LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120519\
Data File : VV013919.D
Acq On : 05 Dec 2019 16:24
Operator : SY/MD
Sample : K6165-09
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DBBW4

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\SOMVLM120219WMA.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 | 1.116 | 5 | 8 | 17 | rVB2 | 10765 | 10497 | 0.52% | 0.063% |
| 2 | 1.319 | 64 | 71 | 87 | rVB | 233140 | 235385 | 11.68% | 1.414% |
| 3 | 1.389 | 90 | 93 | 102 | rVB | 17777 | 18332 | 0.91% | 0.110% |
| 4 | 1.569 | 143 | 149 | 164 | rVB | 249357 | 287934 | 14.28% | 1.730% |
| 5 | 2.126 | 313 | 322 | 335 | rBV | 465863 | 665591 | 33.02% | 4.000% |
| 6 | 2.306 | 371 | 378 | 393 | rVB2 | 13079 | 26728 | 1.33% | 0.161% |
| 7 | 2.360 | 393 | 395 | 403 | rVB7 | 1778 | 1751 | 0.09% | 0.011% |
| 8 | 2.412 | 406 | 411 | 413 | rBV6 | 2169 | 2163 | 0.11% | 0.013% |
| 9 | 2.528 | 441 | 447 | 448 | rBV5 | 2935 | 2643 | 0.13% | 0.016% |
| 10 | 2.650 | 474 | 485 | 495 | rBV2 | 10602 | 20593 | 1.02% | 0.124% |
| 11 | 2.987 | 580 | 590 | 597 | rBV9 | 4526 | 9099 | 0.45% | 0.055% |
| 12 | 3.055 | 608 | 611 | 612 | rBV3 | 1608 | 866 | 0.04% | 0.005% |
| 13 | 3.299 | 680 | 687 | 692 | rBV8 | 1306 | 1778 | 0.09% | 0.011% |
| 14 | 3.341 | 697 | 700 | 703 | rBV5 | 1466 | 1323 | 0.07% | 0.008% |
| 15 | 3.483 | 739 | 744 | 747 | rVV4 | 1069 | 1013 | 0.05% | 0.006% |
| 16 | 3.637 | 786 | 792 | 794 | rBV5 | 1026 | 892 | 0.04% | 0.005% |
| 17 | 3.711 | 812 | 815 | 817 | rBV4 | 1373 | 883 | 0.04% | 0.005% |
| 18 | 3.859 | 859 | 861 | 864 | rBV3 | 1244 | 878 | 0.04% | 0.005% |
| 19 | 3.923 | 869 | 881 | 909 | rBV | 173633 | 478341 | 23.73% | 2.874% |
| 20 | 4.399 | 1011 | 1029 | 1054 | rVV3 | 390811 | 1162072 | 57.65% | 6.983% |
| 21 | 4.640 | 1099 | 1104 | 1106 | rBV5 | 1282 | 964 | 0.05% | 0.006% |
| 22 | 4.669 | 1110 | 1113 | 1116 | rBV5 | 2054 | 1258 | 0.06% | 0.008% |
| 23 | 4.827 | 1158 | 1162 | 1167 | rBV5 | 1158 | 1503 | 0.07% | 0.009% |
| 24 | 4.865 | 1171 | 1174 | 1177 | rBV5 | 947 | 899 | 0.04% | 0.005% |
| 25 | 5.090 | 1227 | 1244 | 1273 | rVV2 | 798196 | 2015822 | 100.00% | 12.113% |
| 26 | 5.254 | 1292 | 1295 | 1299 | rBV6 | 1832 | 1381 | 0.07% | 0.008% |
| 27 | 5.376 | 1326 | 1333 | 1335 | rBV7 | 3066 | 3877 | 0.19% | 0.023% |
| 28 | 5.659 | 1407 | 1421 | 1442 | rBV | 680814 | 1352085 | 67.07% | 8.125% |
| 29 | 5.904 | 1493 | 1497 | 1498 | rBV3 | 2842 | 1988 | 0.10% | 0.012% |
| 30 | 5.946 | 1499 | 1510 | 1522 | rVB3 | 33434 | 68957 | 3.42% | 0.414% |
| 31 | 6.039 | 1537 | 1539 | 1542 | rBV3 | 1707 | 943 | 0.05% | 0.006% |
| 32 | 6.113 | 1547 | 1562 | 1582 | rBV | 468323 | 941352 | 46.70% | 5.657% |
| 33 | 6.200 | 1587 | 1589 | 1594 | rVB5 | 1785 | 1089 | 0.05% | 0.007% |
| 34 | 6.341 | 1631 | 1633 | 1639 | rVB5 | 1909 | 1261 | 0.06% | 0.008% |

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Sample : K6165-09
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DBBW4

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\SOMVLM120219WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.457 | 1666 | 1669 | 1673 | rBV5 | 1677 | 1494 | 0.07% | 0.009% |
| 36 | 6.553 | 1686 | 1699 | 1716 | rBV | 84207 | 166857 | 8.28% | 1.003% |
| 37 | 6.643 | 1722 | 1727 | 1730 | rBV7 | 2481 | 2190 | 0.11% | 0.013% |
| 38 | 6.775 | 1765 | 1768 | 1770 | rBV3 | 1224 | 1016 | 0.05% | 0.006% |
| 39 | 6.804 | 1775 | 1777 | 1784 | rVB5 | 1514 | 1056 | 0.05% | 0.006% |
| 40 | 7.026 | 1832 | 1846 | 1872 | rBV | 241822 | 434162 | 21.54% | 2.609% |
| 41 | 7.177 | 1887 | 1893 | 1898 | rBV7 | 2591 | 3636 | 0.18% | 0.022% |
| 42 | 7.273 | 1914 | 1923 | 1934 | rBV2 | 8131 | 17158 | 0.85% | 0.103% |
| 43 | 7.354 | 1936 | 1948 | 1966 | rBV | 909298 | 1563019 | 77.54% | 9.392% |
| 44 | 7.659 | 2032 | 2043 | 2063 | rBV2 | 175687 | 315861 | 15.67% | 1.898% |
| 45 | 7.826 | 2093 | 2095 | 2099 | rVB4 | 2732 | 1275 | 0.06% | 0.008% |
| 46 | 7.936 | 2124 | 2129 | 2131 | rBV6 | 1551 | 1804 | 0.09% | 0.011% |
| 47 | 7.971 | 2138 | 2140 | 2143 | rVV3 | 2015 | 1392 | 0.07% | 0.008% |
| 48 | 8.013 | 2148 | 2153 | 2161 | rVB6 | 8724 | 14328 | 0.71% | 0.086% |
| 49 | 8.061 | 2166 | 2168 | 2175 | rVB6 | 1795 | 1472 | 0.07% | 0.009% |
| 50 | 8.125 | 2175 | 2188 | 2224 | rBV3 | 498475 | 1038535 | 51.52% | 6.241% |
| 51 | 8.286 | 2230 | 2238 | 2255 | rVB | 44571 | 81482 | 4.04% | 0.490% |
| 52 | 8.495 | 2300 | 2303 | 2307 | rBV6 | 2023 | 1699 | 0.08% | 0.010% |
| 53 | 8.511 | 2307 | 2308 | 2312 | rVV4 | 1774 | 1334 | 0.07% | 0.008% |
| 54 | 8.543 | 2316 | 2318 | 2322 | rVB4 | 1707 | 930 | 0.05% | 0.006% |
| 55 | 8.601 | 2333 | 2336 | 2338 | rBV3 | 2027 | 1213 | 0.06% | 0.007% |
| 56 | 8.810 | 2399 | 2401 | 2408 | rVB7 | 1138 | 953 | 0.05% | 0.006% |
| 57 | 8.891 | 2413 | 2426 | 2444 | rBV | 1053680 | 1695552 | 84.11% | 10.189% |
| 58 | 9.039 | 2470 | 2472 | 2475 | rBV3 | 1812 | 1139 | 0.06% | 0.007% |
| 59 | 9.158 | 2504 | 2509 | 2510 | rBV4 | 1812 | 1412 | 0.07% | 0.008% |
| 60 | 9.302 | 2551 | 2554 | 2555 | rBV3 | 1223 | 867 | 0.04% | 0.005% |
| 61 | 9.614 | 2645 | 2651 | 2653 | rBV5 | 1587 | 1258 | 0.06% | 0.008% |
| 62 | 9.650 | 2659 | 2662 | 2664 | rBV5 | 1577 | 1076 | 0.05% | 0.006% |
| 63 | 9.733 | 2685 | 2688 | 2693 | rVB5 | 1911 | 1500 | 0.07% | 0.009% |
| 64 | 9.765 | 2693 | 2698 | 2700 | rBV4 | 2760 | 2562 | 0.13% | 0.015% |
| 65 | 9.852 | 2716 | 2725 | 2733 | rBV7 | 14894 | 26623 | 1.32% | 0.160% |
| 66 | 10.167 | 2821 | 2823 | 2827 | rBV4 | 1688 | 1490 | 0.07% | 0.009% |
| 67 | 10.254 | 2837 | 2850 | 2868 | rBV | 700777 | 1096075 | 54.37% | 6.586% |
| 68 | 10.389 | 2889 | 2892 | 2895 | rBV3 | 1964 | 1038 | 0.05% | 0.006% |
| 69 | 10.415 | 2895 | 2900 | 2911 | rVB8 | 5752 | 9447 | 0.47% | 0.057% |
| 70 | 10.527 | 2932 | 2935 | 2936 | rBV3 | 1840 | 1010 | 0.05% | 0.006% |
| 71 | 10.543 | 2937 | 2940 | 2943 | rVV4 | 2427 | 2150 | 0.11% | 0.013% |

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Sample : K6165-09
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ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DBBW4

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\SOMVLM120219WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.785 | 3011 | 3015 | 3019 | rVV5 | 2064 | 2130 | 0.11% | 0.013% |
| 73 | 10.965 | 3068 | 3071 | 3073 | rBV3 | 1385 | 960 | 0.05% | 0.006% |
| 74 | 11.084 | 3104 | 3108 | 3109 | rBV3 | 1435 | 1074 | 0.05% | 0.006% |
| 75 | 11.138 | 3122 | 3125 | 3126 | rBV3 | 1681 | 982 | 0.05% | 0.006% |
| 76 | 11.193 | 3138 | 3142 | 3143 | rBV3 | 1676 | 1135 | 0.06% | 0.007% |
| 77 | 11.289 | 3161 | 3172 | 3188 | rBV | 814315 | 1253500 | 62.18% | 7.532% |
| 78 | 11.579 | 3256 | 3262 | 3265 | rBV7 | 3593 | 4653 | 0.23% | 0.028% |
| 79 | 11.666 | 3277 | 3289 | 3308 | rBV | 963996 | 1524210 | 75.61% | 9.159% |
| 80 | 11.952 | 3375 | 3378 | 3380 | rBV3 | 2455 | 1495 | 0.07% | 0.009% |
| 81 | 12.080 | 3416 | 3418 | 3420 | rBV3 | 1606 | 891 | 0.04% | 0.005% |
| 82 | 12.235 | 3462 | 3466 | 3471 | rBV6 | 1643 | 2160 | 0.11% | 0.013% |
| 83 | 12.276 | 3475 | 3479 | 3480 | rBV4 | 2259 | 1442 | 0.07% | 0.009% |
| 84 | 12.498 | 3545 | 3548 | 3553 | rVB6 | 2313 | 1690 | 0.08% | 0.010% |
| 85 | 12.543 | 3558 | 3562 | 3566 | rBV6 | 1472 | 1383 | 0.07% | 0.008% |
| 86 | 12.633 | 3584 | 3590 | 3592 | rBV7 | 2117 | 2072 | 0.10% | 0.012% |
| 87 | 12.801 | 3640 | 3642 | 3645 | rBV3 | 2449 | 1387 | 0.07% | 0.008% |
| 88 | 13.103 | 3734 | 3736 | 3741 | rBV6 | 1391 | 1439 | 0.07% | 0.009% |
| 89 | 13.344 | 3807 | 3811 | 3817 | rVB6 | 2004 | 2159 | 0.11% | 0.013% |
| 90 | 13.440 | 3838 | 3841 | 3846 | rVB7 | 1746 | 1552 | 0.08% | 0.009% |
| 91 | 13.540 | 3868 | 3872 | 3876 | rBV5 | 1483 | 1400 | 0.07% | 0.008% |
| 92 | 13.881 | 3973 | 3978 | 3985 | rBV5 | 2724 | 2923 | 0.15% | 0.018% |
| 93 | 13.955 | 3995 | 4001 | 4003 | rBV7 | 1728 | 1807 | 0.09% | 0.011% |
| 94 | 14.003 | 4013 | 4016 | 4020 | rBV5 | 2093 | 1527 | 0.08% | 0.009% |
| 95 | 14.161 | 4062 | 4065 | 4068 | rBV3 | 1782 | 1372 | 0.07% | 0.008% |
| 96 | 14.489 | 4164 | 4167 | 4169 | rBV4 | 1322 | 914 | 0.05% | 0.005% |
| 97 | 14.611 | 4201 | 4205 | 4210 | rBV7 | 2670 | 2920 | 0.14% | 0.018% |
| 98 | 14.942 | 4306 | 4308 | 4312 | rVB3 | 1956 | 1033 | 0.05% | 0.006% |
| 99 | 15.048 | 4338 | 4341 | 4344 | rVB4 | 2010 | 1471 | 0.07% | 0.009% |
| 100 | 15.125 | 4362 | 4365 | 4367 | rBV4 | 2796 | 1767 | 0.09% | 0.011% |

Sum of corrected areas: 16641654

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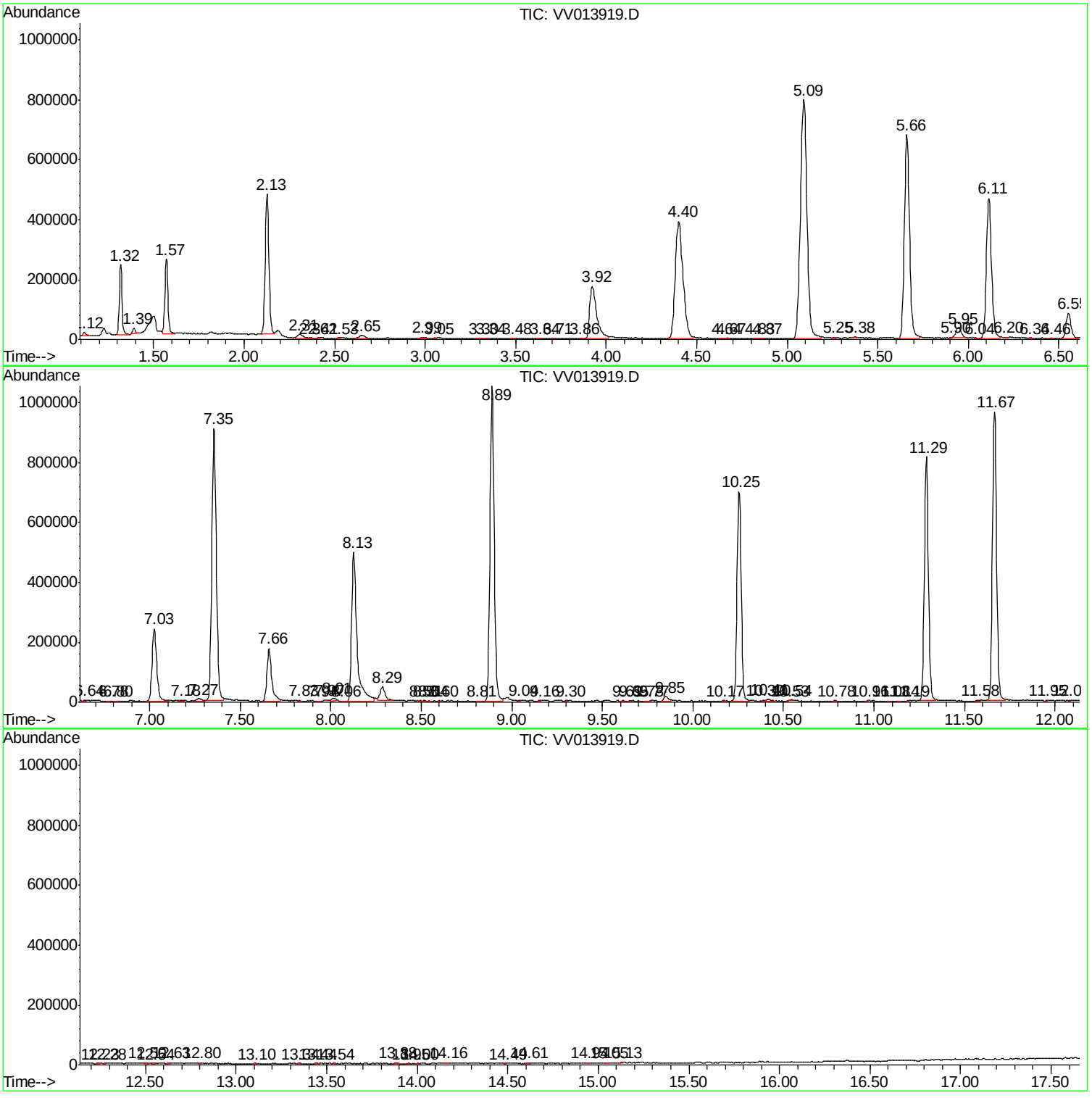
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DBBW4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

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



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Quant Title : VOC Analysis

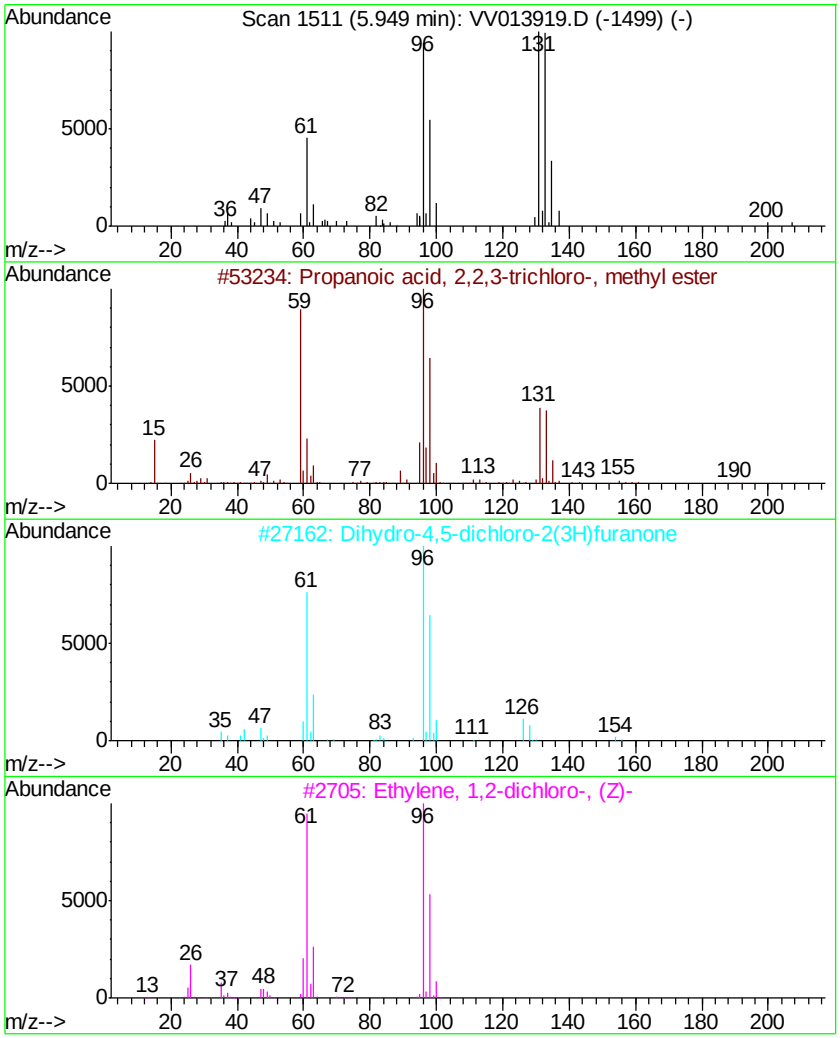
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

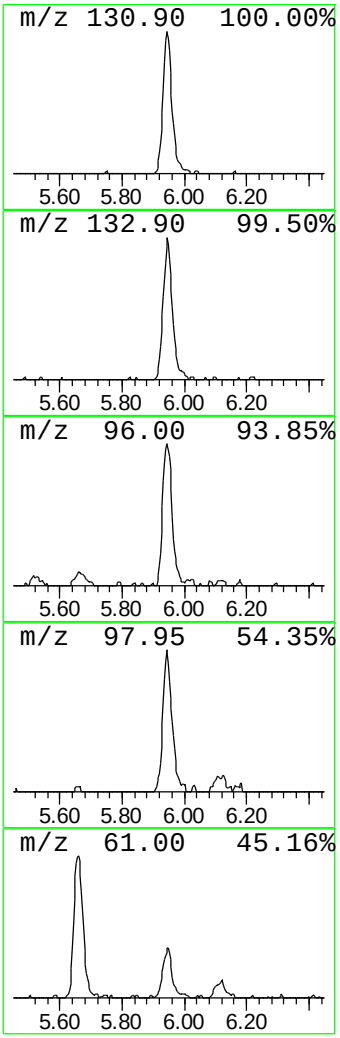
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.95 | 2.55 ug/L | 68957 | 1,4-Difluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 38 |
| 2 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 35 |
| 3 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 25 |
| 4 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 25 |
| 5 | Carbamic acid, acetylthio-, O-me... | 133 | C4H7NO2S | 016696-87-0 | 10 |



Tentatively Identified Compound (LSC) summary

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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 | 5.95 | 2.5 | ug/L | 68957 | 1 | 5.66 | 1352090 | 50.0 |