LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081820\
Data File : VV018045.D
Acq On : 18 Aug 2020 11:35
Operator : SY/MD
Sample : L3702-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK02

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\SOMVLM081120WMA.M
Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.315 | 63 | 70 | 83 | rVB | 139377 | 138608 | 13.58% | 1.739% |
| 2 | 1.579 | 144 | 152 | 165 | rVB | 121985 | 138569 | 13.58% | 1.739% |
| 3 | 2.122 | 311 | 321 | 350 | rVB | 247738 | 378710 | 37.11% | 4.752% |
| 4 | 2.312 | 374 | 380 | 386 | rVB2 | 686 | 882 | 0.09% | 0.011% |
| 5 | 2.418 | 411 | 413 | 418 | rVB2 | 270 | 129 | 0.01% | 0.002% |
| 6 | 2.450 | 419 | 423 | 437 | rVB2 | 243 | 366 | 0.04% | 0.005% |
| 7 | 2.528 | 438 | 447 | 457 | rBV4 | 2602 | 4408 | 0.43% | 0.055% |
| 8 | 2.637 | 475 | 481 | 487 | rVB3 | 349 | 522 | 0.05% | 0.007% |
| 9 | 2.675 | 487 | 493 | 497 | rVB | 92 | 99 | 0.01% | 0.001% |
| 10 | 2.939 | 566 | 575 | 580 | rBV2 | 152 | 226 | 0.02% | 0.003% |
| 11 | 3.148 | 636 | 640 | 644 | rBV2 | 150 | 129 | 0.01% | 0.002% |
| 12 | 3.196 | 650 | 655 | 657 | rBV | 101 | 93 | 0.01% | 0.001% |
| 13 | 3.267 | 670 | 677 | 679 | rBV | 132 | 109 | 0.01% | 0.001% |
| 14 | 3.293 | 681 | 685 | 688 | rVB2 | 178 | 117 | 0.01% | 0.001% |
| 15 | 3.360 | 699 | 706 | 709 | rVB2 | 102 | 102 | 0.01% | 0.001% |
| 16 | 3.524 | 752 | 757 | 763 | rBV2 | 154 | 212 | 0.02% | 0.003% |
| 17 | 3.679 | 802 | 805 | 808 | rVV | 115 | 90 | 0.01% | 0.001% |
| 18 | 3.708 | 811 | 814 | 818 | rVB2 | 136 | 113 | 0.01% | 0.001% |
| 19 | 3.826 | 847 | 851 | 852 | rBV2 | 113 | 89 | 0.01% | 0.001% |
| 20 | 3.910 | 862 | 877 | 928 | rBV2 | 71482 | 220293 | 21.59% | 2.764% |
| 21 | 4.232 | 974 | 977 | 982 | rBV2 | 193 | 166 | 0.02% | 0.002% |
| 22 | 4.376 | 1005 | 1022 | 1054 | rBV | 162375 | 402282 | 39.42% | 5.048% |
| 23 | 4.518 | 1064 | 1066 | 1069 | rVB2 | 138 | 92 | 0.01% | 0.001% |
| 24 | 4.534 | 1069 | 1071 | 1076 | rVV3 | 333 | 262 | 0.03% | 0.003% |
| 25 | 4.659 | 1106 | 1110 | 1116 | rVB2 | 92 | 101 | 0.01% | 0.001% |
| 26 | 4.733 | 1129 | 1133 | 1136 | rBV | 110 | 102 | 0.01% | 0.001% |
| 27 | 4.894 | 1177 | 1183 | 1186 | rBV2 | 144 | 131 | 0.01% | 0.002% |
| 28 | 5.000 | 1213 | 1216 | 1218 | rBV | 139 | 107 | 0.01% | 0.001% |
| 29 | 5.074 | 1221 | 1239 | 1275 | rBV2 | 395948 | 1020514 | 100.00% | 12.806% |
| 30 | 5.479 | 1361 | 1365 | 1369 | rBV | 88 | 93 | 0.01% | 0.001% |
| 31 | 5.502 | 1369 | 1372 | 1377 | rVB2 | 125 | 104 | 0.01% | 0.001% |
| 32 | 5.640 | 1403 | 1415 | 1451 | rBV | 351231 | 696742 | 68.27% | 8.743% |
| 33 | 5.929 | 1494 | 1505 | 1525 | rVB2 | 18895 | 39209 | 3.84% | 0.492% |
| 34 | 6.042 | 1537 | 1540 | 1543 | rBV | 120 | 91 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081820\
Data File : VV018045.D
Acq On : 18 Aug 2020 11:35
Operator : SY/MD
Sample : L3702-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK02

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\SOMVLM081120WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.093 | 1543 | 1556 | 1586 | rBV | 229019 | 465190 | 45.58% | 5.837% |
| 36 | 6.383 | 1643 | 1646 | 1651 | rVB2 | 158 | 126 | 0.01% | 0.002% |
| 37 | 6.428 | 1657 | 1660 | 1663 | rVB2 | 135 | 103 | 0.01% | 0.001% |
| 38 | 6.486 | 1672 | 1678 | 1688 | rVB2 | 148 | 232 | 0.02% | 0.003% |
| 39 | 6.569 | 1700 | 1704 | 1709 | rBV2 | 146 | 118 | 0.01% | 0.001% |
| 40 | 6.633 | 1721 | 1724 | 1729 | rVB | 165 | 134 | 0.01% | 0.002% |
| 41 | 6.675 | 1729 | 1737 | 1741 | rBV2 | 307 | 357 | 0.03% | 0.004% |
| 42 | 6.733 | 1750 | 1755 | 1758 | rBV2 | 101 | 92 | 0.01% | 0.001% |
| 43 | 7.006 | 1829 | 1840 | 1865 | rBV | 122957 | 221182 | 21.67% | 2.775% |
| 44 | 7.206 | 1900 | 1902 | 1905 | rVB3 | 362 | 191 | 0.02% | 0.002% |
| 45 | 7.241 | 1910 | 1913 | 1914 | rBV | 172 | 97 | 0.01% | 0.001% |
| 46 | 7.254 | 1914 | 1917 | 1927 | rVB2 | 113 | 135 | 0.01% | 0.002% |
| 47 | 7.338 | 1931 | 1943 | 1970 | rBV | 466097 | 799952 | 78.39% | 10.038% |
| 48 | 7.643 | 2028 | 2038 | 2063 | rBV | 87187 | 150747 | 14.77% | 1.892% |
| 49 | 7.772 | 2076 | 2078 | 2083 | rVB2 | 451 | 342 | 0.03% | 0.004% |
| 50 | 7.830 | 2093 | 2096 | 2101 | rVB3 | 229 | 232 | 0.02% | 0.003% |
| 51 | 7.858 | 2104 | 2105 | 2107 | rVB3 | 300 | 105 | 0.01% | 0.001% |
| 52 | 7.887 | 2111 | 2114 | 2116 | rBV | 135 | 94 | 0.01% | 0.001% |
| 53 | 8.061 | 2165 | 2168 | 2173 | rBV | 125 | 89 | 0.01% | 0.001% |
| 54 | 8.109 | 2173 | 2183 | 2225 | rBV2 | 176388 | 352798 | 34.57% | 4.427% |
| 55 | 8.347 | 2253 | 2257 | 2260 | rVB3 | 325 | 272 | 0.03% | 0.003% |
| 56 | 8.363 | 2260 | 2262 | 2266 | rVV | 157 | 87 | 0.01% | 0.001% |
| 57 | 8.399 | 2269 | 2273 | 2277 | rVB2 | 187 | 168 | 0.02% | 0.002% |
| 58 | 8.444 | 2283 | 2287 | 2296 | rVB2 | 848 | 1207 | 0.12% | 0.015% |
| 59 | 8.759 | 2382 | 2385 | 2388 | rVB | 163 | 105 | 0.01% | 0.001% |
| 60 | 8.797 | 2393 | 2397 | 2399 | rBV | 130 | 110 | 0.01% | 0.001% |
| 61 | 8.871 | 2408 | 2420 | 2450 | rBV | 537370 | 868028 | 85.06% | 10.892% |
| 62 | 9.055 | 2473 | 2477 | 2480 | rBV2 | 199 | 171 | 0.02% | 0.002% |
| 63 | 9.170 | 2510 | 2513 | 2516 | rVB2 | 157 | 97 | 0.01% | 0.001% |
| 64 | 9.248 | 2532 | 2537 | 2541 | rBV2 | 142 | 135 | 0.01% | 0.002% |
| 65 | 9.318 | 2554 | 2559 | 2562 | rBV | 111 | 102 | 0.01% | 0.001% |
| 66 | 9.354 | 2568 | 2570 | 2579 | rVB2 | 111 | 98 | 0.01% | 0.001% |
| 67 | 9.495 | 2607 | 2614 | 2617 | rBV | 138 | 159 | 0.02% | 0.002% |
| 68 | 9.604 | 2641 | 2648 | 2651 | rBV2 | 128 | 169 | 0.02% | 0.002% |
| 69 | 9.643 | 2656 | 2660 | 2667 | rBV2 | 101 | 149 | 0.01% | 0.002% |
| 70 | 9.823 | 2713 | 2716 | 2721 | rBV | 86 | 94 | 0.01% | 0.001% |
| 71 | 9.881 | 2731 | 2734 | 2738 | rBV2 | 127 | 108 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081820\
Data File : VV018045.D
Acq On : 18 Aug 2020 11:35
Operator : SY/MD
Sample : L3702-21
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK02

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\SOMVLM081120WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 9.958 | 2755 | 2758 | 2761 | rBV2 | 200 | 120 | 0.01% | 0.002% |
| 73 | 10.238 | 2832 | 2845 | 2864 | rBV | 275705 | 431571 | 42.29% | 5.416% |
| 74 | 10.444 | 2905 | 2909 | 2911 | rBV2 | 127 | 102 | 0.01% | 0.001% |
| 75 | 10.601 | 2954 | 2958 | 2965 | rBV2 | 167 | 197 | 0.02% | 0.002% |
| 76 | 11.077 | 3100 | 3106 | 3110 | rBV2 | 125 | 159 | 0.02% | 0.002% |
| 77 | 11.212 | 3144 | 3148 | 3154 | rBV3 | 201 | 174 | 0.02% | 0.002% |
| 78 | 11.270 | 3154 | 3166 | 3191 | rBV | 551870 | 843514 | 82.66% | 10.585% |
| 79 | 11.411 | 3208 | 3210 | 3215 | rVB | 372 | 250 | 0.02% | 0.003% |
| 80 | 11.469 | 3224 | 3228 | 3231 | rBV | 218 | 163 | 0.02% | 0.002% |
| 81 | 11.514 | 3239 | 3242 | 3245 | rBV | 127 | 92 | 0.01% | 0.001% |
| 82 | 11.566 | 3255 | 3258 | 3260 | rBV2 | 178 | 135 | 0.01% | 0.002% |
| 83 | 11.646 | 3270 | 3283 | 3307 | rBV | 504967 | 782115 | 76.64% | 9.814% |
| 84 | 11.813 | 3332 | 3335 | 3337 | rVB | 196 | 107 | 0.01% | 0.001% |
| 85 | 12.286 | 3480 | 3482 | 3485 | rVB2 | 196 | 93 | 0.01% | 0.001% |
| 86 | 12.434 | 3526 | 3528 | 3532 | rVB2 | 210 | 96 | 0.01% | 0.001% |
| 87 | 12.527 | 3554 | 3557 | 3560 | rBV | 134 | 96 | 0.01% | 0.001% |
| 88 | 12.672 | 3599 | 3602 | 3605 | rBV | 211 | 169 | 0.02% | 0.002% |
| 89 | 12.771 | 3630 | 3633 | 3638 | rVB | 162 | 146 | 0.01% | 0.002% |
| 90 | 13.540 | 3869 | 3872 | 3876 | rBV2 | 296 | 266 | 0.03% | 0.003% |
| 91 | 13.701 | 3919 | 3922 | 3927 | rVB2 | 226 | 181 | 0.02% | 0.002% |
| 92 | 13.794 | 3947 | 3951 | 3954 | rBV3 | 225 | 155 | 0.02% | 0.002% |
| 93 | 13.855 | 3966 | 3970 | 3973 | rBV | 239 | 226 | 0.02% | 0.003% |
| 94 | 13.894 | 3979 | 3982 | 3985 | rBV | 258 | 141 | 0.01% | 0.002% |
| 95 | 13.926 | 3990 | 3992 | 3995 | rBV2 | 169 | 114 | 0.01% | 0.001% |
| 96 | 14.087 | 4039 | 4042 | 4043 | rBV2 | 222 | 110 | 0.01% | 0.001% |
| 97 | 15.662 | 4528 | 4532 | 4534 | rBV3 | 369 | 225 | 0.02% | 0.003% |
| 98 | 15.823 | 4580 | 4582 | 4586 | rBV2 | 410 | 409 | 0.04% | 0.005% |
| 99 | 15.887 | 4600 | 4602 | 4605 | rBV2 | 401 | 204 | 0.02% | 0.003% |
| 100 | 16.045 | 4648 | 4651 | 4654 | rBV3 | 501 | 335 | 0.03% | 0.004% |

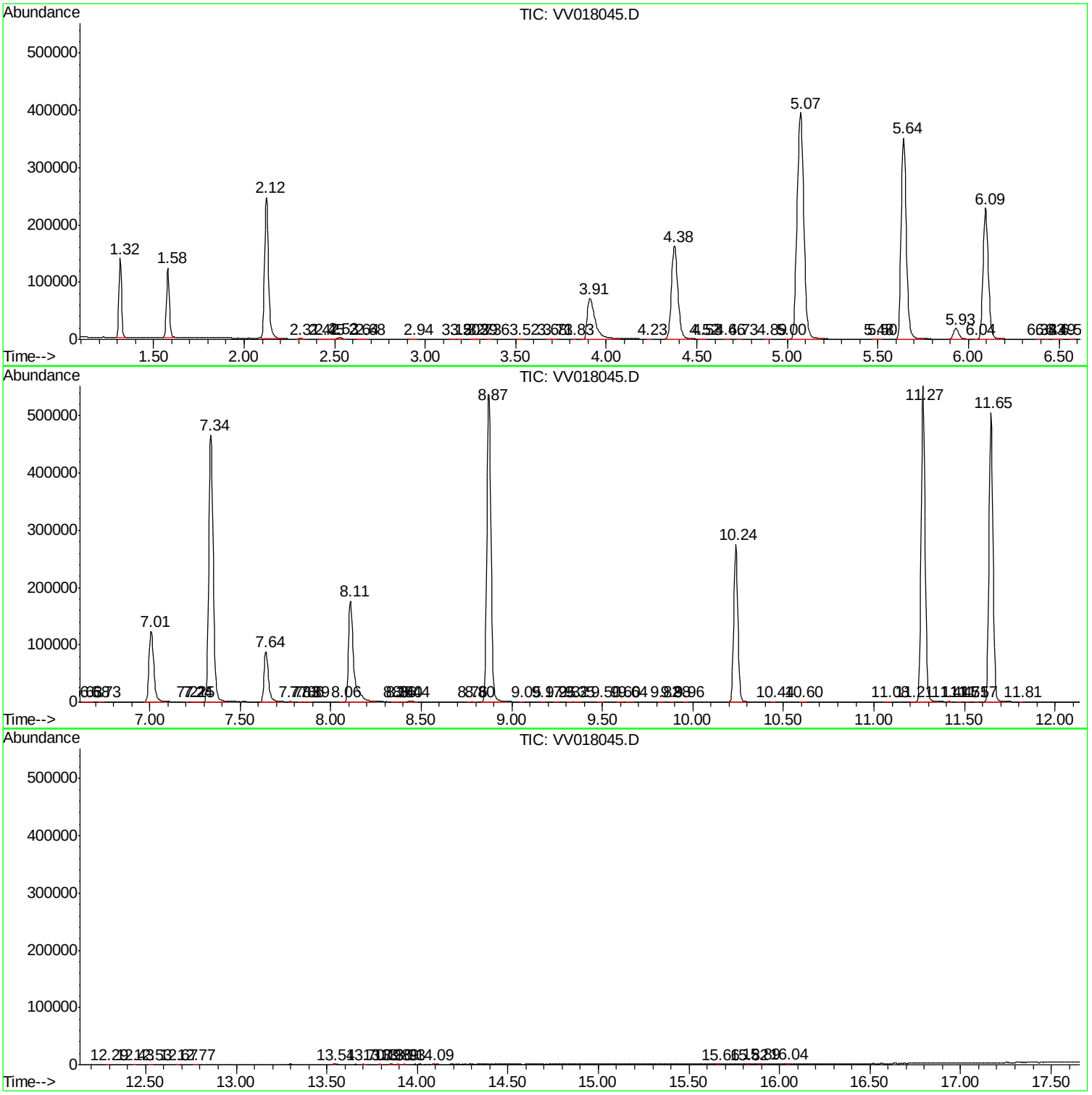
Sum of corrected areas: 7969102

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081820\
Data File : VV018045.D
Acq On : 18 Aug 2020 11:35
Operator : SY/MD
Sample : L3702-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081820\
Data File : VV018045.D
Acq On : 18 Aug 2020 11:35
Operator : SY/MD
Sample : L3702-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis

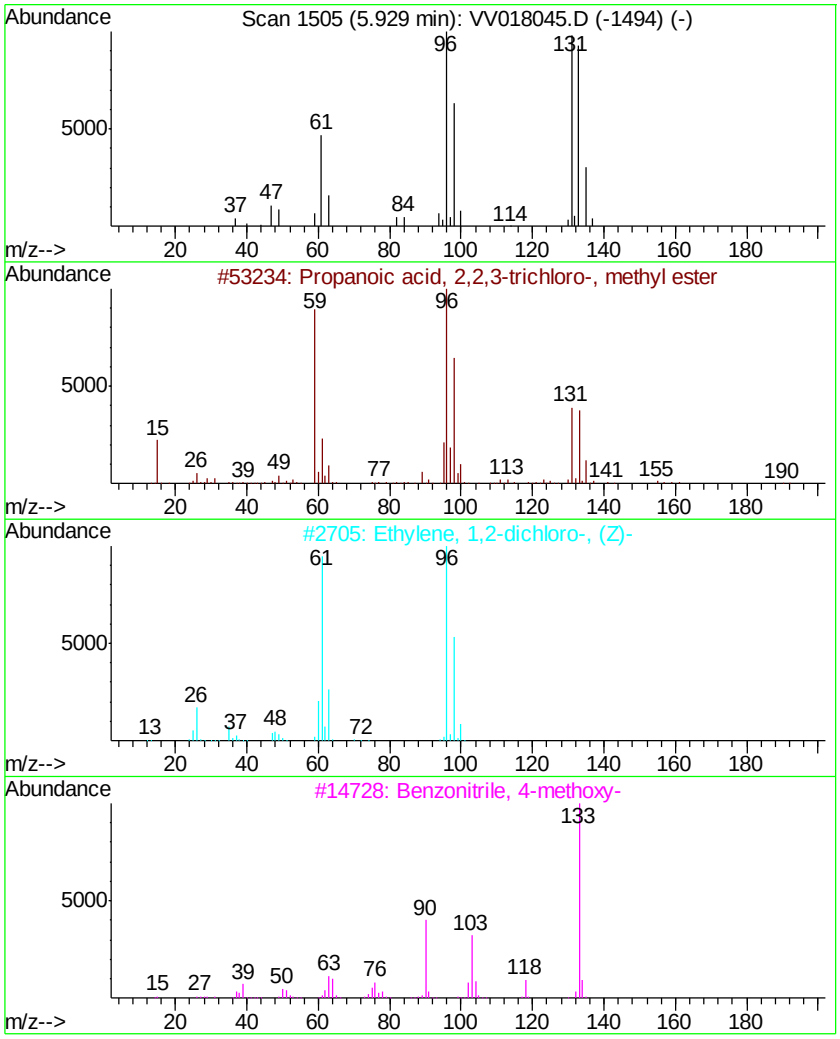
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

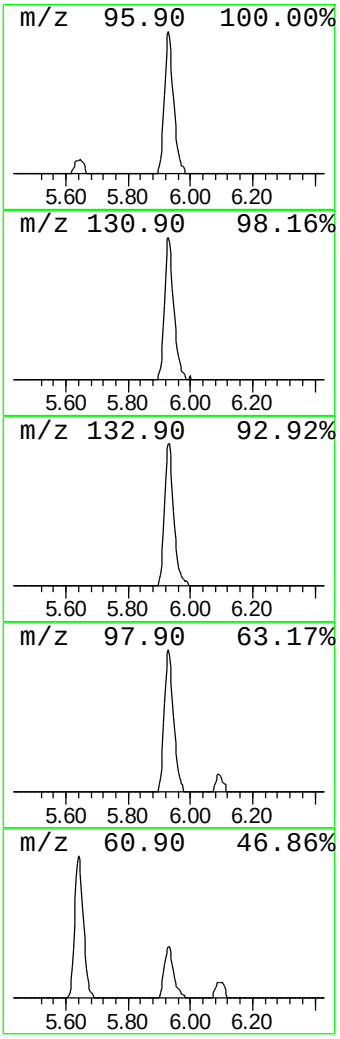
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 2.81 ug/L | 39209 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 50 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 3 | Benzonitrile, 4-methoxy- | 133 | C8H7NO | 000874-90-8 | 9 |
| 4 | Carbamic acid, acetylthio-, O-me... | 133 | C4H7NO2S | 016696-87-0 | 9 |
| 5 | 2-Cyano-3,5-dimethylpyrazine | 133 | C7H7N3 | 124629-52-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081820\
Data File : VV018045.D
Acq On : 18 Aug 2020 11:35
Operator : SY/MD
Sample : L3702-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propanoic acid, 2... | 5.93 | 2.8 | ug/L | 39209 | 1 | 5.64 | 696742 | 50.0 |