

Agilent Technologies
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SAFS Workshop April 25th, 2023
Gulf Shores, AL

GC troubleshooting & Mass Spec Acquisition Parameter Optimization, Source Cleaning Tips, and What Really Happens When You Tune

Course Abstract:

The GCMS workshop will focus on the fundamental aspects of operational theory, troubleshooting, and maintenance of GC (Split/Splitless) inlets and MS EI sources. Column selection and inlet and flow path troubleshooting, and maintenance will be discussed. The workshop format will be PowerPoint based but will have hands on labs involving split/splitless inlet modules and MS EI sources. The MS workshop will also cover the fundamental aspects of MS operational theory, optimizing acquisition parameters for spectral fidelity and method stability. Attendees will have the opportunity to perform hands-on disassembly and reassembly of an EI source, discuss best practices for cleaning the source, and logical troubleshooting and maintenance of MS and vacuum system. An in-depth discussion of the tuning process and what's occurring during the tuning process will be presented. Initial plans are to have a standalone MS system in the room for discussion and troubleshooting tips. The amount of individual hands-on participation will depend on the size of the class. (Optimal class size ~30-35 students)