LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

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\SOM2WLM012720S.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 | 37 | 41 | 45 | rBV2 | 4014 | 7790 | 0.03% | 0.010% |
| 2 | 2.349 | 67 | 73 | 82 | rVB | 328656 | 558458 | 2.14% | 0.739% |
| 3 | 2.885 | 154 | 161 | 180 | rVB | 192387 | 482468 | 1.85% | 0.639% |
| 4 | 3.434 | 249 | 251 | 255 | rVB3 | 810 | 1048 | 0.00% | 0.001% |
| 5 | 3.495 | 259 | 261 | 263 | rBV2 | 926 | 1069 | 0.00% | 0.001% |
| 6 | 3.666 | 284 | 289 | 290 | rBV3 | 1484 | 2171 | 0.01% | 0.003% |
| 7 | 3.684 | 290 | 292 | 295 | rVB3 | 1245 | 1210 | 0.00% | 0.002% |
| 8 | 4.013 | 332 | 346 | 359 | rBV | 329995 | 976237 | 3.73% | 1.292% |
| 9 | 4.397 | 401 | 409 | 416 | rBV5 | 935 | 2778 | 0.01% | 0.004% |
| 10 | 4.769 | 466 | 470 | 474 | rBV3 | 876 | 1075 | 0.00% | 0.001% |
| 11 | 4.909 | 483 | 493 | 508 | rBV2 | 28134 | 97394 | 0.37% | 0.129% |
| 12 | 5.068 | 515 | 519 | 520 | rBV2 | 1194 | 1303 | 0.00% | 0.002% |
| 13 | 5.159 | 533 | 534 | 538 | rVB4 | 1224 | 1083 | 0.00% | 0.001% |
| 14 | 5.361 | 565 | 567 | 569 | rBV2 | 919 | 1007 | 0.00% | 0.001% |
| 15 | 5.422 | 574 | 577 | 578 | rBV | 648 | 789 | 0.00% | 0.001% |
| 16 | 5.513 | 589 | 592 | 595 | rVB2 | 597 | 840 | 0.00% | 0.001% |
| 17 | 5.763 | 626 | 633 | 635 | rBV5 | 1284 | 2285 | 0.01% | 0.003% |
| 18 | 5.934 | 654 | 661 | 669 | rVV3 | 7181 | 20601 | 0.08% | 0.027% |
| 19 | 6.056 | 680 | 681 | 686 | rVB3 | 615 | 916 | 0.00% | 0.001% |
| 20 | 6.141 | 691 | 695 | 697 | rBV2 | 562 | 801 | 0.00% | 0.001% |
| 21 | 6.367 | 729 | 732 | 737 | rBV4 | 606 | 1119 | 0.00% | 0.001% |
| 22 | 6.799 | 801 | 803 | 809 | rVB2 | 808 | 1023 | 0.00% | 0.001% |
| 23 | 6.879 | 813 | 816 | 819 | rVB2 | 718 | 876 | 0.00% | 0.001% |
| 24 | 6.921 | 819 | 823 | 827 | rBV4 | 912 | 1377 | 0.01% | 0.002% |
| 25 | 7.074 | 839 | 848 | 855 | rBV | 100538 | 291748 | 1.12% | 0.386% |
| 26 | 7.244 | 869 | 876 | 889 | rVB | 111057 | 277765 | 1.06% | 0.368% |
| 27 | 7.513 | 919 | 920 | 923 | rBV3 | 1317 | 1655 | 0.01% | 0.002% |
| 28 | 7.647 | 931 | 942 | 955 | rBV | 563881 | 1350136 | 5.17% | 1.787% |
| 29 | 7.946 | 986 | 991 | 999 | rVB6 | 3844 | 9878 | 0.04% | 0.013% |
| 30 | 8.061 | 1007 | 1010 | 1014 | rBV4 | 932 | 1368 | 0.01% | 0.002% |
| 31 | 8.275 | 1032 | 1045 | 1062 | rBV2 | 1122968 | 3346631 | 12.80% | 4.430% |
| 32 | 8.689 | 1108 | 1113 | 1114 | rBV3 | 858 | 1498 | 0.01% | 0.002% |
| 33 | 8.842 | 1125 | 1138 | 1152 | rBV | 1185243 | 2324014 | 8.89% | 3.076% |
| 34 | 9.073 | 1172 | 1176 | 1184 | rVB6 | 3734 | 7960 | 0.03% | 0.011% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

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\SOM2WLM012720S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.275 | 1199 | 1209 | 1218 | rBV | 742781 | 1531766 | 5.86% | 2.027% |
| 36 | 9.464 | 1236 | 1240 | 1245 | rVB7 | 812 | 1316 | 0.01% | 0.002% |
| 37 | 9.567 | 1253 | 1257 | 1259 | rBV3 | 886 | 1134 | 0.00% | 0.002% |
| 38 | 9.659 | 1267 | 1272 | 1281 | rVB6 | 2494 | 5443 | 0.02% | 0.007% |
| 39 | 9.750 | 1283 | 1287 | 1291 | rBV5 | 873 | 1305 | 0.00% | 0.002% |
| 40 | 9.896 | 1303 | 1311 | 1315 | rVB5 | 3274 | 6856 | 0.03% | 0.009% |
| 41 | 10.031 | 1325 | 1333 | 1348 | rBV | 374130 | 692954 | 2.65% | 0.917% |
| 42 | 10.213 | 1360 | 1363 | 1365 | rBV3 | 1486 | 1629 | 0.01% | 0.002% |
| 43 | 10.323 | 1373 | 1381 | 1388 | rBV | 1561741 | 2748827 | 10.52% | 3.638% |
| 44 | 10.384 | 1388 | 1391 | 1403 | rVB | 43803 | 76122 | 0.29% | 0.101% |
| 45 | 10.573 | 1415 | 1422 | 1437 | rBV | 248772 | 441039 | 1.69% | 0.584% |
| 46 | 10.701 | 1437 | 1443 | 1449 | rVB | 27628 | 49213 | 0.19% | 0.065% |
| 47 | 10.921 | 1472 | 1479 | 1495 | rBV | 402453 | 683271 | 2.61% | 0.904% |
| 48 | 11.061 | 1497 | 1502 | 1509 | rVV | 30658 | 49667 | 0.19% | 0.066% |
| 49 | 11.171 | 1518 | 1520 | 1527 | rVB7 | 2463 | 3154 | 0.01% | 0.004% |
| 50 | 11.439 | 1559 | 1564 | 1572 | rVB2 | 6960 | 13113 | 0.05% | 0.017% |
| 51 | 11.628 | 1587 | 1595 | 1604 | rBV | 1605621 | 2641099 | 10.10% | 3.496% |
| 52 | 11.725 | 1608 | 1611 | 1616 | rVB6 | 2739 | 4406 | 0.02% | 0.006% |
| 53 | 11.841 | 1623 | 1630 | 1632 | rBV5 | 3392 | 5564 | 0.02% | 0.007% |
| 54 | 11.902 | 1639 | 1640 | 1645 | rVB3 | 1807 | 1632 | 0.01% | 0.002% |
| 55 | 12.122 | 1674 | 1676 | 1678 | rBV2 | 1416 | 1477 | 0.01% | 0.002% |
| 56 | 12.170 | 1678 | 1684 | 1687 | rVV5 | 4754 | 8679 | 0.03% | 0.011% |
| 57 | 12.292 | 1701 | 1704 | 1709 | rVB5 | 1901 | 3404 | 0.01% | 0.005% |
| 58 | 12.463 | 1727 | 1732 | 1736 | rBV5 | 1592 | 3169 | 0.01% | 0.004% |
| 59 | 12.609 | 1749 | 1756 | 1761 | rVB2 | 8872 | 15842 | 0.06% | 0.021% |
| 60 | 12.689 | 1761 | 1769 | 1778 | rBV | 554202 | 913554 | 3.49% | 1.209% |
| 61 | 12.853 | 1793 | 1796 | 1797 | rBV3 | 2136 | 2274 | 0.01% | 0.003% |
| 62 | 12.932 | 1804 | 1809 | 1814 | rVB5 | 9335 | 16373 | 0.06% | 0.022% |
| 63 | 12.981 | 1815 | 1817 | 1821 | rVB4 | 2069 | 2798 | 0.01% | 0.004% |
| 64 | 13.067 | 1824 | 1831 | 1833 | rBV5 | 1069 | 2355 | 0.01% | 0.003% |
| 65 | 13.115 | 1835 | 1839 | 1840 | rBV3 | 1041 | 1221 | 0.00% | 0.002% |
| 66 | 13.243 | 1855 | 1860 | 1865 | rBV5 | 8465 | 15981 | 0.06% | 0.021% |
| 67 | 13.298 | 1865 | 1869 | 1873 | rVB3 | 10769 | 15374 | 0.06% | 0.020% |
| 68 | 13.335 | 1873 | 1875 | 1876 | rBV2 | 1171 | 918 | 0.00% | 0.001% |
| 69 | 13.396 | 1883 | 1885 | 1890 | rBV6 | 1945 | 2422 | 0.01% | 0.003% |
| 70 | 13.469 | 1893 | 1897 | 1903 | rBV7 | 3908 | 6134 | 0.02% | 0.008% |
| 71 | 13.554 | 1904 | 1911 | 1919 | rBV | 1406191 | 2265843 | 8.67% | 2.999% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

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\SOM2WLM012720S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.707 | 1934 | 1936 | 1939 | rBV4 | 2060 | 2137 | 0.01% | 0.003% |
| 73 | 13.755 | 1939 | 1944 | 1946 | rBV6 | 4599 | 7283 | 0.03% | 0.010% |
| 74 | 13.780 | 1946 | 1948 | 1952 | rVB4 | 4299 | 5416 | 0.02% | 0.007% |
| 75 | 13.853 | 1952 | 1960 | 1968 | rBV | 1217231 | 2029276 | 7.76% | 2.686% |
| 76 | 13.938 | 1968 | 1974 | 1982 | rVB | 57019 | 100285 | 0.38% | 0.133% |
| 77 | 14.042 | 1982 | 1991 | 1992 | rBV6 | 9527 | 19398 | 0.07% | 0.026% |
| 78 | 14.140 | 2003 | 2007 | 2013 | rVB2 | 11999 | 23021 | 0.09% | 0.030% |
| 79 | 14.231 | 2014 | 2022 | 2027 | rBV2 | 64100 | 104596 | 0.40% | 0.138% |
| 80 | 14.280 | 2027 | 2030 | 2034 | rBV2 | 11284 | 15476 | 0.06% | 0.020% |
| 81 | 14.329 | 2036 | 2038 | 2044 | rVB2 | 12483 | 15922 | 0.06% | 0.021% |
| 82 | 14.414 | 2048 | 2052 | 2055 | rBV | 23117 | 32954 | 0.13% | 0.044% |
| 83 | 14.457 | 2055 | 2059 | 2064 | rBV2 | 54638 | 91176 | 0.35% | 0.121% |
| 84 | 14.554 | 2070 | 2075 | 2080 | rBV2 | 71231 | 103498 | 0.40% | 0.137% |
| 85 | 14.688 | 2092 | 2097 | 2099 | rBV | 26173 | 39162 | 0.15% | 0.052% |
| 86 | 14.719 | 2100 | 2102 | 2108 | rVB3 | 31369 | 42113 | 0.16% | 0.056% |
| 87 | 14.792 | 2108 | 2114 | 2120 | rBV2 | 89711 | 189904 | 0.73% | 0.251% |
| 88 | 14.871 | 2121 | 2127 | 2134 | rVV | 233275 | 404685 | 1.55% | 0.536% |
| 89 | 14.950 | 2134 | 2140 | 2148 | rVB | 481091 | 819605 | 3.14% | 1.085% |
| 90 | 15.054 | 2153 | 2157 | 2162 | rBV3 | 35705 | 64907 | 0.25% | 0.086% |
| 91 | 15.176 | 2172 | 2177 | 2183 | rBV5 | 29785 | 73972 | 0.28% | 0.098% |
| 92 | 15.365 | 2201 | 2208 | 2218 | rVB | 5459141 | 9529277 | 36.46% | 12.613% |
| 93 | 15.469 | 2220 | 2225 | 2232 | rVV3 | 60836 | 136800 | 0.52% | 0.181% |
| 94 | 15.554 | 2235 | 2239 | 2246 | rVB | 48898 | 84086 | 0.32% | 0.111% |
| 95 | 15.658 | 2251 | 2256 | 2260 | rBV3 | 34589 | 73243 | 0.28% | 0.097% |
| 96 | 15.847 | 2283 | 2287 | 2292 | rVB3 | 57483 | 88058 | 0.34% | 0.117% |
| 97 | 15.968 | 2299 | 2307 | 2312 | rBV4 | 81859 | 221192 | 0.85% | 0.293% |
| 98 | 16.377 | 2367 | 2374 | 2376 | rBV | 70976 | 145649 | 0.56% | 0.193% |
| 99 | 16.438 | 2376 | 2384 | 2398 | rVB | 12594924 | 26138899 | 100.00% | 34.598% |
| 100 | 16.645 | 2409 | 2418 | 2432 | rVB | 5894037 | 12932869 | 49.48% | 17.118% |

Sum of corrected areas: 75550558

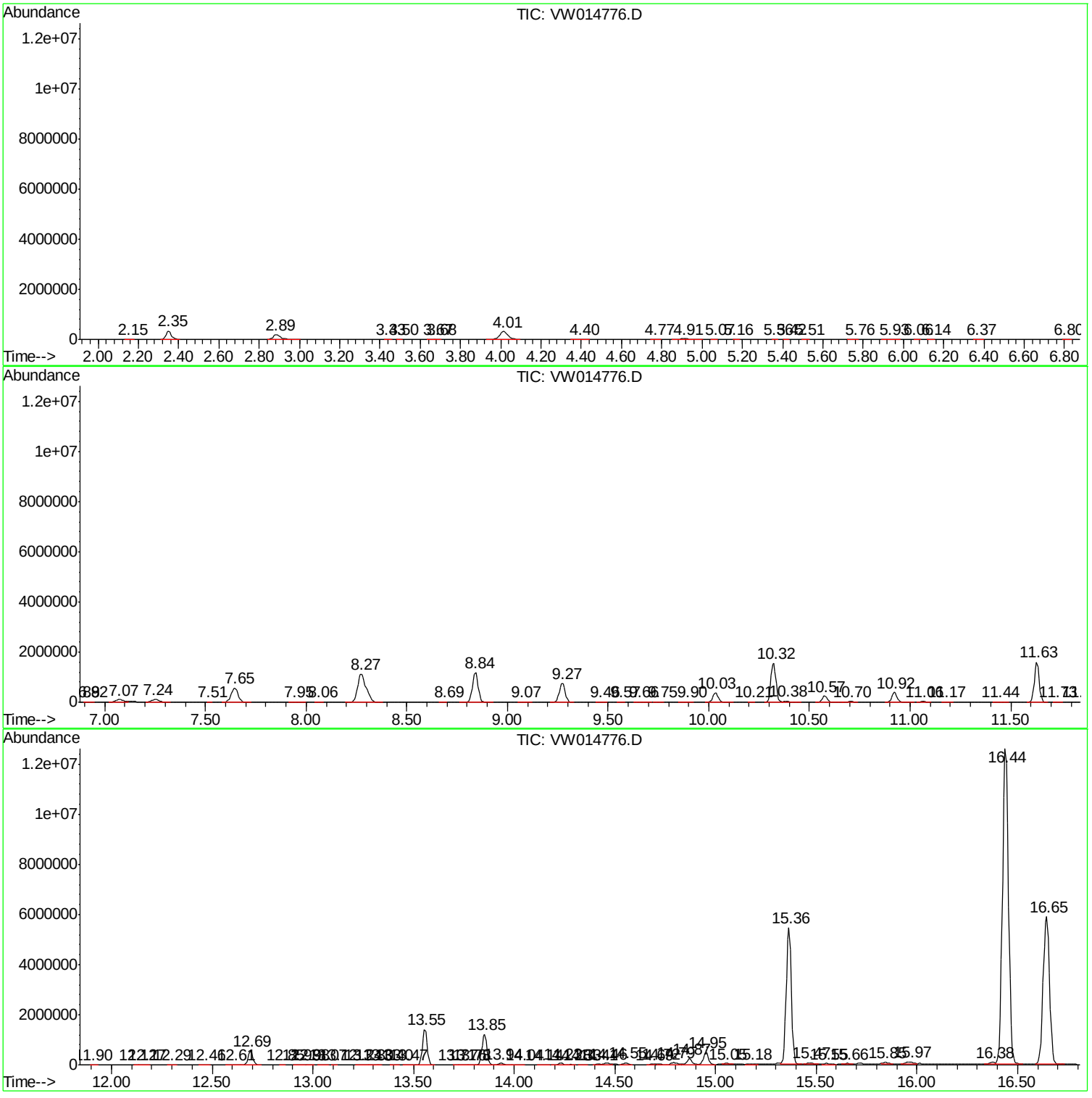
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.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\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

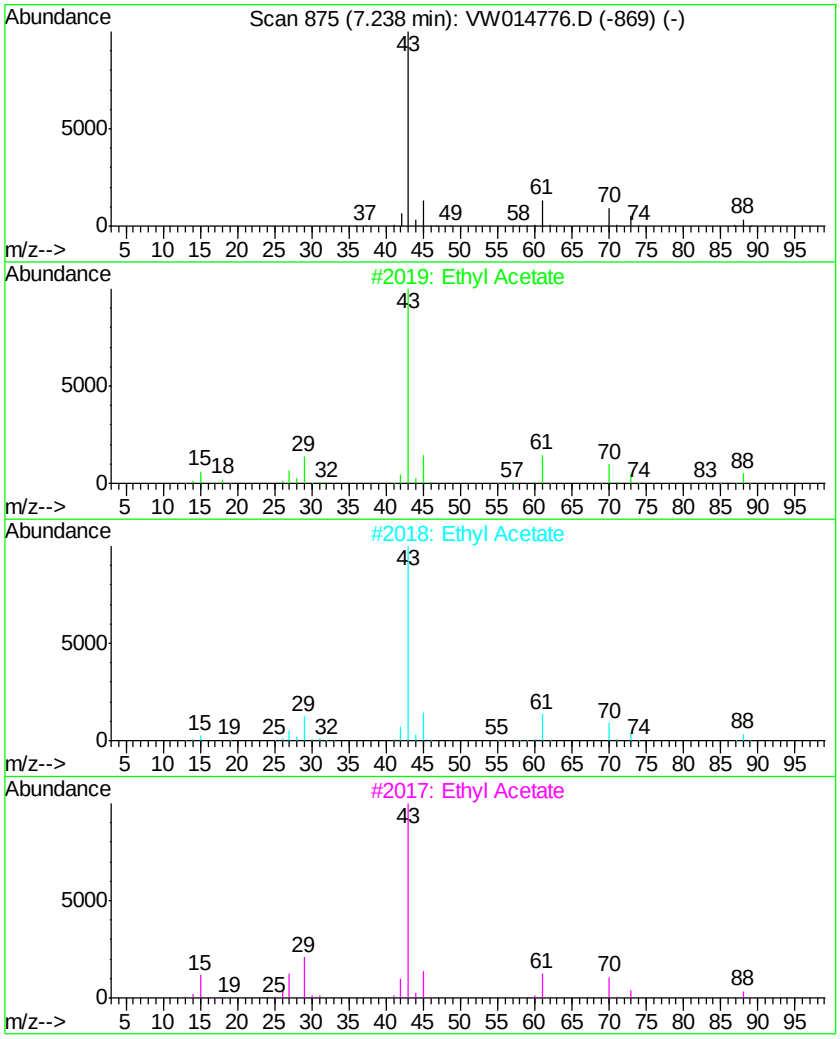
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

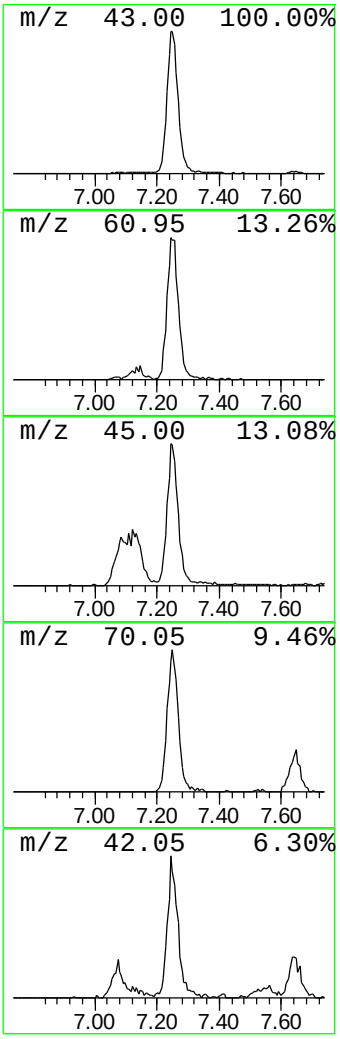
**********

Peak Number 1 Ethyl Acetate Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.24 | 2.99 ug/L | 277765 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 90 |
| 2 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 3 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 86 |
| 4 | CH3C(O)CH2CH2OH | 88 | C4H8O2 | 000590-90-9 | 53 |
| 5 | 1,4-Butanediol, diacetate | 174 | C8H14O4 | 000628-67-1 | 28 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

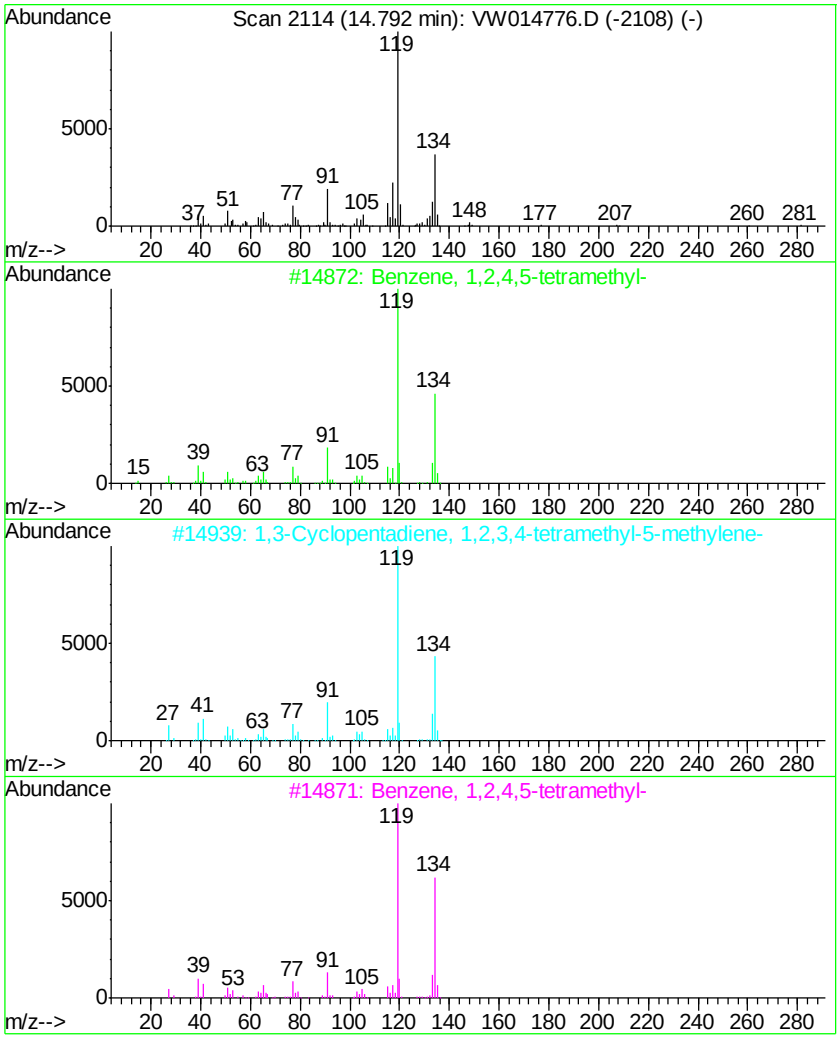
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

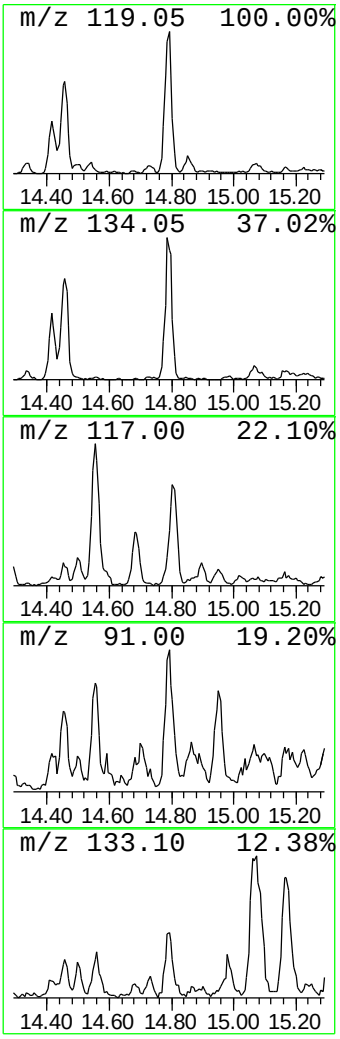
**********

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.79 | 2.10 ug/L | 189904 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 2 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 93 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 87 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 87 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

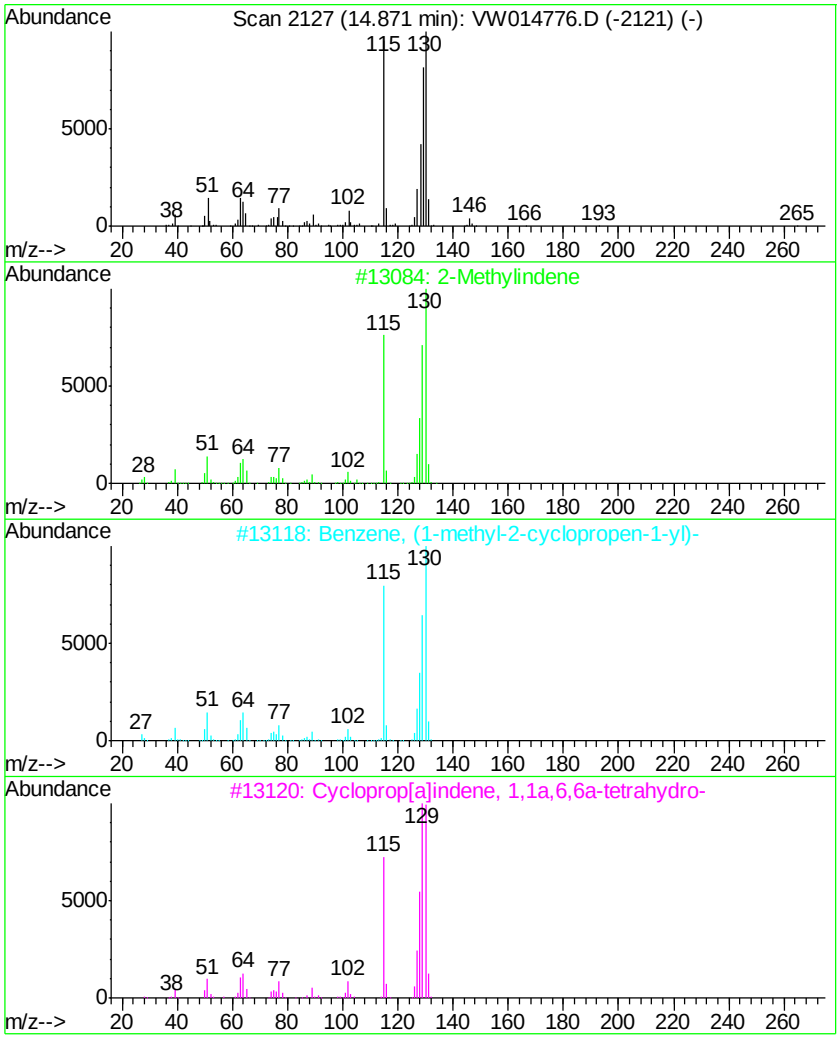
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

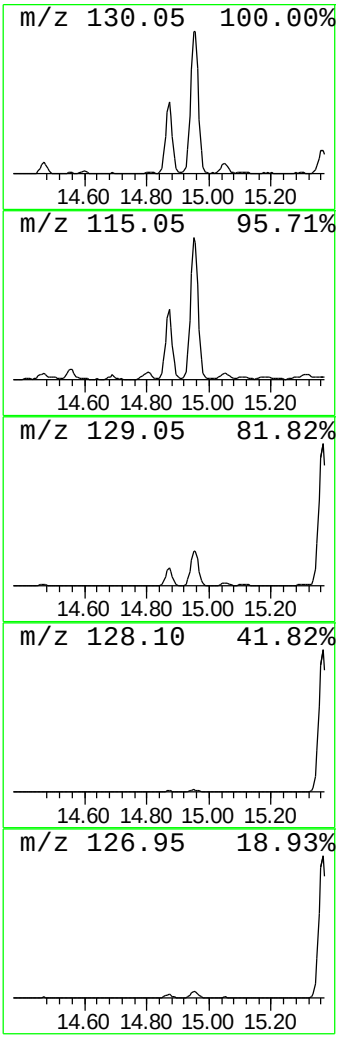
**********

Peak Number 4 2-Methylindene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.87 | 4.47 ug/L | 404685 | 1,4-Dichlorobenzene-d4 | 13.55 |

| 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 | 95 |
| 3 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 93 |
| 4 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 93 |
| 5 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

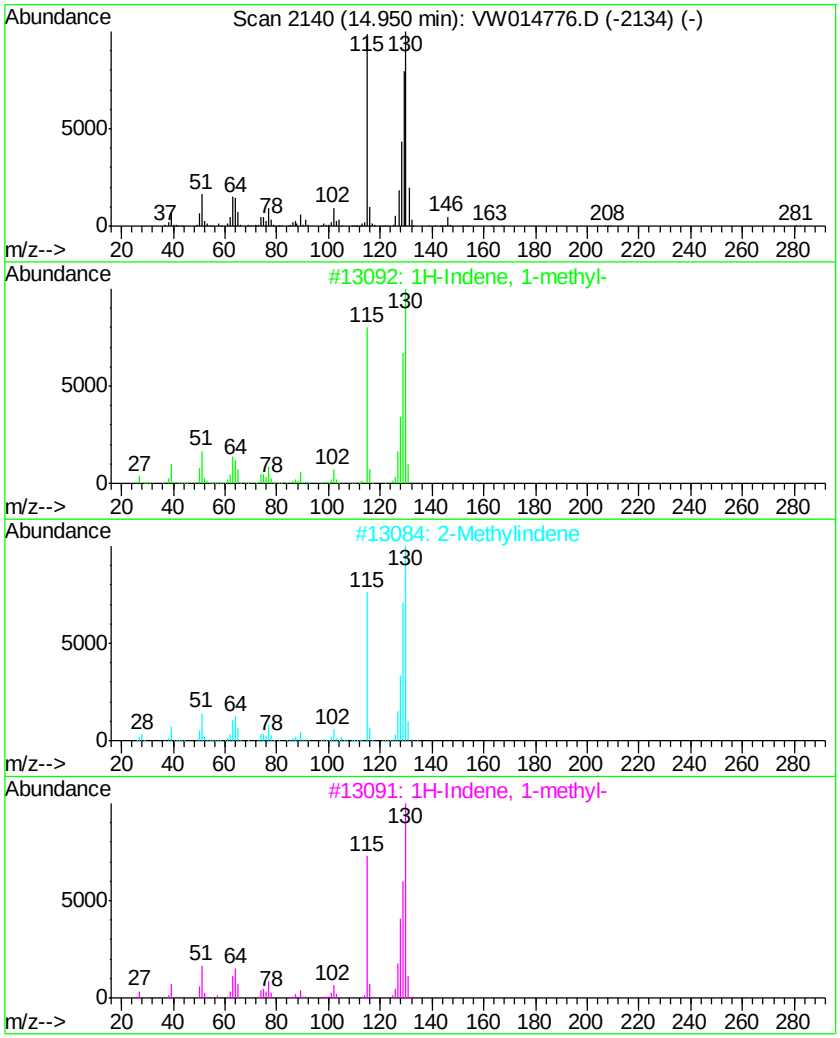
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

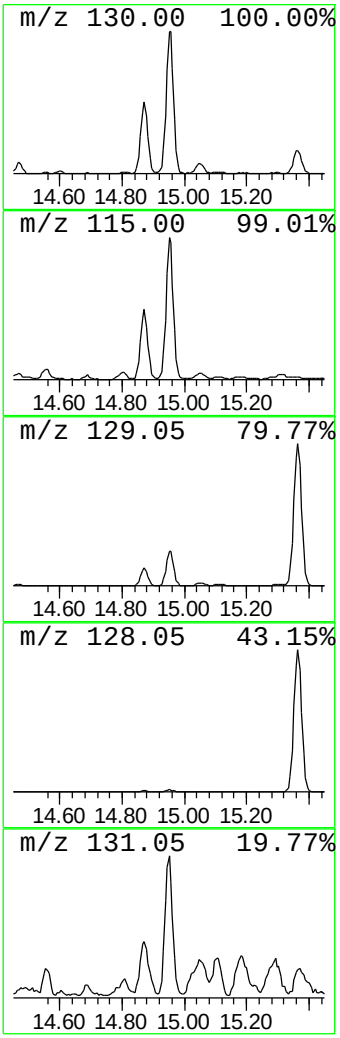
**********

Peak Number 5 1H-Indene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.95 | 9.04 ug/L | 819605 | 1,4-Dichlorobenzene-d4 | 13.55 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

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

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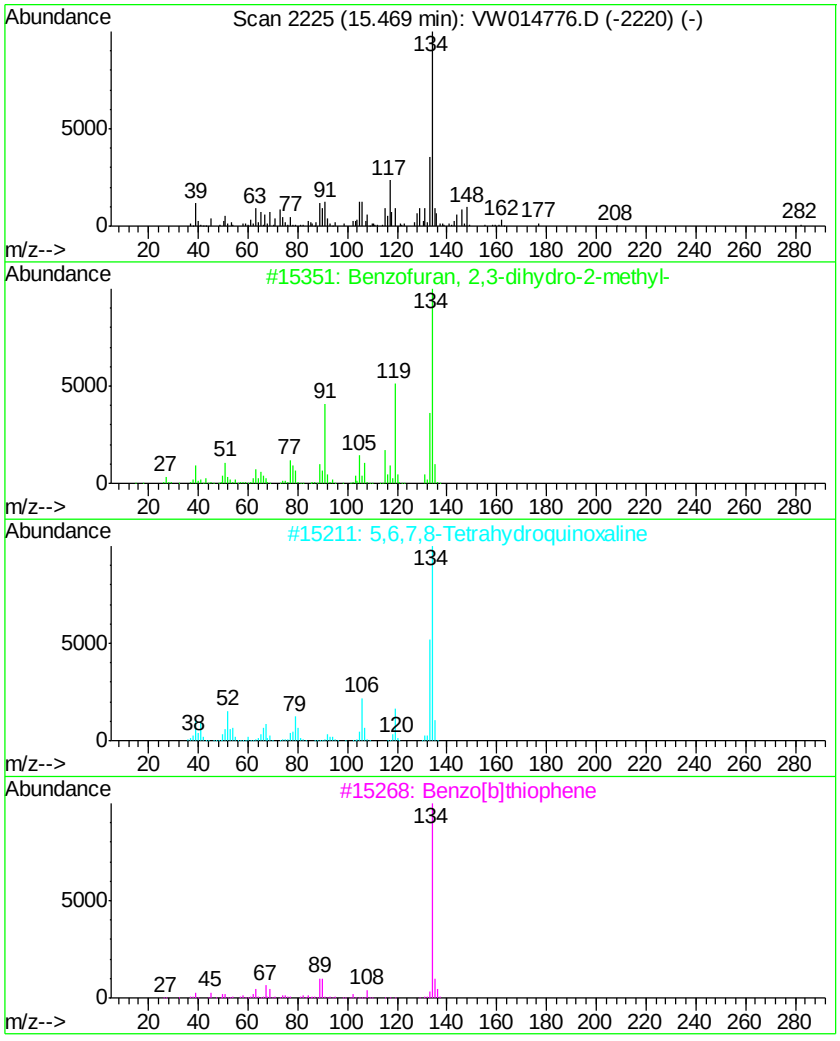
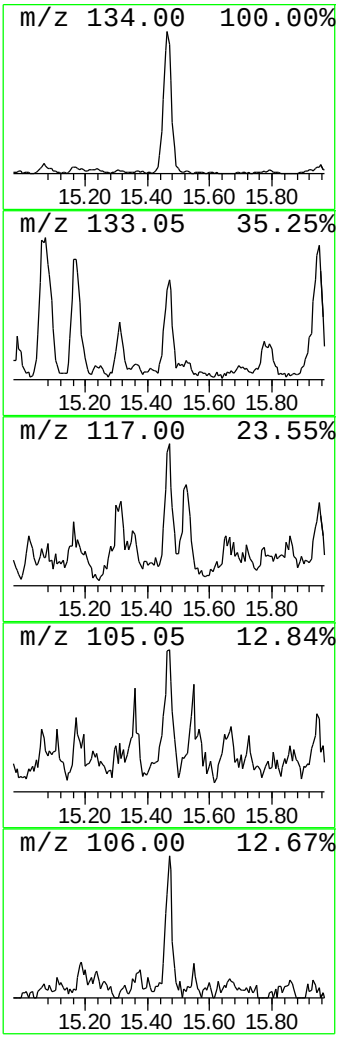
Peak Number 7 Benzofuran, 2,3-dihydro-2-m... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.47 | 1.51 ug/L | 136800 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2,3-dihydro-2-methyl- | 134 | C9H10O | 001746-11-8 | 58 |
| 2 | 5,6,7,8-Tetrahydroquinoxaline | 134 | C8H10N2 | 034413-35-9 | 53 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 50 |
| 4 | 2-(1-Cyclopentenyl)furan | 134 | C9H10O | 115754-78-4 | 50 |
| 5 | 2-Allylphenol | 134 | C9H10O | 001745-81-9 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

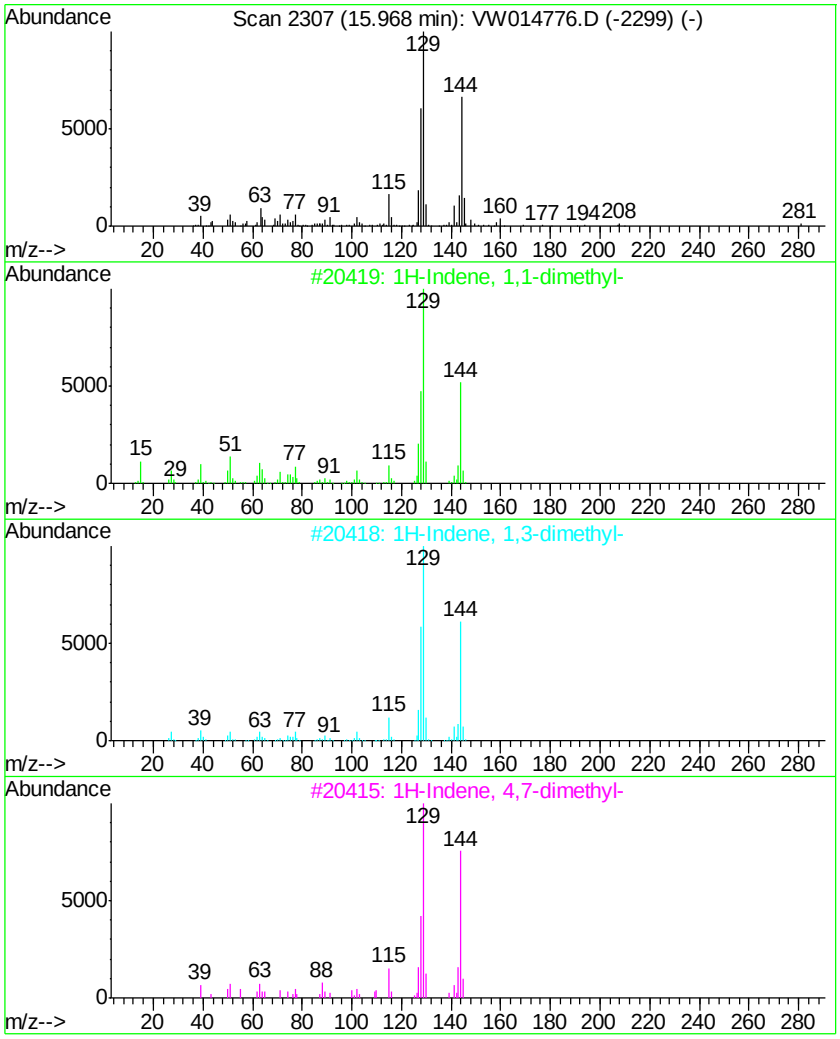
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

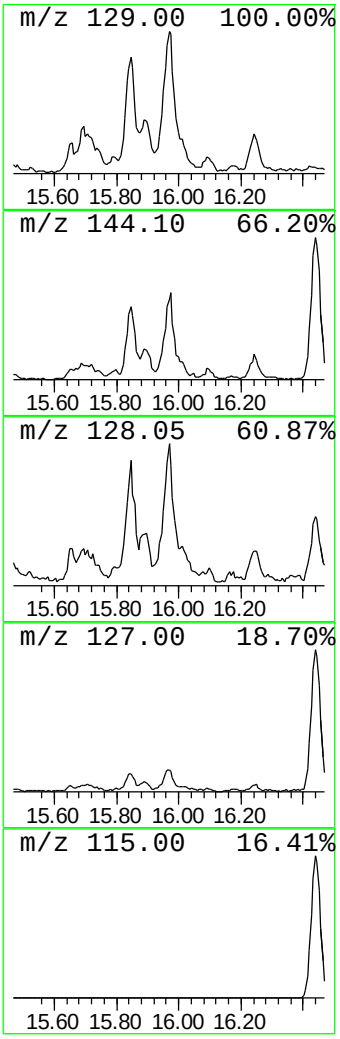
**********

Peak Number 8 1H-Indene, 1,1-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.97 | 2.44 ug/L | 221192 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1,1-dimethyl- | 144 | C11H12 | 018636-55-0 | 91 |
| 2 | 1H-Indene, 1,3-dimethyl- | 144 | C11H12 | 002177-48-2 | 87 |
| 3 | 1H-Indene, 4,7-dimethyl- | 144 | C11H12 | 006974-97-6 | 87 |
| 4 | (1-Methylbuta-1,3-dienyl)benzene | 144 | C11H12 | 054758-36-0 | 87 |
| 5 | Benzene, 1-cyclopenten-1-yl- | 144 | C11H12 | 000825-54-7 | 86 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

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

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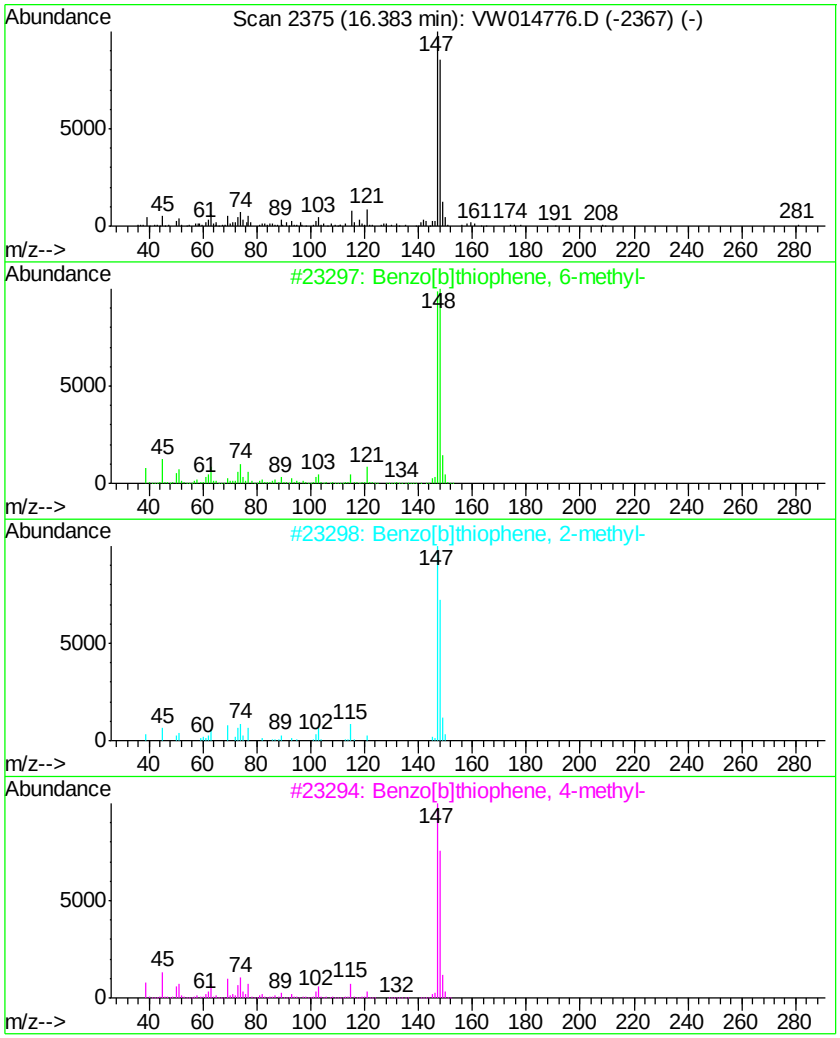
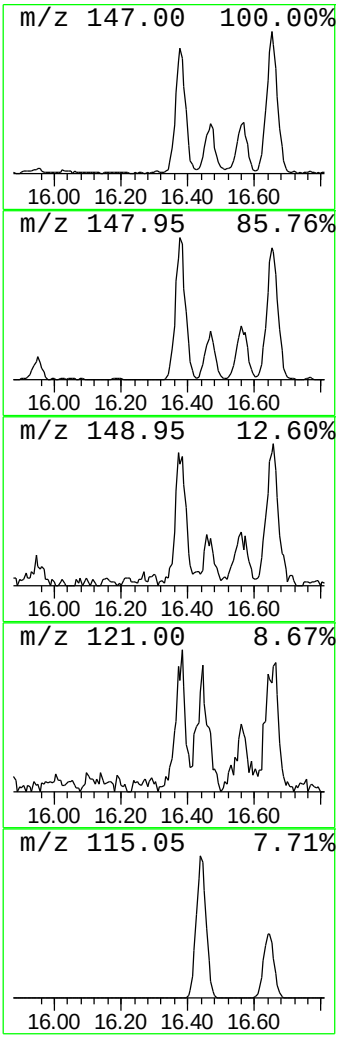
Peak Number 9 Benzo[b]thiophene, 6-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.38 | 1.61 ug/L | 145649 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S | 016587-47-6 | 91 |
| 2 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 90 |
| 3 | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S | 014315-11-8 | 90 |
| 4 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 90 |
| 5 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

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

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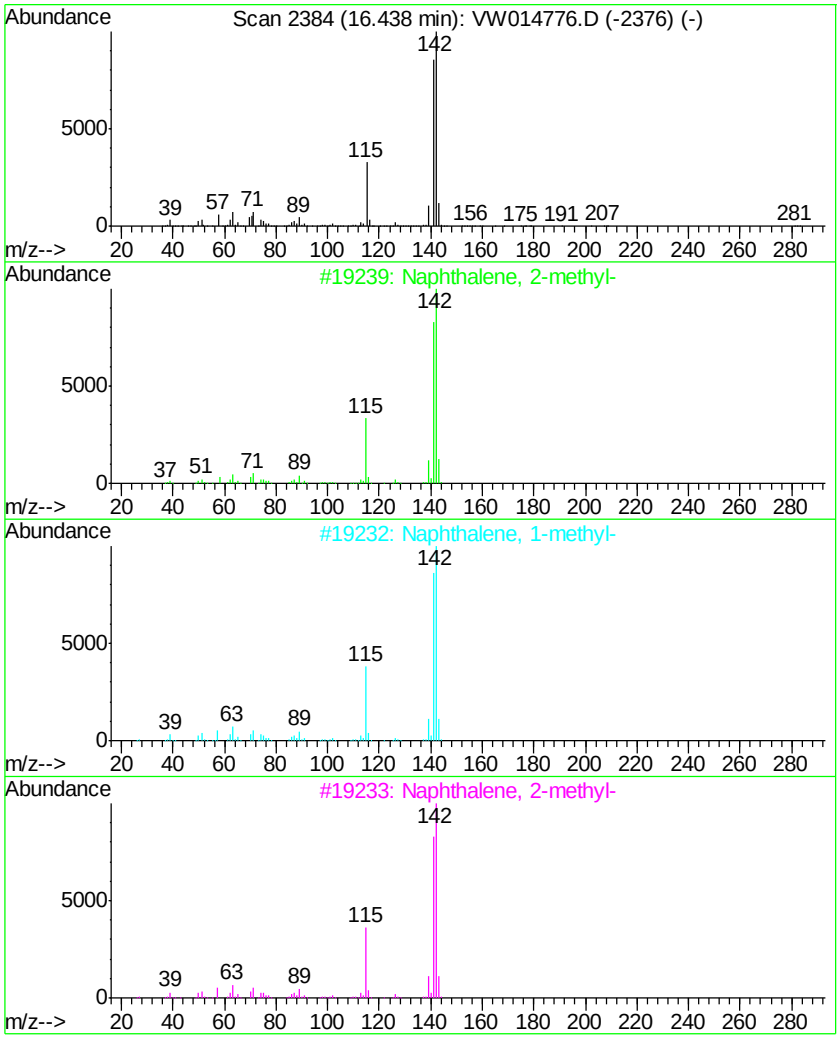
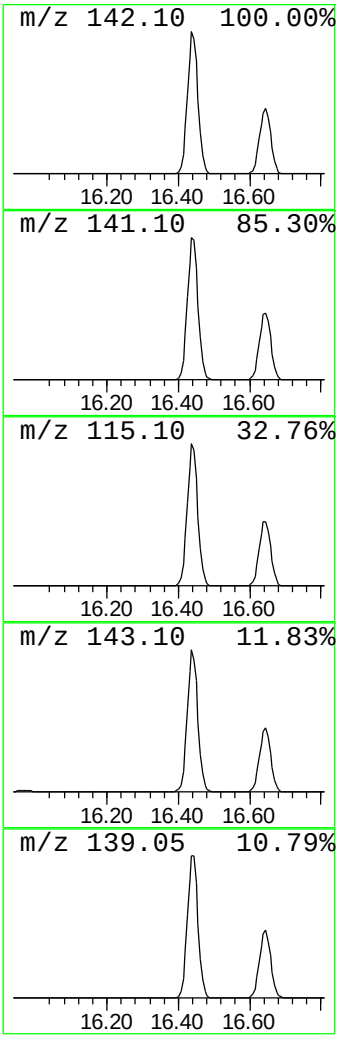
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.44 | 288.40 ug/L | 26138900 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 97 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 97 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 97 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 95 |
| 5 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012720\
Data File : VW014776.D
Acq On : 27 Jan 2020 20:05
Operator : SY/VA
Sample : L1271-14
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.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 |
| Ethyl Acetate | 7.24 | 3.0 | ug/L | 277765 | 1 | 8.84 | 2324010 | 25.0 |
| Benzene, 1,2,4,5-... | 14.79 | 2.1 | ug/L | 189904 | 3 | 13.55 | 2265840 | 25.0 |
| 2-Methylindene | 14.87 | 4.5 | ug/L | 404685 | 3 | 13.55 | 2265840 | 25.0 |
| 1H-Indene, 1-methyl- | 14.95 | 9.0 | ug/L | 819605 | 3 | 13.55 | 2265840 | 25.0 |
| Benzofuran, 2,3-d... | 15.47 | 1.5 | ug/L | 136800 | 3 | 13.55 | 2265840 | 25.0 |
| 1H-Indene, 1,1-di... | 15.97 | 2.4 | ug/L | 221192 | 3 | 13.55 | 2265840 | 25.0 |
| Benzo[b]thiophene... | 16.38 | 1.6 | ug/L | 145649 | 3 | 13.55 | 2265840 | 25.0 |
| Naphthalene, 1-me... | 16.44 | 288.4 | ug/L | 26138900 | 3 | 13.55 | 2265840 | 25.0 |