LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071421\
Data File : VV021652.D
Acq On : 14 Jul 2021 14:48
Operator : SY/MD
Sample : M3033-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7L8

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\SFAMVLM062921WMA.M
Title : VOC Analysis

Signal : TIC: VV021652.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 | 98 | rVB | 212471 | 213691 | 13.08% | 1.701% |
| 2 | 1.561 | 154 | 162 | 175 | rVB | 163548 | 190208 | 11.64% | 1.514% |
| 3 | 2.104 | 321 | 331 | 342 | rBV | 347640 | 504816 | 30.90% | 4.018% |
| 4 | 2.381 | 414 | 417 | 422 | rBV5 | 796 | 799 | 0.05% | 0.006% |
| 5 | 2.506 | 449 | 456 | 465 | rBV10 | 1539 | 2895 | 0.18% | 0.023% |
| 6 | 2.912 | 577 | 582 | 584 | rBV2 | 442 | 329 | 0.02% | 0.003% |
| 7 | 2.957 | 590 | 596 | 611 | rVB4 | 1826 | 3553 | 0.22% | 0.028% |
| 8 | 3.043 | 615 | 623 | 633 | rVV6 | 1750 | 3217 | 0.20% | 0.026% |
| 9 | 3.121 | 645 | 647 | 654 | rBV3 | 435 | 479 | 0.03% | 0.004% |
| 10 | 3.178 | 661 | 665 | 668 | rBV2 | 352 | 334 | 0.02% | 0.003% |
| 11 | 3.194 | 668 | 670 | 673 | rVV2 | 300 | 198 | 0.01% | 0.002% |
| 12 | 3.243 | 681 | 685 | 687 | rBV | 435 | 313 | 0.02% | 0.002% |
| 13 | 3.378 | 724 | 727 | 729 | rVB | 245 | 142 | 0.01% | 0.001% |
| 14 | 3.397 | 729 | 733 | 734 | rBV | 209 | 148 | 0.01% | 0.001% |
| 15 | 3.497 | 759 | 764 | 767 | rBV | 401 | 287 | 0.02% | 0.002% |
| 16 | 3.519 | 767 | 771 | 772 | rBV | 391 | 225 | 0.01% | 0.002% |
| 17 | 3.558 | 780 | 783 | 788 | rBV2 | 365 | 242 | 0.01% | 0.002% |
| 18 | 3.580 | 788 | 790 | 795 | rBV2 | 261 | 218 | 0.01% | 0.002% |
| 19 | 3.619 | 800 | 802 | 804 | rBV | 363 | 135 | 0.01% | 0.001% |
| 20 | 3.654 | 811 | 813 | 817 | rVB | 433 | 203 | 0.01% | 0.002% |
| 21 | 3.677 | 817 | 820 | 821 | rBV | 550 | 305 | 0.02% | 0.002% |
| 22 | 3.873 | 870 | 881 | 913 | rBV | 146506 | 380339 | 23.28% | 3.028% |
