

## 2024 Scheduled Training Course Calendar

Independent experts providing training and consultancy in the analytical science fields of **Gas Chromatography** (GC, GCxGC), **Liquid Chromatography** (HPLC, UHPLC, LCxLC), **Mass Spectrometry** (GC-MS, LC-MS, ICP-MS, MALDI-TOF), **Spectroscopy** (ICP-OES, FTIR, UV-Vis, AA), **Mass Spectrometry Imaging** (DESI, MALDI, SIMS), **Physical & Structural Properties of Molecules** (KF, LDA, PXRD), **Thermal Analysis** (DSC, TGA) and all their related techniques.

Courses	Day*	Price†	Jan	Feb	Mar	Apr	May	Jun
<b>Absolute Basics</b>								
GC & GC-MS	1	£385			1			
Deconvolution	1	£385			15			
HPLC & LC-MS	1	£385		2				7
Ion Chromatography	1	£385				19		
Size Exclusion	1	£385						
Elemental Analysis	1	£385		12				
Karl Fischer	2 h	£120		12				
Thermal Gravimetric Analysis	1.5 h	£90		12				
Differential Scanning Calorimetry	3.5 h	£210		12				
Laser Diffraction Analysis	2 h	£120		13				
Powder X-ray Diffraction	4.5 h	£270		13				
Mass Spectrometry Imaging	1	£385		14				
MALDI-TOF	1	£385						20
Metabolomics	1	£385						
Chemometrics	1	£385			25			
<b>GC &amp; GC-MS</b>								
– Universal								
Absolute Basics GC & GC-MS	1	£385			1			
Hands-on GC & GC-MS	5	£2,850			4			
Absolute Basics of Deconvolution	1	£385			15			
Complete GC & GC-MS	5	£1,675.00	29				13	
Practical Essentials of GC & GC-MS	3	£1,100.00	29				13	
Gases & Plumbing & Sample Introduction	1	£385.00	29				13	
GC Columns, GC Detectors & Mass Spectrometers	1	£385.00	30				14	
Data Analysis, Sampling & Sample Prep Techniques	1	£385.00	31				15	
The GC & GC-MS Clinic	2	£750.00		1			16	
Method Development & Advanced Techniques	1	£385.00		1			16	
Maintenance & Troubleshooting for GC & GC-MS	1	£385.00		2			17	
Hands-on Sample Preparation	8	£4,000						
Applied Interpretation of GC-MS Mass Spectra	3	£1,375		14				
Hands-on GCxGC	2	£1,250						19
Hands-on Heart-cutting	1	£650			28			
Hands-on Splitters & Backflushing	1	£650						10
Hands-on Gas Sustainability & Health Check	1	£650						
Practical Essentials of Sample Preparation	26 h	£1,425				29		
Hands-on Advanced Injection for GC & GCMS	2	£1,250						
Multi-Mode Inlets & PTVs	1	£650						
Large Volume Injection (LVI)	1	£650						
– Manufacturer-specific								
<b>Comprehensive GC Training for...</b>								
Agilent GC with OpenLAB CDS hardware/software	4	£1,990			18			
Shimadzu hardware/software	4	£1,990					7	
Shimadzu software	2	£1,050						

Courses	Day*	Price†	Jan	Feb	Mar	Apr	May	Jun
<b>Comprehensive GC-MS Training for...</b>								
Comprehensive GC-MS Software Training (Agilent MassHunter for QQQMS)	3	£1,550				15		
Comprehensive GC-MS Software Training (Agilent SQMS with MassHunter)	3	£1,550			18			
Advanced Agilent QQQMS with MassHunter	1	£550						
Agilent SQMS with MassHunter	5	£2,425						
Agilent Q-TOFMS with MassHunter software	2	£1,050						
Advanced GC & GC-MS Hardware Training (Agilent)	5	£2,425						
<b>HPLC &amp; LC-MS</b>								
<b>– Universal</b>								
Absolute Basics of HPLC & LC-MS	1	£385		2				7
Hands-on HPLC & LC-MS	5	£2,850		5				10
Complete HPLC & LC-MS	5	£1,675				22		
Practical Essentials of HPLC & LC-MS	3	£1,100				22		
The HPLC & LC-MS Clinic	2	£750				25		
Hands-on Sample Preparation	4	£4,000						
Absolute Basics of Size Exclusion Chromatography	1	£385						
Applied UHPLC	1	£485						
Applied Interpretation of LC-MS Mass Spectra	3	£1,375					13	
Absolute Basics of Ion Chromatography	1	£385				19		
Practical Essentials of Sample Preparation	26 h	£1,425				29		
<b>– Manufacturer-specific</b>								
Comprehensive LC training (Shimadzu) hardware/software	4	£1,990						
LC-MS Software Training (Agilent MassHunter for SQMS)	3	£1,550						
<b>Inductively-Coupled Plasma</b>								
Absolute Basics of ICP-OES & ICP-MS	1	£385					7	
Applied ICP-OES	1	£485						4
Hands-on ICP-MS	2	£1,250						19
Applied ICP-MS	1	£485			12			
<b>Spectroscopy</b>								
<b>– Universal</b>								
Hands-on FTIR	2	£1,250	18					
Hands-on UV-Vis	1	£650						
<b>Statistical Analysis</b>								
<b>– Universal</b>								
Absolute Basics of Chemometrics	6.5	£385			25			
<b>Techniques for Determination of Physical &amp; Structural Properties of Molecules</b>								
<b>– Absolute Basics</b>								
Module 1: Absolute Basics of Karl Fischer (KF)	2	£120		12				
Module 2: Absolute Basics of Thermal Gravimetric Analysis (TGA)	1.5	£90		12				
Module 3: Absolute Basics of Differential Scanning Calorimetry	3.5	£210		12				
Module 4: Absolute Basics of Laser Diffraction Analysis (LDA)	2	£120		13				
Module 5: Absolute Basics of Powder X-ray Diffraction (PXRD)	4.5	£270		13				
Module 6: Absolute Basics of Mass Spectrometry Imaging (MSI)	6.5	£385		14				
<b>Courses</b>	<b>Day*</b>	<b>Price†</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>

Courses	Day*	Price†	Jan	Feb	Mar	Apr	May	Jun
<b>Sample Preparation Courses</b>								
<b>– Hands-on</b>								
Liquid-Liquid Extraction (LLE)	1	£650						
Derivatisation	1	£650						
Solid-Phase Extraction (SPE)	1	£650						
Solid-Phase Micro-Extraction (SPME)	1	£650						
Headspace (HS)	1	£650						
Purge-and-Trap (P&T)	1	£650						
Thermal Desorption (TD)	1	£650						
Pyrolysis (Py)	1	£650						
<b>– Practical Essentials</b>								
Liquid-Liquid Extraction (LLE)	3.25hrs	£195				29		
Derivatisation	3.25hrs	£195				29		
Solid-Phase Extraction (SPE)	3.25hrs	£195				30		
Solid-Phase Micro-Extraction (SPME)	3.25hrs	£195				30		
Headspace (HS)	3.25hrs	£195					1	
Purge-and-Trap (P&T)	3.25hrs	£195					1	
Thermal Desorption (TD)	3.25hrs	£195					2	
Pyrolysis (Py)	3.25hrs	£195					2	
<b>Methods</b>								
Applied Method Development for GC & GC-MS	4.5hrs	£270		1				16
Applied Method Development for HPLC & LC-MS	5.5hrs	£330				25		
Applied Method Validation	1	£485	26					
Applied Extractables & Leachables (E&L) Methods	1	£485						3
Applied Stability Indicating Methods (SIM)	1	£485			11			
<b>Mass Spectrometry</b>								
Absolute Basics of Deconvolution	1	£385			15			
Absolute Basics of MALDI-TOF	1	£385						20
Applied Interpretation of GC-MS Mass Spectra	3	£1,375		14				
Applied Interpretation of LC-MS Mass Spectra	3	£1,375					13	
Comprehensive Deconvolution Software (NIST AMDIS)	2	£875						
Absolute Basics of Mass Spectrometry Imaging (MSI)	1	£385		14				

## Course approval

The majority of our training courses have been approved by the Royal Society of Chemistry (RSC) for continuing professional development (CPD) under their training course approval scheme.



APPROVED  
TRAINING

## Hands-on training

Our “hands-on” courses all have 50% of the time spent in the laboratory using the instrumentation. A maximum of 5 delegates ensures the needs of every individual are met through focused support.

## Face-to-face training

Our face-to-face classroom-based courses make use of ‘props’ (instrument parts and consumables) for you to handle. Although there will be no laboratory-based practical exercises within these courses, there will be questions, tasks, case studies or demonstrations throughout the courses and we endeavour to include a laboratory tour where possible.

## Virtual classroom training

Our live Virtual Classroom courses offer a fully interactive experience, with the presentation, HD video feed of the trainer and Q&A box all in one view. Through tools and drawing controls, attendees can interact with the trainer and ask live questions at any time, either using their microphone or by typing into the chat box.

\*Hours reference virtual (online) courses. †All prices quoted are excluding VAT.  
Note: Where courses cover multiple days, the date shown is the first day of the course.

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