LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092021\
Data File : VV022254.D
Acq On : 21 Sep 2021 00:15
Operator : SY/MD
Sample : M3788-16
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0CM2

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\SFAMVLM082721WMA.M
Title : VOC Analysis

Signal : TIC: VV022254.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.307 | 76 | 83 | 95 | rBV | 149259 | 156793 | 14.88% | 1.965% |
| 2 | 1.561 | 155 | 162 | 178 | rVB | 132516 | 150860 | 14.32% | 1.891% |
| 3 | 2.108 | 322 | 332 | 345 | rBV | 263589 | 386764 | 36.70% | 4.847% |
| 4 | 2.510 | 449 | 457 | 466 | rVB8 | 1602 | 2576 | 0.24% | 0.032% |
| 5 | 2.635 | 489 | 496 | 498 | rBV5 | 806 | 848 | 0.08% | 0.011% |
| 6 | 2.728 | 521 | 525 | 527 | rBV2 | 385 | 251 | 0.02% | 0.003% |
| 7 | 2.825 | 553 | 555 | 557 | rBV | 289 | 128 | 0.01% | 0.002% |
| 8 | 2.957 | 590 | 596 | 597 | rBV2 | 846 | 744 | 0.07% | 0.009% |
| 9 | 3.304 | 702 | 704 | 710 | rVB2 | 233 | 186 | 0.02% | 0.002% |
| 10 | 3.571 | 785 | 787 | 788 | rBV2 | 236 | 110 | 0.01% | 0.001% |
| 11 | 3.728 | 834 | 836 | 838 | rBV | 261 | 102 | 0.01% | 0.001% |
| 12 | 3.879 | 873 | 883 | 916 | rBV | 82387 | 229283 | 21.76% | 2.874% |
| 13 | 4.352 | 1013 | 1030 | 1058 | rBV | 166957 | 419433 | 39.80% | 5.257% |
| 14 | 4.616 | 1108 | 1112 | 1116 | rBV5 | 715 | 606 | 0.06% | 0.008% |
| 15 | 4.664 | 1123 | 1127 | 1129 | rBV | 463 | 416 | 0.04% | 0.005% |
| 16 | 4.860 | 1187 | 1188 | 1190 | rBV | 89 | 39 | 0.00% | 0.000% |
| 17 | 4.870 | 1190 | 1191 | 1192 | rBV | 353 | 97 | 0.01% | 0.001% |
| 18 | 4.879 | 1192 | 1194 | 1197 | rVV2 | 268 | 165 | 0.02% | 0.002% |
| 19 | 4.918 | 1204 | 1206 | 1208 | rBV | 166 | 75 | 0.01% | 0.001% |
| 20 | 5.050 | 1229 | 1247 | 1276 | rBV2 | 410988 | 1053747 | 100.00% | 13.206% |
| 21 | 5.403 | 1354 | 1357 | 1358 | rBV2 | 394 | 225 | 0.02% | 0.003% |
| 22 | 5.448 | 1368 | 1371 | 1374 | rBV2 | 278 | 223 | 0.02% | 0.003% |
| 23 | 5.548 | 1400 | 1402 | 1404 | rBV | 397 | 245 | 0.02% | 0.003% |
| 24 | 5.619 | 1411 | 1424 | 1460 | rBV | 342362 | 695388 | 65.99% | 8.715% |
| 25 | 5.905 | 1502 | 1513 | 1538 | rBV | 33973 | 70837 | 6.72% | 0.888% |
| 26 | 6.024 | 1548 | 1550 | 1552 | rBV | 378 | 218 | 0.02% | 0.003% |
| 27 | 6.072 | 1552 | 1565 | 1589 | rVV | 231561 | 475084 | 45.09% | 5.954% |
| 28 | 6.294 | 1631 | 1634 | 1636 | rBV2 | 287 | 206 | 0.02% | 0.003% |
| 29 | 6.442 | 1678 | 1680 | 1684 | rBV2 | 207 | 135 | 0.01% | 0.002% |
| 30 | 6.484 | 1691 | 1693 | 1696 | rBV | 151 | 100 | 0.01% | 0.001% |
| 31 | 6.516 | 1701 | 1703 | 1704 | rBV | 299 | 120 | 0.01% | 0.002% |
| 32 | 6.532 | 1706 | 1708 | 1709 | rBV2 | 358 | 202 | 0.02% | 0.003% |
| 33 | 6.657 | 1741 | 1747 | 1749 | rBV | 360 | 362 | 0.03% | 0.005% |
| 34 | 6.947 | 1834 | 1837 | 1838 | rBV | 380 | 207 | 0.02% | 0.003% |
| 35 | 6.989 | 1839 | 1850 | 1877 | rVV2 | 112329 | 210422 | 19.97% | 2.637% |
| 36 | 7.226 | 1920 | 1924 | 1930 | rBV3 | 488 | 539 | 0.05% | 0.007% |

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Sample : M3788-16
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0CM2

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\SFAMVLM082721WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.255 | 1930 | 1933 | 1935 | rBV2 | 512 | 288 | 0.03% | 0.004% |
| 38 | 7.317 | 1941 | 1952 | 1970 | rBV | 480360 | 835125 | 79.25% | 10.466% |
| 39 | 7.625 | 2038 | 2048 | 2068 | rBV | 74842 | 134686 | 12.78% | 1.688% |
| 40 | 7.863 | 2120 | 2122 | 2125 | rBV2 | 247 | 189 | 0.02% | 0.002% |
| 41 | 8.091 | 2183 | 2193 | 2236 | rBV2 | 236539 | 491515 | 46.64% | 6.160% |
| 42 | 8.551 | 2333 | 2336 | 2339 | rBV2 | 536 | 276 | 0.03% | 0.003% |
| 43 | 8.590 | 2346 | 2348 | 2350 | rBV | 154 | 54 | 0.01% | 0.001% |
| 44 | 8.728 | 2388 | 2391 | 2394 | rBV | 205 | 124 | 0.01% | 0.002% |
| 45 | 8.805 | 2413 | 2415 | 2418 | rBV | 347 | 201 | 0.02% | 0.003% |
| 46 | 8.853 | 2418 | 2430 | 2450 | rBV | 515387 | 828374 | 78.61% | 10.382% |
| 47 | 9.085 | 2500 | 2502 | 2505 | rBV2 | 318 | 176 | 0.02% | 0.002% |
| 48 | 9.143 | 2516 | 2520 | 2522 | rBV3 | 1249 | 937 | 0.09% | 0.012% |
| 49 | 9.265 | 2556 | 2558 | 2560 | rBV | 239 | 119 | 0.01% | 0.001% |
| 50 | 9.326 | 2575 | 2577 | 2578 | rBV | 310 | 111 | 0.01% | 0.001% |
| 51 | 9.387 | 2594 | 2596 | 2600 | rBV2 | 322 | 189 | 0.02% | 0.002% |
| 52 | 9.410 | 2600 | 2603 | 2606 | rBV3 | 457 | 262 | 0.02% | 0.003% |
| 53 | 9.548 | 2641 | 2646 | 2647 | rBV | 536 | 477 | 0.05% | 0.006% |
| 54 | 9.821 | 2729 | 2731 | 2733 | rBV | 272 | 163 | 0.02% | 0.002% |
| 55 | 10.111 | 2819 | 2821 | 2823 | rBV | 722 | 417 | 0.04% | 0.005% |
| 56 | 10.130 | 2824 | 2827 | 2836 | rVB5 | 1789 | 2094 | 0.20% | 0.026% |
| 57 | 10.178 | 2840 | 2842 | 2843 | rBV | 215 | 72 | 0.01% | 0.001% |
| 58 | 10.217 | 2843 | 2854 | 2874 | rBV | 262765 | 420698 | 39.92% | 5.272% |
| 59 | 10.307 | 2879 | 2882 | 2883 | rBV2 | 434 | 285 | 0.03% | 0.004% |
| 60 | 10.445 | 2923 | 2925 | 2929 | rBV2 | 350 | 221 | 0.02% | 0.003% |
| 61 | 10.657 | 2987 | 2991 | 2993 | rBV | 383 | 262 | 0.02% | 0.003% |
| 62 | 10.709 | 3005 | 3007 | 3009 | rBV | 228 | 101 | 0.01% | 0.001% |
| 63 | 10.744 | 3017 | 3018 | 3021 | rVB | 234 | 97 | 0.01% | 0.001% |
| 64 | 10.918 | 3067 | 3072 | 3079 | rBV6 | 1410 | 1922 | 0.18% | 0.024% |
| 65 | 11.149 | 3138 | 3144 | 3151 | rVB7 | 836 | 1119 | 0.11% | 0.014% |
| 66 | 11.178 | 3152 | 3153 | 3155 | rBV | 288 | 117 | 0.01% | 0.001% |
| 67 | 11.249 | 3164 | 3175 | 3198 | rBV | 455307 | 710407 | 67.42% | 8.903% |
| 68 | 11.477 | 3242 | 3246 | 3248 | rBV | 241 | 143 | 0.01% | 0.002% |
| 69 | 11.490 | 3248 | 3250 | 3251 | rBV | 366 | 150 | 0.01% | 0.002% |
| 70 | 11.625 | 3280 | 3292 | 3312 | rBV | 434514 | 687489 | 65.24% | 8.616% |
| 71 | 11.776 | 3335 | 3339 | 3340 | rBV | 394 | 240 | 0.02% | 0.003% |
| 72 | 11.911 | 3379 | 3381 | 3386 | rBV2 | 416 | 198 | 0.02% | 0.002% |
| 73 | 11.963 | 3395 | 3397 | 3398 | rBV | 265 | 97 | 0.01% | 0.001% |
| 74 | 12.387 | 3526 | 3529 | 3535 | rBV2 | 384 | 403 | 0.04% | 0.005% |
| 75 | 12.413 | 3535 | 3537 | 3540 | rBV | 287 | 232 | 0.02% | 0.003% |
| 76 | 13.294 | 3809 | 3811 | 3814 | rBV2 | 330 | 171 | 0.02% | 0.002% |

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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

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**ClientSampleId :** C0CM2

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_V\Method\SFAMVLM082721WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.429 | 3849 | 3853 | 3855 | rBV3 | 368 | 353 | 0.03% | 0.004% |
| 78 | 14.017 | 4033 | 4036 | 4039 | rBV2 | 672 | 438 | 0.04% | 0.005% |
| 79 | 14.133 | 4069 | 4072 | 4074 | rBV2 | 397 | 299 | 0.03% | 0.004% |
| 80 | 14.448 | 4168 | 4170 | 4172 | rBV2 | 327 | 121 | 0.01% | 0.002% |

Sum of corrected areas: 7979148

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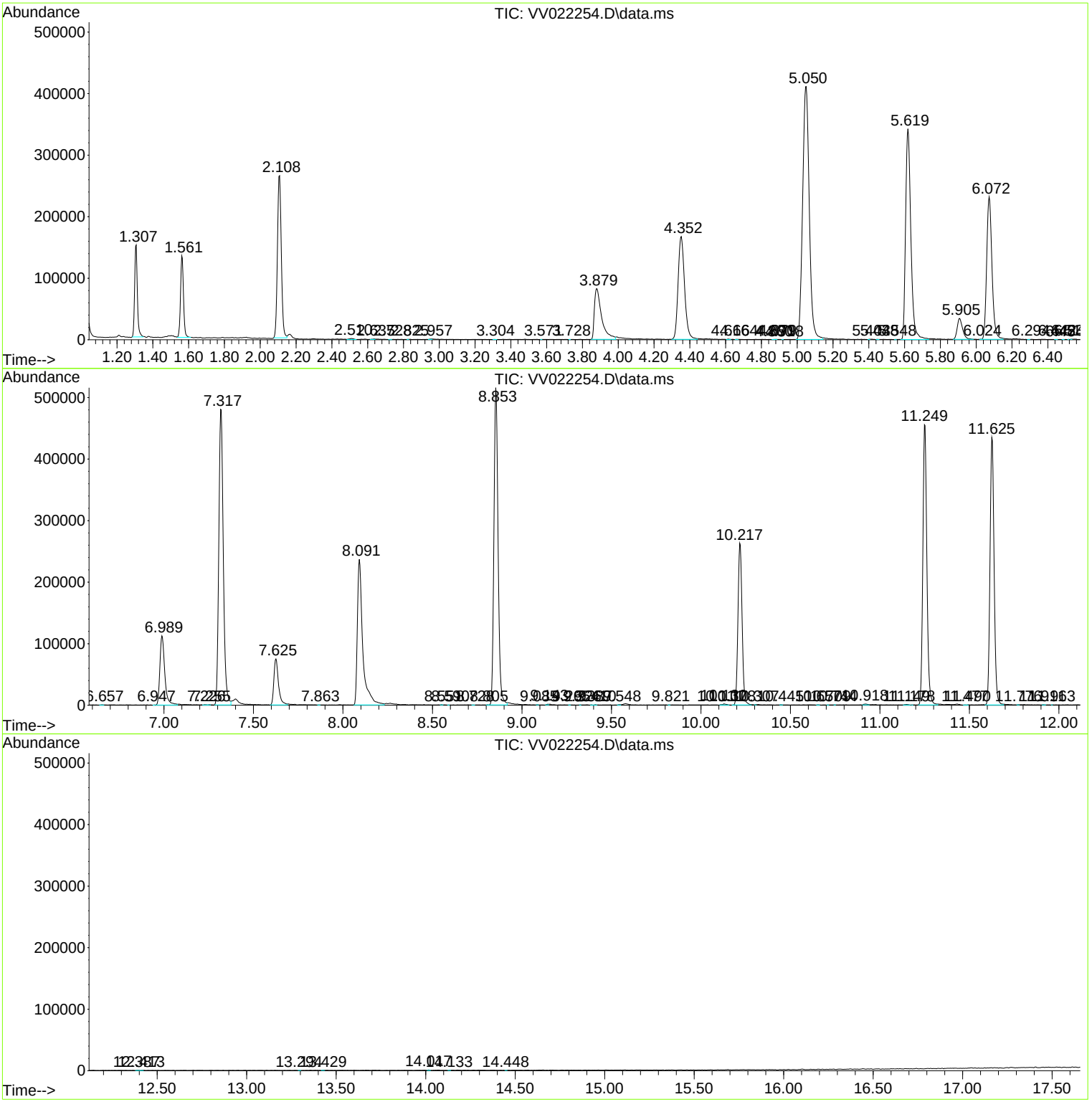
**Instrument :**
MSVOA_V
**ClientSampleId :**
C0CM2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
Quant Title : VOC Analysis

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



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Acq On : 21 Sep 2021 00:15
Operator : SY/MD
Sample : M3788-16
Misc : 5.0mL/MSVOA_V/WATER
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**Instrument :** MSVOA_V
**ClientSampleId :** C0CM2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
Quant Title : VOC Analysis

