LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081921\
Data File : VV021878.D
Acq On : 19 Aug 2021 09:58
Operator : SY/MD
Sample : VV0819WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK237

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: VV021878.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 | 103 | rVB | 197919 | 206342 | 14.45% | 1.902% |
| 2 | 1.539 | 150 | 155 | 173 | rVB | 153020 | 182325 | 12.77% | 1.680% |
| 3 | 2.098 | 319 | 329 | 353 | rVB | 291751 | 434251 | 30.41% | 4.002% |
| 4 | 2.503 | 448 | 455 | 467 | rVB4 | 4819 | 8157 | 0.57% | 0.075% |
| 5 | 2.606 | 485 | 487 | 489 | rBV3 | 398 | 198 | 0.01% | 0.002% |
| 6 | 3.037 | 617 | 621 | 622 | rBV | 514 | 291 | 0.02% | 0.003% |
| 7 | 3.063 | 626 | 629 | 633 | rBV2 | 298 | 312 | 0.02% | 0.003% |
| 8 | 3.150 | 654 | 656 | 659 | rBV | 348 | 224 | 0.02% | 0.002% |
| 9 | 3.195 | 667 | 670 | 672 | rVB2 | 484 | 289 | 0.02% | 0.003% |
| 10 | 3.208 | 672 | 674 | 679 | rVB | 525 | 237 | 0.02% | 0.002% |
| 11 | 3.230 | 679 | 681 | 683 | rBV2 | 276 | 153 | 0.01% | 0.001% |
| 12 | 3.288 | 696 | 699 | 702 | rVB2 | 290 | 147 | 0.01% | 0.001% |
| 13 | 3.349 | 715 | 718 | 721 | rBV2 | 303 | 194 | 0.01% | 0.002% |
| 14 | 3.368 | 721 | 724 | 727 | rBV2 | 316 | 186 | 0.01% | 0.002% |
| 15 | 3.436 | 740 | 745 | 746 | rVV | 321 | 191 | 0.01% | 0.002% |
| 16 | 3.642 | 805 | 809 | 812 | rBV | 436 | 393 | 0.03% | 0.004% |
| 17 | 3.873 | 871 | 881 | 920 | rBV | 121267 | 316428 | 22.16% | 2.916% |
| 18 | 4.346 | 1012 | 1028 | 1056 | rBV | 226352 | 560058 | 39.22% | 5.161% |
| 19 | 4.828 | 1175 | 1178 | 1184 | rVB6 | 542 | 466 | 0.03% | 0.004% |
| 20 | 4.886 | 1191 | 1196 | 1198 | rBV2 | 340 | 265 | 0.02% | 0.002% |
| 21 | 5.043 | 1228 | 1245 | 1276 | rBV2 | 561375 | 1428134 | 100.00% | 13.161% |
| 22 | 5.285 | 1318 | 1320 | 1324 | rBV2 | 535 | 223 | 0.02% | 0.002% |
| 23 | 5.336 | 1332 | 1336 | 1339 | rBV3 | 682 | 720 | 0.05% | 0.007% |
| 24 | 5.529 | 1393 | 1396 | 1397 | rBV | 348 | 165 | 0.01% | 0.002% |
| 25 | 5.616 | 1410 | 1423 | 1449 | rBV | 428634 | 857656 | 60.05% | 7.904% |
| 26 | 5.905 | 1500 | 1513 | 1536 | rBV2 | 30498 | 65277 | 4.57% | 0.602% |
| 27 | 6.069 | 1550 | 1564 | 1594 | rBV | 312013 | 639713 | 44.79% | 5.895% |
| 28 | 6.349 | 1648 | 1651 | 1655 | rBV4 | 661 | 473 | 0.03% | 0.004% |
| 29 | 6.426 | 1672 | 1675 | 1676 | rBV2 | 267 | 146 | 0.01% | 0.001% |
| 30 | 6.465 | 1680 | 1687 | 1688 | rBV2 | 298 | 296 | 0.02% | 0.003% |
| 31 | 6.526 | 1699 | 1706 | 1710 | rBV2 | 565 | 686 | 0.05% | 0.006% |
| 32 | 6.558 | 1712 | 1716 | 1718 | rBV | 332 | 263 | 0.02% | 0.002% |
| 33 | 6.613 | 1729 | 1733 | 1738 | rBV2 | 367 | 328 | 0.02% | 0.003% |
| 34 | 6.638 | 1738 | 1741 | 1742 | rBV | 305 | 156 | 0.01% | 0.001% |
| 35 | 6.754 | 1775 | 1777 | 1782 | rVB2 | 386 | 238 | 0.02% | 0.002% |
| 36 | 6.793 | 1786 | 1789 | 1790 | rBV | 315 | 208 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081921\
Data File : VV021878.D
Acq On : 19 Aug 2021 09:58
Operator : SY/MD
Sample : VV0819WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK237

