DataApex

P053/80A

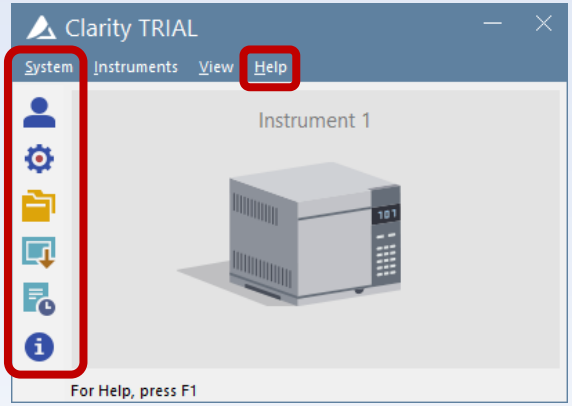
25.10.2019

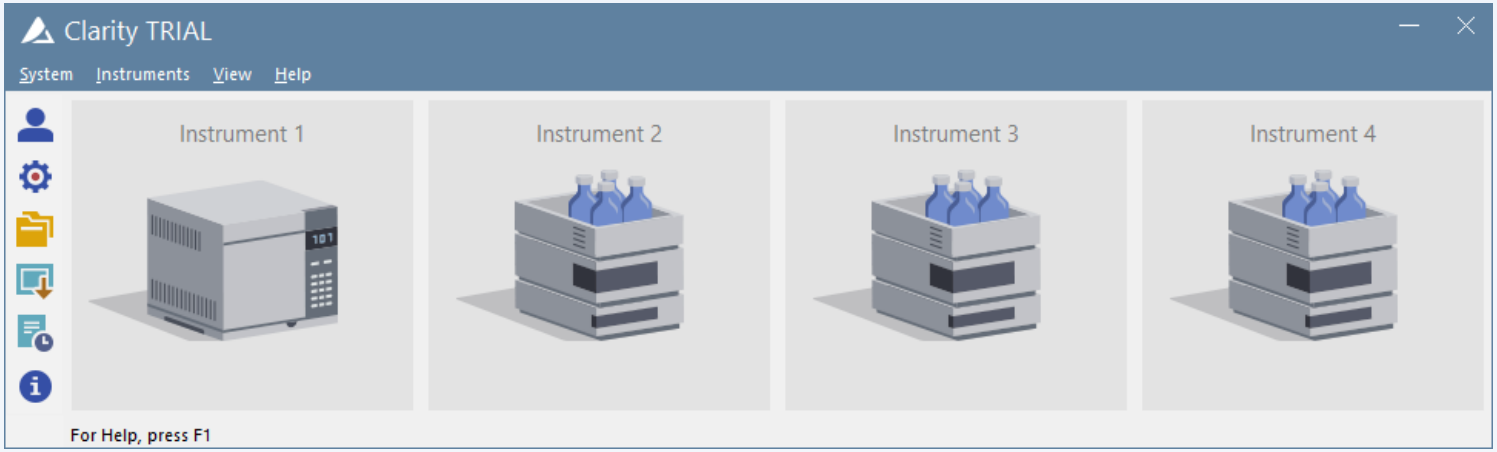
CLARITY CHROMATOGRAPHY SOFTWARE

CLARITY TOUR

Clarity windows

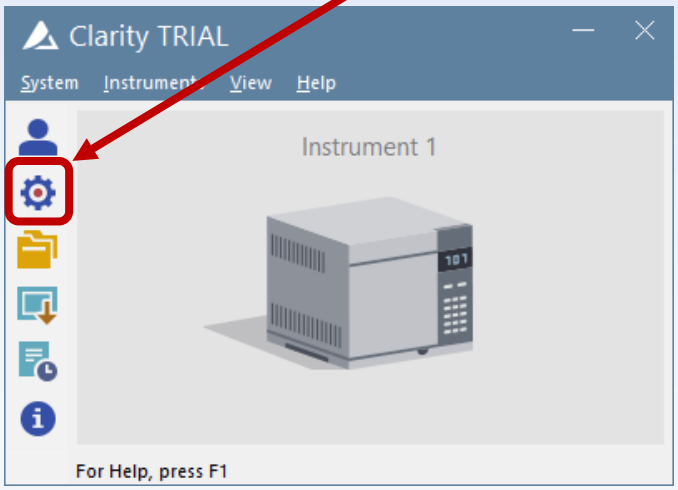
- ✓ Main window
  - ✓ Access to Instrument(s)
  - ✓ General Settings for whole Clarity station
  - ✓ Access to Information about Clarity station

