LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062220\
Data File : VV017017.D
Acq On : 22 Jun 2020 13:31
Operator : SY/MD
Sample : L3074-14
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

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 | 1.319 | 64 | 71 | 86 | rVB | 180330 | 188422 | 12.66% | 1.738% |
| 2 | 1.579 | 145 | 152 | 162 | rVB | 127145 | 138407 | 9.30% | 1.277% |
| 3 | 2.123 | 312 | 321 | 343 | rVB | 307672 | 463011 | 31.11% | 4.271% |
| 4 | 2.335 | 384 | 387 | 388 | rBV3 | 1386 | 697 | 0.05% | 0.006% |
| 5 | 2.463 | 425 | 427 | 428 | rBV3 | 955 | 323 | 0.02% | 0.003% |
| 6 | 2.579 | 460 | 463 | 465 | rVB4 | 1703 | 798 | 0.05% | 0.007% |
| 7 | 2.595 | 465 | 468 | 471 | rBV5 | 1364 | 1193 | 0.08% | 0.011% |
| 8 | 2.615 | 472 | 474 | 477 | rBV4 | 1432 | 834 | 0.06% | 0.008% |
| 9 | 2.766 | 519 | 521 | 522 | rBV2 | 1262 | 381 | 0.03% | 0.004% |
| 10 | 2.914 | 564 | 567 | 569 | rBV3 | 1758 | 1268 | 0.09% | 0.012% |
| 11 | 2.943 | 574 | 576 | 578 | rBV2 | 833 | 442 | 0.03% | 0.004% |
| 12 | 3.094 | 621 | 623 | 627 | rBV3 | 755 | 475 | 0.03% | 0.004% |
| 13 | 3.209 | 656 | 659 | 663 | rBV3 | 1322 | 993 | 0.07% | 0.009% |
| 14 | 3.280 | 678 | 681 | 685 | rBV5 | 1340 | 1300 | 0.09% | 0.012% |
| 15 | 3.357 | 703 | 705 | 707 | rBV2 | 818 | 460 | 0.03% | 0.004% |
| 16 | 3.393 | 714 | 716 | 717 | rBV2 | 955 | 266 | 0.02% | 0.002% |
| 17 | 3.415 | 721 | 723 | 726 | rBV4 | 1072 | 642 | 0.04% | 0.006% |
| 18 | 3.502 | 748 | 750 | 753 | rBV2 | 768 | 475 | 0.03% | 0.004% |
| 19 | 3.602 | 778 | 781 | 782 | rBV3 | 1095 | 685 | 0.05% | 0.006% |
| 20 | 3.727 | 817 | 820 | 823 | rBV4 | 1043 | 615 | 0.04% | 0.006% |
| 21 | 3.759 | 827 | 830 | 833 | rVB5 | 1264 | 722 | 0.05% | 0.007% |
| 22 | 3.782 | 833 | 837 | 838 | rBV2 | 1032 | 693 | 0.05% | 0.006% |
| 23 | 3.814 | 845 | 847 | 850 | rVB4 | 933 | 543 | 0.04% | 0.005% |
| 24 | 3.907 | 866 | 876 | 905 | rBV | 101143 | 292222 | 19.63% | 2.695% |
| 25 | 4.377 | 1003 | 1022 | 1047 | rBV | 246378 | 602326 | 40.47% | 5.556% |
| 26 | 4.627 | 1098 | 1100 | 1102 | rBV2 | 1068 | 471 | 0.03% | 0.004% |
| 27 | 4.914 | 1186 | 1189 | 1193 | rVB3 | 1638 | 1312 | 0.09% | 0.012% |
| 28 | 4.975 | 1206 | 1208 | 1209 | rBV2 | 1345 | 573 | 0.04% | 0.005% |
| 29 | 5.071 | 1221 | 1238 | 1270 | rBV2 | 570840 | 1488460 | 100.00% | 13.729% |
| 30 | 5.640 | 1403 | 1415 | 1442 | rBV | 418414 | 838386 | 56.33% | 7.733% |
| 31 | 5.926 | 1497 | 1504 | 1520 | rVB3 | 31595 | 64772 | 4.35% | 0.597% |
| 32 | 6.094 | 1543 | 1556 | 1576 | rBV2 | 324363 | 662492 | 44.51% | 6.111% |
| 33 | 6.457 | 1667 | 1669 | 1674 | rVB5 | 1576 | 874 | 0.06% | 0.008% |
| 34 | 6.524 | 1686 | 1690 | 1692 | rBV3 | 1394 | 1010 | 0.07% | 0.009% |

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

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 | 6.782 | 1768 | 1770 | 1773 | rVB3 | 1496 | 636 | 0.04% | 0.006% |
| 36 | 6.798 | 1773 | 1775 | 1776 | rBV2 | 1397 | 663 | 0.04% | 0.006% |
| 37 | 6.859 | 1792 | 1794 | 1795 | rBV2 | 1065 | 426 | 0.03% | 0.004% |
| 38 | 7.007 | 1831 | 1840 | 1858 | rVB | 189663 | 332562 | 22.34% | 3.068% |
| 39 | 7.338 | 1930 | 1943 | 1964 | rBV | 693385 | 1182816 | 79.47% | 10.910% |
| 40 | 7.640 | 2028 | 2037 | 2052 | rBV | 136670 | 223368 | 15.01% | 2.060% |
| 41 | 8.110 | 2172 | 2183 | 2219 | rBV2 | 316926 | 626570 | 42.10% | 5.779% |
| 42 | 8.537 | 2314 | 2316 | 2319 | rBV4 | 1254 | 785 | 0.05% | 0.007% |
| 43 | 8.688 | 2361 | 2363 | 2365 | rBV3 | 1308 | 709 | 0.05% | 0.007% |
| 44 | 8.872 | 2408 | 2420 | 2441 | rBV | 614515 | 1009335 | 67.81% | 9.310% |
| 45 | 9.064 | 2477 | 2480 | 2481 | rBV2 | 1286 | 645 | 0.04% | 0.006% |
| 46 | 9.338 | 2563 | 2565 | 2568 | rBV4 | 968 | 676 | 0.05% | 0.006% |
| 47 | 9.646 | 2658 | 2661 | 2666 | rBV6 | 1081 | 1102 | 0.07% | 0.010% |
| 48 | 9.810 | 2708 | 2712 | 2713 | rBV4 | 1568 | 989 | 0.07% | 0.009% |
| 49 | 9.978 | 2762 | 2764 | 2767 | rBV2 | 1004 | 579 | 0.04% | 0.005% |
| 50 | 10.032 | 2779 | 2781 | 2782 | rBV2 | 1026 | 338 | 0.02% | 0.003% |
| 51 | 10.058 | 2786 | 2789 | 2790 | rBV3 | 928 | 507 | 0.03% | 0.005% |
| 52 | 10.171 | 2821 | 2824 | 2827 | rBV2 | 1372 | 954 | 0.06% | 0.009% |
| 53 | 10.187 | 2827 | 2829 | 2832 | rVB3 | 1370 | 585 | 0.04% | 0.005% |
| 54 | 10.238 | 2832 | 2845 | 2867 | rBV | 391643 | 623918 | 41.92% | 5.755% |
| 55 | 10.373 | 2884 | 2887 | 2890 | rBV3 | 1843 | 1269 | 0.09% | 0.012% |
| 56 | 10.450 | 2908 | 2911 | 2914 | rVB4 | 2108 | 1395 | 0.09% | 0.013% |
| 57 | 10.470 | 2914 | 2917 | 2918 | rBV3 | 842 | 426 | 0.03% | 0.004% |
| 58 | 10.672 | 2977 | 2980 | 2981 | rBV2 | 1667 | 919 | 0.06% | 0.008% |
| 59 | 10.756 | 3005 | 3006 | 3009 | rBV2 | 932 | 527 | 0.04% | 0.005% |
| 60 | 10.936 | 3060 | 3062 | 3064 | rBV3 | 1601 | 858 | 0.06% | 0.008% |
| 61 | 11.151 | 3127 | 3129 | 3132 | rBV3 | 1056 | 578 | 0.04% | 0.005% |
| 62 | 11.270 | 3156 | 3166 | 3182 | rBV | 631786 | 944101 | 63.43% | 8.708% |
| 63 | 11.605 | 3266 | 3270 | 3271 | rBV3 | 1705 | 1285 | 0.09% | 0.012% |
| 64 | 11.646 | 3271 | 3283 | 3302 | rVV | 722402 | 1110087 | 74.58% | 10.239% |
| 65 | 11.842 | 3342 | 3344 | 3348 | rVB4 | 1021 | 680 | 0.05% | 0.006% |
| 66 | 11.868 | 3348 | 3352 | 3355 | rBV4 | 1629 | 1023 | 0.07% | 0.009% |
| 67 | 11.952 | 3376 | 3378 | 3386 | rBV7 | 798 | 809 | 0.05% | 0.007% |
| 68 | 12.048 | 3404 | 3408 | 3411 | rBV3 | 2090 | 1977 | 0.13% | 0.018% |
| 69 | 12.232 | 3462 | 3465 | 3469 | rBV5 | 1484 | 1061 | 0.07% | 0.010% |
| 70 | 12.351 | 3500 | 3502 | 3505 | rBV4 | 1360 | 798 | 0.05% | 0.007% |
| 71 | 12.431 | 3524 | 3527 | 3528 | rBV3 | 1760 | 884 | 0.06% | 0.008% |

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Sample : L3074-14
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

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 | 12.605 | 3579 | 3581 | 3583 | rBV3 | 1310 | 613 | 0.04% | 0.006% |
| 73 | 12.675 | 3601 | 3603 | 3608 | rBV6 | 1614 | 1264 | 0.08% | 0.012% |
| 74 | 12.720 | 3615 | 3617 | 3618 | rBV | 1399 | 584 | 0.04% | 0.005% |
| 75 | 12.823 | 3646 | 3649 | 3652 | rBV4 | 1677 | 1145 | 0.08% | 0.011% |
| 76 | 12.839 | 3652 | 3654 | 3656 | rBV3 | 1045 | 469 | 0.03% | 0.004% |
| 77 | 13.087 | 3729 | 3731 | 3737 | rBV5 | 1164 | 823 | 0.06% | 0.008% |
| 78 | 13.479 | 3851 | 3853 | 3854 | rBV2 | 1286 | 464 | 0.03% | 0.004% |
| 79 | 13.521 | 3864 | 3866 | 3868 | rBV3 | 1249 | 654 | 0.04% | 0.006% |
| 80 | 14.383 | 4132 | 4134 | 4137 | rBV3 | 1551 | 1074 | 0.07% | 0.010% |
| 81 | 14.550 | 4184 | 4186 | 4192 | rBV6 | 1335 | 973 | 0.07% | 0.009% |

