Clarity™
ADVANCED CHROMATOGRAPHY SOFTWARE

CLARITY TRAINING

ADVANCED – PART 3

DataApex

AGENDA

- Batch processing
- Report Setup
  - Lab. header
  - Tiled signals
  - Order of sections
- Export data
  - Available options
- Archive & Backup
- Tips & Tricks
  - Customization
 - Post-run options
  - Command Lock
  - Shortcuts
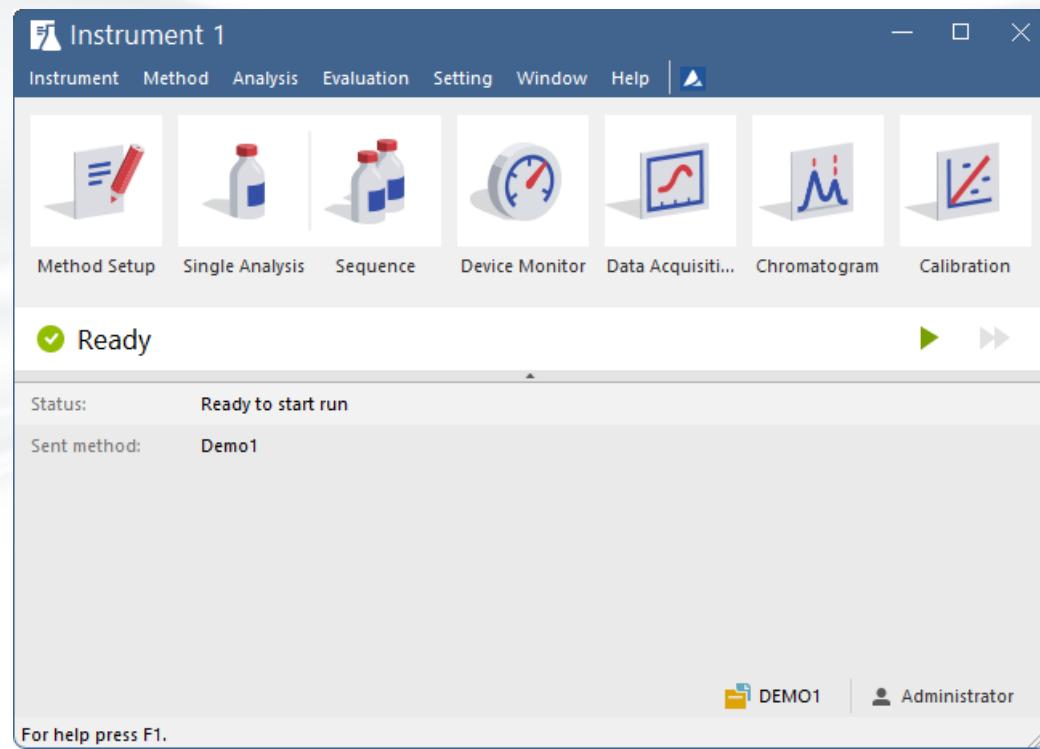
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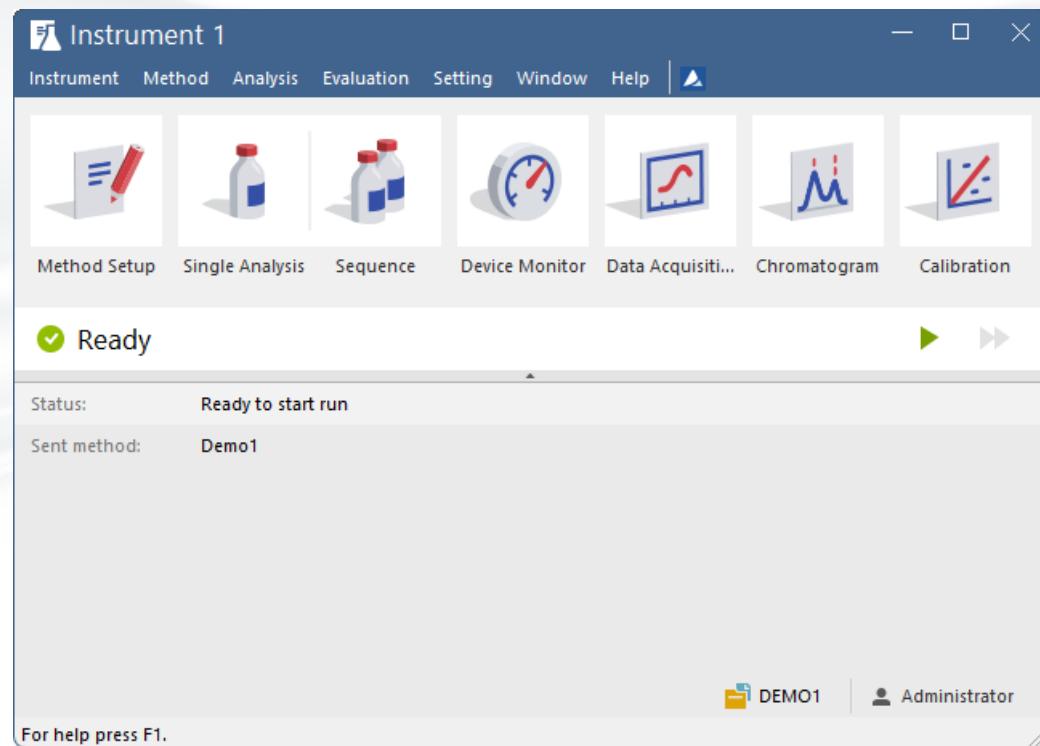
BATCH PROCESSING

BATCH

- File Types available for Batch: Chromatograms, Calibration Standards, Sequence Files

