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### DeltaMS - A Convenient tool to track isotopologues <u>Tim Baumeister<sup>1</sup>, Nico Ueberschaar<sup>2</sup>, Wolfgang Schmidt-Heck<sup>3</sup>, Jan-Frieder Mohr<sup>2</sup>,</u> Michael Deicke<sup>2</sup>, Thomas Wichard<sup>2</sup>, Reinhard Guthke<sup>3</sup>, Georg Pohnert<sup>1,2</sup> <sup>1</sup>Max Planck Institute for Chemical Ecology, Jena, Germany <sup>2</sup>Friedrich Schiller University, Institute of Inorganic and Analytical Chemistry, Jena, Germany <sup>3</sup>Leibniz Institute for Natural Product Resarch and Infection Biology, Department of Systems in GC/LC MS data Biology and Bioinformatics, Jena, Germany Contact: tbaumeister@ice.mpg.de

# **DeltaMS Interface**

[5] shiny: Web Application Framework for R. R package version 1.0.0, Chang, W. et al. 2017.



experimental approaches.

mzdiff = *RTwindow* = 12 s

### Results

spiked fungi extracts.

We designed a user-friendly app for detection of isotopologues in GC/LC-MS data





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## Conclusion

- Reliable isotopologue recognition
- User-friendly interface
- Open-source R based