

**OTC-05**

## **GC-MS Online Training**

**We have distilled critical knowledge of Chromatography and Mass Spectrometry applications and instrumentation into our range of exciting and interactive**

### **The Fundamentals of Gas Chromatography Mass Spectrometry**

#### **Course Description**

The course designed to highlight the powerful possibilities of GC analysis with spectral detection. The functionality of the MS will be discussed in detail including principles of the quadrupole mass filter. Ion detection devices will be explained and the use of electron impact and chemical ionization sources will be investigated with applicability to practical situations. This course provides the basic knowledge required for Building a GC/MS Method, Data Interpretation & Library Search.

A good working knowledge of the technique is required or attendance of our Basic GC

#### **Course Content**

- GC-MS theory reviewed.
- Overview of GC requirements
- GC-MS components
- Overview of Ionization Techniques

#### **Ionization**

- Electron Impact ionization
- Chemical ionization
- Basic Maintenance and Troubleshooting.

#### **Course Duration**

- 15 hours/5 days/3 hours per day

#### **The Vacuum System**

- Fore line pumps/Turbo Pumps.

#### **Tuning**

#### **Important tune diagnostics**

#### **Troubleshooting**

#### **MS Method Development**

- MS Data Analysis
- SIM/ Full Scan/MRM.
- Library Search



**SSLS**  
Scientific Services  
Life Science

**TURN OUR EXPERIENCE TO YOUR EXPERTISE**

...Team of specialists close to you in track with your needs