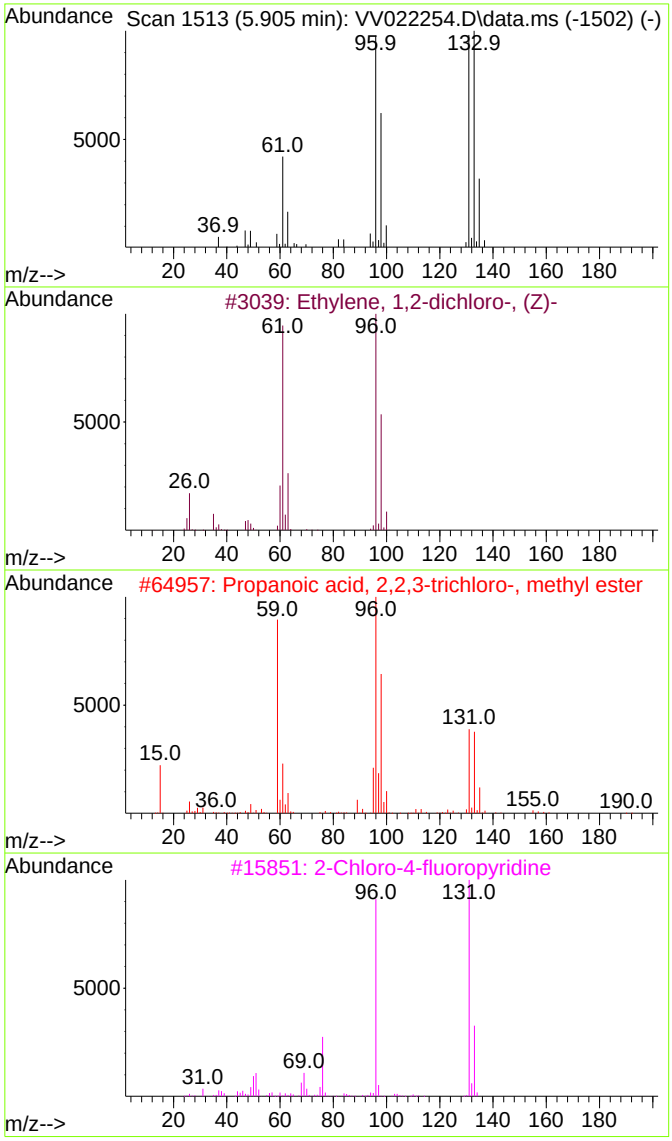
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

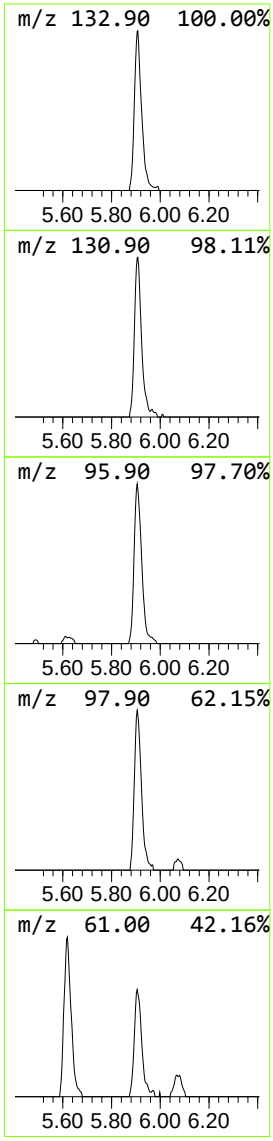
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.905 | 5.09 ug/L | 70837 | 1,4-Difluorobenzene | 5.619 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 41 |
| 2 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 37 |
| 3 | 2-Chloro-4-fluoropyridine | 131 | C5H3ClFN | 1000484-44-8 | 32 |
| 4 | 4-Chloro-3-fluoropyridine | 131 | C5H3ClFN | 002546-56-7 | 27 |
| 5 | 2-Chloro-5-methylthiazole | 133 | C4H4ClNS | 033342-65-3 | 27 |



Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.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 | 5.905 | 5.1 | ug/L | 70837 | 1 | 5.619 | 695388 | 50.0 |