



Clarity™

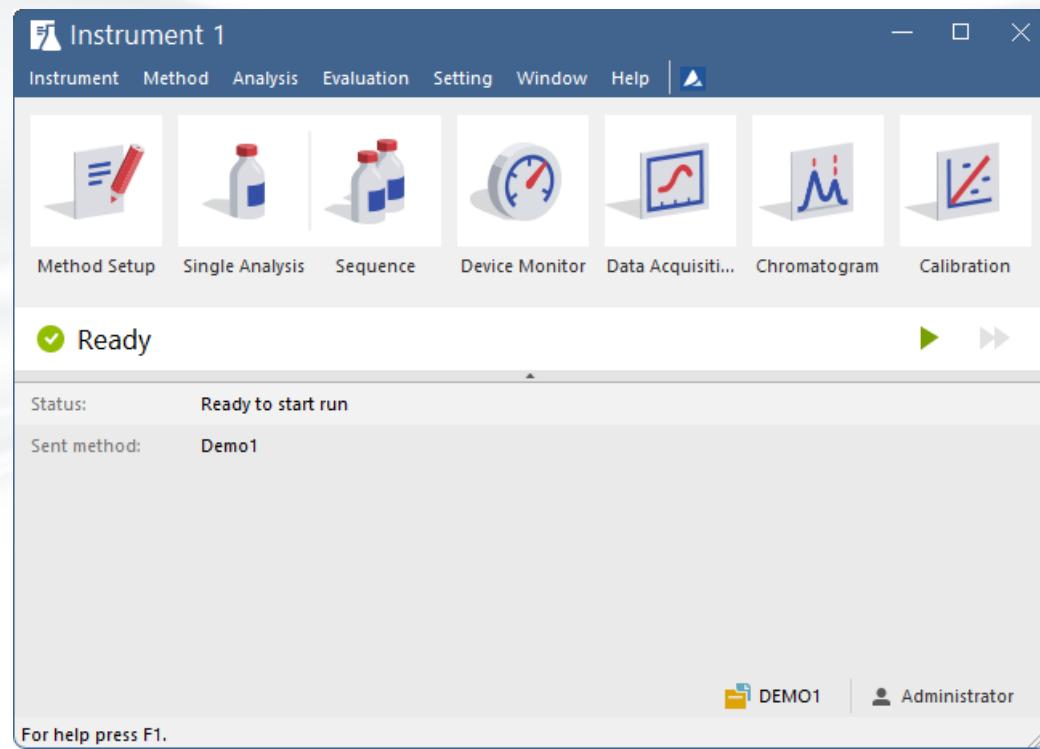
ADVANCED CHROMATOGRAPHY SOFTWARE

CLARITY TRAINING

ADVANCED – PART 3

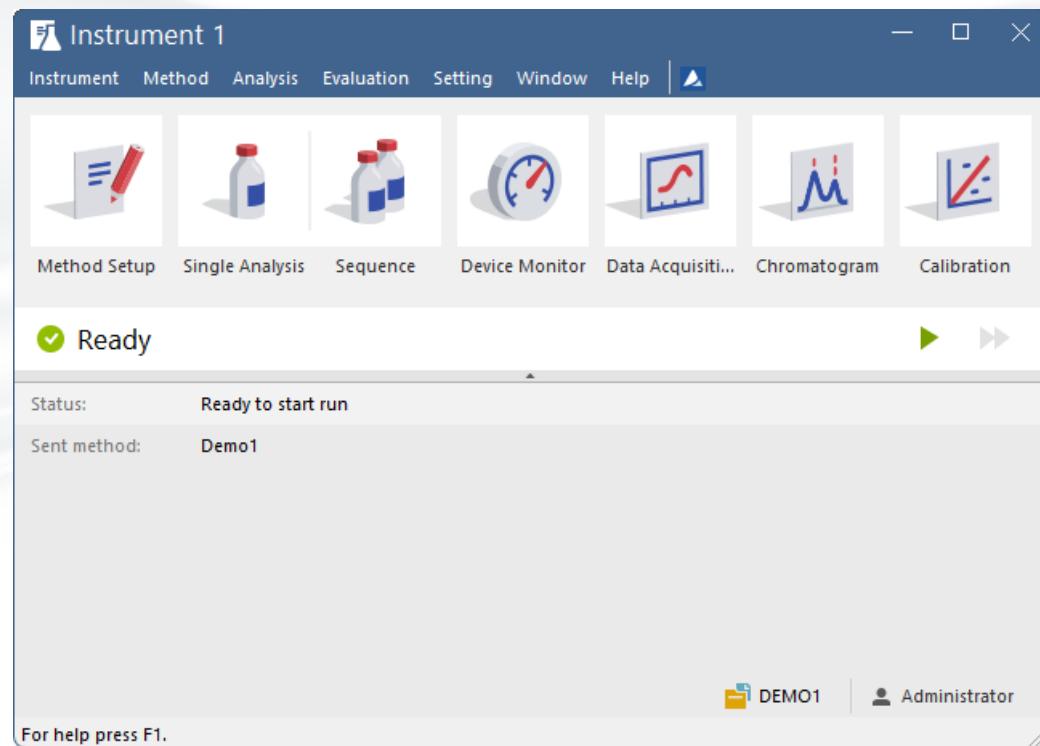
AGENDA

- 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



AGENDA

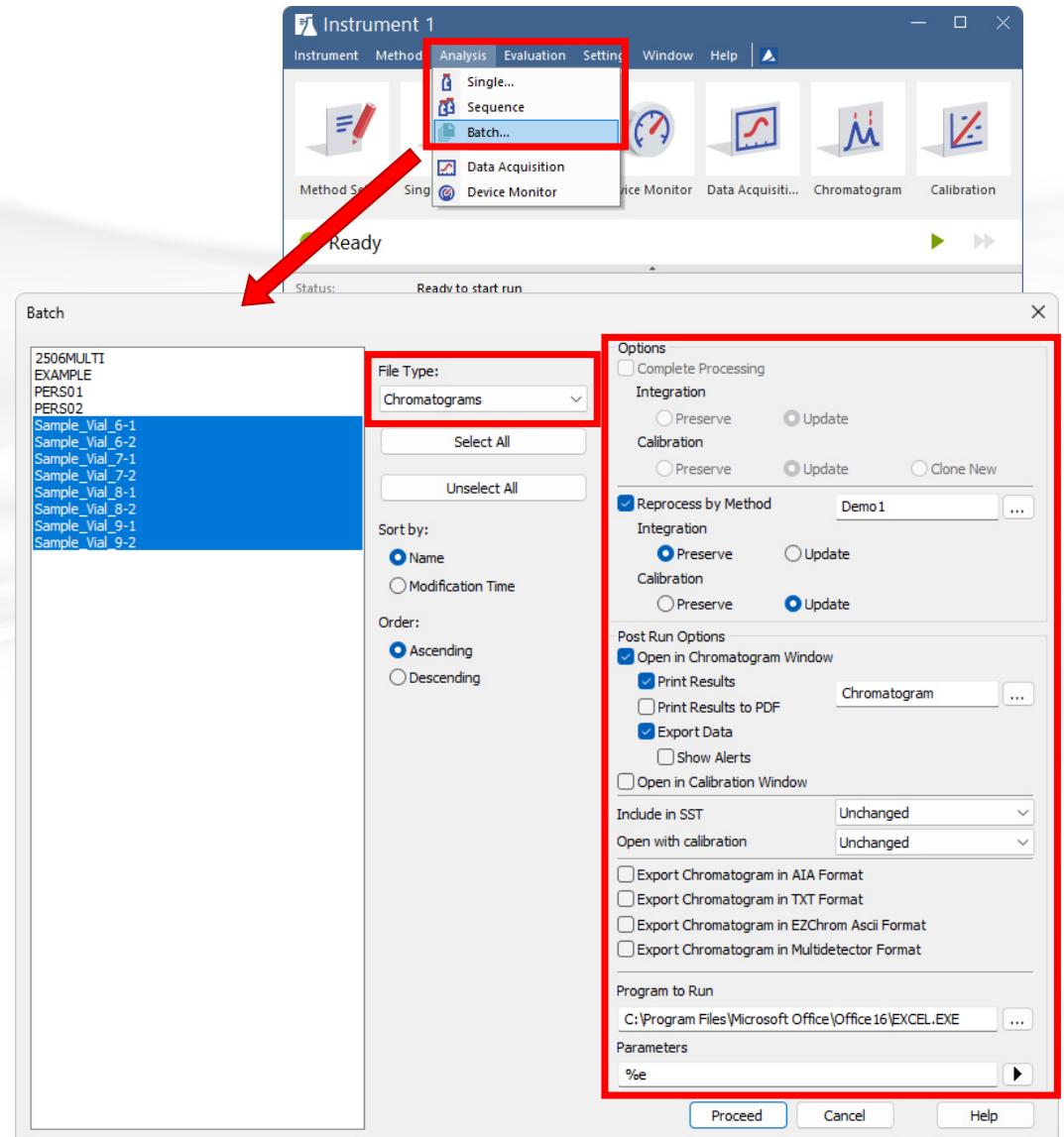
- Batch processing
- Report Setup
 - Lab. header
 - Tiled signals
 - Order of sections
- Export data
 - Available options
- Archive & Backup
- Tips & Tricks
 - Customization
 - Post-run options
 - Command Lock
 - Shortcuts



BATCH PROCESSING

BATCH

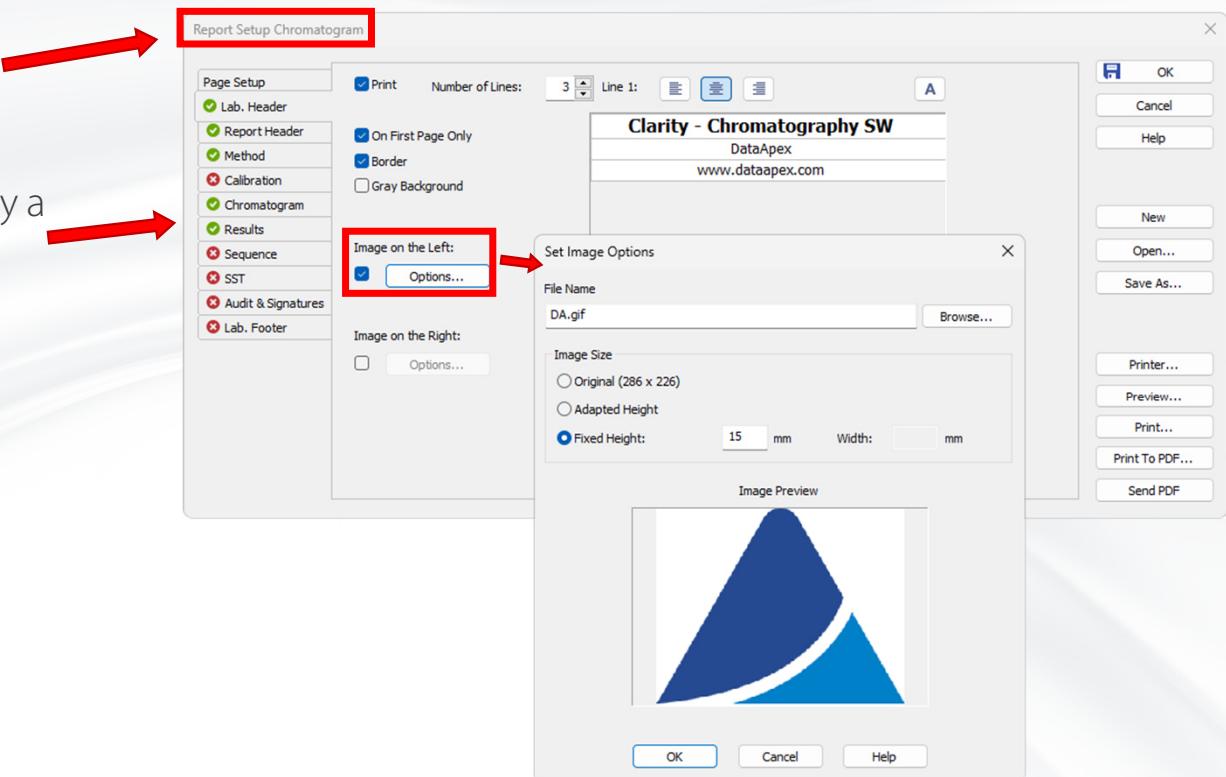
- File Types available for Batch: Chromatograms, Calibration Standards, Sequence Files
- Reprocessing** chromatograms by selected method
- Complete processing** of whole sequences
- Subsequent **printing** of results using a defined Report Style
- Opening via a program of choice or further processing 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

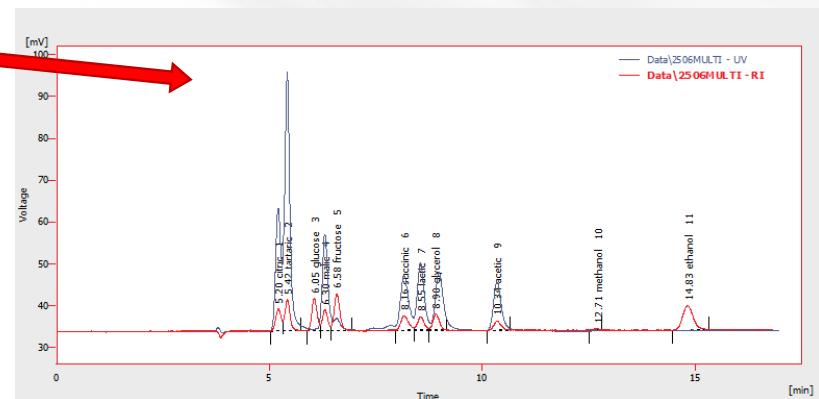
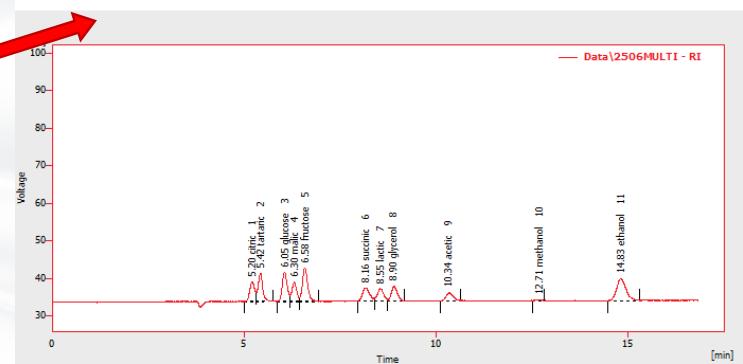
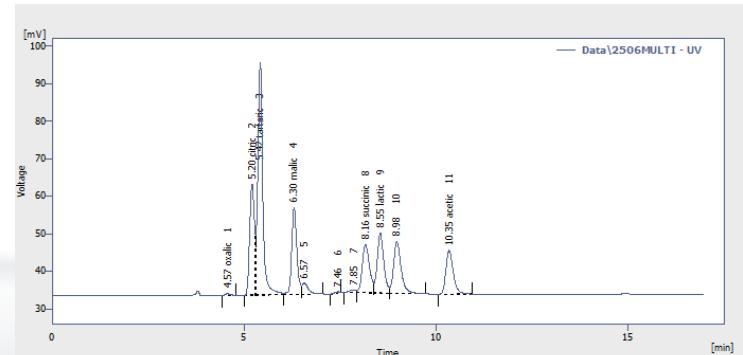
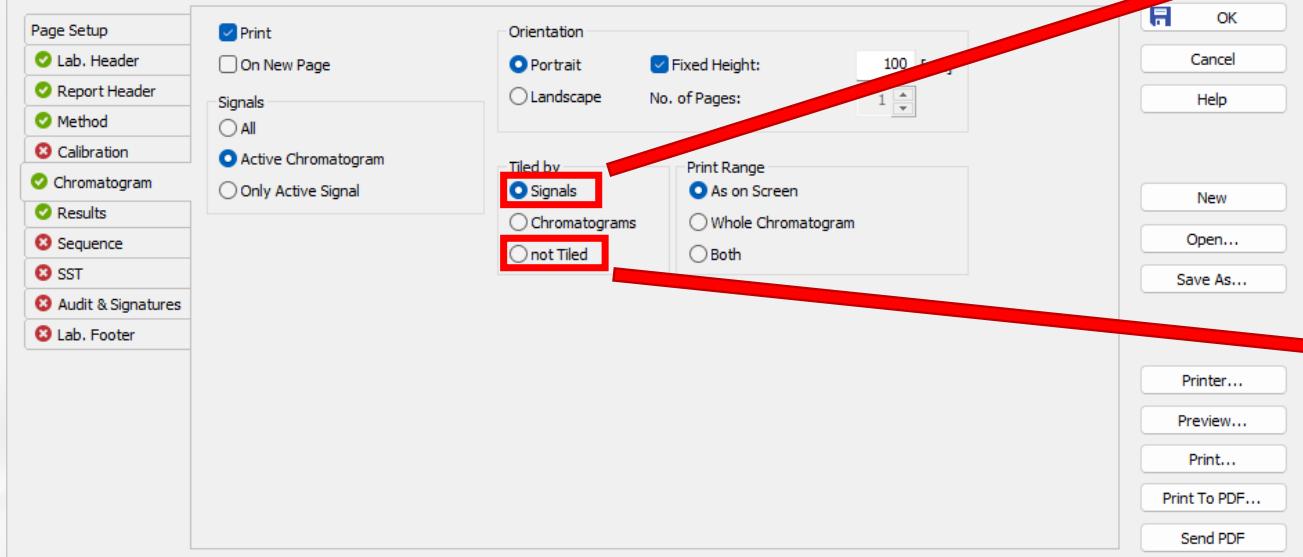


