How to use the msd\_to\_csv.py script

eg. In a command prompt on a PC with python (2.7.18) installed type:

***python .\msd\_to\_csv.py .\[FILE NAME].msd -f torr -s 0.00139694 -g 250 –p 0.94***

***python .\msd\_to\_csv.py .\DataStorageTest.msd -f torr -s 0.00139694 -g 250 –p 0.94***

**-f** flag specifies the format in: **torr, pa, mbar, partialpressure, concentration or current** (default and no calculation is performed on the data)

**-s** flag specifies the Sensitivity Constant specific to the instrument (default script value is 1), recommend using the instrument specific value. Sensitivity for Nitrogen at Mass 28 in Amps/Torr (from an instrument calibration). Retrieve from instrument at:

http://[IP ADDRESS]/mmsp/sensorIonSource/ppSensitivityFactor/get

eg. output:

{"data":0.00139694,"name":"got","origin":"/mmsp/sensorIonSource/ppSensitivityFactor"}

**-g** specifies the Fragmentation Factor (default script value is 1), recommend using the instrument specific value. Retrieve from instrument at:

http://[IP ADDRESS]/mmsp/sensorIonSource/ppLinConst1/get

eg. Output:

{"data":250,"name":"got","origin":"/mmsp/sensorIonSource/ppLinConst1"}

Use the value: 250

**-p** specifies the Ionization Probability for the gas (default script value is 0.94, the value for N2), recommend using the default