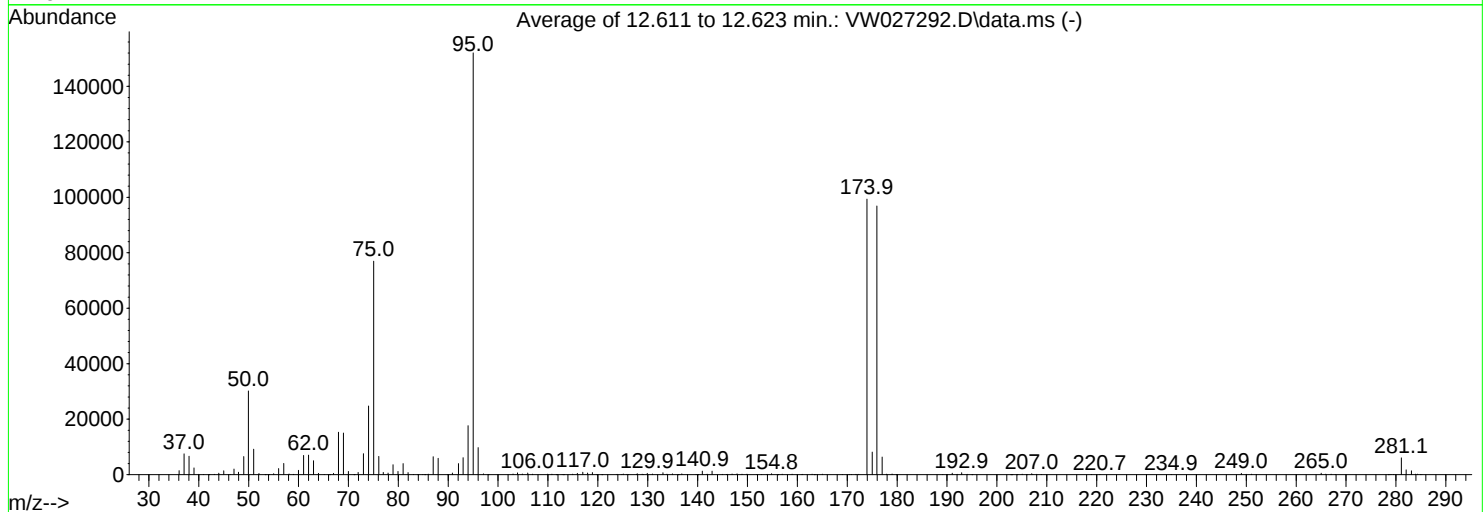
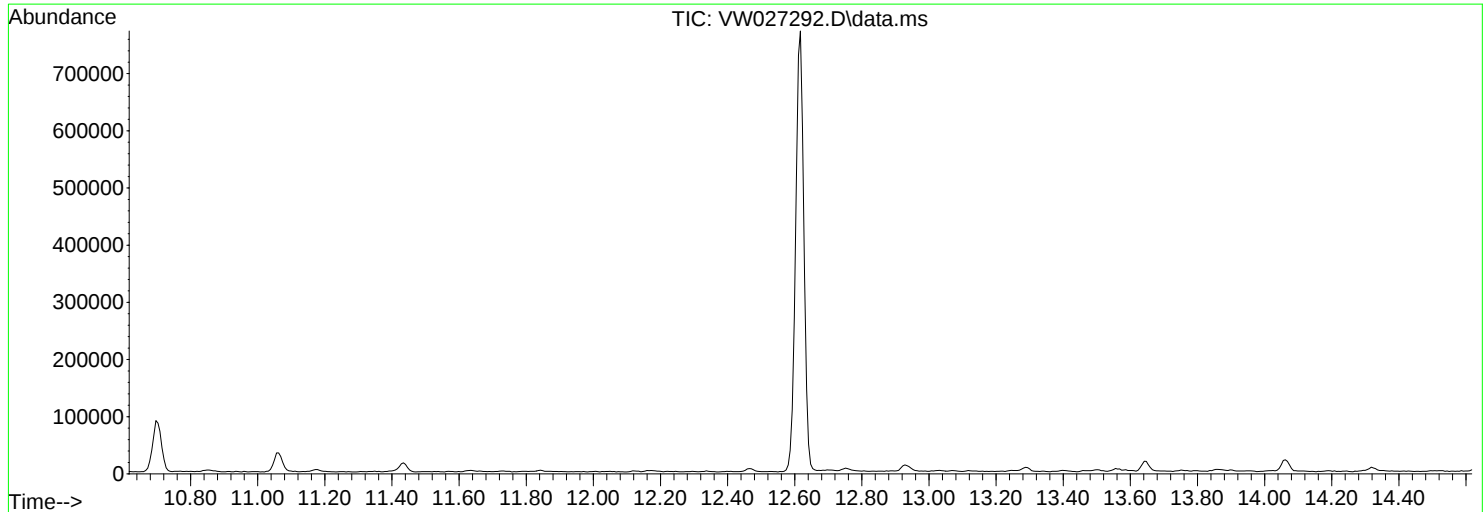


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101223\  
Data File : VW027292.D  
Acq On : 12 Oct 2023 11:26  
Operator : SY/MD  
Sample : BFB595  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

Integration File: LSCINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
Title : SFAM01.0  
Last Update : Thu Oct 12 21:57:41 2023



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

| 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              | 19.8         | 30166      | PASS                |
| 75             | 95              | 30              | 80              | 50.6         | 76957      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 152085     | PASS                |
| 96             | 95              | 5               | 9               | 6.4          | 9781       | PASS                |
| 173            | 174             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 174            | 95              | 50              | 120             | 65.3         | 99325      | PASS                |
| 175            | 174             | 5               | 9               | 8.2          | 8151       | PASS                |
| 176            | 174             | 95              | 101             | 97.5         | 96872      | PASS                |
| 177            | 176             | 5               | 9               | 6.6          | 6381       | PASS                |

| m/z    | Abundance |
|--------|-----------|
| 35.40  | 63.0      |
| 37.80  | 60.0      |
| 38.80  | 95.0      |
| 39.20  | 119.0     |
| 40.00  | 429.0     |
| 41.00  | 196.0     |
| 42.00  | 124.0     |
| 43.20  | 200.0     |
| 44.00  | 1049.0    |
| 45.10  | 62.0      |
| 49.80  | 53.0      |
| 51.00  | 74.0      |
| 52.80  | 60.0      |
| 53.60  | 64.0      |
| 55.00  | 136.0     |
| 56.30  | 85.0      |
| 56.80  | 84.0      |
| 67.00  | 71.0      |
| 69.00  | 107.0     |
| 70.10  | 56.0      |
| 71.10  | 85.0      |
| 73.10  | 92.0      |
| 76.90  | 79.0      |
| 83.10  | 82.0      |
| 84.30  | 62.0      |
| 91.30  | 117.0     |
| 96.00  | 55.0      |
| 97.10  | 60.0      |
| 108.60 | 56.0      |
| 111.30 | 69.0      |
| 117.30 | 66.0      |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

| m/z    | Abundance |
|--------|-----------|
| 35.30  | 62.0      |
| 36.10  | 1788.0    |
| 37.10  | 8599.0    |
| 38.00  | 7456.0    |
| 39.10  | 2885.0    |
| 40.10  | 575.0     |
| 40.90  | 206.0     |
| 42.00  | 111.0     |
| 43.10  | 351.0     |
| 44.00  | 1769.0    |
| 45.00  | 1838.0    |
| 46.30  | 117.0     |
| 47.00  | 2033.0    |
| 48.00  | 987.0     |
| 49.00  | 7019.0    |
| 50.00  | 33312.0   |
| 51.10  | 9696.0    |
| 52.10  | 482.0     |
| 53.30  | 63.0      |
| 55.10  | 555.0     |
| 56.00  | 2394.0    |
| 57.10  | 4323.0    |
| 58.10  | 292.0     |
| 59.00  | 195.0     |
| 60.00  | 1625.0    |
| 61.00  | 7223.0    |
| 62.00  | 7199.0    |
| 63.00  | 5345.0    |
| 64.00  | 494.0     |
| 65.10  | 59.0      |
| 66.20  | 87.0      |
| 67.10  | 539.0     |
| 68.00  | 15914.0   |
| 69.00  | 16225.0   |
| 70.00  | 1464.0    |
| 71.10  | 114.0     |
| 72.00  | 800.0     |
| 73.00  | 8729.0    |
| 74.10  | 25512.0   |
| 75.10  | 81648.0   |
| 76.10  | 7024.0    |
| 77.00  | 814.0     |
| 77.90  | 644.0     |
| 78.90  | 3845.0    |
| 79.90  | 1165.0    |
| 80.90  | 4109.0    |
| 82.00  | 724.0     |
| 83.00  | 147.0     |
| 83.90  | 68.0      |
| 85.30  | 62.0      |
| 87.00  | 6666.0    |
| 88.00  | 6222.0    |
| 90.90  | 598.0     |
| 92.00  | 4076.0    |
| 93.00  | 6203.0    |
| 94.00  | 18096.0   |
| 95.00  | 157952.0  |
| 96.00  | 10408.0   |
| 97.10  | 306.0     |
| 103.00 | 298.0     |
| 104.00 | 642.0     |
| 104.80 | 265.0     |
| 105.90 | 644.0     |
| 106.90 | 173.0     |
| 110.00 | 213.0     |
| 110.80 | 283.0     |
| 111.90 | 153.0     |
| 112.90 | 131.0     |
| 114.90 | 175.0     |
| 115.90 | 521.0     |
| 117.00 | 960.0     |
| 118.00 | 549.0     |
| 118.90 | 856.0     |
| 119.80 | 51.0      |
| 120.80 | 71.0      |
| 124.00 | 146.0     |
| 125.10 | 473.0     |
| 125.80 | 246.0     |
| 127.80 | 514.0     |
| 128.90 | 256.0     |
| 129.90 | 556.0     |
| 131.00 | 291.0     |
| 133.00 | 1230.0    |
| 133.90 | 272.0     |
| 134.90 | 295.0     |
| 136.90 | 367.0     |
| 140.00 | 74.0      |
| 141.00 | 1237.0    |
| 142.00 | 198.0     |
| 142.90 | 1152.0    |
| 144.90 | 99.0      |
| 145.80 | 213.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

|        |         |
|--------|---------|
| 147.00 | 347.0   |
| 147.90 | 243.0   |
| 148.80 | 169.0   |
| 149.90 | 255.0   |
| 152.90 | 55.0    |
| 154.00 | 79.0    |
| 154.90 | 451.0   |
| 157.00 | 155.0   |
| 159.00 | 180.0   |
| 160.90 | 200.0   |
| 163.00 | 184.0   |
| 164.00 | 99.0    |
| 165.00 | 267.0   |
| 170.50 | 113.0   |
| 171.00 | 78.0    |
| 171.70 | 192.0   |
| 173.90 | 90560.0 |
| 175.00 | 7931.0  |
| 176.00 | 98552.0 |
| 177.00 | 5614.0  |
| 177.90 | 257.0   |
| 179.00 | 378.0   |
| 179.90 | 73.0    |
| 189.10 | 129.0   |
| 189.90 | 53.0    |
| 191.00 | 887.0   |
| 192.10 | 229.0   |
| 193.00 | 1153.0  |
| 194.10 | 203.0   |
| 195.00 | 93.0    |
| 202.80 | 87.0    |
| 204.00 | 54.0    |
| 205.10 | 244.0   |
| 205.90 | 94.0    |
| 207.00 | 768.0   |
| 208.10 | 167.0   |
| 209.00 | 125.0   |
| 218.90 | 69.0    |
| 220.60 | 53.0    |
| 234.90 | 121.0   |
| 249.00 | 852.0   |
| 250.00 | 283.0   |
| 251.10 | 291.0   |
| 252.00 | 60.0    |
| 265.10 | 798.0   |
| 265.90 | 241.0   |
| 267.00 | 356.0   |
| 267.80 | 58.0    |
| 278.50 | 90.0    |
| 279.00 | 104.0   |
| 279.60 | 189.0   |
| 281.10 | 8842.0  |
| 282.10 | 2554.0  |
| 283.10 | 2618.0  |
| 284.00 | 275.0   |
| 284.40 | 328.0   |
| 284.90 | 126.0   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 1327.0    |
| 37.00  | 7925.0    |
| 38.00  | 7308.0    |
| 39.00  | 2749.0    |
| 40.00  | 530.0     |
| 41.00  | 337.0     |
| 42.10  | 150.0     |
| 43.00  | 271.0     |
| 44.10  | 1560.0    |
| 45.00  | 1394.0    |
| 46.00  | 181.0     |
| 47.00  | 2380.0    |
| 48.00  | 900.0     |
| 49.00  | 7403.0    |
| 50.00  | 33040.0   |
| 51.00  | 10223.0   |
| 52.00  | 436.0     |
| 52.90  | 68.0      |
| 53.90  | 78.0      |
| 55.00  | 524.0     |
| 56.00  | 2429.0    |
| 57.00  | 4381.0    |
| 58.10  | 194.0     |
| 59.00  | 236.0     |
| 60.00  | 1848.0    |
| 61.00  | 7622.0    |
| 62.00  | 8065.0    |
| 63.00  | 5257.0    |
| 64.00  | 553.0     |
| 65.20  | 81.0      |
| 65.90  | 68.0      |
| 67.00  | 567.0     |
| 68.00  | 17080.0   |
| 69.00  | 16464.0   |
| 70.00  | 1269.0    |
| 71.10  | 96.0      |
| 72.00  | 945.0     |
| 73.00  | 8182.0    |
| 74.00  | 27344.0   |
| 75.10  | 85128.0   |
| 76.10  | 7148.0    |
| 77.10  | 1240.0    |
| 78.00  | 731.0     |
| 79.00  | 3991.0    |
| 80.00  | 1312.0    |
| 81.00  | 4404.0    |
| 81.90  | 887.0     |
| 83.10  | 99.0      |
| 84.90  | 59.0      |
| 86.10  | 273.0     |
| 87.00  | 7320.0    |
| 88.00  | 6347.0    |
| 89.90  | 53.0      |
| 90.80  | 638.0     |
| 92.10  | 4406.0    |
| 93.00  | 6982.0    |
| 94.00  | 19160.0   |
| 95.00  | 166528.0  |
| 96.10  | 10333.0   |
| 97.00  | 421.0     |
| 103.00 | 224.0     |
| 103.90 | 711.0     |
| 104.90 | 224.0     |
| 106.00 | 619.0     |
| 106.90 | 213.0     |
| 110.00 | 159.0     |
| 110.80 | 164.0     |
| 112.00 | 70.0      |
| 112.80 | 130.0     |
| 114.90 | 221.0     |
| 115.90 | 557.0     |
| 117.00 | 933.0     |
| 117.90 | 593.0     |
| 118.90 | 839.0     |
| 123.80 | 137.0     |
| 124.80 | 223.0     |
| 125.20 | 179.0     |
| 126.20 | 125.0     |
| 128.00 | 518.0     |
| 128.90 | 330.0     |
| 129.90 | 537.0     |
| 130.90 | 245.0     |
| 133.10 | 621.0     |
| 133.90 | 157.0     |
| 135.00 | 364.0     |
| 136.10 | 58.0      |
| 136.90 | 243.0     |
| 138.00 | 54.0      |
| 141.00 | 1379.0    |
| 141.90 | 234.0     |
| 142.90 | 1364.0    |
| 144.90 | 140.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

|        |          |
|--------|----------|
| 146.00 | 225.0    |
| 146.90 | 151.0    |
| 147.90 | 418.0    |
| 148.90 | 187.0    |
| 149.90 | 156.0    |
| 151.90 | 103.0    |
| 152.80 | 90.0     |
| 153.90 | 98.0     |
| 154.80 | 322.0    |
| 156.10 | 76.0     |
| 156.90 | 187.0    |
| 159.00 | 267.0    |
| 161.10 | 170.0    |
| 162.90 | 245.0    |
| 163.40 | 54.0     |
| 165.00 | 108.0    |
| 169.00 | 74.0     |
| 170.30 | 73.0     |
| 170.80 | 121.0    |
| 171.80 | 180.0    |
| 174.00 | 111296.0 |
| 175.00 | 9134.0   |
| 176.00 | 107096.0 |
| 177.00 | 7061.0   |
| 177.90 | 182.0    |
| 179.00 | 222.0    |
| 189.20 | 68.0     |
| 191.10 | 514.0    |
| 191.90 | 86.0     |
| 192.90 | 727.0    |
| 194.00 | 175.0    |
| 203.00 | 86.0     |
| 205.00 | 147.0    |
| 207.00 | 380.0    |
| 207.90 | 109.0    |
| 208.80 | 124.0    |
| 219.00 | 51.0     |
| 220.70 | 70.0     |
| 235.00 | 51.0     |
| 249.00 | 434.0    |
| 250.00 | 166.0    |
| 251.10 | 204.0    |
| 252.10 | 53.0     |
| 265.00 | 459.0    |
| 266.00 | 246.0    |
| 266.90 | 117.0    |
| 267.90 | 55.0     |
| 279.50 | 66.0     |
| 281.10 | 6896.0   |
| 282.00 | 1844.0   |
| 283.10 | 1126.0   |
| 283.90 | 207.0    |
| 284.30 | 129.0    |
| 285.20 | 121.0    |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

| m/z    | Abundance |
|--------|-----------|
| 36.00  | 1183.0    |
| 37.10  | 6041.0    |
| 38.10  | 5063.0    |
| 39.00  | 2073.0    |
| 40.00  | 552.0     |
| 41.00  | 176.0     |
| 42.00  | 171.0     |
| 43.10  | 285.0     |
| 44.00  | 1461.0    |
| 45.00  | 1045.0    |
| 47.10  | 1731.0    |
| 47.90  | 748.0     |
| 49.00  | 5229.0    |
| 50.00  | 24304.0   |
| 51.00  | 7902.0    |
| 52.10  | 341.0     |
| 52.90  | 94.0      |
| 54.10  | 95.0      |
| 55.00  | 417.0     |
| 56.00  | 1744.0    |
| 57.00  | 3414.0    |
| 58.00  | 150.0     |
| 60.00  | 1266.0    |
| 61.00  | 5906.0    |
| 62.00  | 5914.0    |
| 63.00  | 4477.0    |
| 64.00  | 346.0     |
| 65.20  | 87.0      |
| 66.00  | 75.0      |
| 67.10  | 519.0     |
| 68.00  | 12839.0   |
| 69.00  | 12704.0   |
| 70.00  | 917.0     |
| 71.20  | 129.0     |
| 71.90  | 772.0     |
| 73.00  | 6008.0    |
| 74.10  | 21392.0   |
| 75.00  | 64096.0   |
| 76.10  | 5591.0    |
| 77.00  | 605.0     |
| 77.90  | 429.0     |
| 78.90  | 2847.0    |
| 80.00  | 911.0     |
| 80.90  | 3395.0    |
| 81.90  | 665.0     |
| 83.00  | 122.0     |
| 84.90  | 67.0      |
| 85.90  | 213.0     |
| 87.00  | 5484.0    |
| 88.00  | 5027.0    |
| 90.90  | 460.0     |
| 92.00  | 3514.0    |
| 93.00  | 5174.0    |
| 94.00  | 15697.0   |
| 95.00  | 131776.0  |
| 96.10  | 8767.0    |
| 97.00  | 332.0     |
| 98.00  | 94.0      |
| 103.00 | 122.0     |
| 103.80 | 472.0     |
| 104.90 | 231.0     |
| 105.90 | 440.0     |
| 106.90 | 113.0     |
| 109.80 | 89.0      |
| 110.80 | 62.0      |
| 111.70 | 87.0      |
| 113.10 | 82.0      |
| 115.00 | 155.0     |
| 115.90 | 338.0     |
| 117.00 | 754.0     |
| 117.90 | 549.0     |
| 118.80 | 559.0     |
| 123.80 | 129.0     |
| 125.00 | 138.0     |
| 125.90 | 104.0     |
| 127.90 | 342.0     |
| 129.10 | 256.0     |
| 129.90 | 374.0     |
| 130.90 | 204.0     |
| 133.00 | 245.0     |
| 133.70 | 64.0      |
| 134.90 | 225.0     |
| 136.80 | 249.0     |
| 137.90 | 55.0      |
| 139.70 | 99.0      |
| 140.90 | 1228.0    |
| 141.80 | 154.0     |
| 142.90 | 1287.0    |
| 145.00 | 99.0      |
| 145.90 | 205.0     |
| 146.80 | 132.0     |
| 147.90 | 296.0     |

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFB595

|        |         |
|--------|---------|
| 149.00 | 123.0   |
| 149.90 | 146.0   |
| 151.90 | 69.0    |
| 152.80 | 58.0    |
| 153.90 | 149.0   |
| 154.90 | 289.0   |
| 157.00 | 224.0   |
| 158.90 | 154.0   |
| 161.00 | 179.0   |
| 162.80 | 78.0    |
| 165.00 | 129.0   |
| 169.00 | 61.0    |
| 170.70 | 81.0    |
| 172.30 | 353.0   |
| 174.00 | 96120.0 |
| 175.00 | 7389.0  |
| 175.90 | 84968.0 |
| 177.00 | 6468.0  |
| 177.90 | 165.0   |
| 179.00 | 64.0    |
| 191.00 | 194.0   |
| 192.90 | 227.0   |
| 205.10 | 98.0    |
| 207.20 | 209.0   |
| 208.10 | 64.0    |
| 248.90 | 197.0   |
| 250.90 | 74.0    |
| 264.90 | 300.0   |
| 281.00 | 2379.0  |
| 282.00 | 766.0   |
| 283.00 | 383.0   |
| 284.00 | 83.0    |

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
BFB595