REPORT SETUP

TILED SIGNALS

- Chromatogram – Tiled by

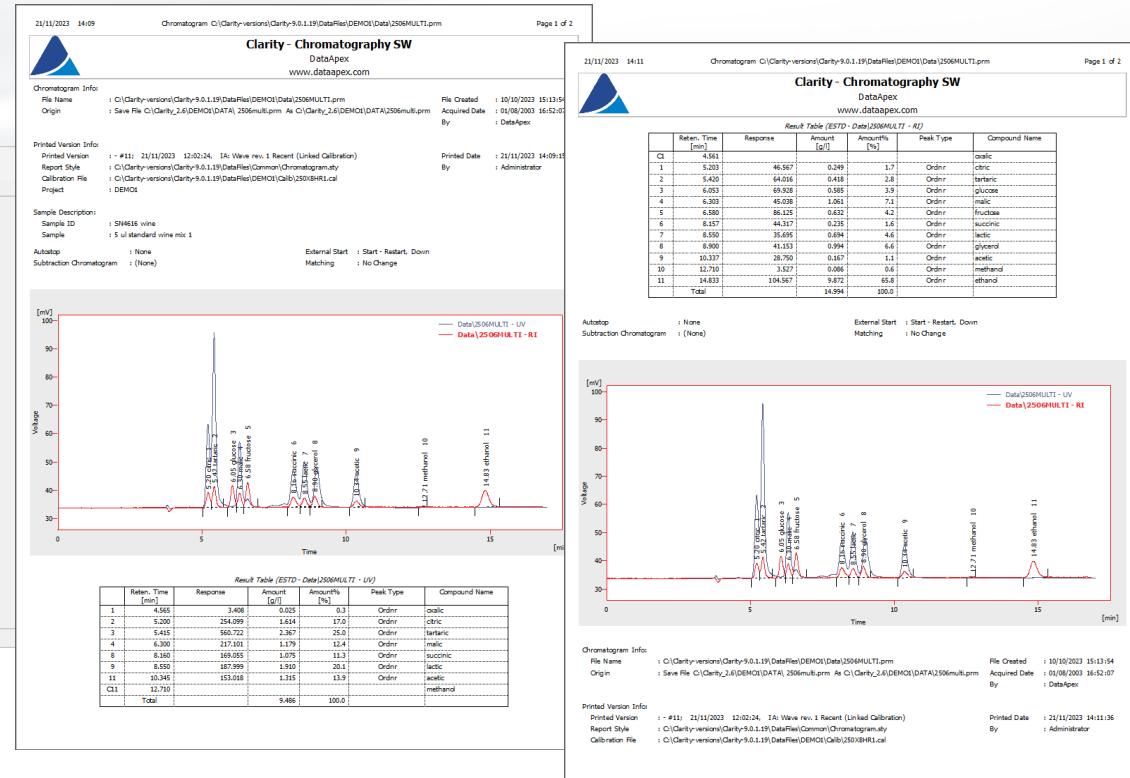
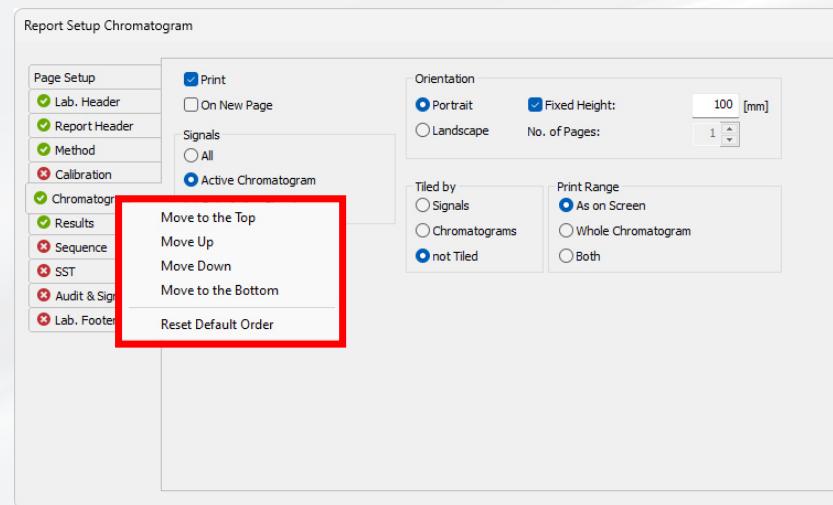
Report Setup Chromatogram



