

## ***Gas Chromatography Mass Spectrometry (GCMS)***

GCMS is a powerful tool for identifying and quantifying volatile and semivolatile compounds in a variety of samples. The gas chromatograph functions to separate a mixture into its constituents and the mass spectrometer performs the analysis which provides the fingerprint. This fingerprint can be searched in a library of fingerprints to make an identification of unknowns. It is also possible to perform 2D GC giving more separating power to the technique. The tool is very sensitive.

### ***Picture of Agilent 6890 GC and 5973 MS***