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 | 6.986 | 1836 | 1849 | 1876 | rBV | 174932 | 325243 | 22.77% | 2.997% |
| 38 | 7.201 | 1912 | 1916 | 1921 | rBV5 | 672 | 701 | 0.05% | 0.006% |
| 39 | 7.240 | 1925 | 1928 | 1931 | rVB3 | 881 | 459 | 0.03% | 0.004% |
| 40 | 7.317 | 1939 | 1952 | 1971 | rBV | 670035 | 1172265 | 82.08% | 10.803% |
| 41 | 7.622 | 2037 | 2047 | 2076 | rBV | 116045 | 208658 | 14.61% | 1.923% |
| 42 | 7.850 | 2113 | 2118 | 2123 | rBV2 | 498 | 667 | 0.05% | 0.006% |
| 43 | 7.931 | 2140 | 2143 | 2144 | rBV | 340 | 226 | 0.02% | 0.002% |
| 44 | 7.985 | 2152 | 2160 | 2164 | rBV3 | 802 | 777 | 0.05% | 0.007% |
| 45 | 8.018 | 2165 | 2170 | 2173 | rBV3 | 323 | 279 | 0.02% | 0.003% |
| 46 | 8.088 | 2182 | 2192 | 2230 | rBV2 | 308667 | 606039 | 42.44% | 5.585% |
| 47 | 8.481 | 2312 | 2314 | 2318 | rBV3 | 389 | 277 | 0.02% | 0.003% |
| 48 | 8.529 | 2325 | 2329 | 2331 | rBV3 | 500 | 433 | 0.03% | 0.004% |
| 49 | 8.612 | 2353 | 2355 | 2356 | rBV | 291 | 147 | 0.01% | 0.001% |
| 50 | 8.661 | 2364 | 2370 | 2372 | rBV3 | 335 | 230 | 0.02% | 0.002% |
| 51 | 8.722 | 2387 | 2389 | 2390 | rBV | 405 | 185 | 0.01% | 0.002% |
| 52 | 8.854 | 2418 | 2430 | 2459 | rBV | 622742 | 1023691 | 71.68% | 9.434% |
| 53 | 9.092 | 2502 | 2504 | 2508 | rVB | 491 | 292 | 0.02% | 0.003% |
| 54 | 9.149 | 2512 | 2522 | 2531 | rBV7 | 1792 | 3098 | 0.22% | 0.029% |
| 55 | 9.236 | 2546 | 2549 | 2553 | rVB2 | 212 | 175 | 0.01% | 0.002% |
| 56 | 9.329 | 2576 | 2578 | 2581 | rVB | 314 | 156 | 0.01% | 0.001% |
| 57 | 9.355 | 2581 | 2586 | 2587 | rBV2 | 564 | 339 | 0.02% | 0.003% |
| 58 | 9.391 | 2595 | 2597 | 2601 | rVB | 297 | 193 | 0.01% | 0.002% |
| 59 | 9.513 | 2630 | 2635 | 2641 | rBV3 | 457 | 599 | 0.04% | 0.006% |
| 60 | 9.538 | 2641 | 2643 | 2644 | rBV | 404 | 205 | 0.01% | 0.002% |
| 61 | 9.799 | 2721 | 2724 | 2727 | rBV2 | 253 | 149 | 0.01% | 0.001% |
| 62 | 9.815 | 2727 | 2729 | 2731 | rBV2 | 279 | 148 | 0.01% | 0.001% |
| 63 | 9.931 | 2759 | 2765 | 2766 | rBV2 | 502 | 410 | 0.03% | 0.004% |
| 64 | 10.014 | 2787 | 2791 | 2794 | rVV | 358 | 189 | 0.01% | 0.002% |
| 65 | 10.037 | 2794 | 2798 | 2801 | rVB2 | 287 | 203 | 0.01% | 0.002% |
| 66 | 10.127 | 2817 | 2826 | 2827 | rBV4 | 2460 | 2328 | 0.16% | 0.021% |
| 67 | 10.217 | 2842 | 2854 | 2878 | rBV | 411536 | 654623 | 45.84% | 6.033% |
| 68 | 10.419 | 2914 | 2917 | 2919 | rBV2 | 417 | 222 | 0.02% | 0.002% |
| 69 | 10.538 | 2950 | 2954 | 2955 | rBV3 | 849 | 581 | 0.04% | 0.005% |
| 70 | 10.616 | 2976 | 2978 | 2982 | rBV4 | 525 | 322 | 0.02% | 0.003% |
| 71 | 10.670 | 2992 | 2995 | 2997 | rBV2 | 486 | 204 | 0.01% | 0.002% |
| 72 | 10.722 | 3006 | 3011 | 3013 | rBV | 251 | 220 | 0.02% | 0.002% |
| 73 | 10.754 | 3017 | 3021 | 3022 | rBV2 | 334 | 278 | 0.02% | 0.003% |
| 74 | 10.783 | 3027 | 3030 | 3032 | rBV2 | 526 | 317 | 0.02% | 0.003% |
| 75 | 10.921 | 3066 | 3073 | 3085 | rVB5 | 4165 | 6660 | 0.47% | 0.061% |
| 76 | 10.985 | 3091 | 3093 | 3098 | rVB2 | 454 | 339 | 0.02% | 0.003% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081921\
Data File : VV021878.D
Acq On : 19 Aug 2021 09:58
Operator : SY/MD
Sample : VV0819WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK237

