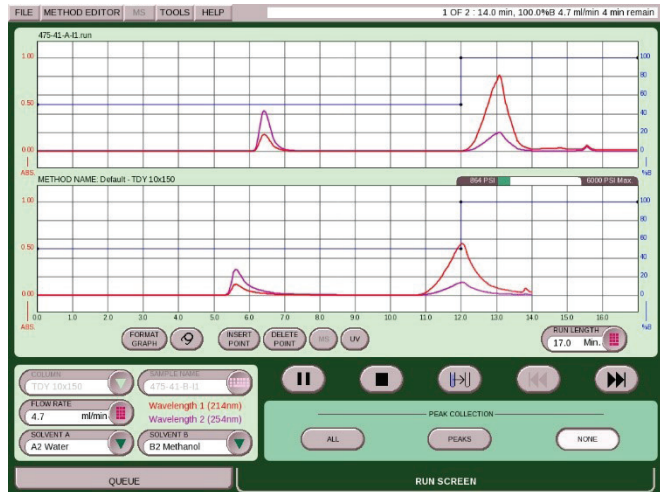


A method shorter than the reference truncates the reference so that the times match.

The alignment in time will always hold so that the elution time of peaks is easily observed. The reference chromatogram display ignores any gradients, so it is possible to observe the changes in chromatography as the gradient conditions are changed in the running method using the Scouting Pause feature.



Comparison of a reference mixture on a column; the reference chromatogram was run when the column was first installed. The change in retention time for the compound eluting near 6 minutes and change in peak shape indicates that this column is due for replacement.

Conclusion

Reference chromatograms are useful to compare old data with a chromatogram as it is running. Uses include knowledge of when a peak should elute when running a sample again, determination of column wear, comparison of chromatography due to changes in the method, and comparisons of samples.

The reference chromatogram does not block the current run, as would happen if the file were simply opened. The time scale is matched for easy comparison, and both chromatograms are zoomed together if details of a peak need to be observed.

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