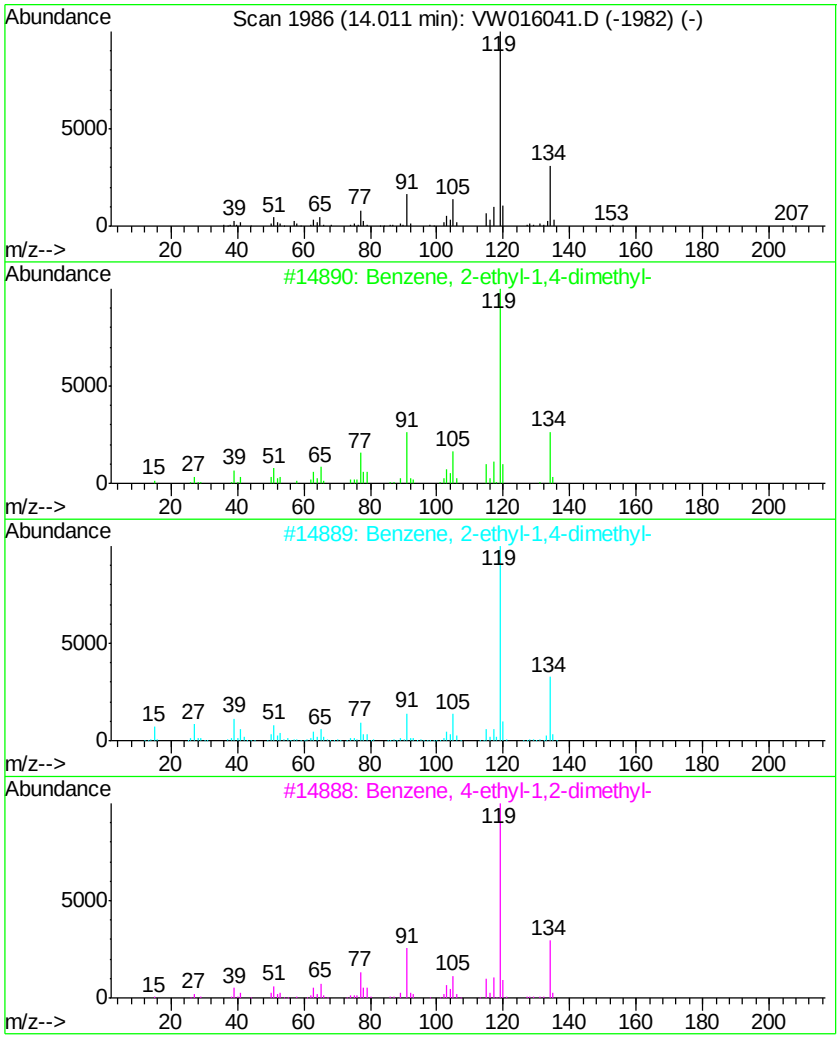
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

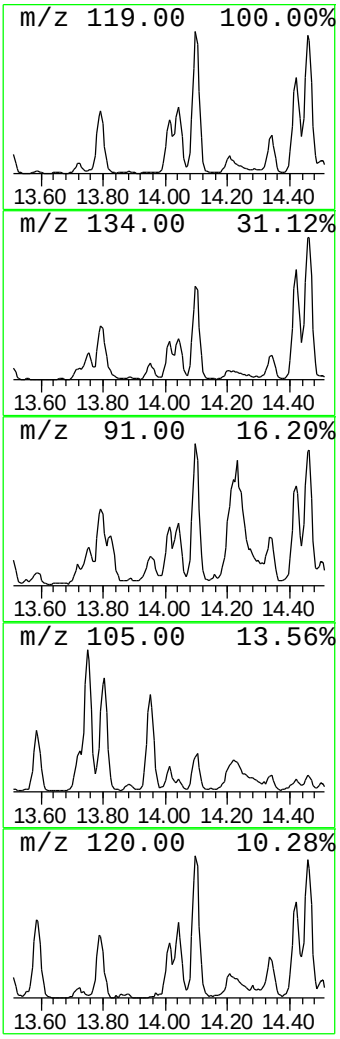
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.97 ug/L	75672	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	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

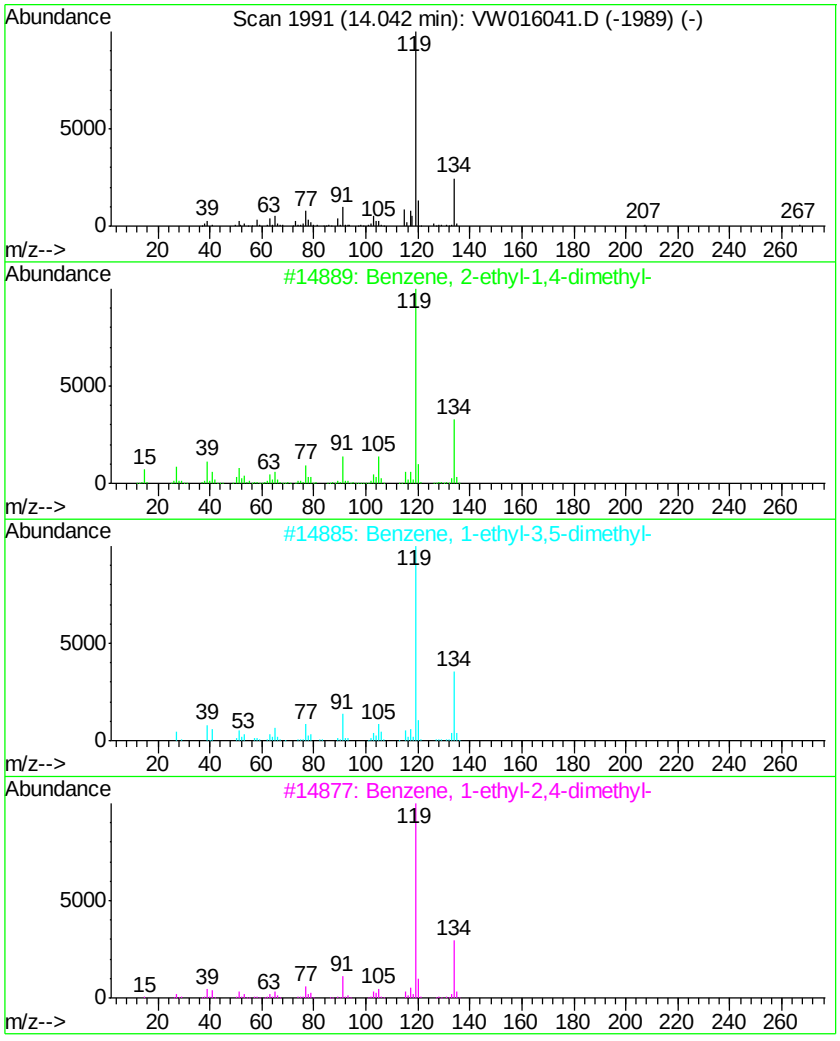
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

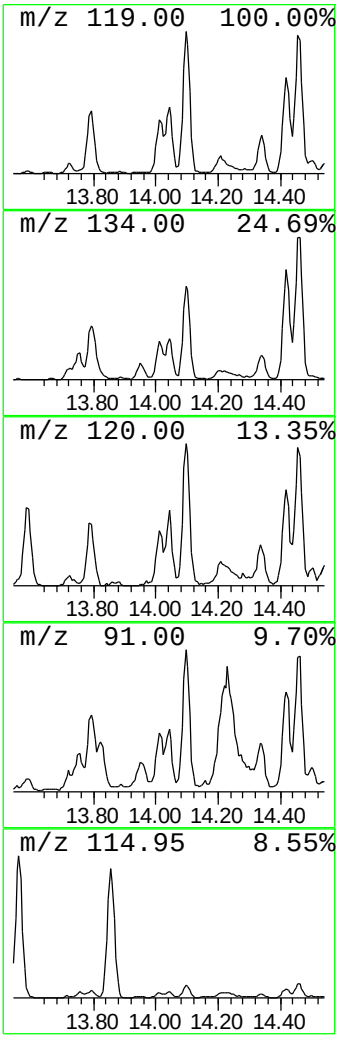
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.28 ug/L	83502	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	87
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

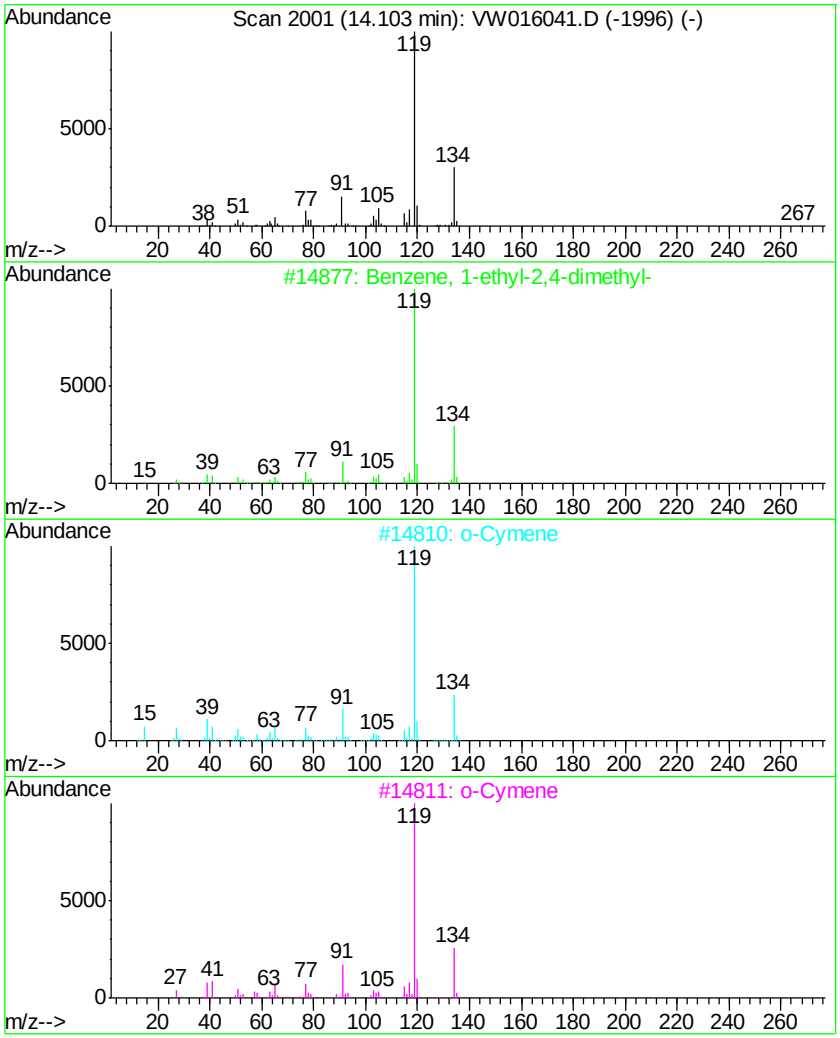
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

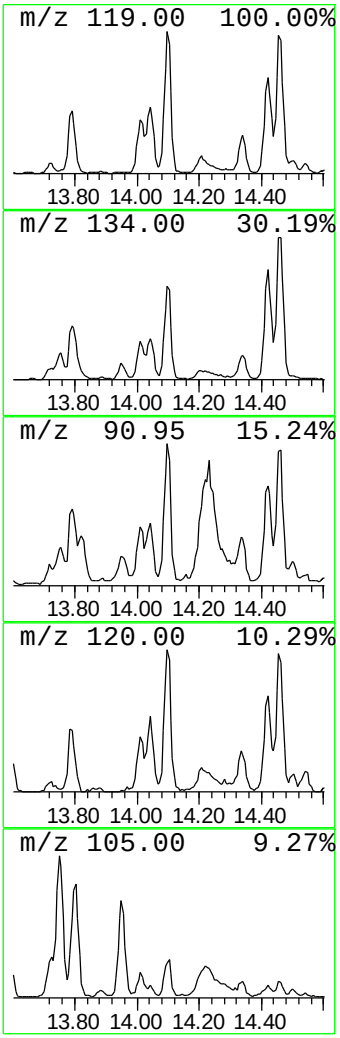
****

Peak Number 11 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	7.71 ug/L	196467	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
5	p-Cymene	134	C10H14	000099-87-6	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

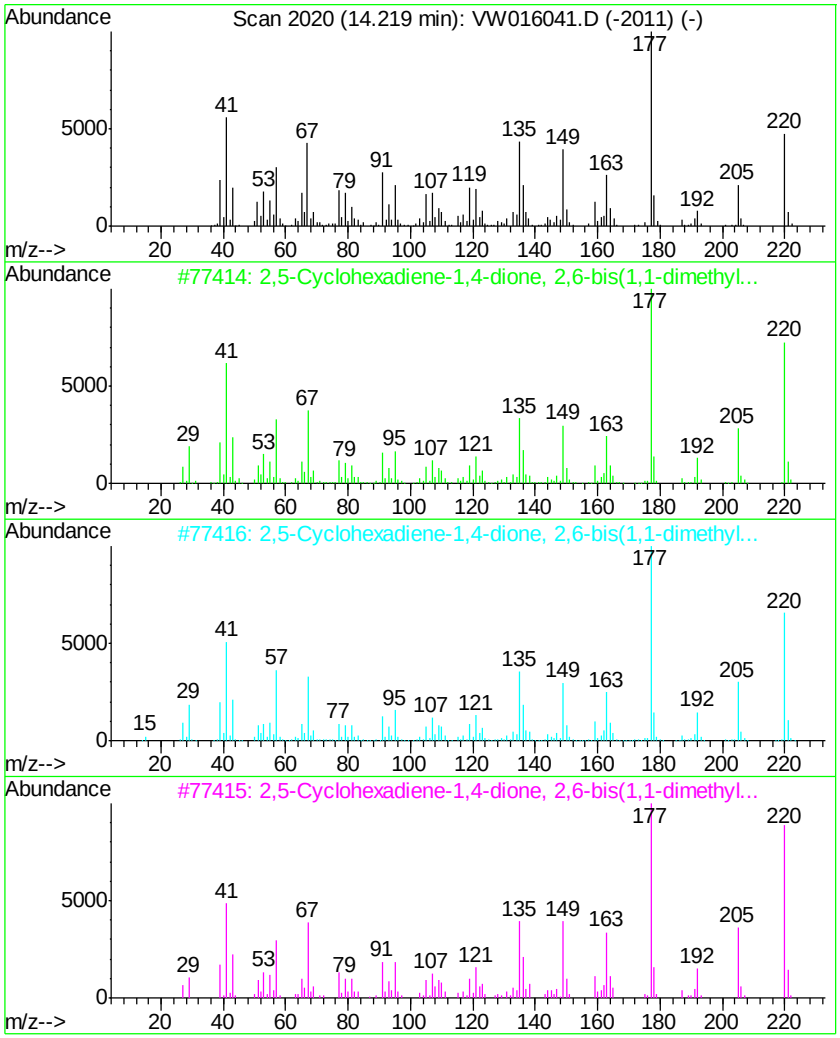
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