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 | 11.011 | 3098 | 3101 | 3102 | rBV | 380 | 221 | 0.02% | 0.002% |
| 78 | 11.101 | 3127 | 3129 | 3131 | rBV | 205 | 141 | 0.01% | 0.001% |
| 79 | 11.149 | 3136 | 3144 | 3150 | rBV6 | 1483 | 2265 | 0.16% | 0.021% |
| 80 | 11.249 | 3164 | 3175 | 3197 | rBV | 646838 | 1008404 | 70.61% | 9.293% |
| 81 | 11.625 | 3279 | 3292 | 3318 | rBV | 675145 | 1078441 | 75.51% | 9.939% |
| 82 | 11.908 | 3376 | 3380 | 3388 | rVB3 | 617 | 693 | 0.05% | 0.006% |
| 83 | 11.953 | 3389 | 3394 | 3397 | rBV2 | 517 | 457 | 0.03% | 0.004% |
| 84 | 11.998 | 3406 | 3408 | 3412 | rVB2 | 607 | 374 | 0.03% | 0.003% |
| 85 | 12.059 | 3424 | 3427 | 3429 | rBV3 | 347 | 282 | 0.02% | 0.003% |
| 86 | 12.181 | 3463 | 3465 | 3470 | rBV3 | 269 | 266 | 0.02% | 0.002% |
| 87 | 12.217 | 3474 | 3476 | 3478 | rBV | 321 | 164 | 0.01% | 0.002% |
| 88 | 12.333 | 3510 | 3512 | 3519 | rVB | 379 | 233 | 0.02% | 0.002% |
| 89 | 12.387 | 3527 | 3529 | 3533 | rVB | 381 | 202 | 0.01% | 0.002% |
| 90 | 12.580 | 3587 | 3589 | 3591 | rBV | 367 | 188 | 0.01% | 0.002% |
| 91 | 12.654 | 3603 | 3612 | 3622 | rBV4 | 3730 | 5699 | 0.40% | 0.053% |
| 92 | 12.760 | 3643 | 3645 | 3647 | rBV | 318 | 155 | 0.01% | 0.001% |
| 93 | 12.850 | 3669 | 3673 | 3674 | rVB2 | 362 | 182 | 0.01% | 0.002% |
| 94 | 12.886 | 3682 | 3684 | 3687 | rBV2 | 463 | 269 | 0.02% | 0.002% |
| 95 | 12.937 | 3695 | 3700 | 3704 | rBV2 | 534 | 390 | 0.03% | 0.004% |
| 96 | 13.271 | 3796 | 3804 | 3818 | rVB7 | 4057 | 7247 | 0.51% | 0.067% |
| 97 | 13.384 | 3834 | 3839 | 3840 | rBV2 | 430 | 373 | 0.03% | 0.003% |
| 98 | 13.509 | 3870 | 3878 | 3894 | rVB | 10241 | 17611 | 1.23% | 0.162% |
| 99 | 13.657 | 3922 | 3924 | 3928 | rVB4 | 446 | 176 | 0.01% | 0.002% |
| 100 | 13.751 | 3945 | 3953 | 3962 | rVB4 | 5920 | 8196 | 0.57% | 0.076% |

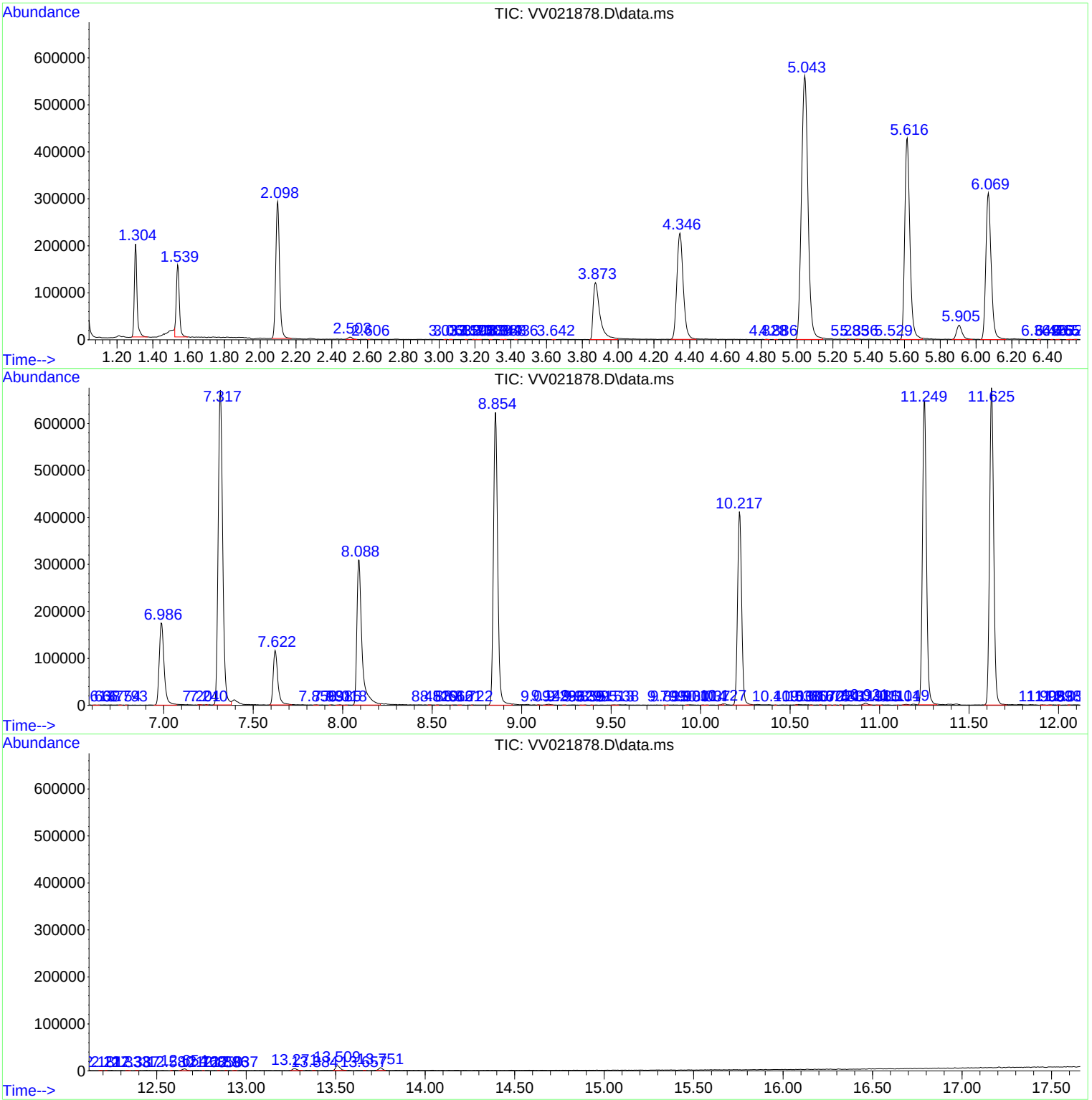
Sum of corrected areas: 10850945

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081921\
Data File : VV021878.D
Acq On : 19 Aug 2021 09:58
Operator : SY/MD
Sample : VV0819WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VBLK237

