

Details

Mass spectrometry analyses, University of Leipzig, faculty of chemistry and mineralogy (MS-UL)

The MS-UL is the core facility for mass spectrometry at the Faculty of Chemistry and Mineralogy of the University of Leipzig with decades of tradition and profound experience in this field. In our center, the configuration and set-up of large-scale equipment is sustainably implemented by experienced specialists. We run and supervise the organization of the mass spectrometric measurement operation of the entire faculty, including the expert support of decentrally set-up systems.

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04103 Leipzig
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[To website](#)

Host Institution

Universität Leipzig
Ritterstr. 26
04109 Leipzig
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<http://www.zv.uni-leipzig.de/en/>

Scientific Domain

Primary Subjects:

- Chemistry

Secondary Subjects:

- Biology
- Medicine
- Agriculture, Forestry, Horticulture and Veterinary Medicine
- Physics
- Materials Science and Engineering

Category

Analytical Facilities

Scientific Services

In addition to ultra-high resolution for accurate mass determination, our equipment comprises mass spectrometers that enable many different MS techniques. These include various ionization techniques such as electrospray ionization, electron impact ionization and matrix-assisted laser desorption/ionization as well as coupling high-performance separation techniques such as liquid and gas chromatography and many more. Due to the broad portfolio, a wide variety of applications can be offered on request. On agreement, anyone can make use of the services of the analytical center to a varying extent; details of the utilization concepts and the current organization of the center are described on our website.

Scientific Equipment

- UHPLC-DAD
- LC-ESI/APCI Triple Quad
- LC-ESI Iontrap
- UHPLC-ESI/APCI-QTOF
- MALDI-TOF
- GC EI/CI sector field
- Thermal desorption 2D-GC EI Triple Quad

- Headspace GC EI Quadrupol
- Mobile GC-MS

Keywords

- organic mass spectrometry
- APCI
- EI direct probe
- ESI FIA
- GCMS
- LCMS, LC MS/MS
- MALDI
- Headspace
- Thermal desorption
- mobile GC-MS

Networks

Users per annum

Internal Users: 20
External Users in total: 15
External Users: 20
External Users in the EU: 2
External Users outside of EU: