

23.0331



Clarity™

ADVANCED CHROMATOGRAPHY SOFTWARE

# CLARITY 9.0

WHAT'S NEW

# WHAT IS NEW IN CLARITY 9.0?

- Improvements of the **Integration Algorithm** – new algorithm **Wave** based on previous Experimental
- Batch dialog redesign, **improved handling of calibration** during reprocessing
- Improvements in **Audit Trail**
- Clarity **design** adjusted to the **Windows 11** environment
- A new option **Move down after Enter** in Sequence Table to support **barcode readers**
- Updated SW upgrade policy including **paid upgrades** of major versions
- New and updated control modules

# BATCH DIALOG

Batch

File Type:  
Chromatograms

Select All

Unselect All

Sort by:  
☒ Name  
☐ Modification Time

Order:  
☒ Ascending  
☐ Descending

Options

☐ Complete Processing

Integration  
☐ Preserve ☒ Update

Calibration  
☐ Preserve ☒ Update ☐ Clone New

☒ Reprocess by Method Ethanol in blood

Integration  
☐ Preserve ☒ Update

Calibration  
☐ Preserve ☒ Update

Post Run Options

☐ Open in Chromatogram Window

☐ Print Results

☐ Print Results to PDF

☐ Export Data

☐ Show Alerts

☐ Open in Calibration Window

Include in SST Unchanged

Open with calibration Unchanged

☐ Export Chromatogram in AIA Format

☐ Export Chromatogram in TXT Format

☐ Export Chromatogram in EZChrom Ascii Format

☐ Export Chromatogram in Multidetector Format

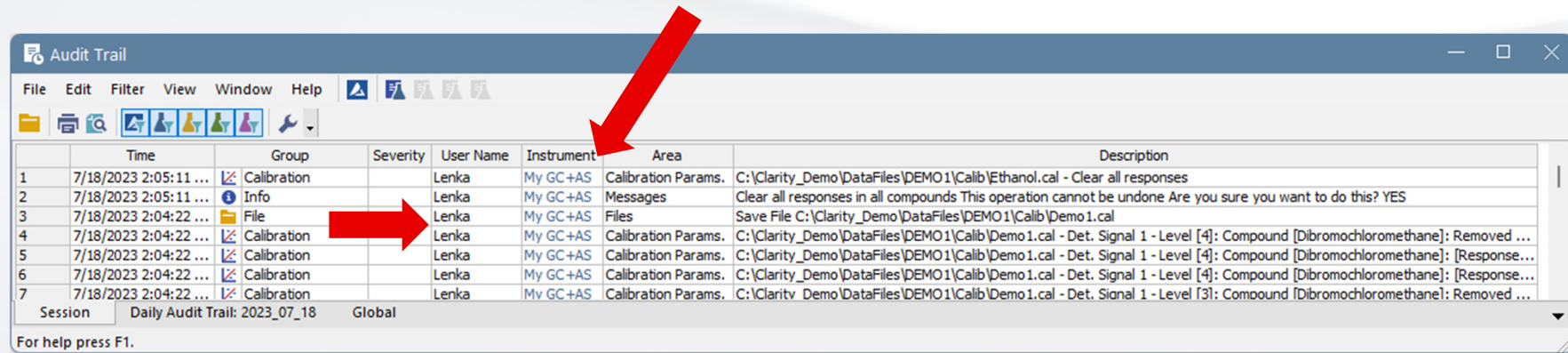
Program to Run

Parameters

Proceed Cancel Help

- Options regrouped to reflect the real workflow
- Calibration cloning from Batch issue fixed

# AUDIT TRAIL



The screenshot shows the 'Audit Trail' window with a menu bar (File, Edit, Filter, View, Window, Help) and a toolbar. Below is a table with 7 rows of audit data. Two red arrows point to the 'Instrument' and 'Area' columns.

	Time	Group	Severity	User Name	Instrument	Area	Description
1	7/18/2023 2:05:11 ...	Calibration		Lenka	My GC+AS	Calibration Params.	C:\Clarity_Demo\DataFiles\DEMO1\Calib\Ethanol.cal - Clear all responses
2	7/18/2023 2:05:11 ...	Info		Lenka	My GC+AS	Messages	Clear all responses in all compounds This operation cannot be undone Are you sure you want to do this? YES
3	7/18/2023 2:04:22 ...	File		Lenka	My GC+AS	Files	Save File C:\Clarity_Demo\DataFiles\DEMO1\Calib\Demo1.cal
4	7/18/2023 2:04:22 ...	Calibration		Lenka	My GC+AS	Calibration Params.	C:\Clarity_Demo\DataFiles\DEMO1\Calib\Demo1.cal - Det. Signal 1 - Level [4]: Compound [Dibromochloromethane]: Removed ...
5	7/18/2023 2:04:22 ...	Calibration		Lenka	My GC+AS	Calibration Params.	C:\Clarity_Demo\DataFiles\DEMO1\Calib\Demo1.cal - Det. Signal 1 - Level [4]: Compound [Dibromochloromethane]: [Response...
6	7/18/2023 2:04:22 ...	Calibration		Lenka	My GC+AS	Calibration Params.	C:\Clarity_Demo\DataFiles\DEMO1\Calib\Demo1.cal - Det. Signal 1 - Level [4]: Compound [Dibromochloromethane]: [Response...
7	7/18/2023 2:04:22 ...	Calibration		Lenka	My GC+AS	Calibration Params.	C:\Clarity_Demo\DataFiles\DEMO1\Calib\Demo1.cal - Det. Signal 1 - Level [3]: Compound [Dibromochloromethane]: Removed ...

Session: Daily Audit Trail: 2023\_07\_18 Global

For help press F1.

- Logging of system messages and pop-up windows improved
- It now contains info about the instrument and user

# INTEGRATION ALGORITHM - WAVE

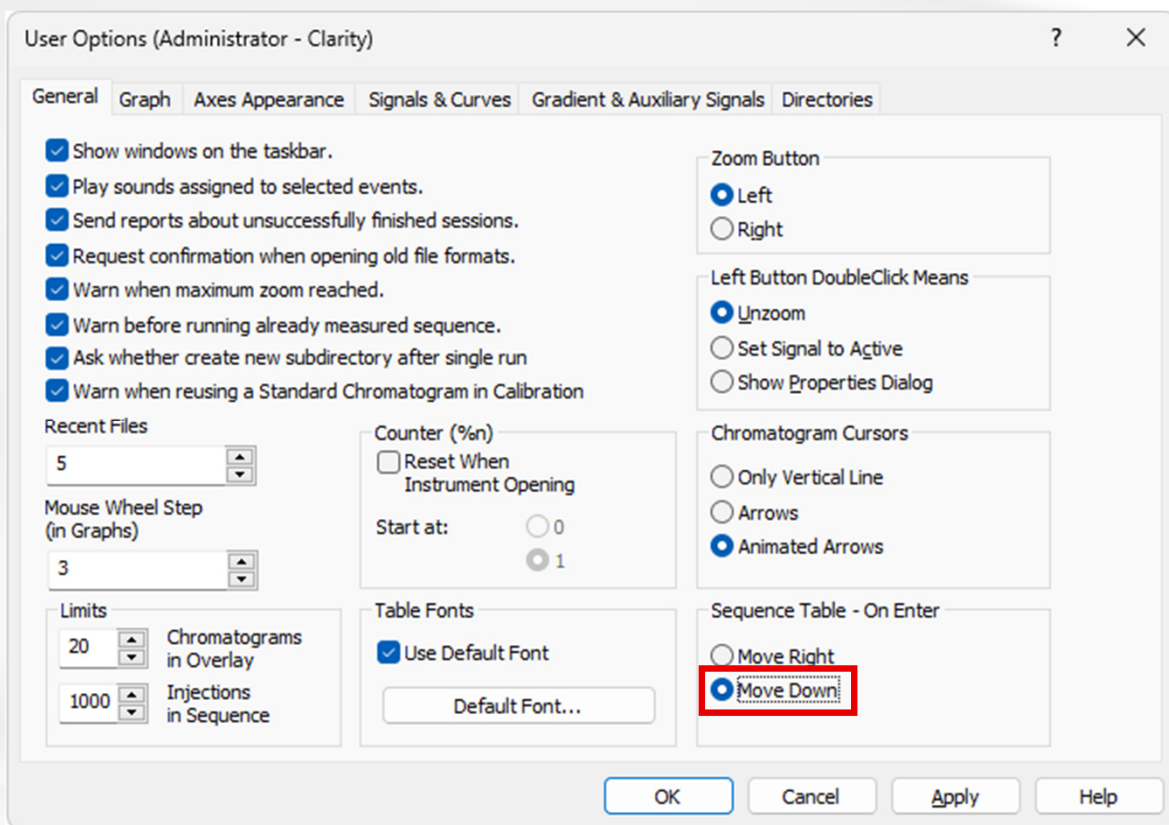
- New **Wave** Integration Algorithm based on previous Experimental algorithm
  - In most cases, integration using just Global Parameters and Integration Interval works better
- Selection of Integration Algorithm moved to the Integration tab



**i** For more details refer to **Clarity 9.0 vs 8.8** manual available at <https://www.dataapex.com/download/manuals>



# BARCODE READER SUPPORT IN SEQUENCE TABLE



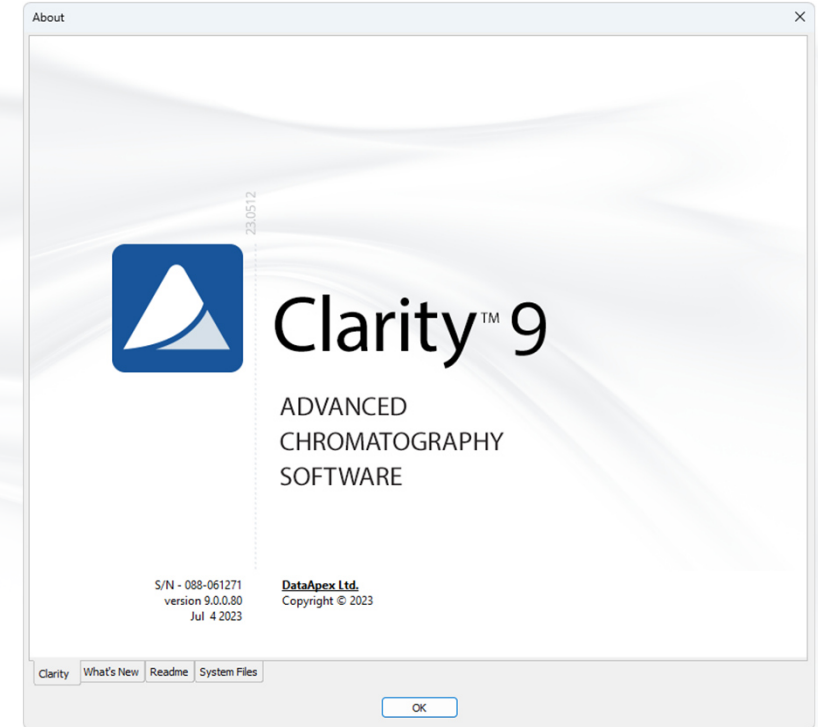
- The **Sequence Table - On Enter** option defines where the focus moves in the Sequence table after pressing Enter:

Move Right – default option

Move Down – used for **barcode readers** emulating keyboard

# UPDATED SW UPGRADE POLICY

- New software license comes with free upgrades one-year period
- **Major versions** – upgrade
  - Change of the version number is before the dot - **A.b.c.d**
  - Includes the change of the user code
  - Are paid (unless the user is entitled to one-year free upgrade)
- **Minor versions** – update
  - Change of the version number is after the first dot - a.**B.C.D**
  - Free of charge
- We sell and provide support only for the latest version of Clarity



**i** For more details refer to <https://www.dataapex.com/product/upgrade>

# OTHER IMPROVEMENTS AND FIXED BUGS

- Fixed MS Search and NIST libraries result differences caused by sending the wrong spectral range from Clarity to NIST
  - Improvements in the behavior of Fraction Collectors
  - Better handling of method version to prevent memory exhaustion
  - New warning when method size exceeds the limit
- ... and a lot more



# NEW CONTROL MODULES

- HTA 2000H, 2000HT, 2100H
- QuadroCore MCore
- Shanghai Sunny Hengping Scientific Instrument GC-MS



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

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

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**...THANK YOU FOR YOUR ATTENTION**