LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082021\
Data File : VV021909.D
Acq On : 20 Aug 2021 12:59
Operator : SY/MD
Sample : M3464-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK001

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_V\Method\SFAMVLM081621WMA.M
Title : VOC Analysis

Signal : TIC: VV021909.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.304 | 76 | 82 | 96 | rVB | 182594 | 182014 | 14.64% | 1.916% |
| 2 | 1.561 | 154 | 162 | 178 | rVB | 137936 | 163402 | 13.15% | 1.720% |
| 3 | 2.104 | 321 | 331 | 353 | rVB | 283434 | 417209 | 33.57% | 4.392% |
| 4 | 2.632 | 491 | 495 | 497 | rVB2 | 397 | 256 | 0.02% | 0.003% |
| 5 | 2.789 | 541 | 544 | 545 | rBV | 241 | 153 | 0.01% | 0.002% |
| 6 | 3.053 | 622 | 626 | 628 | rBV | 288 | 211 | 0.02% | 0.002% |
| 7 | 3.204 | 671 | 673 | 678 | rBV2 | 300 | 216 | 0.02% | 0.002% |
| 8 | 3.230 | 678 | 681 | 683 | rVB2 | 253 | 154 | 0.01% | 0.002% |
| 9 | 3.342 | 714 | 716 | 719 | rVB | 273 | 168 | 0.01% | 0.002% |
| 10 | 3.484 | 758 | 760 | 767 | rVB2 | 513 | 477 | 0.04% | 0.005% |
| 11 | 3.538 | 773 | 777 | 779 | rBV2 | 397 | 228 | 0.02% | 0.002% |
| 12 | 3.712 | 828 | 831 | 836 | rVB | 467 | 281 | 0.02% | 0.003% |
| 13 | 3.876 | 873 | 882 | 908 | rBV | 101529 | 259127 | 20.85% | 2.728% |
| 14 | 4.355 | 1015 | 1031 | 1064 | rBV | 192487 | 476567 | 38.34% | 5.017% |
| 15 | 4.548 | 1089 | 1091 | 1093 | rVB2 | 675 | 250 | 0.02% | 0.003% |
| 16 | 4.593 | 1099 | 1105 | 1108 | rBV4 | 498 | 591 | 0.05% | 0.006% |
| 17 | 4.654 | 1121 | 1124 | 1127 | rVB | 610 | 326 | 0.03% | 0.003% |
| 18 | 4.686 | 1133 | 1134 | 1139 | rBV2 | 262 | 161 | 0.01% | 0.002% |
| 19 | 4.764 | 1155 | 1158 | 1162 | rVB3 | 598 | 484 | 0.04% | 0.005% |
| 20 | 4.792 | 1162 | 1167 | 1171 | rBV2 | 263 | 182 | 0.01% | 0.002% |
| 21 | 4.818 | 1171 | 1175 | 1180 | rBV2 | 427 | 357 | 0.03% | 0.004% |
| 22 | 4.844 | 1180 | 1183 | 1187 | rBV | 325 | 265 | 0.02% | 0.003% |
| 23 | 4.982 | 1223 | 1226 | 1229 | rBV | 252 | 207 | 0.02% | 0.002% |
| 24 | 5.050 | 1230 | 1247 | 1278 | rBV2 | 488661 | 1242969 | 100.00% | 13.085% |
| 25 | 5.317 | 1327 | 1330 | 1332 | rBV2 | 563 | 341 | 0.03% | 0.004% |
| 26 | 5.352 | 1338 | 1341 | 1344 | rVB | 456 | 328 | 0.03% | 0.003% |
| 27 | 5.391 | 1351 | 1353 | 1355 | rBV | 441 | 191 | 0.02% | 0.002% |
| 28 | 5.490 | 1379 | 1384 | 1388 | rBV3 | 562 | 637 | 0.05% | 0.007% |
| 29 | 5.551 | 1400 | 1403 | 1405 | rBV2 | 366 | 239 | 0.02% | 0.003% |
| 30 | 5.619 | 1412 | 1424 | 1451 | rBV | 404555 | 816143 | 65.66% | 8.592% |
| 31 | 5.908 | 1505 | 1514 | 1539 | rVB2 | 28024 | 61640 | 4.96% | 0.649% |
| 32 | 5.998 | 1539 | 1542 | 1548 | rBV4 | 383 | 386 | 0.03% | 0.004% |
| 33 | 6.075 | 1552 | 1566 | 1586 | rBV | 272003 | 551116 | 44.34% | 5.802% |
| 34 | 6.307 | 1636 | 1638 | 1642 | rVV2 | 401 | 201 | 0.02% | 0.002% |
| 35 | 6.326 | 1642 | 1644 | 1646 | rVB3 | 450 | 242 | 0.02% | 0.003% |
| 36 | 6.381 | 1656 | 1661 | 1662 | rBV2 | 269 | 134 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082021\
Data File : VV021909.D
Acq On : 20 Aug 2021 12:59
Operator : SY/MD
Sample : M3464-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK001

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_V\Method\SFAMVLM081621WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.426 | 1670 | 1675 | 1678 | rBV2 | 467 | 389 | 0.03% | 0.004% |
| 38 | 6.481 | 1689 | 1692 | 1695 | rVB3 | 529 | 239 | 0.02% | 0.003% |
| 39 | 6.551 | 1708 | 1714 | 1720 | rVB5 | 601 | 679 | 0.05% | 0.007% |
| 40 | 6.574 | 1720 | 1721 | 1724 | rBV | 336 | 139 | 0.01% | 0.001% |
| 41 | 6.596 | 1724 | 1728 | 1733 | rBV2 | 295 | 293 | 0.02% | 0.003% |
| 42 | 6.702 | 1758 | 1761 | 1764 | rVB | 478 | 315 | 0.03% | 0.003% |
| 43 | 6.718 | 1764 | 1766 | 1768 | rBV2 | 368 | 193 | 0.02% | 0.002% |
| 44 | 6.738 | 1768 | 1772 | 1774 | rBV | 390 | 255 | 0.02% | 0.003% |
| 45 | 6.770 | 1779 | 1782 | 1783 | rBV2 | 516 | 218 | 0.02% | 0.002% |
| 46 | 6.837 | 1801 | 1803 | 1806 | rBV2 | 419 | 243 | 0.02% | 0.003% |
| 47 | 6.908 | 1823 | 1825 | 1828 | rBV | 250 | 148 | 0.01% | 0.002% |
| 48 | 6.953 | 1835 | 1839 | 1840 | rBV | 506 | 282 | 0.02% | 0.003% |
| 49 | 6.992 | 1840 | 1851 | 1872 | rVV | 149751 | 268694 | 21.62% | 2.829% |
| 50 | 7.320 | 1941 | 1953 | 1972 | rBV | 598478 | 1023495 | 82.34% | 10.775% |
| 51 | 7.625 | 2038 | 2048 | 2070 | rBV | 97052 | 172227 | 13.86% | 1.813% |
| 52 | 7.805 | 2103 | 2104 | 2107 | rVB | 287 | 129 | 0.01% | 0.001% |
| 53 | 8.091 | 2184 | 2193 | 2230 | rBV2 | 253158 | 501888 | 40.38% | 5.283% |
| 54 | 8.336 | 2267 | 2269 | 2273 | rVB2 | 806 | 624 | 0.05% | 0.007% |
| 55 | 8.358 | 2273 | 2276 | 2281 | rVB5 | 473 | 343 | 0.03% | 0.004% |
| 56 | 8.384 | 2281 | 2284 | 2285 | rBV3 | 430 | 196 | 0.02% | 0.002% |
| 57 | 8.410 | 2289 | 2292 | 2294 | rBV2 | 430 | 328 | 0.03% | 0.003% |
| 58 | 8.529 | 2326 | 2329 | 2333 | rBV | 423 | 326 | 0.03% | 0.003% |
| 59 | 8.561 | 2336 | 2339 | 2344 | rVB2 | 391 | 320 | 0.03% | 0.003% |
| 60 | 8.593 | 2347 | 2349 | 2352 | rBV2 | 318 | 168 | 0.01% | 0.002% |
| 61 | 8.628 | 2357 | 2360 | 2364 | rBV3 | 483 | 342 | 0.03% | 0.004% |
| 62 | 8.680 | 2371 | 2376 | 2379 | rBV3 | 834 | 641 | 0.05% | 0.007% |
| 63 | 8.805 | 2410 | 2415 | 2418 | rBV2 | 428 | 393 | 0.03% | 0.004% |
| 64 | 8.857 | 2419 | 2431 | 2457 | rBV | 600228 | 982145 | 79.02% | 10.339% |
| 65 | 9.136 | 2516 | 2518 | 2521 | rBV3 | 434 | 340 | 0.03% | 0.004% |
| 66 | 9.287 | 2563 | 2565 | 2567 | rBV2 | 332 | 136 | 0.01% | 0.001% |
| 67 | 9.394 | 2595 | 2598 | 2603 | rBV2 | 363 | 271 | 0.02% | 0.003% |
| 68 | 9.538 | 2640 | 2643 | 2645 | rBV | 206 | 138 | 0.01% | 0.001% |
| 69 | 9.586 | 2656 | 2658 | 2661 | rBV2 | 294 | 137 | 0.01% | 0.001% |
| 70 | 9.805 | 2724 | 2726 | 2728 | rVB | 495 | 183 | 0.01% | 0.002% |
| 71 | 9.831 | 2731 | 2734 | 2737 | rVB2 | 395 | 248 | 0.02% | 0.003% |
| 72 | 9.976 | 2773 | 2779 | 2784 | rVB2 | 345 | 321 | 0.03% | 0.003% |
| 73 | 10.008 | 2784 | 2789 | 2792 | rBV2 | 425 | 306 | 0.02% | 0.003% |
| 74 | 10.033 | 2792 | 2797 | 2799 | rBV3 | 537 | 451 | 0.04% | 0.005% |
| 75 | 10.072 | 2807 | 2809 | 2811 | rBV3 | 404 | 179 | 0.01% | 0.002% |
| 76 | 10.130 | 2820 | 2827 | 2836 | rVV6 | 3096 | 4841 | 0.39% | 0.051% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082021\
Data File : VV021909.D
Acq On : 20 Aug 2021 12:59
Operator : SY/MD
Sample : M3464-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK001

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_V\Method\SFAMVLM081621WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.220 | 2843 | 2855 | 2876 | rBV | 347964 | 545197 | 43.86% | 5.739% |
| 78 | 10.461 | 2927 | 2930 | 2933 | rBV2 | 401 | 204 | 0.02% | 0.002% |
| 79 | 10.554 | 2957 | 2959 | 2961 | rBV3 | 453 | 237 | 0.02% | 0.002% |
| 80 | 10.664 | 2989 | 2993 | 2997 | rBV3 | 365 | 361 | 0.03% | 0.004% |
| 81 | 10.721 | 3007 | 3011 | 3012 | rBV2 | 263 | 190 | 0.02% | 0.002% |
| 82 | 10.879 | 3058 | 3060 | 3064 | rVB2 | 462 | 197 | 0.02% | 0.002% |
| 83 | 10.914 | 3064 | 3071 | 3072 | rBV5 | 1845 | 1690 | 0.14% | 0.018% |
| 84 | 11.146 | 3137 | 3143 | 3154 | rBV6 | 1386 | 2585 | 0.21% | 0.027% |
| 85 | 11.252 | 3164 | 3176 | 3194 | rBV | 593618 | 922334 | 74.20% | 9.710% |
| 86 | 11.432 | 3226 | 3232 | 3239 | rVB5 | 2133 | 3008 | 0.24% | 0.032% |
| 87 | 11.503 | 3251 | 3254 | 3255 | rBV5 | 486 | 284 | 0.02% | 0.003% |
| 88 | 11.570 | 3272 | 3275 | 3277 | rBV2 | 438 | 327 | 0.03% | 0.003% |
| 89 | 11.628 | 3280 | 3293 | 3313 | rVV | 555321 | 877162 | 70.57% | 9.234% |
| 90 | 11.757 | 3331 | 3333 | 3338 | rBV2 | 864 | 695 | 0.06% | 0.007% |
| 91 | 11.844 | 3356 | 3360 | 3364 | rBV4 | 797 | 661 | 0.05% | 0.007% |
| 92 | 12.085 | 3431 | 3435 | 3439 | rBV4 | 598 | 565 | 0.05% | 0.006% |
| 93 | 12.120 | 3444 | 3446 | 3450 | rBV3 | 217 | 130 | 0.01% | 0.001% |
| 94 | 12.381 | 3521 | 3527 | 3528 | rBV2 | 464 | 393 | 0.03% | 0.004% |
| 95 | 13.017 | 3723 | 3725 | 3730 | rBV2 | 407 | 315 | 0.03% | 0.003% |
| 96 | 13.239 | 3788 | 3794 | 3798 | rBV3 | 485 | 619 | 0.05% | 0.007% |
| 97 | 13.364 | 3831 | 3833 | 3835 | rBV2 | 378 | 192 | 0.02% | 0.002% |
| 98 | 13.461 | 3861 | 3863 | 3869 | rBV3 | 385 | 261 | 0.02% | 0.003% |
| 99 | 13.596 | 3902 | 3905 | 3908 | rBV2 | 382 | 314 | 0.03% | 0.003% |
| 100 | 14.194 | 4088 | 4091 | 4092 | rBV2 | 372 | 222 | 0.02% | 0.002% |

Sum of corrected areas: 9499199

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082021\
Data File : VV021909.D
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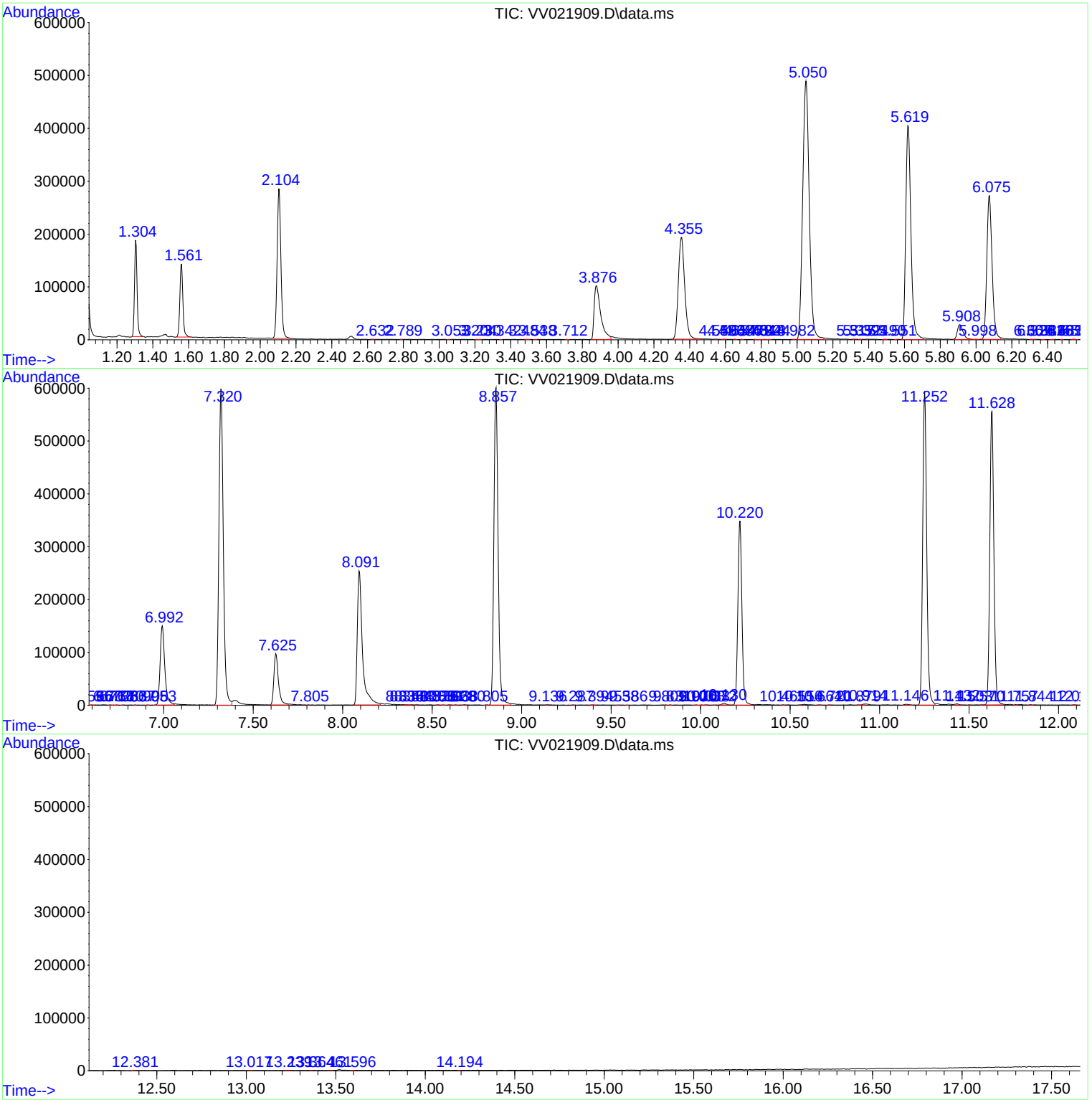
Sample : M3464-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082021\
Data File : VV021909.D
Acq On : 20 Aug 2021 12:59
Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis

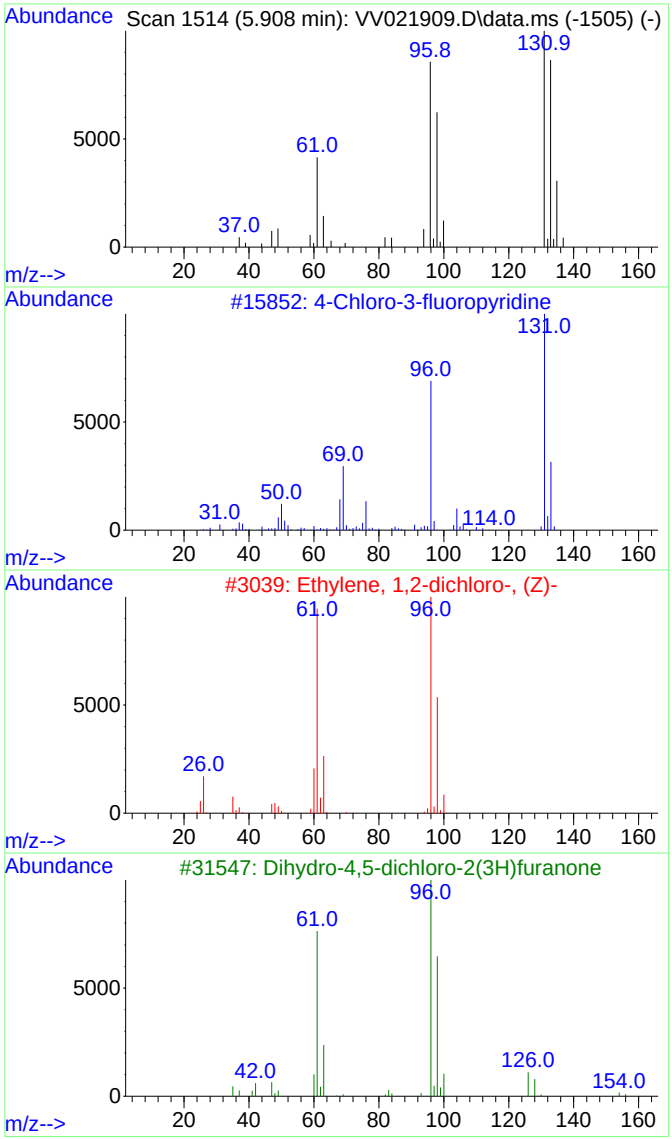
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

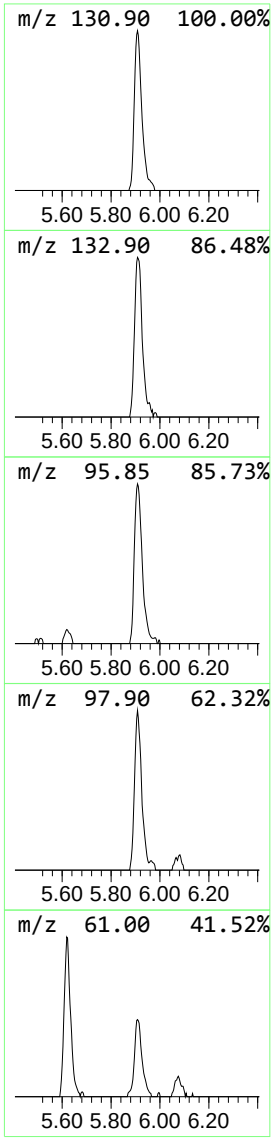
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.908 | 3.78 ug/L | 61640 | 1,4-Difluorobenzene | 5.622 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-3-fluoropyridine | 131 | C5H3ClFN | 002546-56-7 | 38 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 35 |
| 3 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 35 |
| 4 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 25 |
| 5 | 2-Chloro-5-methylthiazole | 133 | C4H4ClNS | 033342-65-3 | 12 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082021\
Data File : VV021909.D
Acq On : 20 Aug 2021 12:59
Operator : SY/MD
Sample : M3464-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 5.908 | 3.8 | ug/L | 61640 | 1 | 5.622 | 816143 | 50.0 |