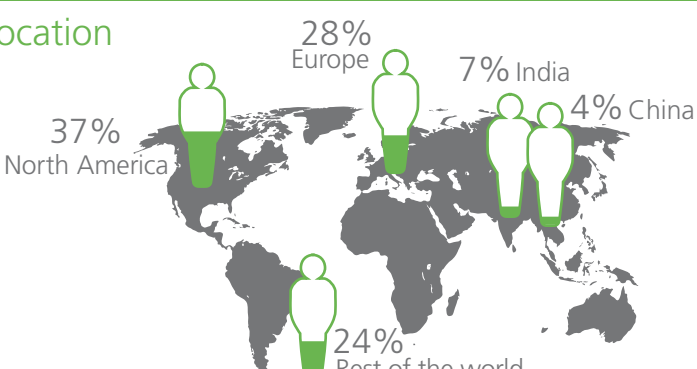


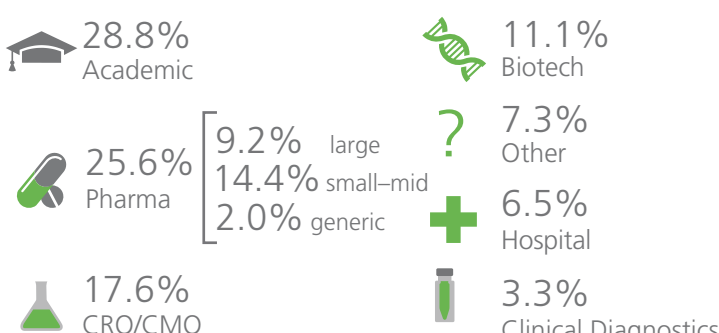
LC-MS is used in the pharmaceutical industry to provide quantitative measurements of an active drug and its metabolites to generate accurate PK/PD, toxicokinetic and bioequivalence data, which are fundamental to the drug development process. The technique is also used for the analysis of biological matrices in a number of other fields (e.g., sports doping, forensic toxicology). LC-MS is currently the 'go to' method for small molecule bioanalysis due to its sensitivity, selectivity, dynamic range and robustness. It is also increasingly being used for the analysis of biopharmaceuticals. LC-MS analysis is constantly developing alongside technological advancements such as HRMS, microflow LC and DBS. We carried out a survey to uncover how you use this technique, and to find out your views on the future of LC-MS.

About the respondents

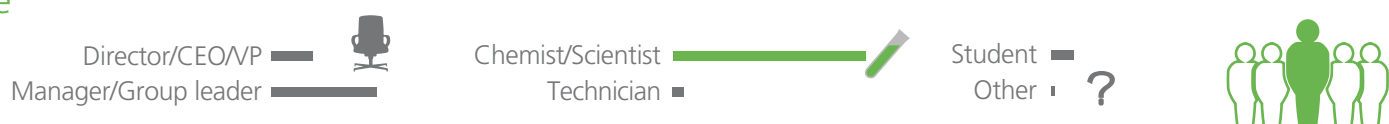
Location



Employer



Role

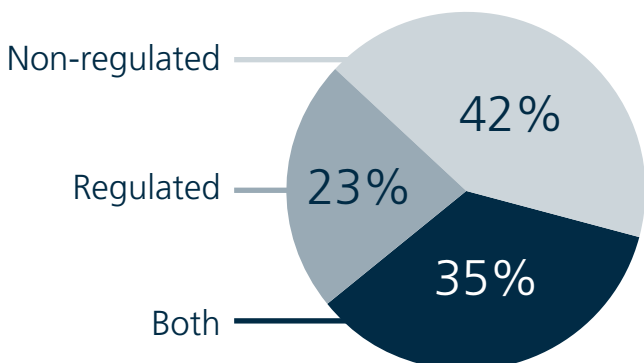


LC-MS in your laboratory

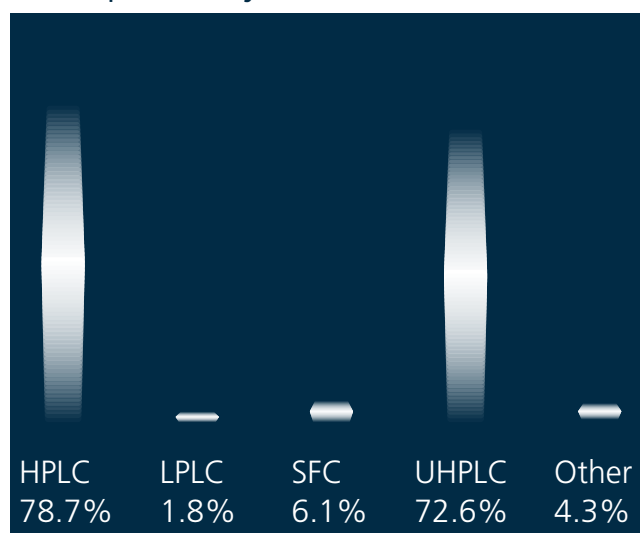
In which fields do you use LC-MS?



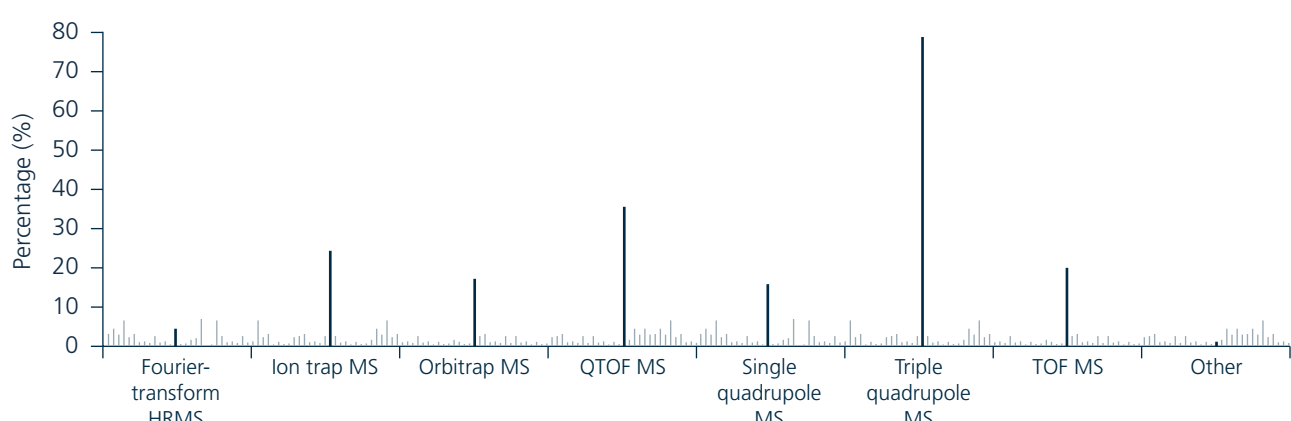
Is your LC-MS work:



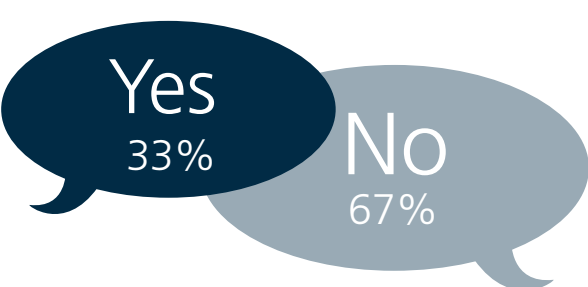
Which of the following chromatography techniques do you use?



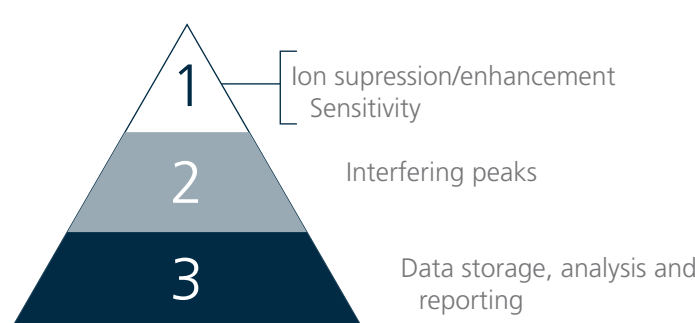
Which of the following MS technologies do you use?



Do you use generic LC-MS methods?

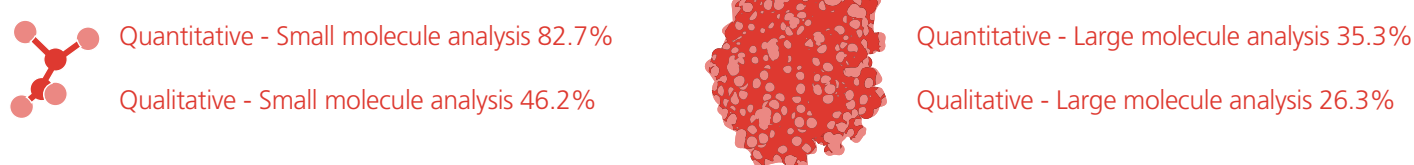


What are the top 3 challenges of LC-MS assays?

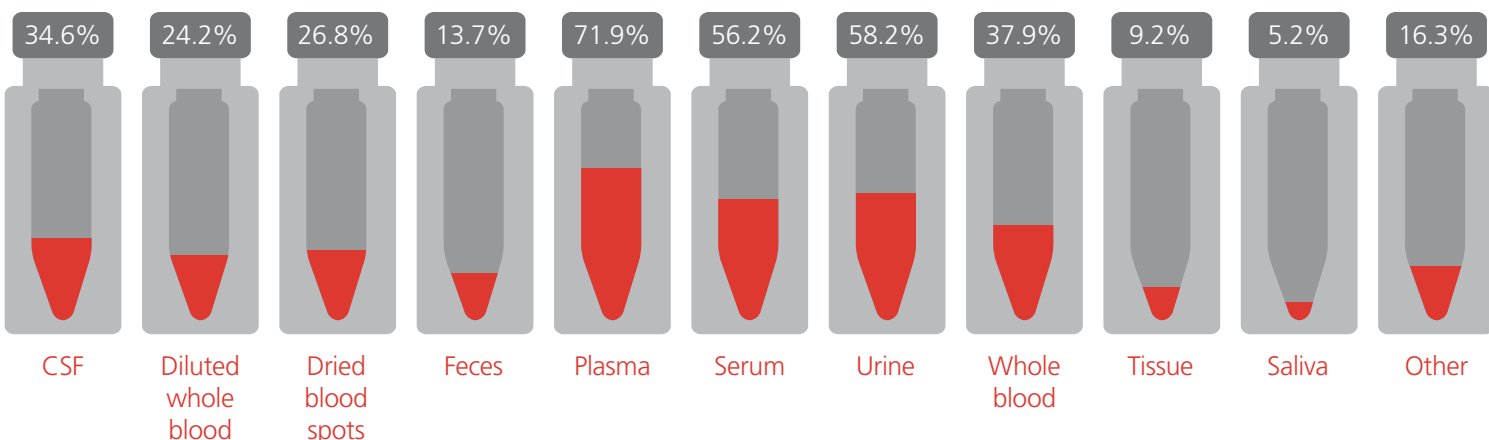


Analytes and matrices

What type of analysis do you use LC-MS for?

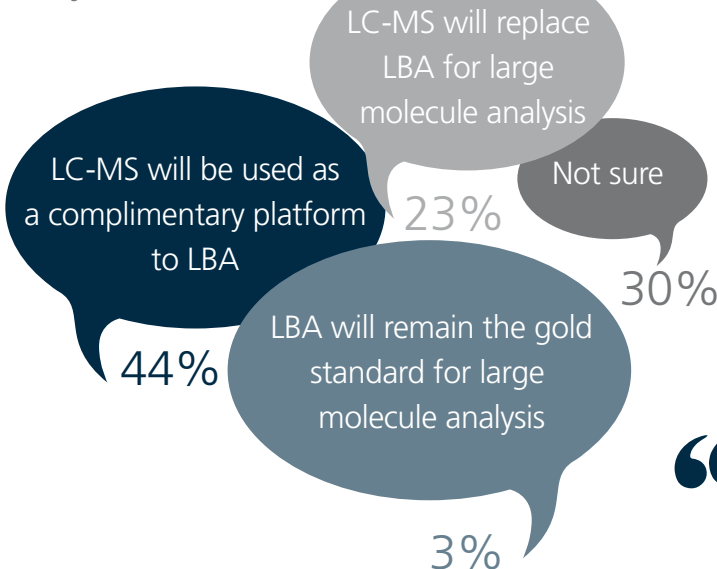


Which matrices do you work with?

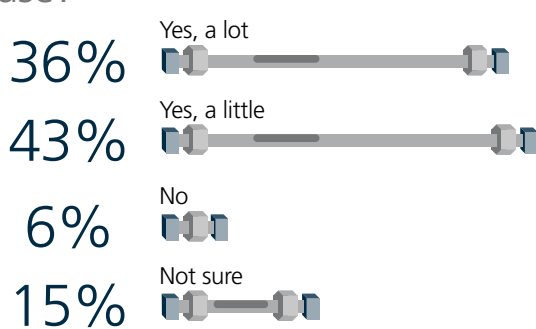


Future of LC-MS

Do you believe...



Do you believe the use of low flow LC (micro and nano flow) will continue to increase?



What are your predictions for the future of LC-MS?

" Instruments should get smaller, easier to use and more sensitive. However, all should remember that LC-MS by its nature is more data rich than LBA, therefore data will always take longer to analyze and interpret. "

" The use of HRMS will continue to grow. Instrument sensitivity will also improve, which will allow smaller sample sizes to be used, more analytes to be included in a single method, and improved throughput due to the requirement of less sample prep. "

Read more articles and analysis on LC-MS

at www.bioanalysis-zone.com

Find out what our experts think about the results

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