

# GC-MS 6800

Gas Chromatograph – Mass Spectrometer 6800

- High performance, high reliability
- Low cost for customers of all types
- Holding multiple patents



GC-MS 6800  
Gas Chromatograph – Mass Spectrometer 6800



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GCMS 6800 -- High performance-to-price ratio !



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## Introduction:

Skyray's new generation Gas Chromatograph – Mass Spectrometer (GC-MS) system offers high performance, high reliability, and low cost for customers of all types. Holding multiple patents, Skyray manufactures high quality GC-MS 6800, which is widely used in industrial inspection, food safety, environmental protection, etc.



## Application:

- Industrial inspection
- Food safety and hygiene
- Environmental protection
- Pharmaceutical development
- Criminal investigation/ Forensics

## Hardware

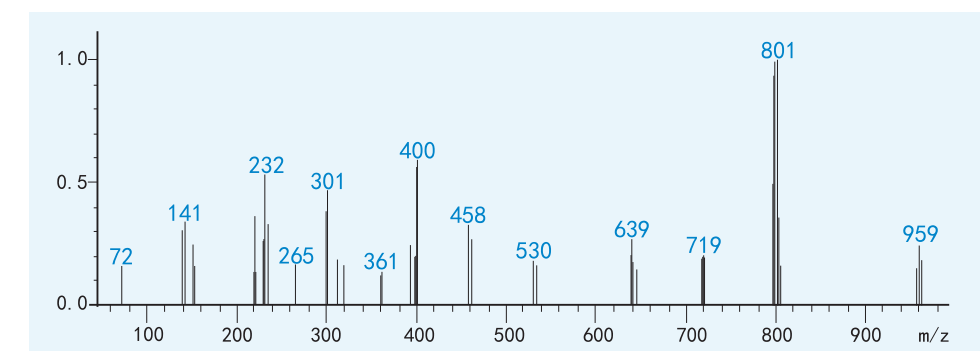
- Electronic pressure/flow control system (EPC/EFC) on GC 6800 improves baseline stability and sensitivity
- Patented EI filaments provide high efficiency of electron emission
- Pre-quad removes undesirable contamination before the main analytical quadrupole and decreases cleaning frequency
- High quality vacuum system combined with high energy dynode (HED) electron multiplier (EM) offer magnificent sensitivity
- Self-protector safeguards the system against the situations, which would normally damage expensive components and require significant repair
- Advanced digital compensation technology on Radio Frequency (RF) power supply guarantees satisfactory sensitivity and resolution over full mass range

ChemAnalyst is the workstation software for Skyray mass spectrometers, GC-MS 6800, LC-MS 1000, and ICPMS 2000. It features a user-friendly interface to simultaneously control autosampler, chromatograph and mass spectrometer. Using high-speed net card, ChemAnalyst makes rapid data collection and transfer feasible, supporting SIM/Scan mode, Auto/Manual Tune, TIC/XIC, etc.

In China, Skyray has been the only authorized distributor of NIST database (including retention time, molecular weight, formula, structure, etc), which is the most popular for mass spectral search and examination of unknowns and target compounds in qualitative and quantitative analysis.

## Example:

Poly Brominated Biphenyls (PBBs)/Poly Brominated Diphenyl Ethers (PBDEs)



Mass spectrum of deca polybrominated biphenyl ethers