

# Supplementary Materials: Thermal (In)stability of Atropine and Scopolamine in the GC-MS Inlet

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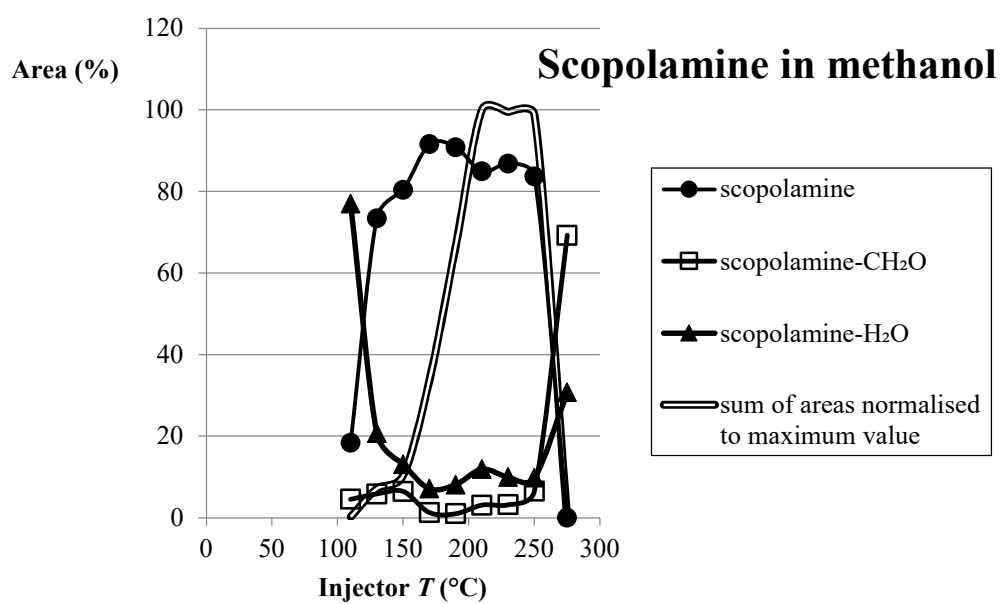
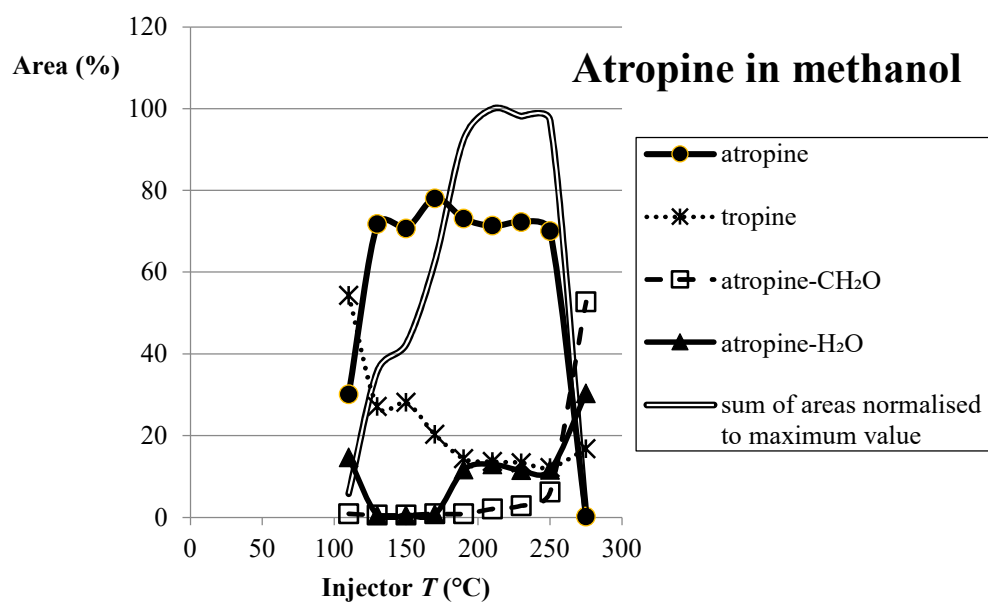
**Table S1.** Relation between sums of areas of particular tropane and main degradation products in different solvents at different injector  $T$ .

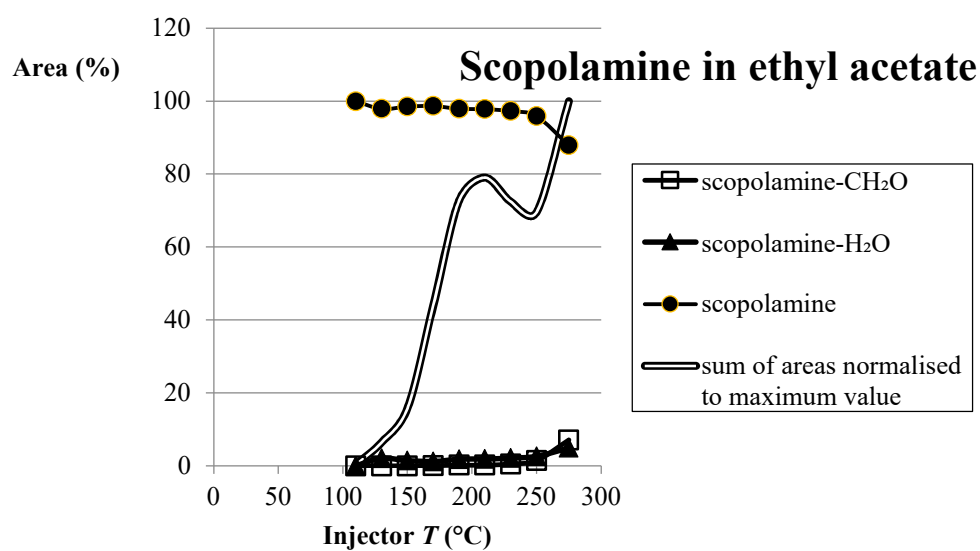
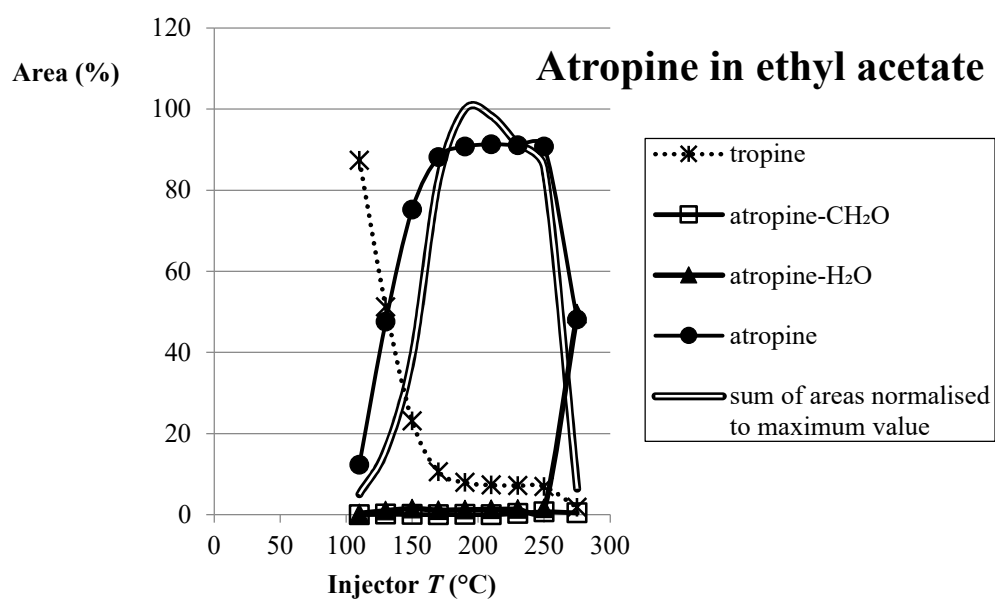
Relation between sums of areas of atropine and main products in different solvents at different injector  $T$ .

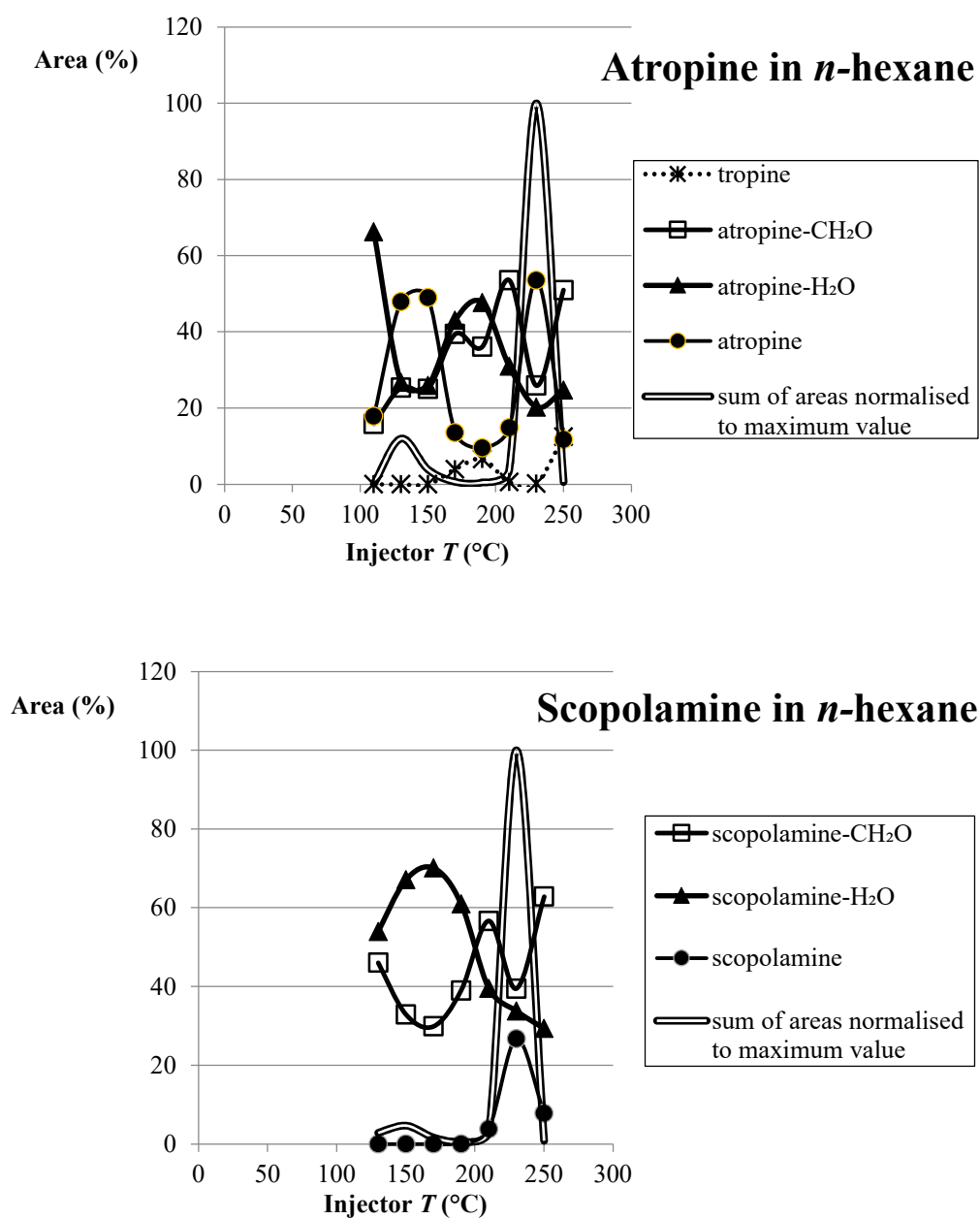
Injector $T$ (°C)	Areas in ethyl acetate/areas in methanol (%)	Areas in $n$ -hexane/areas in methanol (%)
110	0.035	0.005
130	0.018	0.119
150	0.037	0.004
170	0.053	0.000
190	0.043	0.000
210	0.039	0.002
230	0.037	0.005
250	0.035	0.000

Relation between sum of areas of scopolamine and main products in different solvents at different injector  $T$ .

Injector $T$ (°C)	Areas in ethyl acetate/areas in methanol (%)	Areas in $n$ -hexane/areas in methanol (%)
110	0.017	0.078
130	0.012	0.342
150	0.020	0.008
170	0.017	0.000
190	0.014	0.001
210	0.010	0.001
230	0.009	0.001
250	0.009	0.000







**Figure S1.** Influence of injector temperature on peak areas of atropine, scopolamine and their main products of thermolysis in three solvents: methanol, ethyl acetate and *n*-hexane.