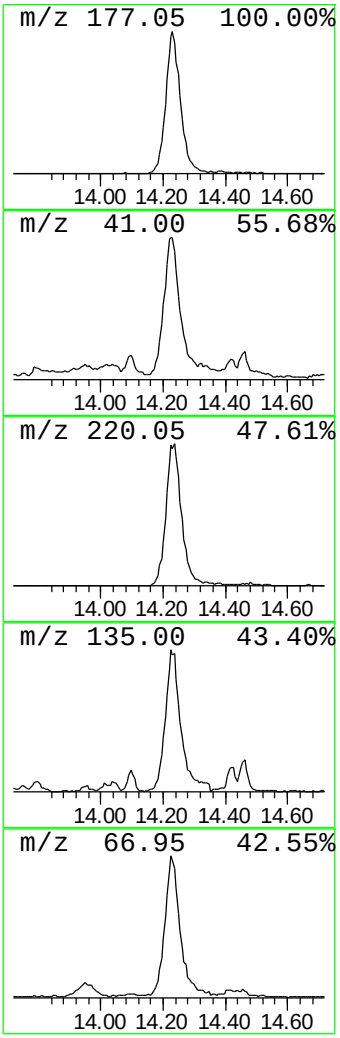
****

Peak Number 12 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	30.90 ug/L	787563	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	99
2	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	98
3	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	97
4	trans-.beta.-Ionone	192	C13H20O	000079-77-6	38
5	2-Butanone, 3-(4-tert-butylpheno...	220	C14H20O2	160875-28-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

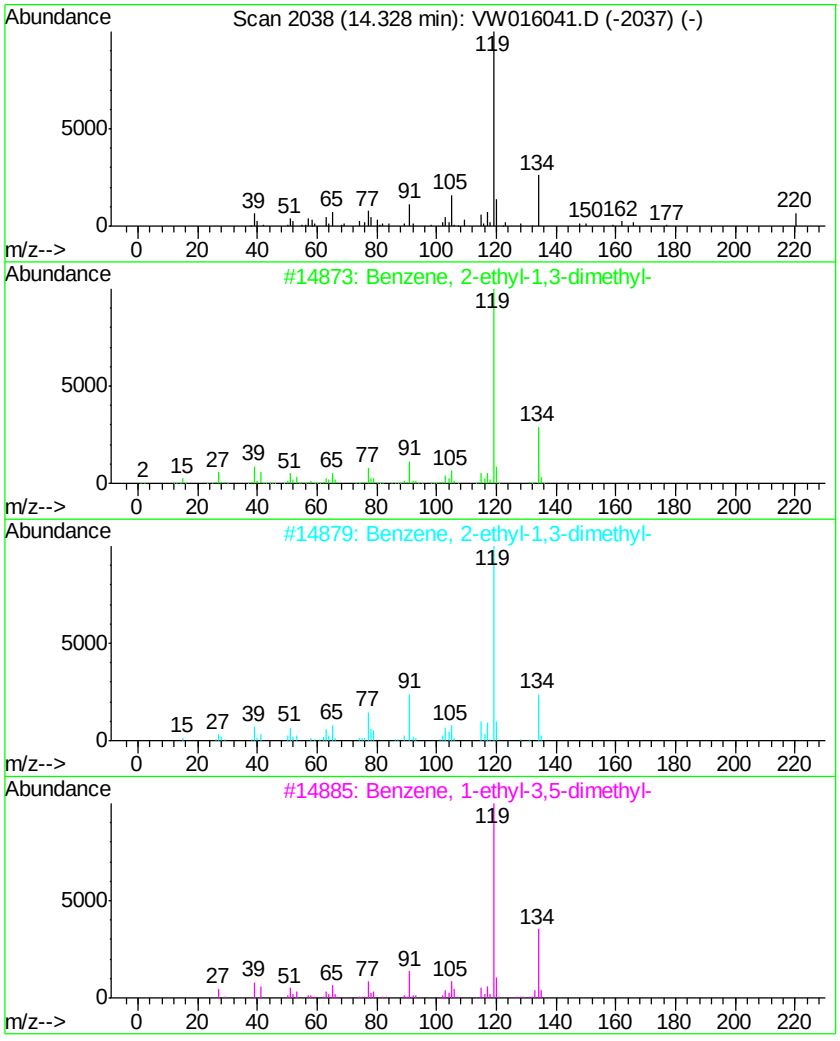
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

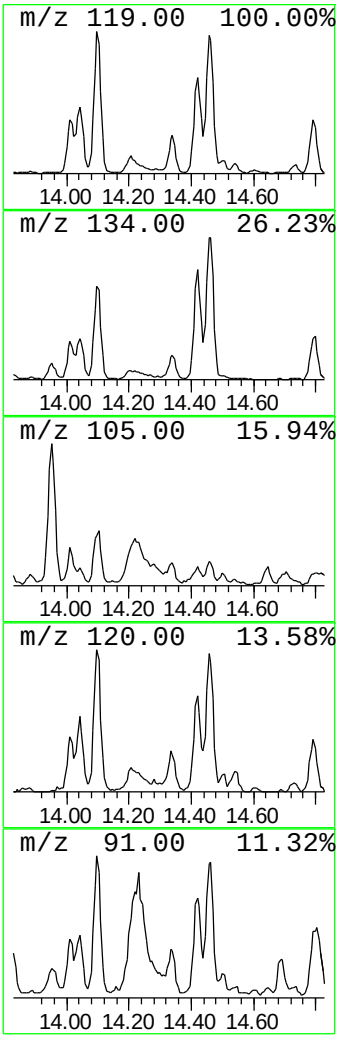
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	1.98 ug/L	50465	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

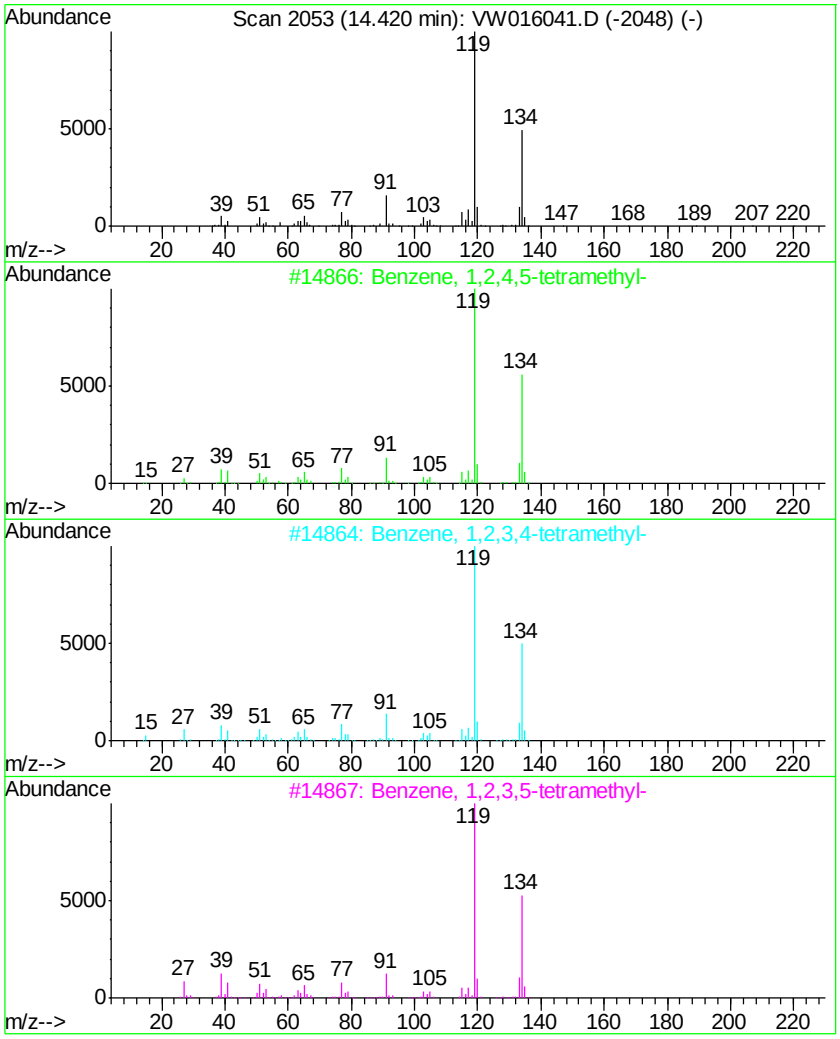
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

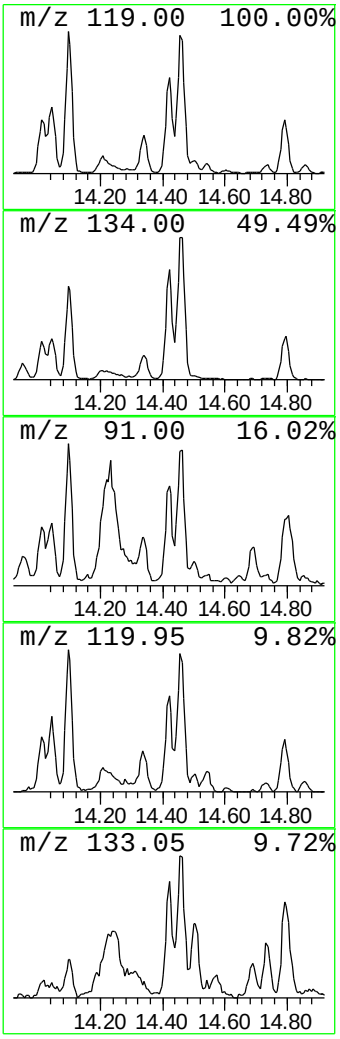
****

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	5.31 ug/L	135268	1,4-Dichlorobenzene-d4	13.56

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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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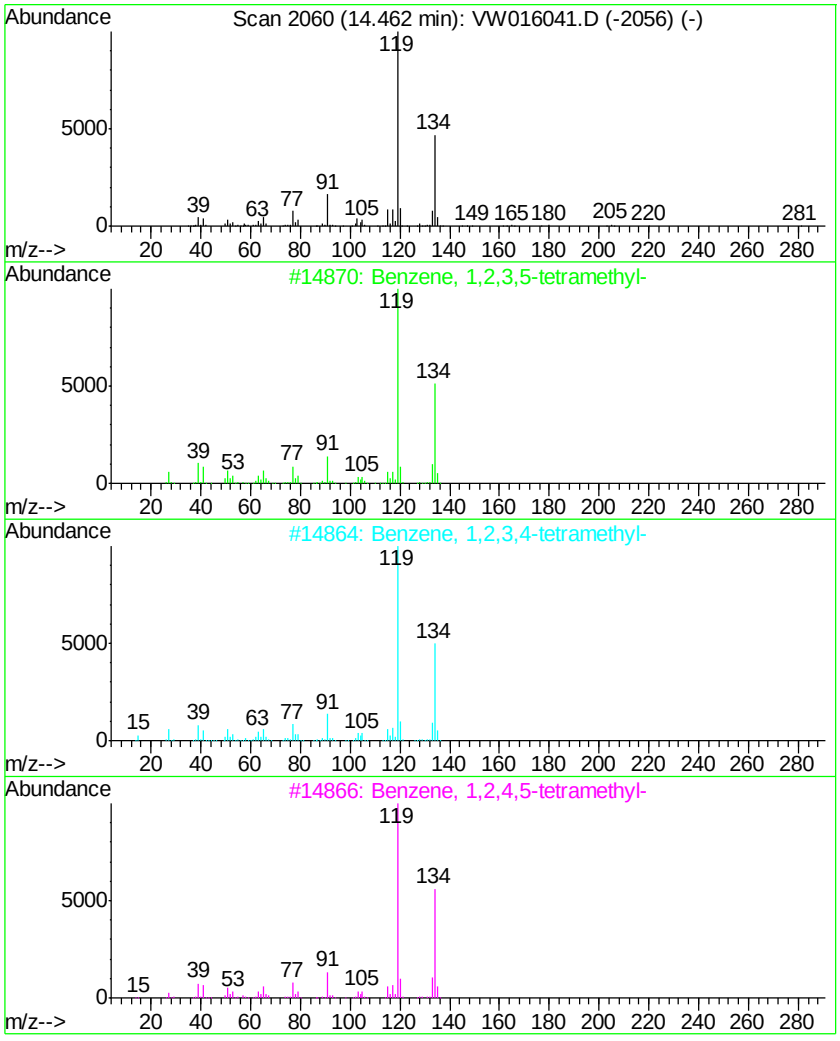
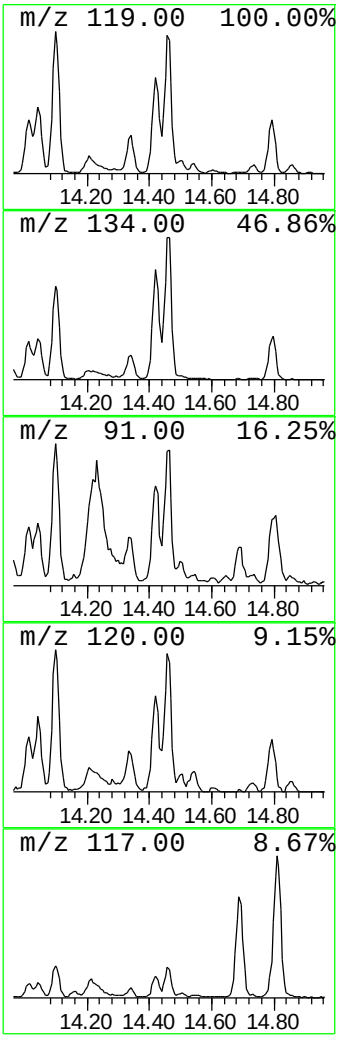
Peak Number 15 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	6.85 ug/L	174529	