

### Liquid Chromatograph – Mass Spectrometry (HPLC-TQ)

A chromatograph (Shimadzu, Nexera X2 series) with tandem mass spectrometric detection (triple quadrupole with a linear ion trap; SCIEX, QTRAP 6500+) is suitable for the trace analysis of organic micropollutants.

#### Usage/Services:

Quantitative determination of following analytes:

- Pharmaceuticals from the group of analgesics, antihypertensives, antibiotics, beta blockers, as well as caffeine and its metabolites
- biogenic amines
- a wide range of pesticides.

New method development for new drug groups possible after consultation with analysts.

Many analytical columns are also available in the lab, especially for chromatography on reverse phases, but also in HILIC mode and others.

