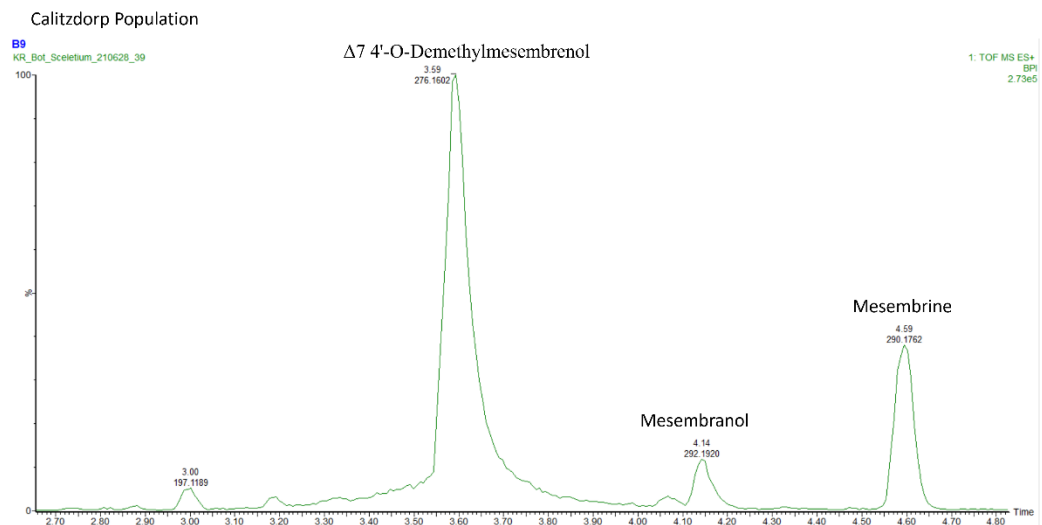
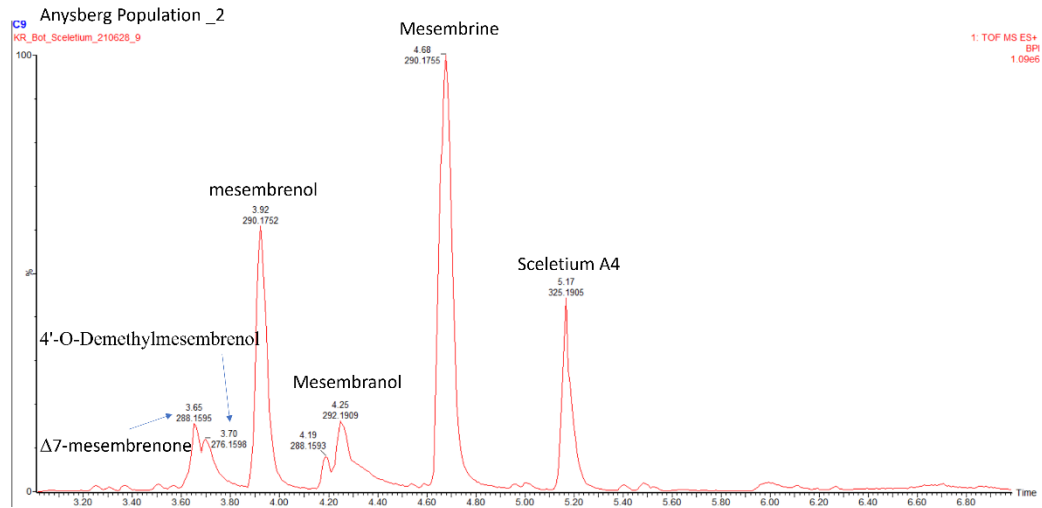
