# Agilent 5973 GC-MSD Troubleshooting and Maintenance

## Course Outline

### Day One
- Introduction to 5973 GC-MSD Troubleshooting and Maintenance Tunes and Diagnostics
- Lab Exercise: Benchmark Performance Tests

### Day Two
- 5973 MSD Vacuum System Maintenance
- Lab Exercise: 5973 MSD Vacuum System Maintenance
- 5973 MSD Ion Source Maintenance
- Lab Exercise: Ion Source Maintenance
- 5973 MSD Quadrupole Mass Filter
- 5973 MSD Detector Maintenance
- Lab Exercise: Mass Filter and Detector Maintenance

### Day Three
- Lab Exercise: Miscellaneous Maintenance
- Lab Exercise: “Bug” Lab Final Exam

## Prerequisites
Fundamental knowledge of GC-MS and three to six months of experience in operating the Agilent 5973 GC-MS.

## Student Profile
A user of the Agilent 5973 GC-MSD who has a fundamental knowledge of gas chromatography spectrometry and who is responsible for routine maintenance of the system.

## Equipment Used during Training
- Agilent 6890-5973 GC-MSD
- G17001CA/Microsoft® Windows® NT