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\VV081921\
Data File : VV021878.D
Acq On : 19 Aug 2021 09:58
Operator : SY/MD
Sample : VV0819WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK237

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

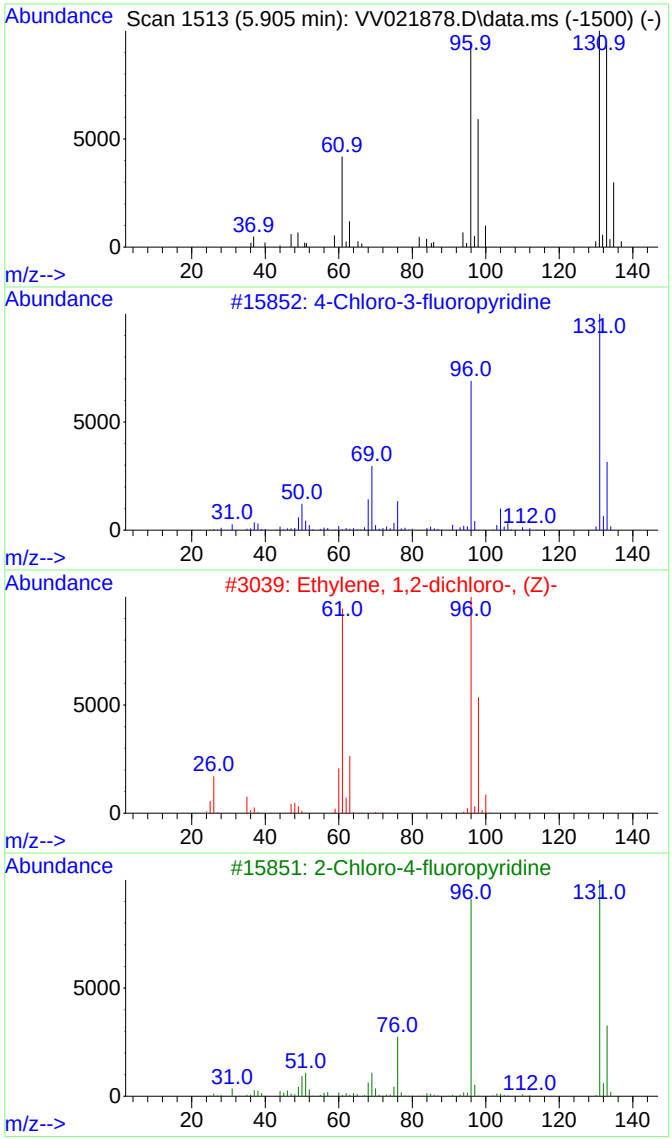
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

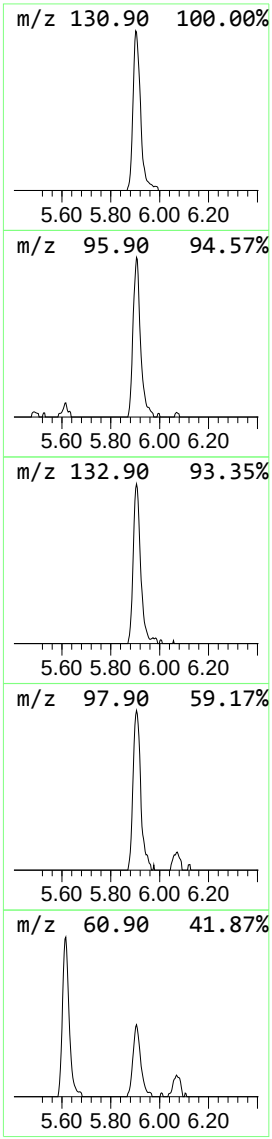
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.905 | 3.81 ug/L | 65277 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-3-fluoropyridine | 131 | C5H3ClFN | 002546-56-7 | 43 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 3 | 2-Chloro-4-fluoropyridine | 131 | C5H3ClFN | 1000484-44-8 | 38 |
| 4 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 37 |
| 5 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 37 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081921\
Data File : VV021878.D
Acq On : 19 Aug 2021 09:58
Operator : SY/MD
Sample : VV0819WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK237

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 | 5.905 | 3.8 | ug/L | 65277 | 1 | 5.616 | 857656 | 50.0 |