LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100520\
Data File : VV018675.D
Acq On : 05 Oct 2020 15:34
Operator : SY/MD
Sample : L4254-11
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S7

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\SOMVLM092920WMA.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 | 1.222 | 37 | 41 | 50 | rVB | 11889 | 10775 | 1.29% | 0.167% |
| 2 | 1.315 | 64 | 70 | 83 | rVB | 122990 | 124435 | 14.95% | 1.923% |
| 3 | 1.579 | 144 | 152 | 165 | rBV | 110287 | 124734 | 14.98% | 1.928% |
| 4 | 2.123 | 312 | 321 | 339 | rBV | 216779 | 319285 | 38.35% | 4.935% |
| 5 | 2.614 | 472 | 474 | 476 | rBV | 262 | 89 | 0.01% | 0.001% |
| 6 | 2.660 | 486 | 488 | 489 | rBV | 279 | 103 | 0.01% | 0.002% |
| 7 | 2.782 | 523 | 526 | 529 | rBV3 | 282 | 225 | 0.03% | 0.003% |
| 8 | 2.795 | 529 | 530 | 534 | rVB | 431 | 195 | 0.02% | 0.003% |
| 9 | 2.814 | 534 | 536 | 538 | rBV | 263 | 98 | 0.01% | 0.002% |
| 10 | 2.830 | 539 | 541 | 543 | rBV | 281 | 122 | 0.01% | 0.002% |
| 11 | 2.984 | 582 | 589 | 592 | rBV4 | 551 | 585 | 0.07% | 0.009% |
| 12 | 3.020 | 595 | 600 | 603 | rBV2 | 421 | 330 | 0.04% | 0.005% |
| 13 | 3.058 | 609 | 612 | 613 | rBV | 400 | 232 | 0.03% | 0.004% |
| 14 | 3.110 | 626 | 628 | 632 | rBV | 291 | 245 | 0.03% | 0.004% |
| 15 | 3.171 | 641 | 647 | 651 | rBV3 | 459 | 451 | 0.05% | 0.007% |
| 16 | 3.216 | 655 | 661 | 664 | rBV | 399 | 445 | 0.05% | 0.007% |
| 17 | 3.261 | 673 | 675 | 678 | rBV3 | 371 | 182 | 0.02% | 0.003% |
| 18 | 3.280 | 678 | 681 | 684 | rVB3 | 332 | 251 | 0.03% | 0.004% |
| 19 | 3.338 | 697 | 699 | 701 | rBV | 289 | 109 | 0.01% | 0.002% |
| 20 | 3.402 | 717 | 719 | 725 | rBV | 267 | 228 | 0.03% | 0.004% |
| 21 | 3.444 | 729 | 732 | 734 | rVB2 | 246 | 119 | 0.01% | 0.002% |
| 22 | 3.467 | 734 | 739 | 741 | rBV2 | 467 | 322 | 0.04% | 0.005% |
| 23 | 3.505 | 748 | 751 | 754 | rBV2 | 564 | 492 | 0.06% | 0.008% |
| 24 | 3.566 | 767 | 770 | 772 | rBV | 341 | 213 | 0.03% | 0.003% |
| 25 | 3.608 | 780 | 783 | 787 | rBV2 | 342 | 260 | 0.03% | 0.004% |
| 26 | 3.634 | 787 | 791 | 793 | rBV | 252 | 216 | 0.03% | 0.003% |
| 27 | 3.698 | 808 | 811 | 813 | rBV | 414 | 261 | 0.03% | 0.004% |
| 28 | 3.762 | 828 | 831 | 833 | rBV | 439 | 249 | 0.03% | 0.004% |
| 29 | 3.785 | 835 | 838 | 839 | rBV | 446 | 215 | 0.03% | 0.003% |
| 30 | 3.827 | 850 | 851 | 853 | rBV | 233 | 117 | 0.01% | 0.002% |
| 31 | 3.910 | 864 | 877 | 904 | rBV2 | 52671 | 158005 | 18.98% | 2.442% |
| 32 | 4.373 | 1005 | 1021 | 1045 | rBV | 145442 | 348608 | 41.87% | 5.388% |
| 33 | 4.576 | 1081 | 1084 | 1087 | rVB | 633 | 413 | 0.05% | 0.006% |
| 34 | 4.611 | 1093 | 1095 | 1097 | rBV | 364 | 169 | 0.02% | 0.003% |

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Operator : SY/MD
Sample : L4254-11
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S7

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\SOMVLM092920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 4.656 | 1107 | 1109 | 1112 | rBV3 | 346 | 213 | 0.03% | 0.003% |
| 36 | 4.682 | 1114 | 1117 | 1118 | rBV3 | 458 | 208 | 0.02% | 0.003% |
| 37 | 4.708 | 1122 | 1125 | 1126 | rBV | 258 | 135 | 0.02% | 0.002% |
| 38 | 4.791 | 1147 | 1151 | 1155 | rVB | 388 | 313 | 0.04% | 0.005% |
| 39 | 4.807 | 1155 | 1156 | 1158 | rBV | 266 | 100 | 0.01% | 0.002% |
| 40 | 4.939 | 1195 | 1197 | 1201 | rVB | 436 | 251 | 0.03% | 0.004% |
| 41 | 4.958 | 1201 | 1203 | 1204 | rBV | 302 | 108 | 0.01% | 0.002% |
| 42 | 5.071 | 1221 | 1238 | 1264 | rBV2 | 323405 | 832570 | 100.00% | 12.867% |
| 43 | 5.315 | 1312 | 1314 | 1317 | rBV3 | 379 | 269 | 0.03% | 0.004% |
| 44 | 5.544 | 1383 | 1385 | 1386 | rBV | 328 | 133 | 0.02% | 0.002% |
| 45 | 5.566 | 1390 | 1392 | 1393 | rBV | 195 | 92 | 0.01% | 0.001% |
| 46 | 5.576 | 1393 | 1395 | 1398 | rVB2 | 427 | 201 | 0.02% | 0.003% |
| 47 | 5.598 | 1398 | 1402 | 1403 | rBV | 303 | 193 | 0.02% | 0.003% |
| 48 | 5.640 | 1403 | 1415 | 1442 | rBV | 247820 | 501829 | 60.27% | 7.756% |
| 49 | 5.807 | 1465 | 1467 | 1471 | rVB2 | 742 | 355 | 0.04% | 0.005% |
| 50 | 5.884 | 1489 | 1491 | 1492 | rBV2 | 351 | 178 | 0.02% | 0.003% |
| 51 | 5.926 | 1493 | 1504 | 1521 | rVV2 | 39297 | 81602 | 9.80% | 1.261% |
| 52 | 6.093 | 1542 | 1556 | 1574 | rBV | 186260 | 384081 | 46.13% | 5.936% |
| 53 | 6.283 | 1613 | 1615 | 1618 | rVB2 | 265 | 122 | 0.01% | 0.002% |
| 54 | 6.331 | 1627 | 1630 | 1632 | rBV2 | 303 | 169 | 0.02% | 0.003% |
| 55 | 6.373 | 1641 | 1643 | 1646 | rBV | 552 | 201 | 0.02% | 0.003% |
| 56 | 6.418 | 1655 | 1657 | 1660 | rVB3 | 507 | 266 | 0.03% | 0.004% |
| 57 | 6.470 | 1670 | 1673 | 1677 | rBV2 | 390 | 276 | 0.03% | 0.004% |
| 58 | 6.534 | 1691 | 1693 | 1694 | rBV2 | 501 | 225 | 0.03% | 0.003% |
| 59 | 6.560 | 1699 | 1701 | 1703 | rBV2 | 403 | 261 | 0.03% | 0.004% |
| 60 | 6.688 | 1740 | 1741 | 1746 | rVV2 | 366 | 249 | 0.03% | 0.004% |
| 61 | 6.711 | 1746 | 1748 | 1752 | rVB | 440 | 205 | 0.02% | 0.003% |
| 62 | 6.804 | 1775 | 1777 | 1778 | rBV | 298 | 94 | 0.01% | 0.001% |
| 63 | 6.830 | 1781 | 1785 | 1786 | rBV | 486 | 281 | 0.03% | 0.004% |
| 64 | 6.884 | 1801 | 1802 | 1806 | rVB2 | 328 | 125 | 0.02% | 0.002% |
| 65 | 6.910 | 1808 | 1810 | 1813 | rBV2 | 232 | 157 | 0.02% | 0.002% |
| 66 | 7.007 | 1829 | 1840 | 1862 | rBV | 103534 | 189457 | 22.76% | 2.928% |
| 67 | 7.257 | 1916 | 1918 | 1920 | rBV2 | 464 | 223 | 0.03% | 0.003% |
| 68 | 7.338 | 1931 | 1943 | 1965 | rBV | 381164 | 653144 | 78.45% | 10.094% |
| 69 | 7.640 | 2028 | 2037 | 2057 | rBV | 76233 | 131477 | 15.79% | 2.032% |
| 70 | 7.849 | 2101 | 2102 | 2103 | rBV | 319 | 85 | 0.01% | 0.001% |
| 71 | 8.109 | 2173 | 2183 | 2221 | rBV2 | 156349 | 346474 | 41.61% | 5.355% |

