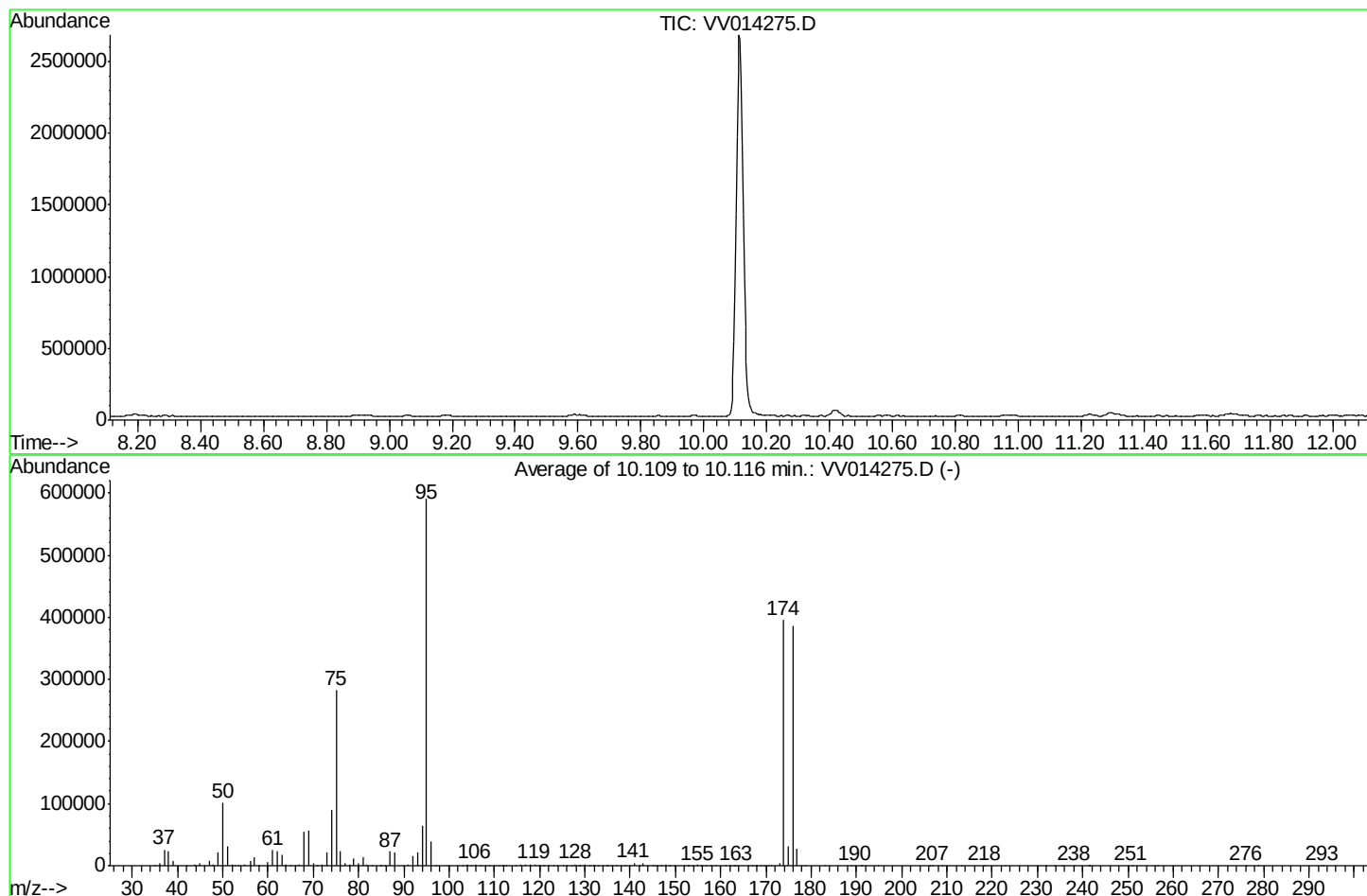


Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV011320\  
 Data File : VV014275.D  
 Acq On : 13 Jan 2020 09:06  
 Operator : SY/MD  
 Sample : BFB54  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFB54

Integration File: rteint.p

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
 Title : TRACE VOA SOM01.0  
 Last Update : Wed Jan 15 12:01:07 2020



AutoFind: Scans 2805, 2806, 2807; Background Corrected with Scan 2792

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 17.1      | 100840  | PASS             |
| 75          | 95           | 30           | 80           | 47.8      | 282563  | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 590635  | PASS             |
| 96          | 95           | 5            | 9            | 6.5       | 38150   | PASS             |
| 173         | 174          | 0.00         | 2            | 1.1       | 4475    | PASS             |
| 174         | 95           | 50           | 120          | 66.9      | 395008  | PASS             |
| 175         | 174          | 5            | 9            | 7.8       | 30952   | PASS             |
| 176         | 174          | 95           | 101          | 97.6      | 385642  | PASS             |
| 177         | 176          | 5            | 9            | 6.9       | 26427   | PASS             |

| m/z    | Abundance |
|--------|-----------|
| 35.00  | 310.0     |
| 36.00  | 4301.0    |
| 37.00  | 25216.0   |
| 38.00  | 22848.0   |
| 39.00  | 7865.0    |
| 40.00  | 2051.0    |
| 41.00  | 638.0     |
| 42.00  | 315.0     |
| 42.90  | 714.0     |
| 44.00  | 4132.0    |
| 45.10  | 4265.0    |
| 45.90  | 497.0     |
| 47.00  | 7592.0    |
| 47.90  | 2855.0    |
| 49.00  | 21184.0   |
| 50.00  | 97000.0   |
| 51.00  | 29648.0   |
| 52.10  | 1725.0    |
| 52.90  | 270.0     |
| 53.40  | 235.0     |
| 54.00  | 213.0     |
| 55.00  | 1883.0    |
| 56.00  | 7689.0    |
| 57.00  | 13191.0   |
| 57.90  | 605.0     |
| 60.00  | 4908.0    |
| 61.00  | 24544.0   |
| 62.00  | 22232.0   |
| 63.00  | 17264.0   |
| 63.90  | 1583.0    |
| 64.90  | 205.0     |
| 66.10  | 228.0     |
| 66.90  | 1691.0    |
| 68.00  | 52488.0   |
| 69.00  | 52504.0   |
| 70.00  | 4405.0    |
| 70.90  | 335.0     |
| 72.00  | 2688.0    |
| 73.00  | 20912.0   |
| 74.00  | 83880.0   |
| 75.00  | 268544.0  |
| 76.00  | 23944.0   |
| 77.00  | 3059.0    |
| 78.00  | 2687.0    |
| 78.90  | 10929.0   |
| 80.00  | 4142.0    |
| 80.90  | 11626.0   |
| 81.90  | 2590.0    |
| 83.00  | 546.0     |
| 84.80  | 360.0     |
| 85.10  | 234.0     |
| 85.90  | 445.0     |
| 87.00  | 22032.0   |
| 87.90  | 18672.0   |
| 89.80  | 202.0     |
| 91.00  | 1833.0    |
| 92.00  | 14881.0   |
| 93.00  | 21024.0   |
| 94.00  | 58728.0   |
| 95.00  | 560768.0  |
| 96.00  | 36424.0   |
| 97.00  | 893.0     |
| 99.70  | 156.0     |
| 102.90 | 388.0     |
| 103.90 | 2276.0    |
| 104.90 | 1076.0    |
| 105.90 | 2251.0    |
| 106.90 | 772.0     |
| 107.90 | 265.0     |
| 108.90 | 153.0     |
| 109.90 | 296.0     |
| 110.90 | 522.0     |
| 111.60 | 312.0     |
| 112.20 | 259.0     |
| 112.70 | 306.0     |
| 114.80 | 708.0     |
| 115.80 | 1532.0    |
| 116.90 | 2685.0    |
| 117.90 | 1815.0    |
| 118.90 | 2651.0    |
| 119.70 | 144.0     |
| 120.10 | 131.0     |
| 120.80 | 119.0     |
| 121.90 | 163.0     |
| 122.90 | 239.0     |
| 123.90 | 456.0     |
| 125.00 | 158.0     |
| 125.90 | 263.0     |
| 127.10 | 219.0     |
| 127.90 | 1888.0    |
| 128.70 | 706.0     |
| 129.90 | 1746.0    |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54

|        |          |
|--------|----------|
| 130.90 | 668.0    |
| 131.90 | 159.0    |
| 132.90 | 258.0    |
| 133.90 | 164.0    |
| 134.70 | 730.0    |
| 135.80 | 267.0    |
| 136.80 | 791.0    |
| 138.00 | 192.0    |
| 139.20 | 166.0    |
| 139.80 | 368.0    |
| 140.90 | 4434.0   |
| 142.00 | 731.0    |
| 142.90 | 3967.0   |
| 143.90 | 391.0    |
| 144.90 | 636.0    |
| 145.60 | 458.0    |
| 146.80 | 512.0    |
| 147.90 | 1604.0   |
| 148.70 | 312.0    |
| 149.80 | 419.0    |
| 151.40 | 160.0    |
| 152.10 | 255.0    |
| 152.70 | 451.0    |
| 153.80 | 447.0    |
| 154.90 | 1007.0   |
| 156.00 | 137.0    |
| 156.80 | 892.0    |
| 158.10 | 180.0    |
| 159.00 | 426.0    |
| 160.90 | 630.0    |
| 162.10 | 134.0    |
| 163.60 | 102.0    |
| 167.10 | 158.0    |
| 169.40 | 152.0    |
| 170.60 | 390.0    |
| 173.00 | 4131.0   |
| 173.90 | 360256.0 |
| 174.90 | 28824.0  |
| 175.90 | 353600.0 |
| 176.90 | 24704.0  |
| 177.90 | 698.0    |
| 182.90 | 103.0    |
| 189.70 | 140.0    |
| 190.90 | 199.0    |
| 194.70 | 136.0    |
| 206.30 | 115.0    |
| 206.90 | 212.0    |
| 209.00 | 126.0    |
| 218.30 | 143.0    |
| 235.50 | 107.0    |
| 238.30 | 206.0    |
| 241.60 | 103.0    |
| 250.80 | 121.0    |
| 256.70 | 103.0    |
| 276.10 | 107.0    |
| 293.10 | 168.0    |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54

| m/z    | Abundance |
|--------|-----------|
| 35.10  | 217.0     |
| 36.00  | 4433.0    |
| 37.00  | 27584.0   |
| 38.00  | 24608.0   |
| 39.00  | 8285.0    |
| 40.00  | 1983.0    |
| 41.10  | 612.0     |
| 42.00  | 316.0     |
| 42.90  | 771.0     |
| 44.00  | 4367.0    |
| 45.00  | 4517.0    |
| 45.90  | 539.0     |
| 47.00  | 8153.0    |
| 48.00  | 3030.0    |
| 49.00  | 22800.0   |
| 50.00  | 103992.0  |
| 51.00  | 31592.0   |
| 52.00  | 1729.0    |
| 52.80  | 264.0     |
| 53.40  | 264.0     |
| 54.00  | 261.0     |
| 55.00  | 1936.0    |
| 56.00  | 8176.0    |
| 57.00  | 14328.0   |
| 57.90  | 616.0     |
| 60.00  | 5459.0    |
| 61.00  | 26512.0   |
| 62.00  | 23960.0   |
| 63.00  | 19296.0   |
| 63.90  | 1807.0    |
| 65.10  | 168.0     |
| 66.10  | 252.0     |
| 67.00  | 1732.0    |
| 68.00  | 56880.0   |
| 69.00  | 57544.0   |
| 70.00  | 4478.0    |
| 71.10  | 301.0     |
| 72.00  | 2816.0    |
| 73.00  | 22840.0   |
| 74.00  | 93360.0   |
| 75.00  | 293504.0  |
| 76.00  | 25200.0   |
| 77.00  | 3337.0    |
| 78.00  | 2842.0    |
| 78.90  | 12429.0   |
| 80.00  | 4530.0    |
| 80.90  | 13658.0   |
| 81.90  | 2915.0    |
| 82.90  | 641.0     |
| 83.90  | 106.0     |
| 84.80  | 379.0     |
| 86.00  | 678.0     |
| 87.00  | 23456.0   |
| 87.90  | 21448.0   |
| 89.70  | 202.0     |
| 90.90  | 1838.0    |
| 92.00  | 15785.0   |
| 93.00  | 22264.0   |
| 94.00  | 66120.0   |
| 95.00  | 611648.0  |
| 96.00  | 39528.0   |
| 97.00  | 923.0     |
| 99.70  | 138.0     |
| 102.90 | 299.0     |
| 103.90 | 2305.0    |
| 104.90 | 1179.0    |
| 105.90 | 2343.0    |
| 106.90 | 771.0     |
| 107.90 | 278.0     |
| 108.80 | 184.0     |
| 110.00 | 364.0     |
| 110.90 | 540.0     |
| 111.70 | 299.0     |
| 112.20 | 277.0     |
| 112.60 | 309.0     |
| 114.80 | 603.0     |
| 115.90 | 1982.0    |
| 116.90 | 2776.0    |
| 117.80 | 1819.0    |
| 118.90 | 2965.0    |
| 119.70 | 148.0     |
| 120.10 | 190.0     |
| 122.00 | 167.0     |
| 122.90 | 374.0     |
| 123.90 | 494.0     |
| 125.10 | 196.0     |
| 125.80 | 383.0     |
| 127.00 | 206.0     |
| 127.90 | 2011.0    |
| 129.00 | 872.0     |
| 129.90 | 1884.0    |
| 130.90 | 841.0     |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54

|        |          |
|--------|----------|
| 131.80 | 160.0    |
| 132.90 | 269.0    |
| 134.00 | 266.0    |
| 134.70 | 852.0    |
| 135.10 | 684.0    |
| 135.80 | 262.0    |
| 136.90 | 865.0    |
| 138.10 | 154.0    |
| 138.70 | 155.0    |
| 139.80 | 337.0    |
| 140.90 | 5140.0   |
| 142.00 | 735.0    |
| 142.90 | 4626.0   |
| 143.90 | 450.0    |
| 144.90 | 704.0    |
| 145.90 | 540.0    |
| 146.80 | 492.0    |
| 147.90 | 1563.0   |
| 148.80 | 408.0    |
| 149.80 | 449.0    |
| 151.50 | 179.0    |
| 152.10 | 234.0    |
| 152.70 | 501.0    |
| 153.80 | 544.0    |
| 154.90 | 1187.0   |
| 156.00 | 134.0    |
| 156.80 | 900.0    |
| 157.70 | 103.0    |
| 158.10 | 156.0    |
| 158.90 | 474.0    |
| 160.90 | 713.0    |
| 162.10 | 132.0    |
| 162.80 | 111.0    |
| 163.00 | 117.0    |
| 163.60 | 175.0    |
| 166.00 | 151.0    |
| 167.00 | 189.0    |
| 167.60 | 129.0    |
| 168.00 | 143.0    |
| 169.50 | 235.0    |
| 170.60 | 473.0    |
| 173.00 | 4622.0   |
| 173.90 | 408640.0 |
| 174.90 | 32136.0  |
| 175.90 | 399936.0 |
| 176.90 | 27376.0  |
| 177.90 | 725.0    |
| 189.70 | 193.0    |
| 190.90 | 159.0    |
| 194.70 | 111.0    |
| 206.90 | 163.0    |
| 213.20 | 119.0    |
| 235.50 | 127.0    |
| 238.20 | 208.0    |
| 250.80 | 162.0    |
| 256.70 | 149.0    |
| 276.10 | 168.0    |
| 292.70 | 106.0    |
| 293.10 | 121.0    |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54

| m/z    | Abundance |
|--------|-----------|
| 35.20  | 223.0     |
| 36.00  | 4212.0    |
| 37.00  | 26712.0   |
| 38.00  | 23120.0   |
| 39.00  | 7664.0    |
| 39.90  | 2088.0    |
| 41.20  | 634.0     |
| 42.00  | 314.0     |
| 42.90  | 794.0     |
| 44.00  | 4236.0    |
| 45.00  | 4451.0    |
| 46.10  | 523.0     |
| 47.00  | 8413.0    |
| 47.90  | 2885.0    |
| 49.00  | 21680.0   |
| 50.00  | 101528.0  |
| 51.00  | 31608.0   |
| 52.00  | 1698.0    |
| 52.80  | 223.0     |
| 53.30  | 231.0     |
| 54.10  | 297.0     |
| 54.90  | 1999.0    |
| 56.00  | 7769.0    |
| 57.00  | 13417.0   |
| 58.00  | 566.0     |
| 59.10  | 150.0     |
| 59.90  | 5263.0    |
| 61.00  | 25416.0   |
| 62.00  | 22856.0   |
| 63.00  | 19040.0   |
| 63.90  | 1708.0    |
| 65.20  | 205.0     |
| 66.10  | 210.0     |
| 67.00  | 1970.0    |
| 68.00  | 55464.0   |
| 69.00  | 56904.0   |
| 70.00  | 4058.0    |
| 71.20  | 280.0     |
| 71.90  | 2715.0    |
| 73.00  | 22776.0   |
| 74.00  | 92096.0   |
| 75.00  | 286208.0  |
| 76.00  | 23848.0   |
| 77.00  | 3507.0    |
| 77.90  | 2743.0    |
| 78.90  | 12254.0   |
| 79.90  | 4326.0    |
| 80.90  | 14190.0   |
| 81.90  | 2858.0    |
| 82.90  | 620.0     |
| 84.80  | 269.0     |
| 86.00  | 873.0     |
| 87.00  | 22944.0   |
| 88.00  | 22560.0   |
| 89.70  | 184.0     |
| 90.90  | 1723.0    |
| 92.00  | 15125.0   |
| 93.00  | 21656.0   |
| 94.00  | 65552.0   |
| 95.00  | 600000.0  |
| 96.00  | 39064.0   |
| 97.00  | 1032.0    |
| 103.00 | 258.0     |
| 103.90 | 2022.0    |
| 104.90 | 1048.0    |
| 105.90 | 2081.0    |
| 106.80 | 691.0     |
| 108.00 | 303.0     |
| 108.80 | 131.0     |
| 110.00 | 375.0     |
| 110.90 | 520.0     |
| 111.70 | 284.0     |
| 112.10 | 242.0     |
| 112.60 | 273.0     |
| 114.80 | 515.0     |
| 115.90 | 2216.0    |
| 116.90 | 2779.0    |
| 117.80 | 1891.0    |
| 118.90 | 2944.0    |
| 119.70 | 103.0     |
| 120.10 | 174.0     |
| 122.10 | 220.0     |
| 122.90 | 451.0     |
| 123.90 | 494.0     |
| 125.20 | 277.0     |
| 125.80 | 411.0     |
| 127.00 | 204.0     |
| 127.90 | 2010.0    |
| 129.00 | 1014.0    |
| 129.90 | 2026.0    |
| 131.00 | 993.0     |
| 131.80 | 160.0     |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54

|        |          |
|--------|----------|
| 132.20 | 157.0    |
| 132.90 | 205.0    |
| 133.30 | 165.0    |
| 134.00 | 338.0    |
| 134.70 | 870.0    |
| 135.70 | 223.0    |
| 136.90 | 914.0    |
| 138.20 | 180.0    |
| 138.70 | 187.0    |
| 139.80 | 325.0    |
| 140.90 | 5032.0   |
| 142.00 | 674.0    |
| 142.90 | 4703.0   |
| 143.90 | 474.0    |
| 144.90 | 648.0    |
| 145.90 | 612.0    |
| 146.90 | 424.0    |
| 147.90 | 1392.0   |
| 148.80 | 417.0    |
| 149.80 | 448.0    |
| 151.50 | 213.0    |
| 152.00 | 171.0    |
| 152.60 | 439.0    |
| 153.10 | 441.0    |
| 153.80 | 487.0    |
| 154.90 | 1292.0   |
| 155.70 | 171.0    |
| 156.00 | 173.0    |
| 156.80 | 794.0    |
| 158.90 | 572.0    |
| 160.90 | 715.0    |
| 163.10 | 142.0    |
| 163.60 | 178.0    |
| 166.10 | 224.0    |
| 166.90 | 228.0    |
| 167.60 | 154.0    |
| 168.00 | 195.0    |
| 168.80 | 156.0    |
| 169.50 | 274.0    |
| 170.20 | 308.0    |
| 170.70 | 455.0    |
| 171.30 | 427.0    |
| 173.00 | 4672.0   |
| 173.90 | 416128.0 |
| 174.90 | 31896.0  |
| 175.90 | 403392.0 |
| 176.90 | 27568.0  |
| 177.90 | 669.0    |
| 178.70 | 120.0    |
| 188.80 | 132.0    |
| 189.70 | 174.0    |
| 190.90 | 119.0    |
| 191.20 | 116.0    |
| 194.80 | 108.0    |
| 206.90 | 125.0    |
| 213.20 | 179.0    |
| 222.70 | 111.0    |
| 232.00 | 130.0    |
| 233.80 | 124.0    |
| 238.10 | 134.0    |
| 241.20 | 152.0    |
| 250.80 | 135.0    |
| 256.70 | 137.0    |
| 276.10 | 133.0    |
| 278.70 | 111.0    |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54

| m/z    | Abundance |
|--------|-----------|
| 35.90  | 367.0     |
| 37.00  | 249.0     |
| 38.30  | 324.0     |
| 38.90  | 550.0     |
| 39.90  | 2185.0    |
| 41.10  | 630.0     |
| 42.20  | 273.0     |
| 43.10  | 770.0     |
| 43.90  | 2303.0    |
| 44.90  | 326.0     |
| 46.20  | 303.0     |
| 47.20  | 216.0     |
| 48.10  | 142.0     |
| 48.70  | 201.0     |
| 49.20  | 327.0     |
| 50.60  | 275.0     |
| 51.10  | 307.0     |
| 52.10  | 160.0     |
| 52.70  | 193.0     |
| 53.50  | 226.0     |
| 54.00  | 265.0     |
| 54.90  | 591.0     |
| 56.00  | 262.0     |
| 57.30  | 368.0     |
| 58.40  | 251.0     |
| 59.10  | 121.0     |
| 60.00  | 198.0     |
| 61.00  | 121.0     |
| 63.00  | 157.0     |
| 63.70  | 217.0     |
| 64.00  | 208.0     |
| 65.30  | 190.0     |
| 66.10  | 204.0     |
| 67.00  | 364.0     |
| 68.00  | 143.0     |
| 68.70  | 225.0     |
| 69.30  | 252.0     |
| 70.20  | 352.0     |
| 71.10  | 216.0     |
| 71.80  | 202.0     |
| 72.50  | 196.0     |
| 73.20  | 216.0     |
| 74.50  | 107.0     |
| 75.20  | 189.0     |
| 75.80  | 111.0     |
| 76.90  | 285.0     |
| 77.60  | 244.0     |
| 78.50  | 181.0     |
| 79.10  | 279.0     |
| 79.90  | 133.0     |
| 80.90  | 307.0     |
| 82.80  | 205.0     |
| 83.90  | 172.0     |
| 84.80  | 199.0     |
| 85.90  | 175.0     |
| 86.50  | 125.0     |
| 87.40  | 102.0     |
| 88.10  | 148.0     |
| 90.20  | 151.0     |
| 90.80  | 103.0     |
| 91.30  | 104.0     |
| 92.50  | 261.0     |
| 93.30  | 206.0     |
| 94.70  | 169.0     |
| 95.20  | 170.0     |
| 96.00  | 188.0     |
| 96.80  | 161.0     |
| 98.20  | 342.0     |
| 98.70  | 220.0     |
| 101.40 | 120.0     |
| 103.40 | 115.0     |
| 104.80 | 146.0     |
| 105.10 | 133.0     |
| 106.50 | 135.0     |
| 107.20 | 157.0     |
| 111.00 | 170.0     |
| 113.10 | 142.0     |
| 113.70 | 120.0     |
| 115.00 | 172.0     |
| 115.50 | 115.0     |
| 116.90 | 135.0     |
| 118.00 | 121.0     |
| 119.30 | 115.0     |
| 128.40 | 128.0     |
| 128.90 | 156.0     |
| 132.90 | 117.0     |
| 133.50 | 151.0     |
| 134.20 | 140.0     |
| 139.10 | 149.0     |
| 141.70 | 134.0     |
| 144.40 | 104.0     |
| 146.80 | 182.0     |

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB54



|        |       |
|--------|-------|
| 148.70 | 128.0 |
| 151.50 | 276.0 |
| 158.50 | 107.0 |
| 164.00 | 102.0 |
| 176.70 | 122.0 |
| 182.60 | 125.0 |
| 194.30 | 109.0 |
| 200.90 | 135.0 |
| 228.40 | 136.0 |
| 243.10 | 181.0 |
| 248.60 | 108.0 |
| 256.50 | 121.0 |
| 259.80 | 144.0 |
| 274.80 | 141.0 |
| 286.70 | 101.0 |
| 291.90 | 157.0 |

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
BFB54