LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

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\SOM2WLM111119S.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	2.154	35	41	56	rBV	55845	141987	10.05%	1.415%
2	2.349	67	73	85	rVB	85925	155795	11.03%	1.552%
3	2.885	154	161	175	rVB	67123	162393	11.50%	1.618%
4	3.379	239	242	244	rBV3	743	853	0.06%	0.008%
5	3.470	255	257	258	rBV2	444	288	0.02%	0.003%
6	3.531	264	267	269	rBV2	500	717	0.05%	0.007%
7	3.574	272	274	277	rVB2	429	322	0.02%	0.003%
8	3.599	277	278	282	rVB2	223	256	0.02%	0.003%
9	3.903	327	328	331	rVB2	320	301	0.02%	0.003%
10	4.013	331	346	358	rBV2	149548	478059	33.84%	4.764%
11	4.361	399	403	404	rBV2	485	520	0.04%	0.005%
12	4.391	404	408	414	rVB4	709	1650	0.12%	0.016%
13	4.501	425	426	428	rBV	349	263	0.02%	0.003%
14	4.550	433	434	436	rBV	321	269	0.02%	0.003%
15	4.617	442	445	447	rVV3	259	395	0.03%	0.004%
16	4.659	451	452	454	rVB	420	242	0.02%	0.002%
17	4.702	456	459	462	rVB2	428	532	0.04%	0.005%
18	4.739	462	465	466	rBV	323	274	0.02%	0.003%
19	4.909	484	493	507	rVB3	5363	19328	1.37%	0.193%
20	5.129	525	529	530	rBV2	400	530	0.04%	0.005%
21	5.147	530	532	535	rVV2	431	644	0.05%	0.006%
22	5.232	542	546	547	rBV2	213	265	0.02%	0.003%
23	5.507	587	591	594	rVB	362	447	0.03%	0.004%
24	5.531	594	595	598	rVB	366	240	0.02%	0.002%
25	5.690	618	621	624	rBV	289	301	0.02%	0.003%
26	5.793	637	638	643	rBV3	436	532	0.04%	0.005%
27	5.921	655	659	660	rBV3	1017	1272	0.09%	0.013%
28	6.330	724	726	728	rBV2	239	296	0.02%	0.003%
29	6.366	730	732	734	rBV2	381	369	0.03%	0.004%
30	6.781	796	800	801	rBV2	437	379	0.03%	0.004%
31	6.970	829	831	833	rVB	509	271	0.02%	0.003%
32	7.073	833	848	854	rBV	42143	120227	8.51%	1.198%
33	7.281	880	882	885	rVB	412	532	0.04%	0.005%
34	7.311	885	887	889	rBV2	551	335	0.02%	0.003%

LSC Area Percent Report

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Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

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\SOM2WLM111119S.M
Title : VOC Analysis

35	7.476	912	914	918	rVB2	324	309	0.02%	0.003%
36	7.531	920	923	925	rBV2	442	362	0.03%	0.004%
37	7.640	930	941	954	rVV	227867	561737	39.76%	5.598%
38	7.945	986	991	996	rBV3	985	2016	0.14%	0.020%
39	8.061	1008	1010	1014	rVV2	408	384	0.03%	0.004%
40	8.116	1016	1019	1021	rVB	291	273	0.02%	0.003%
41	8.274	1034	1045	1059	rBV2	477319	1412708	100.00%	14.077%
42	8.500	1079	1082	1084	rVB3	238	249	0.02%	0.002%
43	8.604	1096	1099	1103	rBV4	389	683	0.05%	0.007%
44	8.701	1111	1115	1120	rVV3	639	946	0.07%	0.009%
45	8.841	1129	1138	1149	rBV	328830	650127	46.02%	6.478%
46	9.012	1162	1166	1169	rBV3	281	468	0.03%	0.005%
47	9.073	1171	1176	1182	rVB6	3203	6890	0.49%	0.069%
48	9.213	1195	1199	1200	rBV	268	291	0.02%	0.003%
49	9.268	1200	1208	1218	rBV	319404	648929	45.94%	6.466%
50	9.469	1239	1241	1242	rBV	240	250	0.02%	0.002%
51	9.597	1259	1262	1266	rBV2	434	556	0.04%	0.006%
52	9.652	1266	1271	1272	rBV2	1145	1369	0.10%	0.014%
53	10.036	1325	1334	1343	rBV	168641	308108	21.81%	3.070%
54	10.213	1361	1363	1365	rVB	339	347	0.02%	0.003%
55	10.238	1365	1367	1369	rVB2	387	341	0.02%	0.003%
56	10.323	1373	1381	1388	rBV	700922	1233388	87.31%	12.290%
57	10.494	1407	1409	1415	rBV4	1158	1856	0.13%	0.018%
58	10.579	1416	1423	1430	rBV	104366	186118	13.17%	1.855%
59	10.701	1439	1443	1449	rVB2	6649	11110	0.79%	0.111%
60	10.859	1465	1469	1472	rBV3	906	1260	0.09%	0.013%
61	10.920	1472	1479	1495	rBV	165672	285499	20.21%	2.845%
62	11.061	1498	1502	1507	rVB	8374	12665	0.90%	0.126%
63	11.152	1515	1517	1518	rBV2	363	371	0.03%	0.004%
64	11.176	1519	1521	1527	rVB3	1232	1799	0.13%	0.018%
65	11.231	1527	1530	1533	rBV4	726	818	0.06%	0.008%
66	11.311	1541	1543	1547	rBV2	207	312	0.02%	0.003%
67	11.402	1556	1558	1560	rBV2	378	386	0.03%	0.004%
68	11.426	1560	1562	1568	rVB3	638	898	0.06%	0.009%
69	11.506	1574	1575	1578	rVB	332	251	0.02%	0.003%
70	11.628	1587	1595	1606	rBV	471822	791034	55.99%	7.882%
71	11.731	1606	1612	1618	rVB6	2094	4039	0.29%	0.040%

LSC Area Percent Report

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Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

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\SOM2WLM111119S.M
Title : VOC Analysis

72	11.835	1624	1629	1636	rBV3	3574	6490	0.46%	0.065%
73	12.164	1679	1683	1692	rVB7	2584	4523	0.32%	0.045%
74	12.237	1692	1695	1696	rBV3	565	446	0.03%	0.004%
75	12.335	1707	1711	1713	rBV2	343	562	0.04%	0.006%
76	12.469	1728	1733	1737	rBV5	1380	2250	0.16%	0.022%
77	12.560	1746	1748	1750	rBV2	276	328	0.02%	0.003%
78	12.609	1750	1756	1761	rVB	7864	12930	0.92%	0.129%
79	12.688	1762	1769	1778	rBV	241129	398948	28.24%	3.975%
80	12.755	1778	1780	1784	rBV3	1407	1759	0.12%	0.018%
81	12.865	1794	1798	1800	rBV3	1790	2534	0.18%	0.025%
82	12.926	1806	1808	1816	rVB4	9011	15866	1.12%	0.158%
83	13.042	1822	1827	1834	rBV3	9176	15869	1.12%	0.158%
84	13.103	1834	1837	1841	rVB	4062	5342	0.38%	0.053%
85	13.249	1856	1861	1865	rBV	8514	11956	0.85%	0.119%
86	13.560	1905	1912	1921	rBV	484129	789365	55.88%	7.866%
87	13.645	1923	1926	1932	rVB5	4061	5797	0.41%	0.058%
88	13.719	1933	1938	1940	rBV2	14988	20851	1.48%	0.208%
89	13.853	1954	1960	1970	rVB	514571	872790	61.78%	8.697%
90	13.944	1971	1975	1980	rBV2	10773	16386	1.16%	0.163%
91	14.011	1981	1986	1988	rBV3	18490	28144	1.99%	0.280%
92	14.097	1997	2000	2005	rVB	63627	87481	6.19%	0.872%
93	14.206	2013	2018	2023	rVB3	30492	51672	3.66%	0.515%
94	14.420	2048	2053	2056	rBV	40257	62153	4.40%	0.619%
95	14.456	2056	2059	2063	rVV	41107	56284	3.98%	0.561%
96	14.499	2063	2066	2070	rVB2	18492	22742	1.61%	0.227%
97	14.688	2093	2097	2101	rBV3	29429	53905	3.82%	0.537%
98	14.810	2109	2117	2122	rBV2	106169	215332	15.24%	2.146%
99	14.956	2138	2141	2148	rBV6	7134	15605	1.10%	0.155%
100	15.657	2251	2256	2264	rBV2	18965	36898	2.61%	0.368%

Sum of corrected areas: 10035439

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
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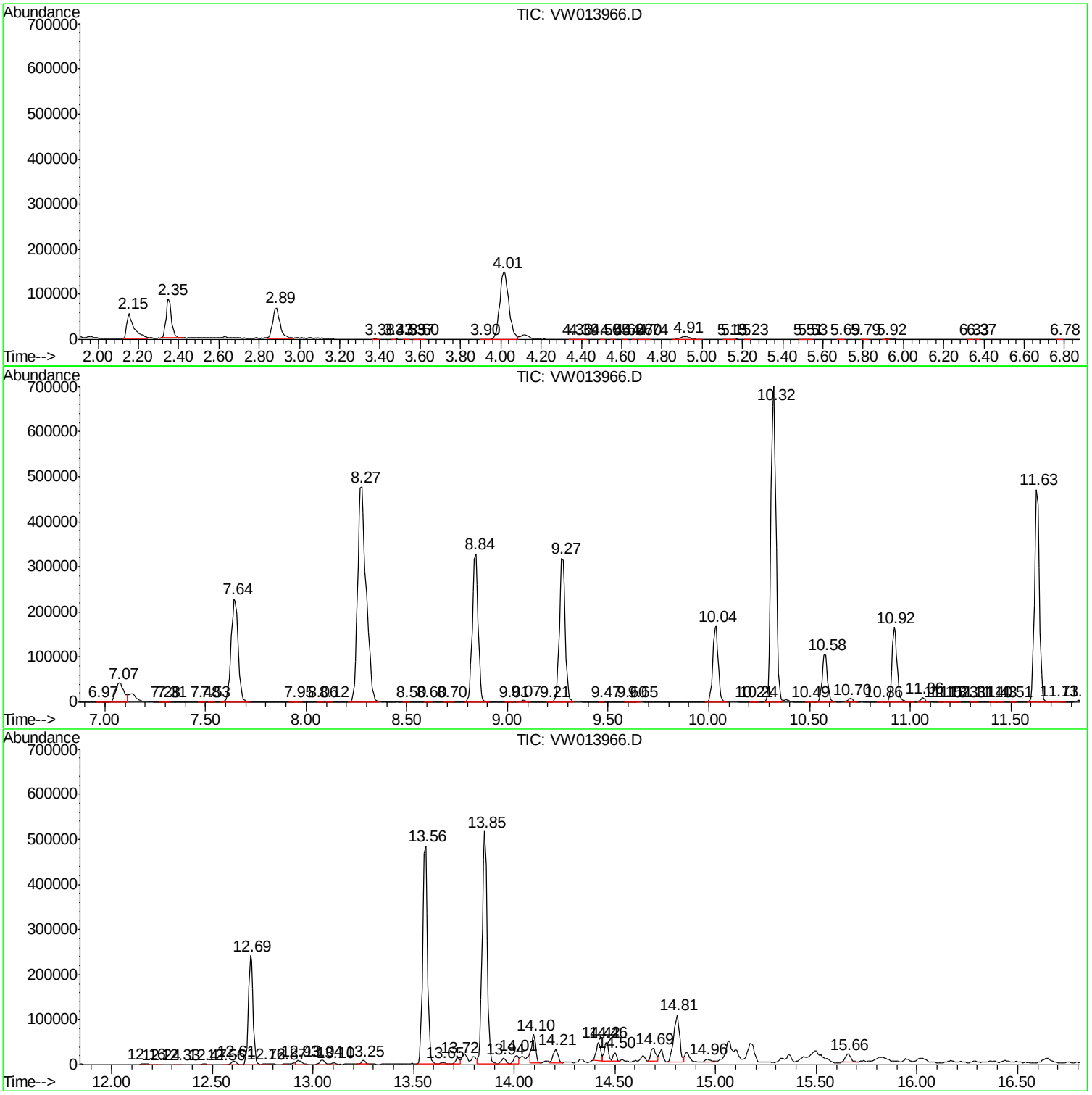
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.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\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

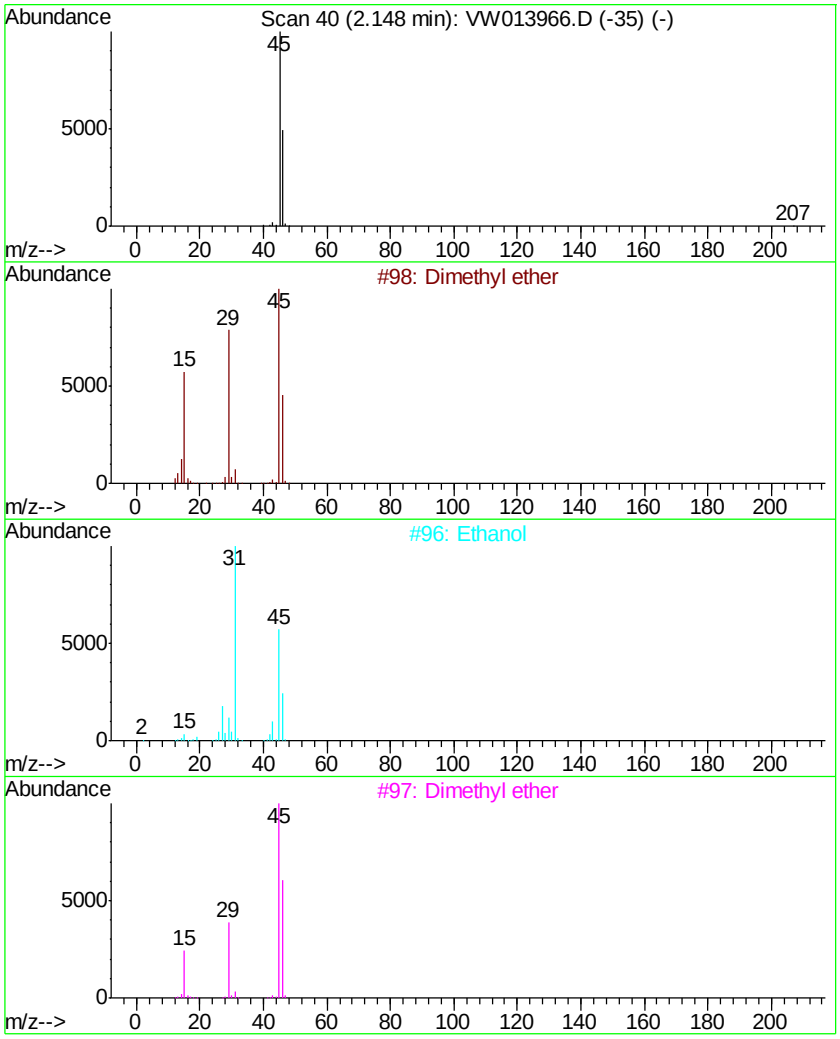
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

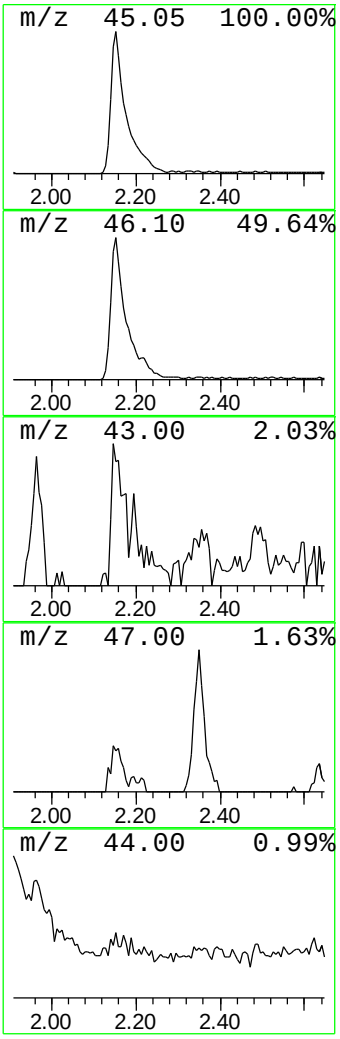
****

Peak Number 1 Dimethyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	5.46 ug/L	141987	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	74
2	Ethanol	46	C2H6O	000064-17-5	9
3	Dimethyl ether	46	C2H6O	000115-10-6	9
4	Ethanol	46	C2H6O	000064-17-5	7
5	Ethanol	46	C2H6O	000064-17-5	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

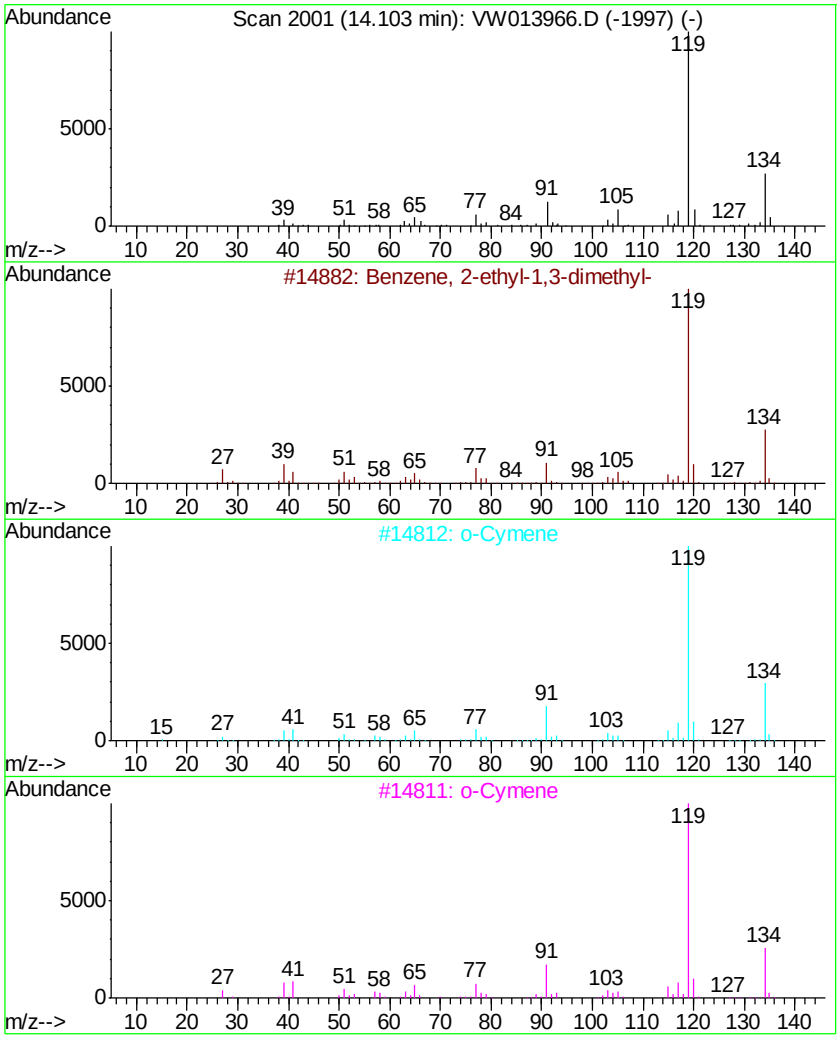
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

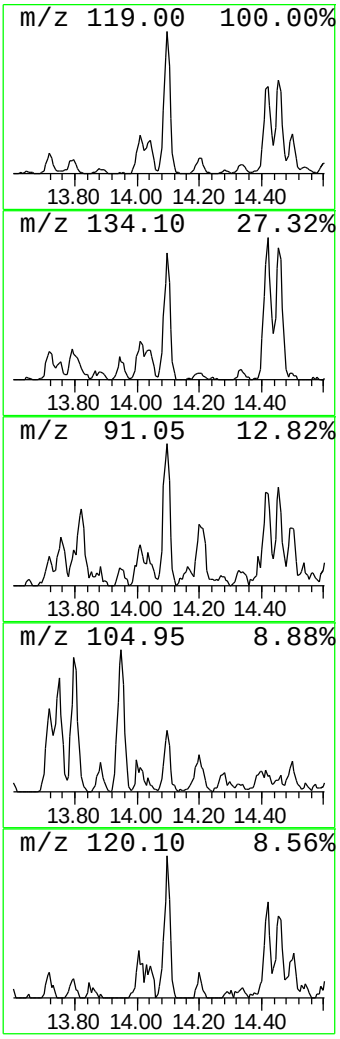
****

Peak Number 3 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.77 ug/L	87481	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	o-Cymene	134	C10H14	000527-84-4	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

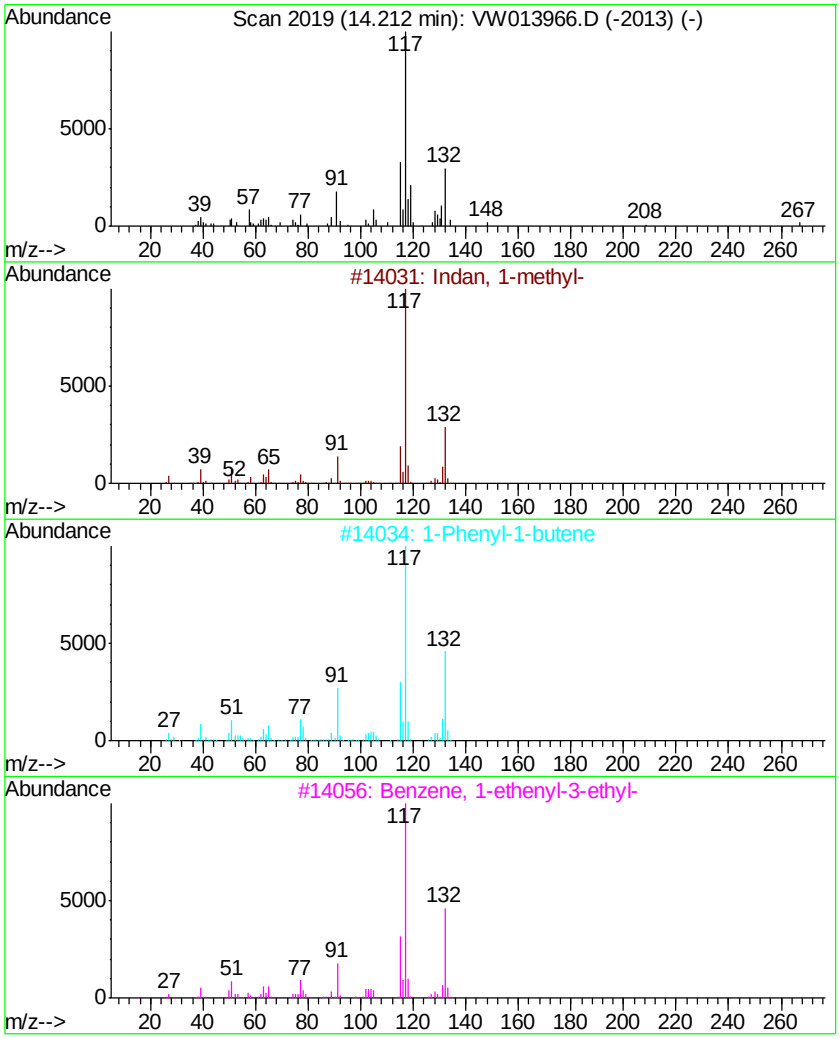
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

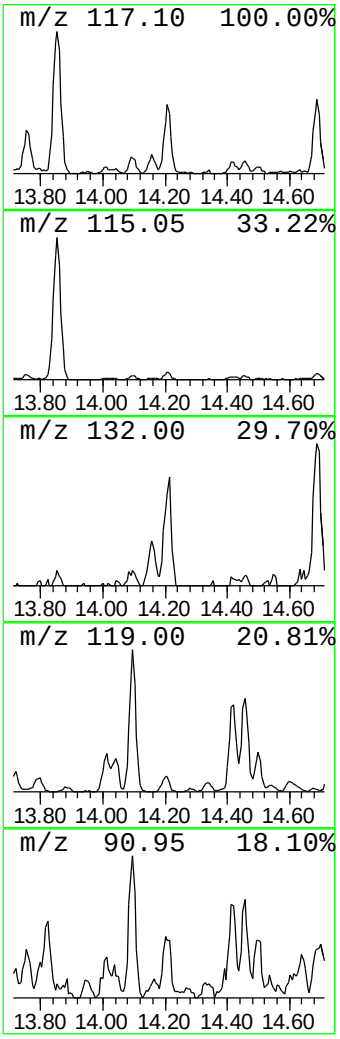
****

Peak Number 4 Indan, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	1.64 ug/L	51672	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	74
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	59
5	Indan, 1-methyl-	132	C10H12	000767-58-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

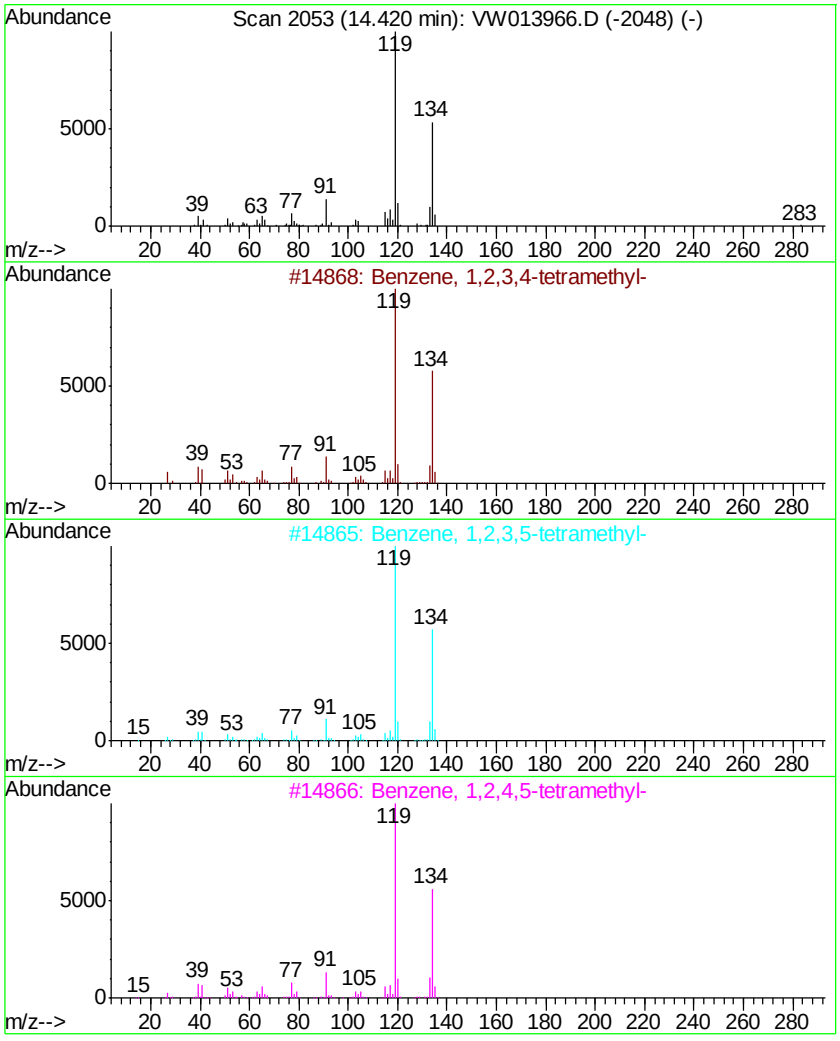
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

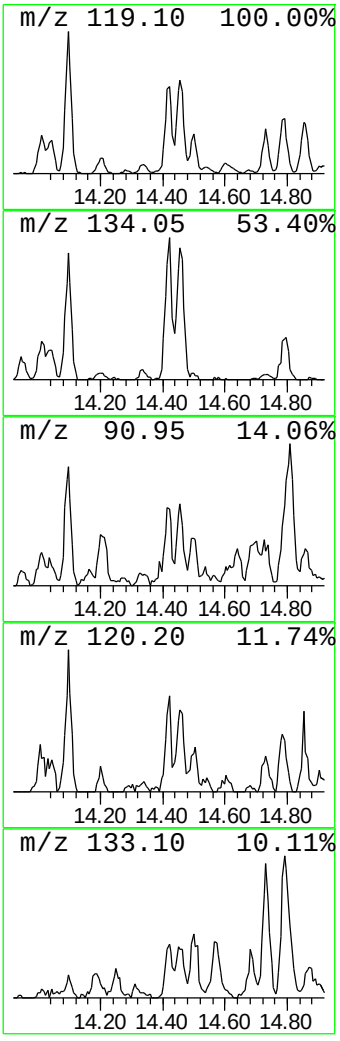
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	1.97 ug/L	62153	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
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Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

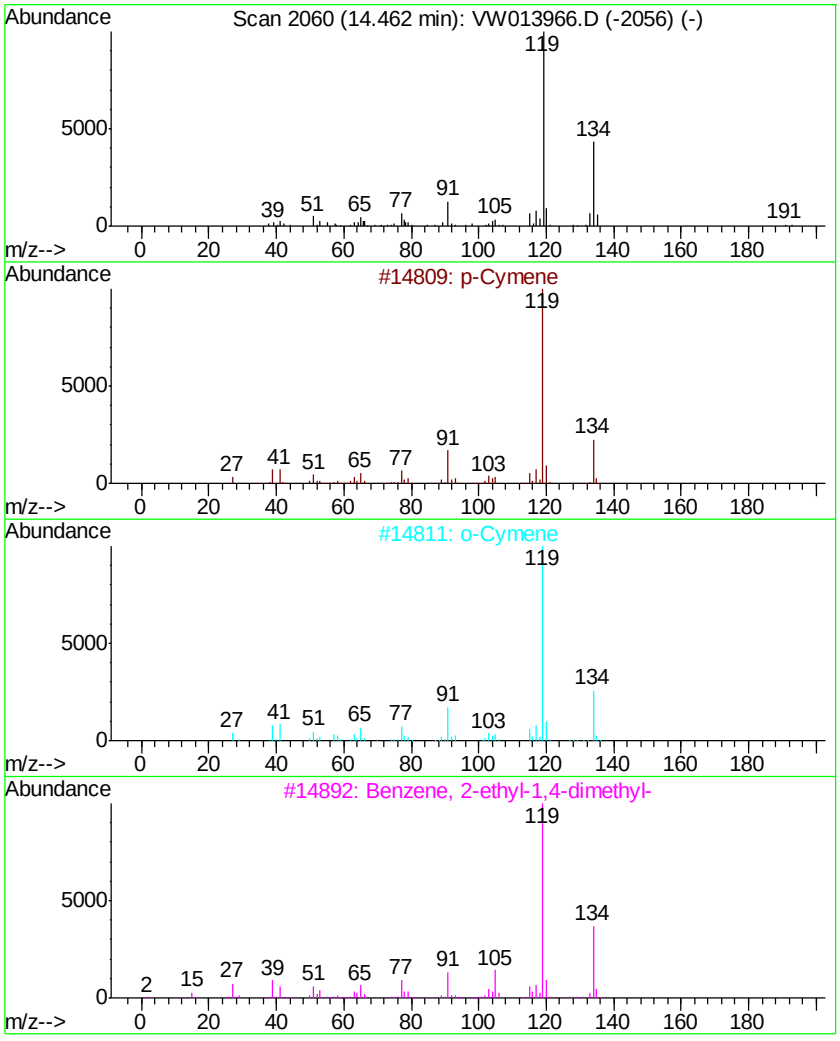
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

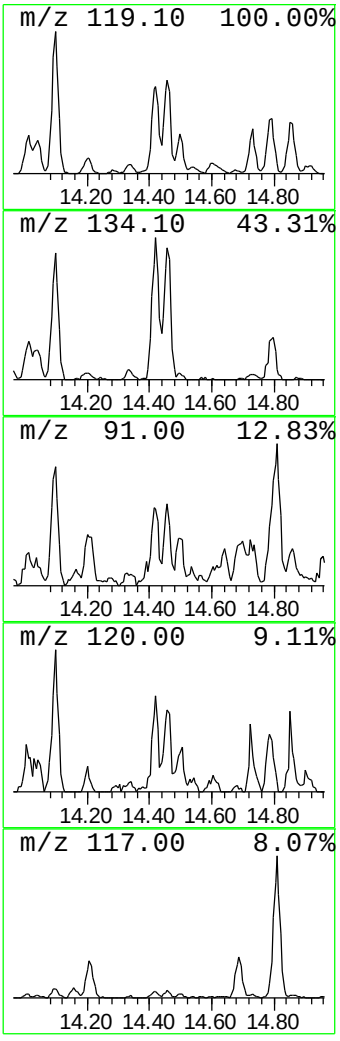
****

Peak Number 6 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	1.78 ug/L	56284	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

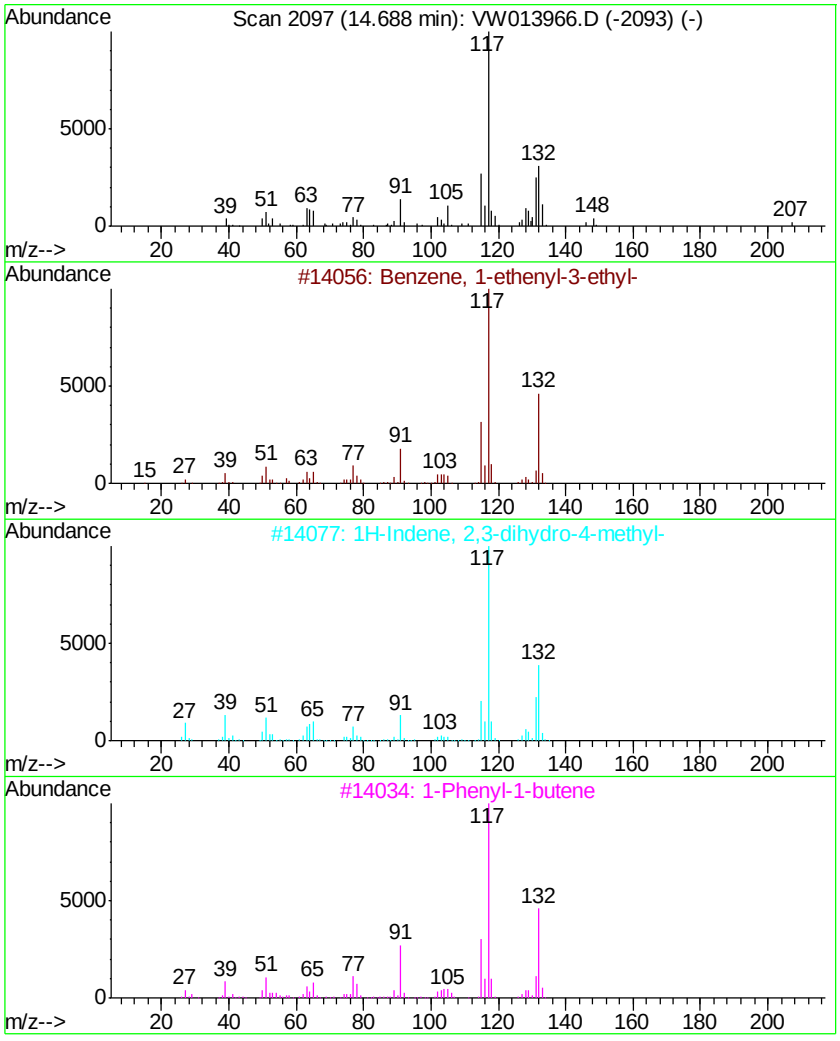
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

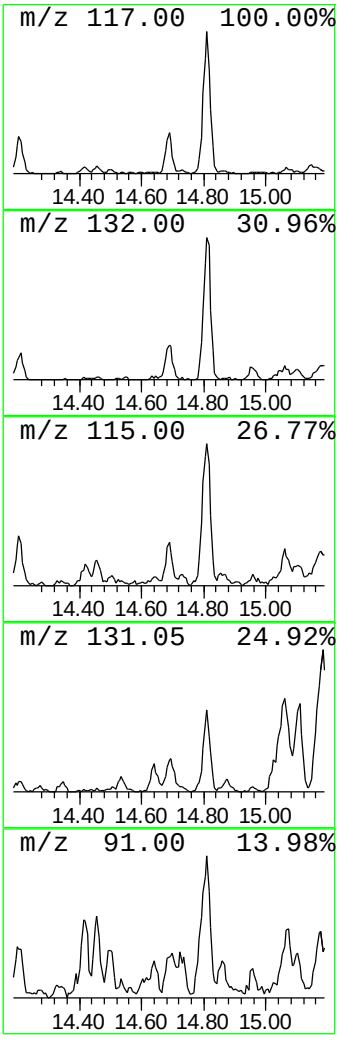
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	1.71 ug/L	53905	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	72
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	68
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	68
5	Indan, 1-methyl-	132	C10H12	000767-58-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

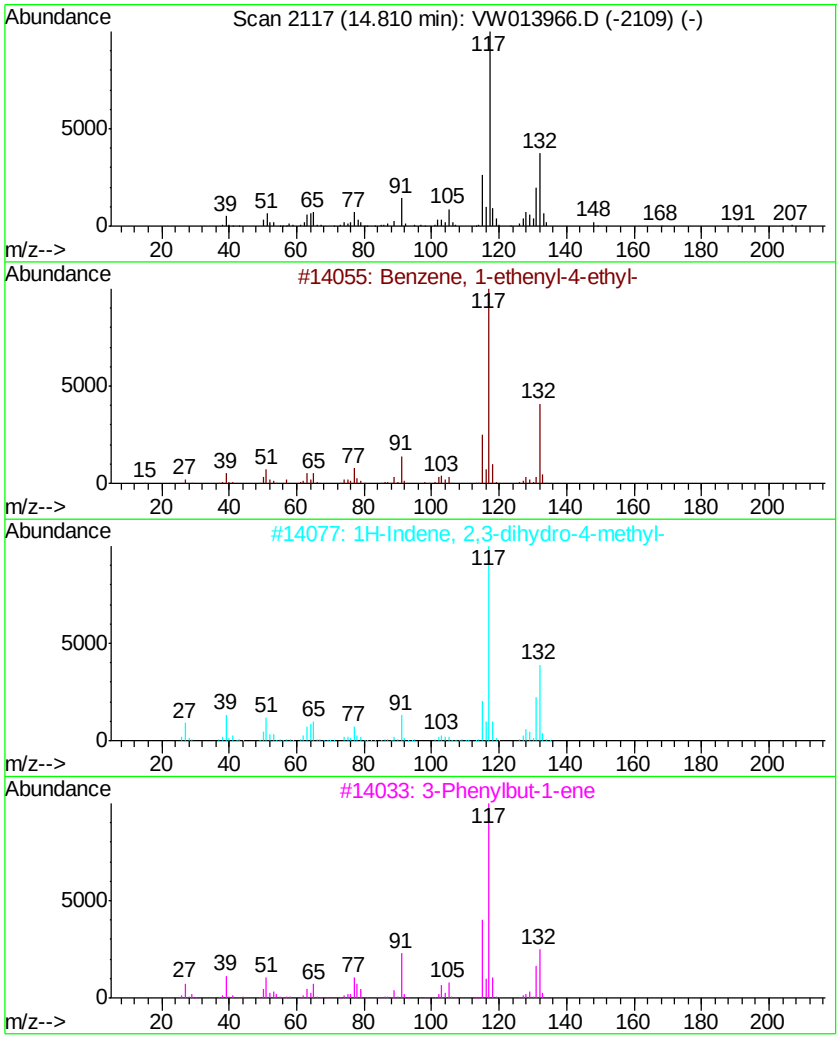
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

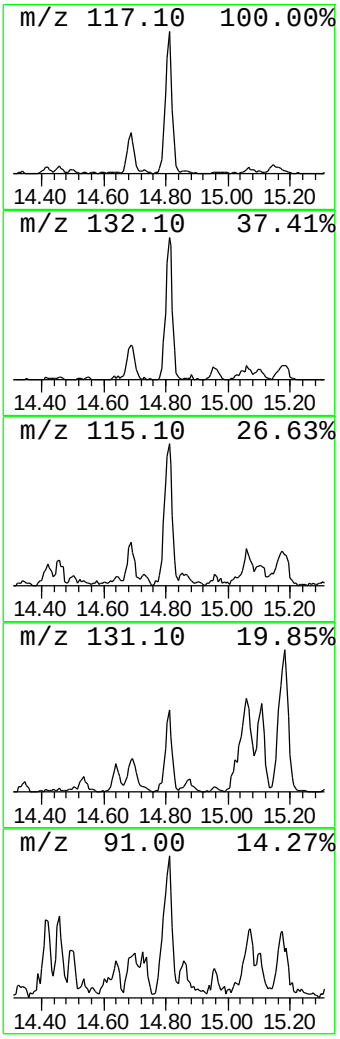
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	6.82 ug/L	215332	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
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	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013966.D
Acq On : 11 Nov 2019 18:25
Operator : SY/VA
Sample : K5784-03
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLNB0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.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
Dimethyl ether	2.15	5.5	ug/L	141987	1	8.84	650127	25.0
Benzene, 2-ethyl-...	14.10	2.8	ug/L	87481	3	13.56	789365	25.0
Indan, 1-methyl-	14.21	1.6	ug/L	51672	3	13.56	789365	25.0
Benzene, 1,2,3,4-...	14.42	2.0	ug/L	62153	3	13.56	789365	25.0
o-Cymene	14.46	1.8	ug/L	56284	3	13.56	789365	25.0
Benzene, 1-etheny...	14.69	1.7	ug/L	53905	3	13.56	789365	25.0
Benzene, 1-etheny...	14.81	6.8	ug/L	215332	3	13.56	789365	25.0