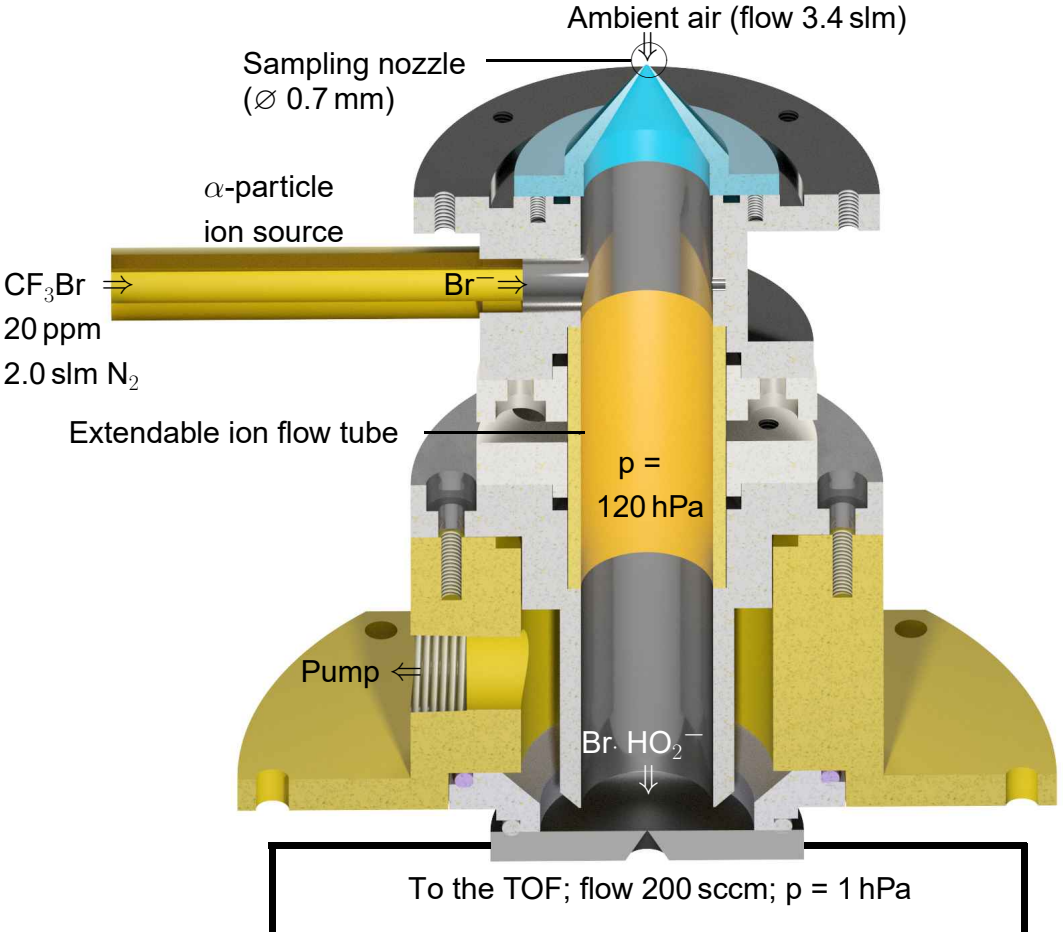
Ambient air (flow 3.4 slm)
Sampling nozzle
(∅ 0.7 mm)
α-particle
ion source
CF3Br ⇒
20 ppm
2.0 slm N2
Br⁻ ⇒
Extendable ion flow tube
p =
120 hPa
Pump ⇐
Br· HO2⁻
To the TOF; flow 200 sccm; p = 1 hPa