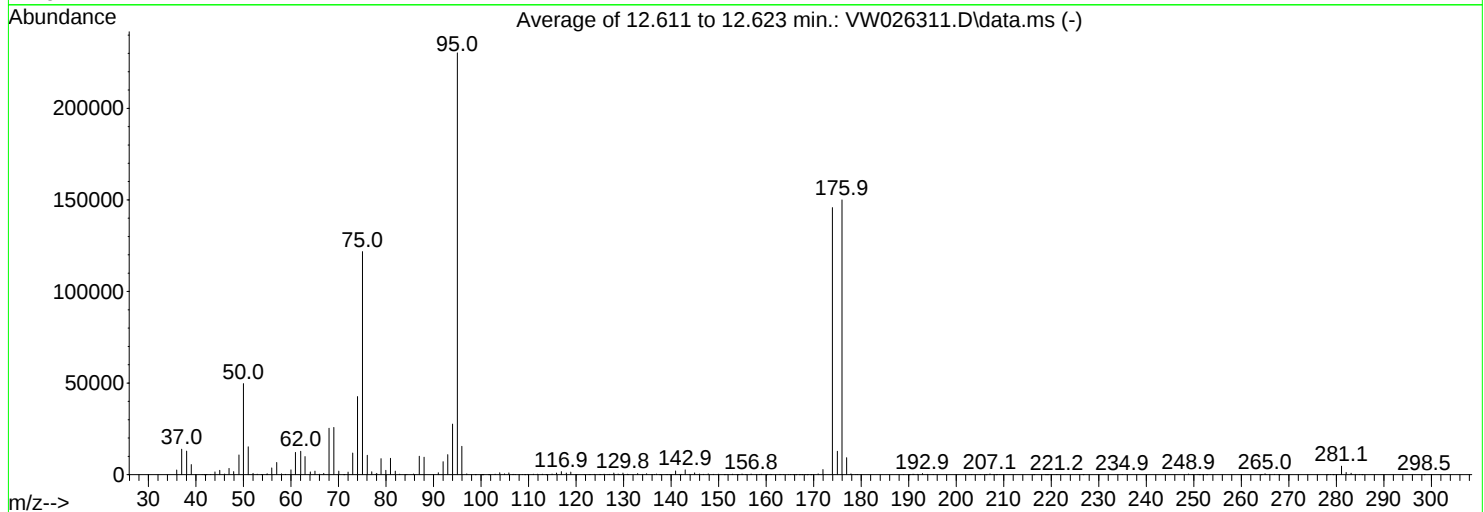
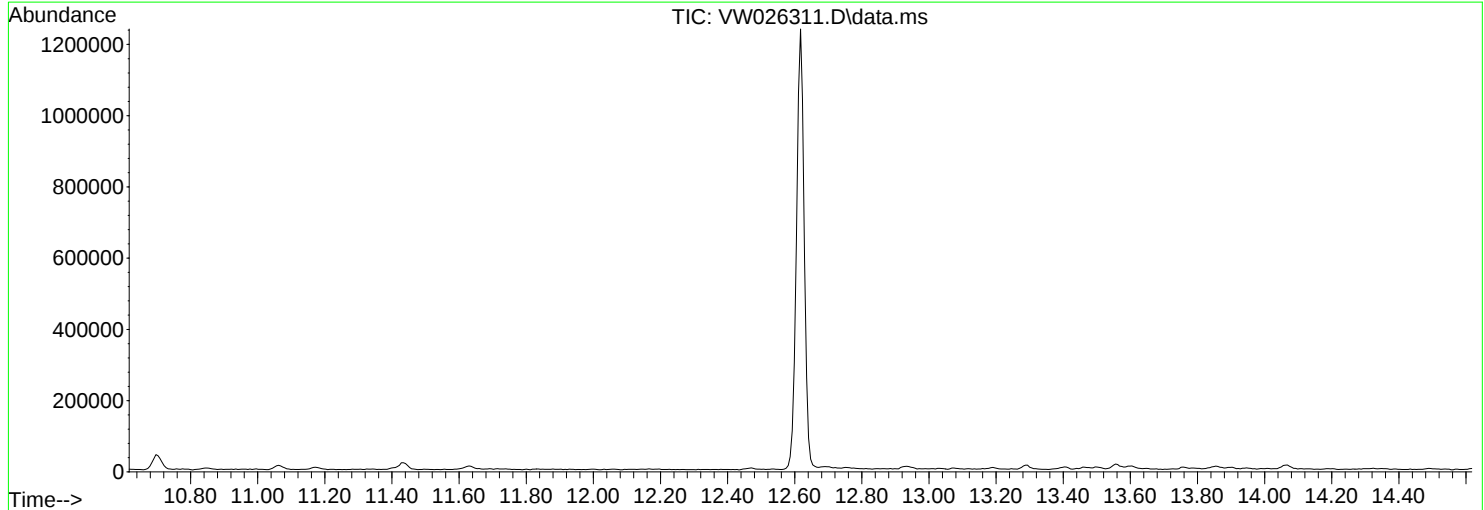


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062323\  
Data File : VW026311.D  
Acq On : 23 Jun 2023 09:23  
Operator : SY/MD  
Sample : BFB539  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

Integration File: rteint.p

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR01223WMA.M  
Title : TRACE VOA SFAM1.0  
Last Update : Thu Jan 12 18:58:37 2023



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

| 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              | 21.6         | 49757      | PASS                |
| 75             | 95              | 30              | 80              | 52.9         | 121757     | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 230293     | PASS                |
| 96             | 95              | 5               | 9               | 6.7          | 15468      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 174            | 95              | 50              | 120             | 63.3         | 145807     | PASS                |
| 175            | 174             | 5               | 9               | 8.7          | 12724      | PASS                |
| 176            | 174             | 95              | 105             | 102.9        | 150019     | PASS                |
| 177            | 176             | 5               | 10              | 6.2          | 9241       | PASS                |

| m/z    | Abundance |
|--------|-----------|
| 35.80  | 147.0     |
| 36.60  | 137.0     |
| 37.30  | 170.0     |
| 38.20  | 154.0     |
| 39.00  | 119.0     |
| 39.90  | 700.0     |
| 41.00  | 246.0     |
| 42.00  | 101.0     |
| 42.90  | 240.0     |
| 44.00  | 520.0     |
| 44.90  | 72.0      |
| 45.40  | 53.0      |
| 46.20  | 71.0      |
| 46.80  | 56.0      |
| 47.60  | 76.0      |
| 48.10  | 59.0      |
| 49.20  | 53.0      |
| 51.00  | 67.0      |
| 51.40  | 94.0      |
| 52.80  | 125.0     |
| 53.20  | 103.0     |
| 55.00  | 58.0      |
| 55.90  | 99.0      |
| 57.00  | 184.0     |
| 59.90  | 54.0      |
| 60.80  | 144.0     |
| 61.70  | 94.0      |
| 62.80  | 83.0      |
| 64.30  | 64.0      |
| 65.30  | 62.0      |
| 66.80  | 63.0      |
| 67.20  | 81.0      |
| 67.80  | 63.0      |
| 68.80  | 70.0      |
| 69.40  | 90.0      |
| 71.10  | 81.0      |
| 71.50  | 75.0      |
| 73.10  | 92.0      |
| 74.50  | 77.0      |