- **Reprocessing** chromatograms by selected method

- **Complete processing** of whole sequences

- Subsequent **printing** of results using a defined Report Style

- Opening via a program of choice or further processing of the exported data
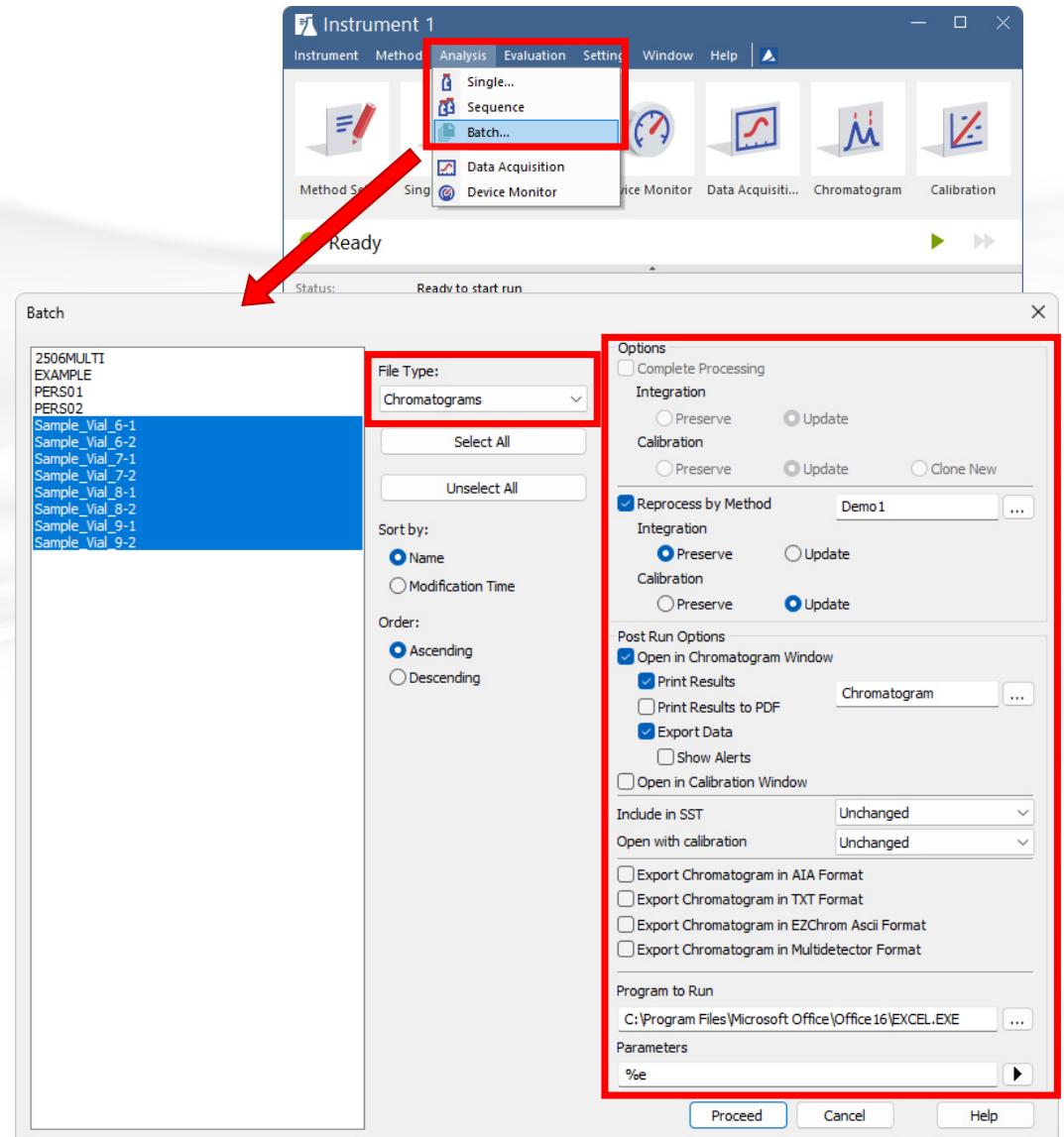
REPORT SETUP

LAB. HEADER

- Window header contains the name of the current report style (depending on the window it was opened from)

- Tabs which are to be printed are marked by a tick

- Custom image/logo can be set in the Lab. Header of the report
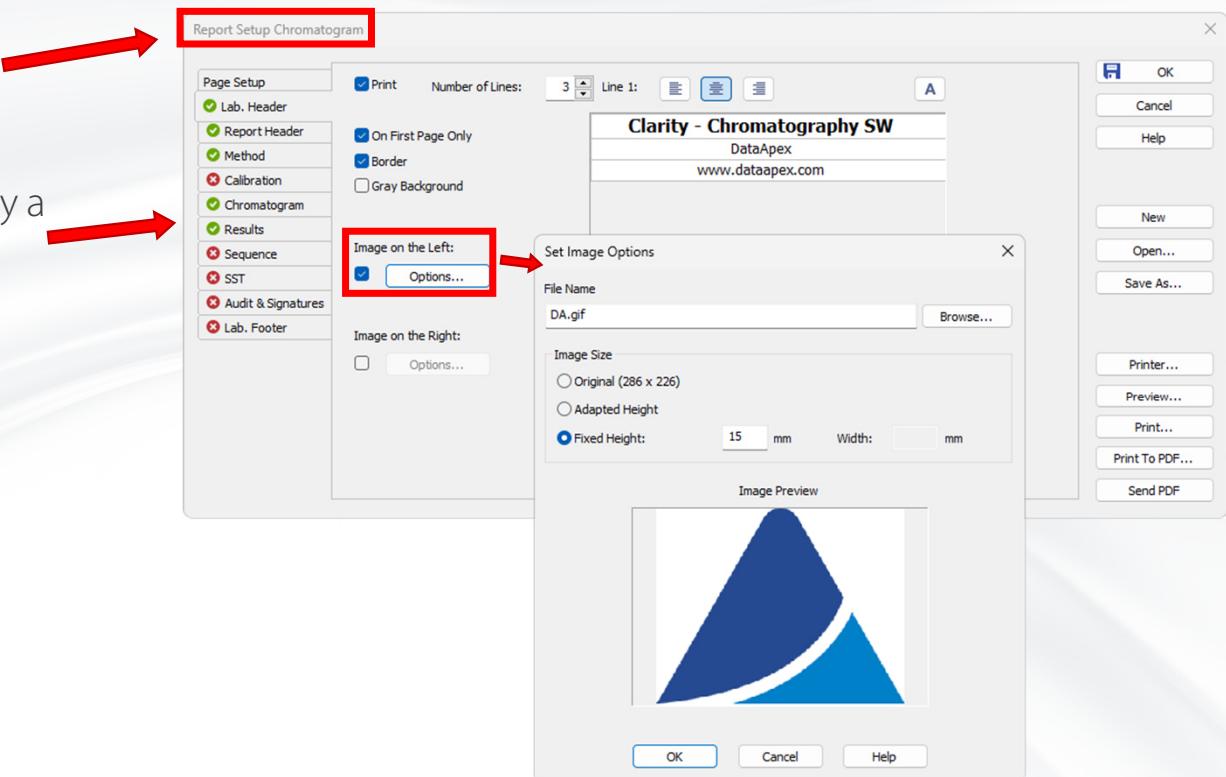
REPORT SETUP
TILED SIGNALS

▪ Chromatogram – Tiled by
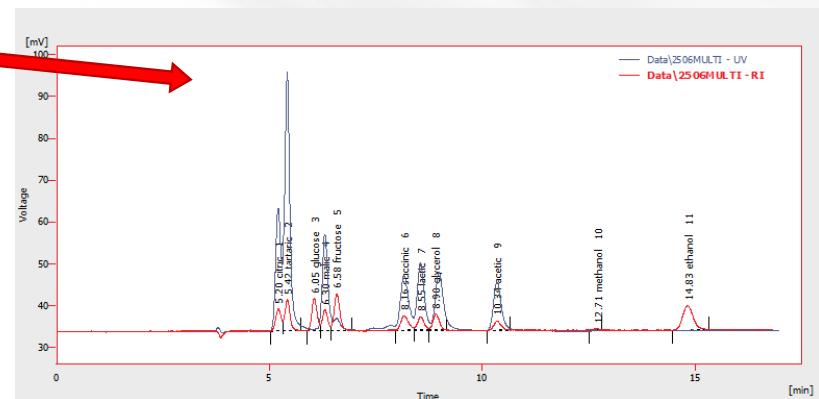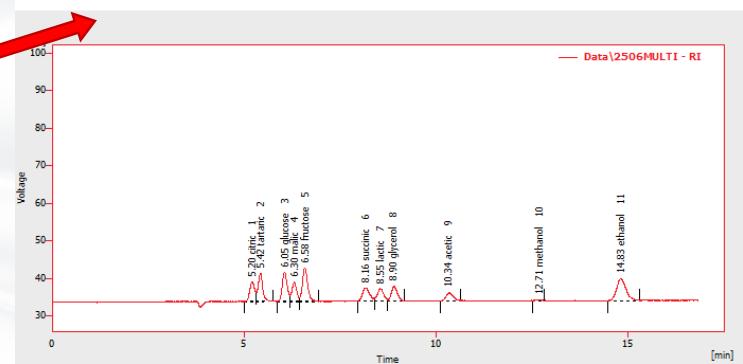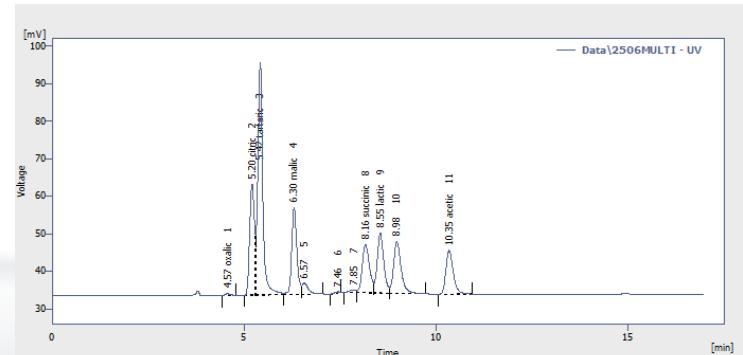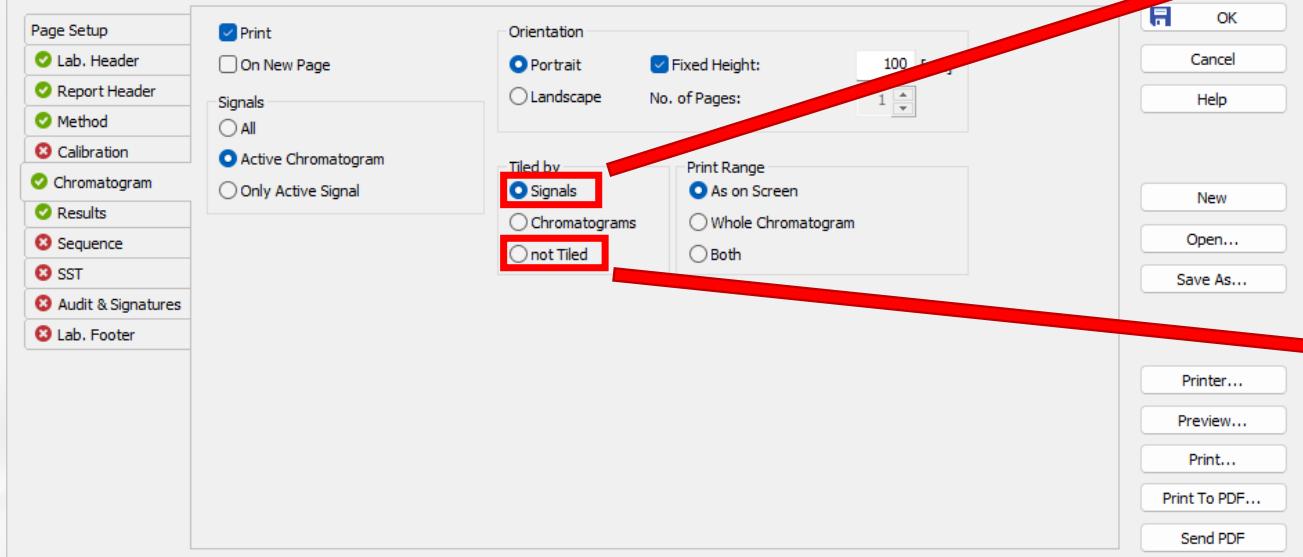
REPORT SETUP

ORDER OF SECTIONS

- Order of all tabs between Lab. Header and Audit & Signatures can be changed by left-clicking the tab and **dragging** it to the desired position or by right-clicking and selecting where to move the selected tab
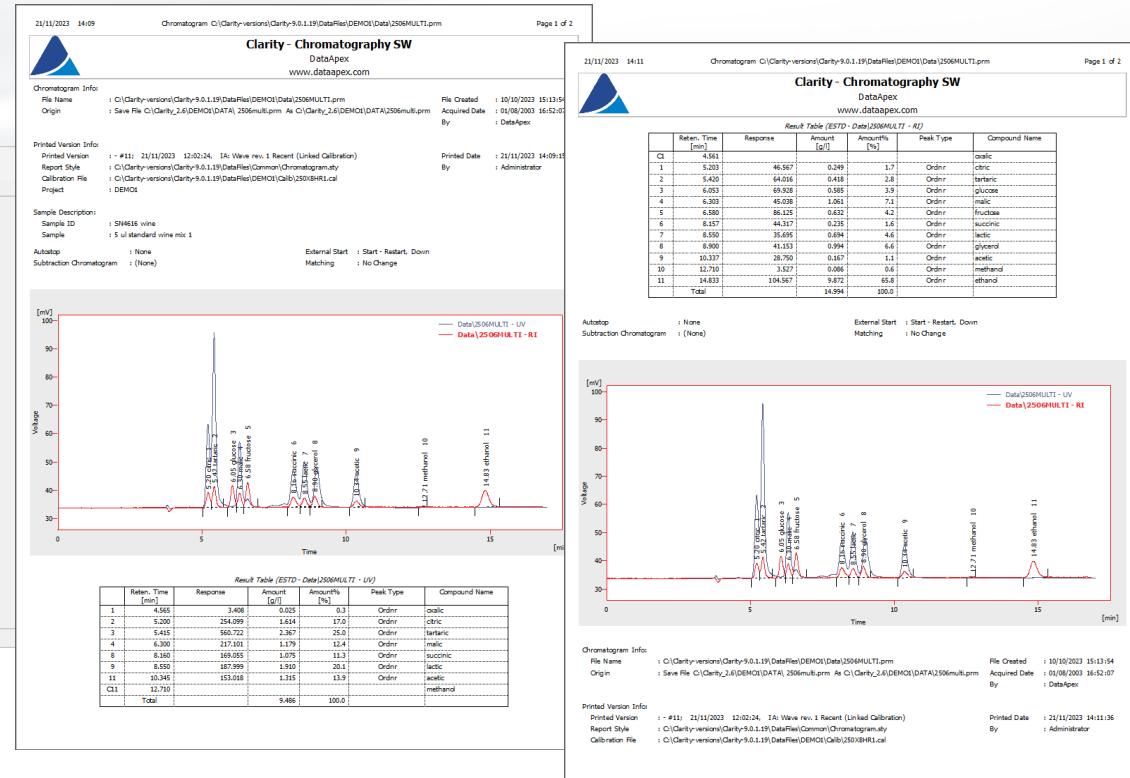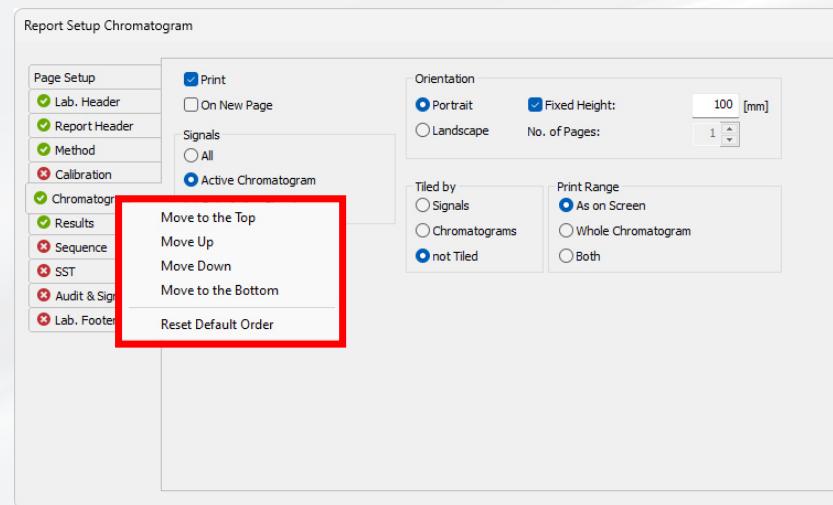
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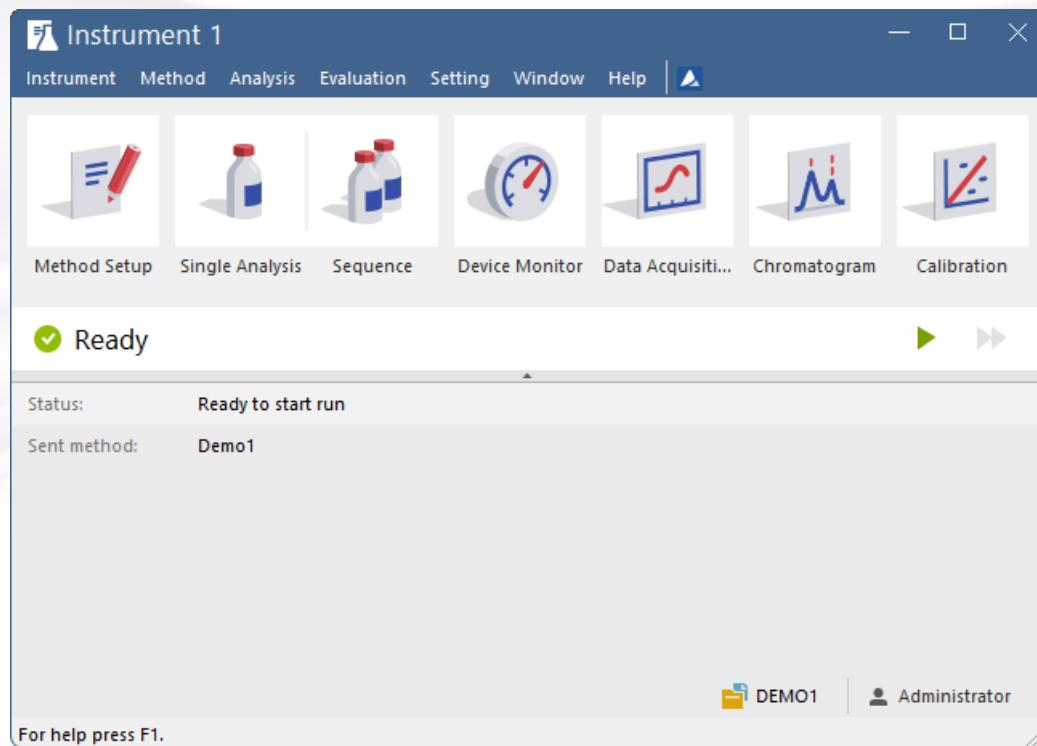
EXPORT DATA

OPTIONS

- Exporting data to other programs for further processing:
    - Straightforwad way: Select, Copy & Paste (Ctrl+C, Ctrl+V)
    - Automatic exports

- Global settings applied in the Export Data dialog are common for:
    - **Manual** export from the chromatogram window
    - Automatic export via **post run** after each run end
    - Automatic export via **batch reprocessing** or chromatograms/sequences

- Export chromatograms is possible in various formats

EXPORT DATA

INSTRUMENT WINDOW

- Chromatogram Header = export basic chromatogram info (File Name, Sample ID, Sample, Instrument, Amount, Dilution)

- Table Headers = column headers of the Result Table

- Full format = filename, date, and time for each row of the Result Table

- Append = export into a single file

- Blank field in the File Name field indicates the use of the current chromatogram name + .txt
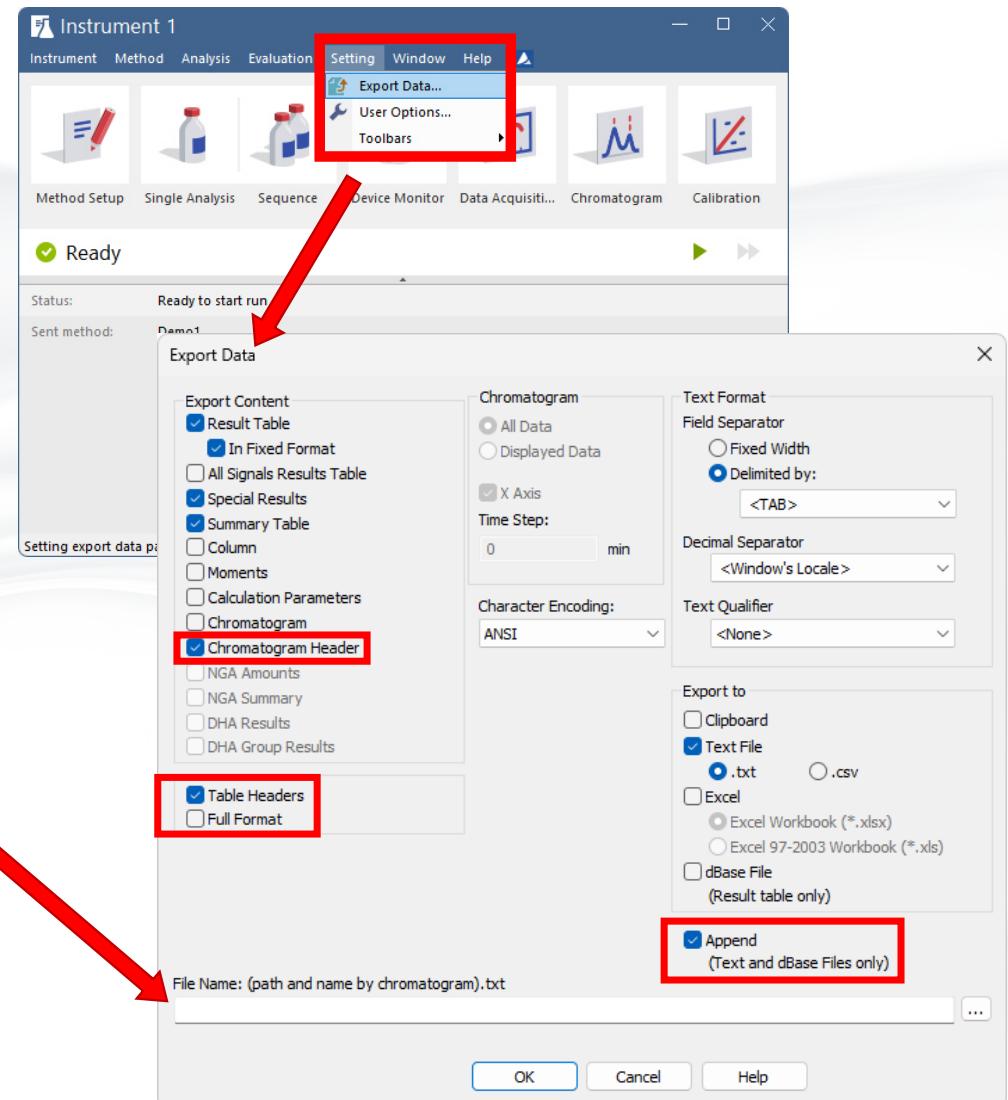
EXPORT DATA

CHROMATOGRAM WINDOW

- Additional export options are available; the Export Data dialog can be opened from Chromatogram as well

- You can also select table content to Copy & Paste
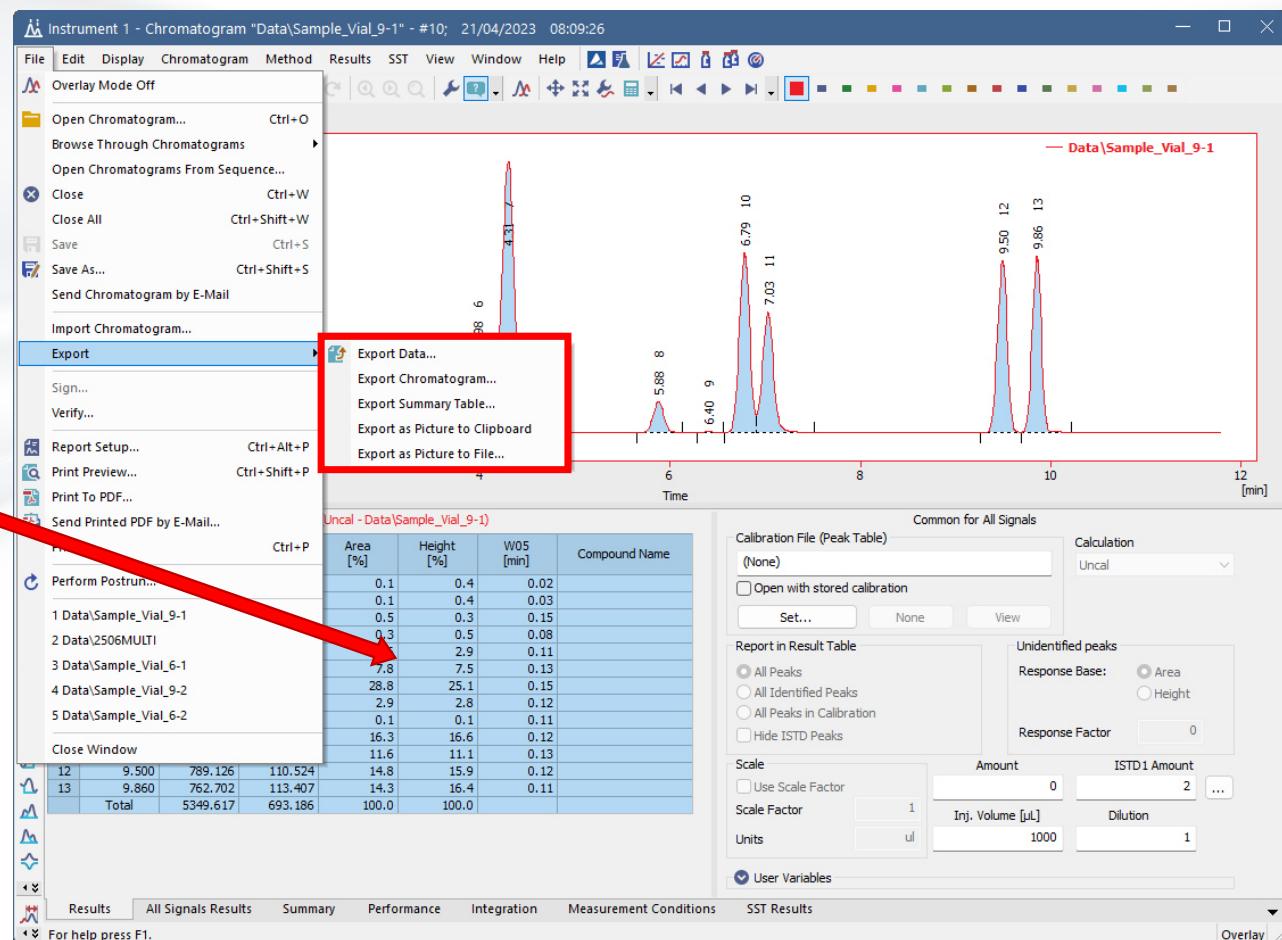
EXPORT DATA

SINGLE ANALYSIS POST RUN SETTINGS

- When the Export Data option is enabled, the export is performed automatically post-run, according to the settings in the Export Data dialog

- Chromatogram can be exported in different formats
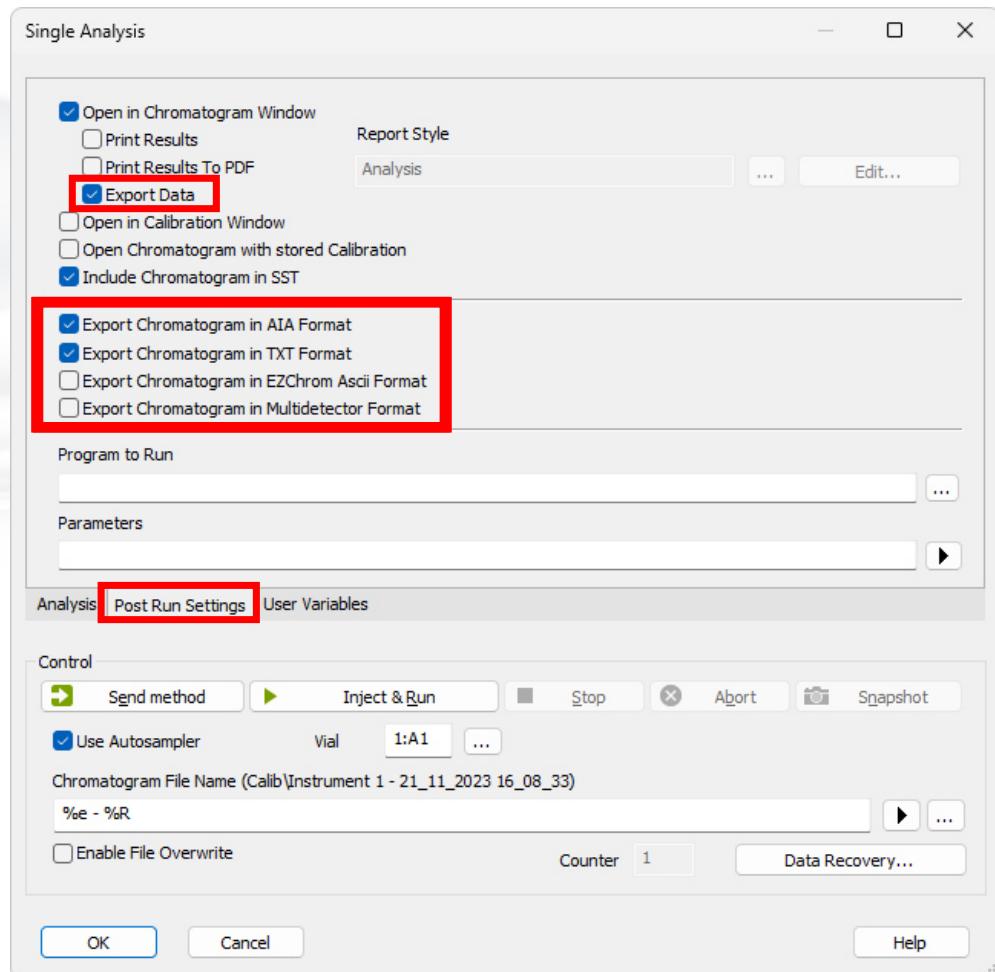
EXPORT DATA

SEQUENCE

- Export data automatically after the chromatogram in the row is measured

- The Export Data column can be added via Setup Columns

- The export is performed according to the settings in the Export Data dialog

- Together with the Export Data option, the Open option must be checked as well

EXPORT DATA

BATCH

- Export data for multiple chromatograms using the Batch dialog

- The export is performed according to the settings in the Export Data dialog

- Chromatograms can be exported in various formats
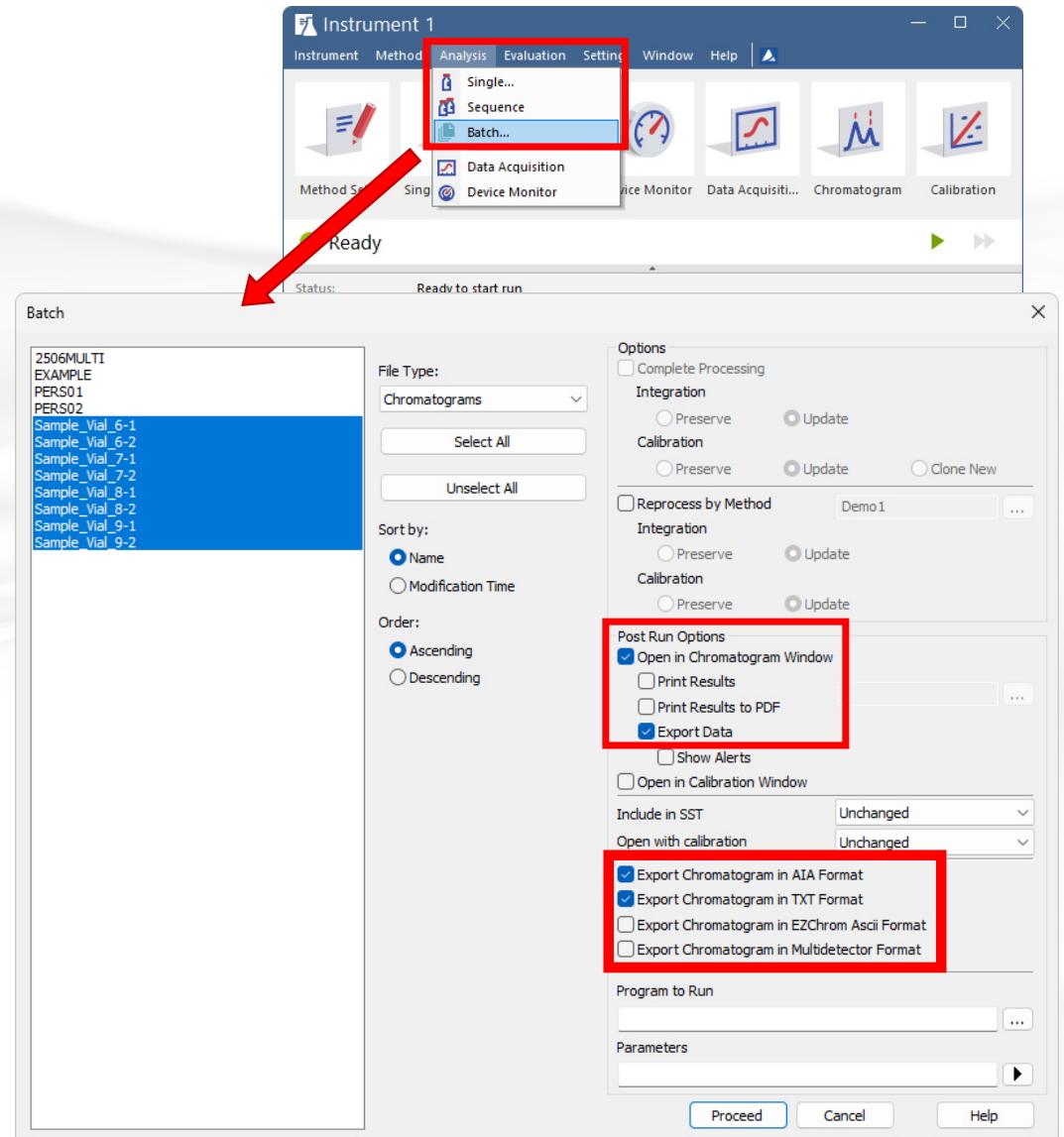
EXPORT DATA
TEXT FILE FORMAT

EXPORT DATA

EXCEL (*.XLSX) FORMAT

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ARCHIVE & RESTORE

OVERVIEW

- Data can be **compressed to *.dgz archive** files with reduced size

- Writing into an existing *.dgz archive **replaces** all the preset data (appending is not possible)

- Plan ahead: the project structure should allow you to archive whole projects when necessary

- Access Create/Restore functions via **Instrument**
    - Choose which file type to archive

- Without compressing:
    - When checked, **no archive** is created; the selected files are copied/moved
    - When **not** checked, an **archive** containing selected files is **created**, located according to Target File Name
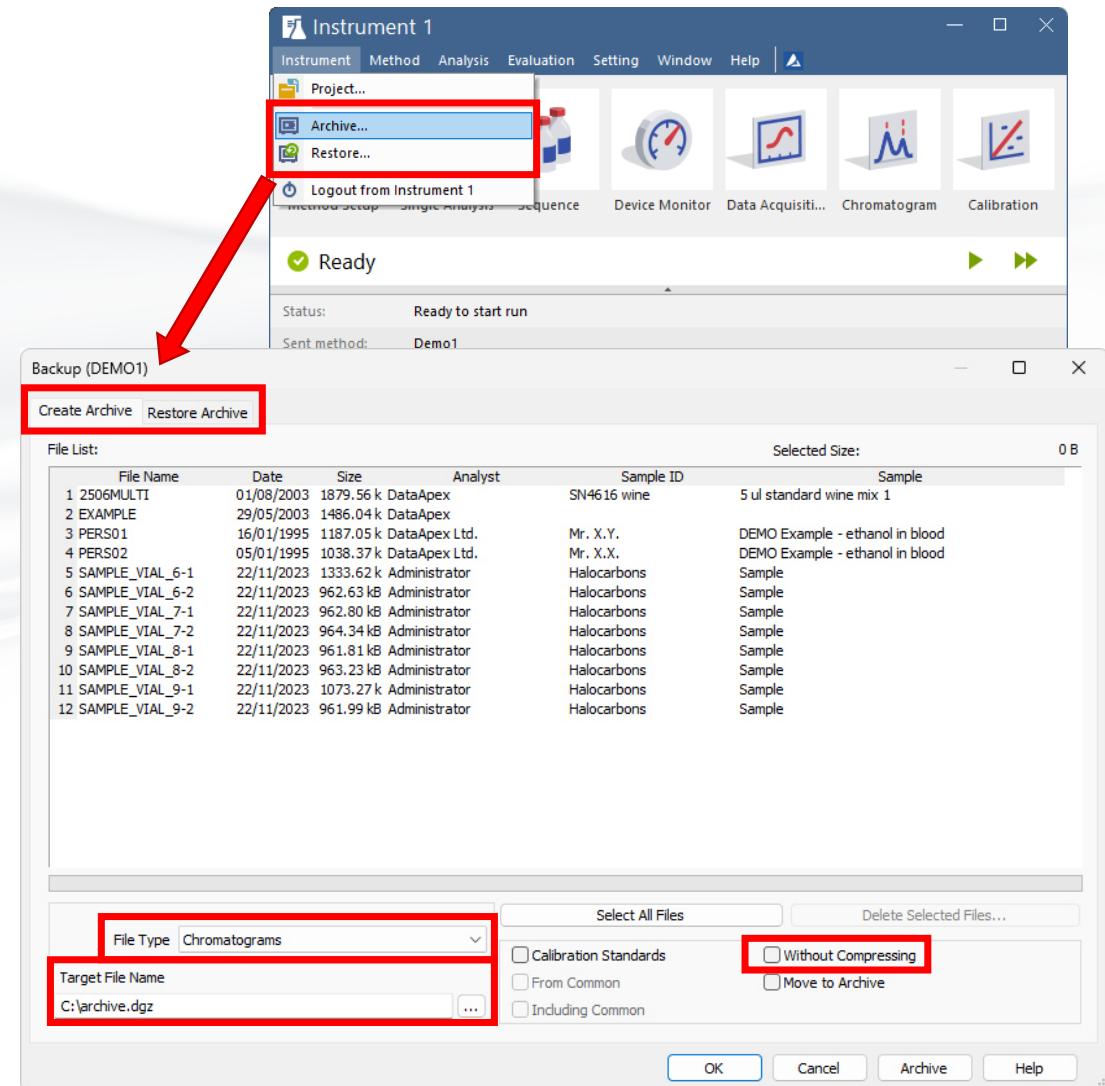
TIPS & TRICKS

CUSTOMIZATION

- You can customize Clarity to your preferred use in several ways

- Open the Customize dialog by right-clicking the toolbar and selecting **Customize…**

  - To add command icons to the toolbar, drag them from the menu in the **Commands** tab

  - To change the Toolbar options, use the **Toolbars** tab or (un)select the corresponding items in the context menu
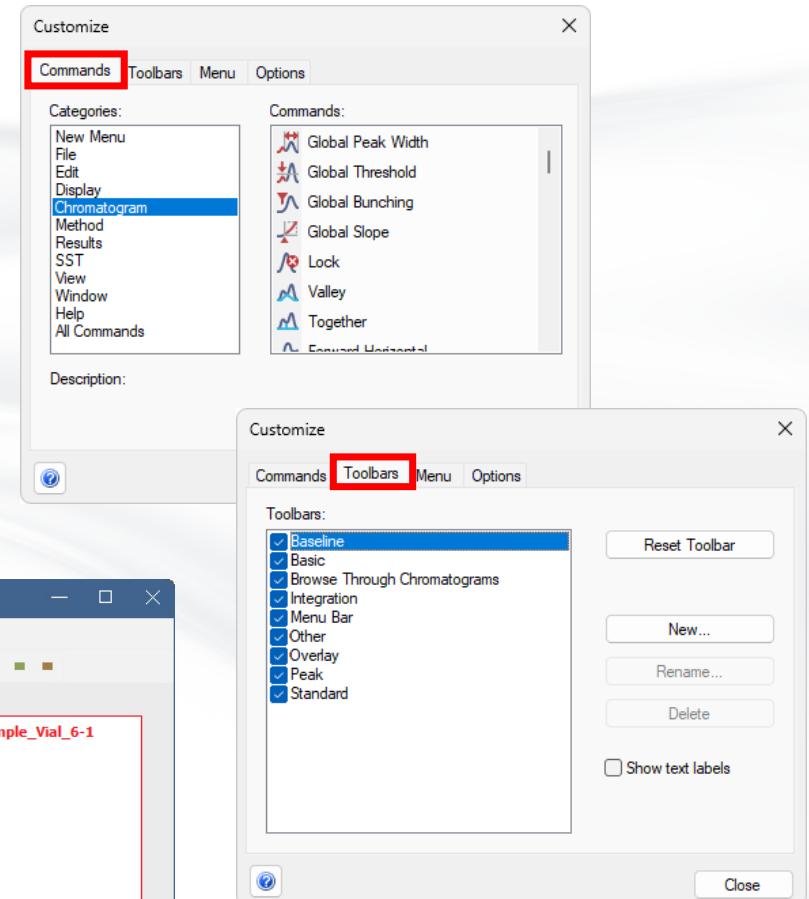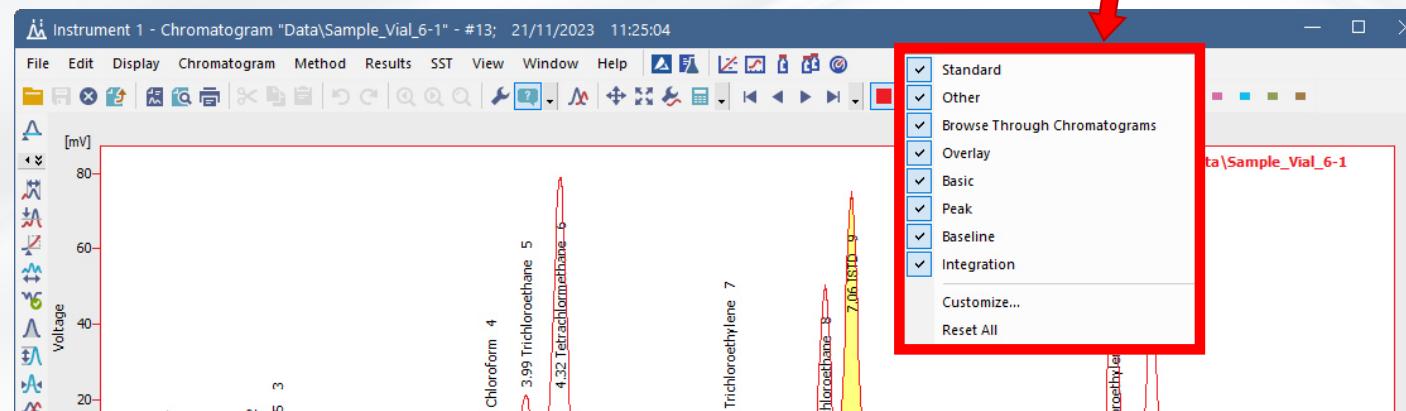
TIPS & TRICKS
PERFORM POST RUN ACTIONS