| 23 | 4.349 | 1012 | 1029 | 1057 | rBV | 257145 | 637418 | 39.01% | 5.074% |
| 24 | 4.754 | 1152 | 1155 | 1160 | rVB3 | 501 | 385 | 0.02% | 0.003% |
| 25 | 4.870 | 1186 | 1191 | 1194 | rBV2 | 397 | 334 | 0.02% | 0.003% |
| 26 | 4.944 | 1210 | 1214 | 1216 | rBV2 | 489 | 260 | 0.02% | 0.002% |
| 27 | 4.982 | 1222 | 1226 | 1227 | rBV2 | 368 | 201 | 0.01% | 0.002% |
| 28 | 5.046 | 1228 | 1246 | 1280 | rVV2 | 636215 | 1633778 | 100.00% | 13.005% |
| 29 | 5.333 | 1332 | 1335 | 1339 | rBV5 | 639 | 484 | 0.03% | 0.004% |
| 30 | 5.419 | 1358 | 1362 | 1363 | rBV4 | 422 | 349 | 0.02% | 0.003% |
| 31 | 5.481 | 1378 | 1381 | 1383 | rBV4 | 572 | 323 | 0.02% | 0.003% |
| 32 | 5.551 | 1401 | 1403 | 1404 | rBV4 | 241 | 98 | 0.01% | 0.001% |
| 33 | 5.619 | 1411 | 1424 | 1451 | rBV | 496827 | 1002084 | 61.34% | 7.977% |
| 34 | 5.908 | 1502 | 1514 | 1535 | rBV2 | 28739 | 60080 | 3.68% | 0.478% |
| 35 | 6.024 | 1546 | 1550 | 1551 | rBV | 278 | 152 | 0.01% | 0.001% |
| 36 | 6.072 | 1551 | 1565 | 1598 | rVV | 355230 | 736588 | 45.08% | 5.863% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071421\
Data File : VV021652.D
Acq On : 14 Jul 2021 14:48
Operator : SY/MD
Sample : M3033-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7L8

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\SFAMVLM062921WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.355 | 1651 | 1653 | 1656 | rBV2 | 368 | 146 | 0.01% | 0.001% |
| 38 | 6.387 | 1661 | 1663 | 1666 | rBV3 | 475 | 265 | 0.02% | 0.002% |
| 39 | 6.423 | 1671 | 1674 | 1677 | rBV2 | 455 | 268 | 0.02% | 0.002% |
| 40 | 6.481 | 1691 | 1692 | 1695 | rBV2 | 207 | 126 | 0.01% | 0.001% |
| 41 | 6.493 | 1695 | 1696 | 1699 | rVV3 | 277 | 144 | 0.01% | 0.001% |
| 42 | 6.522 | 1702 | 1705 | 1706 | rBV | 347 | 206 | 0.01% | 0.002% |
| 43 | 6.783 | 1784 | 1786 | 1790 | rBV2 | 452 | 315 | 0.02% | 0.003% |
| 44 | 6.831 | 1798 | 1801 | 1805 | rBV2 | 249 | 216 | 0.01% | 0.002% |
| 45 | 6.860 | 1808 | 1810 | 1812 | rVB | 272 | 132 | 0.01% | 0.001% |
| 46 | 6.989 | 1839 | 1850 | 1876 | rBV | 215773 | 389535 | 23.84% | 3.101% |
| 47 | 7.316 | 1940 | 1952 | 1971 | rBV | 779642 | 1342879 | 82.19% | 10.690% |
| 48 | 7.622 | 2037 | 2047 | 2075 | rBV | 145202 | 257271 | 15.75% | 2.048% |
| 49 | 7.857 | 2117 | 2120 | 2121 | rBV | 408 | 173 | 0.01% | 0.001% |
| 50 | 7.937 | 2142 | 2145 | 2146 | rBV2 | 633 | 360 | 0.02% | 0.003% |
| 51 | 7.979 | 2157 | 2158 | 2160 | rBV | 374 | 146 | 0.01% | 0.001% |
| 52 | 7.992 | 2160 | 2162 | 2166 | rVB2 | 579 | 288 | 0.02% | 0.002% |
| 53 | 8.088 | 2182 | 2192 | 2228 | rBV | 440674 | 835676 | 51.15% | 6.652% |
| 54 | 8.439 | 2297 | 2301 | 2306 | rVB4 | 708 | 612 | 0.04% | 0.005% |
| 55 | 8.468 | 2306 | 2310 | 2314 | rVB4 | 482 | 440 | 0.03% | 0.004% |
| 56 | 8.493 | 2314 | 2318 | 2320 | rBV2 | 611 | 413 | 0.03% | 0.003% |
| 57 | 8.519 | 2324 | 2326 | 2327 | rBV | 499 | 242 | 0.01% | 0.002% |
| 58 | 8.561 | 2334 | 2339 | 2342 | rBV | 693 | 719 | 0.04% | 0.006% |
| 59 | 8.596 | 2348 | 2350 | 2352 | rBV | 315 | 198 | 0.01% | 0.002% |
| 60 | 8.683 | 2374 | 2377 | 2379 | rBV | 314 | 228 | 0.01% | 0.002% |
| 61 | 8.696 | 2379 | 2381 | 2384 | rVB3 | 485 | 189 | 0.01% | 0.002% |
| 62 | 8.770 | 2402 | 2404 | 2407 | rVB2 | 567 | 273 | 0.02% | 0.002% |
| 63 | 8.789 | 2407 | 2410 | 2414 | rBV | 207 | 216 | 0.01% | 0.002% |
| 64 | 8.853 | 2419 | 2430 | 2455 | rBV | 717335 | 1180417 | 72.25% | 9.396% |
| 65 | 9.075 | 2496 | 2499 | 2502 | rBV3 | 482 | 370 | 0.02% | 0.003% |
| 66 | 9.101 | 2504 | 2507 | 2510 | rVB4 | 670 | 457 | 0.03% | 0.004% |
| 67 | 9.123 | 2510 | 2514 | 2516 | rVB3 | 461 | 290 | 0.02% | 0.002% |
| 68 | 9.149 | 2516 | 2522 | 2530 | rBV4 | 1397 | 2306 | 0.14% | 0.018% |
| 69 | 9.210 | 2538 | 2541 | 2543 | rBV2 | 450 | 283 | 0.02% | 0.002% |
| 70 | 9.242 | 2549 | 2551 | 2553 | rBV2 | 399 | 185 | 0.01% | 0.001% |
| 71 | 9.297 | 2560 | 2568 | 2569 | rBV | 403 | 402 | 0.02% | 0.003% |
