Identification of extracts
The background...

- 34 freeze dried extracts from 3 different companies
- all produced by very similar conditions: Ethanol 50%; Ethanol 60%; Methanol 80%
- They can’t be distinguished by their colour or appearance

Rapid assignment by NIRS?
2D – scoreplot, PCA
400 – 2500 nm
2D scoreplot, PCA
1100 – 2500 nm
Summing up...

- **time effort:**
  - 1-2 minutes per measurement (triplicates)
  - One hour for spectra pretreatments and PCA
- **But:**
  - The PCA model can be applied for the classification of further extracts of these three companies.
  - The model has to be expanded for extracts derived from a fourth company.