Self-service measurement on GC/MS - introduction

Measurement

Book time in calendar (room 107).

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 position of autosampler
2) Put vial in autosampler (minimally 4 mm of sample solution, use recommended type of vials – see below)
3) Put vial with pure solvent (for cleaning of syringe) to position **A**. Use the same solvent as for sample preparation.
4) Use *ChemStation*.
Other instruction in „Software for GC_MS"

Write down your sample to the Self-service measurement book

Recommended vials for GC/MS
Use yours vials

Vials and caps - Agilent (HPST)

5182-0714 Vials „2 ml, clear, screw top"

5182-0716 Vials „2 ml, amber, screw top, w/write-on spot"

5182-0717 Caps „Teflon/red rubber, screw cap"

5181-127 Inserts „glass insert, w/feet, 100 ul

Vials and caps - National Scientific (Chromservis)

C4000-1 Vials 2.0 ml - 12 x 32 mm, 100 ks

C4000-54B Caps, Screw Blue Cap w/Septa; Red PTFE / White Silicone; 100/Pk

Use only these methods

Methods	Inlet temperature	split	range (m/z)	Temperature program
AS_M-nizke_C-nizke	200°C	10:1	to 600	40°C(2min) →8°C/min do 200→15°C/min do 320°C (3min)
AS_M-nizke_C-vysoke	200°C	50:1	to 600	40°C (2min) →8°C/min do 200→15°C/min do 320°C (3min)
AS_M- vysoke _C-nizke	230°C	10:1	to 800	60°C(2min) →10°C/min do 320°C (10min)
AS_M- vysoke _C-vysoke	230°C	50:1	dto 800	60°C(2min) →10°C/min do 320°C (10min)

For using a special method, please, contact V. Vrkoslav