



Customised Agilent GC/MS Remote Training

Trainers: Gary Rawlinson/Alan Lewis

Pre-Course Requisites

- A good understanding of analytical chemistry and terminology is required.
- The instrument, PC and software must be fully functional.
- Remote access to instrument PC (recommend [TeamViewer](#)).

The course is designed for a client (1 - 4 candidates) who has recently purchased a new/used GC/MS, but is open to all, including clients who require refresher training.

Objectives

To introduce delegates to the basic principles and practices of gas chromatography/mass spectrometry relevant to the instrument they have. To understand how the individual elements interrelate.

Also, the theory & practical understanding of:

- Automation
- Injection process
- Columns
- Carrier gas
- Electron impact mass spectrometry
- Data acquisition
- Calibration options
- Library searching
- Software reporting
- Instrument maintenance and responsibilities of clients, external support, and manufacturers

All based on Agilent's single quadrupole series instrument.

Session	Time (hrs)	Description
1	1	Instrument overview and possibilities
2	2	Basic injector and detector theory
3	1	Instrument maintenance (injector & detector)
4	1	Tuning and acquisition
5	1	Acquiring data (manual & automation)
6	2	Qualitative analysis and reporting
7	4	Quantitative analysis and reporting
8	1	Unknowns' analysis
9	1	Libraries and library editor
Total	14	

As the course is based on remote learning the scheduling of the modules are at the client's pace of learning and convenience of access to the instrument and PC. We typically recommend the whole course is taken between 2- 6 weeks to enable optimisation of the learning process.

A certificate for taking part and completing the modules will be issued. For a pass mark of 75% or more a certificate of distinction will be issued.

On completion of the course all successful candidates are sent an adobe certificate.