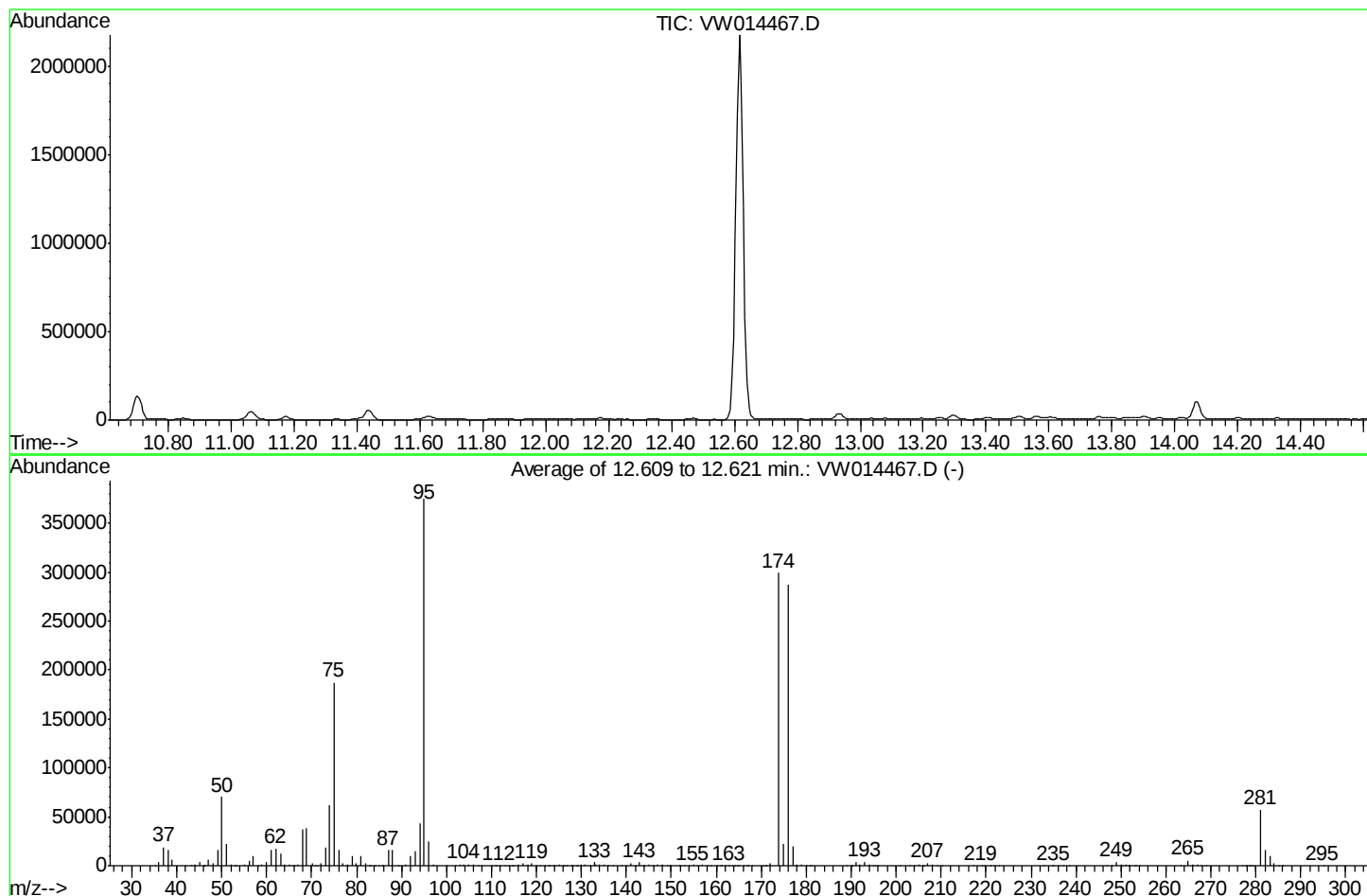


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122019\  
 Data File : VW014467.D  
 Acq On : 20 Dec 2019 08:46  
 Operator : SY/VA  
 Sample : BFB13  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFB13

Integration File: LSCINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Title : VOC Analysis  
 Last Update : Mon Dec 23 04:59:34 2019



AutoFind: Scans 1756, 1757, 1758; Background Corrected with Scan 1746

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 18.8      | 70437   | PASS             |
| 75          | 95           | 30           | 80           | 49.9      | 187029  | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 374869  | PASS             |
| 96          | 95           | 5            | 9            | 6.8       | 25362   | PASS             |
| 173         | 174          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 174         | 95           | 50           | 120          | 79.9      | 299413  | PASS             |
| 175         | 174          | 5            | 9            | 7.5       | 22418   | PASS             |
| 176         | 174          | 95           | 101          | 96.0      | 287338  | PASS             |
| 177         | 176          | 5            | 9            | 7.0       | 20194   | PASS             |

| m/z    | Abundance |
|--------|-----------|
| 38.80  | 125.0     |
| 40.10  | 830.0     |
| 40.90  | 232.0     |
| 42.20  | 78.0      |
| 43.20  | 322.0     |
| 44.00  | 868.0     |
| 55.00  | 86.0      |
| 56.90  | 121.0     |
| 63.70  | 53.0      |
| 67.10  | 66.0      |
| 68.70  | 133.0     |
| 68.90  | 125.0     |
| 71.10  | 98.0      |
| 97.80  | 52.0      |
| 168.90 | 148.0     |
| 207.10 | 147.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13

| m/z    | Abundance |
|--------|-----------|
| 36.10  | 3279.0    |
| 37.00  | 17904.0   |
| 38.10  | 15733.0   |
| 39.00  | 5986.0    |
| 40.00  | 933.0     |
| 41.10  | 329.0     |
| 41.80  | 86.0      |
| 43.00  | 568.0     |
| 44.00  | 2363.0    |
| 45.10  | 4142.0    |
| 46.10  | 350.0     |
| 47.10  | 5507.0    |
| 47.90  | 1817.0    |
| 49.10  | 15028.0   |
| 50.00  | 65104.0   |
| 51.00  | 19448.0   |
| 52.10  | 958.0     |
| 53.10  | 507.0     |
| 55.10  | 887.0     |
| 56.00  | 4821.0    |
| 57.00  | 8530.0    |
| 58.00  | 393.0     |
| 58.90  | 904.0     |
| 60.00  | 3221.0    |
| 61.00  | 14699.0   |
| 62.00  | 16384.0   |
| 63.10  | 12664.0   |
| 64.10  | 1769.0    |
| 65.10  | 1906.0    |
| 65.90  | 371.0     |
| 67.10  | 965.0     |
| 68.00  | 34304.0   |
| 69.00  | 35136.0   |
| 70.00  | 2499.0    |
| 70.80  | 140.0     |
| 72.00  | 2197.0    |
| 73.00  | 19712.0   |
| 74.00  | 56952.0   |
| 75.00  | 167680.0  |
| 76.00  | 15020.0   |
| 77.00  | 2544.0    |
| 77.90  | 1557.0    |
| 78.90  | 9123.0    |
| 80.00  | 2292.0    |
| 81.00  | 8796.0    |
| 82.00  | 1689.0    |
| 83.10  | 259.0     |
| 83.80  | 288.0     |
| 85.10  | 213.0     |
| 85.70  | 406.0     |
| 87.00  | 14015.0   |
| 88.00  | 14576.0   |
| 89.30  | 228.0     |
| 91.00  | 1105.0    |
| 92.00  | 8521.0    |
| 93.00  | 13186.0   |
| 94.00  | 36768.0   |
| 95.00  | 321792.0  |
| 96.00  | 22944.0   |
| 97.20  | 752.0     |
| 102.00 | 110.0     |
| 103.00 | 1359.0    |
| 103.90 | 1731.0    |
| 104.90 | 760.0     |
| 105.90 | 1327.0    |
| 107.10 | 397.0     |
| 107.80 | 100.0     |
| 110.00 | 705.0     |
| 110.90 | 853.0     |
| 111.90 | 635.0     |
| 113.10 | 242.0     |
| 113.70 | 68.0      |
| 115.00 | 362.0     |
| 115.90 | 1222.0    |
| 116.90 | 2211.0    |
| 118.00 | 1668.0    |
| 119.00 | 2475.0    |
| 120.10 | 260.0     |
| 120.80 | 244.0     |
| 122.70 | 229.0     |
| 123.80 | 238.0     |
| 125.10 | 2403.0    |
| 125.90 | 1095.0    |
| 126.30 | 430.0     |
| 127.70 | 926.0     |
| 128.80 | 590.0     |
| 129.90 | 1004.0    |
| 130.90 | 746.0     |
| 131.90 | 299.0     |
| 133.00 | 6312.0    |
| 134.00 | 1365.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13

|        |          |
|--------|----------|
| 134.90 | 639.0    |
| 136.00 | 177.0    |
| 136.80 | 592.0    |
| 139.00 | 146.0    |
| 140.90 | 2650.0   |
| 141.90 | 292.0    |
| 142.90 | 2739.0   |
| 144.00 | 282.0    |
| 144.90 | 1304.0   |
| 146.00 | 354.0    |
| 147.00 | 944.0    |
| 147.90 | 931.0    |
| 149.10 | 457.0    |
| 150.00 | 581.0    |
| 151.70 | 113.0    |
| 152.10 | 82.0     |
| 152.90 | 231.0    |
| 154.10 | 248.0    |
| 154.90 | 745.0    |
| 155.90 | 137.0    |
| 156.90 | 609.0    |
| 157.90 | 129.0    |
| 158.90 | 352.0    |
| 160.00 | 57.0     |
| 160.80 | 662.0    |
| 161.90 | 243.0    |
| 163.00 | 834.0    |
| 164.10 | 166.0    |
| 165.00 | 675.0    |
| 166.00 | 217.0    |
| 166.90 | 63.0     |
| 167.90 | 62.0     |
| 168.90 | 202.0    |
| 170.40 | 181.0    |
| 170.90 | 692.0    |
| 171.90 | 2013.0   |
| 173.90 | 235712.0 |
| 175.00 | 18288.0  |
| 176.00 | 220416.0 |
| 176.90 | 18128.0  |
| 178.00 | 795.0    |
| 179.00 | 1609.0   |
| 180.00 | 547.0    |
| 180.90 | 281.0    |
| 188.90 | 474.0    |
| 190.00 | 394.0    |
| 191.00 | 4784.0   |
| 192.00 | 1211.0   |
| 193.00 | 5410.0   |
| 194.00 | 1208.0   |
| 195.00 | 745.0    |
| 195.80 | 146.0    |
| 200.90 | 88.0     |
| 202.90 | 559.0    |
| 204.10 | 177.0    |
| 205.10 | 1494.0   |
| 205.90 | 365.0    |
| 206.10 | 374.0    |
| 207.00 | 4238.0   |
| 208.10 | 757.0    |
| 209.00 | 464.0    |
| 217.10 | 65.0     |
| 219.00 | 229.0    |
| 219.70 | 131.0    |
| 220.90 | 320.0    |
| 221.80 | 114.0    |
| 222.90 | 134.0    |
| 232.90 | 65.0     |
| 235.10 | 676.0    |
| 236.00 | 267.0    |
| 237.00 | 232.0    |
| 238.40 | 51.0     |
| 246.70 | 87.0     |
| 249.00 | 4958.0   |
| 249.90 | 1555.0   |
| 251.00 | 1998.0   |
| 251.80 | 558.0    |
| 252.90 | 435.0    |
| 265.00 | 6863.0   |
| 266.00 | 1827.0   |
| 267.10 | 1734.0   |
| 268.00 | 448.0    |
| 269.00 | 207.0    |
| 276.90 | 123.0    |
| 277.80 | 105.0    |
| 279.00 | 373.0    |
| 281.10 | 76232.0  |
| 282.10 | 21952.0  |
| 283.10 | 11887.0  |
| 284.10 | 2757.0   |
| 285.00 | 913.0    |
| 285.80 | 170.0    |
| 295.00 | 86.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 4169.0    |
| 37.10  | 20608.0   |
| 38.00  | 18296.0   |
| 39.00  | 7042.0    |
| 40.00  | 718.0     |
| 40.90  | 152.0     |
| 42.00  | 85.0      |
| 43.10  | 516.0     |
| 44.00  | 3022.0    |
| 45.00  | 4219.0    |
| 45.80  | 287.0     |
| 46.30  | 396.0     |
| 47.10  | 6508.0    |
| 48.00  | 2591.0    |
| 49.00  | 17464.0   |
| 50.00  | 79920.0   |
| 51.10  | 25000.0   |
| 52.00  | 1094.0    |
| 52.90  | 334.0     |
| 55.10  | 1184.0    |
| 56.10  | 5794.0    |
| 57.10  | 10675.0   |
| 58.10  | 657.0     |
| 59.00  | 877.0     |
| 60.00  | 3822.0    |
| 61.00  | 19312.0   |
| 62.00  | 20152.0   |
| 63.00  | 14536.0   |
| 64.00  | 1718.0    |
| 65.00  | 2327.0    |
| 66.10  | 349.0     |
| 67.00  | 1454.0    |
| 68.00  | 41552.0   |
| 69.00  | 41384.0   |
| 70.10  | 2944.0    |
| 71.10  | 196.0     |
| 72.00  | 2754.0    |
| 73.00  | 20216.0   |
| 74.00  | 69504.0   |
| 75.00  | 211392.0  |
| 76.00  | 17368.0   |
| 76.90  | 2562.0    |
| 78.10  | 1567.0    |
| 79.00  | 10236.0   |
| 79.90  | 3124.0    |
| 80.90  | 10929.0   |
| 82.00  | 2594.0    |
| 82.90  | 215.0     |
| 83.90  | 78.0      |
| 85.10  | 109.0     |
| 87.00  | 17640.0   |
| 88.00  | 16576.0   |
| 91.00  | 1140.0    |
| 92.00  | 11347.0   |
| 93.00  | 17032.0   |
| 94.00  | 48600.0   |
| 95.00  | 422720.0  |
| 96.00  | 28744.0   |
| 97.10  | 1020.0    |
| 101.80 | 55.0      |
| 102.80 | 799.0     |
| 103.90 | 1751.0    |
| 104.90 | 812.0     |
| 105.90 | 2013.0    |
| 106.90 | 523.0     |
| 107.90 | 82.0      |
| 109.90 | 456.0     |
| 110.80 | 483.0     |
| 111.10 | 468.0     |
| 112.00 | 500.0     |
| 113.00 | 425.0     |
| 113.70 | 104.0     |
| 114.90 | 685.0     |
| 115.80 | 1222.0    |
| 116.90 | 2289.0    |
| 118.00 | 1469.0    |
| 119.00 | 2430.0    |
| 120.00 | 209.0     |
| 120.90 | 201.0     |
| 122.90 | 175.0     |
| 124.10 | 400.0     |
| 125.00 | 1946.0    |
| 126.10 | 611.0     |
| 126.80 | 205.0     |
| 128.00 | 1409.0    |
| 128.90 | 703.0     |
| 129.90 | 1419.0    |
| 130.80 | 650.0     |
| 131.90 | 331.0     |
| 133.00 | 4219.0    |
| 134.10 | 995.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13

|        |          |
|--------|----------|
| 134.90 | 883.0    |
| 136.90 | 541.0    |
| 138.80 | 152.0    |
| 139.80 | 277.0    |
| 140.90 | 3065.0   |
| 143.00 | 4376.0   |
| 143.70 | 408.0    |
| 144.90 | 1177.0   |
| 145.90 | 635.0    |
| 146.90 | 825.0    |
| 147.90 | 988.0    |
| 148.90 | 458.0    |
| 149.70 | 300.0    |
| 151.70 | 134.0    |
| 152.10 | 148.0    |
| 153.00 | 624.0    |
| 153.90 | 222.0    |
| 154.90 | 905.0    |
| 155.90 | 163.0    |
| 157.00 | 696.0    |
| 157.90 | 68.0     |
| 158.90 | 578.0    |
| 160.00 | 103.0    |
| 161.10 | 689.0    |
| 161.80 | 73.0     |
| 162.80 | 749.0    |
| 164.10 | 57.0     |
| 165.10 | 677.0    |
| 166.10 | 148.0    |
| 168.90 | 90.0     |
| 170.70 | 451.0    |
| 171.10 | 422.0    |
| 171.80 | 2681.0   |
| 173.90 | 336832.0 |
| 175.00 | 25680.0  |
| 175.90 | 329344.0 |
| 177.00 | 22624.0  |
| 178.00 | 1052.0   |
| 179.10 | 1130.0   |
| 179.90 | 137.0    |
| 180.80 | 164.0    |
| 181.10 | 178.0    |
| 189.00 | 482.0    |
| 190.20 | 226.0    |
| 191.00 | 3606.0   |
| 192.00 | 1042.0   |
| 193.00 | 4775.0   |
| 194.10 | 853.0    |
| 194.80 | 520.0    |
| 202.90 | 455.0    |
| 204.90 | 1560.0   |
| 206.10 | 307.0    |
| 207.00 | 3275.0   |
| 208.10 | 734.0    |
| 209.00 | 529.0    |
| 217.10 | 154.0    |
| 219.10 | 87.0     |
| 219.70 | 102.0    |
| 221.10 | 345.0    |
| 222.90 | 109.0    |
| 234.80 | 366.0    |
| 235.90 | 212.0    |
| 237.00 | 153.0    |
| 249.00 | 3825.0   |
| 250.00 | 1042.0   |
| 251.00 | 1377.0   |
| 252.00 | 573.0    |
| 253.20 | 171.0    |
| 265.00 | 6185.0   |
| 266.00 | 1924.0   |
| 267.00 | 1312.0   |
| 267.80 | 289.0    |
| 269.00 | 210.0    |
| 278.10 | 63.0     |
| 278.90 | 416.0    |
| 279.30 | 480.0    |
| 281.10 | 57176.0  |
| 282.00 | 16512.0  |
| 283.10 | 11418.0  |
| 284.10 | 2116.0   |
| 285.10 | 658.0    |
| 286.00 | 147.0    |
| 295.00 | 156.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 68.0      |
| 36.00  | 3357.0    |
| 37.10  | 17328.0   |
| 38.10  | 15494.0   |
| 39.10  | 6152.0    |
| 40.00  | 785.0     |
| 41.20  | 148.0     |
| 42.00  | 77.0      |
| 43.20  | 256.0     |
| 44.00  | 2006.0    |
| 45.00  | 3097.0    |
| 45.90  | 291.0     |
| 47.00  | 4997.0    |
| 48.00  | 2490.0    |
| 49.00  | 14142.0   |
| 50.00  | 66288.0   |
| 51.00  | 21016.0   |
| 52.00  | 1126.0    |
| 53.20  | 256.0     |
| 55.10  | 887.0     |
| 56.00  | 4797.0    |
| 57.00  | 9193.0    |
| 57.90  | 510.0     |
| 58.90  | 307.0     |
| 60.00  | 3493.0    |
| 61.00  | 15888.0   |
| 62.10  | 16372.0   |
| 63.00  | 11880.0   |
| 64.10  | 1496.0    |
| 65.10  | 1069.0    |
| 66.00  | 282.0     |
| 68.00  | 35496.0   |
| 69.00  | 37656.0   |
| 70.10  | 2859.0    |
| 71.30  | 416.0     |
| 72.00  | 1673.0    |
| 73.00  | 16960.0   |
| 74.00  | 58824.0   |
| 75.00  | 182016.0  |
| 76.00  | 14810.0   |
| 77.10  | 1681.0    |
| 77.90  | 1509.0    |
| 78.90  | 8938.0    |
| 80.00  | 2263.0    |
| 80.90  | 9404.0    |
| 81.90  | 1767.0    |
| 82.80  | 221.0     |
| 83.20  | 302.0     |
| 85.00  | 110.0     |
| 85.90  | 911.0     |
| 87.00  | 16090.0   |
| 87.90  | 16172.0   |
| 91.00  | 1155.0    |
| 92.00  | 10684.0   |
| 93.00  | 14898.0   |
| 94.00  | 43784.0   |
| 95.00  | 380096.0  |
| 96.00  | 24400.0   |
| 97.00  | 605.0     |
| 100.00 | 88.0      |
| 102.80 | 798.0     |
| 104.00 | 1330.0    |
| 104.90 | 662.0     |
| 106.00 | 1342.0    |
| 107.00 | 528.0     |
| 109.90 | 385.0     |
| 110.90 | 238.0     |
| 111.80 | 402.0     |
| 112.90 | 300.0     |
| 114.70 | 511.0     |
| 115.90 | 1344.0    |
| 116.90 | 2365.0    |
| 117.90 | 925.0     |
| 118.90 | 2302.0    |
| 120.00 | 145.0     |
| 120.90 | 103.0     |
| 121.80 | 108.0     |
| 122.80 | 103.0     |
| 123.80 | 238.0     |
| 124.90 | 848.0     |
| 126.20 | 361.0     |
| 127.80 | 825.0     |
| 129.10 | 581.0     |
| 129.90 | 1168.0    |
| 130.80 | 517.0     |
| 131.00 | 524.0     |
| 131.90 | 285.0     |
| 133.20 | 2024.0    |
| 134.00 | 607.0     |
| 135.00 | 755.0     |
| 136.00 | 110.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13

|        |          |
|--------|----------|
| 136.80 | 581.0    |
| 138.90 | 114.0    |
| 139.90 | 275.0    |
| 141.00 | 3609.0   |
| 142.00 | 463.0    |
| 142.90 | 3629.0   |
| 144.00 | 295.0    |
| 144.90 | 783.0    |
| 145.90 | 394.0    |
| 147.10 | 512.0    |
| 147.80 | 614.0    |
| 149.00 | 261.0    |
| 150.00 | 290.0    |
| 151.80 | 159.0    |
| 153.00 | 334.0    |
| 153.80 | 241.0    |
| 155.00 | 663.0    |
| 157.00 | 794.0    |
| 157.80 | 221.0    |
| 158.80 | 707.0    |
| 160.00 | 90.0     |
| 160.90 | 647.0    |
| 161.90 | 97.0     |
| 162.90 | 391.0    |
| 163.70 | 74.0     |
| 164.70 | 144.0    |
| 165.10 | 340.0    |
| 167.20 | 69.0     |
| 169.00 | 121.0    |
| 170.20 | 118.0    |
| 170.80 | 600.0    |
| 171.90 | 2684.0   |
| 173.90 | 325696.0 |
| 175.00 | 23288.0  |
| 176.00 | 312256.0 |
| 176.90 | 19832.0  |
| 177.90 | 778.0    |
| 178.90 | 683.0    |
| 181.00 | 91.0     |
| 189.00 | 406.0    |
| 191.00 | 2087.0   |
| 191.90 | 421.0    |
| 193.00 | 2609.0   |
| 194.00 | 399.0    |
| 194.90 | 269.0    |
| 195.40 | 56.0     |
| 203.00 | 240.0    |
| 205.00 | 511.0    |
| 205.80 | 208.0    |
| 207.00 | 2182.0   |
| 208.10 | 536.0    |
| 209.00 | 301.0    |
| 210.30 | 69.0     |
| 219.10 | 137.0    |
| 220.80 | 88.0     |
| 221.10 | 100.0    |
| 222.90 | 72.0     |
| 235.00 | 385.0    |
| 236.10 | 114.0    |
| 237.10 | 87.0     |
| 247.90 | 112.0    |
| 249.00 | 2674.0   |
| 250.20 | 560.0    |
| 251.00 | 712.0    |
| 252.00 | 243.0    |
| 252.90 | 58.0     |
| 254.00 | 88.0     |
| 263.20 | 63.0     |
| 265.00 | 2716.0   |
| 266.00 | 876.0    |
| 267.10 | 675.0    |
| 268.00 | 73.0     |
| 269.00 | 115.0    |
| 278.10 | 138.0    |
| 278.60 | 58.0     |
| 279.40 | 321.0    |
| 281.10 | 38480.0  |
| 282.10 | 10738.0  |
| 283.00 | 6250.0   |
| 284.00 | 1247.0   |
| 285.10 | 378.0    |
| 286.00 | 97.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB13