



## Gas Chromatography (GC)

GCMS is an analytical method that combines the features of gas-chromatography and mass spectrometry to identify different substances within a test sample. The applications of GCMS include air pollutant analysis, environmental analysis and unknown sample identification.

The system comprised of ChemStation Data Analysis software as well as the highly productive MassHunter Quantitative and Qualitative Analysis software in a single workstation.

In addition, the system also comes with the MassWorks software that allowed the analysis to achieve high mass & spectral accuracy for identifying unknown compound with high-confidence with or without a compound library.

Besides the liquid sampling, this GCMS system also allows sampling of gas and slurry samples. Air or gas samples can be collected into a sorbent packed tube and introduced into the GCMS via Thermal Desorber.

Headspace (HS) and Thermal Sorption Probe (TSP) sampling are the other alternative methods which available on this system.

**For enquiries, please contact the staff-in-charge.**

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