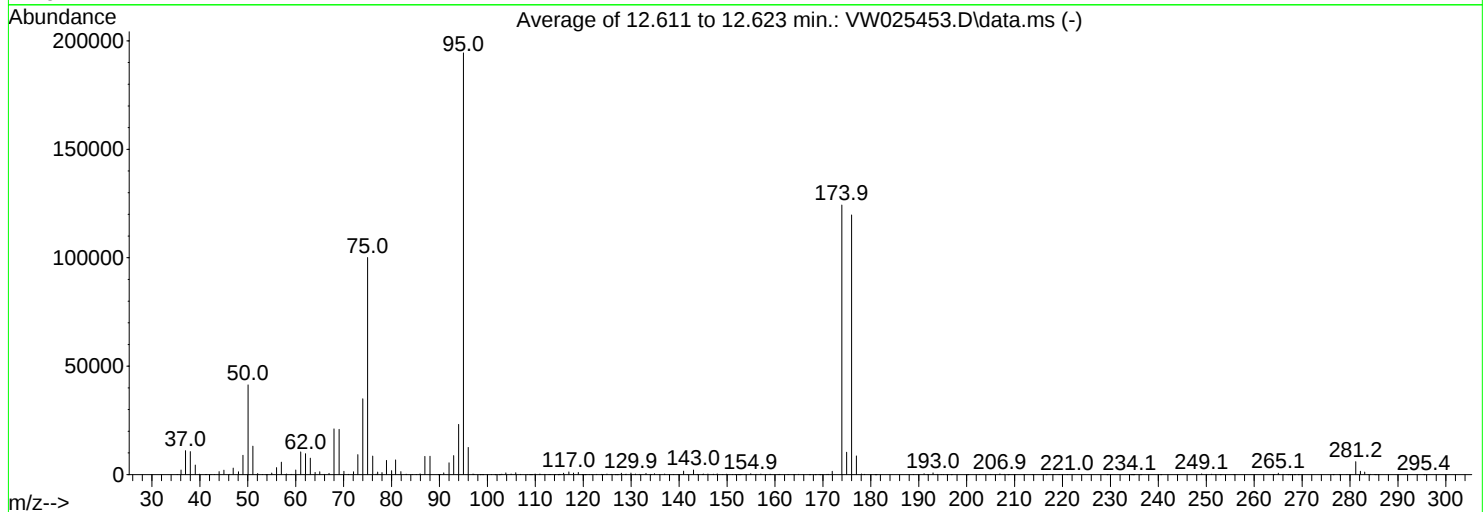
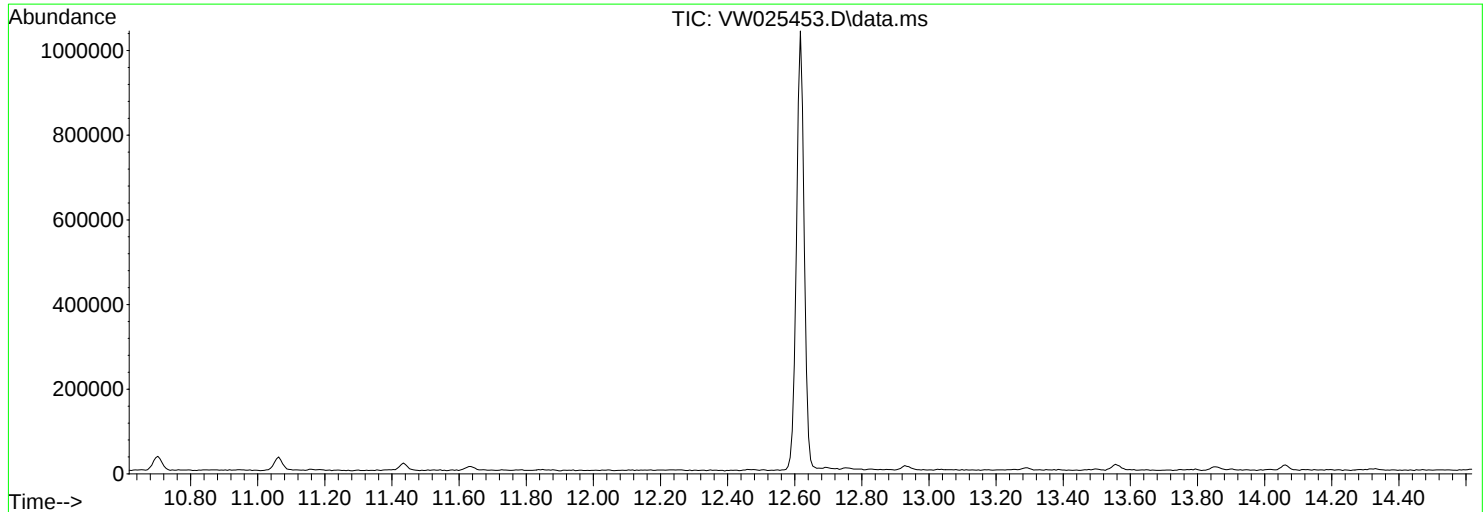


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032123\  
Data File : VW025453.D  
Acq On : 21 Mar 2023 08:10  
Operator : SY/MD  
Sample : BFB491  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
Title : SFAM01.0  
Last Update : Tue May 24 05:29:18 2022



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              | 21.3         | 41386      | PASS                |
| 75             | 95              | 30              | 80              | 51.5         | 100072     | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 194475     | PASS                |
| 96             | 95              | 5               | 9               | 6.5          | 12571      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 174            | 95              | 50              | 120             | 63.9         | 124275     | PASS                |
| 175            | 174             | 5               | 9               | 8.3          | 10330      | PASS                |
| 176            | 174             | 95              | 105             | 96.3         | 119736     | PASS                |
| 177            | 176             | 5               | 10              | 7.2          | 8617       | PASS                |

| m/z    | Abundance |
|--------|-----------|
| 35.50  | 73.0      |
| 36.20  | 236.0     |
| 37.00  | 120.0     |
| 37.40  | 164.0     |
| 38.30  | 111.0     |
| 39.30  | 88.0      |
| 39.90  | 644.0     |
| 41.00  | 145.0     |
| 42.20  | 106.0     |
| 43.00  | 155.0     |
| 43.90  | 507.0     |
| 46.20  | 178.0     |
| 47.50  | 111.0     |
| 48.10  | 126.0     |
| 49.00  | 84.0      |
| 49.70  | 98.0      |
| 50.20  | 126.0     |
| 51.30  | 75.0      |
| 51.70  | 62.0      |
| 53.10  | 143.0     |
| 54.50  | 105.0     |
| 55.70  | 60.0      |
| 56.40  | 80.0      |
| 57.10  | 124.0     |
| 57.90  | 60.0      |
| 58.50  | 92.0      |
| 59.40  | 53.0      |
| 59.90  | 75.0      |
| 61.10  | 83.0      |
| 62.10  | 92.0      |
| 63.10  | 107.0     |
| 63.50  | 102.0     |
| 65.00  | 81.0      |
| 66.40  | 80.0      |
| 67.50  | 61.0      |
| 68.60  | 154.0     |
| 69.80  | 102.0     |
| 70.30  | 65.0      |
