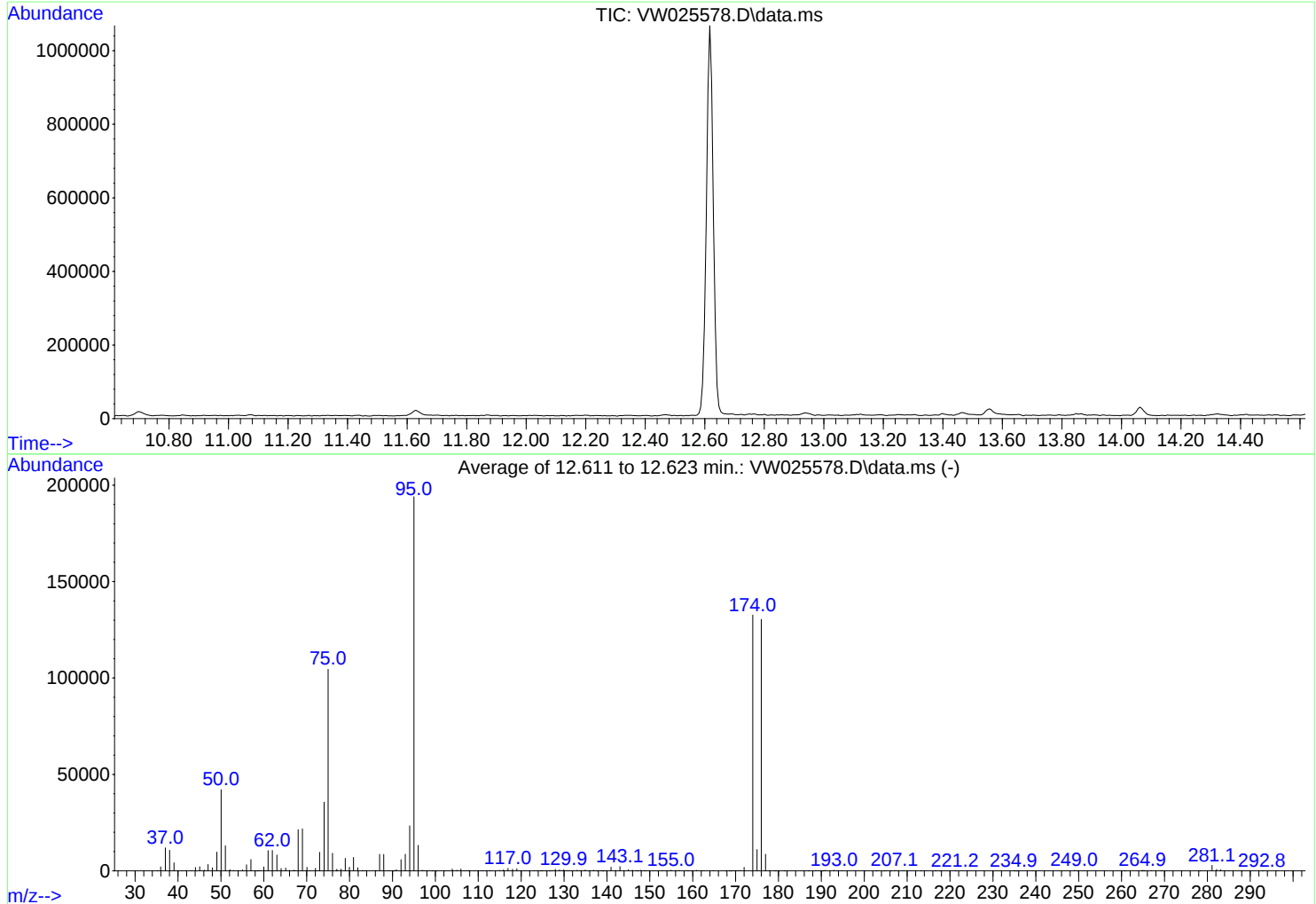


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW041923\  
Data File : VW025578.D  
Acq On : 19 Apr 2023 08:54  
Operator : SY/MD  
Sample : BFB500  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
Title : TRACE VOA SFAM1.0  
Last Update : Fri Apr 28 11:27:35 2023



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1748

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 21.7         | 42075      | PASS                |
| 75             | 95              | 30              | 80              | 53.9         | 104557     | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 194048     | PASS                |
| 96             | 95              | 5               | 9               | 6.8          | 13221      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 174            | 95              | 50              | 120             | 68.4         | 132632     | PASS                |
| 175            | 174             | 5               | 9               | 8.3          | 11070      | PASS                |
| 176            | 174             | 95              | 105             | 98.3         | 130432     | PASS                |
| 177            | 176             | 5               | 10              | 6.6          | 8594       | PASS                |

| m/z    | Abundance |
|--------|-----------|
| 35.90  | 135.0     |
| 36.80  | 67.0      |
| 37.80  | 188.0     |
| 38.30  | 121.0     |
| 39.10  | 128.0     |
| 40.00  | 691.0     |
| 41.50  | 181.0     |
| 43.00  | 236.0     |
| 43.80  | 479.0     |
| 46.20  | 57.0      |
| 46.60  | 104.0     |
| 47.00  | 78.0      |
| 49.10  | 76.0      |
| 50.40  | 142.0     |
| 51.10  | 185.0     |
| 51.70  | 102.0     |
| 52.80  | 88.0      |
| 54.80  | 154.0     |
| 55.20  | 92.0      |
| 55.80  | 160.0     |
| 56.90  | 234.0     |
| 58.50  | 55.0      |
| 59.40  | 110.0     |
| 60.00  | 107.0     |
| 60.60  | 101.0     |
| 61.00  | 80.0      |
| 61.70  | 71.0      |
| 63.10  | 109.0     |
| 65.10  | 62.0      |
| 66.40  | 73.0      |
| 66.90  | 77.0      |
| 69.20  | 51.0      |
| 69.80  | 62.0      |
| 70.30  | 114.0     |
| 71.20  | 105.0     |
| 72.40  | 176.0     |
| 73.30  | 72.0      |
| 75.50  | 85.0      |
| 79.10  | 121.0     |
| 80.10  | 94.0      |
| 85.10  | 68.0      |
| 87.10  | 63.0      |
| 88.10  | 57.0      |
| 88.70  | 53.0      |
| 89.90  | 88.0      |
| 90.80  | 74.0      |
| 93.00  | 60.0      |
| 93.70  | 78.0      |
| 94.20  | 52.0      |
| 98.70  | 99.0      |
| 111.20 | 87.0      |
| 112.10 | 96.0      |
| 114.60 | 72.0      |
| 116.30 | 59.0      |
| 117.00 | 112.0     |
| 122.10 | 51.0      |
| 130.20 | 54.0      |
| 145.60 | 53.0      |
| 148.10 | 50.0      |
| 149.50 | 57.0      |
| 150.10 | 57.0      |
| 151.30 | 71.0      |
| 159.40 | 63.0      |
| 163.10 | 55.0      |
| 165.70 | 58.0      |
| 166.10 | 75.0      |
| 168.90 | 64.0      |
| 183.80 | 60.0      |
| 206.70 | 67.0      |
| 221.90 | 69.0      |
| 223.40 | 54.0      |
| 245.60 | 60.0      |
| 265.30 | 52.0      |
| 268.30 | 60.0      |
| 293.90 | 75.0      |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 132.0     |
| 36.00  | 2200.0    |
| 37.00  | 11702.0   |
| 38.10  | 11239.0   |
| 39.00  | 4430.0    |
| 40.00  | 865.0     |
| 41.80  | 212.0     |
| 42.90  | 192.0     |
| 43.20  | 219.0     |
| 44.00  | 1764.0    |
| 45.10  | 2310.0    |
| 46.20  | 364.0     |
| 47.10  | 3146.0    |
| 47.90  | 1565.0    |
| 49.10  | 9788.0    |
| 50.00  | 41016.0   |
| 51.00  | 11677.0   |
| 52.10  | 573.0     |
| 53.00  | 343.0     |
| 54.10  | 130.0     |
| 55.00  | 612.0     |
| 56.00  | 3851.0    |
| 57.10  | 5985.0    |
| 58.20  | 293.0     |
| 59.00  | 193.0     |
| 60.00  | 2000.0    |
| 61.00  | 10200.0   |
| 62.00  | 10533.0   |
| 63.00  | 8297.0    |
| 64.10  | 1347.0    |
| 65.10  | 1766.0    |
| 66.00  | 294.0     |
| 67.00  | 798.0     |
| 68.00  | 20312.0   |
| 69.00  | 21072.0   |
| 70.10  | 1866.0    |
| 70.90  | 150.0     |
| 72.10  | 1262.0    |
| 73.00  | 9834.0    |
| 74.10  | 34032.0   |
| 75.00  | 100080.0  |
| 76.00  | 8656.0    |
| 76.90  | 1016.0    |
| 78.00  | 869.0     |
| 79.00  | 6359.0    |
| 79.90  | 1838.0    |
| 80.90  | 7193.0    |
| 81.90  | 1461.0    |
| 83.00  | 224.0     |
| 85.10  | 53.0      |
| 86.20  | 604.0     |
| 87.00  | 8577.0    |
| 88.00  | 7883.0    |
| 89.20  | 144.0     |
| 91.00  | 749.0     |
| 92.00  | 5258.0    |
| 93.00  | 8253.0    |
| 94.00  | 23136.0   |
| 95.00  | 180544.0  |
| 96.00  | 12577.0   |
| 97.00  | 519.0     |
| 102.10 | 89.0      |
| 102.90 | 222.0     |
| 103.90 | 786.0     |
| 105.00 | 382.0     |
| 105.90 | 1019.0    |
| 107.10 | 179.0     |
| 107.70 | 73.0      |
| 109.10 | 66.0      |
| 109.90 | 197.0     |
| 111.00 | 209.0     |
| 111.90 | 198.0     |
| 112.60 | 187.0     |
| 115.10 | 270.0     |
| 115.90 | 670.0     |
| 116.90 | 1454.0    |
| 118.00 | 734.0     |
