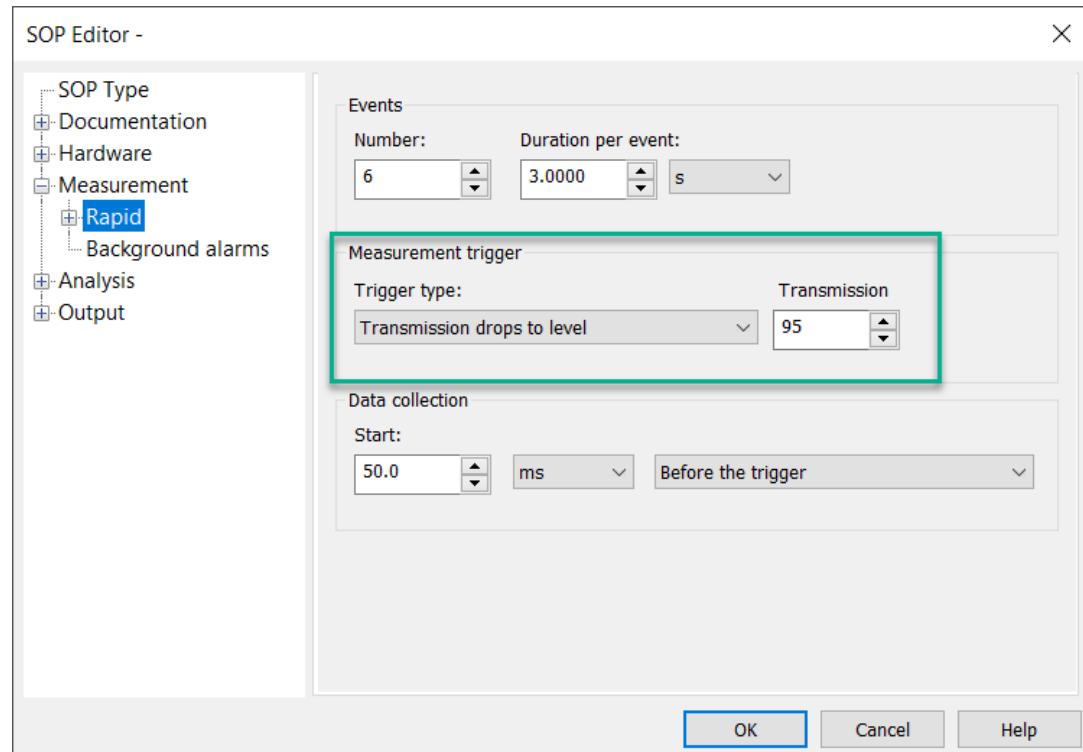
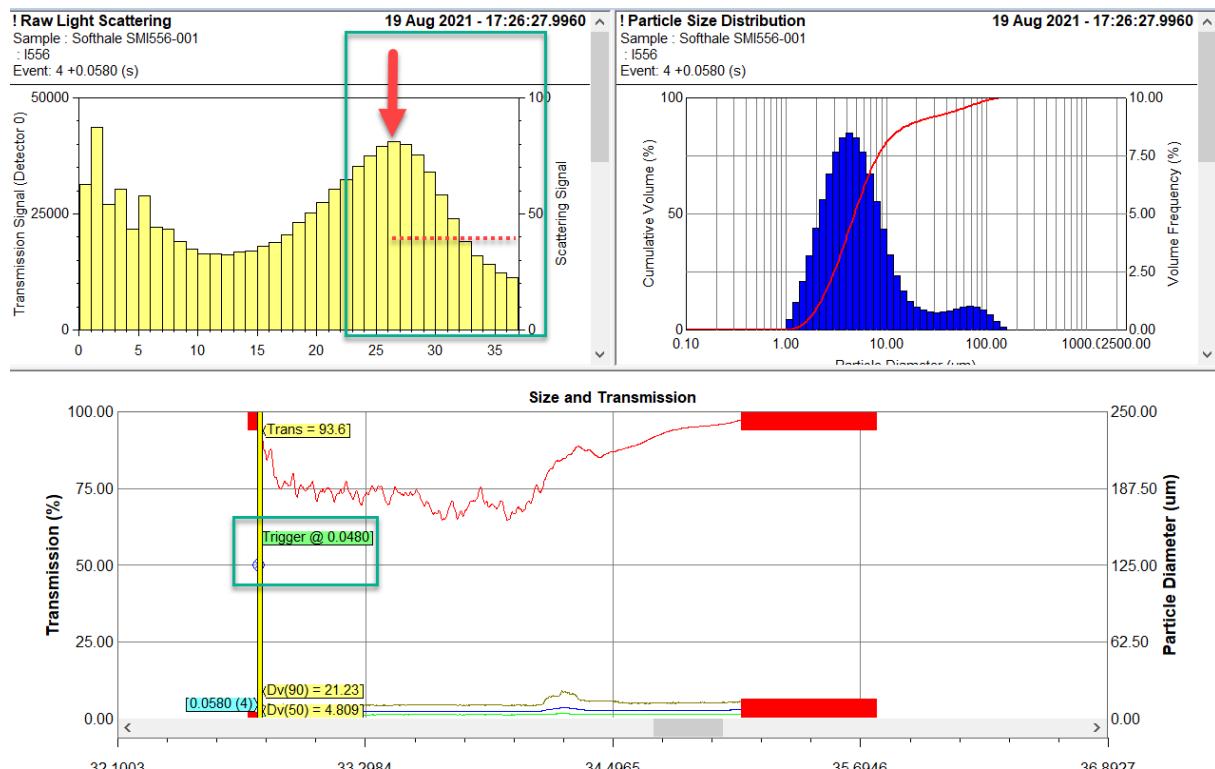


## **Set trigger dilute spray**

The spray will be passing through the laser and scattering some light, however the measurement is not triggering. This is because the spray is actually quite dilute and the transmission of the laser is not dropping to the level specified for the measurement trigger – set in this part of the SOP below:



If a measurement does not trigger with a transmission trigger of 95%, we recommend using a scattering trigger instead, as this is much more robust when working with dilute sprays. To find out what scattering trigger you need to use, first make a measurement with a transmission trigger set over 95% (you can go up to 99%) so that you can trigger the measurement and collect some scattering data. Then refer to the raw scattering data and find the detector that has the highest scattering signal at the trigger point.



You can then set the scattering trigger to work for that detector when a signal of about half the level seen in the data is reached.

