LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091120\
Data File : VV018194.D
Acq On : 11 Sep 2020 12:59
Operator : SY/MD
Sample : VV0911WBL01
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK67

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\SOMVLM090920WMA.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 | 84 | rVB | 155898 | 155669 | 13.66% | 1.792% |
| 2 | 1.579 | 144 | 152 | 166 | rBV | 136859 | 154305 | 13.55% | 1.776% |
| 3 | 2.122 | 310 | 321 | 351 | rVB | 270775 | 415303 | 36.46% | 4.780% |
| 4 | 2.312 | 374 | 380 | 389 | rVB | 1261 | 1708 | 0.15% | 0.020% |
| 5 | 2.380 | 398 | 401 | 404 | rBV2 | 193 | 95 | 0.01% | 0.001% |
| 6 | 2.450 | 420 | 423 | 427 | rVB2 | 133 | 100 | 0.01% | 0.001% |
| 7 | 2.489 | 431 | 435 | 439 | rVV2 | 193 | 191 | 0.02% | 0.002% |
| 8 | 2.528 | 439 | 447 | 458 | rVB | 4212 | 7125 | 0.63% | 0.082% |
| 9 | 2.579 | 458 | 463 | 466 | rBV2 | 146 | 137 | 0.01% | 0.002% |
| 10 | 2.791 | 526 | 529 | 535 | rVB2 | 181 | 137 | 0.01% | 0.002% |
| 11 | 2.907 | 562 | 565 | 574 | rVB2 | 139 | 171 | 0.02% | 0.002% |
| 12 | 3.087 | 614 | 621 | 624 | rBV2 | 181 | 246 | 0.02% | 0.003% |
| 13 | 3.360 | 702 | 706 | 709 | rBV | 133 | 99 | 0.01% | 0.001% |
| 14 | 3.405 | 717 | 720 | 725 | rVB2 | 127 | 105 | 0.01% | 0.001% |
| 15 | 3.640 | 789 | 793 | 795 | rBV2 | 133 | 107 | 0.01% | 0.001% |
| 16 | 3.836 | 846 | 854 | 862 | rVB2 | 132 | 189 | 0.02% | 0.002% |
| 17 | 3.917 | 867 | 879 | 921 | rBV | 80143 | 246112 | 21.60% | 2.832% |
| 18 | 4.376 | 1005 | 1022 | 1054 | rBV | 177249 | 446889 | 39.23% | 5.143% |
| 19 | 4.537 | 1069 | 1072 | 1074 | rBV2 | 190 | 156 | 0.01% | 0.002% |
| 20 | 4.563 | 1077 | 1080 | 1083 | rVB3 | 238 | 147 | 0.01% | 0.002% |
| 21 | 4.608 | 1092 | 1094 | 1098 | rVB2 | 225 | 165 | 0.01% | 0.002% |
| 22 | 4.666 | 1109 | 1112 | 1116 | rVB2 | 143 | 108 | 0.01% | 0.001% |
| 23 | 4.717 | 1126 | 1128 | 1133 | rVB2 | 250 | 143 | 0.01% | 0.002% |
| 24 | 4.904 | 1181 | 1186 | 1187 | rBV2 | 159 | 98 | 0.01% | 0.001% |
| 25 | 5.074 | 1220 | 1239 | 1274 | rBV2 | 447681 | 1139194 | 100.00% | 13.111% |
| 26 | 5.244 | 1288 | 1292 | 1297 | rBV3 | 301 | 353 | 0.03% | 0.004% |
| 27 | 5.286 | 1303 | 1305 | 1307 | rBV3 | 196 | 138 | 0.01% | 0.002% |
| 28 | 5.331 | 1313 | 1319 | 1322 | rBV3 | 269 | 338 | 0.03% | 0.004% |
| 29 | 5.405 | 1338 | 1342 | 1344 | rBV | 157 | 127 | 0.01% | 0.001% |
| 30 | 5.437 | 1350 | 1352 | 1355 | rVB2 | 205 | 115 | 0.01% | 0.001% |
| 31 | 5.457 | 1355 | 1358 | 1361 | rBV | 200 | 113 | 0.01% | 0.001% |
| 32 | 5.498 | 1366 | 1371 | 1372 | rBV | 145 | 106 | 0.01% | 0.001% |
| 33 | 5.511 | 1372 | 1375 | 1380 | rVV | 10456 | 6482 | 0.57% | 0.075% |
| 34 | 5.534 | 1380 | 1382 | 1386 | rVB2 | 223 | 159 | 0.01% | 0.002% |

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Acq On : 11 Sep 2020 12:59
Operator : SY/MD
Sample : VV0911WBL01
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK67

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\SOMVLM090920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.643 | 1403 | 1416 | 1447 | rBV | 332588 | 660377 | 57.97% | 7.600% |
| 36 | 5.933 | 1494 | 1506 | 1523 | rBV | 20561 | 42296 | 3.71% | 0.487% |
| 37 | 6.097 | 1543 | 1557 | 1584 | rBV | 255074 | 515036 | 45.21% | 5.927% |
| 38 | 6.235 | 1598 | 1600 | 1602 | rVB | 262 | 135 | 0.01% | 0.002% |
| 39 | 6.251 | 1602 | 1605 | 1607 | rBV2 | 422 | 268 | 0.02% | 0.003% |
| 40 | 6.338 | 1629 | 1632 | 1637 | rVB | 125 | 102 | 0.01% | 0.001% |
| 41 | 6.380 | 1640 | 1645 | 1648 | rBV2 | 80 | 97 | 0.01% | 0.001% |
| 42 | 6.408 | 1648 | 1654 | 1658 | rBV | 190 | 192 | 0.02% | 0.002% |
| 43 | 6.527 | 1688 | 1691 | 1693 | rBV | 191 | 138 | 0.01% | 0.002% |
| 44 | 6.563 | 1698 | 1702 | 1706 | rBV2 | 202 | 194 | 0.02% | 0.002% |
| 45 | 6.781 | 1768 | 1770 | 1775 | rVB2 | 151 | 108 | 0.01% | 0.001% |
| 46 | 6.871 | 1791 | 1798 | 1799 | rBV2 | 137 | 147 | 0.01% | 0.002% |
| 47 | 6.897 | 1803 | 1806 | 1811 | rBV2 | 110 | 101 | 0.01% | 0.001% |
| 48 | 7.010 | 1827 | 1841 | 1870 | rBV | 142888 | 255198 | 22.40% | 2.937% |
| 49 | 7.212 | 1900 | 1904 | 1906 | rBV2 | 258 | 138 | 0.01% | 0.002% |
| 50 | 7.232 | 1906 | 1910 | 1912 | rBV | 236 | 202 | 0.02% | 0.002% |
| 51 | 7.338 | 1931 | 1943 | 1973 | rBV | 520256 | 895481 | 78.61% | 10.306% |
| 52 | 7.643 | 2028 | 2038 | 2074 | rBV | 103274 | 179268 | 15.74% | 2.063% |
| 53 | 8.003 | 2145 | 2150 | 2152 | rBV | 333 | 233 | 0.02% | 0.003% |
| 54 | 8.048 | 2157 | 2164 | 2167 | rBV2 | 103 | 125 | 0.01% | 0.001% |
| 55 | 8.109 | 2173 | 2183 | 2219 | rBV2 | 271418 | 519162 | 45.57% | 5.975% |
| 56 | 8.341 | 2253 | 2255 | 2258 | rVB | 451 | 190 | 0.02% | 0.002% |
| 57 | 8.389 | 2266 | 2270 | 2272 | rBV2 | 144 | 139 | 0.01% | 0.002% |
| 58 | 8.444 | 2279 | 2287 | 2297 | rVB3 | 1332 | 2387 | 0.21% | 0.027% |
| 59 | 8.511 | 2306 | 2308 | 2312 | rBV2 | 173 | 102 | 0.01% | 0.001% |
| 60 | 8.582 | 2326 | 2330 | 2333 | rVB | 157 | 113 | 0.01% | 0.001% |
| 61 | 8.621 | 2340 | 2342 | 2346 | rVB | 146 | 99 | 0.01% | 0.001% |
| 62 | 8.711 | 2367 | 2370 | 2374 | rVB2 | 167 | 117 | 0.01% | 0.001% |
| 63 | 8.875 | 2409 | 2421 | 2448 | rBV | 522369 | 837818 | 73.54% | 9.642% |
| 64 | 9.048 | 2472 | 2475 | 2478 | rBV3 | 304 | 199 | 0.02% | 0.002% |
| 65 | 9.151 | 2504 | 2507 | 2511 | rBV2 | 133 | 139 | 0.01% | 0.002% |
| 66 | 9.177 | 2511 | 2515 | 2518 | rVB2 | 238 | 220 | 0.02% | 0.003% |
| 67 | 9.447 | 2596 | 2599 | 2603 | rBV2 | 125 | 126 | 0.01% | 0.001% |
| 68 | 9.569 | 2634 | 2637 | 2642 | rVB2 | 203 | 197 | 0.02% | 0.002% |
| 69 | 9.662 | 2660 | 2666 | 2668 | rBV2 | 118 | 124 | 0.01% | 0.001% |
| 70 | 9.727 | 2682 | 2686 | 2689 | rVB | 138 | 93 | 0.01% | 0.001% |
| 71 | 9.887 | 2732 | 2736 | 2738 | rBV2 | 139 | 105 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091120\
Data File : VV018194.D
Acq On : 11 Sep 2020 12:59
Operator : SY/MD
Sample : VV0911WBL01
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK67

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\SOMVLM090920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.238 | 2833 | 2845 | 2866 | rVV | 318284 | 494578 | 43.41% | 5.692% |
| 73 | 10.357 | 2881 | 2882 | 2885 | rVB | 265 | 108 | 0.01% | 0.001% |
| 74 | 10.457 | 2910 | 2913 | 2916 | rVB | 141 | 100 | 0.01% | 0.001% |
| 75 | 10.537 | 2935 | 2938 | 2945 | rVB2 | 148 | 154 | 0.01% | 0.002% |
| 76 | 10.569 | 2945 | 2948 | 2950 | rBV | 273 | 154 | 0.01% | 0.002% |
| 77 | 10.813 | 3020 | 3024 | 3026 | rBV2 | 117 | 102 | 0.01% | 0.001% |
| 78 | 11.116 | 3115 | 3118 | 3120 | rBV | 139 | 96 | 0.01% | 0.001% |
| 79 | 11.212 | 3142 | 3148 | 3154 | rBV4 | 510 | 618 | 0.05% | 0.007% |
| 80 | 11.270 | 3154 | 3166 | 3186 | rBV | 534282 | 817762 | 71.78% | 9.411% |
| 81 | 11.444 | 3216 | 3220 | 3221 | rBV2 | 170 | 131 | 0.01% | 0.002% |
| 82 | 11.646 | 3270 | 3283 | 3302 | rBV | 565742 | 882898 | 77.50% | 10.161% |
| 83 | 11.781 | 3322 | 3325 | 3326 | rBV2 | 320 | 153 | 0.01% | 0.002% |
| 84 | 12.161 | 3439 | 3443 | 3446 | rBV | 195 | 187 | 0.02% | 0.002% |
| 85 | 12.241 | 3465 | 3468 | 3475 | rVB2 | 279 | 193 | 0.02% | 0.002% |
| 86 | 12.273 | 3475 | 3478 | 3480 | rBV | 173 | 104 | 0.01% | 0.001% |
| 87 | 12.376 | 3507 | 3510 | 3514 | rVB2 | 273 | 208 | 0.02% | 0.002% |
| 88 | 12.672 | 3598 | 3602 | 3608 | rVB2 | 485 | 579 | 0.05% | 0.007% |
| 89 | 12.961 | 3690 | 3692 | 3695 | rVB | 231 | 108 | 0.01% | 0.001% |
| 90 | 13.151 | 3749 | 3751 | 3754 | rBV | 166 | 114 | 0.01% | 0.001% |
| 91 | 13.296 | 3790 | 3796 | 3802 | rBV3 | 832 | 866 | 0.08% | 0.010% |
| 92 | 13.444 | 3840 | 3842 | 3845 | rBV2 | 190 | 116 | 0.01% | 0.001% |
| 93 | 13.530 | 3865 | 3869 | 3870 | rBV | 282 | 186 | 0.02% | 0.002% |
| 94 | 13.771 | 3941 | 3944 | 3947 | rBV3 | 480 | 430 | 0.04% | 0.005% |
| 95 | 13.987 | 4009 | 4011 | 4017 | rVB2 | 304 | 169 | 0.01% | 0.002% |
| 96 | 14.083 | 4037 | 4041 | 4043 | rBV | 330 | 237 | 0.02% | 0.003% |
| 97 | 14.212 | 4079 | 4081 | 4082 | rBV | 200 | 104 | 0.01% | 0.001% |
| 98 | 14.276 | 4098 | 4101 | 4104 | rBV2 | 260 | 233 | 0.02% | 0.003% |
| 99 | 14.337 | 4117 | 4120 | 4125 | rBV3 | 374 | 378 | 0.03% | 0.004% |
| 100 | 14.463 | 4156 | 4159 | 4161 | rBV | 216 | 163 | 0.01% | 0.002% |

Sum of corrected areas: 8689025

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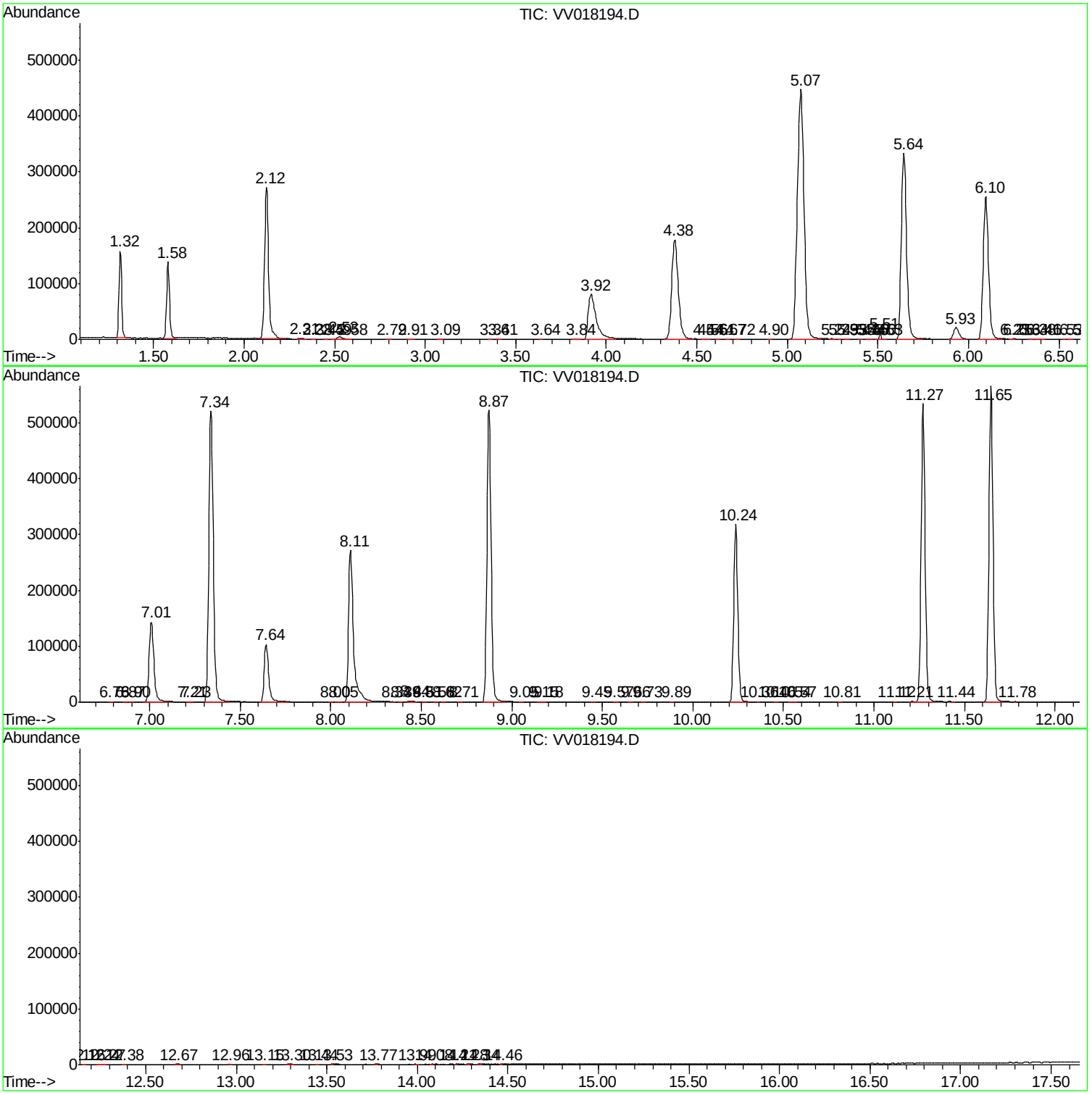
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.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\VV091120\
Data File : VV018194.D
Acq On : 11 Sep 2020 12:59
Operator : SY/MD
Sample : VV0911WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

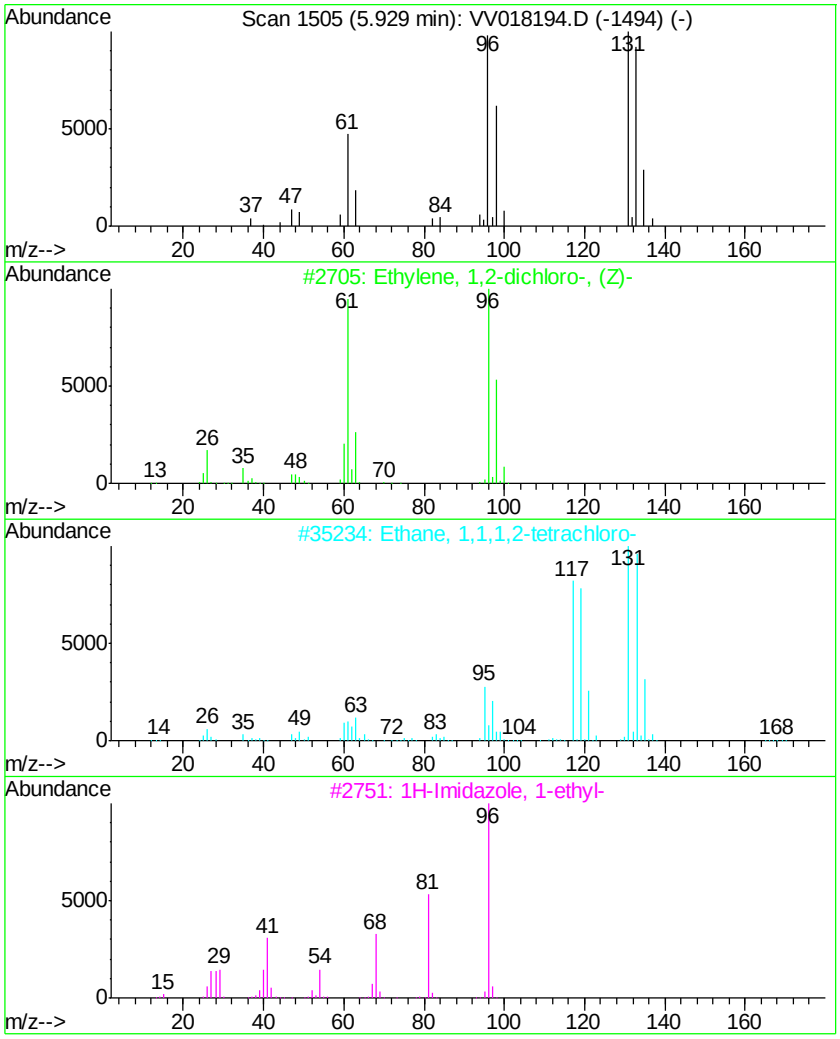
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

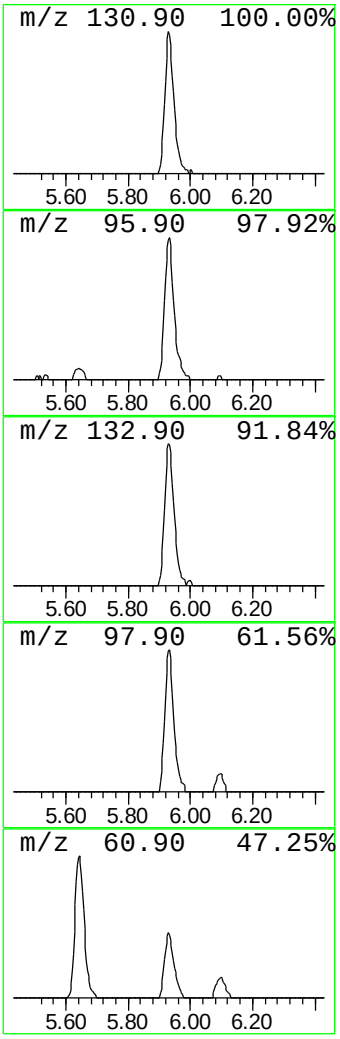
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 3.20 ug/L | 42296 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 2 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 25 |
| 3 | 1H-Imidazole, 1-ethyl- | 96 | C5H8N2 | 007098-07-9 | 9 |
| 4 | 2-Cyano-3,5-dimethylpyrazine | 133 | C7H7N3 | 124629-52-3 | 9 |
| 5 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091120\
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Acq On : 11 Sep 2020 12:59
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK67

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.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 |
| unknown-01 | 5.93 | 3.2 | ug/L | 42296 | 1 | 5.64 | 660377 | 50.0 |