

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