| 72 | 9.368 | 2587 | 2590 | 2596 | rBV2 | 387 | 339 | 0.02% | 0.003% |
| 73 | 9.455 | 2614 | 2617 | 2618 | rBV | 273 | 100 | 0.01% | 0.001% |
| 74 | 9.509 | 2633 | 2634 | 2637 | rVB2 | 243 | 98 | 0.01% | 0.001% |
| 75 | 9.525 | 2637 | 2639 | 2641 | rVB | 359 | 99 | 0.01% | 0.001% |
| 76 | 9.554 | 2641 | 2648 | 2653 | rBV4 | 375 | 493 | 0.03% | 0.004% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071421\
Data File : VV021652.D
Acq On : 14 Jul 2021 14:48
Operator : SY/MD
Sample : M3033-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7L8

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\SFAMVLM062921WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 9.586 | 2654 | 2658 | 2659 | rBV | 345 | 235 | 0.01% | 0.002% |
| 78 | 9.680 | 2684 | 2687 | 2689 | rBV3 | 394 | 238 | 0.01% | 0.002% |
| 79 | 9.731 | 2701 | 2703 | 2707 | rBV2 | 353 | 224 | 0.01% | 0.002% |
| 80 | 9.757 | 2708 | 2711 | 2712 | rBV2 | 260 | 138 | 0.01% | 0.001% |
| 81 | 9.792 | 2719 | 2722 | 2724 | rBV | 225 | 143 | 0.01% | 0.001% |
| 82 | 9.898 | 2751 | 2755 | 2758 | rBV2 | 174 | 156 | 0.01% | 0.001% |
| 83 | 9.918 | 2758 | 2761 | 2762 | rBV | 231 | 114 | 0.01% | 0.001% |
| 84 | 9.969 | 2775 | 2777 | 2781 | rVB | 410 | 236 | 0.01% | 0.002% |
| 85 | 10.014 | 2787 | 2791 | 2792 | rBV3 | 476 | 302 | 0.02% | 0.002% |
| 86 | 10.130 | 2817 | 2827 | 2840 | rBV3 | 4142 | 6653 | 0.41% | 0.053% |
| 87 | 10.217 | 2842 | 2854 | 2875 | rBV | 479441 | 768390 | 47.03% | 6.117% |
| 88 | 10.451 | 2925 | 2927 | 2929 | rBV3 | 512 | 268 | 0.02% | 0.002% |
| 89 | 10.516 | 2946 | 2947 | 2949 | rBV | 328 | 131 | 0.01% | 0.001% |
| 90 | 10.667 | 2989 | 2994 | 2998 | rBV2 | 527 | 559 | 0.03% | 0.004% |
| 91 | 10.744 | 3014 | 3018 | 3019 | rBV2 | 457 | 339 | 0.02% | 0.003% |
| 92 | 11.152 | 3134 | 3145 | 3151 | rBV6 | 2759 | 4773 | 0.29% | 0.038% |
| 93 | 11.252 | 3164 | 3176 | 3196 | rBV | 744076 | 1169928 | 71.61% | 9.313% |
| 94 | 11.625 | 3280 | 3292 | 3318 | rBV | 767656 | 1212318 | 74.20% | 9.650% |
| 95 | 12.355 | 3512 | 3519 | 3520 | rBV5 | 2482 | 2461 | 0.15% | 0.020% |
| 96 | 12.403 | 3532 | 3534 | 3541 | rVB4 | 760 | 509 | 0.03% | 0.004% |
| 97 | 12.686 | 3619 | 3622 | 3629 | rVB2 | 774 | 541 | 0.03% | 0.004% |
| 98 | 12.754 | 3641 | 3643 | 3645 | rBV2 | 306 | 160 | 0.01% | 0.001% |
| 99 | 13.043 | 3731 | 3733 | 3736 | rBV3 | 478 | 269 | 0.02% | 0.002% |
| 100 | 13.082 | 3742 | 3745 | 3747 | rVB2 | 551 | 337 | 0.02% | 0.003% |

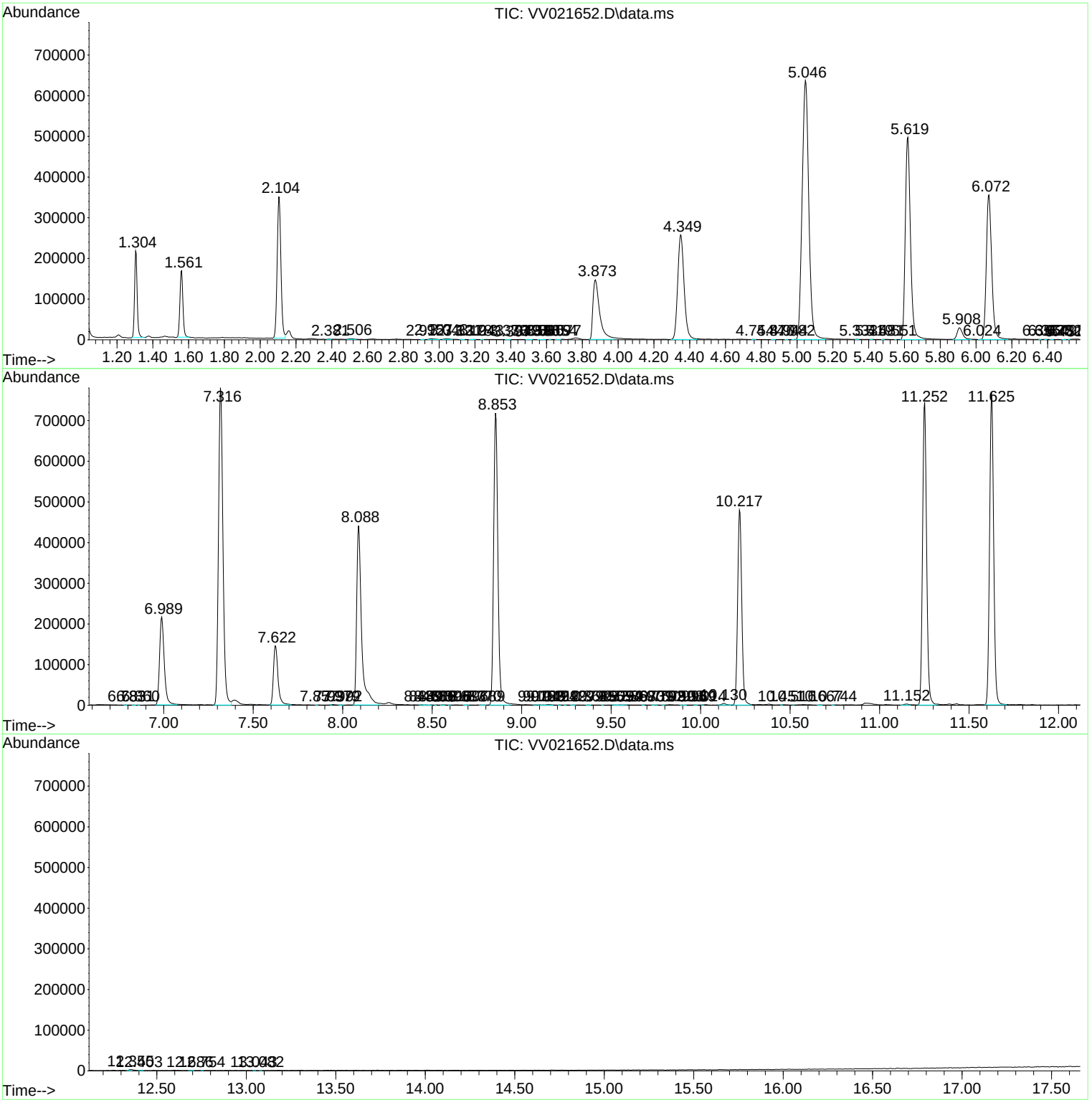
Sum of corrected areas: 12562547

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071421\
Data File : VV021652.D
Acq On : 14 Jul 2021 14:48
Operator : SY/MD
Sample : M3033-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG7L8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071421\
Data File : VV021652.D
Acq On : 14 Jul 2021 14:48
Operator : SY/MD
Sample : M3033-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7L8

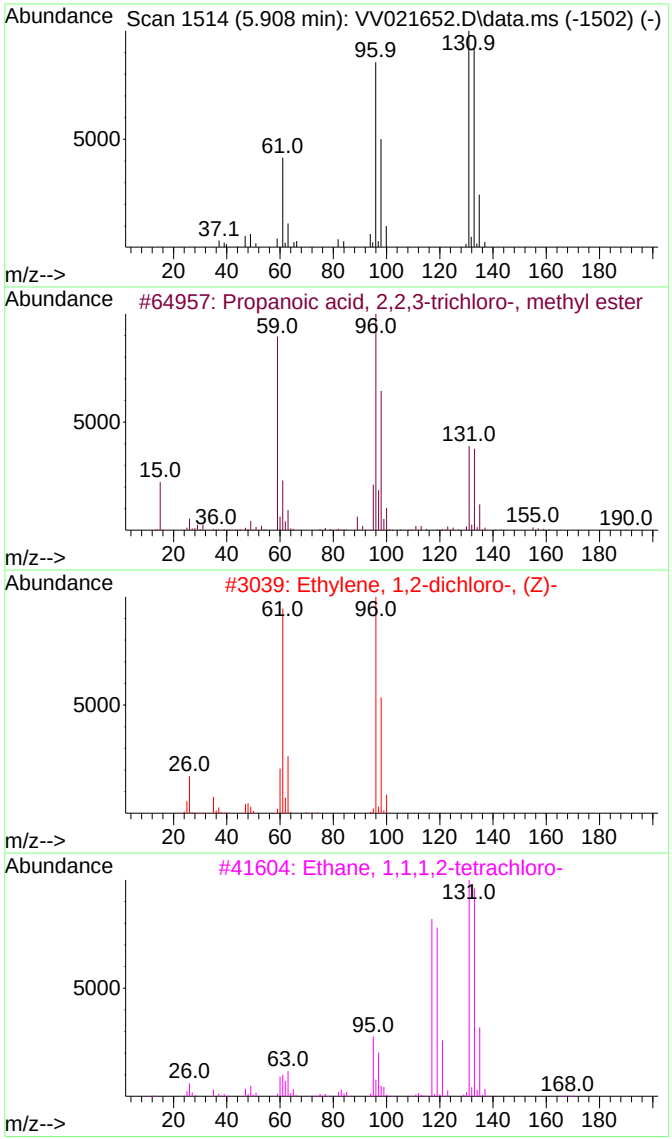
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
Quant Title : VOC Analysis

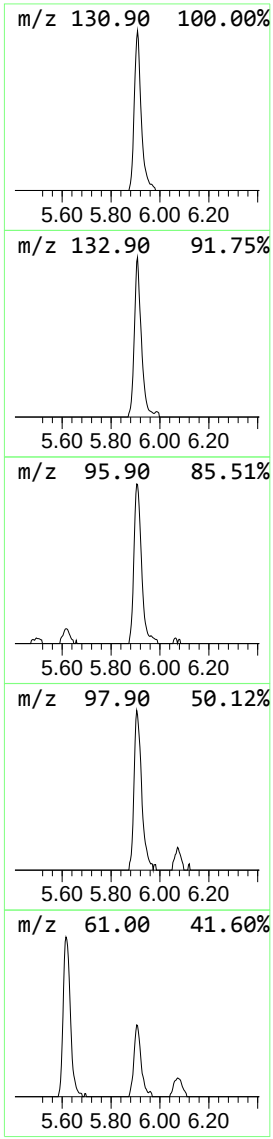
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.908 | 3.00 ug/L | 60080 | 1,4-Difluorobenzene | 5.619 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 56 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 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 | 4-Chloro-3-fluoropyridine | 131 | C5H3ClFN | 002546-56-7 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071421\
Data File : VV021652.D
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Operator : SY/MD
Sample : M3033-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG7L8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.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,... | 5.908 | 3.0 | ug/L | 60080 | 1 | 5.619 | 1002080 | 50.0 |