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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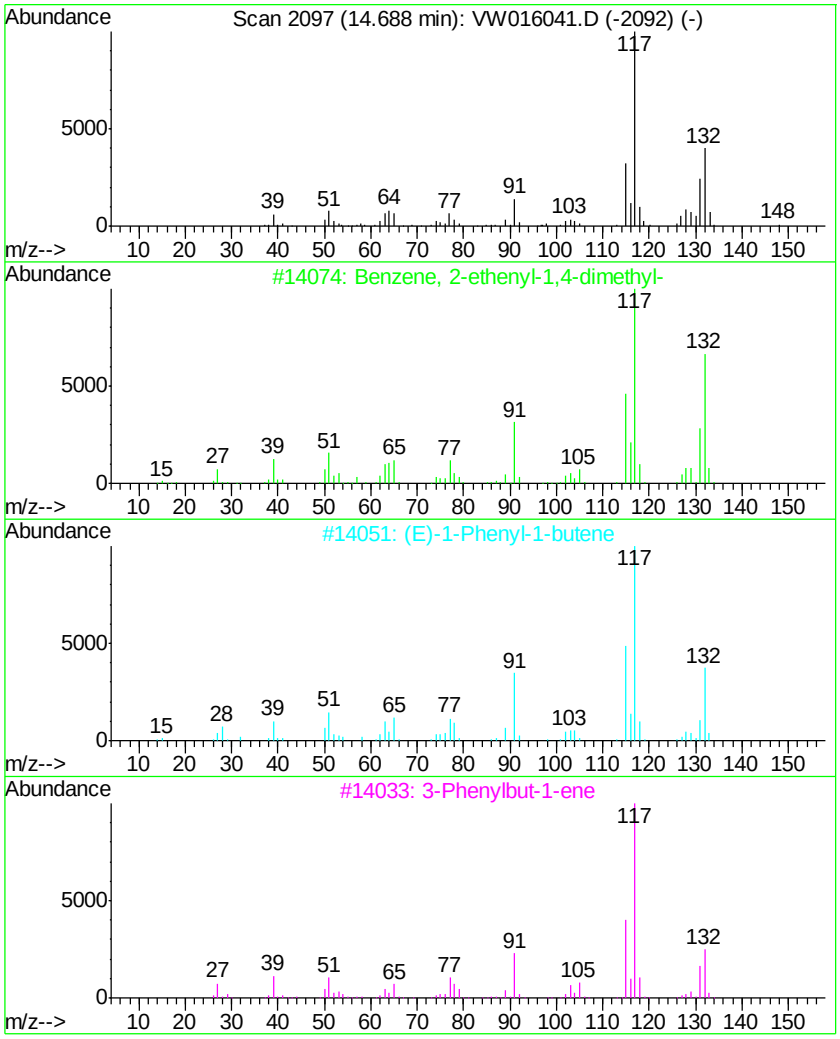
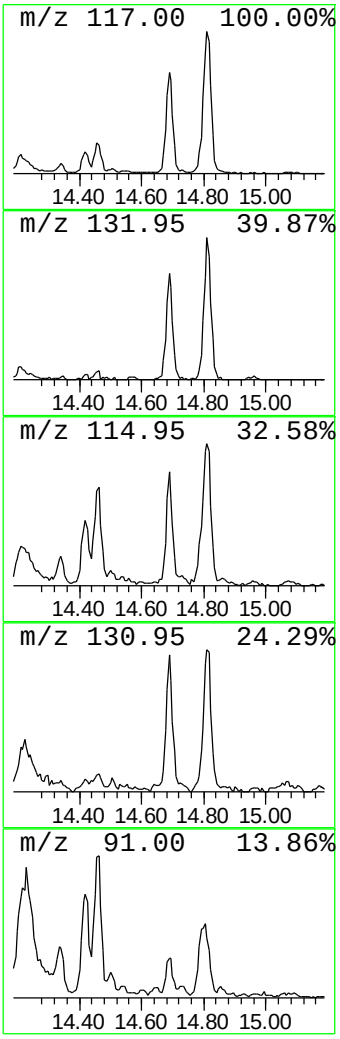
Peak Number 16 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.81 ug/L	71675	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

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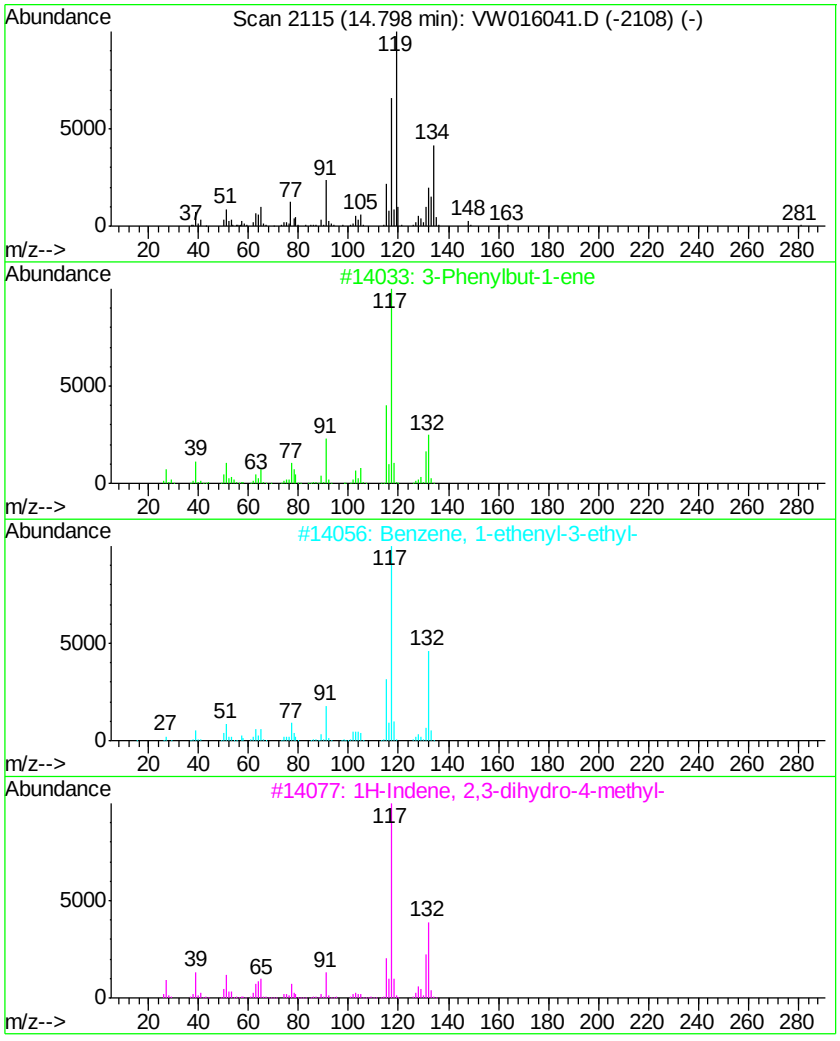
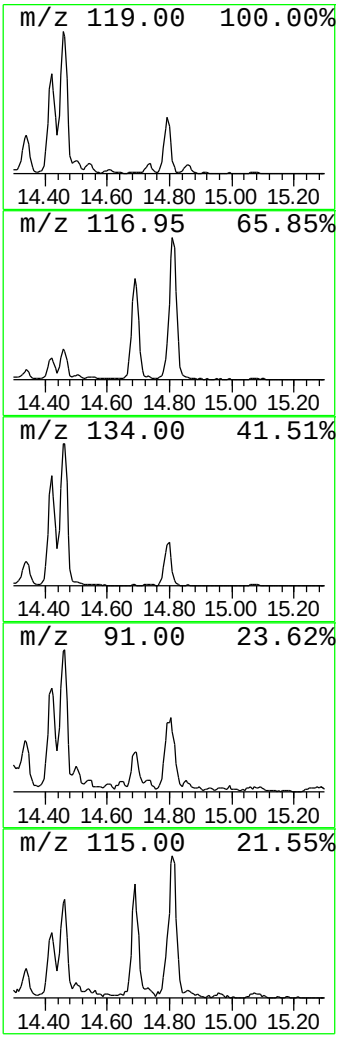
Peak Number 17 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.93 ug/L	176701	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080520\
Data File : VW016041.D
Acq On : 05 Aug 2020 14:06
Operator : SY/VA
Sample : L3564-03
Misc : 5.96G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFSN4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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
unknown-01	2.24	1.9	ug/L	52816	1	8.84	694548	25.0
Bicyclo[3.1.1]hep...	13.06	2.0	ug/L	51008	3	13.56	637172	25.0
D-Limonene	13.47	4.0	ug/L	102177	3	13.56	637172	25.0
Benzene, 1-methyl...	13.75	2.5	ug/L	62513	3	13.56	637172	25.0
Benzene, 1-ethyl-...	13.79	4.9	ug/L	125859	3	13.56	637172	25.0
Benzene, 1-methyl...	13.95	2.6	ug/L	65815	3	13.56	637172	25.0
Benzene, 2-ethyl-...	14.01	3.0	ug/L	75672	3	13.56	637172	25.0
Benzene, 2-ethyl-...	14.04	3.3	ug/L	83502	3	13.56	637172	25.0
Benzene, 1-ethyl-...	14.10	7.7	ug/L	196467	3	13.56	637172	25.0
2,5-Cyclohexadien...	14.22	30.9	ug/L	787563	3	13.56	637172	25.0
Benzene, 4-ethyl-...	14.33	2.0	ug/L	50465	3	13.56	637172	25.0
Benzene, 1,2,4,5-...	14.42	5.3	ug/L	135268	3	13.56	637172	25.0
Benzene, 1,2,3,5-...	14.46	6.8	ug/L	174529	3	13.56	637172	25.0
Benzene, 2-etheny...	14.69	2.8	ug/L	71675	3	13.56	637172	25.0
3-Phenylbut-1-ene	14.80	6.9	ug/L	176701	3	13.56	637172	25.0