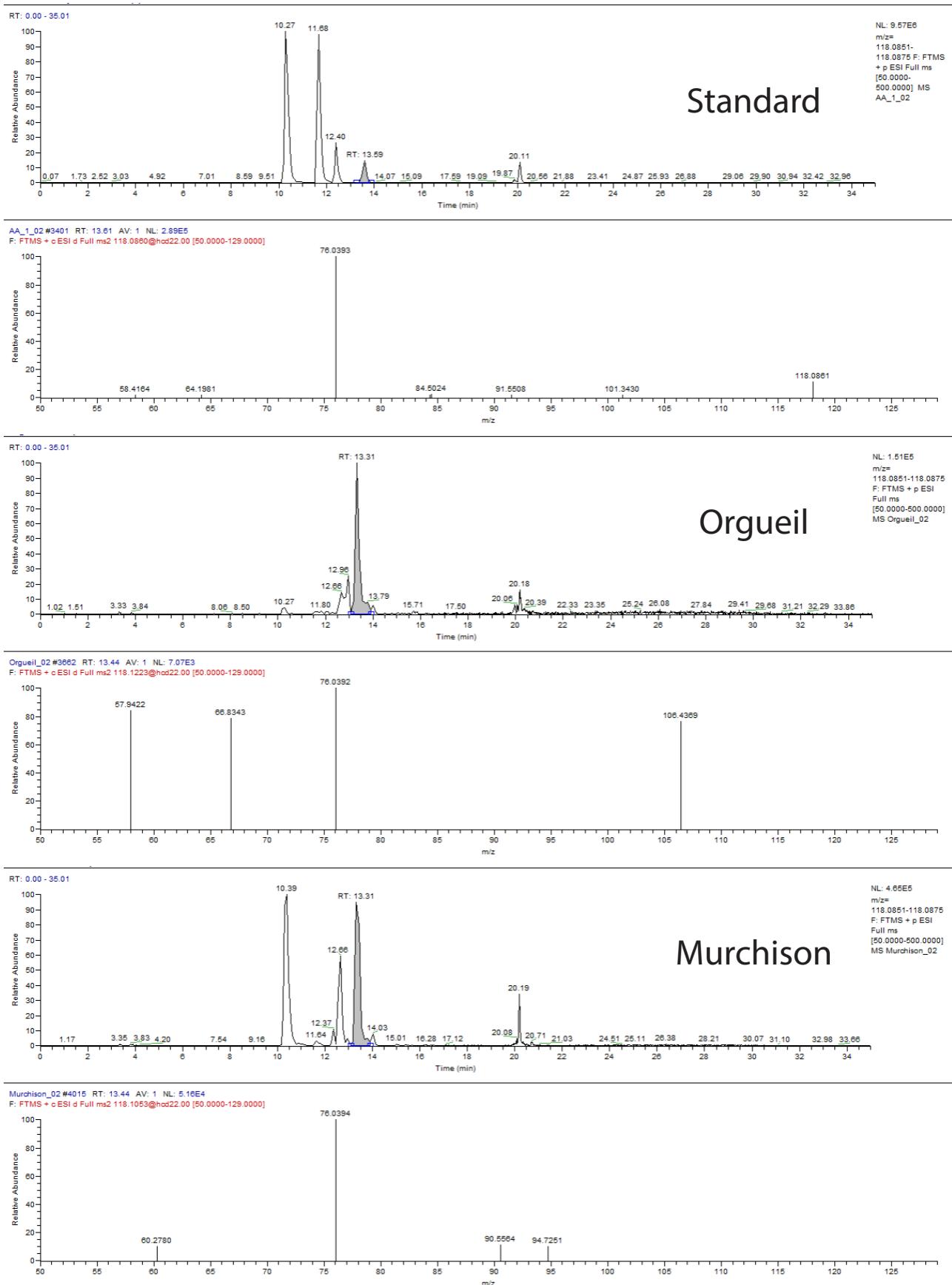
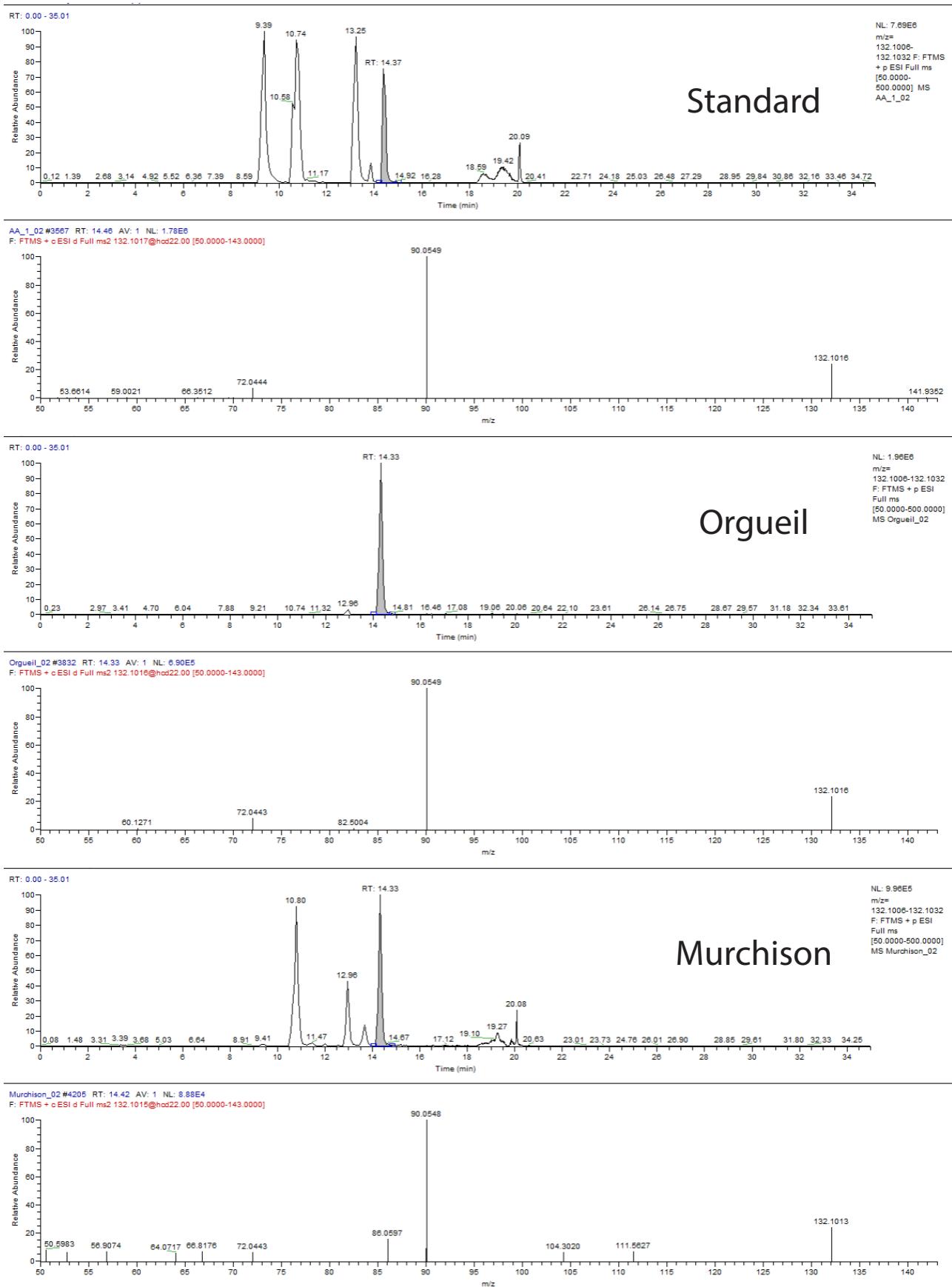


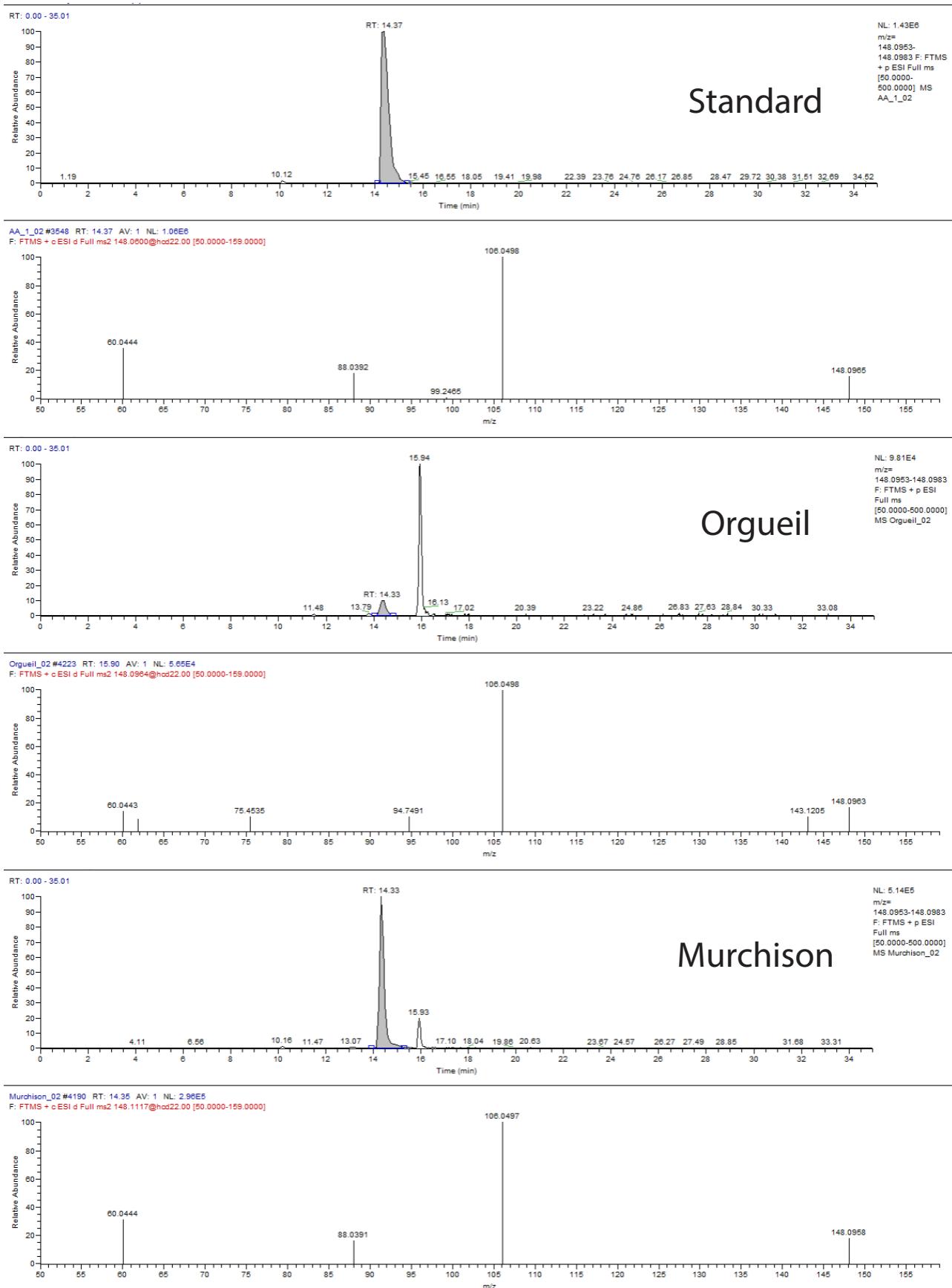
# Figure S1a. Tandem Mass Spectrometry (MS<sup>2</sup>) data for glycine (as an isopropyl ester)



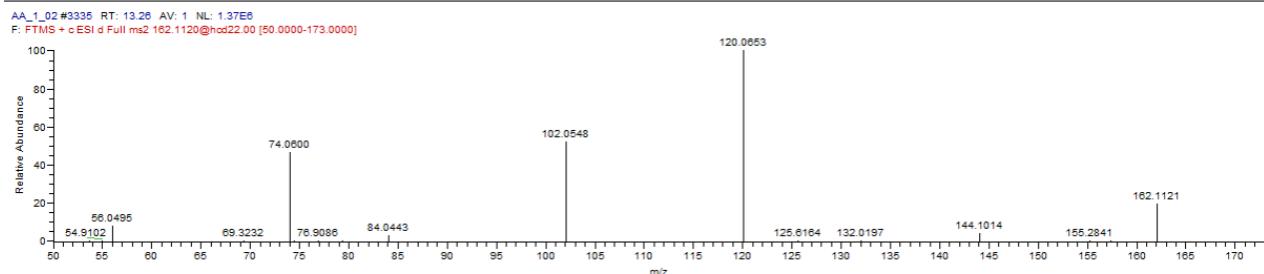
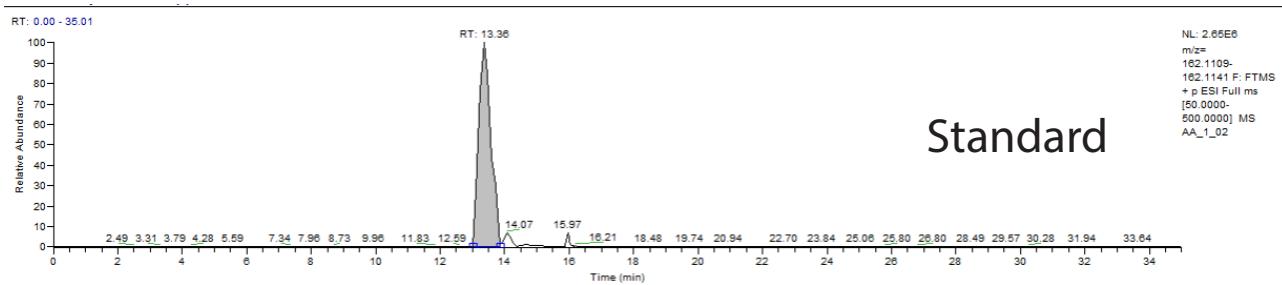
## Figure S1b. Tandem Mass Spectrometry (MS<sup>2</sup>) data for $\beta$ -Alanine (as an isopropyl ester)



## Figure S1c. Tandem Mass Spectrometry (MS<sup>2</sup>) data for serine (as an isopropyl ester)

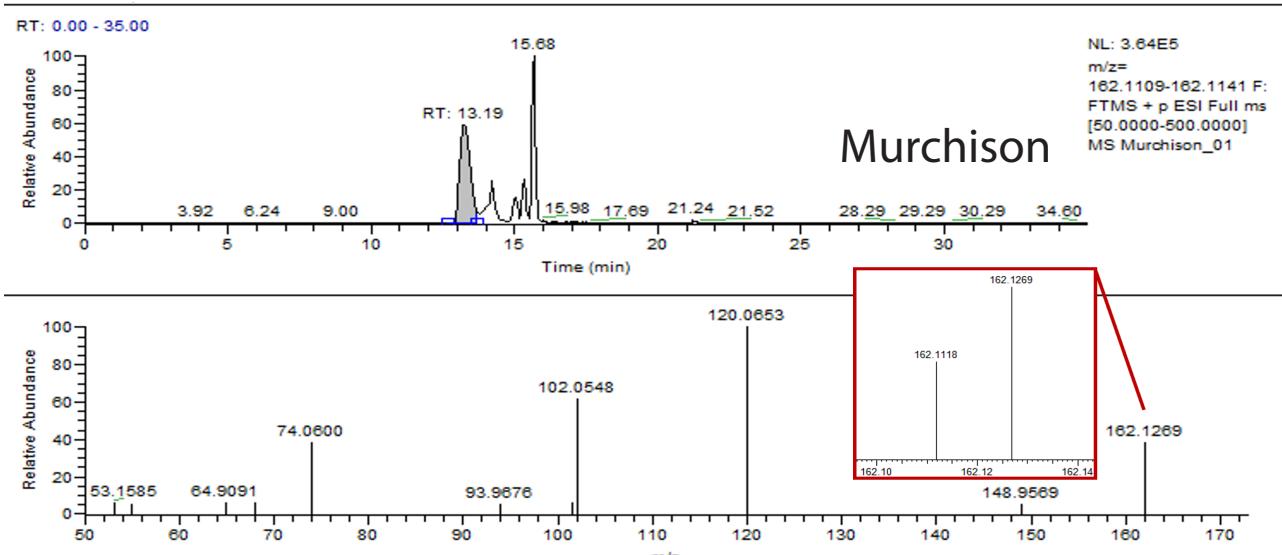


**Figure S1d. Tandem Mass Spectrometry (MS<sup>2</sup>) data for threonine (as an isopropyl ester)**

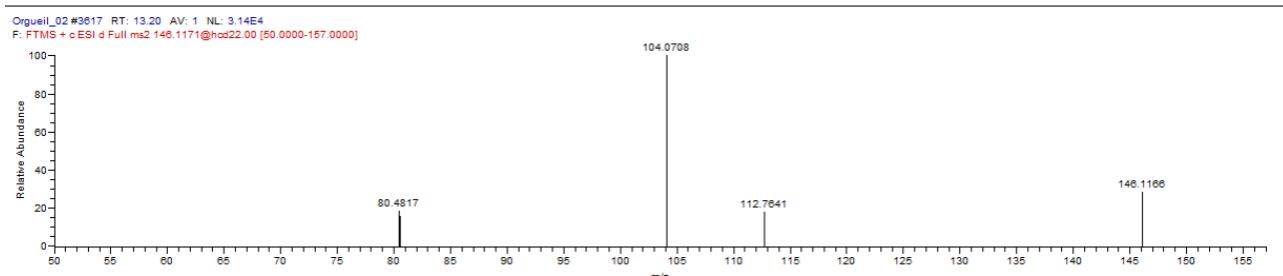
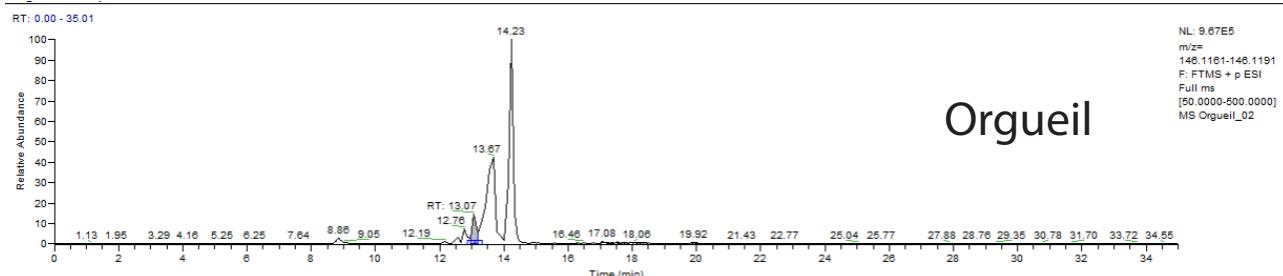
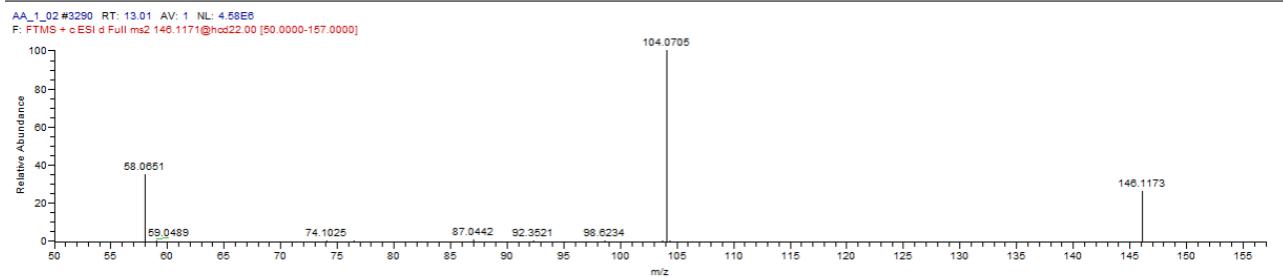
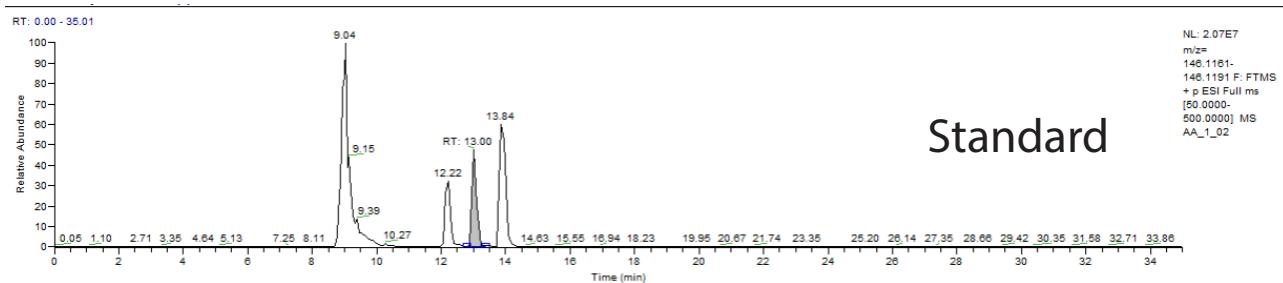


Orgueil

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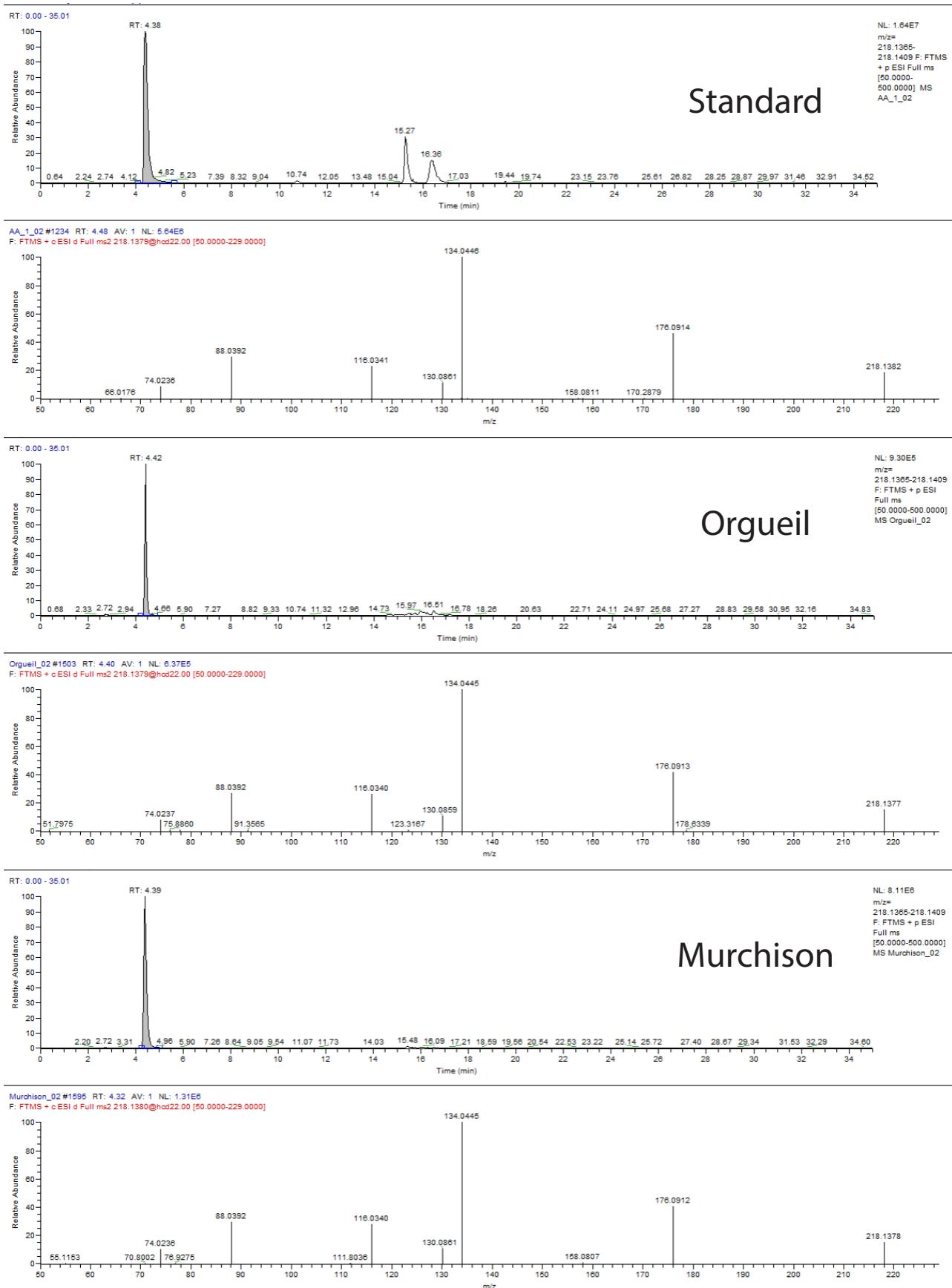
## Figure S1e. Tandem Mass Spectrometry (MS<sup>2</sup>) data for $\alpha$ -aminoisobutyric acid (as an isopropyl ester)



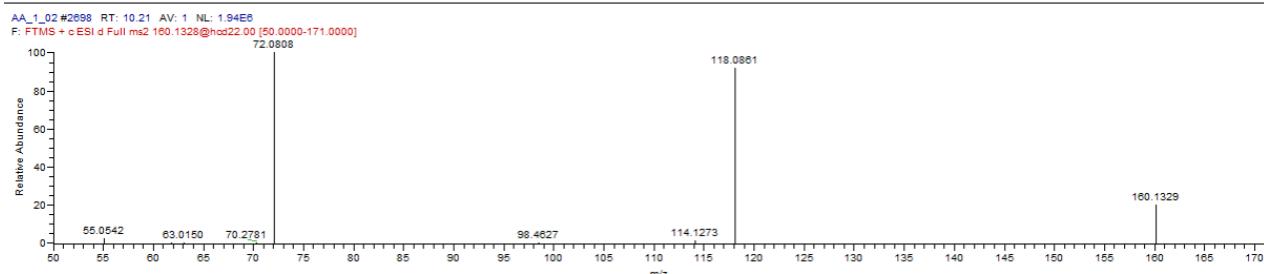
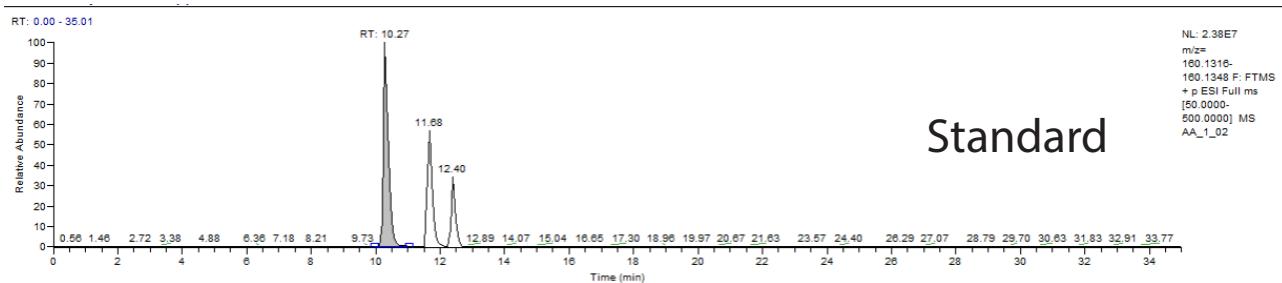
Murchison

No MS<sup>2</sup> data available

**Figure S1f.** Tandem Mass Spectrometry (MS<sup>2</sup>) data for aspartic acid (as an isopropyl ester)

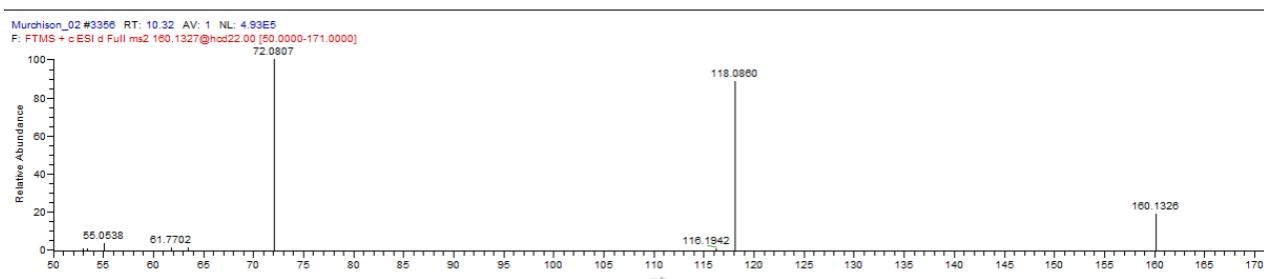
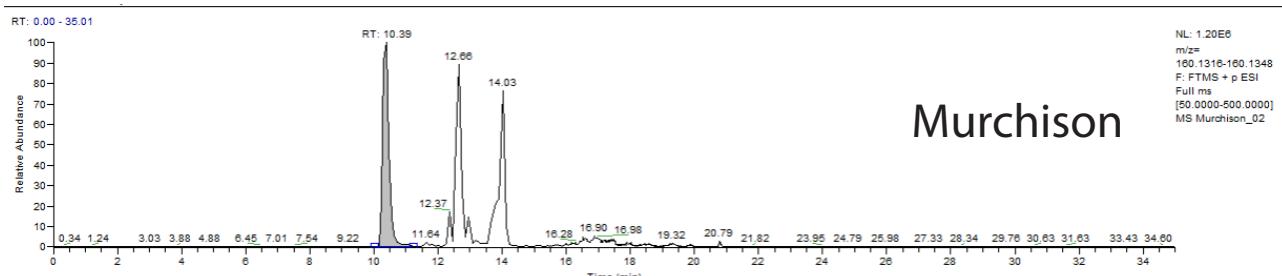


## Figure S1g. Tandem Mass Spectrometry (MS<sup>2</sup>) data for valine (as an isopropyl ester)

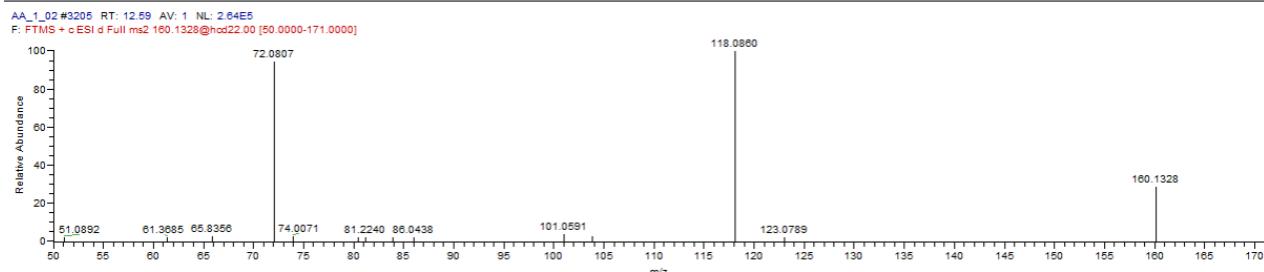
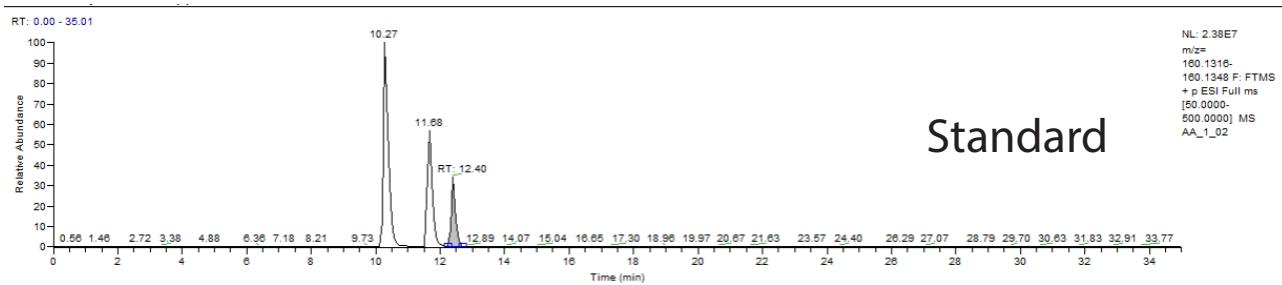


Orgueil

No MS<sup>2</sup> data available

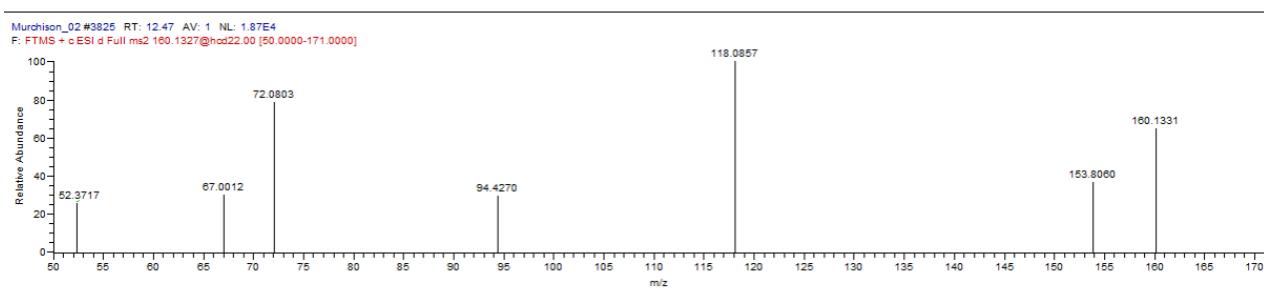
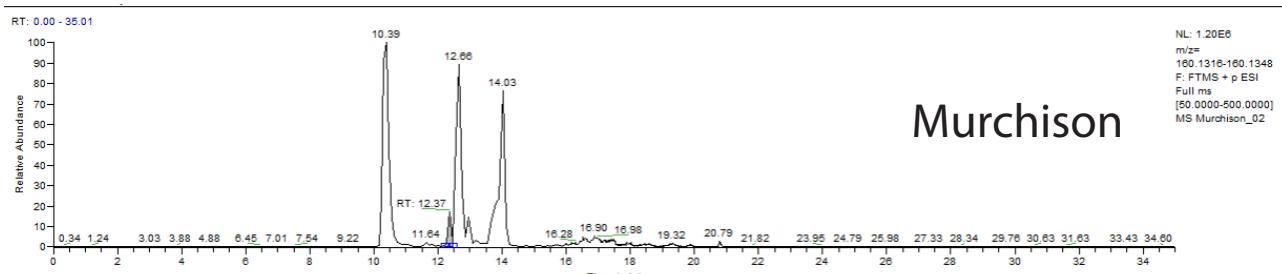


**Figure S1h. Tandem Mass Spectrometry (MS<sup>2</sup>) data for isovaline (as an isopropyl ester)**

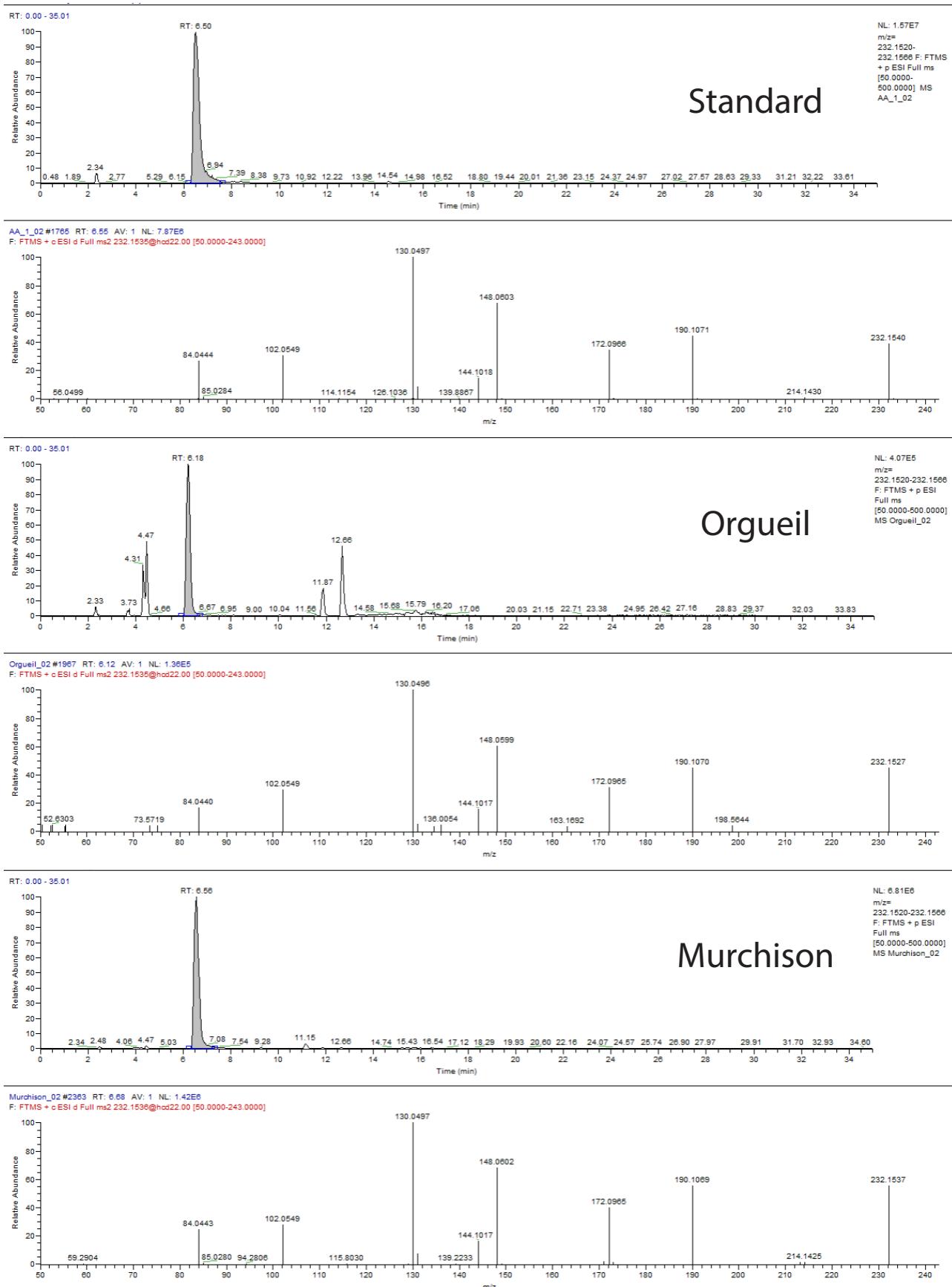


Orgueil

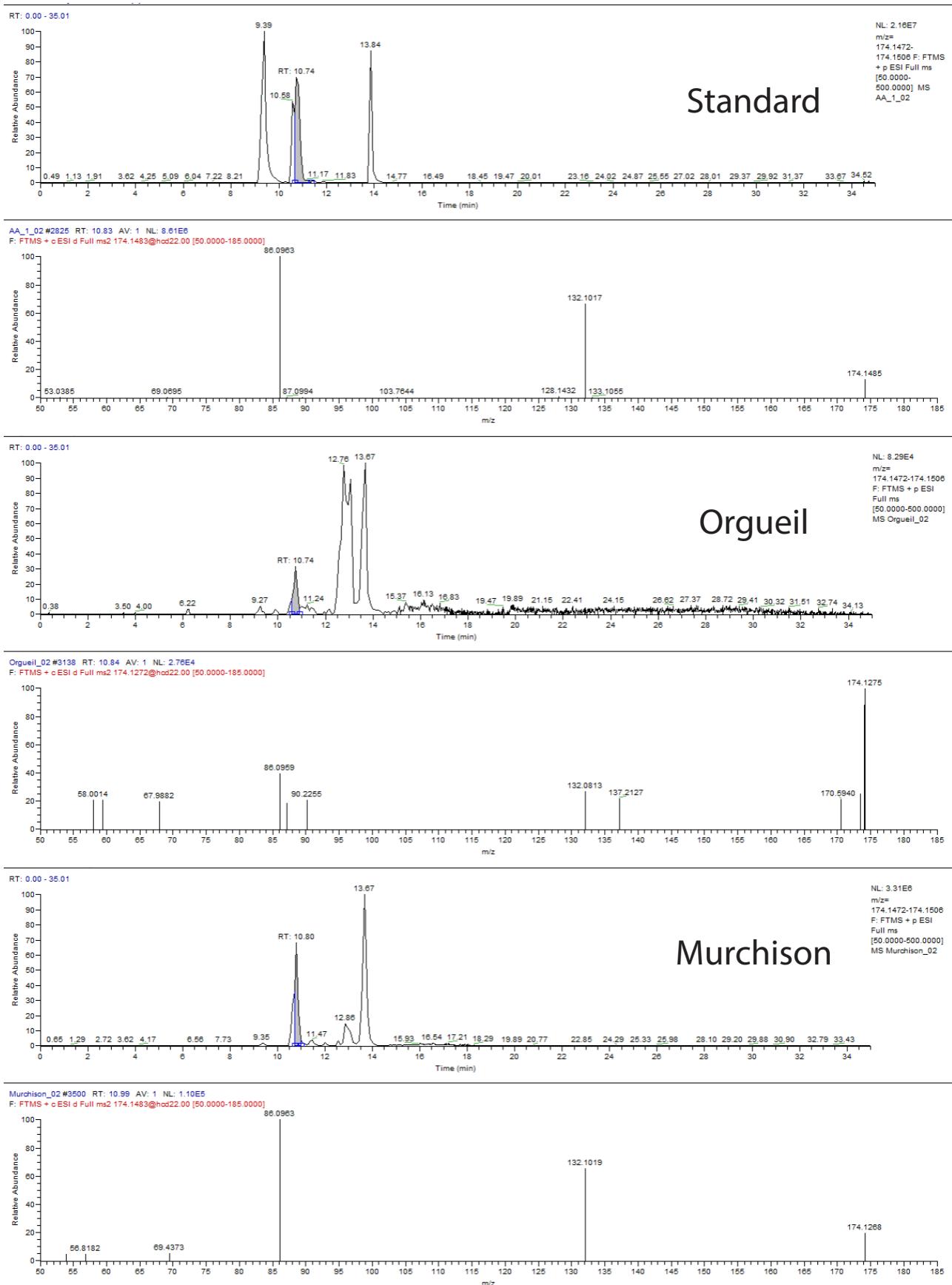
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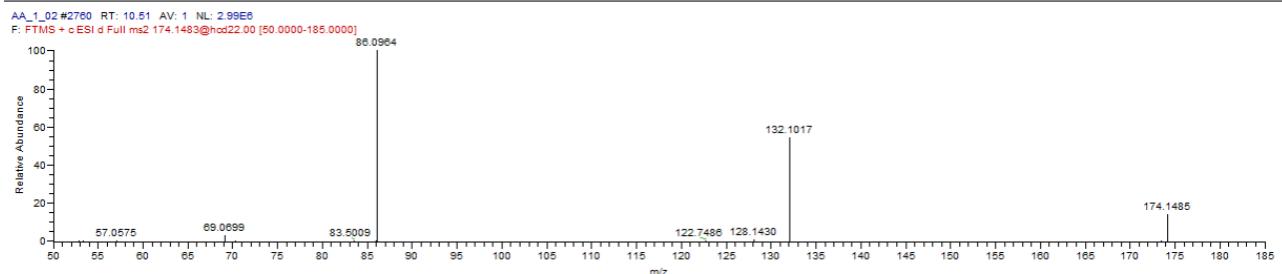
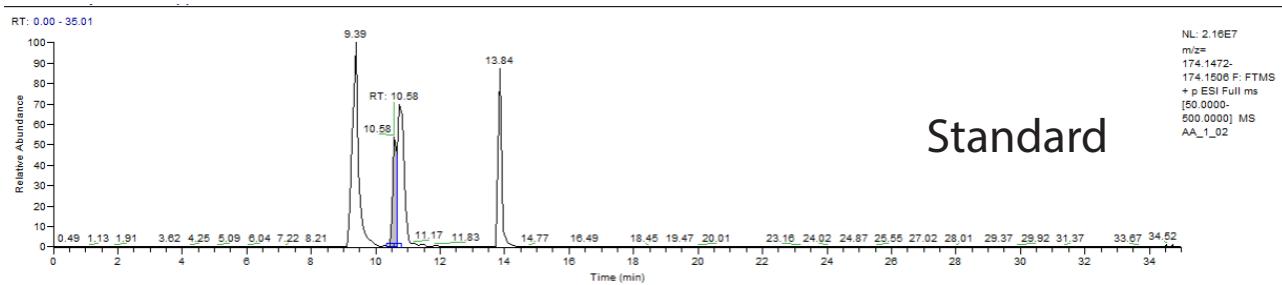
# Figure S1i. Tandem Mass Spectrometry (MS<sup>2</sup>) data for glutamic acid (as an isopropyl ester)



## Figure S1j. Tandem Mass Spectrometry (MS<sup>2</sup>) data for leucine (as an isopropyl ester)

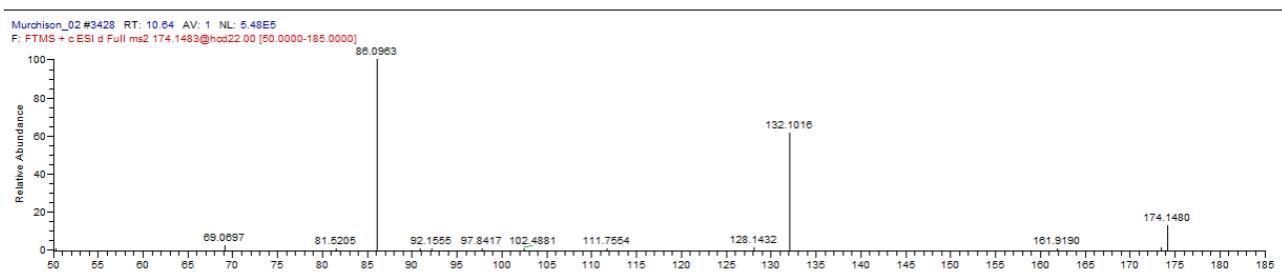
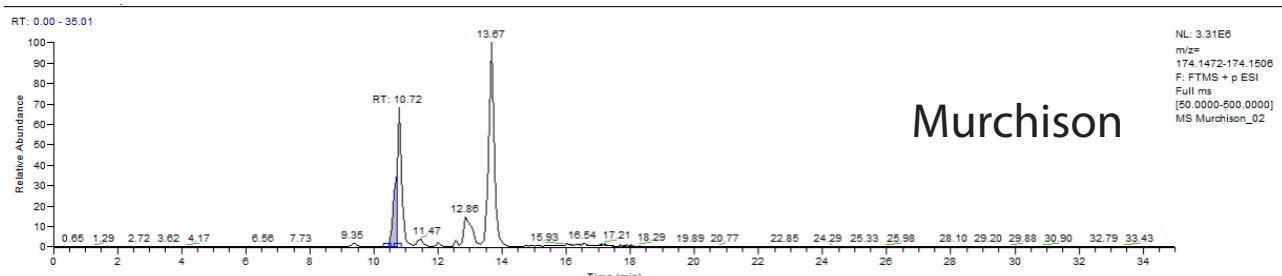


## Figure S1k. Tandem Mass Spectrometry (MS<sup>2</sup>) data for isoleucine (as an isopropyl ester)

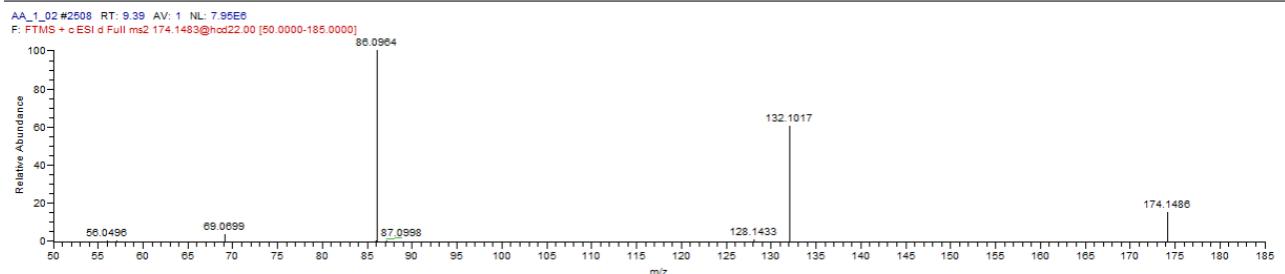
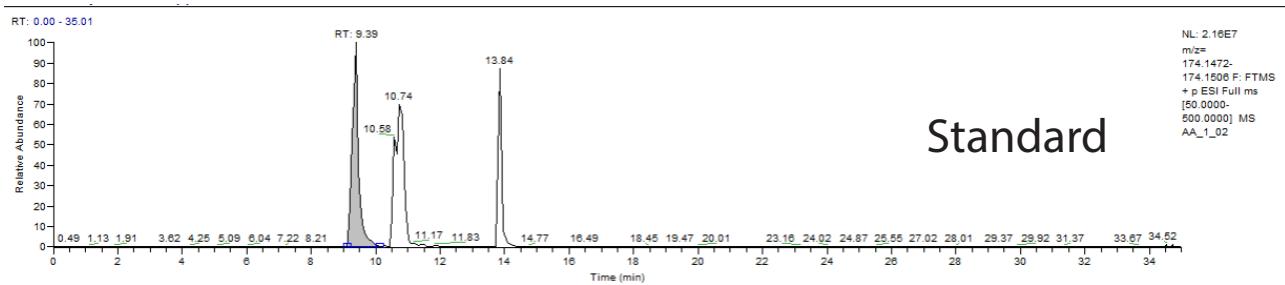


Orgueil

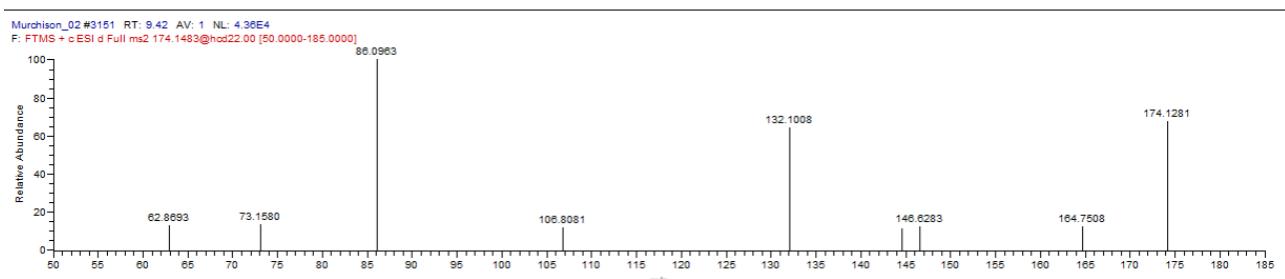
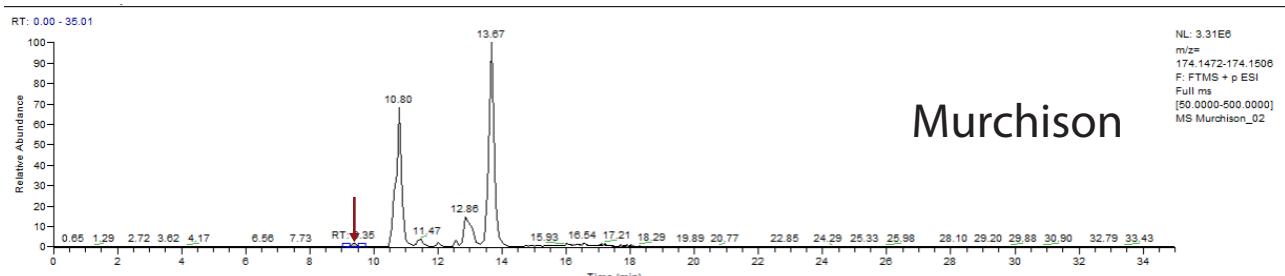
BDL



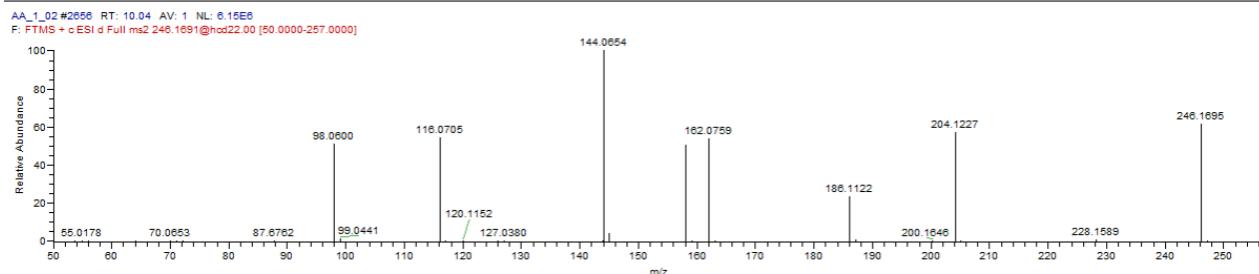
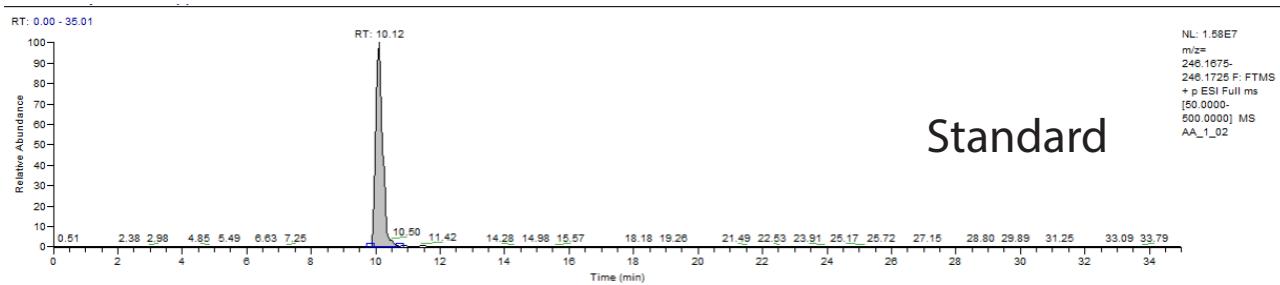
## Figure S11. Tandem Mass Spectrometry (MS<sup>2</sup>) data for alroleucine (as an isoproyl ester)



No MS<sup>2</sup> data available

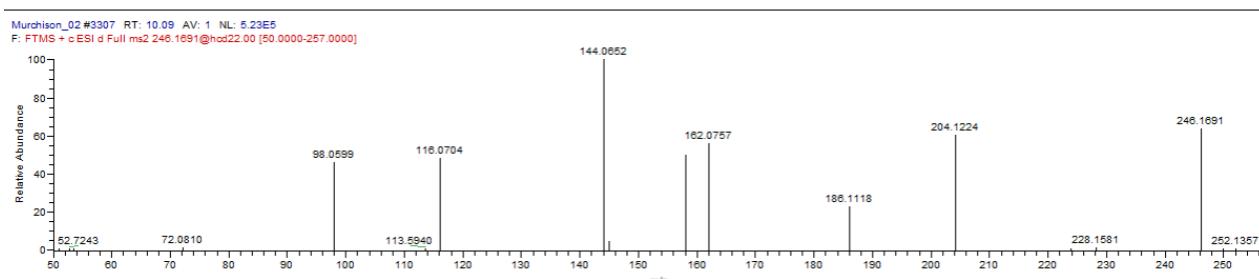
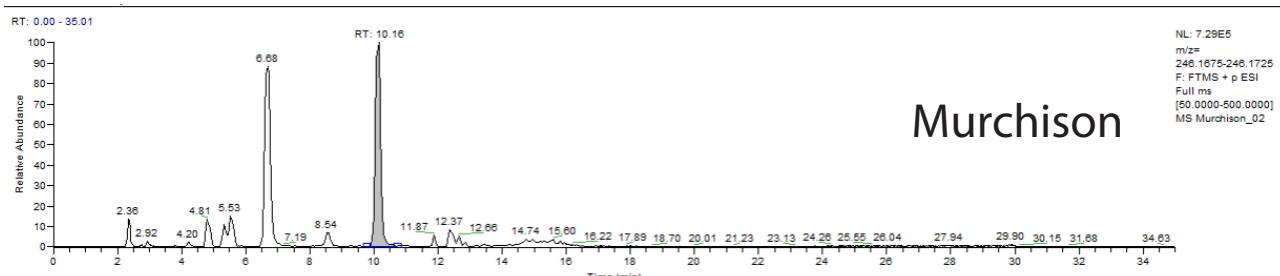


**Figure S1m. Tandem Mass Spectrometry (MS<sup>2</sup>) data for  $\alpha$ -amino adipic acid (as an isopropyl ester)**

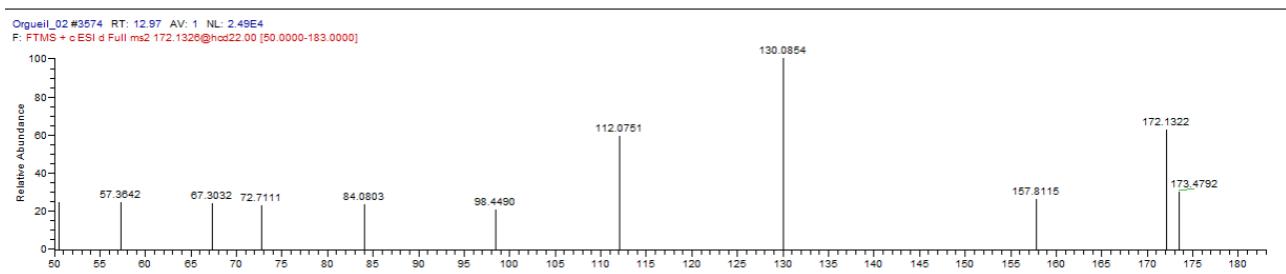
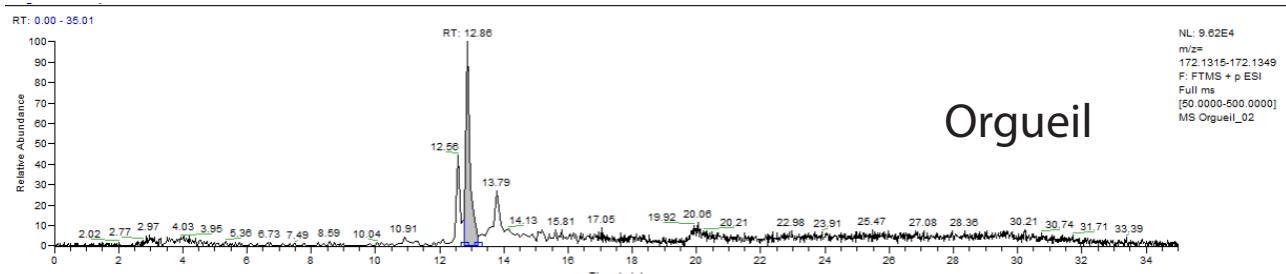
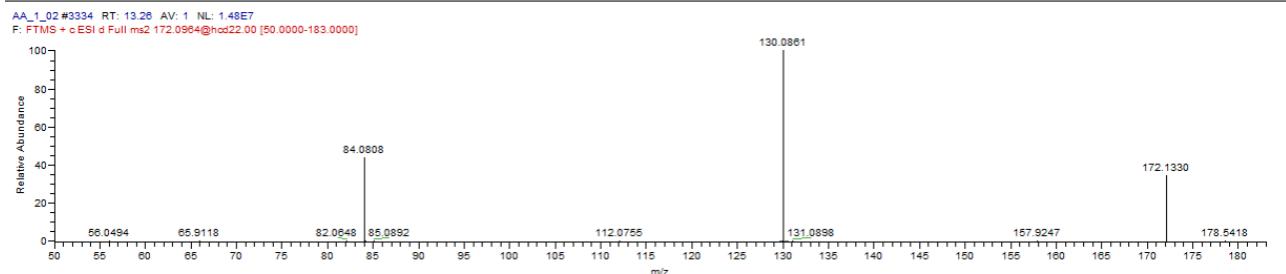
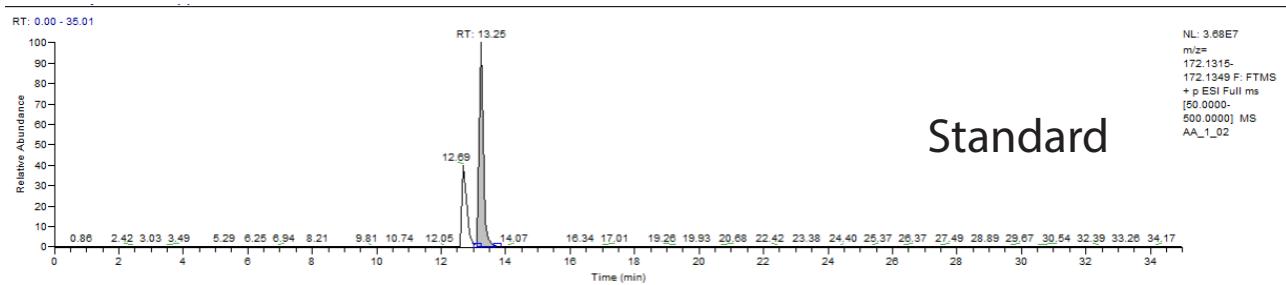


Orgueil

No MS<sup>2</sup> data available



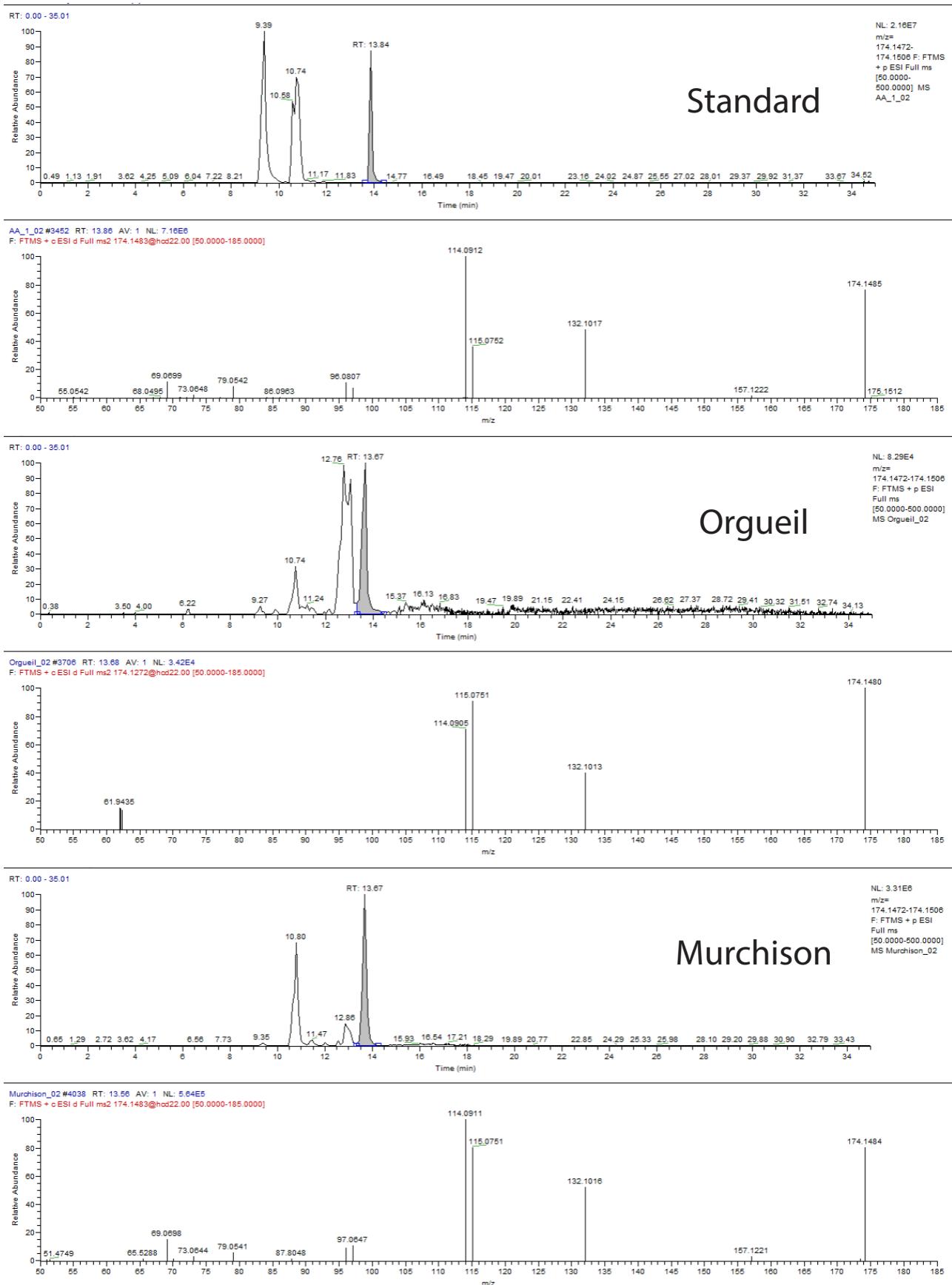
## Figure S1n. Tandem Mass Spectrometry (MS<sup>2</sup>) data for pipecolic acid (as an isopropyl ester)



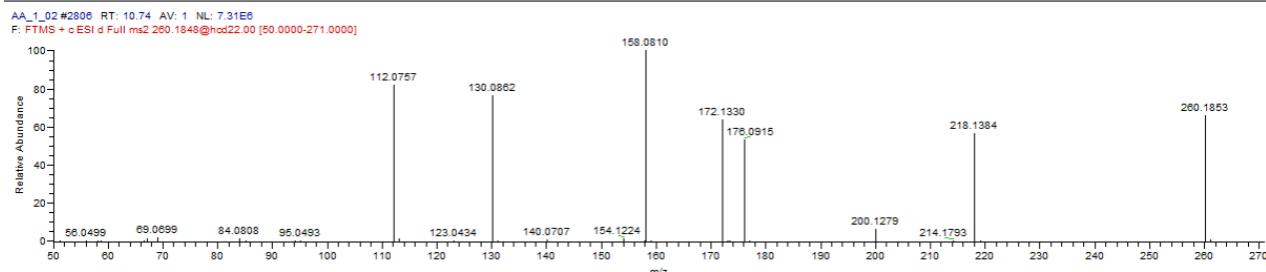
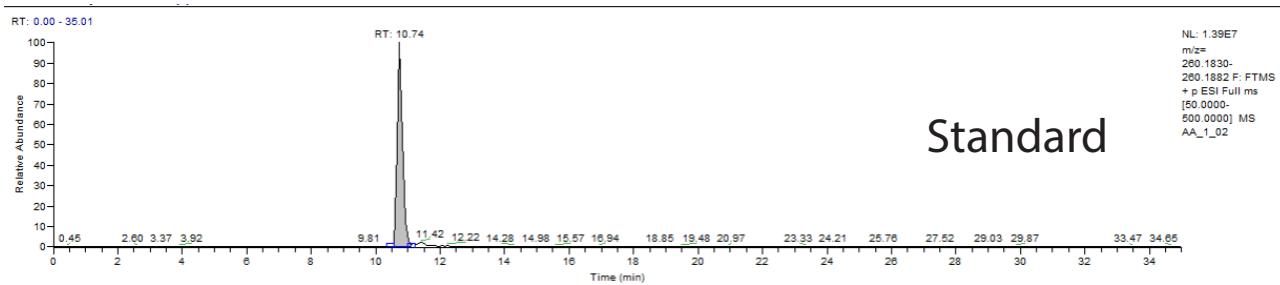
Murchison

No MS<sup>2</sup> data available

## Figure S10. Tandem Mass Spectrometry (MS<sup>2</sup>) data for aminocaproic acid (as an isopropyl ester)

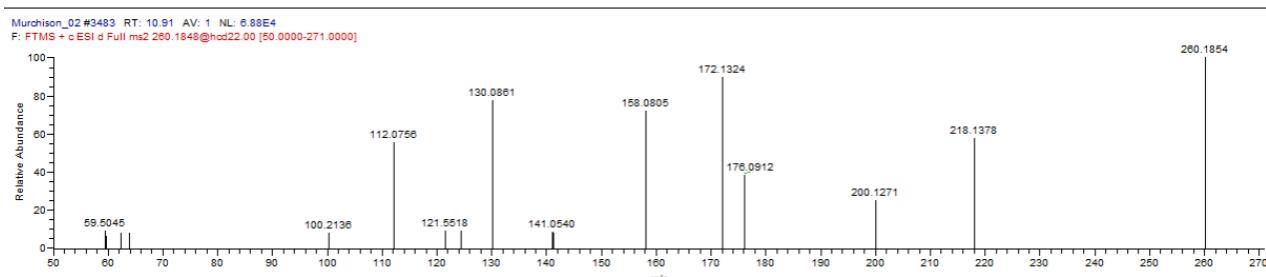
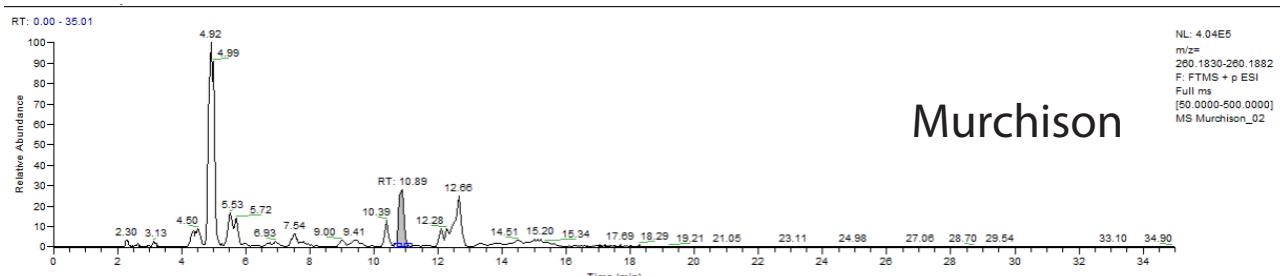


## Figure S1p. Tandem Mass Spectrometry (MS<sup>2</sup>) data for $\alpha$ -aminopimelic acid (as an isopropyl ester)

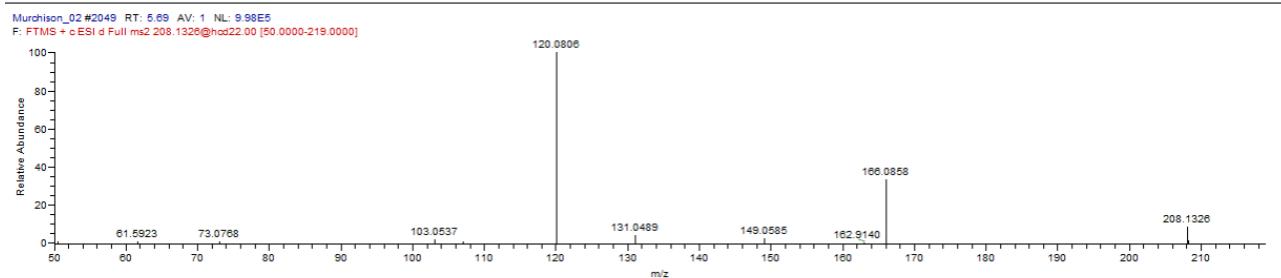
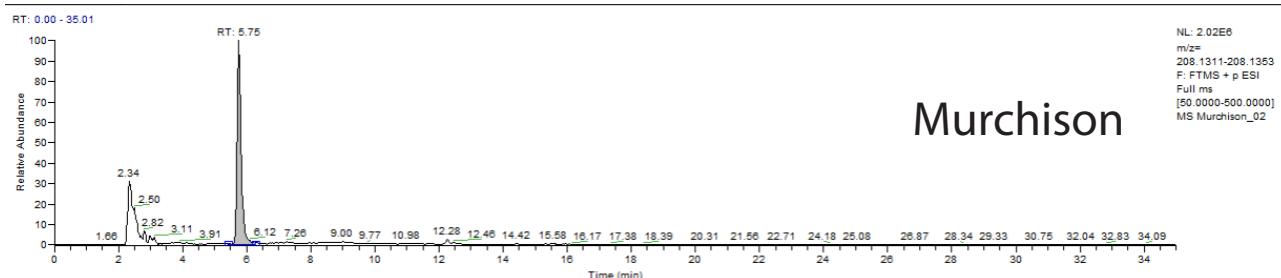
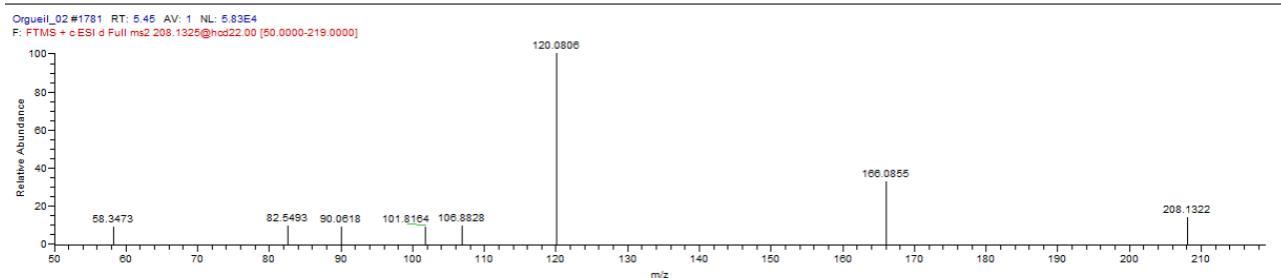
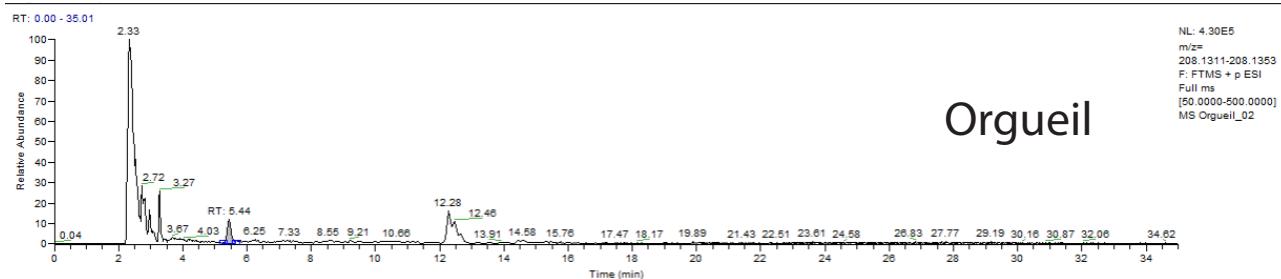
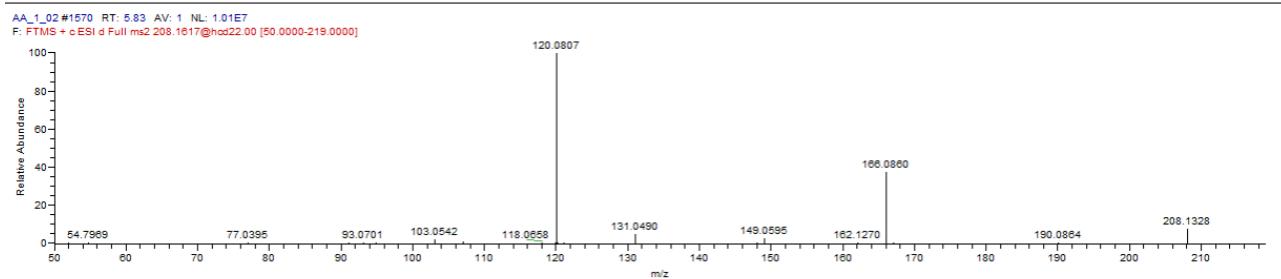
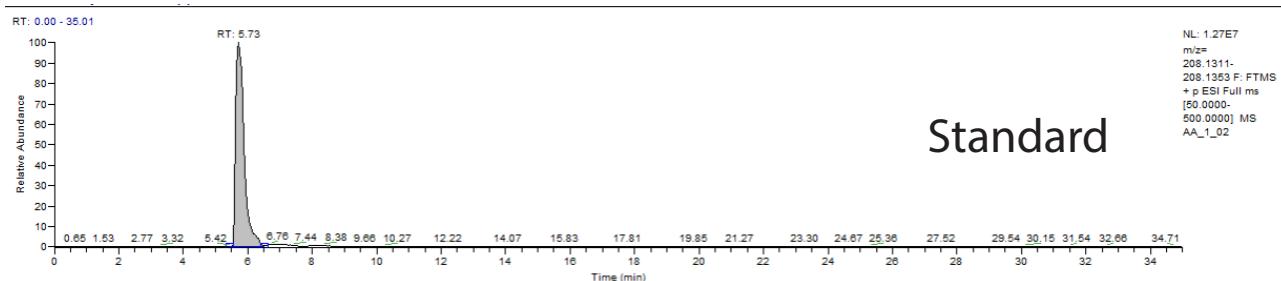


Orgueil

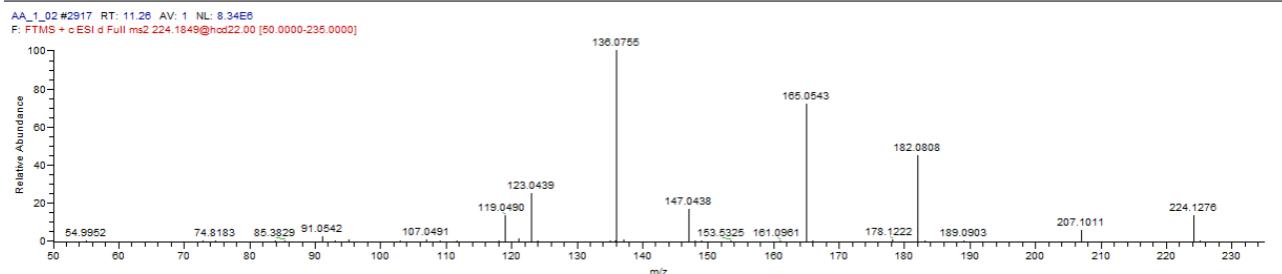
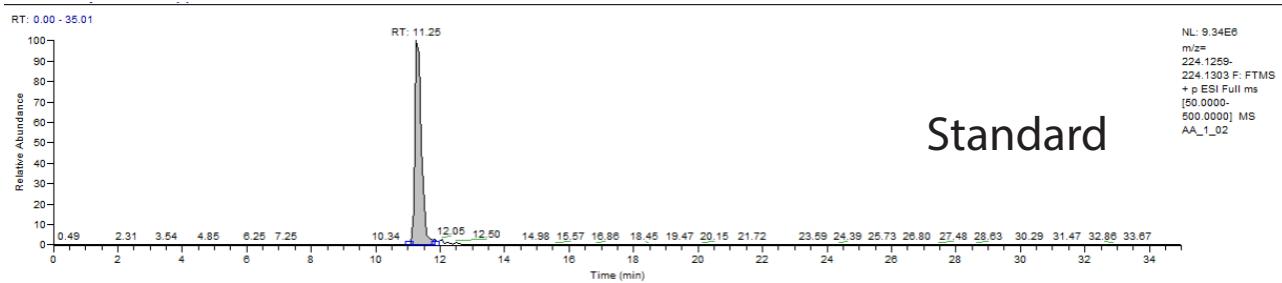
BDL



## Figure S1q. Tandem Mass Spectrometry (MS<sup>2</sup>) data for phenylalanine (as an isopropyl ester)



## Figure S1r. Tandem Mass Spectrometry (MS<sup>2</sup>) data for tyrosine (as an isoproyl ester)



Orgueil

No MS<sup>2</sup> data available

