

## Gas chromatography

### Functional Principle:

Gas chromatography (GC) is a common type of chromatography used in analytical chemistry for separating and analyzing compounds that can be vaporized without decomposition. Gas mixture separated in different components through adsorption on a stationary phase.

### Trace Ultra – DSQ I – Autosampler – Co. Thermo Electron Corp.

- analysis of pah`s, alcohols, ethyl carbamate in stone fruit spirits, organic acids in fermentation media
- different columns for example: SPB 1000, Equity 1701, FFAP, Supelcowax 10
- flame ionisation detector (FID)
- mass spectrometry
- s/sl - split/splitless injector, heated constant
- ptv injector - programmable temperature vaporization injector

