

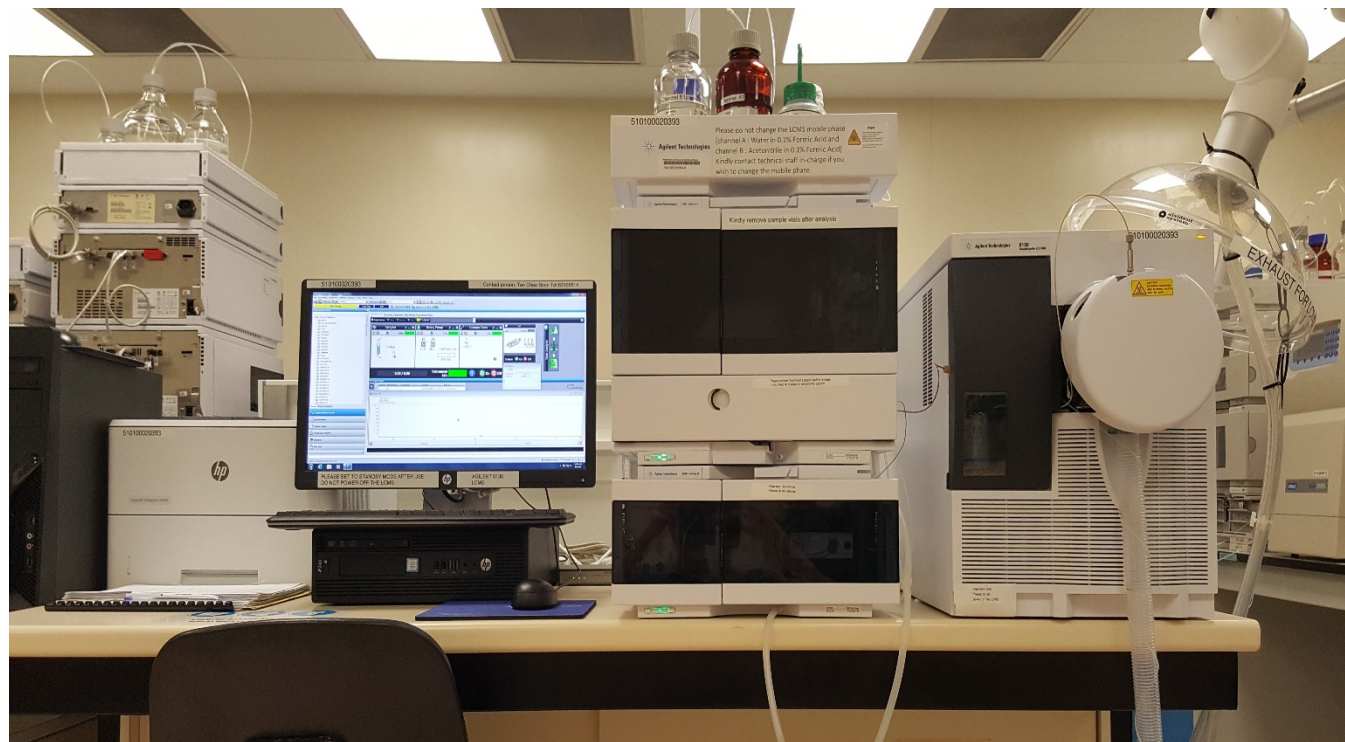
Chromatography & Mass Spectroscopy

1. Agilent 6130 LCMS
2. Agilent 5973N GCMS
3. Agilent 5977N GCMS
4. Agilent 6890N GC
5. Agilent 1100 HPLC-VWD
6. Agilent 1100 HPLC-DAD/RID
7. Agilent 1260 HPLC DAD/FID
8. Agilent 1290 UPLC Infinity DAD

Agilent 6130 LCMS

Key features of Agilent 6130 LCMS

- Mass range : 2-3,000 m/z
- Mass analyser : Single quadrupole
- Electrospray ionisation (ESI)



Location: N1.2-01-03

Contact email: Lijun.Ding@ntu.edu.sg

Agilent 5973N GCMS

Agilent 5977N GCMS

Agilent 6890N Gas Chromatography

Key features of Agilent 5973N GCMS

- Oven operating temperature: ambient +4 to 450 °C
- Carrier gas : Helium
- Inlet : Spilt/splitless
- Mass range: 1.6-800 m/z
- Ion source : EI
- Detector : electron multiplier
- Resolution : Mass unit adjustable by tune
- Sensitivity : 1 pg
- Scan speed : 10,000 amu/s
- Automatic Liquid Sampler Tray : 100-position

Key features of Agilent 6890N GC

- Oven operating temperature: ambient +4 to 450 °C
- Carrier gas : Helium
- Inlet : Split/Splitless
- Detector : Flame ionization detector (FID)
- Automatic Liquid Sampler Auto injector : 8-position

Location: N1.2-B1-33

Contact email: YongZen.Tan@ntu.edu.sg



High Performance Liquid Chromatography

Key features of HPLC with VWD, DAD, RID, FLD detectors

Vacuum degasser

- Max. flow rate 0-10 ml/min per channel

Quaternary pump

- Flow range: 0.001 – 10 ml/min
- Pressure range: 0 – 400 bar
- Low pressure quaternary mixing/gradient capability
- Composition range 0 – 95% or 5 – 100%, user selectable

Auto sampler

- Injection volume: 0.1-100 μ l
- Sample tray: 100-position
- Column oven range: 10-80 $^{\circ}$ C

Instrument models available

- HPLC with Diode array detector (HPLC-DAD)
- HPLC with Variable wavelength detector (HPLC-VWD)
- HPLC with Refractive index detector (HPLC-DAD/RID)
- HPLC with Fluorescence detector (HPLC-DAD/FLD)
- UPLC with DAD



Location: N1.2-B4-13

Contact email: Lijun.Ding@ntu.edu.sg