GC-MS Methods

Derivatization

- Make metabolites volatile
- Silylation, acetylation
- Improve chromatography

Volatility Requirements

- Low molecular weight compounds
- Thermal stability needed
- Complementary to LC-MS

EI Fragmentation

- Electron ionization
- Reproducible fragmentation
- Library matching possible

Retention Indices

- Normalize retention times
- n-alkane standards
- Cross-lab comparisons