# USING AND UPLOADING TO XCMS ONLINE

## WHAT IS XCMS ONLINE?

- A Cloud based graphical interface to xcms
- Allows for multiple types of job analysis
- Multiple statistical analysis on the back end
- Additional tools to interact with data from just xcms



#### Statistics

XCMS has a unique graphical user interface that allows users to dig

#### Systems Biology

XCMS allows users to perform pathway analyses directly from their

#### Metlin

A goal for all metabolomic experiments is to identify metabolites,

#### Your Personal Cloud

XCMS<sup>plus</sup> is a personal cloud for high throughput metabolomics

10550 North Torrey Pines Road BCC-007, La Jolla, CA 92037 USA - (858) 784-9415, Fax (858) 784-9496

### **New User Registration**

Note: All new users require e-mail verification. A verification e-mail will be sent to the e-mail address you provide. Please add "scripps.edu" and "xcmsonline@gmail.com" to your whitelist.

You can check your system compatibility with our System compatibility test

N.B.: TSRI users already have accounts (via LDAP).

First Name

Last (Family) Name

Organization

Email

**Password** 

Re-enter password



#### This will be your permanent email address to be used for:

- registration
- password resets
- · job alerts (errors, completed)
- · technical support
- · system notifications (e.g. maintenance)



Enter code above

Participate in anonymous usage statistics (View Details)