Sum of corrected areas: 10841446

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062220\
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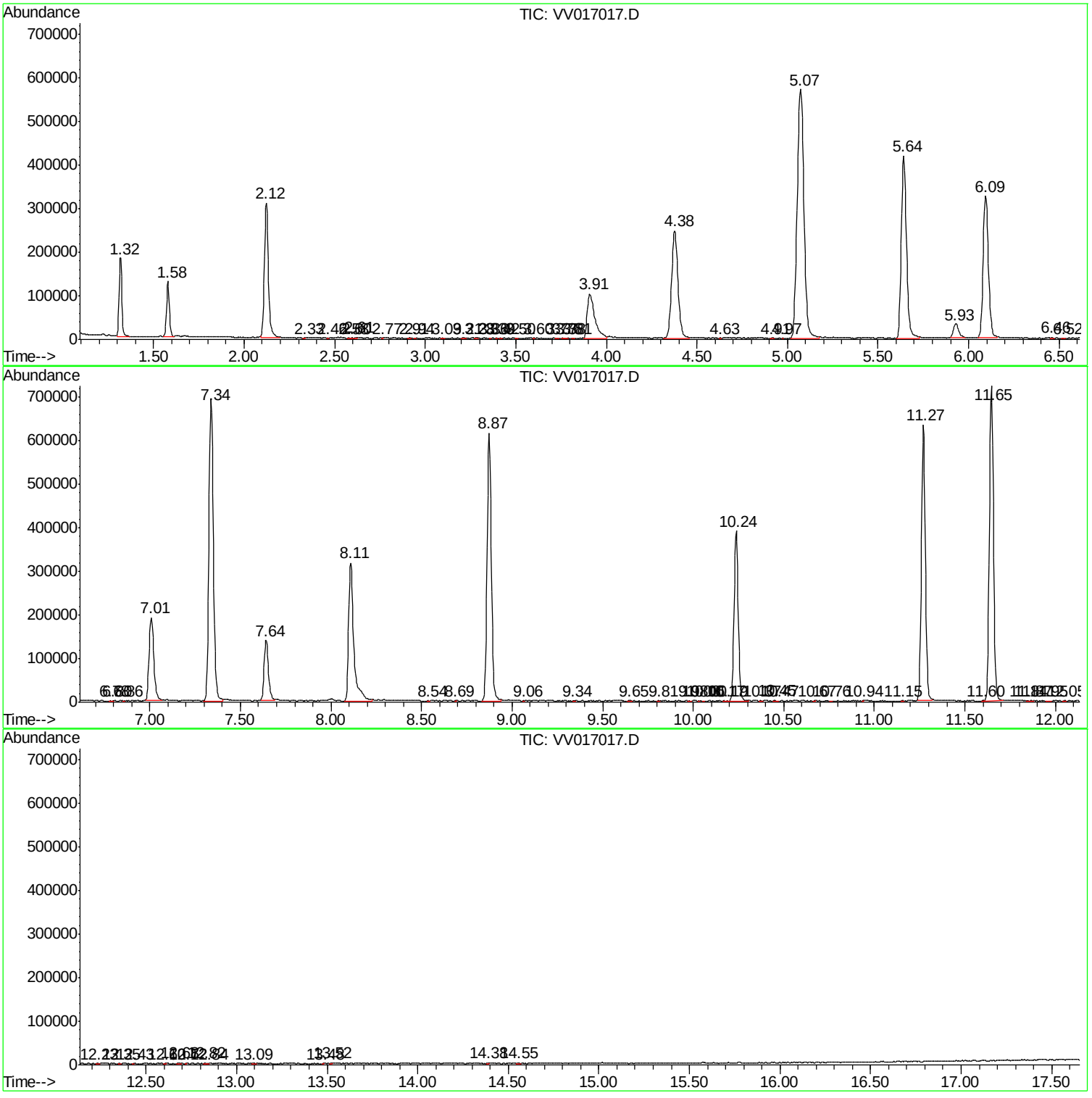
Operator : SY/MD
Sample : L3074-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

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\VV062220\
Data File : VV017017.D
Acq On : 22 Jun 2020 13:31
Operator : SY/MD
Sample : L3074-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

