

Trainers:

**Dr Vaughan Langford**

Principal Scientist  
Syft Technologies



**Dr Mark Perkins**

Senior Applications Chemist  
Anatune Ltd



## DETAILS

It will be held at the Hotel Felix, Cambridge with demonstrations taking place in the Anatune applications laboratory.

The course will cost £1,595 and includes accommodation and food at the venue.

Book before November for a 20% early bird discount

## BOOK NOW

Email us on [enquiries@anatune.co.uk](mailto:enquiries@anatune.co.uk)

or call us on: **+44 (0)1223 279210.**

## Day 1

### ***SIFT-MS Ion Chemistry***

- Semi-technical overview of SIFT-MS
- The ion chemistry of SIFT-MS: mechanisms, trends, implications
- An introduction to adding compounds to the library
- Compound identification principles

## Day 2

### ***SIFT-MS Application and Method Development***

- Principles of SIFT-MS application development
- Method development: principles, tips, exercises

## Day 3

### ***SIFT-MS Quantitation and Validation***

- Introduction to how SIFT-MS quantifies
- Justification of the absolute quantitation approach (kinetics)
- Advanced aspects of quantitation, including reagent ion attenuation
- Limits of detection and quantitation in SIFT-MS
- Method validation
- Calibration approaches

## Day 4

### ***SIFT-MS Best Practices, Data Processing and Evaluation***

- Best practices: instrument performance and sample introduction
- What can and can't I do with SIFT-MS?
- Evaluating SIFT-MS data
- Multivariate statistical processing of SIFT-MS data
- Case study: paperboard odour

## Day 5

### ***Automated SIFT-MS: A Masterclass***

- Headspace-SIFT-MS methods and best practices
- Calibration options on the automated platform
- Method validation approach with SIFT-MS (example demo(s))
- Adding compounds to the library the automated way
- TD-SIFT-MS demo to close