LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080921\
Data File : VV021758.D
Acq On : 09 Aug 2021 11:10
Operator : SY/MD
Sample : VV0809MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK228

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\SFAMVLM080221WMA.M
Title : VOC Analysis

Signal : TIC: VV021758.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 | 97 | rVB | 172491 | 179475 | 12.11% | 1.584% |
| 2 | 1.565 | 156 | 163 | 179 | rBV | 153612 | 168653 | 11.38% | 1.488% |
| 3 | 2.105 | 322 | 331 | 354 | rVB | 285614 | 420386 | 28.35% | 3.710% |
| 4 | 2.507 | 449 | 456 | 467 | rVB5 | 5609 | 9230 | 0.62% | 0.081% |
| 5 | 2.674 | 506 | 508 | 511 | rBV2 | 293 | 216 | 0.01% | 0.002% |
| 6 | 2.748 | 527 | 531 | 532 | rBV2 | 436 | 251 | 0.02% | 0.002% |
| 7 | 2.761 | 532 | 535 | 538 | rVV | 723 | 537 | 0.04% | 0.005% |
| 8 | 2.815 | 549 | 552 | 556 | rBV3 | 361 | 285 | 0.02% | 0.003% |
| 9 | 2.857 | 561 | 565 | 567 | rBV3 | 311 | 219 | 0.01% | 0.002% |
| 10 | 2.905 | 578 | 580 | 581 | rBV | 328 | 123 | 0.01% | 0.001% |
| 11 | 3.015 | 612 | 614 | 617 | rBV3 | 386 | 212 | 0.01% | 0.002% |
| 12 | 3.076 | 631 | 633 | 635 | rVB | 379 | 125 | 0.01% | 0.001% |
| 13 | 3.169 | 659 | 662 | 664 | rVV | 355 | 175 | 0.01% | 0.002% |
| 14 | 3.182 | 664 | 666 | 668 | rVV | 290 | 149 | 0.01% | 0.001% |
| 15 | 3.204 | 671 | 673 | 676 | rVB2 | 403 | 256 | 0.02% | 0.002% |
| 16 | 3.294 | 699 | 701 | 705 | rVB | 471 | 238 | 0.02% | 0.002% |
| 17 | 3.462 | 751 | 753 | 756 | rBV | 396 | 197 | 0.01% | 0.002% |
| 18 | 3.564 | 783 | 785 | 790 | rBV3 | 311 | 285 | 0.02% | 0.003% |
| 19 | 3.606 | 796 | 798 | 800 | rVV2 | 237 | 117 | 0.01% | 0.001% |
| 20 | 3.716 | 828 | 832 | 834 | rBV | 404 | 214 | 0.01% | 0.002% |
| 21 | 3.748 | 838 | 842 | 848 | rVB | 336 | 301 | 0.02% | 0.003% |
| 22 | 3.841 | 866 | 871 | 872 | rVB2 | 181 | 120 | 0.01% | 0.001% |
| 23 | 3.880 | 872 | 883 | 922 | rBV | 127510 | 364543 | 24.59% | 3.217% |
| 24 | 4.346 | 1012 | 1028 | 1059 | rBV | 234764 | 587032 | 39.59% | 5.181% |
| 25 | 4.571 | 1094 | 1098 | 1105 | rVB5 | 744 | 819 | 0.06% | 0.007% |
| 26 | 4.642 | 1117 | 1120 | 1122 | rBV3 | 362 | 216 | 0.01% | 0.002% |
| 27 | 4.725 | 1142 | 1146 | 1149 | rBV | 612 | 585 | 0.04% | 0.005% |
| 28 | 4.799 | 1167 | 1169 | 1172 | rVB2 | 333 | 118 | 0.01% | 0.001% |
| 29 | 4.815 | 1172 | 1174 | 1180 | rVB3 | 354 | 225 | 0.02% | 0.002% |
| 30 | 4.844 | 1180 | 1183 | 1187 | rBV3 | 349 | 245 | 0.02% | 0.002% |
| 31 | 4.896 | 1196 | 1199 | 1201 | rBV | 338 | 247 | 0.02% | 0.002% |
| 32 | 4.937 | 1207 | 1212 | 1214 | rBV2 | 307 | 254 | 0.02% | 0.002% |
| 33 | 4.950 | 1214 | 1216 | 1219 | rVB | 186 | 118 | 0.01% | 0.001% |
| 34 | 5.044 | 1227 | 1245 | 1291 | rBV2 | 573100 | 1482637 | 100.00% | 13.085% |
| 35 | 5.404 | 1349 | 1357 | 1359 | rBV3 | 468 | 638 | 0.04% | 0.006% |
| 36 | 5.474 | 1377 | 1379 | 1381 | rBV2 | 337 | 176 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080921\
Data File : VV021758.D
Acq On : 09 Aug 2021 11:10
Operator : SY/MD
Sample : VV0809MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK228

