

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111323\  
 Data File : VW032933.D  
 Acq On : 13 Nov 2023 15:51  
 Operator : SY/MD  
 Sample : 05326-02DL 20X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 14 00:19:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 13 23:16:30 2023  
 Response via : Initial Calibration

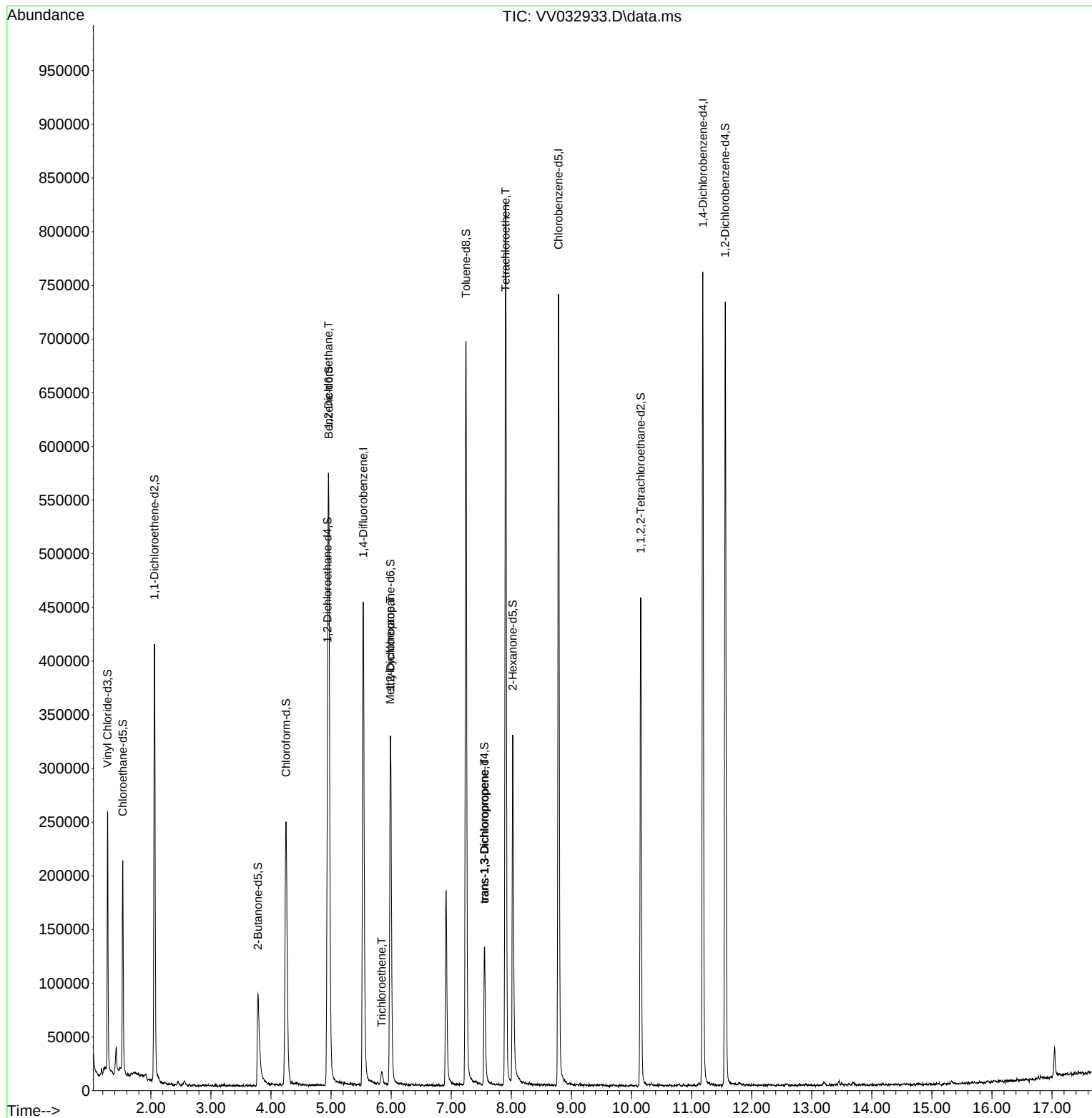
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 402271   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 402293   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 194254   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 153092   | 44.997   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 90.000%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 129137   | 45.811   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.620%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 67330    | 45.421   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.840%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 133842   | 91.775   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 91.780%  |
| 24) Chloroform-d              | 4.249   | 84    | 263073   | 44.758   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.520%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 166778   | 46.633   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.260%  |
| 32) Benzene-d6                | 4.960   | 84    | 514750   | 46.914   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.820%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 153274   | 48.059   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.120%  |
| 41) Toluene-d8                | 7.246   | 98    | 461307   | 45.602   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.200%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 75164    | 44.394   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.780%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 111472   | 95.405   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 95.410%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152  | 84    | 206132   | 44.121   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 88.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 189124   | 50.105   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.220% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 27) 1,2-Dichloroethane        | 4.957   | 62    | 3449     | 0.823    | ug/L   | 98       |
| 34) Trichloroethene           | 5.841   | 95    | 4151     | 1.398    | ug/L   | 86       |
| 35) Methylcyclohexane         | 5.985   | 83    | 39698    | 8.871    | ug/L # | 20       |
| 44) trans-1,3-Dichloropropene | 7.554   | 75    | 3361     | 0.762    | ug/L # | 59       |
| 46) Tetrachloroethene         | 7.905   | 164   | 177315   | 69.414   | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

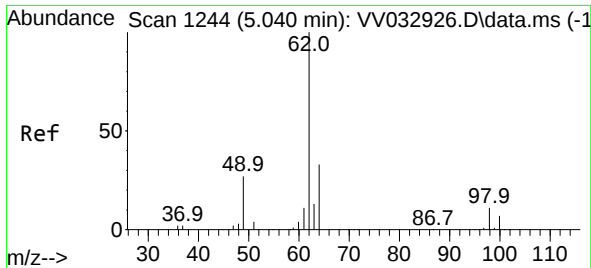
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111323\  
Data File : VV032933.D  
Acq On : 13 Nov 2023 15:51  
Operator : SY/MD  
Sample : 05326-02DL 20X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 14 00:19:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Nov 13 23:16:30 2023  
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 0.823 ug/L

RT: 4.957 min Scan# 1

Delta R.T. -0.084 min

Lab File: VV032933.D

Acq: 13 Nov 2023 15:51

Instrument :

MSVOA\_V

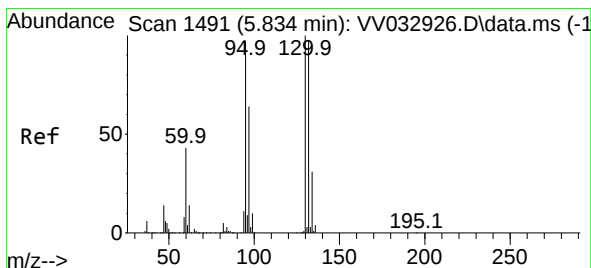
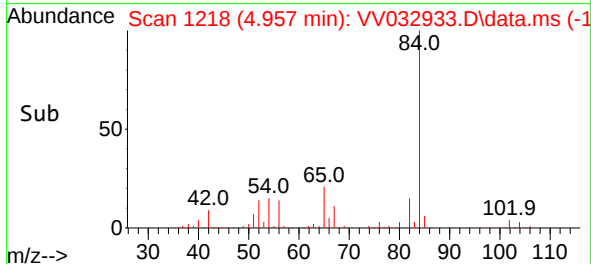
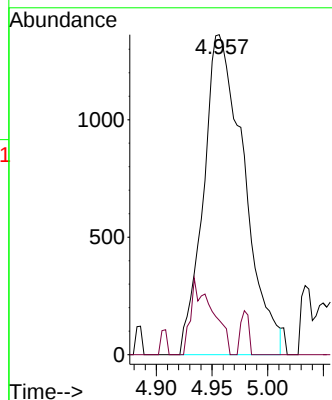
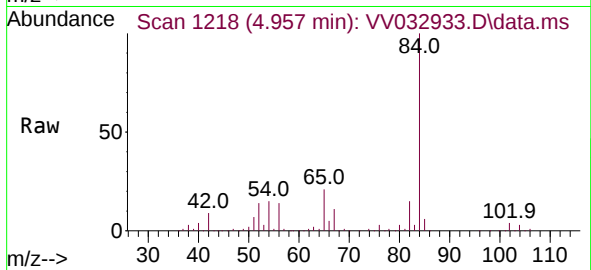
ClientSampleId :

Tgt Ion: 62 Resp: 3449

Ion Ratio Lower Upper

62 100

98 10.7 8.0 12.0



#34

Trichloroethene

Concen: 1.398 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV032933.D

Acq: 13 Nov 2023 15:51

Tgt Ion: 95 Resp: 4151

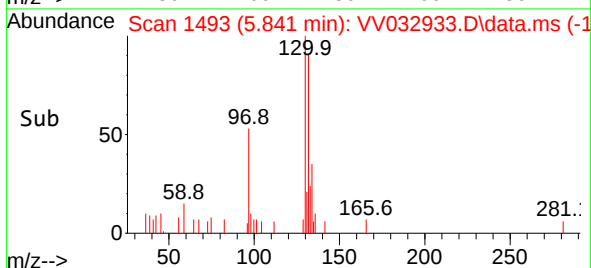
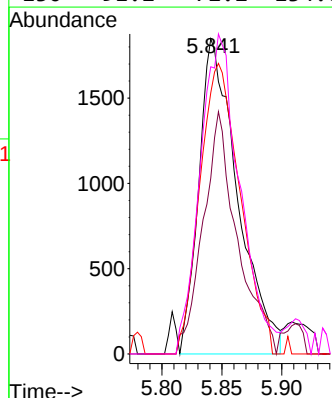
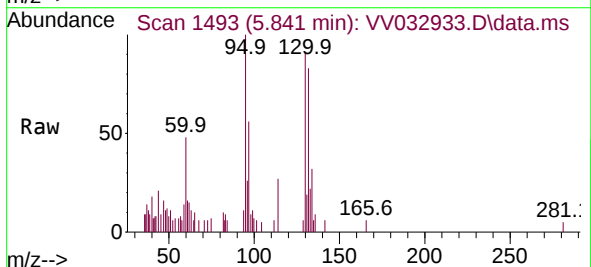
Ion Ratio Lower Upper

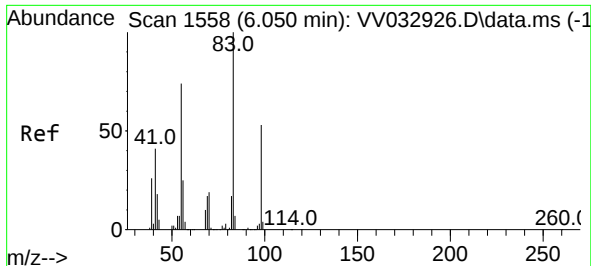
95 100

97 55.8 45.7 84.9

132 82.9 70.0 130.0

130 91.2 72.2 134.0





#35

Methylcyclohexane

Concen: 8.871 ug/L

RT: 5.985 min Scan# 1

Delta R.T. -0.064 min

Lab File: VV032933.D

Acq: 13 Nov 2023 15:51

Instrument :

MSVOA\_V

ClientSampleId :

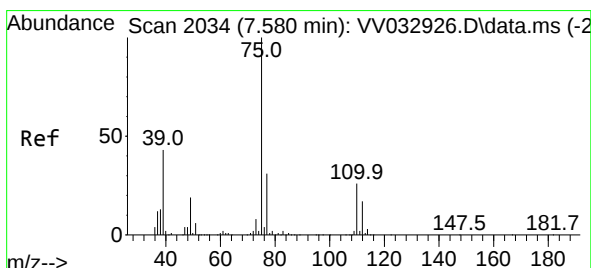
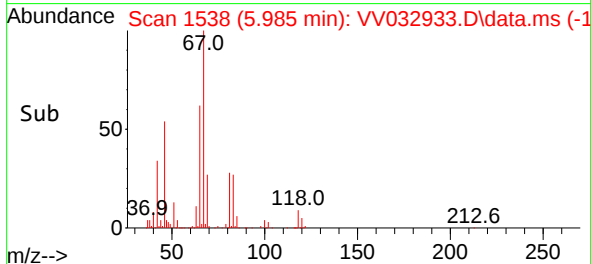
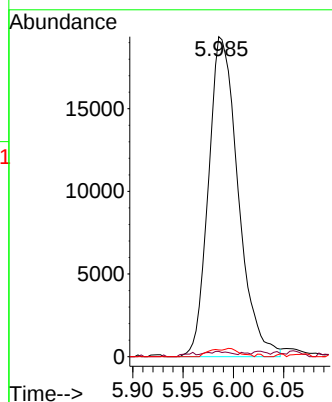
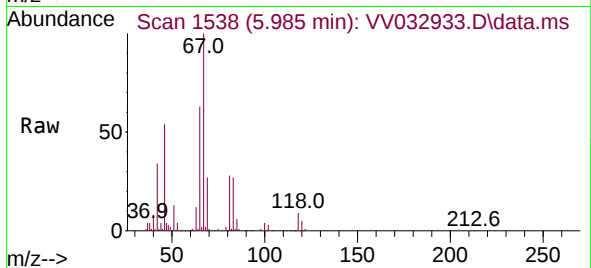
Tgt Ion: 83 Resp: 39698

Ion Ratio Lower Upper

83 100

55 0.1 57.5 86.3#

98 1.2 41.0 61.4#



#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 7.554 min Scan# 2026

Delta R.T. -0.026 min

Lab File: VV032933.D

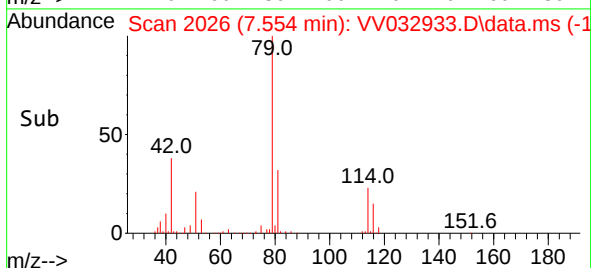
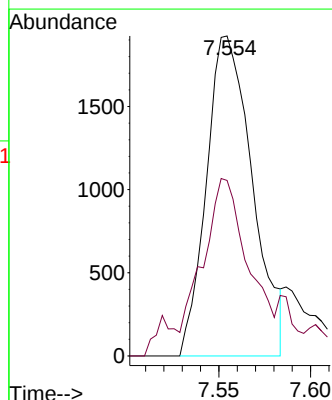
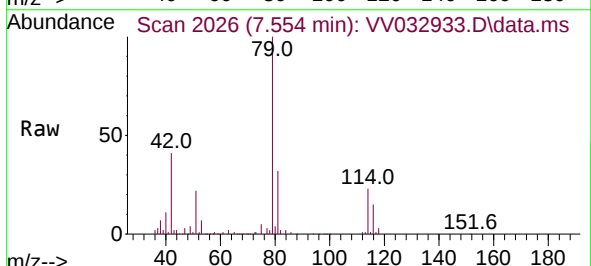
Acq: 13 Nov 2023 15:51

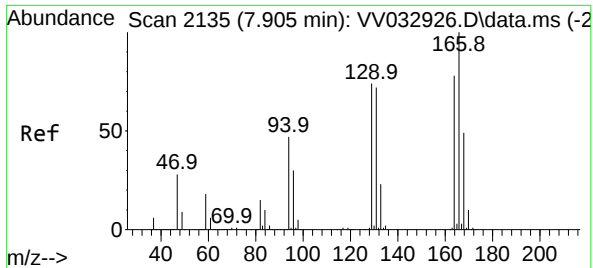
Tgt Ion: 75 Resp: 3361

Ion Ratio Lower Upper

75 100

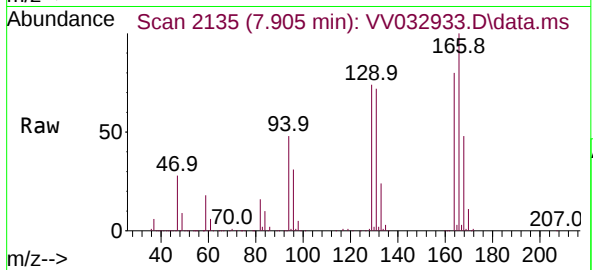
77 54.8 22.3 41.3#





#46  
 Tetrachloroethene  
 Concen: 69.414 ug/L  
 RT: 7.905 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV032933.D  
 Acq: 13 Nov 2023 15:51

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 177315 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.0  | 64.2  | 119.2  |
| 131      | 90.5  | 63.5  | 117.9  |
| 166      | 124.9 | 87.7  | 162.9  |