REPORT SETUP

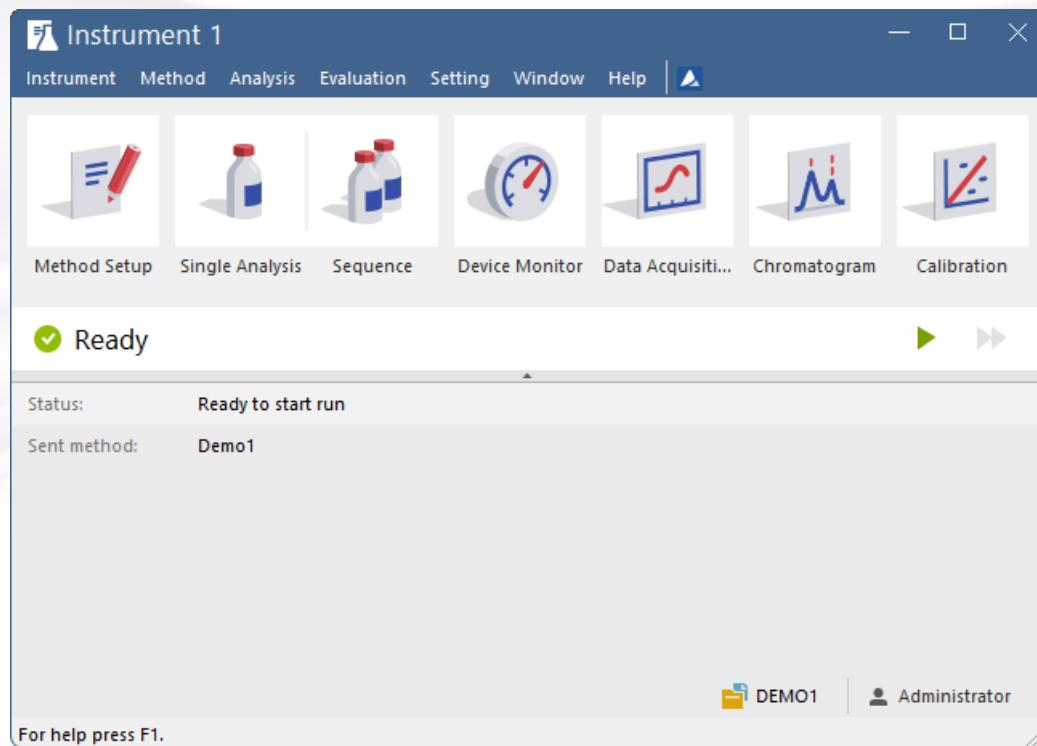
ORDER OF SECTIONS

- 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



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



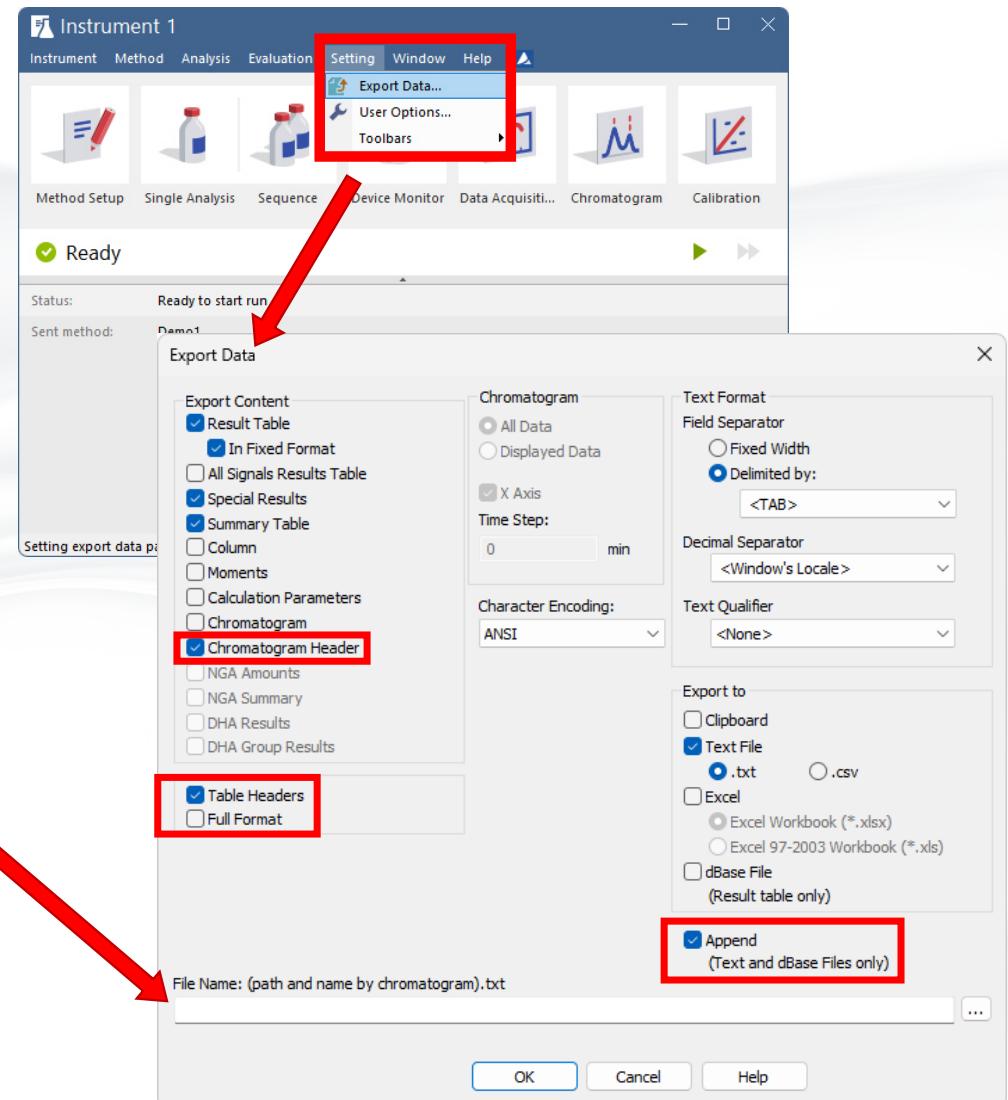
EXPORT DATA

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

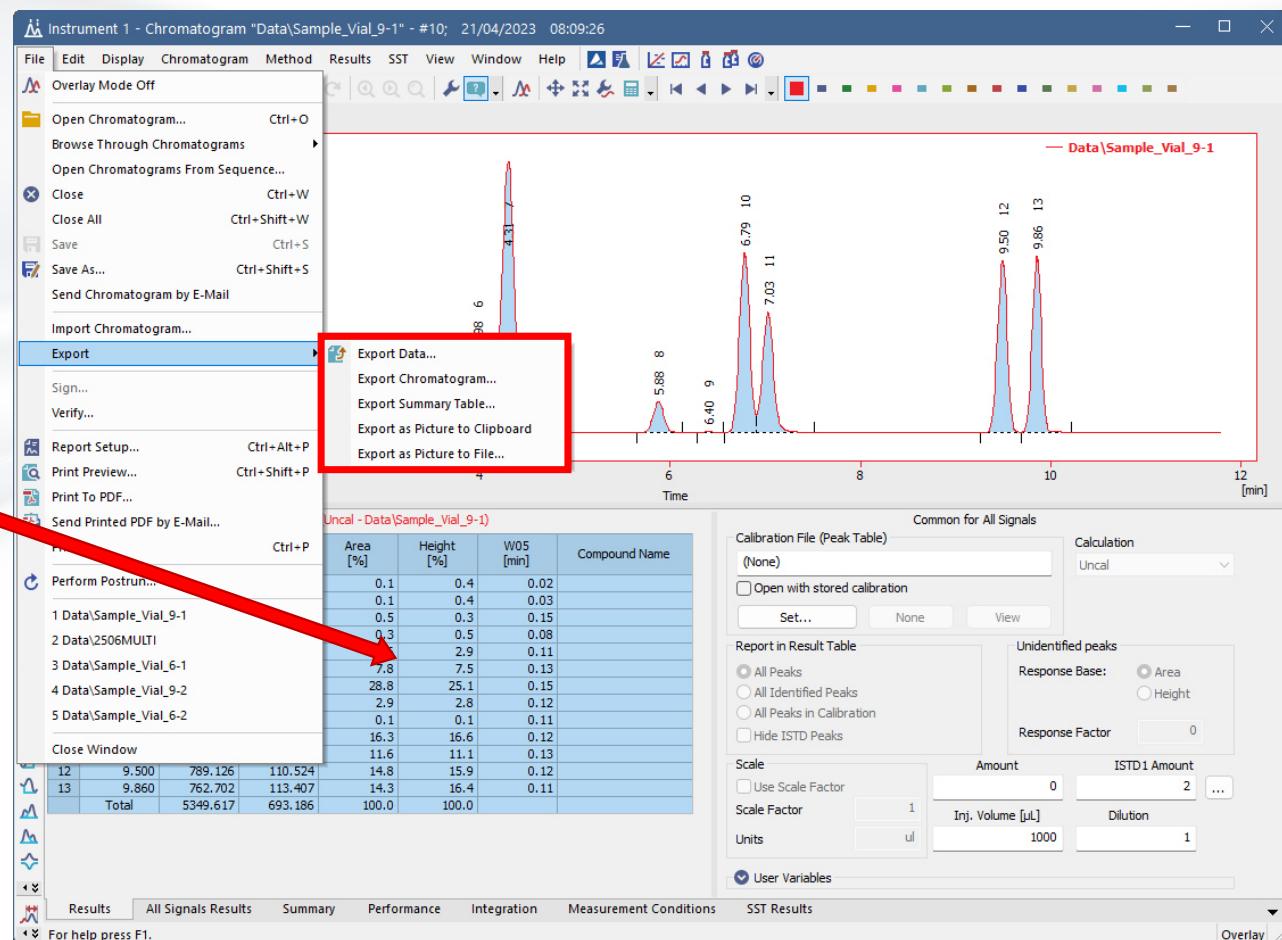
- Chromatogram Header = export basic chromatogram info (File Name, Sample ID, Sample, Instrument, Amount, Dilution)
- Table Headers = column headers of the Result Table
- Full format = filename, date, and time for each row of the Result Table
- Append = export into a single file
- Blank field in the File Name field indicates the use of the current chromatogram name + .txt



EXPORT DATA

CHROMATOGRAM WINDOW

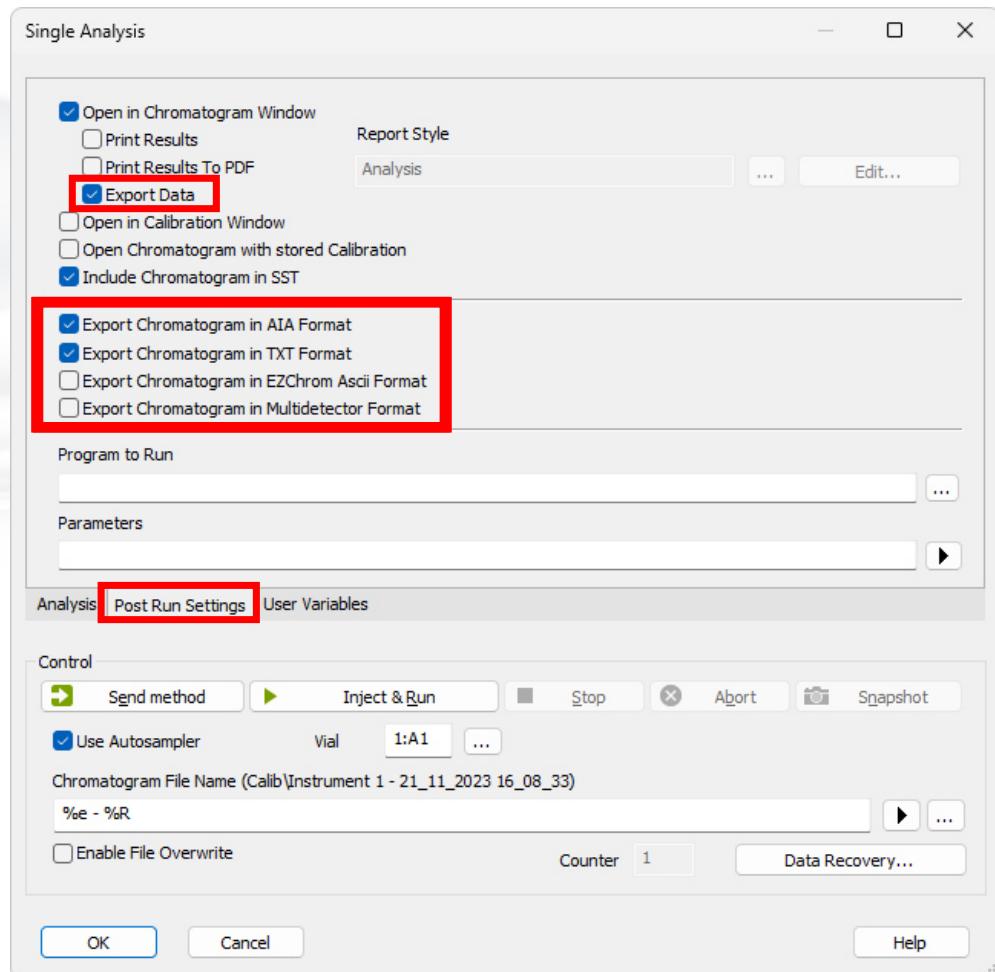
- Additional export options are available; the Export Data dialog can be opened from Chromatogram as well
- You can also select table content to Copy & Paste



EXPORT DATA

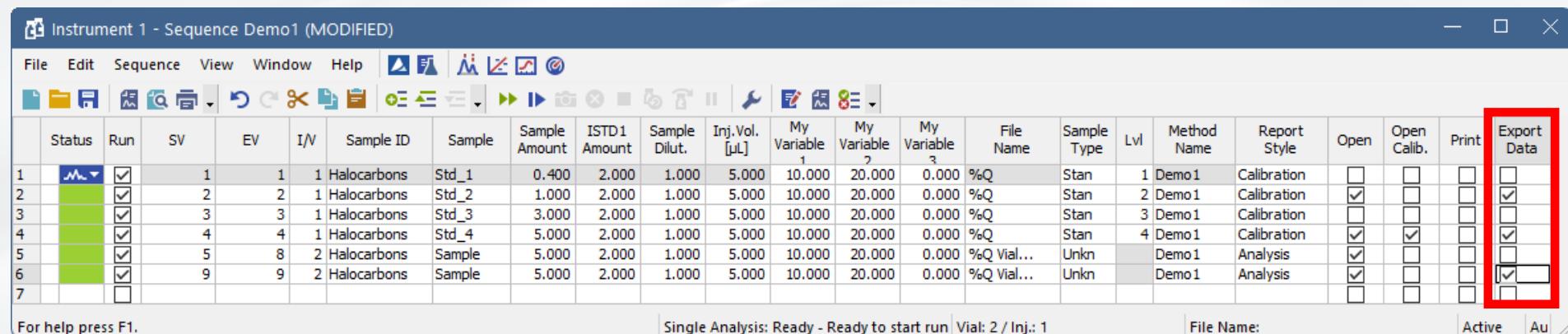
SINGLE ANALYSIS POST RUN SETTINGS

- 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



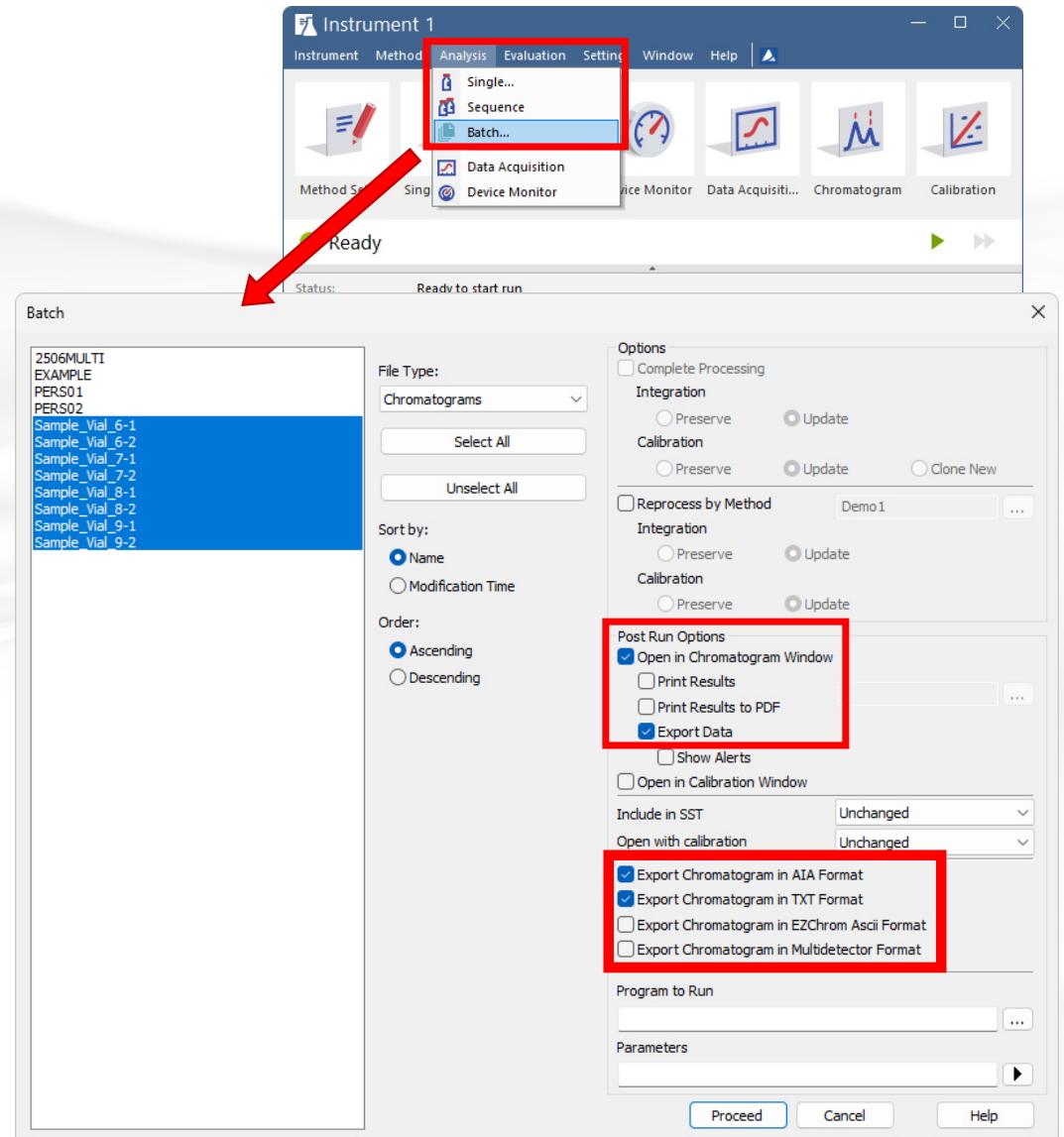
The screenshot shows the DataApex Sequence software interface. The main window title is "Instrument 1 - Sequence Demo1 (MODIFIED)". The menu bar includes File, Edit, Sequence, View, Window, Help, and various toolbar icons. The main area displays a table of sample sequences. The columns include: Status, Run, SV, EV, I/V, Sample ID, Sample, Sample Amount, ISTD1 Amount, Sample Dilut., Inj. Vol. [µL], My Variable 1, My Variable 2, My Variable 3, File Name, Sample Type, Lvl, Method Name, Report Style, Open, Open Calib., Print, and Export Data. The "Export Data" column is highlighted with a red box. The table data is as follows:

	Status	Run	SV	EV	I/V	Sample ID	Sample	Sample Amount	ISTD1 Amount	Sample Dilut.	Inj. Vol. [µL]	My Variable 1	My Variable 2	My Variable 3	File Name	Sample Type	Lvl	Method Name	Report Style	Open	Open Calib.	Print	Export Data
1	✓	1	1	1	1	Halocarbons	Std_1	0.400	2.000	1.000	5.000	10.000	20.000	0.000	%Q	Stan	1	Demo1	Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	✓	2	2	2	1	Halocarbons	Std_2	1.000	2.000	1.000	5.000	10.000	20.000	0.000	%Q	Stan	2	Demo1	Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	✓	3	3	3	1	Halocarbons	Std_3	3.000	2.000	1.000	5.000	10.000	20.000	0.000	%Q	Stan	3	Demo1	Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	✓	4	4	4	1	Halocarbons	Std_4	5.000	2.000	1.000	5.000	10.000	20.000	0.000	%Q	Stan	4	Demo1	Calibration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	✓	5	8	8	2	Halocarbons	Sample	5.000	2.000	1.000	5.000	10.000	20.000	0.000	%Q Vial...	Unkn	Demo1	Analysis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	✓	9	9	9	2	Halocarbons	Sample	5.000	2.000	1.000	5.000	10.000	20.000	0.000	%Q Vial...	Unkn	Demo1	Analysis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7																							

For help press F1. Single Analysis: Ready - Ready to start run | Vial: 2 / Inj.: 1 File Name: Active Au

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

File	Edit	View
Signal No.	Signal Name	Peak No.
1	4	3.660
1	5	3.993
1	6	4.317
1	7	5.903
1	8	6.810
1	9	7.060
1	10	9.520
1	11	9.880
	Total	8.7018
		100.000
Primary file :	Sample_Vial_6-1	Analyst :
Sample ID :	Halocarbons	From :
Sample :	Sample	
Instrument :	<Unknown>	Method :
Sample Amount:	0.0	[uL]
ISTD1 Am. :	2.0	[uL]
ISTD6 Am. :	0.0	[uL]
Sample Dilut.:	1.0	Inj. Vol. :
Peak width :	0.100	[min]
Slope :	1.500	Threshold :
		1.000 [mV]

Export Data

Export Content

Result Table
 In Fixed Format
 All Signals Results Table
 Special Results
 Summary Table
 Column
 Moments
 Calculation Parameters
 Chromatogram
 Chromatogram Header
 NGA Amounts
 NGA Summary
 DHA Results
 DHA Group Results

Table Headers
 Full Format

Chromatogram

All Data
 Displayed Data
 X Axis

Time Step: 0 min

Text Format

Field Separator

Fixed Width
 Delimited by:
 <TAB>

Decimal Separator

<Window's Locale>

Text Qualifier

<None>

Export to

Clipboard
 Text File
 .txt
 .csv

Excel
 Excel Workbook (*.xlsx)
 Excel 97-2003 Workbook (*.xls)

dBase File
 (Result table only)

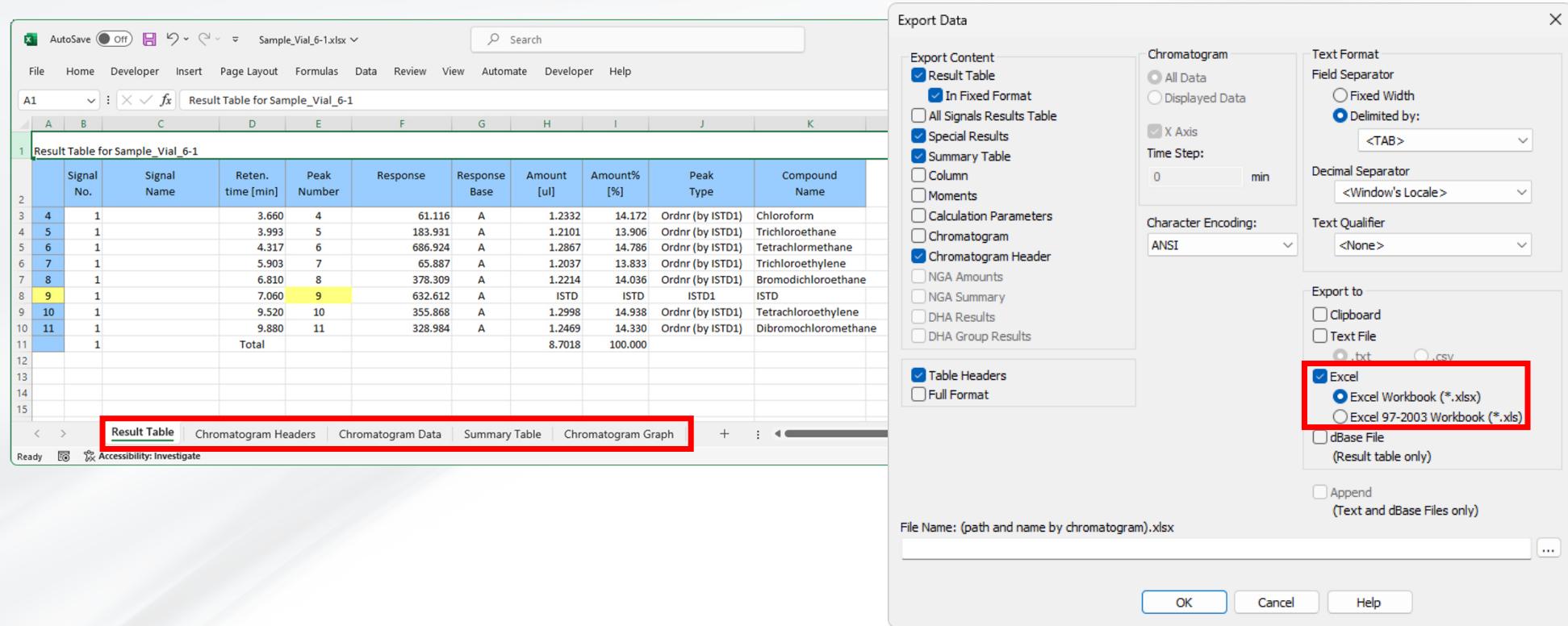
Append
 (Text and dBase Files only)

File Name: (path and name by chromatogram).txt

OK Cancel Help

EXPORT DATA

EXCEL (*.XLSX) FORMAT

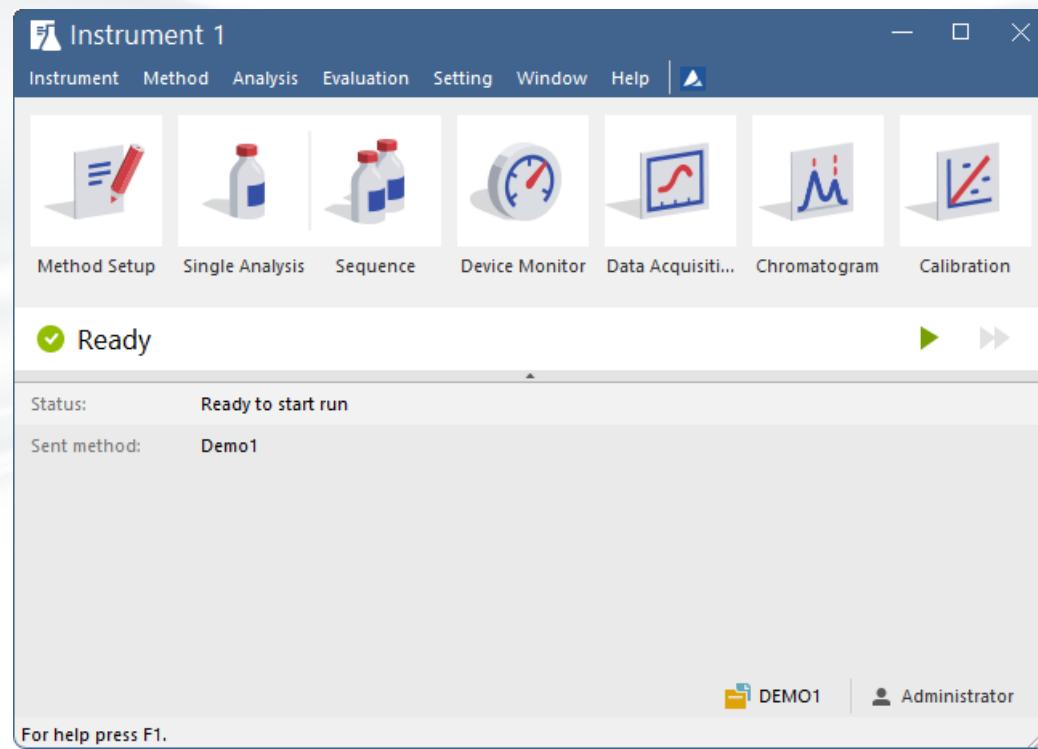


The screenshot shows a chromatography software interface with an 'Export Data' dialog box overlaid. The software window displays a 'Result Table for Sample_Vial_6-1' with 11 rows of data. The dialog box contains several sections:

- Export Content:** Includes checkboxes for 'Result Table' (checked), 'In Fixed Format' (checked), 'Special Results' (checked), 'Summary Table' (checked), 'Column' (unchecked), 'Moments' (unchecked), 'Calculation Parameters' (unchecked), 'Chromatogram' (unchecked), and 'Chromatogram Header' (checked).
- Chromatogram:** Includes radio buttons for 'All Data' (selected) and 'Displayed Data', and a checkbox for 'X Axis'.
- Text Format:** Includes 'Field Separator' (radio buttons for 'Fixed Width' and 'Delimited by' (selected), with '<TAB>' dropdown), 'Decimal Separator' (dropdown for '<Window's Locale>'), and 'Text Qualifier' (dropdown for '<None>').
- Character Encoding:** Set to 'ANSI'.
- Export to:** Includes checkboxes for 'Clipboard' (unchecked), 'Text File' (unchecked), 'txt' (radio button selected), 'csv' (radio button selected), and 'Excel' (radio button selected). The 'Excel' section is highlighted with a red box, showing options for 'Excel Workbook (*.xlsx)' (radio button selected), 'Excel 97-2003 Workbook (*.xls)' (radio button unchecked), and 'dBase File (Result table only)' (checkbox unchecked).
- Table Headers:** A checkbox that is checked.
- File Name:** A text input field with the placeholder '(path and name by chromatogram).xlsx'.
- Buttons:** 'OK', 'Cancel', and 'Help'.

AGENDA

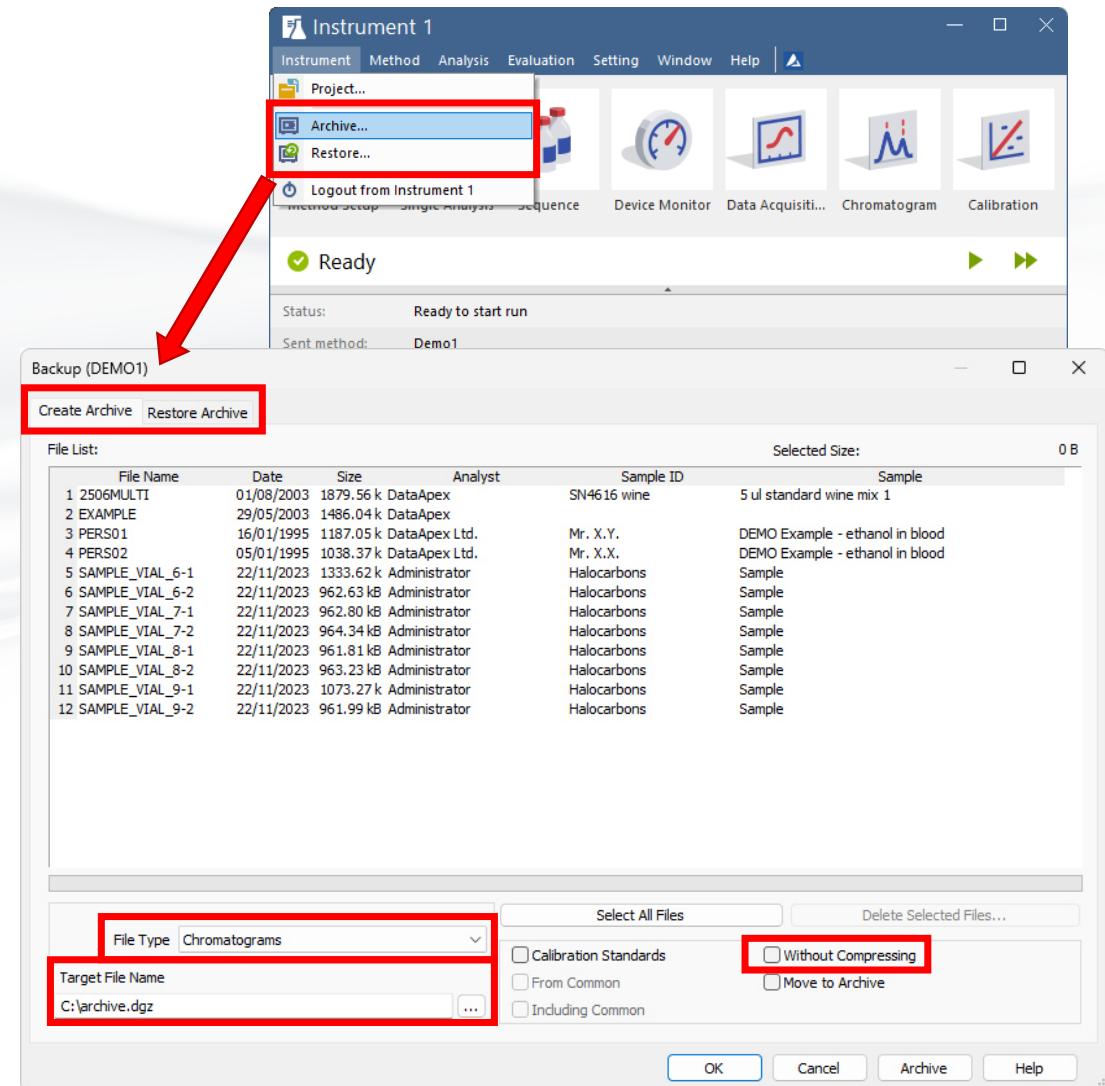
- Batch processing
- Report Setup
 - Lab. header
 - Tiled signals
 - Order of sections
- Export data
 - Available options
- Archive & Backup
- Tips & Tricks
 - Customization
 - Post-run options
 - Command Lock
 - Shortcuts



ARCHIVE & RESTORE

OVERVIEW

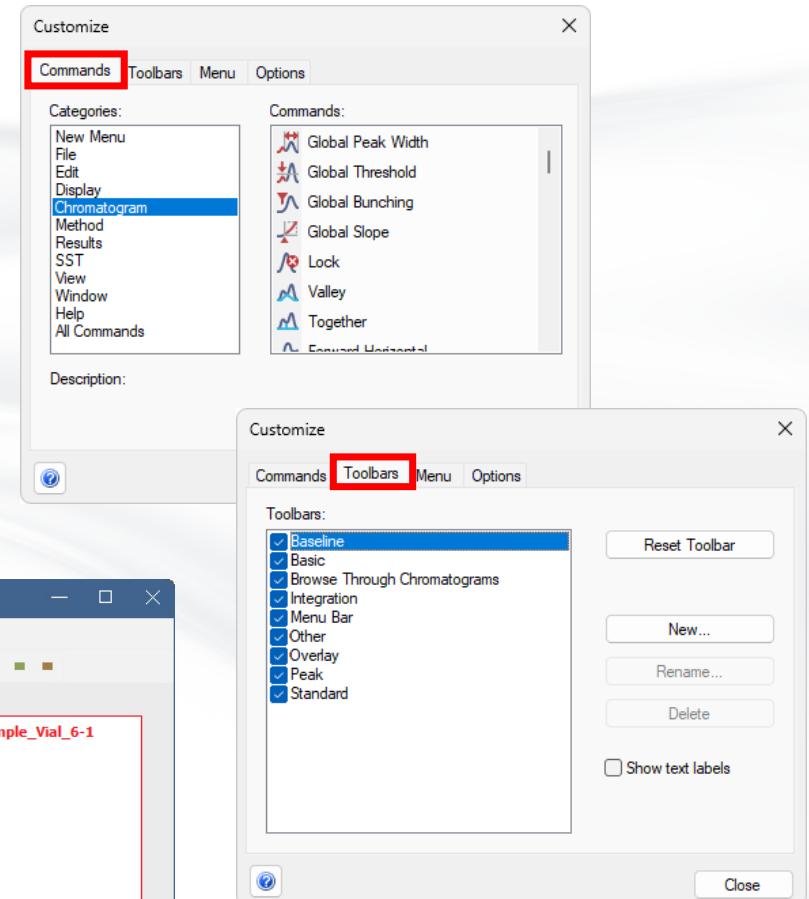
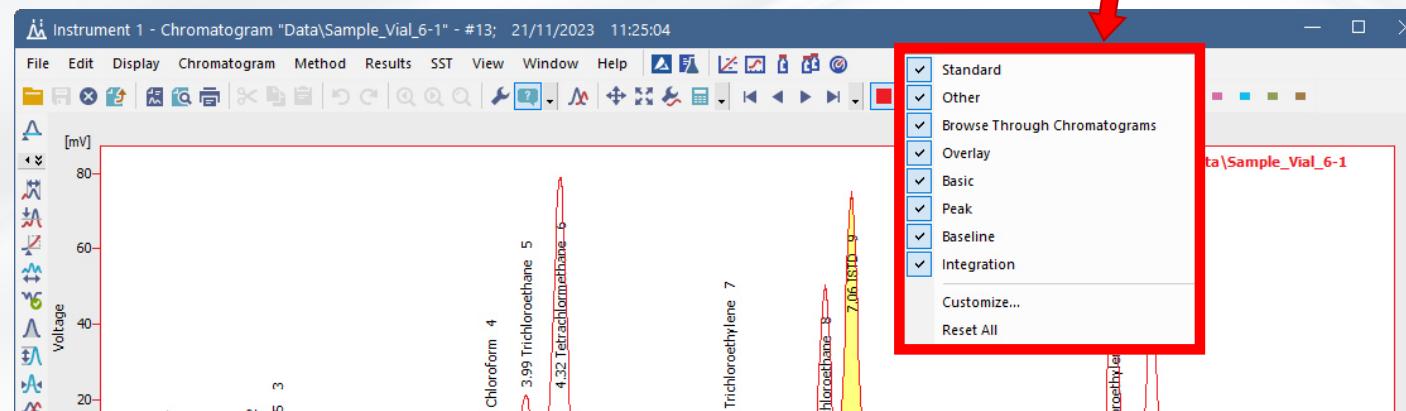
- Data can be **compressed to *.dgz archive** files with reduced size
- Writing into an existing *.dgz archive **replaces** all the preset data (appending is not possible)
- Plan ahead: the project structure should allow you to archive whole projects when necessary
- Access Create/Restore functions via **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

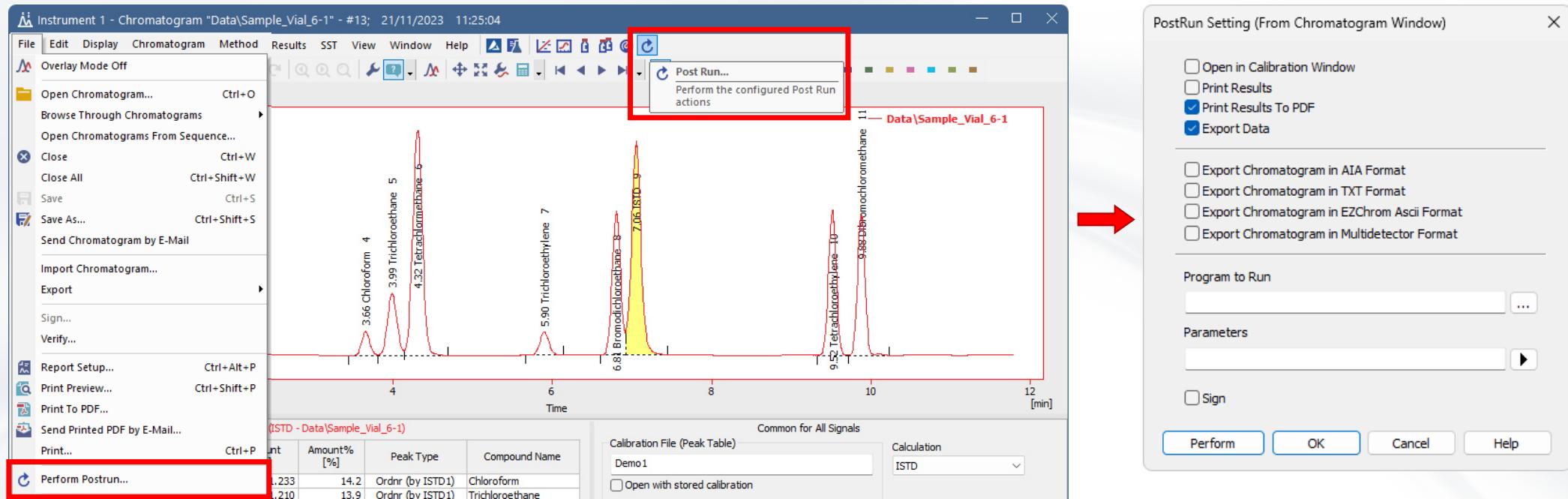
- You can customize Clarity to your preferred use in several ways
- Open the Customize dialog by right-clicking the toolbar and selecting **Customize...**
 - To add command icons to the toolbar, drag them from the menu in the **Commands** tab
 - To change the Toolbar options, use the **Toolbars** tab or (un)select the corresponding items in the context menu



TIPS & TRICKS

PERFORM POST RUN ACTIONS

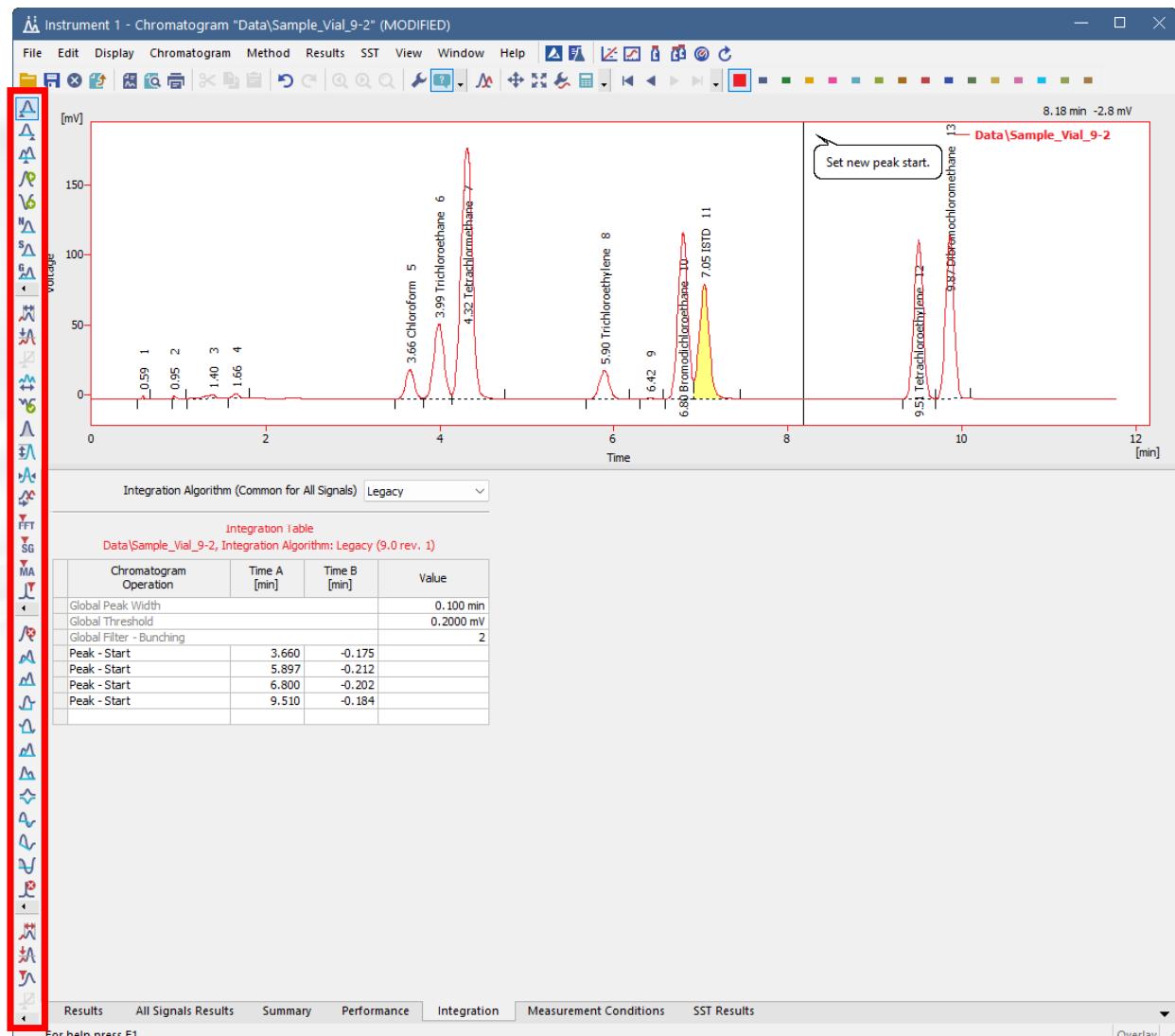
- PostRun Setting dialog is accessible from the menu File; the icon for Post Run can be added via Customize



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



Clarity™

ADVANCED CHROMATOGRAPHY SOFTWARE

...

THANK YOU FOR YOUR ATTENTION

NEXT TRAINING COMING SOON