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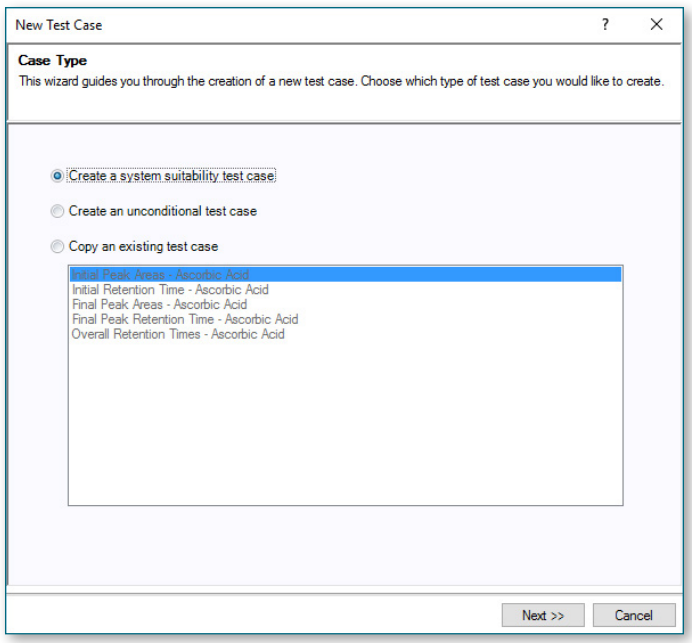
More ‘right first-time’ analyses

Thermo Scientific Chromeleon 7 Chromatography Data System

The Intelligent Run Control (IRC) feature in Thermo Scientific™ Chromeleon™ 7 Chromatography Data System (CDS) gives you complete control over your running sequence, giving you more ‘right the first time’ analyses. It is included as a standard feature requiring no extra licenses.

Actions can be defined conditionally or unconditionally to be performed at the end of each injection with a simple wizard to guide the user through setting up these conditional System Suitability Tests (SST) or unconditional cases. Existing test cases can be used as templates saving time and effort.



Wizard to create test cases.

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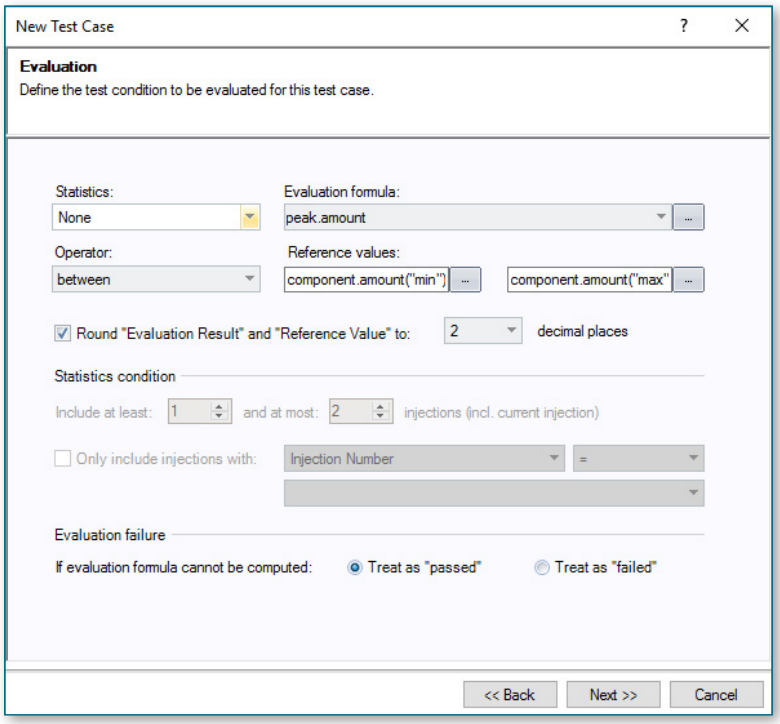
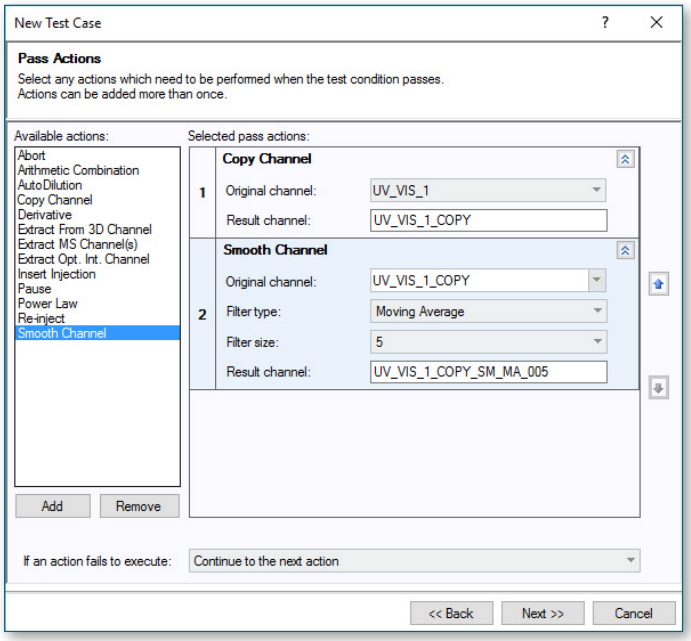
For conditional SST cases, any variable can be monitored, including calculated amounts, allowing the user to perform specification checks during the run and react accordingly. The reference values themselves can be either fixed numbers or variables giving ultimate flexibility to create test cases.

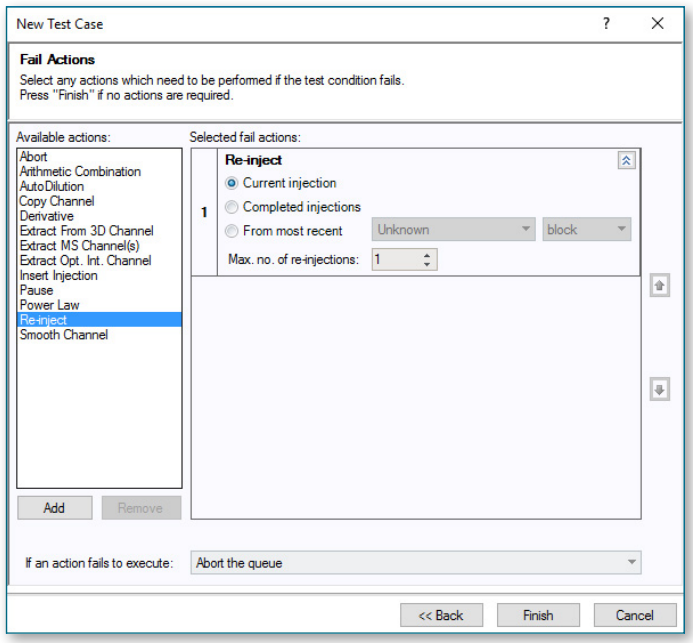


Any variable including calculated amounts can be used for evaluation of the condition.

Different actions can be defined for passes and failures of the specified test. For example, if my test passes, I want to create a smoothed copy of my chromatogram, but if it fails, I want to re-inject the last Injection. An intuitive dialog allows the user to select, define, and re-order separate Pass and Fail Actions.

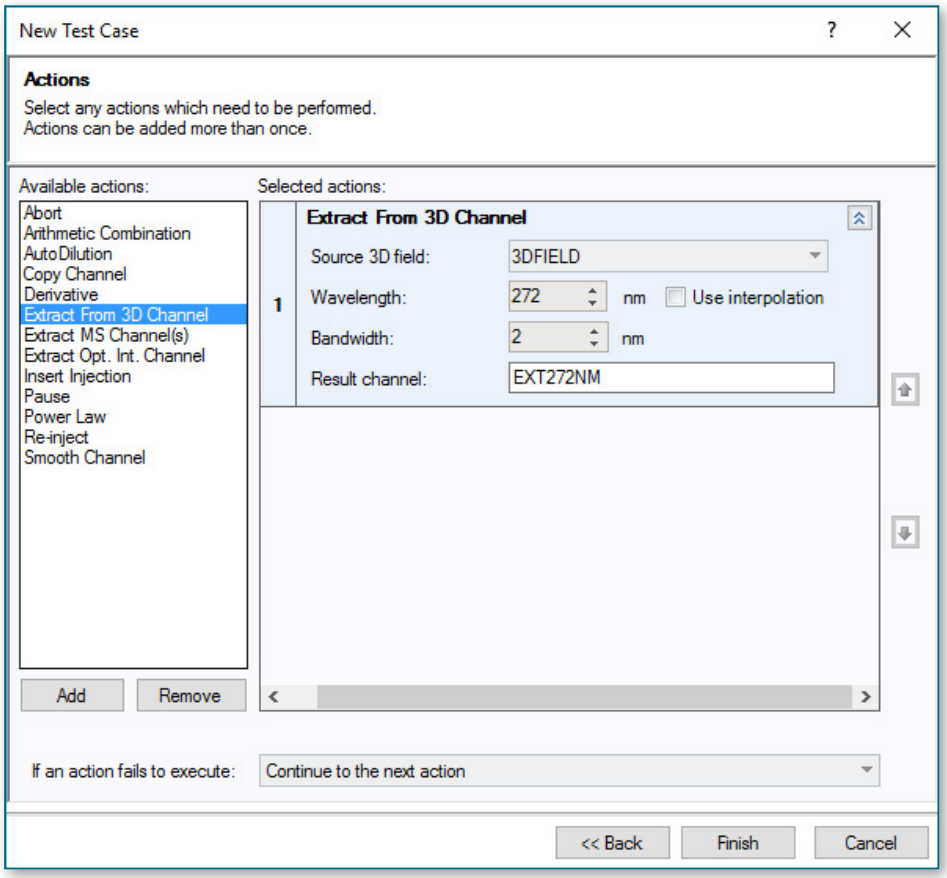


Dialog to define Pass Actions.



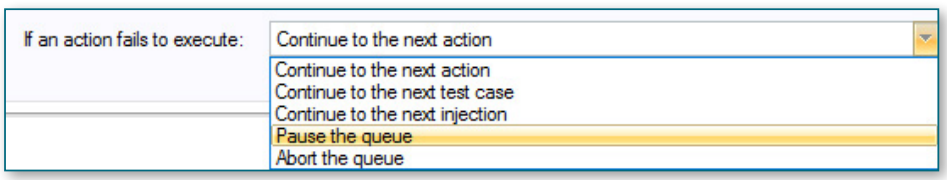
Dialog to define Fail Actions.

Unconditional cases can be similarly defined without any prior conditional requirements (a pass result is assumed) allowing automatic actions to occur at the end of selected Injections, such as automatically extract a specific wavelength from the UV 3D field or pause the Queue.



Unconditional actions can also be set. Built-in error handling ensures continued operation.

Built-in error handling ensures continued operation for both conditional and unconditional test cases should one of the actions fail to execute. The options are to continue to the next action for this test case, the next test case for this injection, the next injection, or pause or abort the running queue.



Built-in error handling continuously ensures correct operation.

Find out more at **thermofisher.com/chromeleon**

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