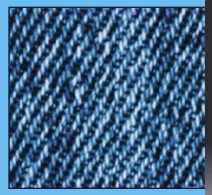
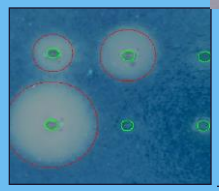
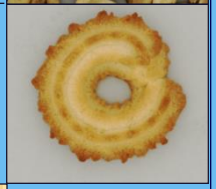
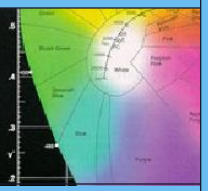
Tobacco measured using VideometerLab

Videometer A/S

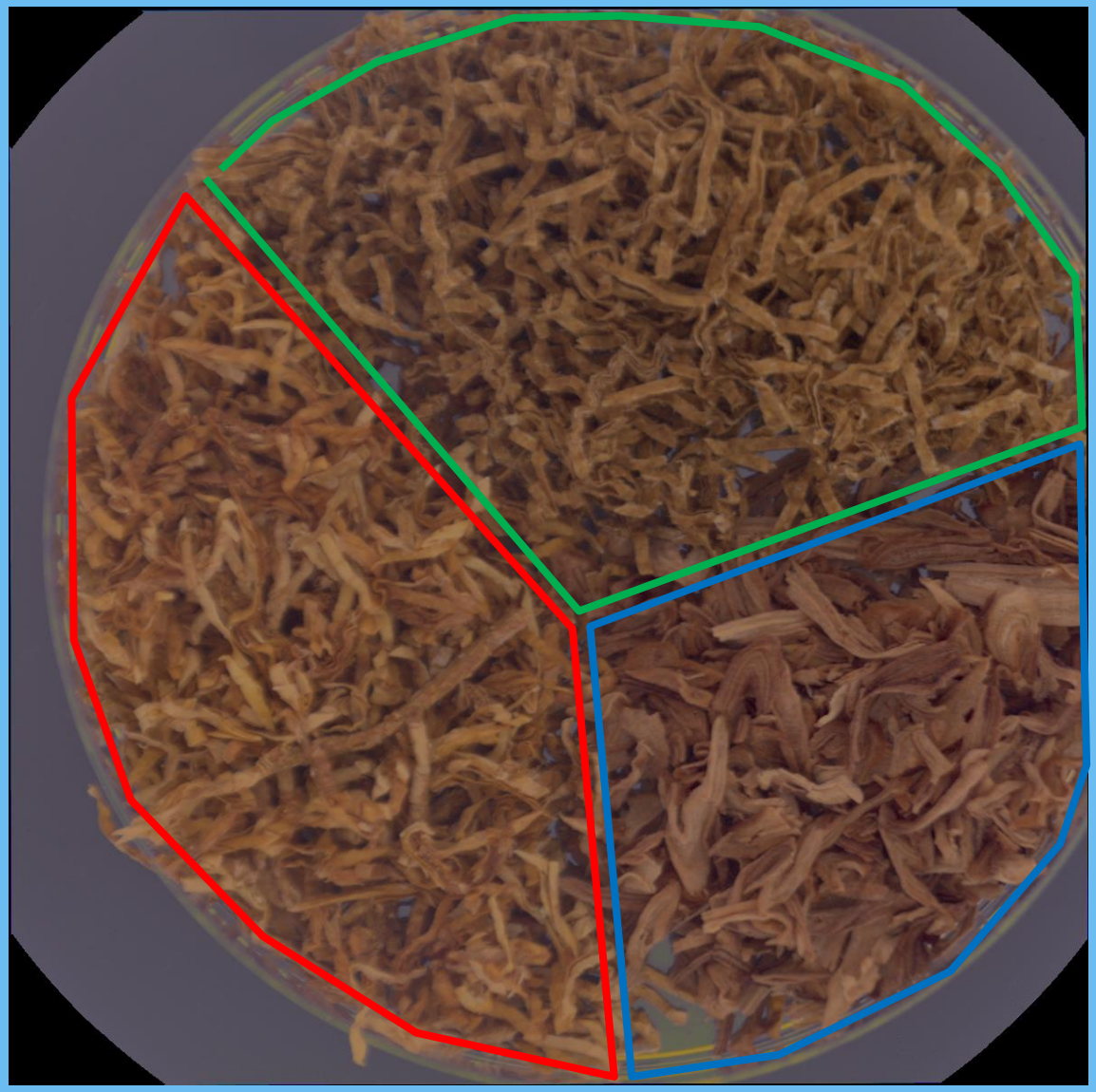








Tobacco samples

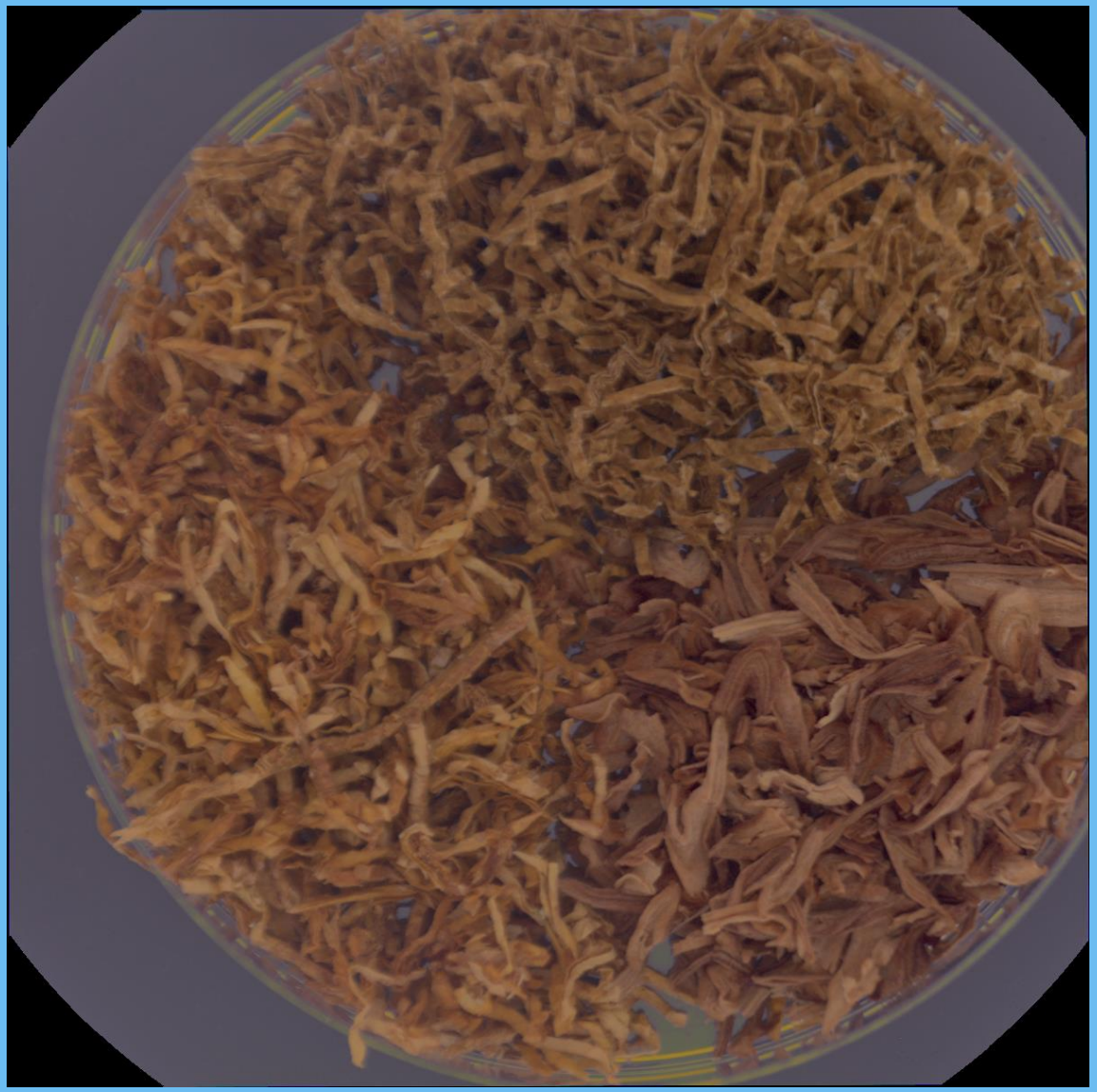