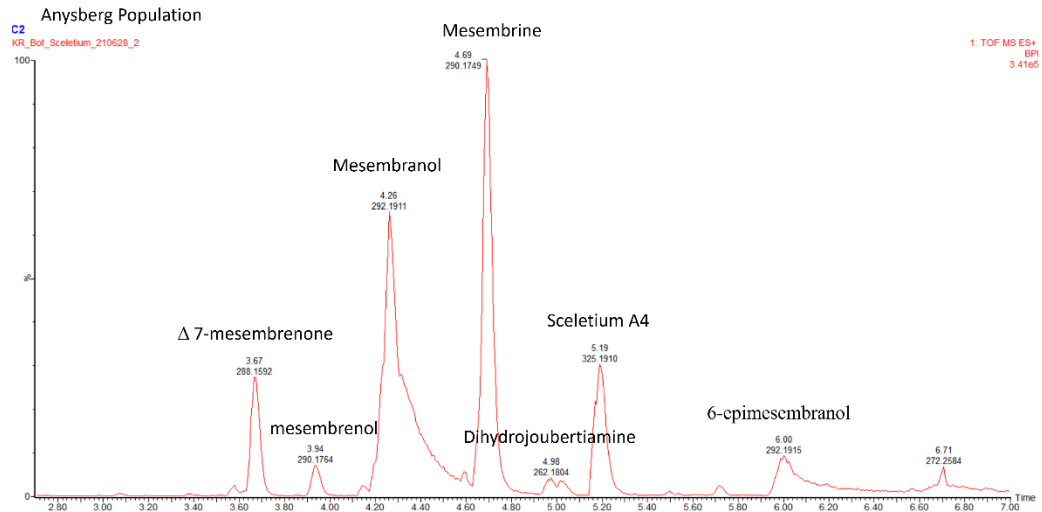
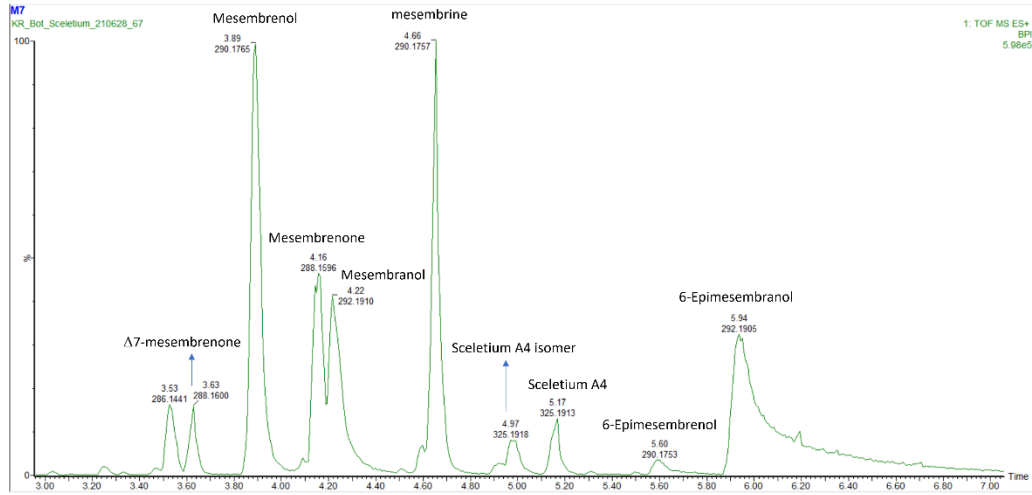


Supplementary B

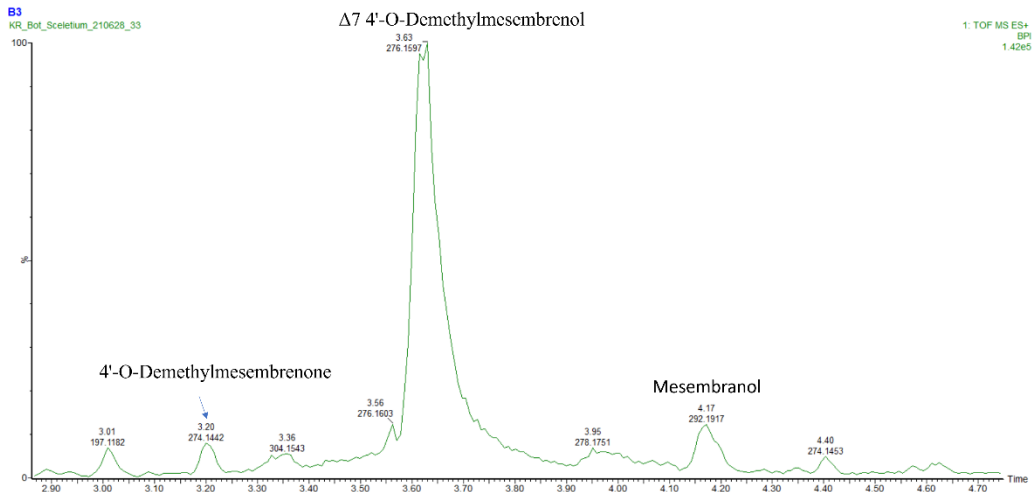
Full Chromatograms



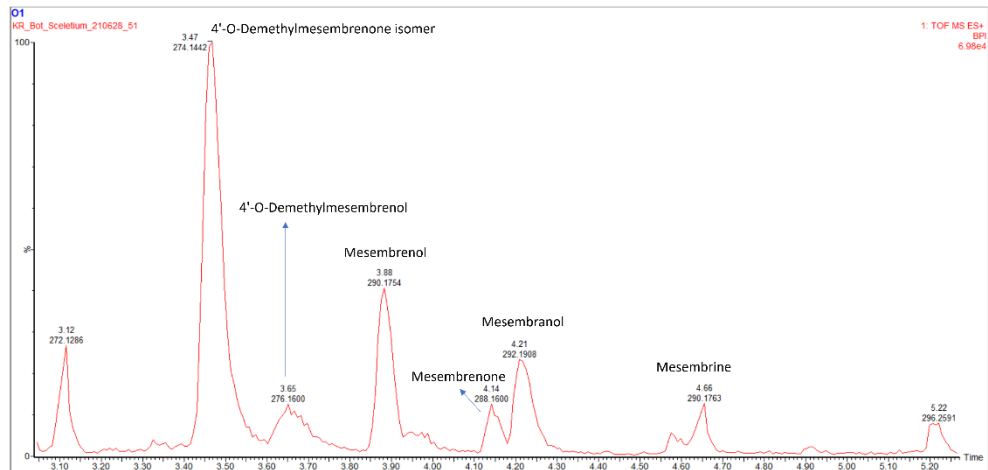
De Rust Population

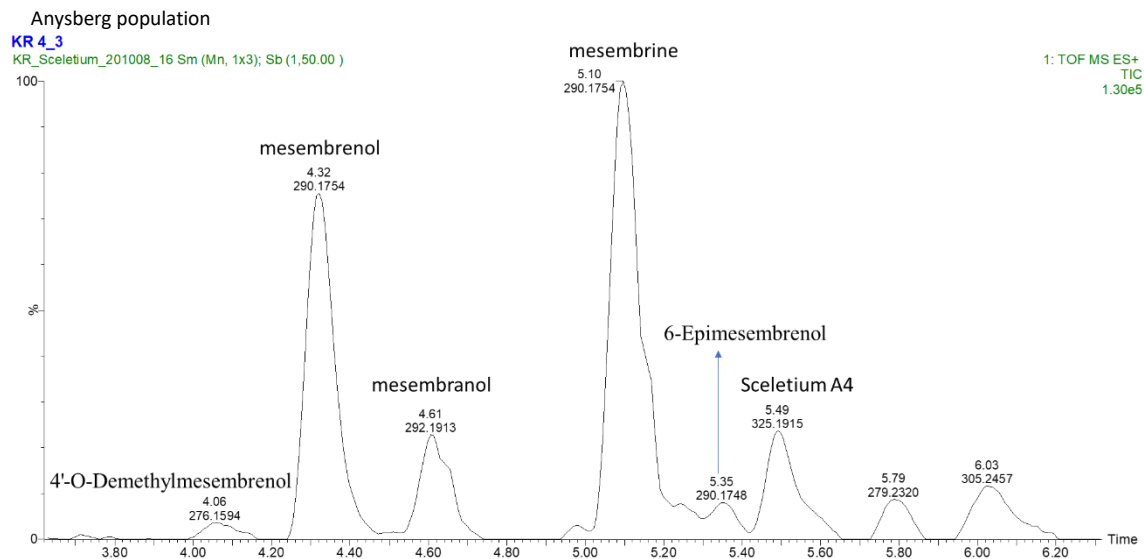
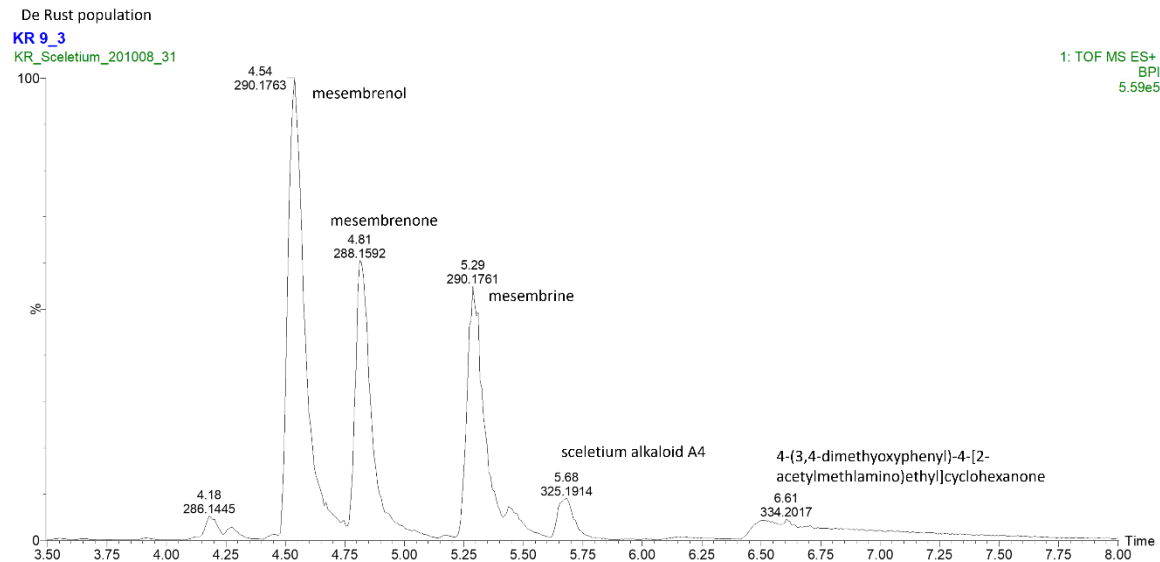
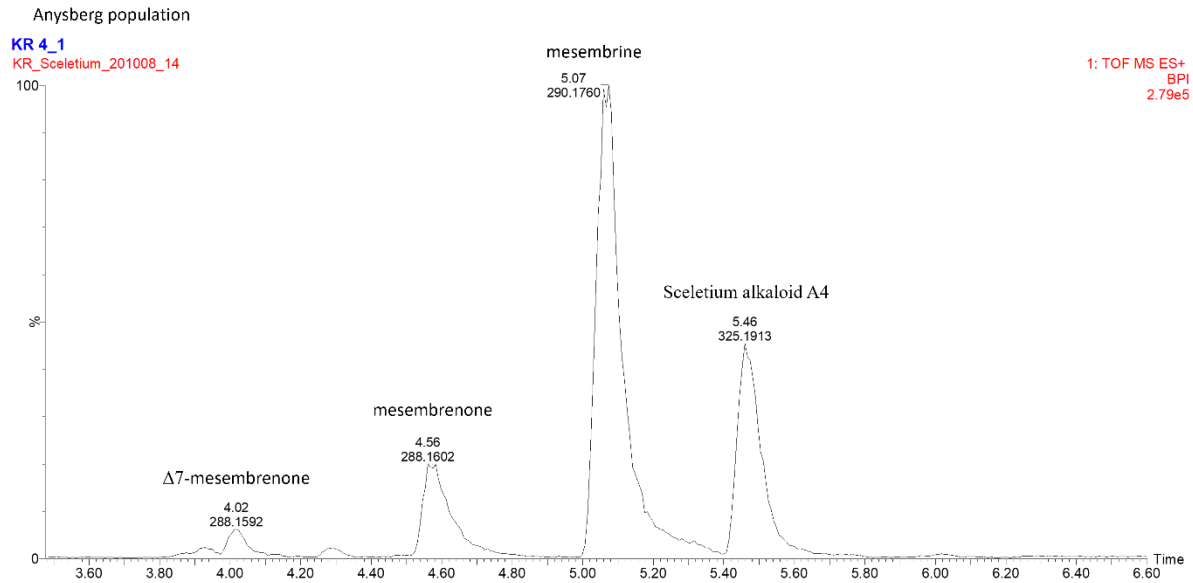


Caltzodorp Population



Die Hel Population



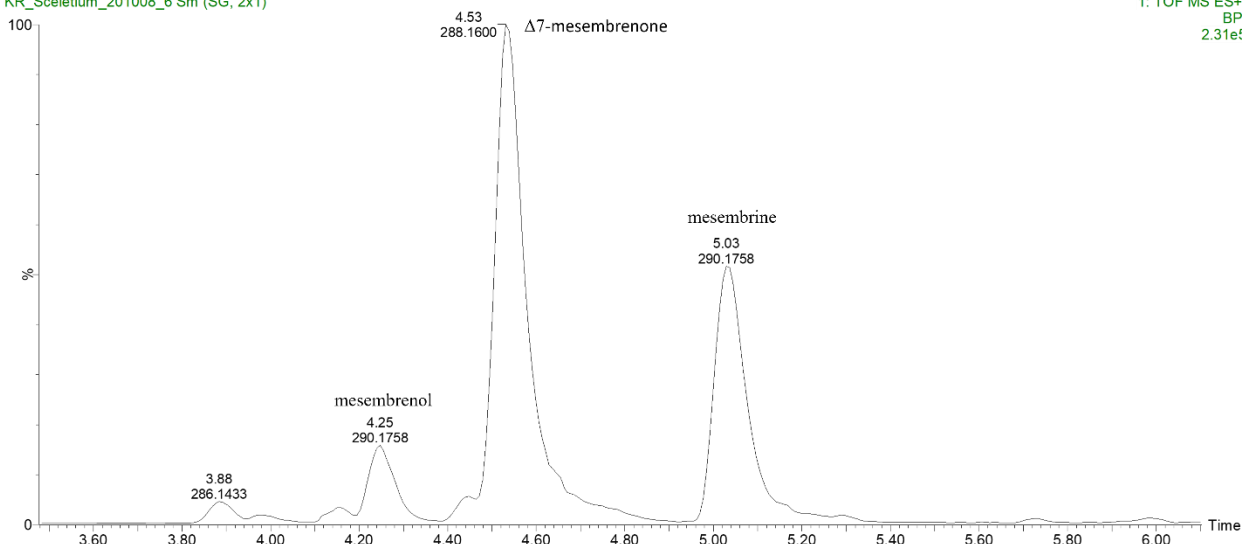


Kannaland population

KR 1_2

KR_Sceletium_201008_6 Sm (SG, 2x1)

1: TOF MS ES+
BPI
2.31e5

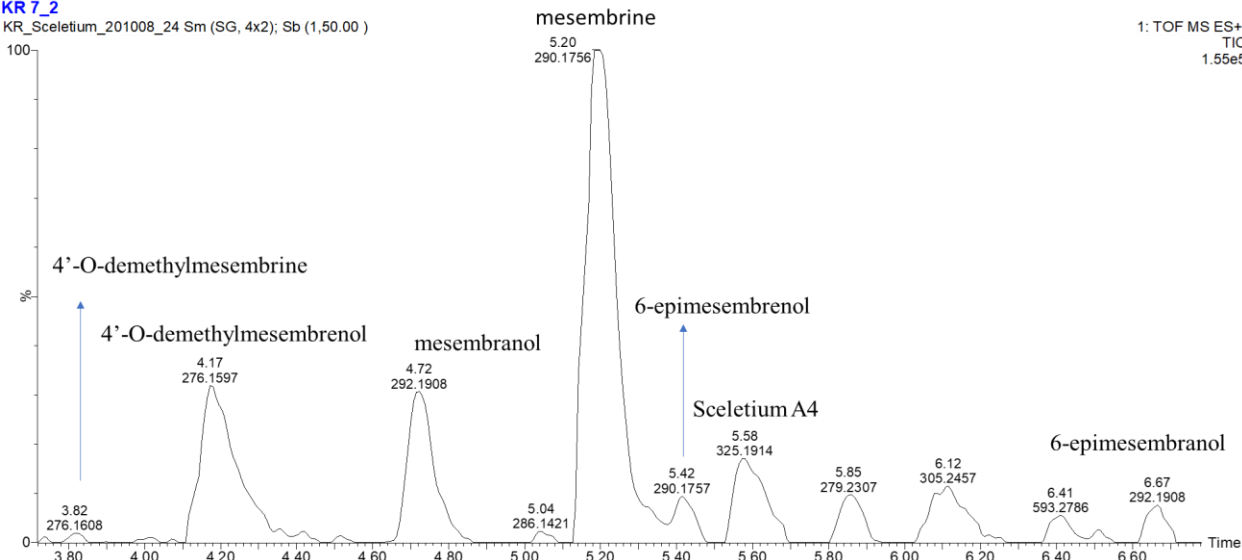


Warmwatereberg population

KR 7_2

KR_Sceletium_201008_24 Sm (SG, 4x2); Sb (1,50.00)