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\SFAMVLM080221WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 5.526 | 1393 | 1395 | 1399 | rVB | 315 | 261 | 0.02% | 0.002% |
| 38 | 5.548 | 1399 | 1402 | 1404 | rBV2 | 394 | 231 | 0.02% | 0.002% |
| 39 | 5.616 | 1409 | 1423 | 1453 | rBV | 440723 | 903027 | 60.91% | 7.970% |
| 40 | 5.902 | 1498 | 1512 | 1532 | rBV2 | 46583 | 100741 | 6.79% | 0.889% |
| 41 | 6.011 | 1543 | 1546 | 1548 | rBV2 | 230 | 134 | 0.01% | 0.001% |
| 42 | 6.069 | 1551 | 1564 | 1589 | rBV | 326026 | 674541 | 45.50% | 5.953% |
| 43 | 6.278 | 1627 | 1629 | 1632 | rVB2 | 437 | 226 | 0.02% | 0.002% |
| 44 | 6.333 | 1643 | 1646 | 1648 | rBV | 235 | 123 | 0.01% | 0.001% |
| 45 | 6.355 | 1648 | 1653 | 1658 | rVB4 | 430 | 390 | 0.03% | 0.003% |
| 46 | 6.413 | 1669 | 1671 | 1674 | rBV | 249 | 138 | 0.01% | 0.001% |
| 47 | 6.500 | 1694 | 1698 | 1699 | rBV2 | 257 | 174 | 0.01% | 0.002% |
| 48 | 6.629 | 1734 | 1738 | 1740 | rBV2 | 1145 | 1016 | 0.07% | 0.009% |
| 49 | 6.703 | 1759 | 1761 | 1763 | rBV2 | 296 | 129 | 0.01% | 0.001% |
| 50 | 6.728 | 1765 | 1769 | 1771 | rBV3 | 240 | 200 | 0.01% | 0.002% |
| 51 | 6.777 | 1781 | 1784 | 1786 | rBV2 | 246 | 166 | 0.01% | 0.001% |
| 52 | 6.902 | 1821 | 1823 | 1827 | rVB2 | 337 | 218 | 0.01% | 0.002% |
| 53 | 6.986 | 1838 | 1849 | 1872 | rBV | 190785 | 348932 | 23.53% | 3.079% |
| 54 | 7.317 | 1939 | 1952 | 1970 | rBV | 676969 | 1196986 | 80.73% | 10.564% |
| 55 | 7.622 | 2037 | 2047 | 2072 | rBV | 127878 | 228651 | 15.42% | 2.018% |
| 56 | 7.844 | 2114 | 2116 | 2121 | rVB2 | 562 | 388 | 0.03% | 0.003% |
| 57 | 7.867 | 2121 | 2123 | 2127 | rBV2 | 312 | 291 | 0.02% | 0.003% |
| 58 | 7.915 | 2137 | 2138 | 2143 | rVB2 | 265 | 187 | 0.01% | 0.002% |
| 59 | 7.944 | 2143 | 2147 | 2151 | rBV2 | 278 | 261 | 0.02% | 0.002% |
| 60 | 7.982 | 2154 | 2159 | 2162 | rVV2 | 764 | 733 | 0.05% | 0.006% |
| 61 | 7.998 | 2162 | 2164 | 2169 | rVB2 | 565 | 322 | 0.02% | 0.003% |
| 62 | 8.088 | 2182 | 2192 | 2225 | rBV2 | 385124 | 783095 | 52.82% | 6.911% |
| 63 | 8.413 | 2289 | 2293 | 2295 | rBV2 | 706 | 504 | 0.03% | 0.004% |
| 64 | 8.487 | 2312 | 2316 | 2318 | rBV2 | 565 | 338 | 0.02% | 0.003% |
| 65 | 8.590 | 2344 | 2348 | 2350 | rBV2 | 388 | 240 | 0.02% | 0.002% |
| 66 | 8.613 | 2350 | 2355 | 2358 | rVB3 | 556 | 550 | 0.04% | 0.005% |
| 67 | 8.638 | 2360 | 2363 | 2365 | rBV2 | 369 | 260 | 0.02% | 0.002% |
| 68 | 8.680 | 2372 | 2376 | 2383 | rVB4 | 278 | 330 | 0.02% | 0.003% |
| 69 | 8.854 | 2418 | 2430 | 2457 | rBV | 649334 | 1068941 | 72.10% | 9.434% |
| 70 | 9.098 | 2503 | 2506 | 2507 | rBV | 208 | 116 | 0.01% | 0.001% |
| 71 | 9.178 | 2529 | 2531 | 2533 | rVB | 536 | 238 | 0.02% | 0.002% |
| 72 | 9.198 | 2533 | 2537 | 2540 | rVB2 | 349 | 277 | 0.02% | 0.002% |
| 73 | 9.236 | 2543 | 2549 | 2552 | rBV4 | 361 | 423 | 0.03% | 0.004% |
| 74 | 9.297 | 2564 | 2568 | 2570 | rBV | 156 | 126 | 0.01% | 0.001% |
| 75 | 9.477 | 2621 | 2624 | 2629 | rVB | 337 | 242 | 0.02% | 0.002% |
| 76 | 9.513 | 2633 | 2635 | 2638 | rVB | 353 | 161 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080921\
Data File : VV021758.D
Acq On : 09 Aug 2021 11:10
Operator : SY/MD
Sample : VV0809MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK228

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\SFAMVLM080221WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 9.551 | 2642 | 2647 | 2651 | rBV2 | 922 | 1006 | 0.07% | 0.009% |
| 78 | 9.770 | 2712 | 2715 | 2718 | rBV2 | 166 | 134 | 0.01% | 0.001% |
| 79 | 9.905 | 2755 | 2757 | 2760 | rVB2 | 349 | 142 | 0.01% | 0.001% |
| 80 | 9.937 | 2760 | 2767 | 2775 | rBV3 | 1000 | 1559 | 0.11% | 0.014% |
| 81 | 10.127 | 2819 | 2826 | 2834 | rBV5 | 2858 | 4673 | 0.32% | 0.041% |
| 82 | 10.217 | 2842 | 2854 | 2878 | rBV | 401091 | 644102 | 43.44% | 5.684% |
| 83 | 10.416 | 2913 | 2916 | 2920 | rVB2 | 312 | 207 | 0.01% | 0.002% |
| 84 | 10.439 | 2921 | 2923 | 2925 | rBV2 | 325 | 129 | 0.01% | 0.001% |
| 85 | 10.481 | 2934 | 2936 | 2937 | rBV | 260 | 118 | 0.01% | 0.001% |
| 86 | 10.738 | 3014 | 3016 | 3020 | rVB2 | 325 | 211 | 0.01% | 0.002% |
| 87 | 10.760 | 3020 | 3023 | 3026 | rVV2 | 351 | 256 | 0.02% | 0.002% |
| 88 | 10.776 | 3026 | 3028 | 3035 | rVB2 | 527 | 406 | 0.03% | 0.004% |
| 89 | 10.828 | 3040 | 3044 | 3047 | rBV3 | 420 | 331 | 0.02% | 0.003% |
| 90 | 10.921 | 3064 | 3073 | 3084 | rVB4 | 3596 | 5945 | 0.40% | 0.052% |
| 91 | 11.040 | 3104 | 3110 | 3116 | rBV2 | 500 | 662 | 0.04% | 0.006% |
| 92 | 11.146 | 3137 | 3143 | 3151 | rVB4 | 1357 | 1952 | 0.13% | 0.017% |
| 93 | 11.191 | 3151 | 3157 | 3164 | rBV3 | 1417 | 2112 | 0.14% | 0.019% |
| 94 | 11.249 | 3164 | 3175 | 3195 | rBV | 663004 | 1032784 | 69.66% | 9.115% |
| 95 | 11.625 | 3280 | 3292 | 3314 | rBV | 686479 | 1076044 | 72.58% | 9.497% |
| 96 | 11.828 | 3352 | 3355 | 3356 | rBV | 531 | 262 | 0.02% | 0.002% |
| 97 | 12.436 | 3541 | 3544 | 3549 | rBV4 | 665 | 459 | 0.03% | 0.004% |
| 98 | 12.651 | 3605 | 3611 | 3621 | rBV4 | 2650 | 4101 | 0.28% | 0.036% |
| 99 | 13.271 | 3798 | 3804 | 3815 | rVB4 | 4476 | 5793 | 0.39% | 0.051% |
| 100 | 13.509 | 3870 | 3878 | 3891 | rBV | 8215 | 13558 | 0.91% | 0.120% |

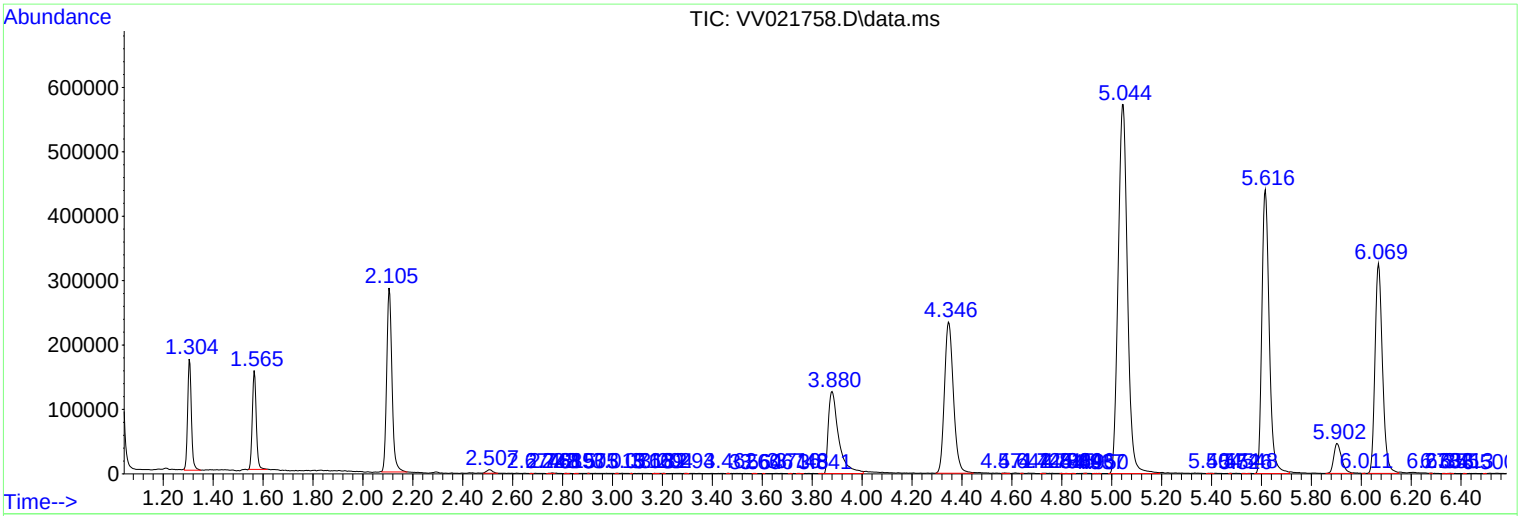
Sum of corrected areas: 11330870

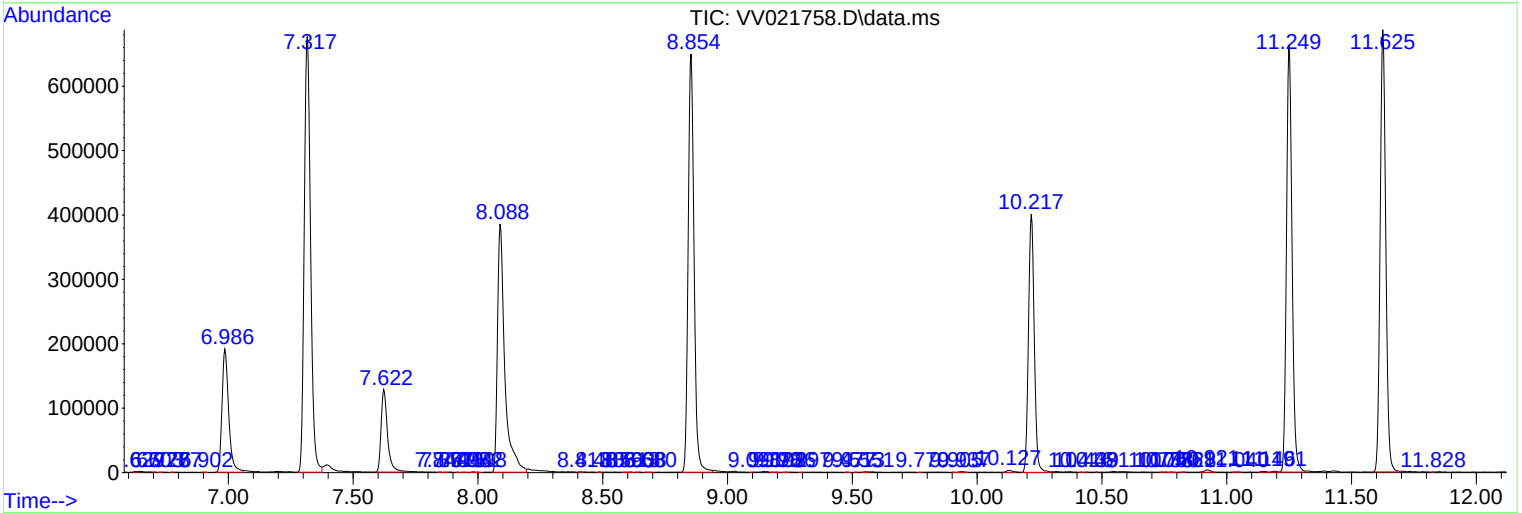
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080921\
Data File : VV021758.D
Acq On : 09 Aug 2021 11:10
Operator : SY/MD
Sample : VV0809MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

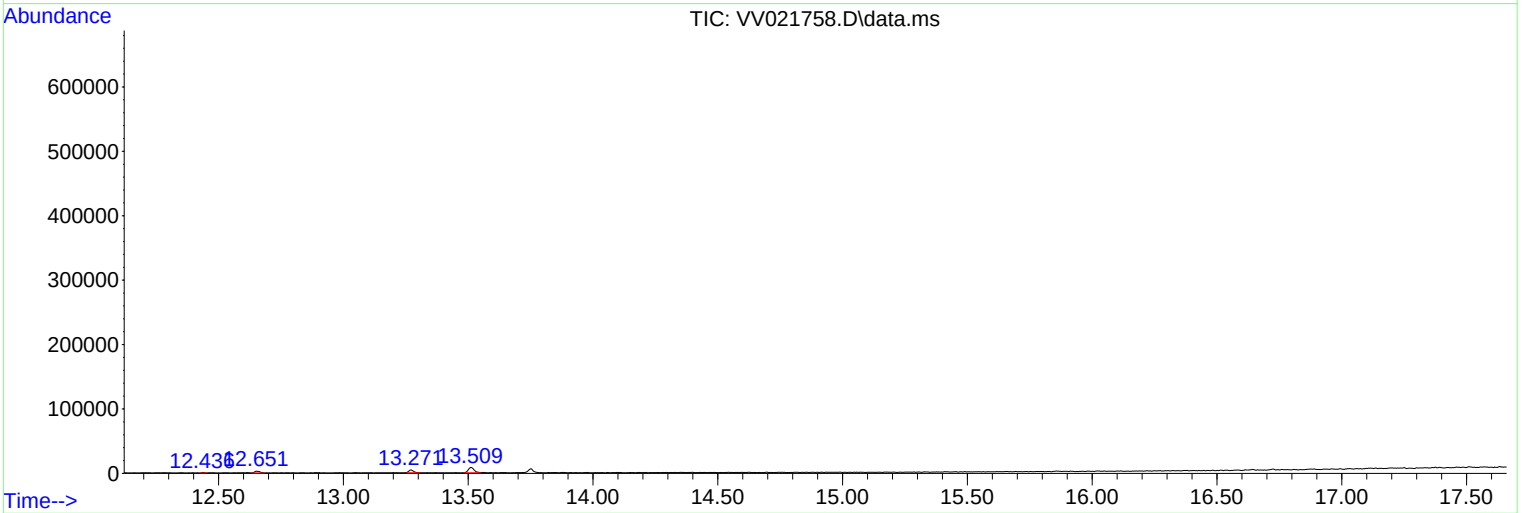
**Instrument :**
MSVOA_V
**ClientSampleId :**
VBLK228

