Self-service measurement on GC/MS - introduction

Building A, Lab A.2.84 (go through lab A.2.83)

Measurement

GC/MS system is set for low mass volatile and semivolatile compounds!!!

Book instrument time in google calendar. The login and password are available after short training.

Write down your sample to the Self-service measurement book

Important!!! Important!!! Important!!! Important!!! Important!!! Important!!!
You can measure samples, which do not contain strong acids, alkalis, much water, strong oxidizing or reducing agent, or suspension.

Recommended solvents: hexane, methanol, ethanol, chloroform, diethyl ether

Suitable concentrations: cca 1 mg/ml

1) Check the position of autosampler
2) Put vial in autosampler (minimally 4 mm of sample solution).
3) Put vial with pure solvent (for cleaning of the syringe) to position **A**. Use the same solvent as for sample preparation.
4) Use *Agilent OpenLab* for data acquisition and evaluation. Other instructions are available in *Short software manual*.

Use only these methods

Methods	Inlet temperature	split	range (m/z)	Temperature program
AS_M- high _C-high_waxeter	250°C	50:1	to 500	40°C(1min) →8°C/min to 260°C (5 min)
AS_M- high _C- low_waxeter	250°C	10:1	to 500	40°C(2min) →8°C/min to 260°C (5min)

For setting a special method, solving problems with instrument or other requirements contact Vladimír Vrkoslav, tel. 347, A.1.85