LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111119\
Data File : VW013970.D
Acq On : 11 Nov 2019 20:11
Operator : SY/VA
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK02

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 | 1.959 | 6 | 9 | 16 | rVB3 | 2966 | 5365 | 0.39% | 0.052% |
| 2 | 2.154 | 35 | 41 | 62 | rBV | 49397 | 149884 | 10.77% | 1.451% |
| 3 | 2.349 | 67 | 73 | 88 | rVB | 90719 | 188006 | 13.51% | 1.821% |
| 4 | 2.885 | 153 | 161 | 173 | rBV | 60358 | 155506 | 11.17% | 1.506% |
| 5 | 3.141 | 201 | 203 | 212 | rVB3 | 2402 | 3804 | 0.27% | 0.037% |
| 6 | 3.385 | 235 | 243 | 254 | rVB4 | 2632 | 7660 | 0.55% | 0.074% |
| 7 | 3.574 | 272 | 274 | 277 | rVB3 | 561 | 558 | 0.04% | 0.005% |
| 8 | 4.019 | 334 | 347 | 373 | rVV | 144312 | 488579 | 35.10% | 4.731% |
| 9 | 4.190 | 373 | 375 | 377 | rVV3 | 511 | 533 | 0.04% | 0.005% |
| 10 | 4.397 | 402 | 409 | 412 | rVV4 | 1252 | 2473 | 0.18% | 0.024% |
| 11 | 4.922 | 485 | 495 | 499 | rBV4 | 5515 | 18615 | 1.34% | 0.180% |
| 12 | 5.104 | 520 | 525 | 527 | rBV3 | 481 | 784 | 0.06% | 0.008% |
| 13 | 5.653 | 612 | 615 | 618 | rVB2 | 414 | 495 | 0.04% | 0.005% |
| 14 | 5.745 | 622 | 630 | 631 | rBV6 | 1411 | 2854 | 0.21% | 0.028% |
| 15 | 5.934 | 654 | 661 | 669 | rVV4 | 2927 | 8095 | 0.58% | 0.078% |
| 16 | 7.074 | 838 | 848 | 853 | rBV | 44596 | 123576 | 8.88% | 1.197% |
| 17 | 7.135 | 853 | 858 | 868 | rVB | 49987 | 134589 | 9.67% | 1.303% |
| 18 | 7.647 | 931 | 942 | 954 | rVB | 215763 | 521096 | 37.44% | 5.046% |
| 19 | 7.952 | 986 | 992 | 997 | rVV5 | 1665 | 3506 | 0.25% | 0.034% |
| 20 | 8.067 | 1007 | 1011 | 1013 | rVV2 | 436 | 711 | 0.05% | 0.007% |
| 21 | 8.269 | 1033 | 1044 | 1062 | rBV2 | 466166 | 1391921 | 100.00% | 13.478% |
| 22 | 8.403 | 1064 | 1066 | 1069 | rVB3 | 858 | 886 | 0.06% | 0.009% |
| 23 | 8.494 | 1079 | 1081 | 1086 | rVV3 | 357 | 624 | 0.04% | 0.006% |
| 24 | 8.628 | 1099 | 1103 | 1105 | rVV2 | 433 | 686 | 0.05% | 0.007% |
| 25 | 8.701 | 1112 | 1115 | 1118 | rVB3 | 753 | 667 | 0.05% | 0.006% |
| 26 | 8.842 | 1128 | 1138 | 1149 | rBV | 334093 | 673296 | 48.37% | 6.520% |
| 27 | 9.043 | 1166 | 1171 | 1172 | rBV2 | 546 | 837 | 0.06% | 0.008% |
| 28 | 9.085 | 1172 | 1178 | 1182 | rVB6 | 1772 | 3759 | 0.27% | 0.036% |
| 29 | 9.274 | 1198 | 1209 | 1220 | rVV | 295536 | 596713 | 42.87% | 5.778% |
| 30 | 9.348 | 1220 | 1221 | 1228 | rVV3 | 2178 | 2522 | 0.18% | 0.024% |
| 31 | 9.396 | 1228 | 1229 | 1232 | rVV2 | 941 | 650 | 0.05% | 0.006% |
| 32 | 9.591 | 1255 | 1261 | 1265 | rBV5 | 845 | 1419 | 0.10% | 0.014% |
| 33 | 9.652 | 1266 | 1271 | 1276 | rVV3 | 896 | 1338 | 0.10% | 0.013% |
| 34 | 9.750 | 1283 | 1287 | 1294 | rBV4 | 1299 | 2801 | 0.20% | 0.027% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111119\
Data File : VW013970.D
Acq On : 11 Nov 2019 20:11
Operator : SY/VA
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK02