Register

#### View Jobs





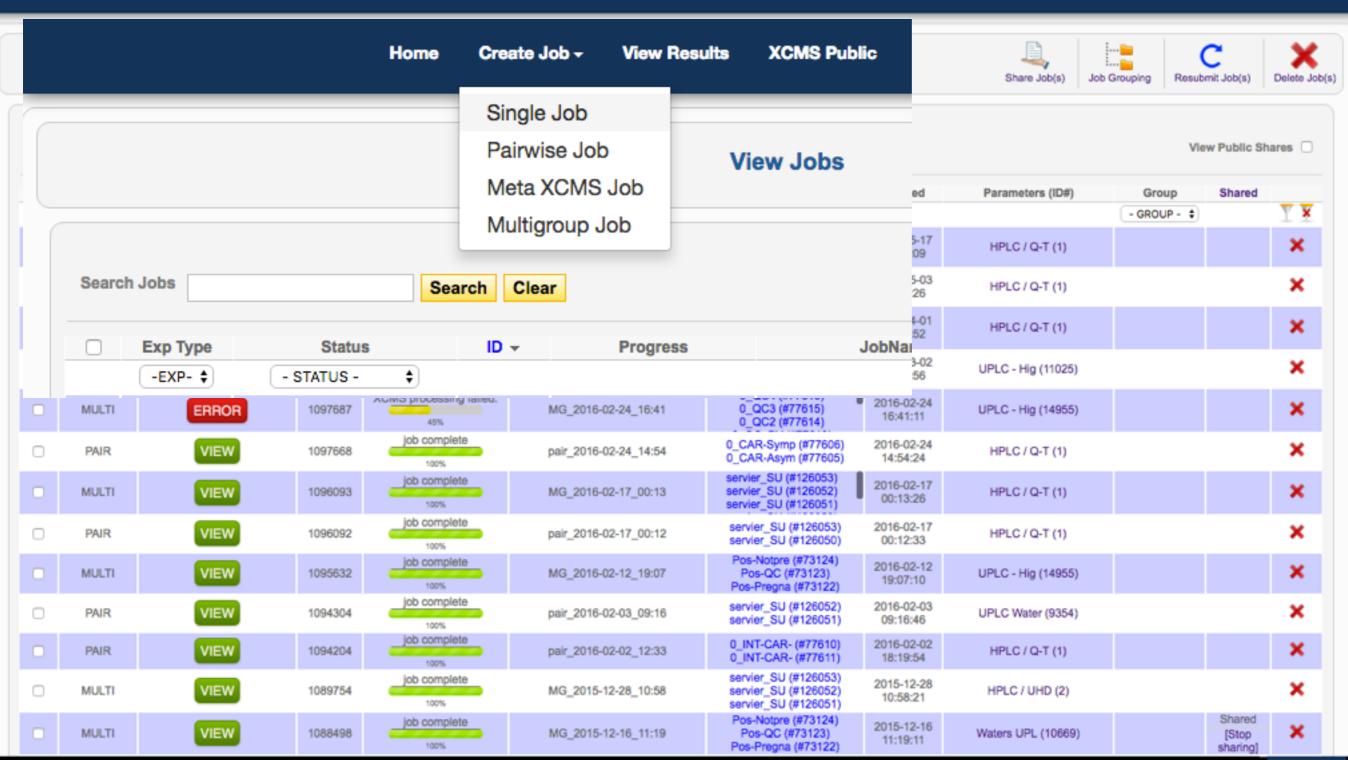




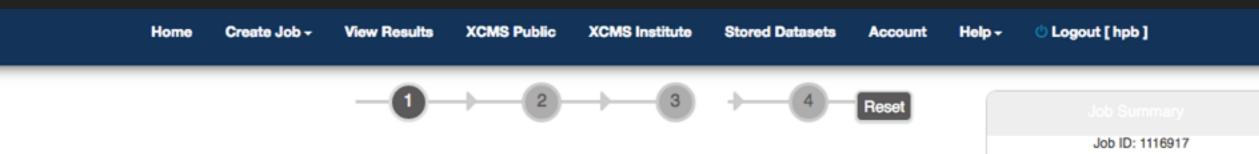
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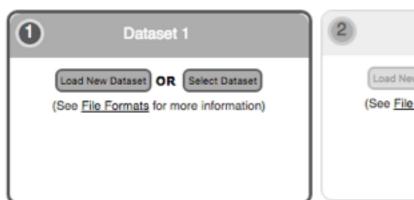
Pos-Pregna (#73122)

sharing]



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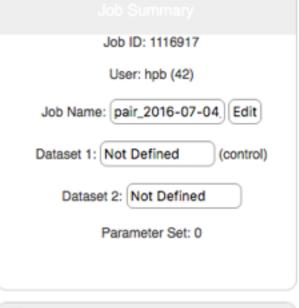


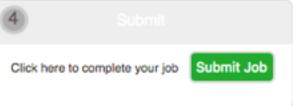


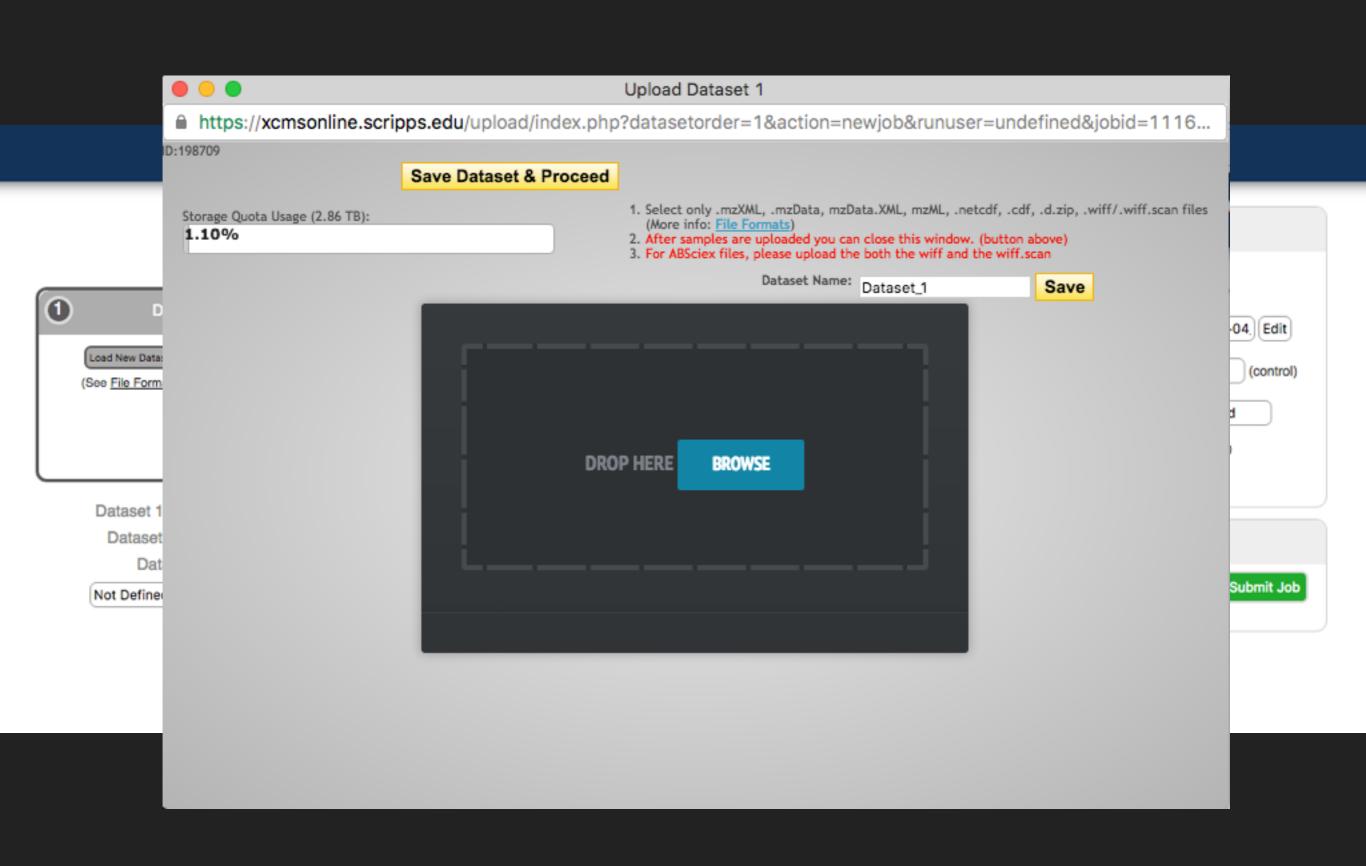


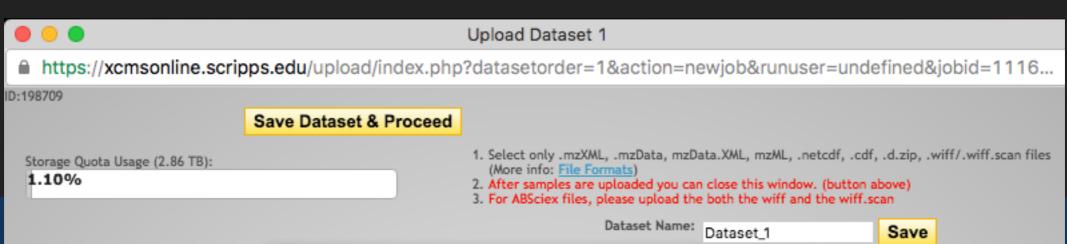








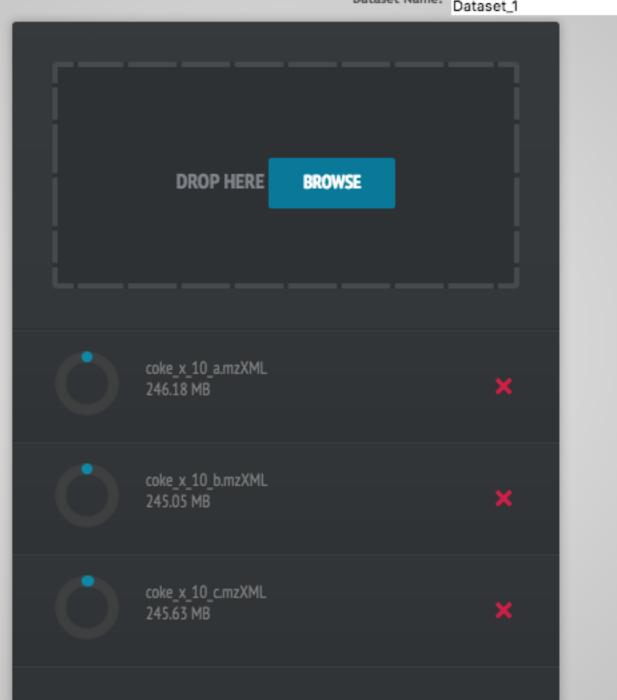






Dataset 1 ID Dataset 1 Datase