1: TOF MS ES+
TIC
1.55e5

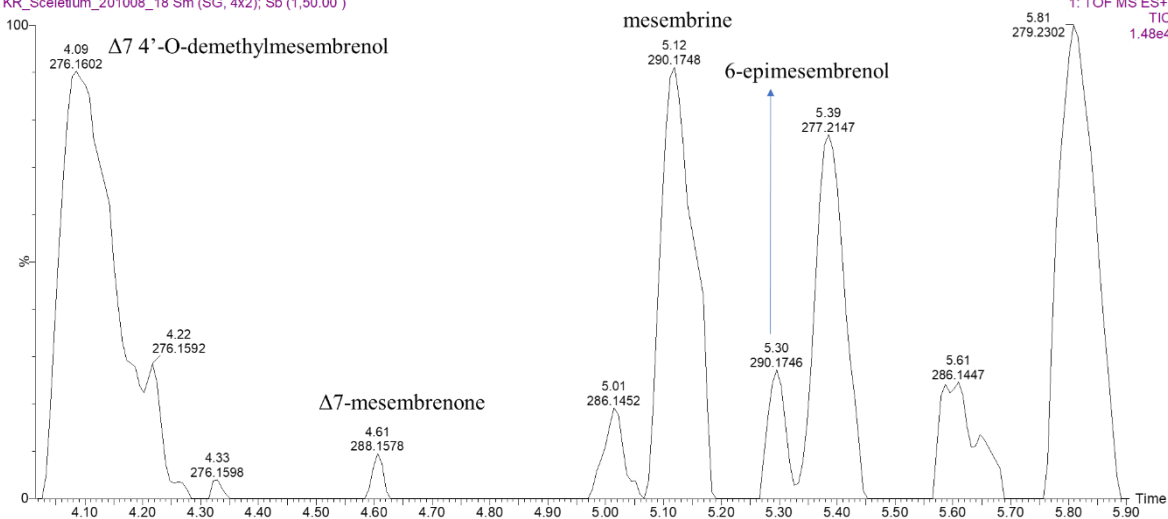


Calitzdorp population

KR 5_2

KR_Sceletium_201008_18 Sm (SG, 4x2); Sb (1,50.00)

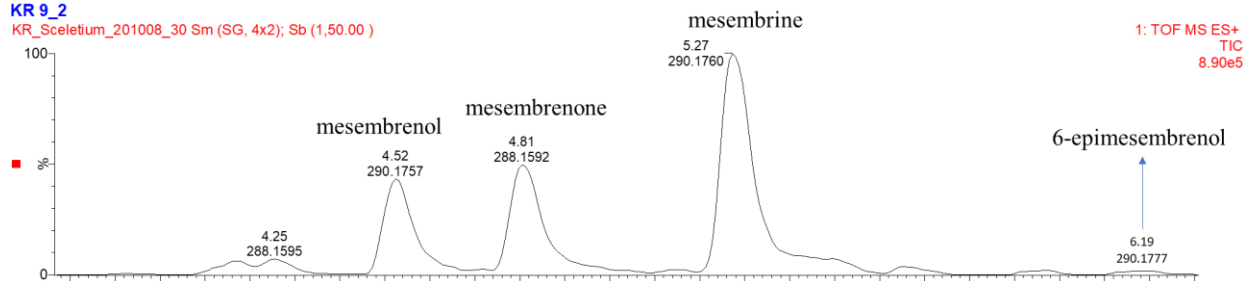
1: TOF MS ES+
TIC
1.48e4



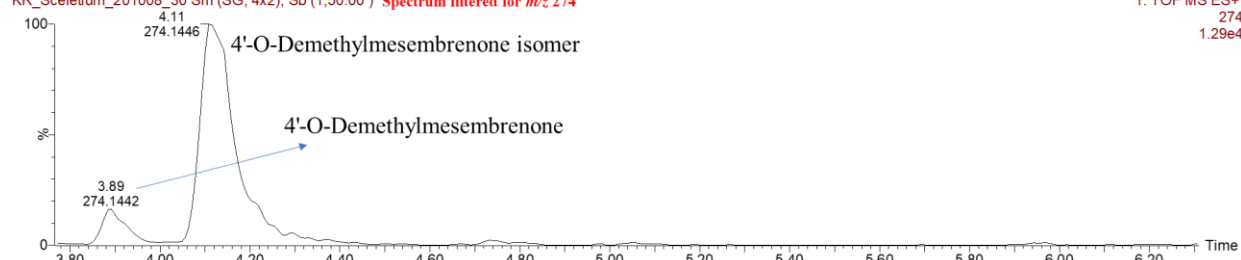
De Rust population

KR 9_2

KR_Sceletium_201008_30 Sm (SG, 4x2); Sb (1,50.00)



KR_Sceletium_201008_30 Sm (SG, 4x2); Sb (1,50.00) Spectrum filtered for m/z 274

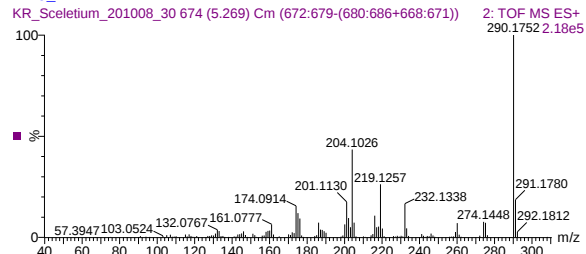


Fragmentation spectra

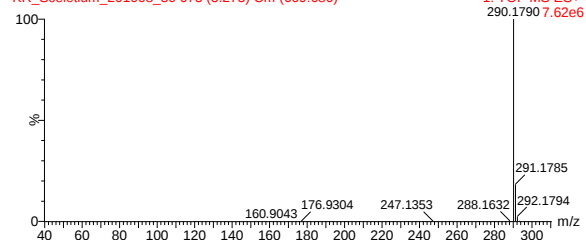
Spectral data for mesembrine

KR 9_2

KR_Sceletium_201008_30 674 (5.269) Cm (672:679-(680:686+668:671))



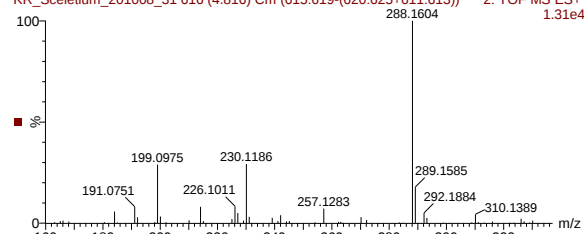
KR_Sceletium_201008_30 675 (5.273) Cm (669:686)



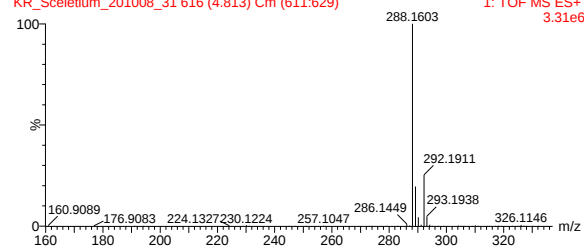
Spectral data for mesembrenone

KR 9_3

KR_Sceletium_201008_31 616 (4.816) Cm (615:619-(620:625+611:613)) 2: TOF MS ES+ 1.31e4



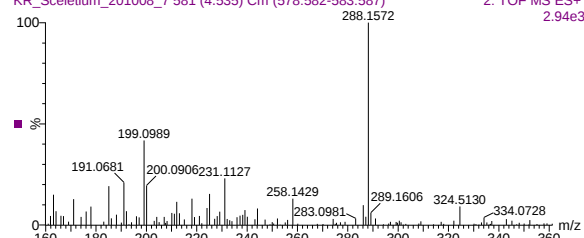
KR_Sceletium_201008_31 616 (4.813) Cm (611:629) 1: TOF MS ES+ 3.31e6



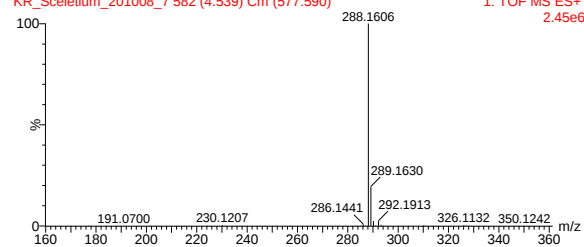
Spectral data for Δ^7 -mesembrenone

KR 1_3

KR_Sceletium_201008_7 581 (4.535) Cm (578:582-583:587) 2: TOF MS ES+ 2.94e3

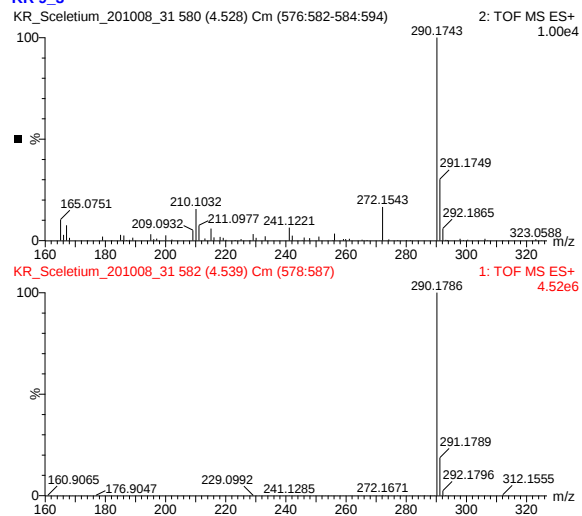


KR_Sceletium_201008_7 582 (4.539) Cm (577:590) 1: TOF MS ES+ 2.45e6



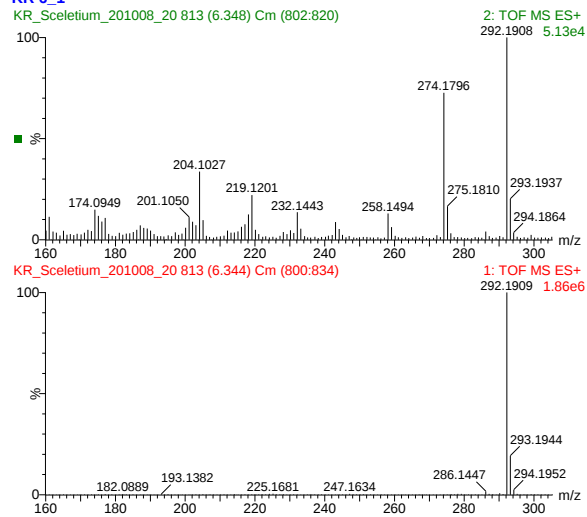
Spectral data for mesembrenol

KR 9_3



Spectral data for 6-epimesembranol

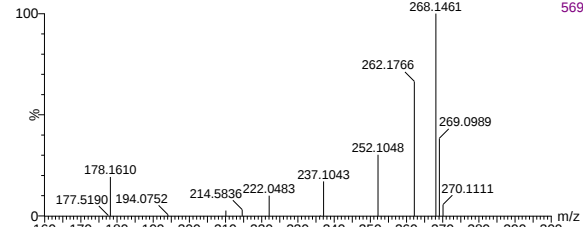
KR 6_1



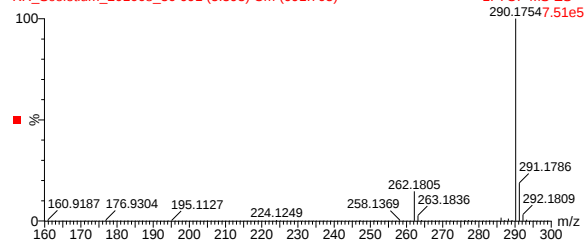
Spectral data for dihydrojoubertiamine

KR 9_2

KR_Sceletium_201008_30 702 (5.479) Cm (695:702-(690:695+702:706)) 2: TOF MS ES+ 569



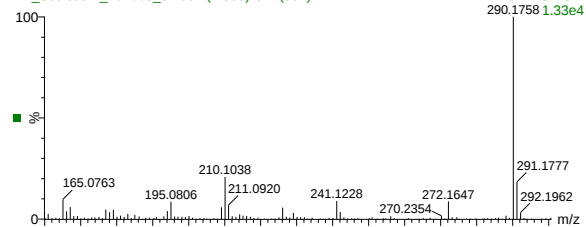
KR_Sceletium_201008_30 691 (5.393) Cm (691:705)



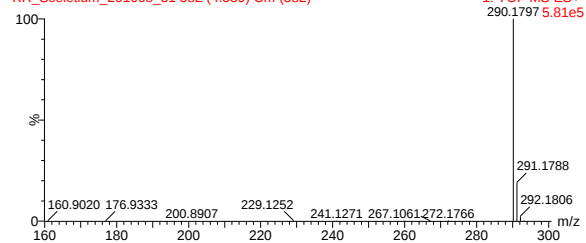
Spectral data for O-methydehydroljoubertiamine

KR 9_3

KR_Sceletium_201008_31 581 (4.535) Cm (581)

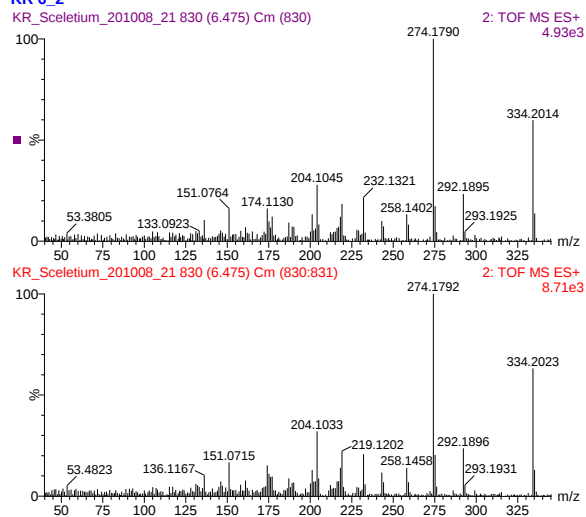


KR_Sceletium_201008_31 582 (4.539) Cm (582)



Spectral data for 4-(3,4-dimethoxyphenyl)-4-[2-acetylmethylamino)ethyl]cyclohexanone

KR 6_2



Spectral data for sceletium alkaloid A4

KR 4_1

