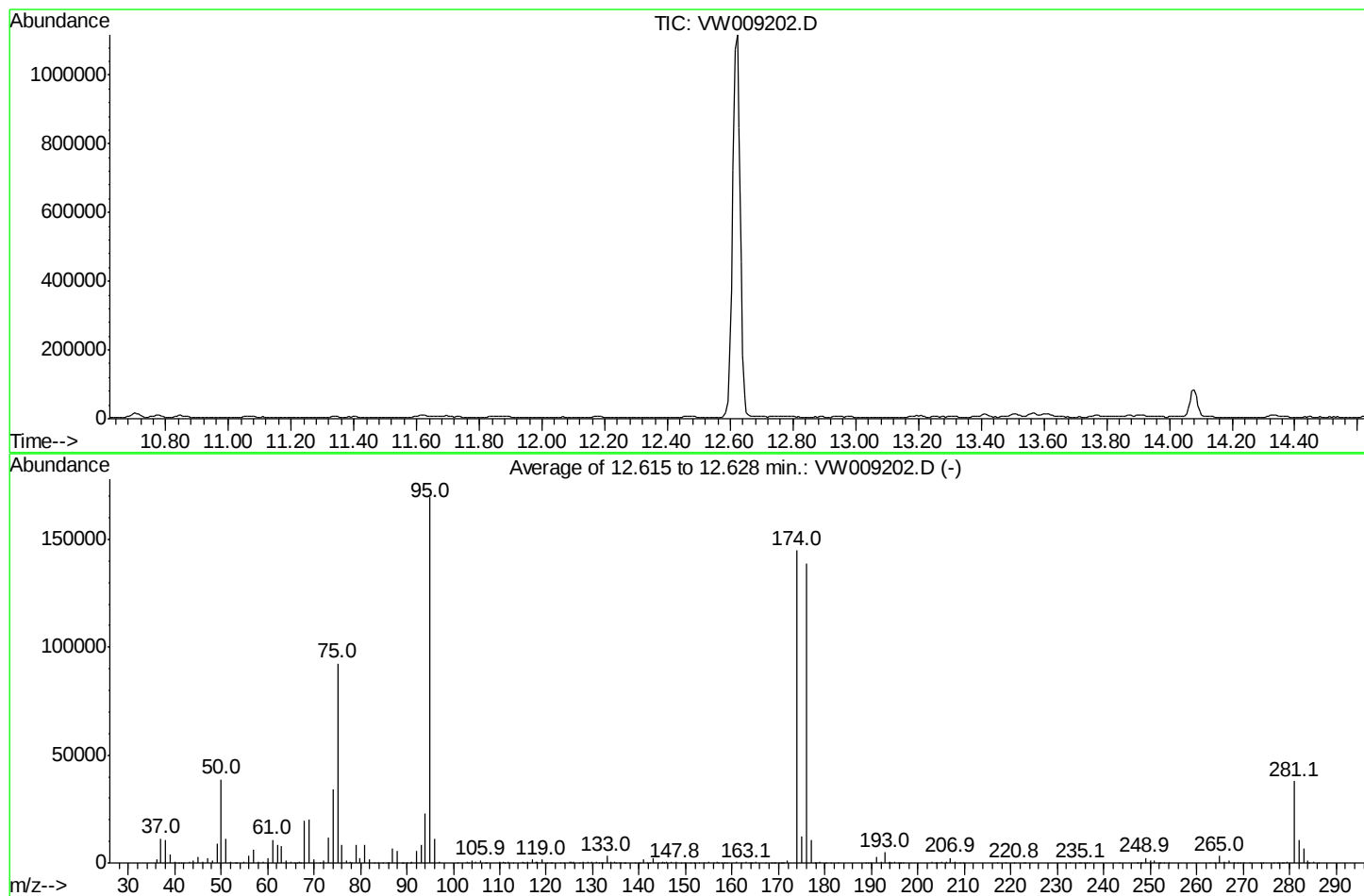


Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031619\  
 Data File : VW009202.D  
 Acq On : 16 Mar 2019 10:19  
 Operator : SY/VA  
 Sample : BFB03  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFB03

Integration File: LSCINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Title : VOC Analysis  
 Last Update : Mon Mar 18 02:40:38 2019



AutoFind: Scans 1757, 1758, 1759; Background Corrected with Scan 1748

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 22.8      | 38621   | PASS             |
| 75          | 95           | 30           | 80           | 54.5      | 92378   | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 169472  | PASS             |
| 96          | 95           | 5            | 9            | 6.7       | 11397   | PASS             |
| 173         | 174          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 174         | 95           | 50           | 120          | 85.5      | 144853  | PASS             |
| 175         | 174          | 5            | 9            | 8.6       | 12394   | PASS             |
| 176         | 174          | 95           | 101          | 95.9      | 138968  | PASS             |
| 177         | 176          | 5            | 9            | 7.6       | 10570   | PASS             |

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 63.0      |
| 36.10  | 86.0      |
| 38.40  | 99.0      |
| 38.90  | 206.0     |
| 39.90  | 2149.0    |
| 40.90  | 77.0      |
| 42.20  | 143.0     |
| 42.90  | 107.0     |
| 44.00  | 402.0     |
| 45.40  | 79.0      |
| 49.20  | 52.0      |
| 50.40  | 62.0      |
| 52.10  | 54.0      |
| 53.80  | 52.0      |
| 55.00  | 74.0      |
| 57.70  | 67.0      |
| 62.70  | 97.0      |
| 65.00  | 112.0     |
| 127.70 | 98.0      |
| 155.70 | 85.0      |
| 160.10 | 82.0      |
| 162.40 | 50.0      |
| 206.90 | 87.0      |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03

| m/z    | Abundance |
|--------|-----------|
| 36.10  | 1906.0    |
| 37.00  | 12570.0   |
| 38.10  | 11050.0   |
| 39.00  | 4891.0    |
| 40.00  | 2450.0    |
| 41.00  | 211.0     |
| 43.20  | 463.0     |
| 44.00  | 1727.0    |
| 45.00  | 3501.0    |
| 46.10  | 443.0     |
| 47.10  | 1882.0    |
| 48.00  | 1547.0    |
| 49.10  | 9921.0    |
| 50.10  | 42608.0   |
| 51.00  | 12803.0   |
| 52.00  | 775.0     |
| 53.20  | 178.0     |