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080921\
Data File : VV021758.D
Acq On : 09 Aug 2021 11:10
Operator : SY/MD
Sample : VV0809MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK228

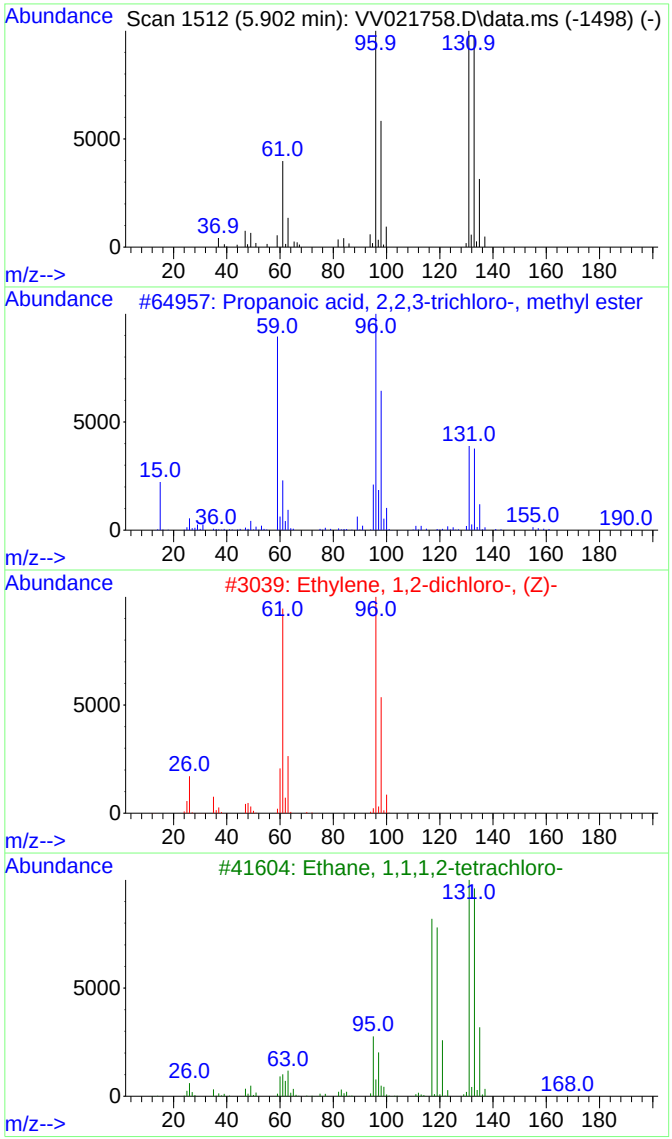
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
Quant Title : VOC Analysis

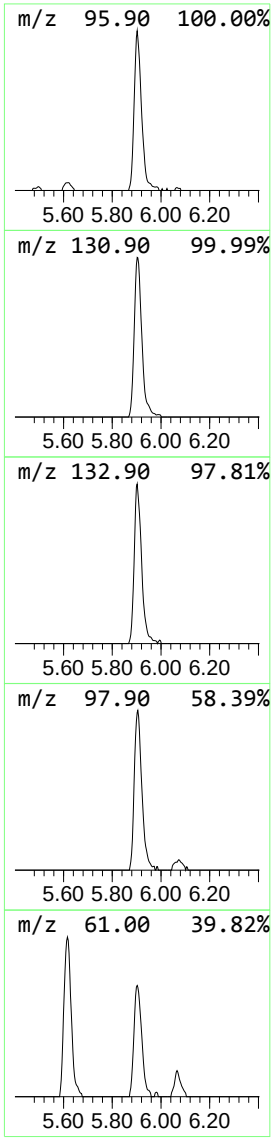
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.902 | 5.58 ug/L | 100741 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 72 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 41 |
| 3 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 37 |
| 4 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 35 |
| 5 | 2-Chloro-4-fluoropyridine | 131 | C5H3ClFN | 1000484-44-8 | 32 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080921\
Data File : VV021758.D
Acq On : 09 Aug 2021 11:10
Operator : SY/MD
Sample : VV0809MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK228

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.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 |
| Propanoic acid,... | 5.902 | 5.6 | ug/L | 100741 | 1 | 5.616 | 903027 | 50.0 |