| 77.40  | 91.0      |
| 78.10  | 60.0      |
| 82.30  | 156.0     |
| 84.90  | 77.0      |
| 85.80  | 81.0      |
| 87.10  | 59.0      |
| 89.50  | 55.0      |
| 90.00  | 69.0      |
| 90.60  | 55.0      |
| 95.80  | 54.0      |
| 96.90  | 60.0      |
| 99.70  | 88.0      |
| 105.80 | 55.0      |
| 108.20 | 54.0      |
| 109.60 | 75.0      |
| 110.10 | 58.0      |
| 111.20 | 74.0      |
| 114.10 | 54.0      |
| 117.10 | 51.0      |
| 128.20 | 61.0      |
| 132.10 | 69.0      |
| 149.50 | 67.0      |
| 170.20 | 78.0      |
| 174.00 | 70.0      |
| 185.10 | 52.0      |
| 186.40 | 50.0      |
| 204.70 | 56.0      |
| 207.40 | 50.0      |
| 227.80 | 91.0      |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 2647.0    |
| 37.00  | 14325.0   |
| 38.00  | 13569.0   |
| 39.10  | 5929.0    |
| 40.10  | 672.0     |
| 41.30  | 160.0     |
| 42.10  | 197.0     |
| 42.90  | 291.0     |
| 44.00  | 2026.0    |
| 45.00  | 2388.0    |
| 46.10  | 393.0     |
| 47.00  | 3493.0    |
| 47.90  | 1627.0    |
| 49.00  | 10827.0   |
| 50.00  | 49024.0   |
| 51.00  | 15687.0   |
| 52.00  | 790.0     |
| 53.00  | 392.0     |
| 54.10  | 175.0     |
| 54.90  | 852.0     |
| 56.10  | 3343.0    |
| 57.10  | 6837.0    |
| 58.10  | 399.0     |
| 58.90  | 319.0     |
| 60.10  | 2372.0    |
| 61.00  | 12492.0   |
| 62.00  | 13004.0   |
| 63.00  | 10377.0   |
| 64.00  | 1888.0    |
| 65.10  | 2259.0    |
| 66.10  | 377.0     |
| 66.90  | 556.0     |
| 68.00  | 25752.0   |
| 69.00  | 25960.0   |
| 70.10  | 1986.0    |
| 71.20  | 149.0     |
| 72.00  | 1260.0    |
| 73.00  | 11323.0   |
| 74.00  | 41808.0   |
| 75.00  | 120336.0  |
| 76.00  | 10441.0   |
| 77.10  | 1545.0    |
| 77.80  | 670.0     |
| 78.90  | 9492.0    |
| 80.00  | 2126.0    |
| 80.90  | 8247.0    |
| 82.00  | 1964.0    |
| 83.00  | 202.0     |
| 84.40  | 88.0      |
| 85.00  | 108.0     |
| 86.00  | 502.0     |
| 87.00  | 9941.0    |
| 88.00  | 8526.0    |
| 89.80  | 68.0      |
| 91.00  | 981.0     |
| 92.00  | 7140.0    |
| 93.00  | 10703.0   |
| 94.00  | 26336.0   |
| 95.00  | 220288.0  |
| 96.00  | 15127.0   |
| 97.00  | 507.0     |
| 100.20 | 52.0      |
| 102.90 | 415.0     |
| 103.90 | 938.0     |
| 105.00 | 489.0     |
| 105.90 | 1103.0    |
| 106.70 | 201.0     |
| 107.20 | 221.0     |
| 108.00 | 240.0     |
| 108.70 | 79.0      |
| 109.80 | 320.0     |
| 111.00 | 465.0     |
| 111.90 | 249.0     |
| 113.00 | 195.0     |
| 114.90 | 375.0     |
| 115.90 | 962.0     |
| 116.90 | 1903.0    |
| 118.00 | 737.0     |
| 119.00 | 1593.0    |
| 120.00 | 161.0     |
| 121.70 | 119.0     |
| 122.70 | 104.0     |
| 123.00 | 98.0      |
| 123.80 | 175.0     |
| 125.00 | 440.0     |
| 125.90 | 258.0     |
| 127.10 | 185.0     |
| 127.90 | 813.0     |
| 128.80 | 307.0     |
| 129.10 | 336.0     |
| 130.00 | 646.0     |
| 130.80 | 317.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

|        |          |
|--------|----------|
| 132.90 | 924.0    |
| 134.00 | 276.0    |
| 134.80 | 385.0    |
| 136.10 | 107.0    |
| 136.90 | 402.0    |
| 137.60 | 65.0     |
| 138.90 | 151.0    |
| 139.80 | 115.0    |
| 141.00 | 1960.0   |
| 142.10 | 429.0    |
| 142.90 | 2683.0   |
| 143.90 | 230.0    |
| 144.90 | 1320.0   |
| 145.90 | 318.0    |
| 146.80 | 233.0    |
| 147.70 | 398.0    |
| 148.90 | 127.0    |
| 150.00 | 230.0    |
| 151.80 | 57.0     |
| 153.00 | 254.0    |
| 153.90 | 91.0     |
| 154.90 | 402.0    |
| 155.70 | 124.0    |
| 157.00 | 270.0    |
| 158.00 | 67.0     |
| 159.00 | 150.0    |
| 160.10 | 69.0     |
| 161.10 | 346.0    |
| 163.00 | 206.0    |
| 164.70 | 143.0    |
| 165.20 | 102.0    |
| 165.80 | 80.0     |
| 167.50 | 64.0     |
| 168.60 | 123.0    |
| 169.90 | 135.0    |
| 171.00 | 554.0    |
| 172.00 | 2853.0   |
| 173.90 | 133824.0 |
| 175.00 | 10999.0  |
| 175.90 | 117064.0 |
| 176.90 | 8315.0   |
| 177.80 | 416.0    |
| 178.90 | 306.0    |
| 189.00 | 81.0     |
| 190.90 | 698.0    |
| 191.90 | 279.0    |
| 193.00 | 719.0    |
| 194.00 | 197.0    |
| 195.10 | 124.0    |
| 202.90 | 152.0    |
| 203.20 | 167.0    |
| 205.10 | 253.0    |
| 206.00 | 82.0     |
| 207.10 | 710.0    |
| 207.90 | 232.0    |
| 208.70 | 104.0    |
| 209.10 | 81.0     |
| 218.80 | 64.0     |
| 219.20 | 59.0     |
| 221.20 | 116.0    |
| 234.90 | 124.0    |
| 249.00 | 547.0    |
| 249.80 | 212.0    |
| 250.90 | 266.0    |
| 251.90 | 100.0    |
| 252.70 | 67.0     |
| 264.20 | 67.0     |
| 265.00 | 1066.0   |
| 266.00 | 280.0    |
| 267.00 | 298.0    |
| 268.30 | 83.0     |
| 278.10 | 52.0     |
| 278.80 | 140.0    |
| 281.10 | 6677.0   |
| 282.00 | 1741.0   |
| 283.10 | 1175.0   |
| 284.20 | 195.0    |
| 284.80 | 152.0    |
| 285.40 | 64.0     |
| 298.50 | 106.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 3173.0    |
| 37.00  | 15073.0   |
| 38.00  | 14730.0   |
| 39.00  | 6644.0    |
| 39.90  | 987.0     |
| 41.00  | 338.0     |
| 41.70  | 126.0     |
| 42.30  | 164.0     |
| 42.90  | 210.0     |
| 44.00  | 2565.0    |
| 45.00  | 2787.0    |
| 46.10  | 439.0     |
| 47.00  | 4043.0    |
| 48.00  | 1759.0    |
| 49.00  | 12110.0   |
| 50.00  | 57592.0   |
| 51.10  | 16816.0   |
| 52.00  | 879.0     |
| 52.90  | 416.0     |
| 54.00  | 135.0     |
| 55.10  | 797.0     |
| 55.90  | 4266.0    |
| 57.00  | 7808.0    |
| 57.90  | 501.0     |
| 60.00  | 3157.0    |
| 61.00  | 14187.0   |
| 62.00  | 14124.0   |
| 63.00  | 11270.0   |
| 64.10  | 1467.0    |
| 65.00  | 2247.0    |
| 65.90  | 278.0     |
| 67.00  | 869.0     |
| 68.00  | 28240.0   |
| 69.00  | 28080.0   |
| 70.00  | 2257.0    |
| 71.10  | 173.0     |
| 72.00  | 1415.0    |
| 73.00  | 13750.0   |
| 74.00  | 48264.0   |
| 75.00  | 135232.0  |
| 76.10  | 11666.0   |
| 76.90  | 1824.0    |
| 78.00  | 1248.0    |
| 79.00  | 9205.0    |
| 79.90  | 2687.0    |
| 81.00  | 10243.0   |
| 81.90  | 2023.0    |
| 82.90  | 286.0     |
| 84.40  | 72.0      |
| 85.80  | 508.0     |
| 87.00  | 11191.0   |
| 88.00  | 11375.0   |
| 91.00  | 1119.0    |
| 92.00  | 7839.0    |
| 93.00  | 12429.0   |
| 94.00  | 31440.0   |
| 95.00  | 259456.0  |
| 96.00  | 18104.0   |
| 97.10  | 425.0     |
| 100.40 | 56.0      |
| 101.60 | 54.0      |
| 103.00 | 269.0     |
| 104.00 | 1194.0    |
| 104.90 | 495.0     |
| 105.90 | 1021.0    |
| 106.90 | 300.0     |
| 108.10 | 112.0     |
| 108.70 | 75.0      |
| 109.90 | 173.0     |
| 111.10 | 288.0     |
| 111.90 | 272.0     |
| 112.80 | 331.0     |
| 115.00 | 382.0     |
| 115.90 | 912.0     |
| 116.90 | 1717.0    |
| 117.90 | 1001.0    |
| 118.90 | 1483.0    |
| 120.20 | 128.0     |
| 121.70 | 81.0      |
| 122.80 | 117.0     |
| 123.80 | 218.0     |
| 125.20 | 194.0     |
| 125.80 | 273.0     |
| 126.70 | 155.0     |
| 127.00 | 147.0     |
| 128.00 | 1050.0    |
| 128.90 | 422.0     |
| 129.80 | 1045.0    |
| 131.00 | 294.0     |
| 132.00 | 56.0      |
| 133.00 | 567.0     |
| 134.10 | 213.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

|        |          |
|--------|----------|
| 134.80 | 613.0    |
| 136.50 | 192.0    |
| 137.00 | 328.0    |
| 139.20 | 145.0    |
| 139.70 | 131.0    |
| 140.80 | 2081.0   |
| 141.80 | 293.0    |
| 142.90 | 3069.0   |
| 143.80 | 140.0    |
| 145.00 | 974.0    |
| 146.00 | 413.0    |
| 146.80 | 227.0    |
| 147.80 | 529.0    |
| 149.00 | 236.0    |
| 149.90 | 236.0    |
| 151.80 | 64.0     |
| 152.80 | 198.0    |
| 154.10 | 122.0    |
| 154.90 | 588.0    |
| 155.90 | 162.0    |
| 156.80 | 404.0    |
| 157.90 | 175.0    |
| 158.60 | 241.0    |
| 159.00 | 287.0    |
| 160.80 | 237.0    |
| 162.80 | 205.0    |
| 163.70 | 79.0     |
| 164.70 | 77.0     |
| 165.10 | 90.0     |
| 166.20 | 62.0     |
| 168.20 | 143.0    |
| 168.90 | 108.0    |
| 171.00 | 525.0    |
| 171.90 | 2829.0   |
| 174.00 | 157312.0 |
| 175.00 | 13864.0  |
| 176.00 | 165056.0 |
| 177.00 | 10710.0  |
| 177.90 | 393.0    |
| 179.20 | 111.0    |
| 188.90 | 83.0     |
| 190.10 | 50.0     |
| 191.10 | 376.0    |
| 191.70 | 158.0    |
| 192.80 | 738.0    |
| 193.90 | 127.0    |
| 195.20 | 103.0    |
| 202.80 | 118.0    |
| 203.30 | 93.0     |
| 205.00 | 114.0    |
| 206.10 | 62.0     |
| 207.10 | 374.0    |
| 208.00 | 87.0     |
| 208.70 | 66.0     |
| 209.20 | 109.0    |
| 216.30 | 60.0     |
| 221.20 | 92.0     |
| 235.00 | 219.0    |
| 248.80 | 402.0    |
| 249.80 | 85.0     |
| 250.90 | 148.0    |
| 265.00 | 505.0    |
| 266.10 | 160.0    |
| 266.90 | 187.0    |
| 267.90 | 55.0     |
| 268.20 | 65.0     |
| 278.70 | 73.0     |
| 279.30 | 57.0     |
| 280.10 | 234.0    |
| 281.10 | 4738.0   |
| 282.10 | 1120.0   |
| 283.10 | 748.0    |
| 284.10 | 233.0    |
| 284.90 | 67.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 2143.0    |
| 37.00  | 12395.0   |
| 38.10  | 10809.0   |
| 39.00  | 4434.0    |
| 40.00  | 760.0     |
| 41.90  | 180.0     |
| 43.10  | 258.0     |
| 44.00  | 1536.0    |
| 45.10  | 2045.0    |
| 46.00  | 457.0     |
| 47.00  | 2995.0    |
| 48.00  | 1669.0    |
| 49.10  | 9534.0    |
| 50.00  | 42656.0   |
| 51.00  | 13341.0   |
| 52.00  | 579.0     |
| 52.90  | 292.0     |
| 53.80  | 257.0     |
| 55.00  | 580.0     |
| 56.00  | 3742.0    |
| 57.00  | 5711.0    |
| 58.00  | 381.0     |
| 58.70  | 163.0     |
| 60.10  | 2531.0    |
| 61.00  | 10100.0   |
| 62.10  | 11254.0   |
| 63.00  | 8325.0    |
| 64.00  | 1258.0    |
| 65.00  | 1491.0    |
| 65.90  | 208.0     |
| 67.00  | 840.0     |
| 68.00  | 22088.0   |
| 69.00  | 23392.0   |
| 70.00  | 1550.0    |
| 72.00  | 1476.0    |
| 73.00  | 10499.0   |
| 74.00  | 37872.0   |
| 75.10  | 109704.0  |
| 76.00  | 9563.0    |
| 77.00  | 1360.0    |
| 78.10  | 1029.0    |
| 78.90  | 7485.0    |
| 80.00  | 2298.0    |
| 80.90  | 8129.0    |
| 81.90  | 1709.0    |
| 82.80  | 289.0     |
| 84.00  | 64.0      |
| 85.80  | 385.0     |
| 87.00  | 9079.0    |
| 88.00  | 8700.0    |
| 91.00  | 1097.0    |
| 92.00  | 6205.0    |
| 93.00  | 9726.0    |
| 94.00  | 24936.0   |
| 95.00  | 211136.0  |
| 96.00  | 13336.0   |
| 97.00  | 565.0     |
| 98.80  | 64.0      |
| 102.90 | 224.0     |
| 104.00 | 1115.0    |
| 105.00 | 272.0     |
| 105.90 | 936.0     |
| 106.90 | 232.0     |
| 109.20 | 56.0      |
| 109.90 | 162.0     |
| 110.90 | 220.0     |
| 112.00 | 168.0     |
| 113.00 | 299.0     |
| 113.70 | 111.0     |
| 114.90 | 318.0     |
| 115.90 | 841.0     |
| 116.90 | 1467.0    |
| 118.00 | 907.0     |
| 118.80 | 1231.0    |
| 120.10 | 93.0      |
| 121.70 | 90.0      |
| 122.90 | 106.0     |
| 123.90 | 220.0     |
| 125.00 | 200.0     |
| 126.00 | 151.0     |
| 126.90 | 116.0     |
| 127.90 | 715.0     |
| 128.90 | 407.0     |
| 129.80 | 940.0     |
| 130.80 | 399.0     |
| 133.10 | 239.0     |
| 134.90 | 492.0     |
| 135.90 | 133.0     |
| 137.00 | 349.0     |
| 139.00 | 108.0     |
| 141.00 | 2111.0    |
| 141.90 | 270.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539

|        |          |
|--------|----------|
| 143.00 | 2122.0   |
| 144.00 | 143.0    |
| 144.90 | 546.0    |
| 146.00 | 355.0    |
| 146.90 | 193.0    |
| 147.90 | 510.0    |
| 148.80 | 151.0    |
| 149.90 | 230.0    |
| 151.20 | 56.0     |
| 151.80 | 94.0     |
| 152.90 | 299.0    |
| 153.90 | 209.0    |
| 155.10 | 512.0    |
| 155.70 | 95.0     |
| 155.90 | 95.0     |
| 156.80 | 405.0    |
| 158.00 | 82.0     |
| 158.80 | 236.0    |
| 160.90 | 197.0    |
| 163.10 | 150.0    |
| 163.70 | 73.0     |
| 165.20 | 57.0     |
| 166.30 | 58.0     |
| 167.00 | 66.0     |
| 168.30 | 71.0     |
| 169.00 | 109.0    |
| 169.40 | 107.0    |
| 170.00 | 138.0    |
| 170.80 | 287.0    |
| 172.00 | 2602.0   |
| 174.00 | 146496.0 |
| 175.00 | 13310.0  |
| 176.00 | 167936.0 |
| 177.00 | 8697.0   |
| 177.90 | 417.0    |
| 179.20 | 98.0     |
| 191.10 | 201.0    |
| 191.70 | 81.0     |
| 192.90 | 286.0    |
| 194.00 | 148.0    |
| 202.90 | 59.0     |
| 204.80 | 88.0     |
| 206.30 | 60.0     |
| 207.10 | 171.0    |
| 208.40 | 92.0     |
| 209.20 | 82.0     |
| 226.70 | 59.0     |
| 249.00 | 139.0    |
| 249.80 | 93.0     |
| 251.20 | 132.0    |
| 265.20 | 270.0    |
| 265.90 | 115.0    |
| 266.90 | 63.0     |
| 281.10 | 2393.0   |
| 282.10 | 839.0    |
| 283.20 | 425.0    |
| 284.00 | 218.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB539