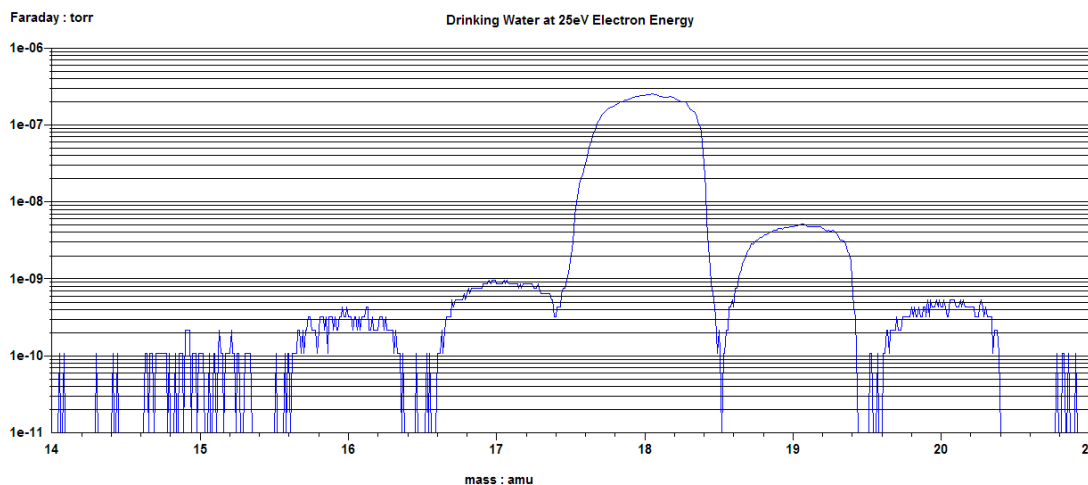
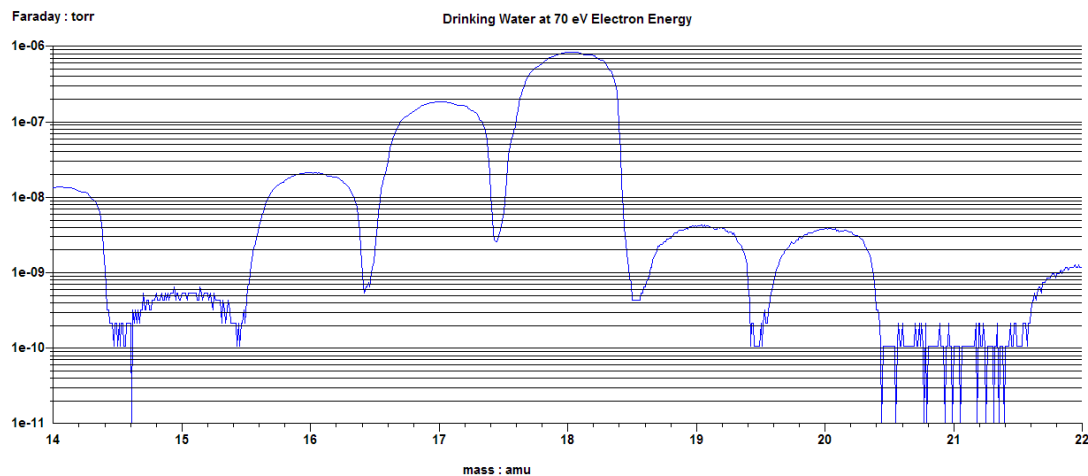


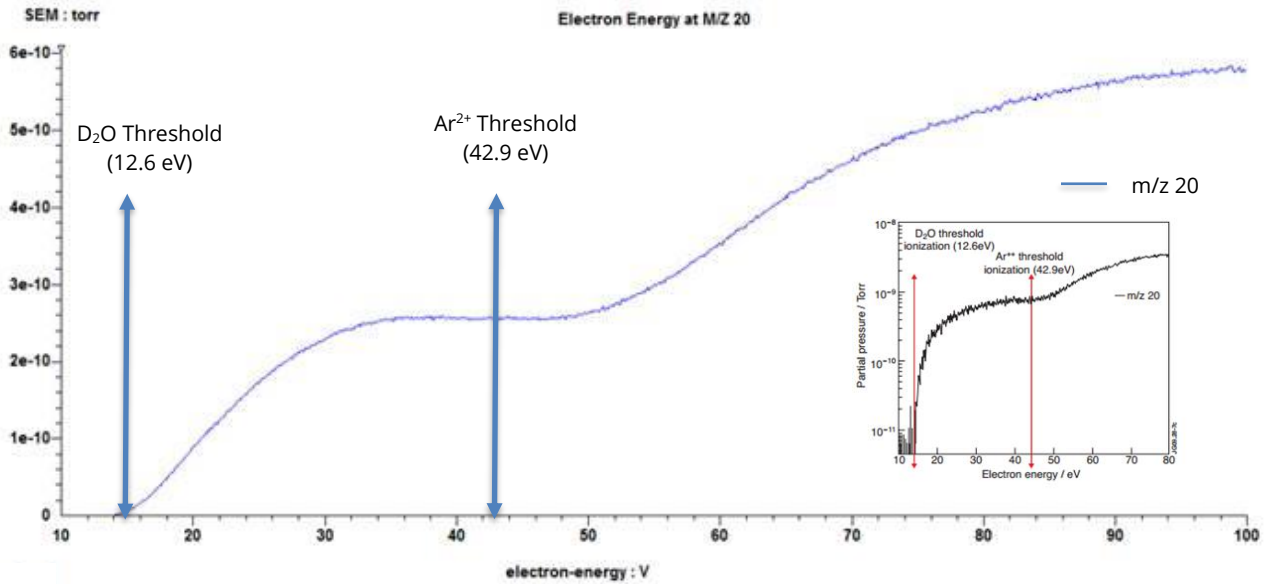
Gas
Performance Data Sheet PDS-30007

Detection of D₂O in H₂O

Detection of D₂O at 150 ppm in drinking water using Hidden Analytical HPR-40 Membrane Inlet Mass Spectrometer.

- Detection of D₂O from drinking water using Hidden Analytical HPR-40 Membrane Inlet Mass Spectrometer.
- TIMS (Threshold Ionisation Mass Spectrometry) was ideal to distinguish between signal from D₂O and Ar²⁺, both apparent at 20 amu.





- Electron energy scans clearly show the value of TMS in separating D₂O in this application.
- Below the appearance potential for Ar²⁺ (42.9 eV) the signal at m/z 20 is solely from D₂O.