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 | 9.890 | 1301 | 1310 | 1319 | rBV5 | 5122 | 11067 | 0.80% | 0.107% |
| 36 | 10.030 | 1319 | 1333 | 1344 | rBV | 168367 | 311702 | 22.39% | 3.018% |
| 37 | 10.213 | 1357 | 1363 | 1364 | rBV4 | 2504 | 3460 | 0.25% | 0.034% |
| 38 | 10.244 | 1366 | 1368 | 1373 | rVV3 | 3633 | 5130 | 0.37% | 0.050% |
| 39 | 10.323 | 1373 | 1381 | 1389 | rVV | 664300 | 1176022 | 84.49% | 11.388% |
| 40 | 10.384 | 1389 | 1391 | 1399 | rVB4 | 3690 | 5302 | 0.38% | 0.051% |
| 41 | 10.506 | 1405 | 1411 | 1414 | rBV4 | 481 | 868 | 0.06% | 0.008% |
| 42 | 10.579 | 1414 | 1423 | 1432 | rVV | 107470 | 193819 | 13.92% | 1.877% |
| 43 | 10.701 | 1436 | 1443 | 1452 | rVV | 91234 | 163734 | 11.76% | 1.585% |
| 44 | 10.768 | 1452 | 1454 | 1459 | rVV3 | 1231 | 1792 | 0.13% | 0.017% |
| 45 | 10.847 | 1462 | 1467 | 1472 | rVV4 | 2998 | 5705 | 0.41% | 0.055% |
| 46 | 10.921 | 1472 | 1479 | 1496 | rVV | 185901 | 313730 | 22.54% | 3.038% |
| 47 | 11.061 | 1496 | 1502 | 1511 | rVV | 33752 | 58310 | 4.19% | 0.565% |
| 48 | 11.128 | 1511 | 1513 | 1515 | rVB2 | 1053 | 815 | 0.06% | 0.008% |
| 49 | 11.170 | 1515 | 1520 | 1525 | rBV4 | 5106 | 8556 | 0.61% | 0.083% |
| 50 | 11.335 | 1543 | 1547 | 1550 | rBV3 | 900 | 1122 | 0.08% | 0.011% |
| 51 | 11.439 | 1555 | 1564 | 1572 | rVB | 32179 | 57831 | 4.15% | 0.560% |
| 52 | 11.628 | 1587 | 1595 | 1604 | rBV | 505292 | 862811 | 61.99% | 8.355% |
| 53 | 11.719 | 1608 | 1610 | 1612 | rVV3 | 805 | 732 | 0.05% | 0.007% |
| 54 | 11.841 | 1625 | 1630 | 1633 | rBV4 | 2087 | 3521 | 0.25% | 0.034% |
| 55 | 12.061 | 1662 | 1666 | 1667 | rBV3 | 395 | 533 | 0.04% | 0.005% |
| 56 | 12.164 | 1679 | 1683 | 1690 | rVB3 | 2576 | 4271 | 0.31% | 0.041% |
| 57 | 12.347 | 1709 | 1713 | 1715 | rVB2 | 577 | 563 | 0.04% | 0.005% |
| 58 | 12.463 | 1726 | 1732 | 1739 | rVB4 | 3486 | 6056 | 0.44% | 0.059% |
| 59 | 12.609 | 1749 | 1756 | 1762 | rBV | 67818 | 113092 | 8.12% | 1.095% |
| 60 | 12.688 | 1762 | 1769 | 1777 | rVV | 240515 | 404346 | 29.05% | 3.915% |
| 61 | 12.762 | 1777 | 1781 | 1785 | rVB3 | 1234 | 2237 | 0.16% | 0.022% |
| 62 | 12.859 | 1794 | 1797 | 1804 | rBV3 | 785 | 1343 | 0.10% | 0.013% |
| 63 | 12.932 | 1804 | 1809 | 1817 | rBV2 | 10853 | 19094 | 1.37% | 0.185% |
| 64 | 13.012 | 1820 | 1822 | 1823 | rBV | 981 | 821 | 0.06% | 0.008% |
| 65 | 13.036 | 1823 | 1826 | 1829 | rVV3 | 2054 | 2801 | 0.20% | 0.027% |
| 66 | 13.085 | 1829 | 1834 | 1837 | rVB4 | 1572 | 2858 | 0.21% | 0.028% |
| 67 | 13.152 | 1843 | 1845 | 1847 | rBV3 | 696 | 538 | 0.04% | 0.005% |
| 68 | 13.182 | 1847 | 1850 | 1852 | rVV3 | 1679 | 2088 | 0.15% | 0.020% |
| 69 | 13.249 | 1856 | 1861 | 1863 | rVV3 | 1942 | 2704 | 0.19% | 0.026% |
| 70 | 13.298 | 1863 | 1869 | 1875 | rVB4 | 5769 | 10516 | 0.76% | 0.102% |
| 71 | 13.408 | 1880 | 1887 | 1892 | rBV5 | 3750 | 6833 | 0.49% | 0.066% |

LSC Area Percent Report

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Operator : SY/VA
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK02

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 | 13.469 | 1892 | 1897 | 1899 | rBV4 | 2172 | 3021 | 0.22% | 0.029% |
| 73 | 13.505 | 1899 | 1903 | 1905 | rVV3 | 2791 | 4185 | 0.30% | 0.041% |
| 74 | 13.554 | 1905 | 1911 | 1925 | rVB | 608052 | 994553 | 71.45% | 9.631% |
| 75 | 13.761 | 1940 | 1945 | 1949 | rBV4 | 4262 | 7270 | 0.52% | 0.070% |
| 76 | 13.804 | 1949 | 1952 | 1953 | rBV3 | 1602 | 1813 | 0.13% | 0.018% |
| 77 | 13.853 | 1953 | 1960 | 1967 | rBV | 581585 | 957419 | 68.78% | 9.271% |
| 78 | 14.024 | 1985 | 1988 | 1989 | rBV3 | 1354 | 1139 | 0.08% | 0.011% |
| 79 | 14.066 | 1990 | 1995 | 2002 | rVB2 | 23621 | 39051 | 2.81% | 0.378% |
| 80 | 14.194 | 2011 | 2016 | 2023 | rBV7 | 2835 | 5670 | 0.41% | 0.055% |
| 81 | 14.322 | 2033 | 2037 | 2041 | rBV5 | 1278 | 2440 | 0.18% | 0.024% |
| 82 | 14.432 | 2053 | 2055 | 2058 | rVB3 | 811 | 679 | 0.05% | 0.007% |
| 83 | 14.499 | 2060 | 2066 | 2067 | rBV3 | 729 | 1050 | 0.08% | 0.010% |
| 84 | 14.633 | 2083 | 2088 | 2092 | rVB4 | 2586 | 3836 | 0.28% | 0.037% |
| 85 | 14.664 | 2092 | 2093 | 2096 | rBV2 | 782 | 647 | 0.05% | 0.006% |
| 86 | 14.713 | 2096 | 2101 | 2103 | rBV4 | 814 | 1496 | 0.11% | 0.014% |
| 87 | 14.737 | 2103 | 2105 | 2106 | rVV2 | 987 | 759 | 0.05% | 0.007% |
| 88 | 14.908 | 2131 | 2133 | 2135 | rVB3 | 933 | 610 | 0.04% | 0.006% |
| 89 | 15.030 | 2150 | 2153 | 2155 | rBV3 | 500 | 744 | 0.05% | 0.007% |
| 90 | 15.170 | 2175 | 2176 | 2181 | rVB4 | 1225 | 986 | 0.07% | 0.010% |
| 91 | 15.353 | 2204 | 2206 | 2208 | rBV2 | 857 | 1046 | 0.08% | 0.010% |
| 92 | 15.438 | 2212 | 2220 | 2226 | rVV2 | 14260 | 26382 | 1.90% | 0.255% |
| 93 | 15.499 | 2226 | 2230 | 2235 | rVV5 | 2104 | 4013 | 0.29% | 0.039% |
| 94 | 15.554 | 2238 | 2239 | 2245 | rVB5 | 1688 | 2224 | 0.16% | 0.022% |
| 95 | 15.773 | 2273 | 2275 | 2276 | rBV2 | 824 | 552 | 0.04% | 0.005% |
| 96 | 15.846 | 2285 | 2287 | 2289 | rVB2 | 1099 | 809 | 0.06% | 0.008% |
| 97 | 16.096 | 2325 | 2328 | 2329 | rBV2 | 778 | 1049 | 0.08% | 0.010% |
| 98 | 16.212 | 2346 | 2347 | 2351 | rBV3 | 538 | 531 | 0.04% | 0.005% |
| 99 | 16.377 | 2372 | 2374 | 2377 | rBV2 | 519 | 647 | 0.05% | 0.006% |
| 100 | 16.438 | 2381 | 2384 | 2386 | rBV4 | 869 | 827 | 0.06% | 0.008% |

Sum of corrected areas: 10326979

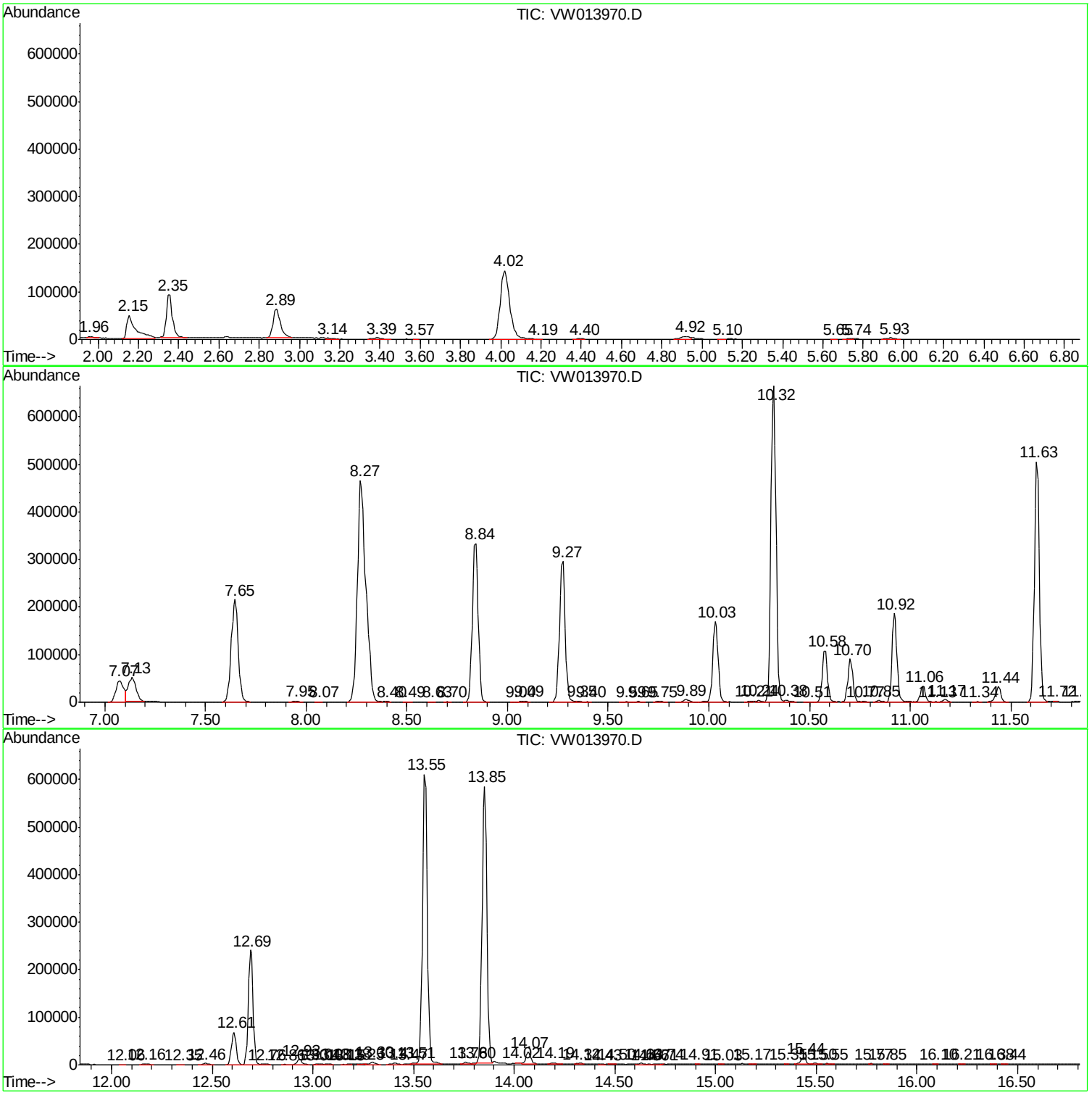
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013970.D
Acq On : 11 Nov 2019 20:11
Operator : SY/VA
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK02

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 : VW013970.D
Acq On : 11 Nov 2019 20:11
Operator : SY/VA
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK02

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

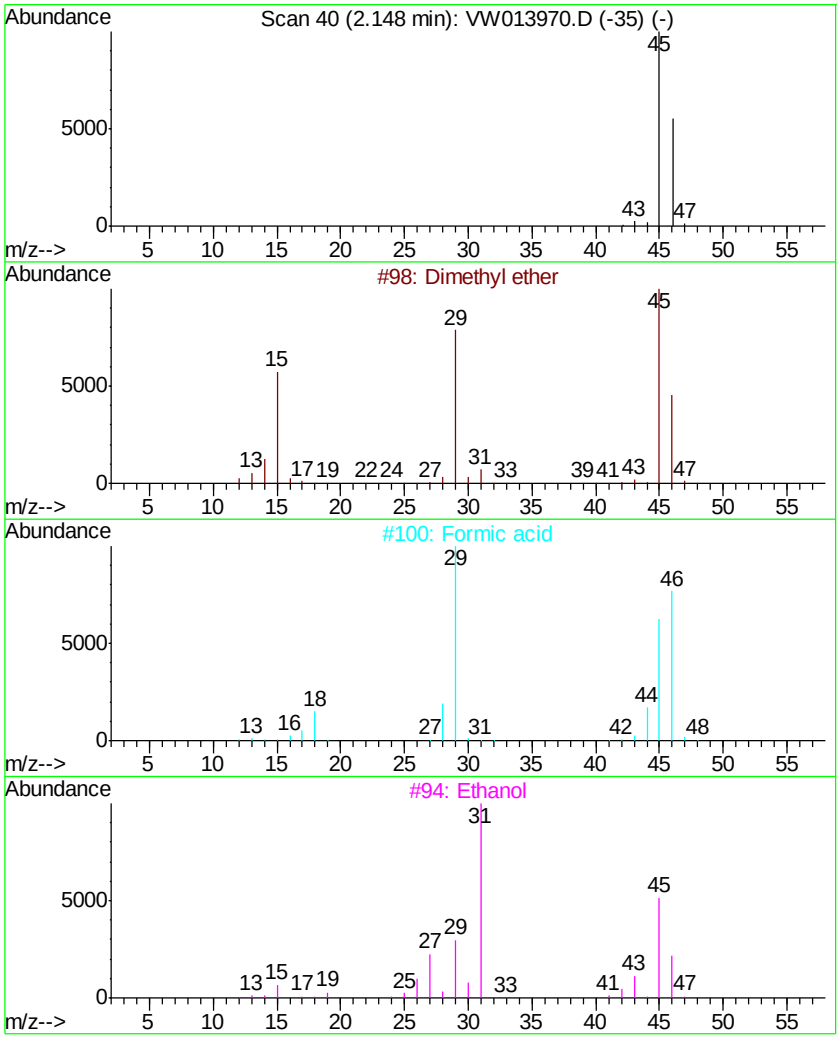
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

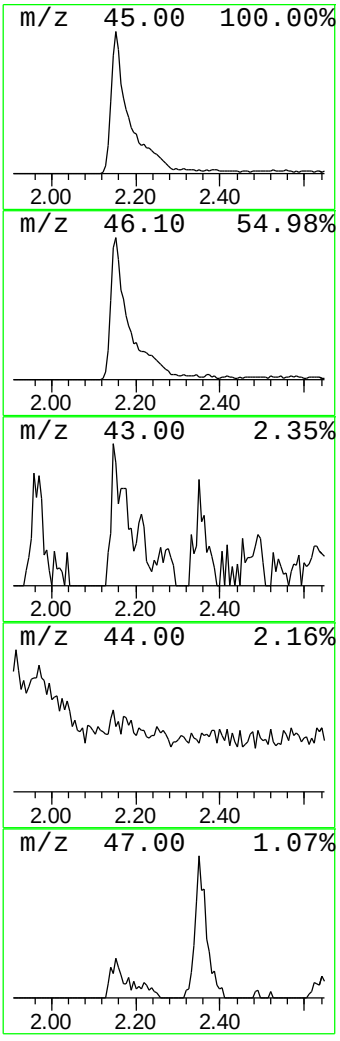
**********

Peak Number 1 Dimethyl ether Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.15 | 5.57 ug/L | 149884 | 1,4-Difluorobenzene | 8.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl ether | 46 | C2H6O | 000115-10-6 | 74 |
| 2 | Formic acid | 46 | CH2O2 | 000064-18-6 | 7 |
| 3 | Ethanol | 46 | C2H6O | 000064-17-5 | 7 |
| 4 | Ethanol | 46 | C2H6O | 000064-17-5 | 7 |
| 5 | Dimethyl ether | 46 | C2H6O | 000115-10-6 | 7 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111119\
Data File : VW013970.D
Acq On : 11 Nov 2019 20:11
Operator : SY/VA
Sample : VIBLK02
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK02

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 | 5.6 | ug/L | 149884 | 1 | 8.84 | 673296 | 25.0 |