



# Clarity 8.7

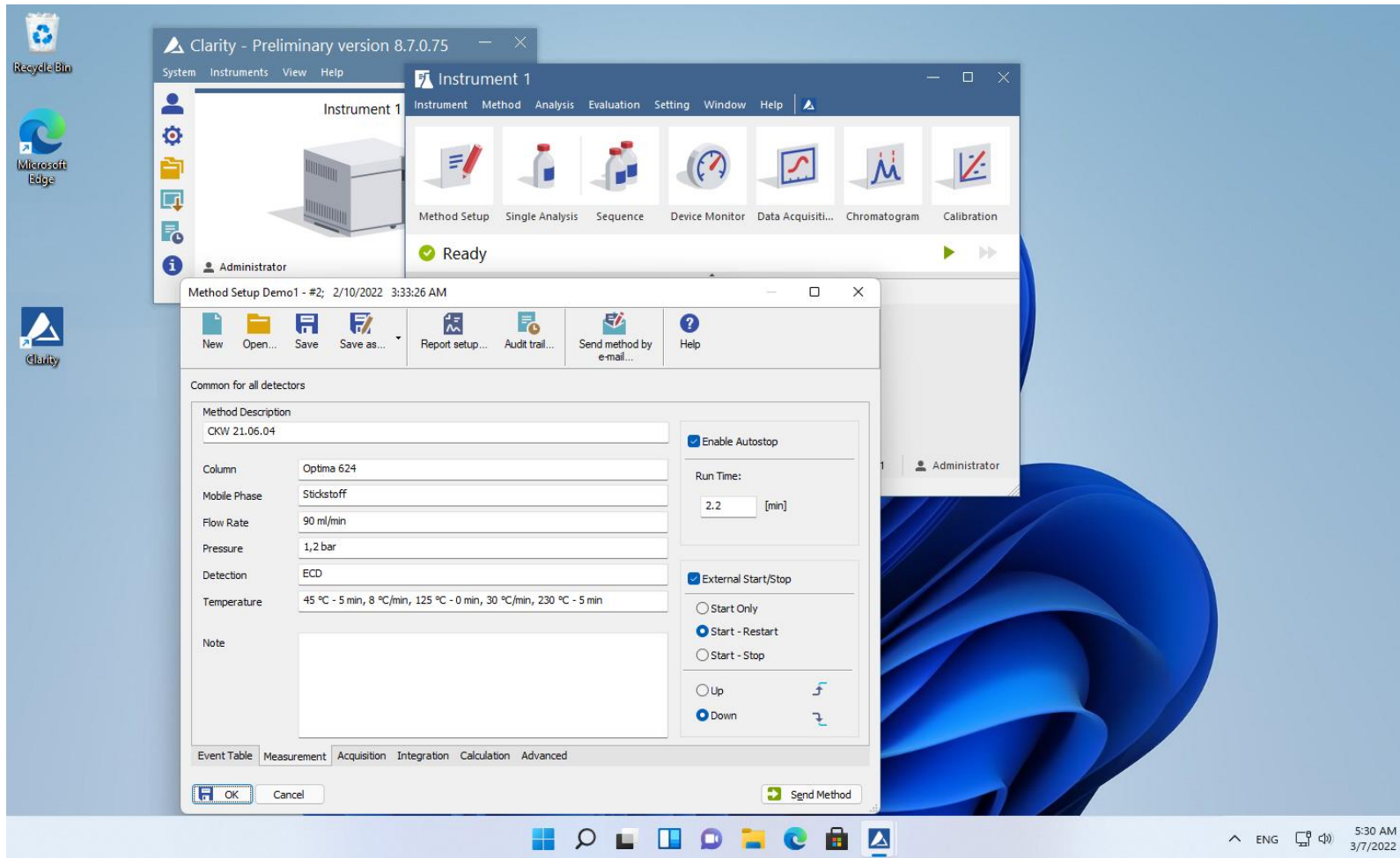
## WHAT'S NEW

P058/80A 03/2022



# What is new in Clarity 8.7?

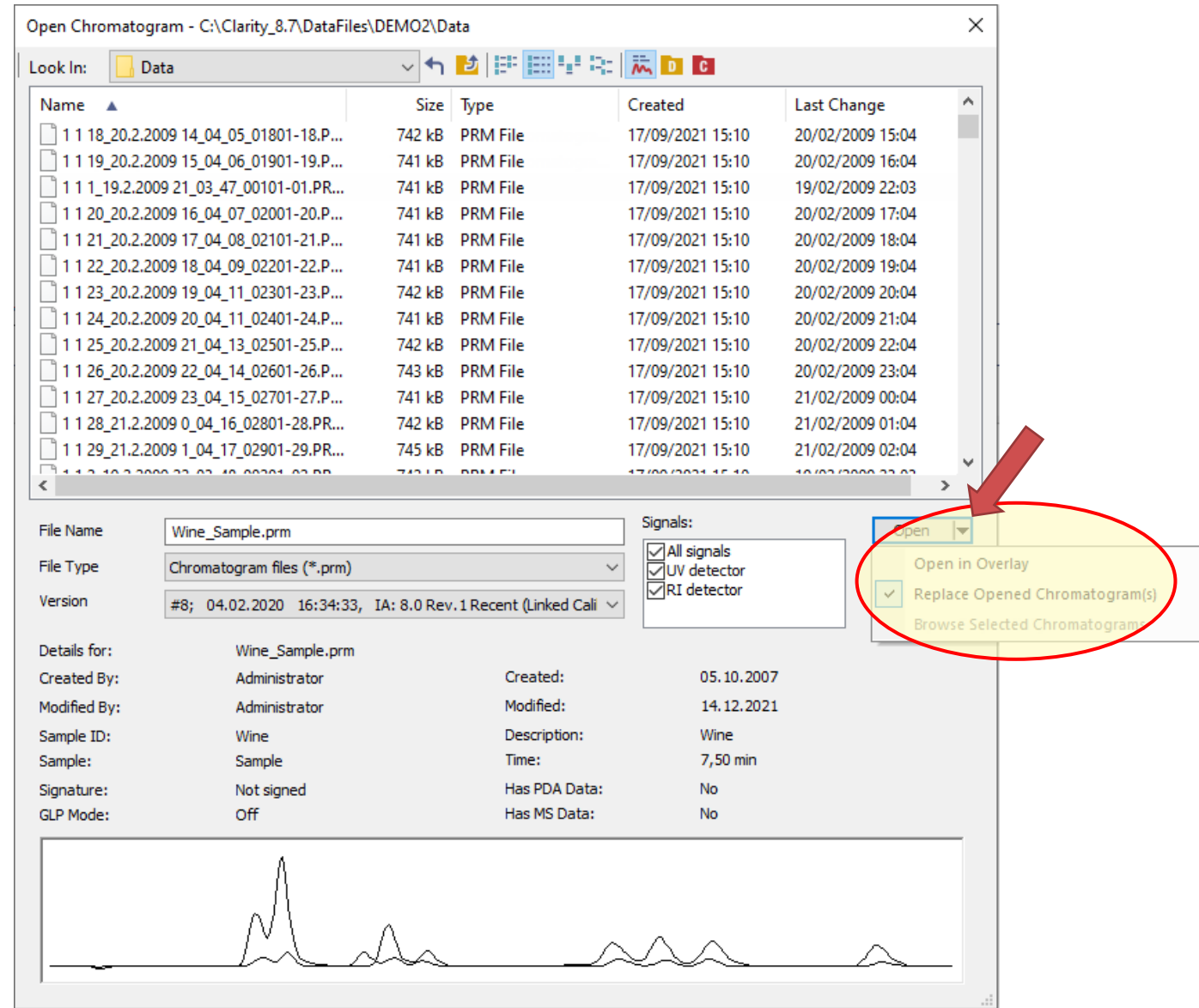
- **Compatibility with Windows 11**
- Improvements in **Open Dialog**
- **MS extension** improvements
- **Export** to new **\*.xlsx** format
- **Footer** option in the **Report Setup**
- **Duplicate existing user settings** option in **User Accounts**
- A lot of other small improvements and fixed bugs
- **New and updated** control modules



→ **Clarity** is now compatible with **Windows 11**.

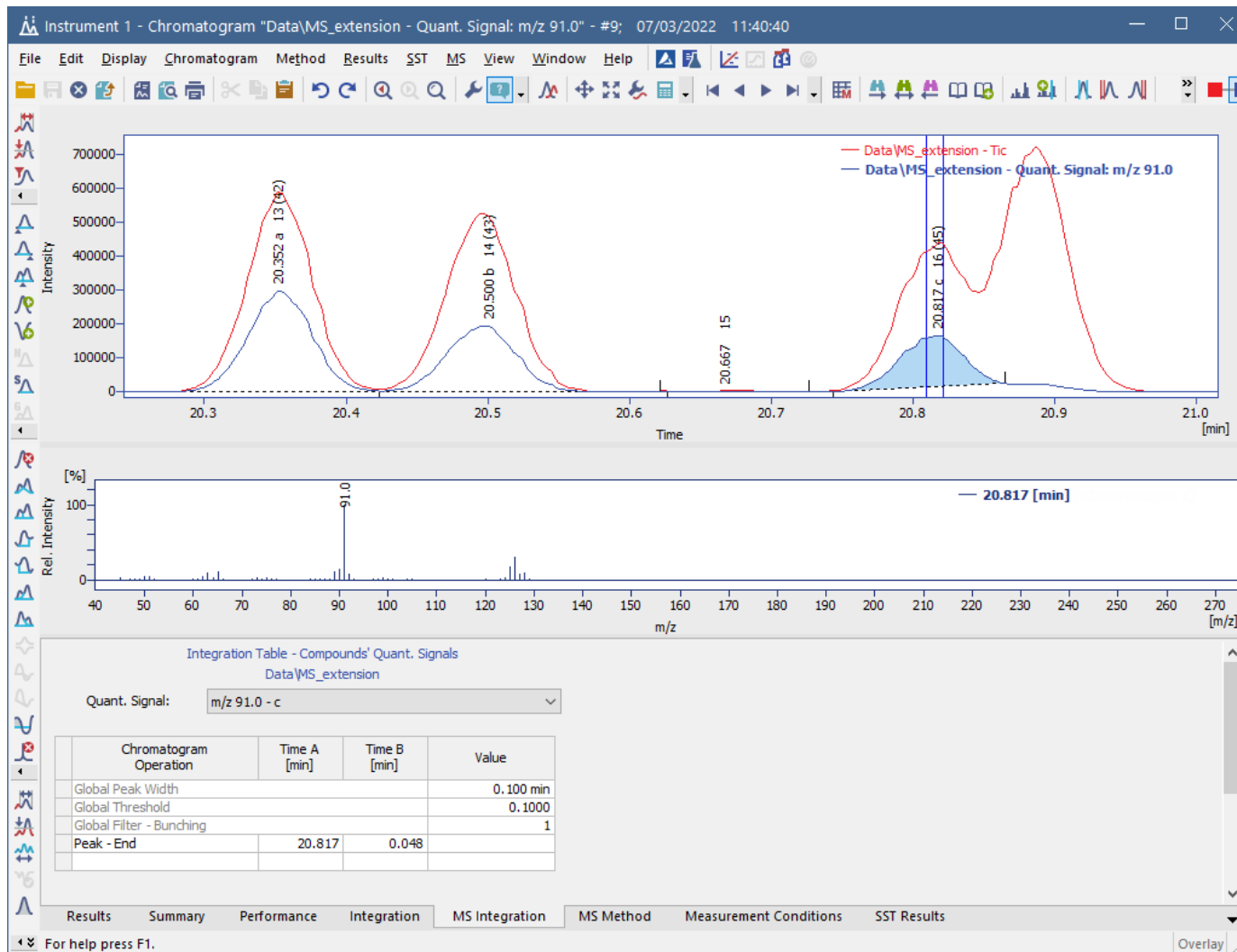


- Significantly improved for **browsing** through **larger sets of files**
- When selecting **multiple chromatograms**, **Open in Overlay** is the default opening option.
- Using the arrow it is possible to use alternative opening options.