| 55.10  | 783.0     |
| 56.00  | 3962.0    |
| 57.00  | 7226.0    |
| 58.10  | 496.0     |
| 59.10  | 1064.0    |
| 60.00  | 2633.0    |
| 61.00  | 11860.0   |
| 62.10  | 8972.0    |
| 63.00  | 8865.0    |
| 64.00  | 899.0     |
| 65.00  | 720.0     |
| 66.20  | 232.0     |
| 66.90  | 585.0     |
| 68.00  | 20352.0   |
| 69.00  | 21592.0   |
| 70.00  | 1795.0    |
| 71.30  | 276.0     |
| 72.00  | 1258.0    |
| 73.10  | 14028.0   |
| 74.00  | 37176.0   |
| 75.10  | 97696.0   |
| 76.10  | 9867.0    |
| 77.00  | 971.0     |
| 77.80  | 1297.0    |
| 78.90  | 9159.0    |
| 80.00  | 2461.0    |
| 81.00  | 9092.0    |
| 81.90  | 2008.0    |
| 83.00  | 186.0     |
| 84.80  | 157.0     |
| 85.80  | 575.0     |
| 86.90  | 6754.0    |
| 87.90  | 6247.0    |
| 88.90  | 272.0     |
| 89.30  | 325.0     |
| 90.10  | 166.0     |
| 90.80  | 626.0     |
| 91.20  | 633.0     |
| 92.00  | 5875.0    |
| 93.00  | 9023.0    |
| 94.00  | 24024.0   |
| 95.00  | 175744.0  |
| 96.10  | 12485.0   |
| 97.00  | 413.0     |
| 100.90 | 79.0      |
| 103.00 | 1371.0    |
| 103.90 | 1528.0    |
| 104.90 | 481.0     |
| 105.90 | 1058.0    |
| 107.00 | 314.0     |
| 110.00 | 364.0     |
| 110.80 | 647.0     |
| 111.80 | 338.0     |
| 112.90 | 286.0     |
| 114.90 | 518.0     |
| 115.90 | 773.0     |
| 116.90 | 1527.0    |
| 118.10 | 987.0     |
| 119.00 | 1680.0    |
| 121.10 | 124.0     |
| 123.80 | 113.0     |
| 125.00 | 2084.0    |
| 126.00 | 699.0     |
| 127.10 | 69.0      |
| 127.90 | 629.0     |
| 128.80 | 393.0     |
| 129.90 | 714.0     |
| 130.80 | 266.0     |
| 131.20 | 239.0     |
| 132.10 | 342.0     |
| 133.00 | 5208.0    |
| 133.90 | 982.0     |
| 134.70 | 701.0     |
| 136.10 | 115.0     |
| 136.90 | 467.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03

|        |          |
|--------|----------|
| 139.10 | 167.0    |
| 140.00 | 185.0    |
| 140.90 | 1911.0   |
| 142.90 | 2386.0   |
| 144.00 | 282.0    |
| 145.10 | 483.0    |
| 145.80 | 476.0    |
| 147.00 | 600.0    |
| 148.00 | 367.0    |
| 149.00 | 413.0    |
| 149.80 | 93.0     |
| 151.00 | 125.0    |
| 152.80 | 155.0    |
| 153.80 | 68.0     |
| 155.00 | 418.0    |
| 156.00 | 128.0    |
| 156.70 | 311.0    |
| 157.10 | 245.0    |
| 157.80 | 61.0     |
| 158.30 | 74.0     |
| 159.00 | 229.0    |
| 160.20 | 65.0     |
| 160.90 | 503.0    |
| 161.80 | 69.0     |
| 163.00 | 835.0    |
| 163.80 | 228.0    |
| 165.00 | 785.0    |
| 169.00 | 123.0    |
| 169.90 | 212.0    |
| 170.80 | 310.0    |
| 172.00 | 1797.0   |
| 174.00 | 138944.0 |
| 175.00 | 11796.0  |
| 176.00 | 131456.0 |
| 177.00 | 10835.0  |
| 178.20 | 636.0    |
| 178.90 | 928.0    |
| 180.10 | 345.0    |
| 181.20 | 218.0    |
| 182.80 | 59.0     |
| 188.80 | 389.0    |
| 189.20 | 418.0    |
| 191.00 | 4219.0   |
| 192.00 | 1162.0   |
| 193.00 | 6757.0   |
| 194.00 | 1213.0   |
| 195.00 | 605.0    |
| 195.80 | 81.0     |
| 196.30 | 106.0    |
| 196.90 | 58.0     |
| 203.00 | 534.0    |
| 203.80 | 84.0     |
| 205.10 | 1148.0   |
| 206.10 | 255.0    |
| 207.00 | 3369.0   |
| 208.20 | 445.0    |
| 209.00 | 343.0    |
| 217.00 | 87.0     |
| 218.90 | 120.0    |
| 220.80 | 390.0    |
| 222.70 | 147.0    |
| 232.70 | 52.0     |
| 234.70 | 314.0    |
| 235.80 | 145.0    |
| 237.00 | 121.0    |
| 243.20 | 57.0     |
| 247.30 | 128.0    |
| 247.90 | 90.0     |
| 249.00 | 3226.0   |
| 250.00 | 1219.0   |
| 250.90 | 1323.0   |
| 251.90 | 187.0    |
| 253.00 | 143.0    |
| 254.00 | 72.0     |
| 262.90 | 164.0    |
| 263.90 | 268.0    |
| 265.00 | 4083.0   |
| 265.90 | 991.0    |
| 267.00 | 1414.0   |
| 268.00 | 457.0    |
| 269.20 | 205.0    |
| 270.00 | 109.0    |
| 273.80 | 66.0     |
| 277.20 | 352.0    |
| 278.40 | 473.0    |
| 279.30 | 723.0    |
| 281.00 | 49256.0  |
| 282.10 | 14328.0  |
| 283.10 | 8316.0   |
| 284.00 | 1405.0   |
| 285.20 | 655.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 1963.0    |
| 37.10  | 12612.0   |
| 38.10  | 11902.0   |
| 39.10  | 4333.0    |
| 40.00  | 2139.0    |
| 40.90  | 121.0     |
| 41.90  | 174.0     |
| 43.20  | 424.0     |
| 44.00  | 2068.0    |
| 45.10  | 2457.0    |
| 46.10  | 363.0     |
| 47.00  | 2543.0    |
| 48.10  | 1308.0    |
| 49.10  | 9651.0    |
| 50.10  | 43184.0   |
| 51.10  | 12141.0   |
| 52.00  | 512.0     |
| 52.90  | 91.0      |
| 53.30  | 76.0      |
| 55.10  | 529.0     |
| 56.00  | 3774.0    |
| 57.00  | 6305.0    |
| 58.00  | 590.0     |
| 59.10  | 666.0     |
| 60.00  | 2135.0    |
| 61.00  | 11629.0   |
| 62.00  | 9793.0    |
| 63.10  | 8497.0    |
| 64.10  | 1186.0    |
| 65.00  | 722.0     |
| 65.90  | 123.0     |
| 66.90  | 705.0     |
| 68.00  | 22400.0   |
| 69.00  | 21744.0   |
| 70.00  | 1973.0    |
| 71.10  | 227.0     |
| 72.00  | 1384.0    |
| 73.00  | 13086.0   |
| 74.10  | 37288.0   |
| 75.10  | 101160.0  |
| 76.10  | 8608.0    |
| 77.00  | 1460.0    |
| 77.90  | 685.0     |
| 79.00  | 9105.0    |
| 79.90  | 2084.0    |
| 80.90  | 9400.0    |
| 82.00  | 2488.0    |
| 83.10  | 353.0     |
| 84.90  | 109.0     |
| 86.00  | 471.0     |
| 86.90  | 7445.0    |
| 88.00  | 6458.0    |
| 90.10  | 163.0     |
| 91.00  | 1058.0    |
| 92.00  | 6478.0    |
| 93.00  | 8630.0    |
| 94.00  | 24664.0   |
| 95.00  | 190784.0  |
| 96.00  | 12315.0   |
| 96.90  | 336.0     |
| 103.00 | 737.0     |
| 103.90 | 1310.0    |
| 105.00 | 481.0     |
| 105.90 | 1428.0    |
| 106.80 | 371.0     |
| 110.10 | 512.0     |
| 111.00 | 427.0     |
| 111.80 | 367.0     |
| 112.80 | 359.0     |
| 114.90 | 443.0     |
| 115.90 | 891.0     |
| 116.90 | 1758.0    |
| 117.80 | 1036.0    |
| 119.00 | 1975.0    |
| 120.80 | 106.0     |
| 123.10 | 64.0      |
| 123.80 | 272.0     |
| 125.20 | 970.0     |
| 125.70 | 416.0     |
| 127.00 | 154.0     |
| 127.90 | 907.0     |
| 128.90 | 357.0     |
| 129.80 | 787.0     |
| 130.90 | 429.0     |
| 131.90 | 174.0     |
| 133.00 | 3153.0    |
| 133.80 | 718.0     |
| 135.00 | 882.0     |
| 136.00 | 155.0     |
| 137.10 | 286.0     |
| 139.10 | 99.0      |
| 140.10 | 298.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03

|        |          |
|--------|----------|
| 140.90 | 2398.0   |
| 142.10 | 397.0    |
| 142.90 | 2546.0   |
| 144.00 | 124.0    |
| 145.00 | 548.0    |
| 145.90 | 185.0    |
| 146.90 | 548.0    |
| 147.80 | 571.0    |
| 148.90 | 215.0    |
| 149.80 | 242.0    |
| 151.10 | 121.0    |
| 151.90 | 56.0     |
| 152.80 | 89.0     |
| 153.80 | 178.0    |
| 155.00 | 394.0    |
| 156.00 | 133.0    |
| 156.80 | 295.0    |
| 157.80 | 145.0    |
| 158.90 | 408.0    |
| 160.80 | 477.0    |
| 161.90 | 143.0    |
| 163.10 | 371.0    |
| 164.00 | 145.0    |
| 165.10 | 375.0    |
| 167.10 | 94.0     |
| 169.00 | 150.0    |
| 170.50 | 296.0    |
| 171.90 | 1295.0   |
| 174.00 | 159488.0 |
| 175.00 | 14382.0  |
| 176.00 | 155456.0 |
| 177.00 | 11840.0  |
| 177.90 | 584.0    |
| 178.90 | 944.0    |
| 180.00 | 173.0    |
| 181.30 | 79.0     |
| 188.90 | 379.0    |
| 189.80 | 192.0    |
| 191.00 | 2449.0   |
| 192.00 | 710.0    |
| 193.00 | 4923.0   |
| 194.00 | 848.0    |
| 195.00 | 567.0    |
| 195.60 | 64.0     |
| 196.30 | 154.0    |
| 203.10 | 647.0    |
| 204.10 | 128.0    |
| 204.90 | 800.0    |
| 205.90 | 337.0    |
| 206.90 | 2302.0   |
| 208.00 | 517.0    |
| 209.10 | 349.0    |
| 209.80 | 57.0     |
| 218.80 | 129.0    |
| 220.80 | 213.0    |
| 223.00 | 97.0     |
| 235.10 | 334.0    |
| 235.60 | 143.0    |
| 236.90 | 118.0    |
| 247.40 | 122.0    |
| 248.10 | 173.0    |
| 248.90 | 2558.0   |
| 250.00 | 1056.0   |
| 251.00 | 990.0    |
| 251.90 | 251.0    |
| 253.00 | 226.0    |
| 263.80 | 309.0    |
| 265.00 | 3512.0   |
| 266.00 | 945.0    |
| 267.00 | 1392.0   |
| 268.20 | 96.0     |
| 268.80 | 56.0     |
| 270.00 | 101.0    |
| 271.50 | 54.0     |
| 273.80 | 62.0     |
| 274.40 | 68.0     |
| 276.60 | 66.0     |
| 277.30 | 233.0    |
| 279.40 | 786.0    |
| 281.10 | 40736.0  |
| 282.00 | 12184.0  |
| 283.10 | 7269.0   |
| 284.00 | 1512.0   |
| 285.20 | 564.0    |
| 286.10 | 85.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 83.0      |
| 36.10  | 1361.0    |
| 37.10  | 8467.0    |
| 38.10  | 8268.0    |
| 39.10  | 3173.0    |
| 40.00  | 2816.0    |
| 41.30  | 89.0      |
| 41.90  | 185.0     |
| 43.10  | 367.0     |
| 44.10  | 1339.0    |
| 45.00  | 1754.0    |
| 46.00  | 229.0     |
| 47.10  | 1578.0    |
| 48.10  | 904.0     |
| 49.10  | 7018.0    |
| 50.00  | 30072.0   |
| 51.00  | 9155.0    |
| 52.00  | 478.0     |
| 53.00  | 117.0     |
| 55.00  | 460.0     |
| 56.00  | 2776.0    |
| 57.00  | 5015.0    |
| 58.00  | 188.0     |
| 58.90  | 295.0     |
| 60.00  | 1822.0    |
| 61.10  | 8508.0    |
| 62.00  | 7295.0    |
| 63.00  | 6391.0    |
| 64.00  | 539.0     |
| 65.10  | 628.0     |
| 67.10  | 551.0     |
| 68.00  | 16221.0   |
| 69.00  | 16856.0   |
| 70.00  | 1223.0    |
| 71.10  | 168.0     |
| 72.10  | 950.0     |
| 73.00  | 8724.0    |
| 74.10  | 28064.0   |
| 75.00  | 78280.0   |
| 76.00  | 6375.0    |
| 76.80  | 739.0     |
| 78.10  | 681.0     |
| 78.90  | 6451.0    |
| 79.90  | 2332.0    |
| 81.00  | 7340.0    |
| 81.90  | 1300.0    |
| 83.00  | 183.0     |
| 83.80  | 70.0      |
| 84.90  | 120.0     |
| 85.70  | 154.0     |
| 86.90  | 6491.0    |
| 87.90  | 4246.0    |
| 91.00  | 686.0     |
| 92.00  | 4987.0    |
| 93.00  | 6974.0    |
| 94.00  | 19456.0   |
| 95.00  | 141888.0  |
| 96.10  | 9391.0    |
| 97.00  | 220.0     |
| 103.20 | 310.0     |
| 103.90 | 1009.0    |
| 104.80 | 334.0     |
| 105.90 | 880.0     |
| 106.90 | 153.0     |
| 107.20 | 129.0     |
| 110.00 | 95.0      |
| 110.80 | 356.0     |
| 111.90 | 208.0     |
| 113.00 | 147.0     |
| 115.10 | 282.0     |
| 116.00 | 699.0     |
| 116.90 | 1234.0    |
| 118.20 | 799.0     |
| 119.00 | 1213.0    |
| 120.10 | 73.0      |
| 122.90 | 103.0     |
| 123.80 | 100.0     |
| 124.80 | 394.0     |
| 125.90 | 375.0     |
| 127.00 | 79.0      |
| 127.90 | 596.0     |
| 128.80 | 534.0     |
| 129.80 | 622.0     |
| 130.90 | 325.0     |
| 131.80 | 58.0      |
| 133.10 | 1393.0    |
| 134.00 | 340.0     |
| 134.80 | 527.0     |
| 135.80 | 67.0      |
| 136.80 | 296.0     |
| 139.00 | 123.0     |
| 139.80 | 163.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03

|        |          |
|--------|----------|
| 140.90 | 1551.0   |
| 141.80 | 153.0    |
| 142.90 | 2208.0   |
| 143.90 | 113.0    |
| 144.70 | 239.0    |
| 145.30 | 166.0    |
| 146.00 | 316.0    |
| 146.80 | 287.0    |
| 147.80 | 571.0    |
| 148.90 | 230.0    |
| 149.80 | 221.0    |
| 151.20 | 73.0     |
| 153.90 | 128.0    |
| 155.00 | 659.0    |
| 155.90 | 202.0    |
| 156.80 | 321.0    |
| 157.90 | 118.0    |
| 158.80 | 235.0    |
| 160.80 | 320.0    |
| 161.90 | 56.0     |
| 163.10 | 235.0    |
| 164.30 | 119.0    |
| 165.00 | 326.0    |
| 167.10 | 56.0     |
| 168.50 | 184.0    |
| 169.30 | 121.0    |
| 170.00 | 163.0    |
| 171.10 | 334.0    |
| 174.00 | 136128.0 |
| 175.00 | 11006.0  |
| 175.90 | 129992.0 |
| 176.90 | 9036.0   |
| 178.00 | 318.0    |
| 179.00 | 557.0    |
| 180.00 | 185.0    |
| 181.40 | 55.0     |
| 189.10 | 262.0    |
| 189.80 | 147.0    |
| 191.00 | 1540.0   |
| 193.00 | 2787.0   |
| 193.70 | 321.0    |
| 194.20 | 455.0    |
| 195.10 | 436.0    |
| 196.00 | 53.0     |
| 203.20 | 168.0    |
| 204.00 | 59.0     |
| 204.90 | 315.0    |
| 206.10 | 330.0    |
| 207.10 | 1489.0   |
| 208.00 | 225.0    |
| 208.90 | 184.0    |
| 219.00 | 66.0     |
| 220.80 | 52.0     |
| 223.00 | 70.0     |
| 235.00 | 263.0    |
| 236.30 | 78.0     |
| 237.00 | 164.0    |
| 247.10 | 117.0    |
| 248.90 | 1331.0   |
| 250.10 | 414.0    |
| 251.00 | 715.0    |
| 252.10 | 90.0     |
| 253.00 | 332.0    |
| 263.90 | 127.0    |
| 265.00 | 1812.0   |
| 266.00 | 415.0    |
| 267.00 | 521.0    |
| 268.10 | 154.0    |
| 271.50 | 51.0     |
| 274.30 | 90.0     |
| 277.70 | 73.0     |
| 278.80 | 227.0    |
| 279.20 | 298.0    |
| 281.10 | 23960.0  |
| 282.00 | 6080.0   |
| 283.00 | 4340.0   |
| 284.20 | 699.0    |
| 285.00 | 346.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB03