LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
Data File : VV016999.D
Acq On : 19 Jun 2020 14:40
Operator : SY/MD
Sample : L3074-13
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9M24

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\SOMVLM060820WMA.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 | 64 | 70 | 83 | rVB | 188003 | 187851 | 13.23% | 1.831% |
| 2 | 1.579 | 145 | 152 | 166 | rBV | 119583 | 136761 | 9.64% | 1.333% |
| 3 | 2.122 | 311 | 321 | 336 | rBV | 301755 | 450480 | 31.74% | 4.391% |
| 4 | 2.312 | 376 | 380 | 381 | rBV4 | 1695 | 1253 | 0.09% | 0.012% |
| 5 | 2.579 | 461 | 463 | 467 | rBV3 | 1369 | 881 | 0.06% | 0.009% |
| 6 | 3.151 | 639 | 641 | 645 | rVB4 | 1153 | 579 | 0.04% | 0.006% |
| 7 | 3.171 | 645 | 647 | 651 | rVB4 | 1397 | 595 | 0.04% | 0.006% |
| 8 | 3.190 | 651 | 653 | 655 | rBV2 | 788 | 457 | 0.03% | 0.004% |
| 9 | 3.241 | 667 | 669 | 671 | rVB3 | 1117 | 341 | 0.02% | 0.003% |
| 10 | 3.286 | 681 | 683 | 685 | rBV3 | 1673 | 802 | 0.06% | 0.008% |
| 11 | 3.331 | 696 | 697 | 702 | rBV5 | 832 | 494 | 0.03% | 0.005% |
| 12 | 3.386 | 712 | 714 | 716 | rBV2 | 1312 | 823 | 0.06% | 0.008% |
| 13 | 3.405 | 718 | 720 | 724 | rVV3 | 1589 | 962 | 0.07% | 0.009% |
| 14 | 3.425 | 724 | 726 | 728 | rVV2 | 818 | 318 | 0.02% | 0.003% |
| 15 | 3.441 | 729 | 731 | 734 | rVV3 | 734 | 433 | 0.03% | 0.004% |
| 16 | 3.499 | 747 | 749 | 751 | rBV2 | 684 | 426 | 0.03% | 0.004% |
| 17 | 3.585 | 774 | 776 | 778 | rBV3 | 934 | 309 | 0.02% | 0.003% |
| 18 | 3.666 | 798 | 801 | 803 | rBV4 | 1420 | 1040 | 0.07% | 0.010% |
| 19 | 3.807 | 843 | 845 | 848 | rBV3 | 1297 | 610 | 0.04% | 0.006% |
| 20 | 3.907 | 866 | 876 | 909 | rBV | 94654 | 270303 | 19.04% | 2.635% |
| 21 | 4.290 | 993 | 995 | 998 | rBV3 | 1695 | 985 | 0.07% | 0.010% |
| 22 | 4.376 | 1009 | 1022 | 1043 | rVB | 241431 | 583344 | 41.10% | 5.686% |
| 23 | 4.666 | 1109 | 1112 | 1113 | rBV3 | 1131 | 629 | 0.04% | 0.006% |
| 24 | 4.900 | 1181 | 1185 | 1189 | rBV7 | 1575 | 1298 | 0.09% | 0.013% |
| 25 | 4.945 | 1196 | 1199 | 1202 | rBV3 | 1082 | 721 | 0.05% | 0.007% |
| 26 | 5.071 | 1221 | 1238 | 1259 | rBV2 | 550055 | 1419416 | 100.00% | 13.835% |
| 27 | 5.408 | 1339 | 1343 | 1345 | rBV3 | 1630 | 1177 | 0.08% | 0.011% |
| 28 | 5.476 | 1362 | 1364 | 1366 | rBV3 | 1356 | 755 | 0.05% | 0.007% |
| 29 | 5.569 | 1391 | 1393 | 1396 | rVB3 | 1205 | 411 | 0.03% | 0.004% |
| 30 | 5.592 | 1396 | 1400 | 1401 | rBV3 | 1272 | 687 | 0.05% | 0.007% |
| 31 | 5.640 | 1403 | 1415 | 1438 | rBV | 385171 | 763730 | 53.81% | 7.444% |
| 32 | 5.926 | 1494 | 1504 | 1520 | rBV3 | 49763 | 101854 | 7.18% | 0.993% |
| 33 | 6.035 | 1535 | 1538 | 1541 | rBV5 | 1663 | 1293 | 0.09% | 0.013% |
| 34 | 6.093 | 1544 | 1556 | 1583 | rVB | 318147 | 642696 | 45.28% | 6.265% |

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9M24

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\SOMVLM060820WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.527 | 1689 | 1691 | 1693 | rBV3 | 902 | 440 | 0.03% | 0.004% |
| 36 | 6.772 | 1764 | 1767 | 1772 | rBV6 | 1731 | 1716 | 0.12% | 0.017% |
| 37 | 6.878 | 1798 | 1800 | 1801 | rVB2 | 1047 | 285 | 0.02% | 0.003% |
| 38 | 7.006 | 1830 | 1840 | 1858 | rBV2 | 182298 | 321740 | 22.67% | 3.136% |
| 39 | 7.338 | 1932 | 1943 | 1959 | rBV | 664811 | 1131980 | 79.75% | 11.034% |
| 40 | 7.601 | 2022 | 2025 | 2027 | rBV4 | 1366 | 861 | 0.06% | 0.008% |
| 41 | 7.643 | 2027 | 2038 | 2054 | rBV | 130010 | 225412 | 15.88% | 2.197% |
| 42 | 7.868 | 2105 | 2108 | 2111 | rBV3 | 1839 | 1328 | 0.09% | 0.013% |
| 43 | 7.923 | 2122 | 2125 | 2126 | rBV3 | 2497 | 1598 | 0.11% | 0.016% |
| 44 | 8.109 | 2173 | 2183 | 2222 | rBV2 | 277695 | 592543 | 41.75% | 5.776% |
| 45 | 8.621 | 2340 | 2342 | 2344 | rBV3 | 946 | 310 | 0.02% | 0.003% |
| 46 | 8.775 | 2389 | 2390 | 2392 | rBV2 | 813 | 335 | 0.02% | 0.003% |
| 47 | 8.875 | 2409 | 2421 | 2438 | rBV | 559999 | 908045 | 63.97% | 8.851% |
| 48 | 9.228 | 2527 | 2531 | 2532 | rBV2 | 1270 | 675 | 0.05% | 0.007% |
| 49 | 9.402 | 2583 | 2585 | 2588 | rVB4 | 1651 | 713 | 0.05% | 0.007% |
| 50 | 9.788 | 2701 | 2705 | 2709 | rBV6 | 1589 | 1514 | 0.11% | 0.015% |
| 51 | 10.022 | 2776 | 2778 | 2779 | rBV | 875 | 236 | 0.02% | 0.002% |
| 52 | 10.045 | 2783 | 2785 | 2789 | rBV3 | 1351 | 1018 | 0.07% | 0.010% |
| 53 | 10.074 | 2789 | 2794 | 2799 | rVB7 | 1479 | 1545 | 0.11% | 0.015% |
| 54 | 10.100 | 2799 | 2802 | 2808 | rBV8 | 1482 | 1644 | 0.12% | 0.016% |
| 55 | 10.177 | 2824 | 2826 | 2827 | rBV2 | 1343 | 701 | 0.05% | 0.007% |
| 56 | 10.238 | 2832 | 2845 | 2862 | rBV | 336010 | 535925 | 37.76% | 5.224% |
| 57 | 10.392 | 2889 | 2893 | 2896 | rBV4 | 2616 | 2523 | 0.18% | 0.025% |
| 58 | 10.479 | 2918 | 2920 | 2921 | rVB2 | 1682 | 460 | 0.03% | 0.004% |
| 59 | 10.492 | 2921 | 2924 | 2925 | rBV2 | 1925 | 910 | 0.06% | 0.009% |
| 60 | 10.842 | 3029 | 3033 | 3036 | rBV5 | 973 | 799 | 0.06% | 0.008% |
| 61 | 11.051 | 3096 | 3098 | 3100 | rBV2 | 1209 | 786 | 0.06% | 0.008% |
| 62 | 11.270 | 3155 | 3166 | 3184 | rBV | 568791 | 862112 | 60.74% | 8.403% |
| 63 | 11.508 | 3238 | 3240 | 3242 | rBV3 | 969 | 377 | 0.03% | 0.004% |
| 64 | 11.556 | 3251 | 3255 | 3262 | rBV9 | 3382 | 4212 | 0.30% | 0.041% |
| 65 | 11.646 | 3272 | 3283 | 3300 | rVB | 675387 | 1057678 | 74.52% | 10.309% |
| 66 | 11.894 | 3357 | 3360 | 3362 | rBV3 | 1173 | 755 | 0.05% | 0.007% |
| 67 | 11.907 | 3362 | 3364 | 3367 | rBV4 | 975 | 698 | 0.05% | 0.007% |
| 68 | 12.132 | 3433 | 3434 | 3435 | rBV | 873 | 326 | 0.02% | 0.003% |
| 69 | 12.164 | 3441 | 3444 | 3447 | rBV4 | 1272 | 1098 | 0.08% | 0.011% |
| 70 | 12.431 | 3525 | 3527 | 3530 | rVB3 | 1836 | 1012 | 0.07% | 0.010% |
| 71 | 12.450 | 3530 | 3533 | 3534 | rBV3 | 929 | 526 | 0.04% | 0.005% |

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Sample : L3074-13
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9M24

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\SOMVLM060820WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.514 | 3550 | 3553 | 3556 | rBV3 | 1656 | 1183 | 0.08% | 0.012% |
| 73 | 12.630 | 3584 | 3589 | 3592 | rBV7 | 1753 | 1638 | 0.12% | 0.016% |
| 74 | 12.762 | 3627 | 3630 | 3633 | rBV4 | 1267 | 1111 | 0.08% | 0.011% |
| 75 | 12.858 | 3657 | 3660 | 3665 | rBV6 | 1651 | 1857 | 0.13% | 0.018% |
| 76 | 12.910 | 3672 | 3676 | 3679 | rBV7 | 1259 | 1292 | 0.09% | 0.013% |
| 77 | 13.016 | 3707 | 3709 | 3710 | rBV2 | 943 | 301 | 0.02% | 0.003% |
| 78 | 13.112 | 3736 | 3739 | 3743 | rVB5 | 1762 | 1208 | 0.09% | 0.012% |
| 79 | 13.151 | 3743 | 3751 | 3753 | rBV7 | 1856 | 2104 | 0.15% | 0.021% |
| 80 | 13.607 | 3891 | 3893 | 3895 | rBV3 | 956 | 415 | 0.03% | 0.004% |
| 81 | 13.620 | 3895 | 3897 | 3901 | rBV4 | 1335 | 1027 | 0.07% | 0.010% |
| 82 | 13.952 | 3997 | 4000 | 4003 | rBV4 | 2781 | 2043 | 0.14% | 0.020% |
| 83 | 14.251 | 4091 | 4093 | 4097 | rBV3 | 1232 | 1152 | 0.08% | 0.011% |
| 84 | 14.415 | 4141 | 4144 | 4145 | rBV3 | 1866 | 1133 | 0.08% | 0.011% |
| 85 | 14.755 | 4248 | 4250 | 4253 | rBV3 | 1868 | 1071 | 0.08% | 0.010% |
| 86 | 15.218 | 4391 | 4394 | 4397 | rBV4 | 1859 | 1531 | 0.11% | 0.015% |
| 87 | 15.398 | 4448 | 4450 | 4452 | rBV3 | 1627 | 709 | 0.05% | 0.007% |

Sum of corrected areas: 10259325

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061920\
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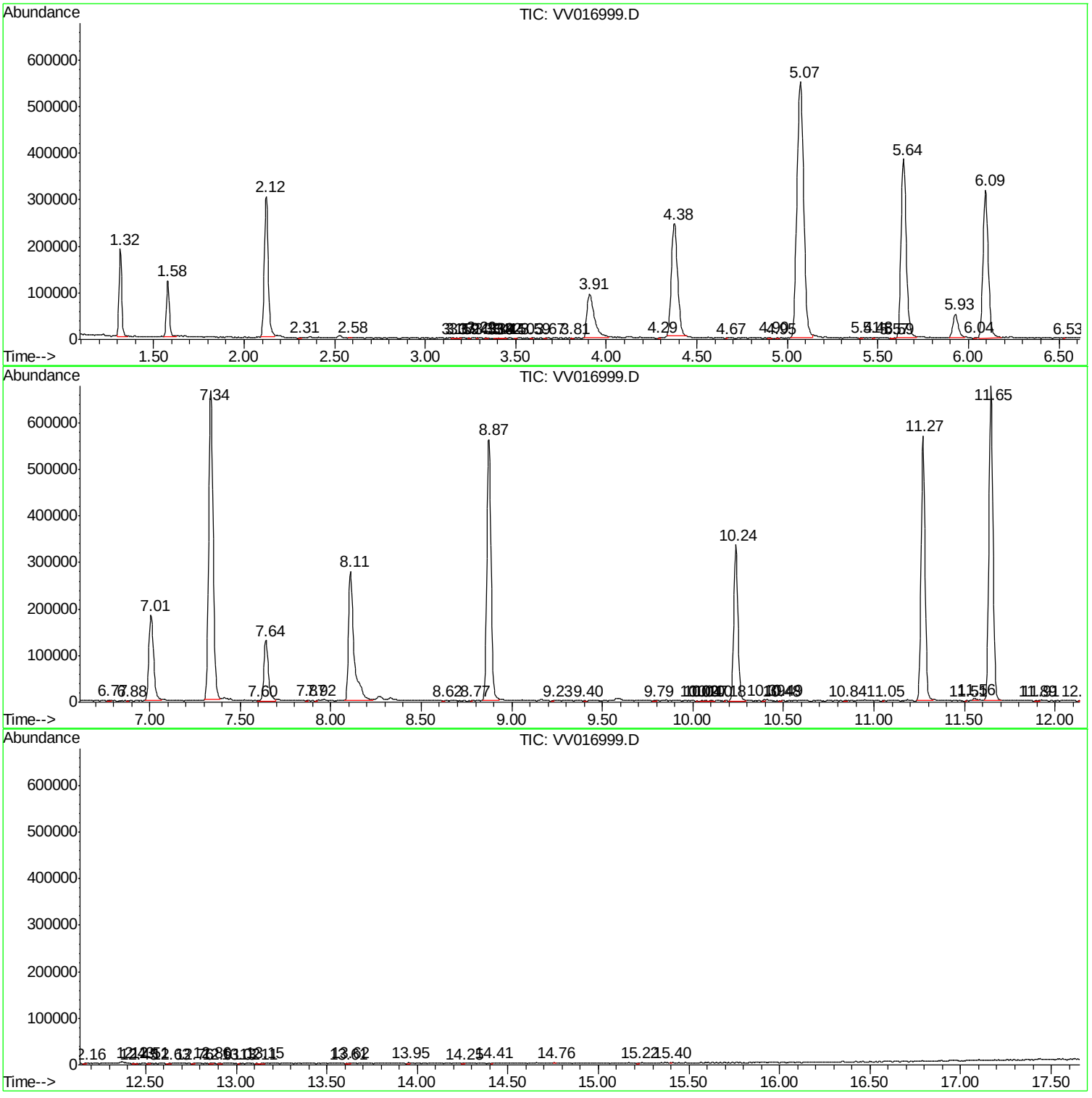
Acq On : 19 Jun 2020 14:40
Operator : SY/MD
Sample : L3074-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9M24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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\VV061920\
Data File : VV016999.D
Acq On : 19 Jun 2020 14:40
Operator : SY/MD
Sample : L3074-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9M24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

