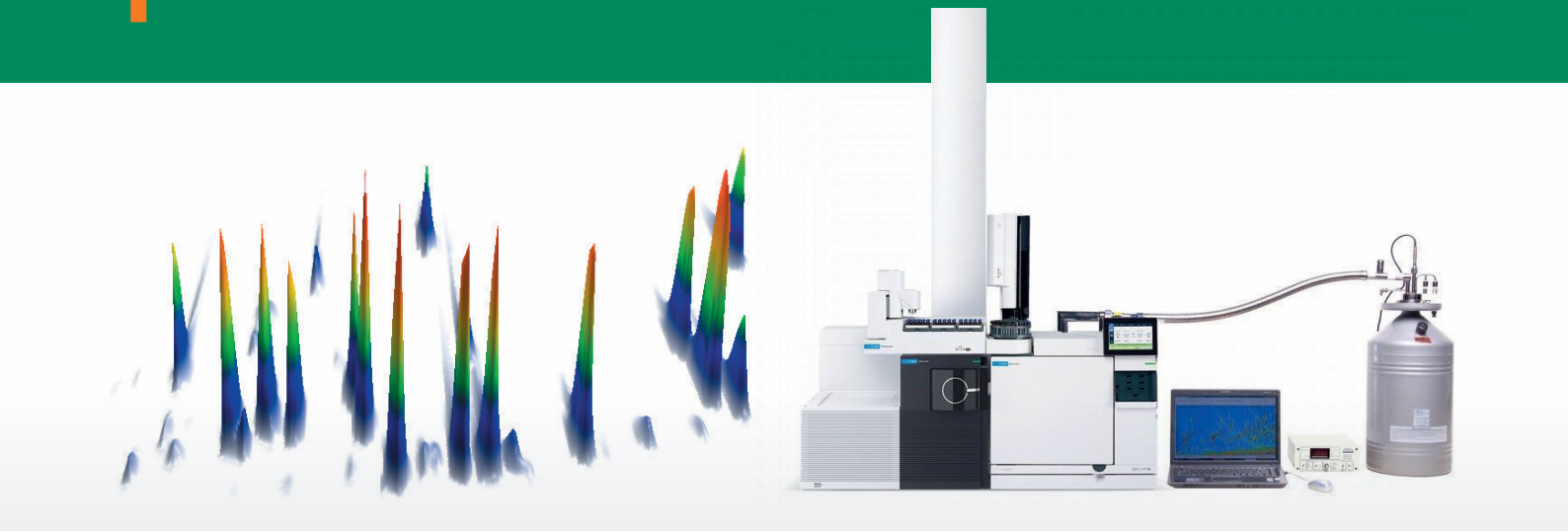
Da Vinci
LABORATORY SOLUTIONS

GC×GC Training



Do you work with Multidimensional Gas Chromatography, or a GCxGC system, and would you like to gain more insight into this analytical technique, hardware components, and the use of specific GCxGC software? Take advantage of the GCxGC training courses offered by Da Vinci Laboratory Solutions. The training is provided by an experienced GCxGC service engineer and is based on the Agilent Technologies gas chromatographic platform and GC Image Software. In addition to a short theoretical part about the working principle of the system, the main focus is on the use of the software and how to apply it for complex analyses.

Who should attend?

This training is ideal for GC×GC users from academia and industry who would like to discover how GC×GC works and explore the benefits which this increasingly popular technique could bring to their labs. It is also perfect for those who wish to consolidate their theoretical understanding and learn how to get the most out of their system through dedicated method optimization and troubleshooting sessions.

Price: € 1.250

per day of training, including lunch

Location

The training courses take place in the application laboratory at Da Vinci's headquarters in Rotterdam. In our laboratory, we have access to a range of hardware and software solutions for GCxGC. The DVLS office and laboratory are easily accessible from all directions, whether you travel by plane or car. Please let us know if you would like any information or recommendations regarding travel to our office and nearby hotels.

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Customize your GCxGC (HRMS) GC Image Software Training

Please let us know which days you would be interested in. You can choose from the days mentioned below, any combination is possible. The scheduled training days can be viewed on our website. Simply scan the QR code or visit our website to see the available dates and register for the ones that suit you best.

DAY 1

1-Day training course on GC×GC basics

Theory, principles of operation, hardware

- Introduction to GC×GC: theory and principle of operation
- Flow modulators
- Zoex loop thermal modulators
- Practical session: set-up of the loop modulator
- Different detectors and their compatibility
- Overview of GC×GC possibilities

DAY 2

1-Day GC×GC user training

Method development, optimization and troubleshooting

- The chemical logic of 2D plots
- Select and optimize your column set
- Guideline to setting carrier gas flow, oven temperature program and modulation
- Optimizing MS detection
- Practical session: set-up of a GC×GC run and evaluation of raw data
- Troubleshooting
- Introduction to High Resolution Mass Spectrometry (HRMS) and accurate mass

DAY 3/4

2-Day training course on GC image software

Advanced 2D data processing, including automation and sample comparison

- Data visualization: from raw data to 2D contour plot and 3D view
- Familiarization with basic features and configuration settings
- MS features and library search
- Templates
- Methods and reports
- Advances features and tools
- Quantification
- Introduction to GC Project - batch processing and calibration
- Introduction to Image Investigator - samples comparison
- Practical sessions: GC Image, GC Project, Image Investigator

DAY 5

1-Day GC image HR Training (HRMS)

HRMS Data Processing

- Introduction to High Resolution Mass Spectrometry (HRMS) and accurate mass
- Practical aspects and tips for method optimization for HRMS
- Familiarization with the specific featuresof GC Image HR
- Practical Session: GC Image HR

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