

Gas Analysis
Performance Data Sheet PDS-300013

Detection of Xe in air

Xenon is present at 90 ppb in air with 3 major peaks (129, 131 and 132 m/z) which are about 30 ppb each. We were able to detect the isotope at 130 m/z which is 15% of the peak at 132 m/z, corresponding to 4.5 ppb.

The instrument for the detection of Xenon in air is an HPR-20 R&D, with a 300 amu RF head, standard flow capillary and an open source.

The scan has been carried out using the SEM detector calibrated at 127 amu with 200% dwell time and the 'Mean' option selected. The pressure of the instrument has been increased to 5×10^{-5} mbar.