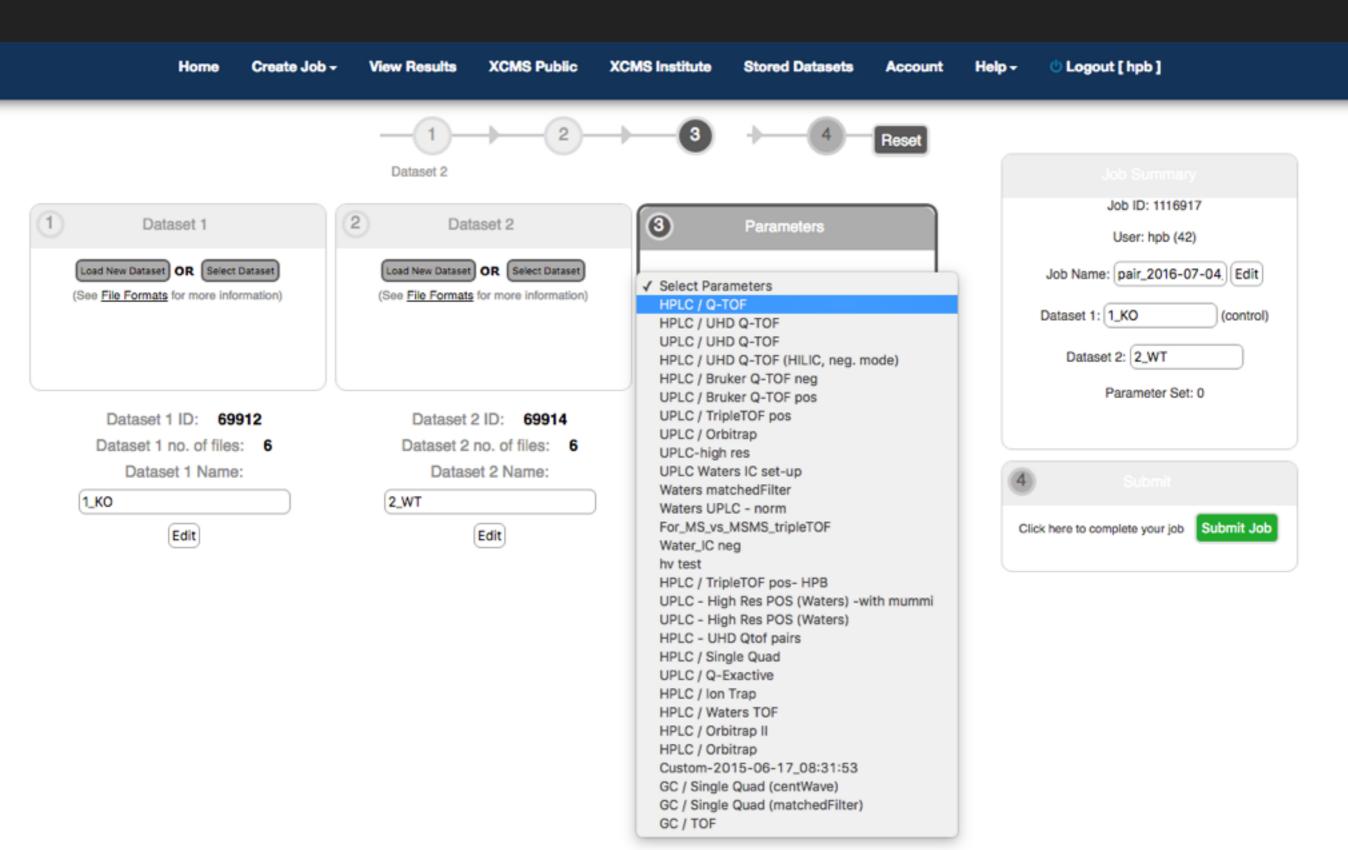
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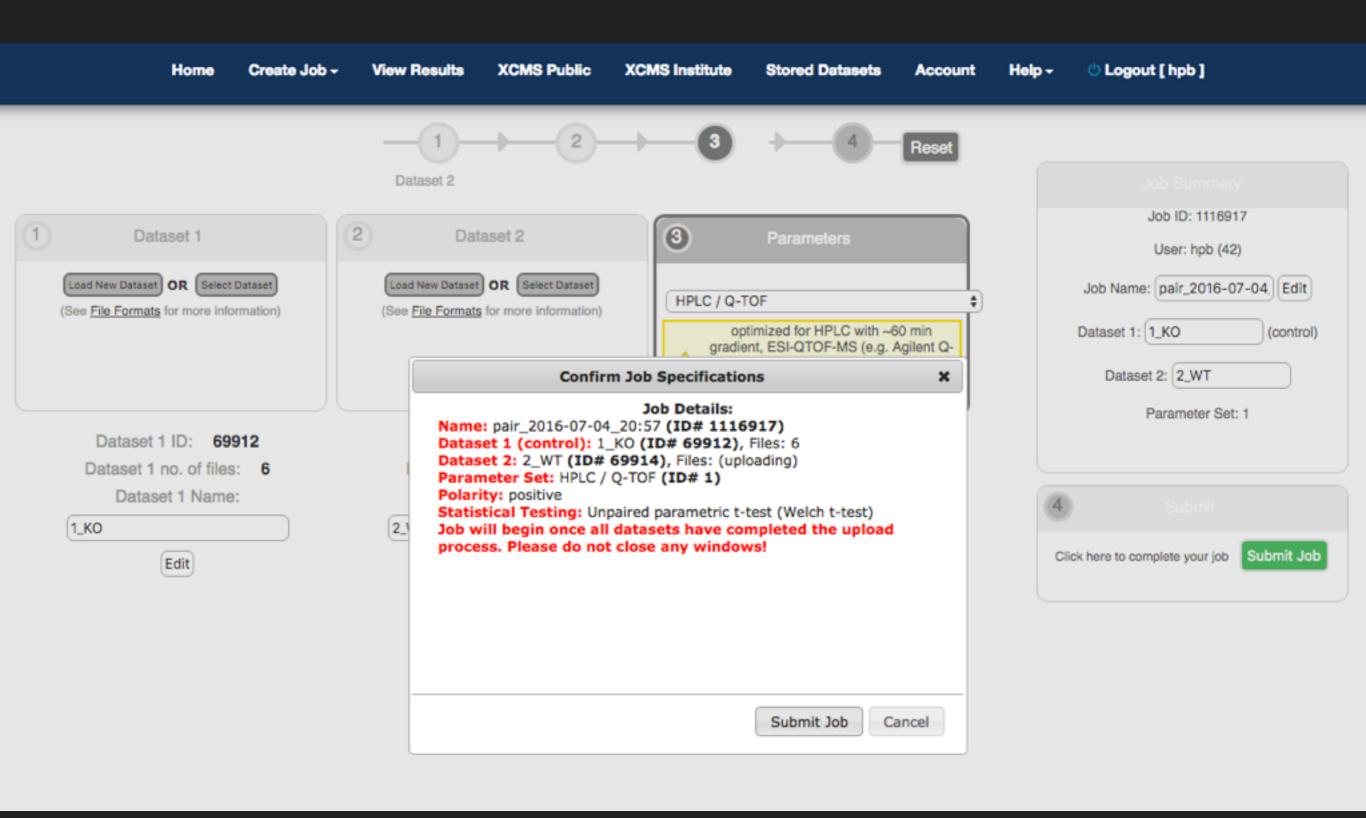


4. Edit

(control)

ıbmit Job







#### You recently submitted job (#1116917) on XCMS Online.

Hi Hpb,

We started processing your recently submitted job with the following details:

Job Name: pair\_2016-07-04\_20:57

Create Date: 2016-07-04 20:57:31 (Server Timezone)

Experiment Type: Pairwise Comparison
Parameter Name: HPLC / Q-TOF (#1)

Polarity: positive

Datasets: 1\_KO (control)

2 WT

If these are not the correct parameters for this job, please log in to XCMS Online (%FORMS\_RETURN\_URL%) to cancel this job. Otherwise you do not have to take any other action; the system will continue processing.

We will send another e-mail if an error occurs or when this job is finished.

If you have any questions about this job you may contact the system administrator at xcmsonline@gmail.com.

XCMS Online Administrators say:

Computer Source IP: 137.131.17.212

Regards, XCMS Online Administrator xcmsonline@scripps.edu

**View Results Stored Datasets** Logout [ hpb ] Create Job -**XCMS Public** 

## Pairwise Results Summary: Coke vs. Pepsi (#114247)

**Download Results** 

hash: Not Available

colus\_x\_10\_a colus\_x\_10\_b colus\_x\_10\_c pepsi\_x\_10\_a pepsi\_x\_10\_b pepsi\_x\_10\_c

Submit Date	Finish Date	Paired Samples	Total Aligned Features	Parameter ID#	Log	Shared
2013-04-01 17:04:44	2013-04-01 17:29:53	False	4352	HPLC / Q-TOF (2) (2919)	View Log	NOT SHARED

#### The finished job has the following notes:

2013-04-01 17:27:11: There are regions with poor chromatographic resolution. Feature annotations (CAMERA) were omitted for these regions.

Citation Links

View Results Table

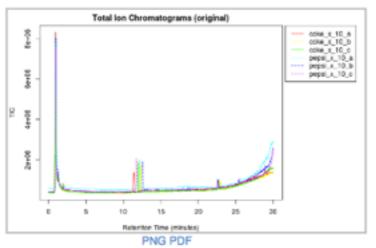
View Interactive Cloud Plot

View Interactive Heatmap

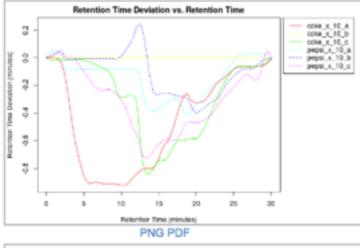
View iPCA

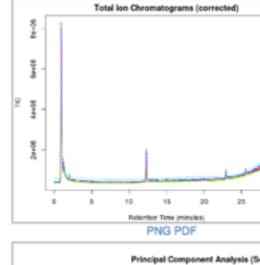
#### **Datasets Used**

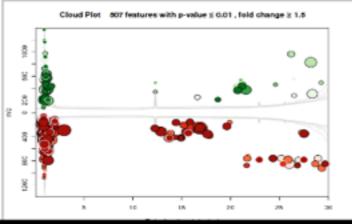
- Coke (1505) \*
- Pepsi (1507)

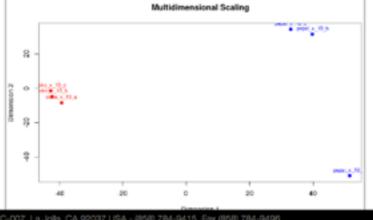


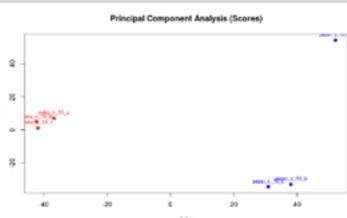












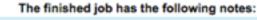
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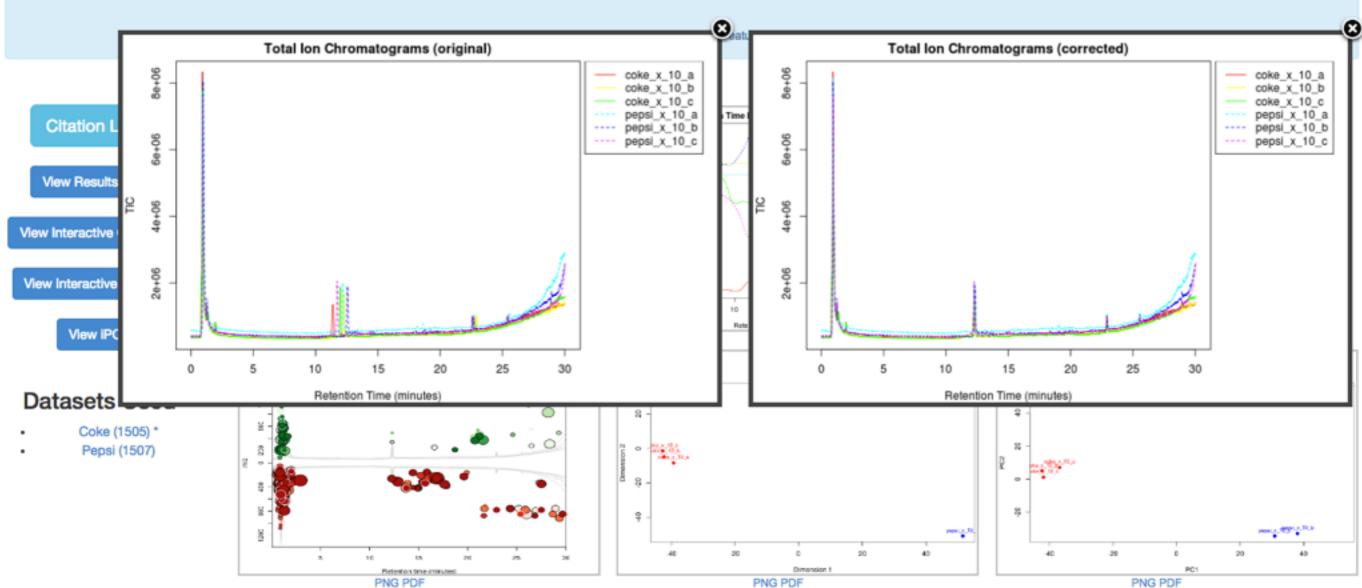
fome Create Job - View Results XCMS Public XCMS Institute Stored Datasets Account Help - U Logout [hpb]

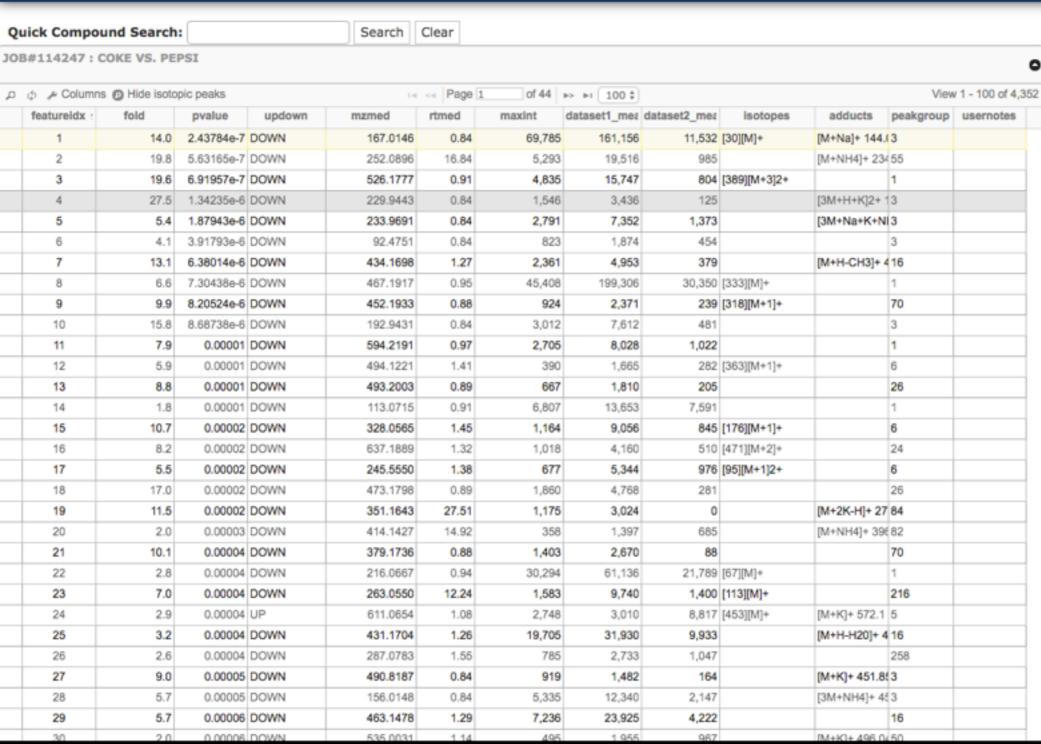
## Pairwise Results Summary: Coke vs. Pepsi (#114247)

hash: Not Available



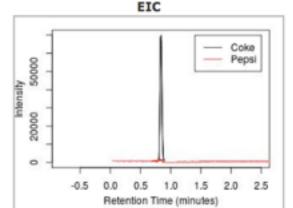


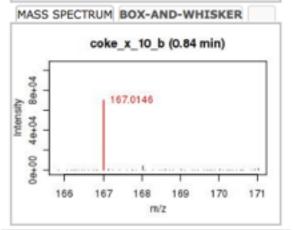




#### Please click on a row to view feature details

Feature #1 m/z: 167.0146 Retention Time (min): 0.84





PPM	Name	Adduct	COMPOSI
2	N,N'-bis(2-chloroethyl	M+H-H2O	648
20	3,4-Dihydroxy-2-butar	M+H-H2O	63860

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# **NEW STREAMING SOFTWARE**

× XCMS Cascade				A. Proper Woman W.	X		
File Connect Job H	Help						
Email Address	test		Run Type	Online ▼			
Password	******		Machine Type	AB-Sciex ▼			
URL	https://xcmsonline3.scripps.edu/		Job Type	Single ▼			
Local Directory	C:\src-data-streaming-folder-2		Job Parameters	1:HPLC / Q-TOF ▼	Refresh		
XOCloud Directory			#Valid Data	1 •			
Accided Directory	C:\dst-data-streaming-folder		File Check Timeout	1 •			
			Post Run Timeout	5 🔻			
			Add New File Mask	Add			
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			GIG_* URA_* VNG_* C1C_*	>			
			C1C_* B1B_* A1A_*	<			
10.54.00 AM : 7007. 7							
10:54:20 AM - json: 72977 10:54:20 AM - json: 72988 10:54:20 AM - json: 72999					Î		
10:54:20 AM - json: 730110 10:54:20 AM - json: 730211 10:54:20 AM - json: 730312							
10:54:20 AM - json: 4573aa1					■ -		
Version: 1.0.0b00   Compile Date: 6/13/2016 10:54:10 AM   User ID: 16   Job ID   Status: Logged In							

# THE NEW UPLOADER