LSC Area Percent Report

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Data File : VV018675.D
Acq On : 05 Oct 2020 15:34
Operator : SY/MD
Sample : L4254-11
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S7

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\SOMVLM092920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 8.576 | 2326 | 2328 | 2331 | rBV2 | 339 | 212 | 0.03% | 0.003% |
| 73 | 8.756 | 2381 | 2384 | 2388 | rBV2 | 526 | 325 | 0.04% | 0.005% |
| 74 | 8.871 | 2408 | 2420 | 2442 | rBV | 396134 | 642079 | 77.12% | 9.923% |
| 75 | 9.074 | 2479 | 2483 | 2485 | rBV4 | 431 | 312 | 0.04% | 0.005% |
| 76 | 9.145 | 2503 | 2505 | 2507 | rVB2 | 431 | 138 | 0.02% | 0.002% |
| 77 | 9.322 | 2555 | 2560 | 2564 | rBV2 | 372 | 395 | 0.05% | 0.006% |
| 78 | 9.360 | 2569 | 2572 | 2574 | rBV2 | 300 | 176 | 0.02% | 0.003% |
| 79 | 9.479 | 2607 | 2609 | 2611 | rVB | 336 | 97 | 0.01% | 0.001% |
| 80 | 9.531 | 2622 | 2625 | 2628 | rBV | 353 | 149 | 0.02% | 0.002% |
| 81 | 9.547 | 2628 | 2630 | 2633 | rBV2 | 359 | 223 | 0.03% | 0.003% |
| 82 | 9.846 | 2718 | 2723 | 2724 | rBV3 | 594 | 523 | 0.06% | 0.008% |
| 83 | 10.238 | 2834 | 2845 | 2860 | rBV | 229931 | 356862 | 42.86% | 5.515% |
| 84 | 10.457 | 2909 | 2913 | 2914 | rBV2 | 510 | 371 | 0.04% | 0.006% |
| 85 | 10.659 | 2974 | 2976 | 2978 | rBV | 369 | 155 | 0.02% | 0.002% |
| 86 | 11.174 | 3132 | 3136 | 3141 | rBV4 | 757 | 651 | 0.08% | 0.010% |
| 87 | 11.270 | 3154 | 3166 | 3190 | rBV | 384361 | 598452 | 71.88% | 9.249% |
| 88 | 11.537 | 3246 | 3249 | 3252 | rBV2 | 306 | 252 | 0.03% | 0.004% |
| 89 | 11.646 | 3271 | 3283 | 3305 | rBV | 406114 | 637711 | 76.60% | 9.856% |
| 90 | 11.756 | 3315 | 3317 | 3318 | rBV3 | 553 | 187 | 0.02% | 0.003% |
| 91 | 12.161 | 3440 | 3443 | 3447 | rVB | 515 | 349 | 0.04% | 0.005% |
| 92 | 12.180 | 3447 | 3449 | 3453 | rBV3 | 451 | 211 | 0.03% | 0.003% |
| 93 | 12.219 | 3458 | 3461 | 3464 | rBV | 449 | 275 | 0.03% | 0.004% |
| 94 | 12.267 | 3474 | 3476 | 3477 | rBV | 692 | 221 | 0.03% | 0.003% |
| 95 | 12.373 | 3501 | 3509 | 3517 | rBV6 | 5945 | 9357 | 1.12% | 0.145% |
| 96 | 12.543 | 3558 | 3562 | 3567 | rBV2 | 408 | 355 | 0.04% | 0.005% |
| 97 | 12.836 | 3650 | 3653 | 3657 | rBV2 | 631 | 485 | 0.06% | 0.007% |
| 98 | 13.444 | 3840 | 3842 | 3845 | rBV2 | 334 | 222 | 0.03% | 0.003% |
| 99 | 13.489 | 3854 | 3856 | 3858 | rBV | 474 | 280 | 0.03% | 0.004% |
| 100 | 14.916 | 4297 | 4300 | 4302 | rBV | 502 | 314 | 0.04% | 0.005% |

Sum of corrected areas: 6470439

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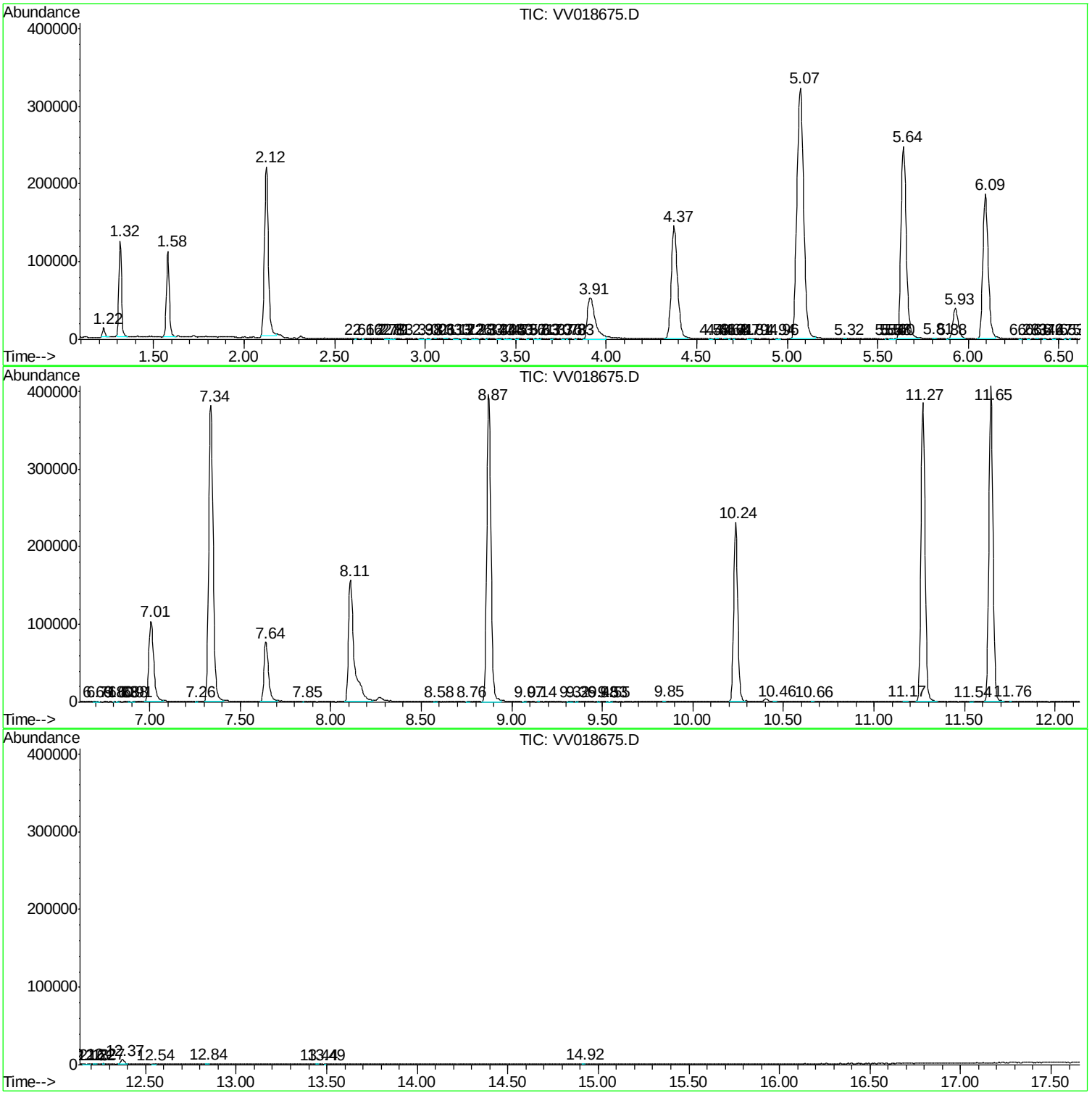
Sample : L4254-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.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\VV100520\
Data File : VV018675.D
Acq On : 05 Oct 2020 15:34
Operator : SY/MD
Sample : L4254-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3S7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

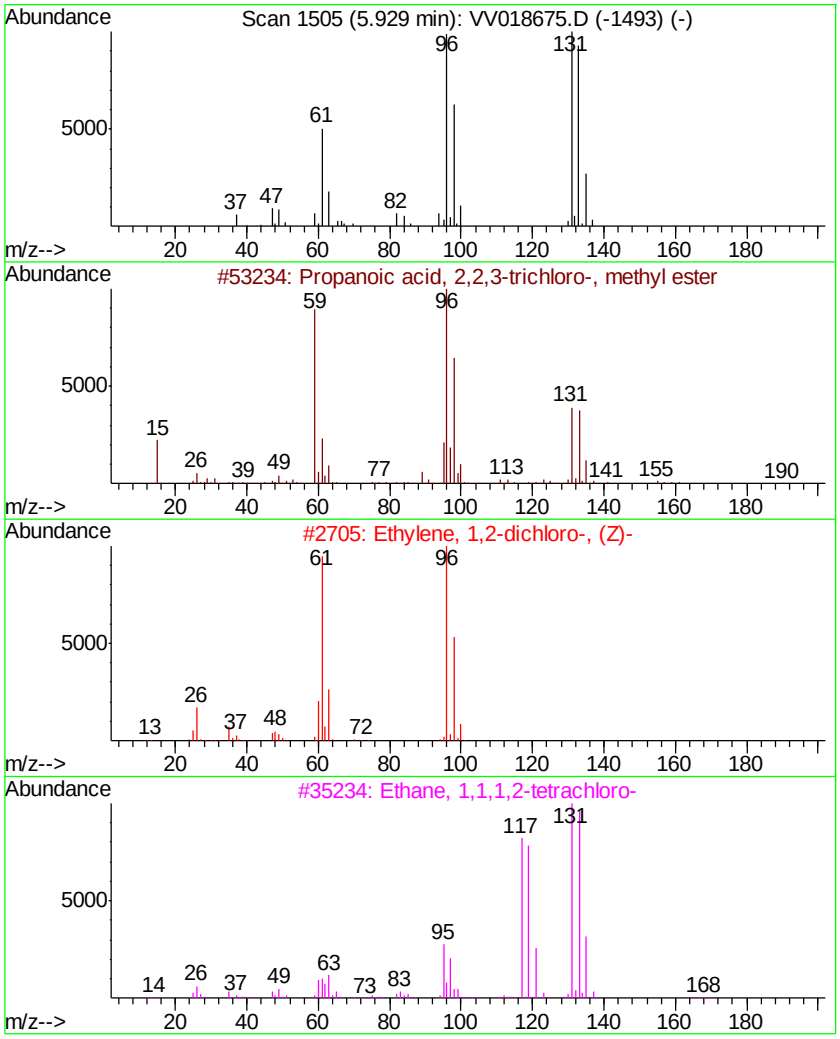
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

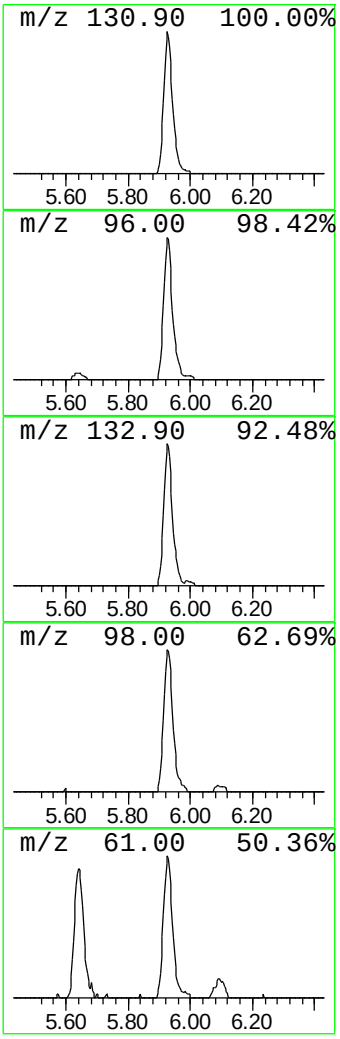
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 8.13 ug/L | 81602 | 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 | 56 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 35 |
| 3 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 32 |
| 4 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 25 |
| 5 | Furfural | 96 | C5H4O2 | 000098-01-1 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100520\
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**ClientSampleId :** BG3S7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.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 | 8.1 | ug/L | 81602 | 1 | 5.64 | 501829 | 50.0 |