

## Intro

Liquid chromatography / Mass Spectroscopy (LC / MS) is a powerful analytical technique that combines the resolving power of liquid chromatography with the detection specificity of mass spectrometry. Liquid chromatography separates the sample components and then introduces them to the mass spectrometer. The MS creates and detects charged ions. There are two common atmospheric pressure ionization (API) LC/MS process: electrospray Ionization (ESI) and atmospheric pressure chemical ionization (APCI). Both are soft ionization technique compatible with most mobile phase volatile solvents and volatile buffers used in chromatographic separations.

The LC/MS data may be used to provide information about the molecular weight, structure, identity and quantity of specific sample components.