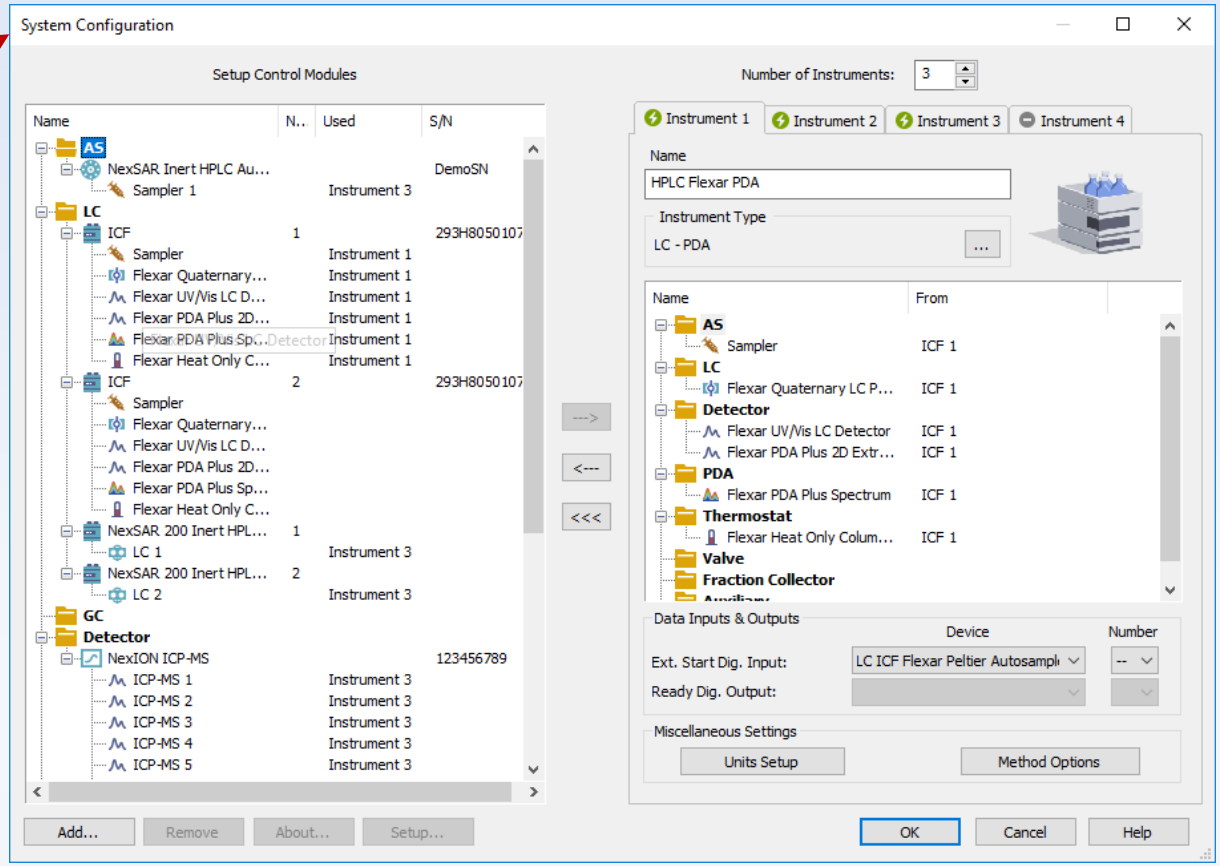




Clarity windows

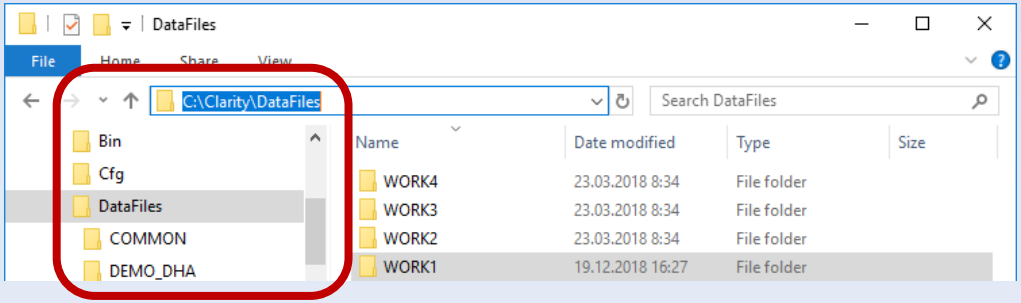
- ✓ System Configuration window
  - ✓ Station communication configuration
  - ✓ Linkage between configured equipment and Clarity Instrument(s)

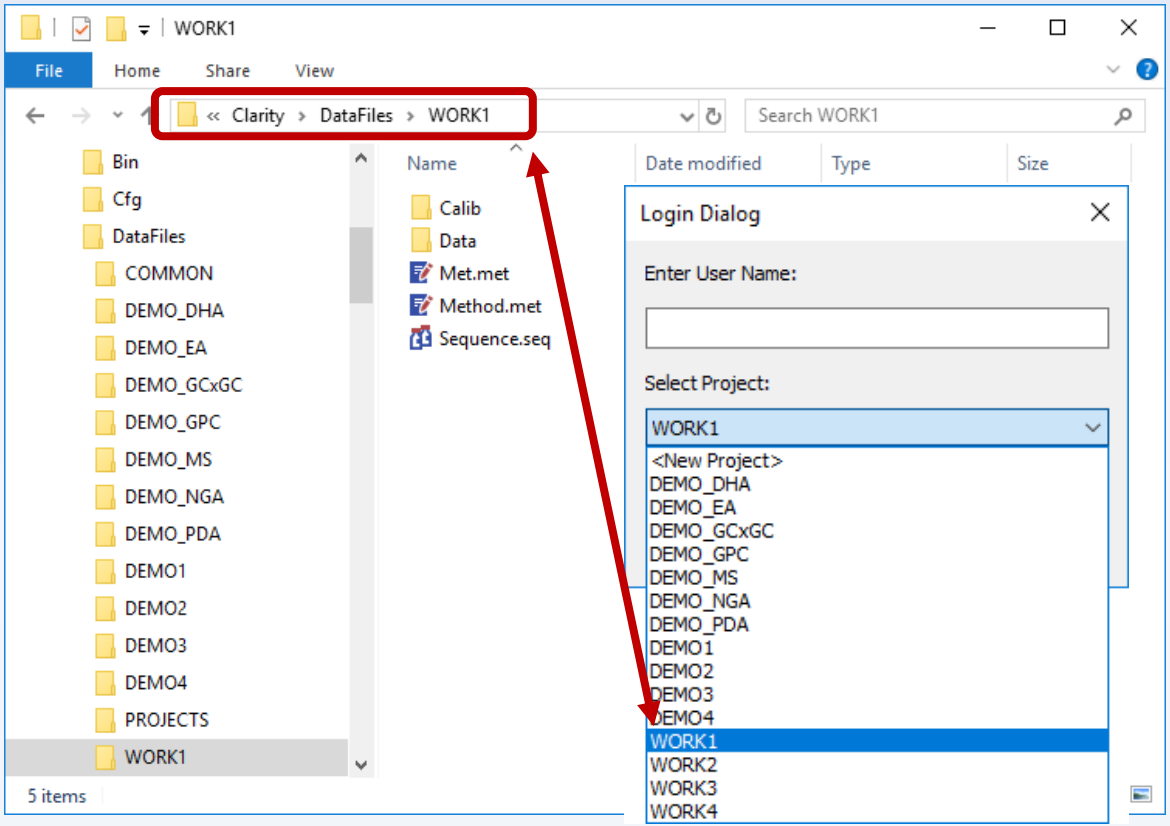


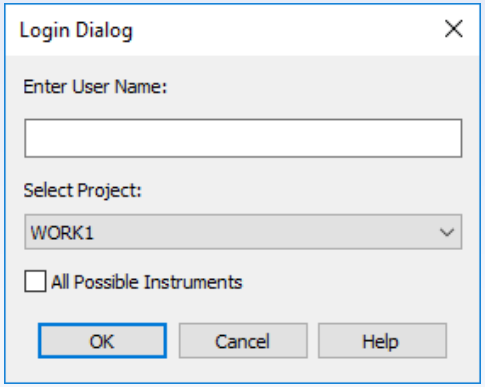


Clarity windows

- ✓ Login dialog
  - ✓ Identification of User
  - ✓ Selection of Project
  - ✓ Data stored here

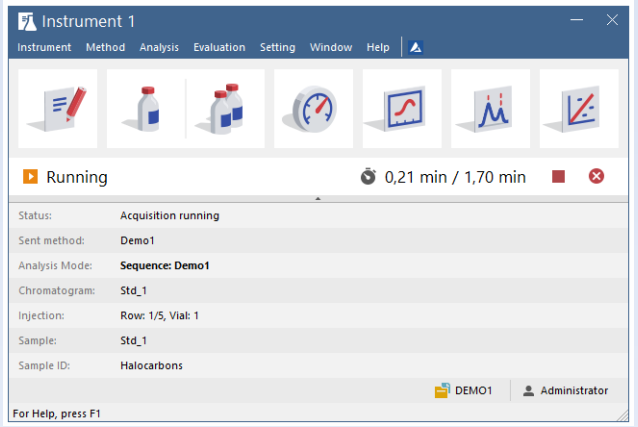


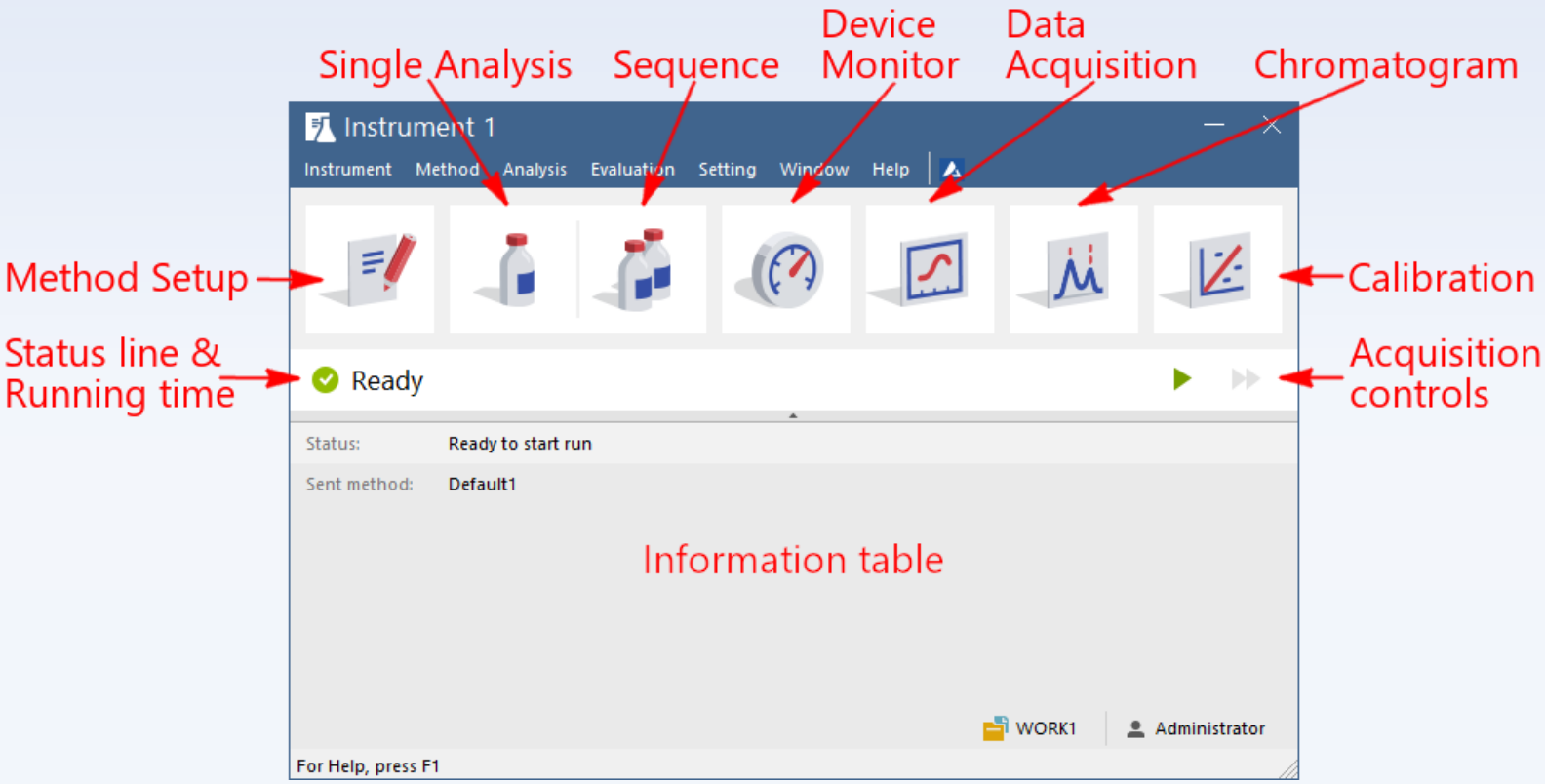




Clarity windows

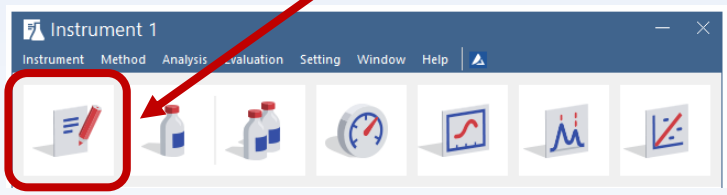
- ✓ Instrument window
  - ✓ Core window – works as signpost
  - ✓ Control of respective Instrument
  - ✓ Status information
  - ✓ Access to all other windows
  - ✓ Icons' order is proposed workflow

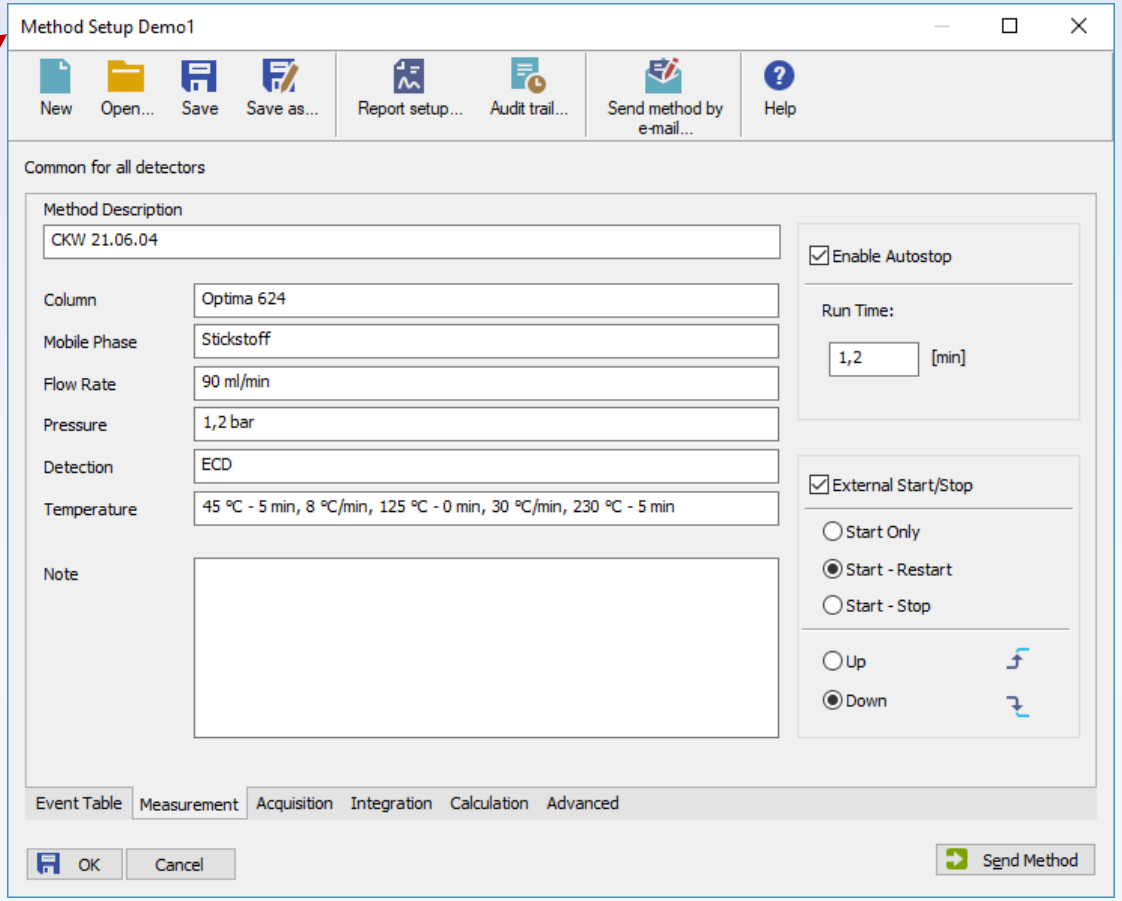




Clarity windows

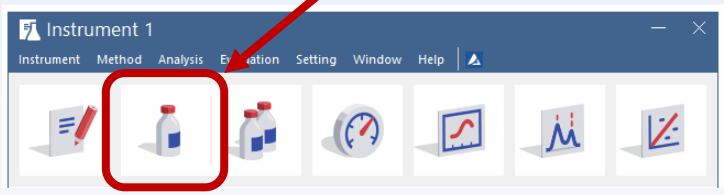
- ✓ Method Setup
  - ✓ Adjusting method parameters in different tabs
  - ✓ Reads from and stores parameters to *.*met* files
  - ✓ User interface is dependent on System Configuration

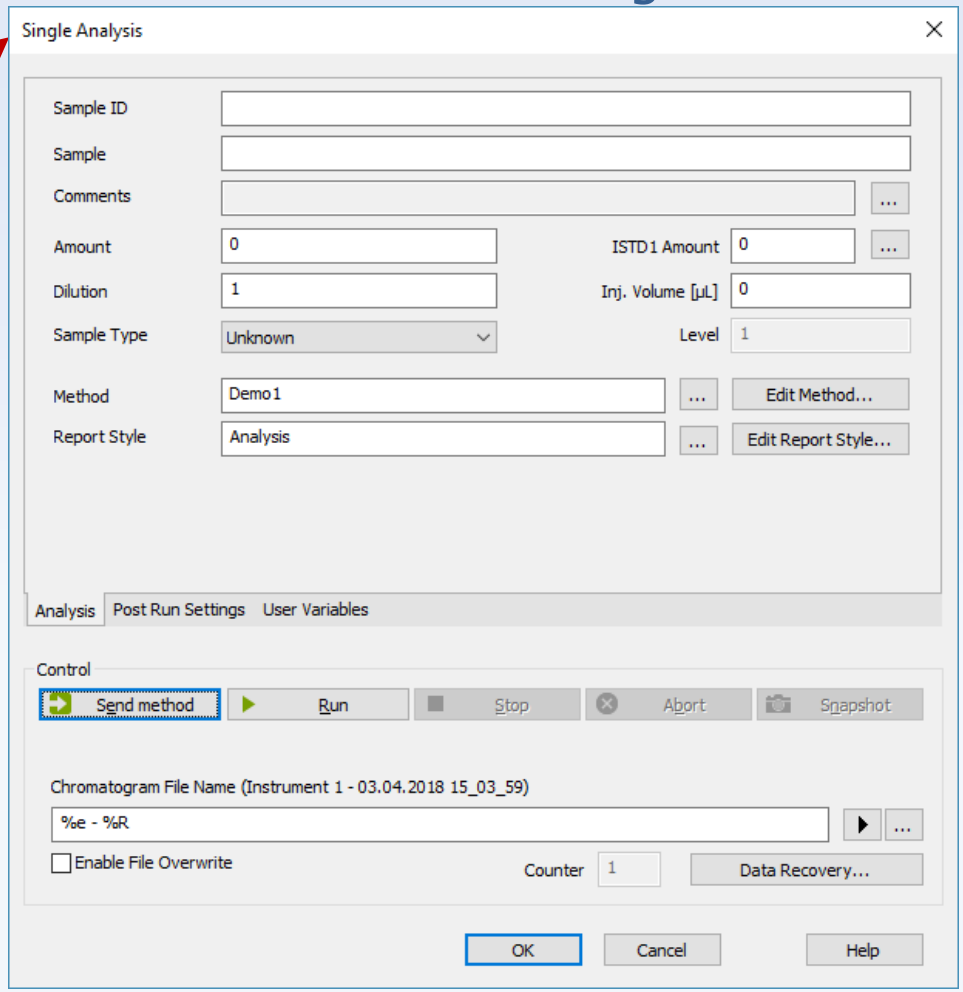




Clarity windows

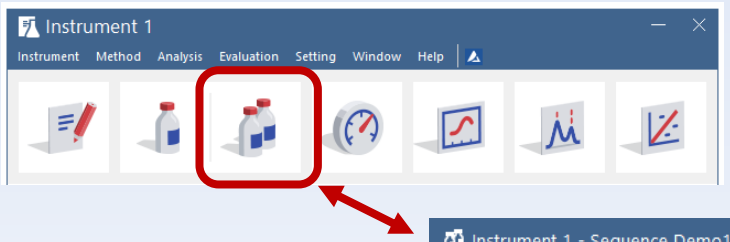
- ✓ Single Analysis
  - ✓ Setting of single analysis routine and post run actions
  - ✓ Presets stored as shared with other user settings





Clarity windows

- ✓ Sequence window
  - ✓ Setting of multiple injections through sequence table
  - ✓ Sequence stored to **.seq* file



Instrument 1 - Sequence Demo1

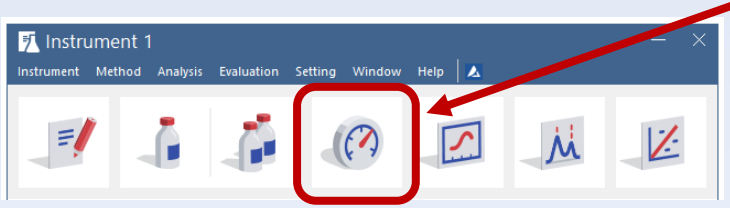
File Edit Sequence View Window Help

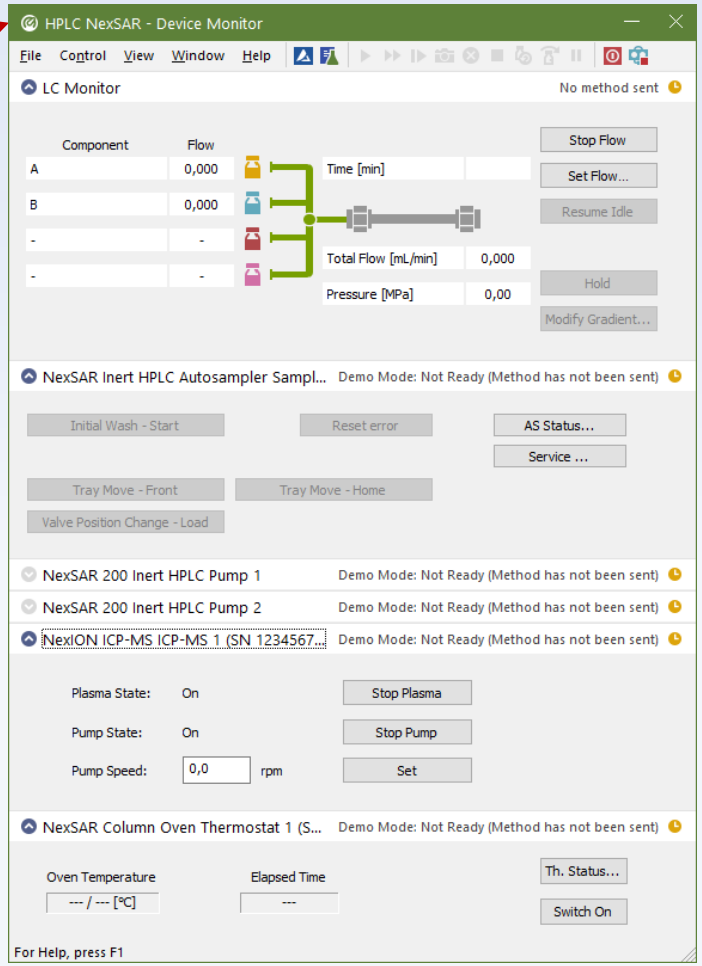
	Status	Run	SV	EV	I/V	Sample ID	Sample	Sample Amount	ISTD1 Amount	Sample Dilut.	Inj.Vol. [µL]	File Name	Sample Type	Lvl	Method Name	Report Style	Open	Open Calib.	Print
1		☑	1	1	1	Halocarbons	Std_1	0,400	2,000	1,000	5,000	%Q	Standard	1	Demo1	Calibration	☐	☐	☐
2		☑	2	2	1	Halocarbons	Std_2	1,000	2,000	1,000	5,000	%Q	Standard	2	Demo1	Calibration	☐	☐	☐
3		☑	3	3	1	Halocarbons	Std_3	3,000	2,000	1,000	5,000	%Q	Standard	3	Demo1	Calibration	☐	☐	☐
4		☑	4	4	2	Halocarbons	Std_4	5,000	2,000	1,000	5,000	%Q%i	Standard	4	Demo1	Calibration	☐	☑	☐
5		☑	5	8	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
6		☑	9	9	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
7		☐	10	10	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
8		☐	11	11	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
9		☑	12	12	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☑
10		☑	13	13	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
11		☑	16	16	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☑	☐	☑
12		☑	17	17	3	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
13	⚠	☑	18	18	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q%i	Unknown		Demo1	Instrument	☐	☐	☐
14	⚠	☑	19	19	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q%i	Unknown		Demo1	Instrument	☐	☐	☐
15		☐	22	22	1	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
16		☑	15	15	2	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
17		☑	20	20	1	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☐	☐	☐
18		☑	23	23	1	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☑	☐	☐
19		☑	21	21	1	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo1	Instrument	☑	☐	☐
20	⊗	☑	22	22	1	Halocarbons	Sample	5,000	2,000	1,000	5,000	%Q Vial_...	Unknown		Demo2	Instrument	☐	☐	☐
21		☐															☐	☐	☐

For Help, press F1 | Single Run: Waiting | Vial: 16 / Inj.: 2 | File Name:

Clarity windows

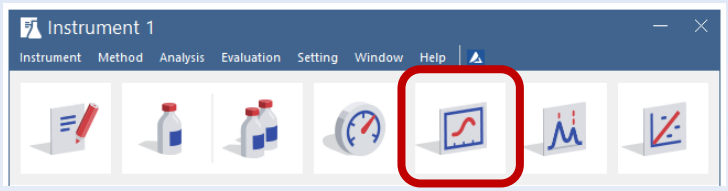
- ✓ Device Monitor
  - ✓ Direct control of Instrument from application
  - ✓ Current status and values read-outs

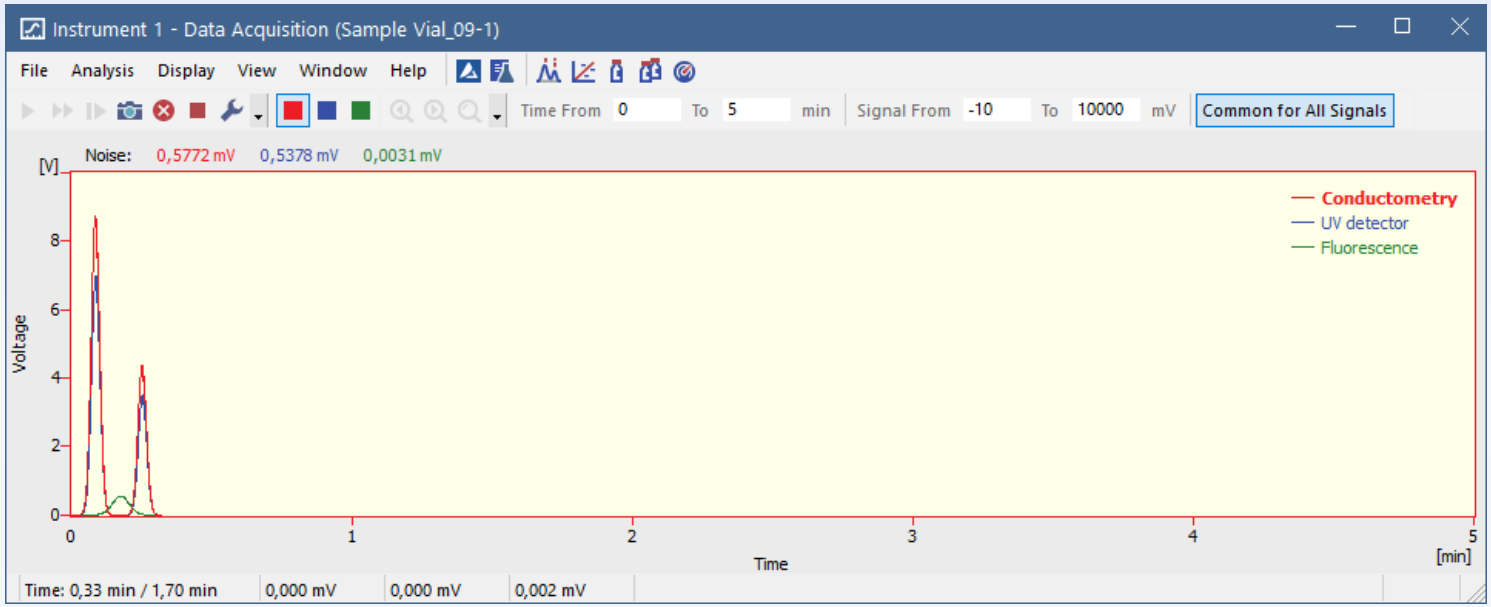




Clarity windows

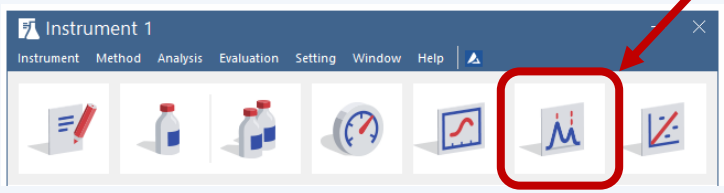
- ✓ Data Acquisition window
  - ✓ Real time monitoring of signal(s)

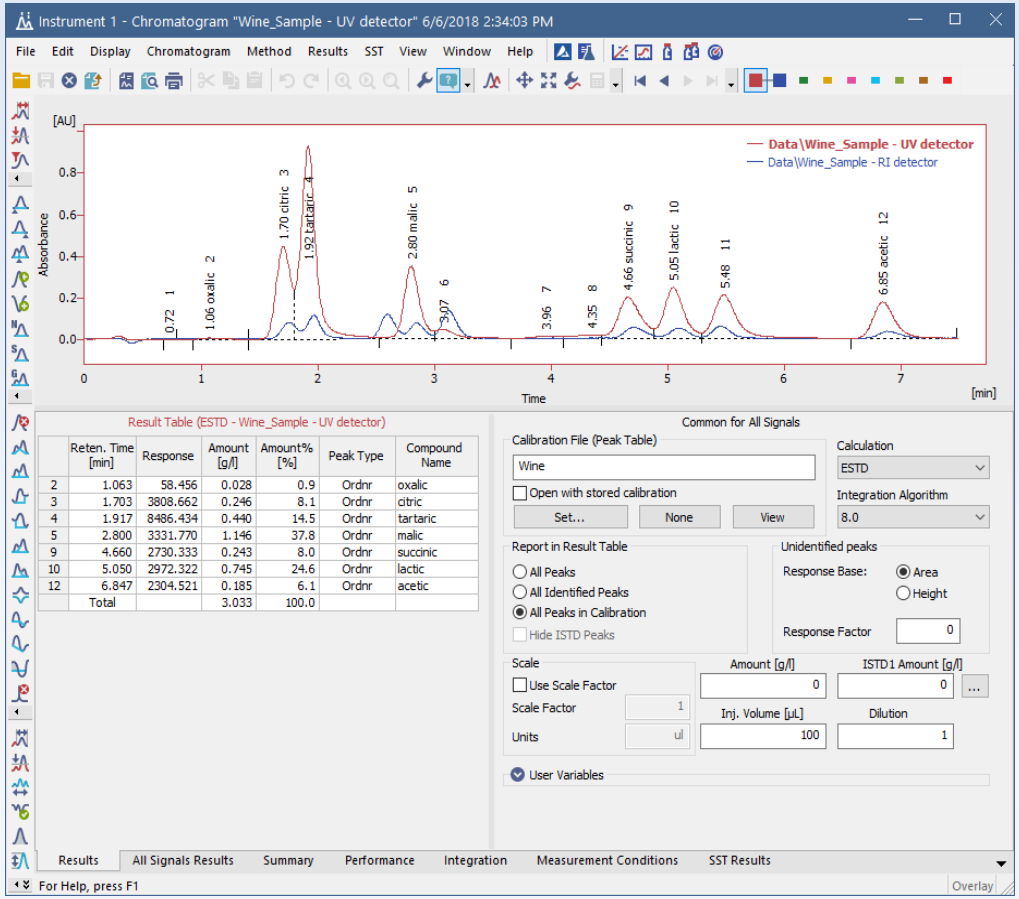




Clarity windows

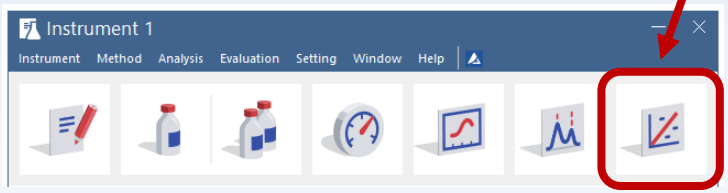
- Chromatogram window
  - Displaying of chromatogram(s)
  - Adjusting of intergration
  - Evaluate results
  - Results in tables
  - Tables in various tabs
  - And many more
  - The most important Clarity window from users' point of view

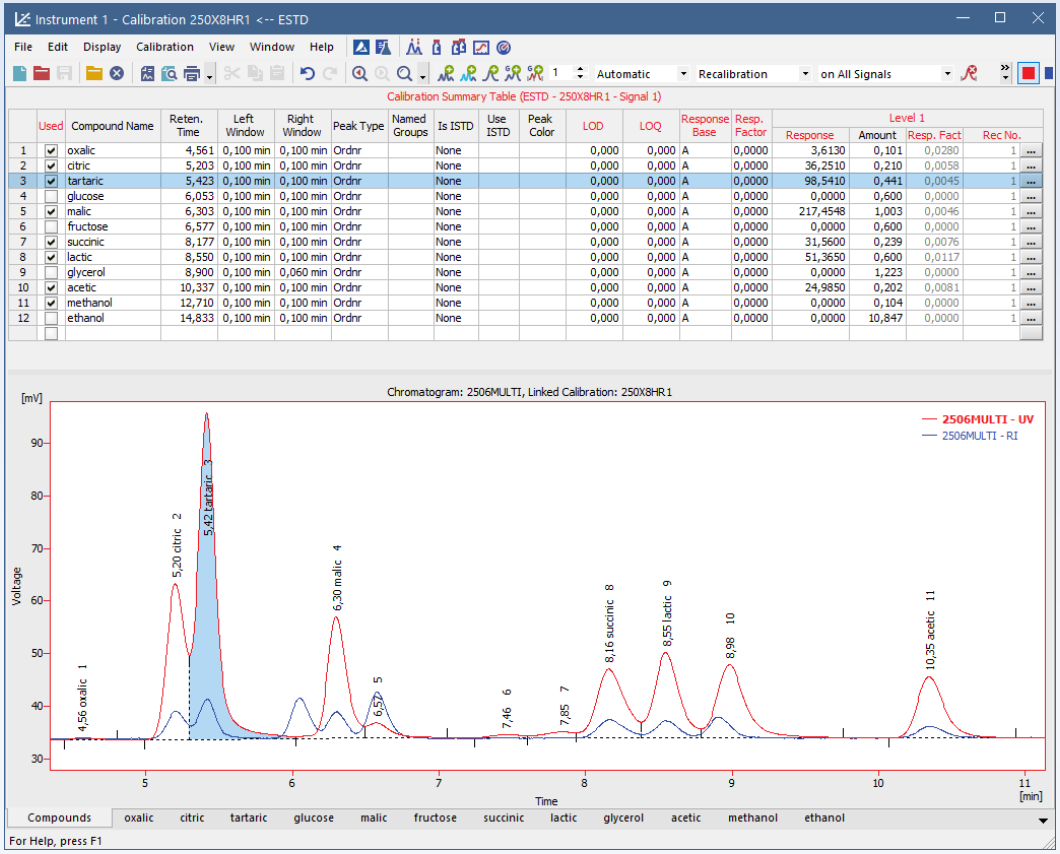




Clarity windows

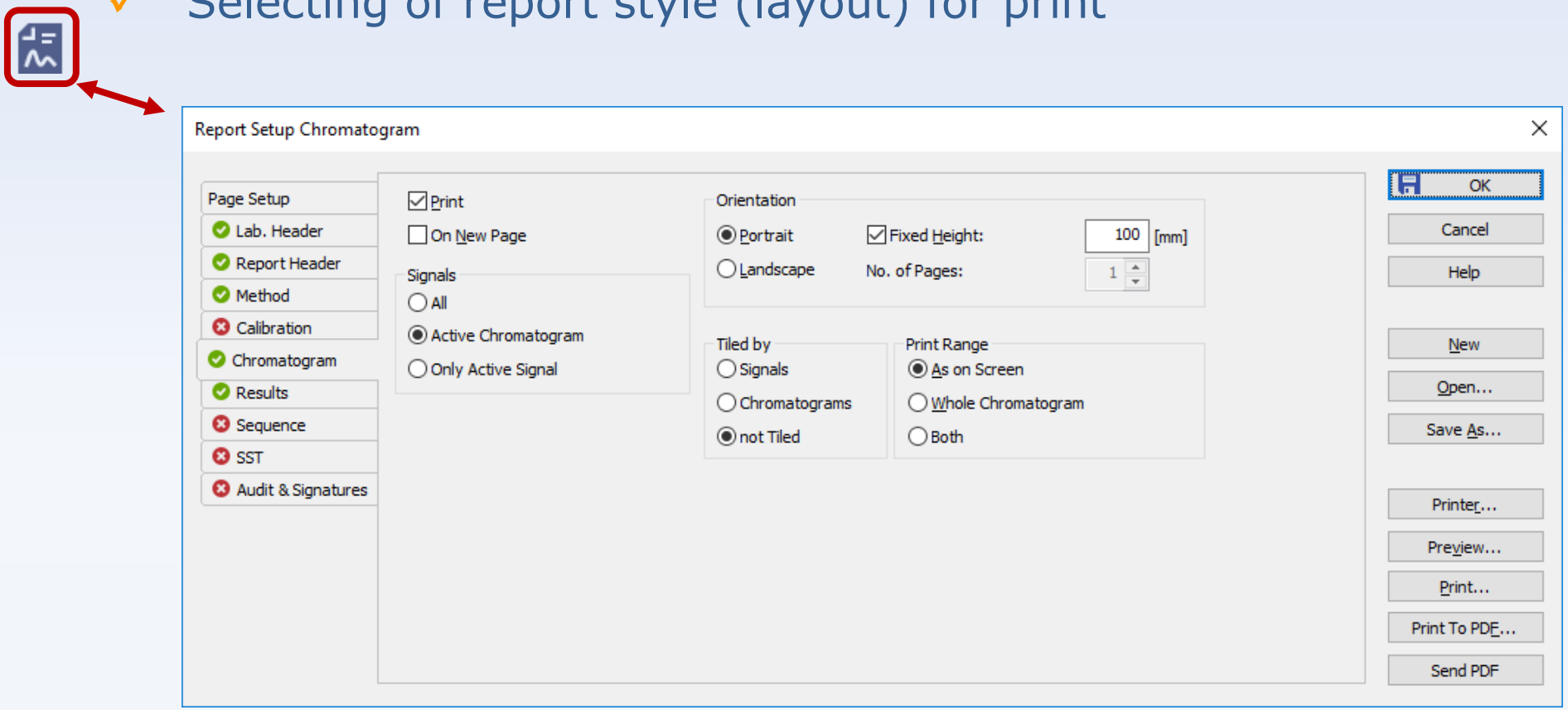
- ✓ Calibration window
  - ✓ Calibration is **must for calculated results** in Chromatogram
  - ✓ Creating of calibrations
  - ✓ Adjusting of calibrations
  - ✓ Review of calibration curves of individual components in tabs





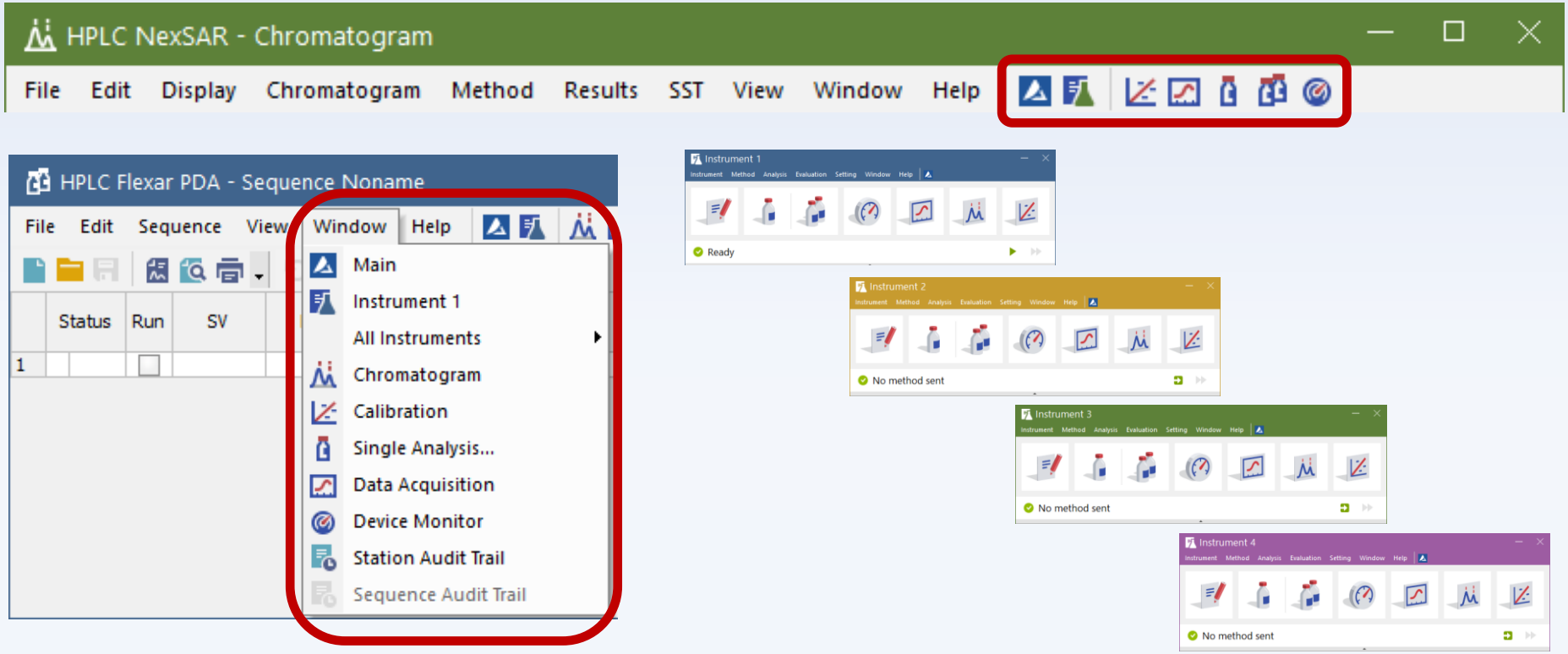
Clarity windows

- ✓ Report Setup dialog
  - ✓ Preview
  - ✓ Print
  - ✓ Common editor for adjusting of report styles
  - ✓ Selecting of report style (layout) for print

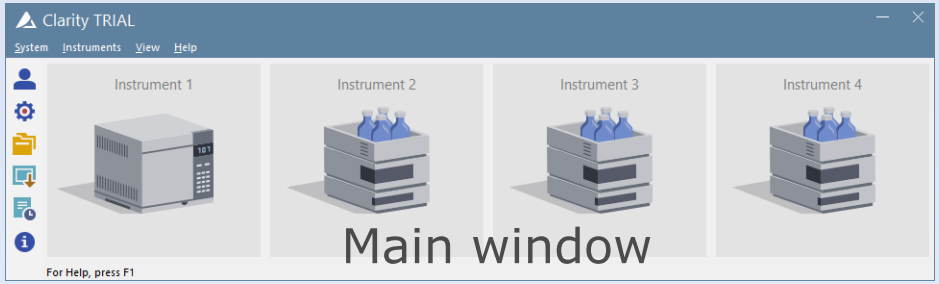


Clarity windows

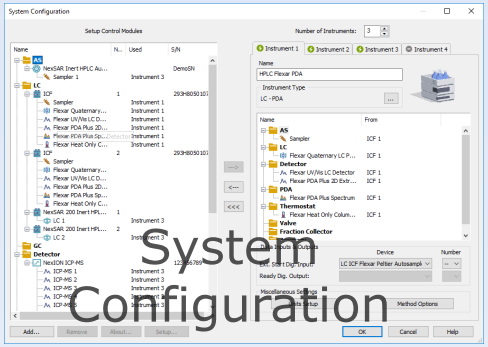
- ✓ Navigation among Clarity windows
  - ✓ Header color assigns window to instrument
  - ✓ Using icons in toolbar
  - ✓ Using menu Window
  - ✓ Using keyboard shortcuts among Instrument windows



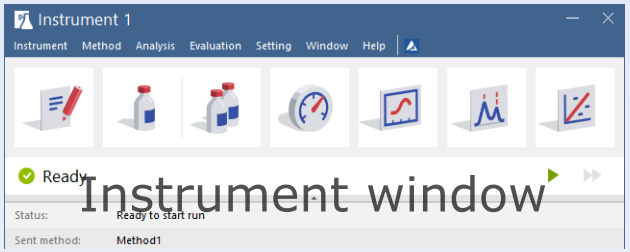
Clarity windows



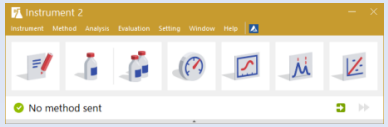
Main window

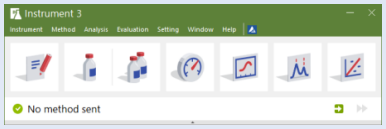


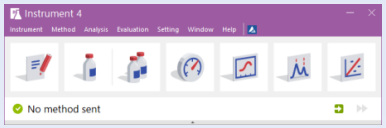
System Configuration

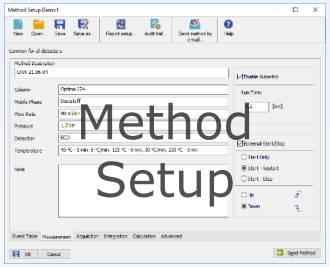


Instrument window

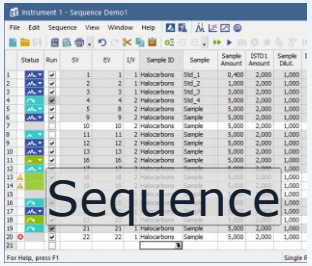


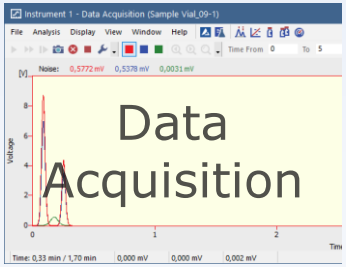


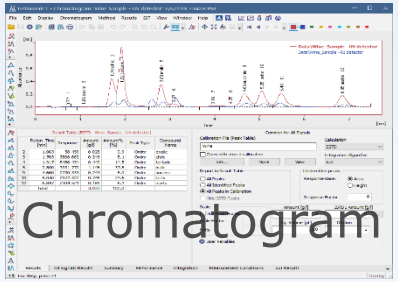


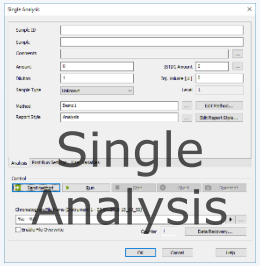


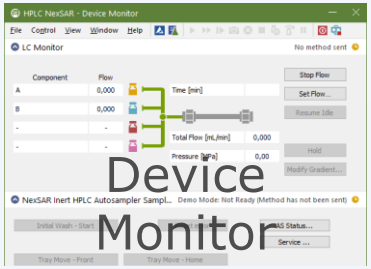
Method Setup

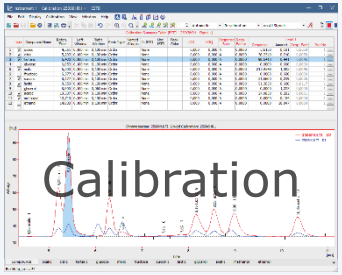












Clarity Summary

- ✓ ‚Workstation‘
- ✓ File based system with defined file structure
- ✓ Multiwindow environment
- ✓ Control of 1 - 4 independent chromatographs
- ✓ Chromatograph = Instrument
- ✓ Signal = individual detector trace
- ✓ Data stored in Projects
- ✓ Calibration Level


DataApex