Pro *EZLC* Chromatogram Modeler Demo

What is the Pro-EZLC Chromatogram Modeler?

- **Pro EZLC is an instrument-free, VIRTUAL LAB DRAWER for LC method development. It delivers a fast, no-cost starting point.**

- **Develop and optimize your methods without setting foot in the lab sacrificing valuable instrument uptime:**
  - improve data quality,
  - Improve laboratory efficiency,
  - Improve profitability

- **Allows Restek to offer an on-demand consultative customer experience with Restek LC columns.**

Pro-EZLC Modeler Capabilities

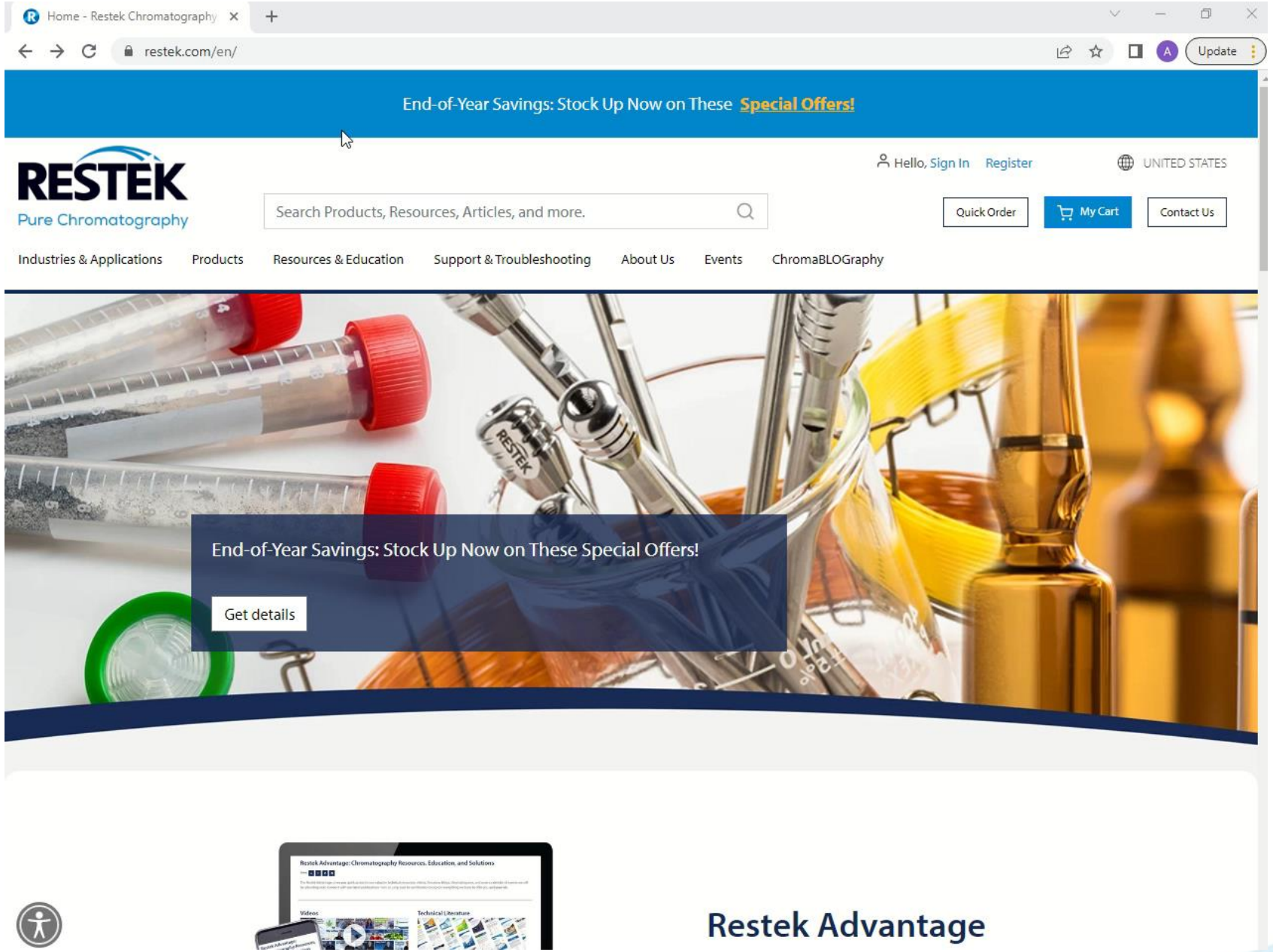
What is the scope/scale of the Pro-EZLC Modeler today?

- Drugs of Abuse Library (DOA), ~ 290 compounds
- Nitrosamines Library, 16 compounds
- 1.8/2.7/5.0 um particle platform (SPP)
- Multiple column dimensions
- Mass Spec detection
- Available in Japanese, Italian, French, English

What will the scope/scale of the Pro-EZLC Modeler be in a year?

- Add PFAS, Pesticides, Mycotoxins, etc.
- Add the FPP particle platform
- Add UV detection
- EZLC is being translated into 8 other languages in total. The last ones should be available in the next 1-2 months (to support our global customers)

Location?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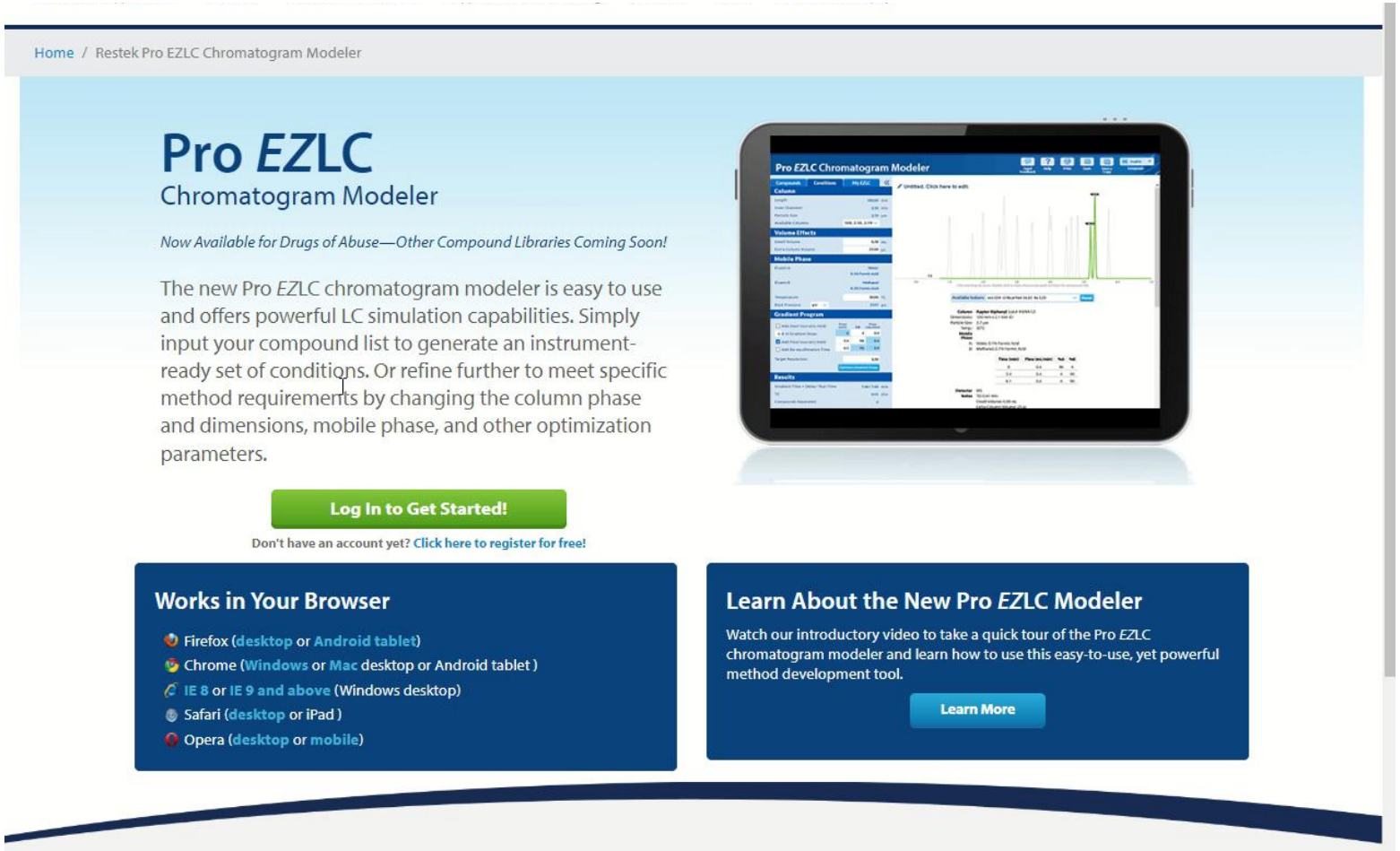
Need to register

Log In to Get Started!



Already registered

Generating a Model

RESTEK
Pure Chromatography

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Pro *EZLC*
Chromatogram Modeler

Now Available for Drugs of Abuse—Other Compound Libraries Coming Soon!

The new Pro *EZ*LC chromatogram modeler is easy to use and offers powerful LC simulation capabilities. Simply input your compound list to generate an instrument-ready set of conditions. Or refine further to meet specific method requirements by changing the column phase and dimensions, mobile phase, and other optimization parameters.

Log In to Get Started!

Don't have an account yet? Click here to register for free!

Works in Your Browser

- Firefox (desktop or Android tablet)
- Chrome (Windows or Mac desktop or Android tablet)
- IE 8 or IE 9 and above (Windows desktop)
- Safari (desktop or iPad)
- Opera (desktop or mobile)

Learn About the New Pro *EZ*LC Modeler

Watch our introductory video to take a quick tour of the Pro *EZ*LC chromatogram modeler and learn how to use this easy-to-use, yet powerful method development tool.

Learn More

Key Components

1. Three Important Tabs

1. Compounds
2. Conditions
3. My EZLC

2. Five Icons

1. Send Feedback
2. Help
3. Print
4. Save
5. Save a copy

3. Contact Us

1. 4 Ways

Compounds Tab

1. Search for compounds

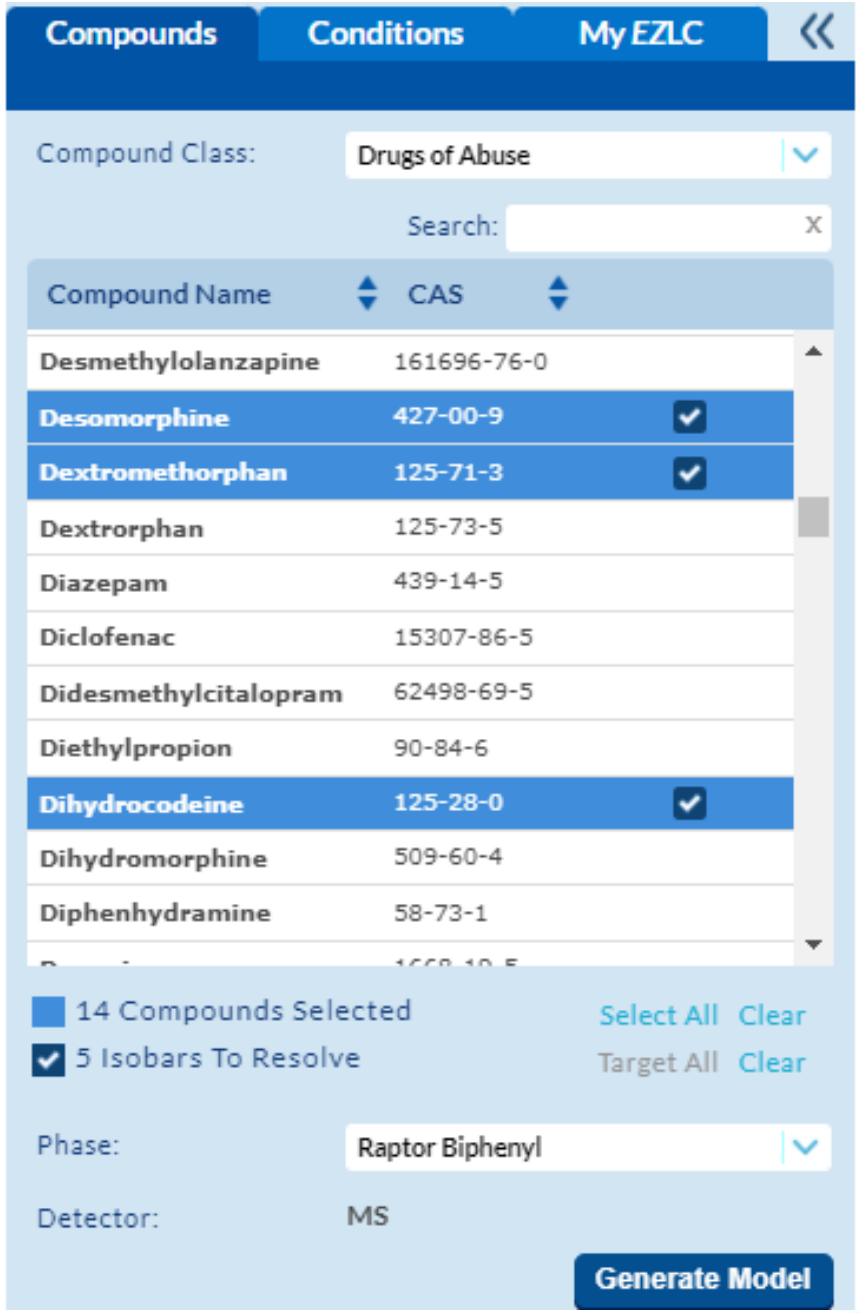
a. Scroll (alphabetical)
b. Typing name into *Search* bar
c. Typing CAS Number into *Search* bar

2. Determine Isobars

a. Shown by a white checkmark in a blue box

3. Select stationary phase

a. Raptor Biphenyl
b. Raptor C18



Conditions Tab

1. Column

a. Available Dimensions – (12)

2. Volume Effects

a. Dwell Volume (0-2 mL)

b. Extra-Column Volume (0 – 150 µL)

3. Mobile Phase

a. Mobile Phase A – Water

b. Mobile Phase B – Methanol or Acetonitrile

c. Temperature – (30 – 60 ºC)

4. Gradient Program

a. Initial Isocratic Hold

b. # of Gradient Steps – (3)

c. Final Isocratic Hold

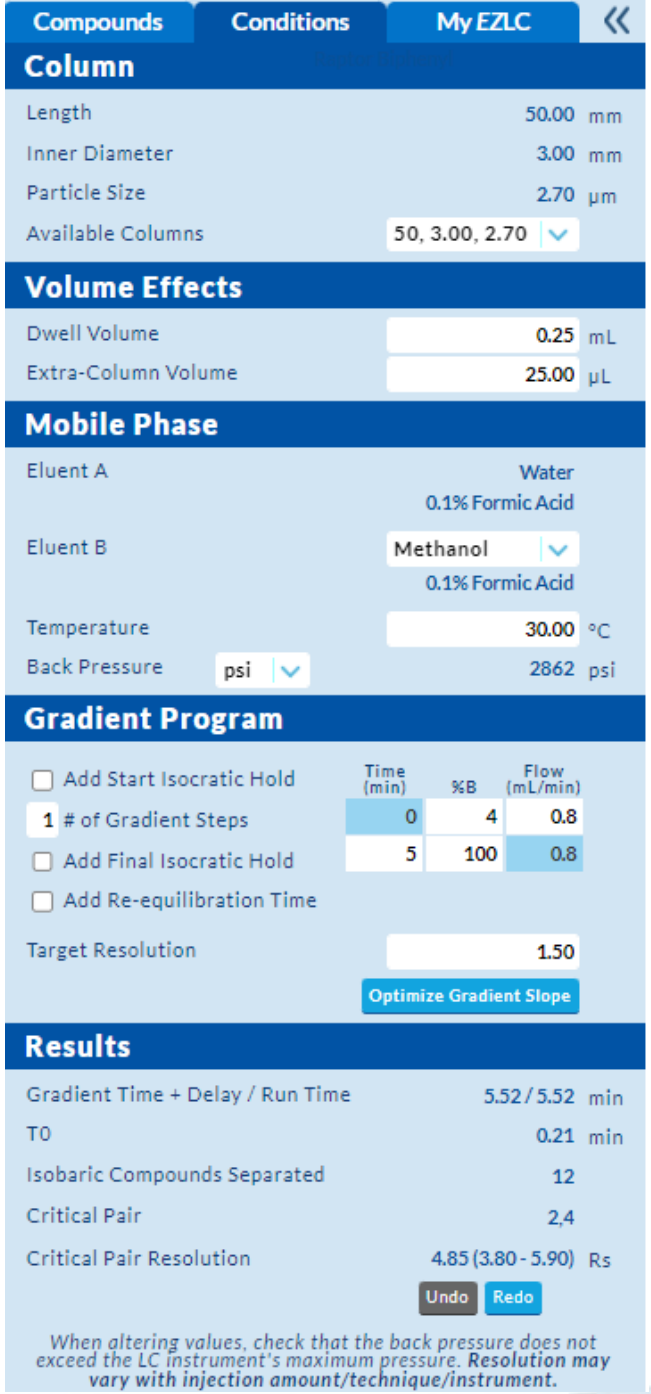
d. Re-equilibration Time

e. Target Resolution

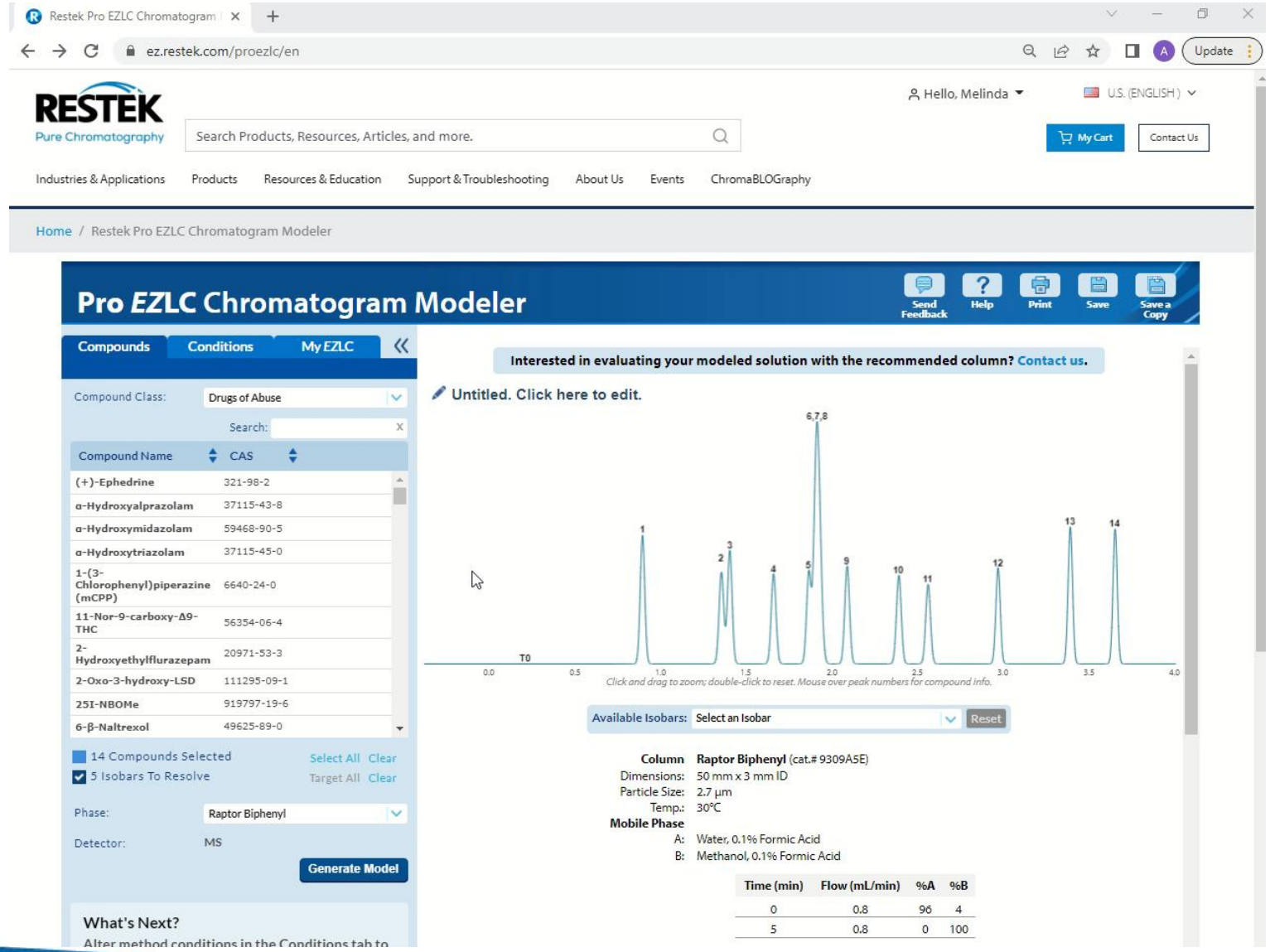
f. Optimize Gradient Slope

5. Results

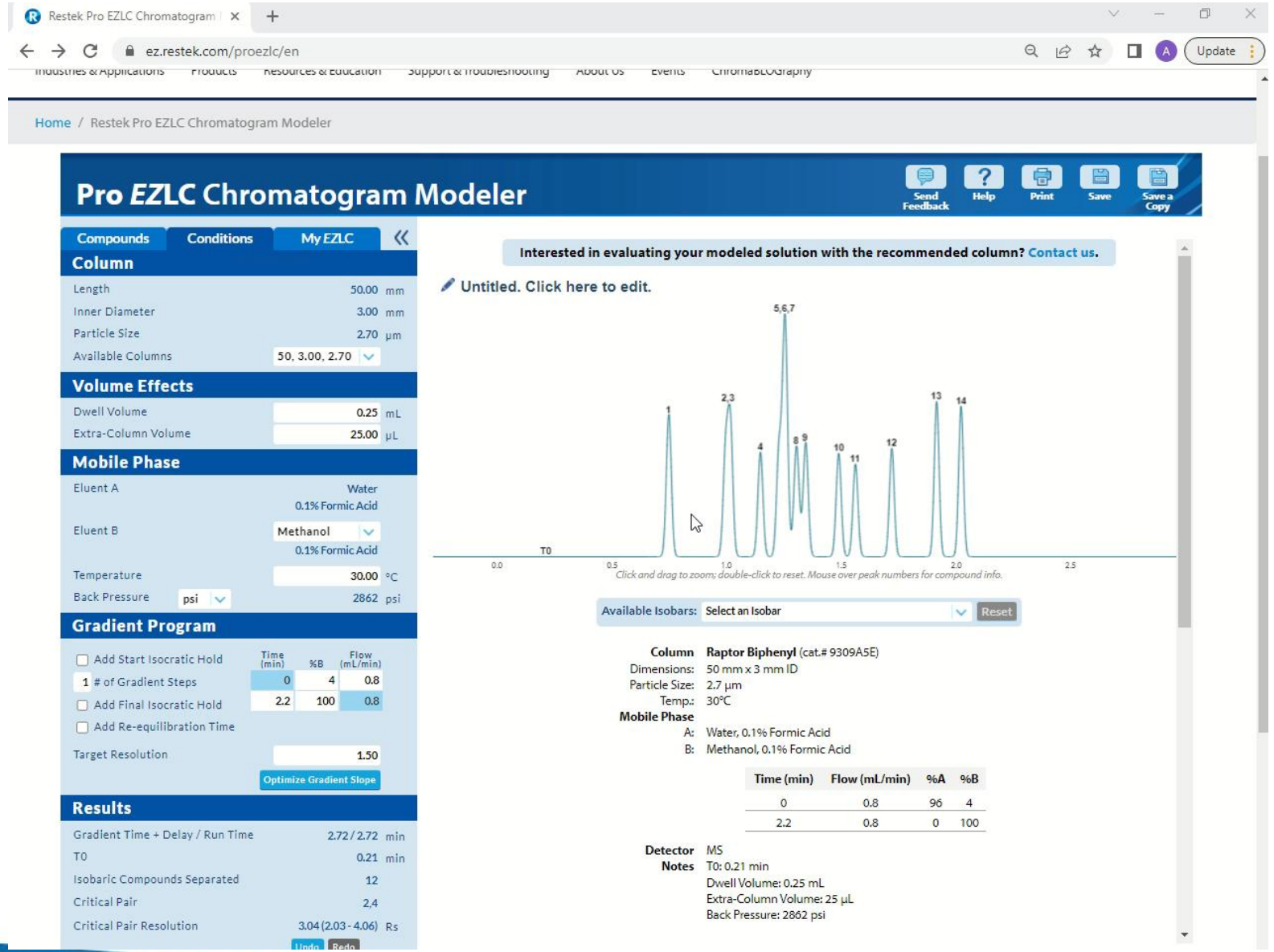
a. Undo/Redo



Optimizing A Model

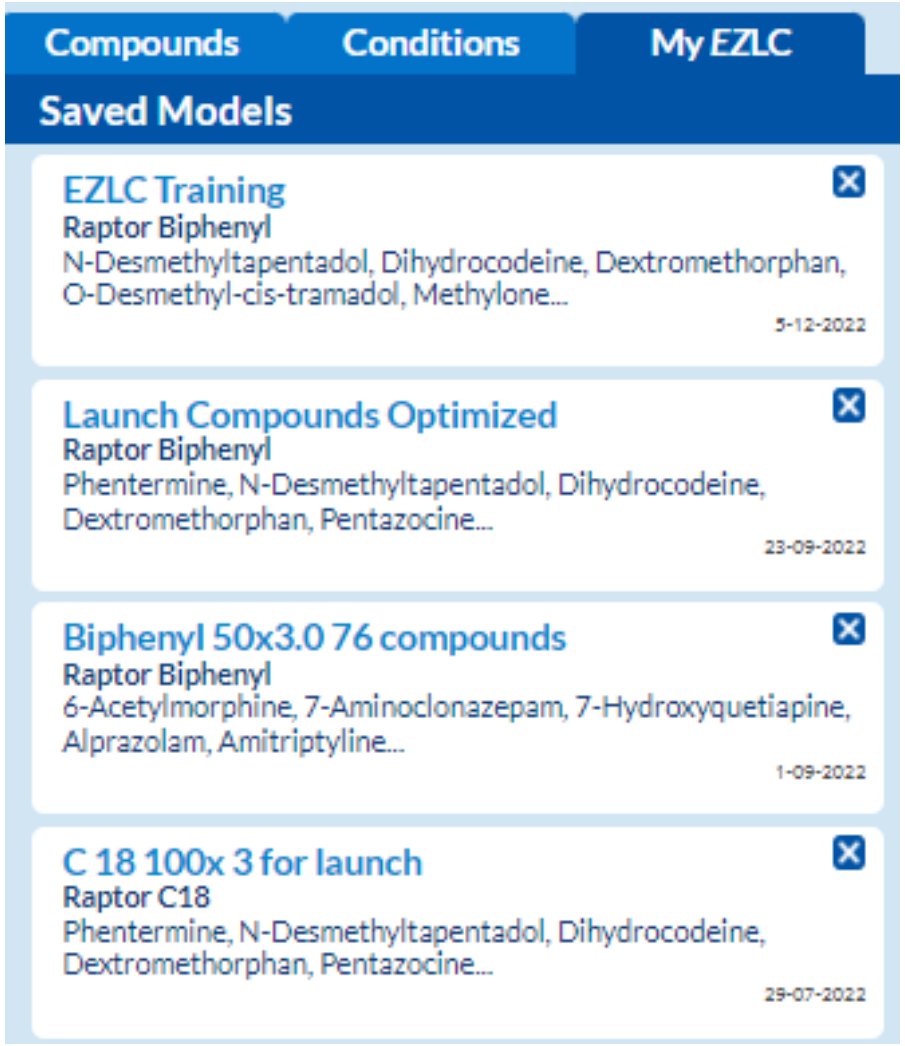


Saving a Model



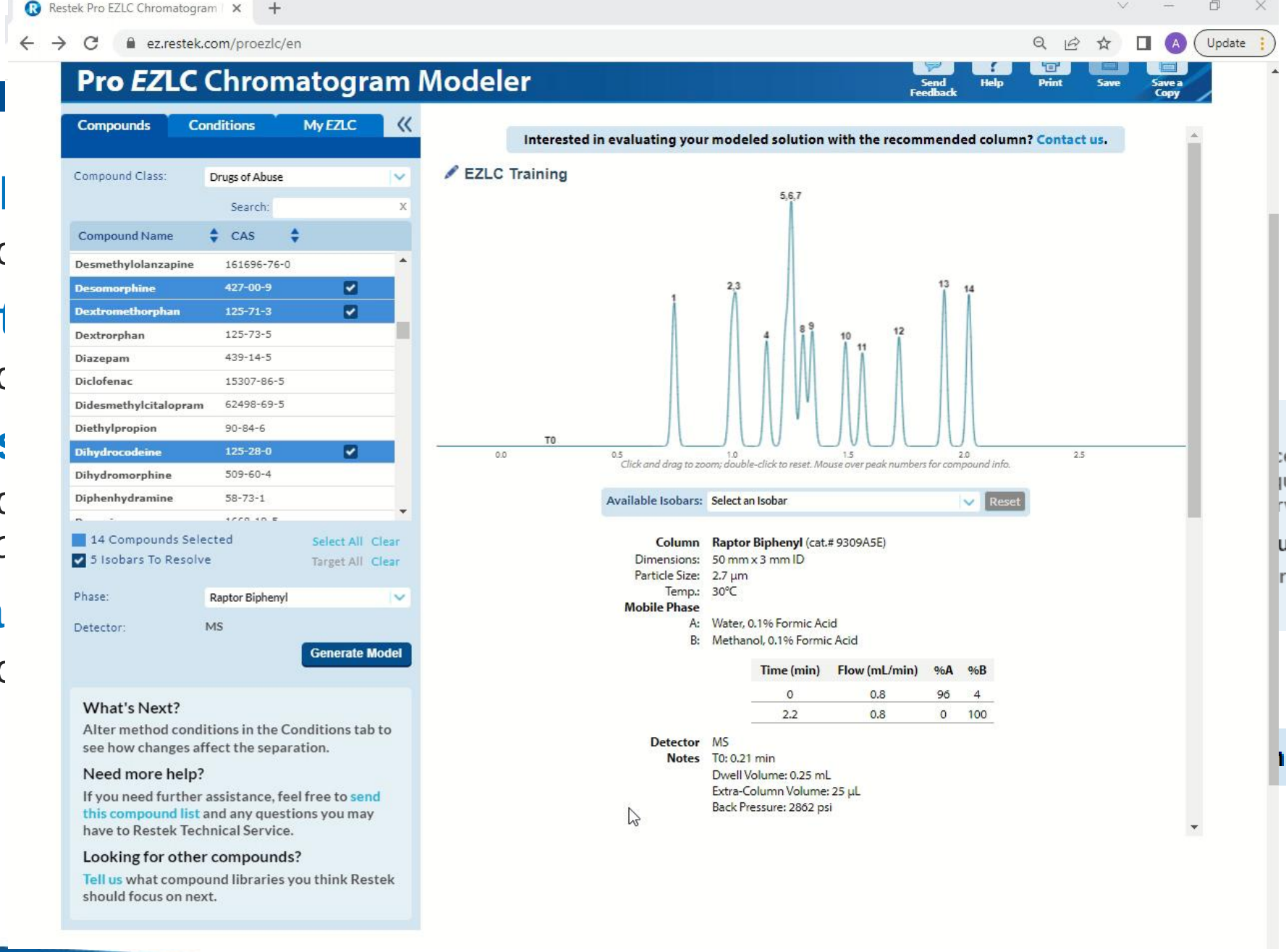
My *EZ*LC Tab

Saved Models



Contacti

1. **Send**
   a. Lo
2. **Send**
   a. Lo
3. **Tell Us**
   a. Lo
      co
4. **Conta**
   a. Lo



ce, feel free to send
questions you may
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unds?

ries you think Restek

? Contact us.

Cool Features

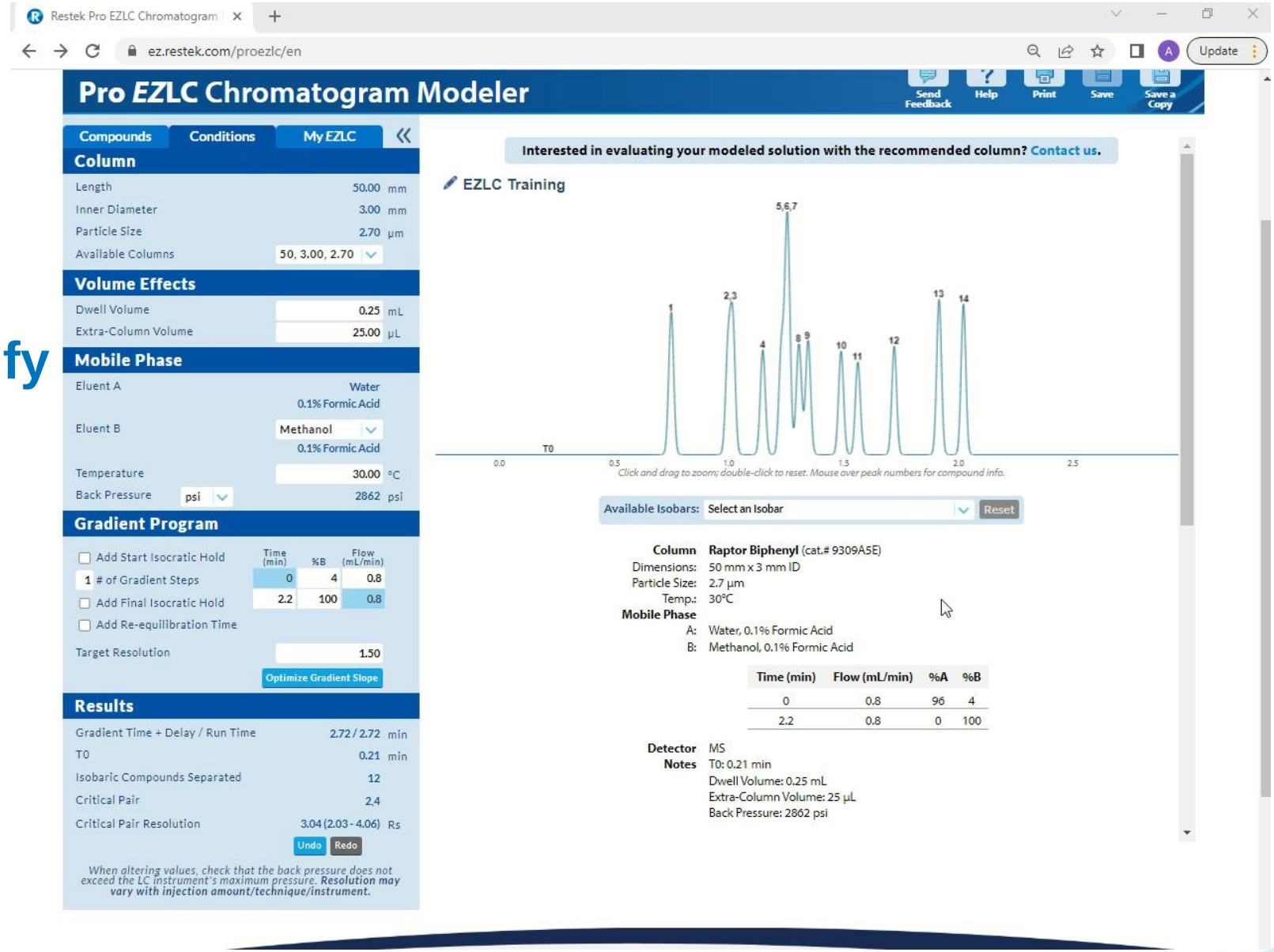
Model View

Zoom

Hovering over peaks to identify

Undo/Redo

View compound structures



Disadvantages

1. You cannot simulate matrix effects
2. You cannot simulate differences in concentration
3. You can only simluate known (measured by us) compounds…

What do you wish for next?

1. You cannot simulate matrix effects

2. You cannot simulate differences in concentration

3. **You can only simluate known (measured by us) compounds…**

   → **Which libraries would you be interested in next?**

   → **please FILL OUT our SURVEY!**

Beer, Beer, Alt…

When? TODAY, 4.30 pm

Where? Restek Booth No. 8

How? The RESTEK beer coaster is your invitation. ☺