



## **Xcalibur Software – Modular: Qualitative Analysis - Reports, Quantitative Analysis - Reports**

**February 26, 27, 2008      -      June 17, 18, 2008**

### **Contents**

In order to use efficiently the mass spectrometer, it is imperative that one has a good knowledge of the software. During these two days course we will study how to best exploit the different features of Xcalibur's software, from the collected data, to its qualitative and quantitative analyses, up to its reporting using Merlin. Xcalibur software is a powerful and versatile tool capable of high automation for acquisition and data analysis. This course will provide the analyst with the necessary knowledge to make the most of the instrument by using Xcalibur according to particular methodological needs.

### **Objectives**

This course is a software drill that will combine background theoretical information, with the actual steps required to use the instrument in a confident manner. An actual analytical example will be taken, and we will develop a method to qualitatively and quantitatively analyse and process the information, resulting in the production of a report. All these processes will be done virtually on a data set previously acquired. The modular nature of the course allows the analyst to choose the section(s) better adapted to his/her knowledge and needs. The final goal is to harness a good knowledge of the software in order to have a sure command of different features of the software, to make efficient use of the data acquired both qualitatively and quantitatively, resulting in a final concise report.

### **Participants**

Users who currently work or will work with GC-MS instruments running with Xcalibur software, and are interested in getting in-depth knowledge of the different features that allows the analyst to produce qualitative and quantitative analyses and reports.

### **Programme**

#### **□ Theory & Practice**

- Xcalibur Software: overall view
- QualBrowser, Library Browser, Processing Setup and QuanBrowser: tools that along with the processing method let the analyst automate data analysis and quantification
- Merlin software and reporting.

#### **□ The course will be given in English by**

**Ricardo A. Correa C., Ph.D.**

**Trans-Laboratory**  
Chemical Analysis Service Provider