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

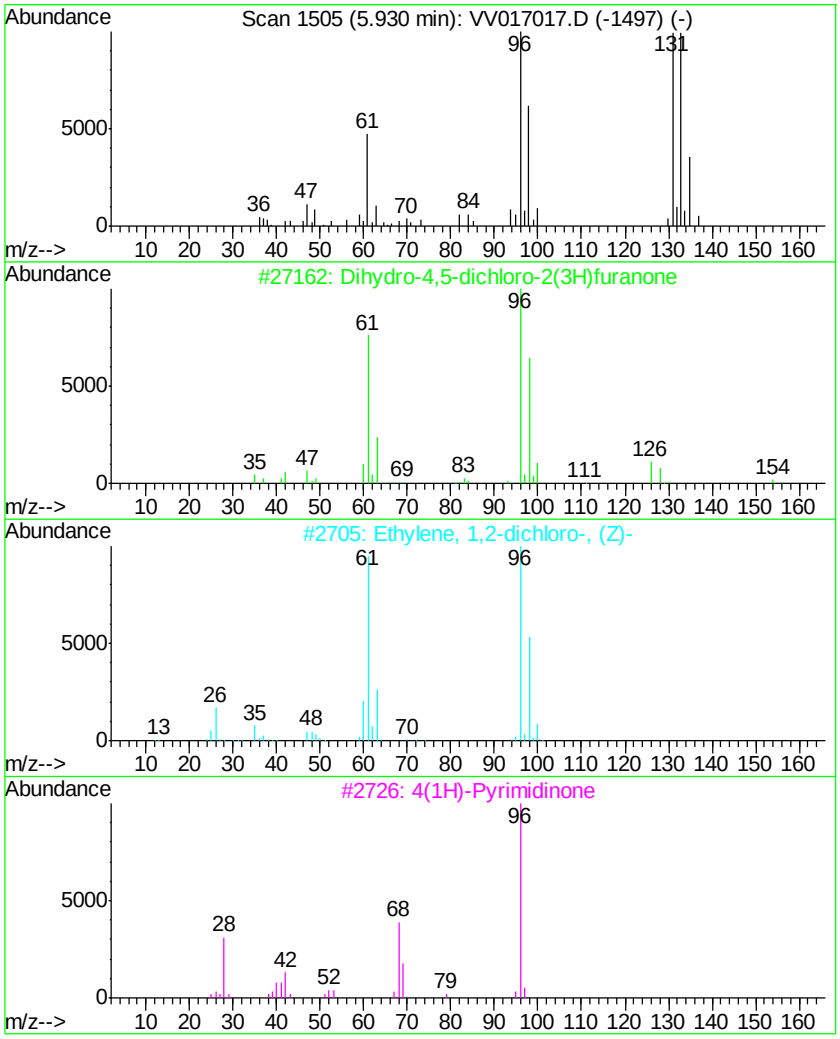
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

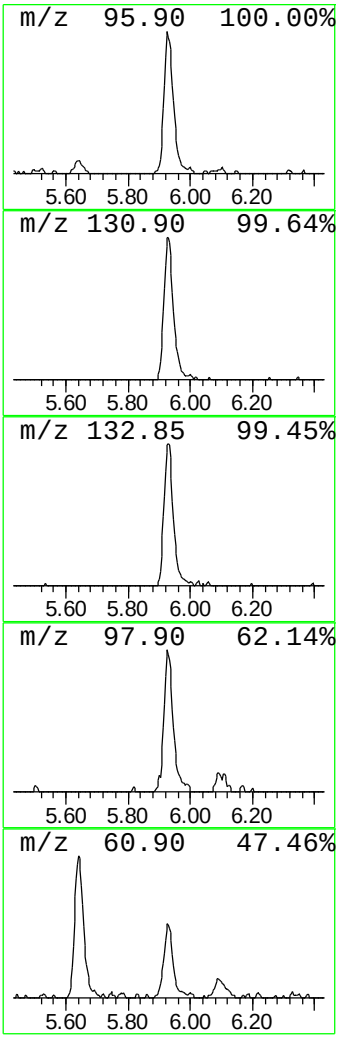
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 3.86 ug/L | 64772 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 16 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 16 |
| 3 | 4(1H)-Pyrimidinone | 96 | C4H4N2O | 004562-27-0 | 9 |
| 4 | 3(2H)-Pyridazinone | 96 | C4H4N2O | 000504-30-3 | 9 |
| 5 | 1H-Benzimidazol-2-amine | 133 | C7H7N3 | 000934-32-7 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062220\
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

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 |
| unknown-01 | 5.93 | 3.9 | ug/L | 64772 | 1 | 5.64 | 838386 | 50.0 |