# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101419\
Data File : VV013139.D
Acq On : 14 Oct 2019 13:59
Operator : SY/MD
Sample : K5347-08
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AF7

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\SOMVLM101119WMA.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 | 1.316 | 63 | 70 | 90 | rVB | 303629 | 331512 | 12.64% | 1.710% |
| 2 | 1.582 | 145 | 153 | 169 | rBV | 266524 | 309171 | 11.78% | 1.595% |
| 3 | 2.126 | 312 | 322 | 334 | rBV | 535136 | 744013 | 28.36% | 3.838% |
| 4 | 2.984 | 585 | 589 | 592 | rBV3 | 659 | 512 | 0.02% | 0.003% |
| 5 | 3.036 | 599 | 605 | 609 | rVB4 | 1230 | 1207 | 0.05% | 0.006% |
| 6 | 3.299 | 682 | 687 | 691 | rVB3 | 563 | 617 | 0.02% | 0.003% |
| 7 | 3.335 | 691 | 698 | 700 | rBV3 | 744 | 694 | 0.03% | 0.004% |
| 8 | 3.425 | 722 | 726 | 732 | rVB2 | 738 | 726 | 0.03% | 0.004% |
| 9 | 3.454 | 732 | 735 | 738 | rBV3 | 816 | 547 | 0.02% | 0.003% |
| 10 | 3.965 | 879 | 894 | 945 | rBV2 | 128571 | 614926 | 23.44% | 3.172% |
| 11 | 4.399 | 1012 | 1029 | 1059 | rBV | 417160 | 1018466 | 38.82% | 5.254% |
| 12 | 4.666 | 1110 | 1112 | 1116 | rVB2 | 1035 | 590 | 0.02% | 0.003% |
| 13 | 4.688 | 1116 | 1119 | 1123 | rBV3 | 700 | 523 | 0.02% | 0.003% |
| 14 | 4.704 | 1123 | 1124 | 1127 | rBV2 | 658 | 446 | 0.02% | 0.002% |
| 15 | 4.836 | 1159 | 1165 | 1171 | rVB5 | 735 | 720 | 0.03% | 0.004% |
| 16 | 4.939 | 1195 | 1197 | 1201 | rVB2 | 665 | 450 | 0.02% | 0.002% |
| 17 | 4.987 | 1208 | 1212 | 1217 | rBV4 | 761 | 815 | 0.03% | 0.004% |
| 18 | 5.026 | 1221 | 1224 | 1226 | rBV2 | 718 | 519 | 0.02% | 0.003% |
| 19 | 5.094 | 1226 | 1245 | 1277 | rBV2 | 1064780 | 2623530 | 100.00% | 13.535% |
| 20 | 5.447 | 1353 | 1355 | 1358 | rVB3 | 800 | 455 | 0.02% | 0.002% |
| 21 | 5.592 | 1395 | 1400 | 1402 | rBV5 | 846 | 810 | 0.03% | 0.004% |
| 22 | 5.663 | 1408 | 1422 | 1453 | rBV | 769169 | 1529280 | 58.29% | 7.890% |
| 23 | 5.836 | 1471 | 1476 | 1482 | rVB7 | 875 | 962 | 0.04% | 0.005% |
| 24 | 5.946 | 1497 | 1510 | 1529 | rBV2 | 61234 | 123135 | 4.69% | 0.635% |
| 25 | 6.116 | 1544 | 1563 | 1592 | rBV | 598653 | 1210669 | 46.15% | 6.246% |
| 26 | 6.341 | 1631 | 1633 | 1638 | rVB2 | 917 | 429 | 0.02% | 0.002% |
| 27 | 6.479 | 1673 | 1676 | 1683 | rVB3 | 856 | 870 | 0.03% | 0.004% |
| 28 | 6.511 | 1683 | 1686 | 1688 | rBV | 545 | 413 | 0.02% | 0.002% |
| 29 | 6.627 | 1720 | 1722 | 1724 | rBV2 | 801 | 423 | 0.02% | 0.002% |
| 30 | 6.650 | 1725 | 1729 | 1733 | rVV5 | 1274 | 1210 | 0.05% | 0.006% |
| 31 | 6.701 | 1742 | 1745 | 1749 | rVB4 | 1082 | 860 | 0.03% | 0.004% |
| 32 | 6.872 | 1795 | 1798 | 1802 | rBV2 | 633 | 490 | 0.02% | 0.003% |
| 33 | 6.946 | 1813 | 1821 | 1825 | rBV3 | 649 | 696 | 0.03% | 0.004% |
| 34 | 7.026 | 1834 | 1846 | 1879 | rBV | 289630 | 528039 | 20.13% | 2.724% |

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AF7

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\SOMVLM101119WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.183 | 1891 | 1895 | 1897 | rBV3 | 1579 | 1252 | 0.05% | 0.006% |
| 36 | 7.357 | 1932 | 1949 | 1983 | rBV | 1121327 | 1964157 | 74.87% | 10.133% |
| 37 | 7.534 | 2001 | 2004 | 2007 | rBV2 | 854 | 596 | 0.02% | 0.003% |
| 38 | 7.663 | 2032 | 2044 | 2065 | rVV | 204237 | 352776 | 13.45% | 1.820% |
| 39 | 7.862 | 2103 | 2106 | 2107 | rBV2 | 571 | 386 | 0.01% | 0.002% |
| 40 | 7.971 | 2129 | 2140 | 2141 | rBV4 | 2430 | 2550 | 0.10% | 0.013% |
| 41 | 8.016 | 2141 | 2154 | 2172 | rVV | 457589 | 763899 | 29.12% | 3.941% |
| 42 | 8.138 | 2180 | 2192 | 2233 | rBV2 | 571899 | 1285347 | 48.99% | 6.631% |
| 43 | 8.585 | 2329 | 2331 | 2337 | rVB3 | 914 | 785 | 0.03% | 0.004% |
| 44 | 8.617 | 2337 | 2341 | 2343 | rBV4 | 860 | 665 | 0.03% | 0.003% |
| 45 | 8.691 | 2362 | 2364 | 2372 | rVB6 | 693 | 607 | 0.02% | 0.003% |
| 46 | 8.730 | 2373 | 2376 | 2380 | rVB3 | 878 | 449 | 0.02% | 0.002% |
| 47 | 8.894 | 2414 | 2427 | 2460 | rBV | 1129575 | 1834894 | 69.94% | 9.466% |
| 48 | 9.106 | 2487 | 2493 | 2496 | rVB5 | 898 | 825 | 0.03% | 0.004% |
| 49 | 9.171 | 2507 | 2513 | 2514 | rBV2 | 1502 | 1196 | 0.05% | 0.006% |
| 50 | 9.180 | 2514 | 2516 | 2519 | rVV4 | 1400 | 822 | 0.03% | 0.004% |
| 51 | 9.232 | 2528 | 2532 | 2535 | rBV4 | 876 | 630 | 0.02% | 0.003% |
| 52 | 9.273 | 2542 | 2545 | 2551 | rVB3 | 650 | 573 | 0.02% | 0.003% |
| 53 | 9.328 | 2557 | 2562 | 2564 | rBV3 | 848 | 588 | 0.02% | 0.003% |
| 54 | 9.380 | 2574 | 2578 | 2582 | rVV4 | 477 | 442 | 0.02% | 0.002% |
| 55 | 9.428 | 2591 | 2593 | 2598 | rVB3 | 666 | 500 | 0.02% | 0.003% |
| 56 | 9.537 | 2624 | 2627 | 2630 | rVB3 | 672 | 374 | 0.01% | 0.002% |
| 57 | 9.582 | 2638 | 2641 | 2643 | rBV2 | 789 | 613 | 0.02% | 0.003% |
| 58 | 9.640 | 2654 | 2659 | 2662 | rVB2 | 759 | 611 | 0.02% | 0.003% |
| 59 | 9.736 | 2684 | 2689 | 2691 | rBV3 | 728 | 515 | 0.02% | 0.003% |
| 60 | 9.769 | 2695 | 2699 | 2704 | rVB3 | 724 | 649 | 0.02% | 0.003% |
| 61 | 9.797 | 2706 | 2708 | 2714 | rVB3 | 597 | 537 | 0.02% | 0.003% |
| 62 | 9.865 | 2722 | 2729 | 2735 | rBV6 | 1222 | 1490 | 0.06% | 0.008% |
| 63 | 9.936 | 2746 | 2751 | 2754 | rVB2 | 689 | 498 | 0.02% | 0.003% |
| 64 | 9.965 | 2754 | 2760 | 2762 | rBV4 | 885 | 741 | 0.03% | 0.004% |
| 65 | 10.257 | 2838 | 2851 | 2878 | rBV | 744271 | 1166690 | 44.47% | 6.019% |
| 66 | 10.421 | 2894 | 2902 | 2910 | rVB3 | 3256 | 5731 | 0.22% | 0.030% |
| 67 | 10.582 | 2945 | 2952 | 2954 | rBV4 | 865 | 909 | 0.03% | 0.005% |
| 68 | 10.650 | 2971 | 2973 | 2979 | rVB3 | 541 | 448 | 0.02% | 0.002% |
| 69 | 10.682 | 2979 | 2983 | 2987 | rBV3 | 477 | 378 | 0.01% | 0.002% |
| 70 | 10.788 | 3011 | 3016 | 3019 | rVB3 | 660 | 519 | 0.02% | 0.003% |
| 71 | 10.823 | 3023 | 3027 | 3031 | rBV4 | 814 | 662 | 0.03% | 0.003% |

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ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AF7

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\SOMVLM101119WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.868 | 3038 | 3041 | 3044 | rVV2 | 487 | 370 | 0.01% | 0.002% |
| 73 | 10.900 | 3048 | 3051 | 3055 | rVB2 | 753 | 583 | 0.02% | 0.003% |
| 74 | 10.994 | 3075 | 3080 | 3084 | rVB2 | 661 | 679 | 0.03% | 0.004% |
| 75 | 11.016 | 3084 | 3087 | 3090 | rBV | 493 | 369 | 0.01% | 0.002% |
| 76 | 11.084 | 3106 | 3108 | 3113 | rVB2 | 560 | 371 | 0.01% | 0.002% |
| 77 | 11.135 | 3121 | 3124 | 3127 | rBV2 | 534 | 382 | 0.01% | 0.002% |
| 78 | 11.199 | 3139 | 3144 | 3151 | rBV5 | 1079 | 1444 | 0.06% | 0.007% |
| 79 | 11.289 | 3160 | 3172 | 3195 | rBV | 854375 | 1340558 | 51.10% | 6.916% |
| 80 | 11.402 | 3205 | 3207 | 3214 | rVB4 | 891 | 830 | 0.03% | 0.004% |
| 81 | 11.476 | 3227 | 3230 | 3236 | rBV6 | 843 | 958 | 0.04% | 0.005% |
| 82 | 11.531 | 3245 | 3247 | 3249 | rBV2 | 605 | 348 | 0.01% | 0.002% |
| 83 | 11.669 | 3277 | 3290 | 3314 | rVV | 974695 | 1578737 | 60.18% | 8.145% |
| 84 | 11.820 | 3335 | 3337 | 3341 | rVB6 | 1010 | 547 | 0.02% | 0.003% |
| 85 | 11.910 | 3363 | 3365 | 3370 | rVB2 | 752 | 490 | 0.02% | 0.003% |
| 86 | 12.174 | 3444 | 3447 | 3451 | rBV2 | 525 | 378 | 0.01% | 0.002% |
| 87 | 12.241 | 3464 | 3468 | 3471 | rBV4 | 881 | 662 | 0.03% | 0.003% |
| 88 | 12.296 | 3481 | 3485 | 3491 | rVB6 | 1548 | 1876 | 0.07% | 0.010% |
| 89 | 12.325 | 3491 | 3494 | 3495 | rBV | 594 | 381 | 0.01% | 0.002% |
| 90 | 12.363 | 3502 | 3506 | 3509 | rBV | 642 | 500 | 0.02% | 0.003% |
| 91 | 12.392 | 3512 | 3515 | 3516 | rBV | 610 | 350 | 0.01% | 0.002% |
| 92 | 12.463 | 3532 | 3537 | 3543 | rVB4 | 872 | 852 | 0.03% | 0.004% |
| 93 | 12.505 | 3547 | 3550 | 3557 | rBV3 | 670 | 824 | 0.03% | 0.004% |
| 94 | 12.569 | 3567 | 3570 | 3571 | rBV2 | 584 | 408 | 0.02% | 0.002% |
| 95 | 12.691 | 3603 | 3608 | 3609 | rBV2 | 1308 | 1092 | 0.04% | 0.006% |
| 96 | 13.132 | 3742 | 3745 | 3750 | rVB3 | 975 | 755 | 0.03% | 0.004% |
| 97 | 13.437 | 3838 | 3840 | 3845 | rVB3 | 772 | 578 | 0.02% | 0.003% |
| 98 | 13.563 | 3872 | 3879 | 3882 | rBV5 | 1462 | 1924 | 0.07% | 0.010% |
| 99 | 13.666 | 3907 | 3911 | 3914 | rBV4 | 898 | 744 | 0.03% | 0.004% |
| 100 | 13.791 | 3947 | 3950 | 3955 | rBV5 | 1102 | 1082 | 0.04% | 0.006% |

Sum of corrected areas: 19383101

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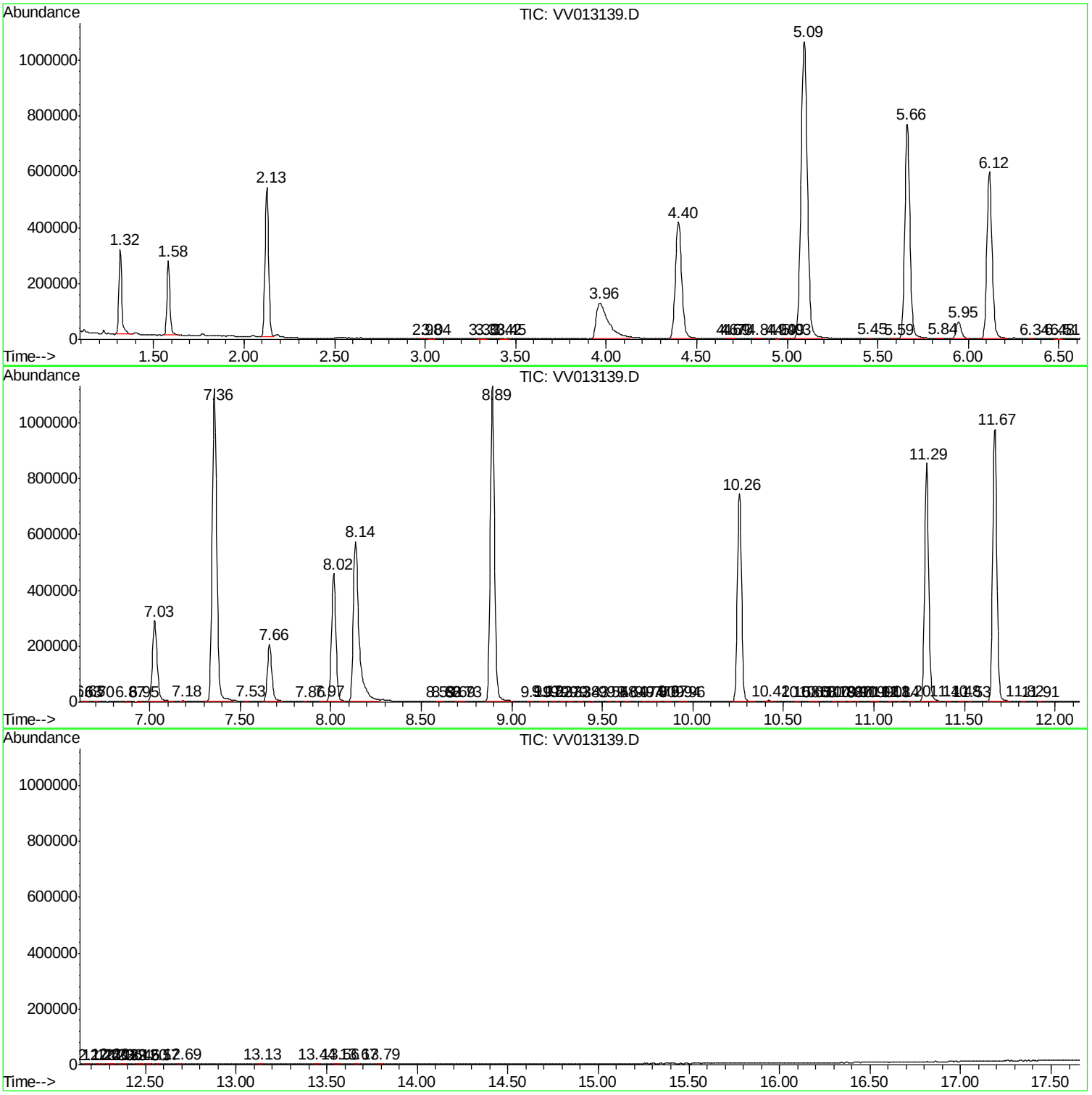
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AF7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.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\VV101419\
Data File : VV013139.D
Acq On : 14 Oct 2019 13:59
Operator : SY/MD
Sample : K5347-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AF7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis

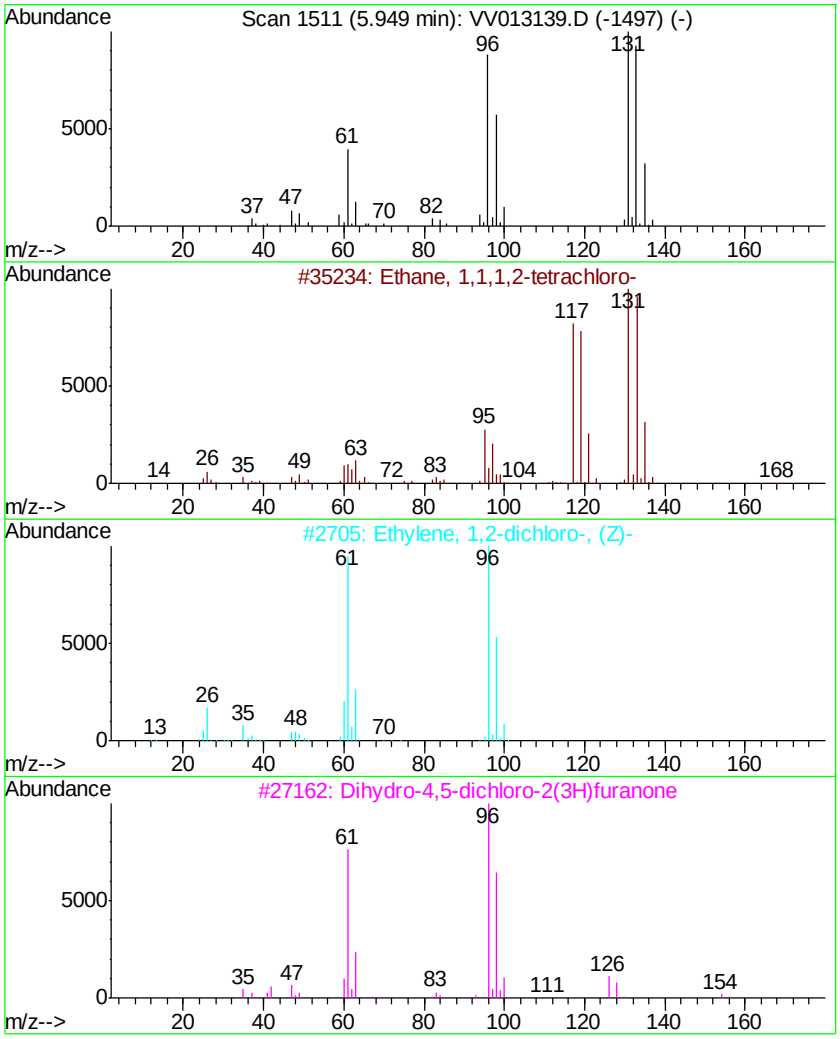
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

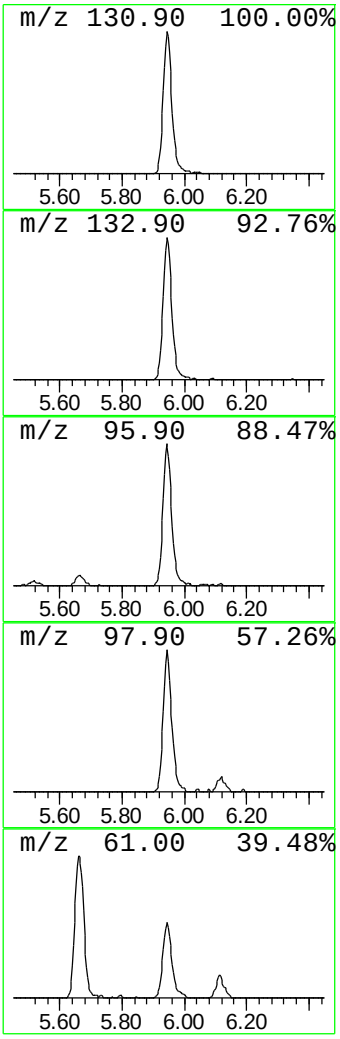
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.95 | 4.03 ug/L | 123135 | 1,4-Difluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 43 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 3 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 16 |
| 4 | Furfural | 96 | C5H4O2 | 000098-01-1 | 9 |
| 5 | m-Methoxybenzontrile | 133 | C8H7NO | 001527-89-5 | 9 |



Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.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 | 5.95 | 4.0 | ug/L | 123135 | 1 | 5.66 | 1529280 | 50.0 |