# WHAT'S NEW → MS EXTENSION



- Quantification signal is constructed for every m/z used for quantification.
- As one of the results **Local Integration parameters** are specific for each quantification signal (instead of each compound) to improve the consistency of the data.



Method Setup MS-extension - #1; 10/03/2022 15:07:41

New Open... Save Save as... Report setup... Audit trail... Send method by e-mail... Help

Common for all detectors

Common for All Peaks  
Result Table Signal:  Centroid m/z Range:  0  
Peak Purity Options... Smoothing... EIC Bandwidth [m/z]:  0  
 Conformity of Whole Spectrum Max. Conformity Error:  10  
Matching Tolerance:  10

MS Calibration  
Create MS Calibration Update MS Calibration

Spectrum  
 Stick Spectrum  
 Raw Spectrum  
Peak Detection...

Subtract MS Spectra  
Chromatogram: --- Set... None

MS Method

	Compound	Library Compound		Quantify On	EIC 1 -	EIC 2 -	EIC 3 -	EIC 4 -	Peak Detection			
		Library	ID		Reference m/z 1	Reference m/z 2	Reference m/z 3	Reference m/z 4	Ret. Time	Left Wnd	Right Wnd	Peak Sel
1	a	MAINLIB	576	EIC 1	62.0				2.177	0.300	0.300	Best Match
2	b			0 EIC 1	96.0				7.315	0.300	0.300	Nearest
3	c			0 EIC 1	84.0				5.142	0.300	0.300	First
4	d			0 EIC 1	96.0				5.142	0.300	0.300	Last
5	e			0 EIC 1	53.0				5.907	0.300	0.300	Biggest
6	f			0 EIC 1	53.0				6.083	0.300	0.300	Nearest
7	g			0 EIC 1	96.0				7.032	0.300	0.300	Nearest
8	h			0 EIC 1	77.0				7.048	0.300	0.300	Nearest

Event Table Measurement Integration MS Integration MS Method Calculation Advanced

OK Cancel Send Method

- Compounds that have the same retention time but are quantified on different m/z are calculated independently.
- Peak selection in MS method and calibration now supports Best Match option.



**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:  min
- Character Encoding:

**Text Format**

- Fixed Width
- Delimited by:
  - <TAB>
- Decimal Separator:
  - <Window's Locale>
- Export to
  - Clipboard
  - Text File
  - Excel
  - dBase File (Result table only)
  - Append (Text and dBase Files only)

File Name:

OK Cancel Help

→ All Signals Result Table now can be exported.

→ Clarity now exports to Excel in \*.xlsx format.



Report Setup OQ\_Linearity

Page Setup

- Lab. Header
- Report Header
- Method
- Calibration
- Chromatogram
- Results
- Sequence
- SST
- Audit & Signatures
- Lab. Footer

Print Number

On Last Page Only

Border

Gray Background

Image on the Left:  Options...

Image on the Right:  Options...

11/03/2022 09:41 Chromatogram C:\Clarity\_8.7\DataFiles\OQ\Calib\OQ\_Validation\_VD\_STD05\_07\_03\_20222\_44\_28.prm Page 1 of 11

**Clarity - Operational Qualification**  
**Calibration linearity test**  
 © DataApex 2022. www.dataapex.com

Peak1 - Signal11 - 0.497 min

	Response	Amount	Resp. Factor	Rec No	Used
1	50007.9708	100.0000	0.0020	1/1	<input checked="" type="checkbox"/>
2	4998.8362	10.0000	0.0020	1/1	<input checked="" type="checkbox"/>
3	499.4035	1.0000	0.0020	1/1	<input checked="" type="checkbox"/>
4	49.9108	0.1000	0.0020	1/1	<input checked="" type="checkbox"/>
5	4.9771	0.0100	0.0020	1/1	<input checked="" type="checkbox"/>
6	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
7	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
8	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
9	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
10	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
11	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
12	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
13	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
14	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
15	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
16	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
17	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
18	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
19	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
20	0.0000	0.0000	0.0000	1/1	<input checked="" type="checkbox"/>
BL	0.0000	Blank	0.0000	0/0	<input type="checkbox"/>

