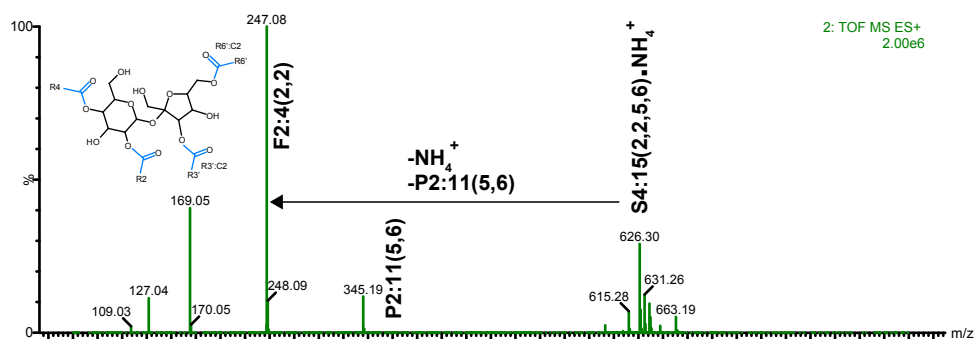
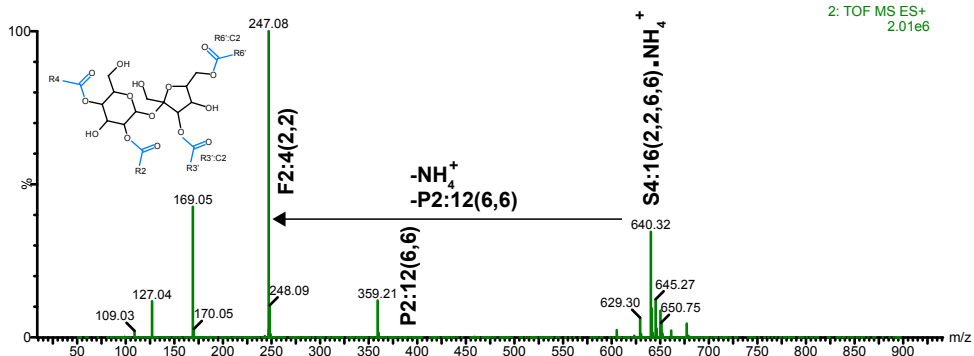


Figure 4-Figure Supplement 2

A.



B.



C.

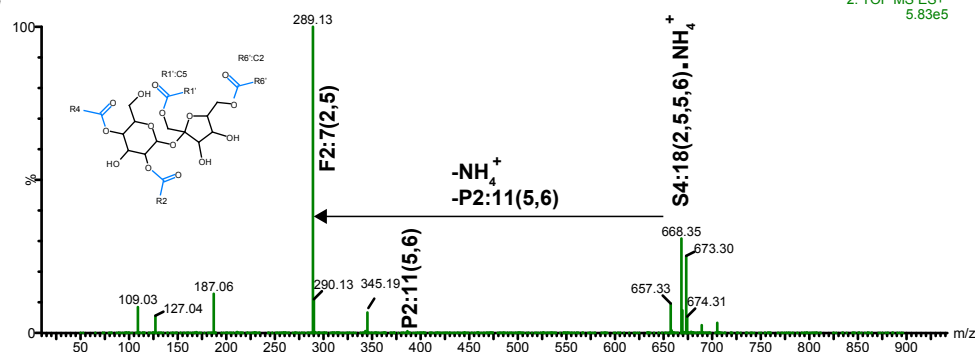


Figure 4-Figure Supplement 2: Positive mode fragmentation patterns of novel acylsugars found in *SsASAT3* VIGS knockdown plants. In (A,B,C), mass spectra obtained at elevated collision energies of three different novel acylsucrose peaks are shown. We make the assumption that fragment ions and the most abundant pseudomolecular ions appearing at the same retention time are associated. In all three cases, assuming that the original mono- and di-acylations occurred on the pyranose (P) ring, we can infer that the subsequent C2 and C5 additions giving rise to the tri- and tetra-acylated sugars occurred on the furanose (F) ring.