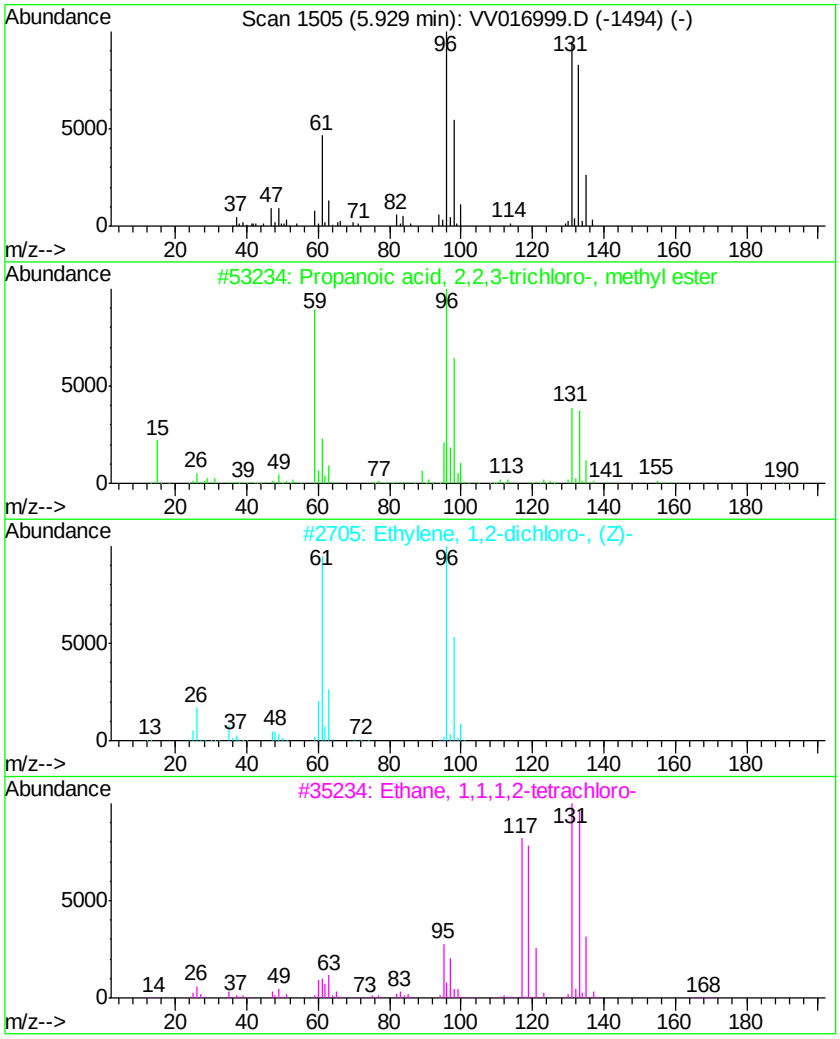
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

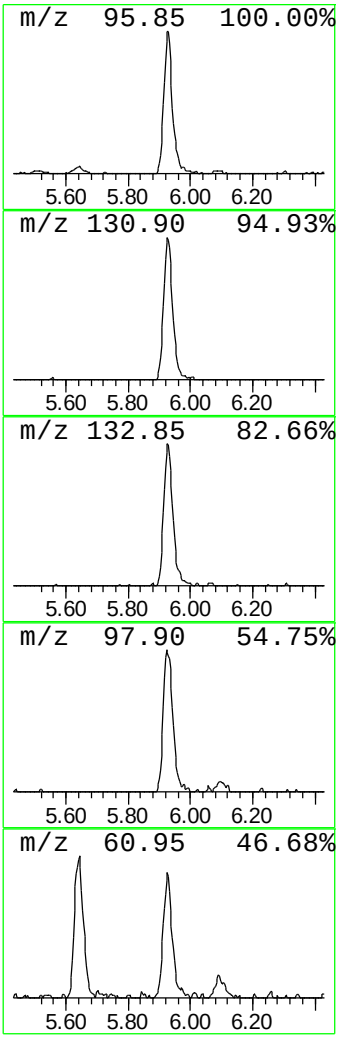
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 6.67 ug/L | 101854 | 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 | 41 |
| 3 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 23 |
| 4 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 12 |
| 5 | 4(1H)-Pyrimidinone | 96 | C4H4N2O | 004562-27-0 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061920\
Data File : VV016999.D
Acq On : 19 Jun 2020 14:40
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9M24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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 | 6.7 | ug/L | 101854 | 1 | 5.64 | 763730 | 50.0 |