| 119.00 | 1032.0    |
| 119.80 | 215.0     |
| 121.00 | 87.0      |
| 121.80 | 166.0     |
| 123.00 | 54.0      |
| 123.80 | 95.0      |
| 125.10 | 289.0     |
| 125.80 | 259.0     |
| 126.60 | 98.0      |
| 127.30 | 169.0     |
| 128.00 | 785.0     |
| 129.00 | 485.0     |
| 130.00 | 510.0     |
| 130.70 | 216.0     |
| 133.10 | 621.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

|        |          |
|--------|----------|
| 134.20 | 143.0    |
| 135.10 | 281.0    |
| 136.90 | 285.0    |
| 137.60 | 69.0     |
| 138.50 | 145.0    |
| 139.70 | 105.0    |
| 140.90 | 1517.0   |
| 142.00 | 184.0    |
| 143.00 | 2190.0   |
| 143.90 | 139.0    |
| 145.00 | 561.0    |
| 145.90 | 263.0    |
| 146.90 | 209.0    |
| 148.00 | 433.0    |
| 149.00 | 195.0    |
| 149.90 | 171.0    |
| 150.80 | 57.0     |
| 151.90 | 97.0     |
| 152.80 | 201.0    |
| 154.30 | 170.0    |
| 155.00 | 336.0    |
| 155.90 | 100.0    |
| 156.80 | 243.0    |
| 157.90 | 83.0     |
| 158.80 | 118.0    |
| 159.70 | 77.0     |
| 160.90 | 357.0    |
| 162.30 | 61.0     |
| 162.70 | 78.0     |
| 165.00 | 137.0    |
| 166.10 | 69.0     |
| 171.20 | 460.0    |
| 172.00 | 1969.0   |
| 174.00 | 112072.0 |
| 175.00 | 9592.0   |
| 176.00 | 112832.0 |
| 177.00 | 7416.0   |
| 178.00 | 274.0    |
| 179.10 | 181.0    |
| 188.70 | 76.0     |
| 189.80 | 97.0     |
| 191.00 | 501.0    |
| 192.00 | 63.0     |
| 193.00 | 600.0    |
| 193.80 | 155.0    |
| 194.90 | 110.0    |
| 200.10 | 56.0     |
| 203.20 | 90.0     |
| 205.10 | 161.0    |
| 207.10 | 485.0    |
| 207.90 | 91.0     |
| 209.20 | 62.0     |
| 221.20 | 53.0     |
| 234.90 | 73.0     |
| 239.20 | 77.0     |
| 249.00 | 432.0    |
| 250.00 | 123.0    |
| 251.10 | 149.0    |
| 264.90 | 487.0    |
| 266.20 | 163.0    |
| 267.00 | 114.0    |
| 281.10 | 4819.0   |
| 282.20 | 1006.0   |
| 283.20 | 1013.0   |
| 284.20 | 199.0    |
| 284.90 | 92.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 170.0     |
| 36.00  | 2535.0    |
| 37.10  | 13384.0   |
| 38.00  | 11953.0   |
| 39.10  | 4819.0    |
| 40.00  | 809.0     |
| 40.90  | 181.0     |
| 41.90  | 139.0     |
| 43.10  | 349.0     |
| 44.10  | 2134.0    |
| 45.00  | 2335.0    |
| 46.20  | 568.0     |
| 47.10  | 3827.0    |
| 48.00  | 1820.0    |
| 49.00  | 10406.0   |
| 50.10  | 47592.0   |
| 51.00  | 15889.0   |
| 52.10  | 771.0     |
| 53.00  | 345.0     |
| 53.90  | 174.0     |
| 55.10  | 715.0     |
| 56.00  | 3327.0    |
| 57.10  | 6514.0    |
| 57.90  | 259.0     |
| 58.60  | 252.0     |
| 59.10  | 188.0     |
| 60.00  | 2209.0    |
| 61.00  | 11839.0   |
| 62.00  | 12089.0   |
| 63.10  | 8733.0    |
| 64.00  | 1258.0    |
| 65.10  | 1675.0    |
| 66.00  | 402.0     |
| 67.20  | 698.0     |
| 68.00  | 24008.0   |
| 69.00  | 24752.0   |
| 70.00  | 2327.0    |
| 71.20  | 208.0     |
| 72.00  | 1625.0    |
| 73.00  | 10871.0   |
| 74.00  | 40344.0   |
| 75.00  | 116376.0  |
| 76.00  | 10234.0   |
| 77.10  | 1332.0    |
| 77.90  | 1225.0    |
| 79.00  | 7214.0    |
| 79.90  | 2054.0    |
| 80.90  | 7900.0    |
| 81.90  | 1909.0    |
| 82.80  | 165.0     |
| 83.20  | 205.0     |
| 83.70  | 182.0     |
| 86.10  | 340.0     |
| 87.00  | 9466.0    |
| 87.90  | 9980.0    |
| 90.20  | 100.0     |
| 90.90  | 862.0     |
| 92.00  | 6872.0    |
| 93.10  | 9490.0    |
| 94.00  | 26024.0   |
| 95.00  | 219712.0  |
| 96.00  | 14544.0   |
| 96.90  | 327.0     |
| 97.40  | 185.0     |
| 98.00  | 51.0      |
| 100.10 | 57.0      |
| 102.10 | 69.0      |
| 103.00 | 179.0     |
| 103.90 | 1109.0    |
| 105.00 | 496.0     |
| 106.00 | 956.0     |
| 107.10 | 293.0     |
| 108.10 | 142.0     |
| 109.20 | 76.0      |
| 110.00 | 249.0     |
| 110.90 | 313.0     |
| 111.90 | 288.0     |
| 112.90 | 328.0     |
| 115.10 | 295.0     |
| 116.10 | 919.0     |
| 117.00 | 1350.0    |
| 118.10 | 917.0     |
| 118.90 | 1278.0    |
| 120.00 | 77.0      |
| 121.00 | 60.0      |
| 121.90 | 158.0     |
| 123.10 | 154.0     |
| 123.80 | 131.0     |
| 125.00 | 234.0     |
| 126.00 | 140.0     |
| 127.00 | 129.0     |
| 128.00 | 843.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

|        |          |
|--------|----------|
| 129.00 | 462.0    |
| 129.90 | 615.0    |
| 130.80 | 336.0    |
| 131.80 | 91.0     |
| 133.00 | 344.0    |
| 133.80 | 126.0    |
| 134.10 | 126.0    |
| 134.90 | 619.0    |
| 136.90 | 472.0    |
| 138.90 | 114.0    |
| 139.70 | 257.0    |
| 140.90 | 2257.0   |
| 142.10 | 227.0    |
| 143.00 | 2771.0   |
| 144.00 | 197.0    |
| 145.00 | 740.0    |
| 146.00 | 405.0    |
| 146.90 | 194.0    |
| 147.90 | 424.0    |
| 148.90 | 196.0    |
| 149.90 | 224.0    |
| 150.90 | 103.0    |
| 151.80 | 225.0    |
| 152.90 | 205.0    |
| 153.80 | 181.0    |
| 154.90 | 469.0    |
| 156.10 | 189.0    |
| 156.90 | 355.0    |
| 158.00 | 129.0    |
| 158.50 | 177.0    |
| 159.10 | 317.0    |
| 159.80 | 88.0     |
| 160.90 | 342.0    |
| 162.30 | 74.0     |
| 162.60 | 86.0     |
| 163.00 | 68.0     |
| 164.70 | 140.0    |
| 166.20 | 62.0     |
| 169.00 | 121.0    |
| 170.00 | 200.0    |
| 170.60 | 323.0    |
| 172.00 | 2049.0   |
| 174.00 | 144640.0 |
| 175.00 | 11835.0  |
| 176.00 | 143872.0 |
| 177.00 | 10415.0  |
| 178.00 | 317.0    |
| 179.30 | 95.0     |
| 181.40 | 52.0     |
| 185.70 | 85.0     |
| 188.70 | 100.0    |
| 190.30 | 54.0     |
| 190.80 | 179.0    |
| 191.90 | 133.0    |
| 192.90 | 271.0    |
| 193.90 | 54.0     |
| 194.80 | 75.0     |
| 200.10 | 123.0    |
| 202.70 | 63.0     |
| 205.20 | 135.0    |
| 206.20 | 53.0     |
| 207.00 | 152.0    |
| 207.70 | 54.0     |
| 209.30 | 103.0    |
| 213.20 | 55.0     |
| 217.60 | 59.0     |
| 235.10 | 74.0     |
| 236.20 | 84.0     |
| 249.00 | 250.0    |
| 249.70 | 62.0     |
| 265.00 | 331.0    |
| 265.50 | 156.0    |
| 266.10 | 150.0    |
| 267.00 | 109.0    |
| 278.20 | 51.0     |
| 281.10 | 2584.0   |
| 282.10 | 740.0    |
| 283.00 | 482.0    |
| 284.20 | 61.0     |
| 285.00 | 52.0     |
| 287.90 | 56.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 153.0     |
| 36.00  | 1879.0    |
| 37.00  | 10621.0   |
| 38.10  | 8930.0    |
| 39.00  | 3742.0    |
| 40.00  | 874.0     |
| 41.30  | 228.0     |
| 41.90  | 133.0     |
| 42.80  | 186.0     |
| 44.00  | 1492.0    |
| 45.00  | 1742.0    |
| 46.00  | 307.0     |
| 47.00  | 3132.0    |
| 48.10  | 1291.0    |
| 49.00  | 9173.0    |
| 50.00  | 37616.0   |
| 51.10  | 12000.0   |
| 52.10  | 568.0     |
| 53.10  | 196.0     |
| 53.90  | 102.0     |
| 55.00  | 521.0     |
| 56.00  | 2902.0    |
| 57.00  | 5870.0    |
| 57.90  | 214.0     |
| 59.00  | 191.0     |
| 60.10  | 2273.0    |
| 61.00  | 9726.0    |
| 62.00  | 9119.0    |
| 63.00  | 8028.0    |
| 64.00  | 1113.0    |
| 65.10  | 1094.0    |
| 65.90  | 180.0     |
| 67.00  | 617.0     |
| 68.00  | 19704.0   |
| 69.00  | 19688.0   |
| 70.00  | 1601.0    |
| 70.70  | 205.0     |
| 72.00  | 1035.0    |
| 73.00  | 8248.0    |
| 74.00  | 32536.0   |
| 75.00  | 97216.0   |
| 76.00  | 8511.0    |
| 77.00  | 1190.0    |
| 78.10  | 646.0     |
| 79.00  | 6279.0    |
| 80.00  | 2188.0    |
| 80.90  | 5989.0    |
| 81.90  | 1477.0    |
| 83.00  | 293.0     |
| 87.00  | 7953.0    |
| 87.90  | 7993.0    |
| 90.90  | 697.0     |
| 92.00  | 5297.0    |
| 93.10  | 8335.0    |
| 94.00  | 21048.0   |
| 95.00  | 181888.0  |
| 96.00  | 12541.0   |
| 97.00  | 371.0     |
| 99.20  | 68.0      |
| 102.40 | 148.0     |
| 103.00 | 138.0     |
| 104.00 | 991.0     |
| 105.00 | 303.0     |
| 106.00 | 949.0     |
| 106.70 | 228.0     |
| 108.00 | 105.0     |
| 109.20 | 81.0      |
| 109.90 | 148.0     |
| 110.90 | 186.0     |
| 111.70 | 111.0     |
| 112.90 | 223.0     |
| 115.00 | 259.0     |
| 115.80 | 695.0     |
| 117.00 | 1448.0    |
| 117.90 | 711.0     |
| 119.10 | 999.0     |
| 119.90 | 132.0     |
| 120.80 | 101.0     |
| 122.20 | 68.0      |
| 122.90 | 158.0     |
| 123.70 | 209.0     |
| 124.50 | 107.0     |
| 125.10 | 172.0     |
| 125.60 | 117.0     |
| 126.10 | 89.0      |
| 126.80 | 87.0      |
| 127.90 | 774.0     |
| 128.80 | 270.0     |
| 129.00 | 270.0     |
| 130.00 | 705.0     |
| 131.10 | 269.0     |
| 131.70 | 58.0      |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500

|        |          |
|--------|----------|
| 133.00 | 255.0    |
| 135.00 | 399.0    |
| 135.80 | 89.0     |
| 136.90 | 374.0    |
| 138.50 | 60.0     |
| 139.10 | 95.0     |
| 139.80 | 133.0    |
| 141.00 | 2104.0   |
| 142.00 | 421.0    |
| 143.10 | 1706.0   |
| 143.90 | 289.0    |
| 145.00 | 521.0    |
| 146.00 | 344.0    |
| 147.10 | 87.0     |
| 147.90 | 390.0    |
| 148.70 | 157.0    |
| 149.10 | 199.0    |
| 149.90 | 245.0    |
| 151.10 | 103.0    |
| 151.90 | 111.0    |
| 153.00 | 247.0    |
| 153.70 | 127.0    |
| 154.70 | 329.0    |
| 155.10 | 307.0    |
| 156.10 | 136.0    |
| 157.00 | 316.0    |
| 158.00 | 131.0    |
| 158.90 | 379.0    |
| 160.80 | 140.0    |
| 162.20 | 66.0     |
| 162.70 | 65.0     |
| 163.00 | 66.0     |
| 164.80 | 66.0     |
| 167.70 | 77.0     |
| 168.50 | 58.0     |
| 169.10 | 142.0    |
| 169.70 | 128.0    |
| 170.30 | 124.0    |
| 171.00 | 290.0    |
| 172.00 | 1532.0   |
| 174.00 | 141184.0 |
| 175.00 | 11782.0  |
| 176.00 | 134592.0 |
| 177.00 | 7952.0   |
| 177.90 | 312.0    |
| 180.00 | 99.0     |
| 185.70 | 63.0     |
| 186.90 | 50.0     |
| 190.80 | 184.0    |
| 193.10 | 278.0    |
| 193.90 | 59.0     |
| 200.20 | 72.0     |
| 203.10 | 125.0    |
| 204.60 | 52.0     |
| 207.00 | 147.0    |
| 216.60 | 56.0     |
| 234.90 | 84.0     |
| 235.50 | 104.0    |
| 236.10 | 60.0     |
| 239.20 | 77.0     |
| 249.10 | 198.0    |
| 251.00 | 68.0     |
| 260.70 | 82.0     |
| 264.70 | 97.0     |
| 265.20 | 177.0    |
| 266.30 | 78.0     |
| 269.20 | 58.0     |
| 281.10 | 1117.0   |
| 282.10 | 521.0    |
| 282.90 | 201.0    |
| 283.30 | 263.0    |
| 292.80 | 67.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB500