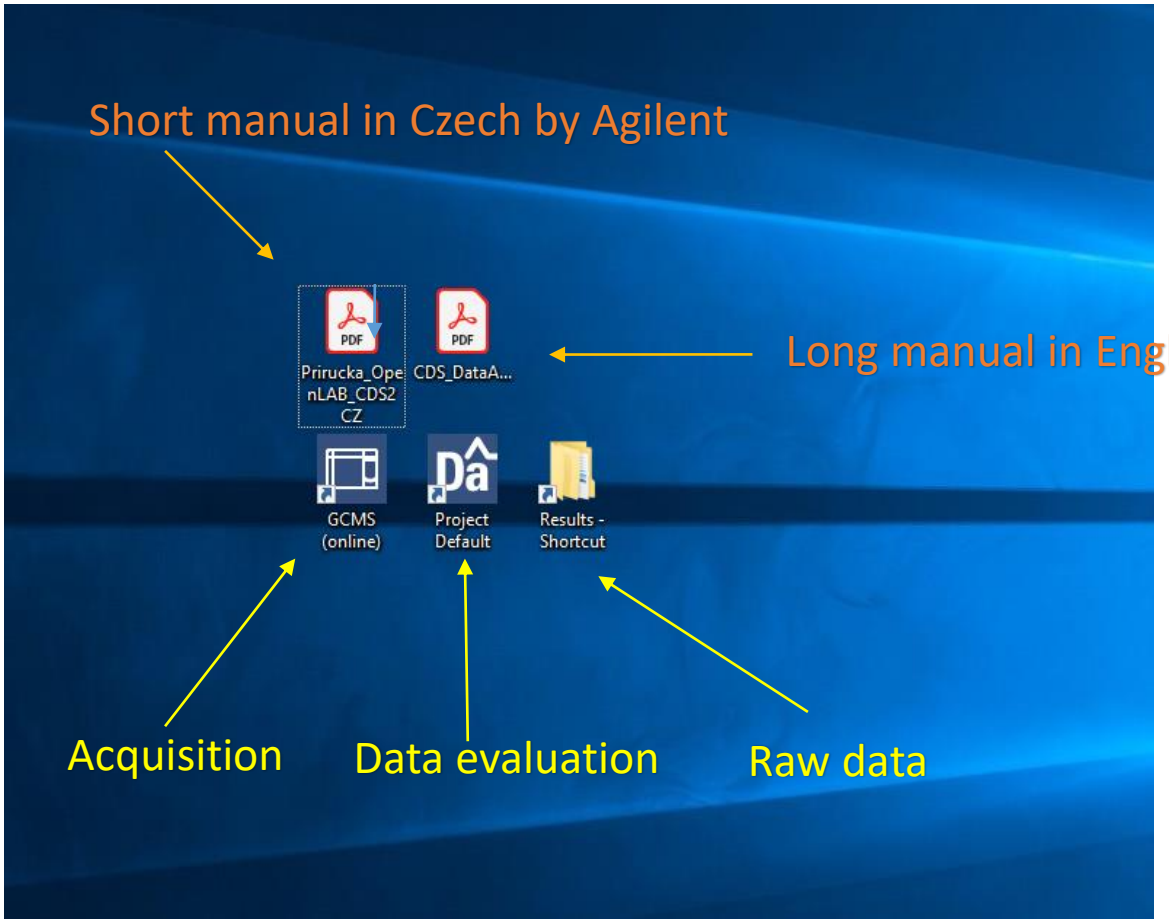
Software instruction for open access GC/MS

10.3. 2022

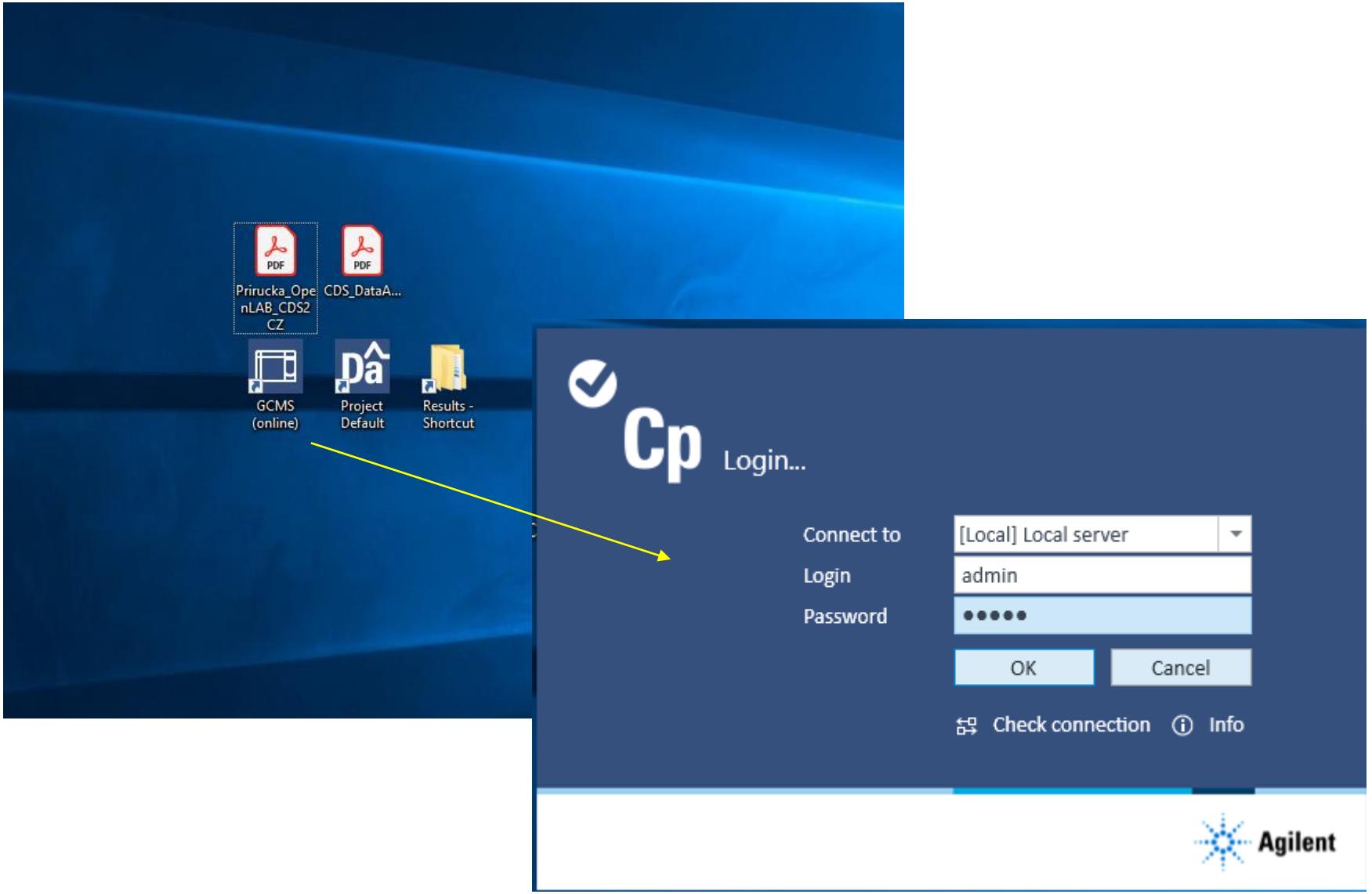
OpenLAB

OpenLAB

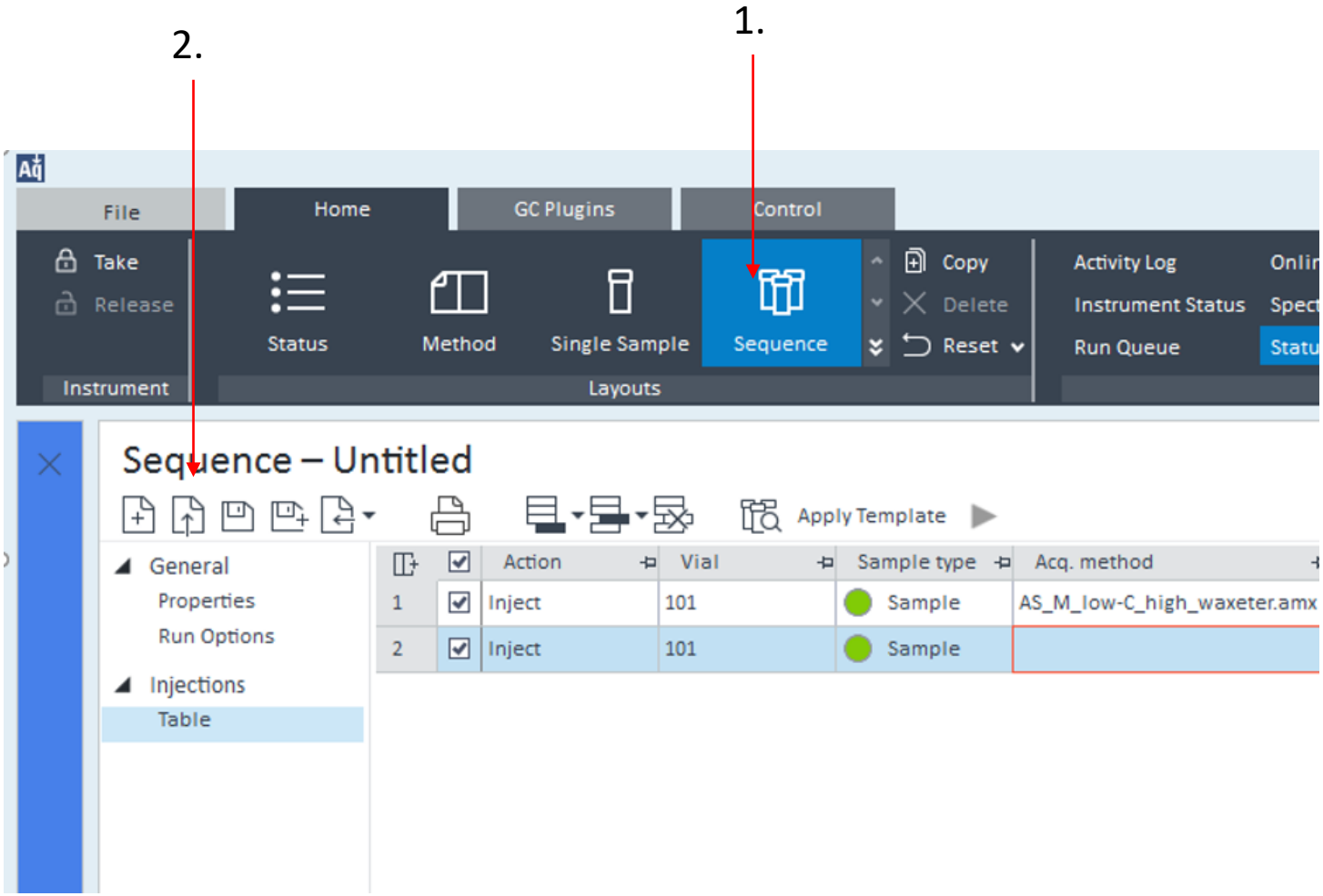

Short manual in Czech by Agilent
Prirucka_OpenLAB_CDS2CZ
CDS_DataA...
Long manual in English by Agilent
GCMS (online)
Project Default
Results - Shortcut
Acquisition
Data evaluation
Raw data

Acquisition

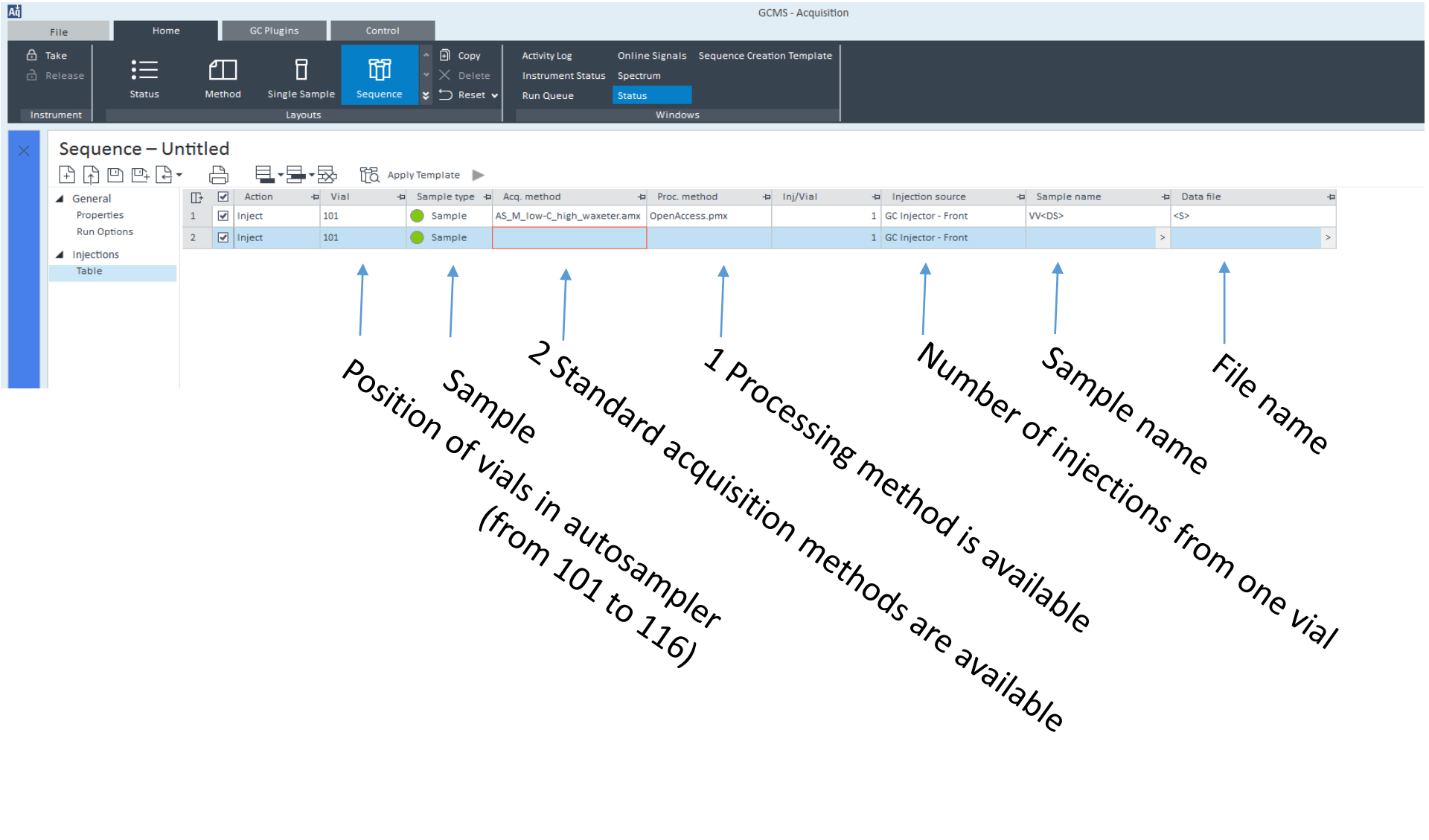
Acquisition login



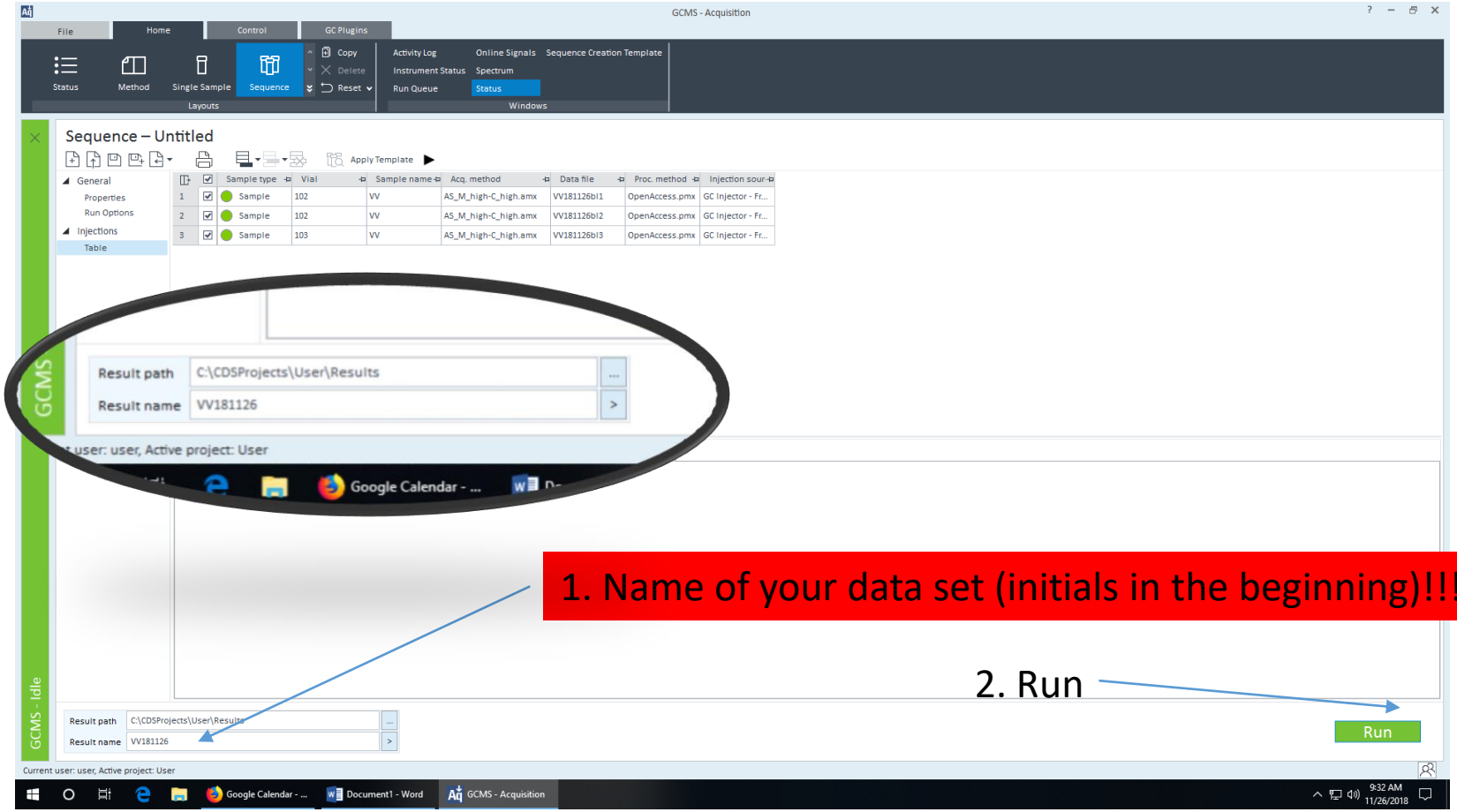
Load your sequence



Fill table


GCMS - Acquisition
File
Home
GC Plugins
Control
Take
Release
Status
Method
Single Sample
Sequence
Copy
Delete
Reset
Activity Log
Online Signals
Sequence Creation Template
Instrument Status
Spectrum
Run Queue
Status
Instrument
Layouts
Windows
Sequence – Untitled
Apply Template
General
Properties
Run Options
Injections
Table
Action
Vial
Sample type
Acq. method
Proc. method
Inj/Vial
Injection source
Sample name
Data file
1
Inject
101
Sample
AS_M_low-C_high_waxeter.amx
OpenAccess.pmx
1
GC Injector - Front
VV<DS>
<S>
2
Inject
101
Sample
1
GC Injector - Front
Position of vials in autosampler (from 101 to 116)
Sample
2 Standard acquisition methods are available
1 Processing method is available
Number of injections from one vial
Sample name
File name

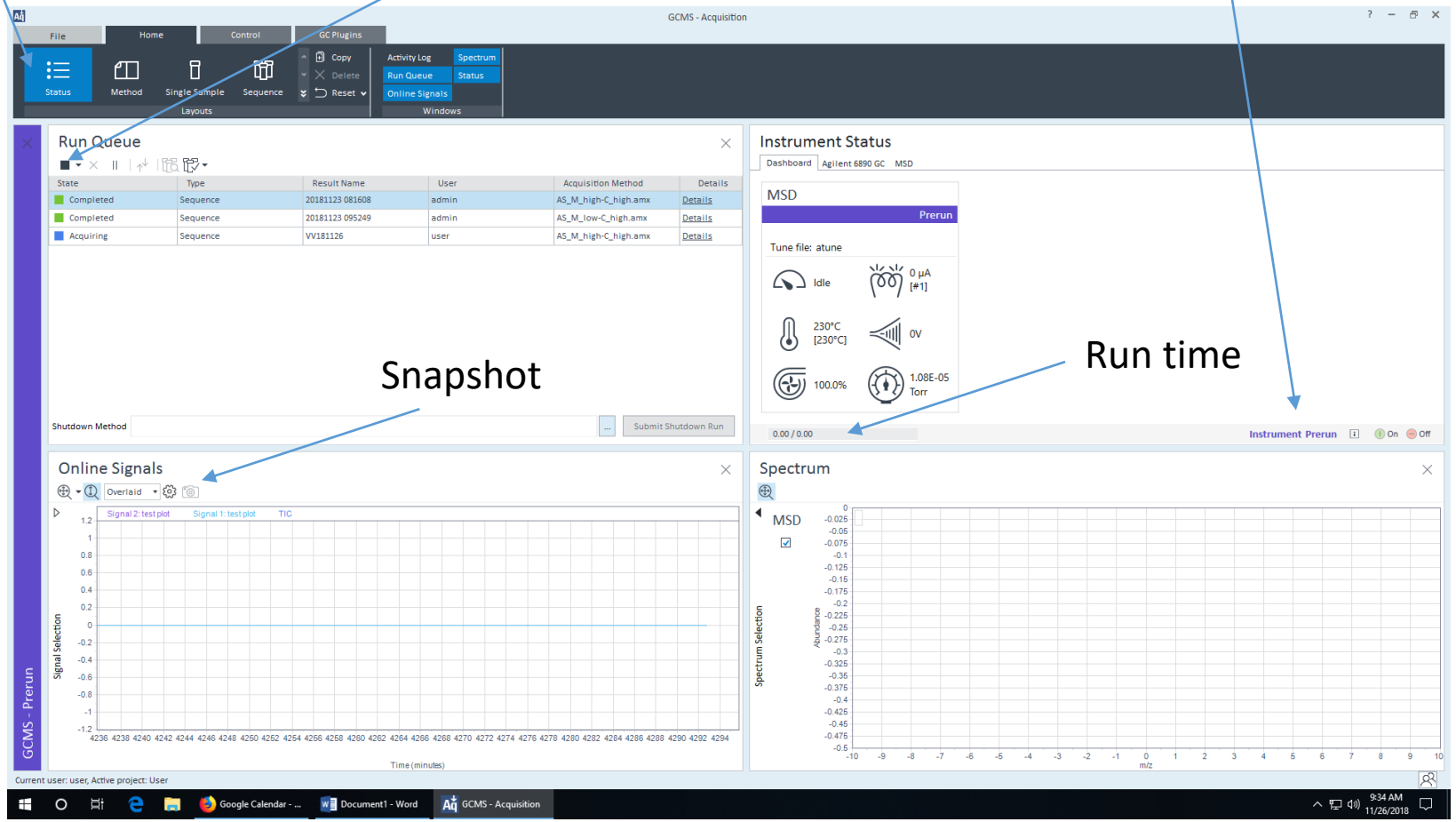
Run


GCMS - Acquisition
File
Home
Control
GC Plugins
Status
Method
Single Sample
Sequence
Copy
Delete
Reset
Layouts
Activity Log
Instrument Status
Run Queue
Online Signals
Spectrum
Status
Sequence Creation Template
Windows
Sequence – Untitled
Apply Template
General
Properties
Run Options
Injections
Table
Sample type
Vial
Sample name
Acq. method
Data file
Proc. method
Injection sour
1 Sample 102 VV AS_M_high-C_high.amx VV181126bl1 OpenAccess.pmx GC Injector - Fr...
2 Sample 102 VV AS_M_high-C_high.amx VV181126bl2 OpenAccess.pmx GC Injector - Fr...
3 Sample 103 VV AS_M_high-C_high.amx VV181126bl3 OpenAccess.pmx GC Injector - Fr...
GCMS
Result path
C:\CDSProjects\User\Results
Result name
VV181126
user: user, Active project: User
Google Calendar - ...
1. Name of your data set (initials in the beginning)!!!
2. Run
Run
GCMS - Idle
Current user: user, Active project: User
Document1 - Word
GCMS - Acquisition
9:32 AM
11/26/2018

Status

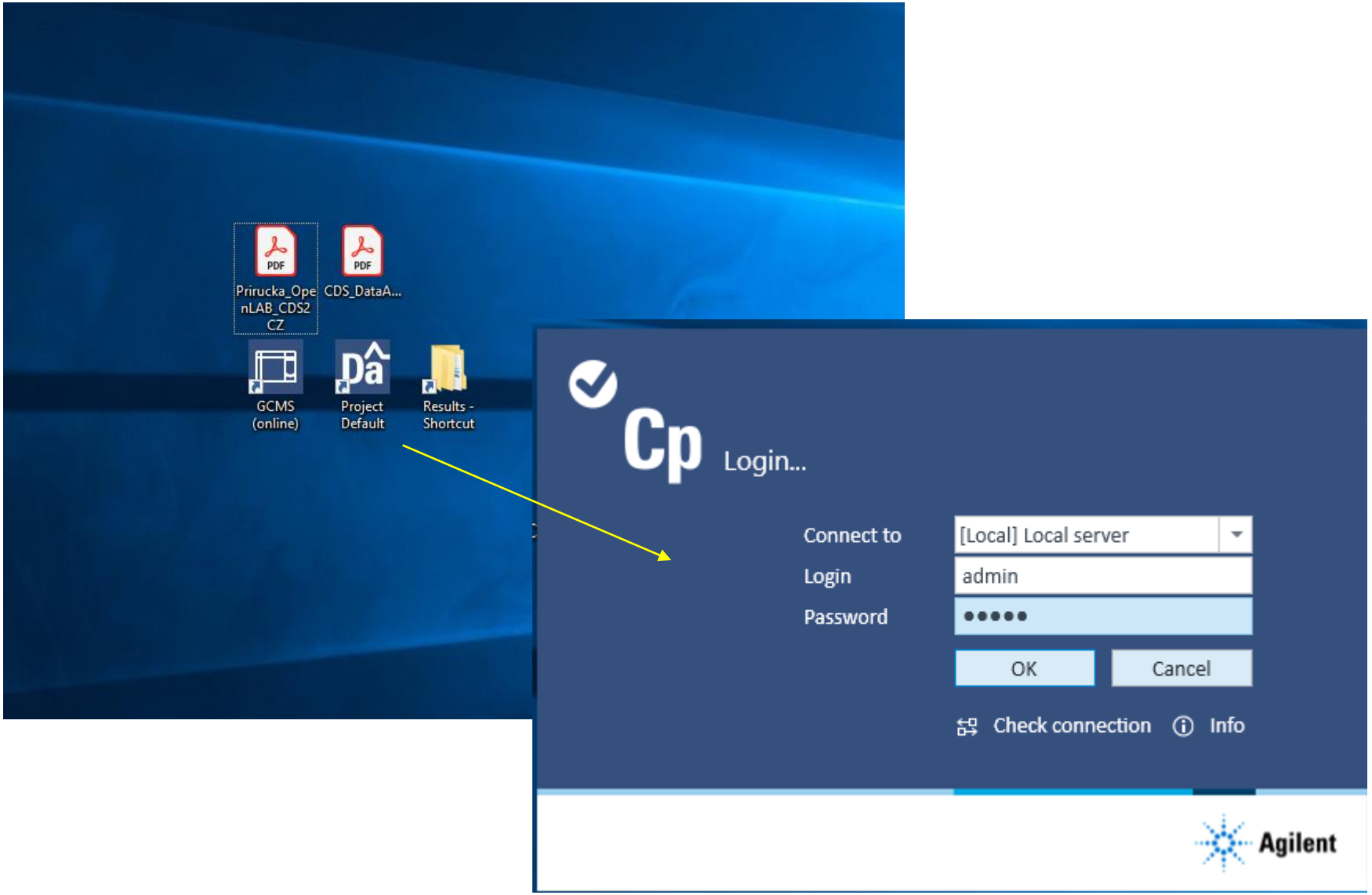
Stop the sequence

Status

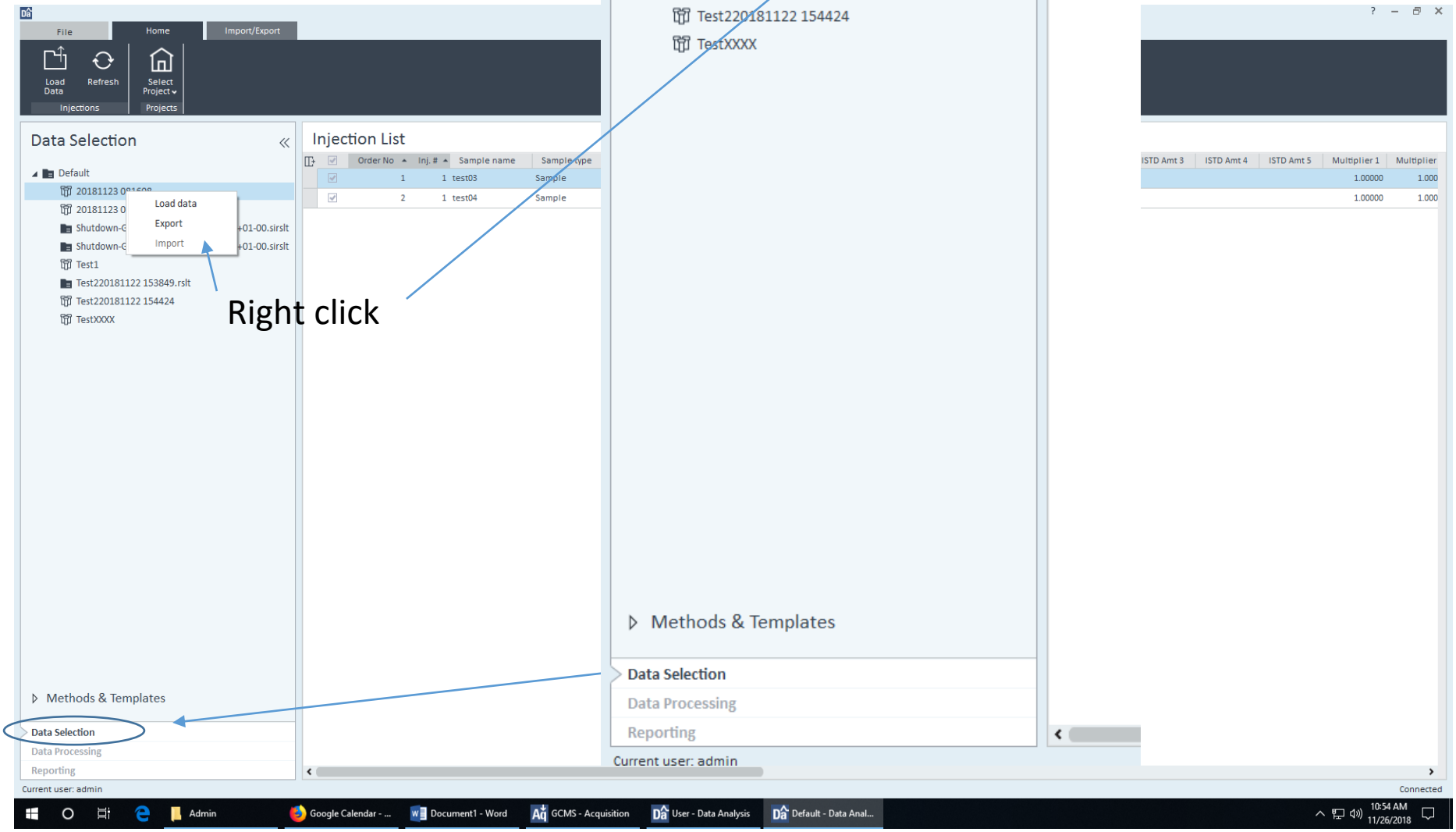


Data Analysis

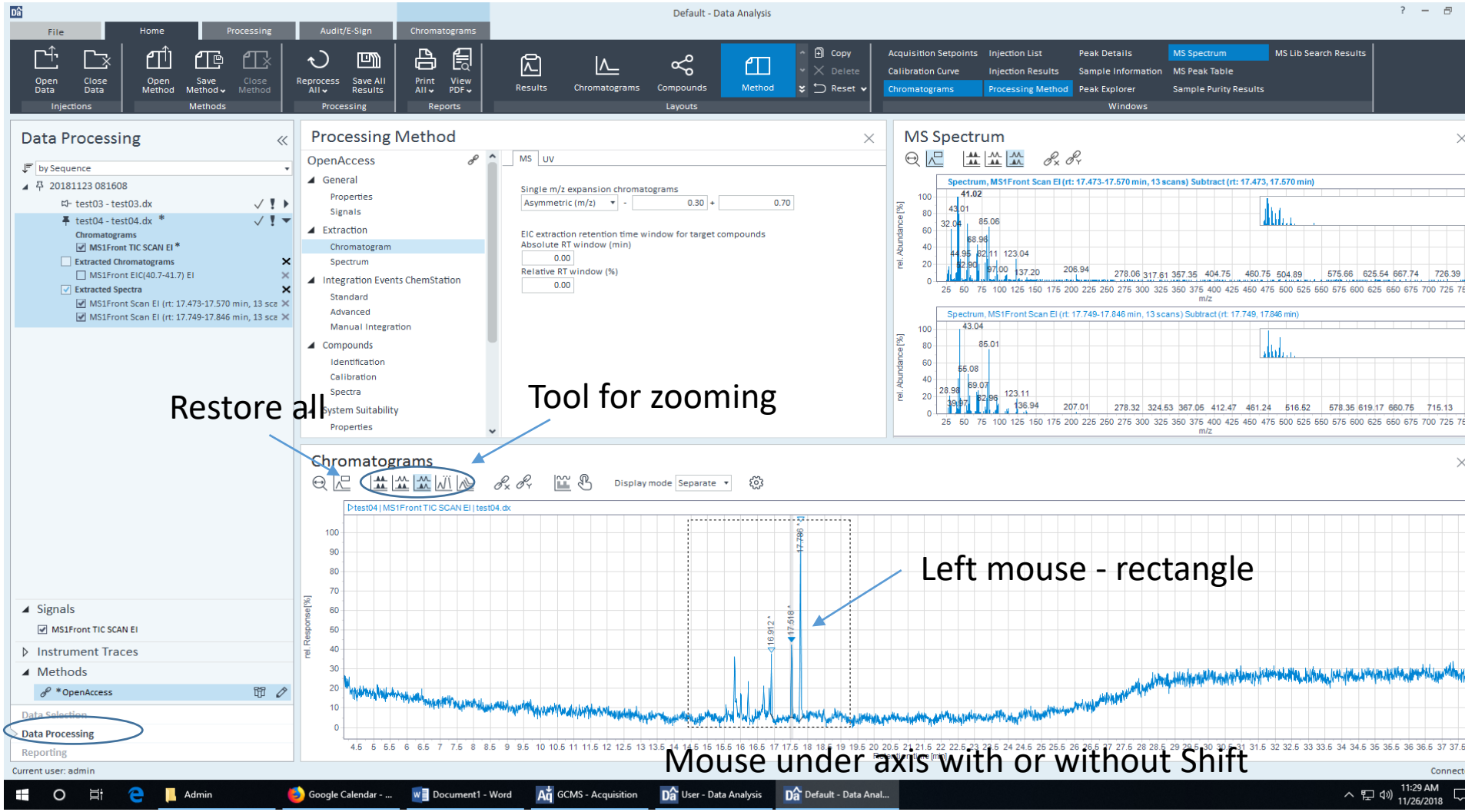
Data Analysis login



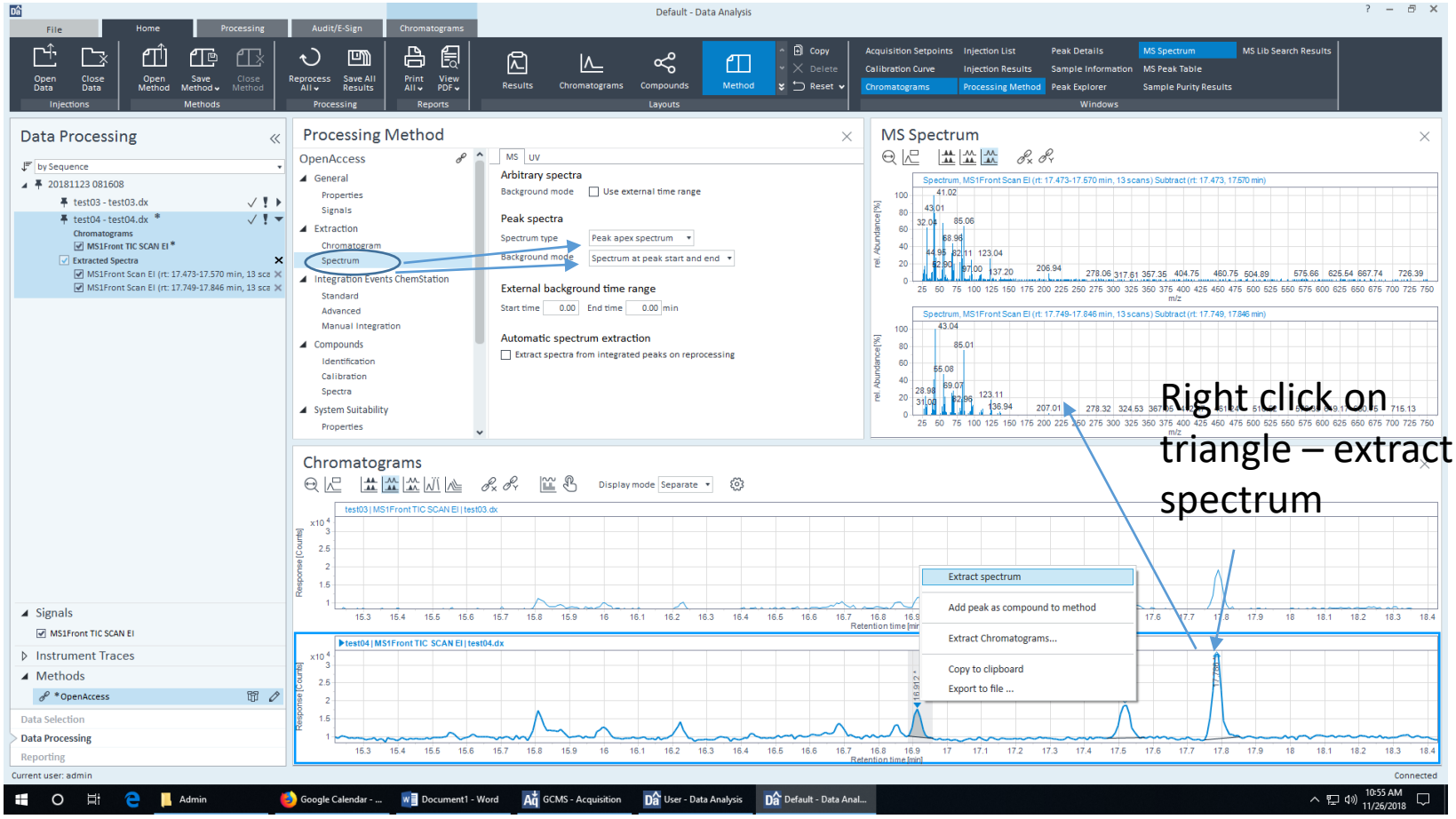
Load data


File
Home
Import/Export
Load Data
Refresh
Select Project
Injections
Projects
Data Selection
Default
20181123 081609
20181123 0
Shutdown-G
Shutdown-G
Test1
Test220181122 153849.rslt
Test220181122 154424
TestXXXX
Load data
Export
Import
+01-00.sirslt
+01-00.sirslt
Right click
Injection List
Order No
Inj. #
Sample name
Sample type
1 1 test03 Sample
2 1 test04 Sample
ISTD Amt 3
ISTD Amt 4
ISTD Amt 5
Multiplier 1
Multiplier
1.00000 1.000
1.00000 1.000
Methods & Templates
Data Selection
Data Processing
Reporting
Current user: admin
Connected
Admin
Google Calendar - ...
Document1 - Word
GCMS - Acquisition
User - Data Analysis
Default - Data Anal...
10:54 AM
11/26/2018

Zooming

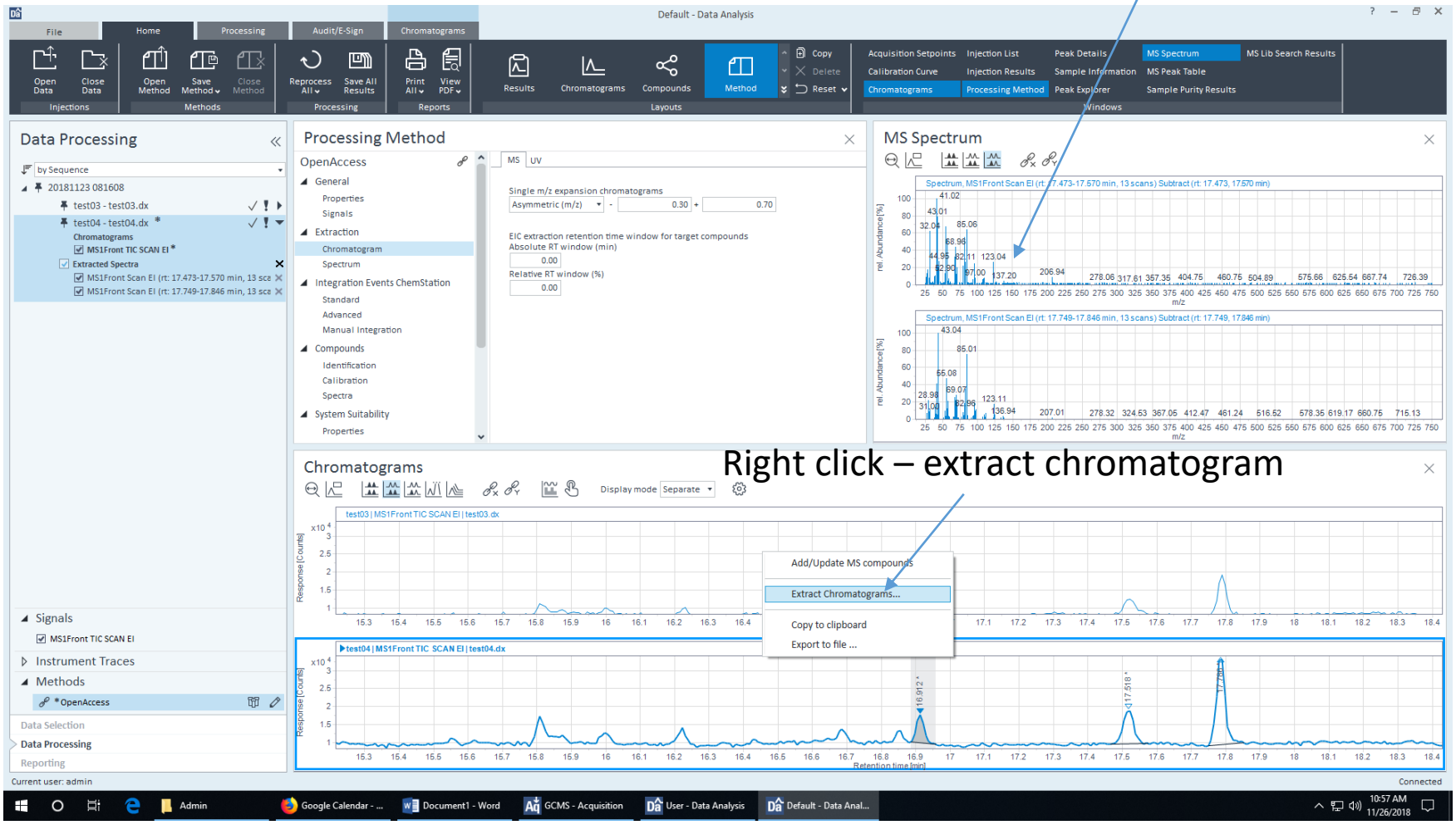

Default - Data Analysis
Data Processing
Processing Method
MS Spectrum
Chromatograms
Restore all
Tool for zooming
Left mouse - rectangle
Mouse under axis with or without Shift

Spectra with background extraction

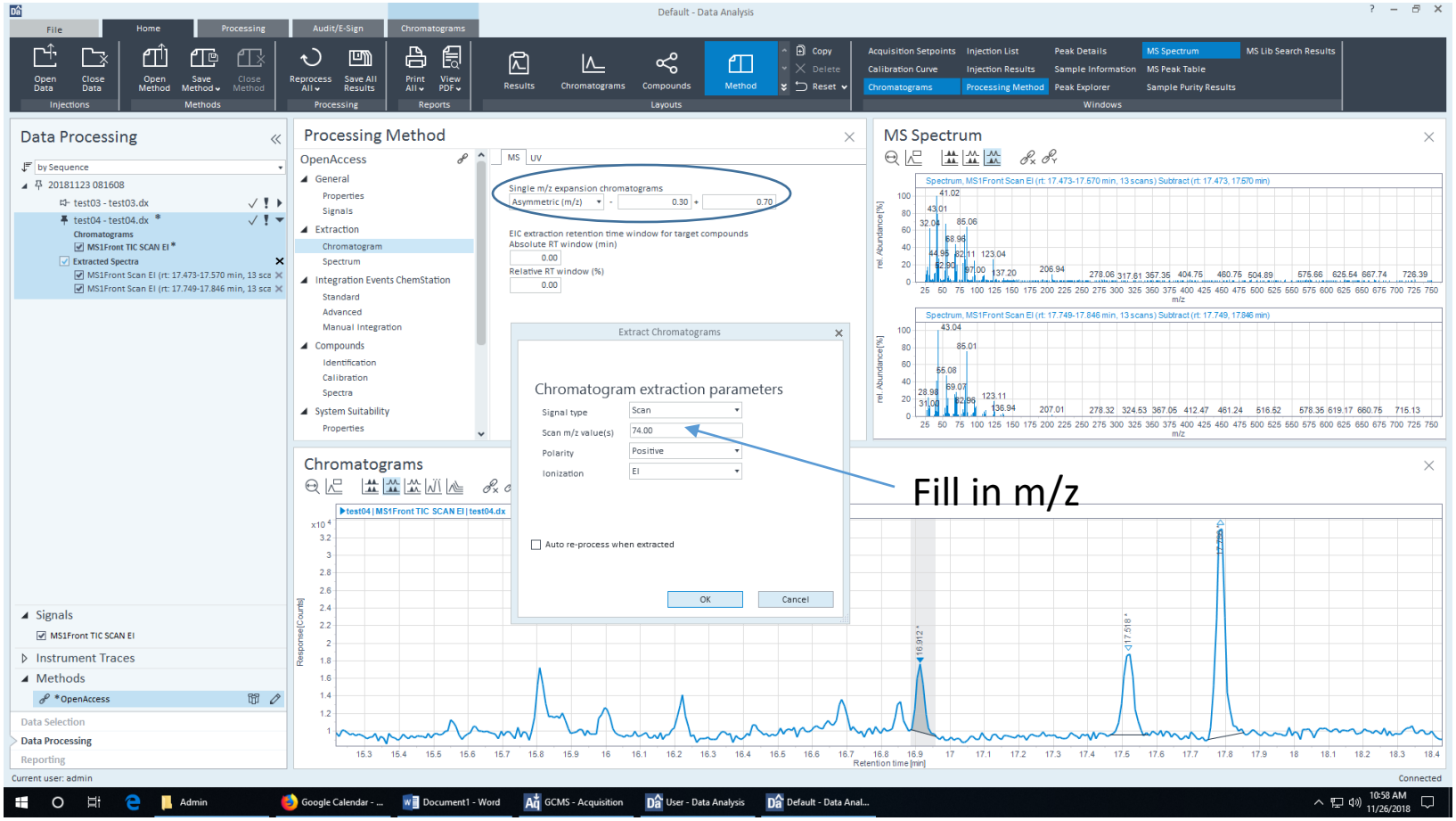


Click to *m/z* and extract chromatogram

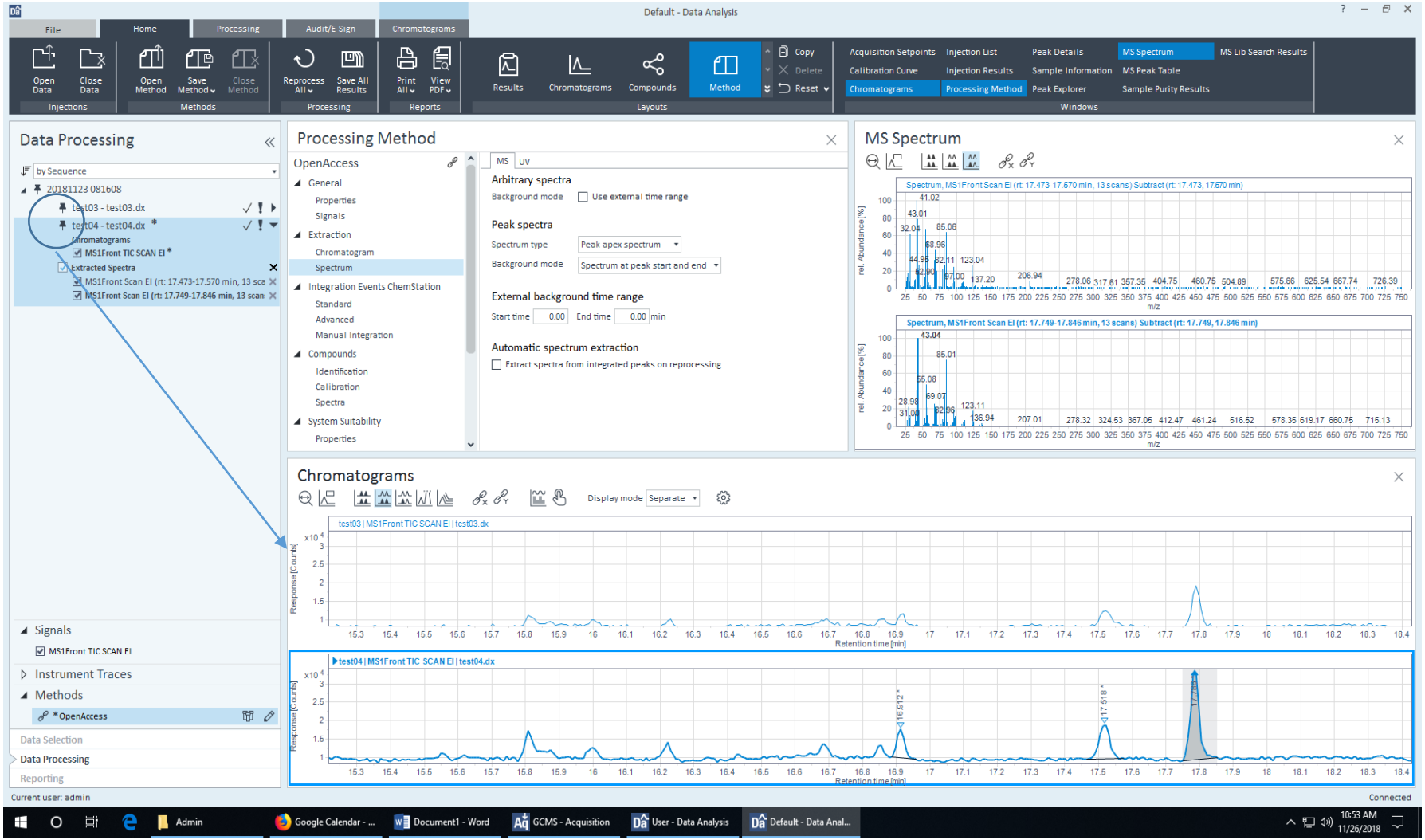
Extract chromatogram



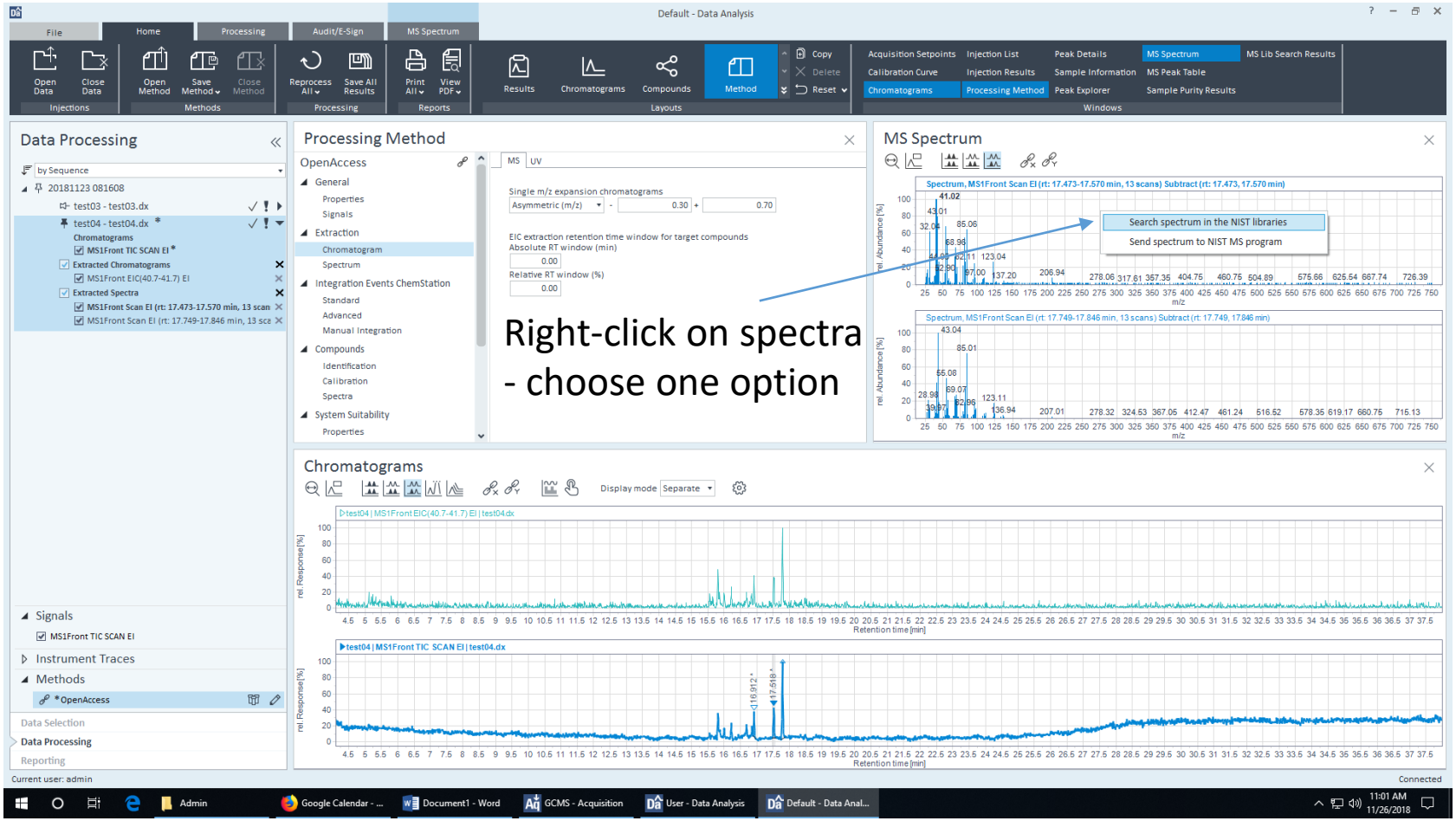
Extract chromatogram



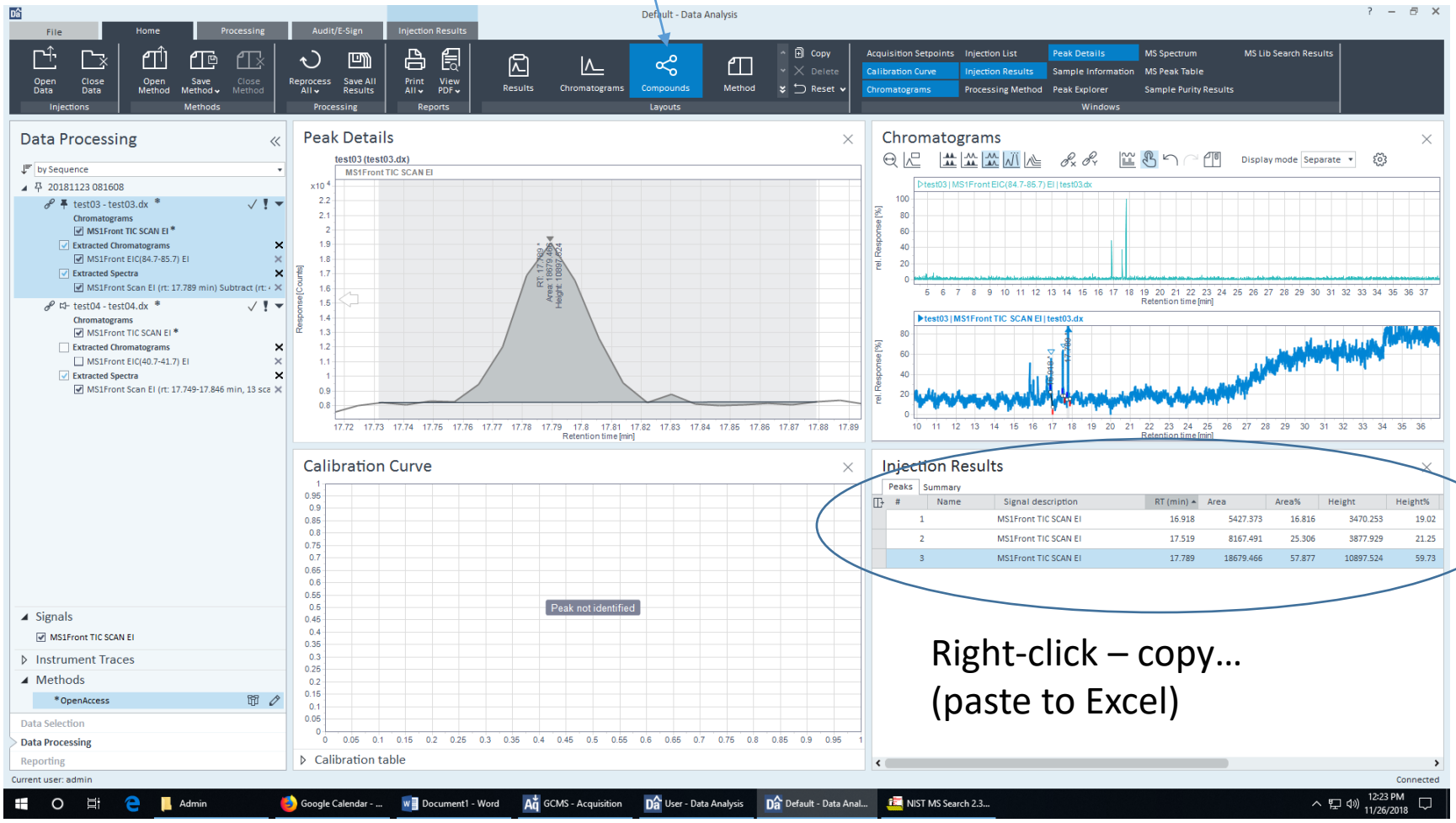
Overlay chromatogram



NIST search


Default - Data Analysis
Data Processing
Processing Method
MS Spectrum
Search spectrum in the NIST libraries
Send spectrum to NIST MS program
Right-click on spectra
- choose one option
Chromatograms

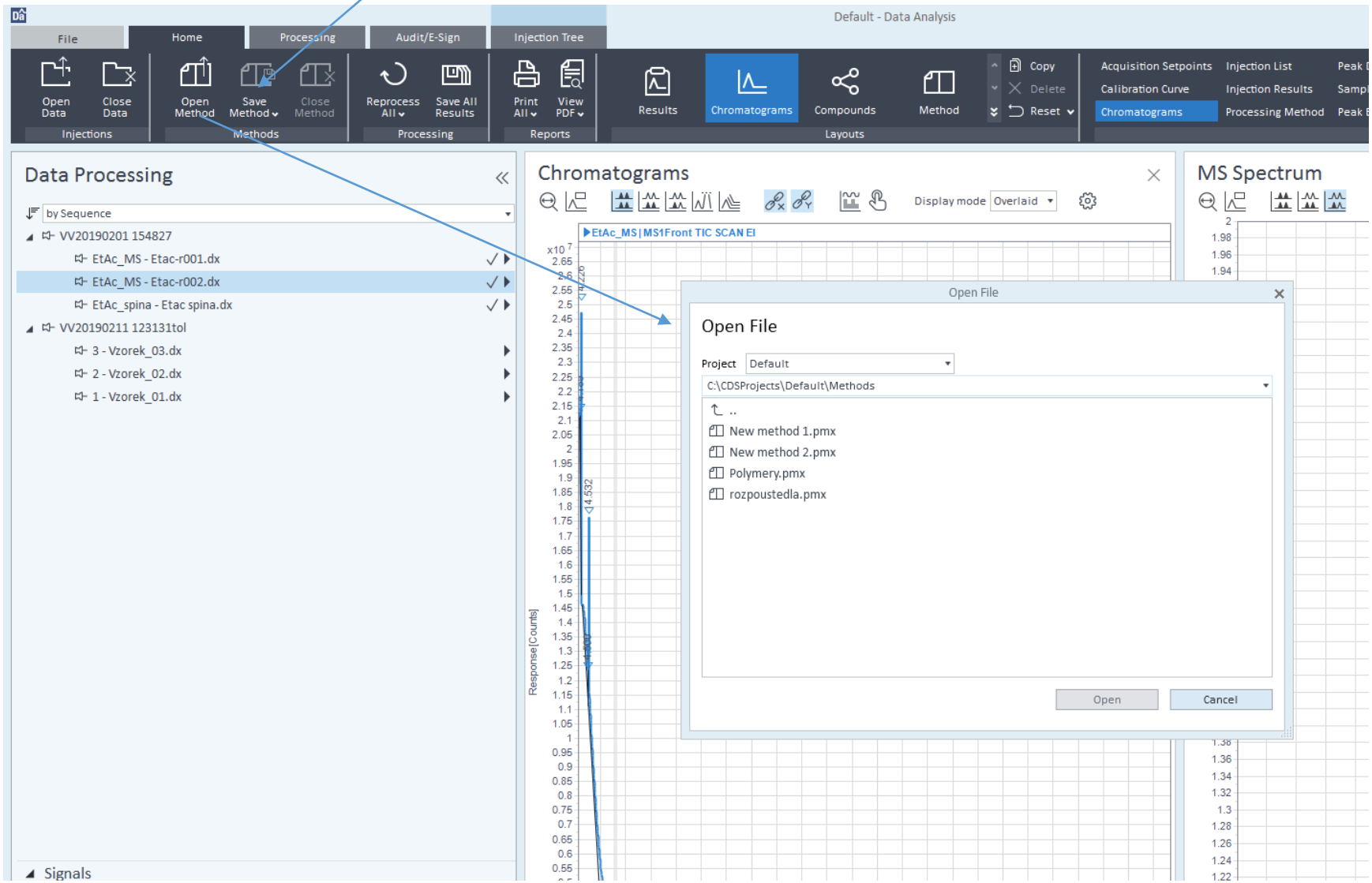
Integration results



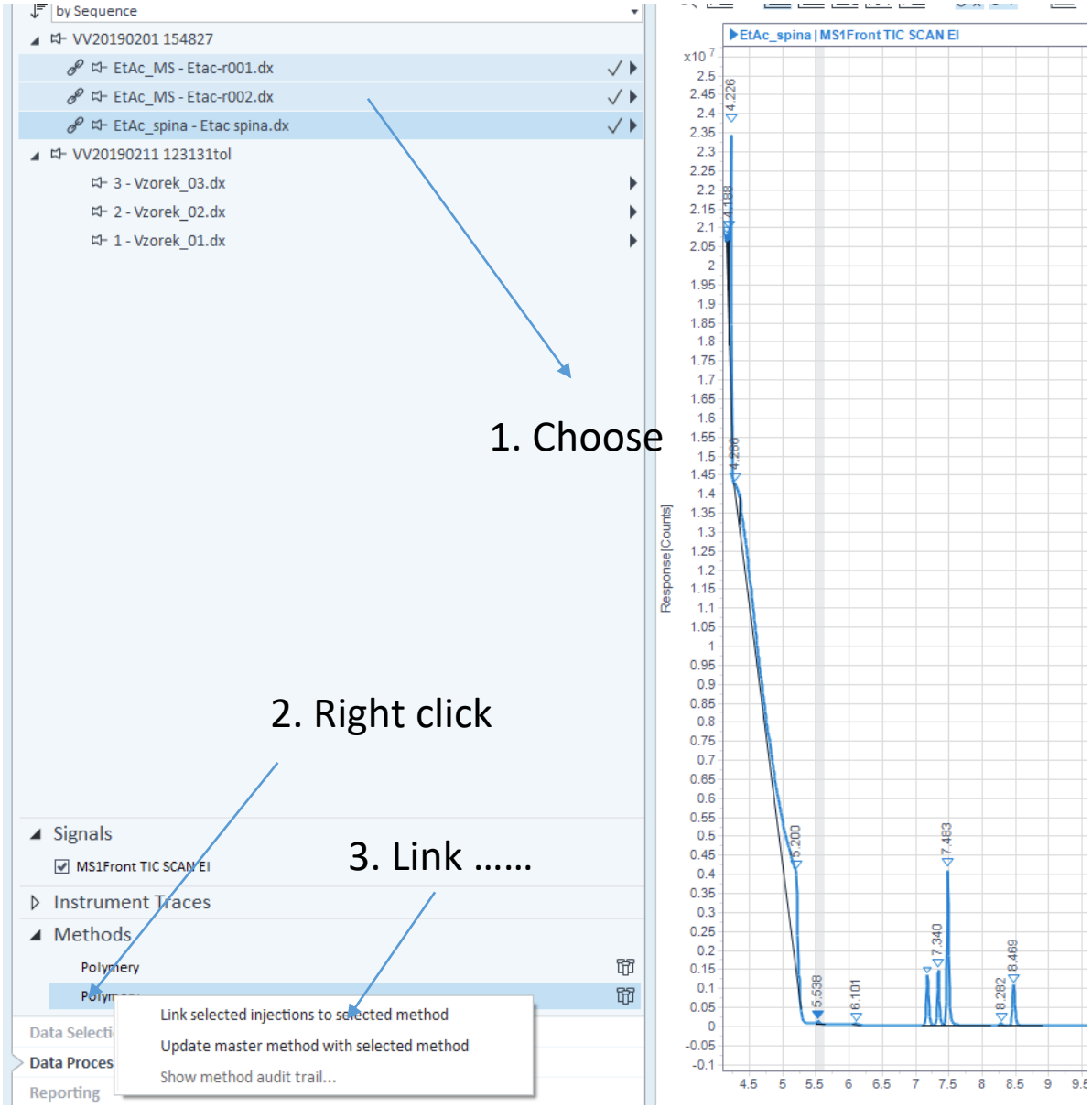
Right-click – copy…
(paste to Excel)

More advanced

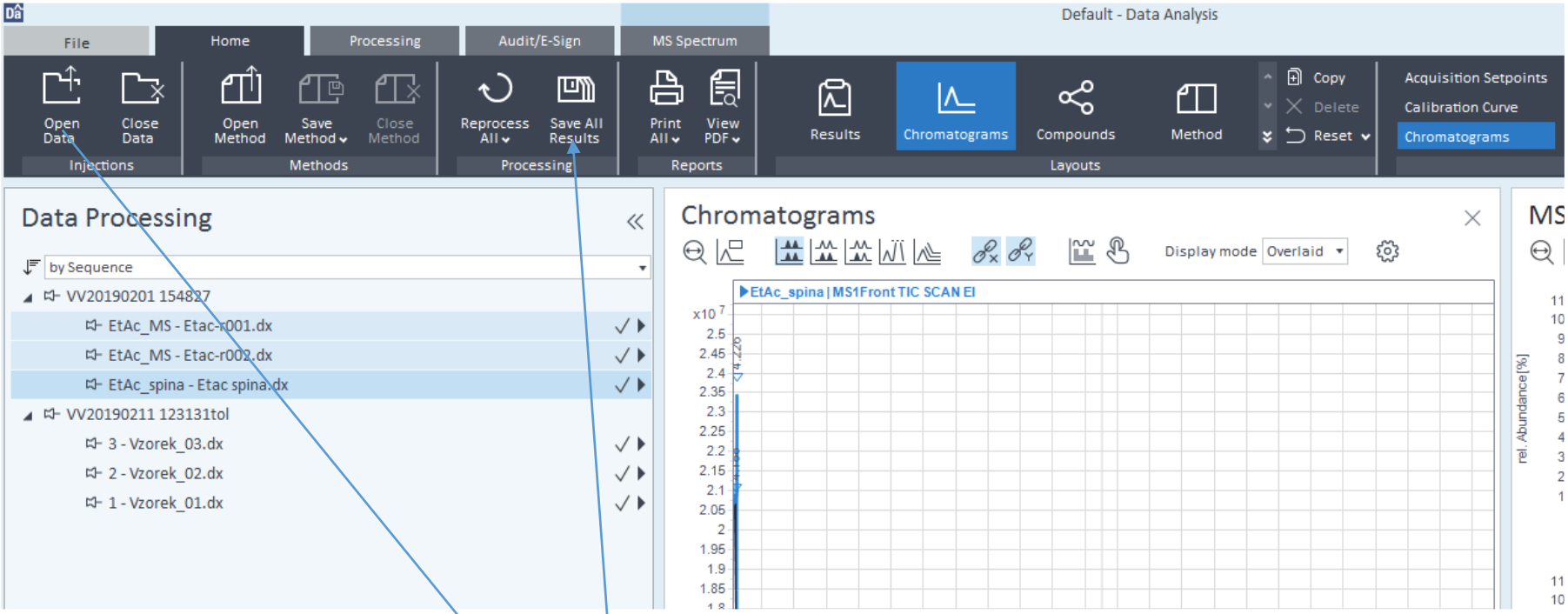
Method


Default - Data Analysis
File
Home
Processing
Audit/E-Sign
Injection Tree
Open Data
Close Data
Injections
Open Method
Save Method
Close Method
Methods
Reprocess All
Save All Results
Processing
Print All
View PDF
Reports
Results
Chromatograms
Compounds
Method
Layouts
Copy
Delete
Reset
Acquisition Setpoints
Calibration Curve
Chromatograms
Injection List
Injection Results
Processing Method
Data Processing
by Sequence
VV20190201 154827
EtAc_MS - Etac-r001.dx
EtAc_MS - Etac-r002.dx
EtAc_spina - Etac spina.dx
VV20190211 123131tol
3 - Vzorek_03.dx
2 - Vzorek_02.dx
1 - Vzorek_01.dx
Signals
Chromatograms
Display mode
Overlaid
EtAc_MS | MS1Front TIC SCAN EI
Response [Counts]
MS Spectrum
Open File
Open File
Project
Default
C:\CDSProjects\Default\Methods
..
New method 1.pmx
New method 2.pmx
Polymery.pmx
rozpoustedla.pmx
Open
Cancel

Link selected injections to selected method

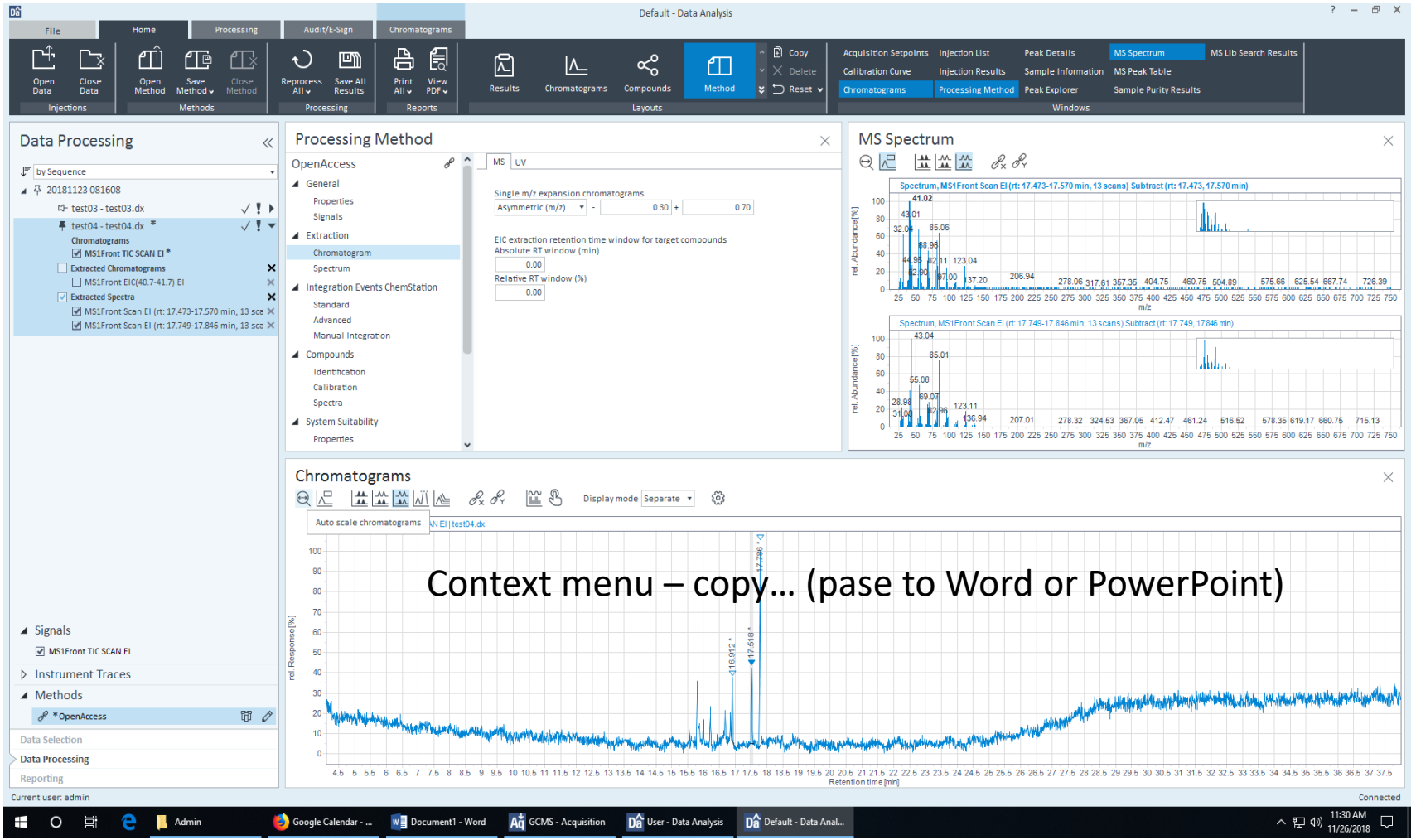


Save result



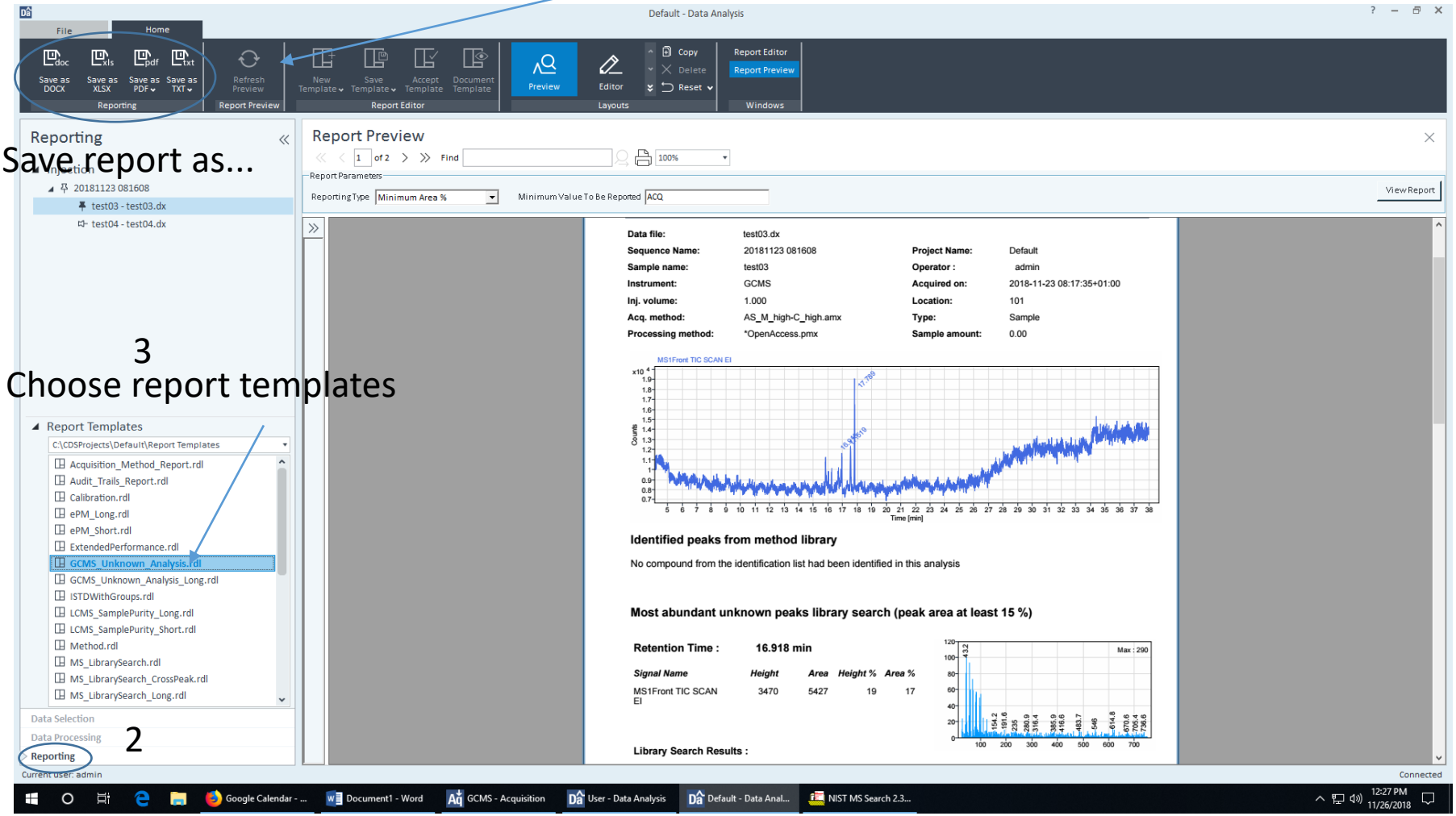
Save and open

Copy chromatogram

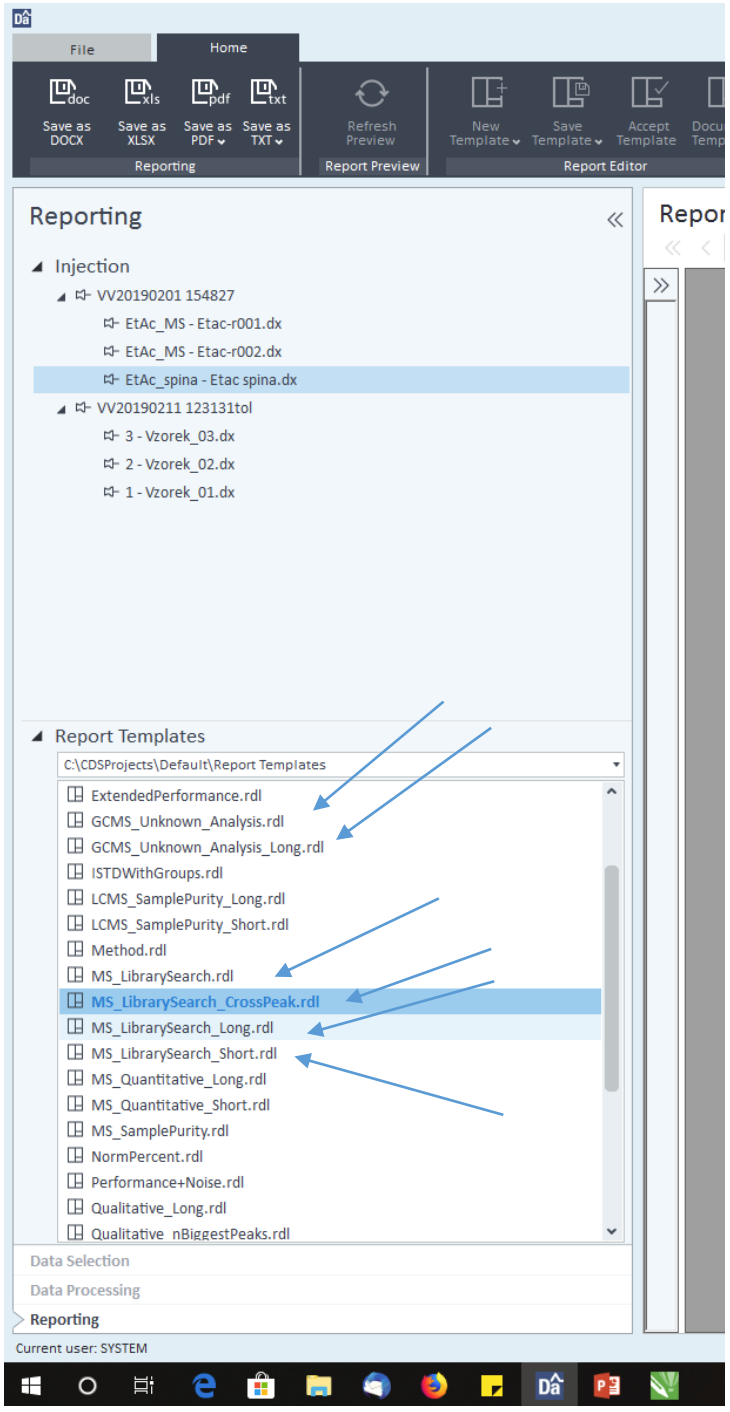


Reporting

1 Reprocess and save data before reporting and refresh preview



Useful report layouts



For more information contact Vladimír Vrkoslav

- A.1.85; Tel . 347

- You can get OpenLAB on your computer.
- Back up your data on your computer.
- Write down the sample(s) in the sample book!