

Gas Chromatograph (GC) - Bench top Mass Selective Detector (MSD) in Electron Ionization (EI) mode

Brand: Agilent, USA Model: 7890A GC – 5975C MSD

General Usage:

The GC-MSD can be used to separate, identify and quantify the organic compounds that are volatile enough to be vaporized without decomposition in the GC inlet. With the help of the built in mass spectral library, the components in the sample could be identified.

The sample should be in the liquid form. Organic compounds in aqueous sample matrix should be extracted and dissolved in organic solvent before using the instrument.

Configuration:

The GC-MS in ENVF is equipped with a split/splitless injector (ambient to 400 °C), an automatic liquid sampler and a MSD that operates in EI mode. The MSD accepts capillary column up to 0.32 mm ID. There is no pack column option.

The Agilent 7694E Headspace Sampler is also ready be connected with this GC-MS for measuring volatile organic compounds in liquid and solid sample.

Application: Determine organic compounds in aerosol, water, soil, etc.

Remarks: User is encouraged to use their own GC Column and liner to avoid cross contamination. ENVF do not have specific dimension and polarity column. ENVF do not guarantee the cleanliness and baseline flatness of the column provided by ENVF.