- PostRun Setting dialog is accessible from the menu File; the icon for Post Run can be added via Customize
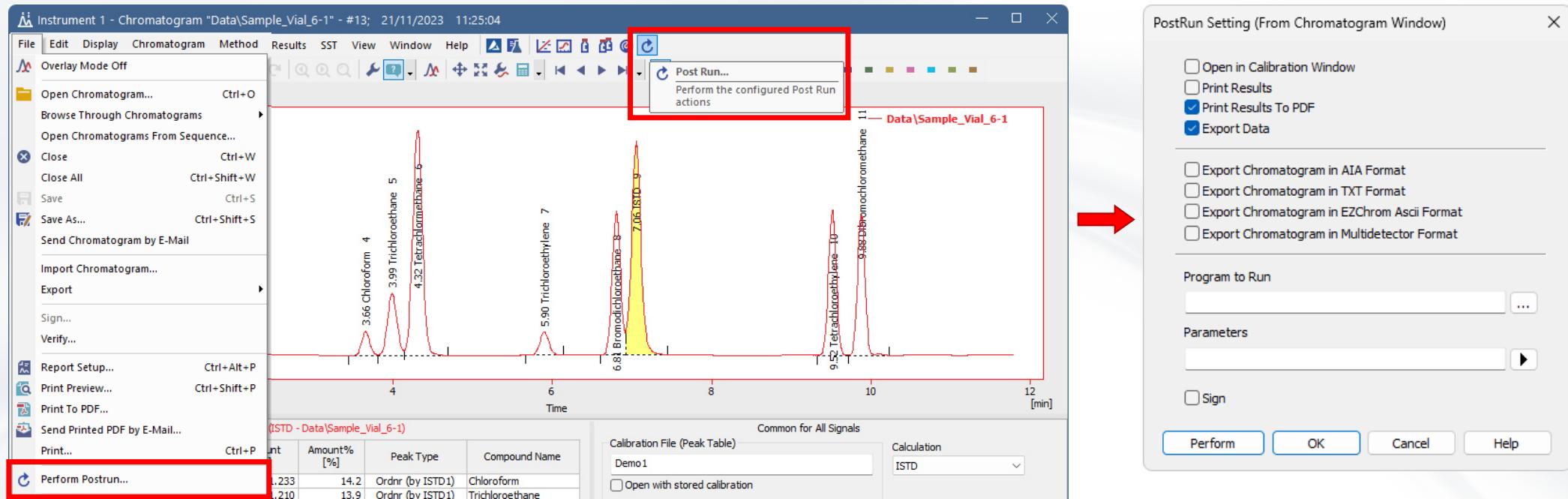
TIPS & TRICKS

COMMAND LOCK

- Pressing **Ctrl** when invoking a command will **lock** the command for **repeated use**
  - This is useful when changing start/end for multiple peaks etc.
- Terminate the command by **Esc**
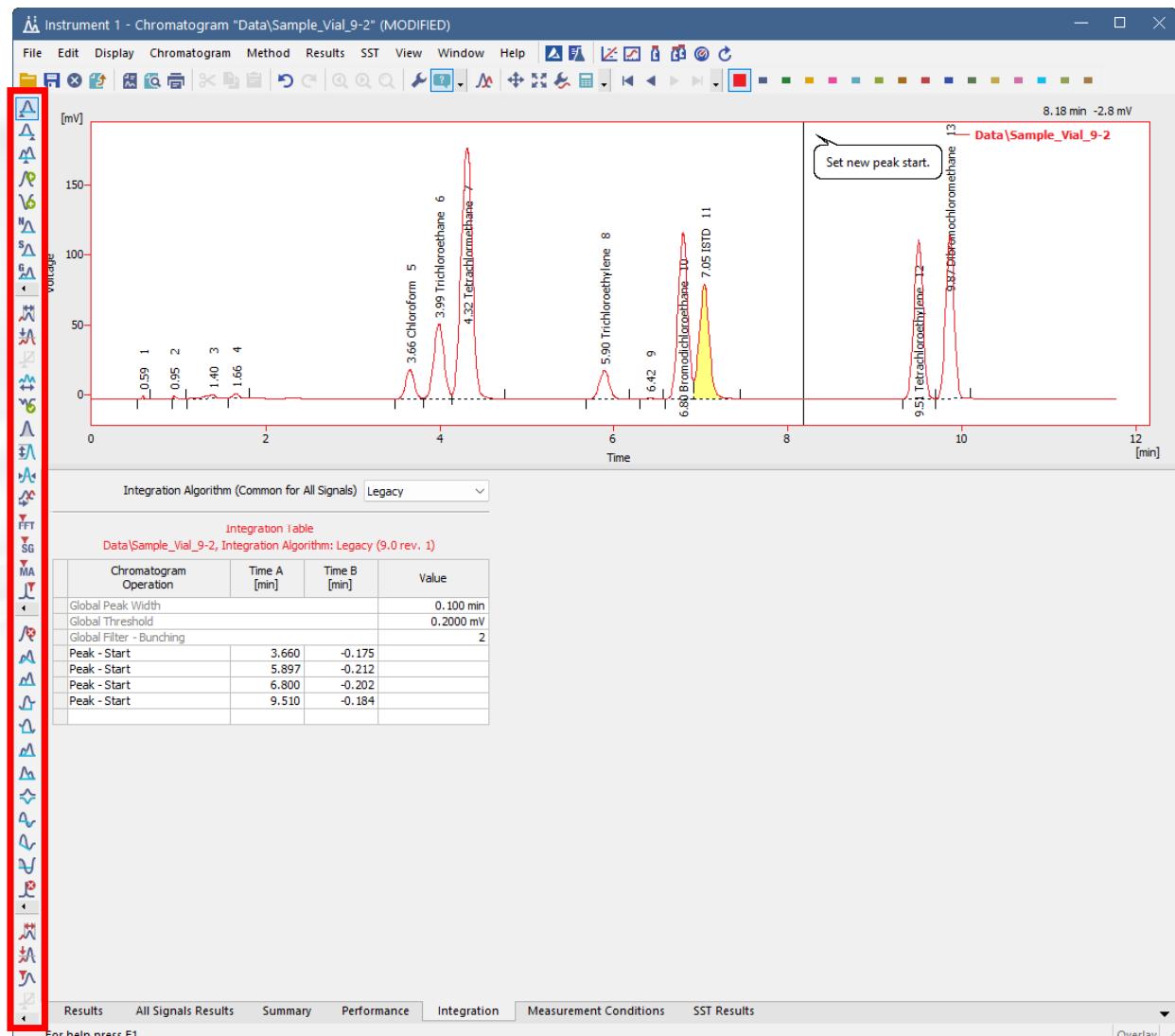
TIPS & TRICKS

SHORTCUTS

▪ Most useful Clarity shortcuts

Graphs

Unzoom:	**Ctrl** + [*]
Zoom In/Out:	[+] / [−] or **Ctrl** + MOUSE WHEEL
Zoom Vertical:	**Ctrl** + **Shift** + MOUSE WHEEL
Move (all directions):	**Ctrl** + LEFT MOUSE BUTTON
Move Left & Right:	**Shift** + MOUSE WHEEL
Move Up & Down:	MOUSE WHEEL

General & File

Open File:	**Ctrl** + **O**
Save File:	**Ctrl** + **S**
Close File:	**Ctrl** + **W**
Swap windows:	**Alt** + **Tab**
Copy:	**Ctrl** + **C**
Paste:	**Ctrl** + **V**

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THANK YOU FOR YOUR ATTENTION

NEXT TRAINING COMING SOON

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