PeakType : Ordnr  
 Search Window : Abs  
 Left Window : 0.200min  
 Right Window : 0.200min  
 Peak Selection : Nearest  
 Response Base : Area  
 Is ISTD : None  
 Use ISTD : None  
 Curve Fit Type : Linear  
 Origin : Ignore Origin  
 Weighing Method : 1/Response  
 Linearisation X : None  
 Linearisation Y : None  
 Correction Factor : 1.0000  
 Calculate By :  
 Correlation Factor : 1  
 Residual : 0.00143[mV.s]  
 Equation : Y = 500.05653 \* X - 0.03684

Expected values for Subst. Equation: Y = Slope \* X + Offset

Slope: 500 +/- 2  
 Offset: 0,0 +/- 0,5  
 Correlation: > 0,999999

TEST Result: Passed [ ] Signature: \_\_\_\_\_

OK

Cancel

Help

New

Open...

Save As...

Printer...

Preview...

Print...

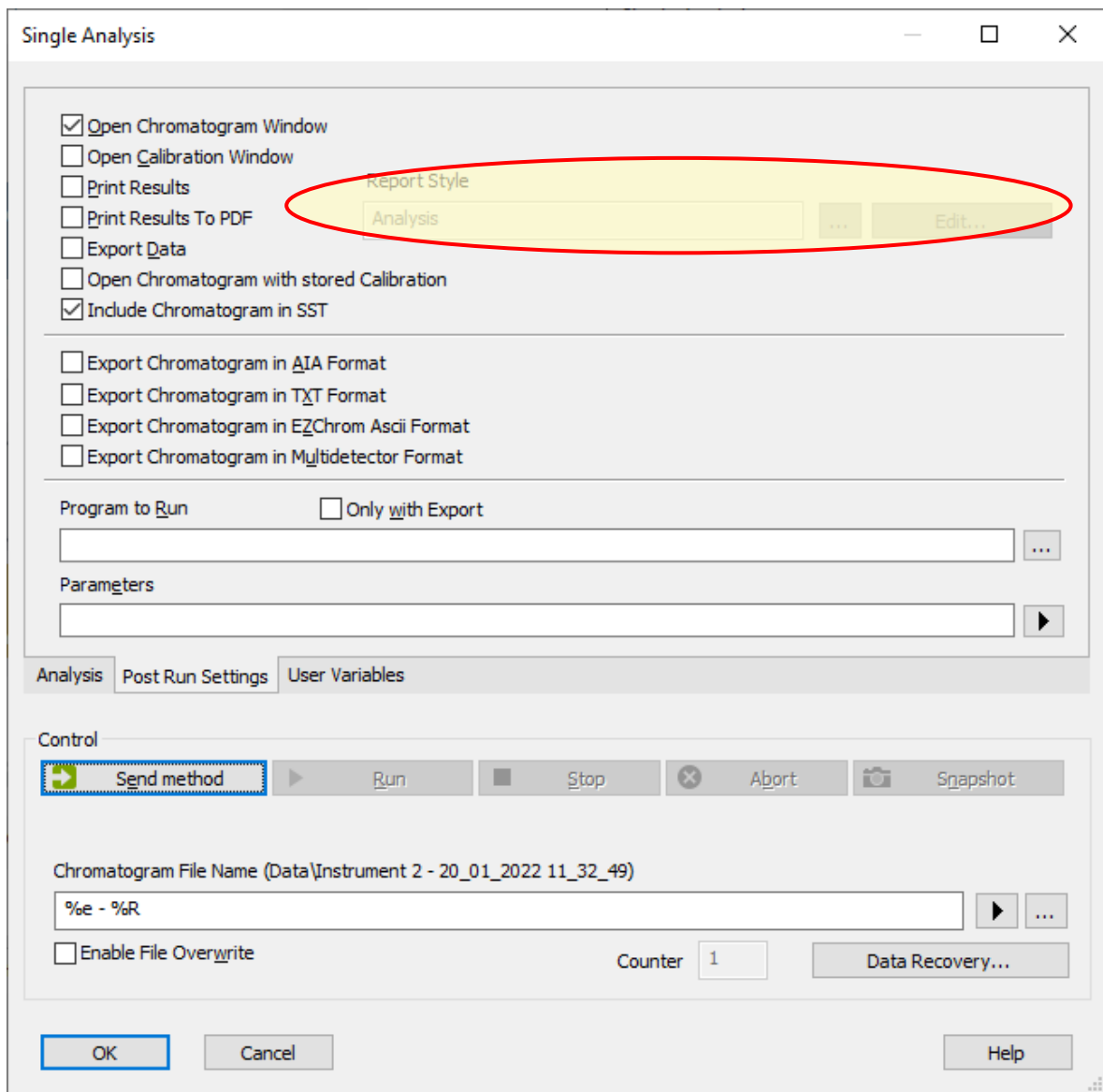
Print To PDF...

Send PDF

→ Footer option has been added to the Report Setup

→ Footer is now used as a place for test result confirmation and signature in our OQ reports





→ Setting of the **Report Style** is moved from the **Analysis tab** to the **Post Run Settings tab**

→ Thanks to that all **print settings** in the Single Analysis window are now **accessible** in one place



**User Accounts**

**User List**

- New
- Duplicate**
- Delete

**User Details for: Peter**

**User**

- User Name: Peter
- Desktop File: Peter
- Description:

**Other Users Can**

- Read & Write
- Read
- No Access

**Access To**

- Instrument 1
- Instrument 2
- Instrument 3
- Instrument 4

**User Access Rights**

- Open User Accounts
- Open Configuration
- Edit Method
- Edit Chromatogram
- Edit Calibration
- Projects
- Import Chromatogram
- Take Control of Locked Instrument
- Edit Sequence
- Edit Report Style
- Select Method
- Open Audit Trail Settings
- Archive / Restore
- Post Run Settings
- Start Acquisition

**Password Restrictions - Common for All**

- Min. Length: 1 [chars.]
- LifeTime: 1 [days]
- Expiration Warning: 5 [days]
- Password Reuse: 1 [days]
- Auto Lock: 10 [min]

**User Info**

- Password: Submitted
- Password Changed: 11. March 2022
- Last Login:
- Change Password...

**Certificate**

- No certificates assigned to the selected user
- Select Certificate...
- Clear Certificate
- Certificate For Exporting To PDF

OK Cancel Help

→ In the **User Accounts** is a new option to **duplicate existing user settings.**

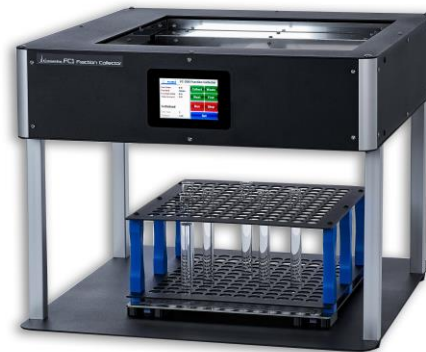


- **SST extension** now supports **SST method versions**.
- Improved **memory handling** of **method versions history** during chromatogram creation.
- In **calibration**, when **adding peaks** from a **multi-signal chromatogram** with the option ***On Active Signal***, the default names of compounds or groups are improved.
- And many other small improvements have been made and many bugs fixed.



## New control modules

- Analytik Jena PQ LC HPLC Pump 1125, 1130, 1132
- Gow Mac 836 GC
- Sunchrom SpectraFlow 2050
- Sunchrom SunTherm 2070
- Watrex StreamLine FC



... and many control modules have been updated and improved, for more see

[https://www.dataapex.com/version\\_history](https://www.dataapex.com/version_history)



**...THANK YOU FOR YOUR TIME**



[SUPPORT@DATAAPEX.COM](mailto:SUPPORT@DATAAPEX.COM)  
[WWW.DATAAPEX.COM](http://WWW.DATAAPEX.COM)