

**SILVIA QUEIPO ABAD**  
*PhD Student at the University of Oviedo*



**Academic Studies**

BSc in Chemistry, University of Oviedo (2010)

MSc in Analytical and Bioanalytical Sciences, University of Oviedo (2012)

MSc in Analytical Sciences for Life and Environment, Université de Pau et des Pays de l'Adour ,  
France (2012)

**Professional Experience**

Internship HC Energia, Aboño (Gijón-Asturias) (2010-2011)

Master research stay LCABIE (Laboratoire de Chimie Analytique Bio-inorganique et Environnement), Pau,  
France (2012)

Pre-doctoral assistant researcher Faculty of Chemistry, University of Oviedo (2012-2013)

PhD Student at the University of Oviedo from 2013 until now

**Contact**

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Oviedo. Julián Clavería, 8, 33006, Oviedo, Spain.

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**Research topics**

**Research Lines:**

-Determination of Hg species by isotope dilution analysis with multiple tracers in clinical and  
food samples using gas chromatography (Agilent 6890N) coupled to ICP-MS (Agilent 7500ce)

-Determination of butyltin species by isotope dilution analysis in fish samples using gas  
chromatography (Agilent 6890N) coupled to ICP-MS (Agilent 7500ce)

- Determination of Cr species by isotope dilution analysis with multiple tracers in soil and toys using liquid chromatography (Dionex DX-120) coupled to ICP-MS.
- Determination of total Fe content by isotope dilution analysis in digested solutions of plants and cell cultures using ELEMENT 2 ICP-MS (Thermo Scientific)
- Measurement of isotopic ratios to determine isotope signature of Hg using MC-ICP-MS coupled to gas chromatography (Neptune Plus HR Multicollector).

Mass Spectrometry Experience:

**Mass Spectrometers:** Quadrupole (Q), Double Focusing Sector Field (SF), Double Focusing Multicollector (MC)

**Ionization Sources:** Inductively Coupled Plasma (ICP)

**Sample introduction and/or separation techniques:** Liquid and Gas Chromatography.

**Fields:** clinical and toxicological analysis, food analysis and environmental analysis.