1. cut tobacco leaves

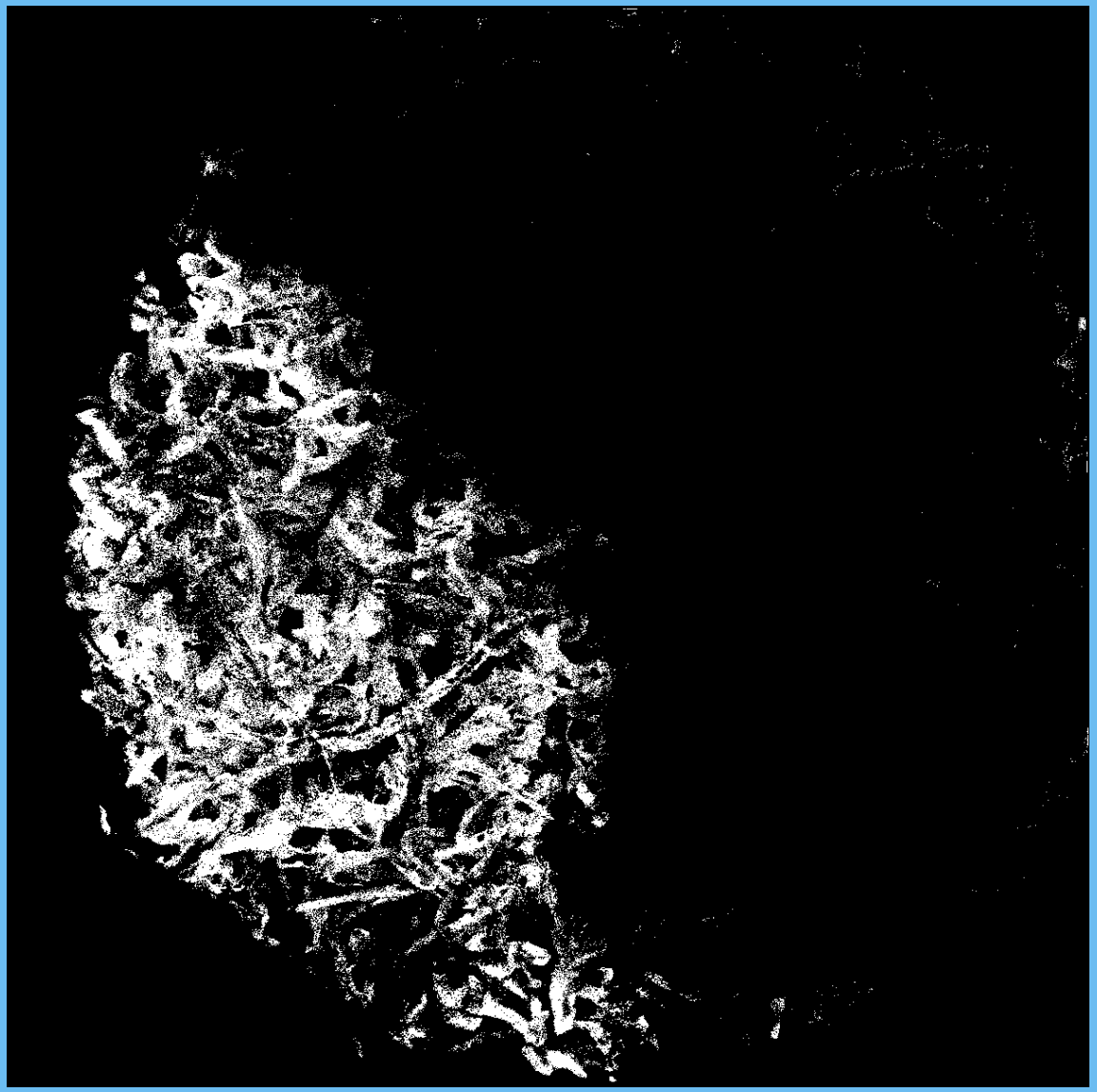
2. tobacco stalks

3. tobacco flakes

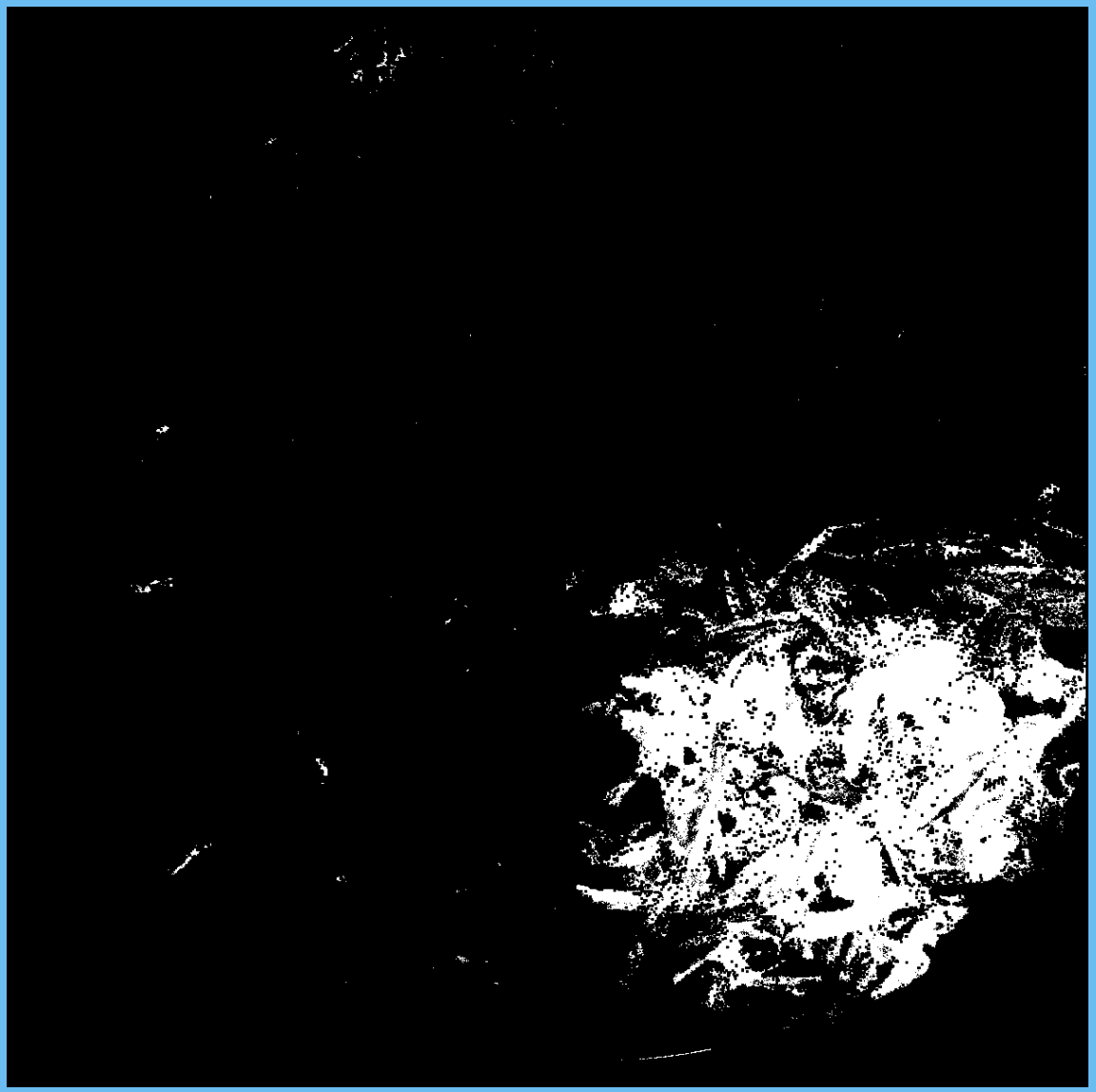
Tobacco samples (RGB)



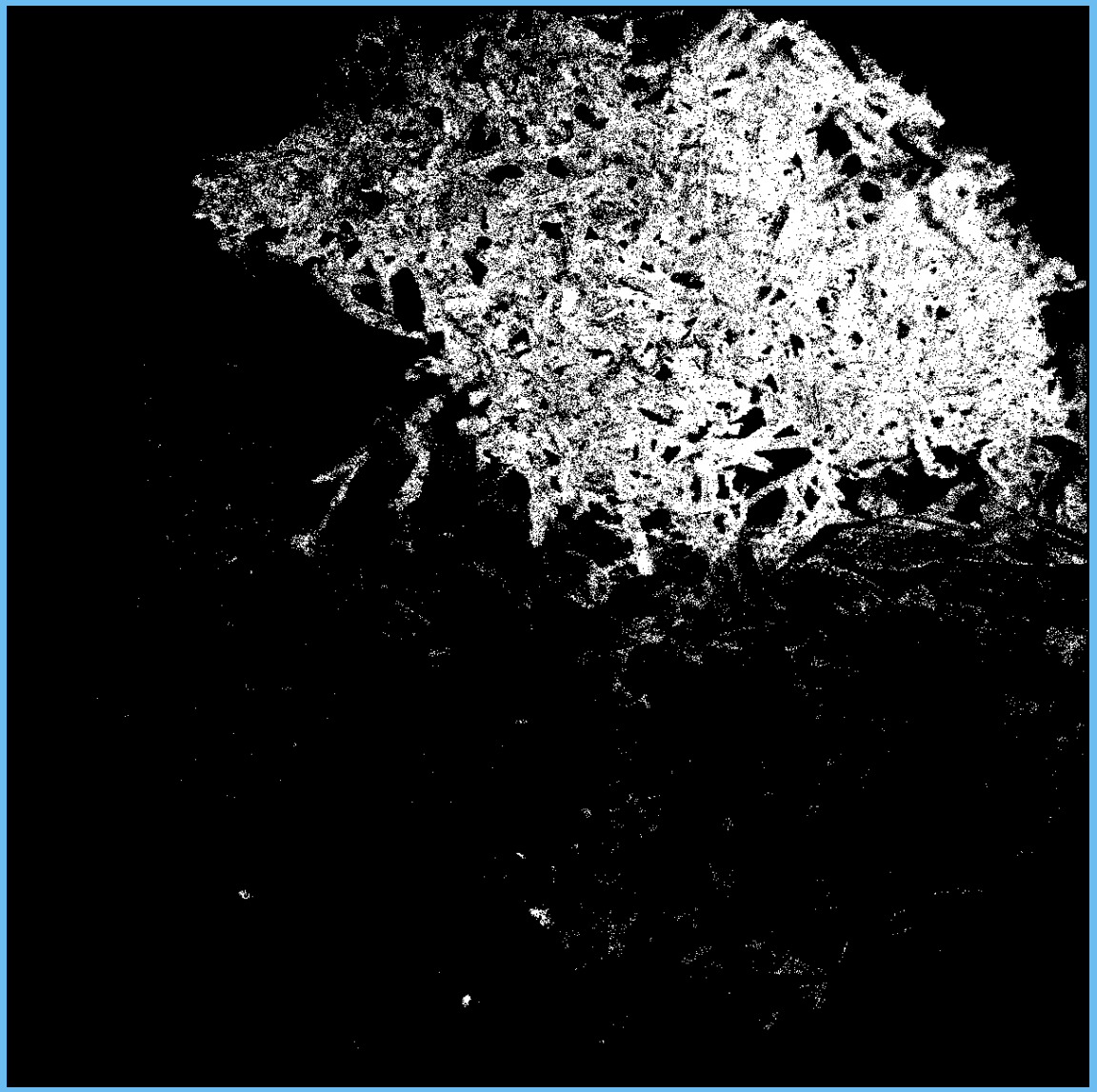
Spectral detection of type 1



Spectral detection of type 2

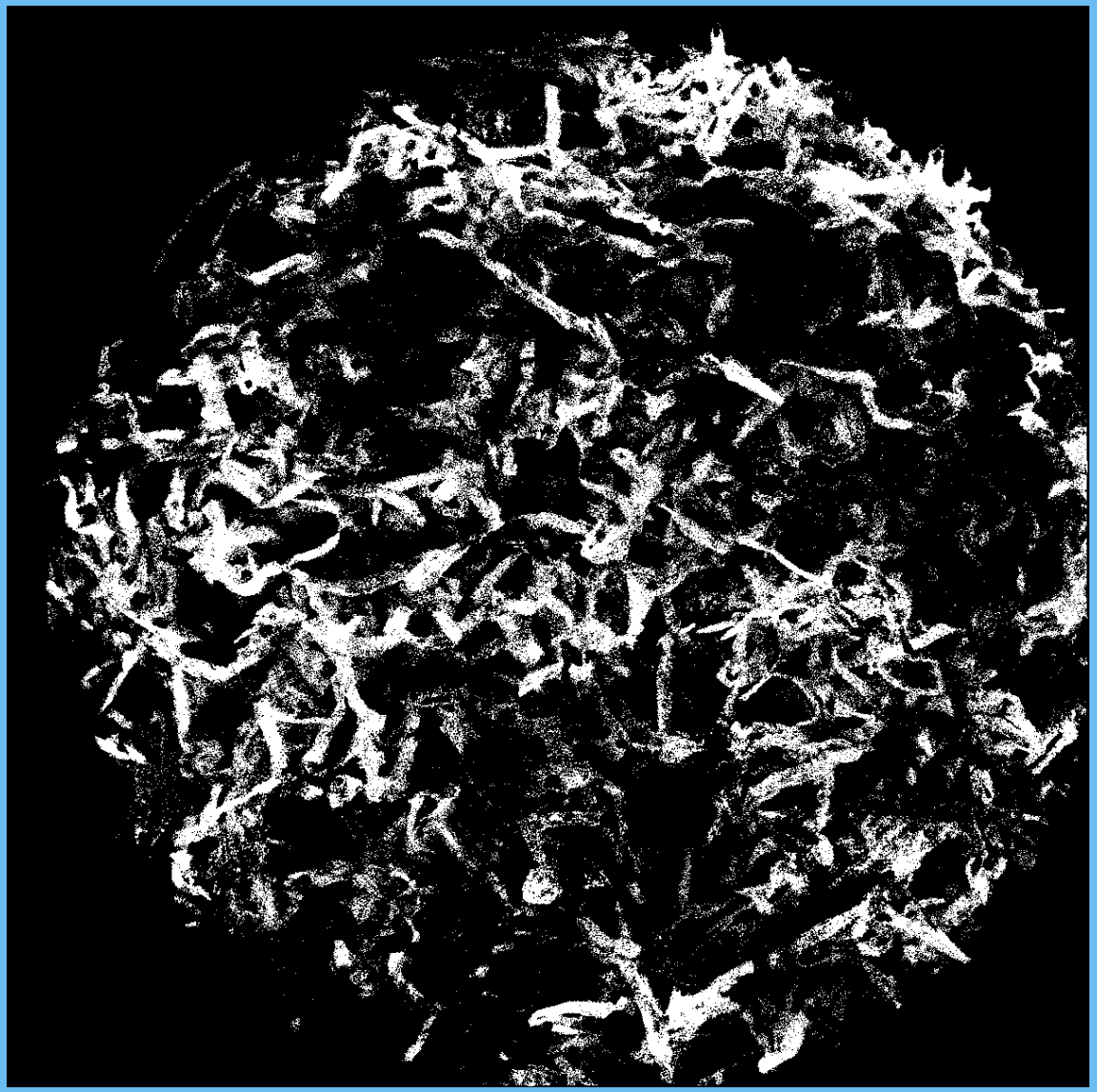


Spectral detection of type 3



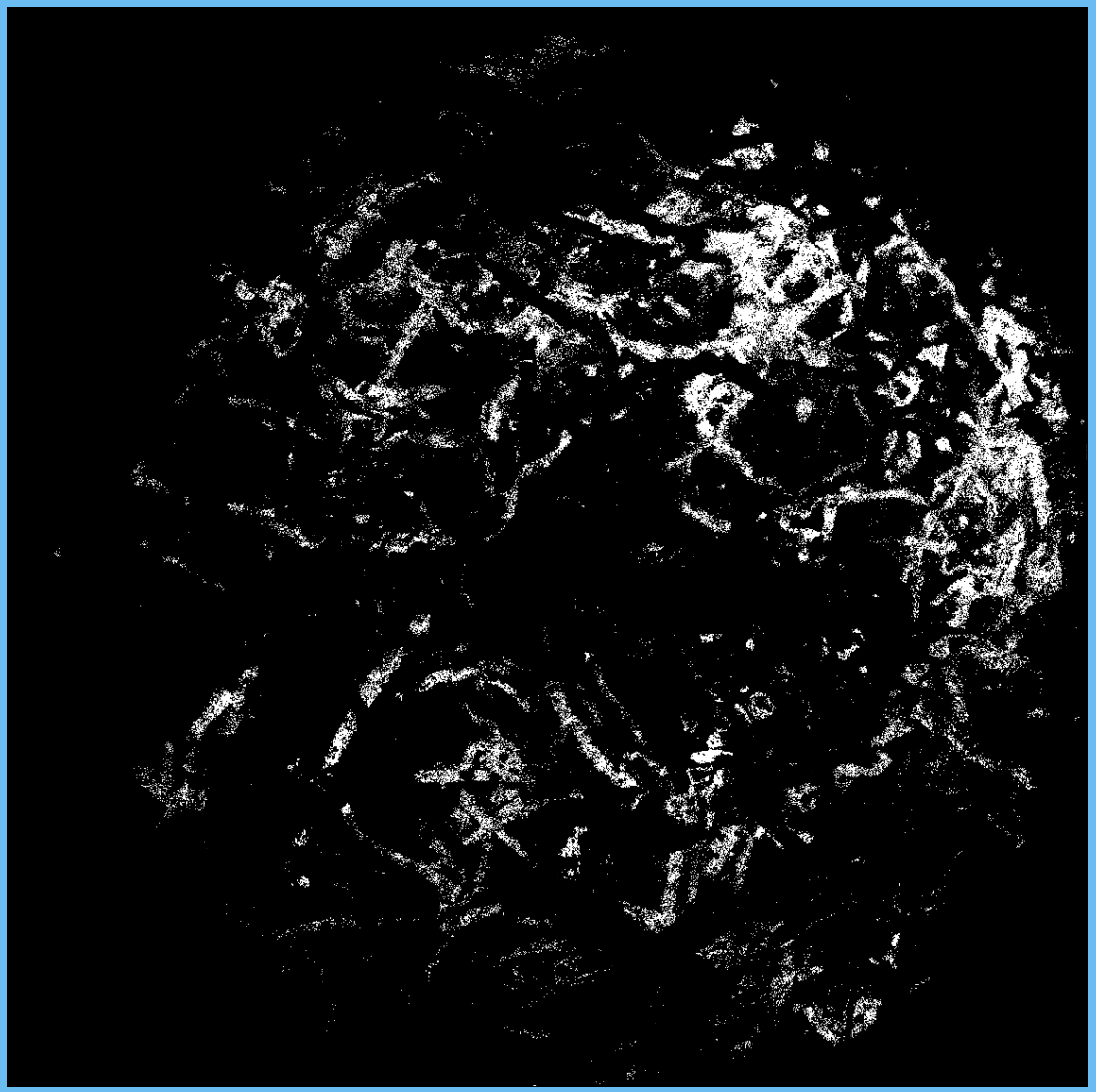
Mixed sample 1

Spectral detection of type 1



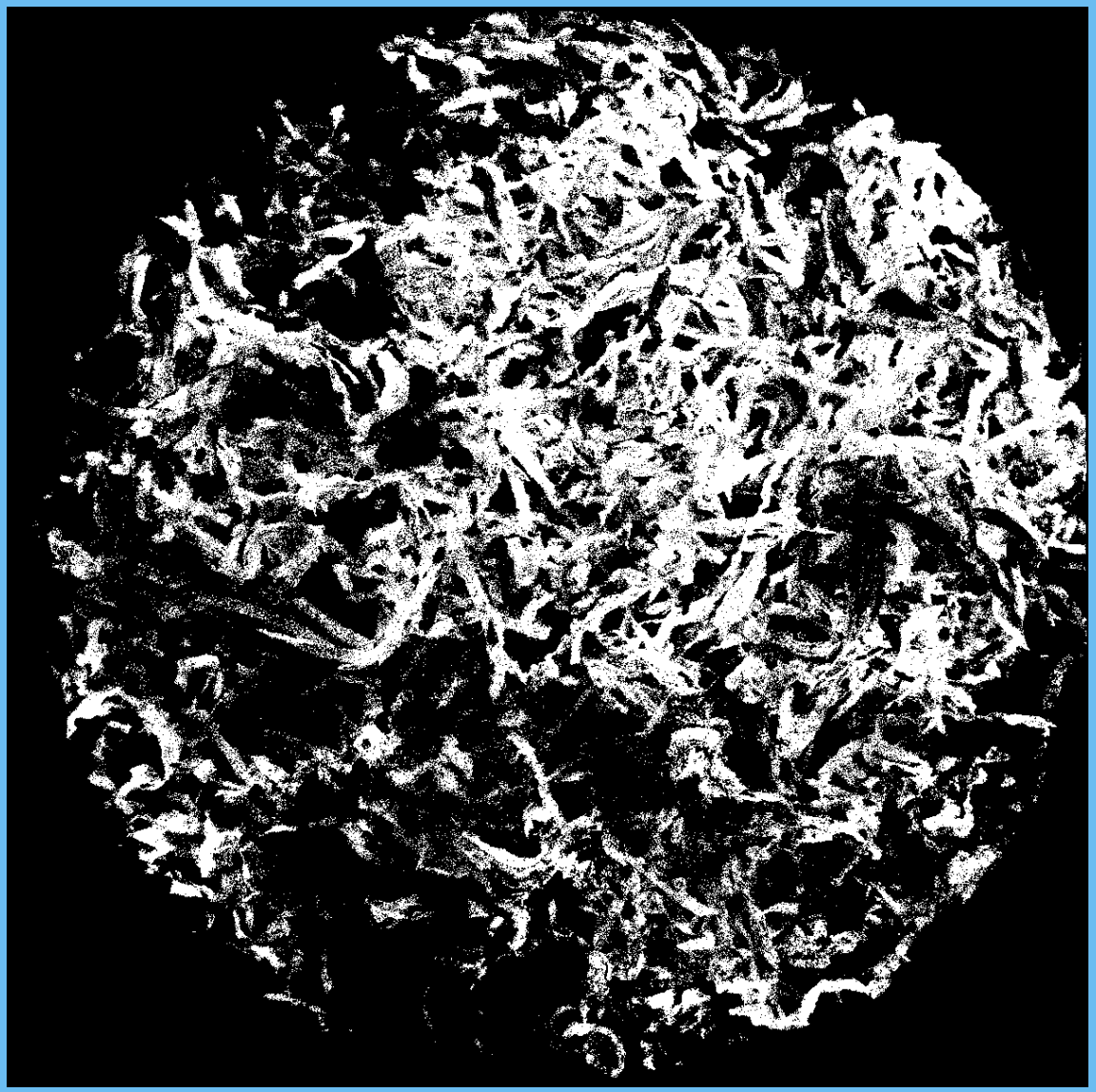
Spectral detection of type 2

Spectral detection of type 3

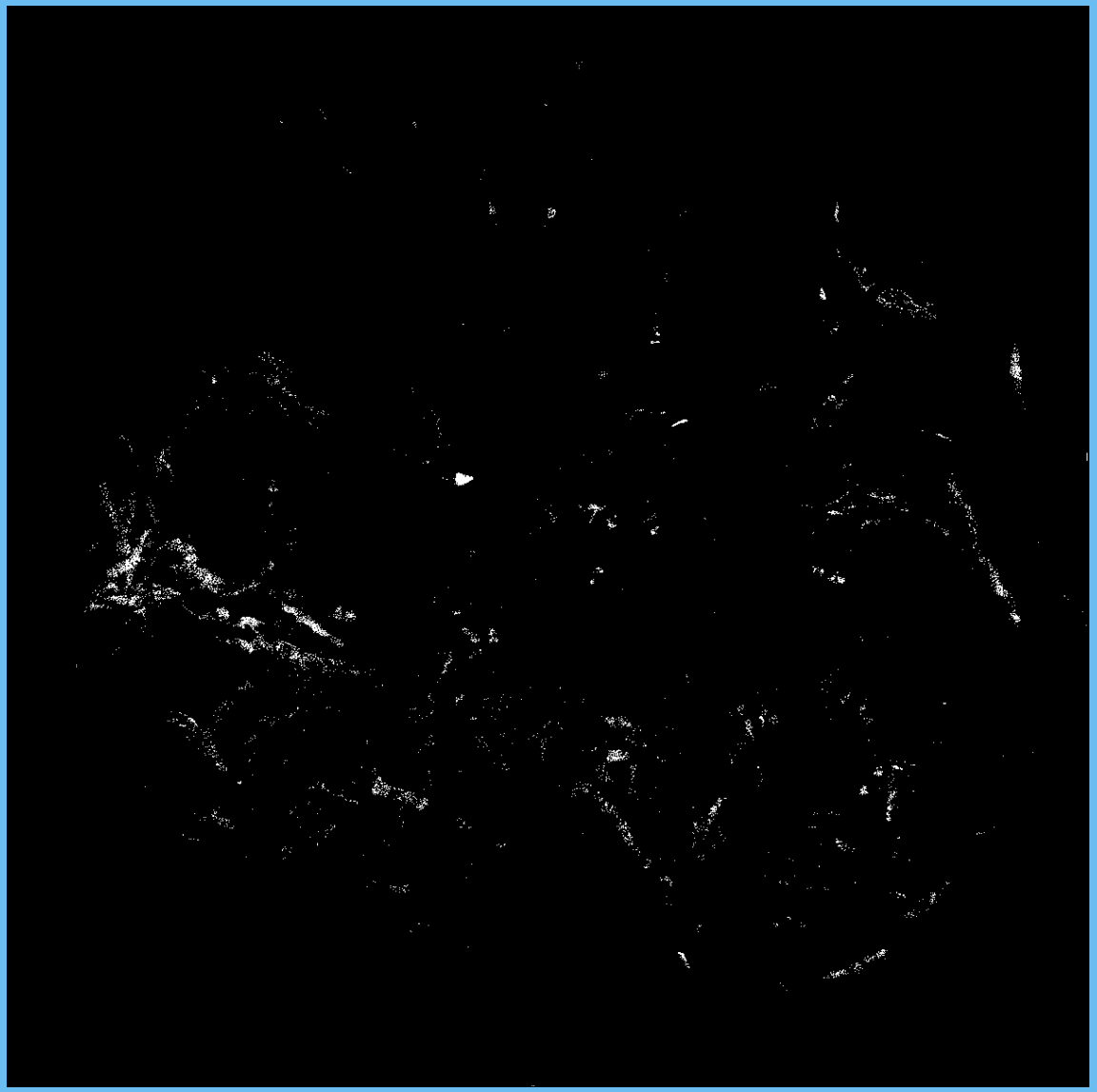


Mixed sample 2

Spectral detection of type 1



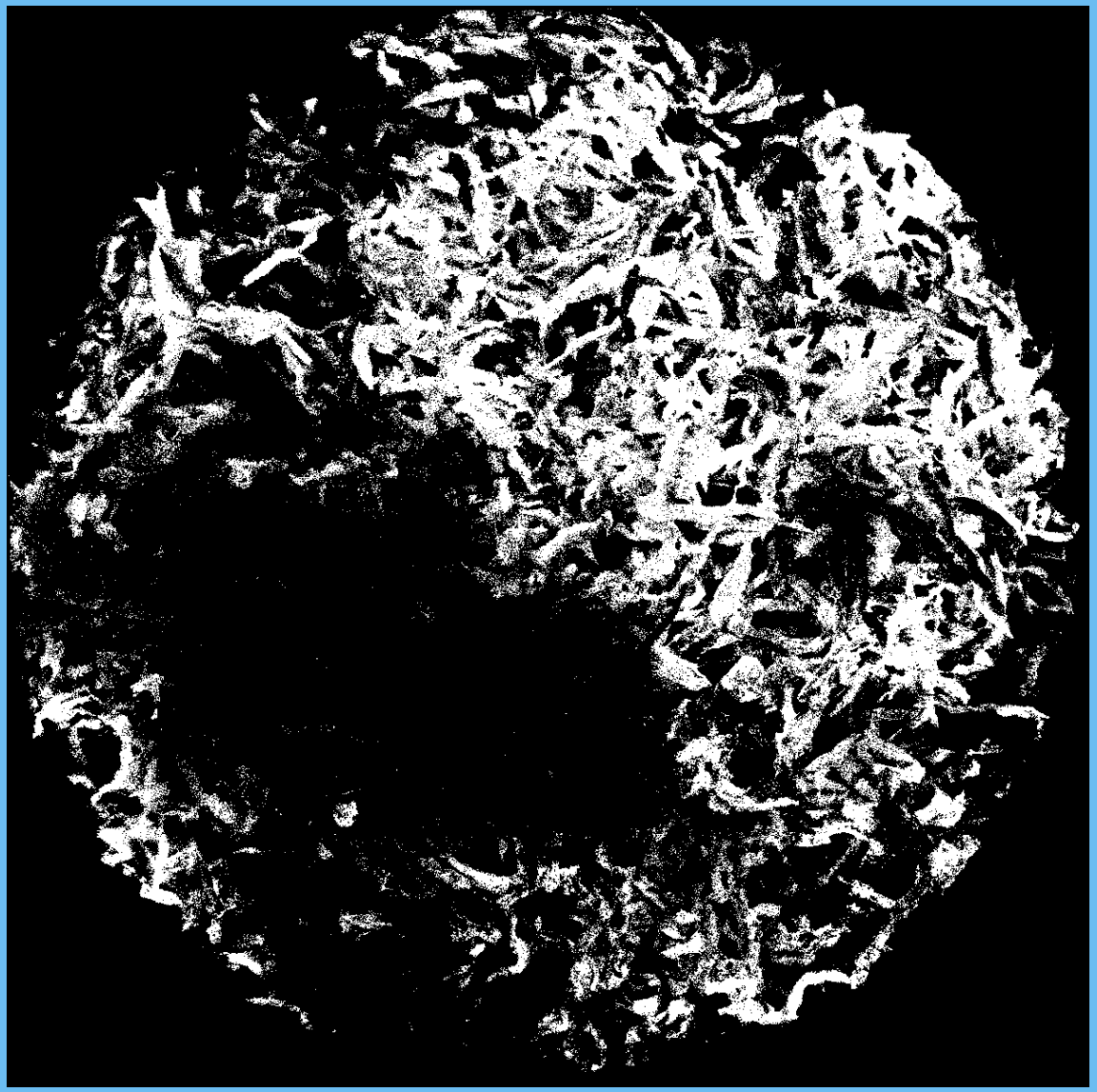
Spectral detection of type 3



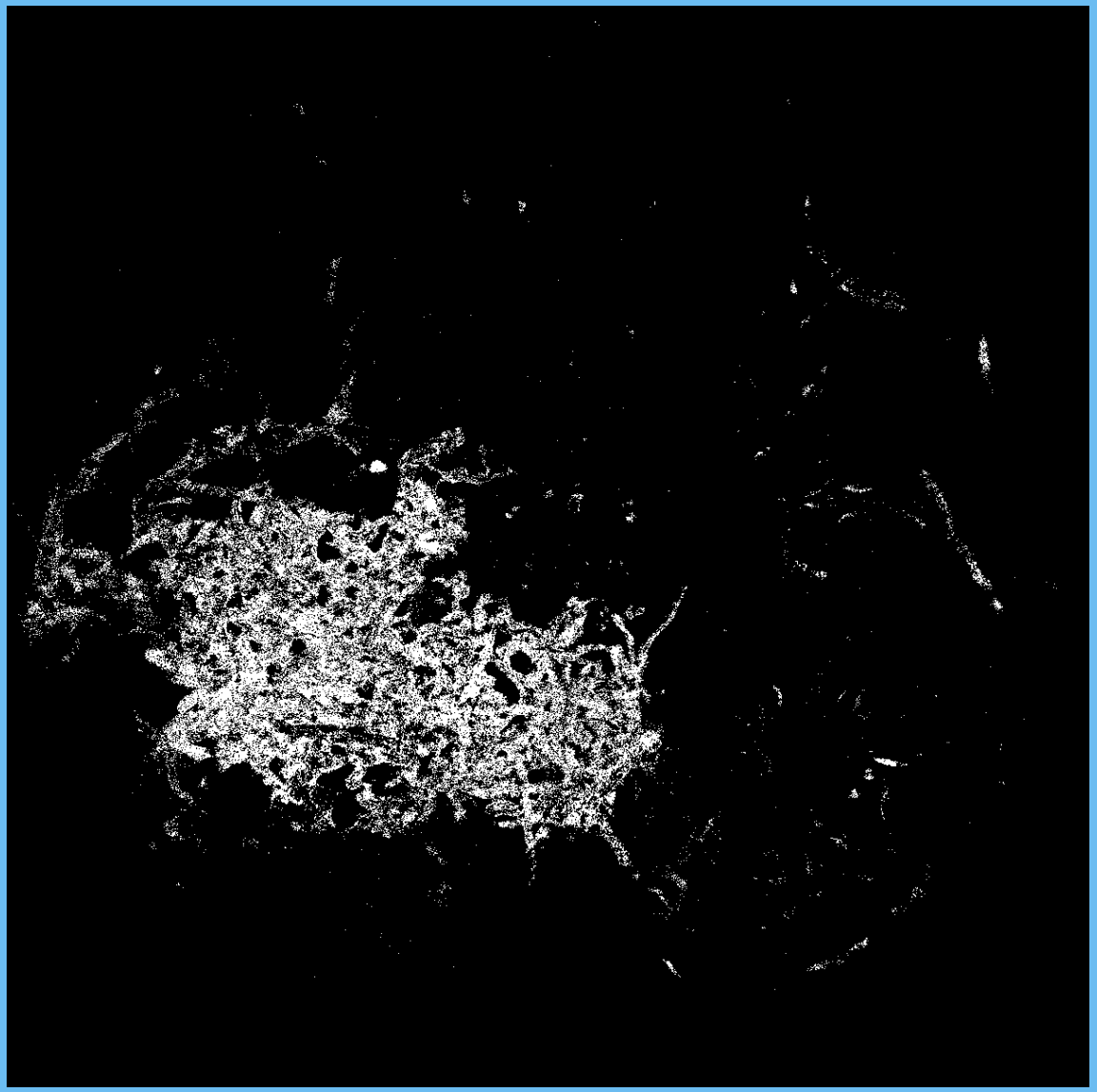
Mixed sample 2 (type 3 added)

Some type 3 added here

Spectral detection of type 1



Spectral detection of type 3



Conclusions

- It seems to be possible to disciminate the three classes spectrally for automatic quantification
- As delivered the three samples have different structure, especially type 2 is a loose grainylike material while type 1 and 3 is entangled material
- Because of the structure the delivered samples were not homogeneous mixtures, but heterogenoeus mixtures. Presented as done here, type 1 and 3 will be overrepresented in relation to type 2
- To create the best and most representative quantification of constituents the samples could be cut into a finer grainy structure and mixed before analysis.
- The grainy material could be fed automatically into the VideometerLab using an automatic feeder