

Advanced LC-MS Quantitation Troubleshooting At Customer Site

At SCIEX, our Success Technology Programs follow the proven spaced learning approach to maximize learning retention. The training process includes a unique blend of self-paced eLearning, instructor led and hands-on training provided at the customer site.

COURSE GOALS AND OUTCOME:

This SCIEXUniversity course provides a variety of hands-on troubleshooting exercises, best practices and finishes with a Troubleshooting Challenge for the Learner. It is intended for those who have completed a SCIEXUniversity Success Program, or have significant operational experience with SCIEX LC-MS systems.

This course is intended to provide a user with the knowledge necessary to successfully troubleshoot and fix common MS and HPLC issues.

Upon completing the course, the student should be comfortable with tuning and calibrating the instrument, performing HPLC and MS maintenance, troubleshooting common HPLC and MS issues, understanding quantitation parameters, and using outlier settings and metric plots to identify issues with the data results.

TRAINING PROGRAM OVERVIEW:

Your Success Technology Training includes the following:

- 2 days of instructor led and hands-on training provided at your site by an Applications Support Scientist
- Related self-paced eLearning courses, lectures, reference material and lab exercises
- Complimentary follow-up WebEx session with an Applications Support Scientist
- Workflow certification upon successful completion of final exam
- Access to SCIEXUniversity database of >100

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- eLearning courses
- Access to SCIEXNow™ online support tools available for up to 3 Learners

ONSITE INSTRUCTOR LED TRAINING TOPICS:

- **Tuning and Calibration**
 - Manual tuning and calibration of the mass spectrometer
 - Automated tuning and calibration of the mass spectrometer
 - CEM tuning
- **MS and LC Troubleshooting**
 - Computer maintenance and communication
 - MS Best Practices
 - MS troubleshooting
 - MS maintenance
 - Basic front end cleaning
 - Ion source maintenance
 - HPLC Best Practices
 - HPLC troubleshooting
 - HPLC maintenance
- **Quantitation Troubleshooting**
 - Important MQ4 and SignalFinder™ integration parameters
 - Outlier settings
 - Ion ratios
 - Metric plots
- **Troubleshooting Challenge**
 - Practical exercise designed to test troubleshooting skills.