



Accelerating
Innovation
& Enhancing Productivity

Streamline your Laboratory with Chromatography Data System Software

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Streamline Your Laboratory

Maximize Your Lab Productivity



Up to 30% efficiency gain

Save 5–60 min per sequence using smart processing tools

Get more “right-the-first-time” analyses with intelligent functionality

Network-independent data acquisition for 24/7 uptime

Simplify Your Lab Workflows



Faster, simpler workflows

Roll out methods faster with Chromeleon eWorkflows™

Simplify method development with parameter-less integration

Faster results with instant reporting

Reduced number of tests with MS

Lower Your Cost of Ownership



Scalable deployment with easy maintenance

Single software for all instruments reduces training and admin

Leverage existing IT infrastructure

Simplified administration

Link to existing software systems for seamless data flow

Thermo Scientific™ Dionex™ Chromeleon™ Chromatography Data System (CDS) Software



**Boosting Lab
Productivity**



**Simplifying Lab
Workflows**



Reducing Costs

Translating Operational Simplicity into Lab Productivity

- Operational Simplicity concept:
 - ✓ Minimize steps needed to perform any task
 - ✓ Make all steps easy to understand and easy to use
 - ✓ Minimize the time it takes to perform any task
- Significant productivity gains reported by range of customers from different industries
- In addition, productivity gains have been verified by direct competitor comparison
 - Head-to-head comparison of the same tasks (prescribed by customer) in each CDS

<50%

Mouse Clicks

<50%

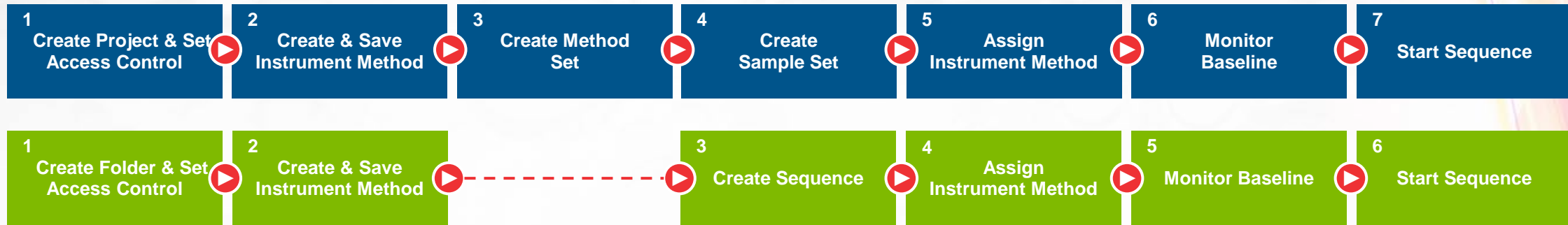
Windows

>50%

Faster

Boosting Lab Productivity – Competitor Comparison

WORKFLOW STEPS FOR SEQUENCE CREATION & RUN



WORKFLOW STEPS FOR DATA PROCESSING



51%

Fewer Mouse Clicks

55%

Fewer Windows

5min

Faster

Boosting Lab Productivity – Getting It Right The First Time

Getting analysis right first time automatically gives:

- ✓ High quality of and confidence in results
- ✓ Lower cost of analysis
- ✓ Improved lab efficiency
- ✓ Faster release to market and return on investment



Predictive Performance

- ✓ Analysis more likely to complete first time



ICH Method Validation Templates

- ✓ Robust method more likely to run first time



eWorkflows

- ✓ Create correct sequence first time, every time



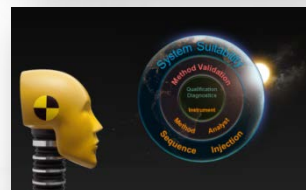
Sequence Ready Check

- ✓ Confirms sequence will run to completion



Smart Startup

- ✓ Ensures first injection is always good



System Suitability Tests

- ✓ Gives highest confidence in results



Intelligent Run Control

- ✓ Get right results, no out of spec investigations



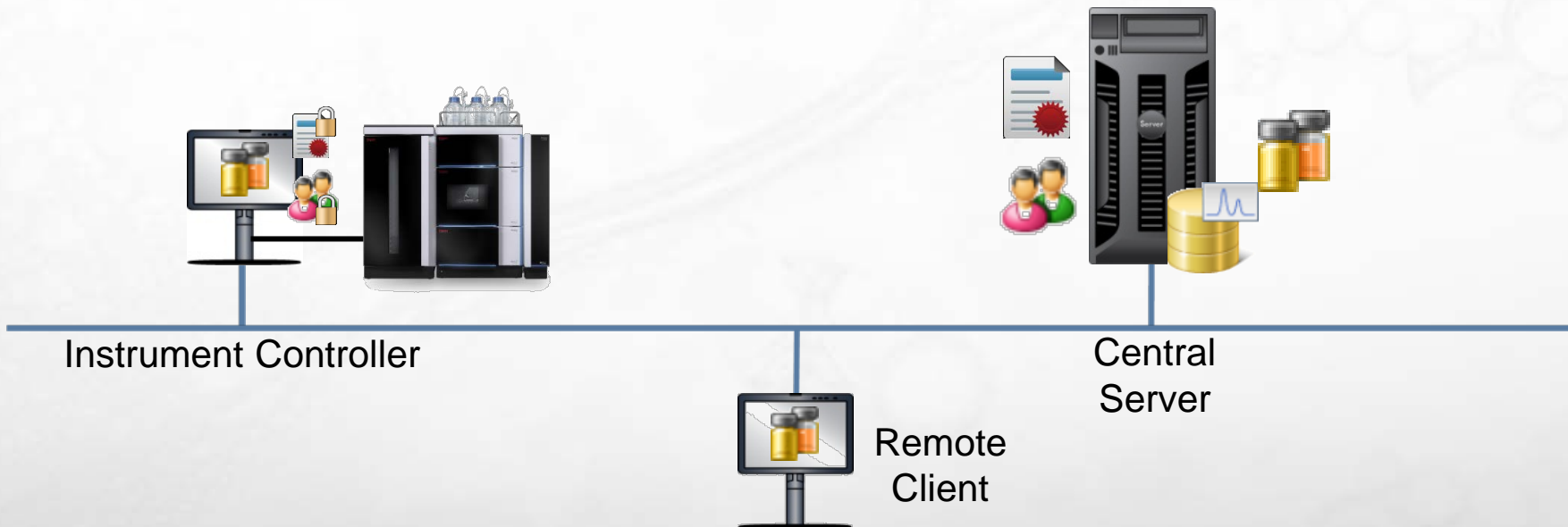
Report Templates with Report Check

- ✓ Correct calculations give high confidence in results

Boosting Lab Productivity – 24/7 Laboratory Uptime

Chromeleon CDS maintains 24/7 operation by ensuring:

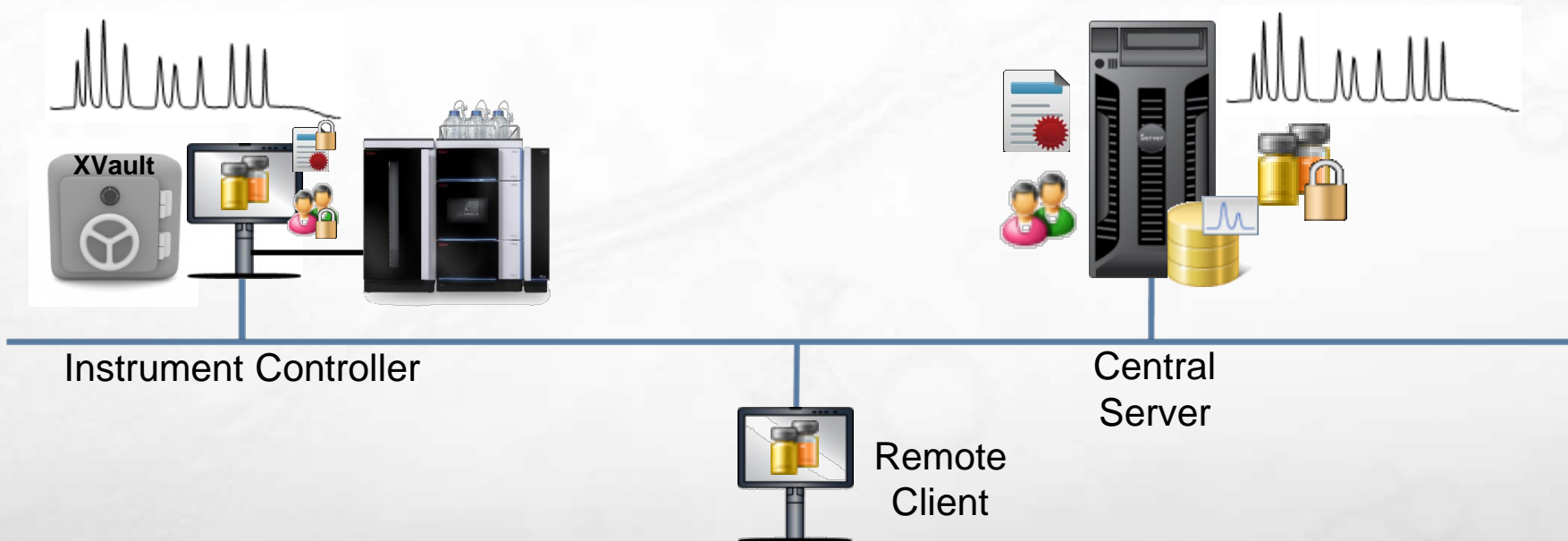
- ✓ Software license always available
- ✓ Users can always log on
- ✓ Users can continue working
- ✓ No loss of data being generated during a network failure



Boosting Lab Productivity – 24/7 Laboratory Uptime

Chromeleon CDS maintains 24/7 operation by ensuring:

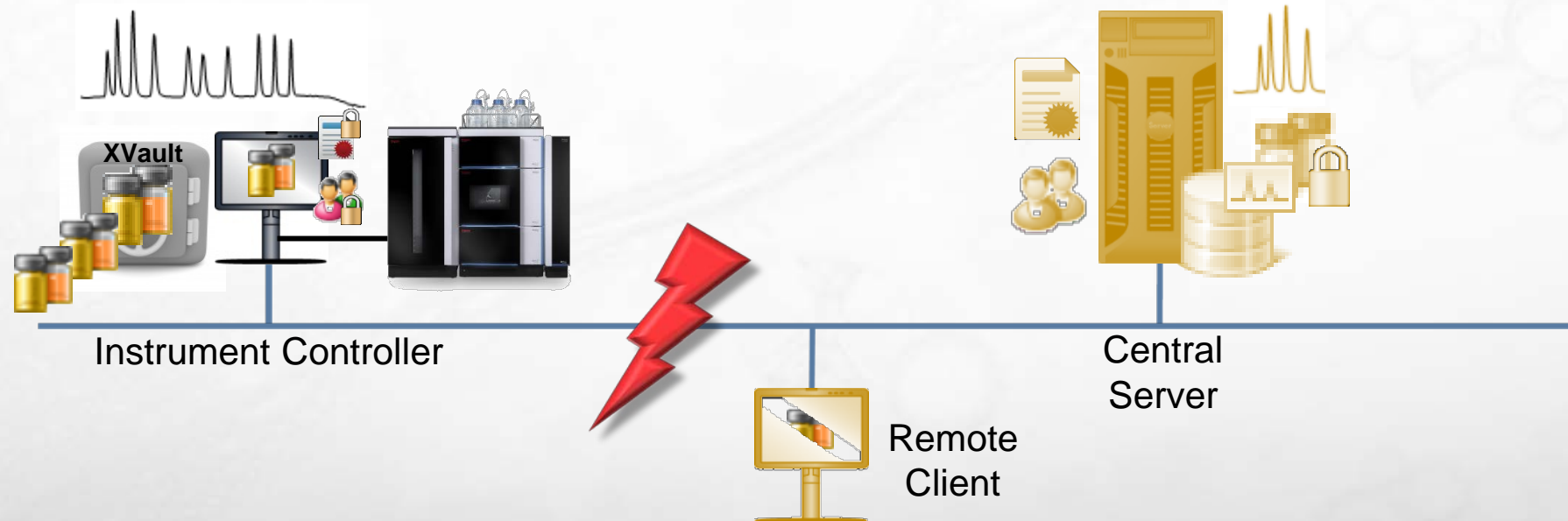
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Boosting Lab Productivity – 24/7 Laboratory Uptime

Chromeleon CDS maintains 24/7 operation by ensuring:

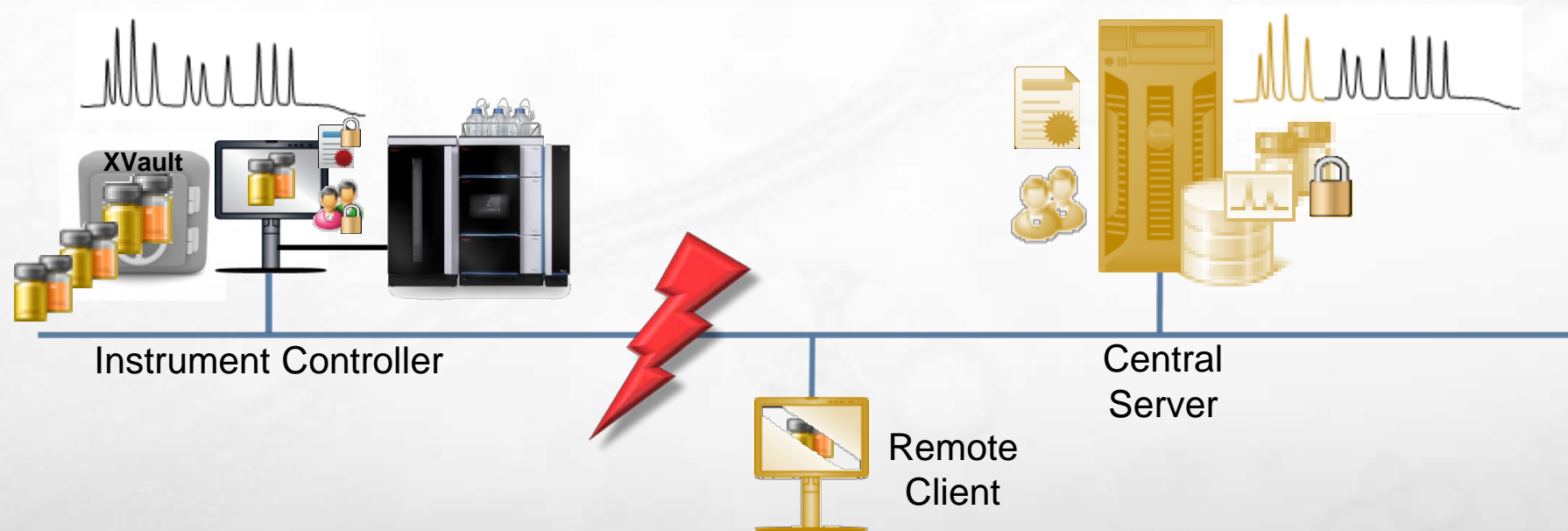
- ✓ Software license always available
- ✓ Users can always log on
- ✓ Users can continue working
- ✓ No loss of data being generated during a network failure



Boosting Lab Productivity – 24/7 Laboratory Uptime

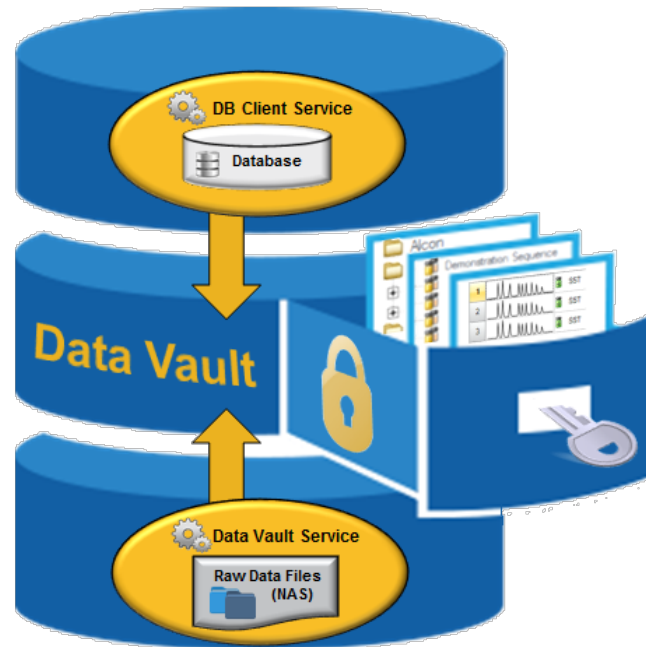
Chromeleon CDS maintains 24/7 operation by ensuring:

- ✓ Software license always available
- ✓ Users can always log on
- ✓ Users can continue working
- ✓ No loss of data being generated during a network failure



Boosting Lab Productivity – 24/7 Laboratory Uptime

Chromeleon Domain Concept: Logically separating administration and data management



Benefits: Superior user experience, unmatched uptime (fail-over in emergency case) and central administration

Chromeleon CDS increases your lab productivity!

- ✓ Operational simplicity delivers ease of use, saving time, effort, and training costs
- ✓ Suite of intelligent tools work together, ensuring more right-the-first-time analyses saving time and cost
- ✓ True 24/7 laboratory uptime with outage protection for maximum utilization of resources and faster return on investment





**Boosting Lab
Productivity**



**Simplifying Lab
Workflows**



Reducing Costs

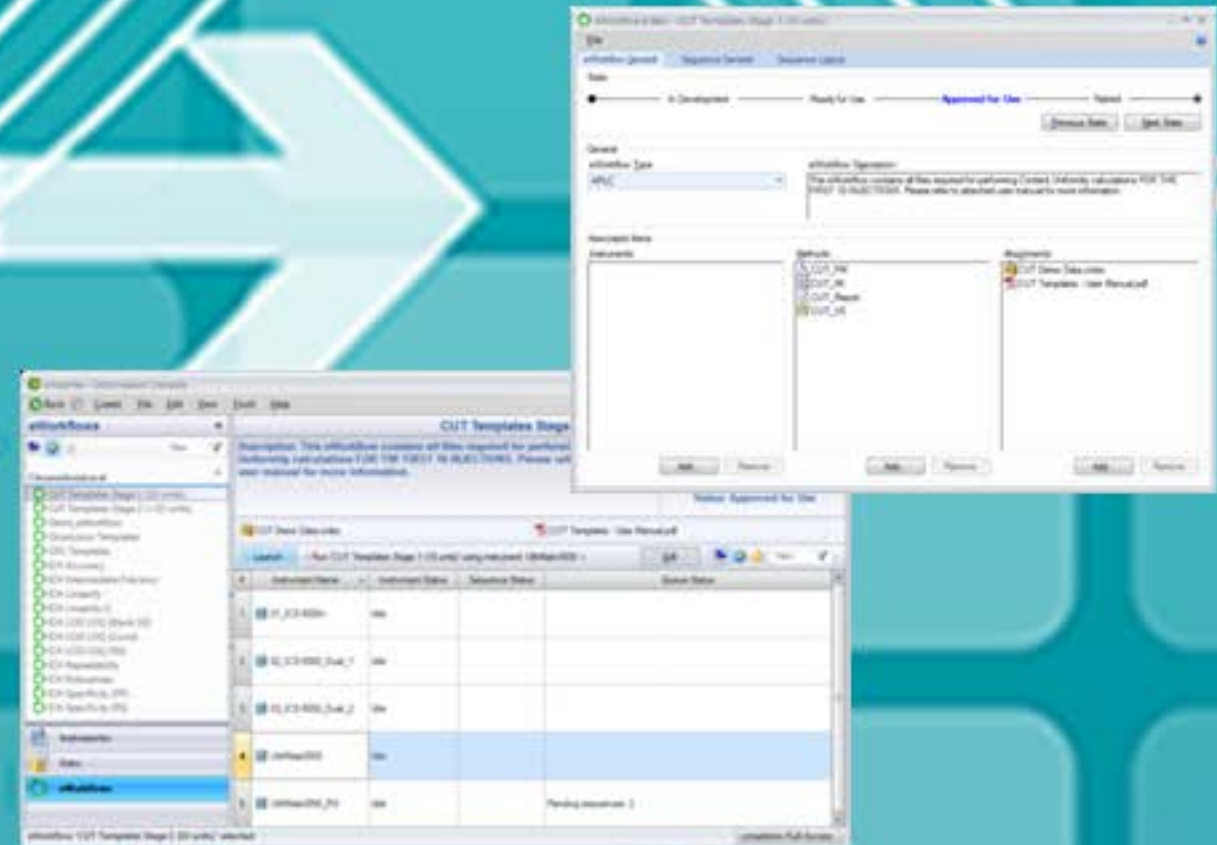
Simplifying Lab Workflows – Sequence Creation

- Most components of analysis are already in the CDS
 - Many areas where manual sequence creation causes errors
 - How do you ensure that your sequence is created and structured correctly?
 - How do you know you have the right methods and report?
 - How can you simplify analysis setup and execution?
-
- Chromeleon eWorkflows for fast, easy, accurate sequence creation



Simplifying Lab Workflows – eWorkflows

- Electronic procedure automating lab processes related to a chromatographic analysis
- Assists user in creating an appropriate sequence for a suitable instrument with pre-defined associated files and a well-defined structure
- Guides you from samples to reliable results in minimum number of steps



Simplifying Lab Workflows – eWorkflows

eWorkflows contain:

- Instruments on which the analysis can be run
- All associated files:
 - Instrument methods
 - Processing methods
 - Reports
 - Spectral libraries
 - External documents (e.g., the SOP!)
 - Template for sequence name and storage location
 - Custom variables
 - Signature requirements
 - Launch message to user
 - Rules for sequence layout

- ✓ Ensure your SOP is followed
- ✓ Reduce errors and produce reliable results faster
- ✓ Fully customizable for any application in any laboratory
- ✓ Minimize amount of training required



Simplifying Lab Workflows – eWorkflows

- Easy method distribution
- eWorkflows Category
 - Once saved appears automatically
 - Control via filters and access groups



- ewfx Backup File
 - External to Chromeleon CDS
 - Can email and import



- AppsLab Library of Analytical Applications
 - Repository of methods
 - Contain eWorkflows ready to download and run

The screenshot shows the Thermo Scientific AppsLab Library website. At the top left is the Thermo Scientific logo. To its right is the text "AppsLab Library". In the top right corner, there is a user greeting: "Welcome, Susanne Kramer | Logout Contact Us | Getting Started". Below the header is a navigation bar with social media icons for Facebook, Google+, LinkedIn, Twitter, and RSS. The main content area is divided into three sections: "Search", "Find One-Click Workflows", and "Run". The "Search" section shows a search interface with a "Thermo AppsLab" logo. The "Find One-Click Workflows" section shows a workflow diagram with a "Methods Report Sequence" box and a list of industries: Pharma, Environmental, Food & Beverage, and Chemical. The "Run" section shows a chromatogram and a scientist in a lab coat. Below the navigation bar is a "Share" section with icons for Facebook, Twitter, LinkedIn, Google+, RG, and Email. A welcome message reads: "Welcome to the Thermo Scientific AppsLab Library of Analytical Applications! The AppsLab Library of Analytical Applications is a fully searchable online, analytical method repository where you can find applications with detailed method information, chromatograms and related compound information. All the information needed to run, process and report the analysis is available in ready-to-use eWorkflows. Discover the latest applications from Thermo Fisher Scientific for LC, IC, GC, GC-MS and LC-MS instruments. Search by compound, column, instrument or any other method parameter and view key method parameters. Download one-click eWorkflows, created and tested by Thermo Fisher Scientific application scientists, which can be directly executed in your chromatography data system." Below the welcome message is a search bar with the text "Find a Method" and "Find Methods For Your Needs". The search bar contains the text "EPA 300.1" and a search icon. To the right of the search bar is a preview card for "AU178: A Faster Solution with Increased Resolution for Determining Chromatographic Identity and Absence of OSCS in Heparin Sodium". The preview card includes a chromatogram and the text "Instrument Type: IC".

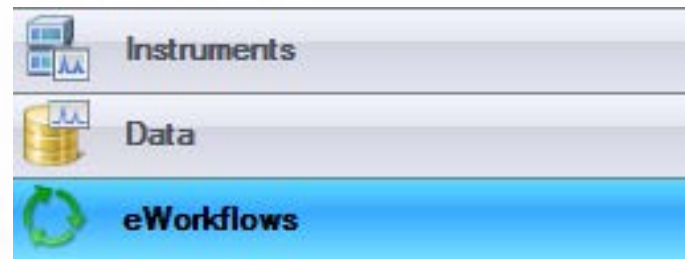
Simplifying Lab Workflows – eWorkflows

How do you use an eWorkflow?



Simplifying Lab Workflows – eWorkflows

- Category bars in the Chromeleon Console
- Provide immediate access to all your instruments, data and eWorkflows



Simplifying Lab Workflows – eWorkflows

The screenshot shows the Chromeleon Console interface for eWorkflows. On the left, a sidebar lists various eWorkflows, with 'Dissolution Templates' selected. A callout bubble points to the 'Filter' dropdown in the top left, stating "... can be filtered". The main area displays the 'Dissolution Templates' workflow details, including a description, type (HPLC), and status (Approved for Use). A callout bubble points to this section, stating "eWorkflow description & status". Below the details is a table of available instruments and their status. A callout bubble points to the table header, stating "Available instruments & status". Another callout bubble points to the sidebar list, stating "List of available eWorkflows...".

... can be filtered

eWorkflow description & status

List of available eWorkflows...

Available instruments & status

Instruments	Instrument	Instrument Status	Queue Status
3	03_IC5-5000_Dual_2	Idle	
4	UltiMate3000	Running	ICH Linearity 040214122838 (Injection: 1 of 15)
		Idle	Pending sequences: 1

Simplifying Lab Workflows – eWorkflows

The screenshot shows the Chromeleon Console interface. The left sidebar contains a tree view of eWorkflows, with 'Dissolution Templates' selected. The main panel displays the details for this eWorkflow, including a description, type (HPLC), and status (Approved for Use). Below this is a table of instrument status.

#	Instrument Name	Instrument Status	Sequence Status	Queue Status
1	01_IC5-5000+	Monitoring Baseline	Manual (Injection: 1 of 1)	
2	02_IC5-5000_Dual_1	Idle		Pending sequences: 1
3	03_IC5-5000_Dual_2	Idle		
4	UltiMate3000	Running	ICH Linearity 040214122838 (Injection: 1 of 15)	
5	UltiMate3000_RS	Idle		

At the bottom of the console, a status bar indicates 'eWorkflow 'Dissolution Templates' selected' and 'cmadmin: Full Access'.

1. Select eWorkflow

2. Select Instrument

3. Click Launch

Simplifying Lab Workflows – eWorkflows

Sample
Define the desired number of samples and the corresponding start position

Rack View

Number of samples: 1

Completed location: RA1

Run sequence after creation

Optional

#	Chromatog	Name	Type	Level	Replicate ID	Position	Volume [μL]	Instrument
1	None	Blank	Unknown			R41	10.0000	
2	None	SST Standard 1	Check Standard			R42	10.0000	
3	None	SST Standard 2	Check Standard			R43	10.0000	
4	None	SST Standard 3	Check Standard			R44	10.0000	
5	None	SST Standard 4	Check Standard			R45	10.0000	

Finish

Sampler rack view

Sequence preview

4. Input number of samples

5. Input position of first sample

6. Click Finish

Simplifying Lab Workflows – eWorkflows

- Sequence created in 6 clicks with correct:
 - Name
 - Location
 - Methods
 - Report
 - Structure
 - Custom Variables
- Plus:
 - SOP attached
 - Can run immediately



Dissolution Experiment 21-Feb-2014 16-42

New Start [UltraMate3000_RS] (Idle)

Save Studio Print Up Insert Row Fill Down Lock Filtering Grouping

#	Chromatog	Name	Type	Level	Position	Volume [μl]	Instrument Method	Processing Method
1	None	Blank	Blank		R41	1.000	Dissolution_IM	Dissolution_PM
2	None	System Suitability	Check Standard		R42	1.000	Dissolution_IM	Dissolution_PM
		Suitability	Check Standard		R42	1.000	Dissolution_IM	Dissolution_PM
		Suitability	Check Standard		R42	1.000	Dissolution_IM	Dissolution_PM
		Suitability	Check Standard		R42	1.000	Dissolution_IM	Dissolution_PM
		Suitability	Check Standard		R42	1.000	Dissolution_IM	Dissolution_PM
		Suitability	Check Standard		R42	1.000	Dissolution_IM	Dissolution_PM
		on Standard	Calibration Standard	01	R43	1.000	Dissolution_IM	Dissolution_PM
9	None	Calibration Standard	Calibration Standard	02	R44	1.000	Dissolution_IM	Dissolution_PM
10	None	Calibration Standard	Calibration Standard	03	R45	1.000	Dissolution_IM	Dissolution_PM
11	None	Sample	Unknown		R46	1.000	Dissolution_IM	Dissolution_PM
12	None	Sample	Unknown		R47	1.000	Dissolution_IM	Dissolution_PM
13	None	Sample	Unknown		R48	1.000	Dissolution_IM	Dissolution_PM
14	None	Sample	Unknown		RB1	1.000	Dissolution_IM	Dissolution_PM
15	None	Sample	Unknown		RB2	1.000	Dissolution_IM	Dissolution_PM
16	None	Sample	Unknown		RB3	1.000	Dissolution_IM	Dissolution_PM
17	None	Calibration Standard	Calibration Standard	01	RB4	1.000	Dissolution_IM	Dissolution_PM
18	None	Calibration Standard	Calibration Standard	02	RB5	1.000	Dissolution_IM	Dissolution_PM
19	None	Calibration Standard	Calibration Standard	03	RB6	1.000	Dissolution_IM	Dissolution_PM

Click here to add a new injection

#	Name	Value	Description
1	Batch_No	<Enter Batch number>	Dissolution Batch Number
2	Disso_No	<Enter unique Dissolution Experiment number>	Dissolution Experiment Number
3	Initial_Volume	0	Dissolution Initial Volume in Vessel
4	Volume_Taken	0.00	Dissolution Volume Taken at Each Time Point

Click here to add a custom sequence variable

Associated Items Custom Sequence Variables (4) Custom Formulas

Injection Rack View

ChromeleonLocal
Chromeleon_Demonstration
Chromeleon7_ExtensionPack
Dissolution_Tests
Dissolution Experiment 21-Feb-2014 16-42

Simplifying Lab Workflows – Data Processing

- Instant data processing and reporting
- Parameter-less integration
- Smart integration tools



Simplifying Lab Workflows – Data Dynamic Linking and Updating – 1

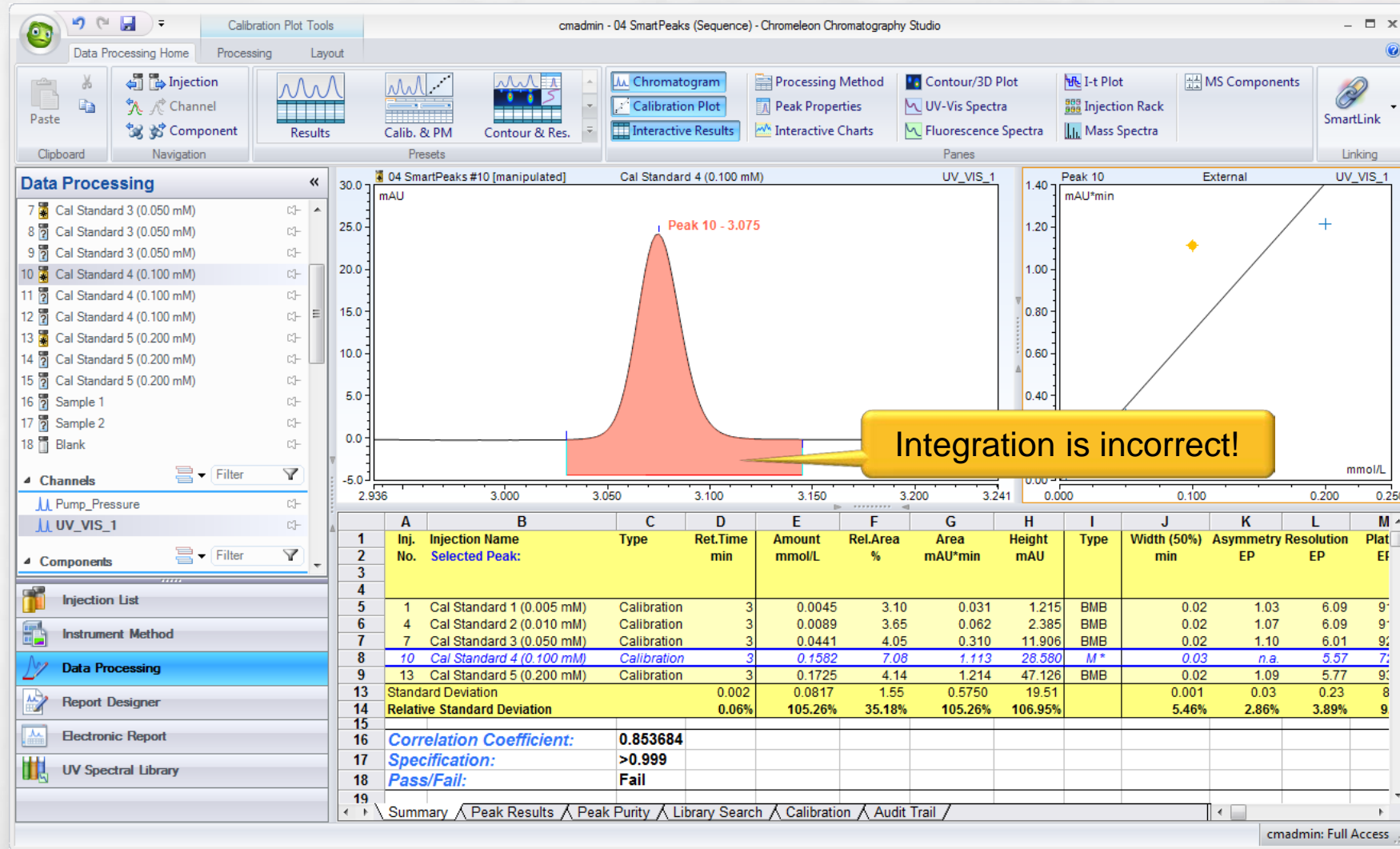
Likely cause is this outlier point

To investigate, double click point and associated chromatogram is automatically displayed

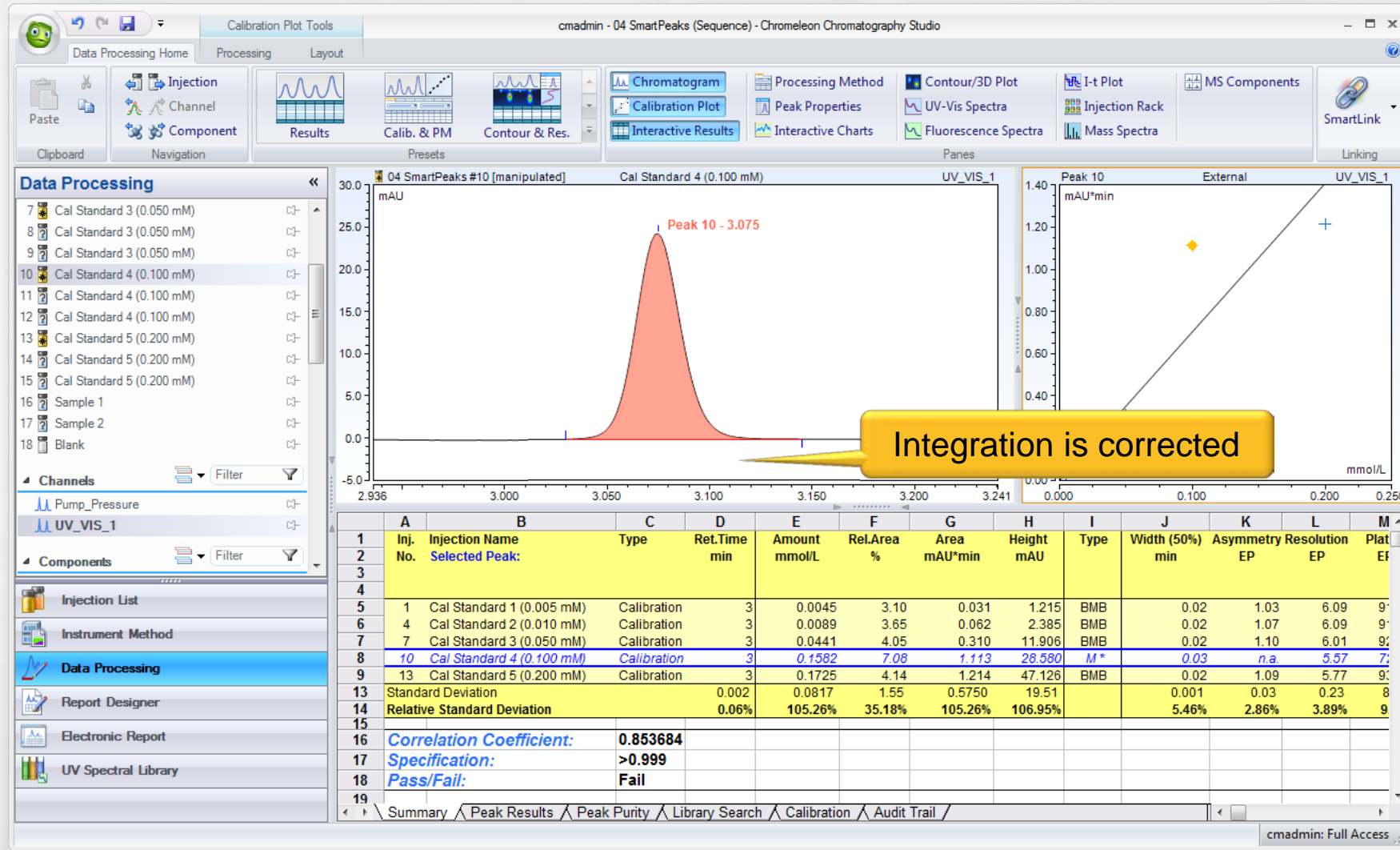
Calibration has failed specification

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Inj. No.	Injection Name	Type	Ret.Time min	Amount mmol/L	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asymmetry EP	Resolution EP	Plat EF
5	1	Cal Standard 1 (0.005 mM)	Calibration	3	0.0045	3.10	0.031	1.215	BMB	0.02	1.03	6.09	9
6	4	Cal Standard 2 (0.010 mM)	Calibration	3	0.0089	3.65	0.062	2.385	BMB	0.02	1.07	6.09	9
7	7	Cal Standard 3 (0.050 mM)	Calibration	3	0.0441	4.05	0.310	11.906	BMB	0.02	1.10	6.01	9
8	10	Cal Standard 4 (0.100 mM)	Calibration	3	0.1582	7.08	1.113	28.580	M*	0.03	n.a.	5.57	7
9	13	Cal Standard 5 (0.200 mM)	Calibration	3	0.1725	4.14	1.214	47.126	BMB	0.02	1.09	5.77	9
13	Standard Deviation			0.002	0.0817	1.55	0.5750	19.51		0.001	0.03	0.23	8
14	Relative Standard Deviation			0.06%	105.26%	35.18%	105.26%	106.95%		5.46%	2.86%	3.89%	9
16	Correlation Coefficient:		0.853684										
17	Specification:		>0.999										
18	Pass/Fail:		Fail										

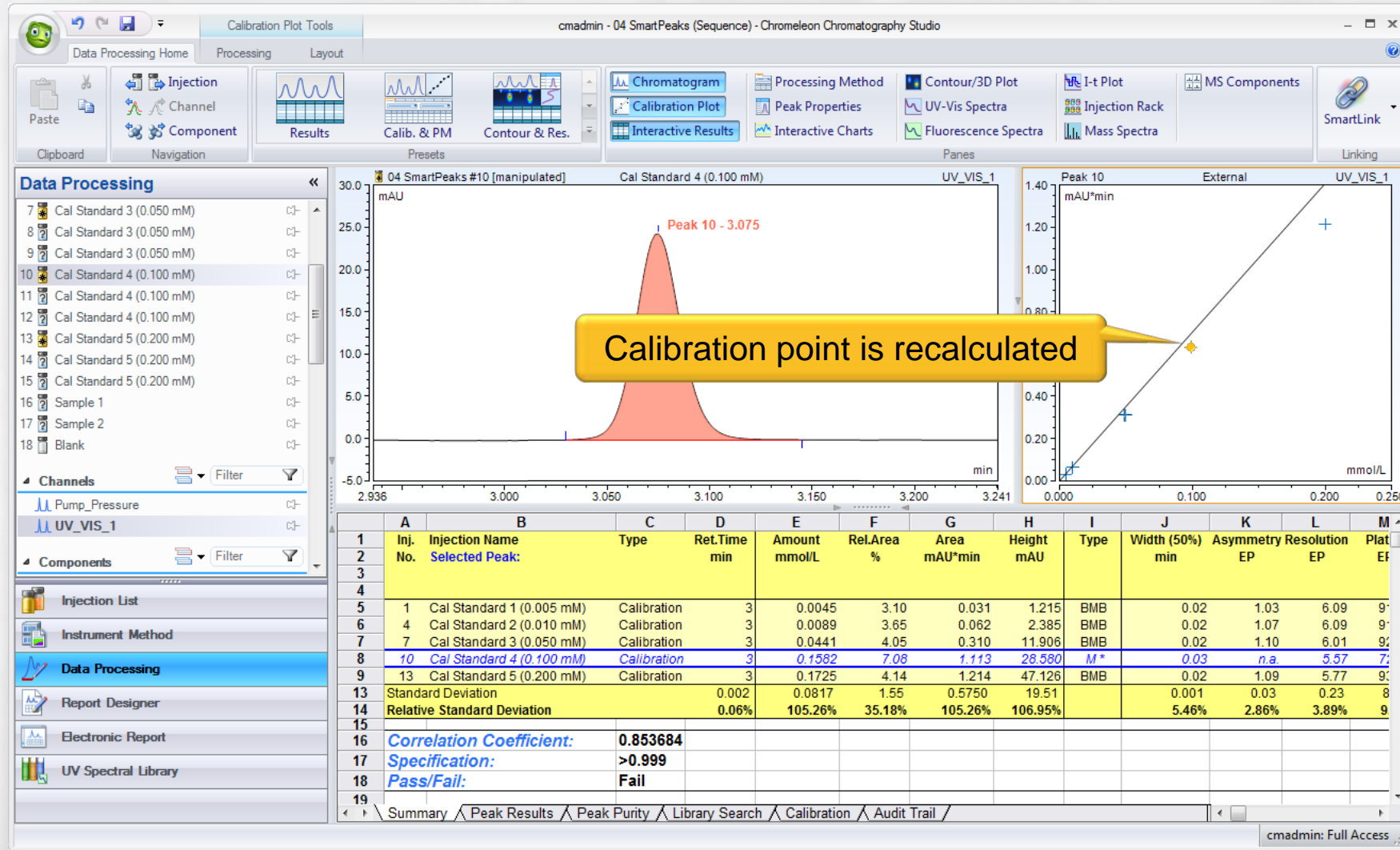
Simplifying Lab Workflows – Data Dynamic Linking and Updating – 2



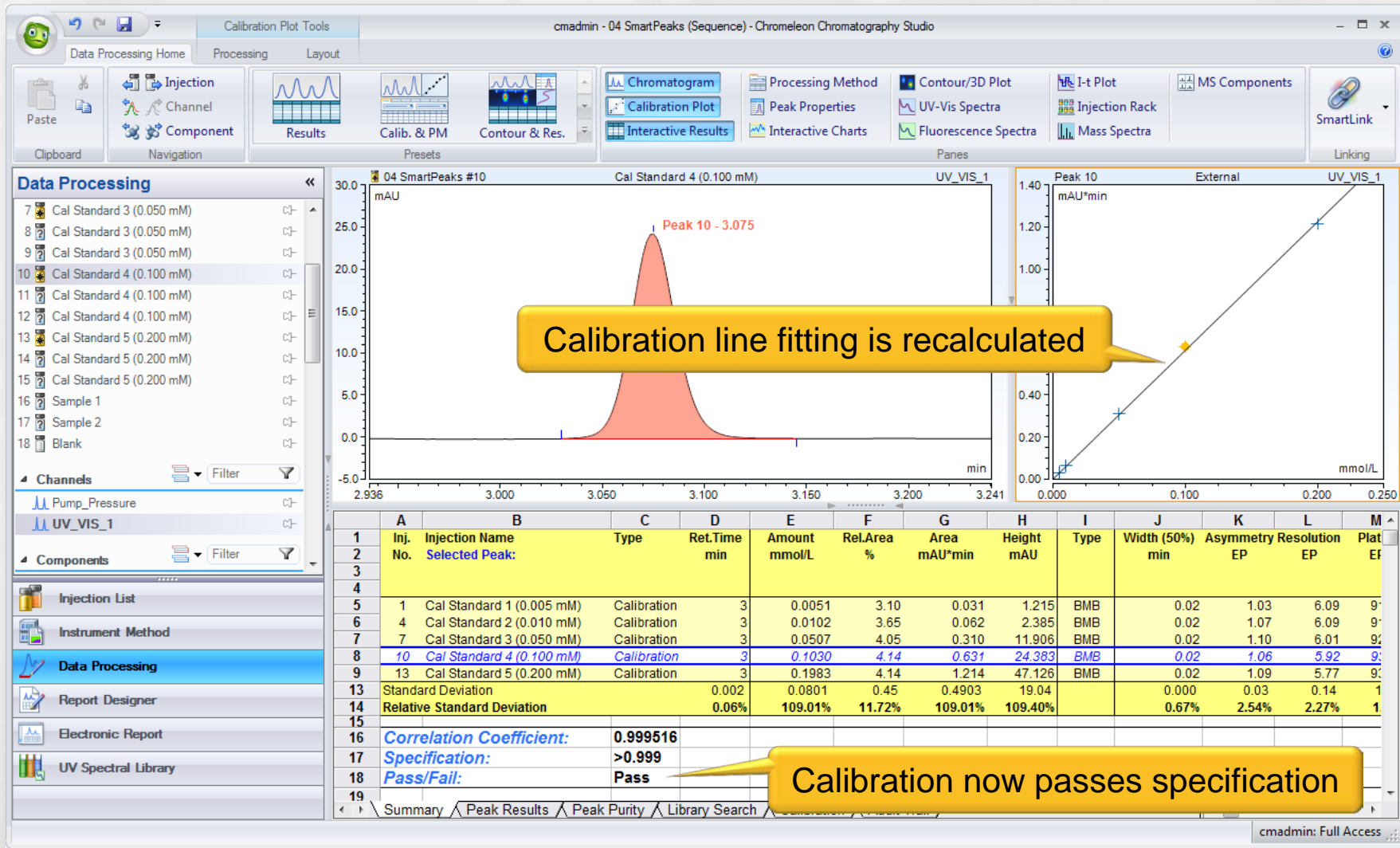
Simplifying Lab Workflows – Data Dynamic Linking and Updating – 3



Simplifying Lab Workflows – Data Dynamic Linking and Updating – 4

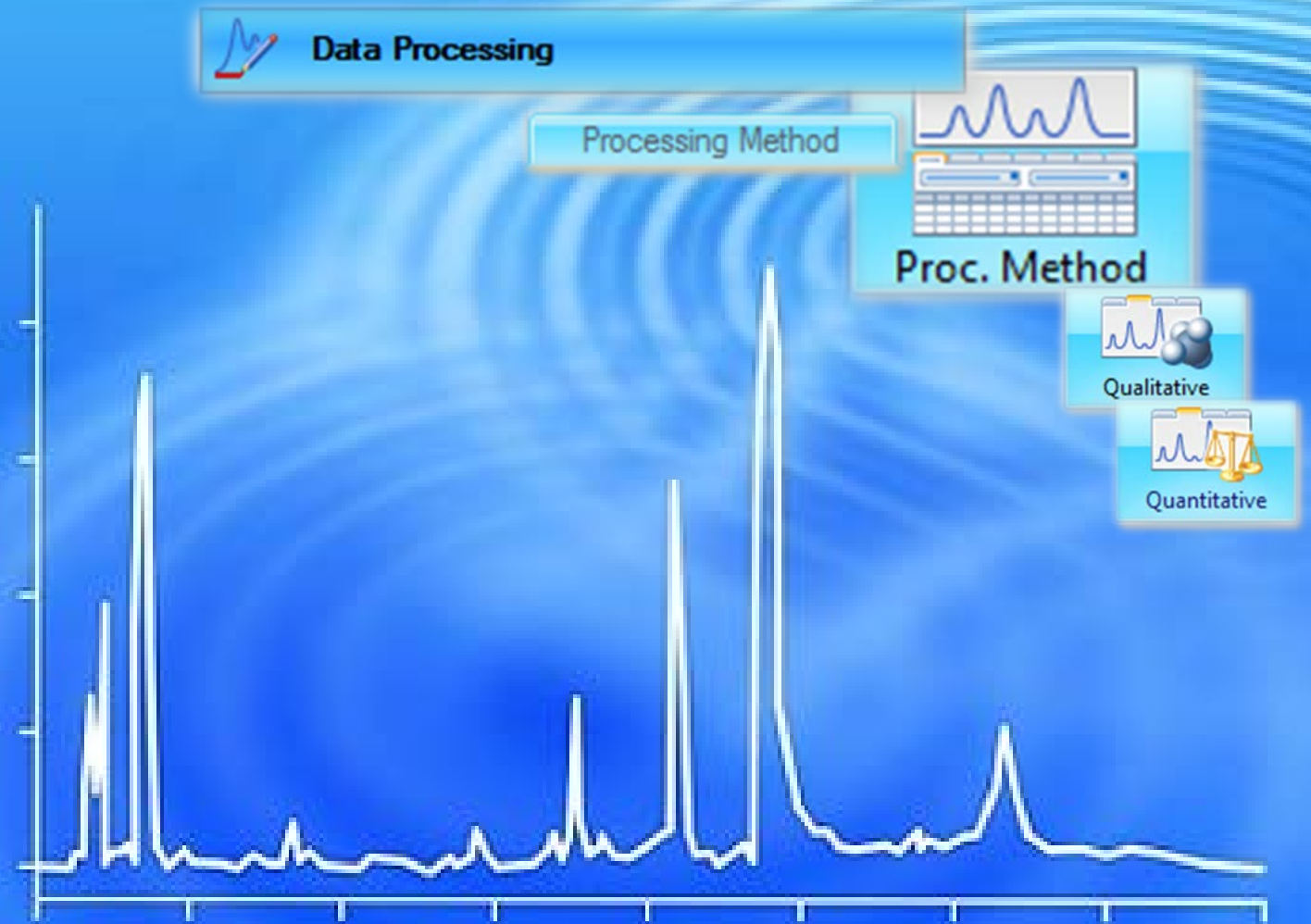


Simplifying Lab Workflows – Data Dynamic Linking and Updating – 5



Simplifying Lab Workflows – Integration

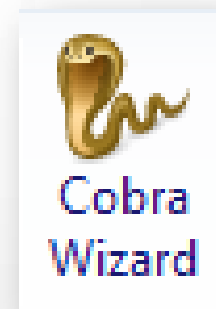
- ✓ Cobra™ peak detection algorithm detects true underlying baseline and integrates automatically
- ✓ Cobra wizard for assisted refinement of integration
- ✓ SmartPeaks™ Integration Assistant for consistent unresolved peak handling



Simplifying Lab Workflows – Integration

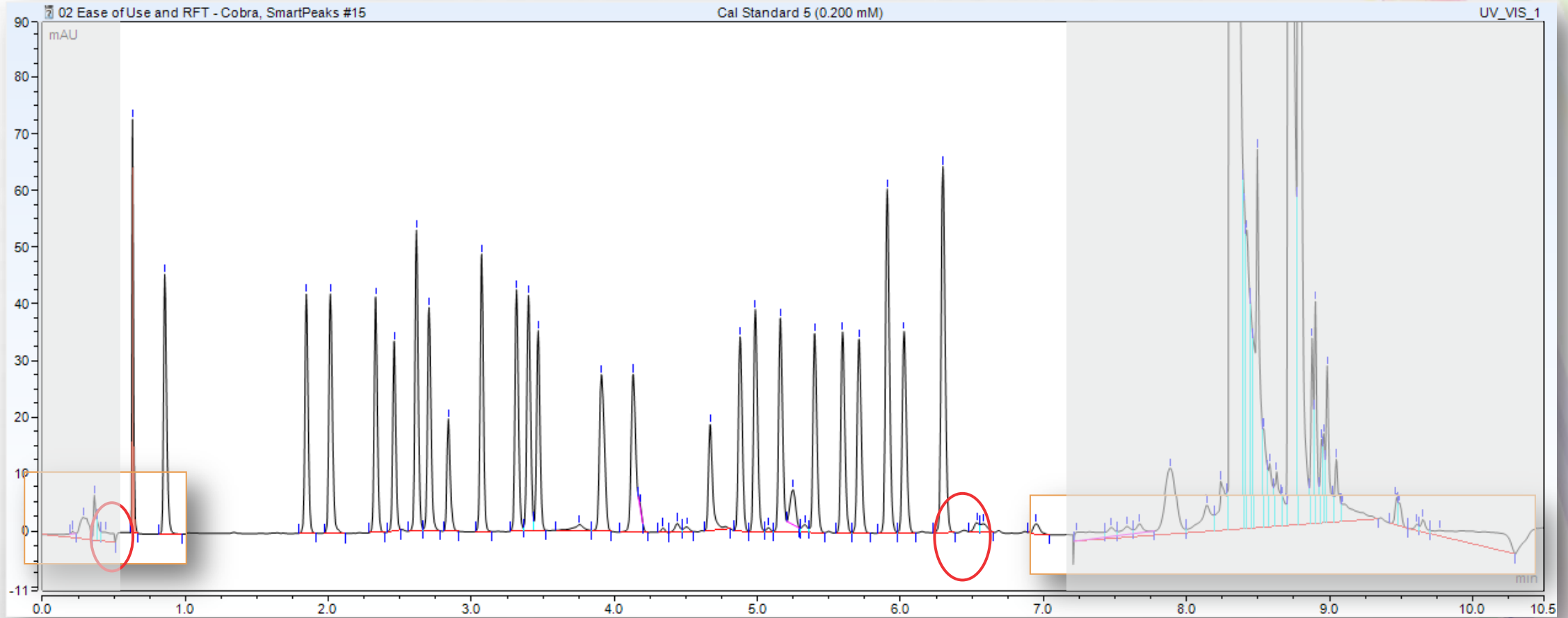
- Cobra is an algorithm that:
 - Finds peak start/end times accurately and consistently
 - Accurately determines “true” underlying baseline
 - Often requires no further parameters to reach integration goal

- Cobra Wizard provides:
 - Fast, guided way to determine initial detection parameters
 - Just 5 steps to achieve integration goal



Simplifying Lab Workflows – Integration

Parameter-less first pass Cobra integration

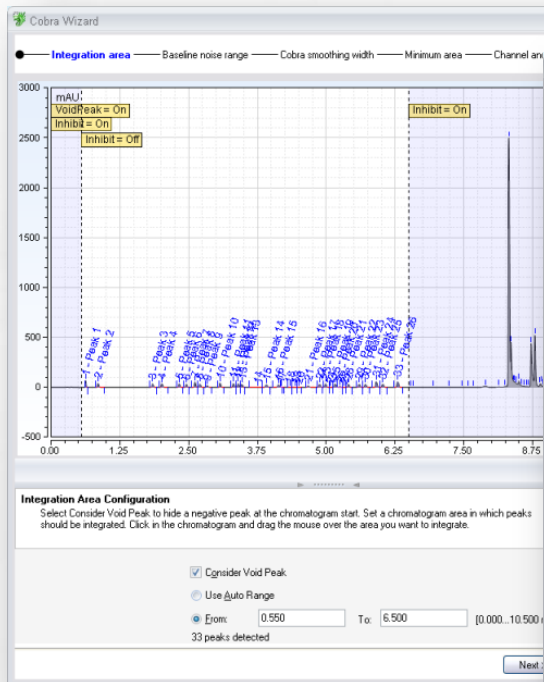


Simplifying Lab Workflows – Integration

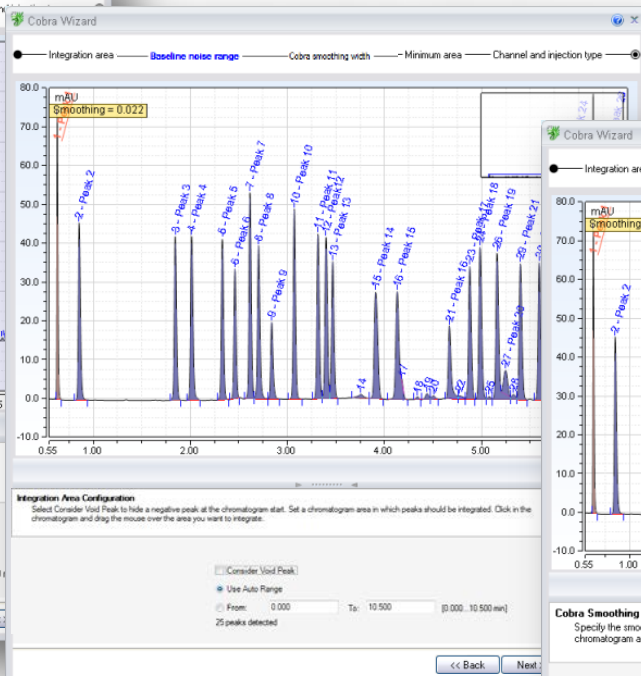


1. Start Cobra Wizard

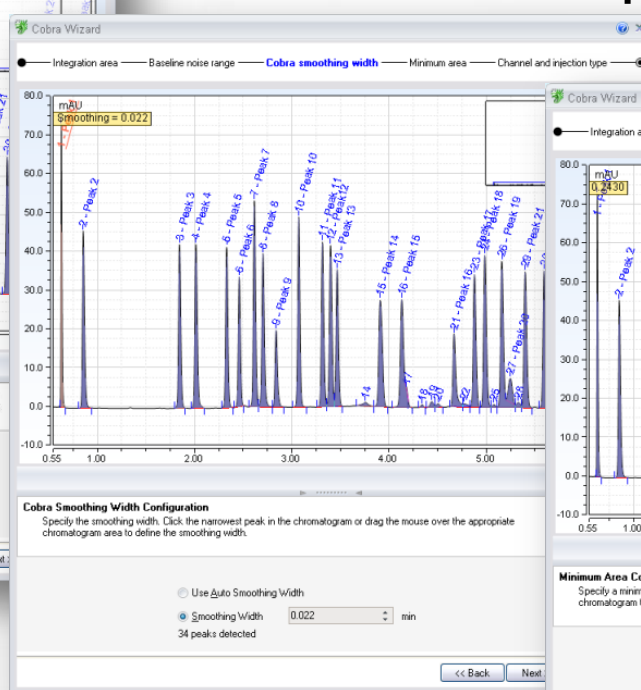
2. Define the integration range



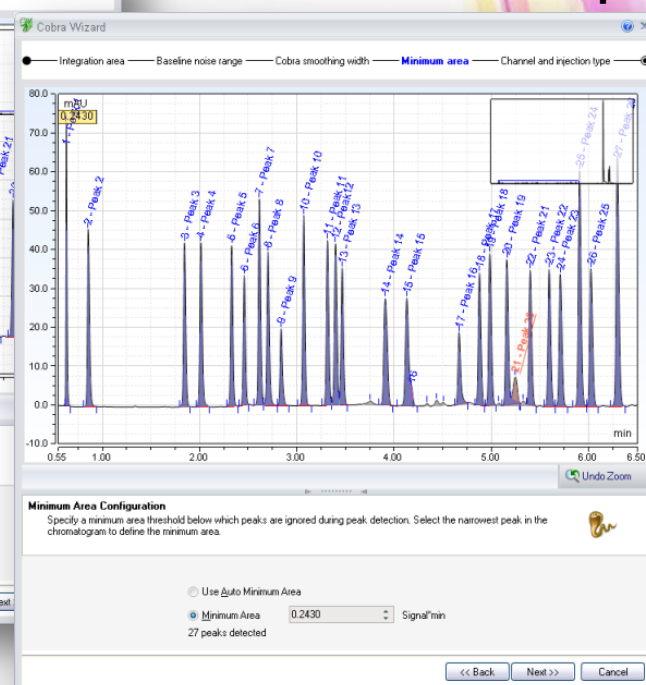
3. Set the baseline noise range



4. Select the narrowest peak



5. Select the smallest peak



Simplifying Lab Workflows – Integration

Detection Settings

Algorithm: Cobra [Run Cobra Wizard](#)

Baseline Noise Range

Auto Range

Start Time: 9.720 [min]

End Time: 9.980 [min]

Cobra Smoothing Width: 0.022 [min]

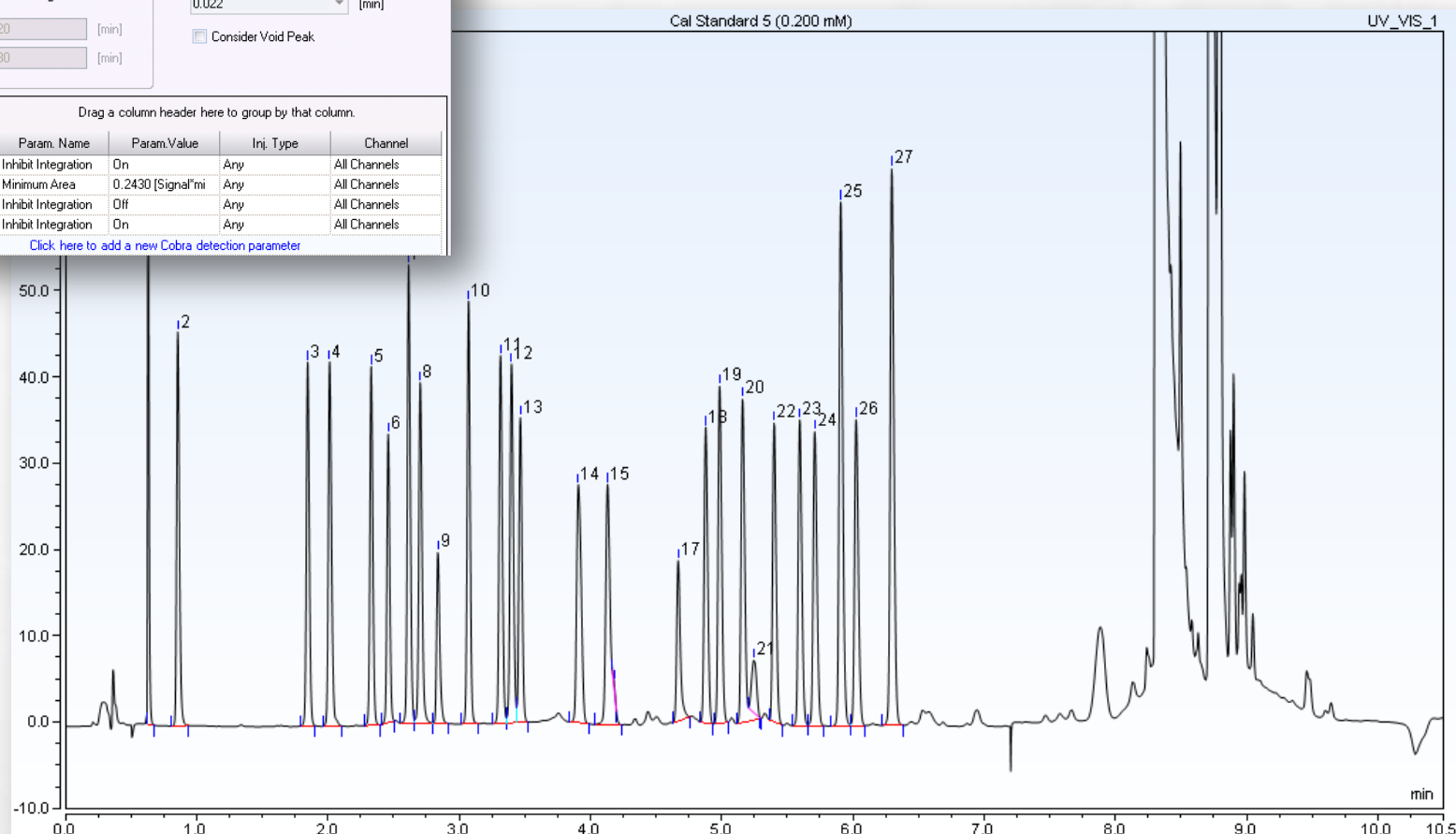
Consider Void Peak

Group Area Drag a column header here to group by that column.

#	Ret. Time	Param. Name	Param. Value	Inj. Type	Channel
1	0.000 [min]	Inhibit Integration	On	Any	All Channels
2	0.000 [min]	Minimum Area	0.2430 [Signal*mi]	Any	All Channels
3	0.550 [min]	Inhibit Integration	Off	Any	All Channels
4	6.500 [min]	Inhibit Integration	On	Any	All Channels

* [Click here to add a new Cobra detection parameter](#)

Parameters added to component table...

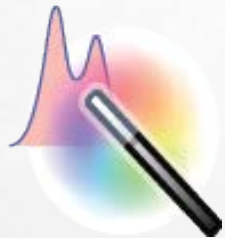


... and your integration could be done!

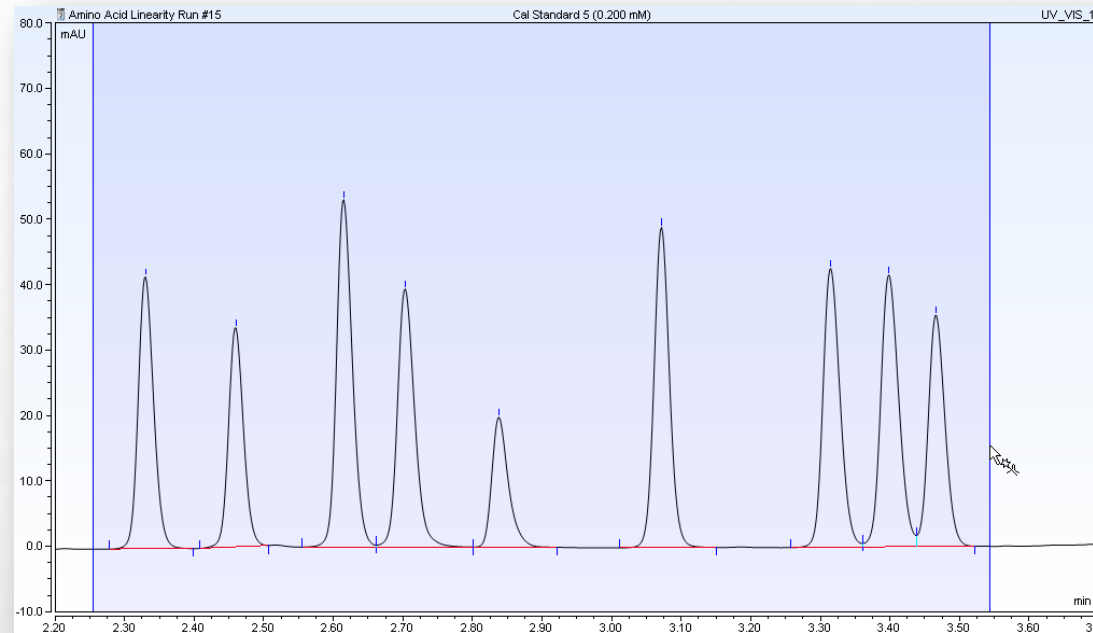
Simplifying Lab Workflows – Integration

- SmartPeaks – unique tool for easily reaching your integration goals for unresolved peaks
- Great example of Operational Simplicity
 - Process is clear and understandable – requires no training
 - Only a few steps
 - Correctly integrates all unresolved peaks in seconds

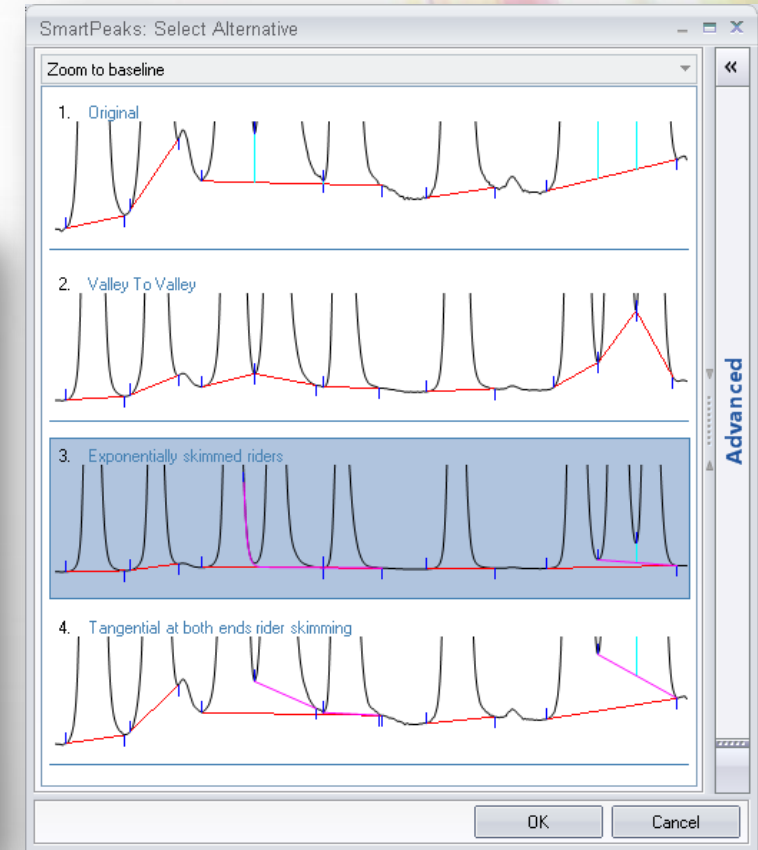
1. Activate SmartPeaks Wizard



2. Select Area of Interest



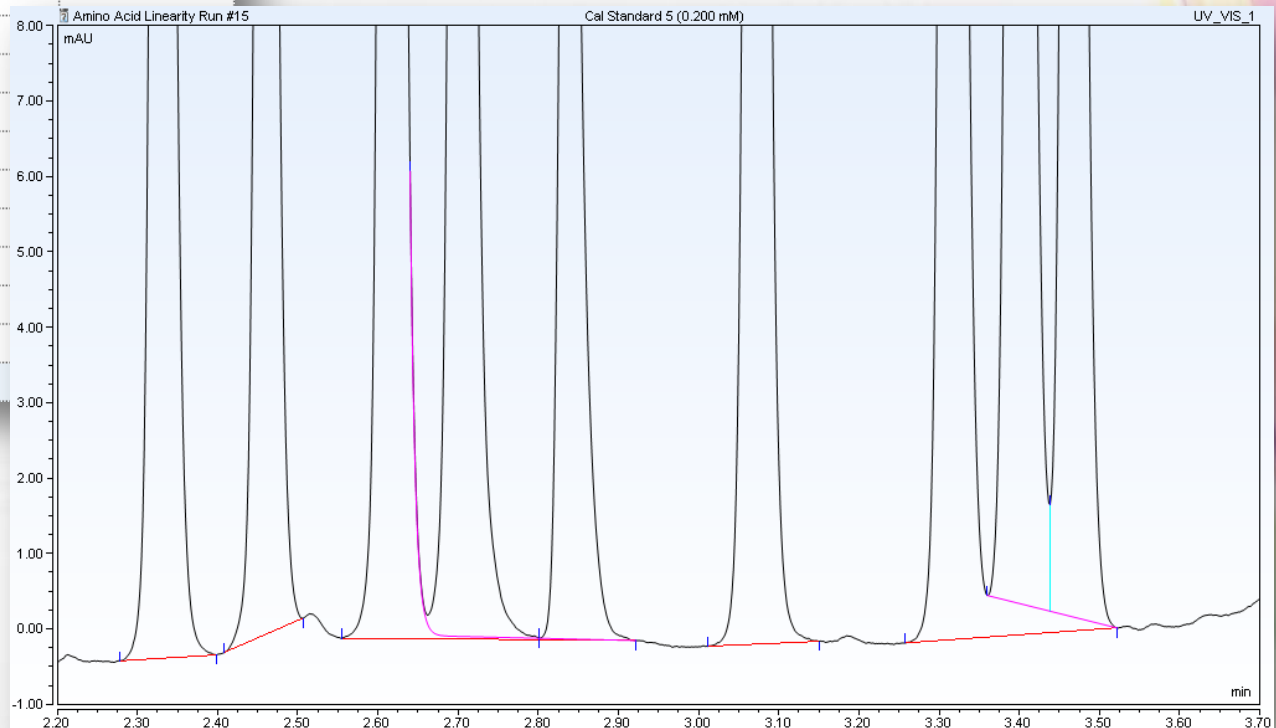
3. Select the Integration you Want



Simplifying Lab Workflows – Integration

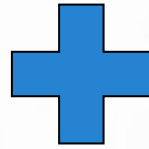
- Parameters added to component table
- Changes apply to ALL chromatograms in sequence

#	Ret.Time	Param. Name	Param.Value	Inj. Type	Channel
1	0.000 [min]	Inhibit Integration	On	Any	All Channels
2	0.000 [min]	Minimum Area	0.2430 [Signal*min]	Any	
3	0.505 [min]	Inhibit Integration	Off	Any	
4	3.200 [min]	Minimum Rider Ratio	0 [%]	Any	
5	3.200 [min]	Maximum Rider Ratio	100 [%]	Any	
6	3.200 [min]	Rider Skimming	Exponential	Any	
7	4.329 [min]	Minimum Rider Ratio	10 [%]	Any	
8	4.329 [min]	Maximum Rider Ratio	20 [%]	Any	
9	4.329 [min]	Rider Skimming	Tangential at both peak ends	Any	
10	6.714 [min]	Inhibit Integration	On	Any	
*	Click here to add a new Cobra detection parameter				



Your integration is done!

Simplifying Lab Workflows – Mass Spectrometry



- >20 years CDS experience
- Gold standard CDS
 - Scalable enterprise architecture
 - Unparalleled ease-of-use
 - Strong quantitation functionality
 - Comprehensive auditing and data management

- >30 years of MS experience
- Leading-edge MS portfolio
 - Complete, integrated MS systems
 - Highest sensitivity and selectivity
 - Confident identification, deep characterization and precise quantification
- Unrivalled MS application expertise

- ✓ Streamline chromatography and MS quantitation workflows in one software package
- ✓ Use MS like any other routine detector

Simplifying Lab Workflows – Mass Spectrometry

	Multi-Attribute Method		Conventional Release Methods					
	Pep Map-MS	SEC	CEX	rCE-SDS	nrCE-SDS	HILIC	ID-ELISA	HCP-ELISA
Antibody POA								
Aggregate Assessment	N	Y	Indirect	Y	Y	N	N	N
Deamidation (Isomerization) Assessment	Y	N	Indirect	N	N	N	N	N
Disulfide Isoform Assessment	maybe	N	Indirect	N	Y	N	N	N
Glycation Assessment	Y	N	N	Y	Y	N	N	N
High Mannose Assessment	Y	N	N	N	N	Y	N	N
Methionine Oxidation Assessment	Y	N	N	N	N	N	N	N
Signal Peptide Assessment	Y	N	N	N	N	N	N	N
Unusual Glycosylation Assessment	Y	N	Indirect	maybe	maybe	Y	N	N
CDR Tryptophan Degradation Assessment	Y	Indirect	N	N	N	N	N	N
Non-consensus Glycosylation Assessment	Y	N	N	maybe	maybe	N	N	N
N-terminal pyroGlutamate Assessment	Y	N	Indirect	N	N	N	N	N
C-terminal Lysine Assessment	Y	N	Y	N	N	N	N	N
Galactosylation Assessment	Y	N	N	N	N	Y	N	N
Dimer Assessment	N	Y	N	N	N	N	N	N
Fragmentation (peptide bond) Assessment	maybe	maybe	N	Y	Y	N	N	N
Disulfide Reduction (DS Fragmentation) Assessment	maybe	N	N	N	Y	N	N	N
Host Cell Protein Assessment	Y	N	N	N	N	N	N	Y
Mutations/Misincorporations Assessment	Y	N	N	N	N	N	N	N
Hydroxylysine Assessment	Y	N	N	N	N	N	N	N
Thioether Assessment	Y	N	N	N	N	N	N	N
Trisulfide Assessment	maybe	N	N	N	N	N	N	N
Non-glycosylated Heavy Chain	Y	N	N	N	N	N	N	N
DNA Assessment	no	N	N	N	N	N	N	N
Cysteine Adducts Assessment	maybe	N	maybe	N	N	N	N	N
C-terminal Amidation Assessment	Y	N	Indirect	N	N	N	N	N
CDR Conformers (HIC Isoform) Assessment	no	N	Indirect	N	N	N	N	N
O-linked glycans Assessment	maybe	N	N	N	N	N	N	N
Fucosylation Assessment	Y	N	N	N	N	N	N	N
Residual Protein A	Y	N	N	N	N	N	N	N
Identity	Y	N	Y	N	N	N	Y	N

Chromeleon CDS simplifies your lab workflows!

- ✓ eWorkflows deliver operational simplicity, reproducibility, and easy method distribution
- ✓ Parameter-free integration with instant reporting gives ease of use saving time and effort
- ✓ Unique integration of MS can reduce number of tests, simplify workflows and give faster return on investment





**Boosting Lab
Productivity**



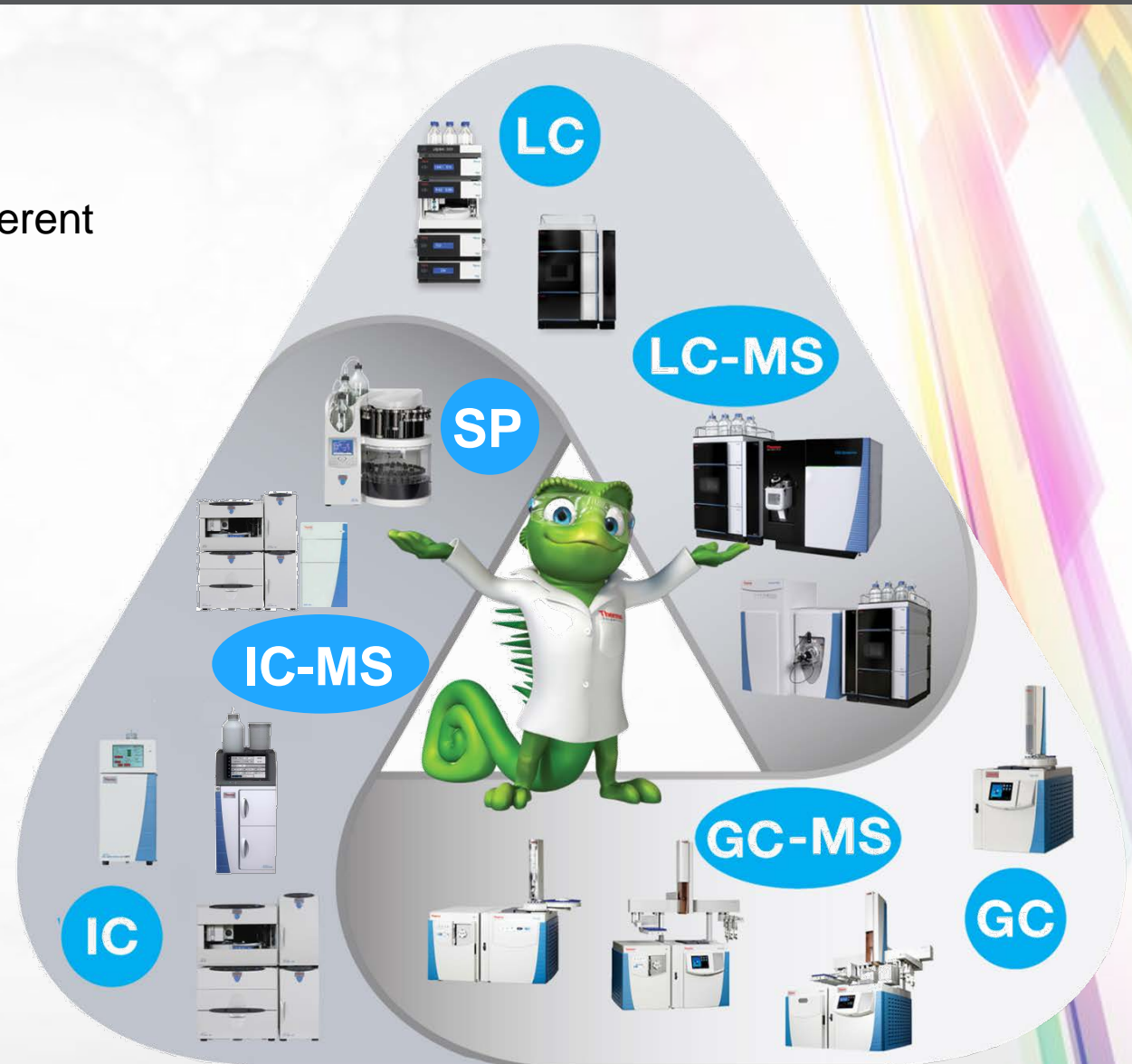
**Simplifying Lab
Workflows**



Reducing Costs

Reducing Costs – Single Software Platform

- One software platform for the whole lab
- Control over 450 different modules from 17 different manufacturers including:
 - Thermo Scientific (LC, IC, GC, MS, Sample Prep)
 - Agilent (LC, GC)
 - Waters (LC)
 - Shimadzu (LC, GC)
 - Varian (LC, GC)
 - Perkin Elmer (LC, GC)
 - Gilson (LC)
 - CTC PAL (Sample Prep)
- ✓ Reduced training
- ✓ Reduced administration
- ✓ Reduced infrastructure



Reducing Costs – Simplified Administration and Scalability

Chromeleon Domain

Domain Controller

Visibility across Regions to injection level



Region 1 - EU

Data Vault

ChromeleonLocal

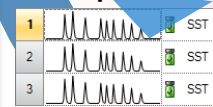


Folders Projects

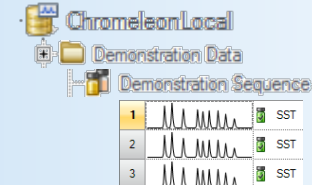
Sequences

Microsoft® SQL Server®
or Oracle®

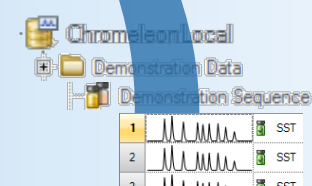
Samples/Injections



Region 2 - US



Region 3 - AP

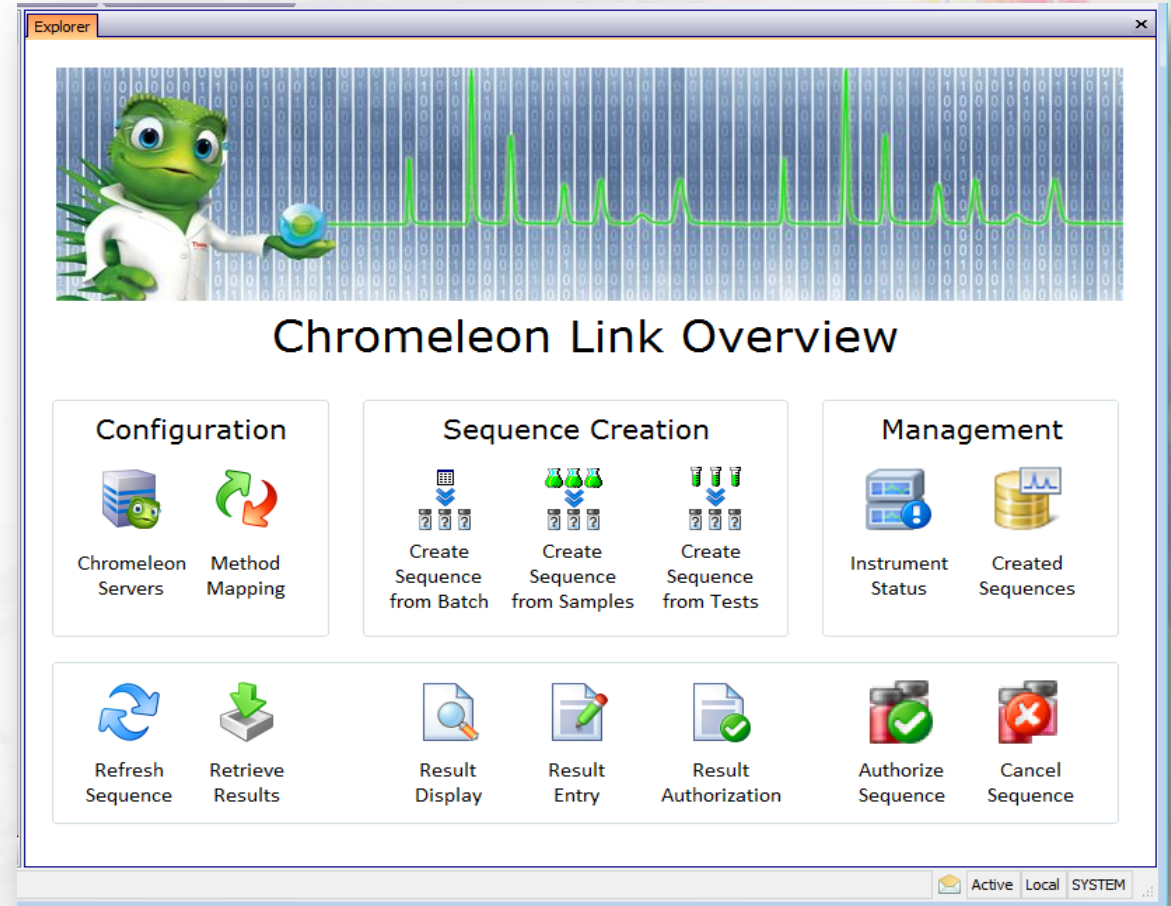


Reducing Costs – Seamless Data Flow

Chromeleon CDS to Thermo Scientific™ SampleManager™ LIMS Software link

This link gives users ability to:

- See real time information like instrument status & queue in LIMS
- Select samples in LIMS & use eWorkflows to create sequence
- Pull LIMS samples into existing sequence from Chromeleon CDS
- Show Chromeleon CDS results directly in LIMS



Reducing Costs – Seamless Data Flow

Thermo Scientific™ DataManager™ Software provides secure, future-proofed data archival and management.

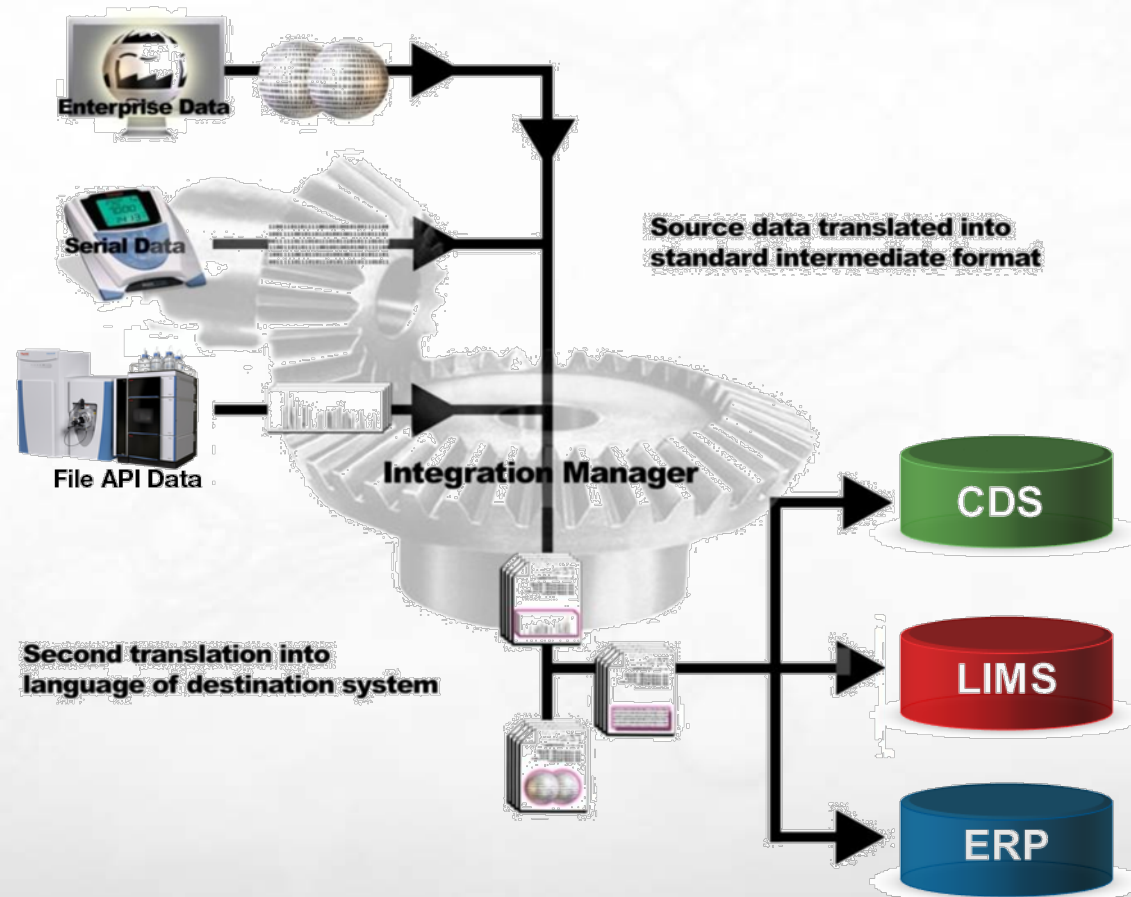
XML Conversion

Data Management

Seamless Data Access

Reducing Costs – Leverage Existing Infrastructure

Thermo Scientific™ Integration Manager provides bi-directional interfaces between Chromeleon CDS and existing business systems, e.g., LIMS, SAP, etc.



Chromeleon CDS lowers your cost of ownership!

- ✓ Single software platform reduces admin, training and infrastructure costs
- ✓ Leverage existing infrastructure
- ✓ Unique integration to informatics products and existing software systems can deliver seamless data flows saving time and cost



Streamline Your Laboratory

Maximize Your Lab Productivity



Up to 30% efficiency gain

Save 5–60 min per sequence using smart processing tools

Get more “right-the-first-time” analyses with intelligent functionality

Network-independent data acquisition for 24/7 uptime

Simplify Your Lab Workflows



Faster, simpler workflows

Roll out methods faster with Chromeleon eWorkflows™

Simplify method development with parameter-less integration

Faster results with instant reporting

Reduced number of tests with MS

Lower Your Cost of Ownership



Scalable deployment with easy maintenance

Single software for all instruments reduces training and admin

Leverage existing IT infrastructure

Simplified administration

Link to existing software systems for seamless data flow

Thermo Scientific™ Dionex™ Chromeleon™ Chromatography Data System (CDS) Software

For more information about Chromeleon 7.2 CDS or to request a Demo CD, visit:

[*thermoscientific.com/Chromeleon*](http://thermoscientific.com/Chromeleon)

Like Charlie Chromeleon on Facebook to follow his travels and get important updates on chromatography software!



[*facebook.com/CharlieLovesChromatography*](https://facebook.com/CharlieLovesChromatography)

Thank You

Now, please join me in the Chromeleon CDS section of our booth and I will address any further comments and questions.