| 71.20  | 115.0     |
| 72.90  | 116.0     |
| 74.40  | 129.0     |
| 75.50  | 79.0      |
| 76.70  | 60.0      |
| 77.10  | 69.0      |
| 77.90  | 63.0      |
| 79.60  | 98.0      |
| 80.70  | 79.0      |
| 81.50  | 78.0      |
| 82.80  | 100.0     |
| 84.70  | 92.0      |
| 89.40  | 59.0      |
| 91.20  | 54.0      |
| 92.50  | 57.0      |
| 92.80  | 55.0      |
| 93.40  | 101.0     |
| 94.50  | 60.0      |
| 95.90  | 64.0      |
| 98.20  | 133.0     |
| 101.10 | 63.0      |
| 102.50 | 83.0      |
| 103.30 | 77.0      |
| 104.80 | 60.0      |
| 105.90 | 55.0      |
| 106.90 | 78.0      |
| 107.20 | 73.0      |
| 112.40 | 76.0      |
| 113.70 | 103.0     |
| 114.70 | 65.0      |
| 115.60 | 65.0      |
| 116.30 | 90.0      |
| 121.50 | 62.0      |
| 122.50 | 76.0      |
| 138.20 | 54.0      |
| 139.30 | 55.0      |
| 142.20 | 96.0      |
| 143.30 | 62.0      |
| 145.50 | 52.0      |
| 148.00 | 54.0      |
| 148.50 | 85.0      |
| 150.70 | 67.0      |
| 153.30 | 57.0      |
| 169.50 | 64.0      |
| 174.80 | 80.0      |
| 183.90 | 79.0      |
| 187.40 | 52.0      |
| 206.80 | 95.0      |
| 207.30 | 102.0     |
| 212.40 | 64.0      |
| 255.10 | 70.0      |
| 264.60 | 80.0      |
| 267.10 | 61.0      |
| 291.00 | 83.0      |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 159.0     |
| 36.00  | 2506.0    |
| 37.10  | 11126.0   |
| 38.00  | 10693.0   |
| 39.10  | 4743.0    |
| 40.10  | 808.0     |
| 41.20  | 270.0     |
| 42.10  | 110.0     |
| 42.90  | 275.0     |
| 44.00  | 2033.0    |
| 45.00  | 2146.0    |
| 46.00  | 254.0     |
| 47.00  | 2604.0    |
| 48.00  | 1729.0    |
| 49.00  | 8910.0    |
| 50.10  | 40912.0   |
| 51.00  | 13022.0   |
| 52.10  | 454.0     |
| 53.00  | 178.0     |
| 53.80  | 88.0      |
| 54.90  | 820.0     |
| 56.00  | 3254.0    |
| 57.00  | 5269.0    |
| 57.80  | 312.0     |
| 58.20  | 340.0     |
| 59.00  | 195.0     |
| 60.00  | 2372.0    |
| 61.00  | 10581.0   |
| 62.00  | 9518.0    |
| 63.10  | 7741.0    |
| 64.00  | 1229.0    |
| 65.00  | 1637.0    |
| 65.90  | 217.0     |
| 67.10  | 642.0     |
| 68.00  | 19448.0   |
| 69.00  | 20792.0   |
| 70.10  | 1804.0    |
| 71.00  | 117.0     |
| 72.10  | 1483.0    |
| 73.00  | 8981.0    |
| 74.00  | 33272.0   |
| 75.00  | 96432.0   |
| 76.10  | 8070.0    |
| 76.80  | 936.0     |
| 77.30  | 969.0     |
| 78.00  | 927.0     |
| 79.00  | 6100.0    |
| 79.90  | 1746.0    |
| 80.90  | 6858.0    |
| 81.90  | 1368.0    |
| 83.10  | 205.0     |
| 86.10  | 531.0     |
| 87.00  | 8330.0    |
| 88.00  | 8387.0    |
| 90.20  | 125.0     |
| 91.00  | 869.0     |
| 92.00  | 5530.0    |
| 93.00  | 8889.0    |
| 94.00  | 22000.0   |
| 95.00  | 183232.0  |
| 96.00  | 11365.0   |
| 97.00  | 548.0     |
| 99.00  | 89.0      |
| 100.80 | 75.0      |
| 102.90 | 314.0     |
| 103.90 | 795.0     |
| 105.10 | 384.0     |
| 105.90 | 1239.0    |
| 106.90 | 240.0     |
| 108.30 | 84.0      |
| 108.80 | 54.0      |
| 110.00 | 308.0     |
| 111.00 | 323.0     |
| 112.00 | 200.0     |
| 112.80 | 171.0     |
| 114.80 | 224.0     |
| 115.90 | 723.0     |
| 117.00 | 1092.0    |
| 118.00 | 716.0     |
| 118.90 | 1055.0    |
| 119.80 | 62.0      |
| 120.30 | 69.0      |
| 120.80 | 97.0      |
| 121.30 | 56.0      |
| 121.90 | 59.0      |
| 122.90 | 153.0     |
| 123.90 | 237.0     |
| 125.00 | 379.0     |
| 125.90 | 151.0     |
| 128.00 | 500.0     |
| 128.80 | 364.0     |
| 129.90 | 593.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

|        |          |
|--------|----------|
| 130.90 | 241.0    |
| 131.70 | 134.0    |
| 133.10 | 866.0    |
| 134.00 | 327.0    |
| 134.90 | 483.0    |
| 137.10 | 233.0    |
| 138.00 | 57.0     |
| 138.90 | 117.0    |
| 139.80 | 151.0    |
| 140.90 | 1376.0   |
| 141.80 | 248.0    |
| 143.00 | 1781.0   |
| 143.80 | 185.0    |
| 144.90 | 525.0    |
| 146.00 | 250.0    |
| 147.10 | 341.0    |
| 148.00 | 371.0    |
| 149.10 | 133.0    |
| 149.80 | 157.0    |
| 152.40 | 95.0     |
| 153.10 | 102.0    |
| 153.70 | 105.0    |
| 154.20 | 79.0     |
| 155.00 | 356.0    |
| 156.00 | 90.0     |
| 157.10 | 254.0    |
| 158.20 | 62.0     |
| 158.90 | 129.0    |
| 160.70 | 194.0    |
| 162.70 | 199.0    |
| 164.20 | 73.0     |
| 165.00 | 223.0    |
| 168.40 | 57.0     |
| 169.20 | 172.0    |
| 169.90 | 112.0    |
| 170.80 | 319.0    |
| 171.90 | 1366.0   |
| 174.00 | 109640.0 |
| 175.00 | 8867.0   |
| 176.00 | 99976.0  |
| 177.00 | 7973.0   |
| 178.00 | 401.0    |
| 178.70 | 259.0    |
| 180.00 | 124.0    |
| 180.90 | 83.0     |
| 188.90 | 63.0     |
| 191.10 | 562.0    |
| 192.10 | 137.0    |
| 193.10 | 1152.0   |
| 193.90 | 291.0    |
| 194.70 | 68.0     |
| 195.20 | 86.0     |
| 195.90 | 73.0     |
| 196.80 | 61.0     |
| 200.20 | 75.0     |
| 202.80 | 89.0     |
| 205.10 | 271.0    |
| 206.90 | 531.0    |
| 207.80 | 210.0    |
| 208.60 | 85.0     |
| 213.80 | 53.0     |
| 216.60 | 66.0     |
| 219.30 | 71.0     |
| 221.00 | 141.0    |
| 234.00 | 77.0     |
| 234.70 | 98.0     |
| 249.10 | 508.0    |
| 250.00 | 211.0    |
| 251.10 | 265.0    |
| 252.00 | 86.0     |
| 252.90 | 105.0    |
| 264.00 | 55.0     |
| 265.10 | 853.0    |
| 266.00 | 170.0    |
| 266.70 | 181.0    |
| 267.30 | 131.0    |
| 267.90 | 98.0     |
| 268.40 | 78.0     |
| 277.80 | 50.0     |
| 279.30 | 136.0    |
| 281.20 | 10275.0  |
| 282.10 | 2326.0   |
| 283.10 | 1463.0   |
| 283.80 | 299.0    |
| 284.20 | 231.0    |
| 285.10 | 157.0    |
| 285.80 | 69.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 2578.0    |
| 37.00  | 12961.0   |
| 38.00  | 12213.0   |
| 39.10  | 4794.0    |
| 40.00  | 949.0     |
| 41.40  | 179.0     |
| 42.30  | 174.0     |
| 43.00  | 192.0     |
| 44.00  | 1815.0    |
| 45.00  | 2294.0    |
| 46.10  | 409.0     |
| 47.00  | 3532.0    |
| 48.10  | 1456.0    |
| 49.10  | 10234.0   |
| 50.00  | 45976.0   |
| 51.10  | 14892.0   |
| 52.00  | 703.0     |
| 53.10  | 263.0     |
| 54.10  | 161.0     |
| 55.00  | 795.0     |
| 56.00  | 3523.0    |
| 57.00  | 7183.0    |
| 58.00  | 334.0     |
| 59.10  | 127.0     |
| 60.00  | 2386.0    |
| 61.00  | 11850.0   |
| 62.10  | 11167.0   |
| 63.10  | 8861.0    |
| 64.10  | 1026.0    |
| 65.00  | 1546.0    |
| 66.00  | 177.0     |
| 66.90  | 535.0     |
| 68.00  | 24472.0   |
| 69.00  | 23184.0   |
| 70.00  | 1818.0    |
| 71.00  | 251.0     |
| 71.90  | 1099.0    |
| 73.00  | 10735.0   |
| 74.00  | 38920.0   |
| 75.00  | 114392.0  |
| 76.00  | 9755.0    |
| 77.10  | 1784.0    |
| 78.10  | 874.0     |
| 78.90  | 7564.0    |
| 80.00  | 2082.0    |
| 80.90  | 7621.0    |
| 82.00  | 1667.0    |
| 83.00  | 205.0     |
| 84.40  | 86.0      |
| 85.20  | 98.0      |
| 85.90  | 509.0     |
| 86.90  | 9545.0    |
| 88.00  | 9594.0    |
| 90.90  | 838.0     |
| 92.00  | 5753.0    |
| 93.00  | 8978.0    |
| 94.00  | 26352.0   |
| 95.00  | 219008.0  |
| 96.10  | 14875.0   |
| 97.00  | 382.0     |
| 100.90 | 67.0      |
| 101.30 | 70.0      |
| 101.60 | 72.0      |
| 102.50 | 191.0     |
| 103.00 | 175.0     |
| 103.80 | 849.0     |
| 104.90 | 390.0     |
| 105.90 | 871.0     |
| 106.90 | 312.0     |
| 108.30 | 117.0     |
| 109.90 | 316.0     |
| 110.90 | 279.0     |
| 112.00 | 171.0     |
| 112.90 | 150.0     |
| 114.00 | 52.0      |
| 115.00 | 384.0     |
| 115.90 | 782.0     |
| 117.00 | 1486.0    |
| 117.90 | 753.0     |
| 119.00 | 1113.0    |
| 120.00 | 193.0     |
| 120.80 | 82.0      |
| 121.20 | 84.0      |
| 122.70 | 112.0     |
| 123.70 | 169.0     |
| 124.20 | 162.0     |
| 124.90 | 409.0     |
| 125.80 | 164.0     |
| 126.70 | 68.0      |
| 128.00 | 744.0     |
| 129.00 | 419.0     |
| 130.00 | 914.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

|        |          |
|--------|----------|
| 130.90 | 342.0    |
| 131.80 | 125.0    |
| 133.10 | 629.0    |
| 134.20 | 158.0    |
| 134.80 | 417.0    |
| 135.90 | 134.0    |
| 136.90 | 302.0    |
| 137.90 | 79.0     |
| 138.90 | 127.0    |
| 139.40 | 69.0     |
| 141.00 | 1848.0   |
| 142.00 | 250.0    |
| 143.00 | 2570.0   |
| 143.90 | 189.0    |
| 144.10 | 195.0    |
| 145.10 | 534.0    |
| 146.00 | 436.0    |
| 147.20 | 212.0    |
| 148.00 | 535.0    |
| 148.60 | 163.0    |
| 149.90 | 272.0    |
| 151.20 | 79.0     |
| 152.10 | 181.0    |
| 153.10 | 194.0    |
| 154.00 | 238.0    |
| 154.90 | 532.0    |
| 156.00 | 196.0    |
| 157.10 | 375.0    |
| 158.00 | 87.0     |
| 159.00 | 325.0    |
| 161.00 | 278.0    |
| 162.90 | 139.0    |
| 164.10 | 112.0    |
| 164.90 | 108.0    |
| 165.90 | 65.0     |
| 168.40 | 54.0     |
| 169.40 | 134.0    |
| 169.90 | 180.0    |
| 170.90 | 252.0    |
| 172.00 | 1800.0   |
| 173.90 | 144832.0 |
| 175.00 | 12099.0  |
| 176.00 | 131392.0 |
| 177.00 | 9200.0   |
| 178.10 | 323.0    |
| 178.70 | 118.0    |
| 180.00 | 73.0     |
| 181.10 | 51.0     |
| 188.90 | 121.0    |
| 191.10 | 515.0    |
| 191.80 | 138.0    |
| 192.90 | 731.0    |
| 194.00 | 78.0     |
| 195.10 | 82.0     |
| 202.70 | 53.0     |
| 204.90 | 103.0    |
| 207.00 | 594.0    |
| 207.90 | 94.0     |
| 208.90 | 152.0    |
| 209.90 | 51.0     |
| 218.10 | 86.0     |
| 219.30 | 77.0     |
| 221.00 | 123.0    |
| 234.10 | 98.0     |
| 234.90 | 100.0    |
| 249.00 | 448.0    |
| 250.10 | 215.0    |
| 251.20 | 214.0    |
| 265.00 | 687.0    |
| 266.00 | 281.0    |
| 266.90 | 143.0    |
| 267.50 | 67.0     |
| 268.00 | 108.0    |
| 269.20 | 60.0     |
| 276.50 | 93.0     |
| 280.00 | 169.0    |
| 281.20 | 4437.0   |
| 282.20 | 1562.0   |
| 282.90 | 663.0    |
| 283.20 | 693.0    |
| 284.20 | 183.0    |
| 285.00 | 95.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

| m/z    | Abundance |
|--------|-----------|
| 35.30  | 168.0     |
| 36.10  | 2002.0    |
| 37.00  | 9562.0    |
| 38.00  | 8919.0    |
| 39.00  | 3655.0    |
| 39.90  | 813.0     |
| 40.90  | 225.0     |
| 42.10  | 108.0     |
| 43.10  | 183.0     |
| 44.10  | 1877.0    |
| 45.00  | 1819.0    |
| 46.00  | 256.0     |
| 46.90  | 2988.0    |
| 48.00  | 1123.0    |
| 49.00  | 7910.0    |
| 50.00  | 37648.0   |
| 51.10  | 11571.0   |
| 52.00  | 502.0     |
| 53.00  | 211.0     |
| 55.10  | 535.0     |
| 56.00  | 3055.0    |
| 57.00  | 5318.0    |
| 58.00  | 221.0     |
| 59.00  | 196.0     |
| 60.10  | 1902.0    |
| 61.10  | 9288.0    |
| 62.10  | 8584.0    |
| 63.00  | 6477.0    |
| 64.00  | 850.0     |
| 65.00  | 1014.0    |
| 66.90  | 593.0     |
| 68.00  | 19376.0   |
| 69.10  | 18776.0   |
| 70.10  | 1333.0    |
| 71.20  | 149.0     |
| 72.10  | 1386.0    |
| 73.00  | 8358.0    |
| 74.00  | 32704.0   |
| 75.00  | 89392.0   |
| 76.10  | 7815.0    |
| 77.00  | 1068.0    |
| 78.00  | 1191.0    |
| 79.00  | 6028.0    |
| 80.10  | 1681.0    |
| 80.90  | 6245.0    |
| 82.00  | 1253.0    |
| 83.00  | 369.0     |
| 84.20  | 97.0      |
| 85.10  | 125.0     |
| 85.80  | 192.0     |
| 87.00  | 7429.0    |
| 88.00  | 7443.0    |
| 89.30  | 70.0      |
| 89.80  | 88.0      |
| 90.80  | 793.0     |
| 92.00  | 5128.0    |
| 93.00  | 8588.0    |
| 94.00  | 21080.0   |
| 95.00  | 181184.0  |
| 96.10  | 11666.0   |
| 97.20  | 374.0     |
| 98.50  | 66.0      |
| 102.60 | 144.0     |
| 103.10 | 225.0     |
| 103.90 | 813.0     |
| 105.00 | 267.0     |
| 105.90 | 777.0     |
| 107.00 | 217.0     |
| 109.20 | 95.0      |
| 110.00 | 177.0     |
| 110.90 | 217.0     |
| 112.00 | 195.0     |
| 112.60 | 121.0     |
| 113.10 | 164.0     |
| 115.20 | 161.0     |
| 115.90 | 585.0     |
| 117.00 | 1217.0    |
| 118.00 | 744.0     |
| 118.90 | 899.0     |
| 119.90 | 112.0     |
| 120.70 | 105.0     |
| 121.70 | 71.0      |
| 122.80 | 160.0     |
| 123.90 | 141.0     |
| 125.00 | 188.0     |
| 125.70 | 146.0     |
| 127.10 | 59.0      |
| 127.90 | 674.0     |
| 128.90 | 340.0     |
| 129.90 | 717.0     |
| 130.90 | 243.0     |
| 131.90 | 115.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491

|        |          |
|--------|----------|
| 133.20 | 313.0    |
| 133.80 | 97.0     |
| 134.90 | 362.0    |
| 137.00 | 323.0    |
| 137.90 | 57.0     |
| 138.80 | 98.0     |
| 140.10 | 269.0    |
| 141.00 | 1597.0   |
| 143.00 | 1991.0   |
| 143.90 | 142.0    |
| 145.10 | 355.0    |
| 145.90 | 168.0    |
| 147.10 | 212.0    |
| 147.90 | 419.0    |
| 149.10 | 144.0    |
| 150.00 | 158.0    |
| 151.10 | 97.0     |
| 151.80 | 119.0    |
| 152.70 | 91.0     |
| 153.30 | 79.0     |
| 153.80 | 104.0    |
| 154.90 | 414.0    |
| 156.10 | 134.0    |
| 157.00 | 270.0    |
| 158.20 | 101.0    |
| 159.10 | 320.0    |
| 160.50 | 108.0    |
| 161.00 | 228.0    |
| 163.90 | 72.0     |
| 165.00 | 86.0     |
| 165.90 | 60.0     |
| 167.20 | 96.0     |
| 169.40 | 100.0    |
| 171.10 | 372.0    |
| 171.90 | 1452.0   |
| 174.00 | 118352.0 |
| 175.00 | 10263.0  |
| 176.00 | 127840.0 |
| 177.00 | 8678.0   |
| 178.00 | 161.0    |
| 178.80 | 114.0    |
| 188.80 | 53.0     |
| 191.10 | 296.0    |
| 192.80 | 282.0    |
| 193.10 | 284.0    |
| 194.00 | 76.0     |
| 194.70 | 59.0     |
| 205.10 | 50.0     |
| 207.10 | 328.0    |
| 207.80 | 105.0    |
| 211.90 | 82.0     |
| 218.00 | 90.0     |
| 229.30 | 66.0     |
| 234.40 | 67.0     |
| 236.30 | 89.0     |
| 240.50 | 56.0     |
| 249.10 | 244.0    |
| 250.00 | 68.0     |
| 251.00 | 126.0    |
| 251.80 | 106.0    |
| 255.80 | 57.0     |
| 265.00 | 453.0    |
| 266.20 | 123.0    |
| 267.00 | 97.0     |
| 279.40 | 63.0     |
| 281.20 | 3207.0   |
| 282.20 | 862.0    |
| 282.90 | 663.0    |
| 284.10 | 105.0    |
| 285.30 | 72.0     |
| 295.40 | 69.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB491