

Validation Review

Procedure Performance check Agilent 7890/5977B GC/MS
CN16483022 / us1648M028

Check the appropriate box: New Validation ☐ Modification ☐ Performance Check ☒

Sign and Date to indicate your acceptance of the procedure/instrument:

Examiner (if applicable) Kela Jackson Date 3/10/17

Unit Supervisor Glenn B. Eucett Date 3-10-17

Technical Leader (if different than Supervisor) Glenn B. Eucett Date 3-10-17

Crime Laboratory Regional Supervisor Jennifer Hall Date 3-15-17

Quality Assurance Manager Cheryl D. [Signature] Date 03/12/17

*All information must be submitted to the Quality Assurance Manager prior to the implementation of the procedure/instrument. If all technical staff training has not been completed, please include a proposed training plan and completion schedule.

Tennessee Bureau of Investigation

Forensic Chemistry Unit Performance Check (Kenny)

Gas Chromatography/ Mass Spectrometry Methods		Gas Chromatography Methods	
<i>Manual Injection</i>	<i>Auto-sample Injection</i>	<i>Manual Injection</i>	<i>Auto-sample injection</i>
MSDRUGS60	ASMSDRUGS60	GC100	ASGC100
MSDRUGSTI	ASMSDRUGSTI	GC200	ASGC200
MS280ISO	ASMS280ISO	GC150ISO	ASGC150ISO
MS100TR	ASMS100TR	GC280ISO	ASGC280ISO
MS200TR	ASMS200TR	GC280ISOTI	ASGC280ISOTI
MSDRUGS100	ASMSDRUGS100		
MSDRUGS200	ASMSDRUGS200		

Validation Study for GC and MS Methods on the Gas Chromatography Mass Spectrometer

Nashville Lab

March 2017

1. Introduction

The purpose of the validation study is to verify the performance of forensic chemistry drug identification on a new instrument. This study will verify the instrument and methods performance and accuracy of identifications by comparative analysis using a method with the same parameters as the methods to be verified. These existing methods are currently used for case analysis.

2. Objectives

- a. Demonstrate the operation of flame ionization detector and the accuracy of flame ionization chromatograph obtained using existing methods.
- b. Demonstrate the ability of the gas chromatograph / flame ionization detector to separate a mixture of known substances for the purposes of retention time comparisons.
- c. Demonstrate the operation of the gas chromatograph mass spectrometer and the accuracy of chromatographs and spectrum obtained using current methods.

3. Setup and Procedures

Forensic chemistry mass spectrometer identification methods were applied with the same parameters as the current methods previously validated. Two separate standard mixes were run using these methods; one containing amphetamine, phentermine, and methamphetamine and the other containing cocaine, hydrocodone, and pethidine. An AB-Chiminaca standard as well as a Testosterone standard mix composed of Testosterone acetate, Testosterone Benzoate, Testosterone Isocaproate, and Testosterone undecanoate were also run on the methods with longer run times. The spectra from these samples were compared to spectra obtained using the currently used methods and /or spectra found in the Instrumental Data for Drug Analysis, Third Edition.

4. Results and Conclusion

The reference standard mixes were injected on the instrument. It was determined that all methods performed as expected in comparison to the similar methods previously validated. As expected, some methods did not yield results. This was due to the type of compound being analyzed in relationship to the run time of the method. The new method spectra was compared to the spectra generated using the existing similar methods and to the literature standard references of mass spectra data.

5. Training and Competency

The instrument used for the methods is configured the same as the other existing instruments in the laboratory. There are no significant changes in instrumentation that would warrant an initial demonstration of proficiency for these methods. No additional

samples will be analyzed for personnel training because the methods were also checked on the other instruments currently in use.

Outline of Methods

Gas Chromatography /Mass Spectrometry methods

Manual Injection	
MSDRUGS100	100-280°C for 10 minutes
MSDRUGS200	200-280°C for 10 minutes
MSDRUGS60	60-280°C for 10 minutes
MSDRUGSTI	100-280°C for 30 minutes
MS280ISO	280°C isothermal for 20 minutes
MS100TR	100-280°C for 6 minutes
MS200TR	200-280°C for 6 minutes
MSISO280WASH	280°C for 5 minutes (Wash method only)
Auto-sample Injection	
ASMSDRUGS100	100-280°C for 10 minutes
ASMSDRUGS200	200-280°C for 10 minutes
ASMSDRUGS60	60-280°C for 10 minutes
ASMSDRUGSTI	100-280°C for 30 minutes
AMS280ISO	280°C isothermal for 20 minutes
ASMS100TR	100-280°C for 6 minutes
ASMS200TR	200-280°C for 6 minutes
ASMSISO280WASH	280°C for 5 minutes (Wash method only)

Gas Chromatography Methods

Manual Injection	
GC100	100-280°C for 10 minutes
GC200	200-280°C for 10 minutes
GC150ISO	150°C for 10 minutes
GC280ISO	280°C Isothermal for 10 minutes
GC280ISOTI	280°C isothermal for 30 minutes
GC280ISOWASH	280°C for 5 minutes (Wash method only)
Auto-sample Injection	
ASGC100	100-280°C for 10 minutes
ASGC200	200-280°C for 10 minutes
ASGC150ISO	150°C for 10 minutes
ASGC280ISO	280°C Isothermal for 10 minutes
ASGC280ISOTI	280°C isothermal for 30 minutes
ASGC280ISOWASH	280°C for 5 minutes (Wash method only)

* Pages with expanded views of peaks are notated by highlighter

Reagents

Amphetamine, Methamphetamine, Phentermine Standard (AMP)

Exp. 12/23/17

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
Amphetamine	K & K	83567
Methamphetamine	K & K	732A
Phentermine	Sigma	47H0208

Pethidine, Cocaine, Hydrocodone Standard (PCH)

Exp. 2/4/17

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
Pethidine	S.B. Penick	413NMN-027
Cocaine	Sigma	50k1124
Hydrocodone	Merck	V1526

Pethidine, Cocaine, Hydrocodone Standard (PCH)

Exp. 2/3/18

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
Pethidine	S.B. Penick	413NMN-027
Cocaine	Sigma	50k1124
Hydrocodone	Merck	V1526

AB-Chiminaca

Exp. 10/3/17

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
AB-Chiminaca	Cayman Chemical	0455353-36

Testosterone Standard mix

Exp. 3/6/18

<u>Standard</u>	<u>Manufacturer</u>	<u>Lot number</u>
Testosterone Acetate	Sigma	19F0299
Testosterone Benzoate	Sigma	49F0246
Testosterone Isocaproate	Steraloids	L1563
Testosterone Undecanoate	Steraloids	1B0155

KENNY Summary: ASGCMS comparisons

Methods							
<u>Compounds</u>	ASMSDRUGS60	ASMS100TR	ASMSDRUGS100	ASMS200TR	ASMSDRUGS200	ASMSDRUGSTI	ASMS280ISO
Amphetamine	+	+	+	/	/	+	/
Phentermine	+	+	+	/	/	+	/
Methamphetamine	+	+	+	/	/	+	/
Pethidine		+	+	+	+	+	-
Cocaine		+	+	+	+	+	-
Hydrocodone		+	+	+	+	+	-
AB-Chiminaca	/	/	/	/	/	/	+
Testosterone Acetate	/	/	/	/	/	/	+
Testosterone Propionate	/	/	/	/	/	/	+
Testosterone Benzoate	/	/	/	/	/	/	+
Testosterone Undecanoate	/	/	/	/	/	/	+

/ = Compounds not run on method

+ = Compounds present

- = Compounds absent

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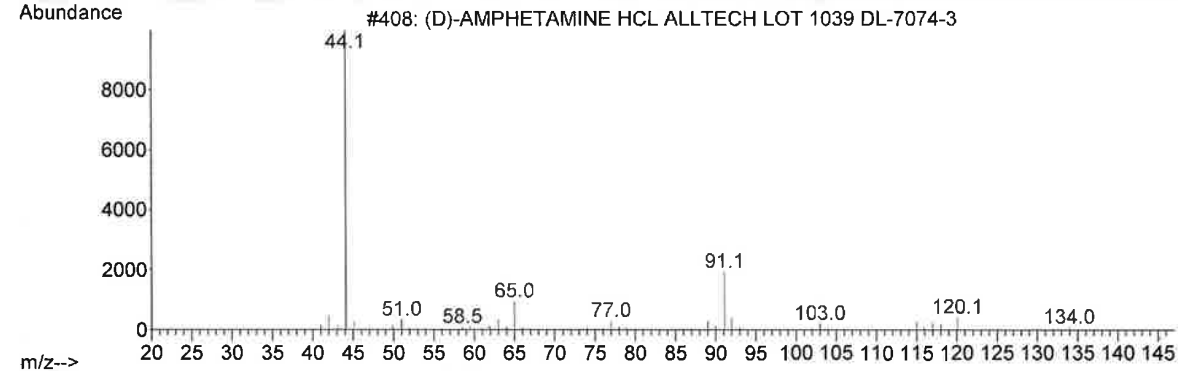
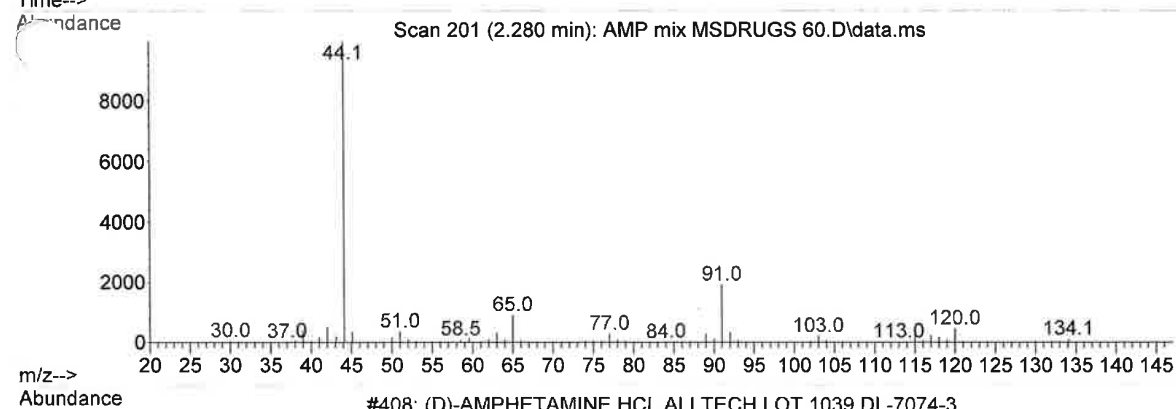
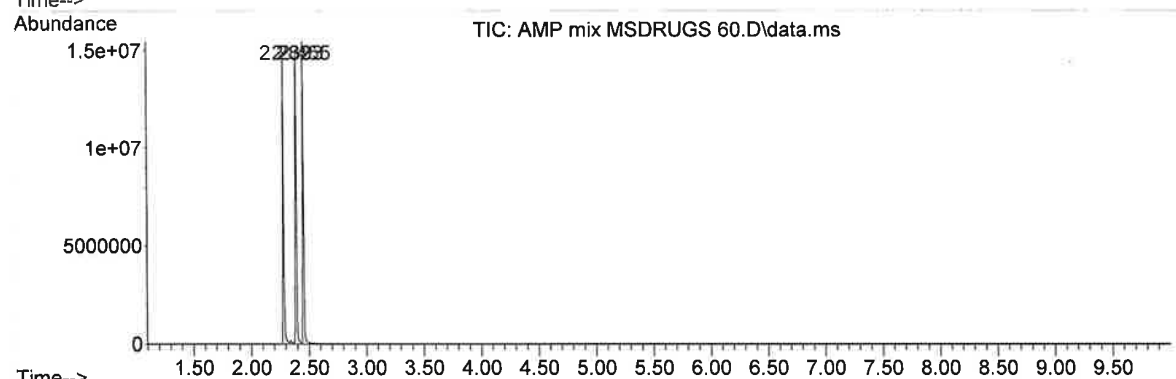
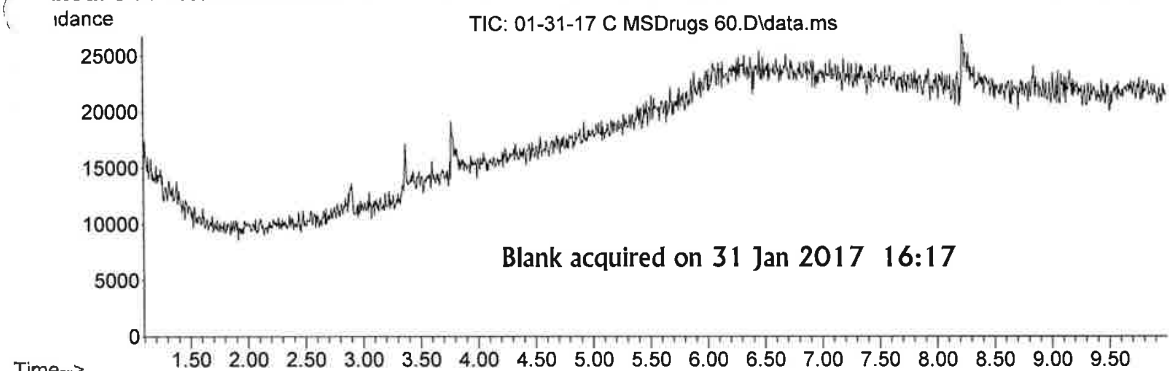
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Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 31 Jan 2017 16:31 in vial #

Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 60-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

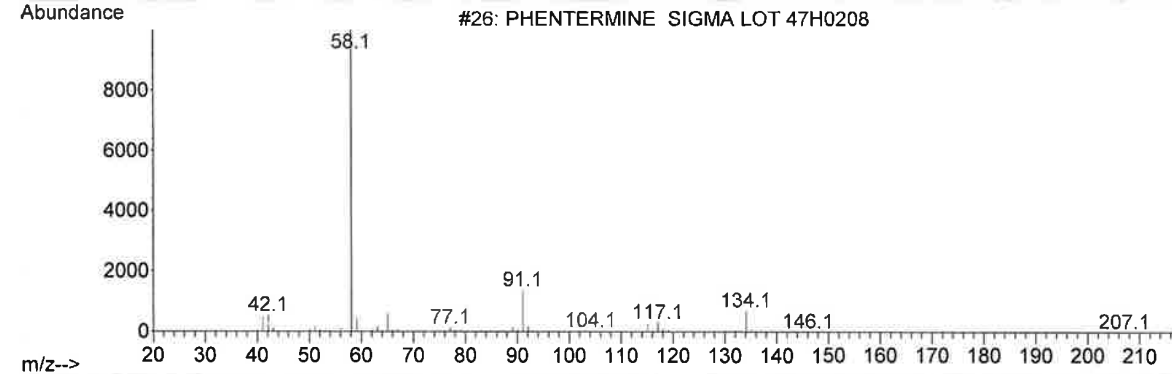
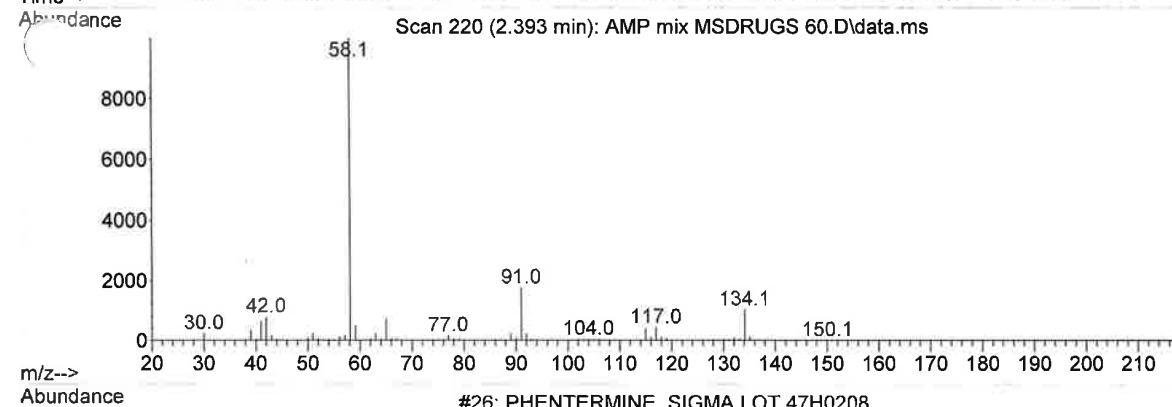
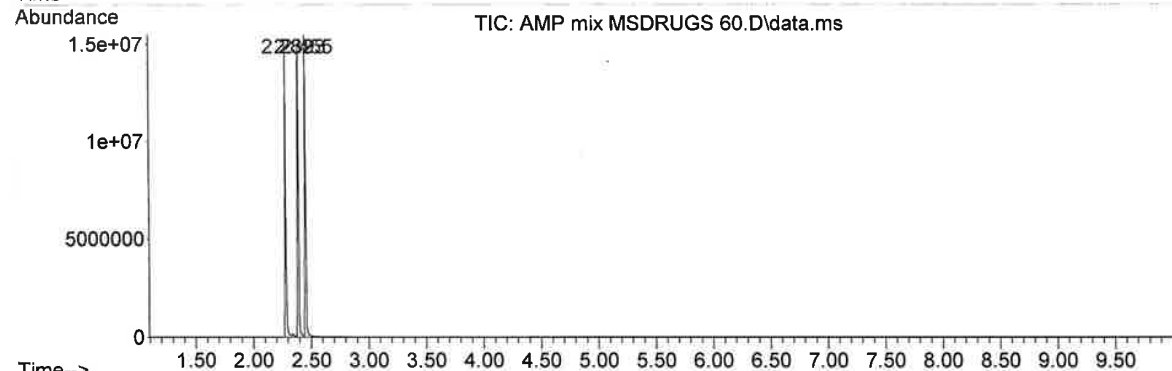
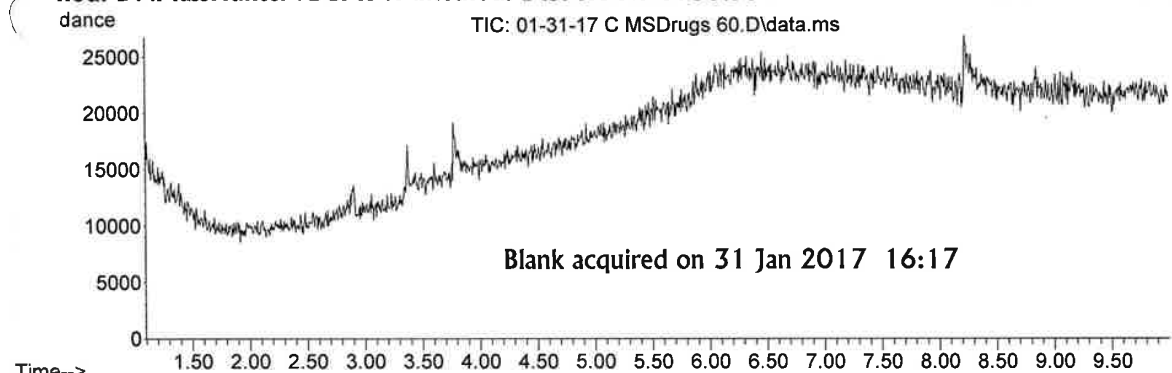
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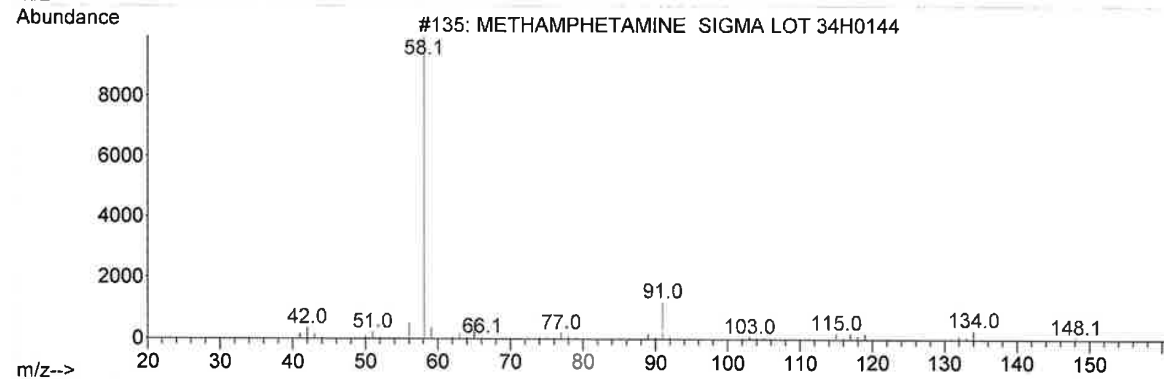
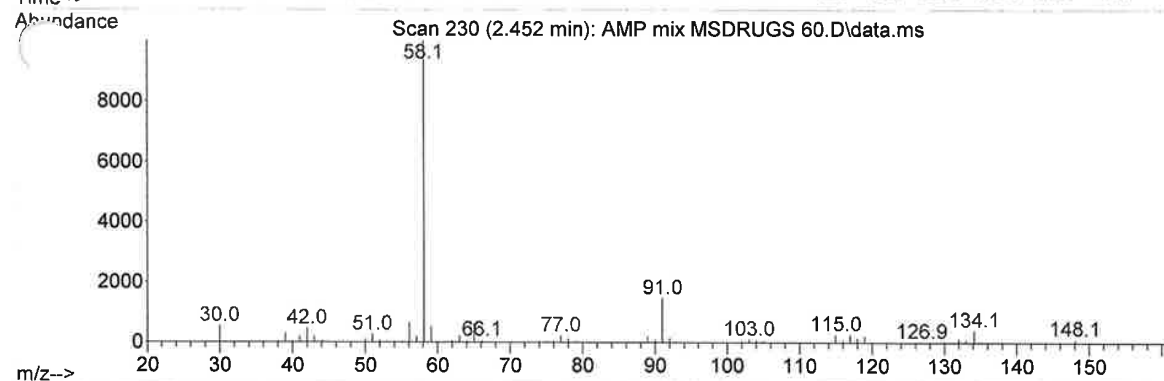
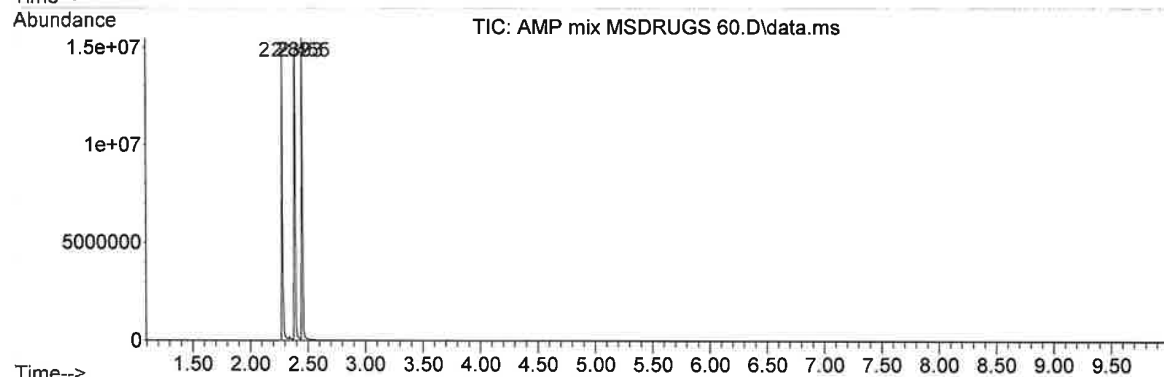
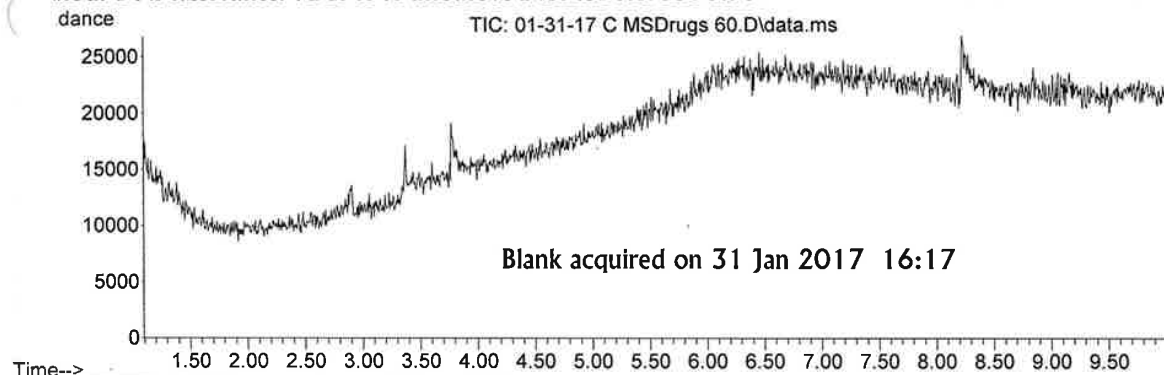
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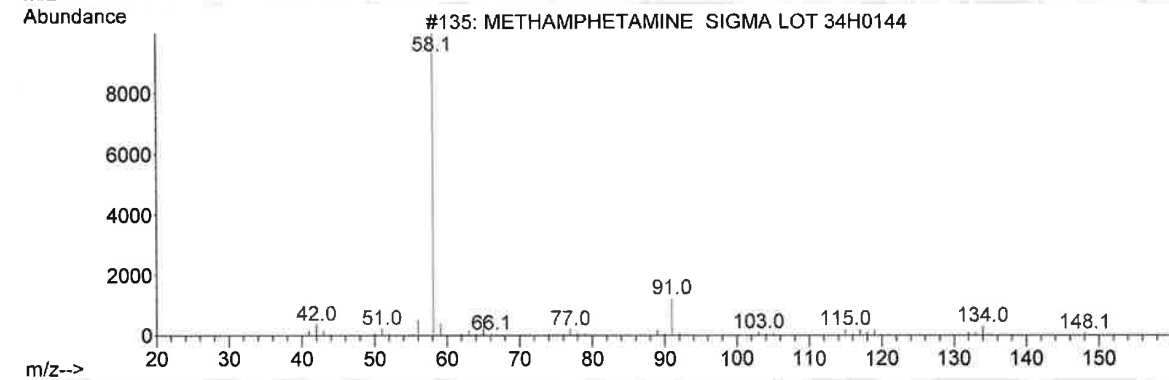
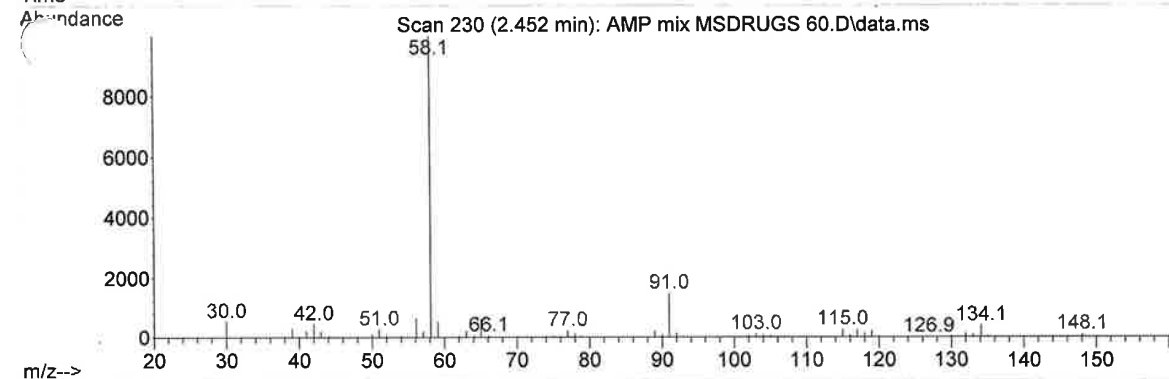
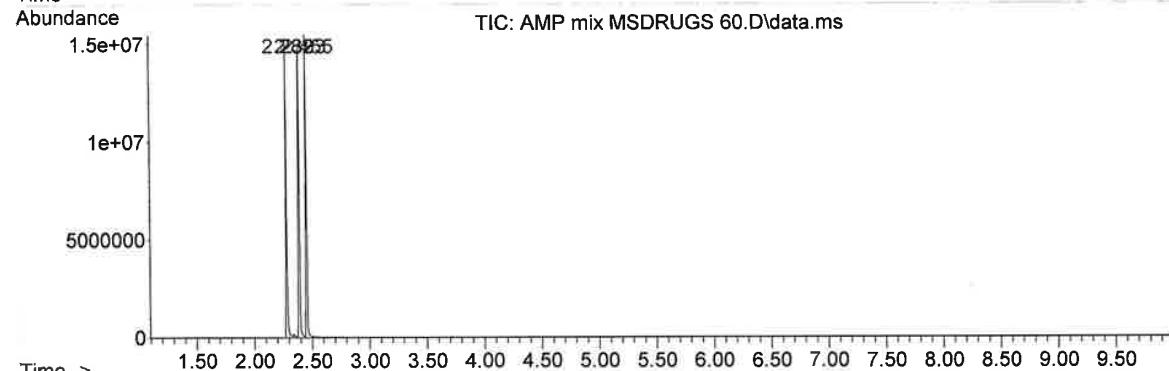
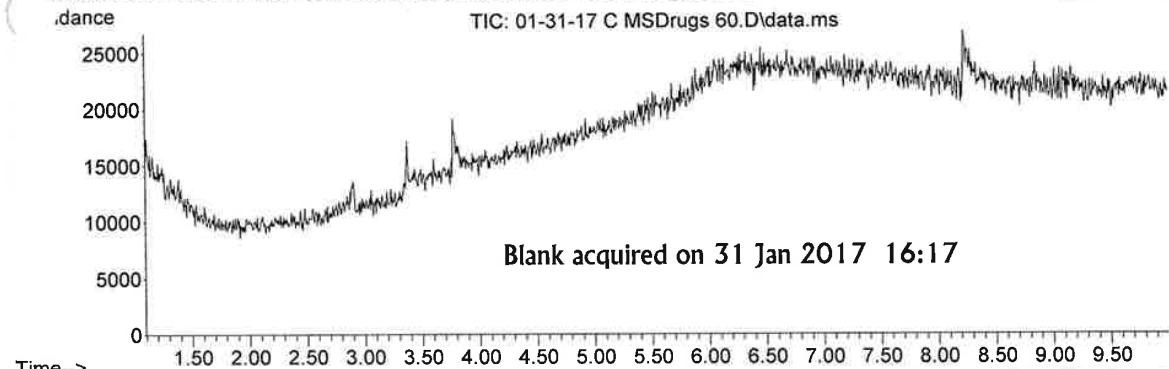
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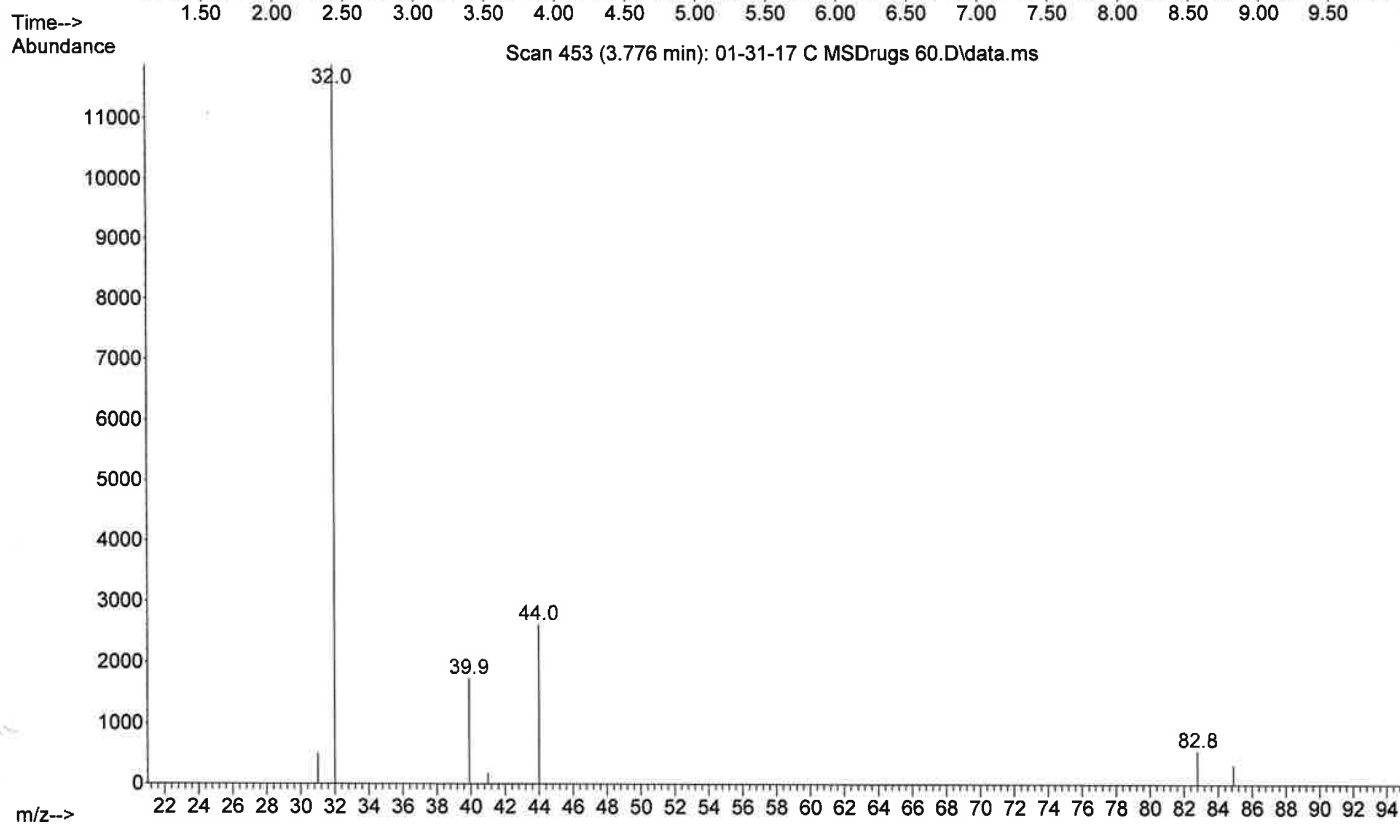
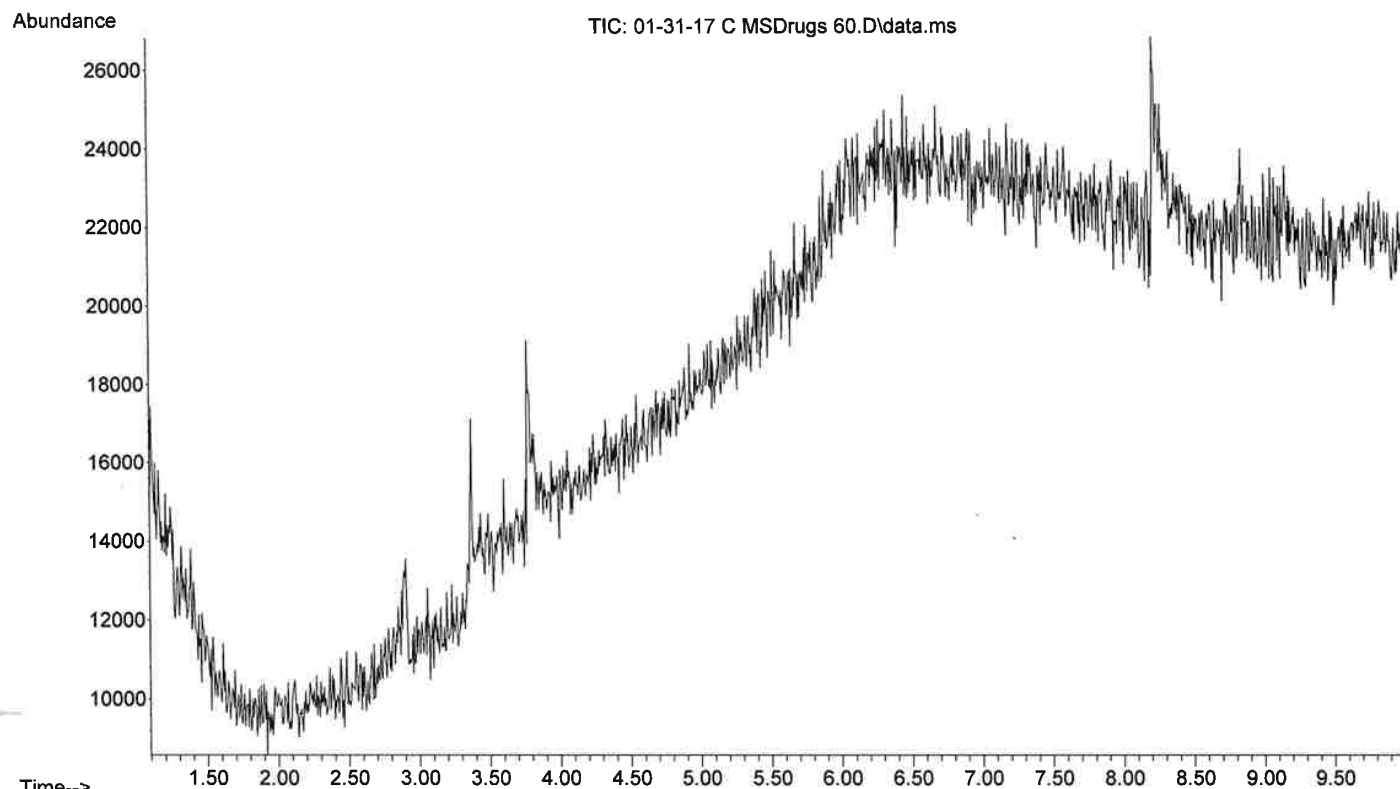
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Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 60-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M



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Operator : Lela Jackson
Instrument : Kenny
Acquired : 31 Jan 2017 16:17 using AcqMethod ASMSDRUGS60.M
File Name: 01-31-17 C 60
Info : Chloroform 60-280c @70c/min for 10 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

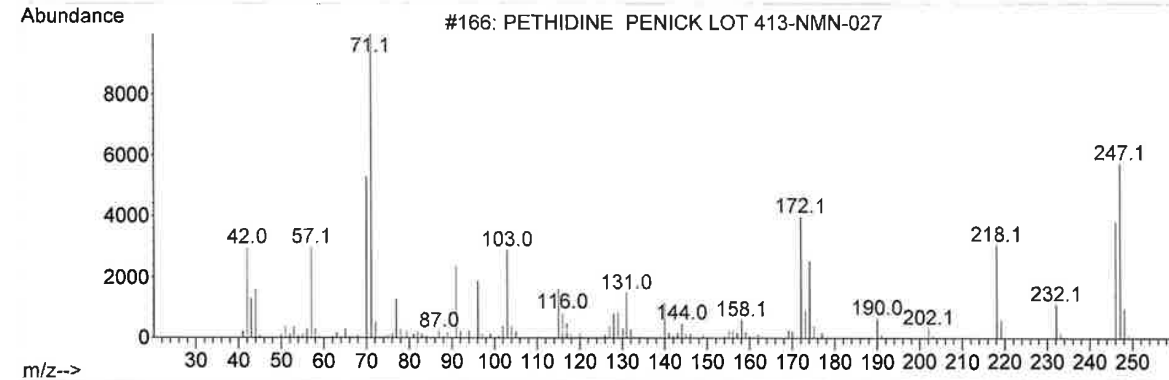
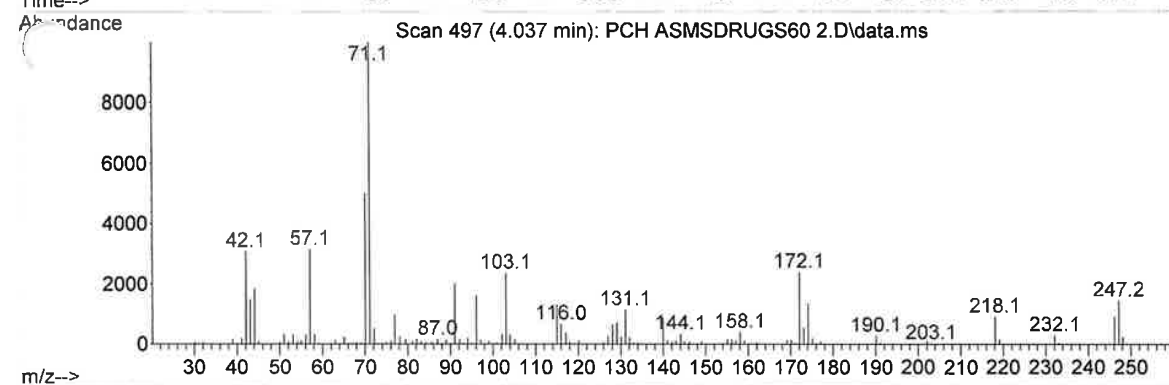
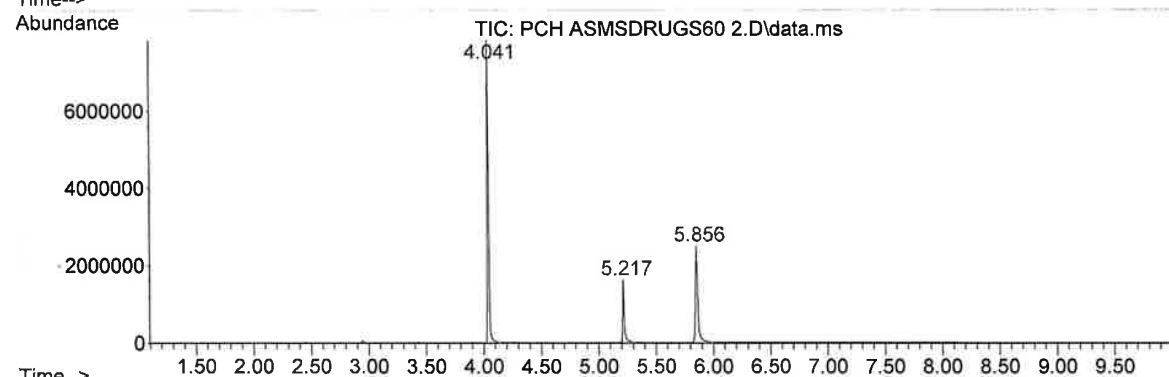
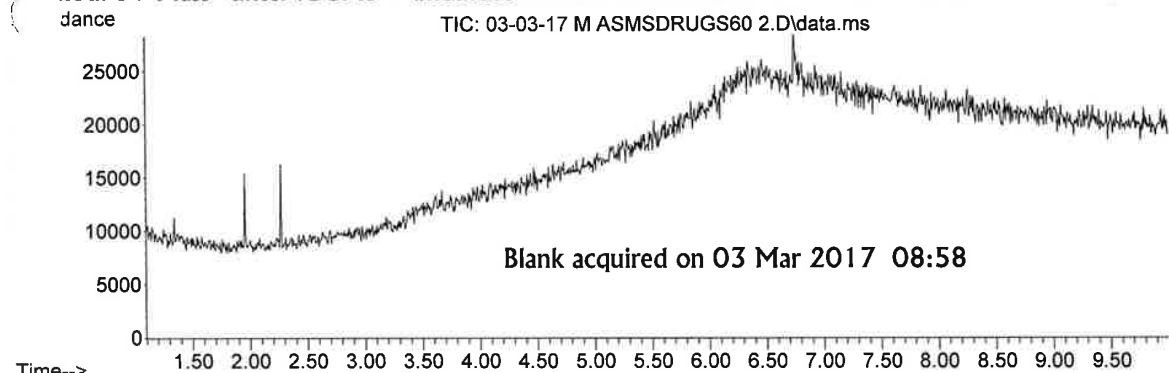
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Instrument: Kenny Tuned on 1 Mar 2017 6:36 am

Acquired by Lela Jackson on 03 Mar 2017 09:11 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c /min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M



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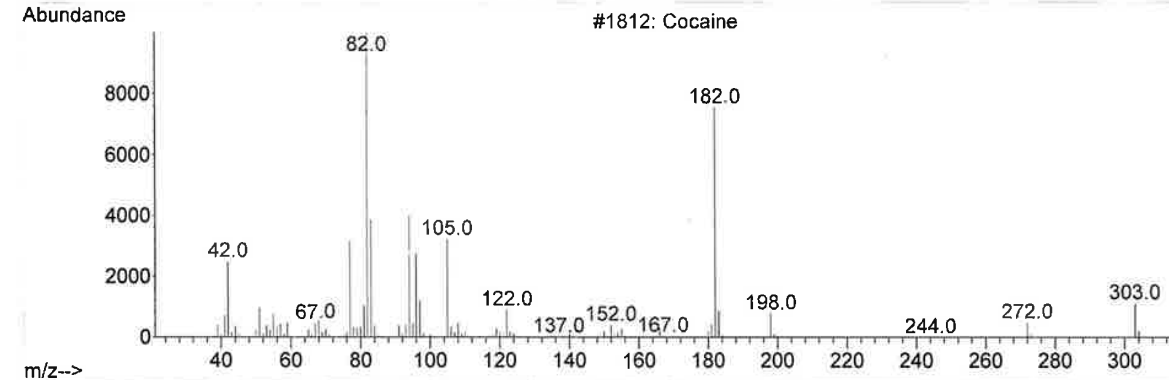
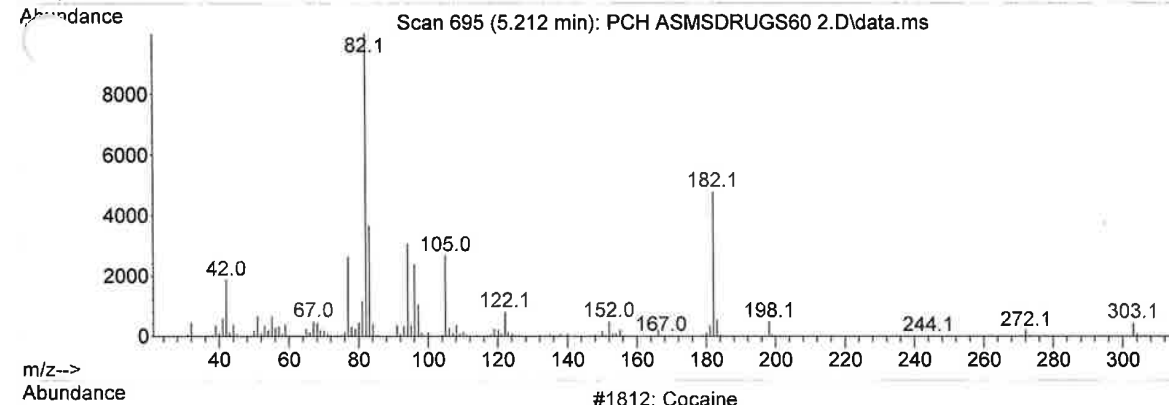
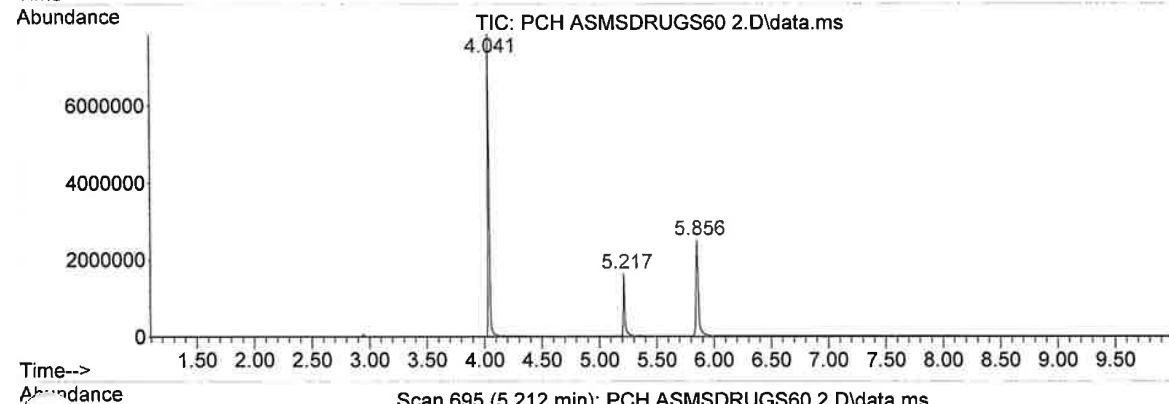
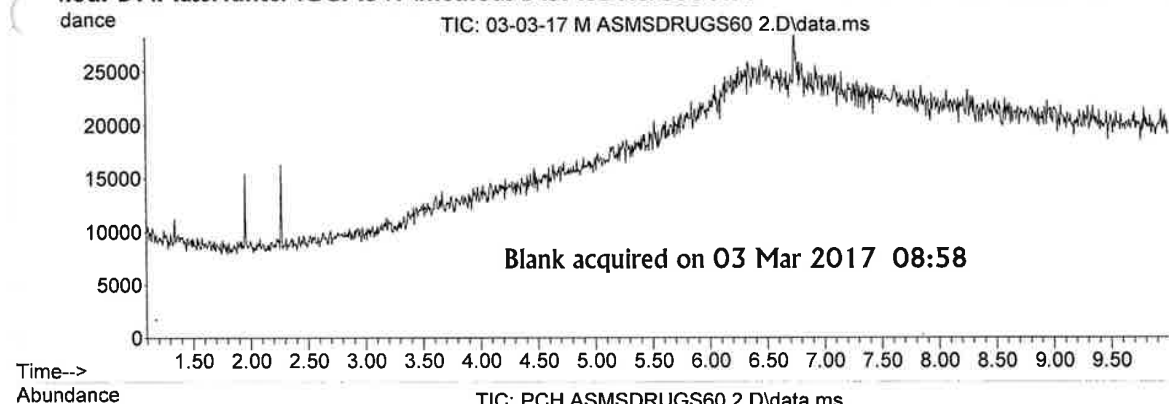
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Instrument: Kenny Tuned on 1 Mar 2017 6:36 am

Acquired by Lela Jackson on 03 Mar 2017 09:11 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c /min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M



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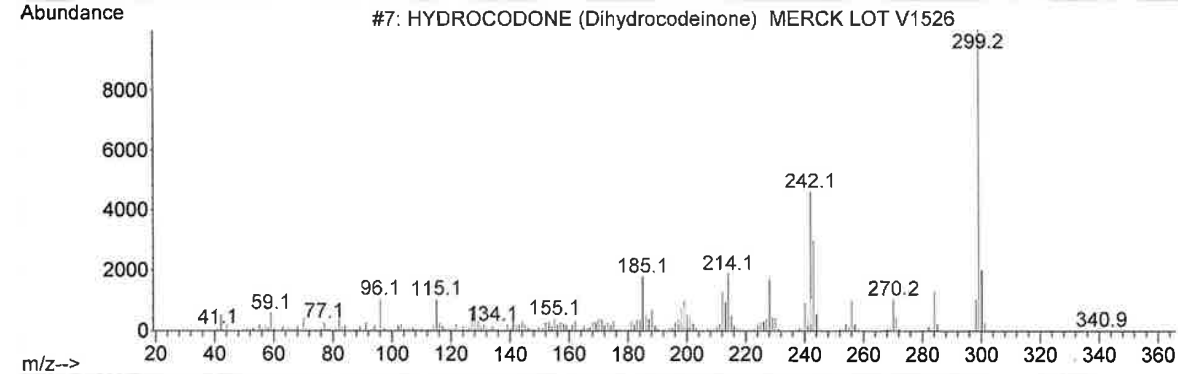
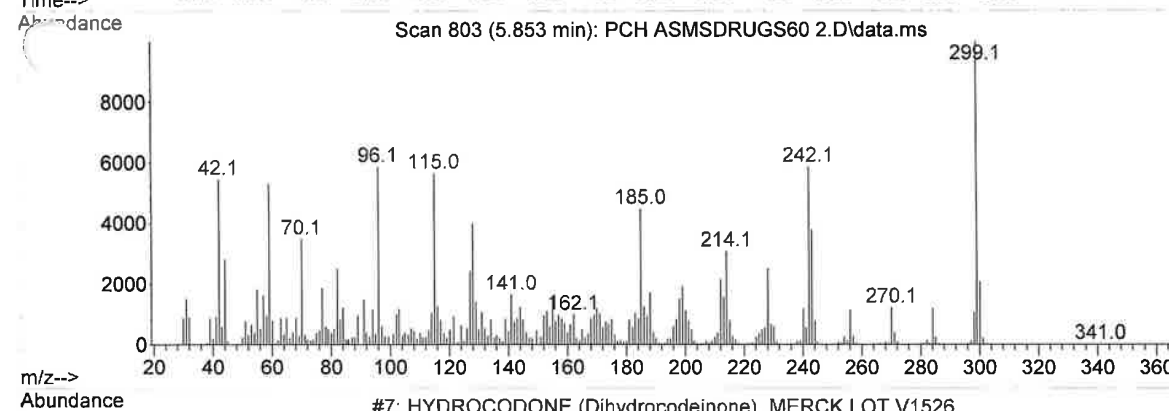
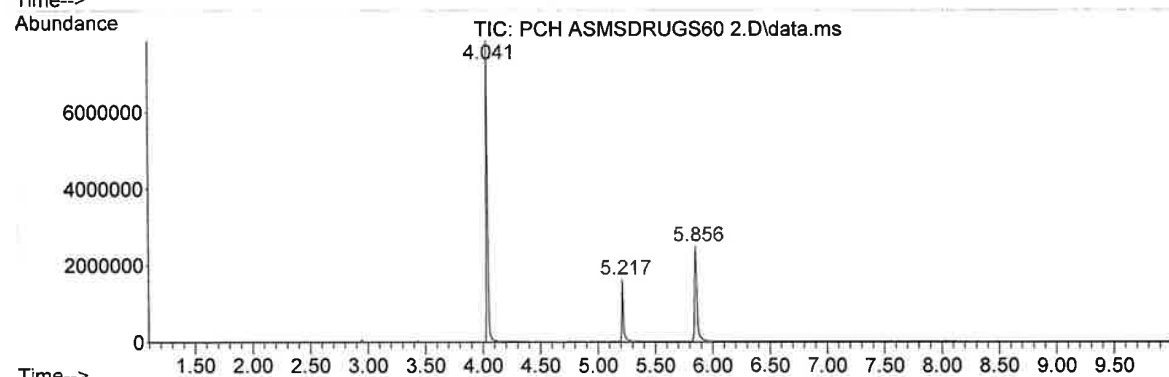
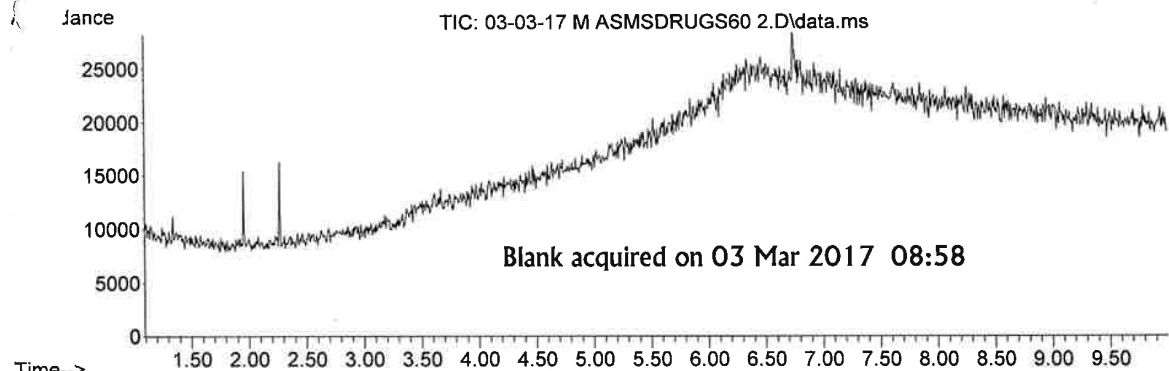
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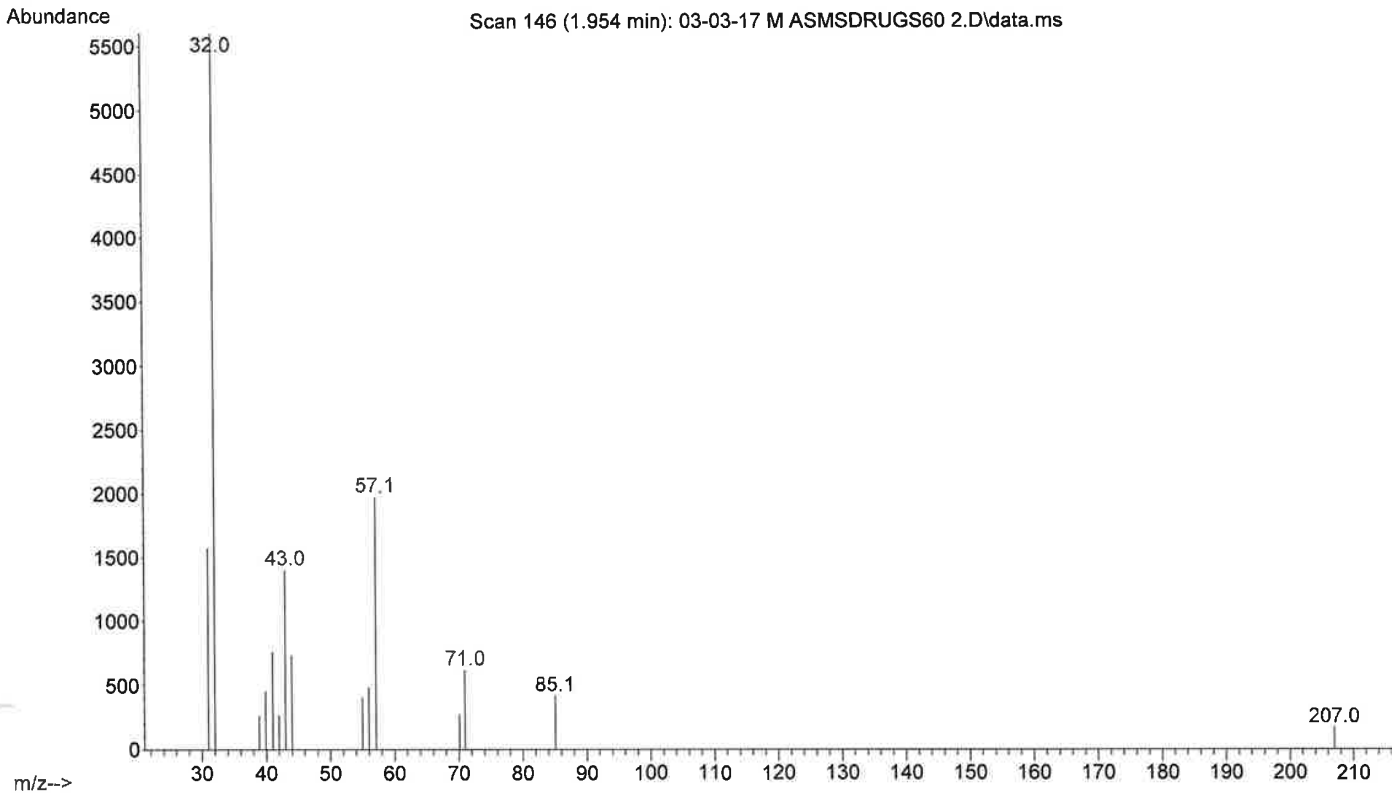
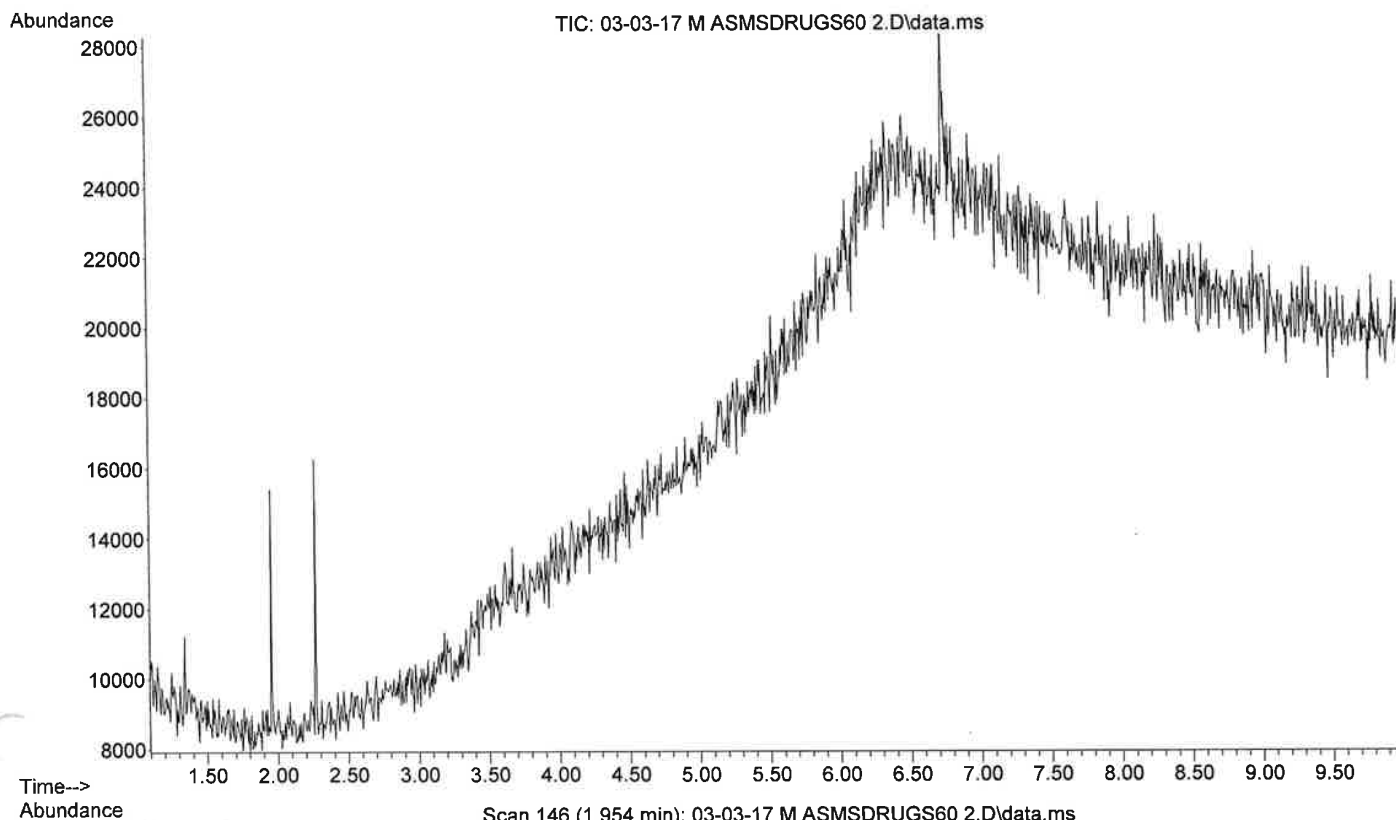
Acquired by Lela Jackson on 03 Mar 2017 09:11 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c /min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS60.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-03-17\03-03-17
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Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Mar 2017 08:58 using AcqMethod ASMSDRUGS60.M
Sample Name: Methanol Blank 3/3/17
Meth Info : Methanol 60-280c @70c /min for 10 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

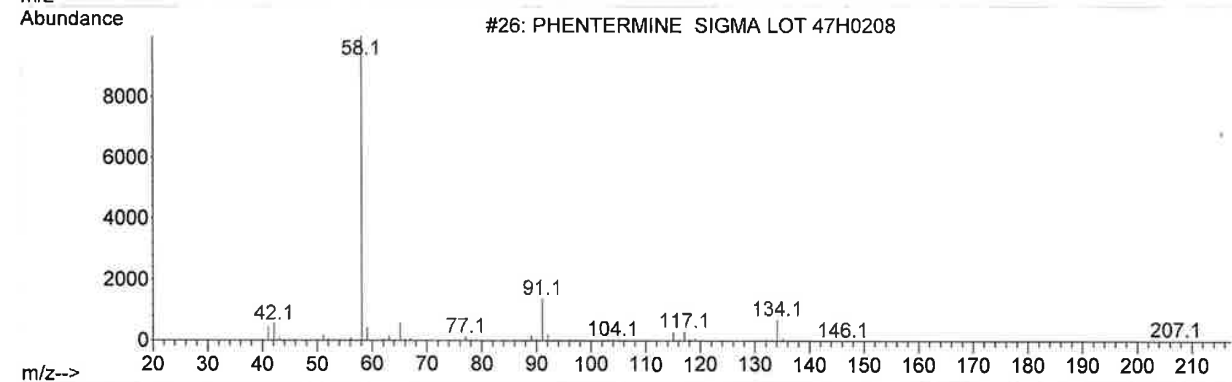
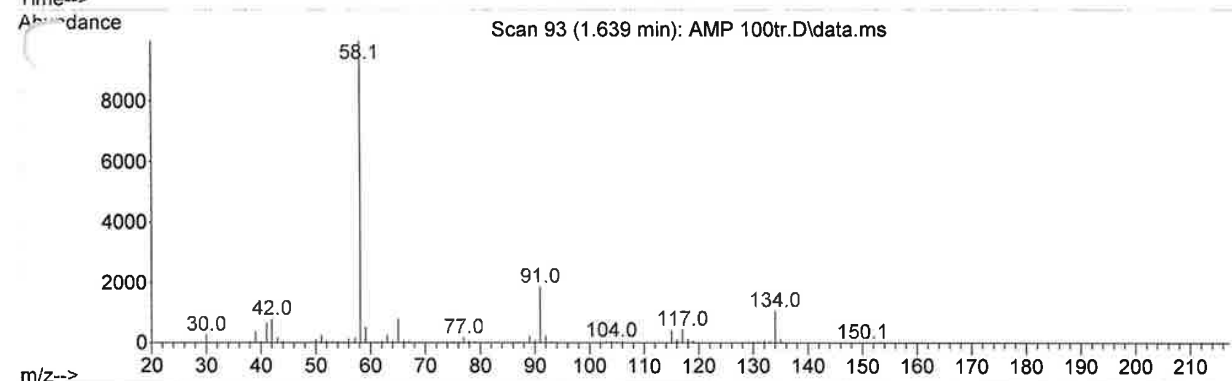
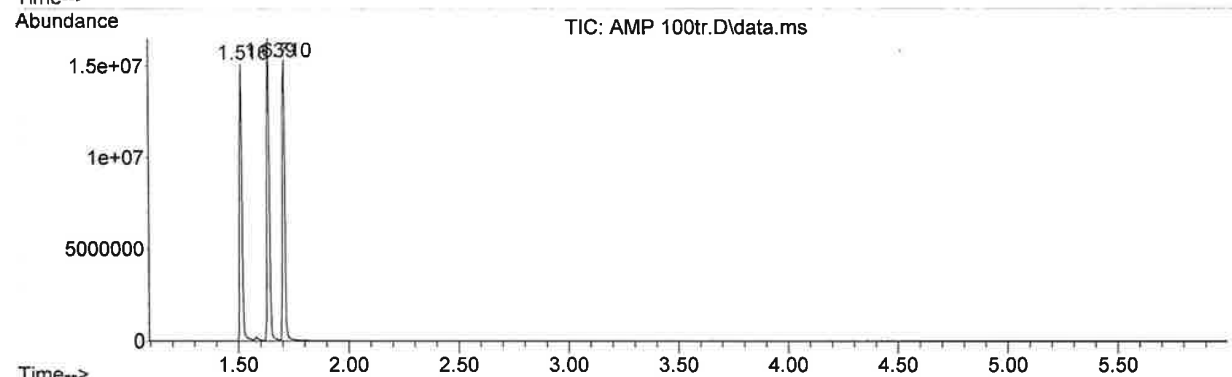
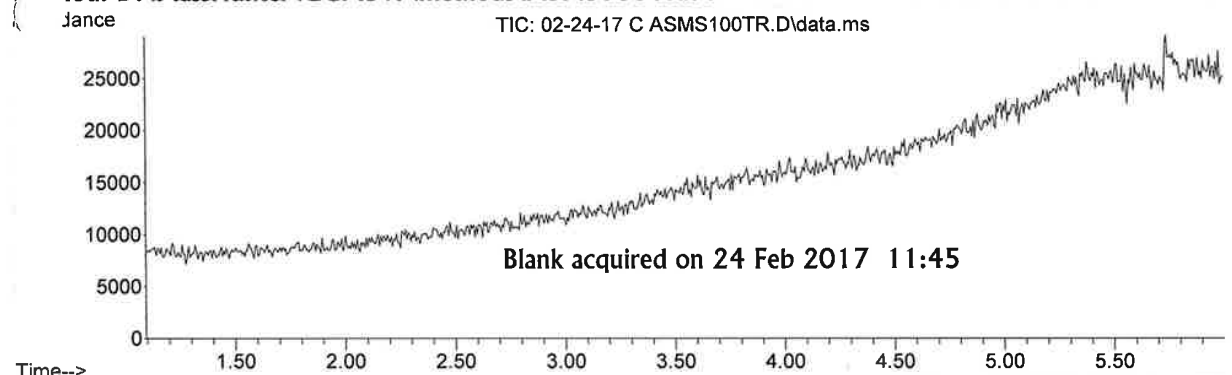
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Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 24 Feb 2017 11:53 in vial #

Information: Amphetamine, Phentermine, Methamphetamine Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS100TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

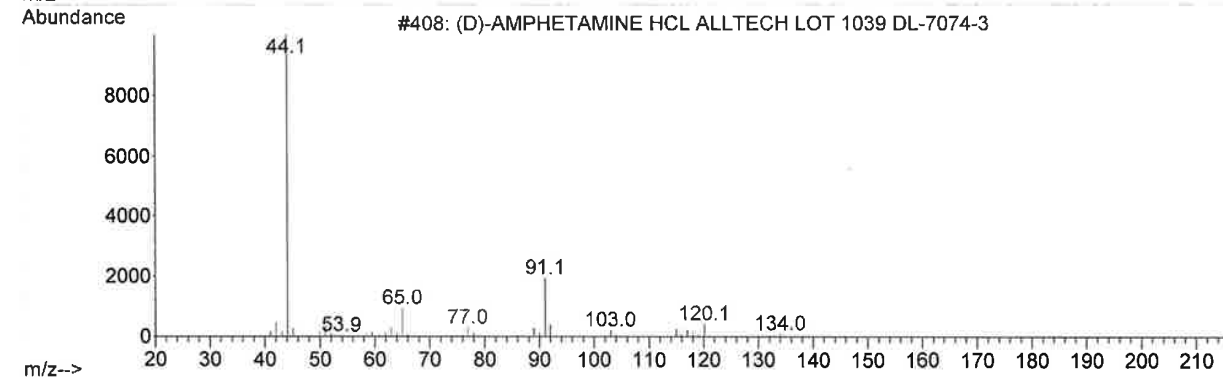
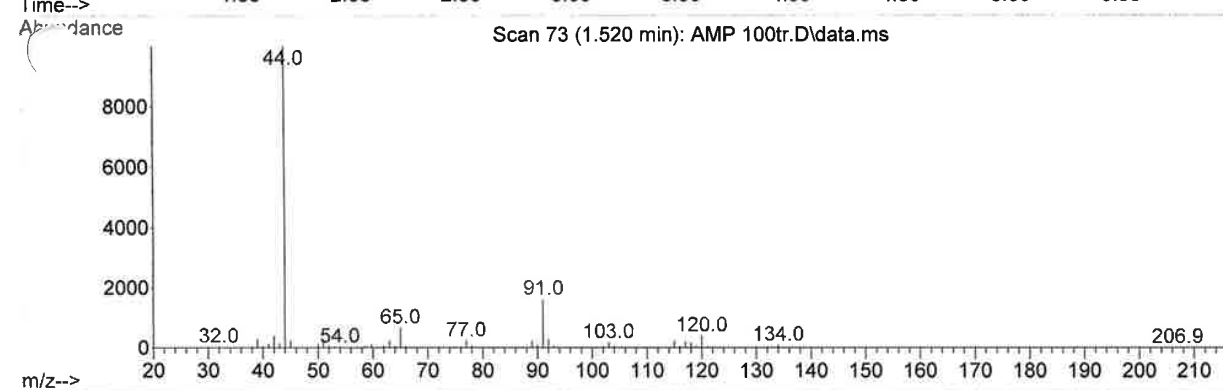
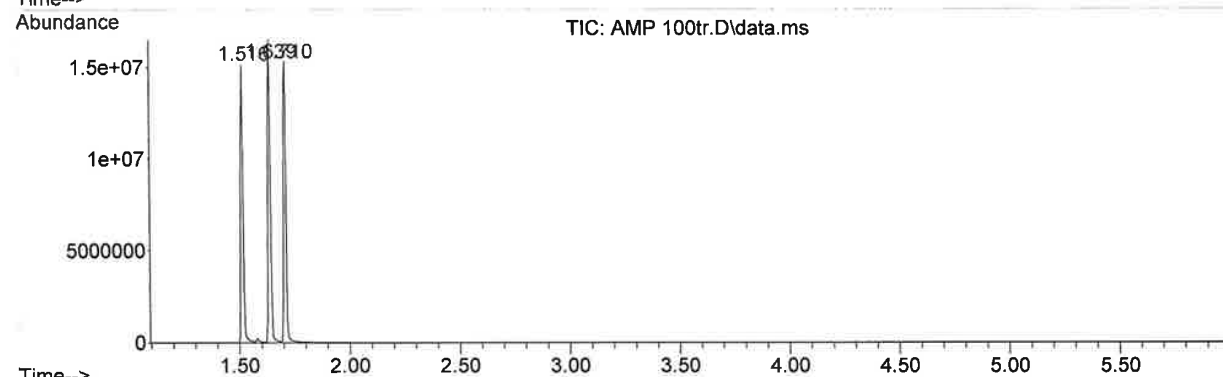
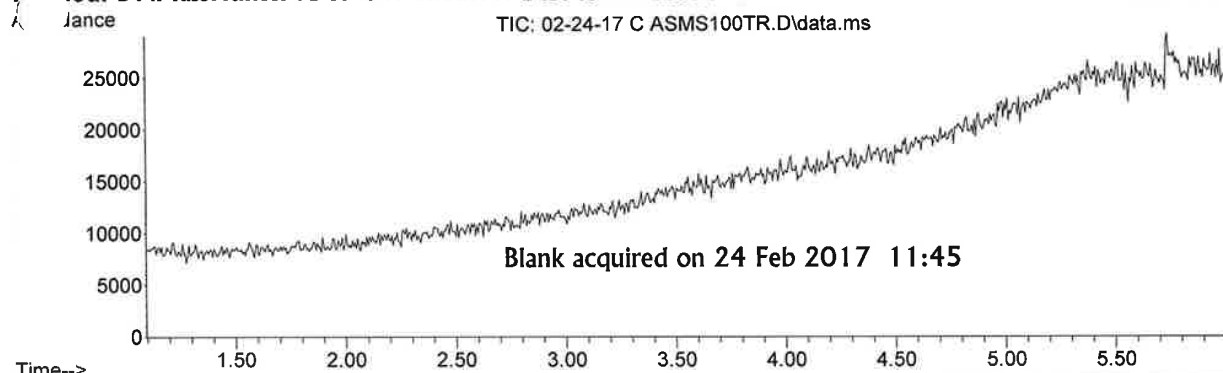
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Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

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Tennessee Bureau of Investigation: Nashville Crime Laboratory

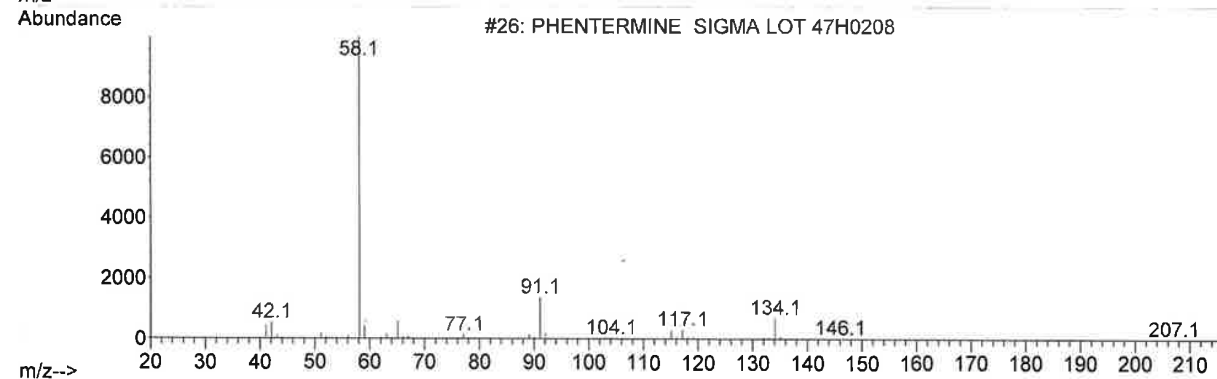
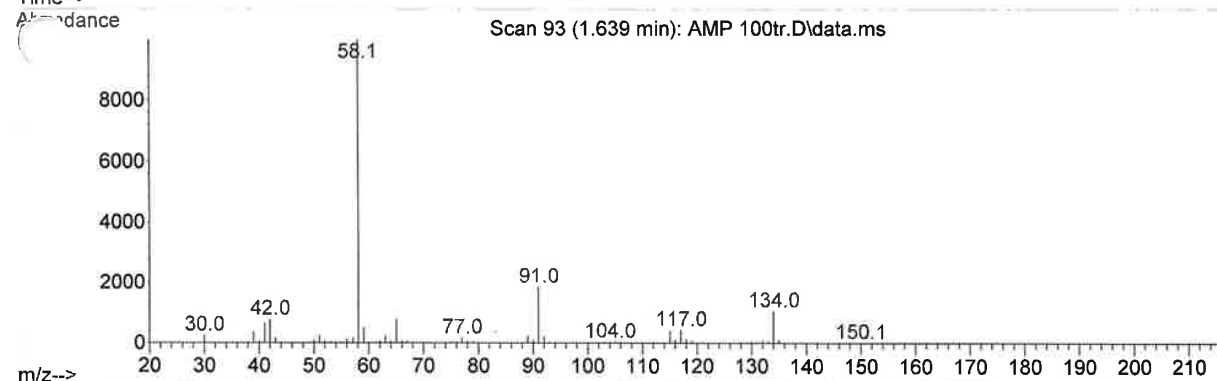
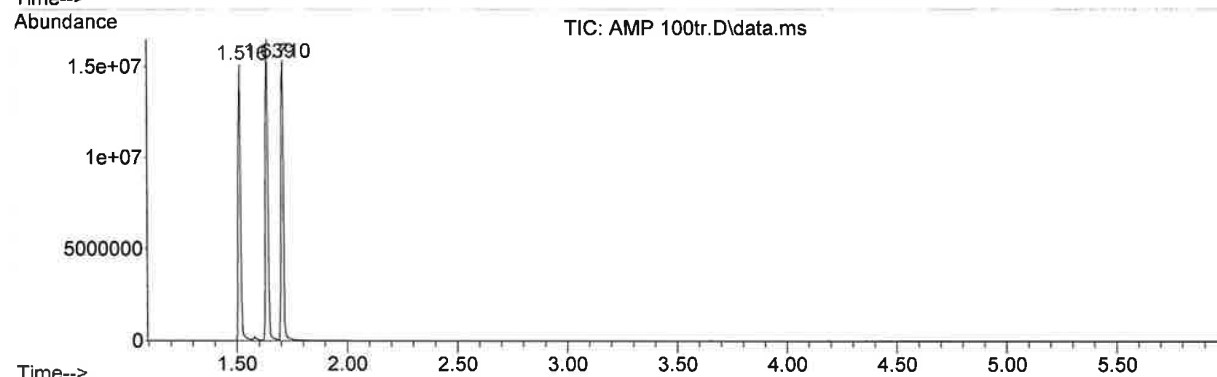
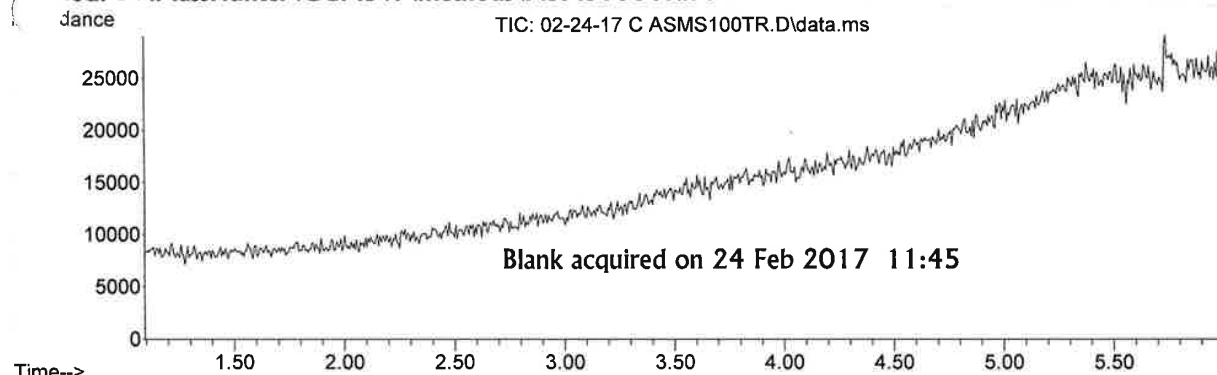
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Tennessee Bureau of Investigation: Nashville Crime Laboratory

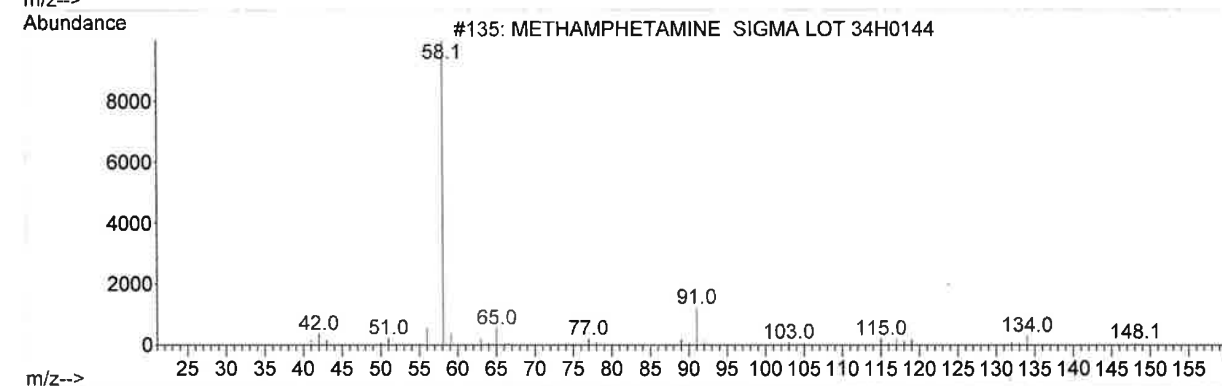
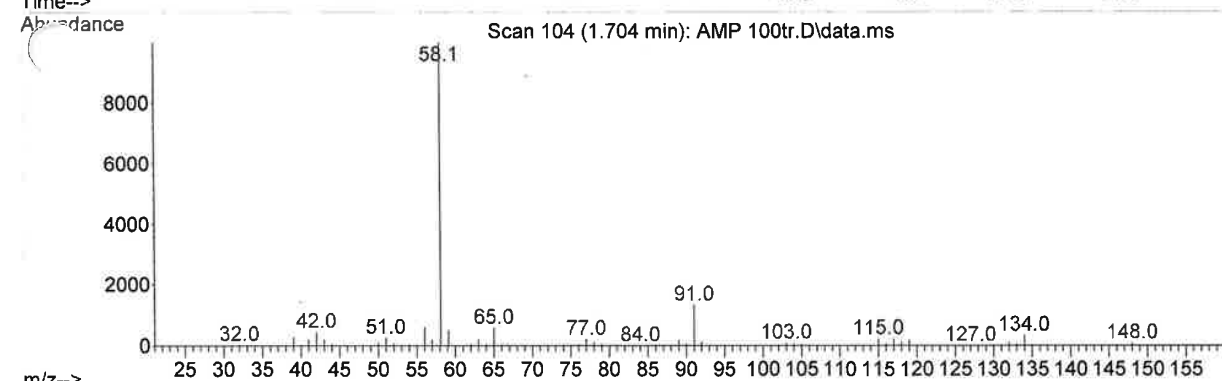
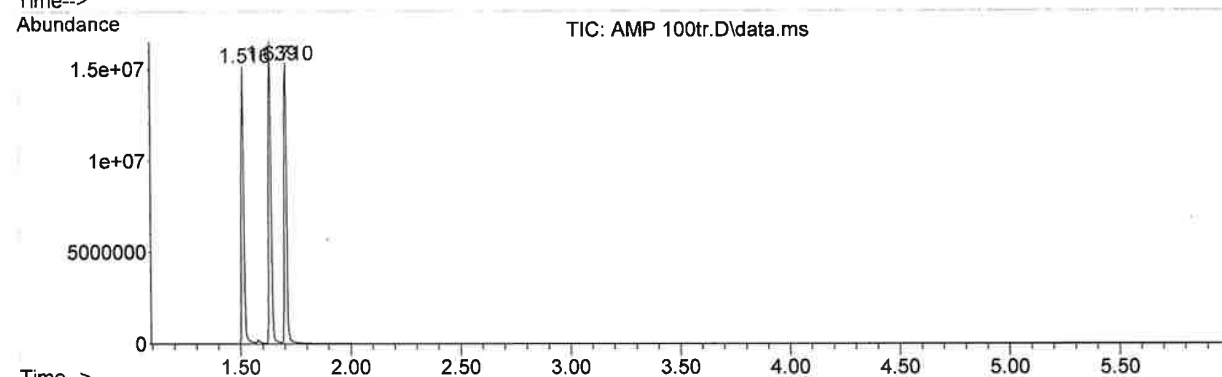
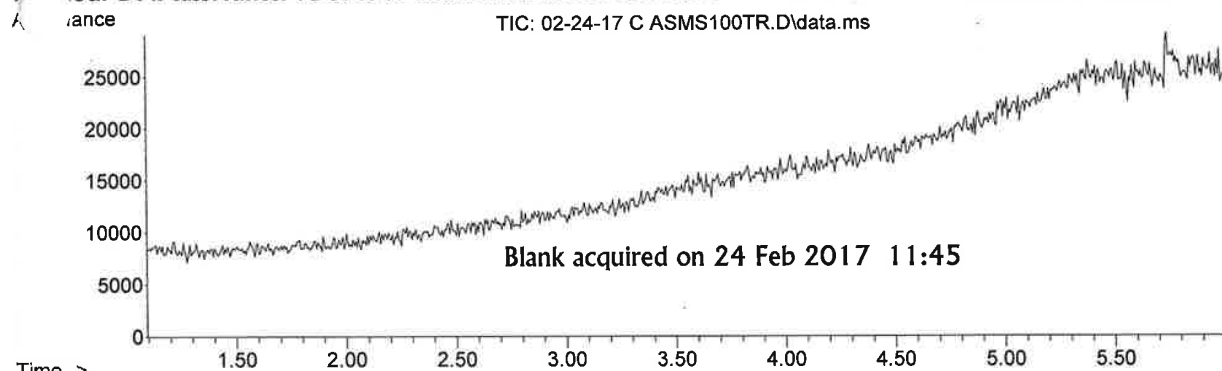
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\AMP 100tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

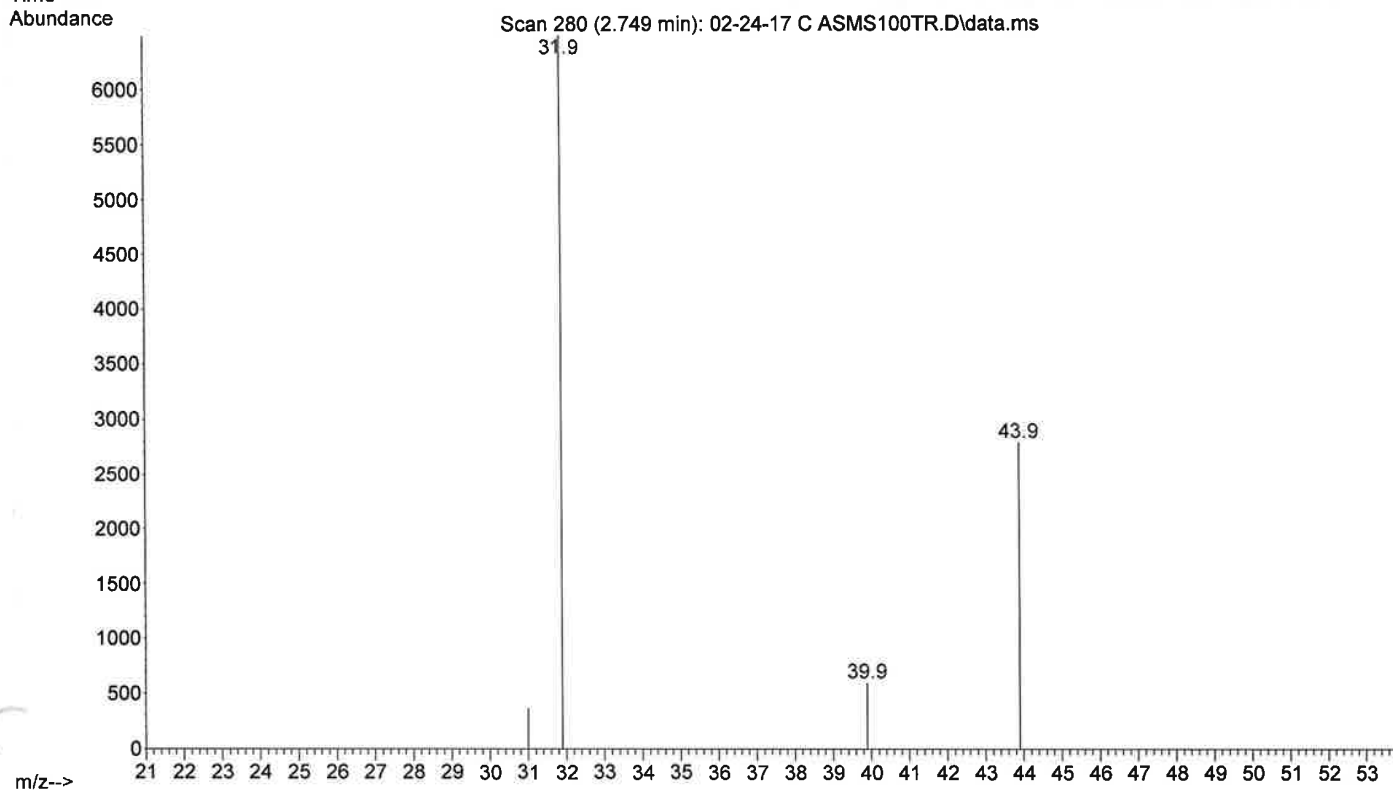
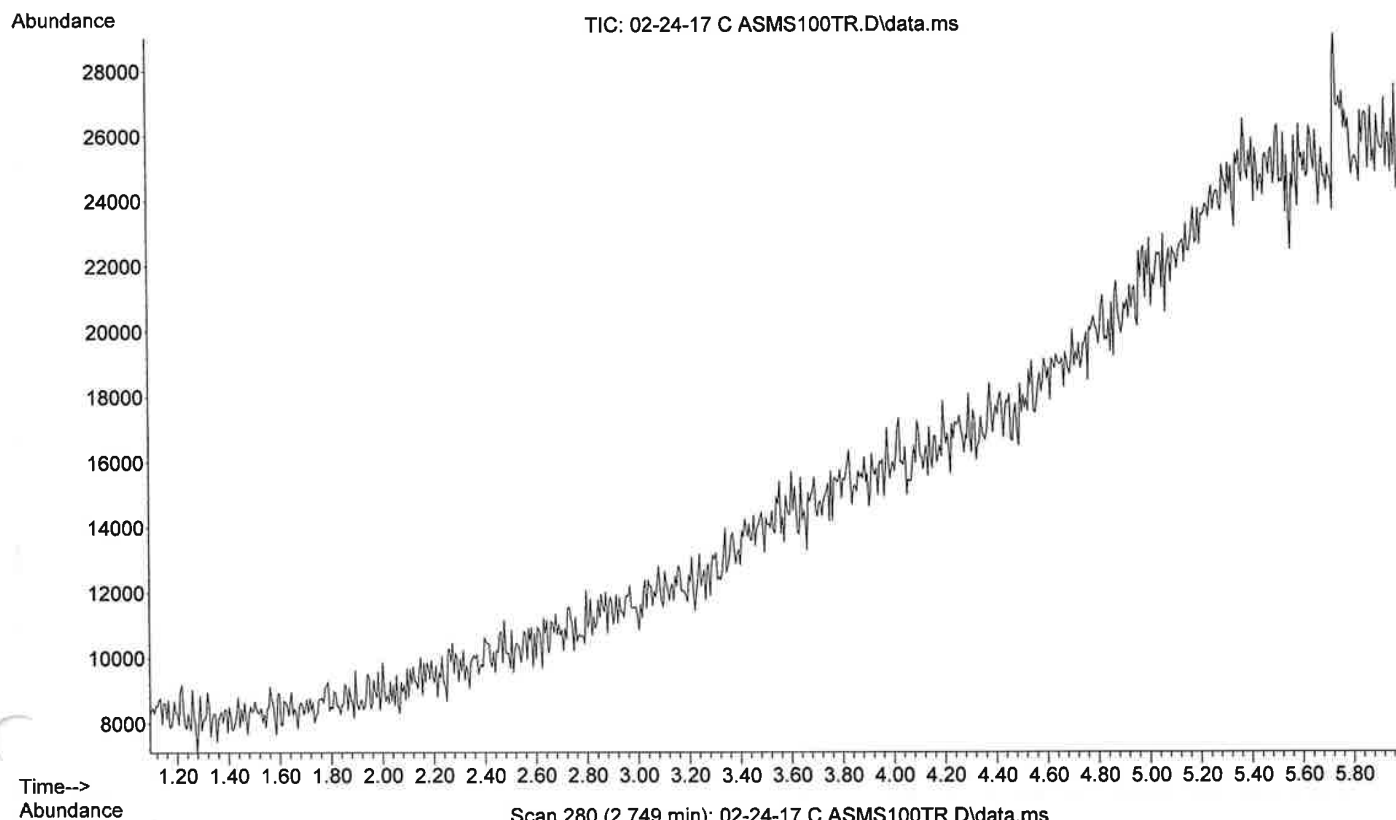
Acquired by Lela Jackson on 24 Feb 2017 11:53 in vial #

Information: Amphetamine, Phentermine, Methamphetamine Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS100TR.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\02-24-17
... C ASMS100TR.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 24 Feb 2017 11:45 using AcqMethod ASMS100TR.M
Sample Name: Chloroform blank 2/24/17
Meth Info : Methanol 100-280c @70c/min for 6 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

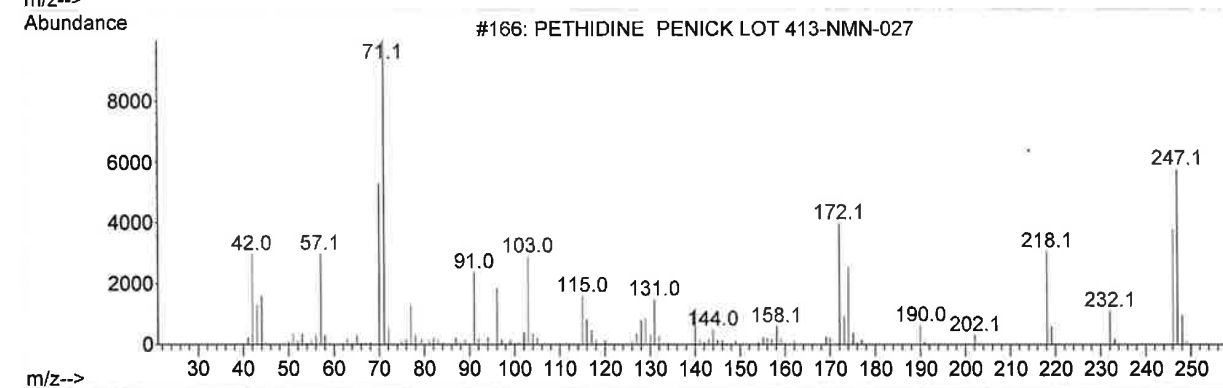
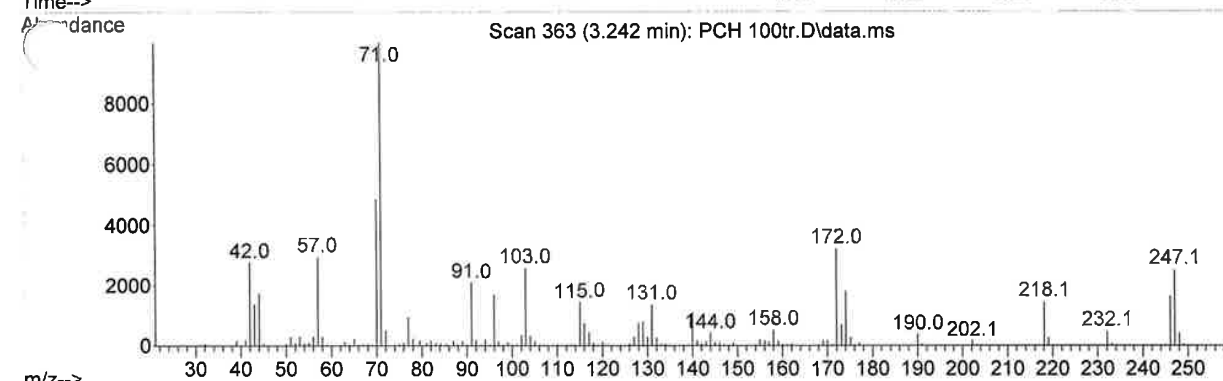
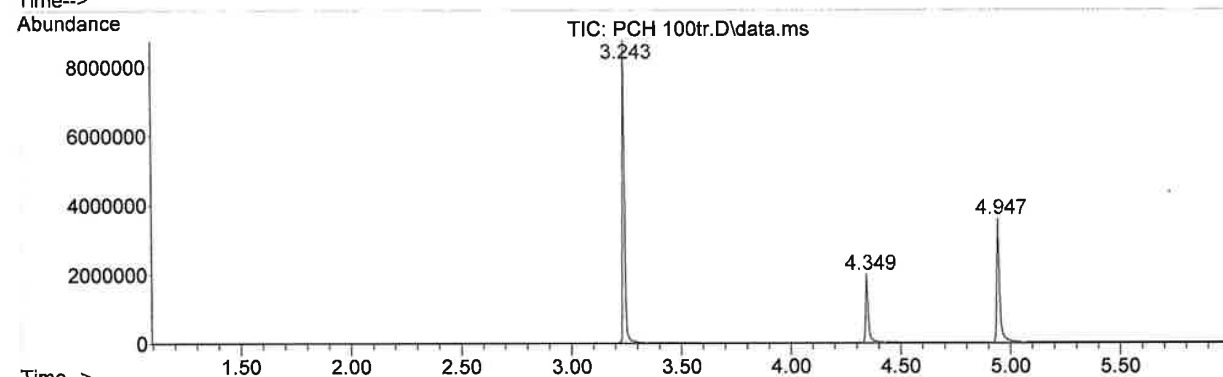
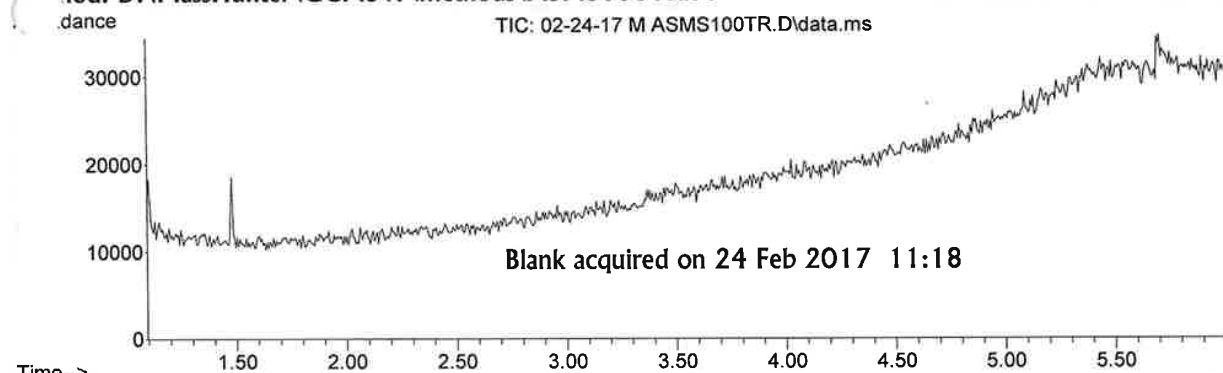
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\PCH 100tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 24 Feb 2017 11:26 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS100TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\PCH 100tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

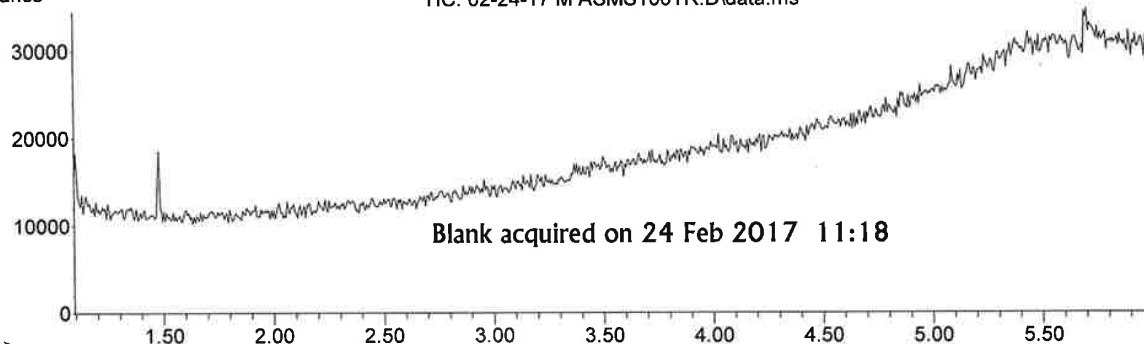
Acquired by Lela Jackson on 24 Feb 2017 11:26 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS100TR.M

Trace

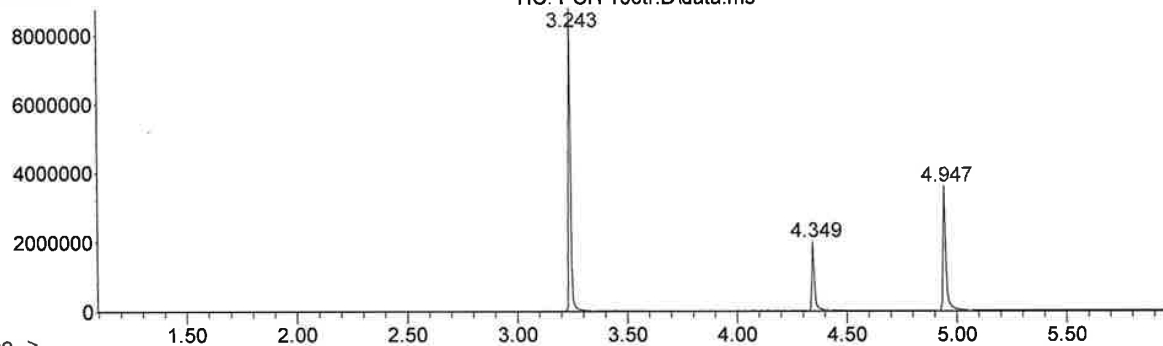
TIC: 02-24-17 M ASMS100TR.D\data.ms



Time-->

Abundance

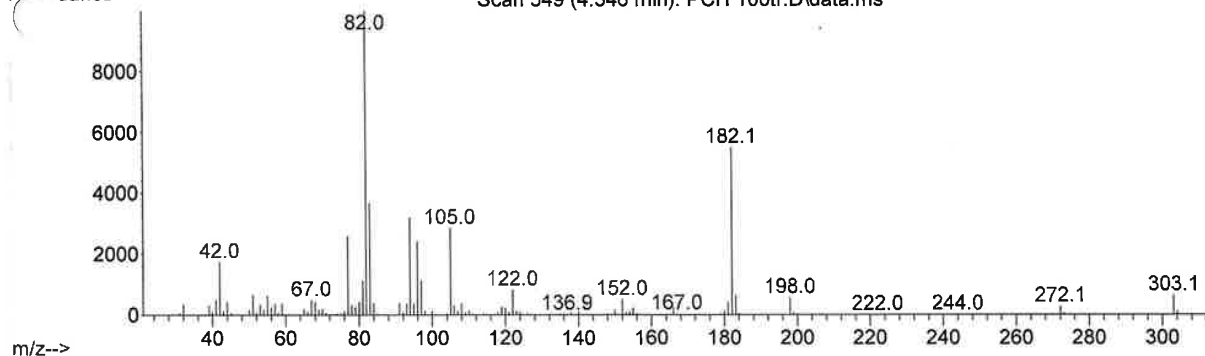
TIC: PCH 100tr.D\data.ms



Time-->

Abundance

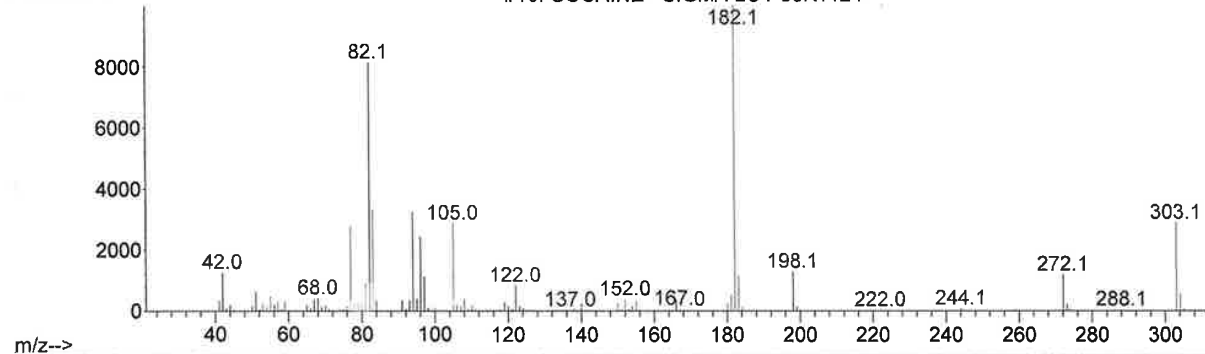
Scan 549 (4.346 min): PCH 100tr.D\data.ms



m/z-->

Abundance

#10: COCAINE SIGMA LOT 50K1124



m/z-->

Tennessee Bureau of Investigation: Nashville Crime Laboratory

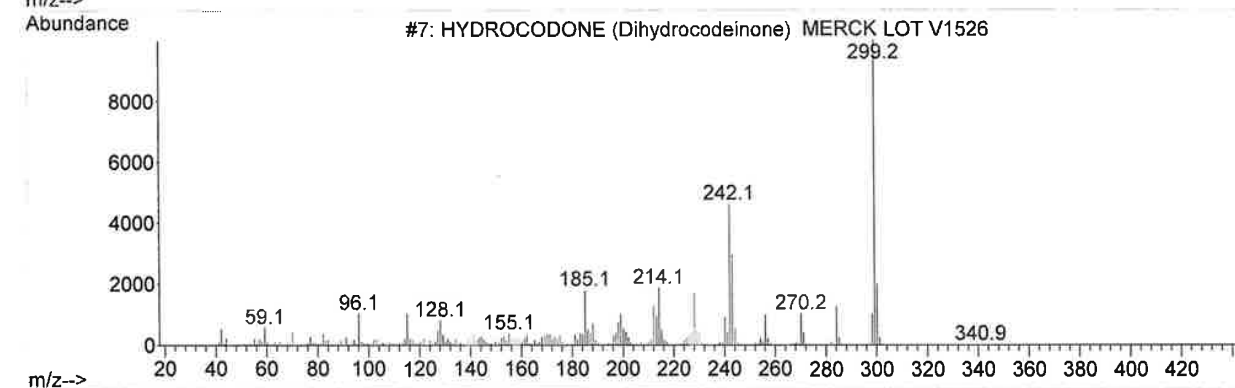
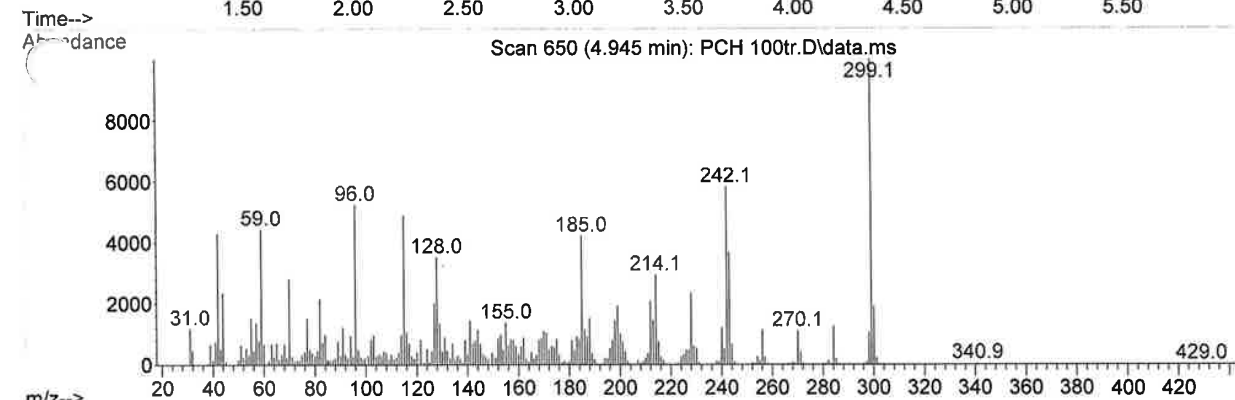
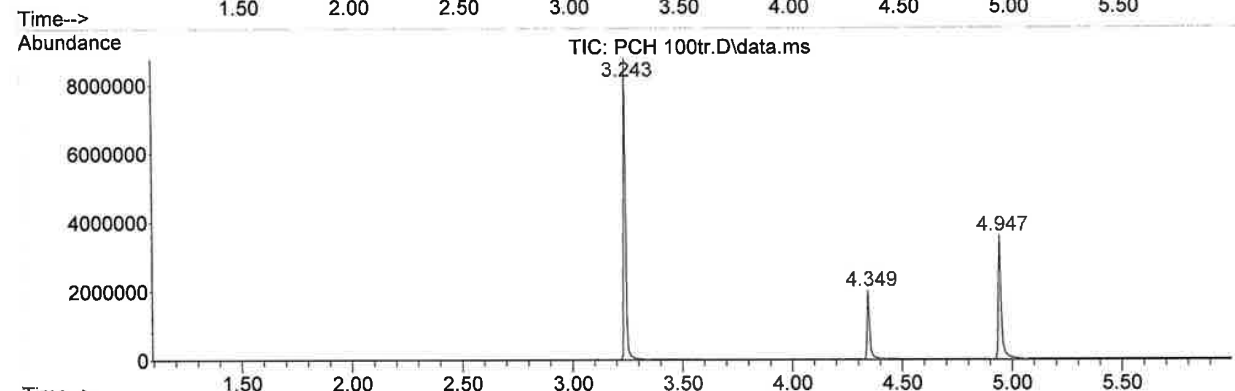
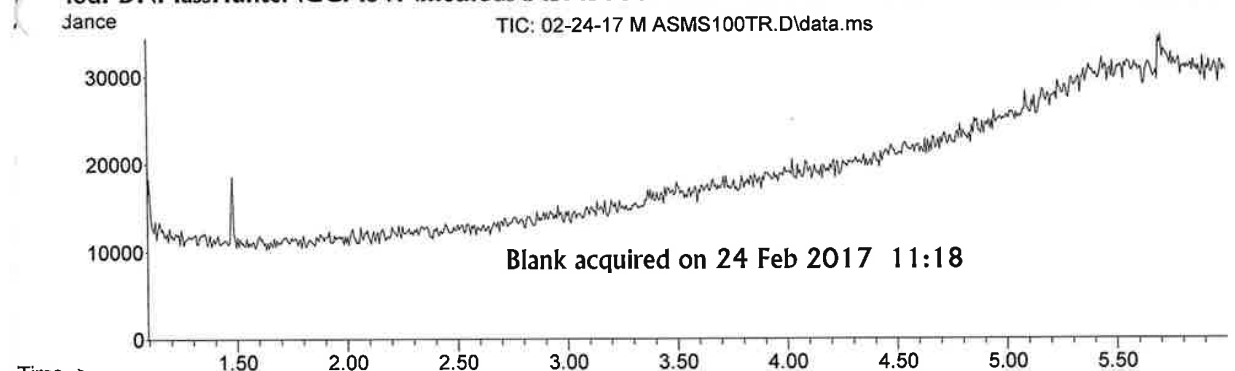
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\PCH 100tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

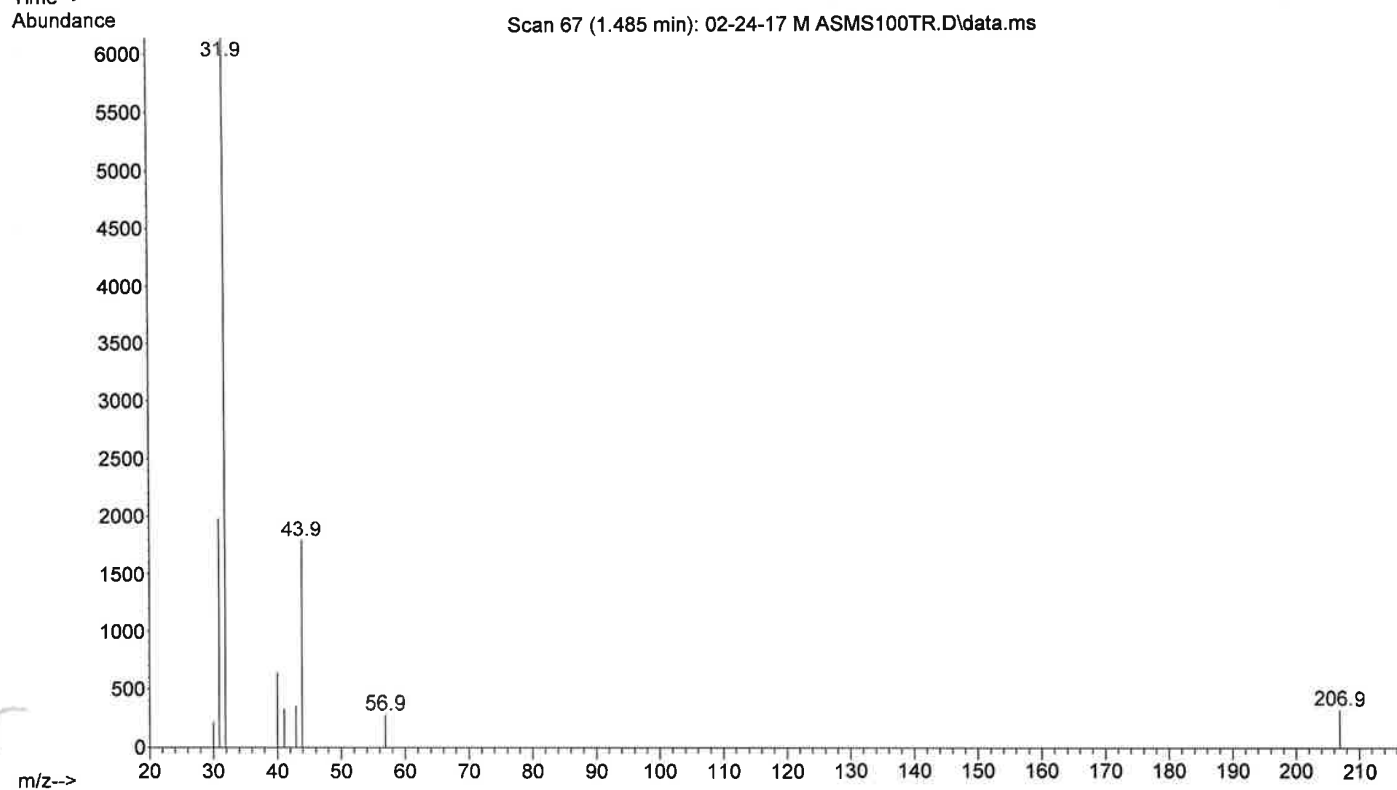
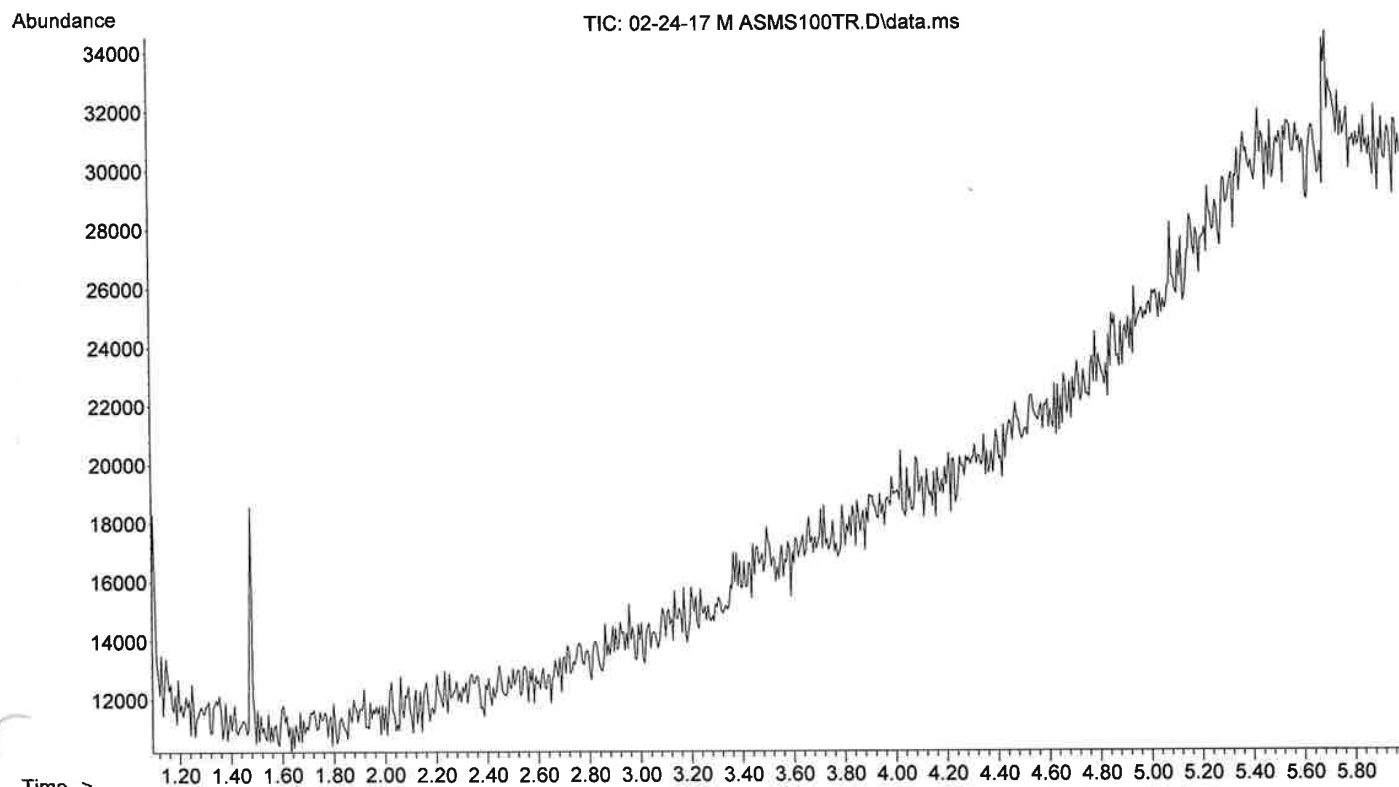
Acquired by Lela Jackson on 24 Feb 2017 11:26 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS100TR.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\02-24-17
... M ASMS100TR.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 24 Feb 2017 11:18 using AcqMethod ASMS100TR.M
Sample Name: Methanol Blank 2/24/17
Meth Info : Methanol 100-280c @70c/min for 6 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

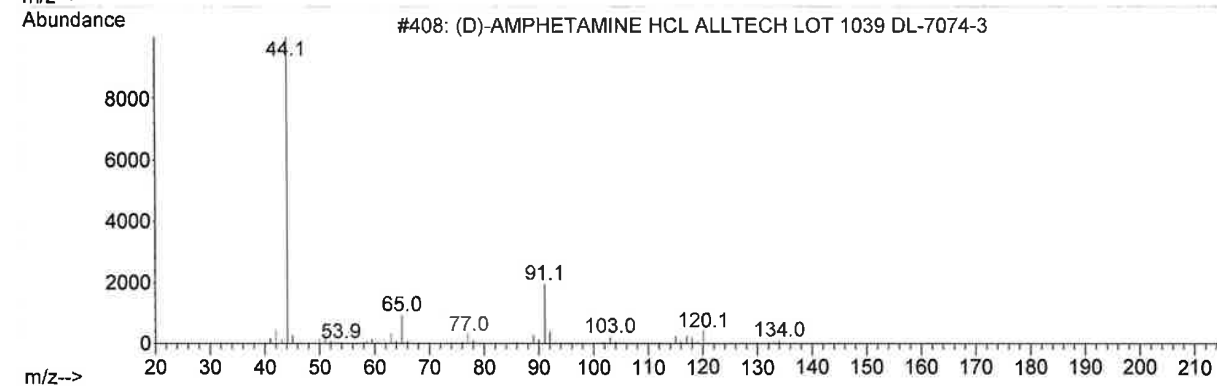
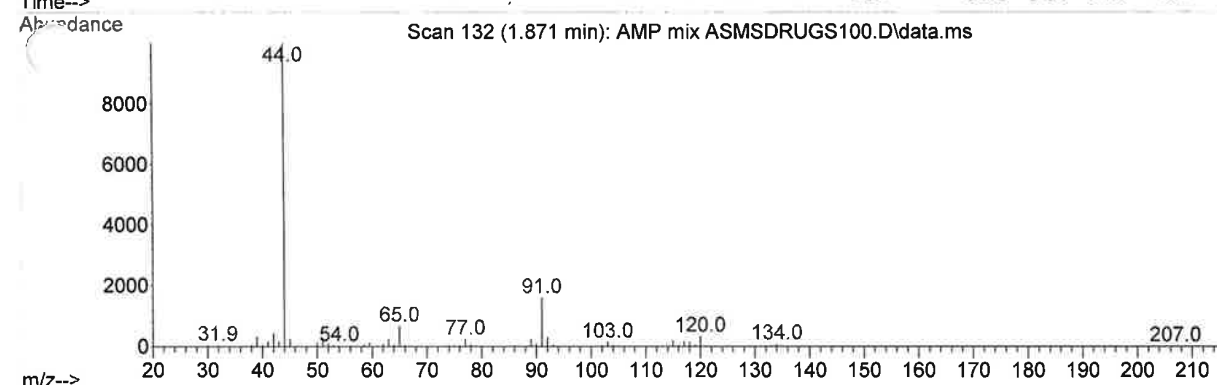
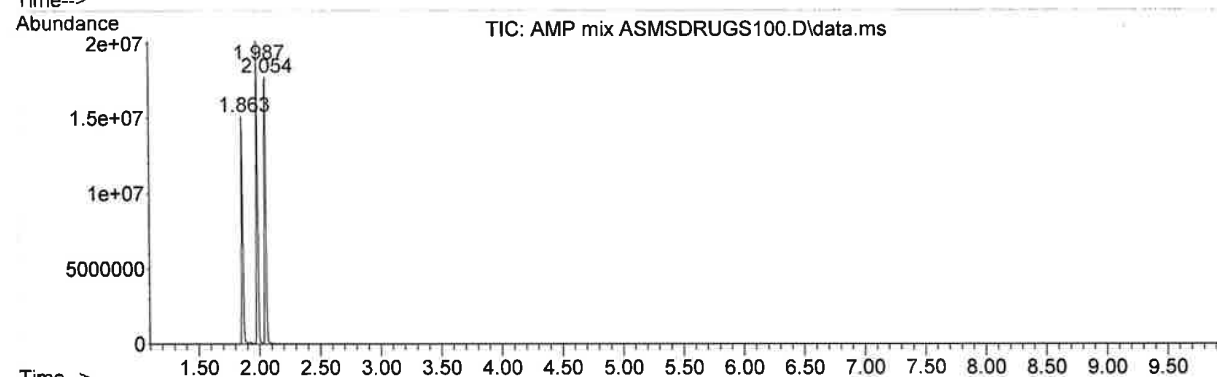
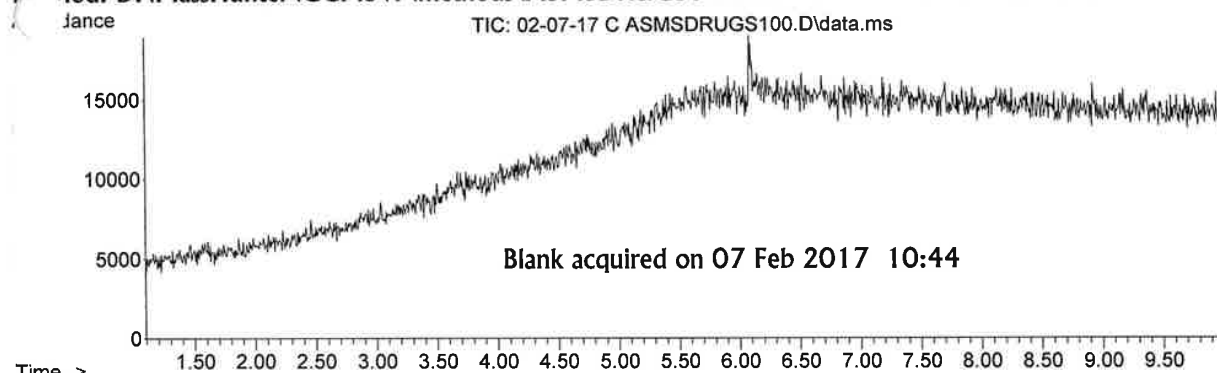
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-07-17\AMP mix ASMSDRUGS100.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 07 Feb 2017 10:56 in vial #

Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

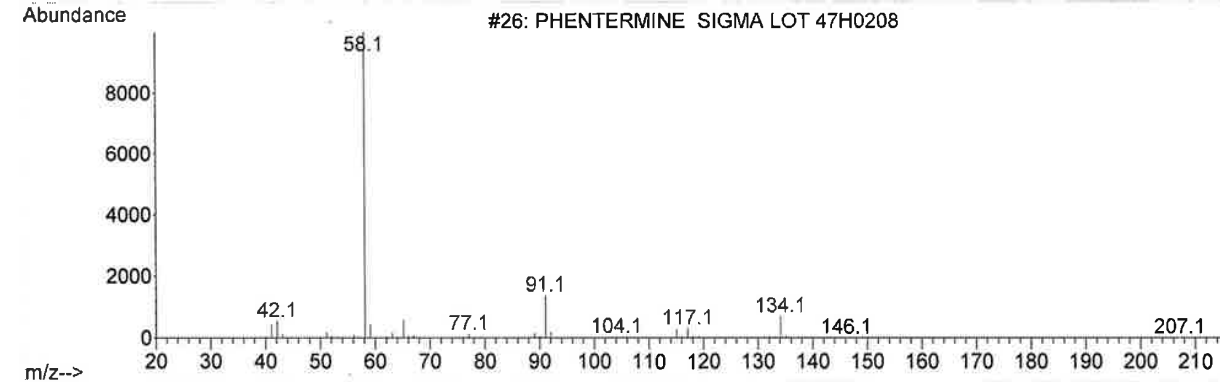
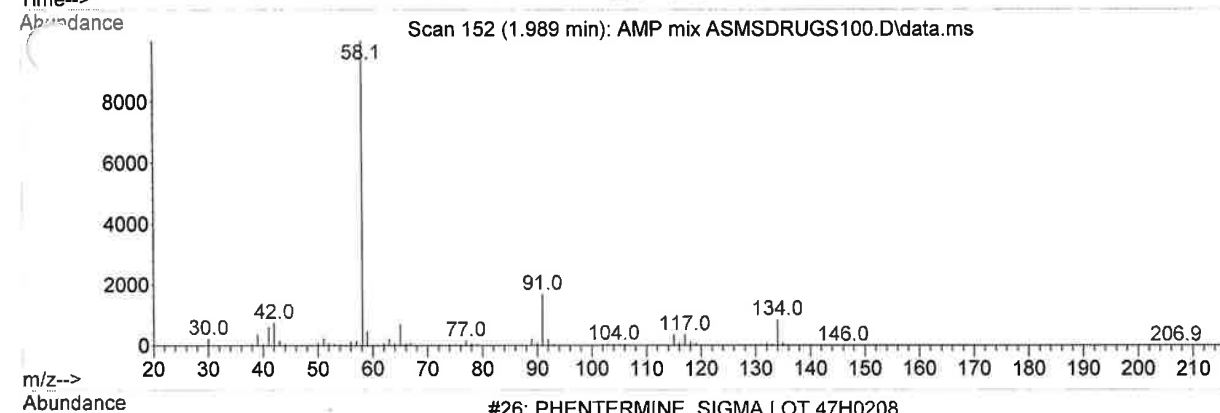
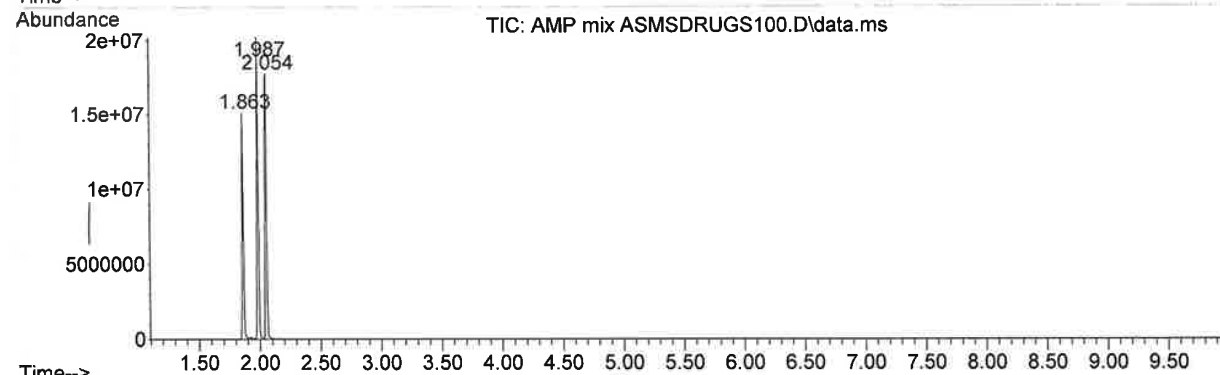
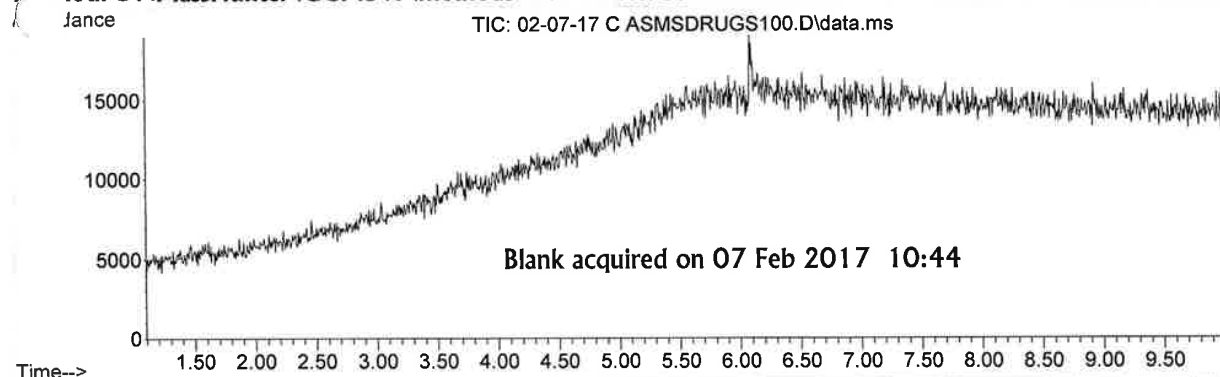
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-07-17\AMP mix ASMSDRUGS100.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 07 Feb 2017 10:56 in vial #

Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-07-17\AMP mix ASMSDRUGS100.D

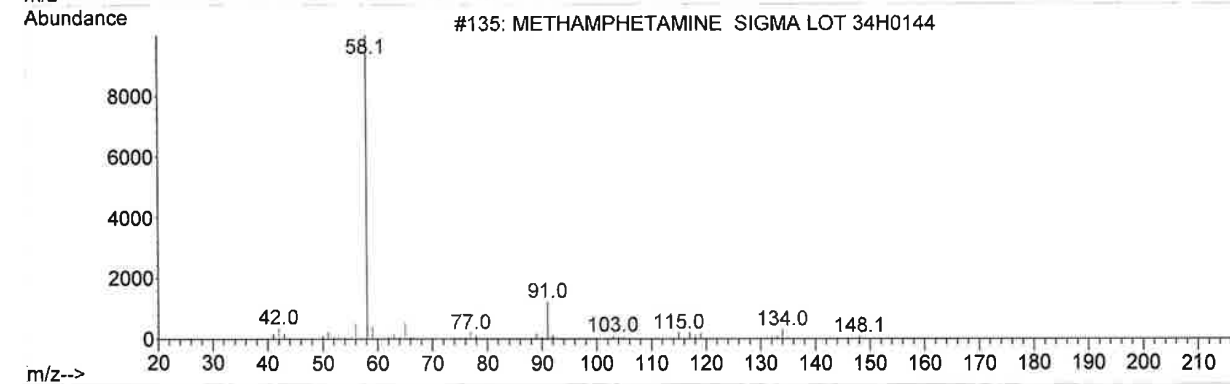
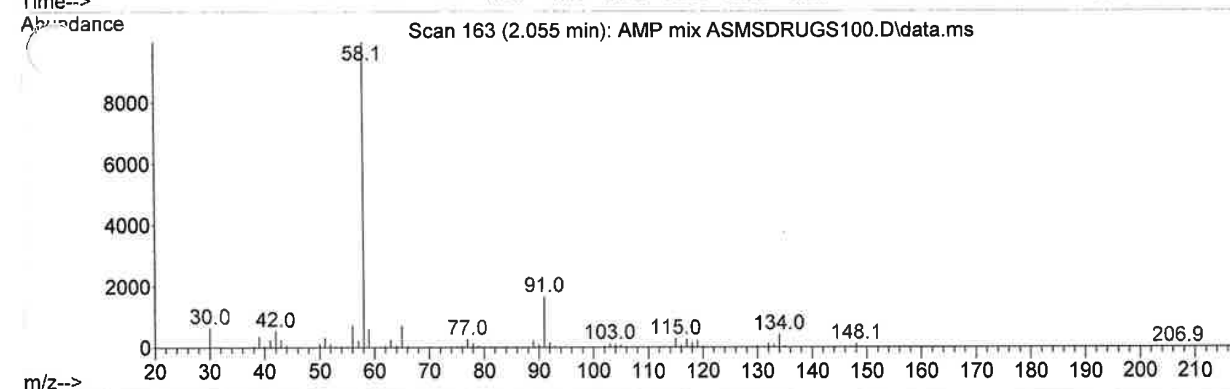
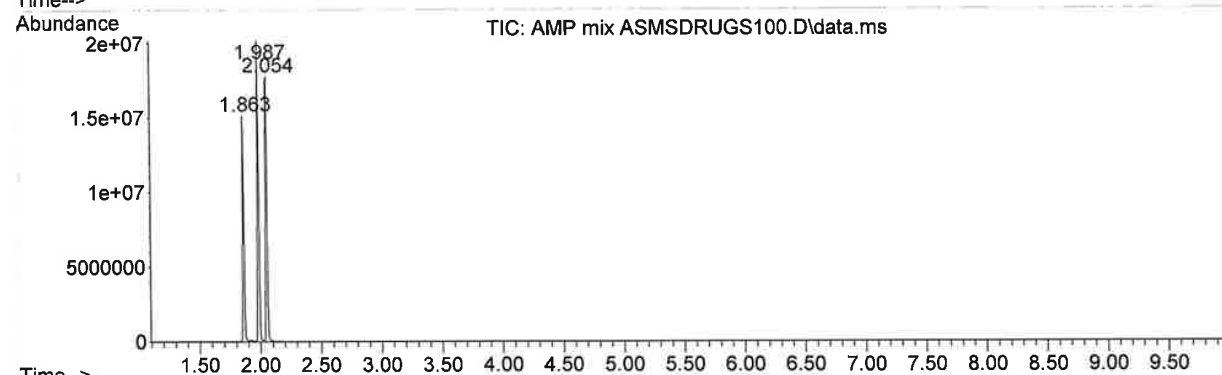
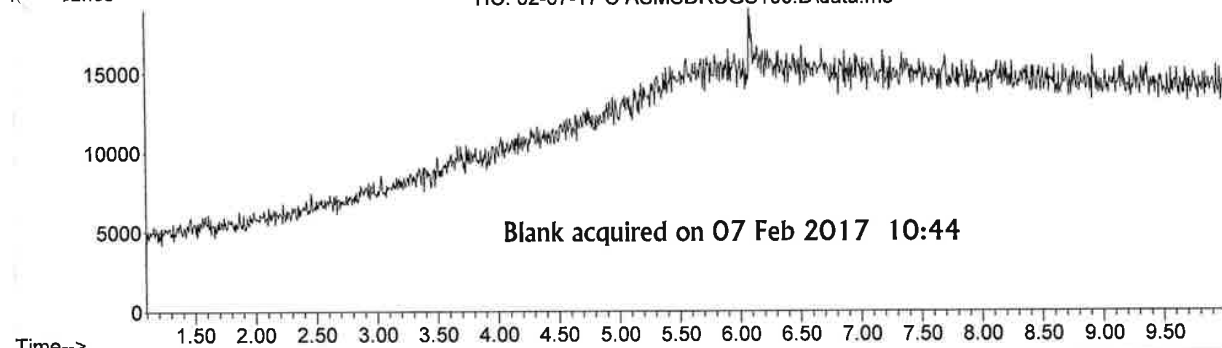
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 07 Feb 2017 10:56 in vial #

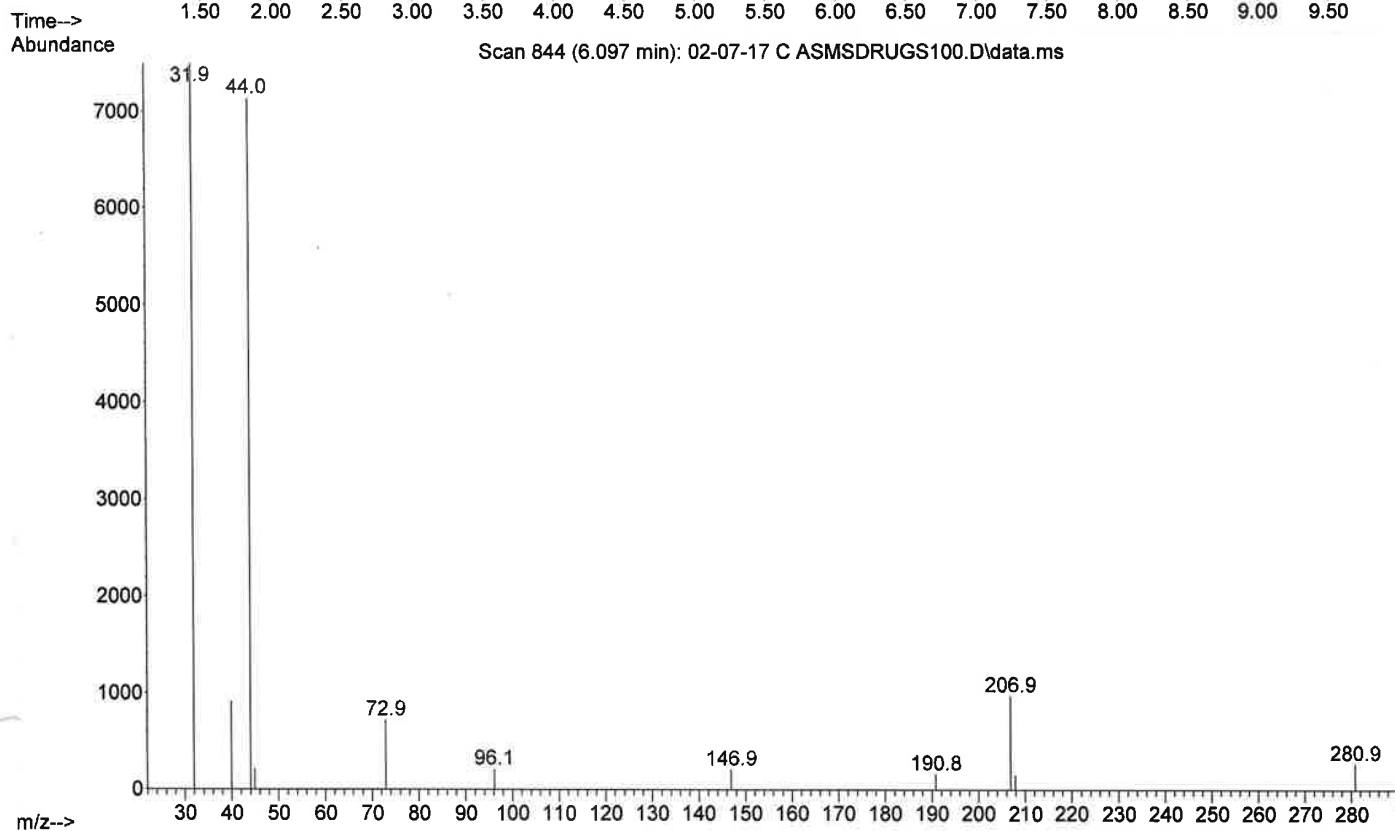
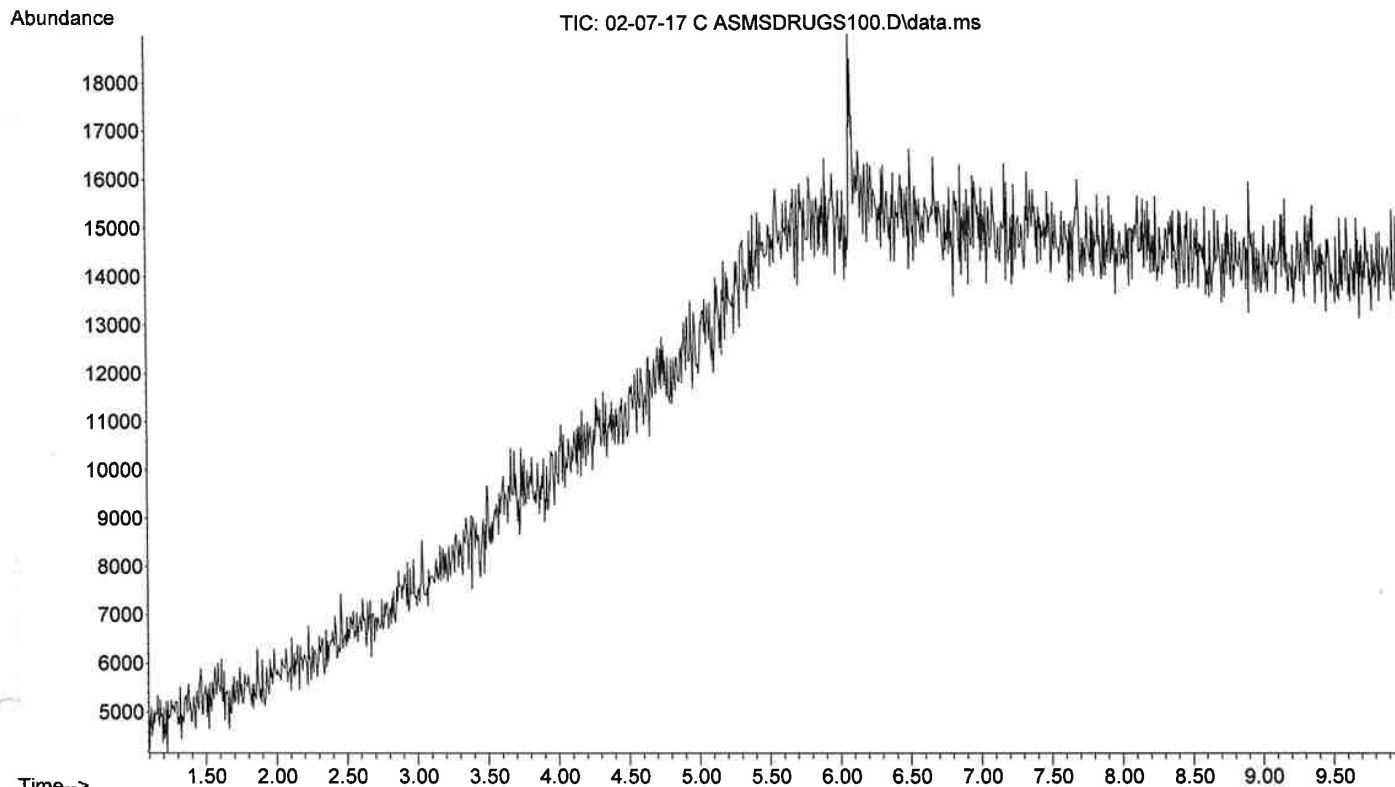
Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M

Blank acquired on 07 Feb 2017 10:44



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-07-17\02-07-17
... C ASMSDRUGS100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Feb 2017 10:44 using AcqMethod ASMSDRUGS100.M
Sample Name: Chloroform Blank 02/07/17
Misc Info : Chloroform1 100-280c @70c/min for 10 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

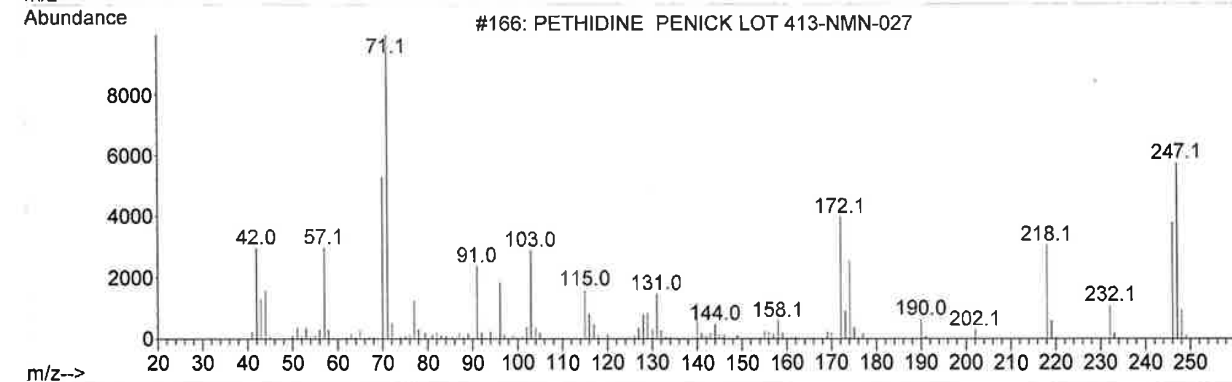
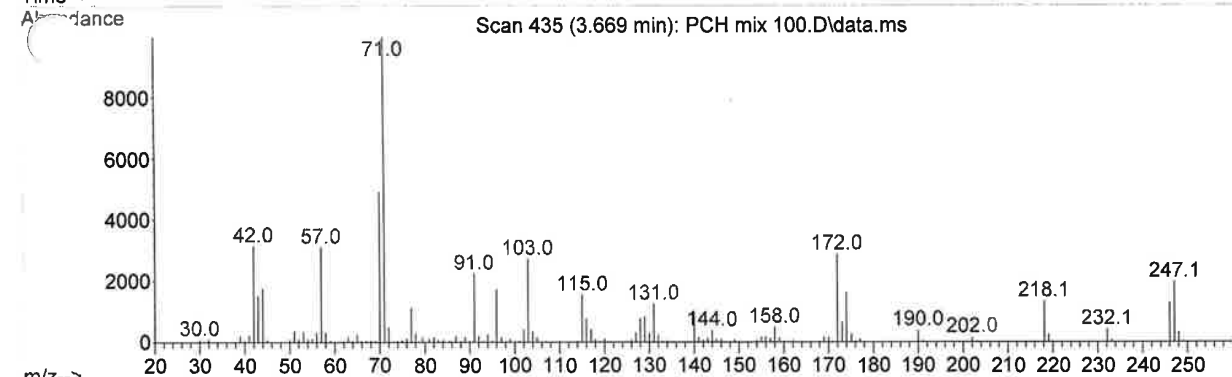
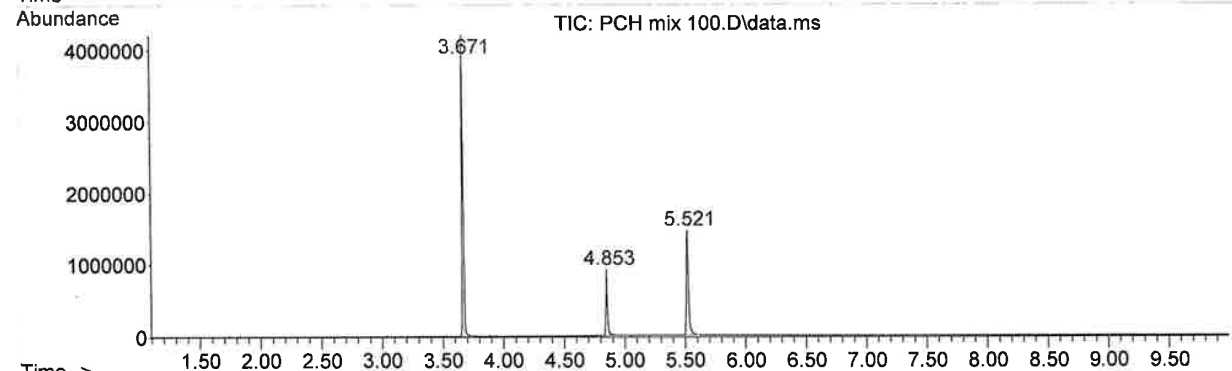
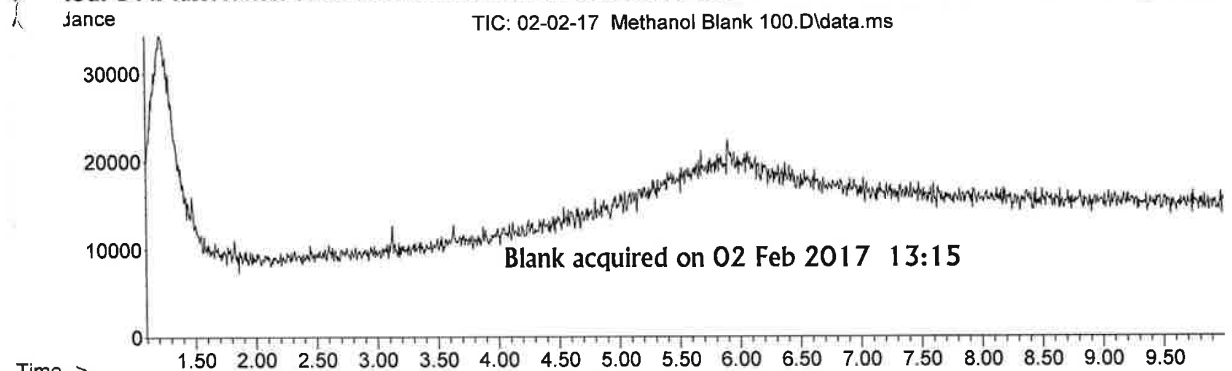
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 100.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 13:28 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

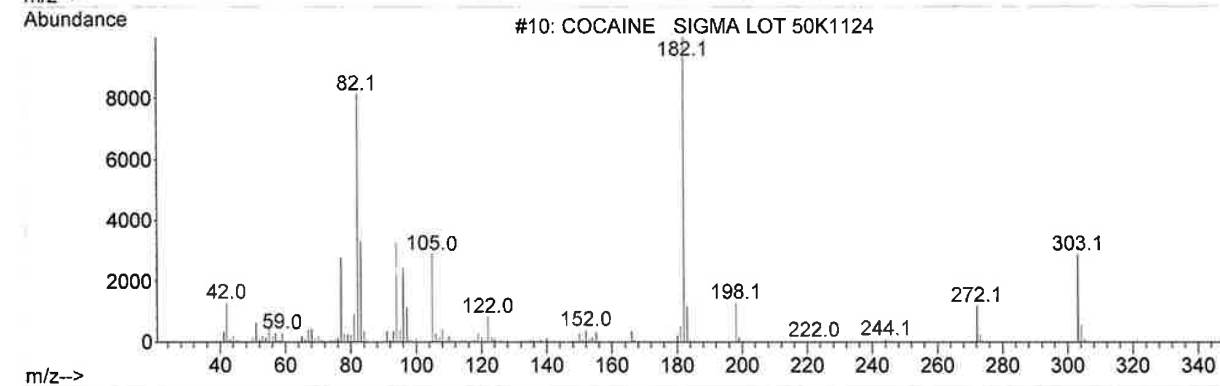
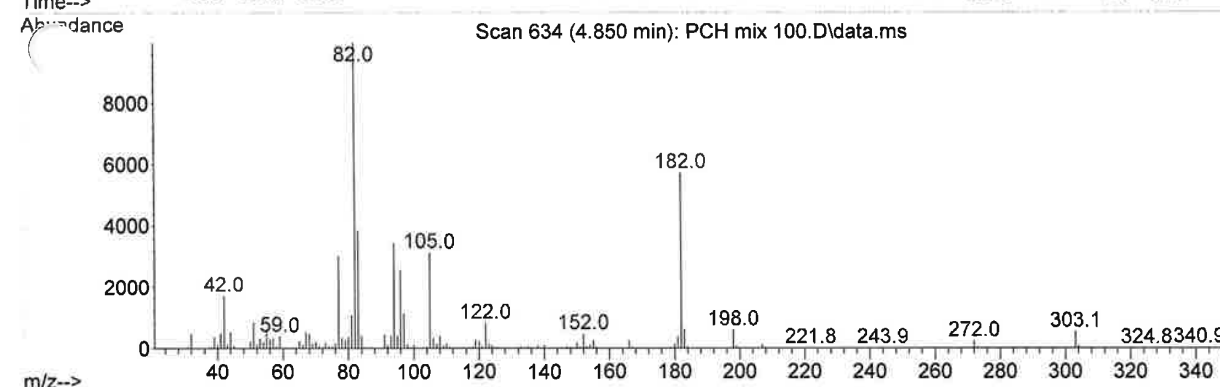
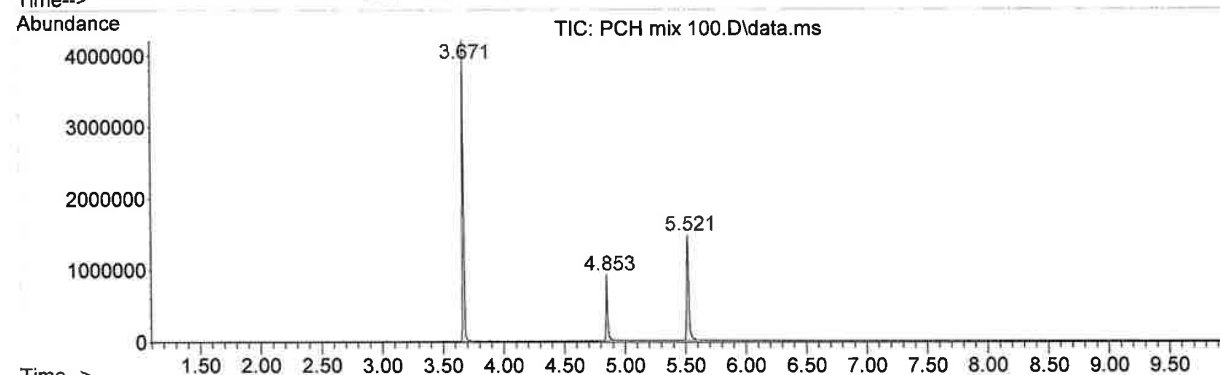
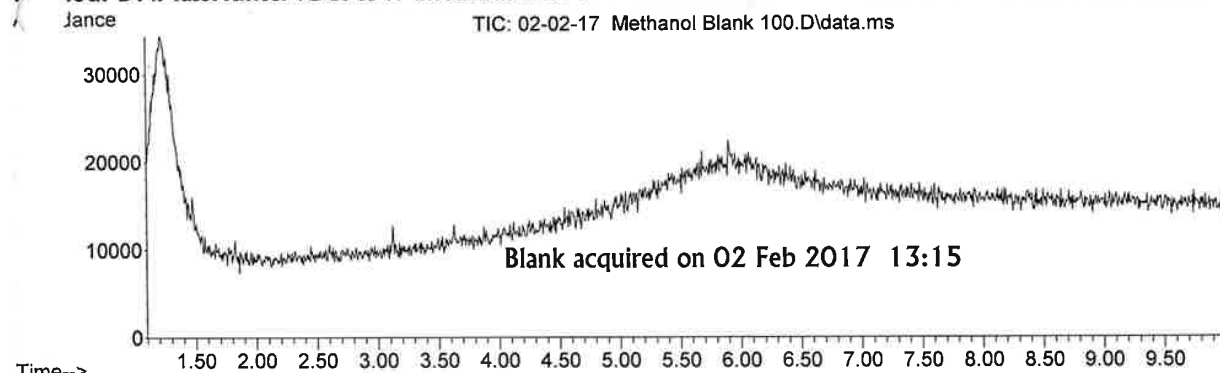
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 100.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 13:28 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 100.D

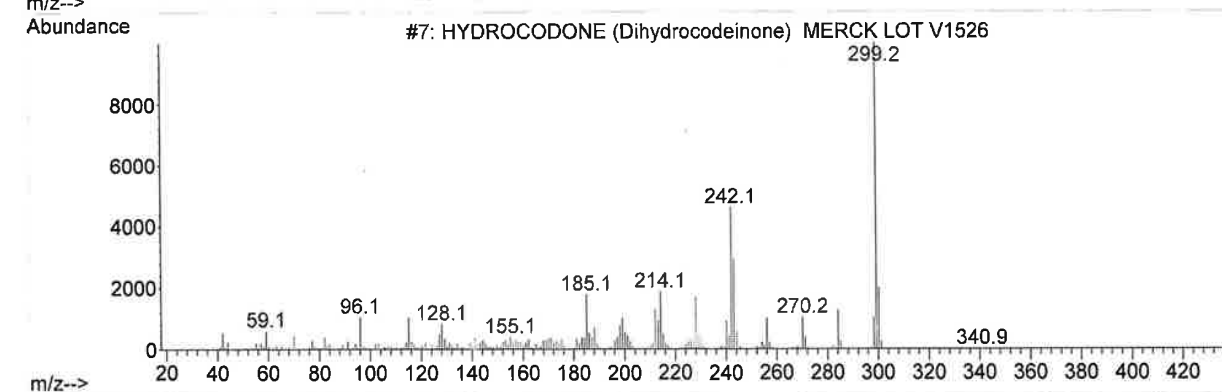
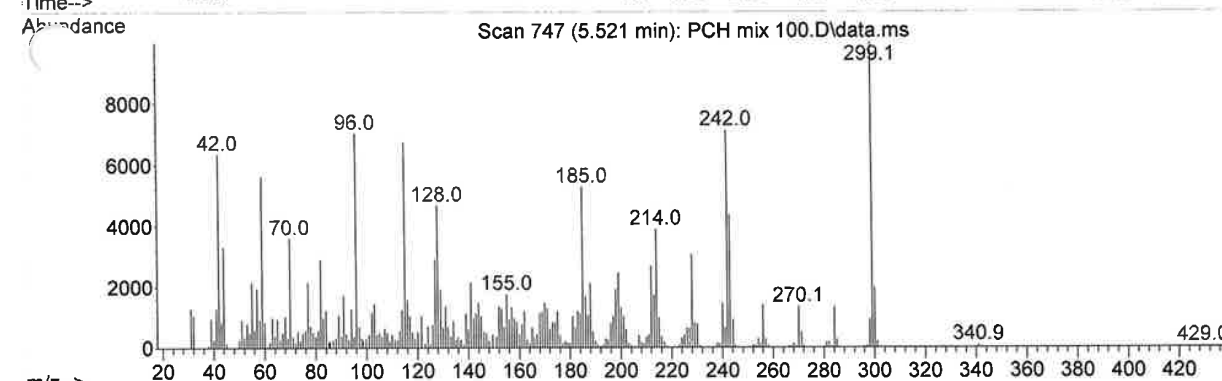
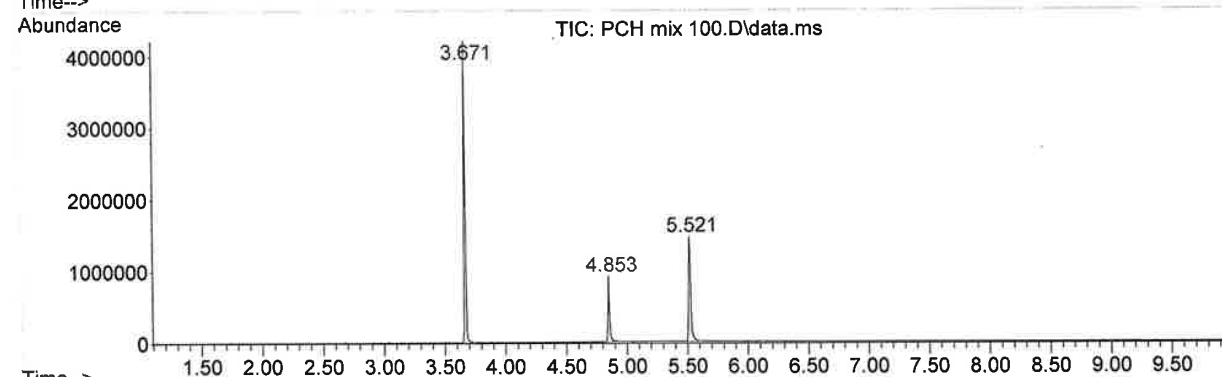
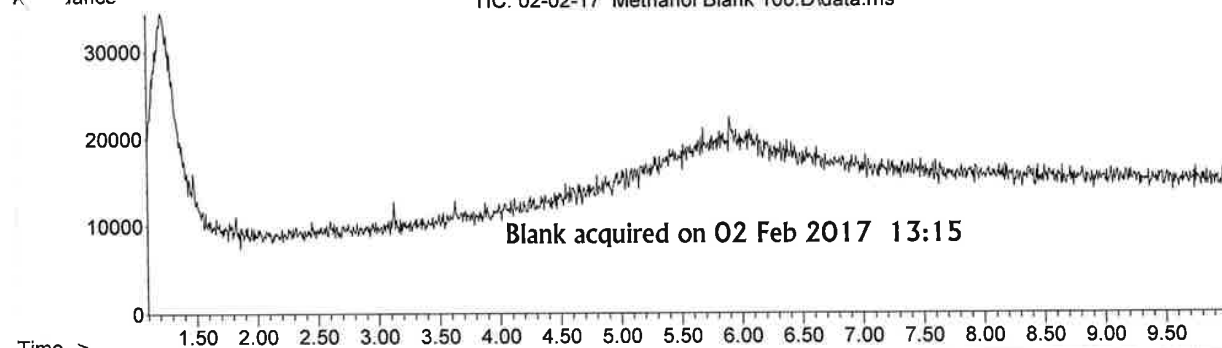
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 13:28 in vial #

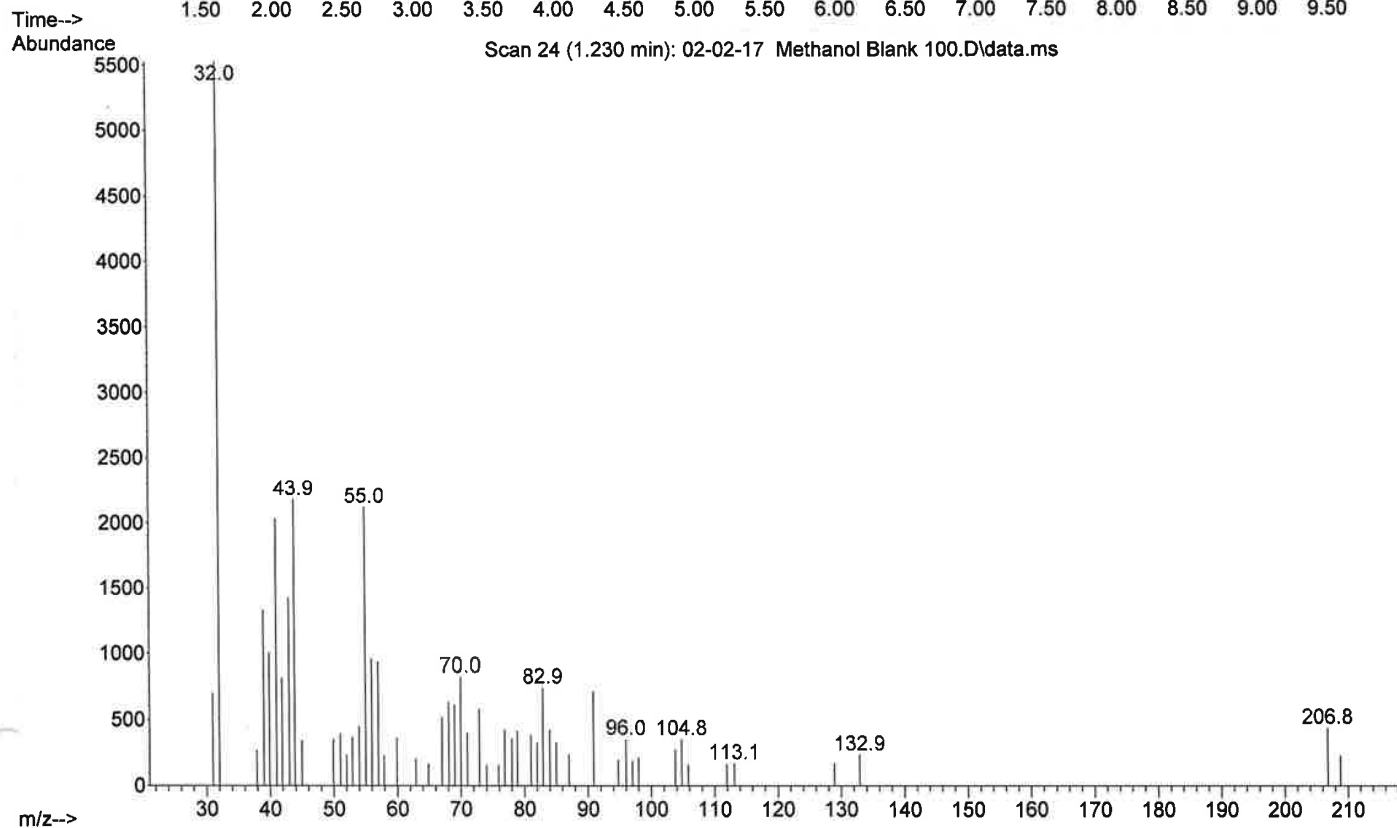
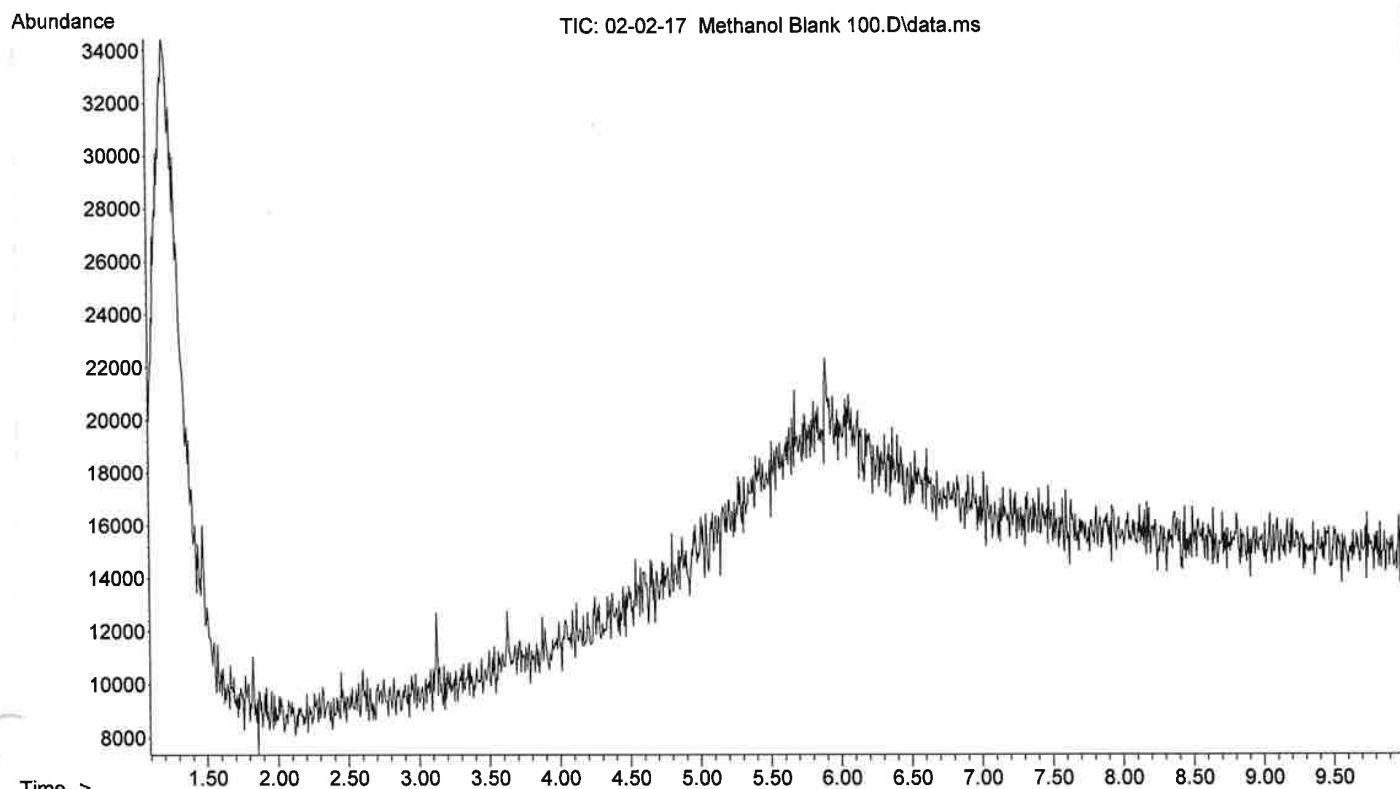
Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS100.M

Blank acquired on 02 Feb 2017 13:15



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\02-02-17
... Methanol Blank 100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Feb 2017 13:15 using AcqMethod ASMSDRUGS100.M
File Name: 02-02-17 Methanol Blank
Info : Methanol 100-280c @70c/min for 10 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

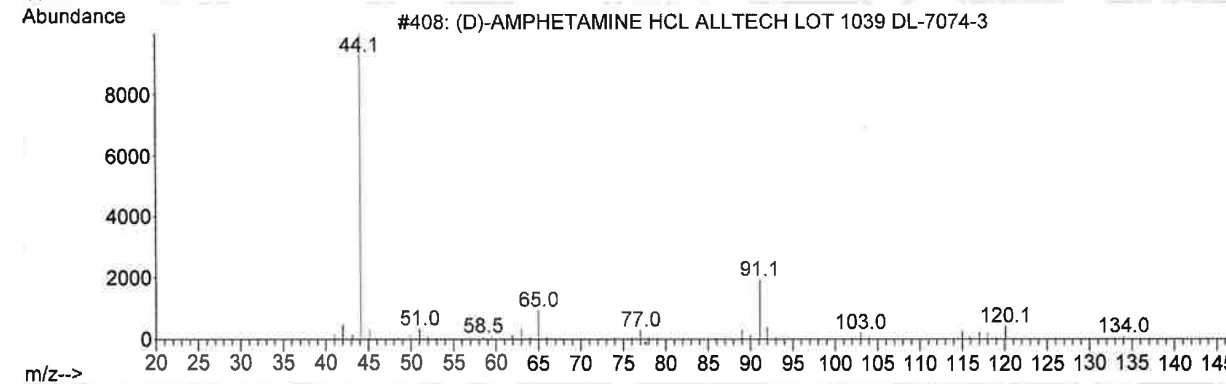
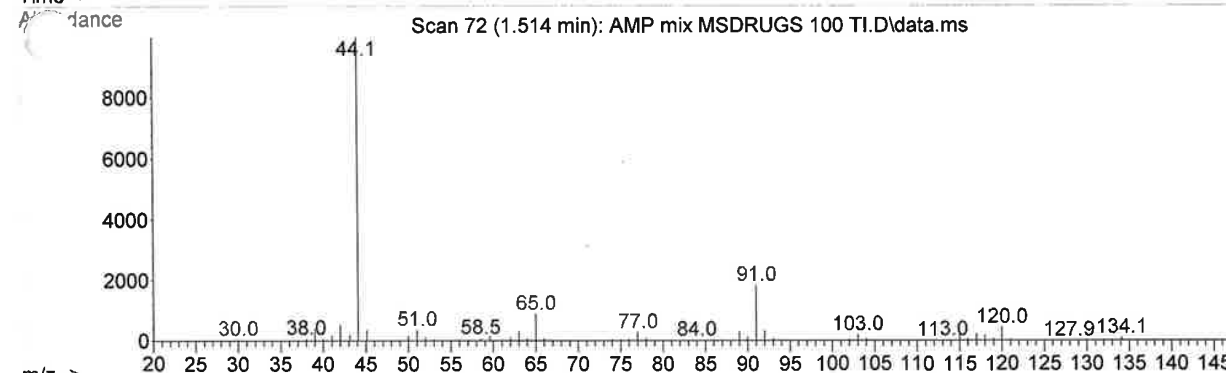
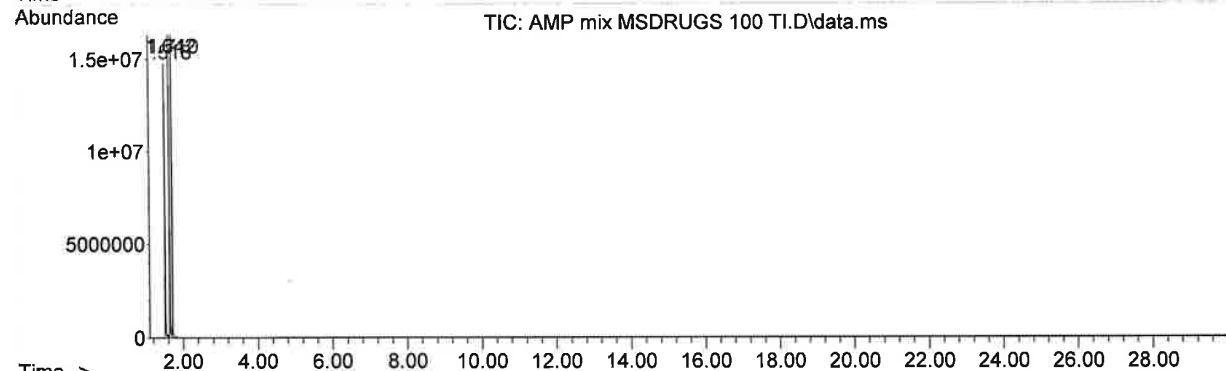
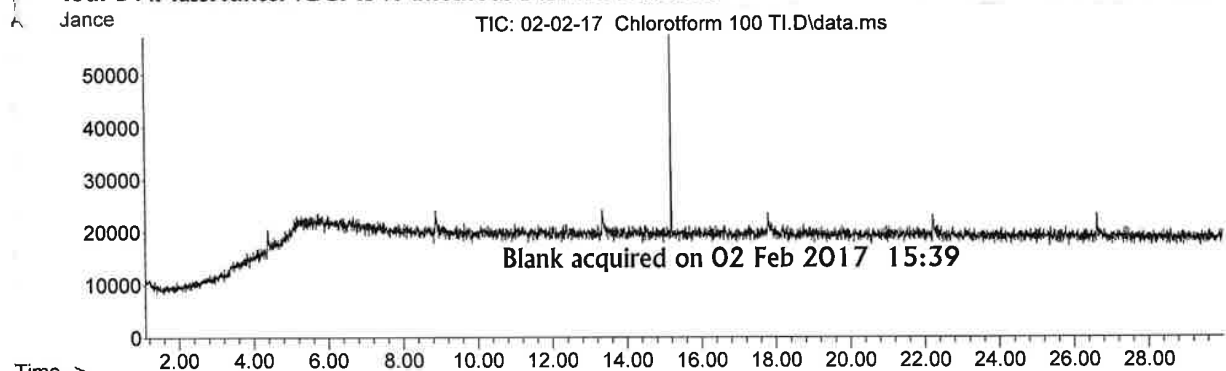
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\AMP mix MSDRUGS 100 TI.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 16:12 in vial #

Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 100-280c @70c/min for 30 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

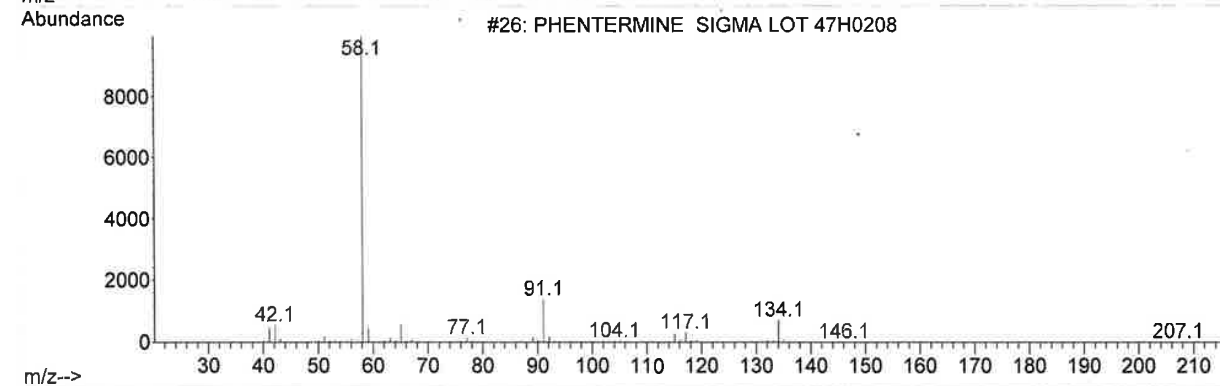
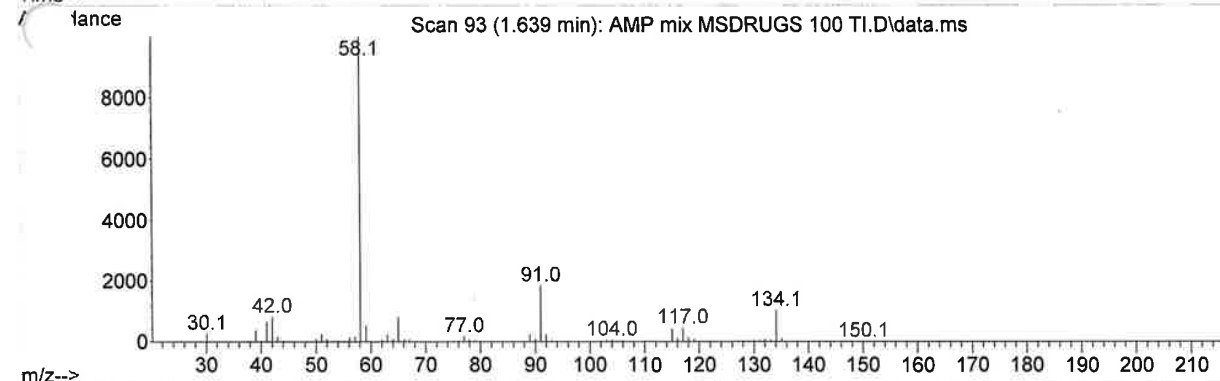
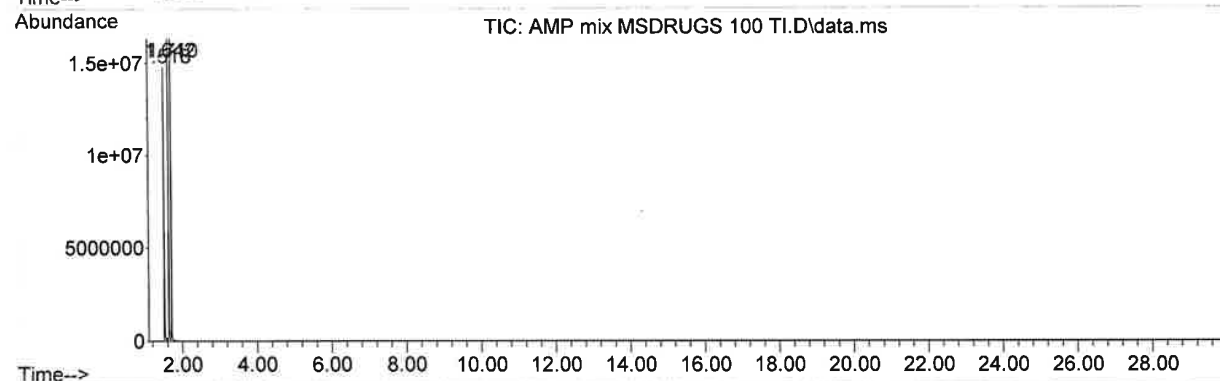
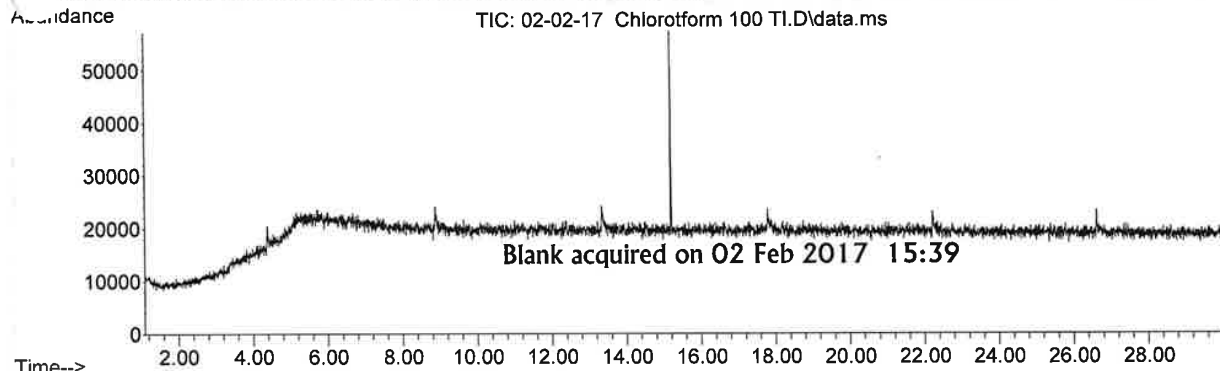
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\AMP mix MSDRUGS 100 TI.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 16:12 in vial #

Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 100-280c @70c/min for 30 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

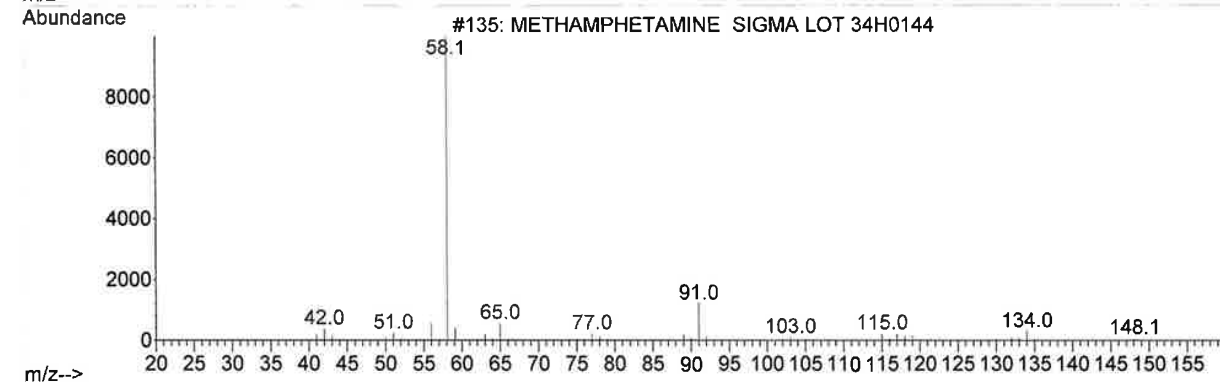
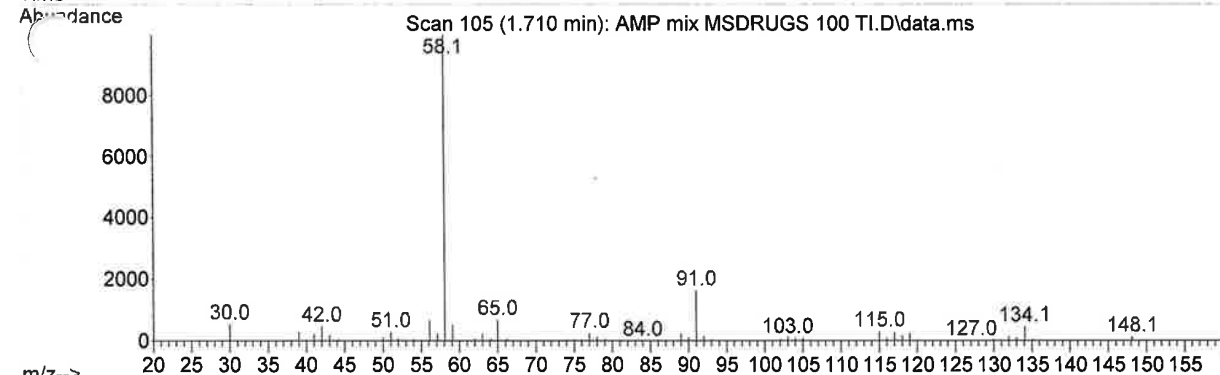
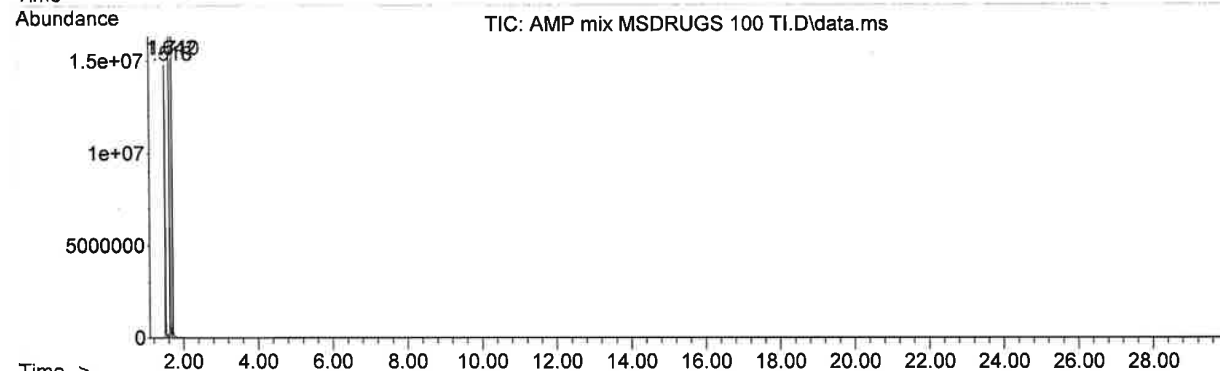
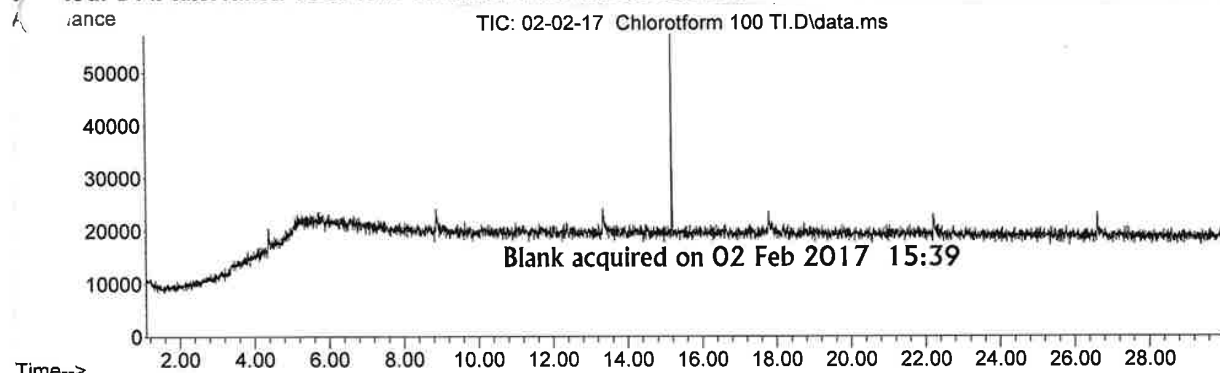
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\AMP mix MSDRUGS 100 TI.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

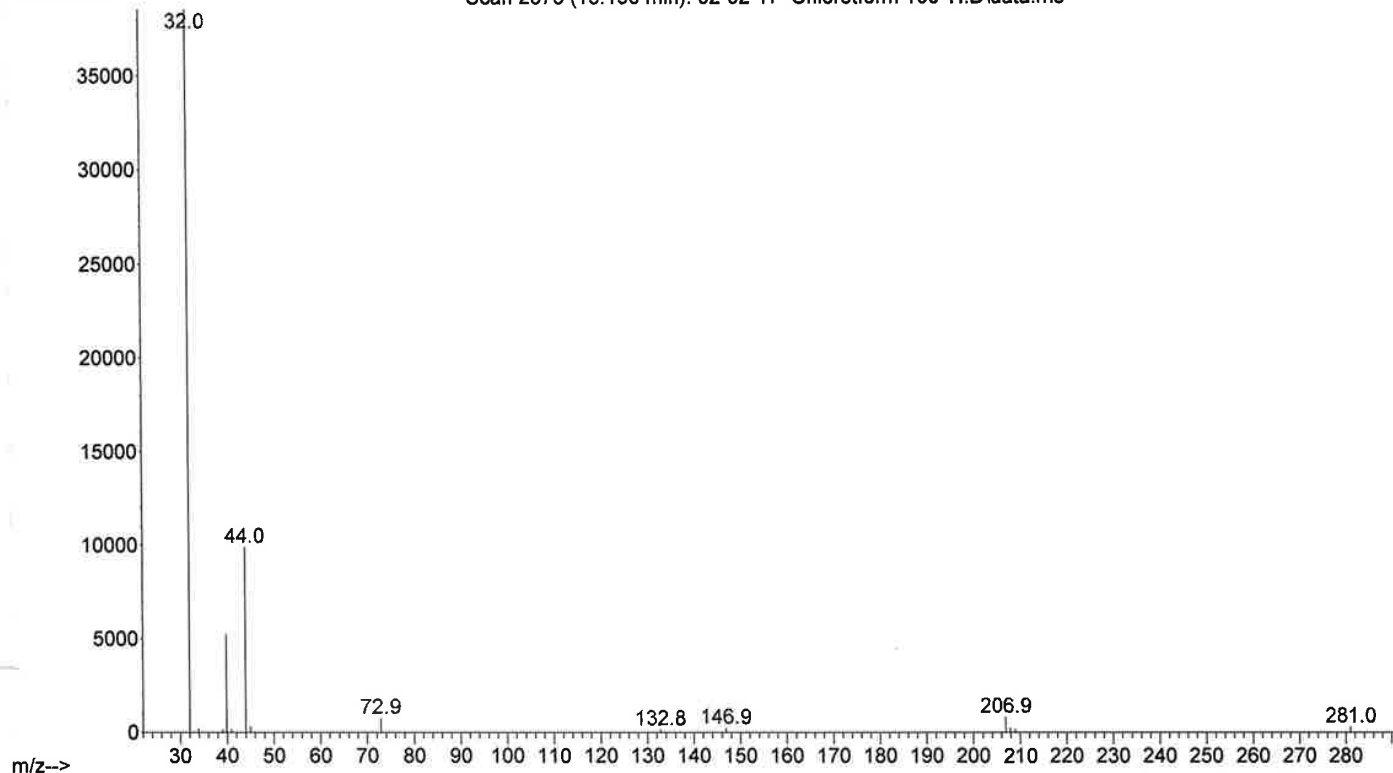
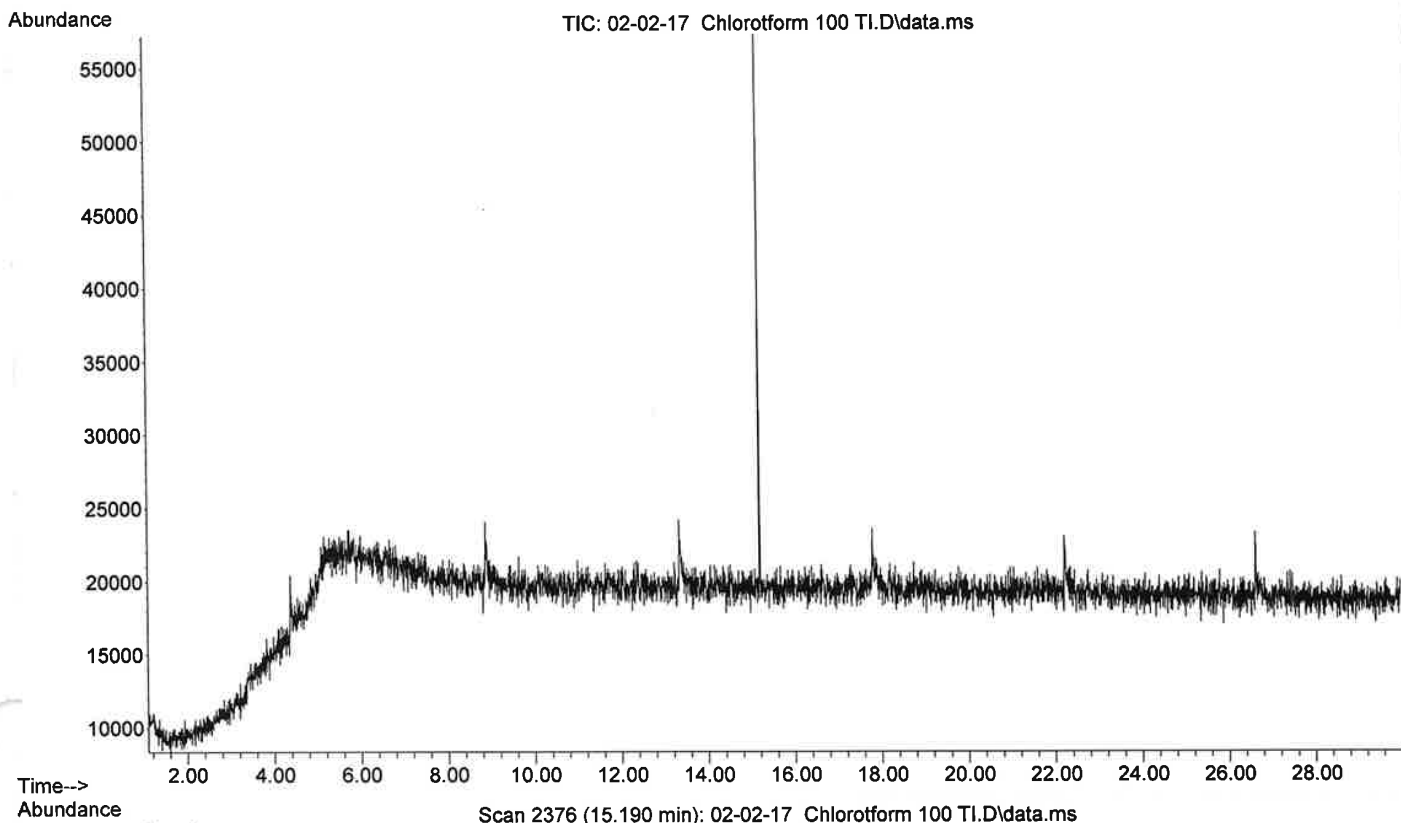
Acquired by Lela Jackson on 02 Feb 2017 16:12 in vial #

Information: Amphetamine, Methamphetamine, Phentermine Misc.: Chloroform 100-280c @70c/min for 30 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\02-02-17
... Chloroform 100 TI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Feb 2017 15:39 using AcqMethod ASMSDRUGSTI.M
File Name: 02-02-17 Chloroform Blank
Misc Info : Chloroform 100-280c @70c/min for 30 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 100TI.D

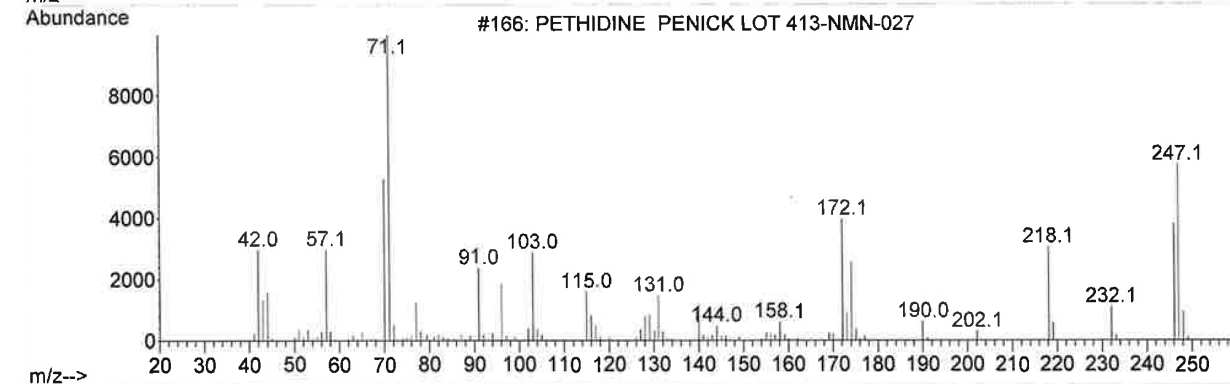
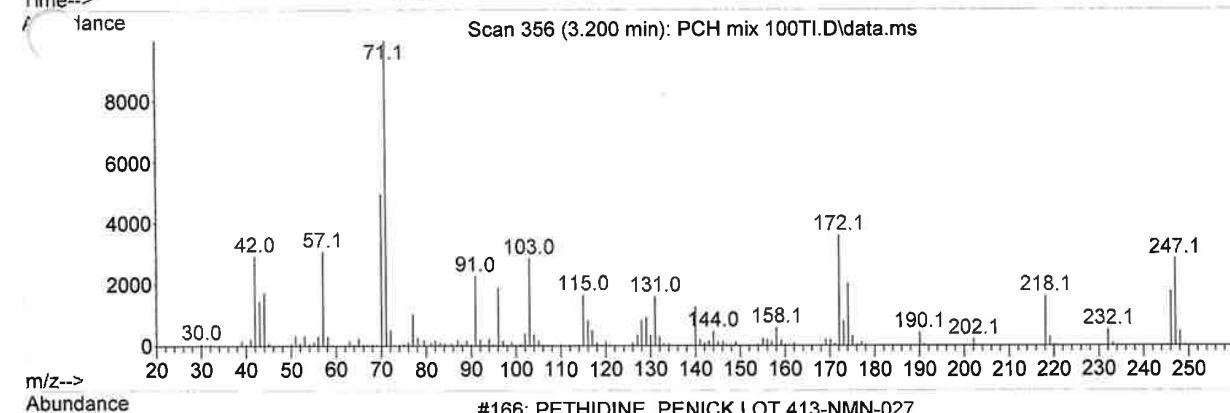
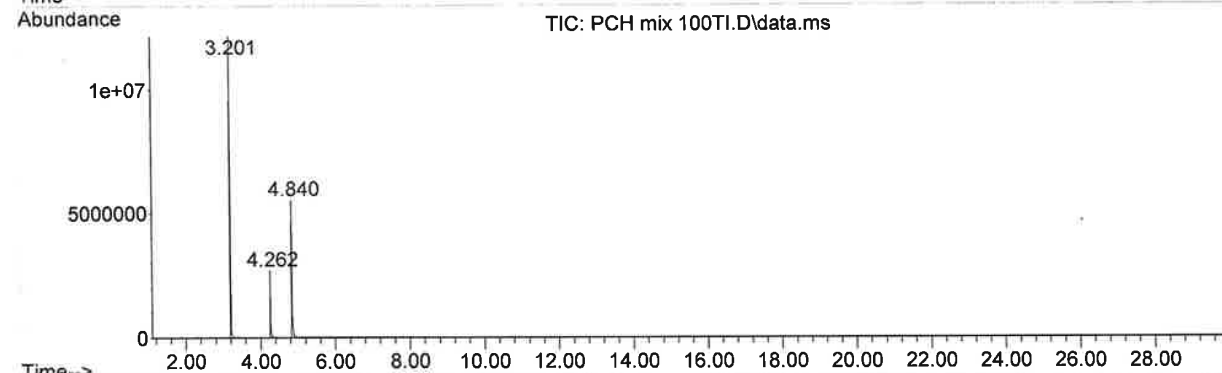
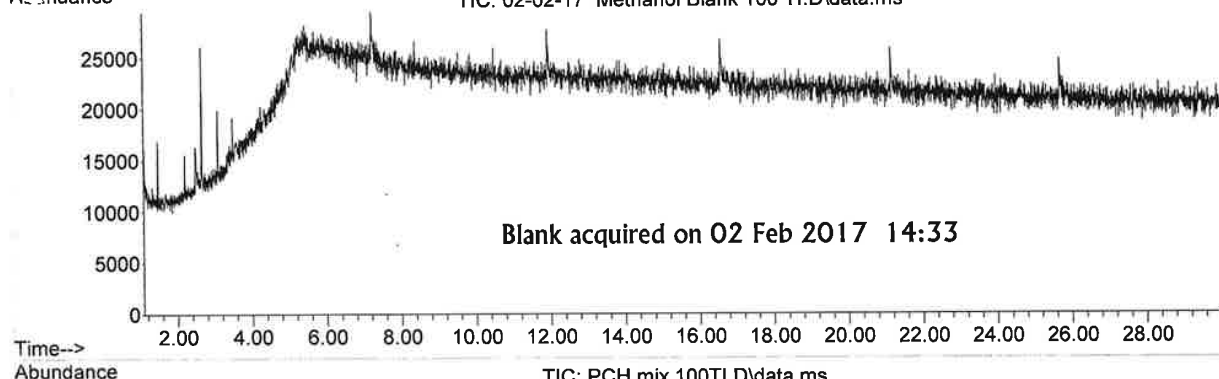
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 15:06 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 30 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M

Abundance TIC: 02-02-17 Methanol Blank 100 TI.D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 100TI.D

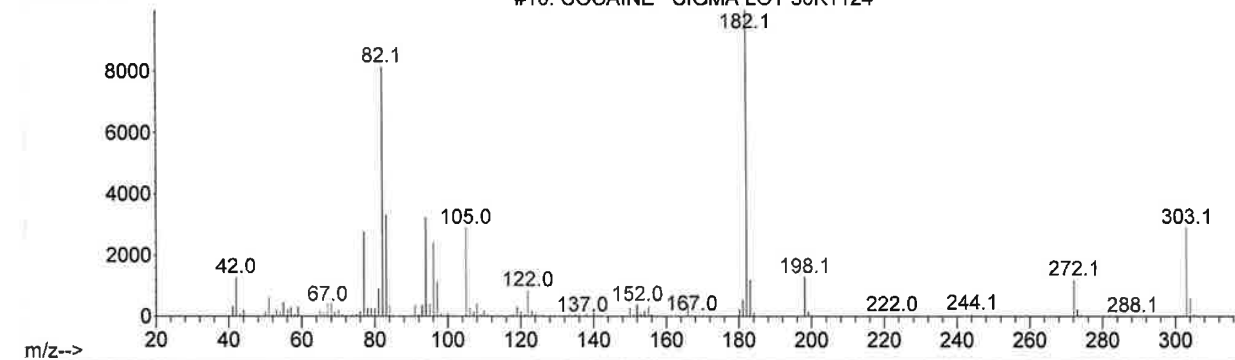
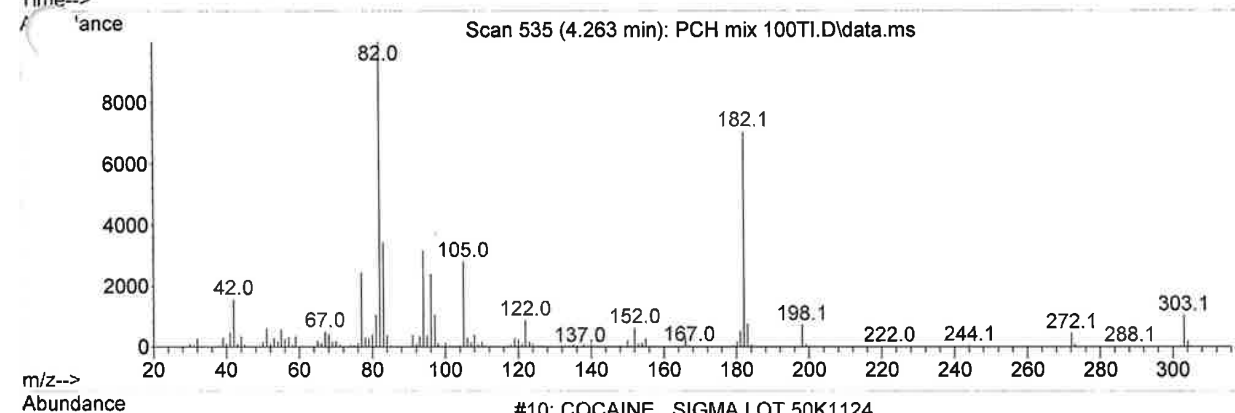
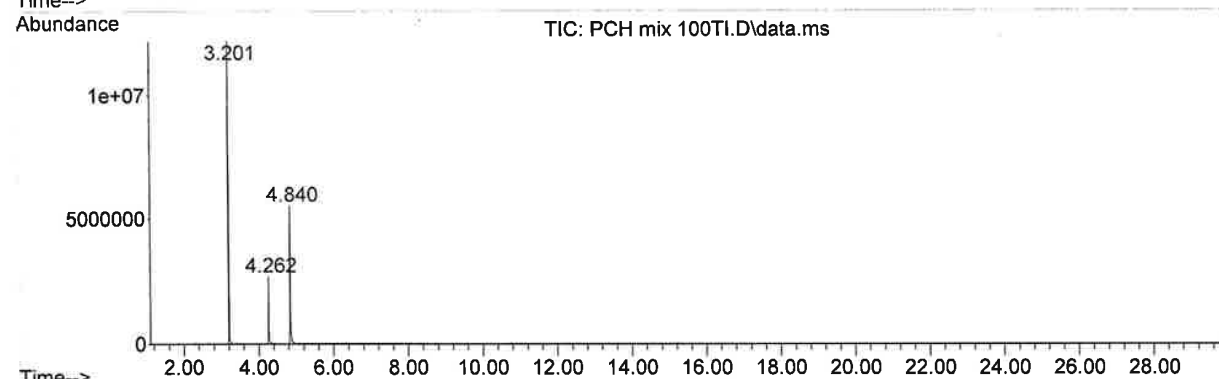
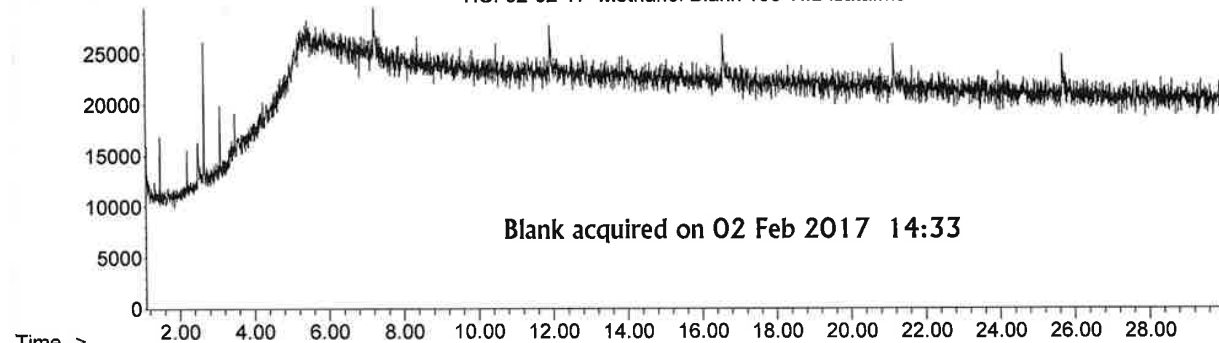
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 15:06 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 30 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M

Abundance TIC: 02-02-17 Methanol Blank 100 TI.D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 100TI.D

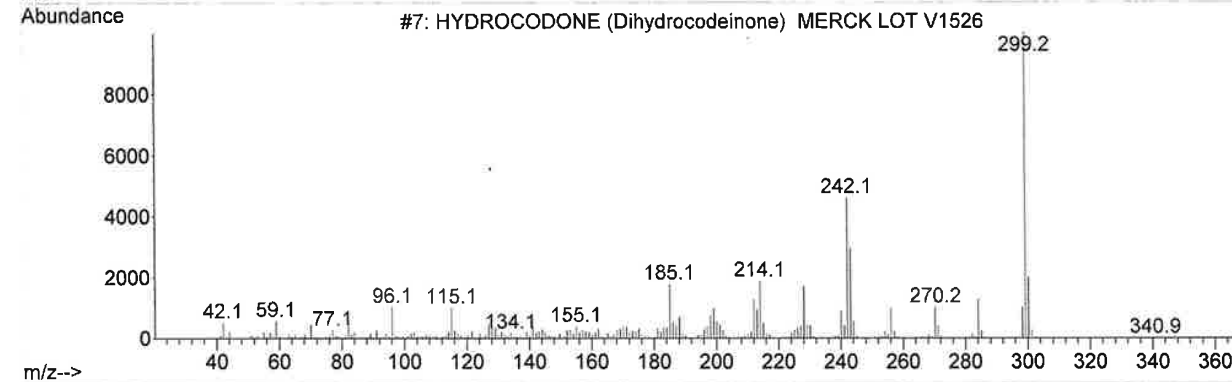
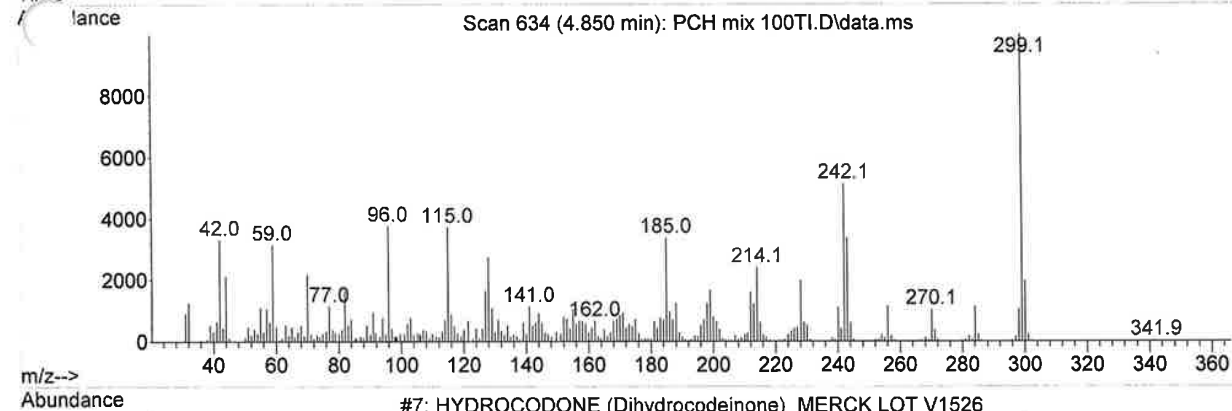
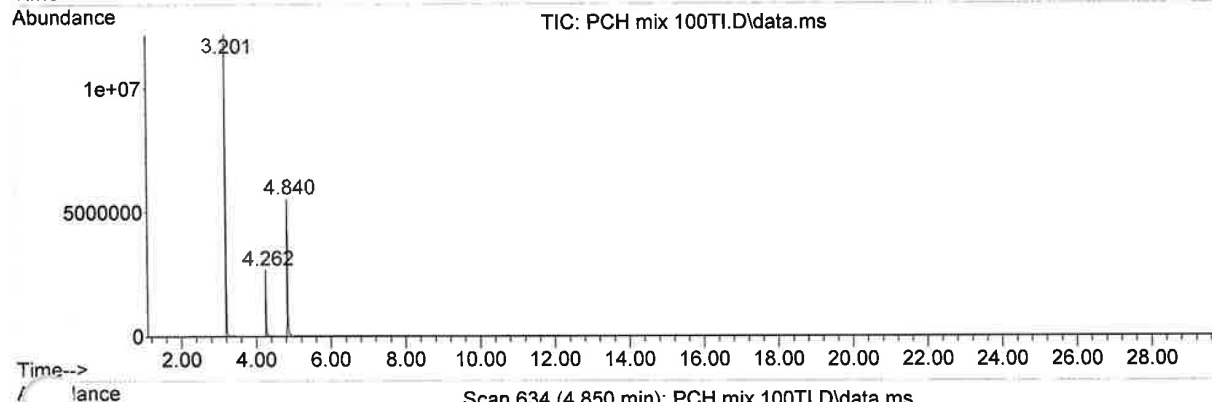
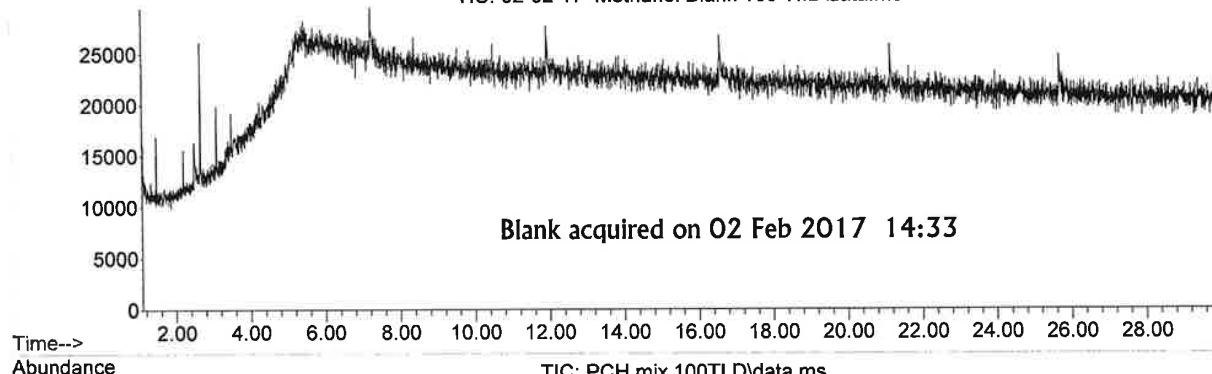
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 15:06 in vial #

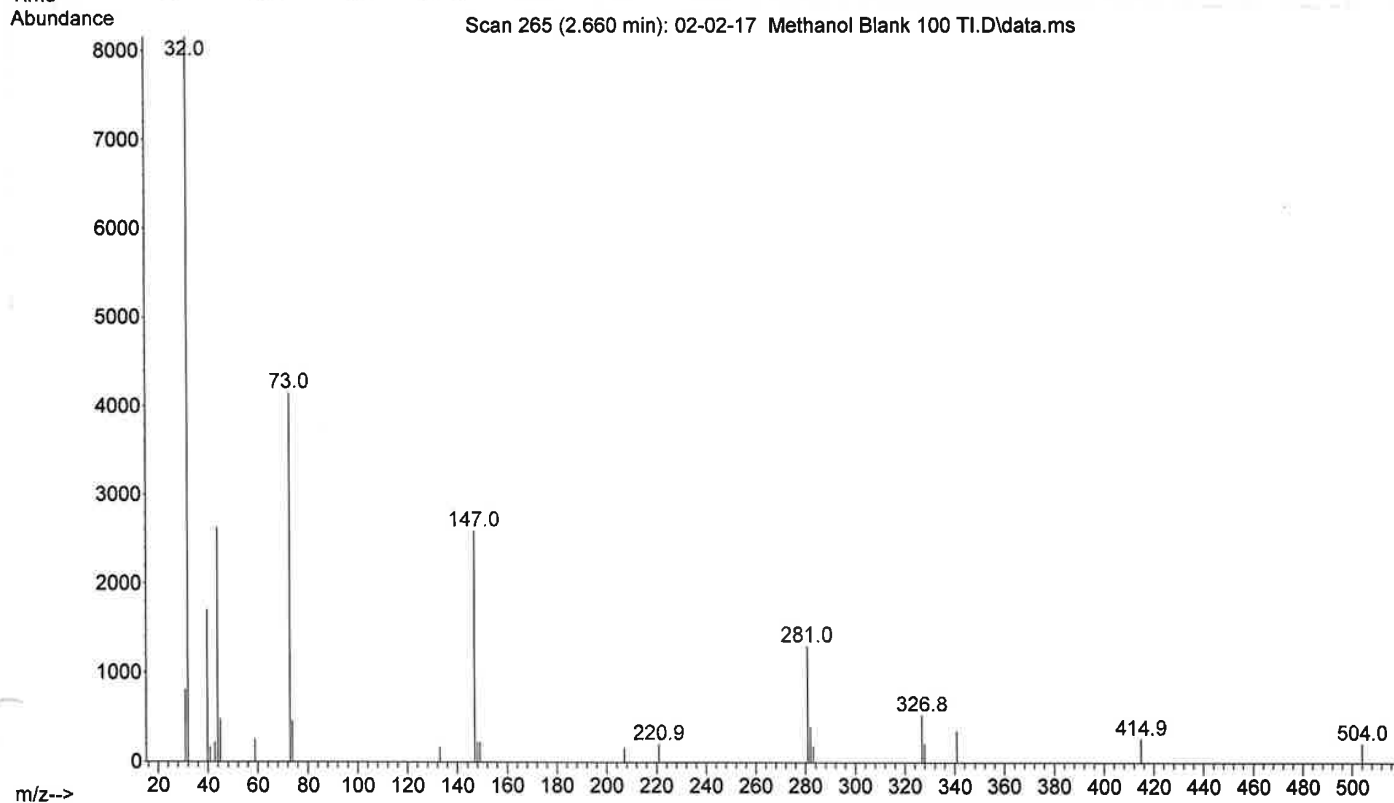
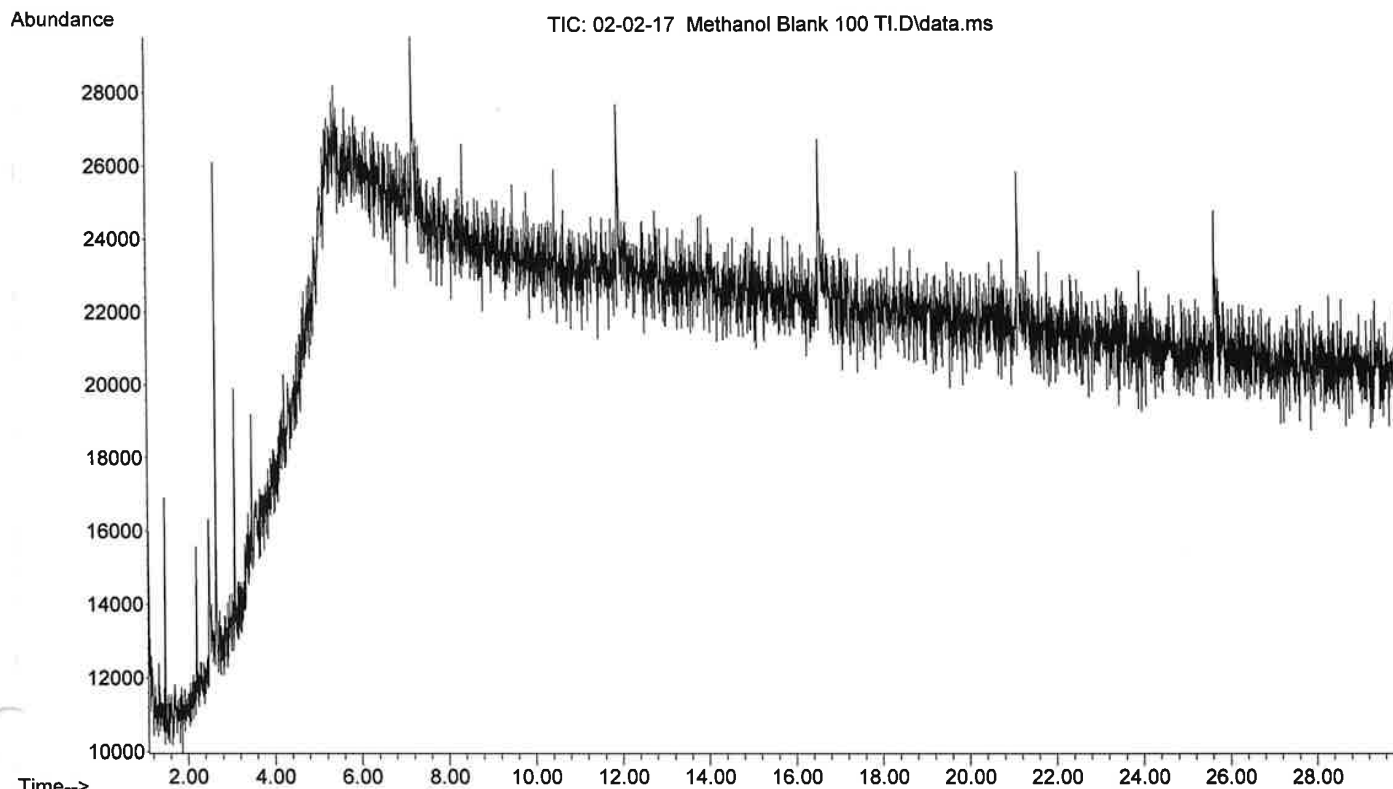
Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 30 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M

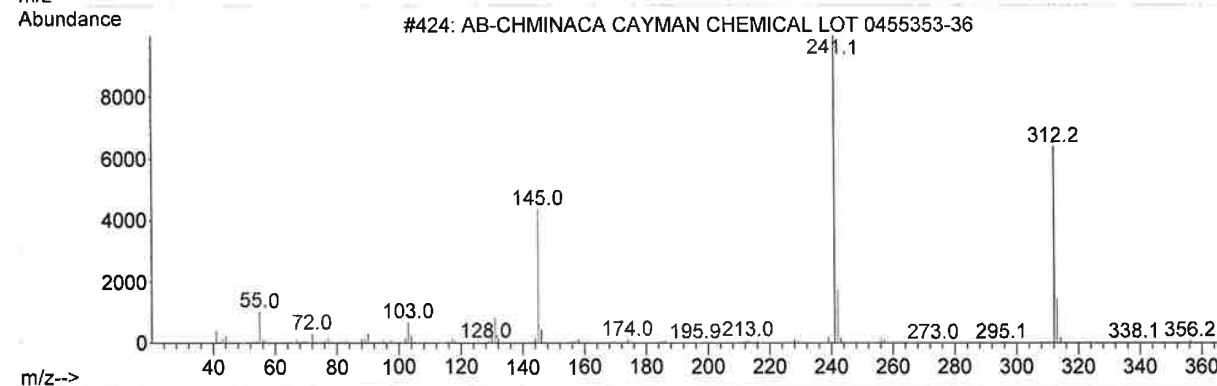
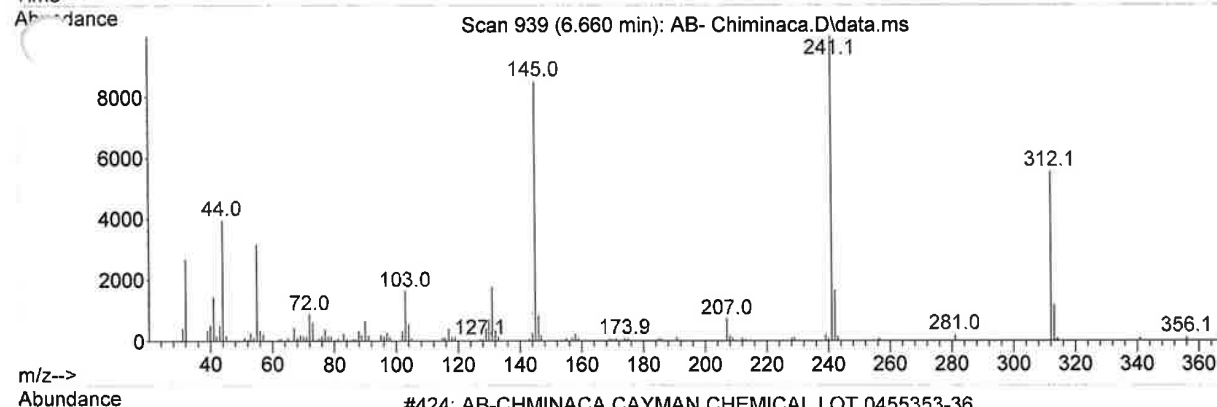
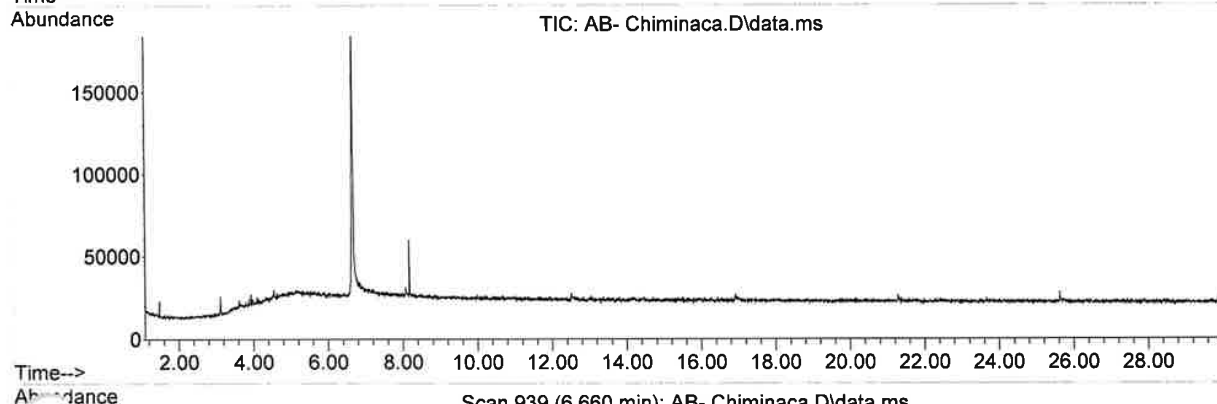
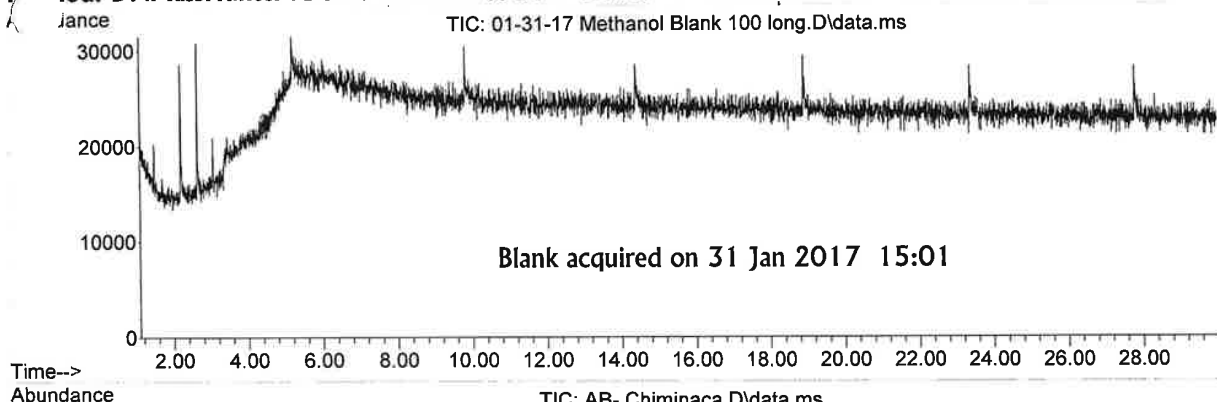
Abundance TIC: 02-02-17 Methanol Blank 100 TI.D\data.ms



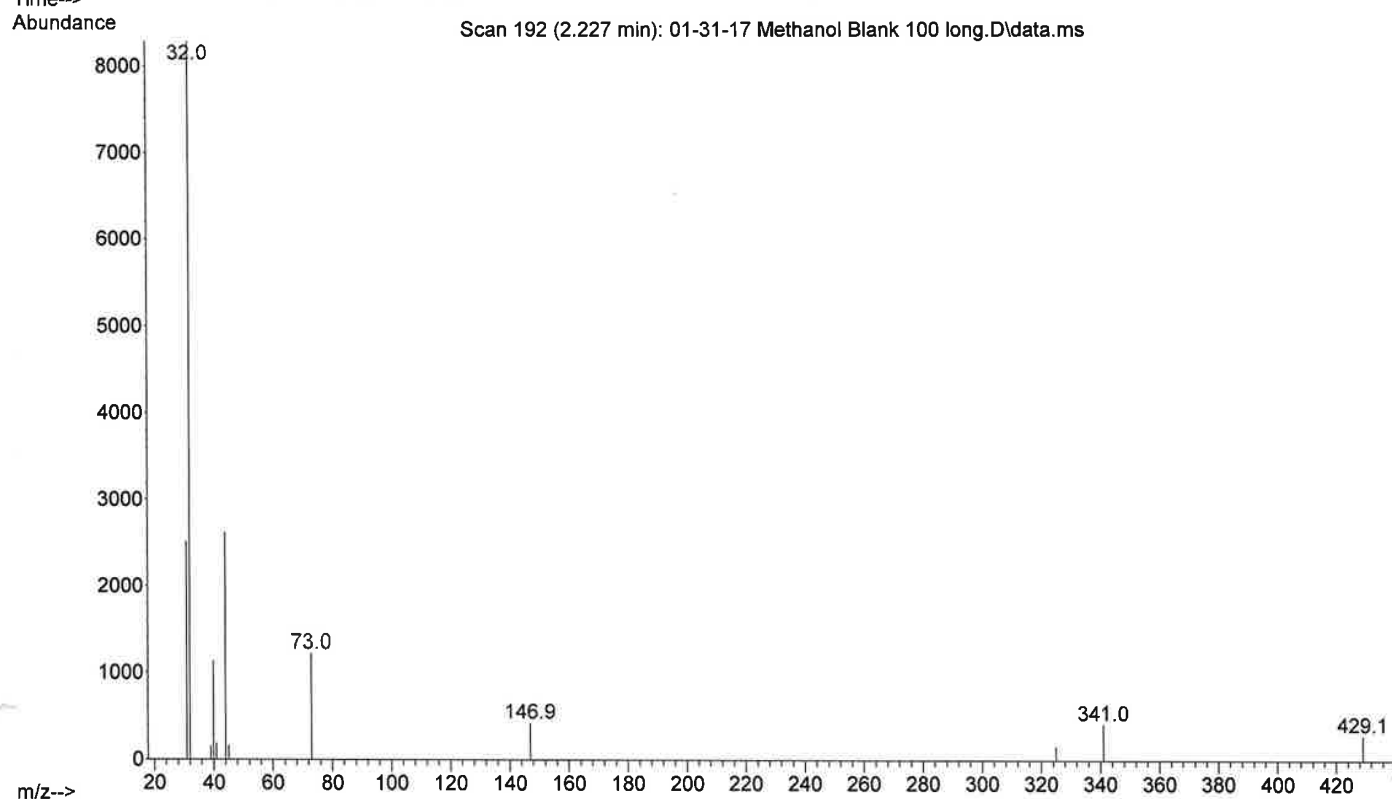
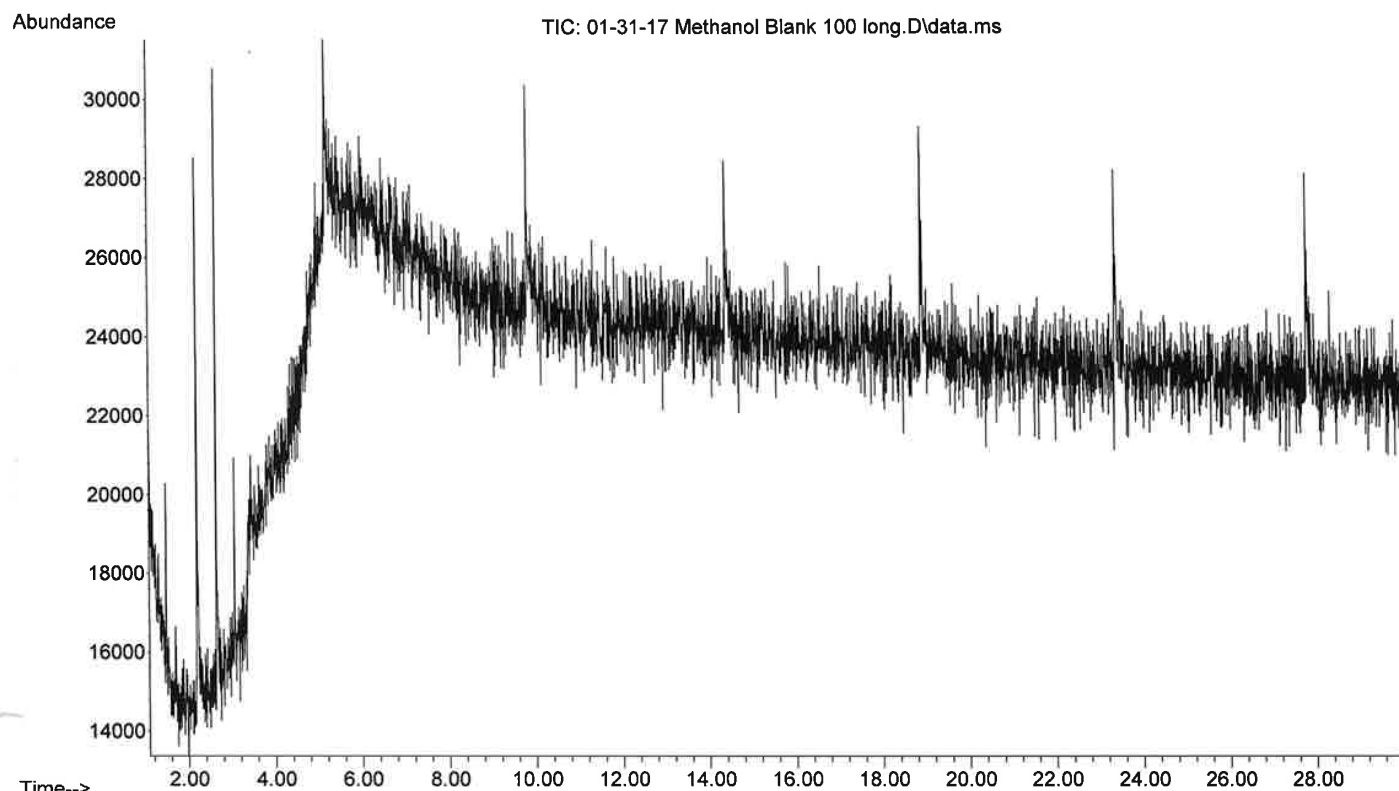
File :D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\02-02-17
... Methanol Blank 100 TI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Feb 2017 14:33 using AcqMethod ASMSDRUGSTI.M
Sample Name: 02-02-17 Methanol Blank
Method Info : Methanol 100-280c @70c/min for 30 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\01-31-17\AB- Chiminaca.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 31 Jan 2017 15:34 in vial #
Information: AB-Chiminaca Misc.: Cayman Lot # 0455353-36 Methanol Exp 10/3/17
Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGSTI.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\01-31-17\01-31-17
... Methanol Blank 100 long.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 31 Jan 2017 15:01 using AcqMethod ASMSDRUGSTI.M
File Name: 01-31-17 Methanol Blank
Info : Methanol Blank



Tennessee Bureau of Investigation: Nashville Crime Laboratory

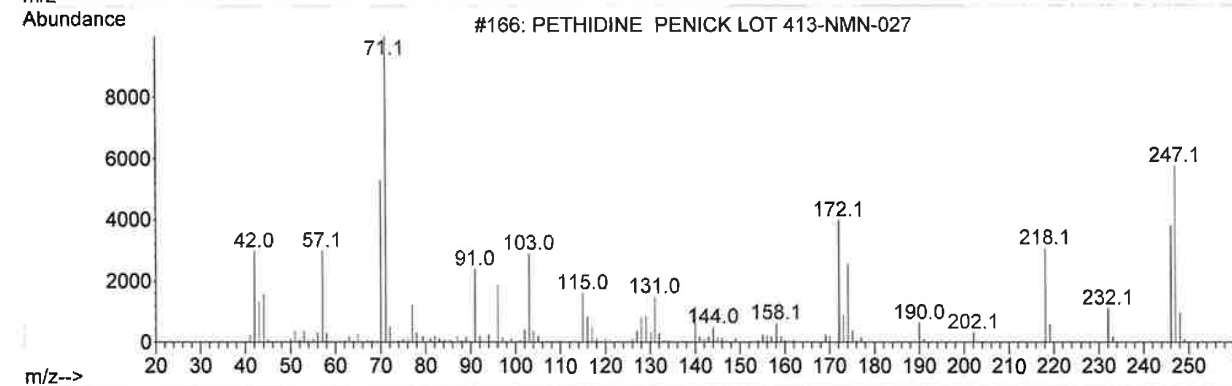
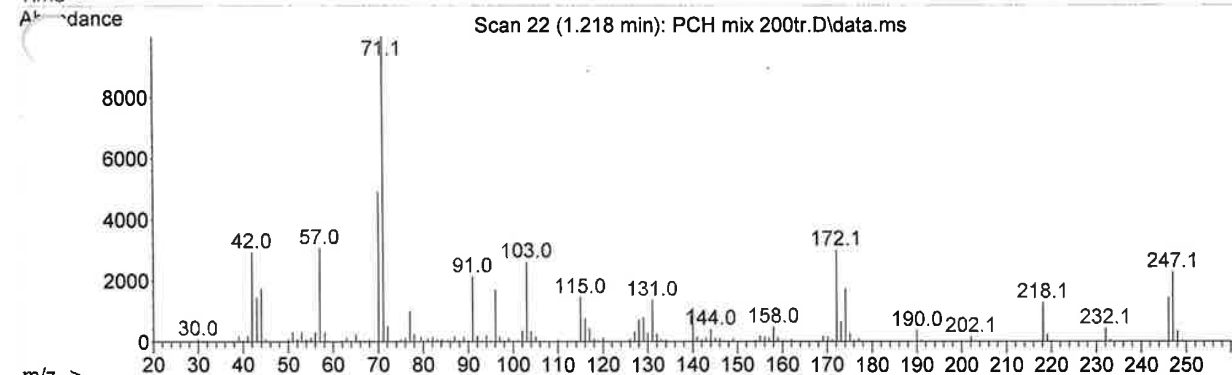
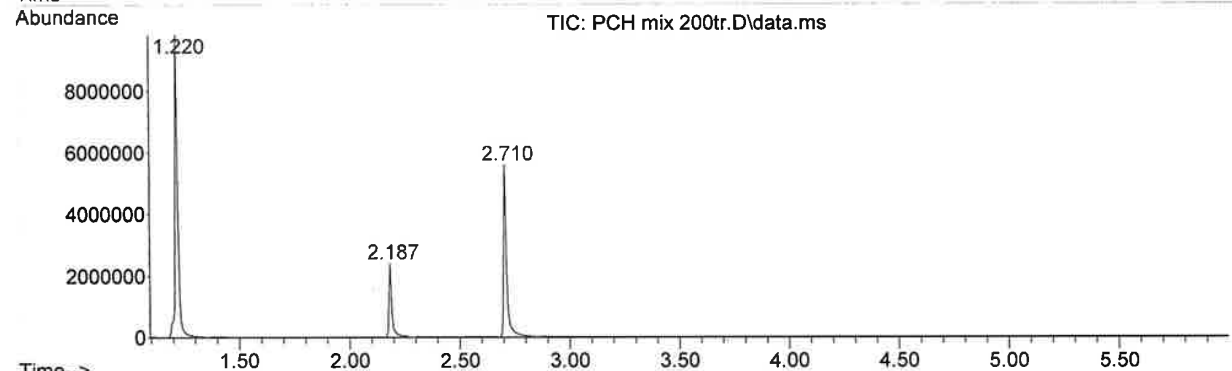
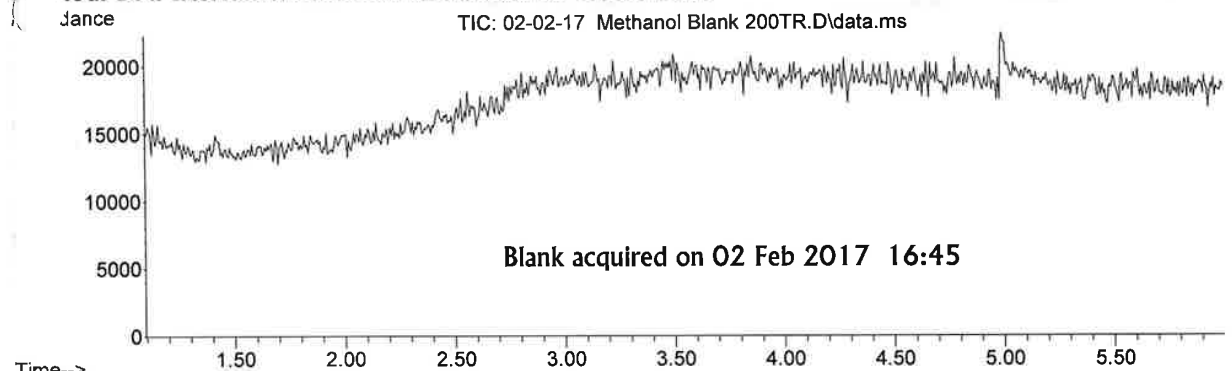
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 200tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 16:54 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS200TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

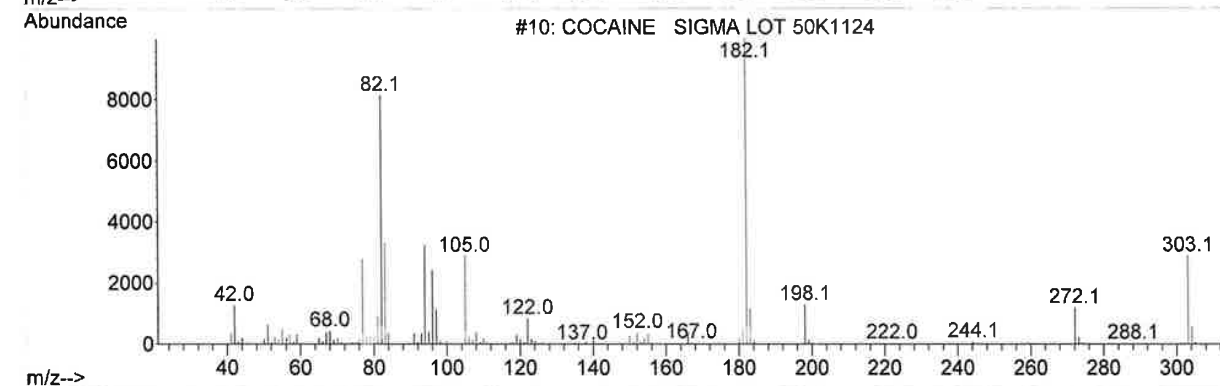
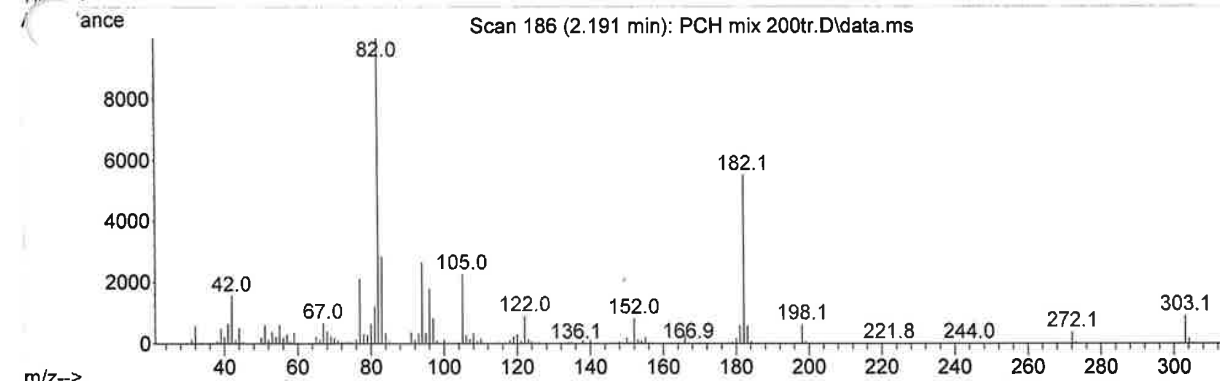
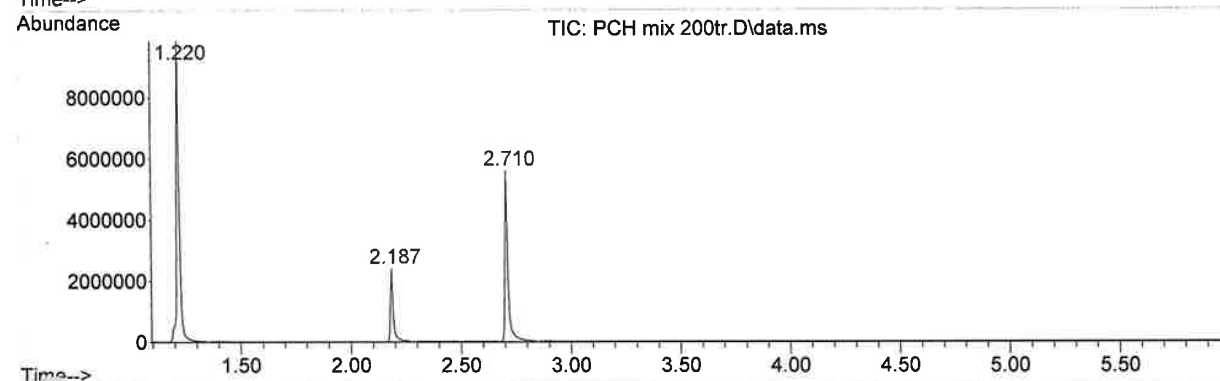
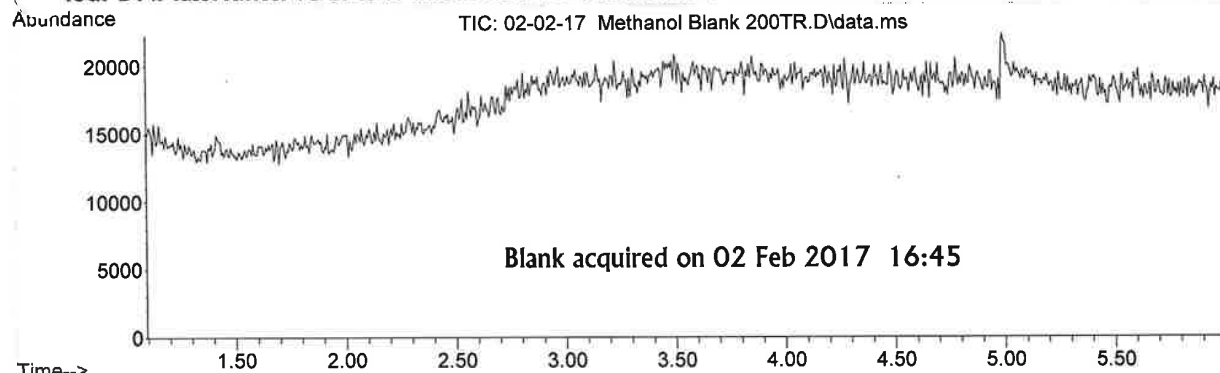
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 200tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 16:54 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS200TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

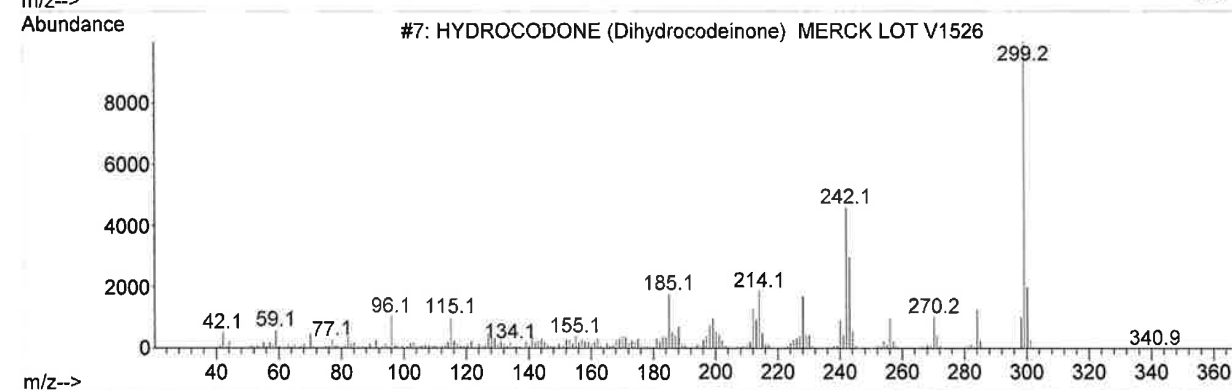
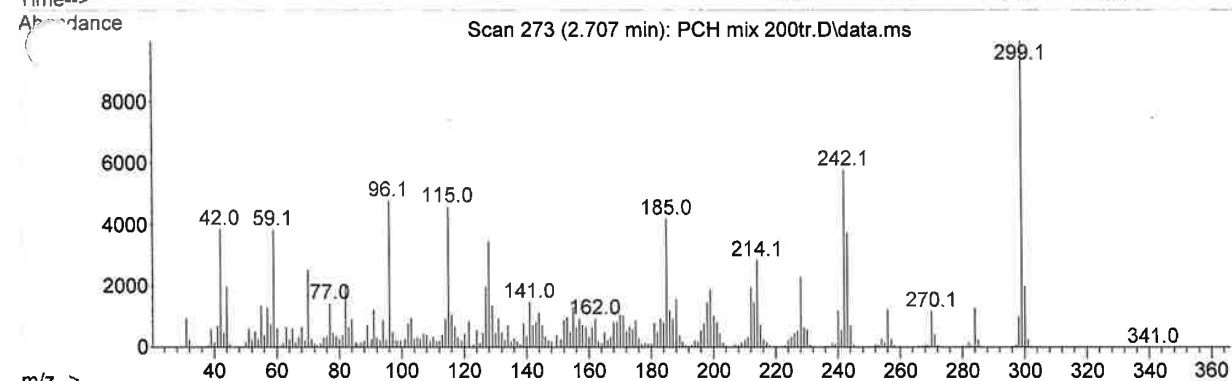
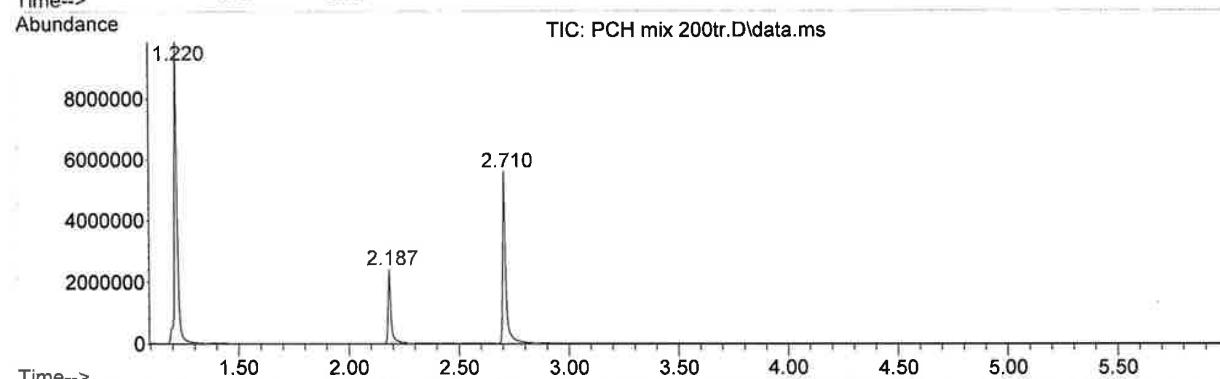
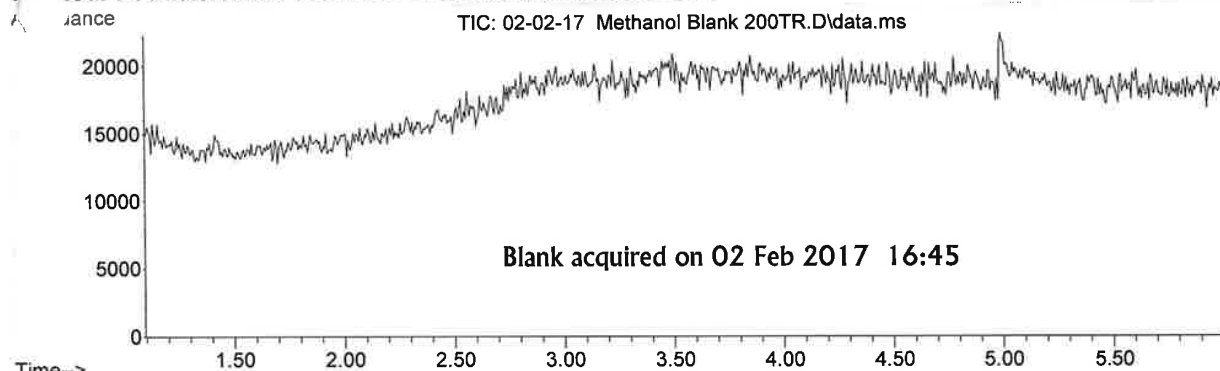
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 200tr.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

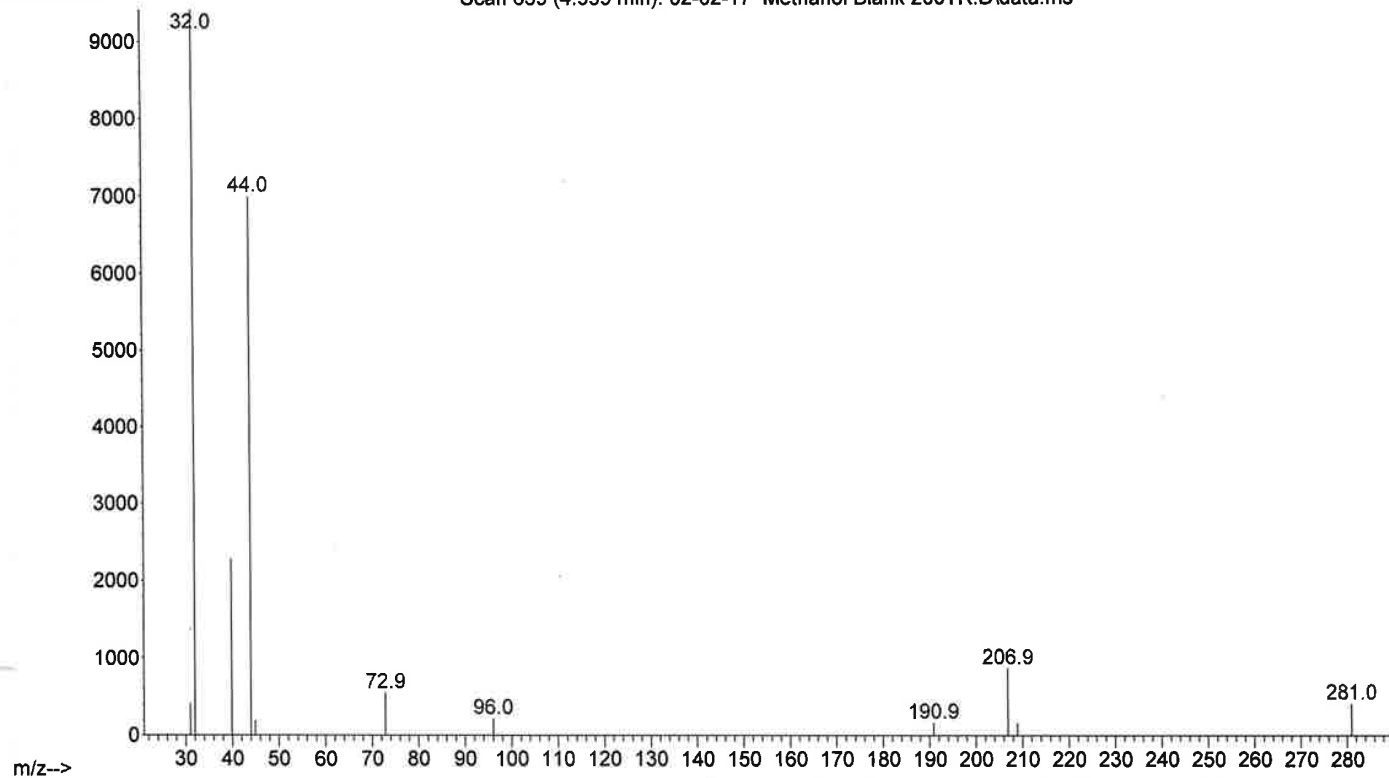
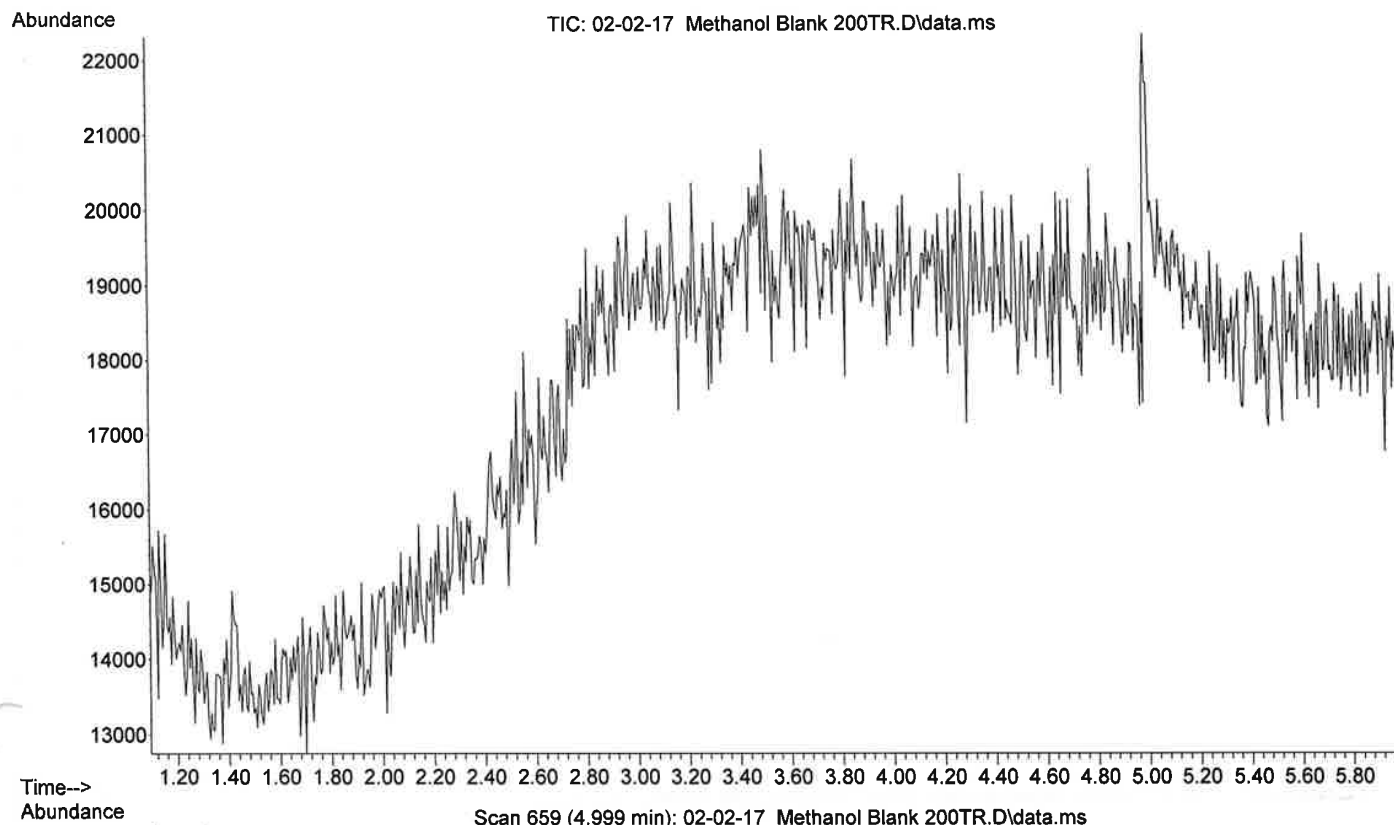
Acquired by Lela Jackson on 02 Feb 2017 16:54 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\ASMS200TR.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\02-02-17
... Methanol Blank 200TR.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Feb 2017 16:45 using AcqMethod ASMS200TR.M
Sample Name: 02-02-17 Methanol Blank
Misc Info : Methanol 100-280c @70c/min for 6 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

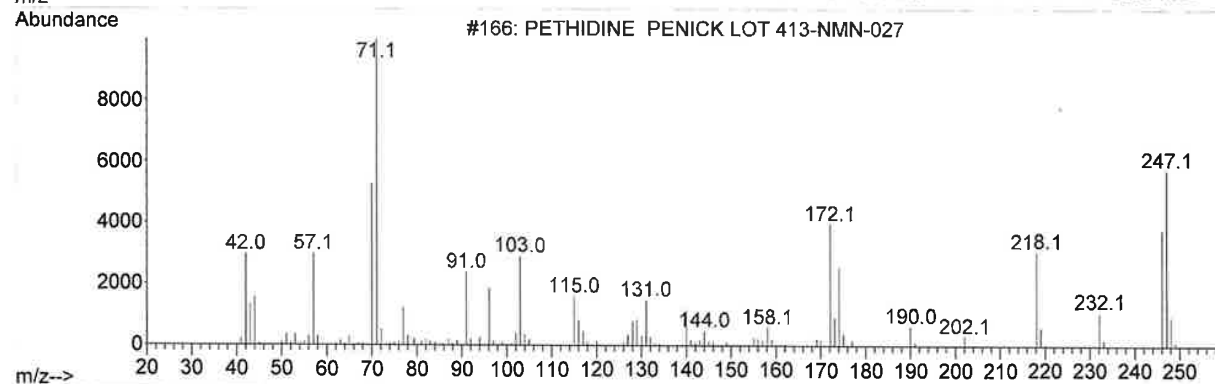
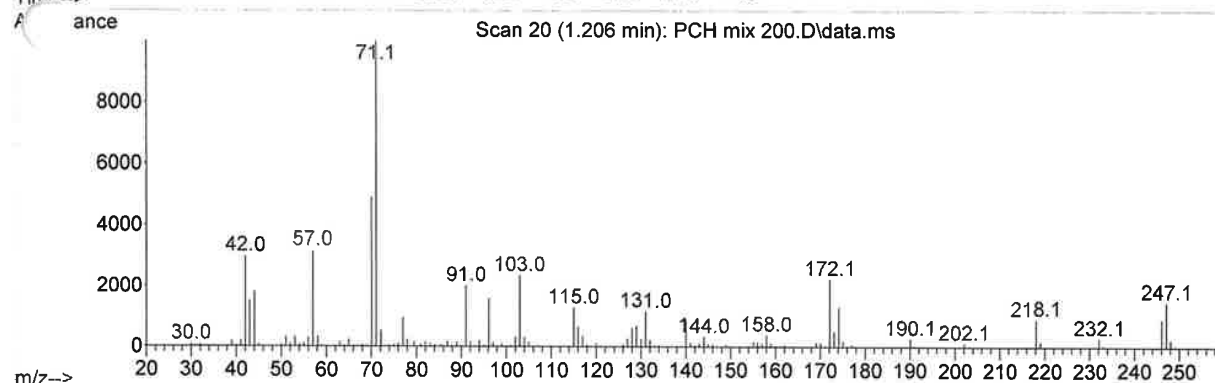
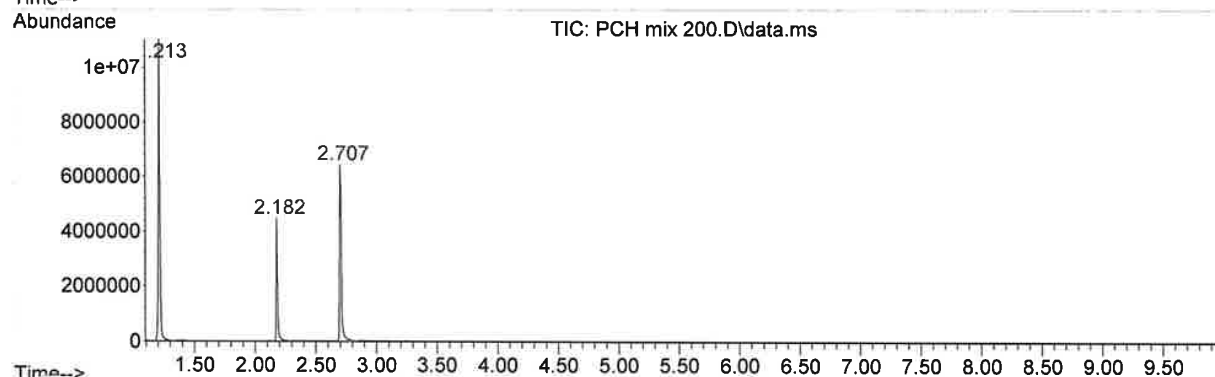
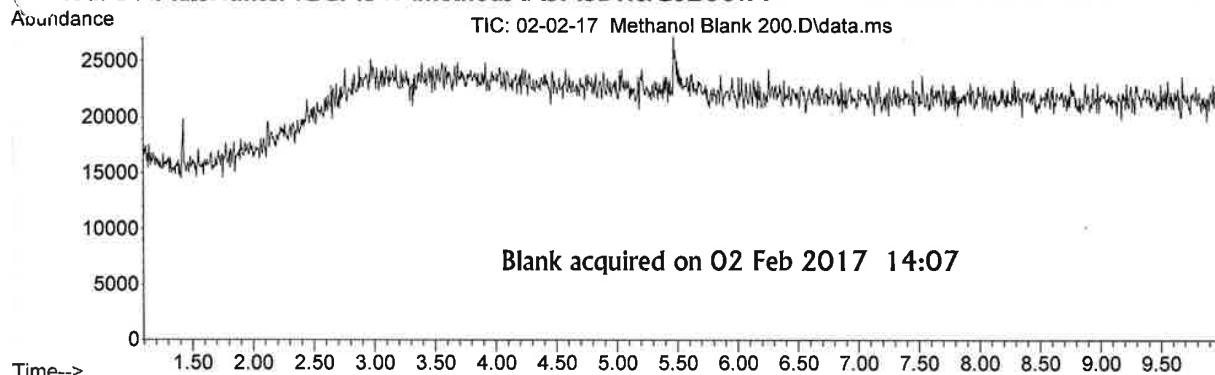
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 200.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 14:20 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 200-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 200.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 02 Feb 2017 14:20 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 200-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M

Abundance TIC: 02-02-17 Methanol Blank 200.D\data.ms

Blank acquired on 02 Feb 2017 14:07

Time--> Abundance TIC: PCH mix 200.D\data.ms

Time--> Abundance Scan 185 (2.185 min): PCH mix 200.D\data.ms

m/z--> Abundance #10: COCAINE SIGMA LOT 50K1124

m/z-->

Tennessee Bureau of Investigation: Nashville Crime Laboratory

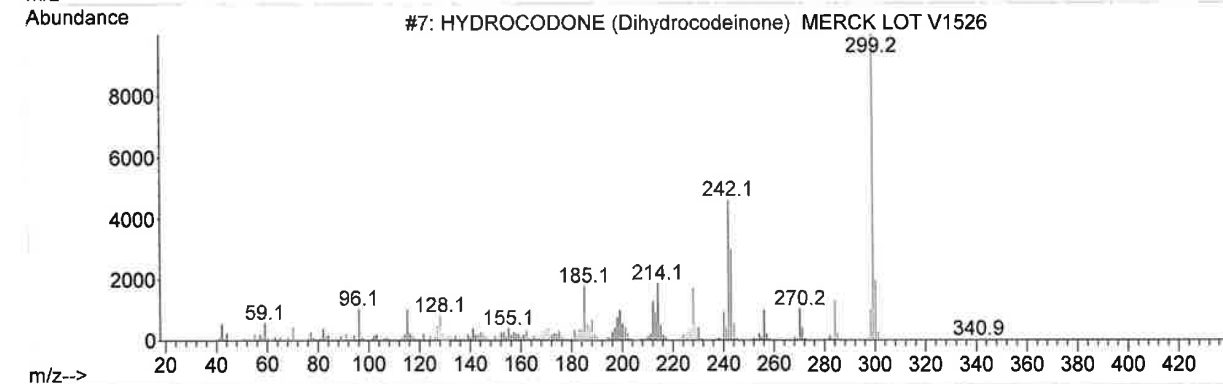
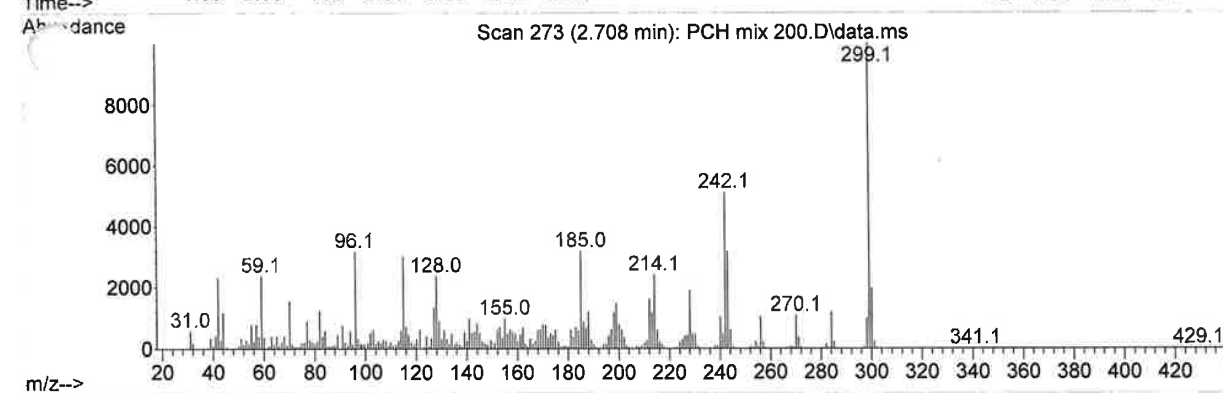
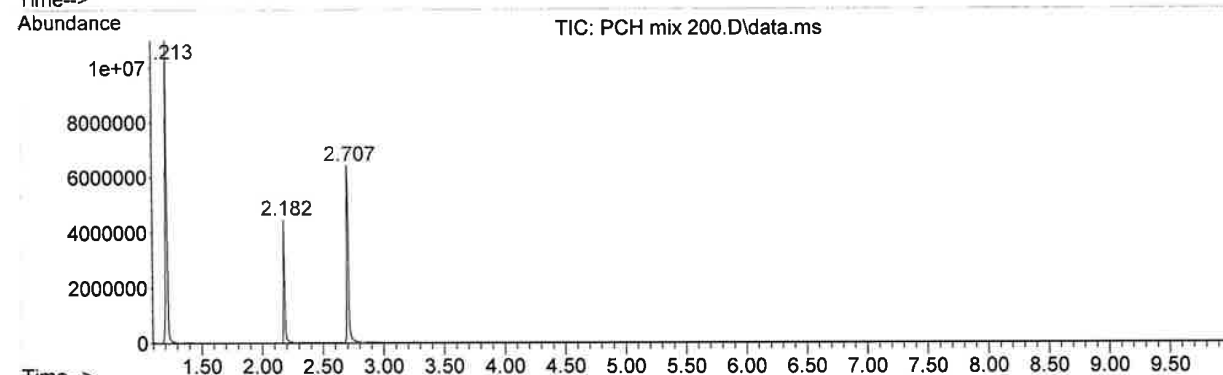
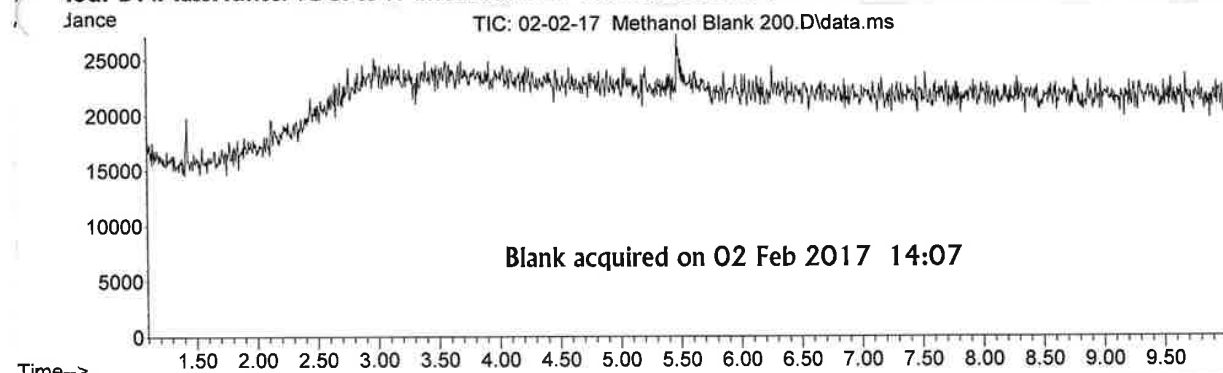
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\PCH mix 200.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

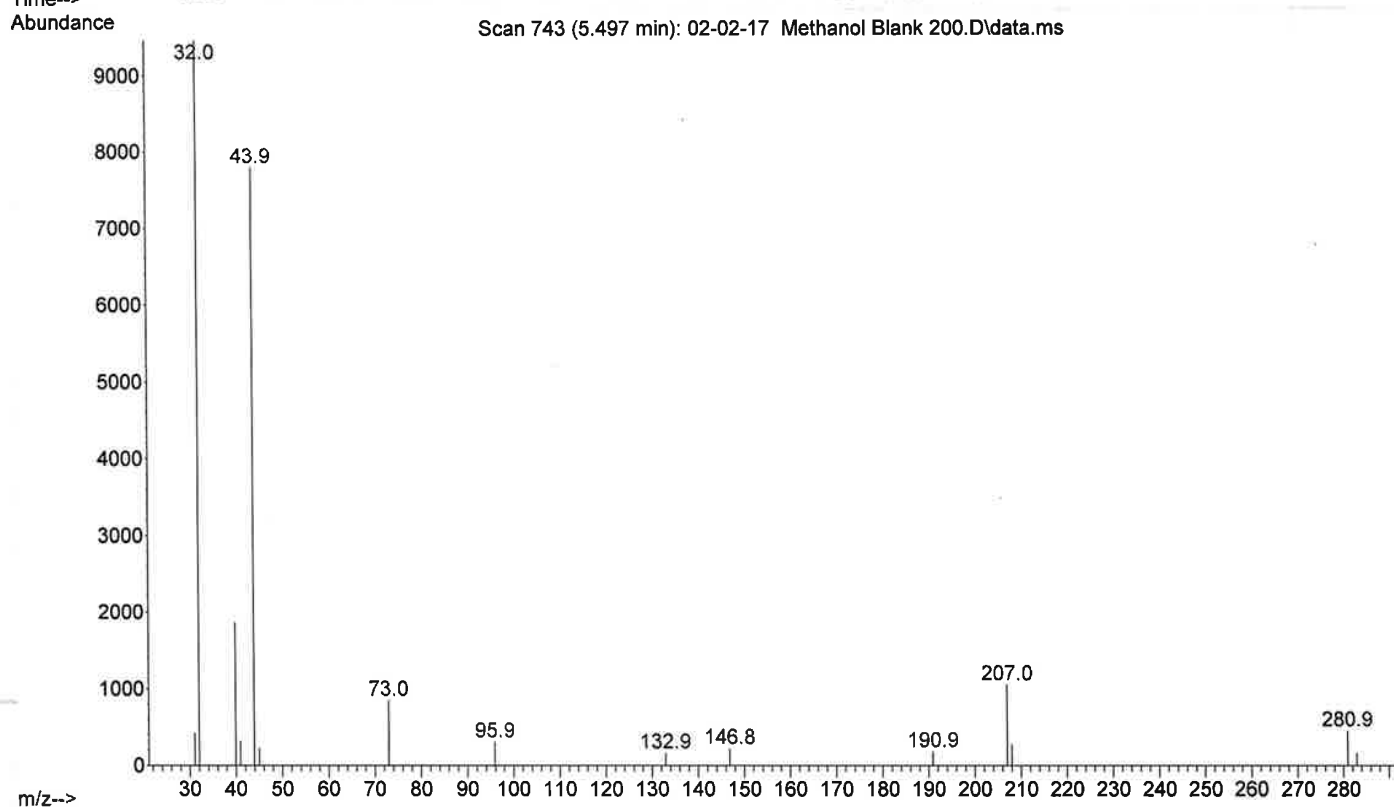
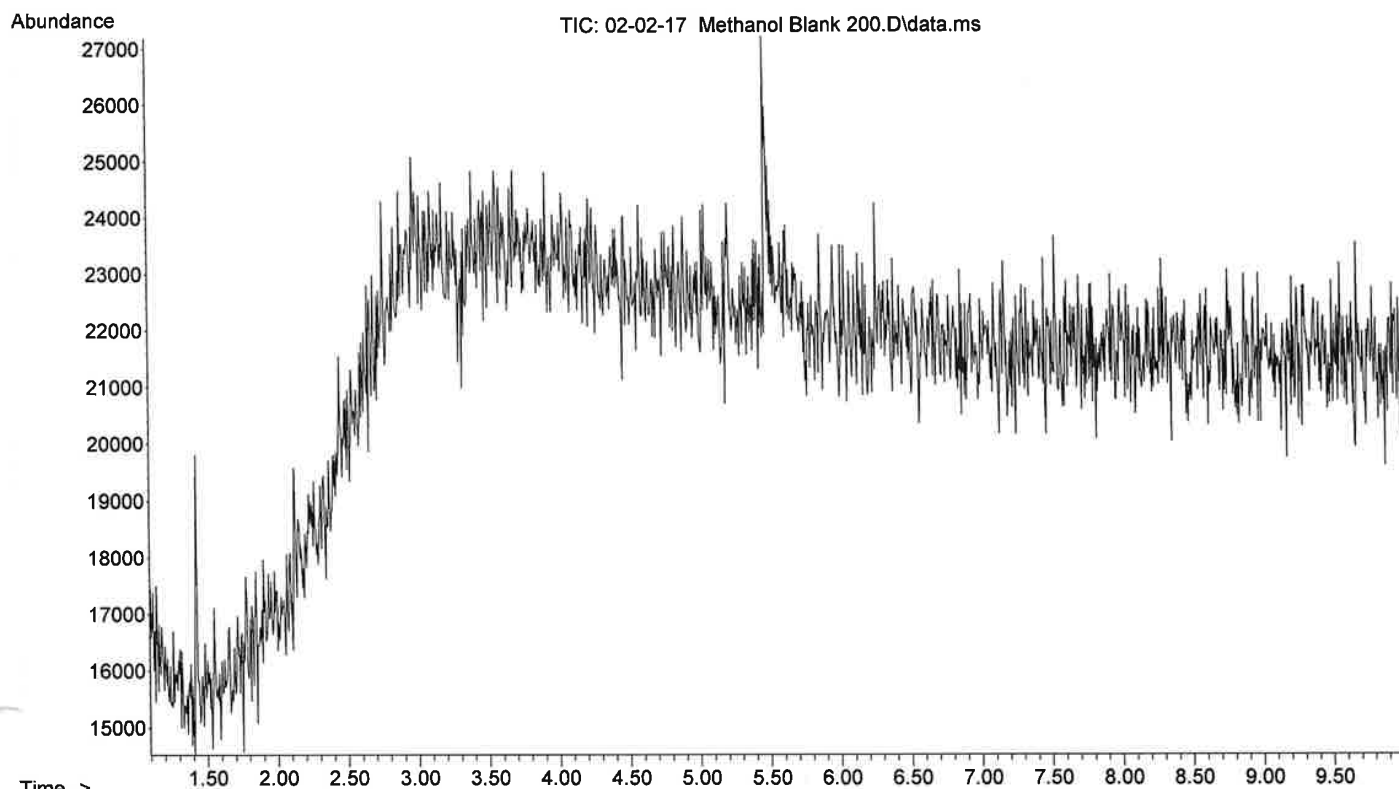
Acquired by Lela Jackson on 02 Feb 2017 14:20 in vial #

Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 200-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMSDRUGS200.M

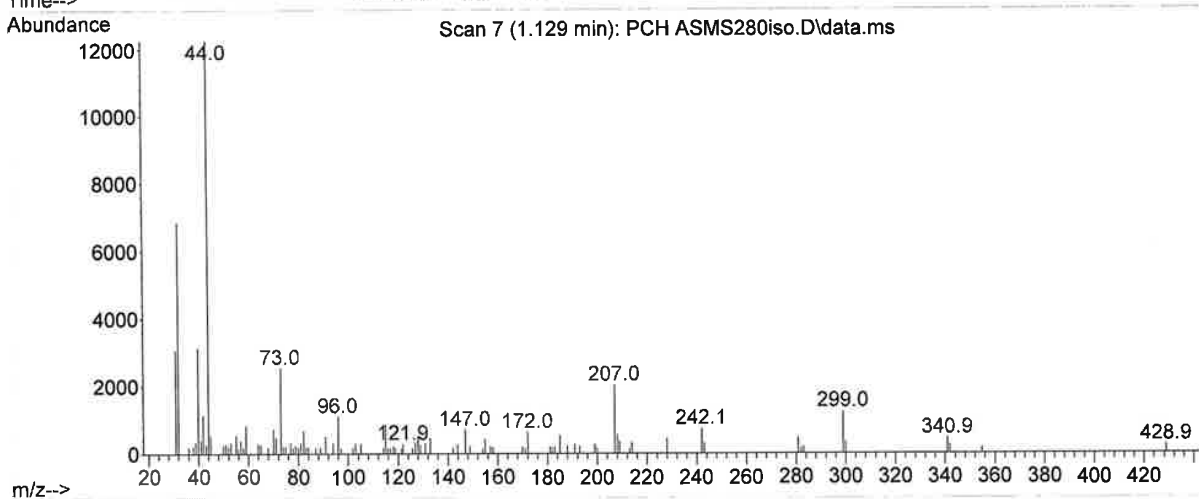
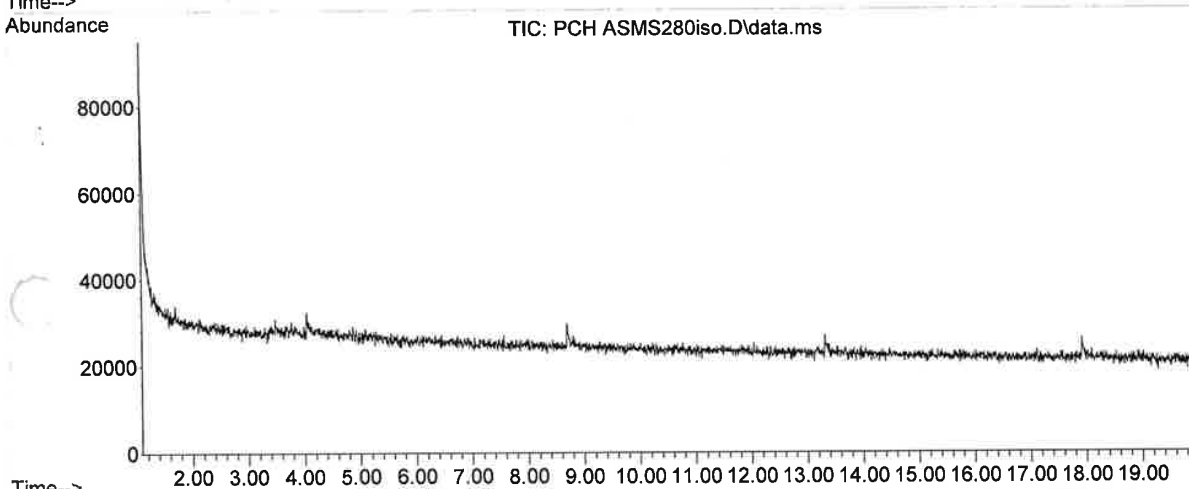
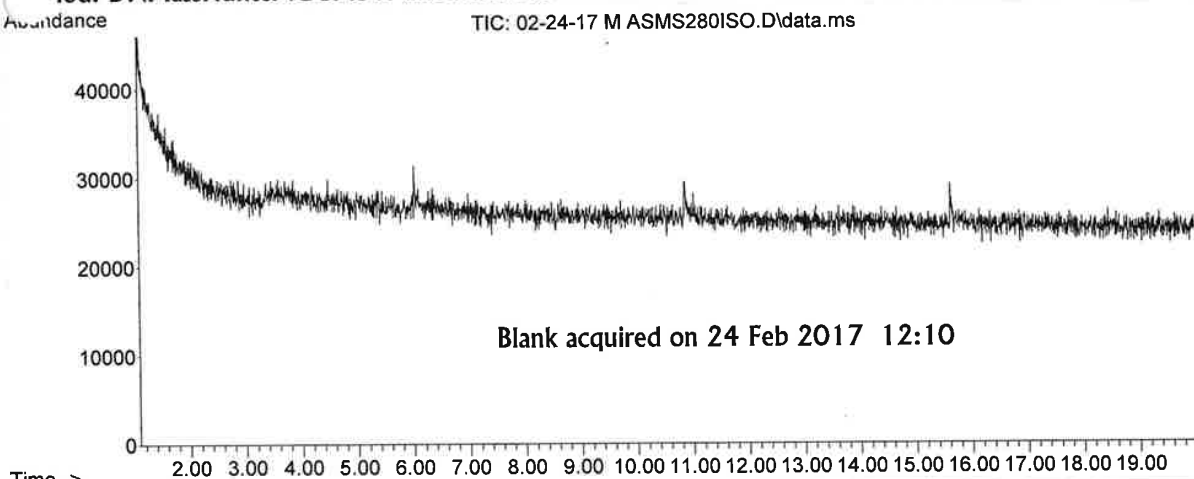


File :D:\MassHunter\GCMS\1\data\2017\Validation\02-02-17\02-02-17
... Methanol Blank 200.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Feb 2017 14:07 using AcqMethod ASMSDRUGS200.M
File Name: 02-02-17 Methanol Blank
Mass Info : Methanol 200-280c @70c/min for 10 min

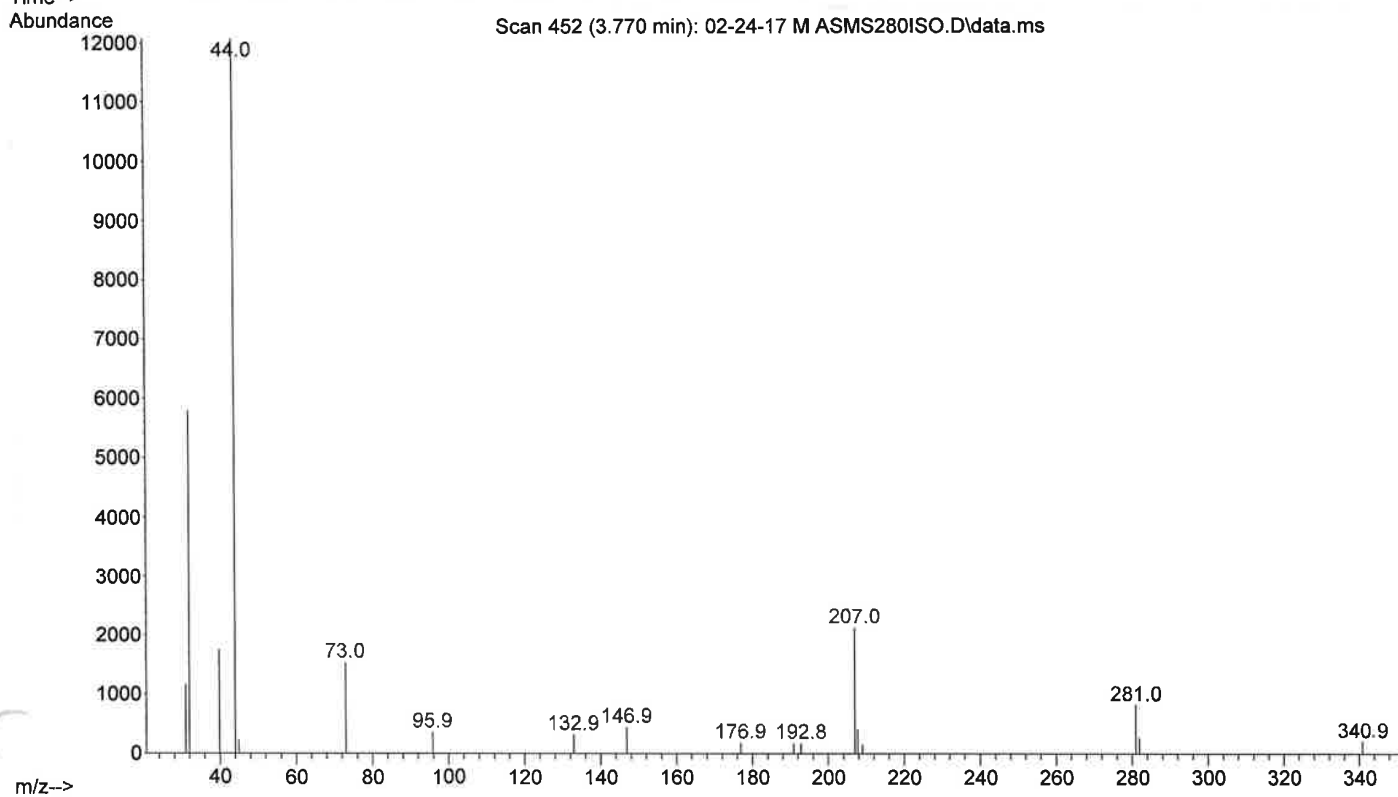
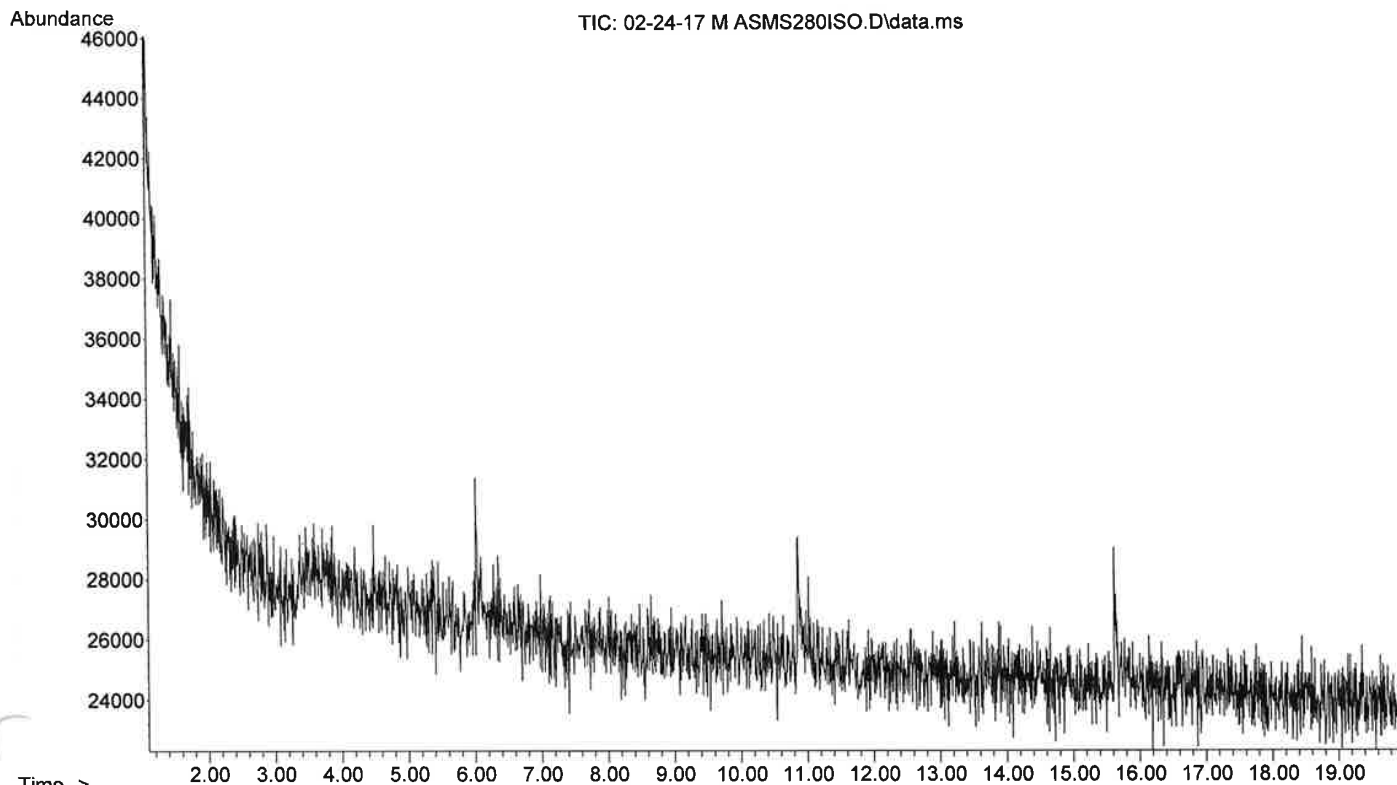


Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\PCH ASMS280iso.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 24 Feb 2017 12:31 in vial #
Information: Pethidine, Cocaine, Hydrocodone Misc.: Methanol 280c for 20 min
Method: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M

TIC: 02-24-17 M ASMS280ISO.D\data.ms



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\02-24-17
... M ASMS280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 24 Feb 2017 12:10 using AcqMethod ASMS280ISO.M
Sample Name: Methanol Blank 2/24/17
Meth Info : Methanol 280c for 20 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\AB-Chiminaca ASMS280iso.D

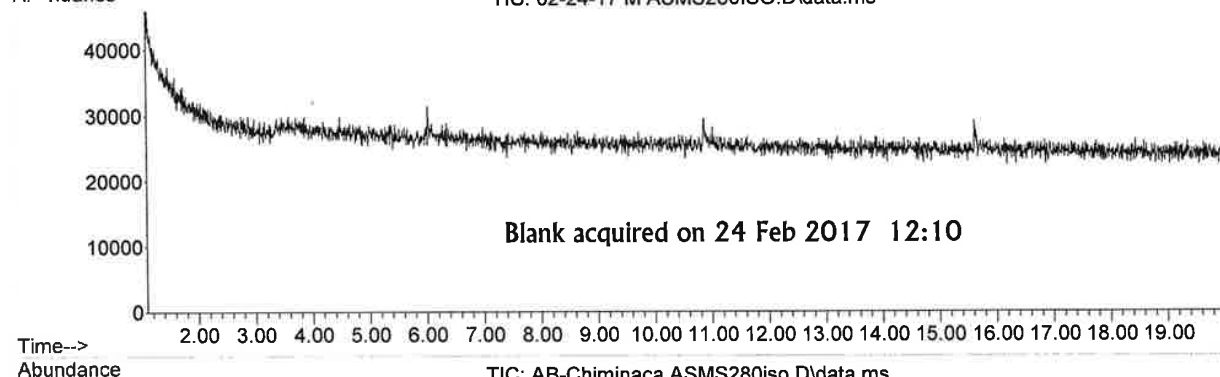
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 24 Feb 2017 13:01 in vial #

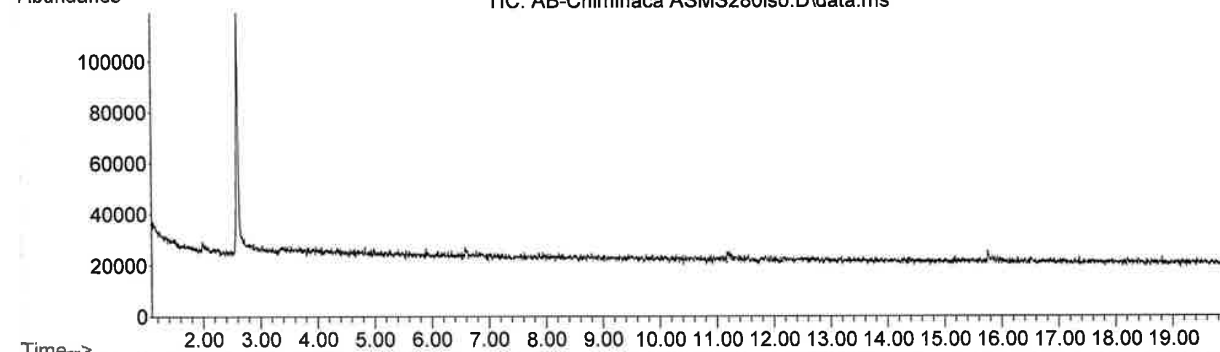
Information: AB-Chiminaca STd. Misc.: Cayman Lot # 0455353-36 Methanol Exp 10/3/17

Method: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M

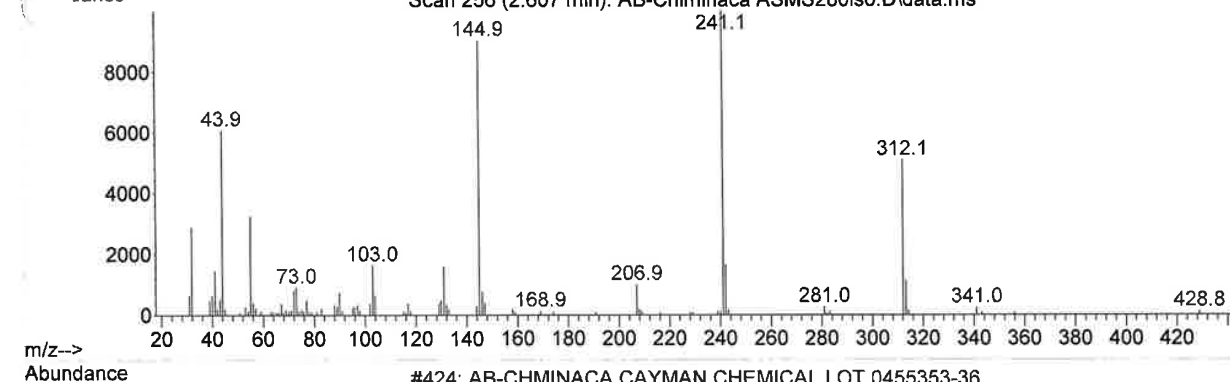
TIC: 02-24-17 M ASMS280ISO.D\data.ms



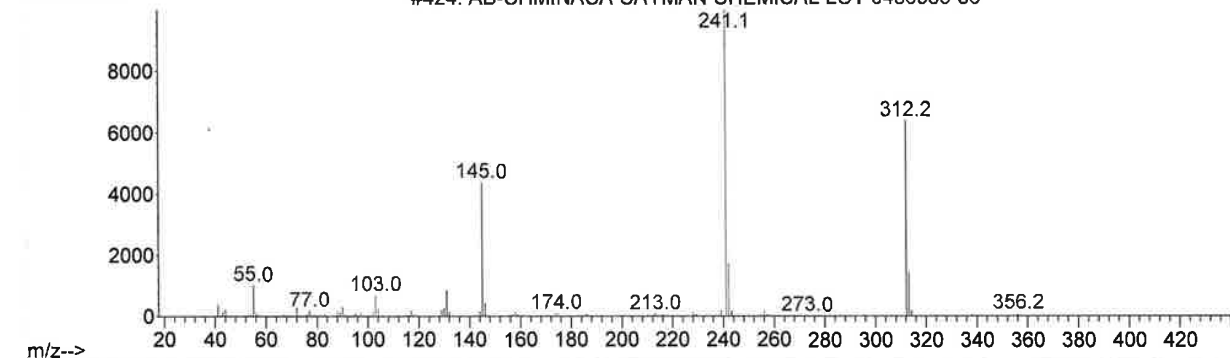
TIC: AB-Chiminaca ASMS280iso.D\data.ms



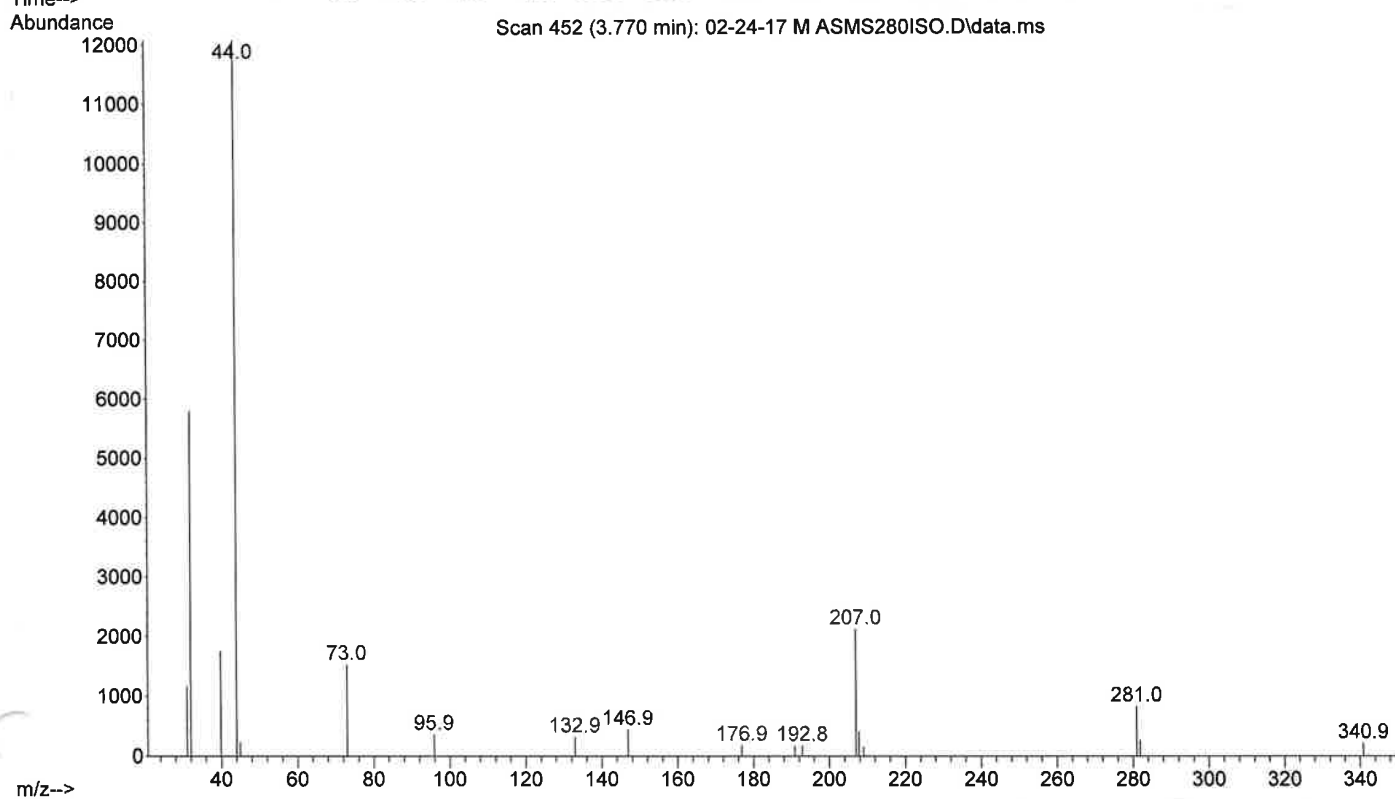
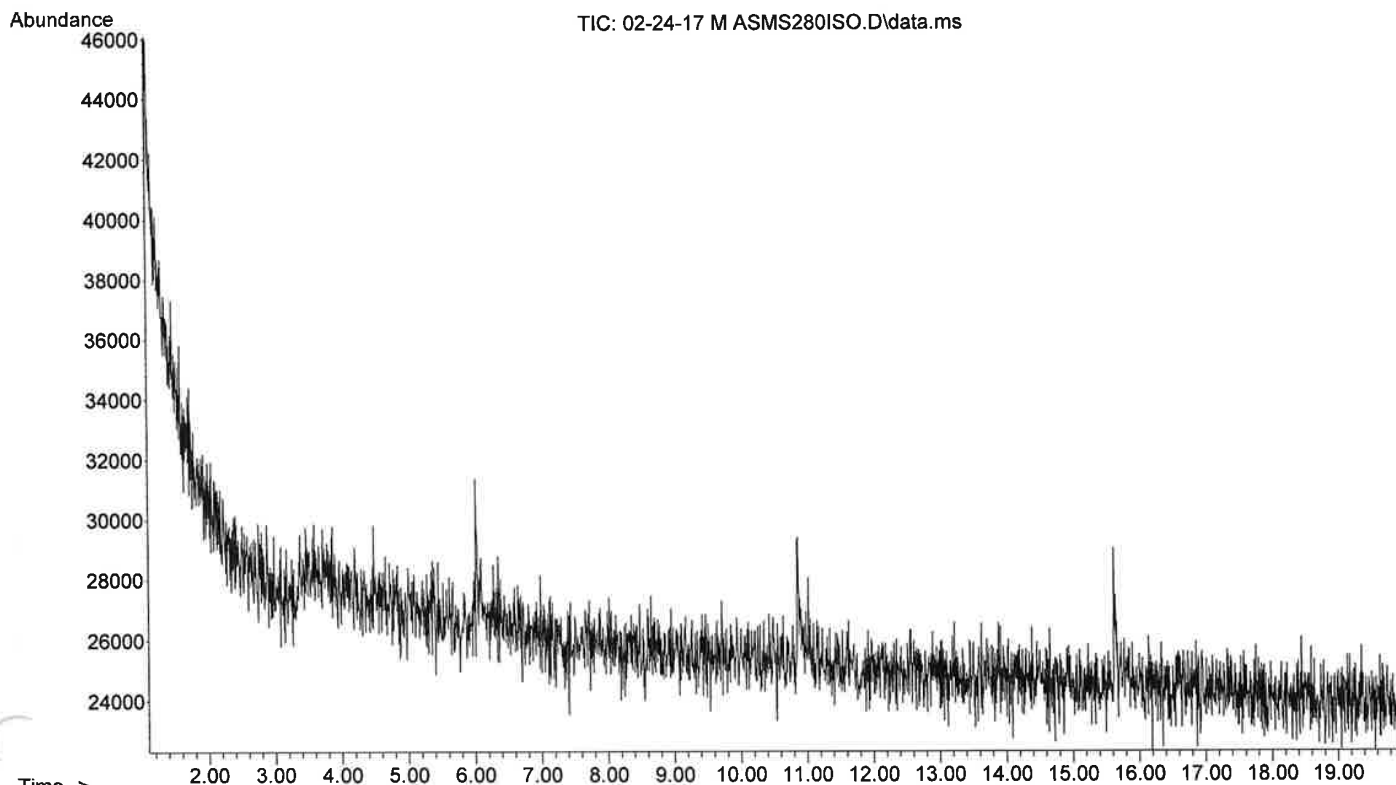
Scan 256 (2.607 min): AB-Chiminaca ASMS280iso.D\data.ms



#424: AB-CHMINACA CAYMAN CHEMICAL LOT 0455353-36



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-24-17\02-24-17
... M ASMS280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 24 Feb 2017 12:10 using AcqMethod ASMS280ISO.M
Sample Name: Methanol Blank 2/24/17
Info : Methanol 280c for 20 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Tes mix MS28.D

Instrument: Kenny Tuned on 1 Mar 2017 6:36 am

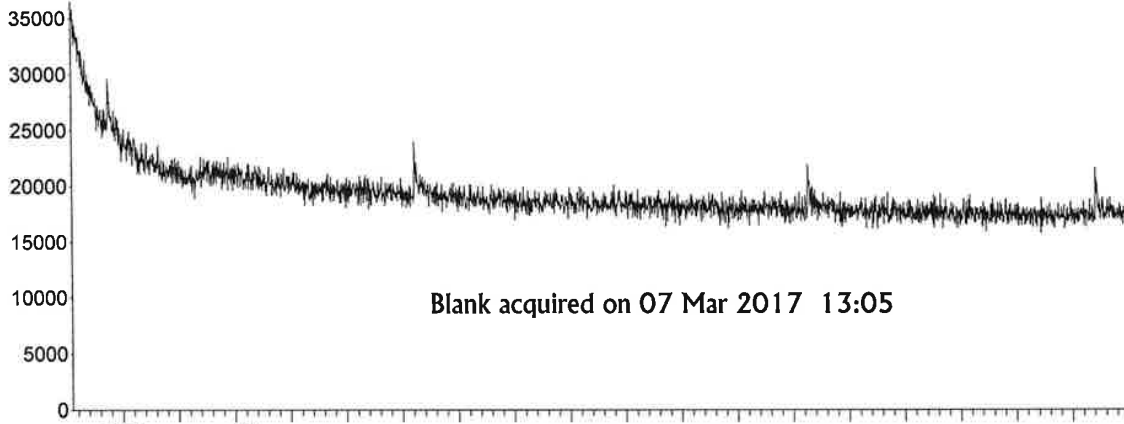
Acquired by Lela Jackson on 07 Mar 2017 13:26 in vial #

Information: isocaproate, Benzoate, Acetate, undecanoate Misc.: Methanol 280c for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M

Abundance

TIC: 03-07-17 Methanol Blank MS280.D\data.ms

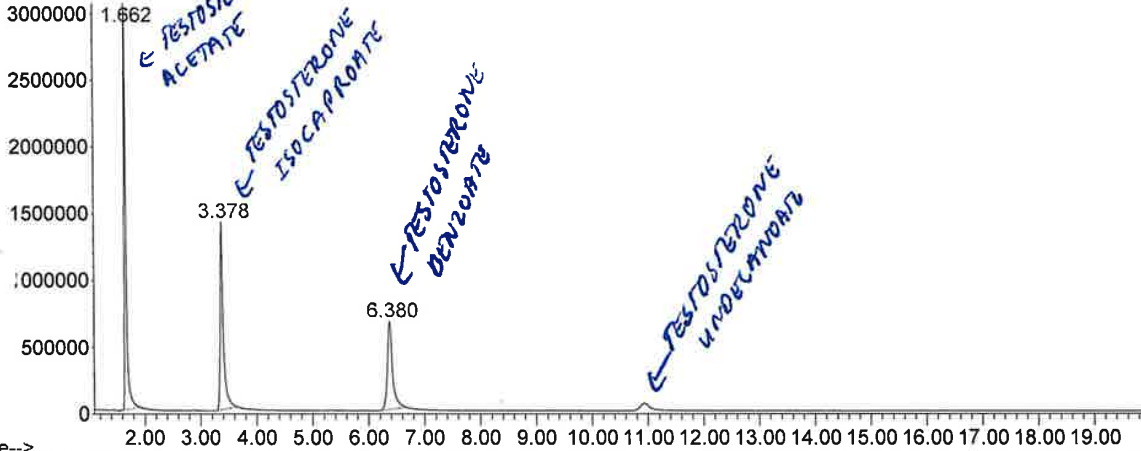


Blank acquired on 07 Mar 2017 13:05

Time-->

Abundance

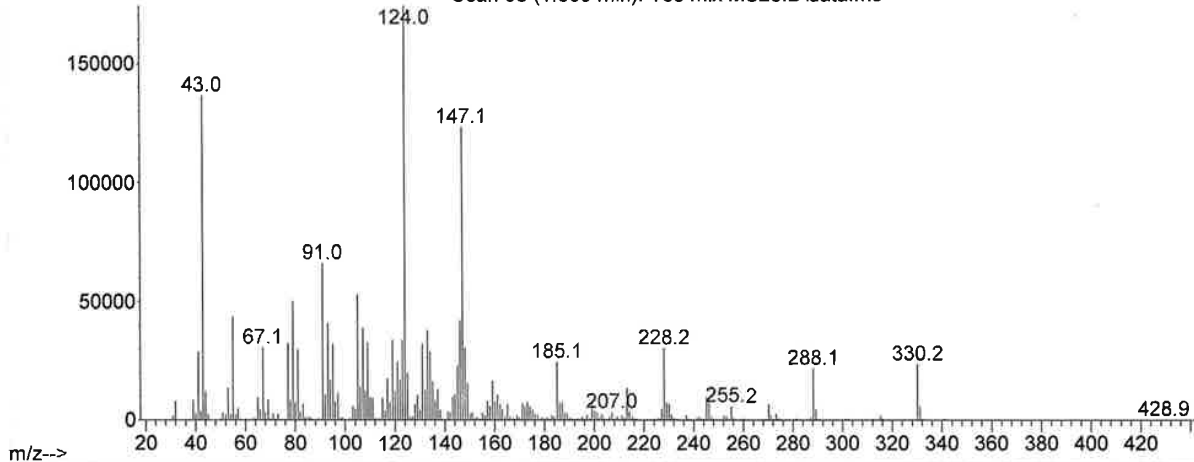
TIC: Tes mix MS28.D\data.ms



Time-->

Abundance

Scan 98 (1.669 min): Tes mix MS28.D\data.ms



Tennessee Bureau of Investigation: Nashville Crime Laboratory

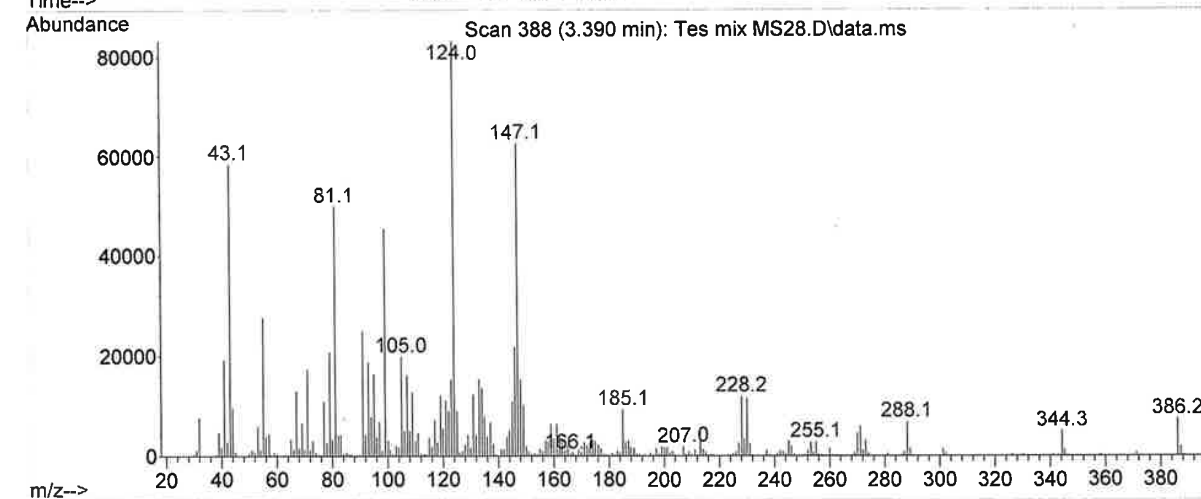
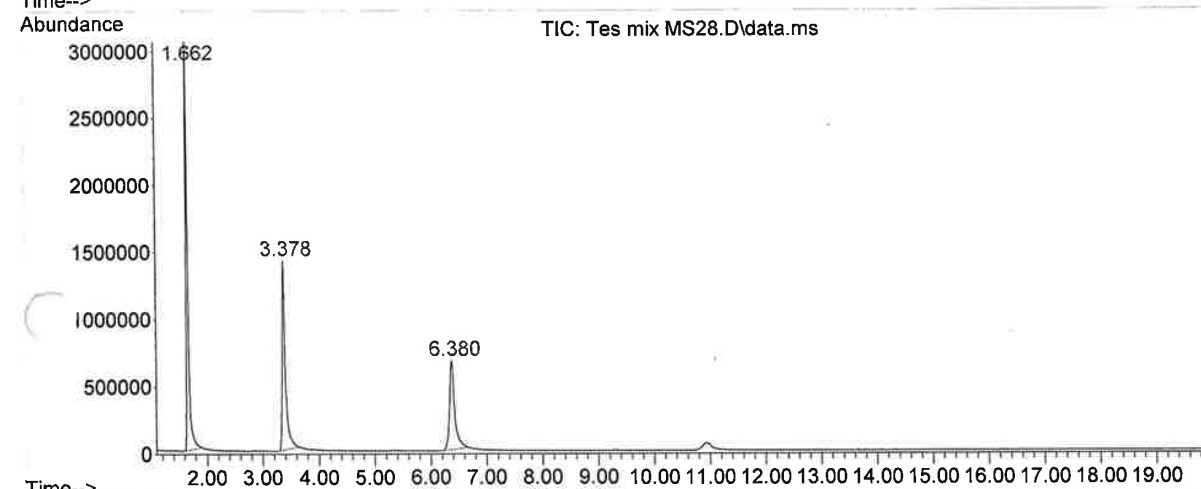
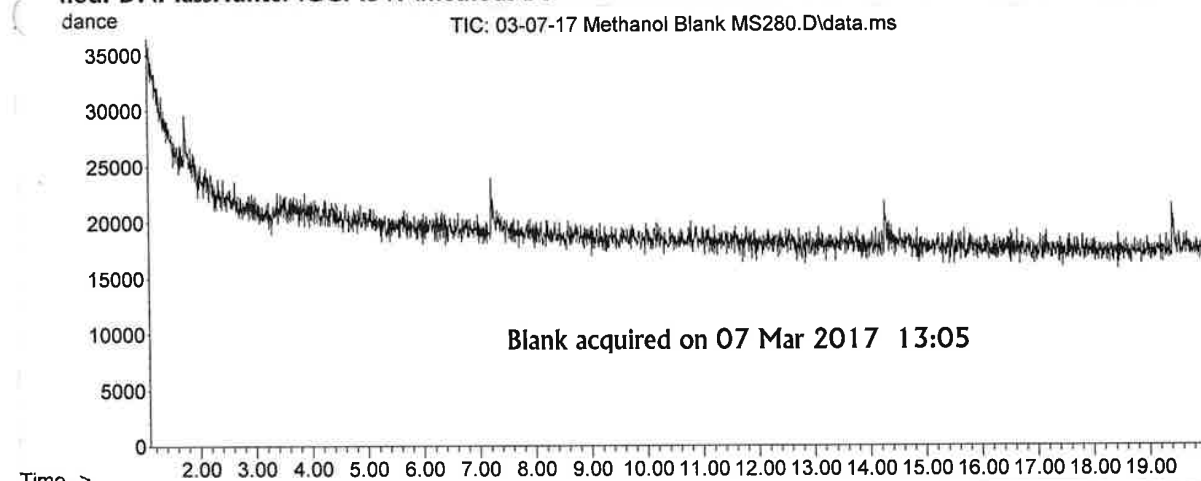
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Tes mix MS28.D

Instrument: Kenny Tuned on 1 Mar 2017 6:36 am

Acquired by Lela Jackson on 07 Mar 2017 13:26 in vial #

Information: isocaproate, Benzoate, Acetate, undecanoate Misc.: Methanol 280c for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Tes mix MS28.D

Instrument: Kenny Tuned on 1 Mar 2017 6:36 am

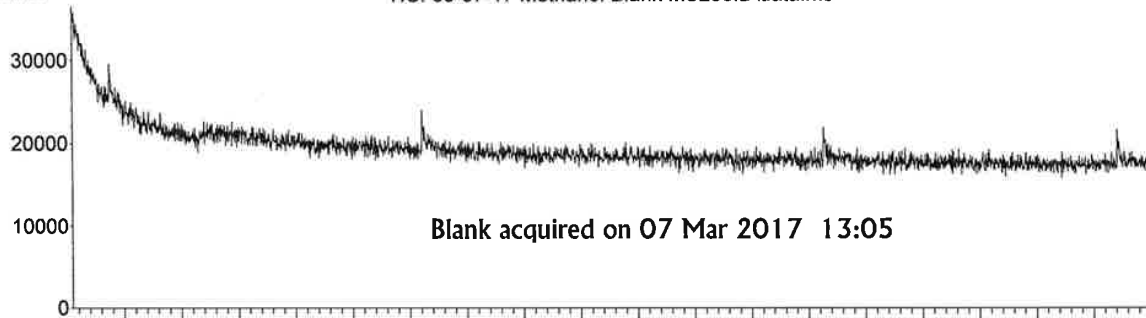
Acquired by Lela Jackson on 07 Mar 2017 13:26 in vial #

Information: isocaproate, Benzoate, Acetate, undecanoate Misc.: Methanol 280c for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M

Abundance

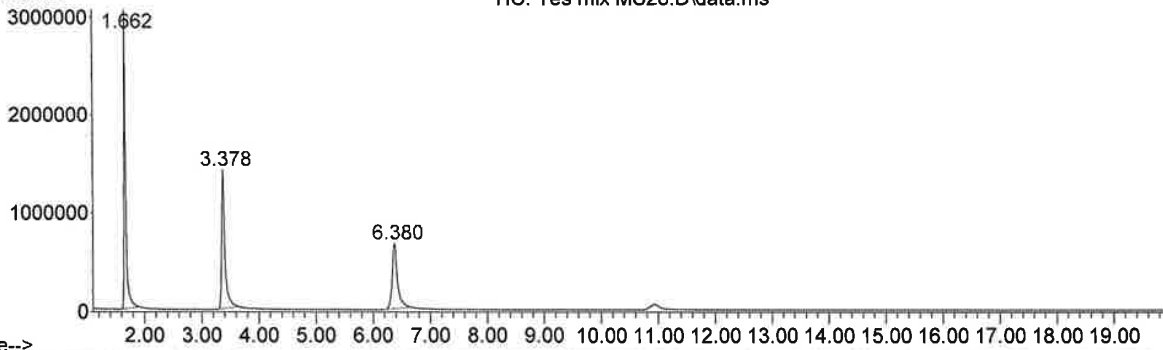
TIC: 03-07-17 Methanol Blank MS280.D\data.ms



Time-->

Abundance

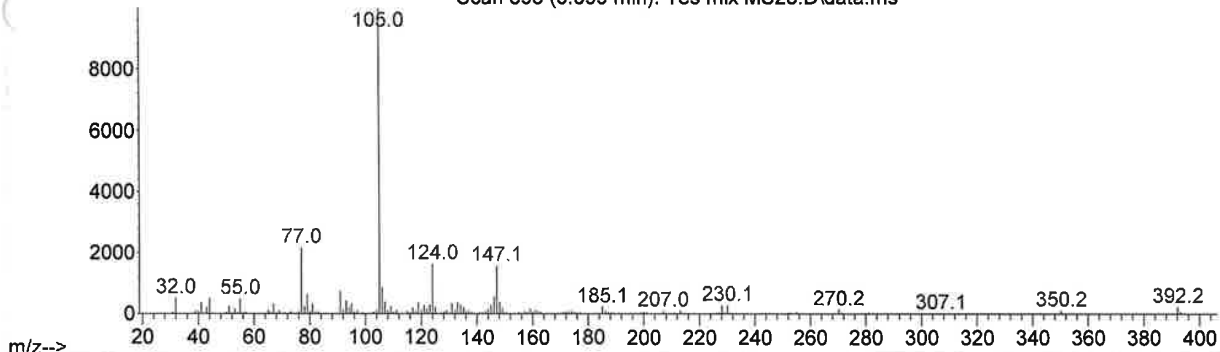
TIC: Tes mix MS28.D\data.ms



Time-->

Abundance

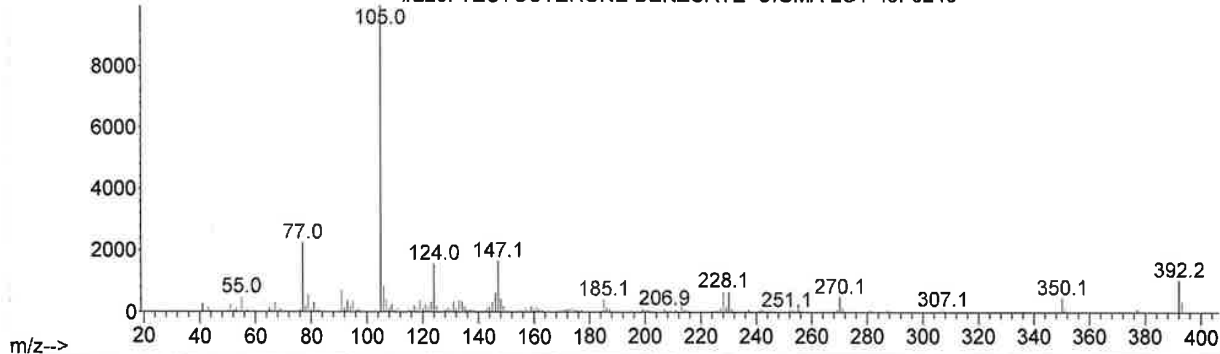
Scan 895 (6.399 min): Tes mix MS28.D\data.ms



m/z-->

Abundance

#226: TESTOSTERONE BENZOATE SIGMA LOT 49F0246



m/z-->

Tennessee Bureau of Investigation: Nashville Crime Laboratory

Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Tes mix MS28.D

Instrument: Kenny Tuned on 1 Mar 2017 6:36 am

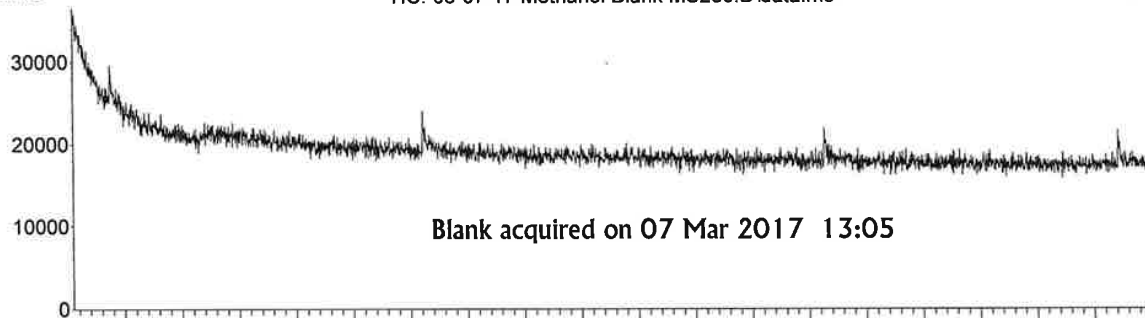
Acquired by Lela Jackson on 07 Mar 2017 13:26 in vial #

Information: isocaproate, Benzoate, Acetate, undecanoate Misc.: Methanol 280c for 10 min

Method: D:\MassHunter\GCMS\1\methods\ASMS280ISO.M

Abundance

TIC: 03-07-17 Methanol Blank MS280.D\data.ms

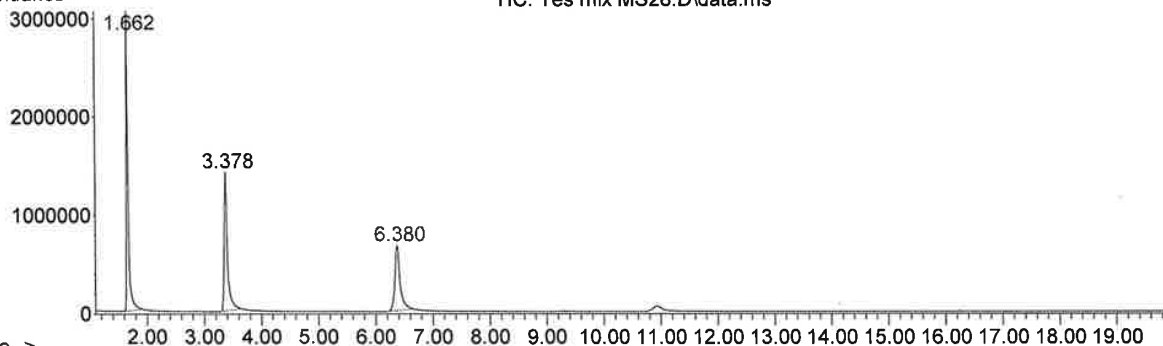


Blank acquired on 07 Mar 2017 13:05

Time-->

Abundance

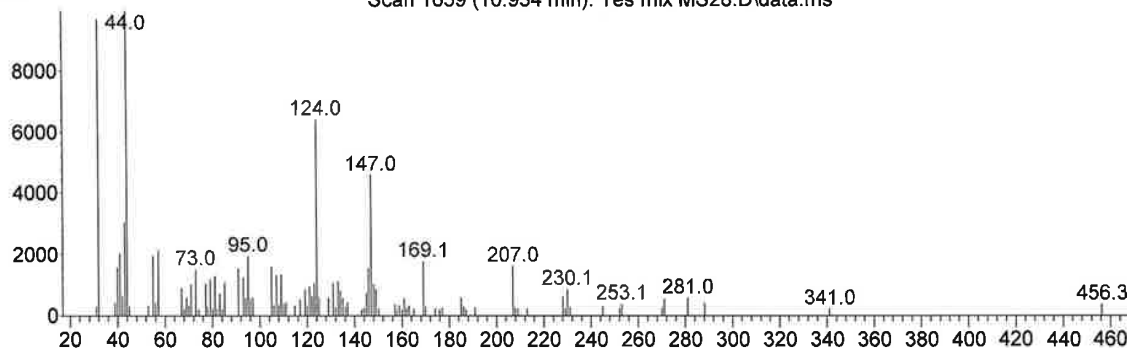
TIC: Tes mix MS28.D\data.ms



Time-->

Abundance

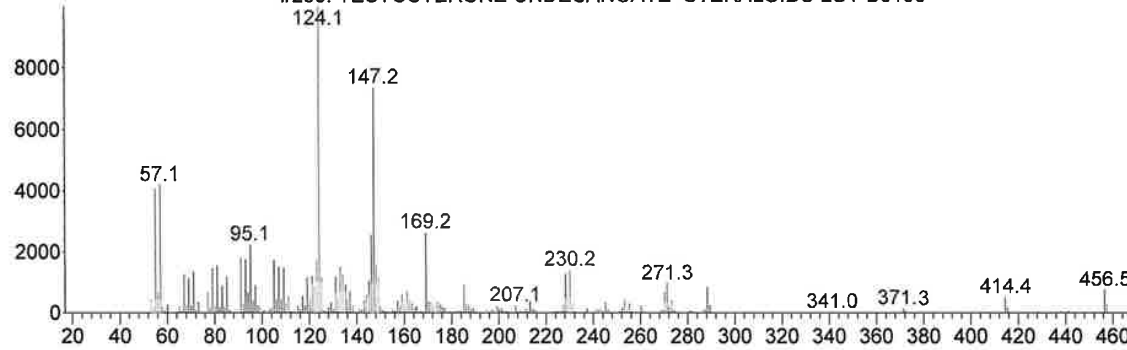
Scan 1659 (10.934 min): Tes mix MS28.D\data.ms



m/z-->

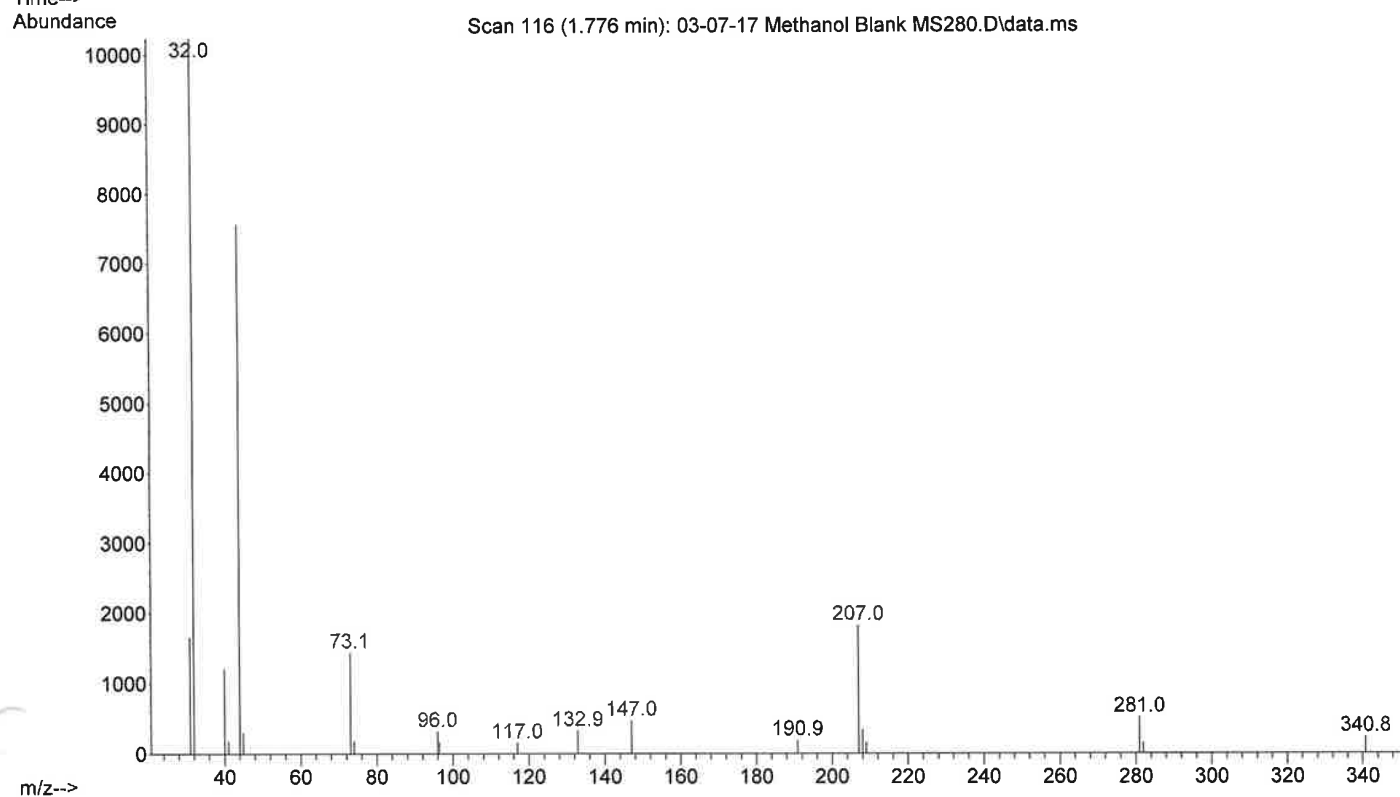
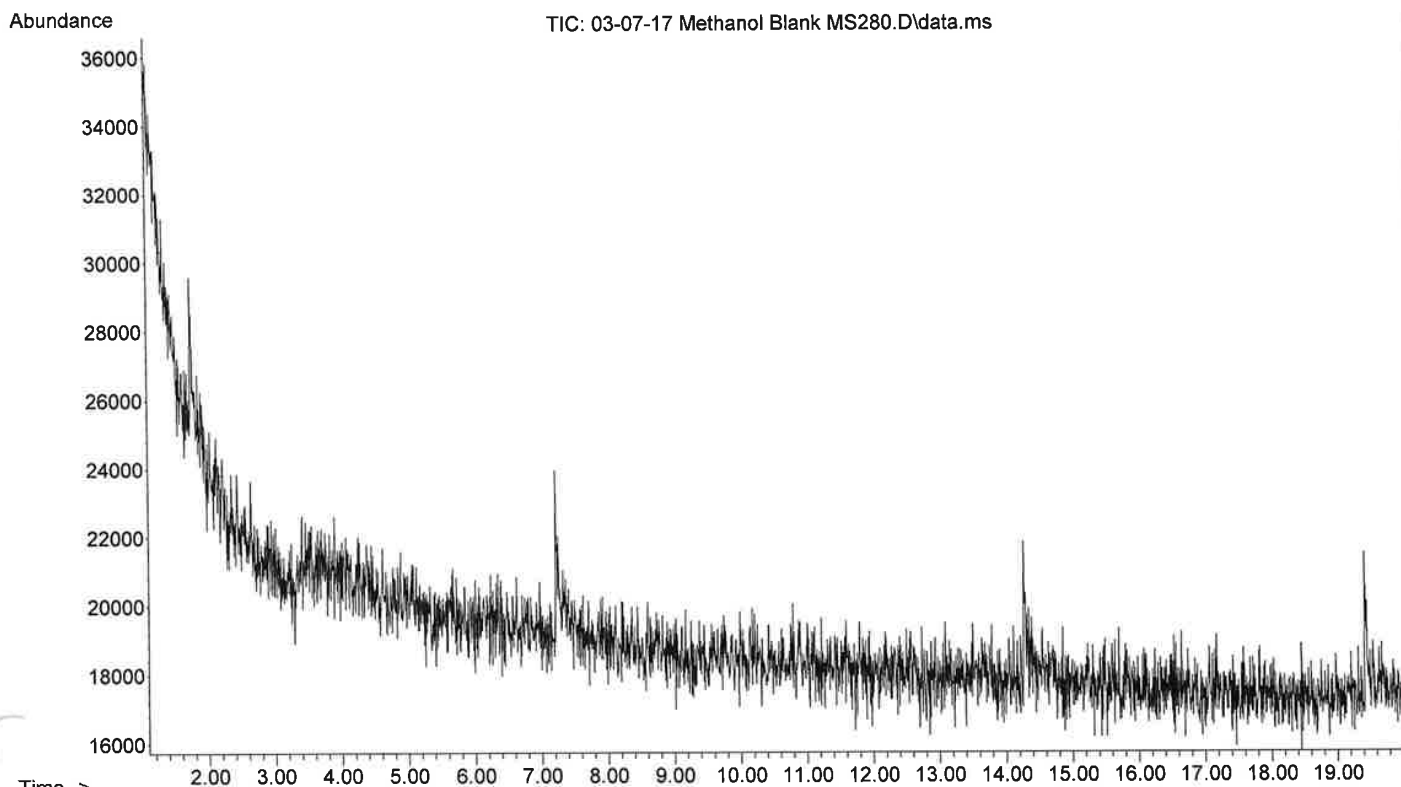
Abundance

#289: TESTOSTERONE UNDECANOATE STERALS LOT B0155



m/z-->

File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\03-07-17
... Methanol Blank MS280.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 13:05 using AcqMethod ASMS280ISO.M
Sample Name: Methanol Blank 3/7/17
Meth Info : Methanol 280c for 20 min



KENNY Summary: GCMS comparisons

Compounds	Methods					
	MSDRUGS60	MS100TR	MSDRUGS100	MS200TR	MSDRUGS200	MSDRUGSTI
Amphetamine	+	+	+	/	/	+
Phentermine	+	+	+	/	/	+
Methamphetamine	+	+	+	/	/	+
Pethidine	+	+	+	+	+	+
Cocaine	+	+	+	+	+	+
Hydrocodone	+	+	+	+	+	+
AB-Chiminaca	/	/	/	/	/	/
Testosterone Acetate	/	/	/	/	/	/
Testosterone Propionate	/	/	/	/	/	/
Testosterone Benzoate	/	/	/	/	/	/
Testosterone Undecanoate	/	/	/	/	/	/

/ = Compounds not run on method

+ = Compounds present

- = Compounds absent

Tennessee Bureau of Investigation: Nashville Crime Laboratory

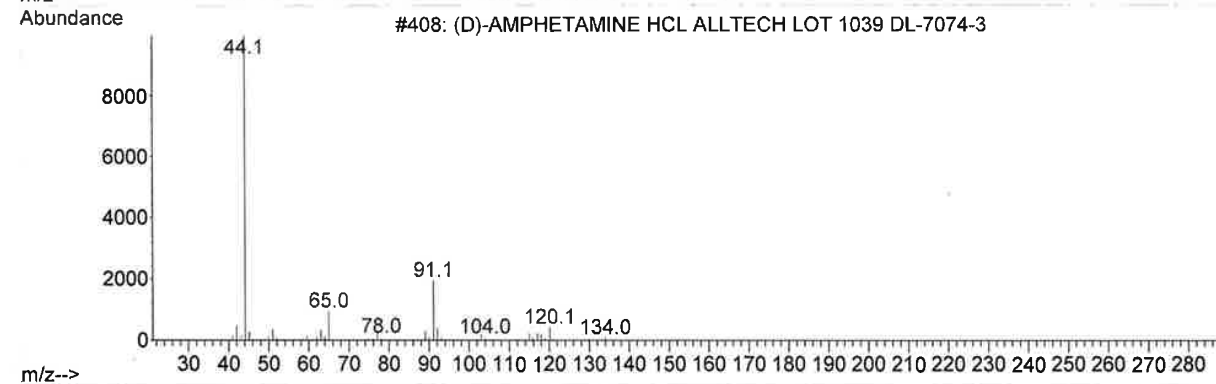
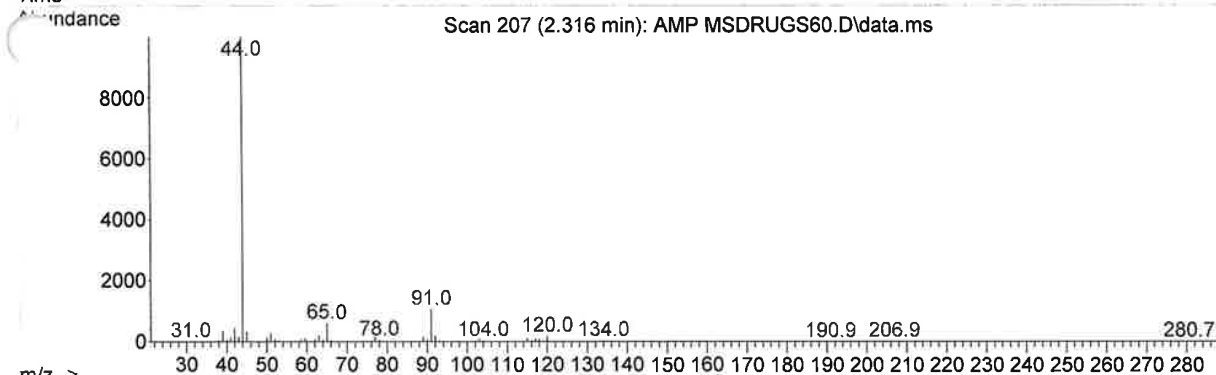
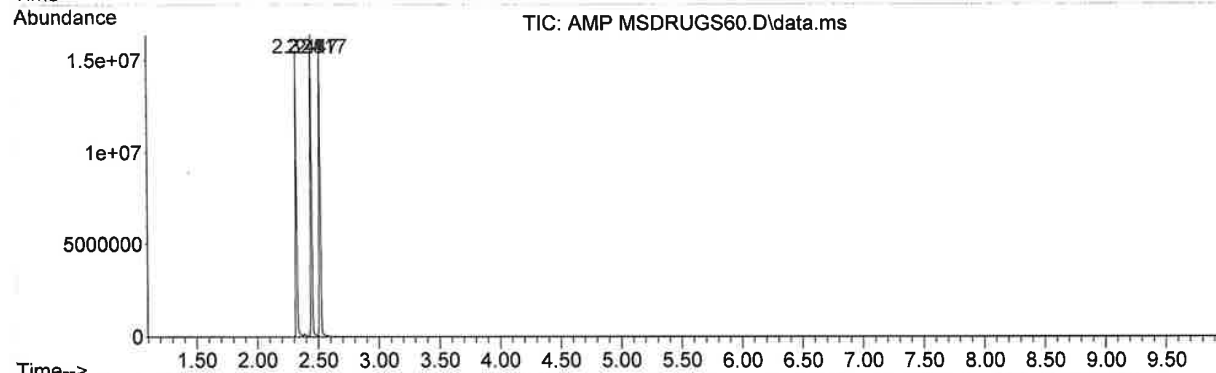
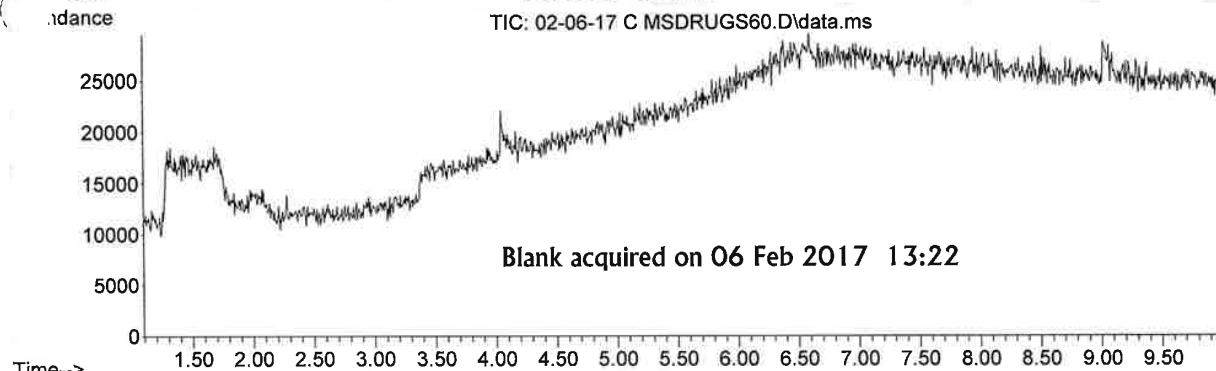
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP MSDRUGS60.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

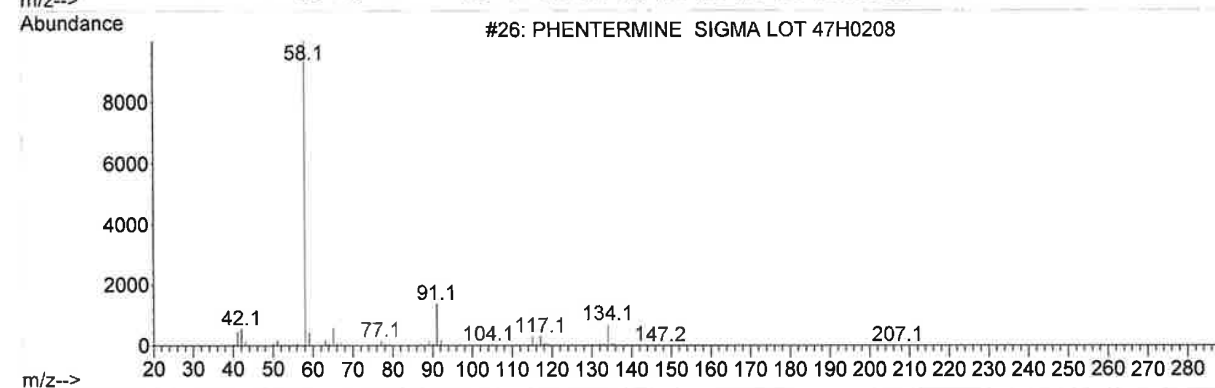
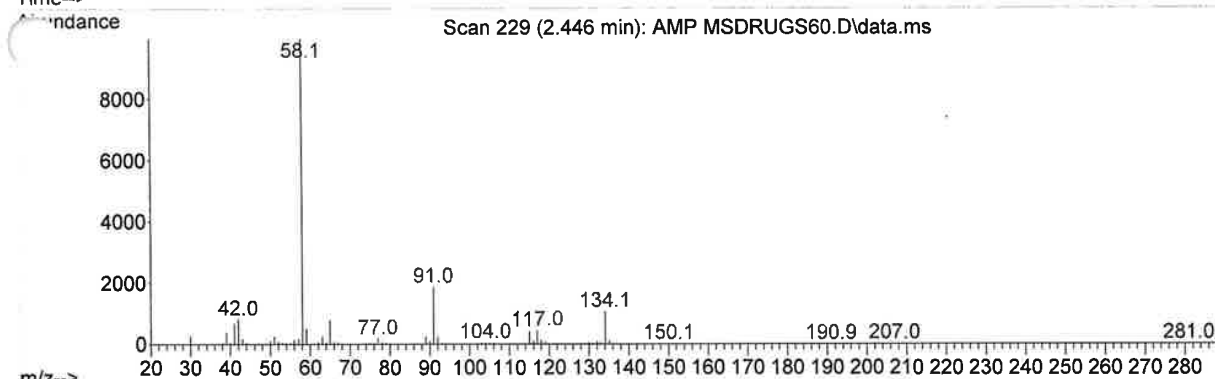
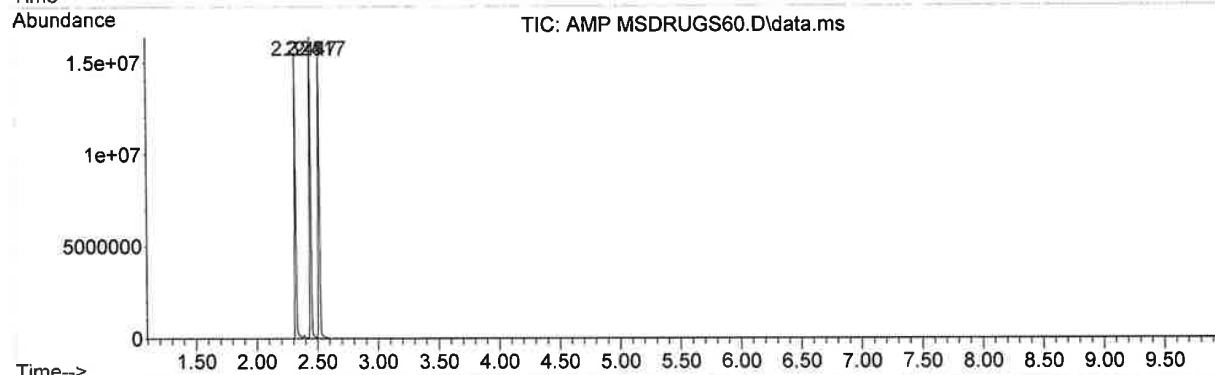
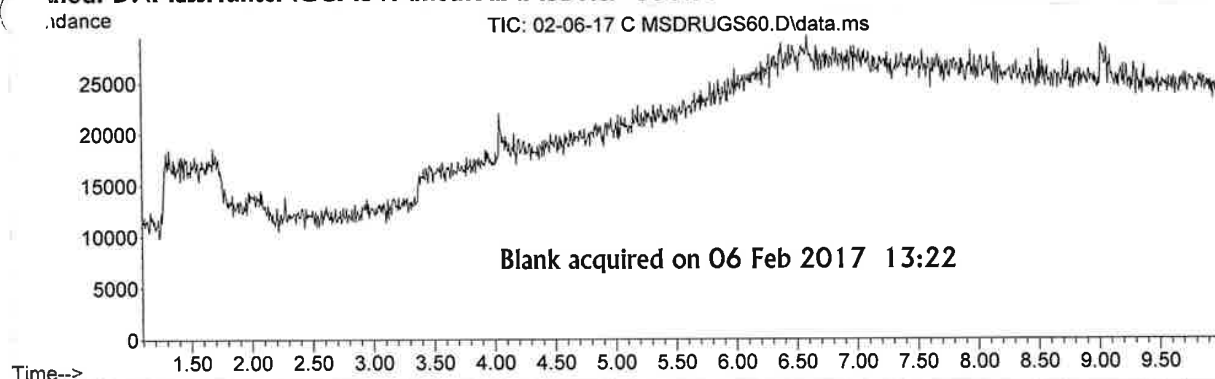
Acquired by Lela Jackson on 06 Feb 2017 13:56 in vial #

Information: Misc.: Chloroform 60-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP MSDRUGS60.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 13:56 in vial #
Information: Misc.: Chloroform 60-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

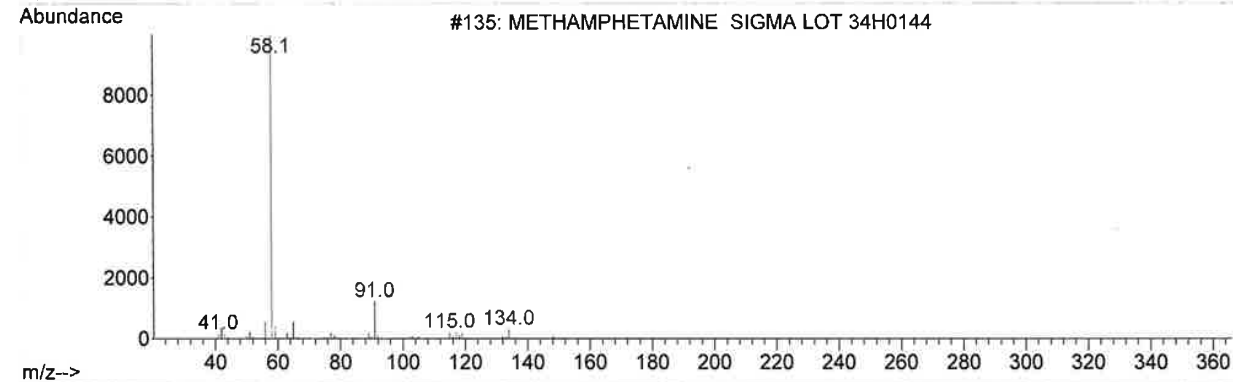
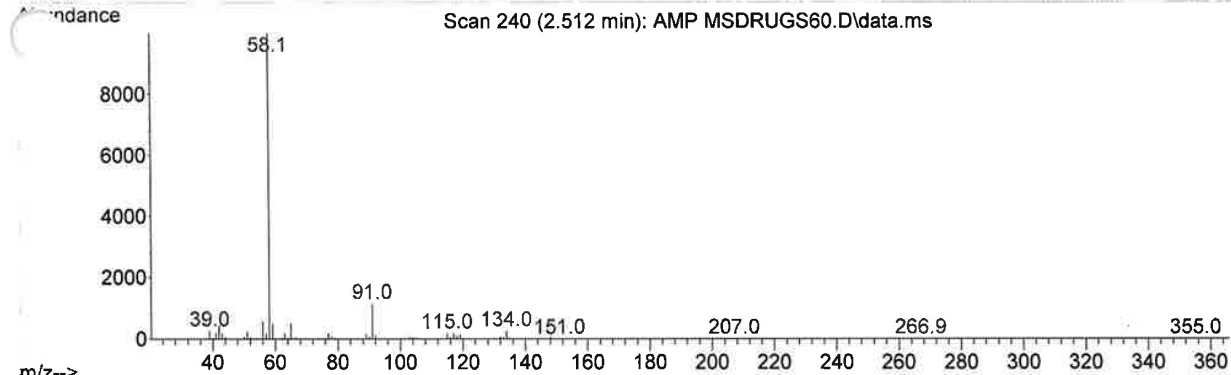
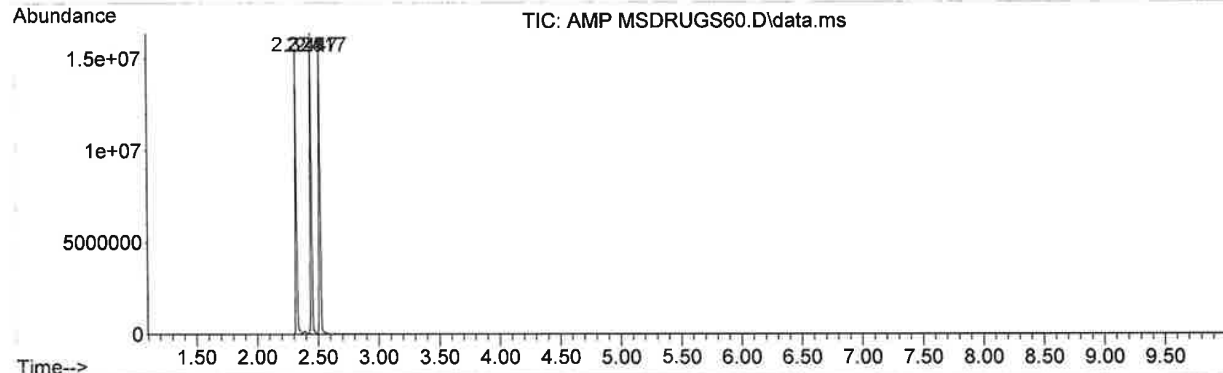
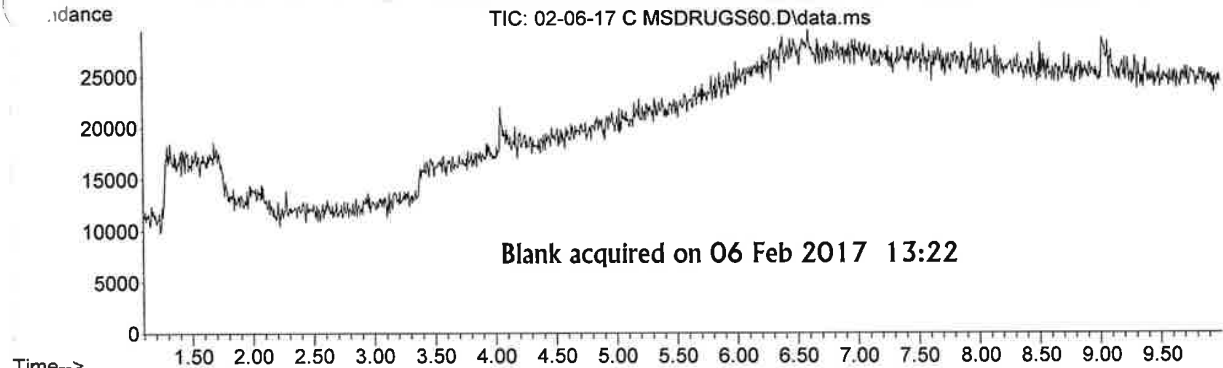
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Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

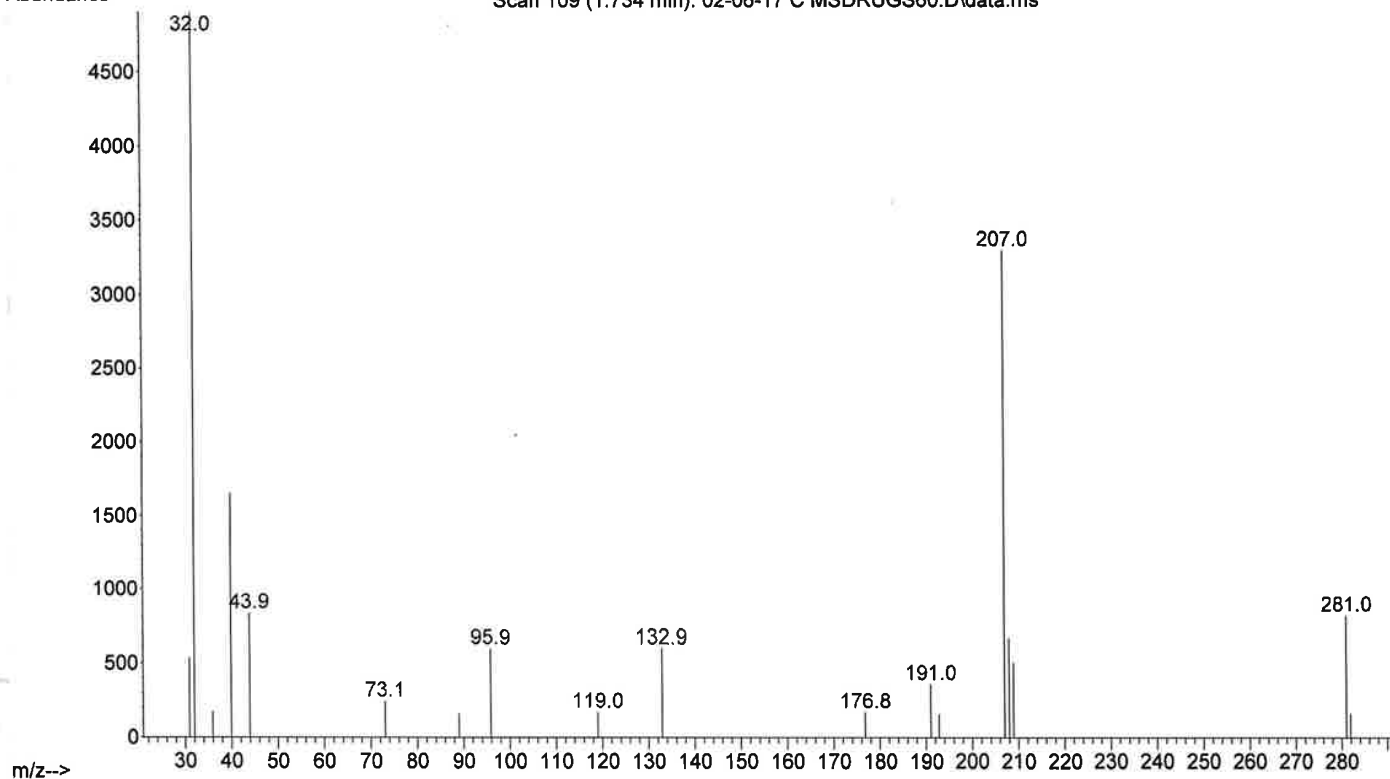
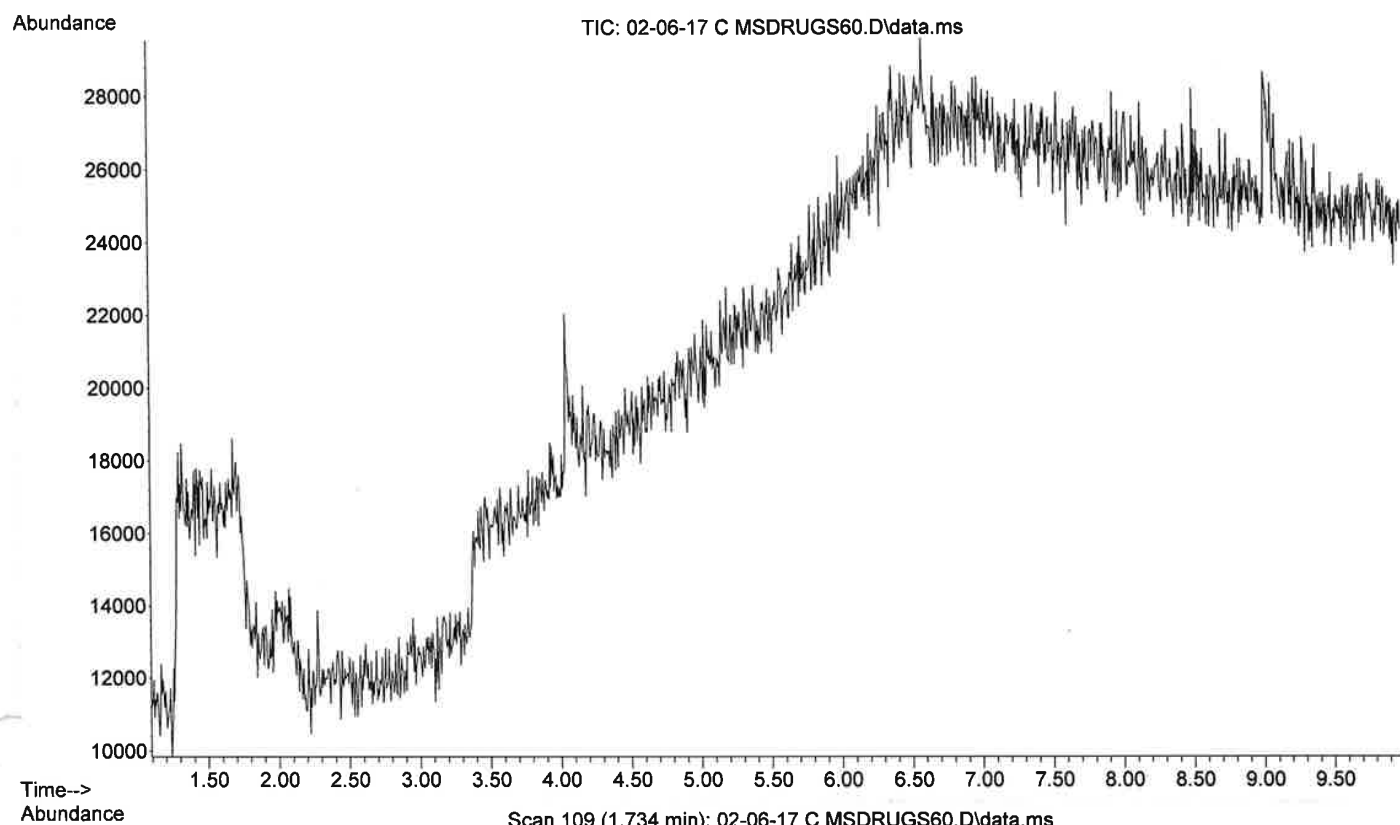
Acquired by Lela Jackson on 06 Feb 2017 13:56 in vial #

Information: Misc.: Chloroform 60-280c @70c/min for 10 min

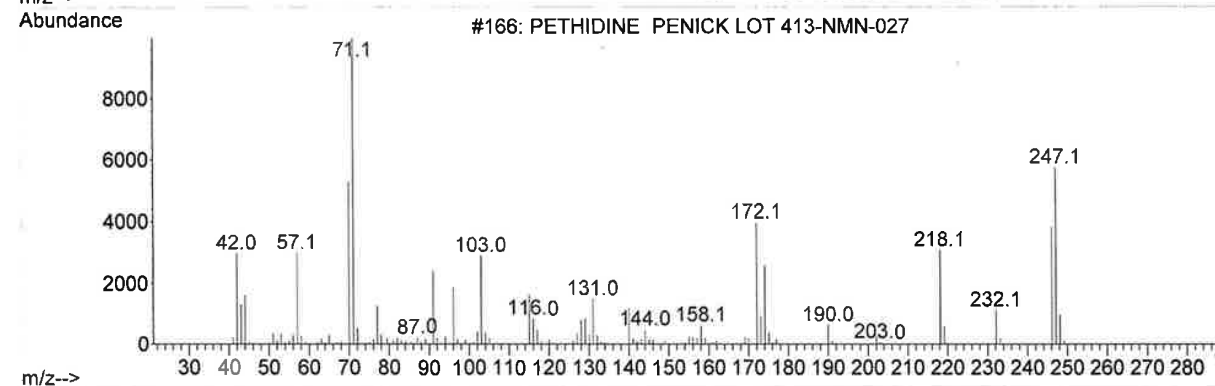
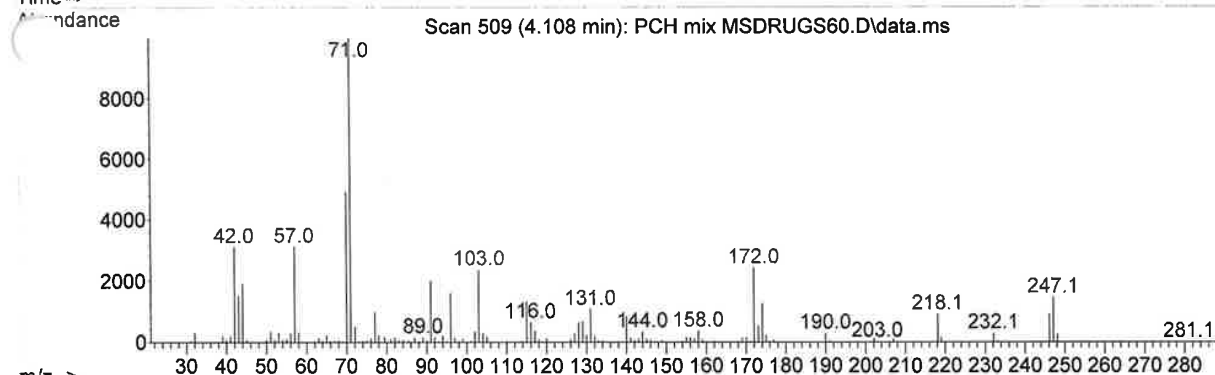
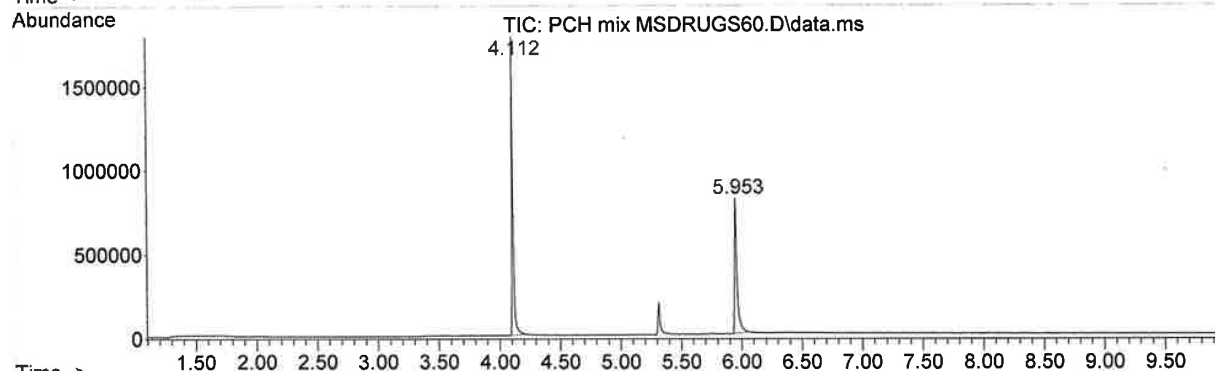
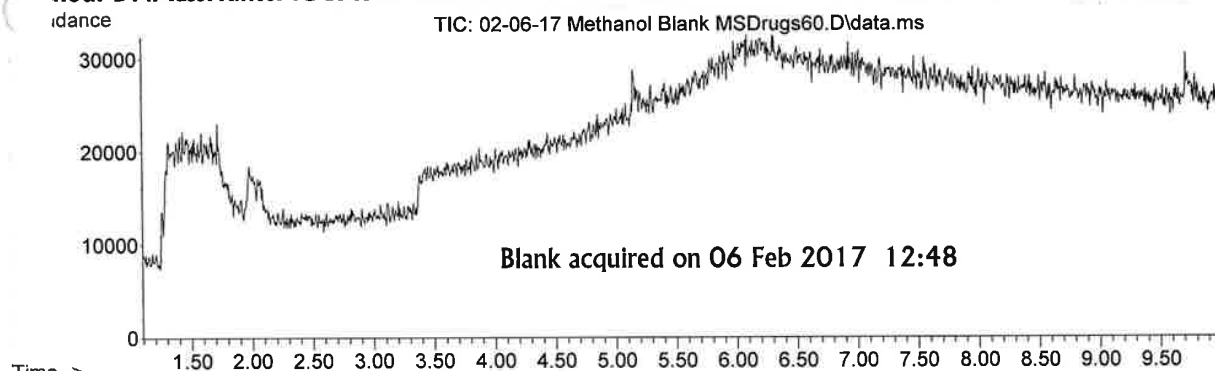
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M



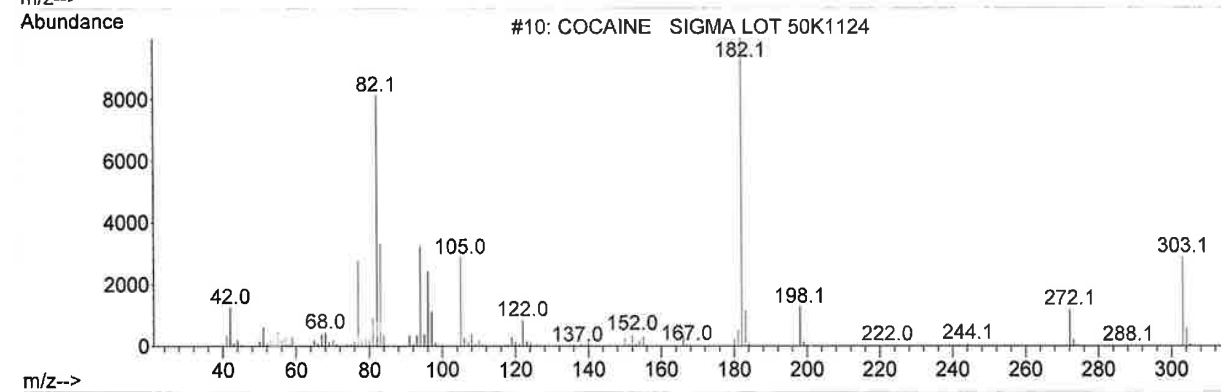
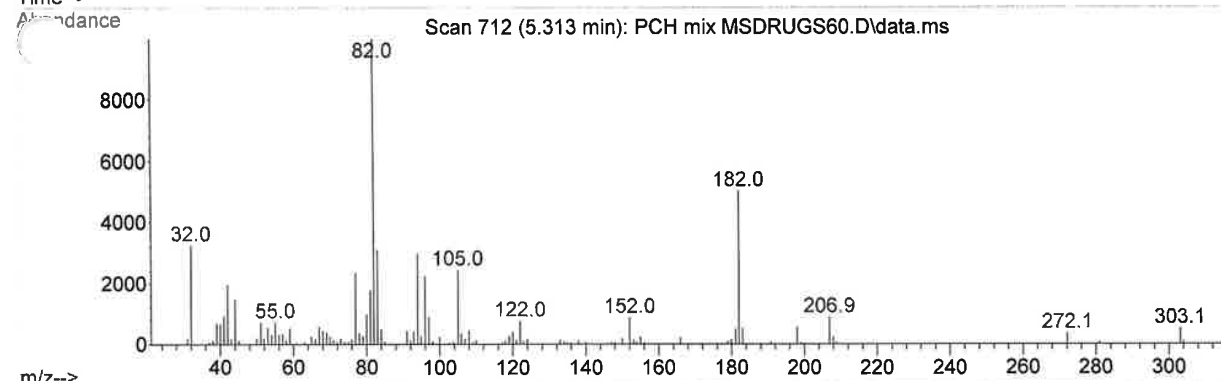
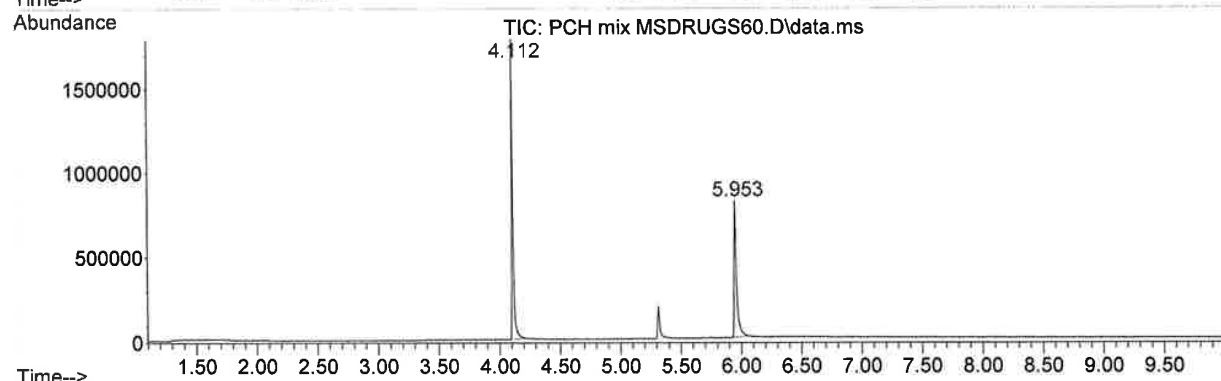
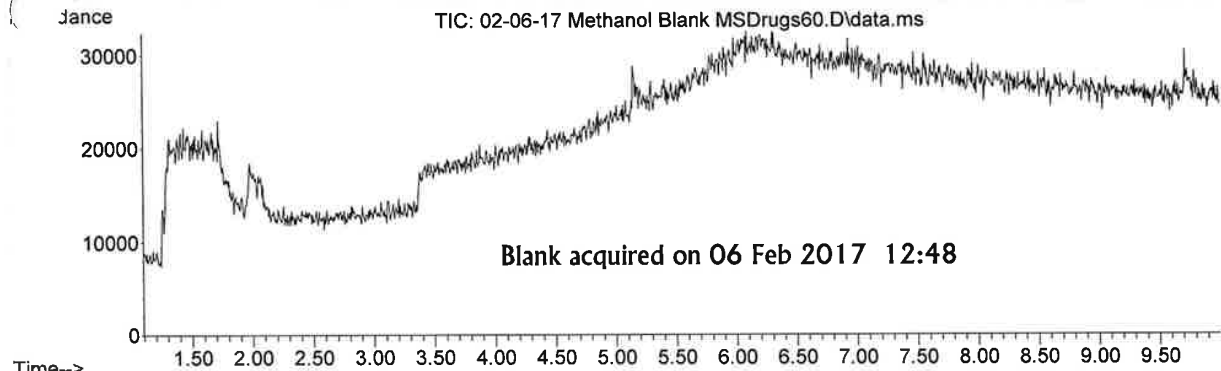
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-06-1
... 7 C MSDRUGS60.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 06 Feb 2017 13:22 using AcqMethod MSDRUGS60.M
File Name:
Info : Chloroforml 60-280c @70c/min for 10 min



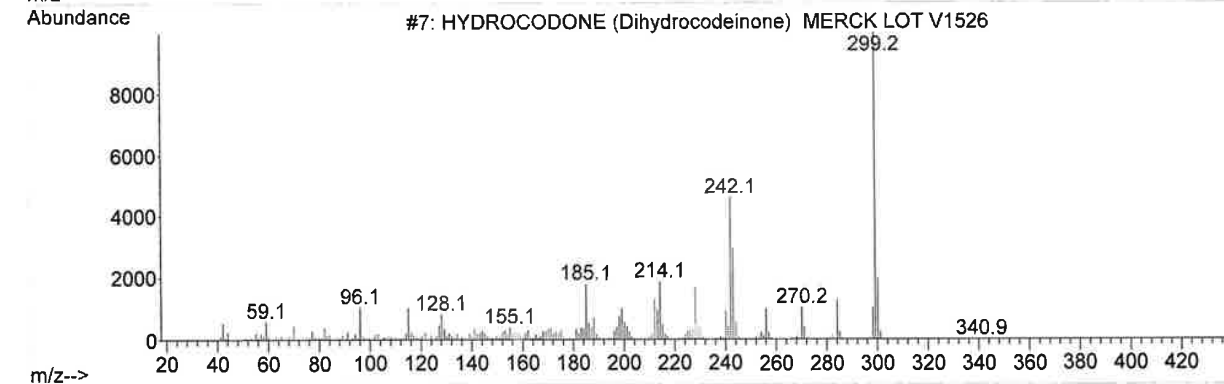
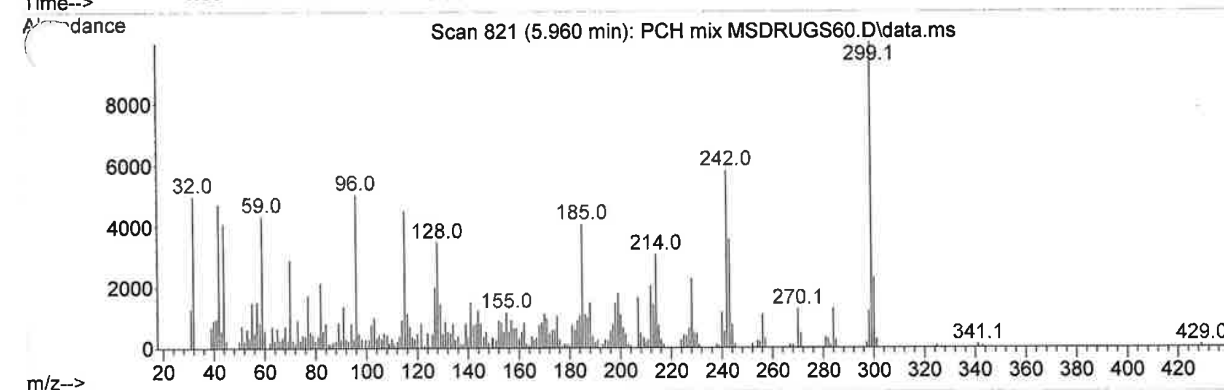
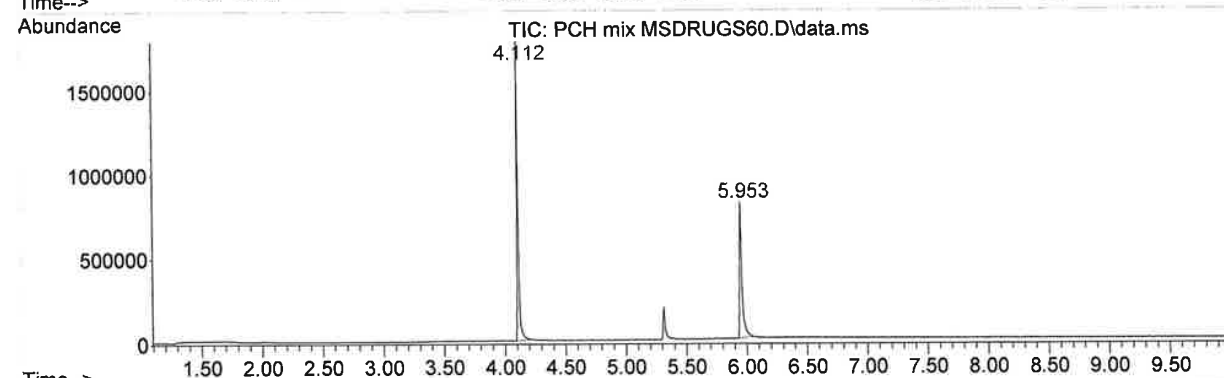
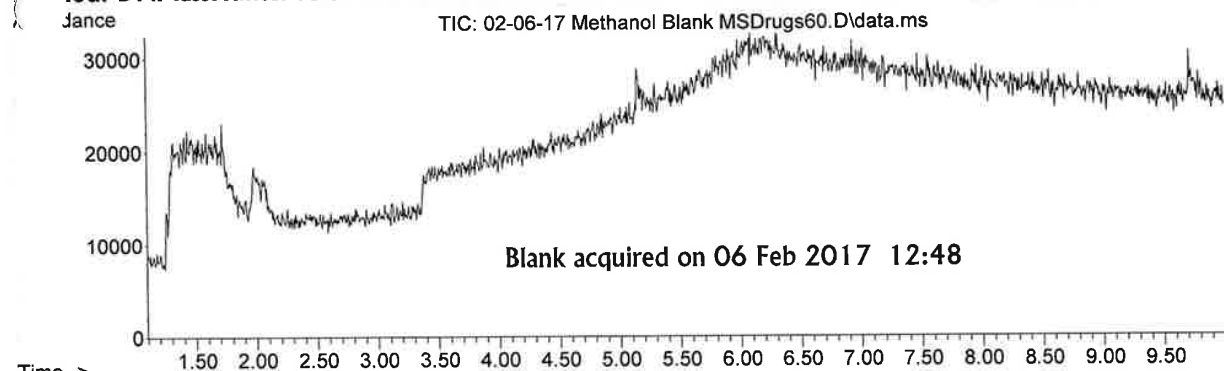
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS60.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 13:06 in vial #
Information: Misc.: Methanol 60-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M



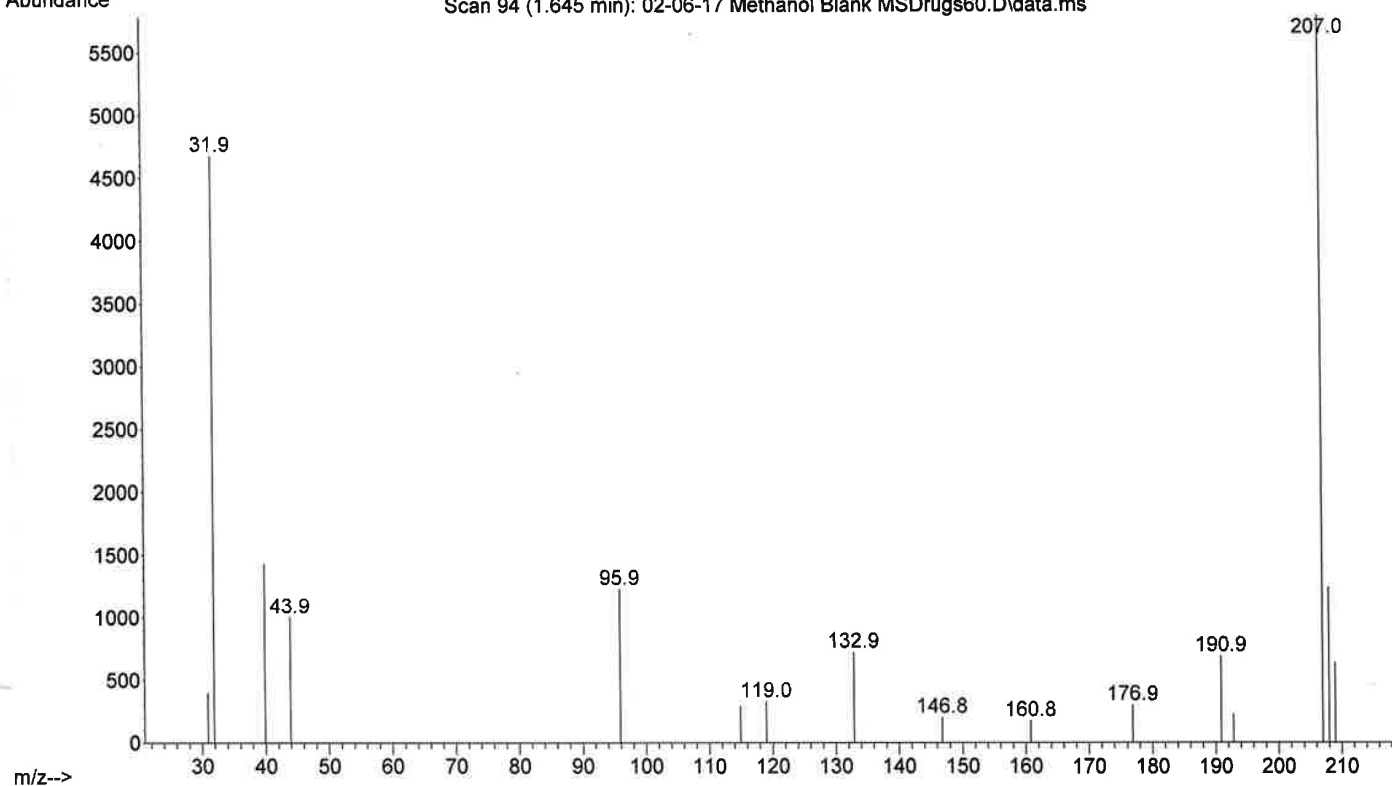
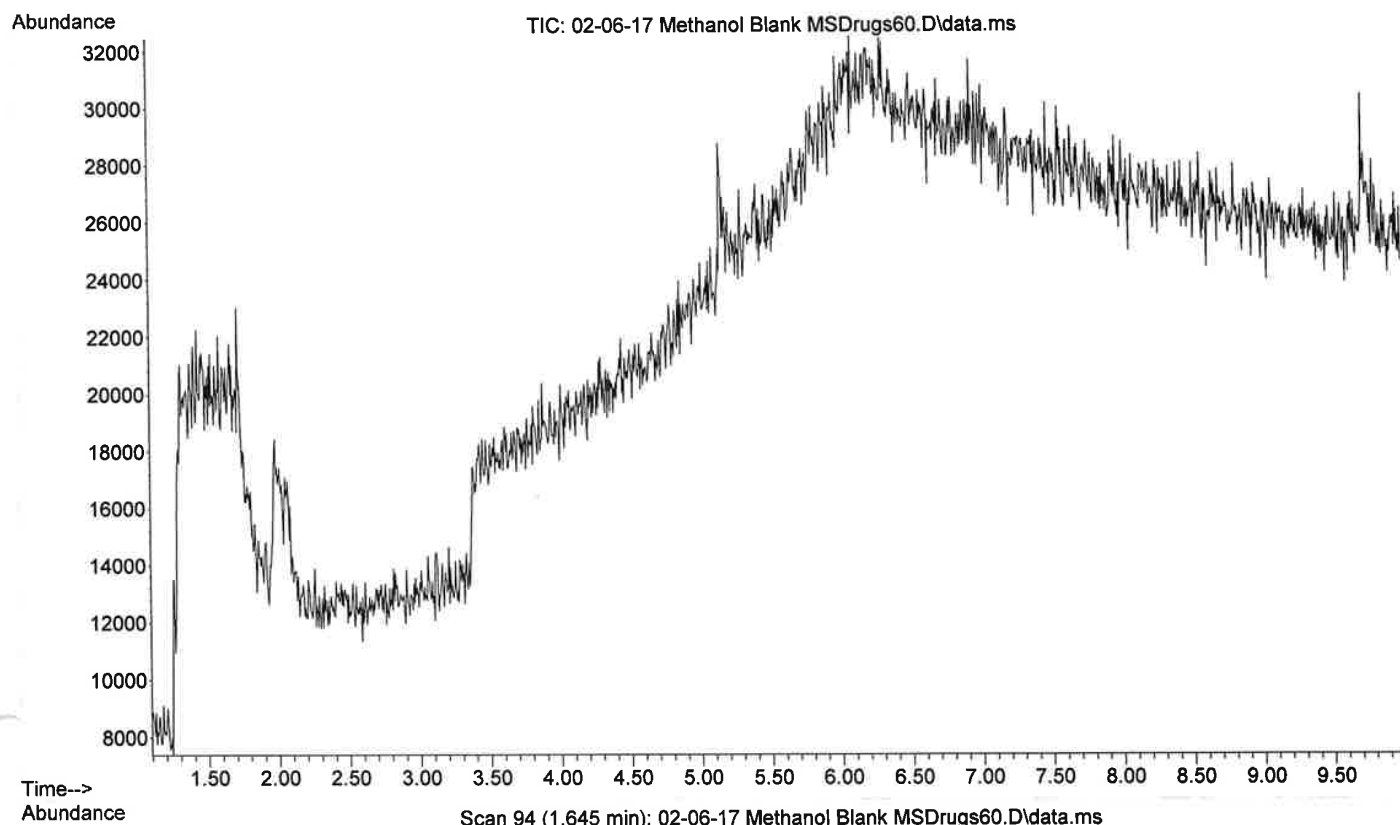
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS60.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 13:06 in vial #
Information: Misc.: Methanol 60-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M



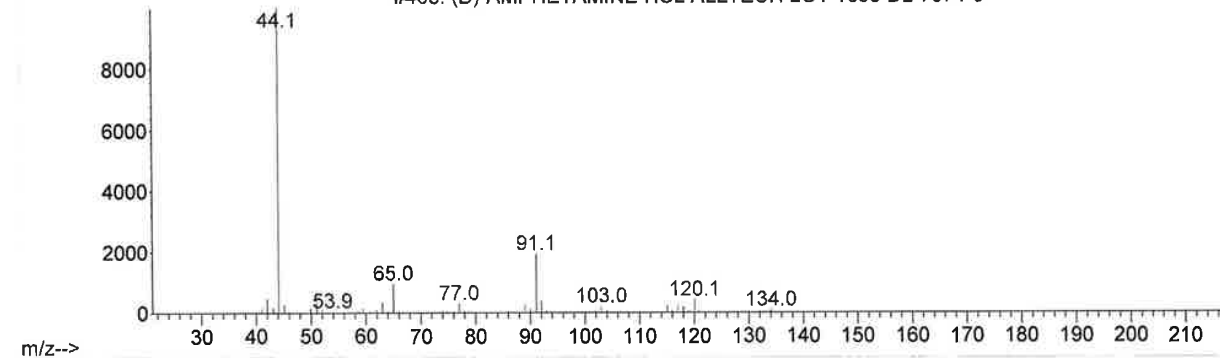
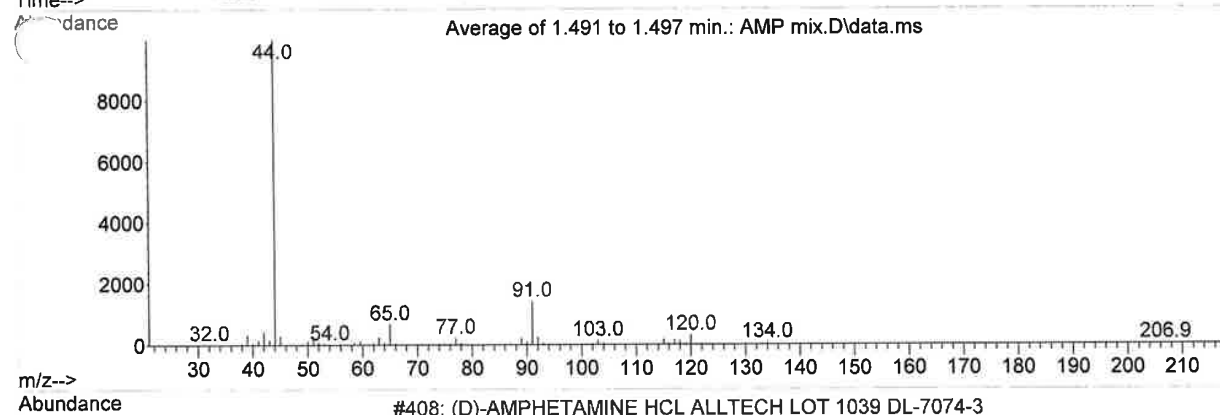
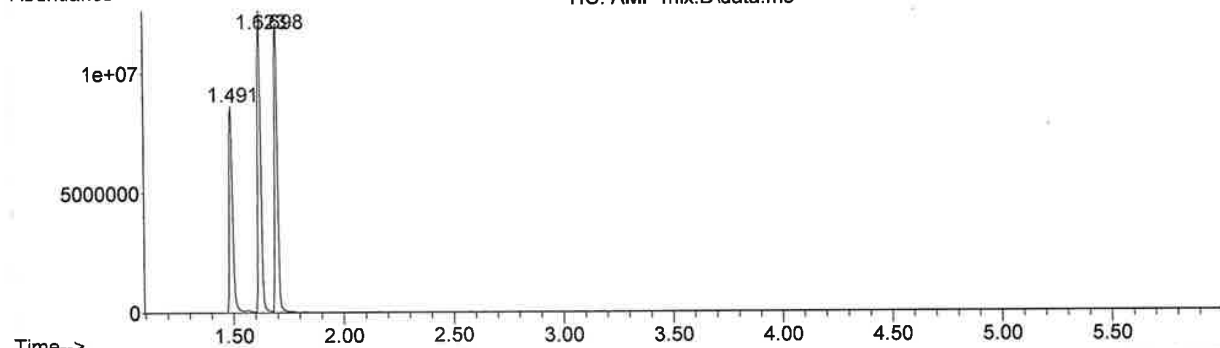
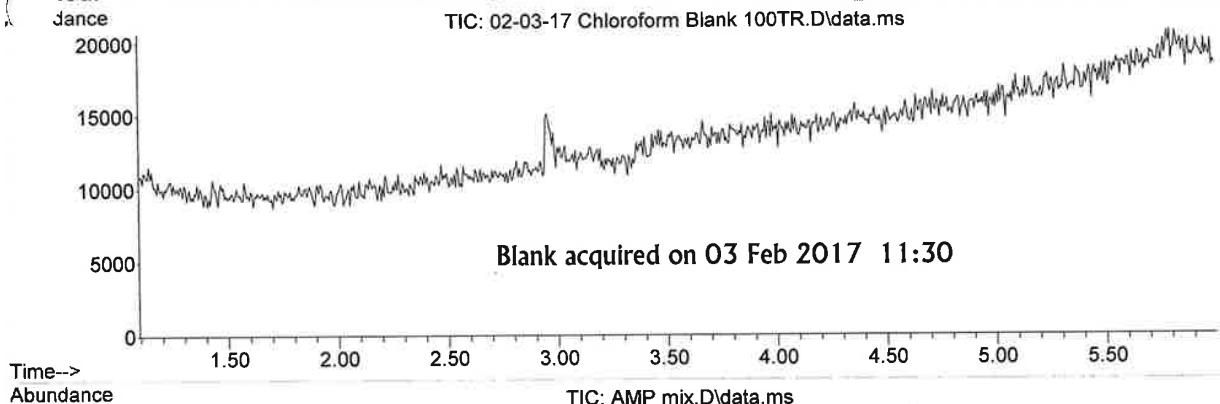
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MS DRUGS60.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 13:06 in vial #
Information: Misc.: Methanol 60-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS60.M



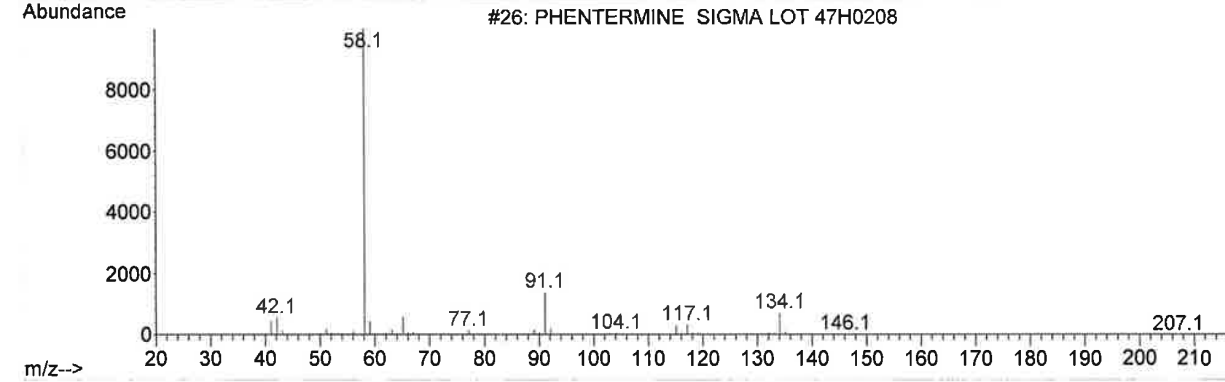
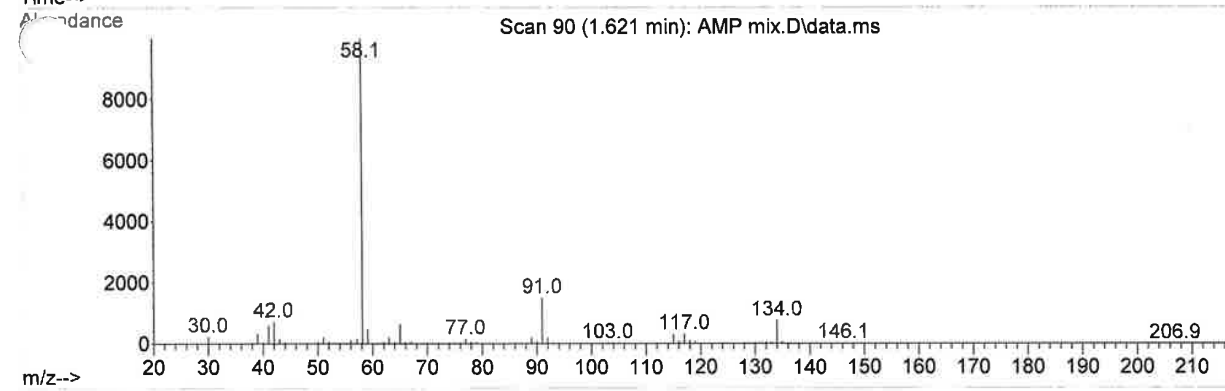
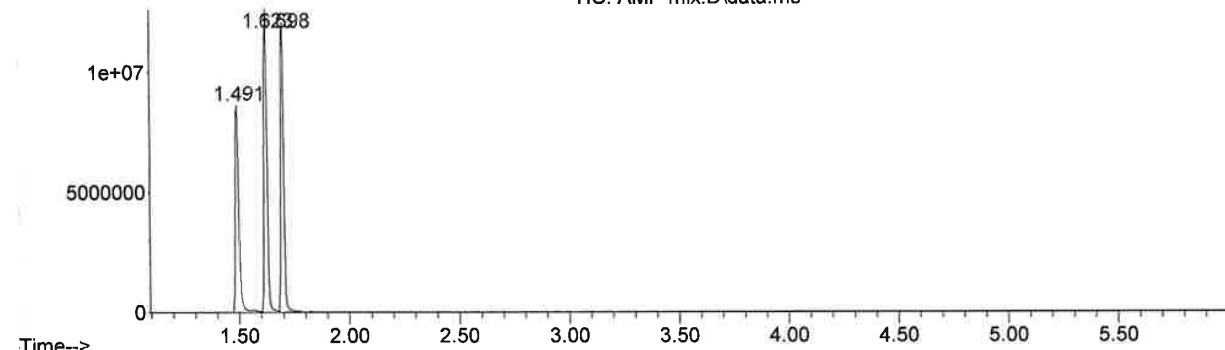
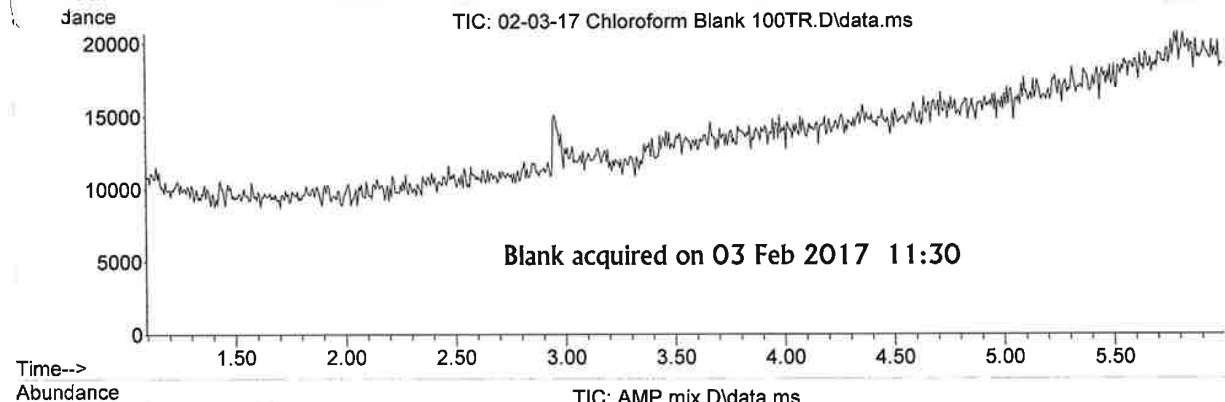
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-06-1
... 7 Methanol Blank MSDrugs60.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 06 Feb 2017 12:48 using AcqMethod MSDRUGS60.M
File Name:
Info : Methanol 60-280c @70c/min for 10 min



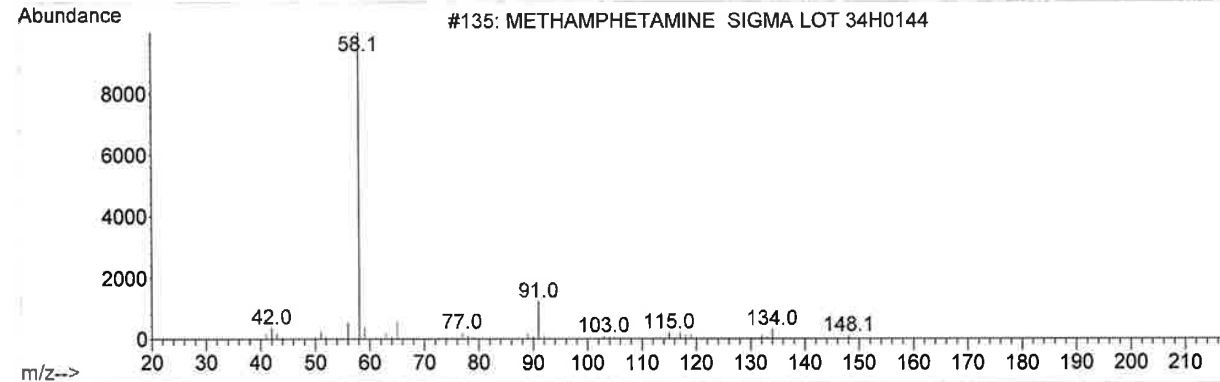
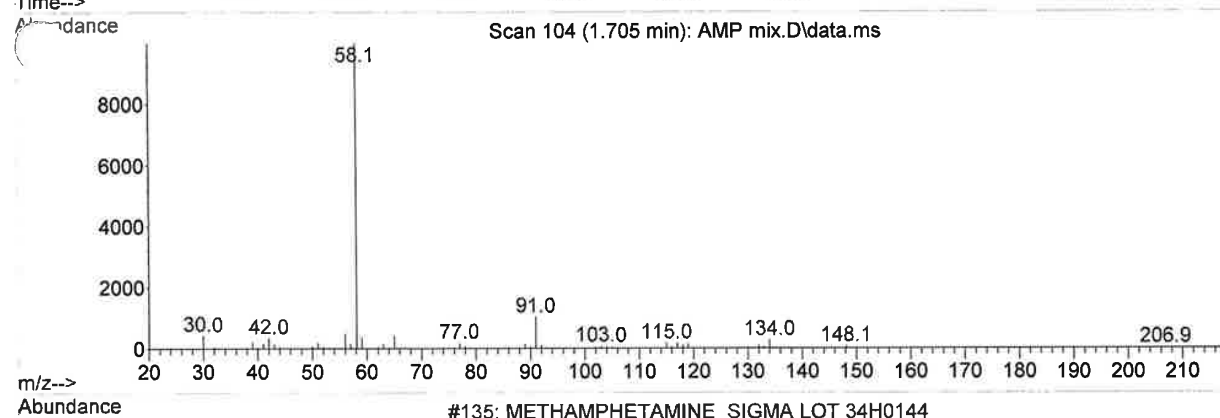
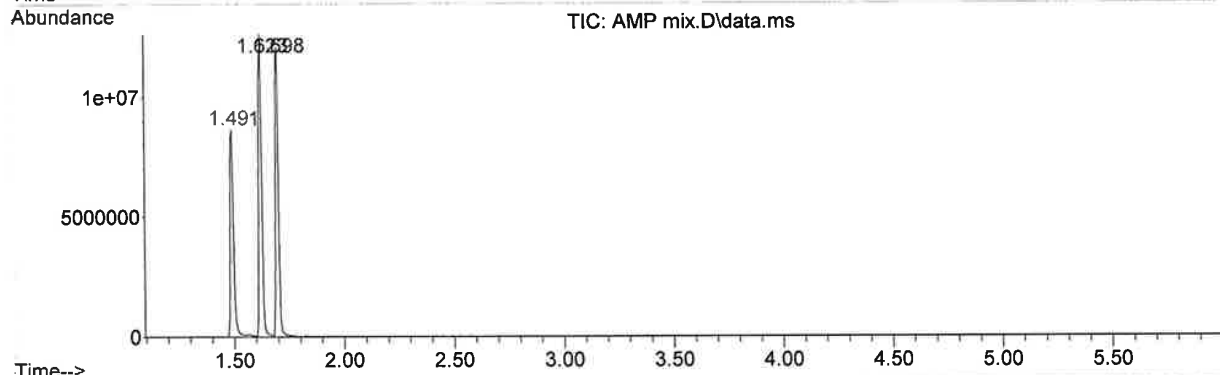
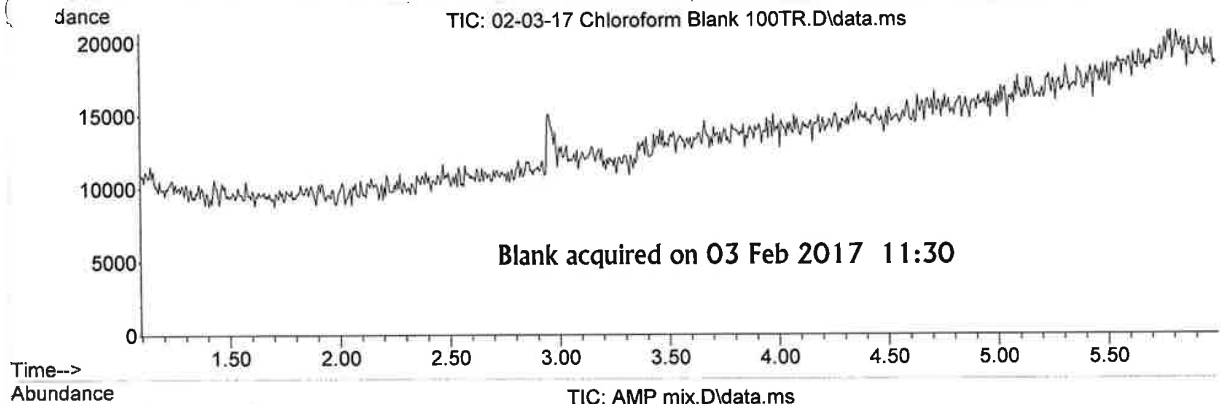
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP mix.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 12:47 in vial #
Information: Misc.: Chloroform 100-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS100TR.M



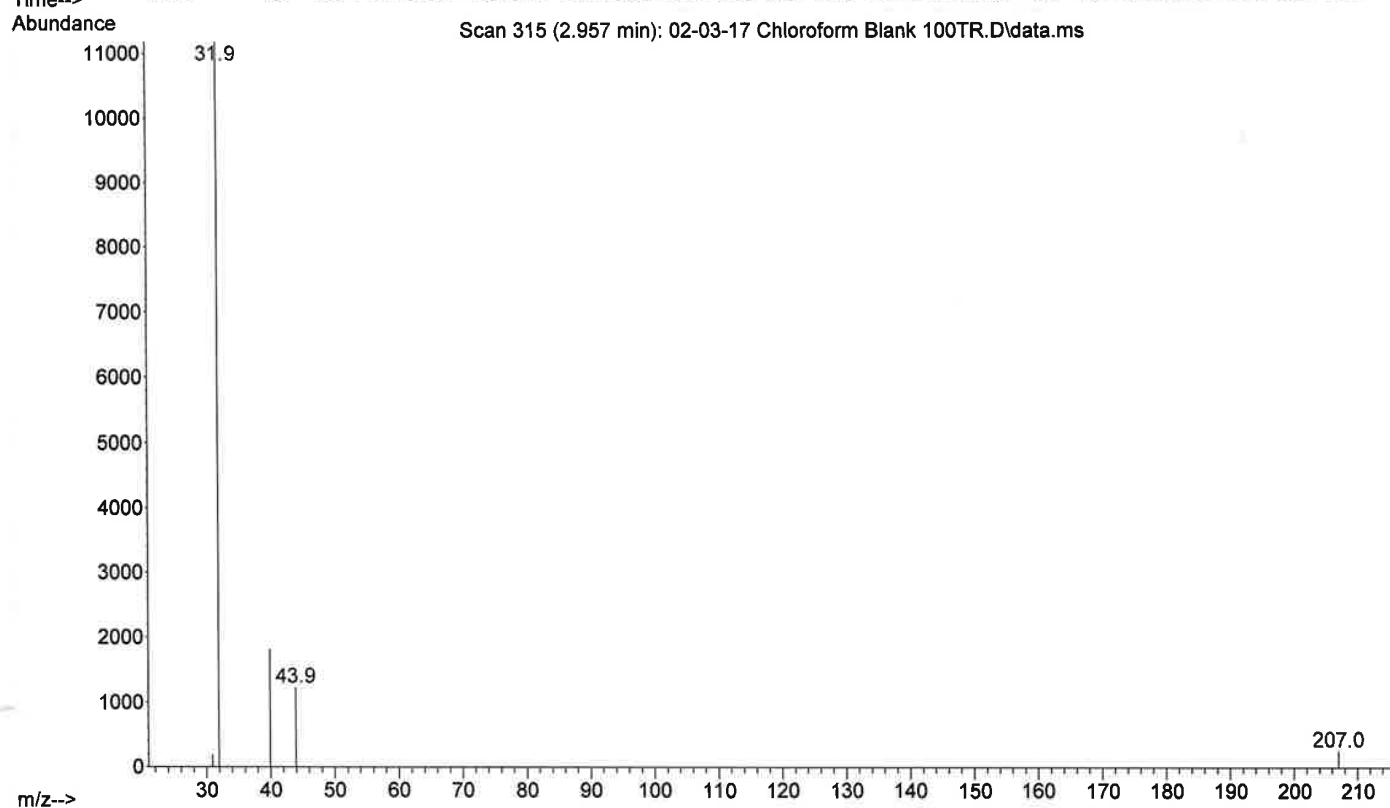
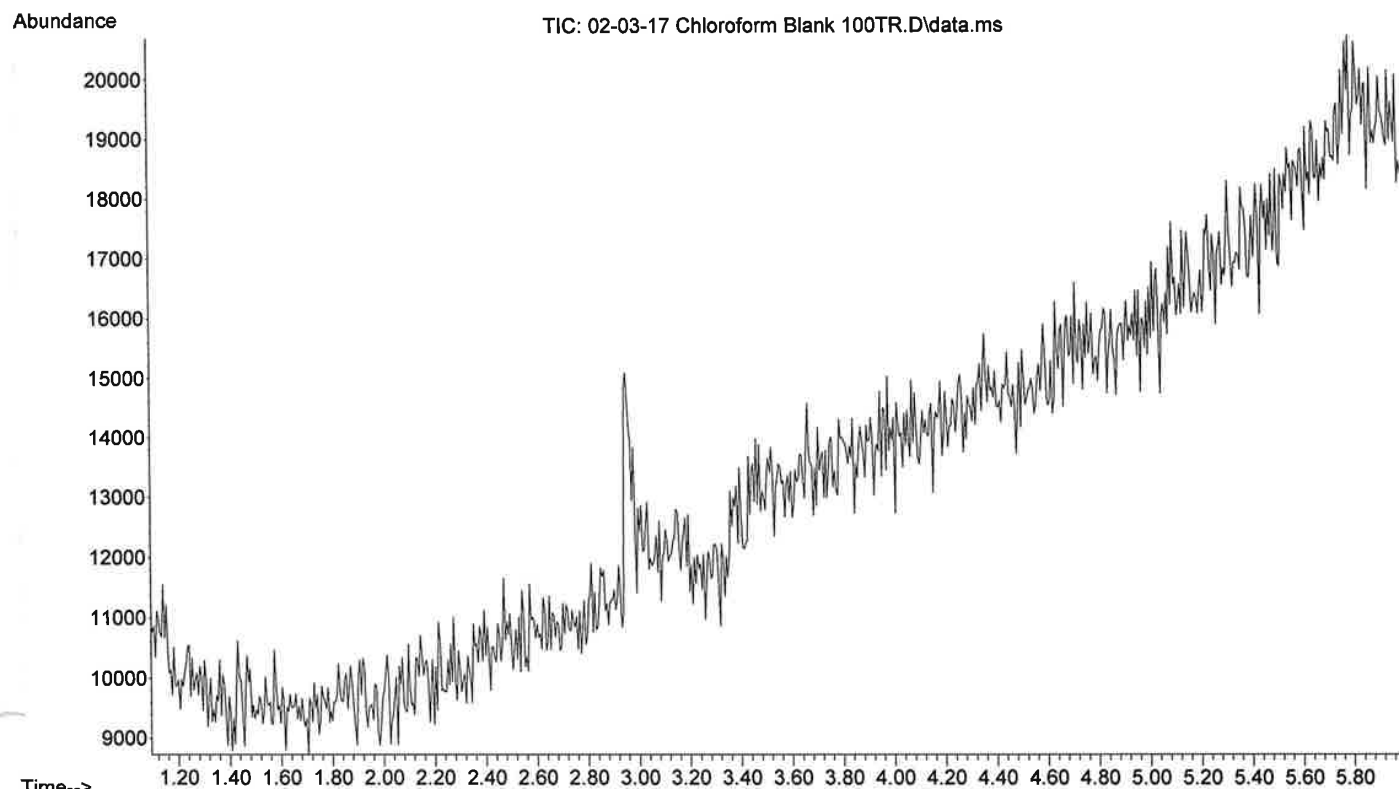
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP mix.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 12:47 in vial #
Information: Misc.: Chloroform 100-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS100TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP mix.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 12:47 in vial #
Information: Misc.: Chloroform 100-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS100TR.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-03-1
... 7 Chloroform Blank 100TR.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Feb 2017 11:30 using AcqMethod MS100TR.M
File Name:
Info : Chloroform1 100-280c @70c/min for 6 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

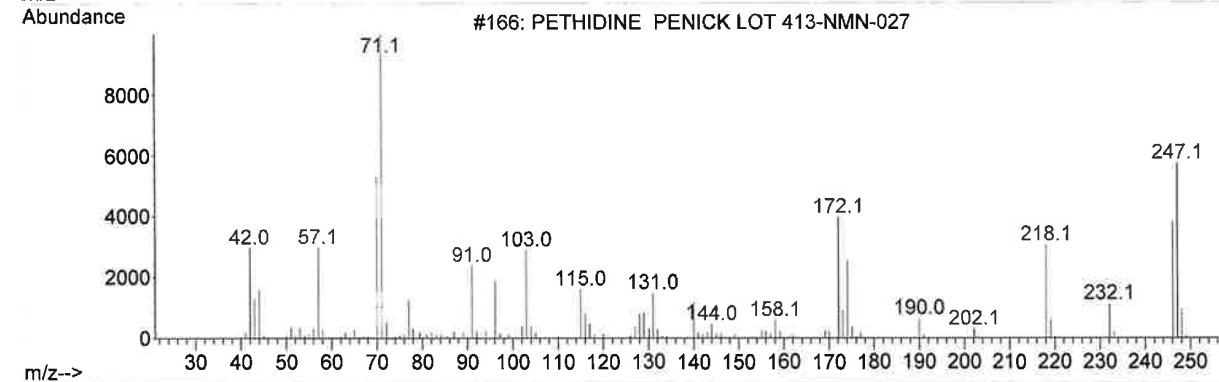
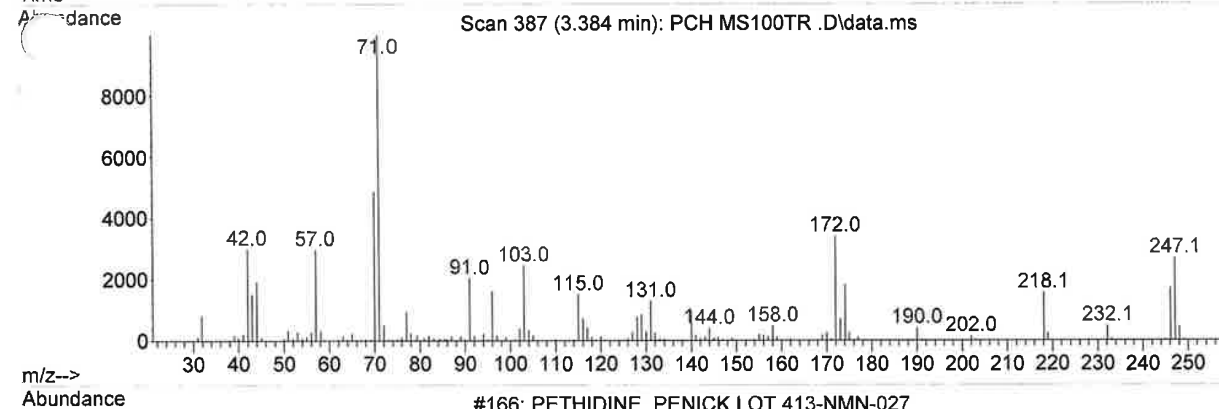
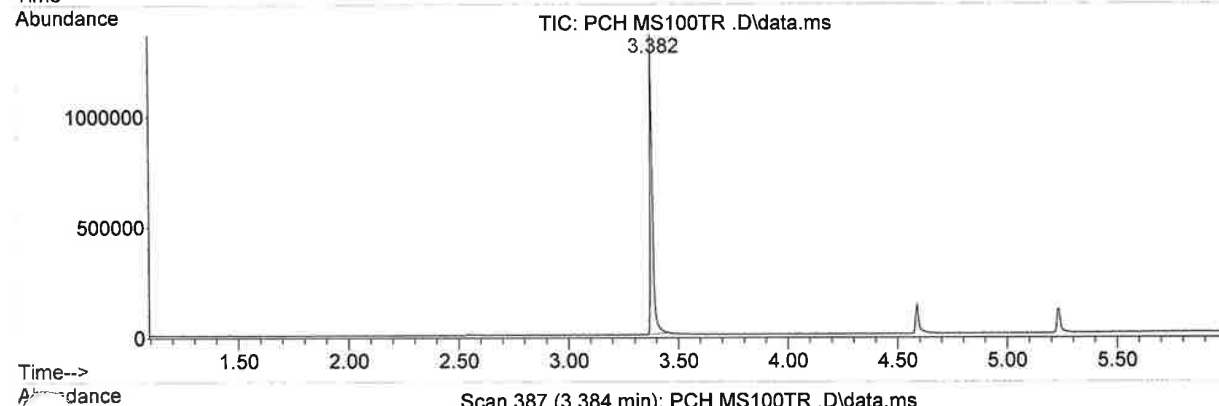
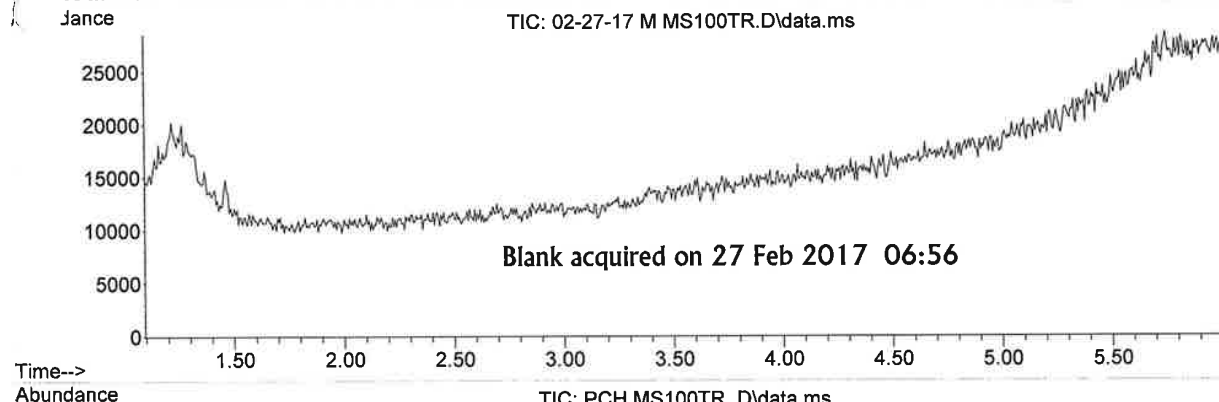
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-27-17\PCH MS100TR.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

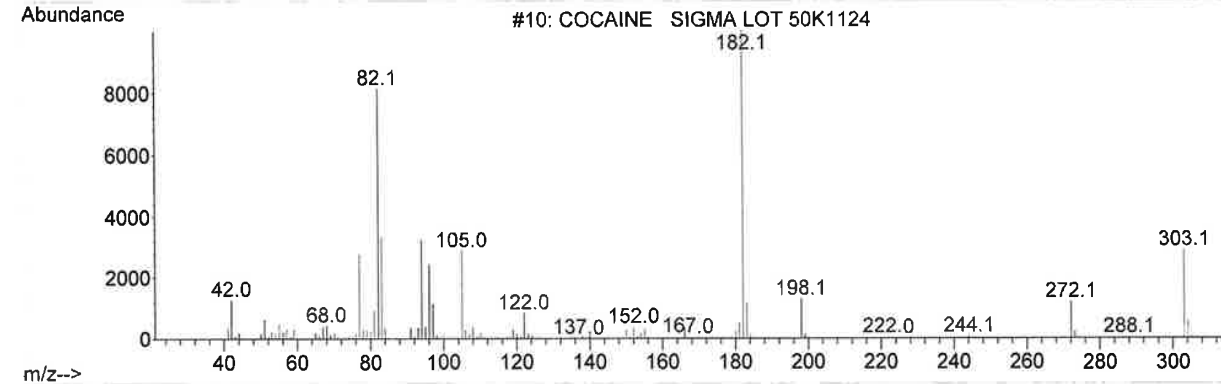
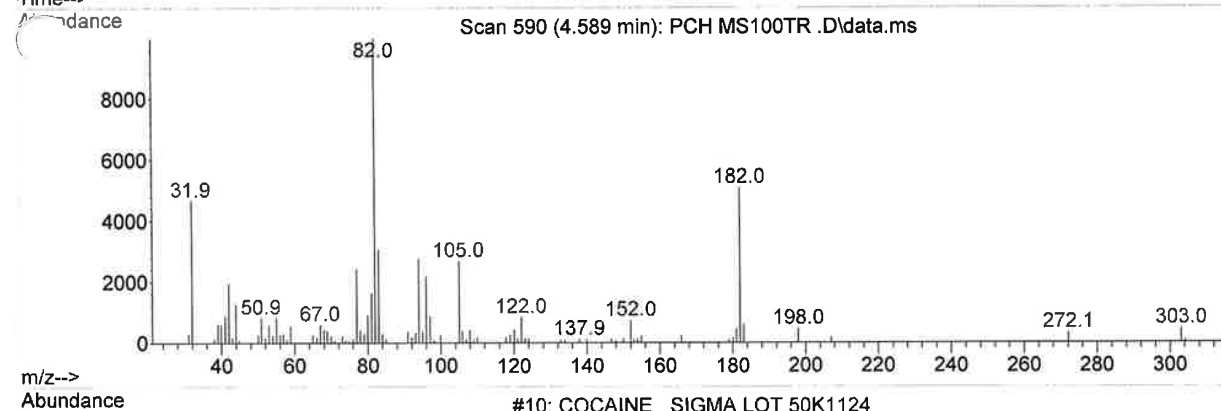
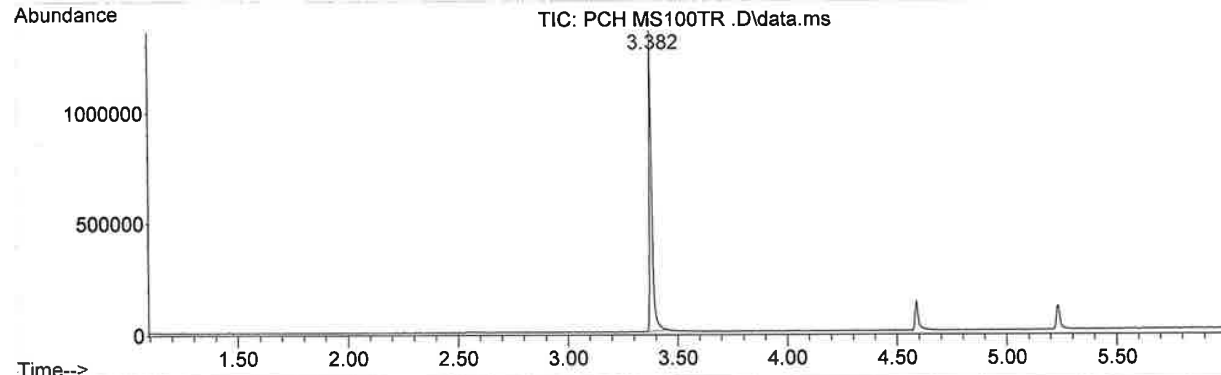
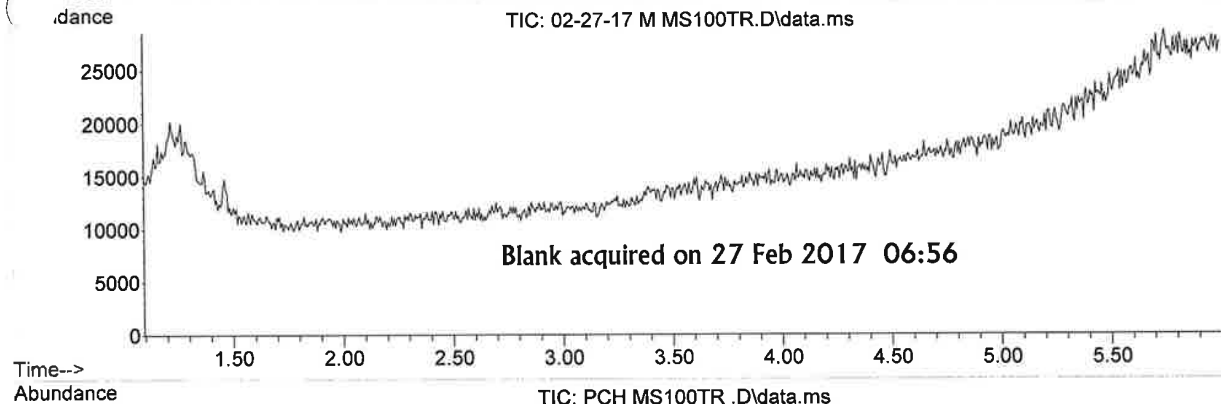
Acquired by Lela Jackson on 27 Feb 2017 07:34 in vial #

Information: Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\MS100TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-27-17\PCH MS100TR.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 27 Feb 2017 07:34 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS100TR.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

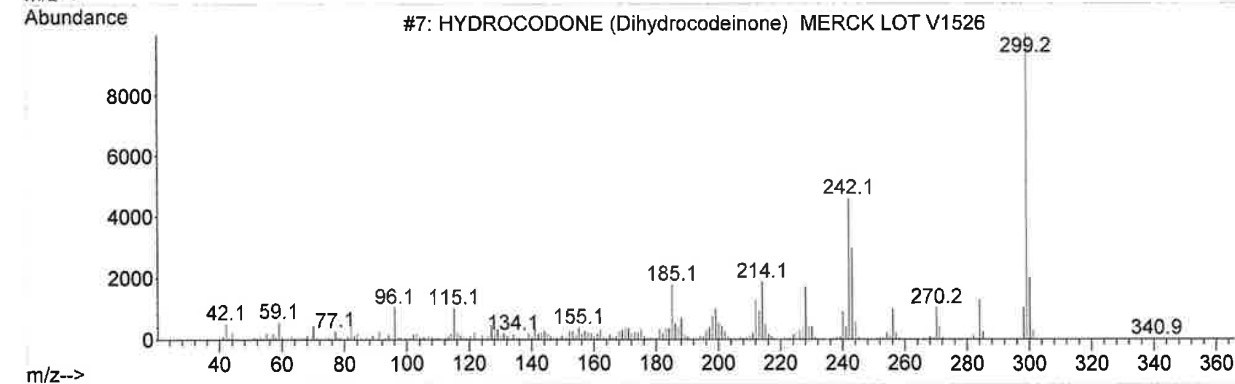
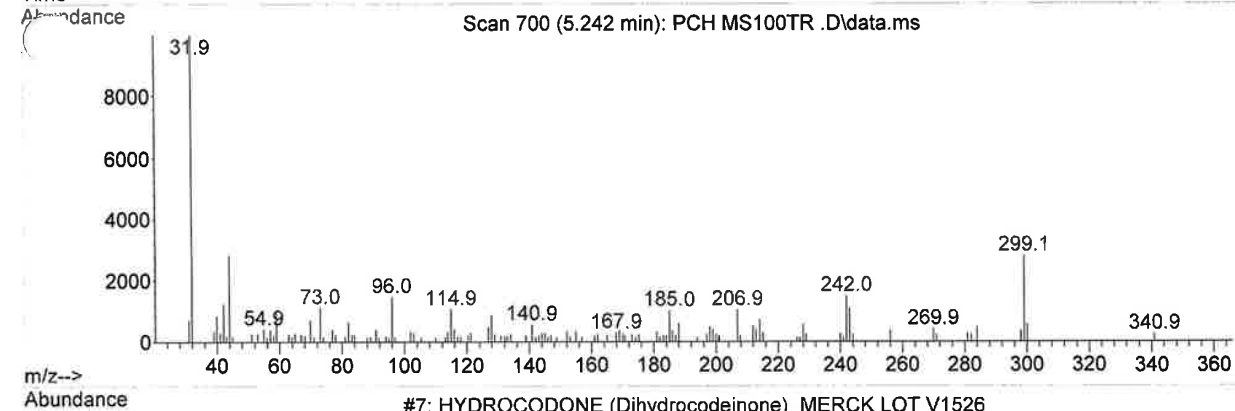
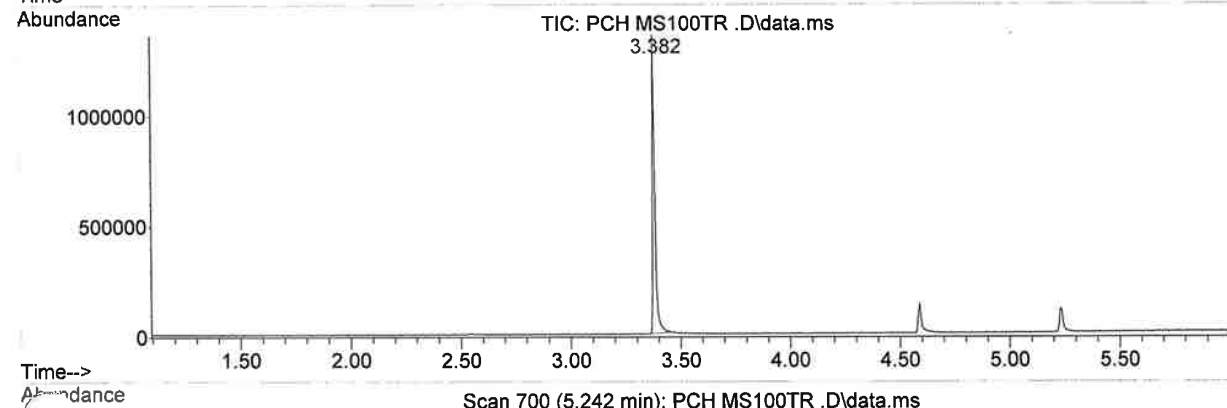
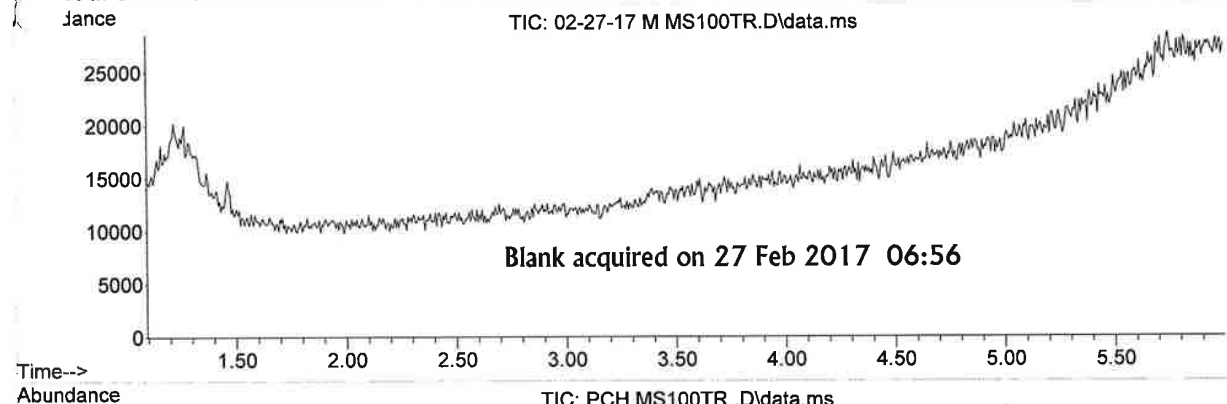
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-27-17\PCH MS100TR.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

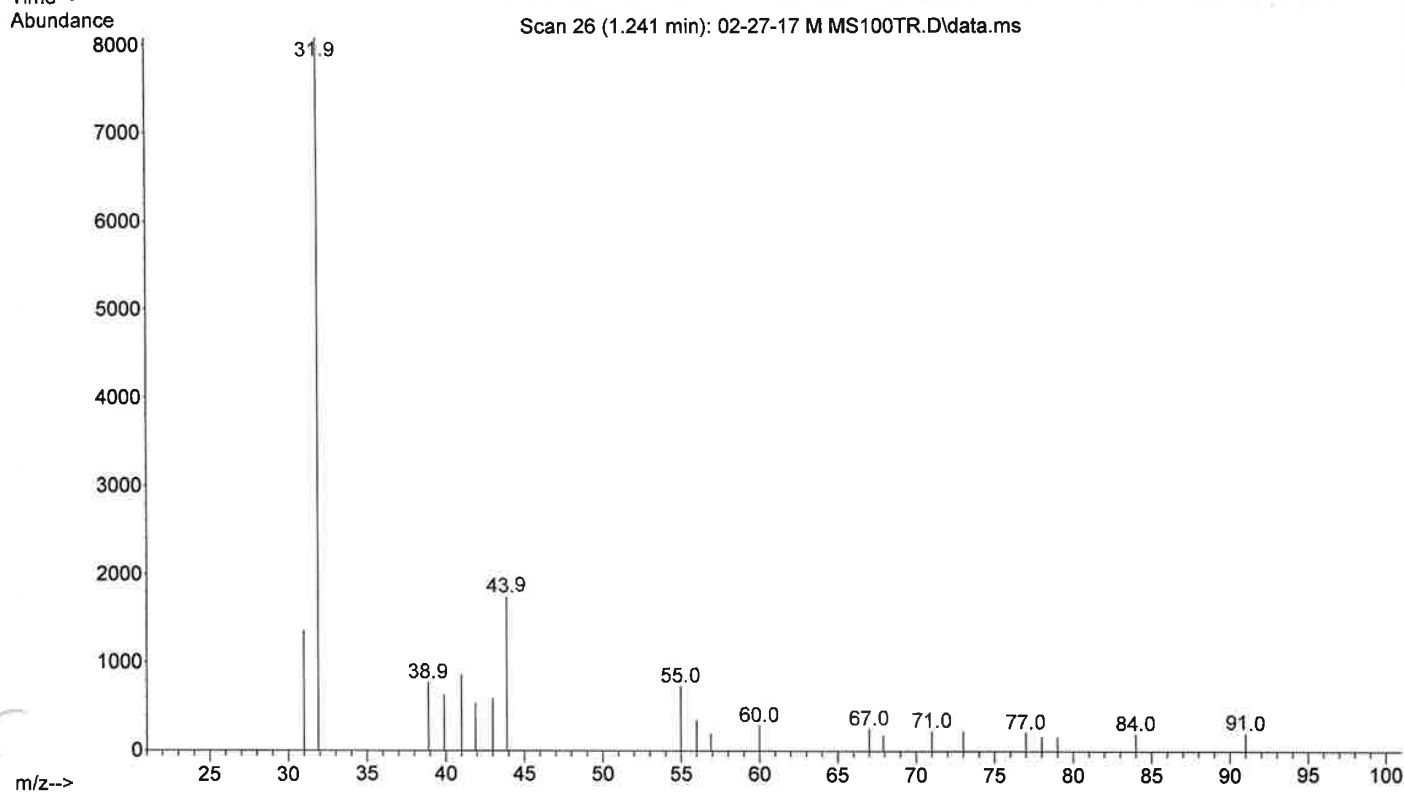
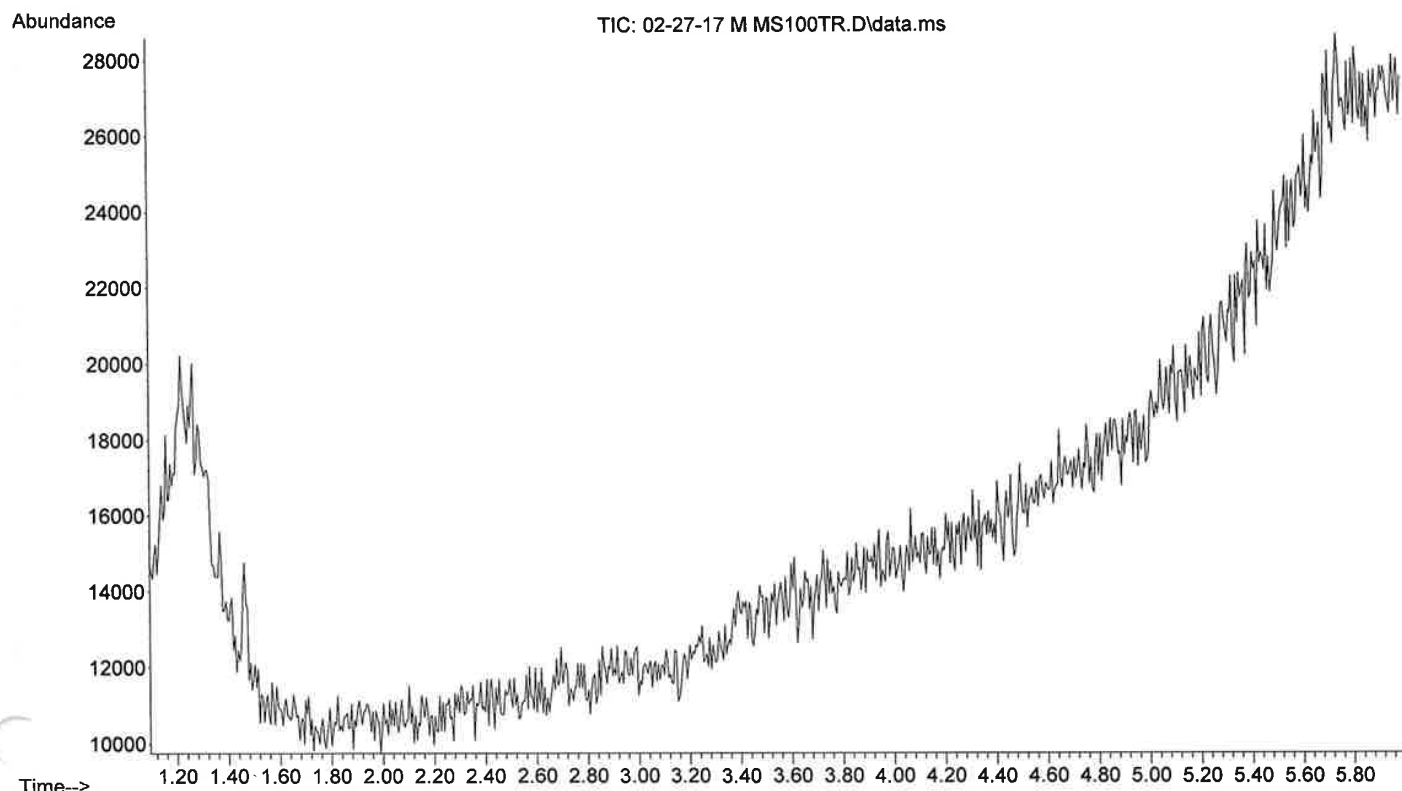
Acquired by Lela Jackson on 27 Feb 2017 07:34 in vial #

Information: Misc.: Methanol 100-280c @70c/min for 6 min

Method: D:\MassHunter\GCMS\1\methods\MS100TR.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\02-27-17\02-27-17
... M MS100TR.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 27 Feb 2017 06:56 using AcqMethod MS100TR.M
Sample Name:
Methanol 100-280c @70c/min for 6 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

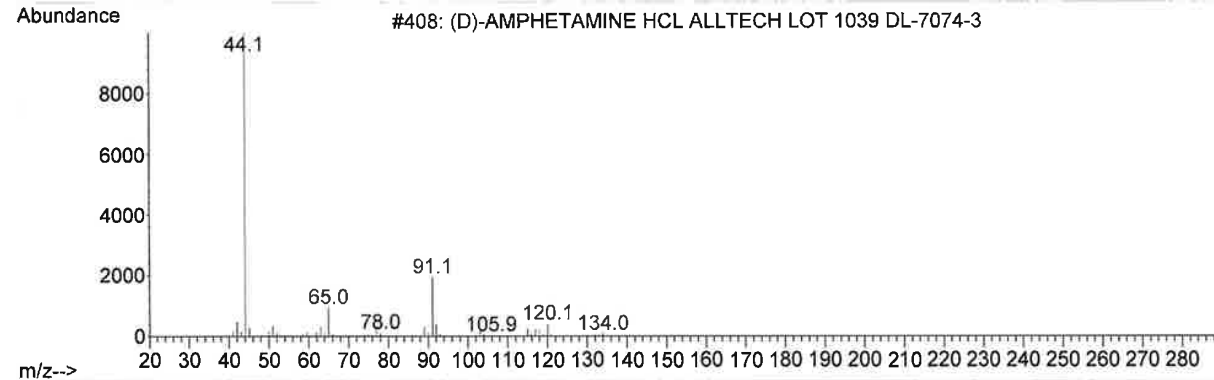
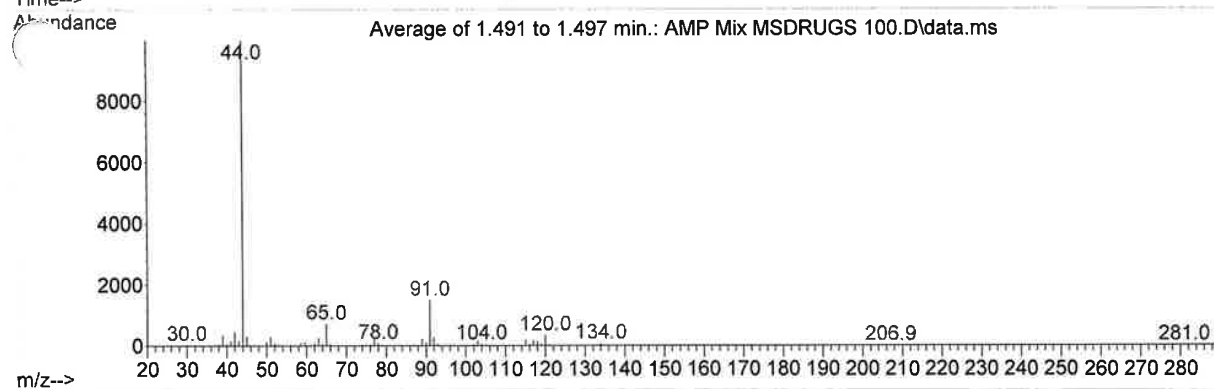
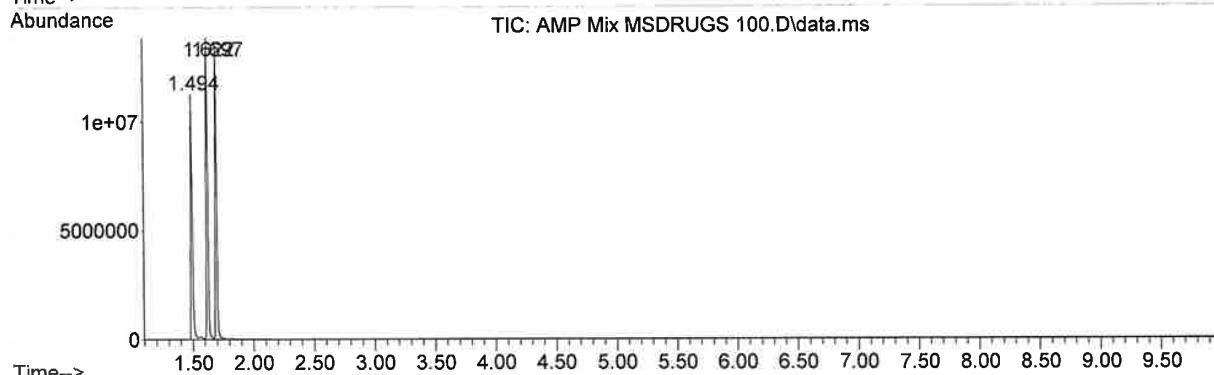
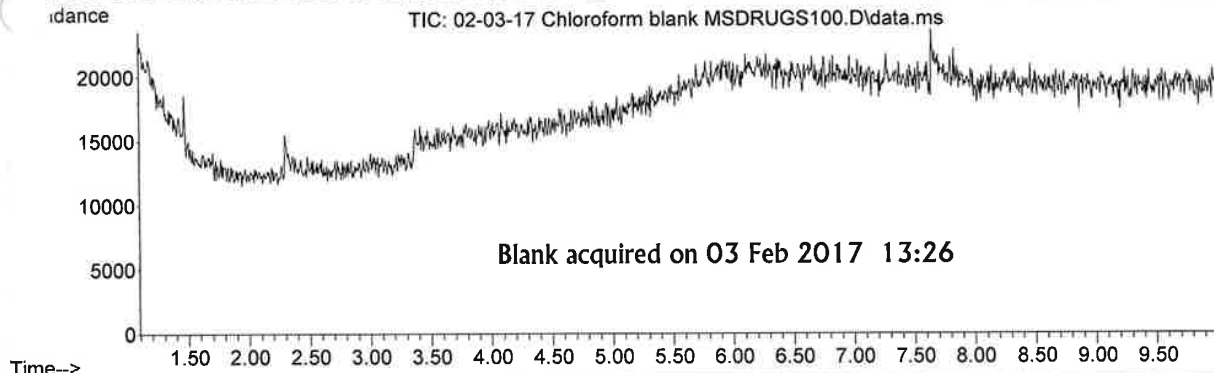
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP Mix MSDRUGS 100.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 03 Feb 2017 13:42 in vial #

Information: Amphetamine, Phentermine, Methamphetamine Misc.: Chloroform 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

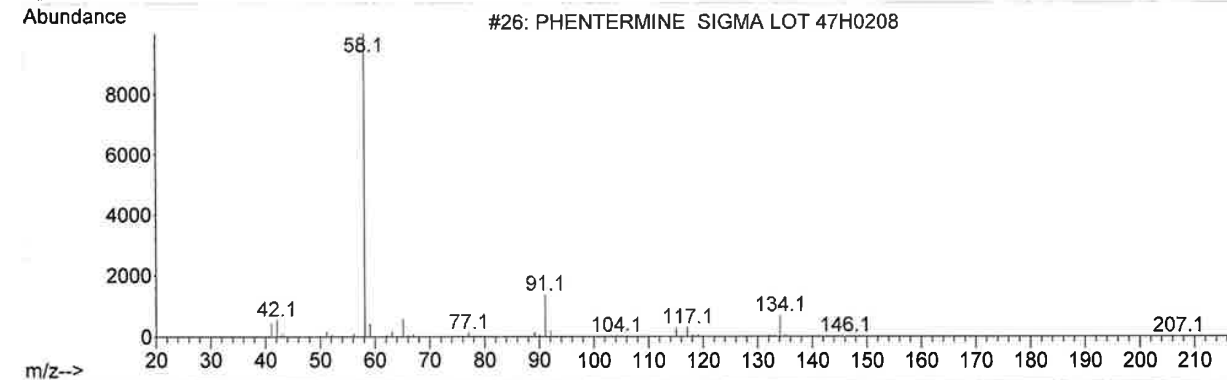
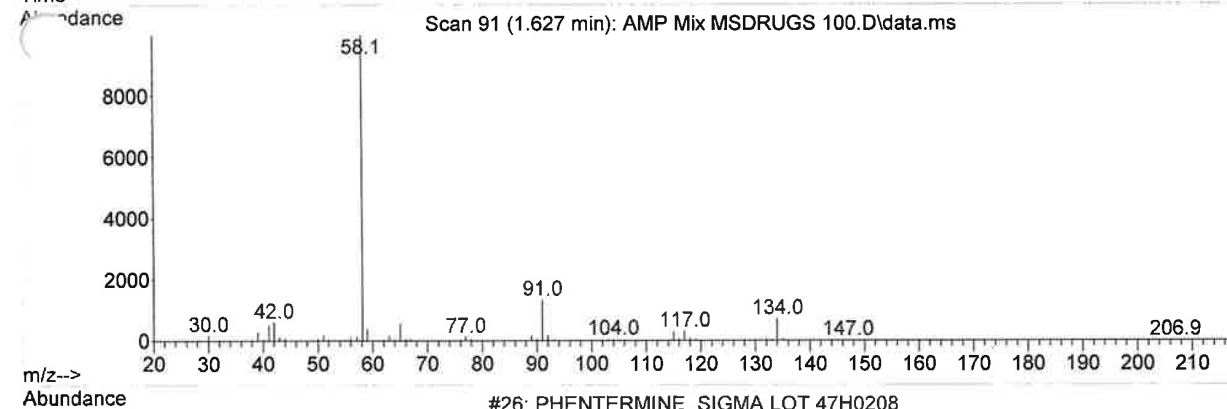
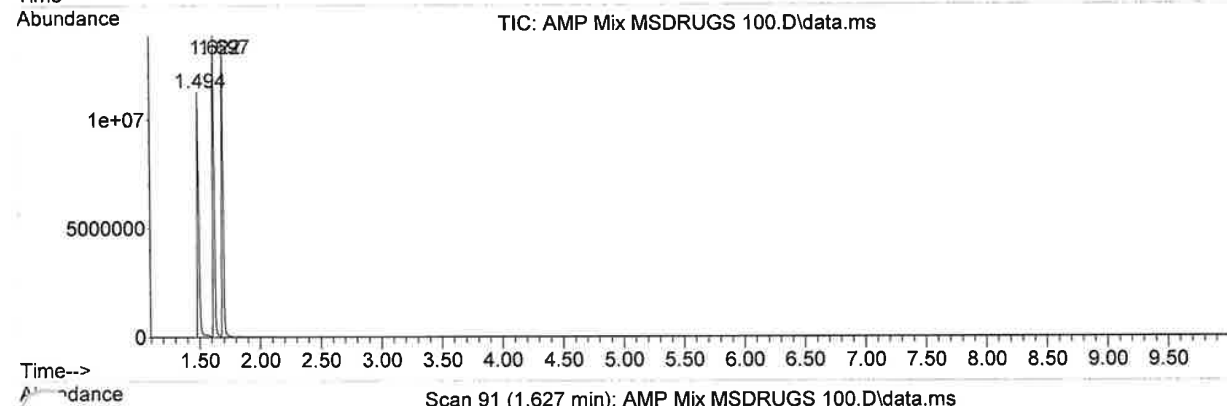
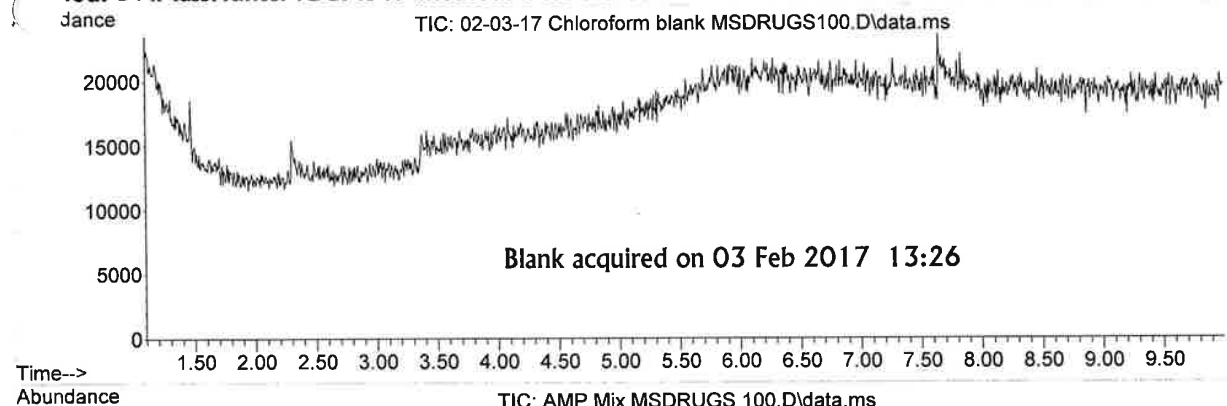
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AMP Mix MSDRUGS 100.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

Acquired by Lela Jackson on 03 Feb 2017 13:42 in vial #

Information: Amphetamine, Phentermine, Methamphetamine Misc.: Chloroform 100-280c @70c/min for 10 min

Method: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory

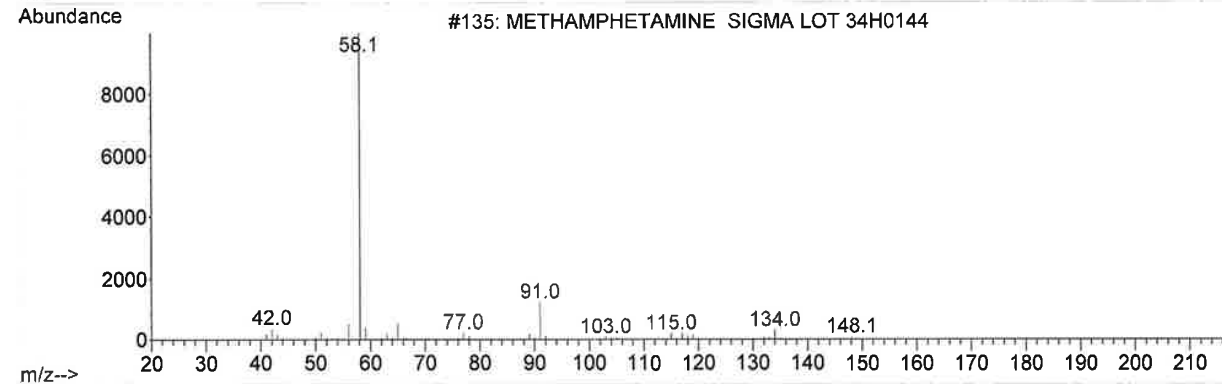
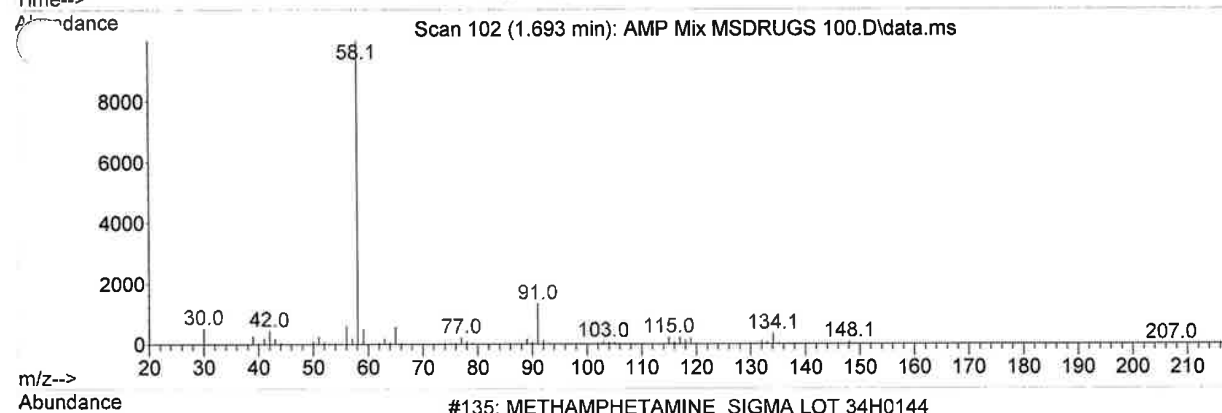
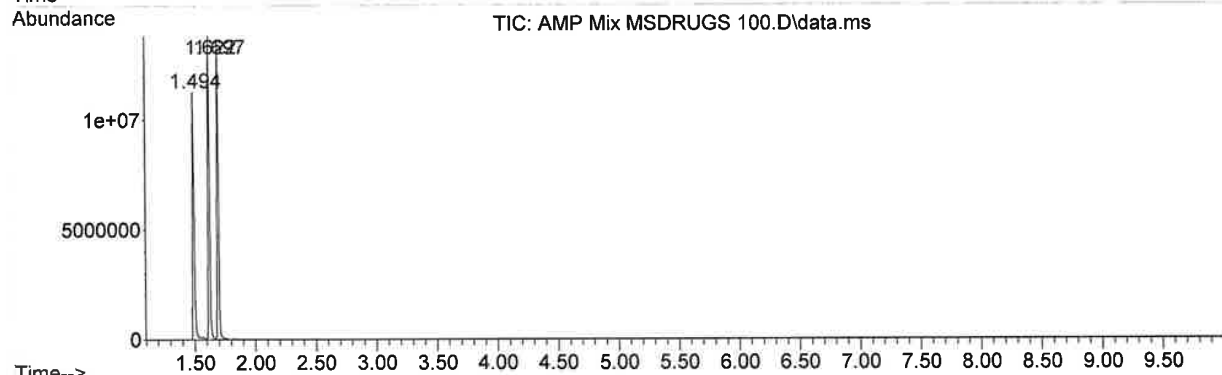
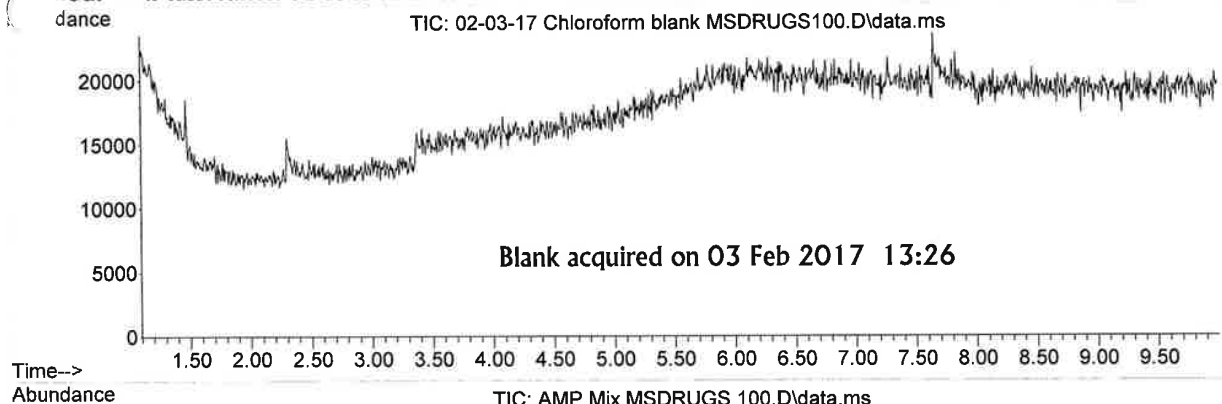
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Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

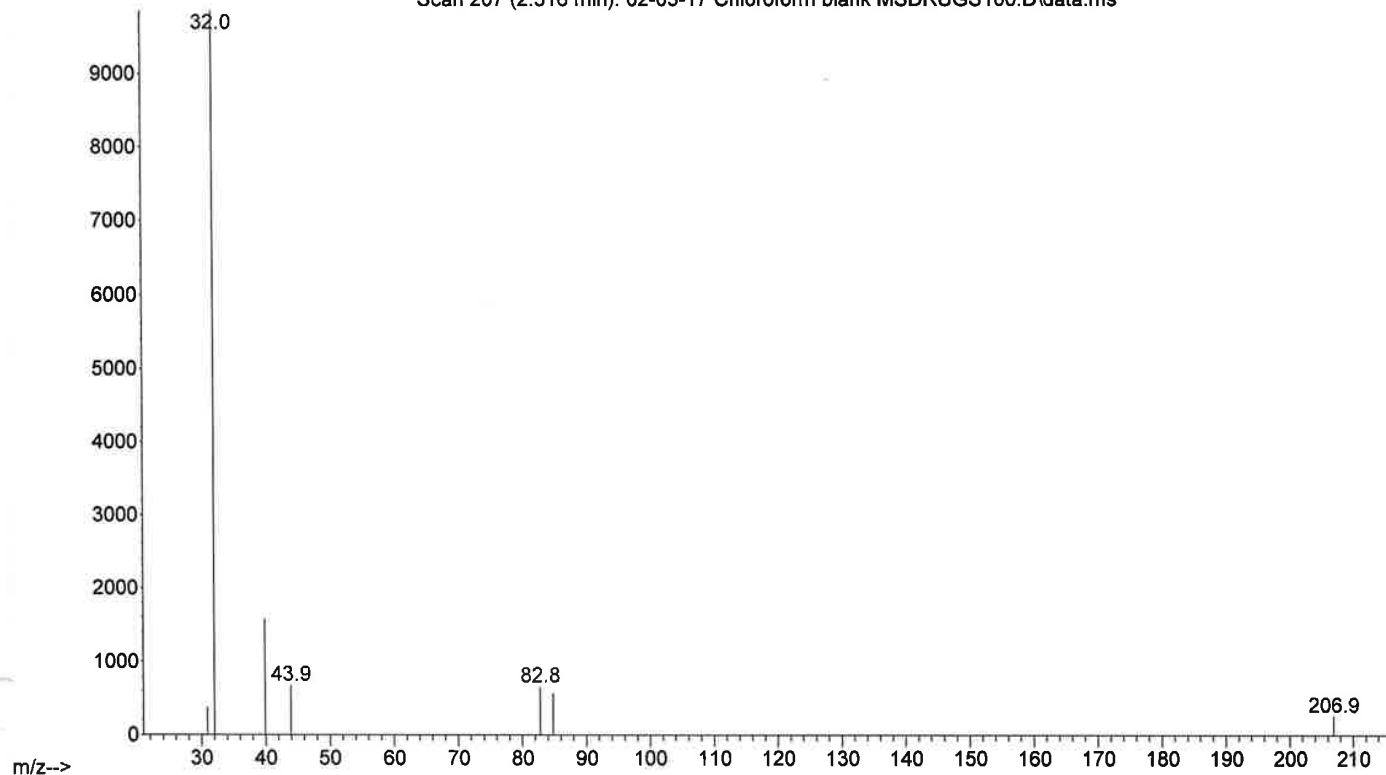
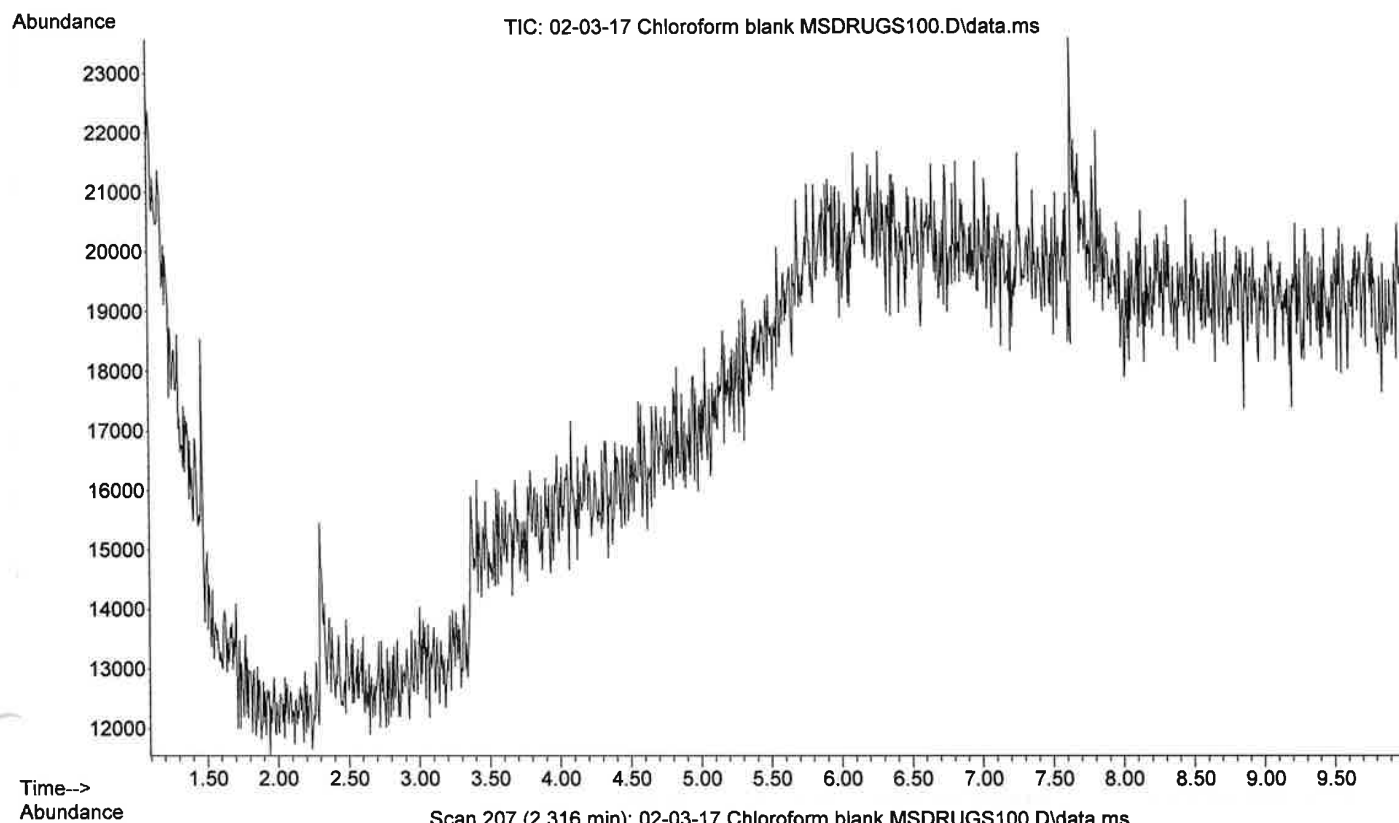
Acquired by Lela Jackson on 03 Feb 2017 13:42 in vial #

Information: Amphetamine, Phentermine, Methamphetamine Misc.: Chloroform 100-280c @70c/min for 10 min

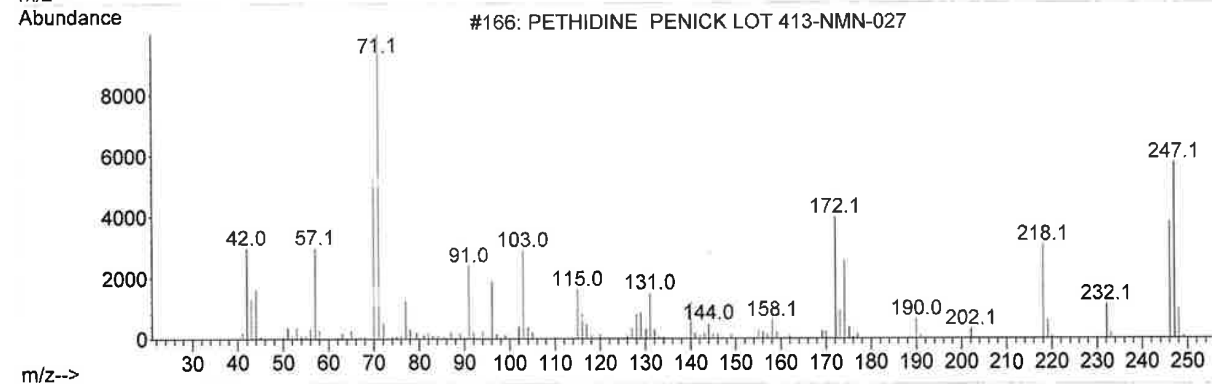
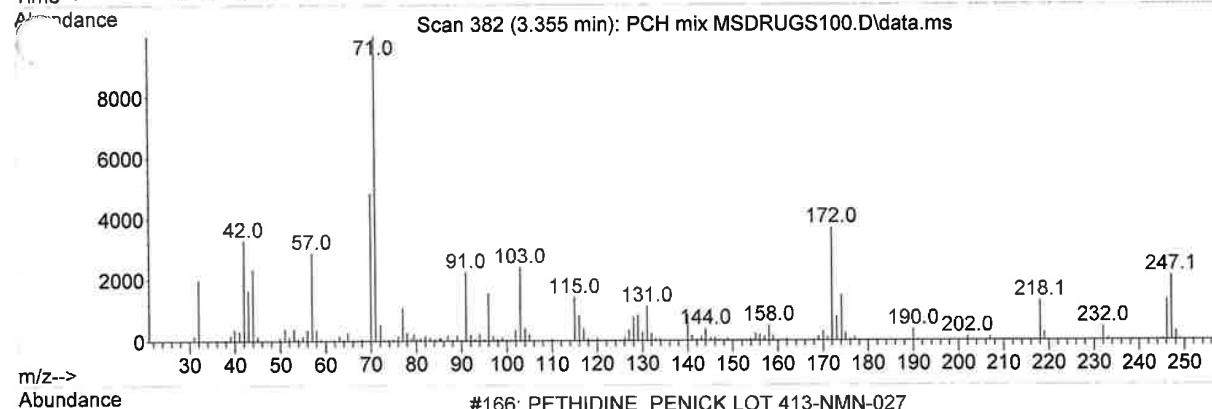
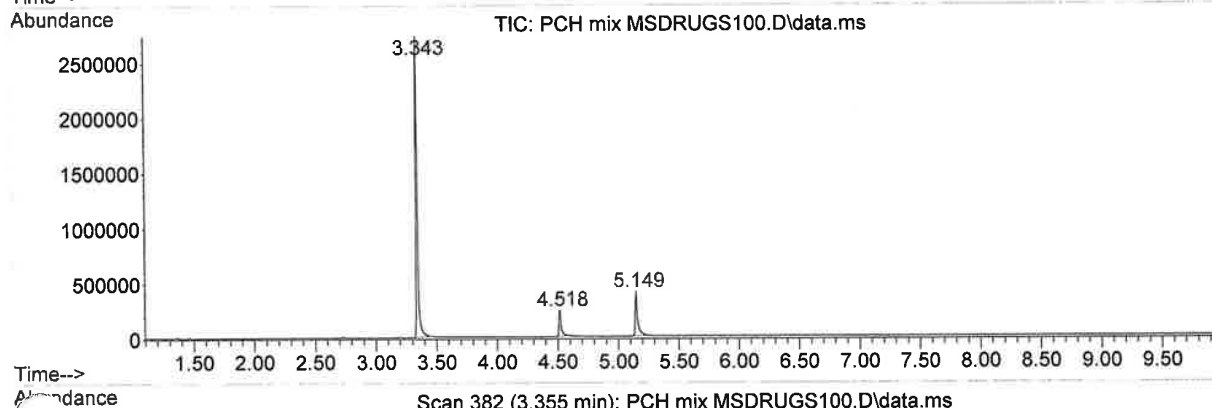
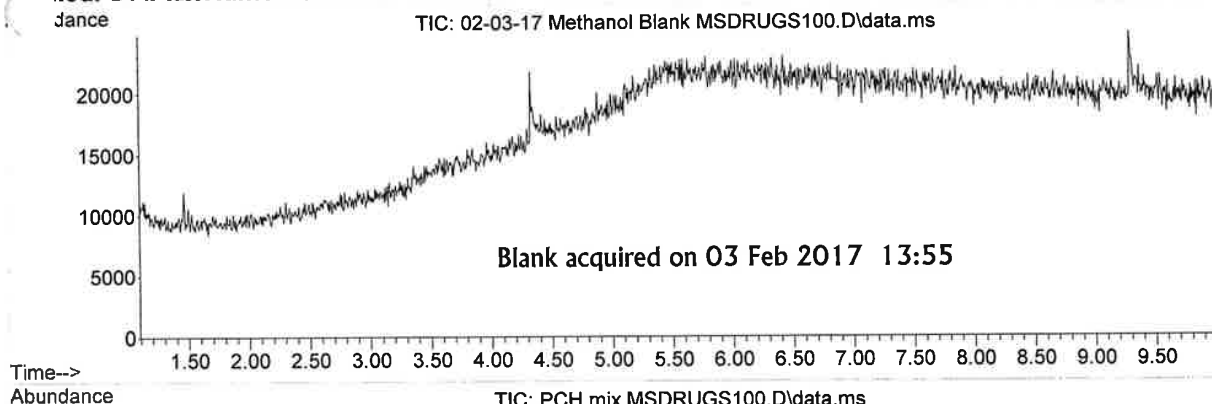
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M



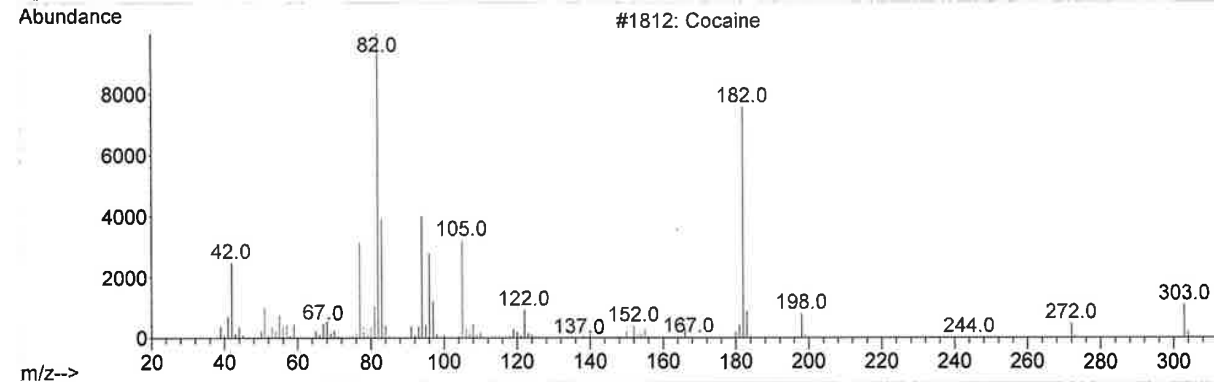
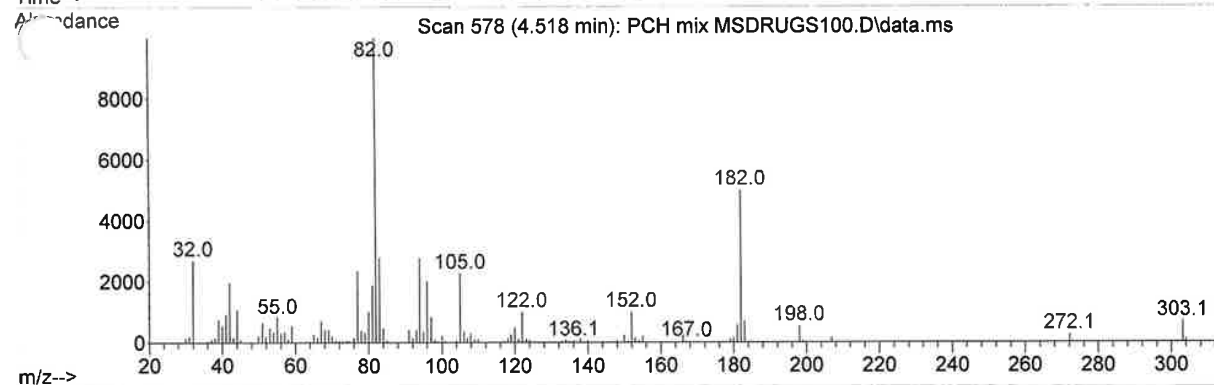
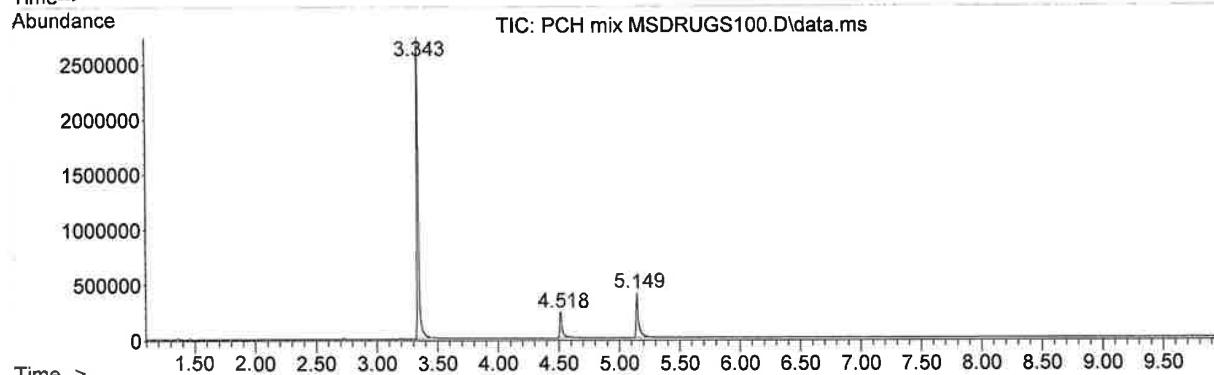
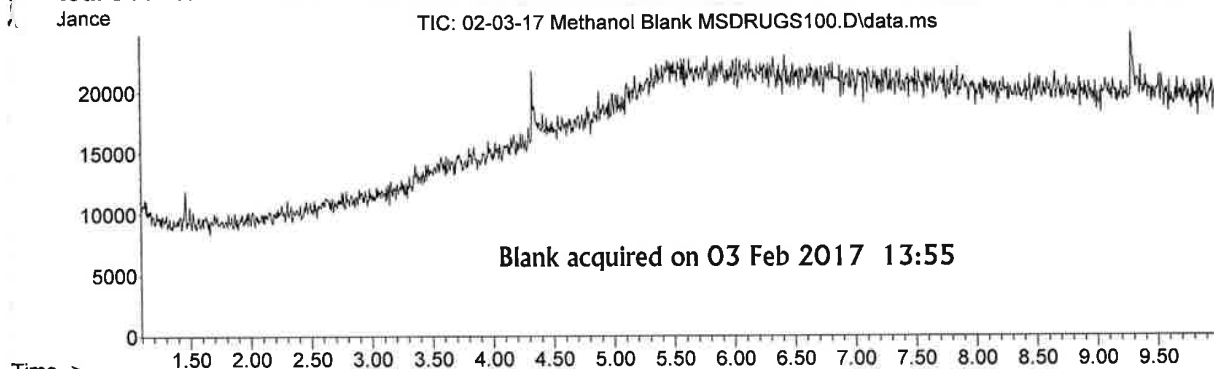
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-03-1
... 7 Chloroform blank MSDRUGS100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Feb 2017 13:26 using AcqMethod MSDRUGS100.M
File Name:
Info : Chloroform 100-280c @70c/min for 10 min



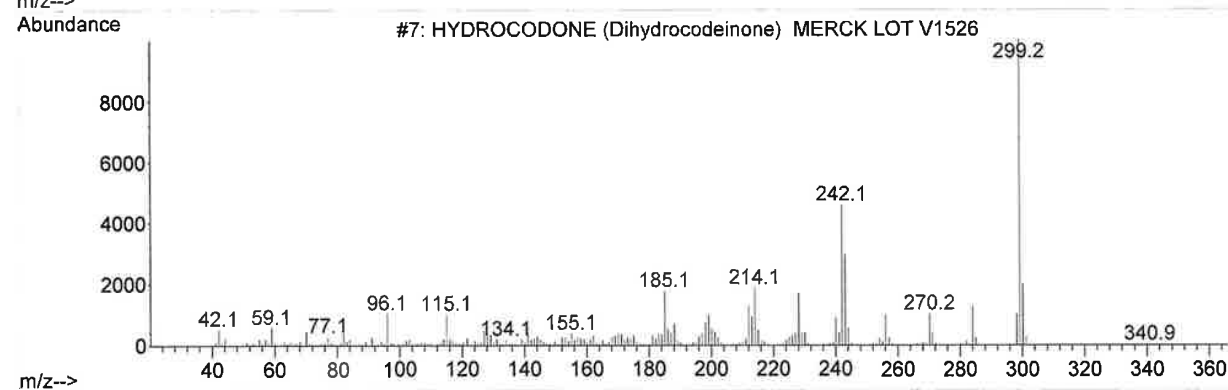
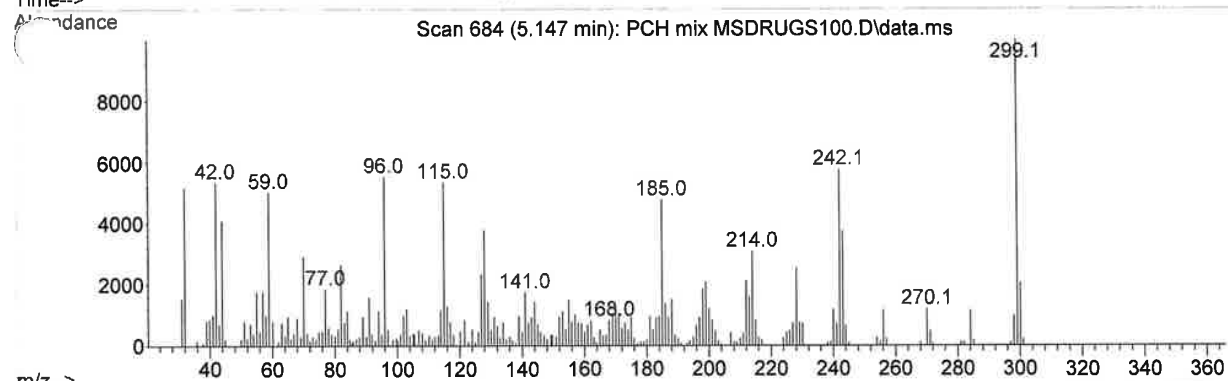
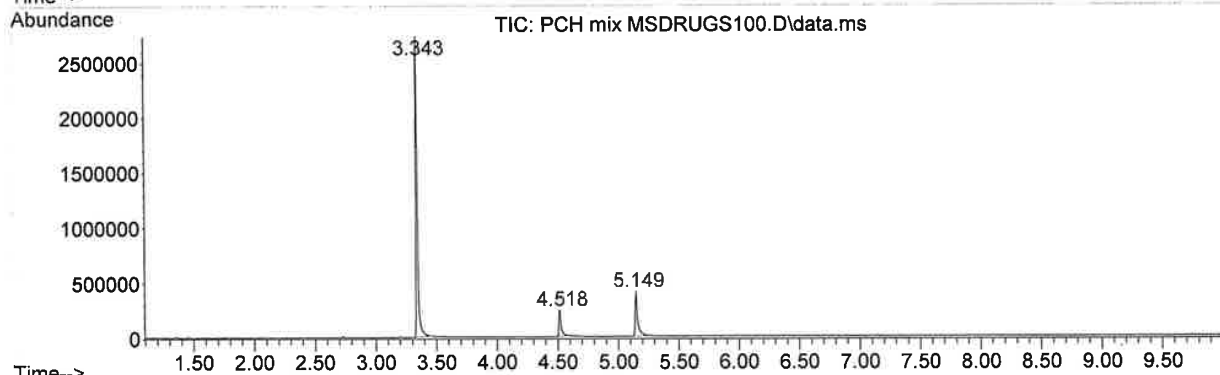
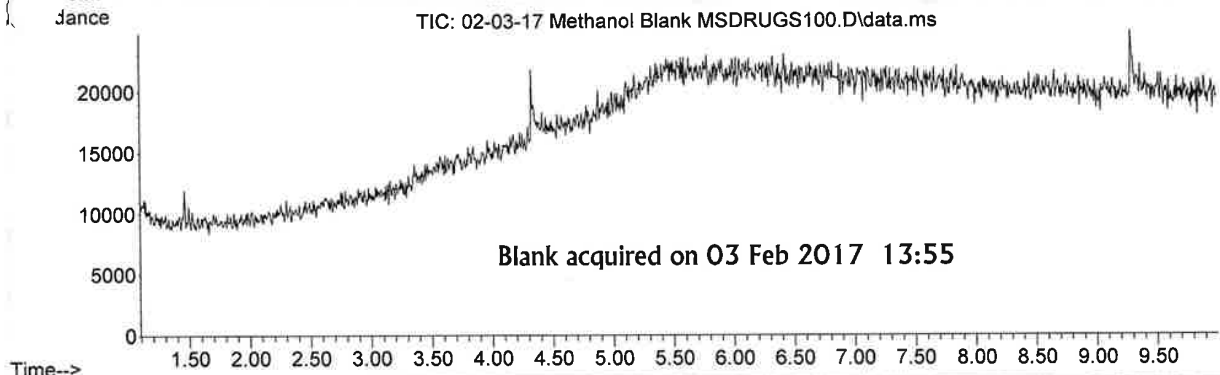
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS100.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 14:19 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M



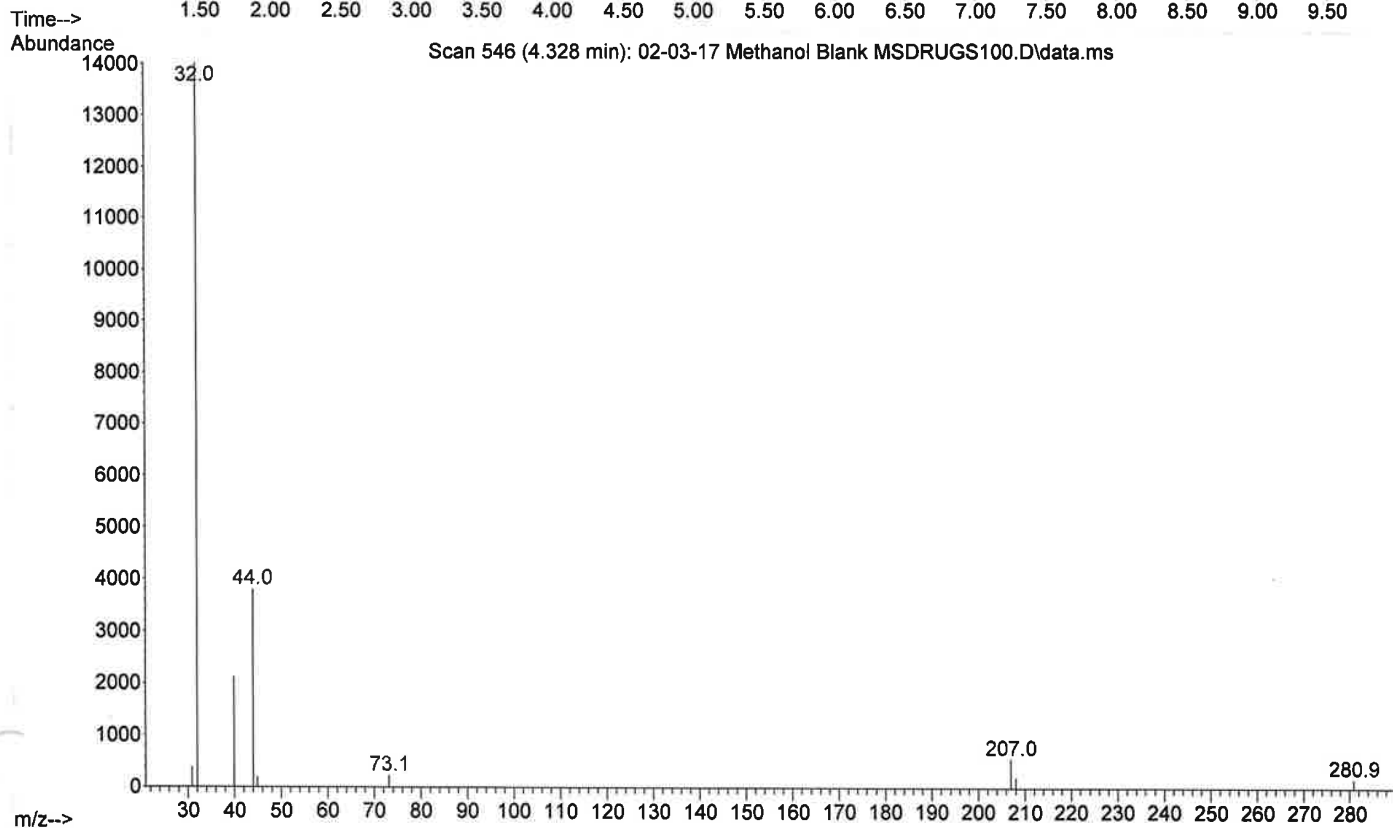
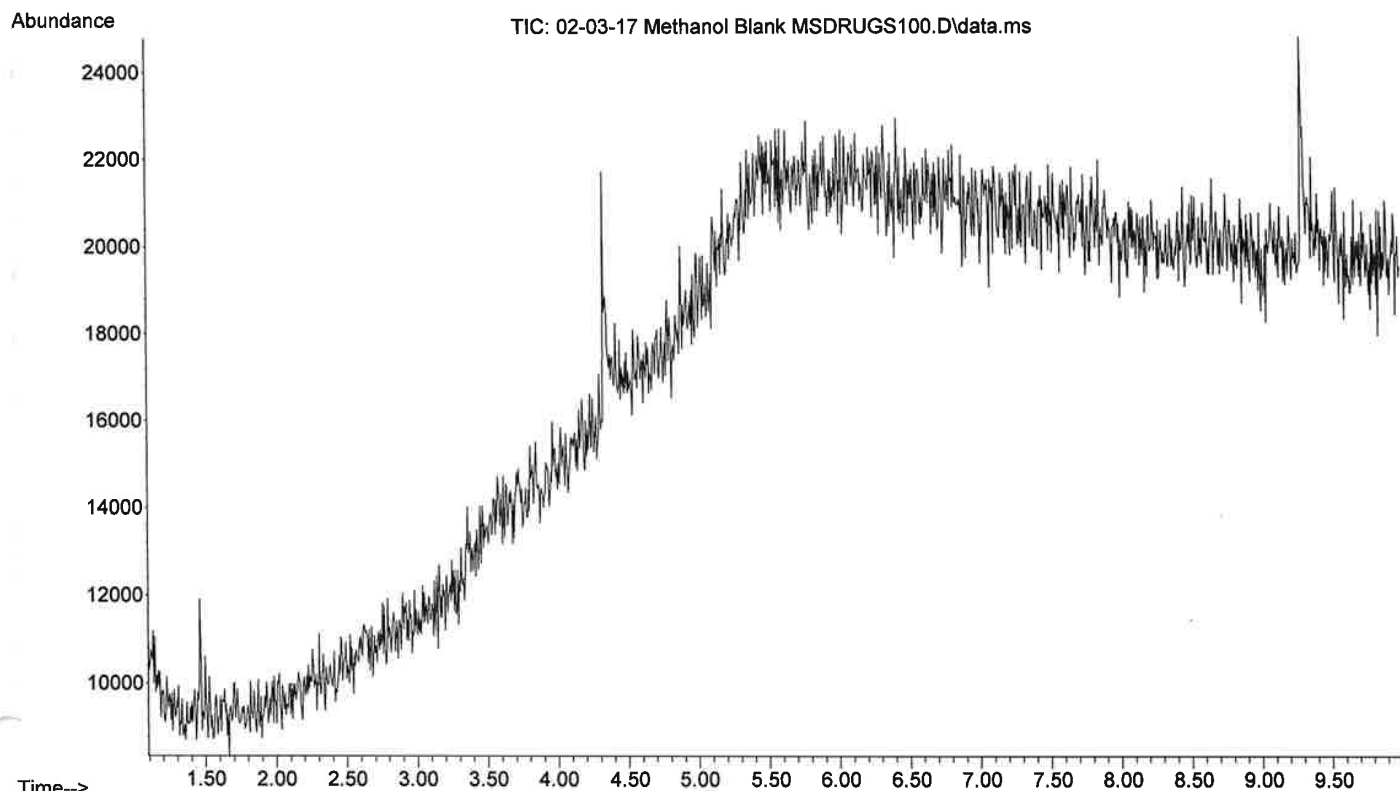
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS100.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 14:19 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS100.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 14:19 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS100.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-03-1
... 7 Methanol Blank MSDRUGS100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Feb 2017 13:55 using AcqMethod MSDRUGS100.M
Sample Name:
Info : Methanol 100-280c @70c/min for 10 min



Tennessee Bureau of Investigation: Nashville Crime Laboratory

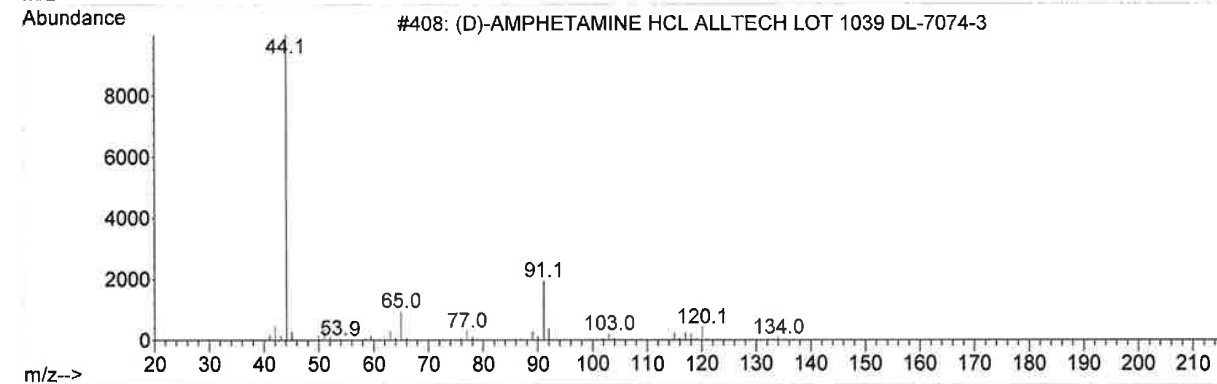
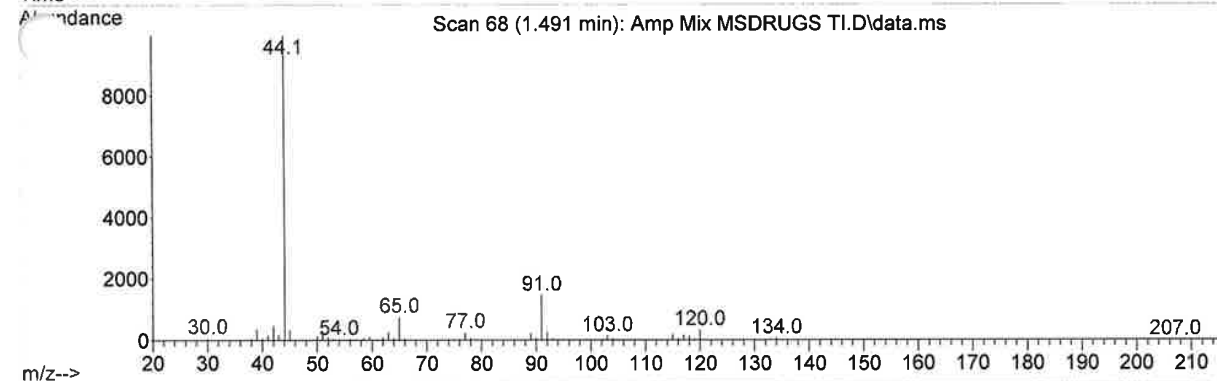
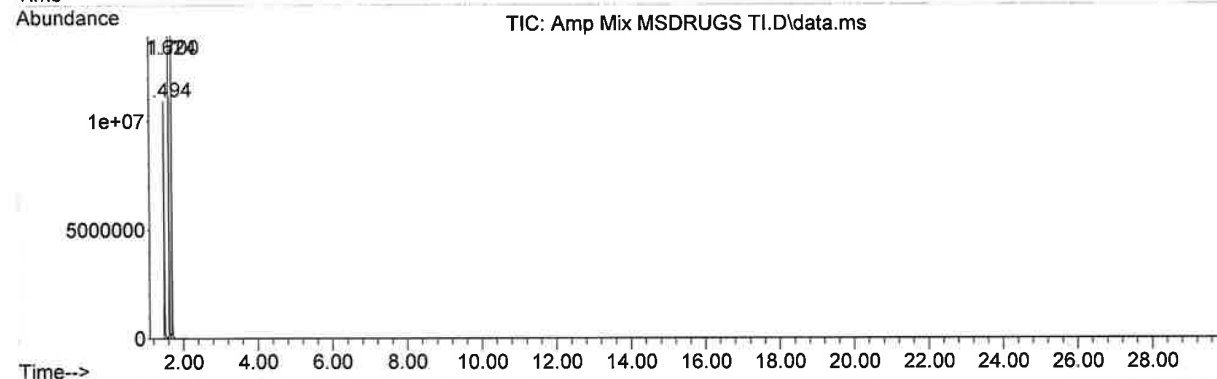
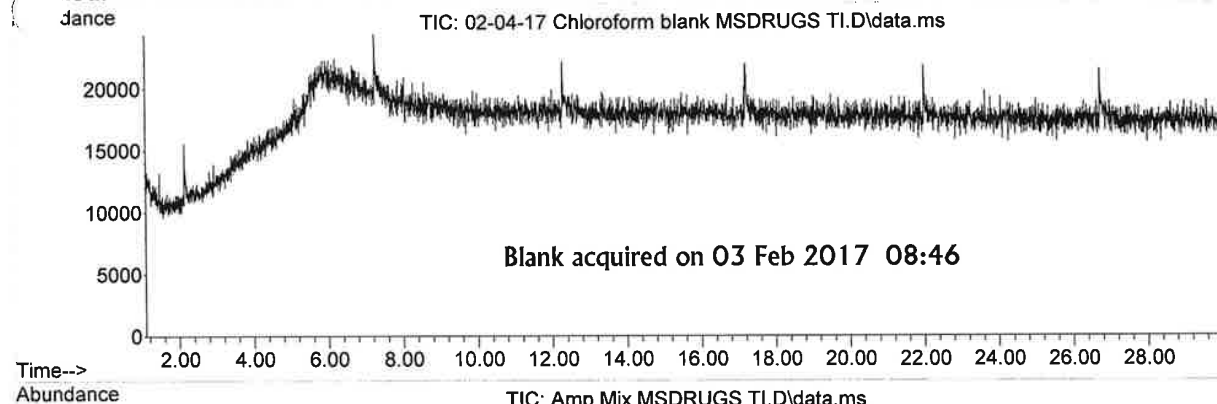
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\Amp Mix MSDRUGS TI.D

Instrument: Kenny Tuned on 30 Jan 2017 10:14 am

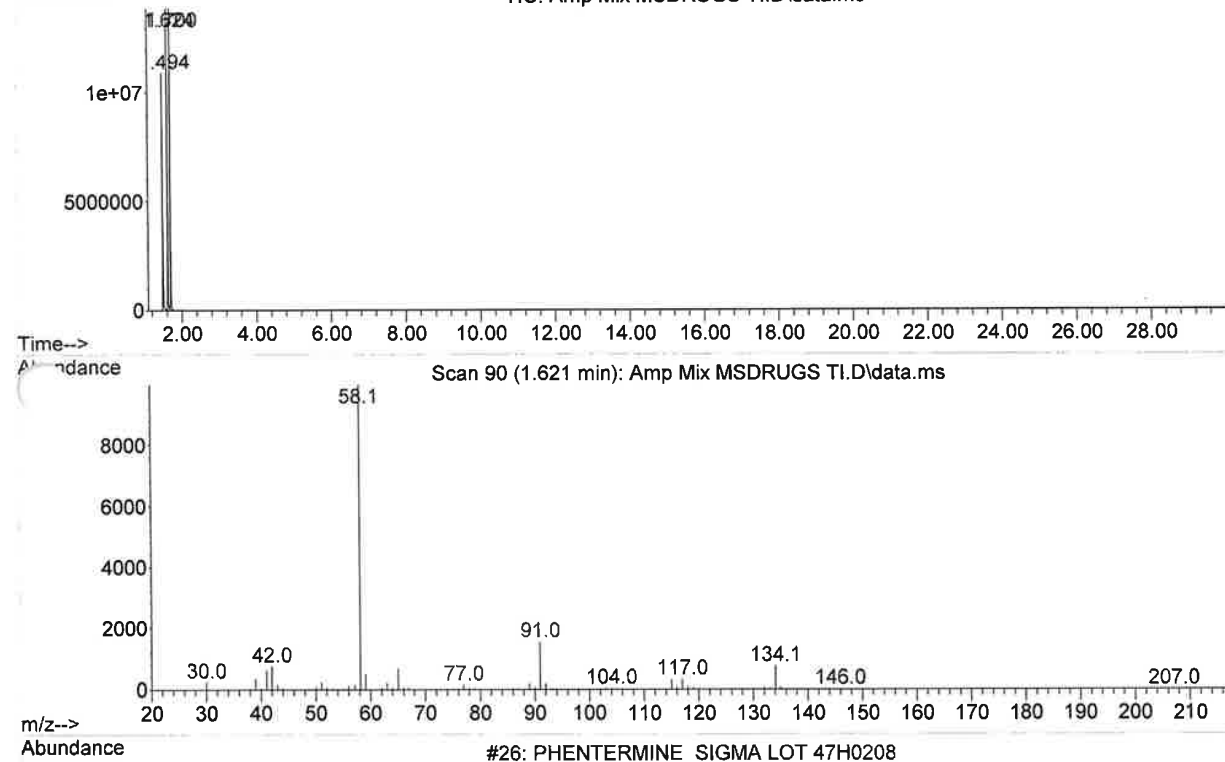
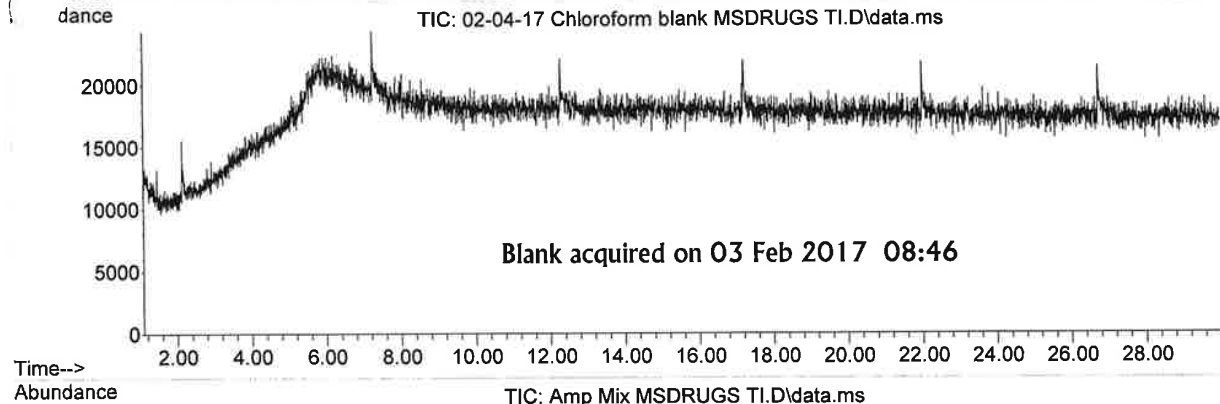
Acquired by Lela Jackson on 03 Feb 2017 09:54 in vial #

Information: Misc.: Chloroform 100-280c @70c/min for 30 min

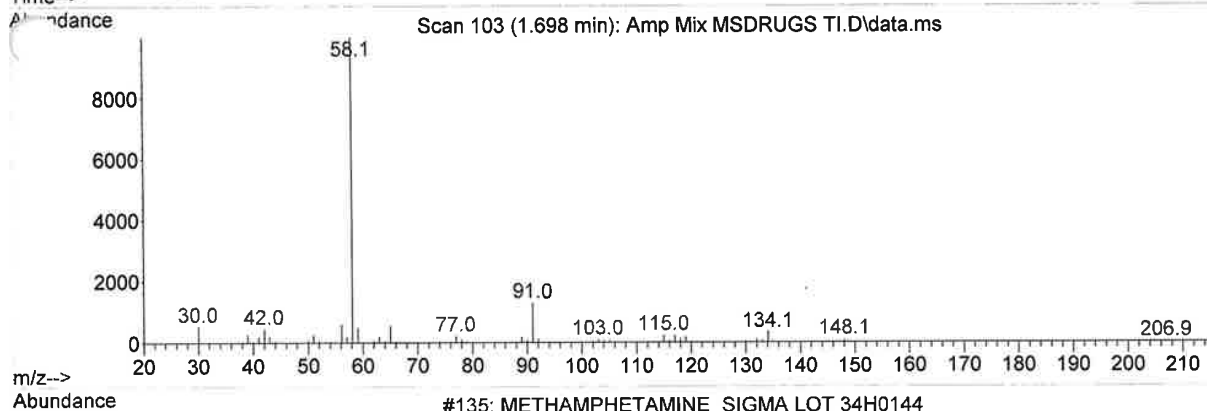
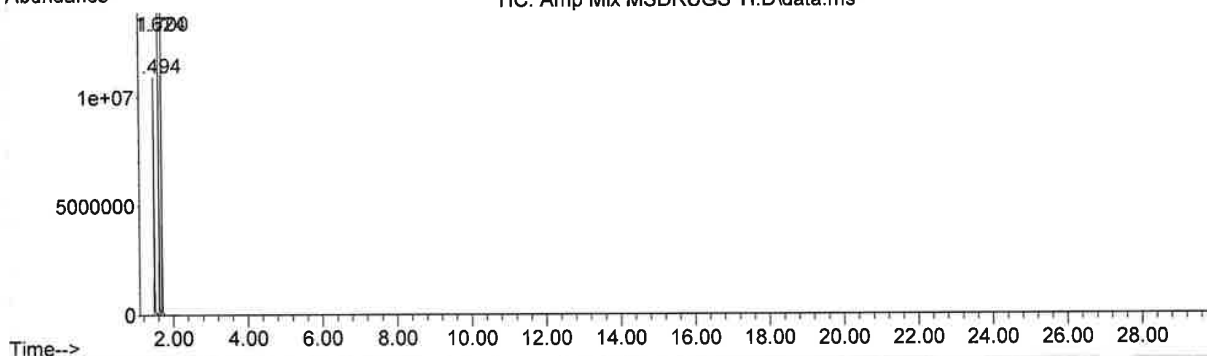
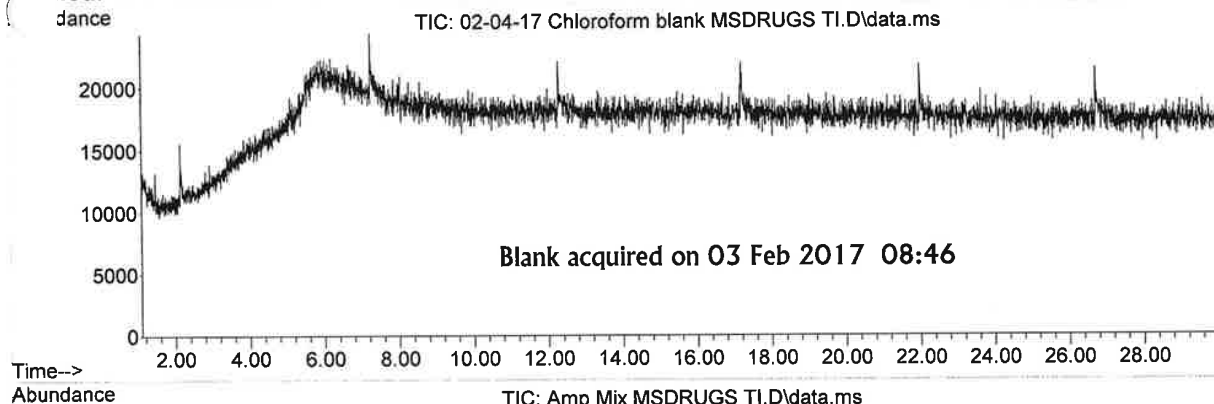
Method: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M



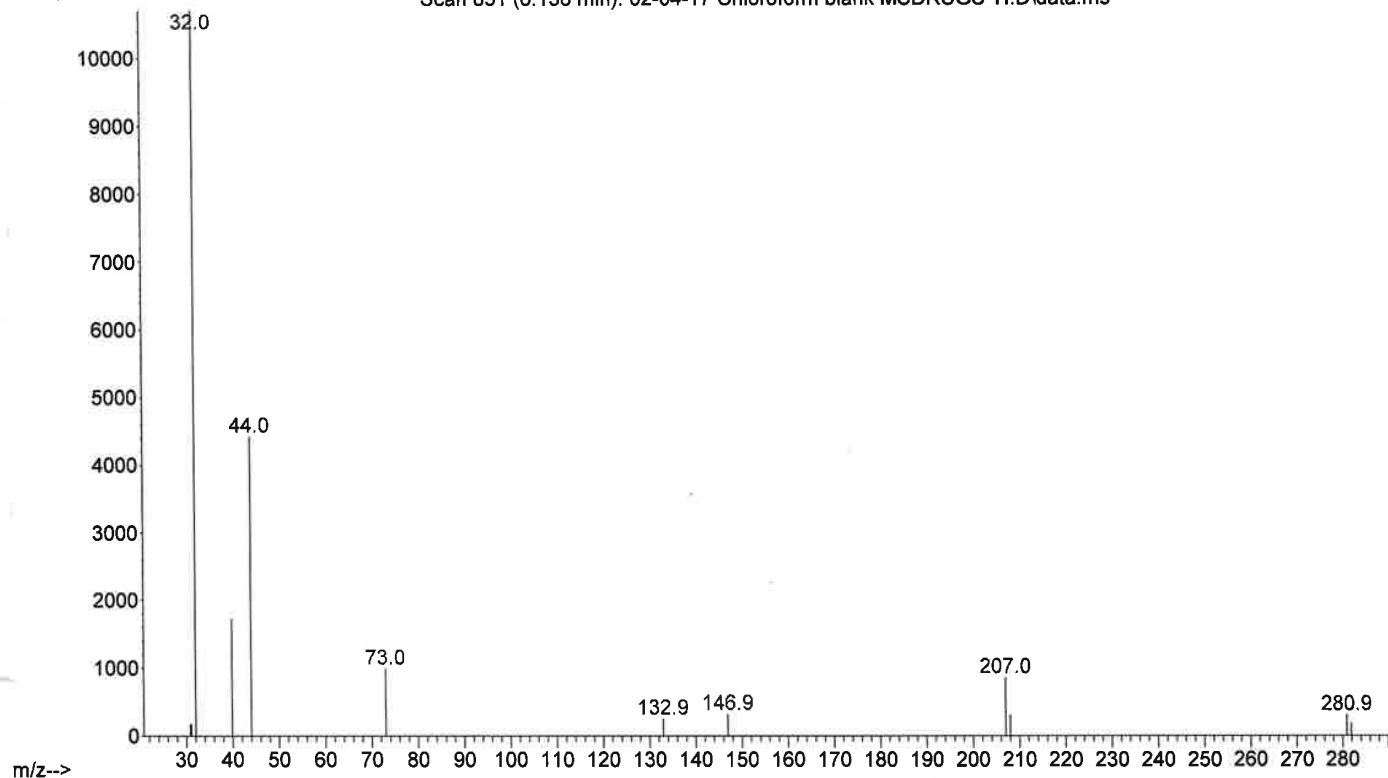
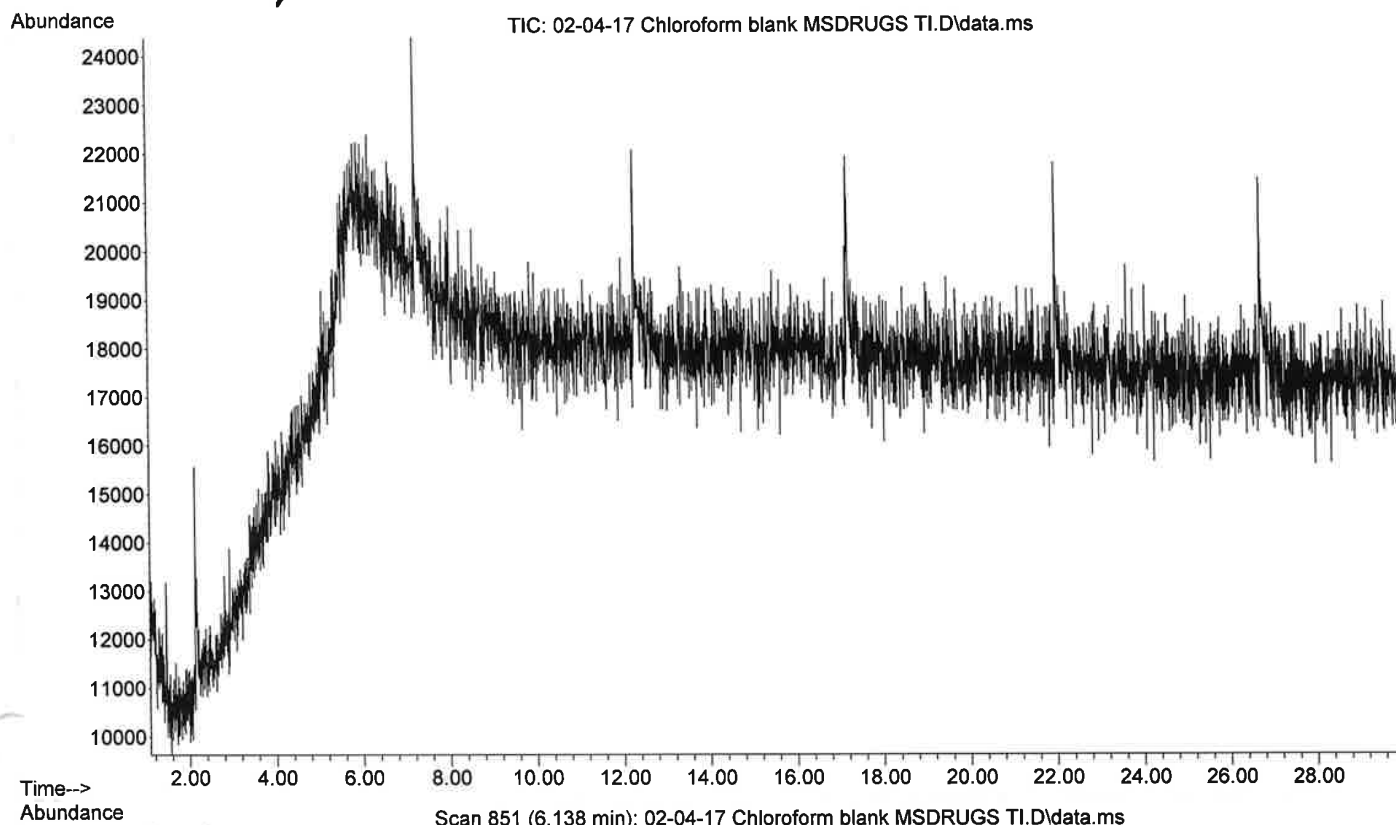
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\Amp Mix MSDRUGS TI.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 09:54 in vial #
Information: Misc.: Chloroform 100-280c @70c/min for 30 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M



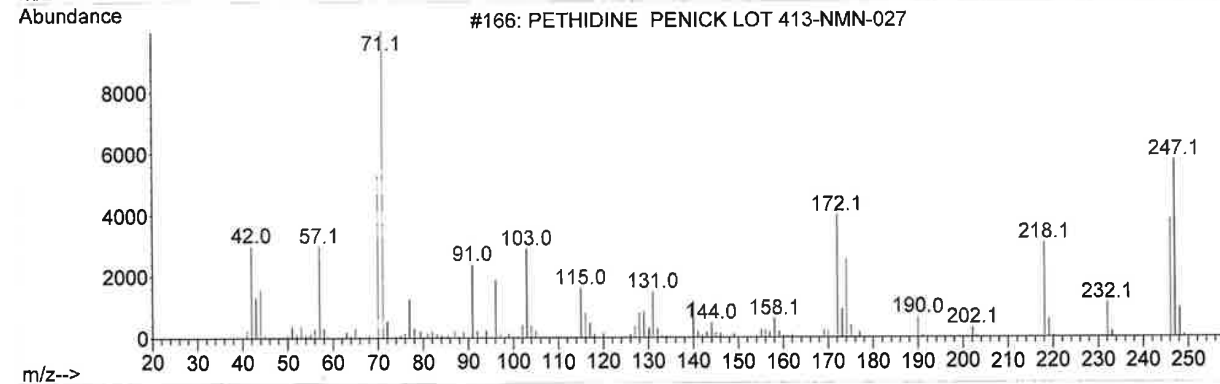
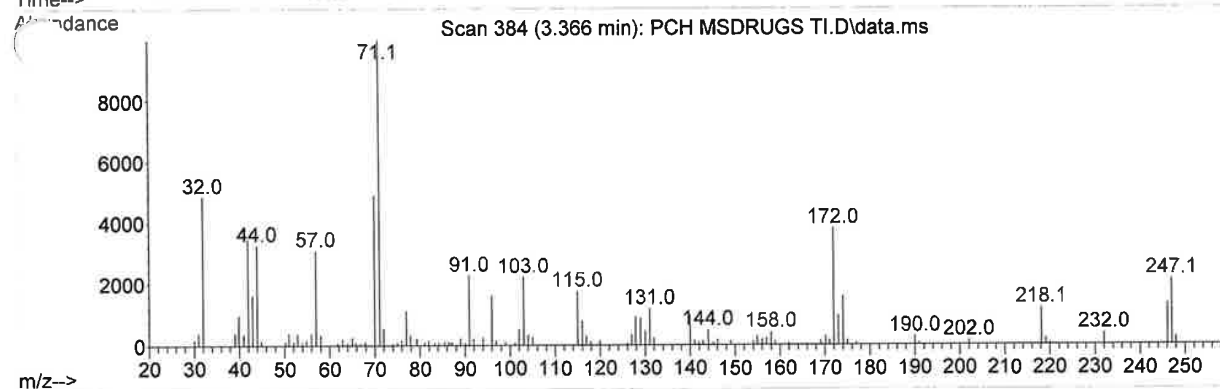
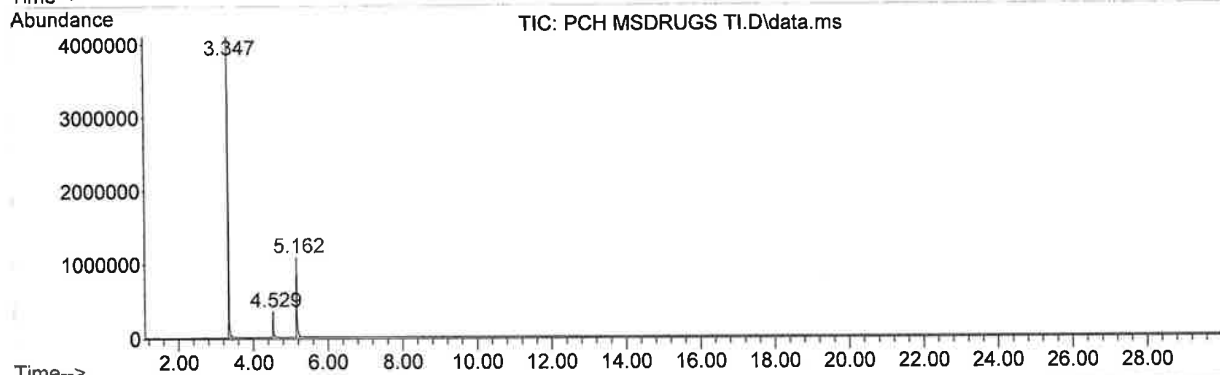
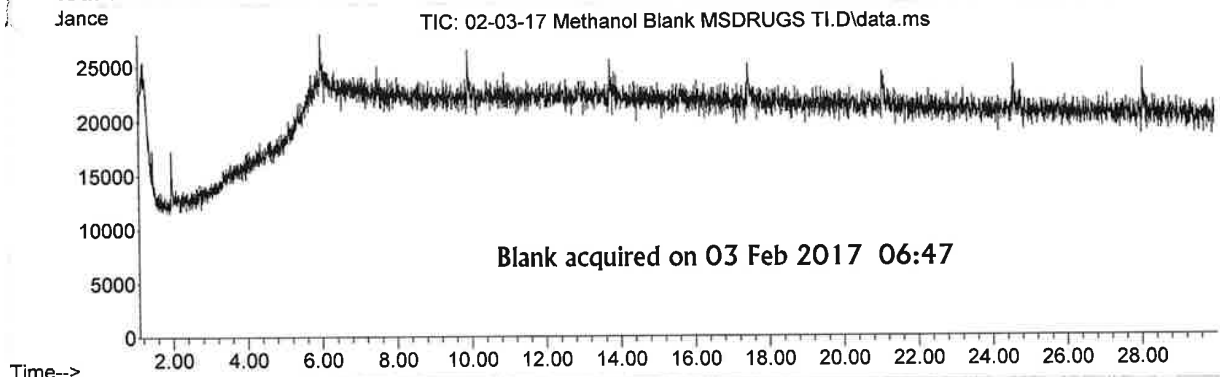
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\Amp Mix MSDRUGS TI.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 09:54 in vial #
Information: Misc.: Chloroform 100-280c @70c/min for 30 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M



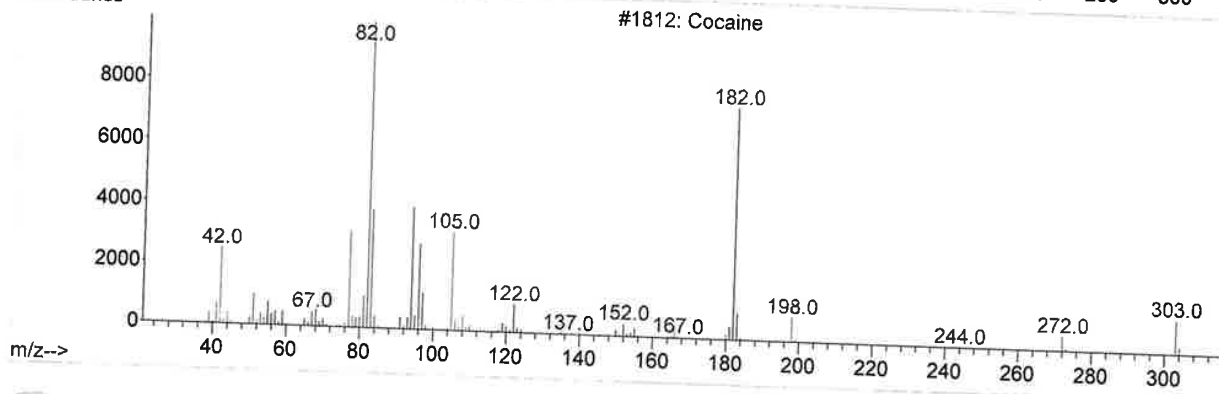
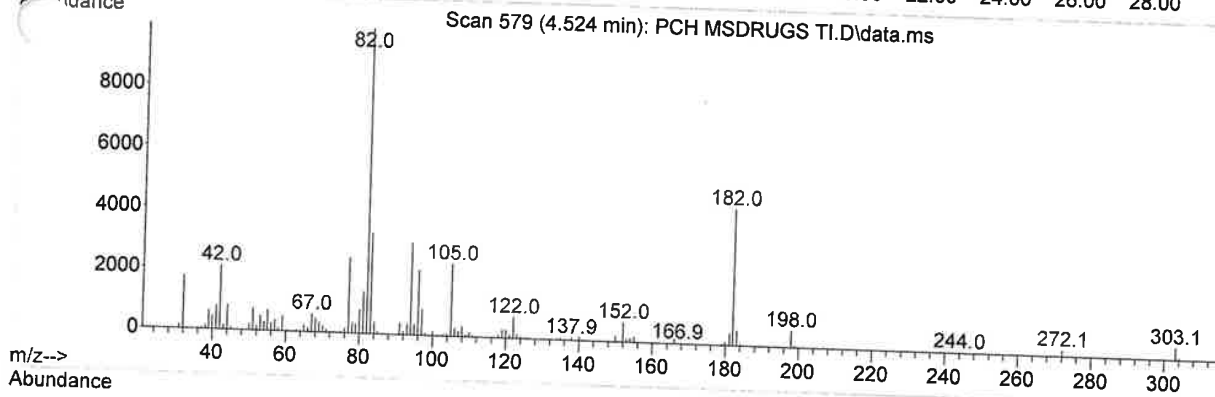
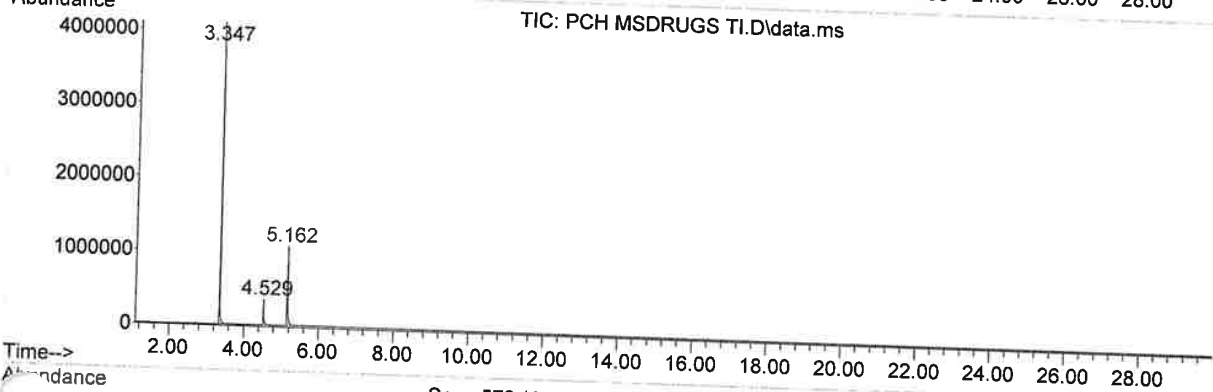
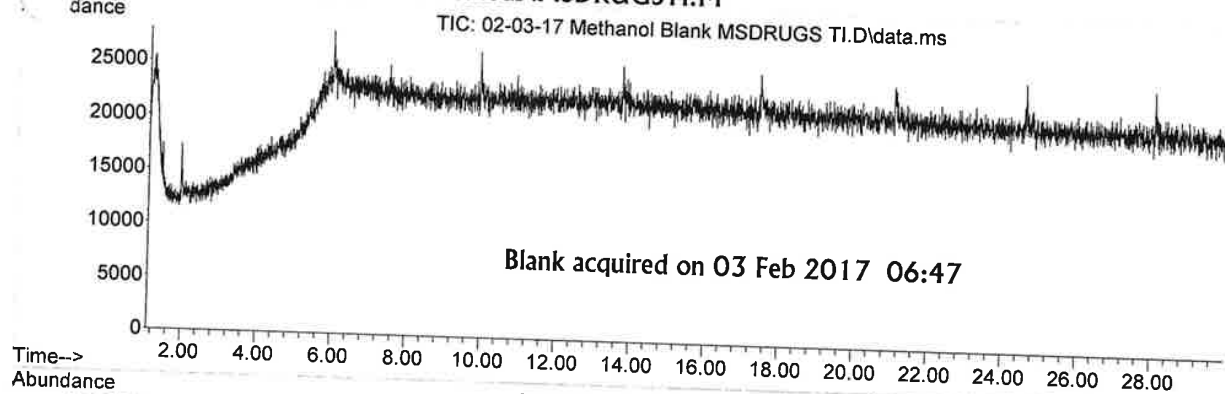
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-04-1
... 7 Chloroform blank MSDRUGS TI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Feb 2017 08:46 using AcqMethod MSDRUGSTI.M
Sample Name:
Method Info : Chloroform 100-280c @70c/min for 30 min



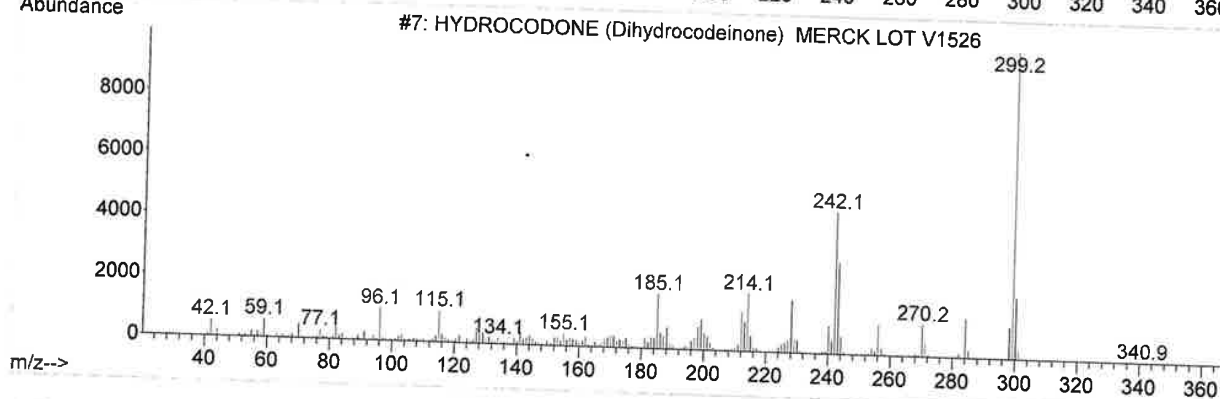
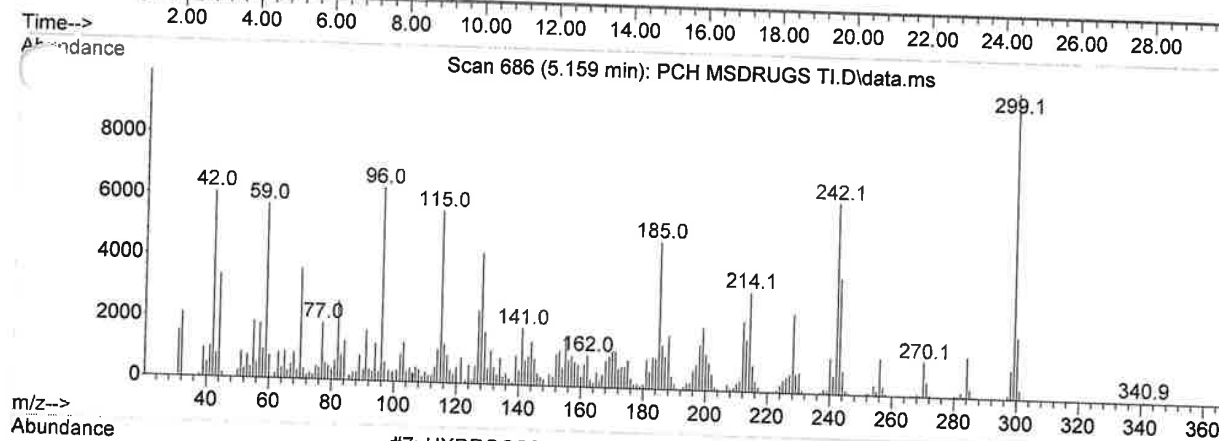
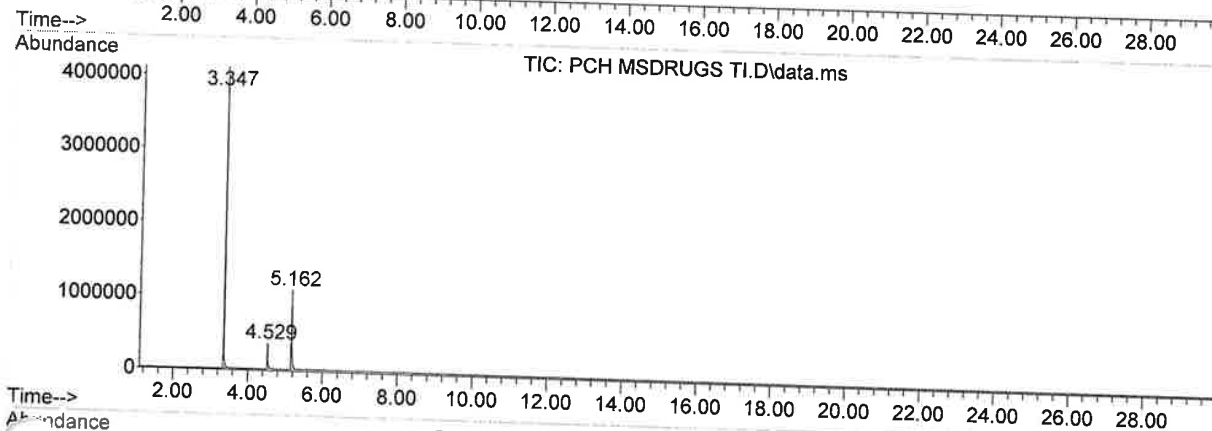
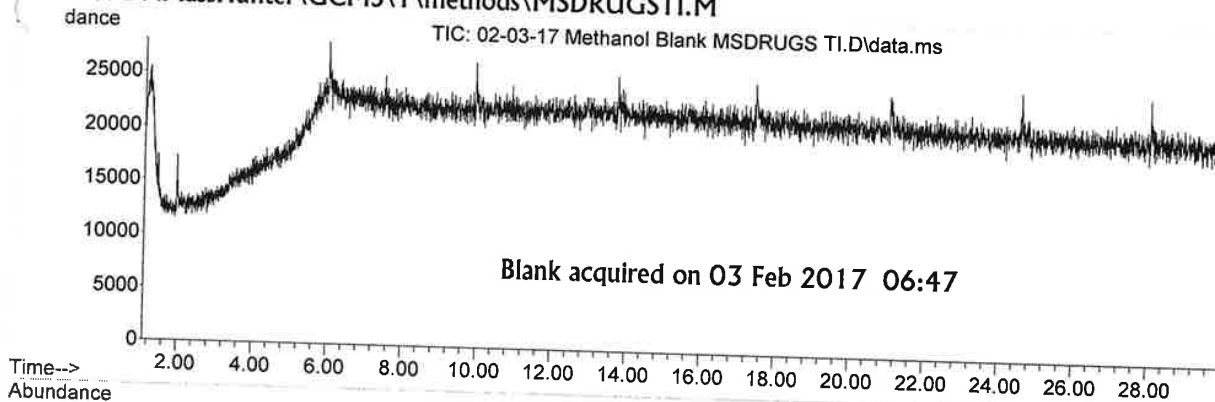
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH MS DRUGS TI.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 07:39 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 30 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M



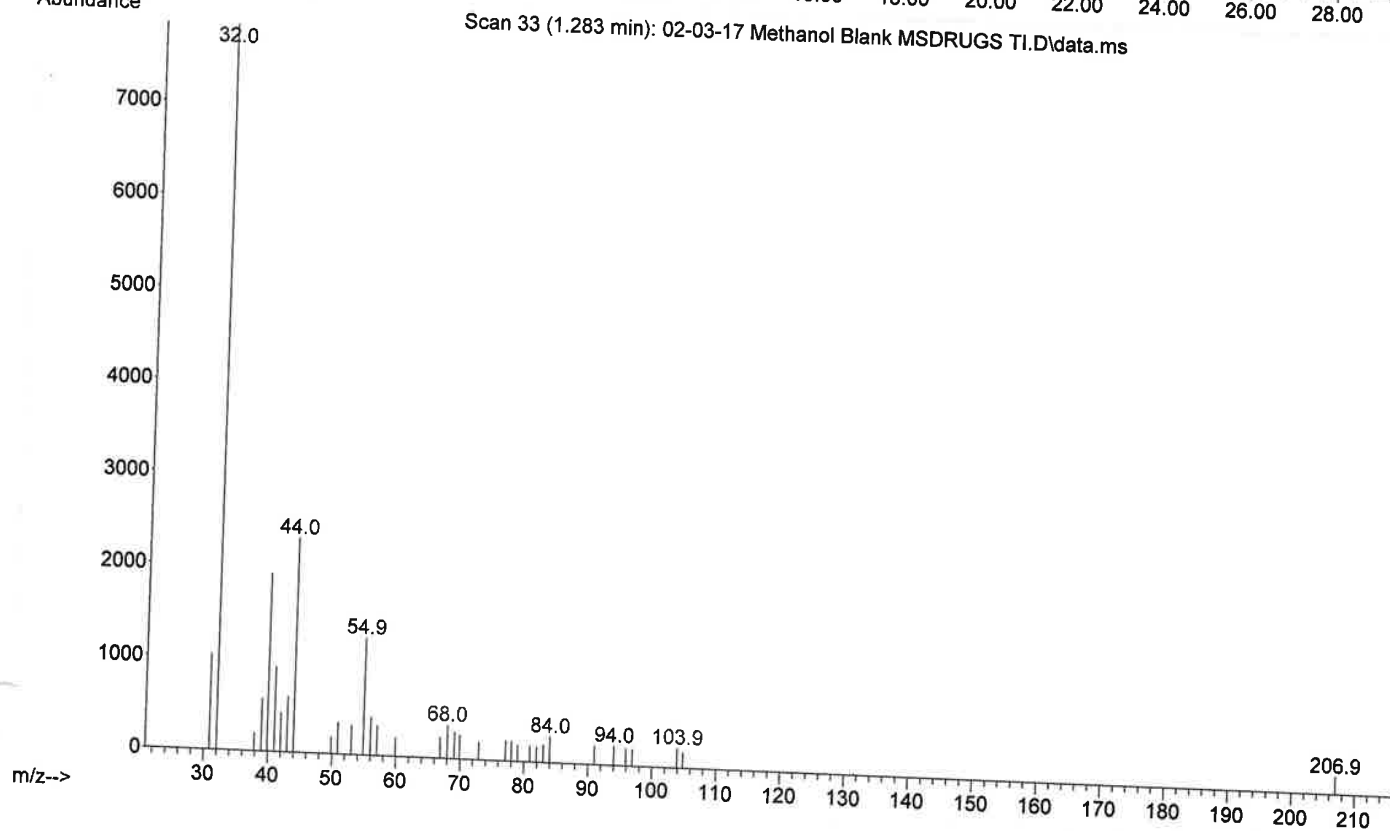
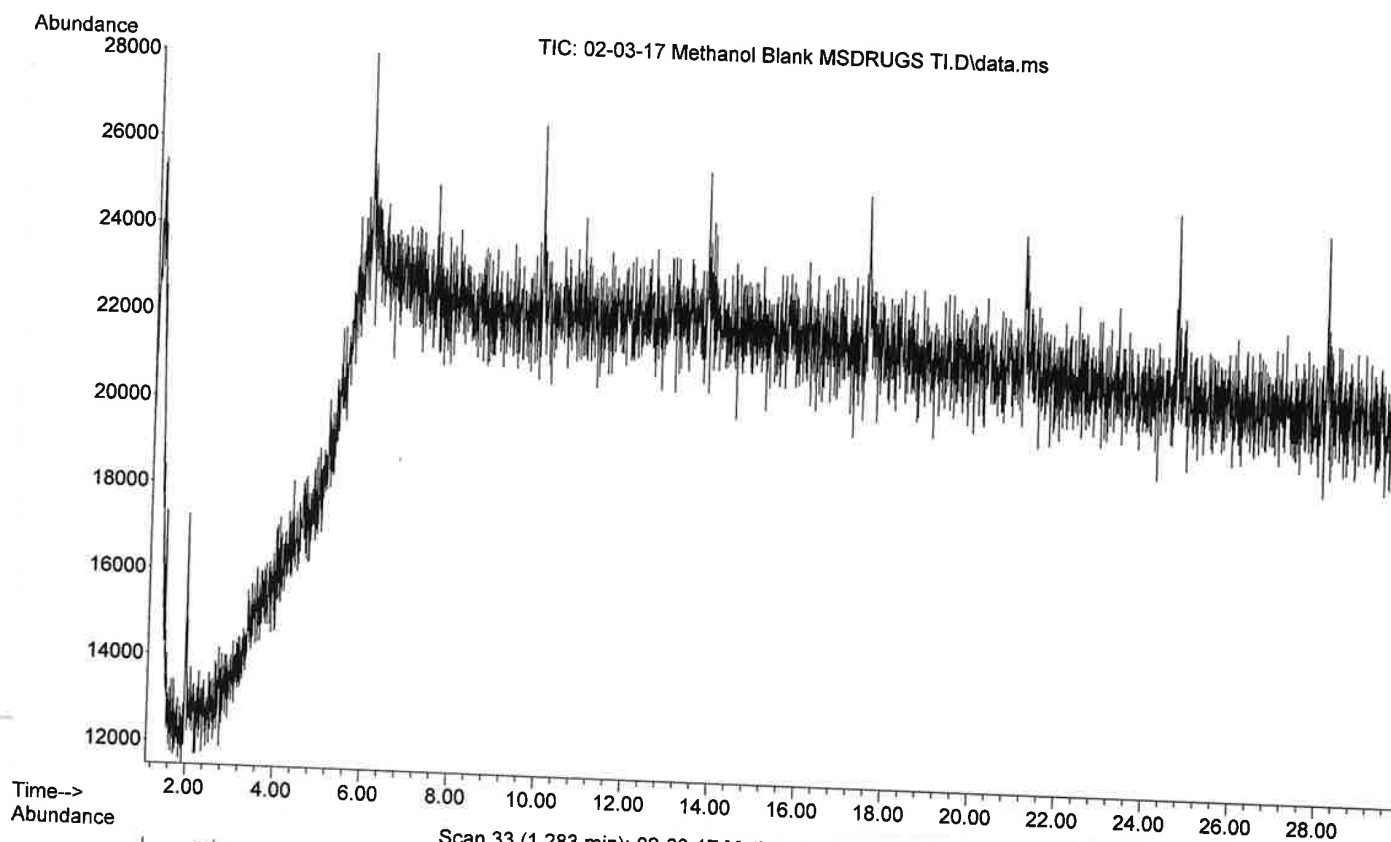
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH MS DRUGS TI.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 07:39 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 30 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M



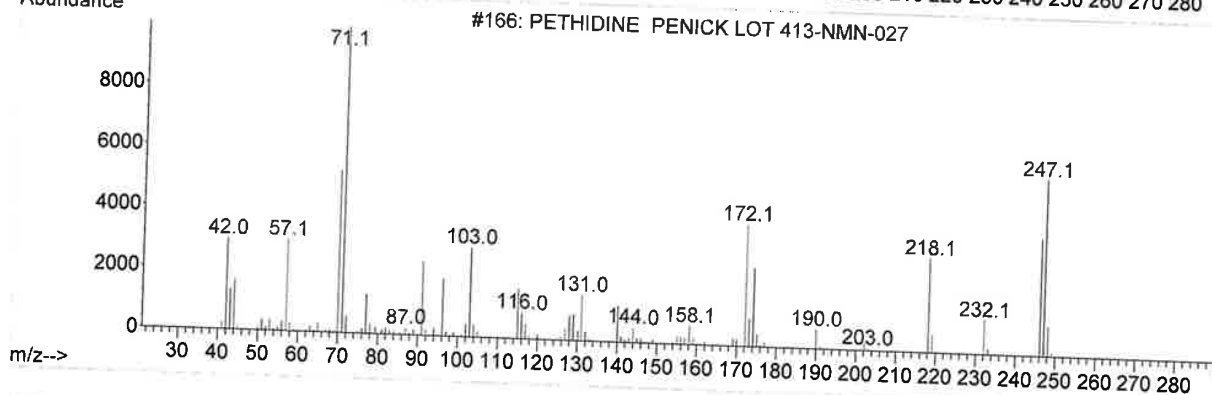
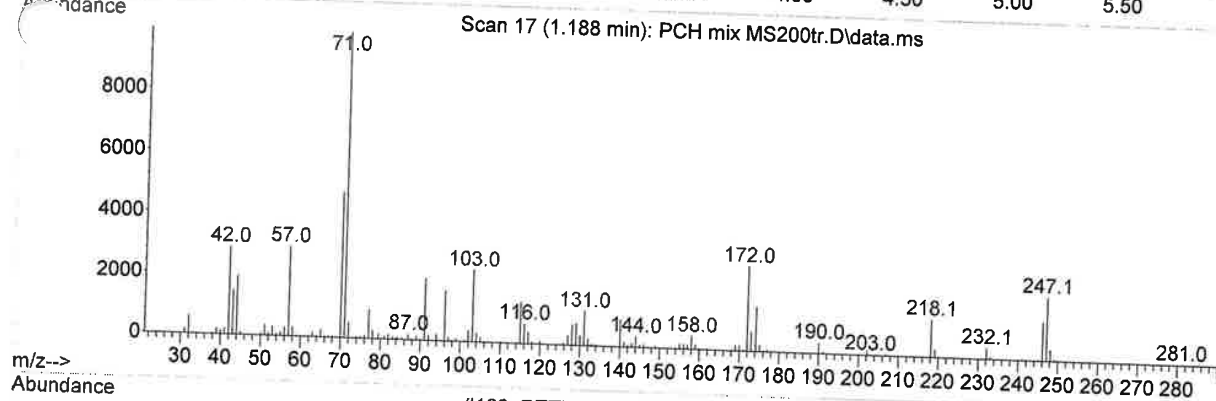
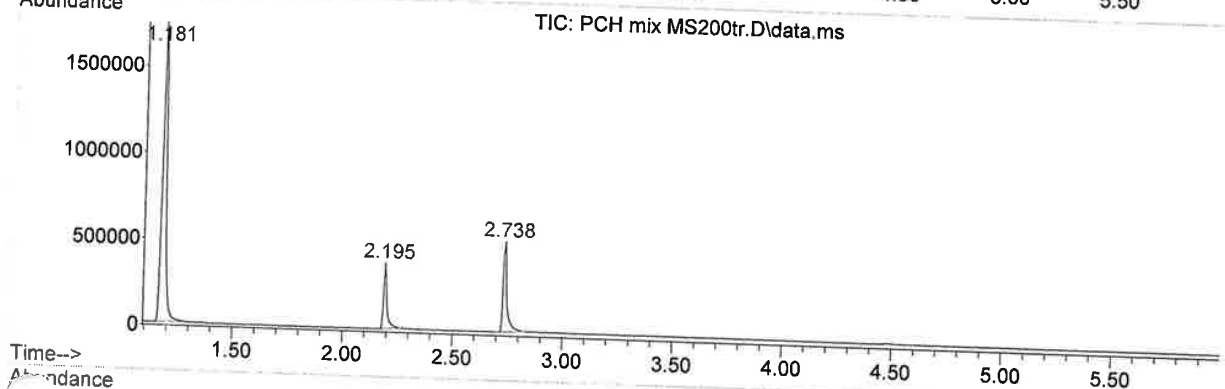
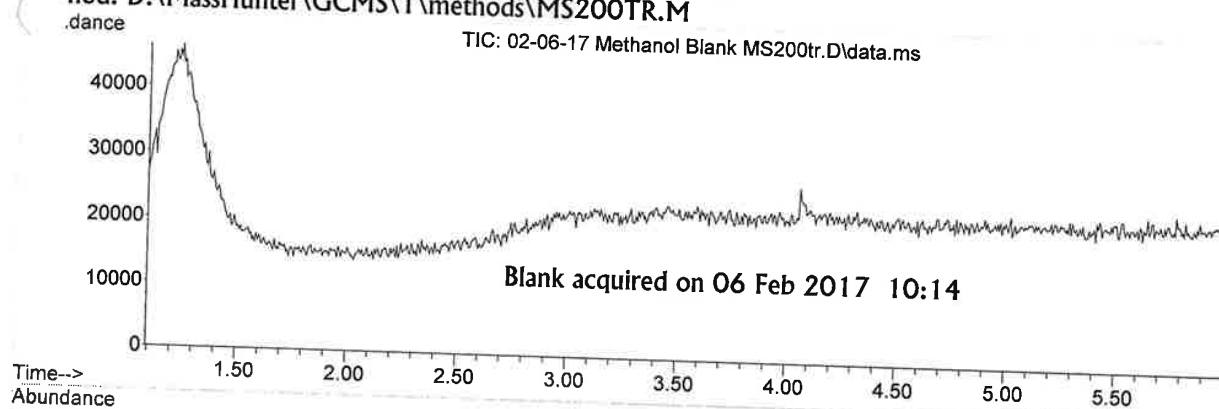
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH MS DRUGS TI.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 07:39 in vial #
Information: Misc.: Methanol 100-280c @70c/min for 30 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGSTI.M



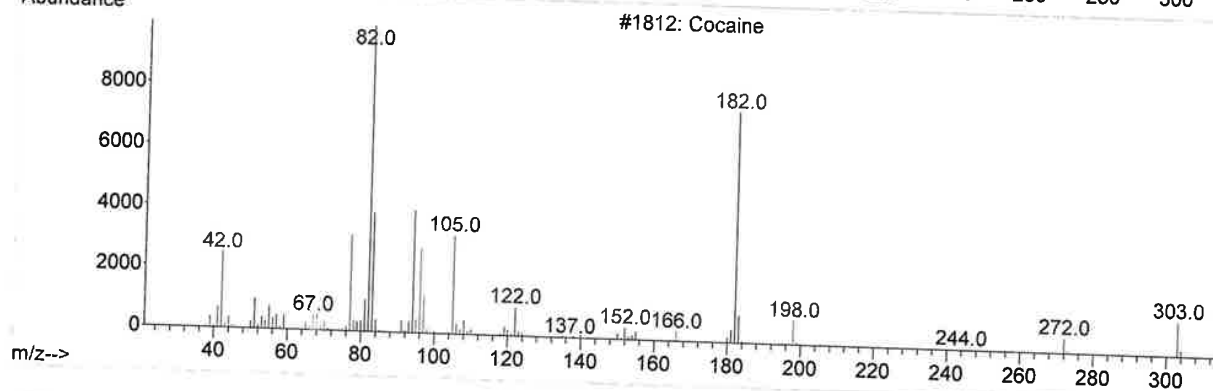
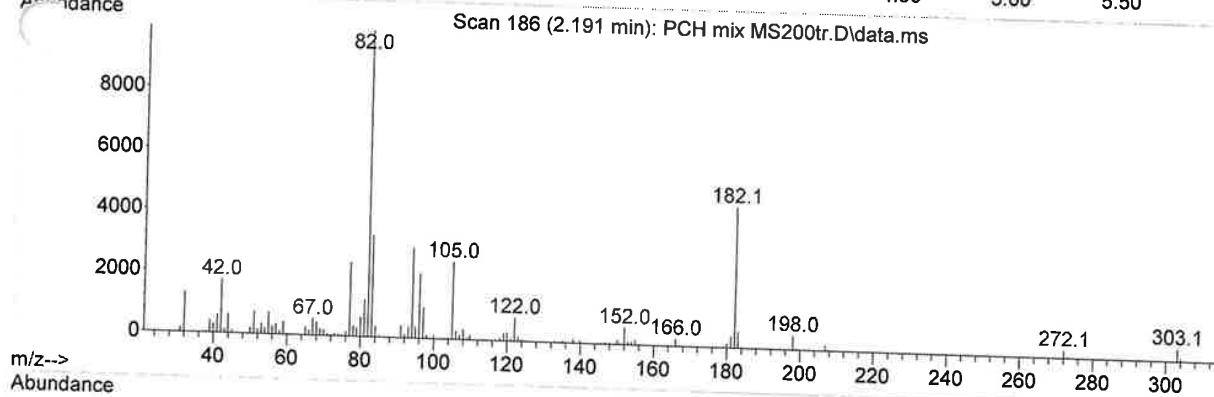
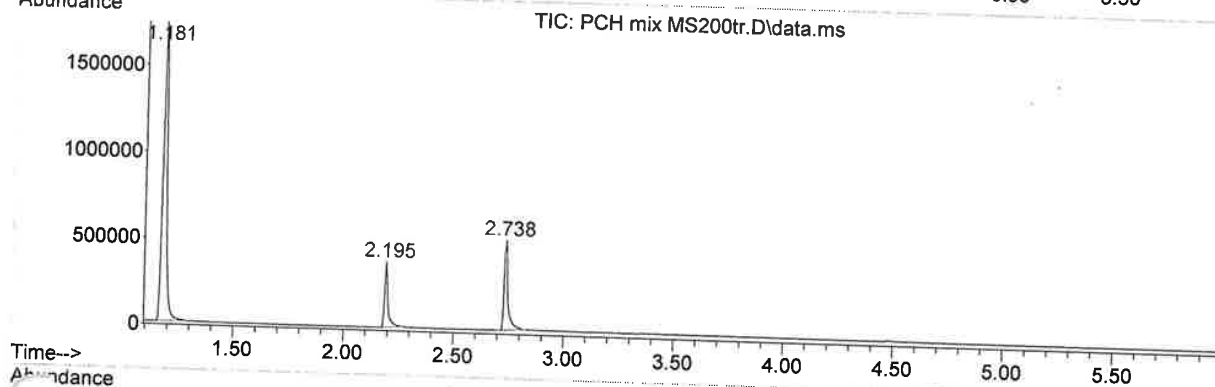
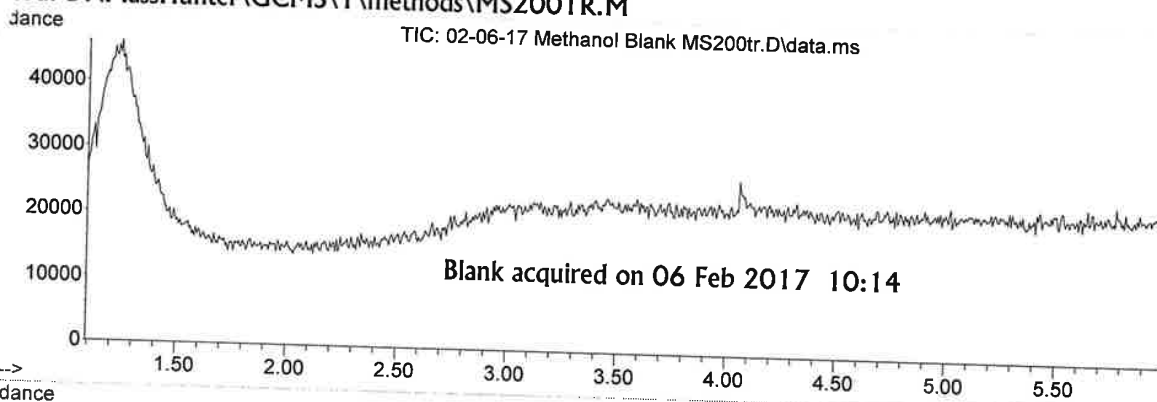
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-03-1
... 7 Methanol Blank MSDRUGS TI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Feb 2017 06:47 using AcqMethod MSDRUGSTI.M
File Name:
Info : Methanol 100-280c @70c/min for 30 min



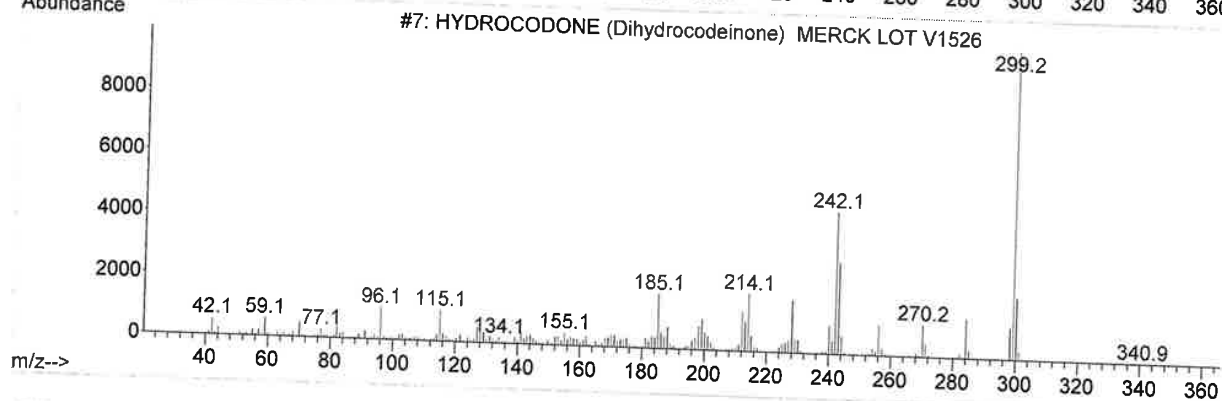
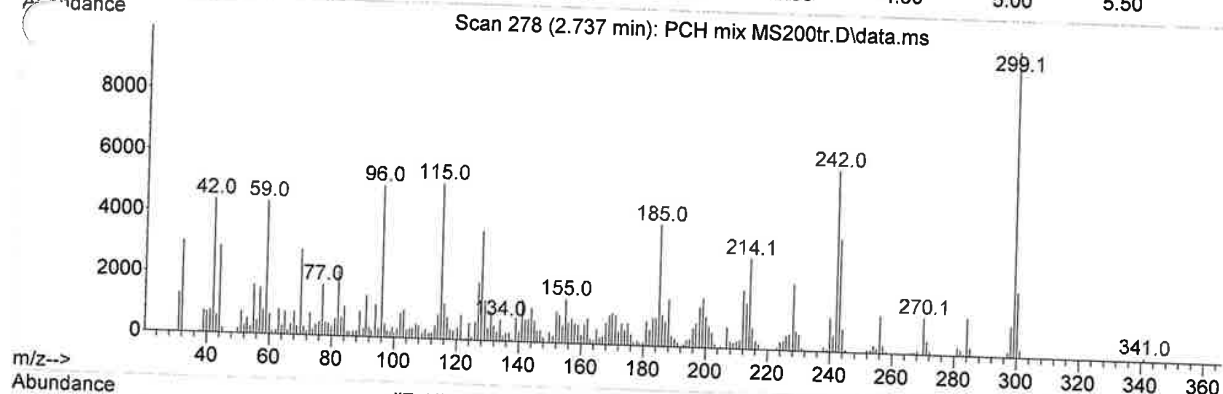
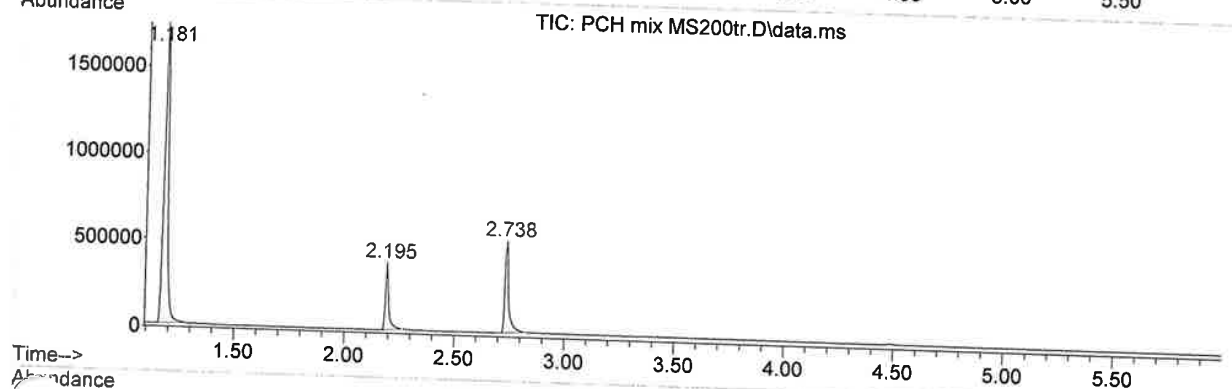
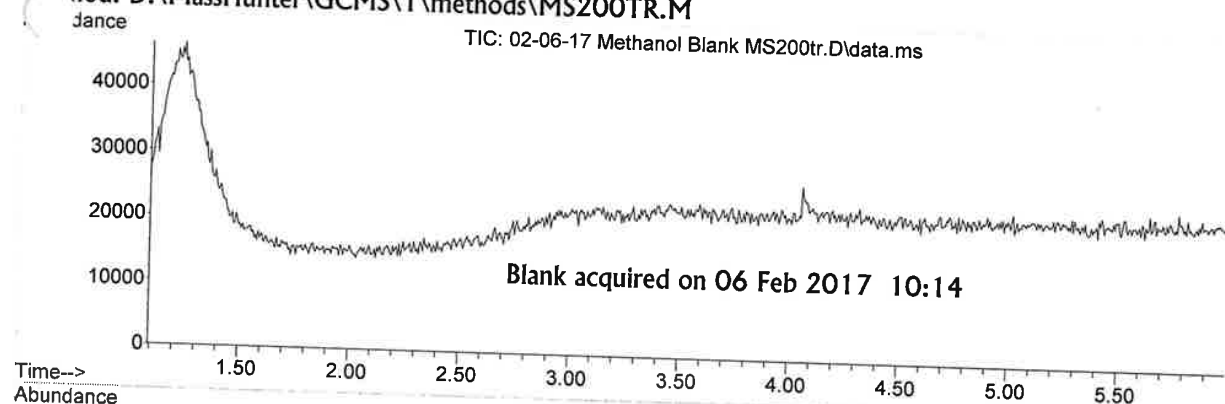
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MS200tr.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 10:32 in vial #
Information: Misc.: Methanol 200-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS200TR.M



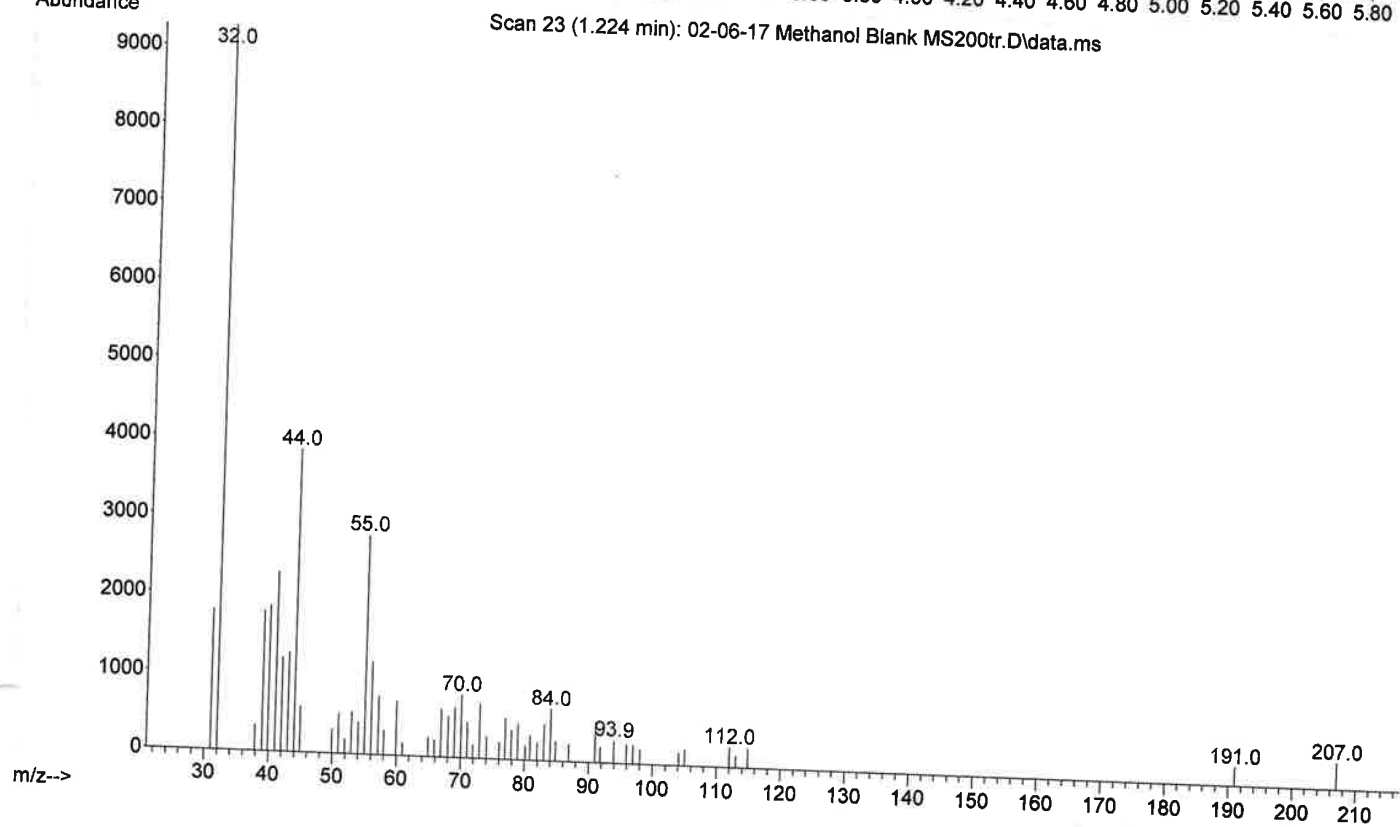
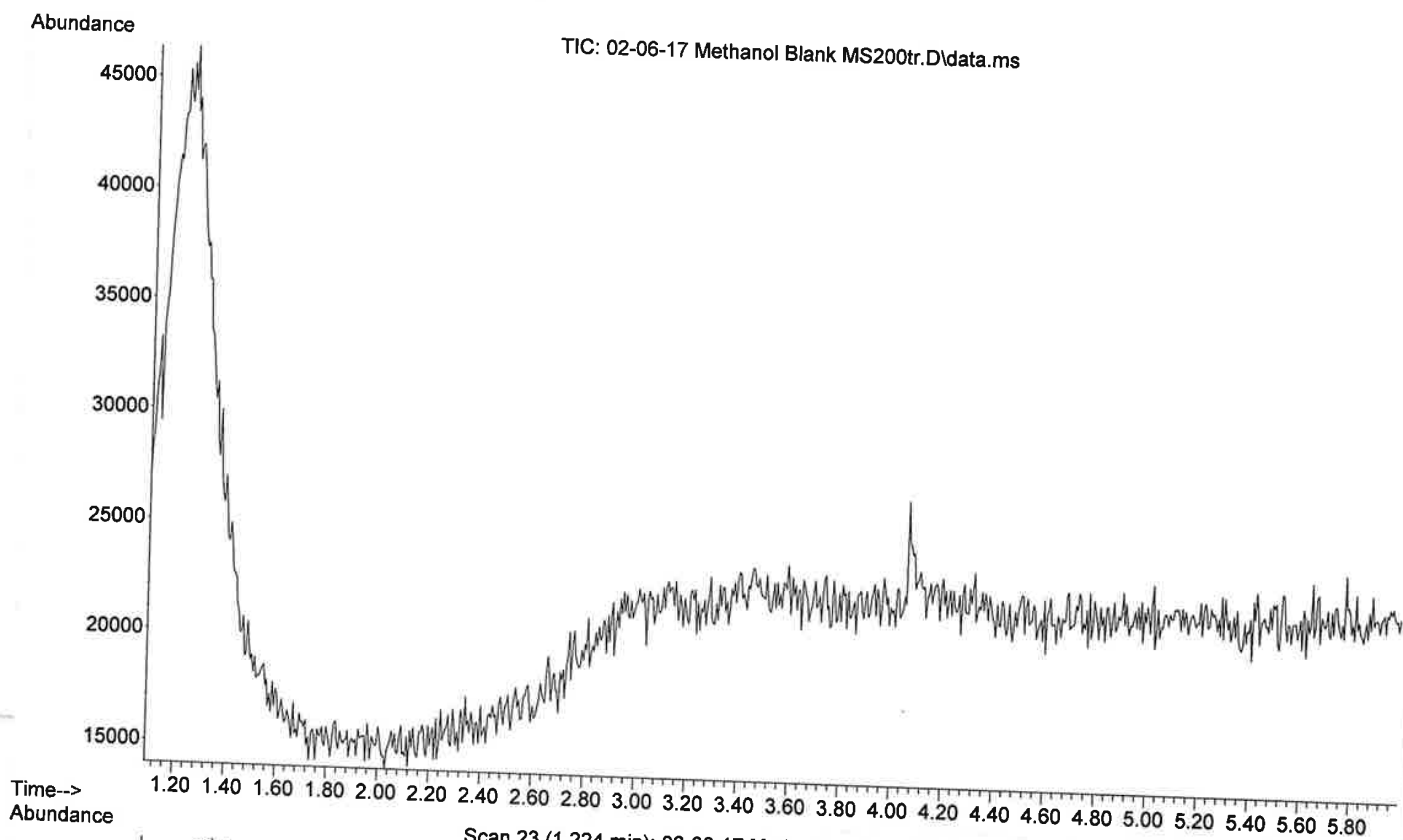
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MS200tr.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 10:32 in vial #
Information: Misc.: Methanol 200-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS200TR.M



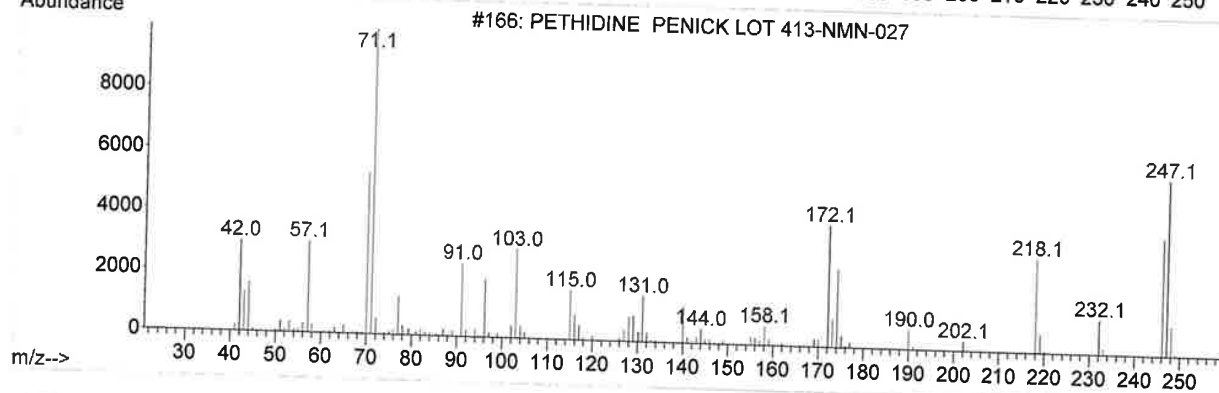
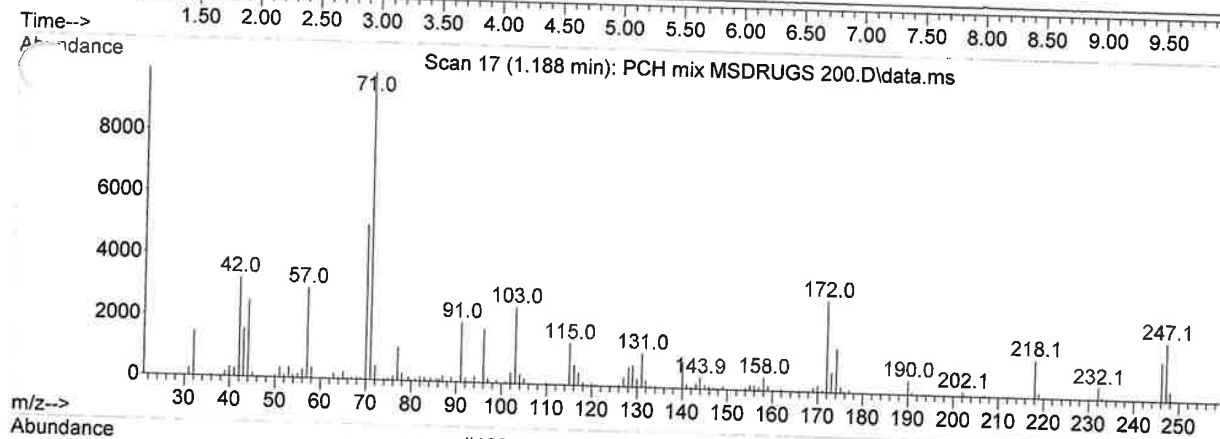
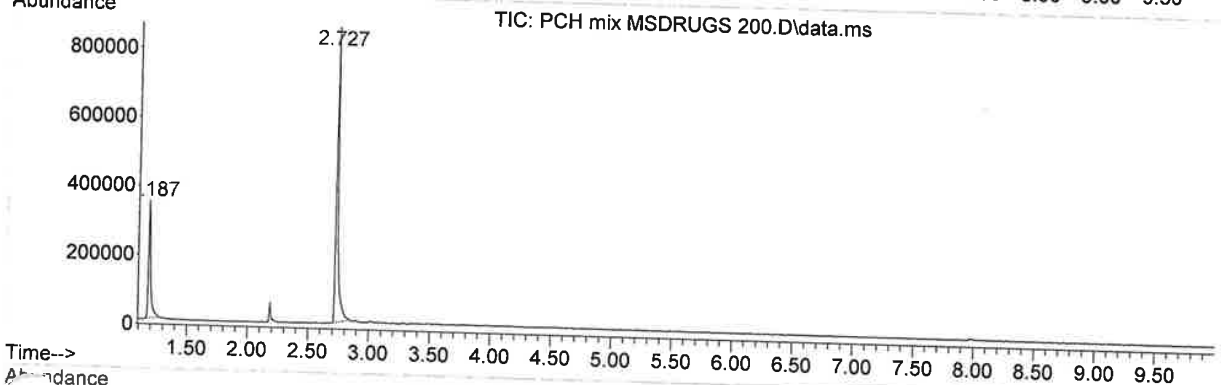
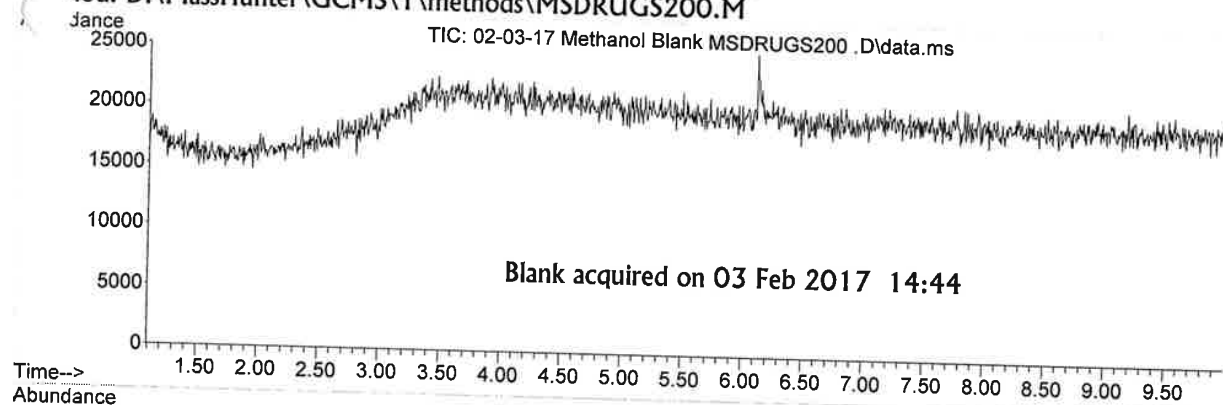
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MS200tr.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 10:32 in vial #
Information: Misc.: Methanol 200-280c @70c/min for 6 min
Method: D:\MassHunter\GCMS\1\methods\MS200TR.M



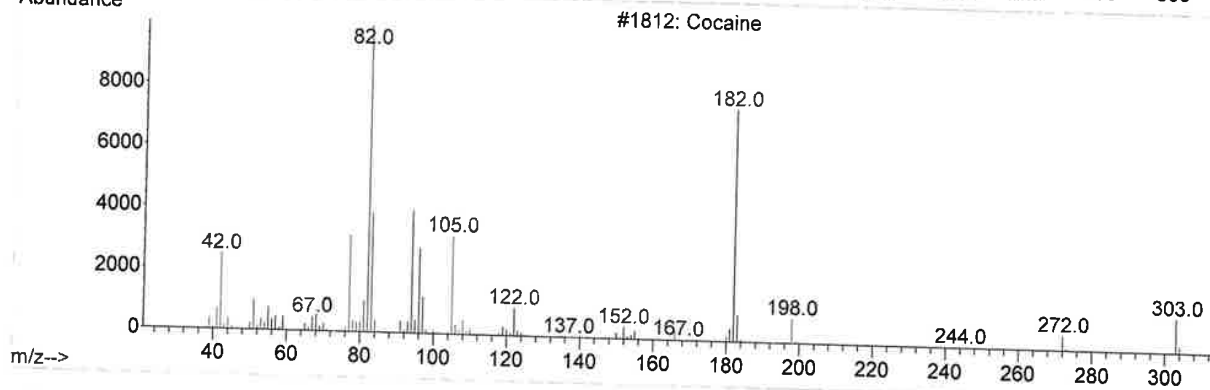
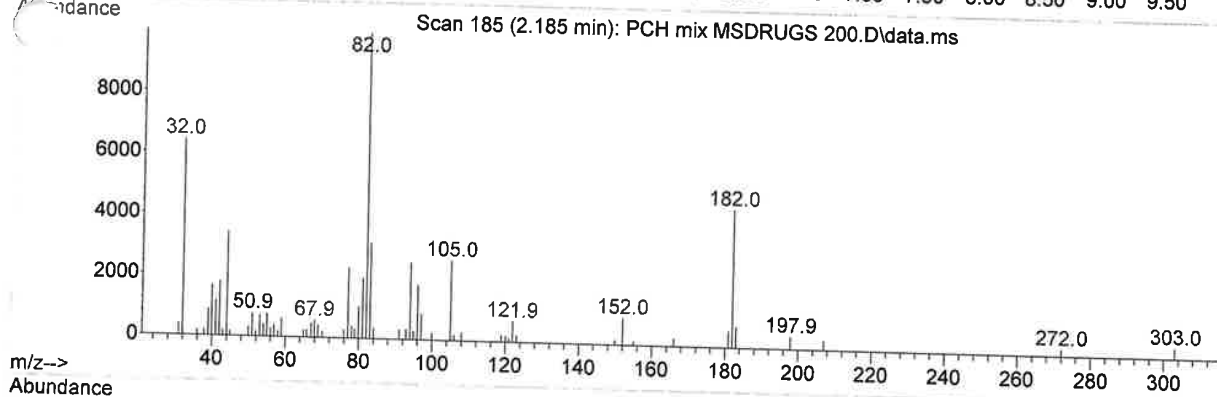
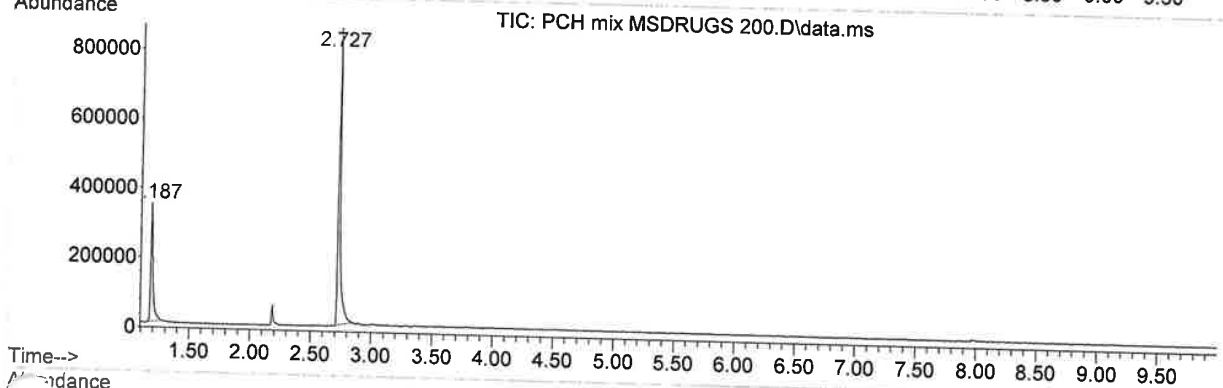
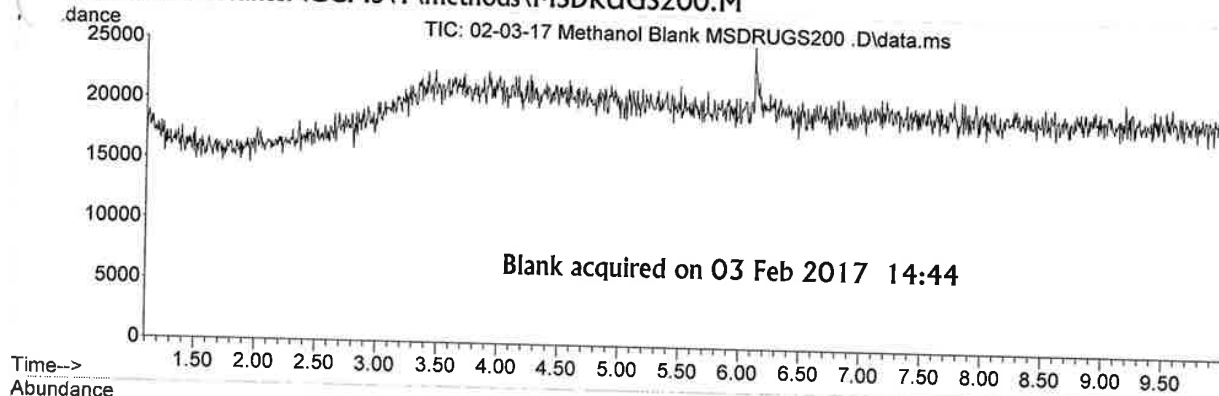
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-06-1
... 7 Methanol Blank MS200tr.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 06 Feb 2017 10:14 using AcqMethod MS200TR.M
Sample Name:
Info : Methanol 200-280c @70c/min for 6 min



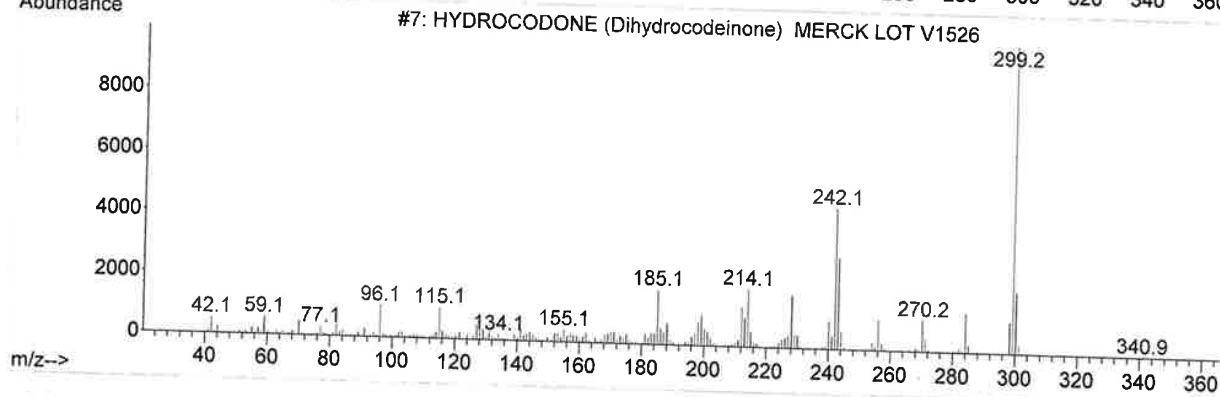
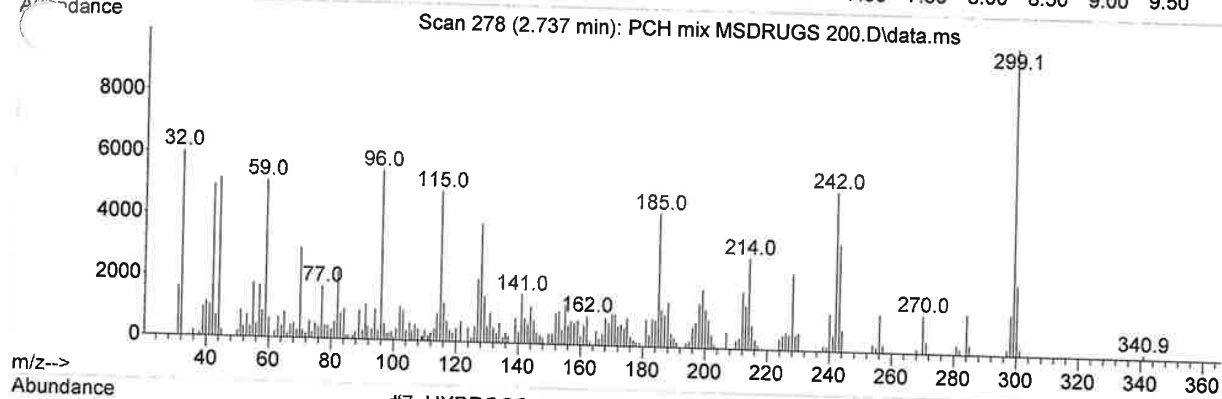
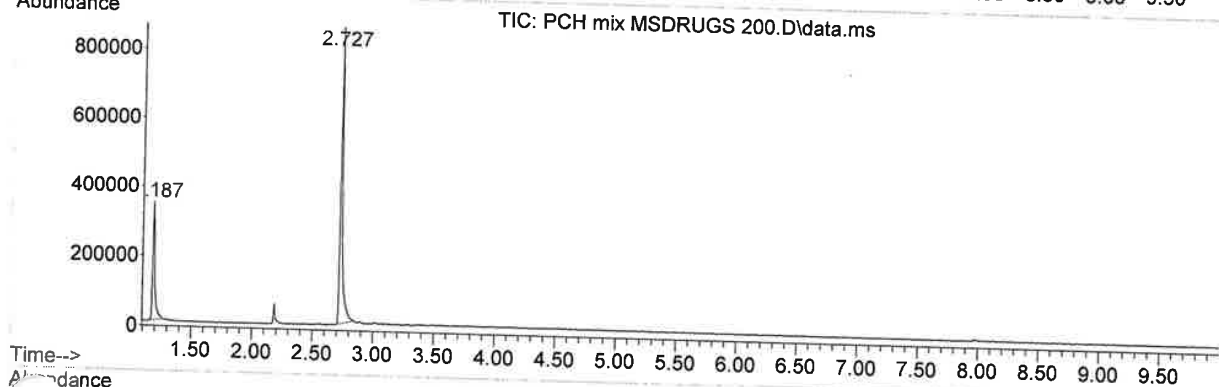
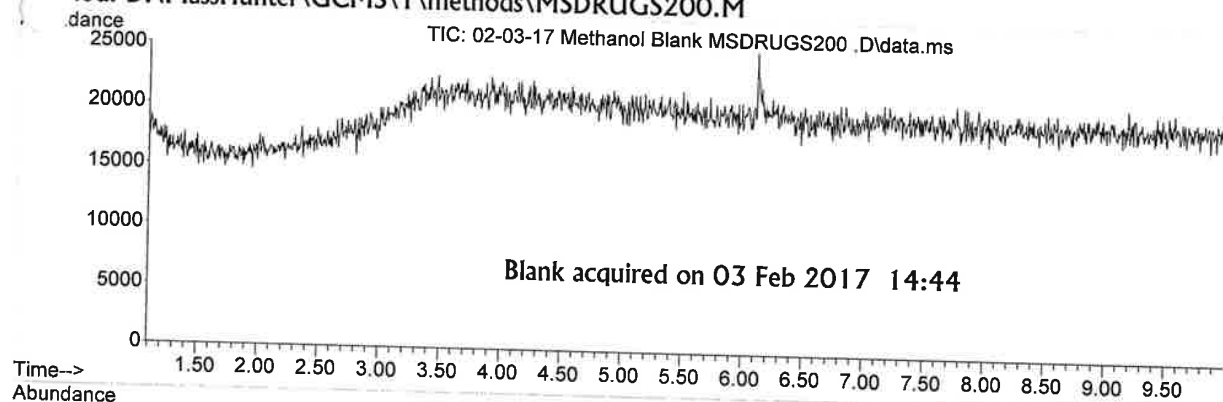
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS 200.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 14:57 in vial #
Information: Misc.: Methanol 200-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS200.M



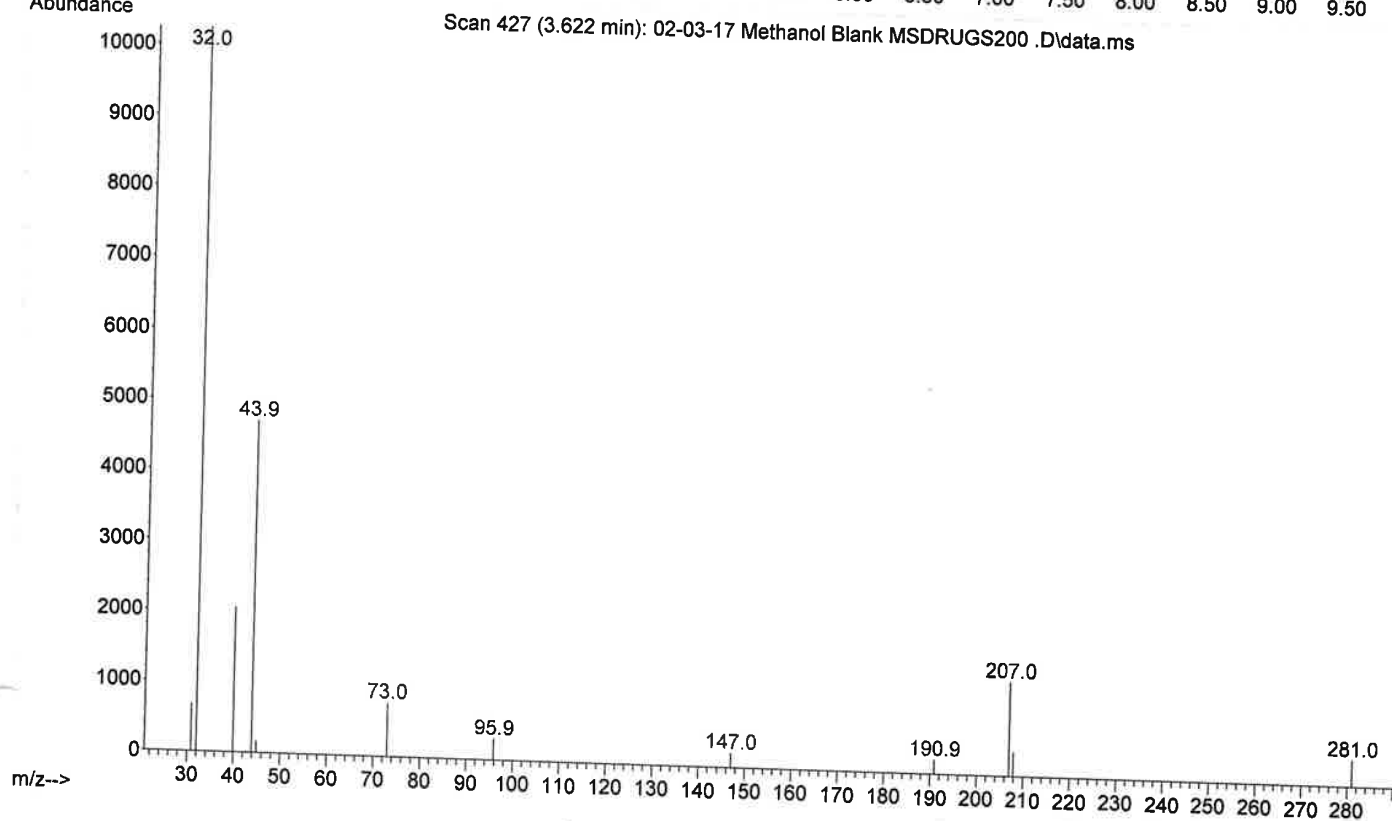
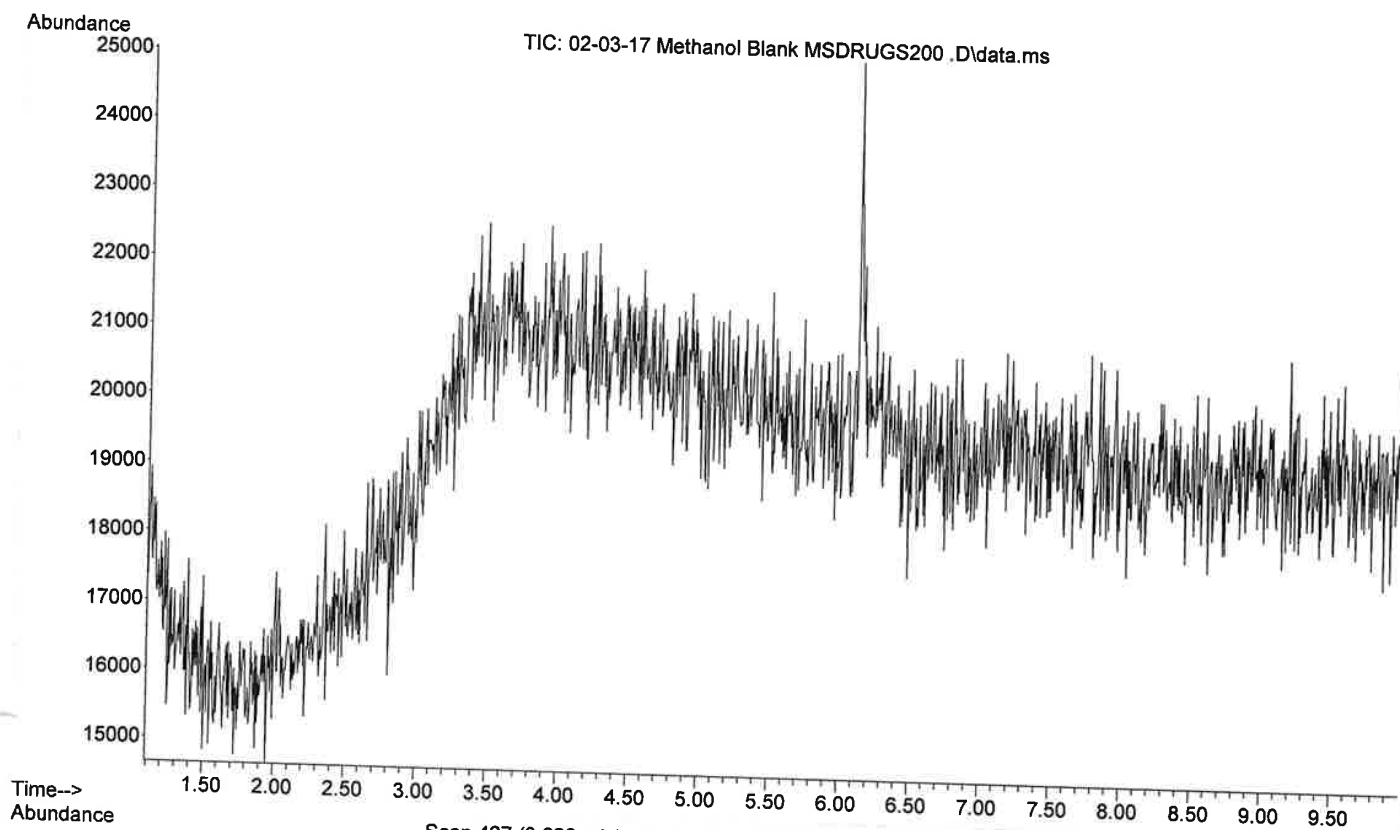
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS 200.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 14:57 in vial #
Information: Misc.: Methanol 200-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS200.M



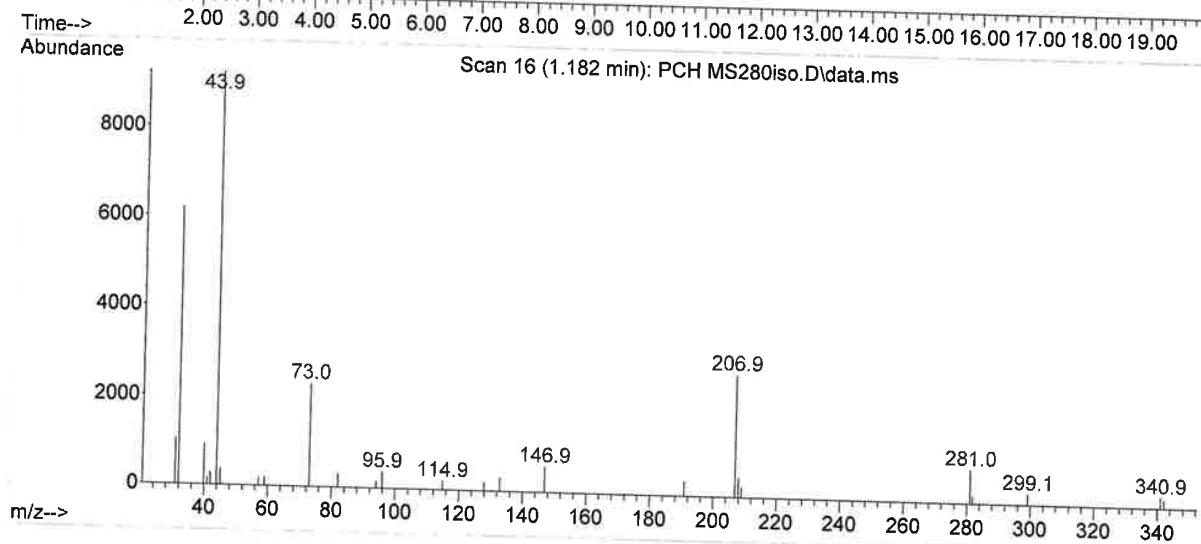
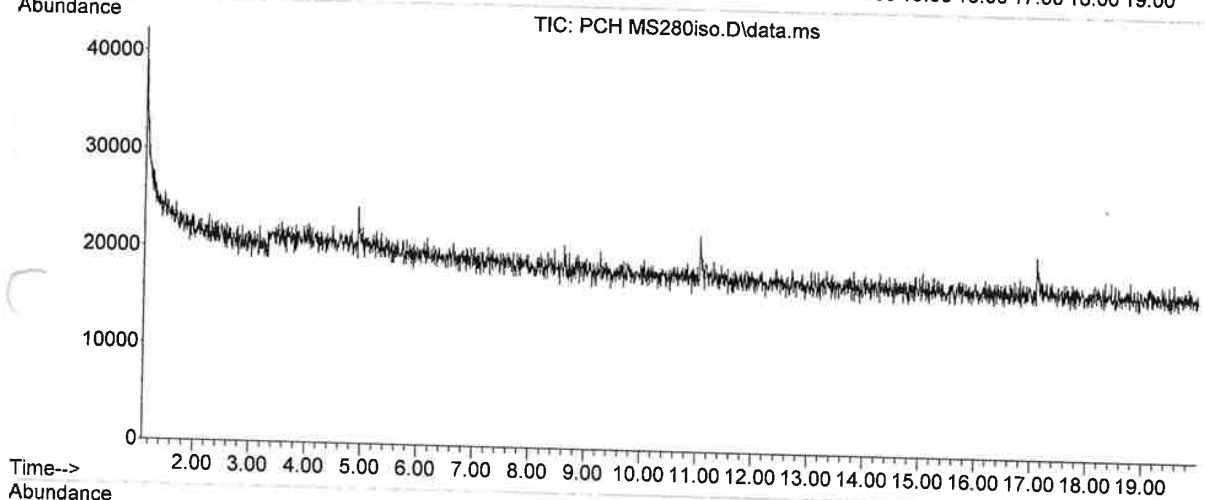
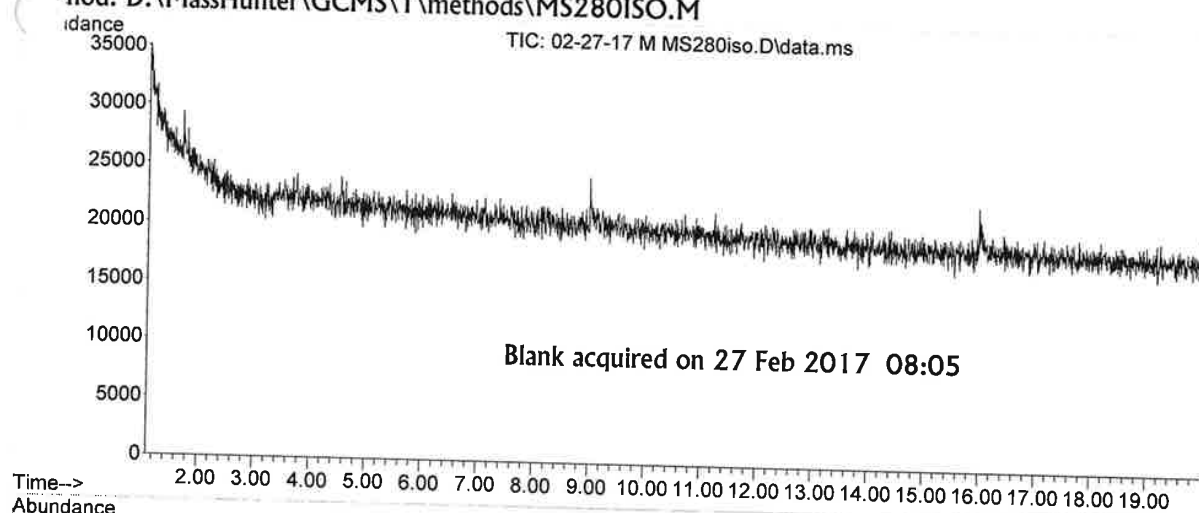
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\PCH mix MSDRUGS 200.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 03 Feb 2017 14:57 in vial #
Information: Misc.: Methanol 200-280c @70c/min for 10 min
Method: D:\MassHunter\GCMS\1\methods\MSDRUGS200.M



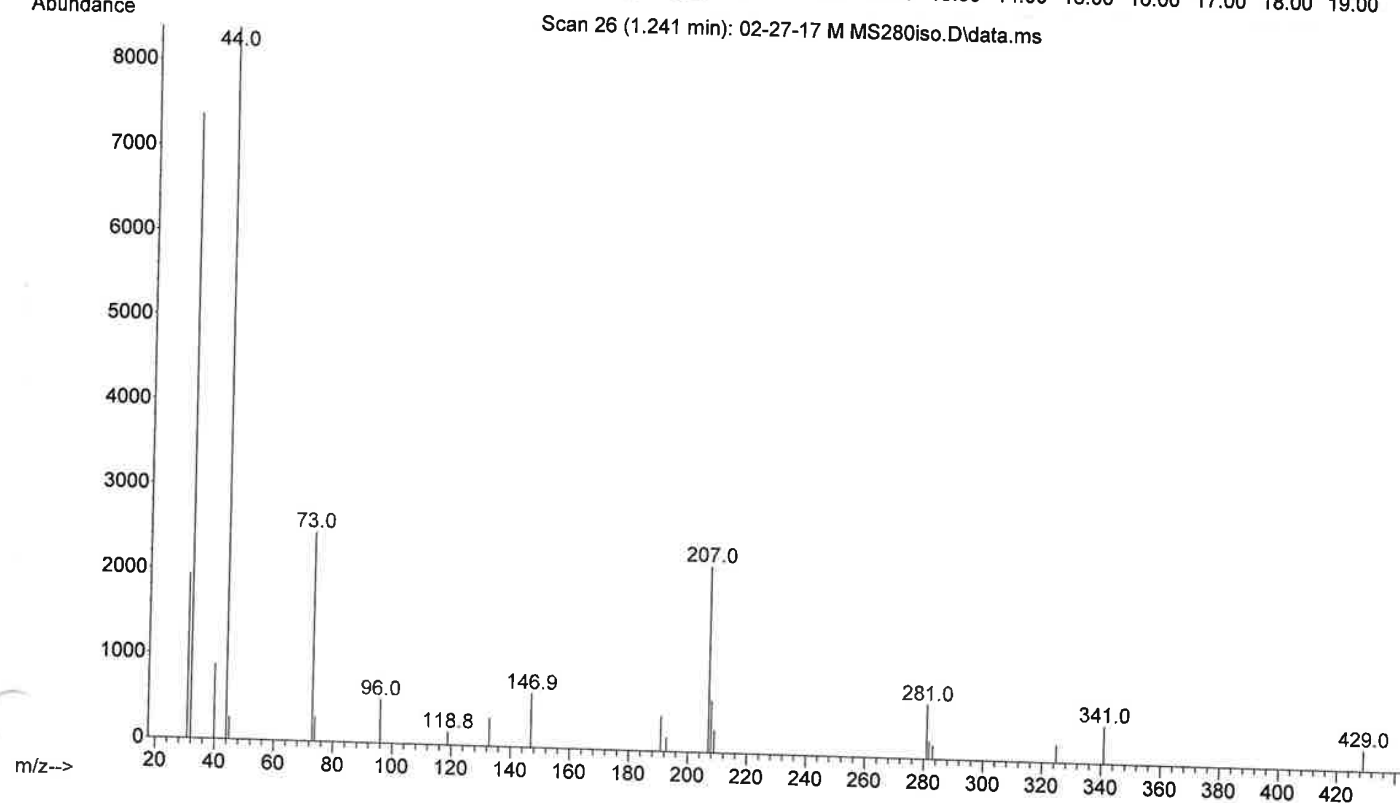
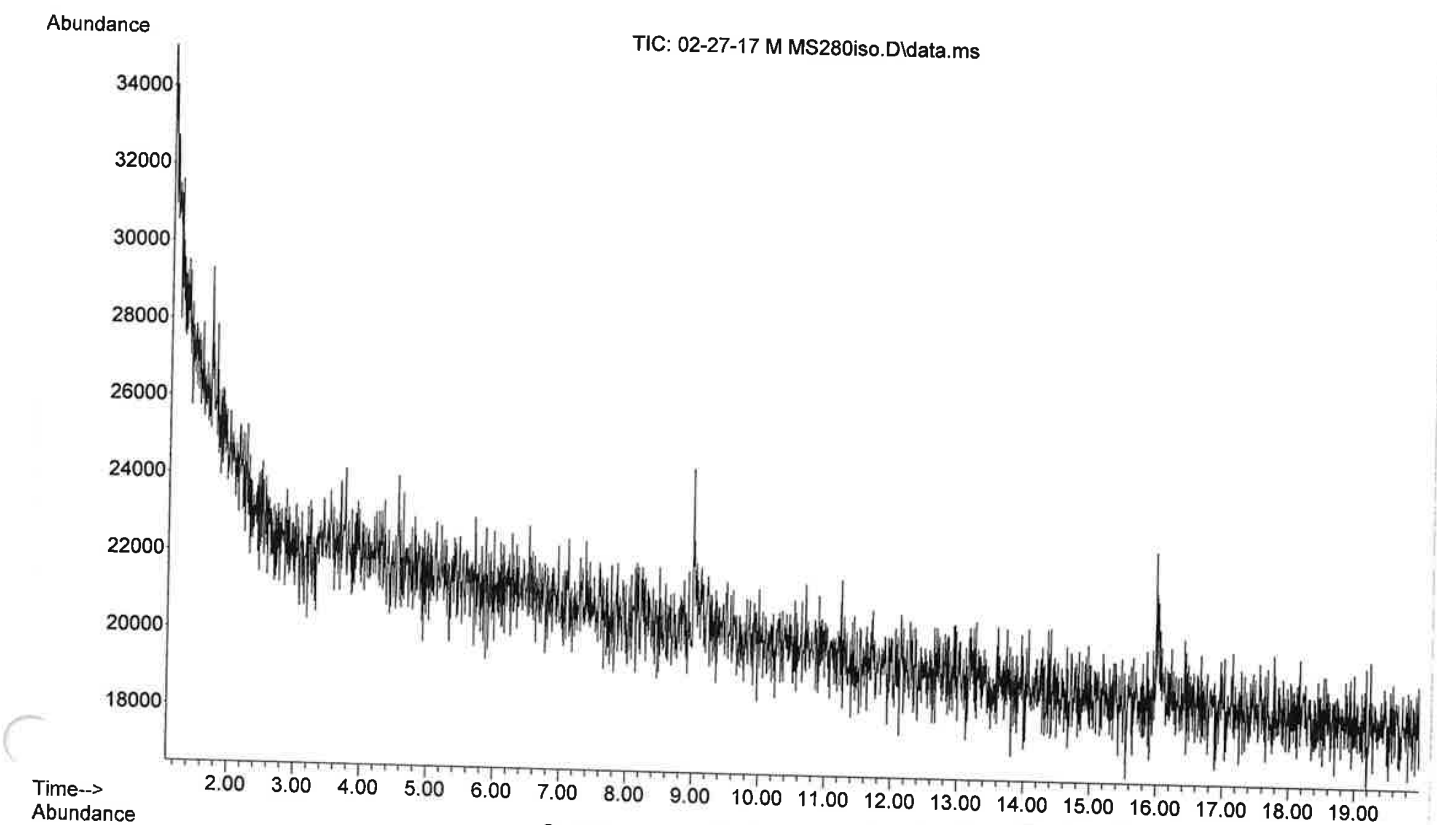
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... 7 Methanol Blank MSDRUGS200 .D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 03 Feb 2017 14:44 using AcqMethod MSDRUGS200.M
Sample Name:
Info : Methanol 200-280c @70c/min for 10 min



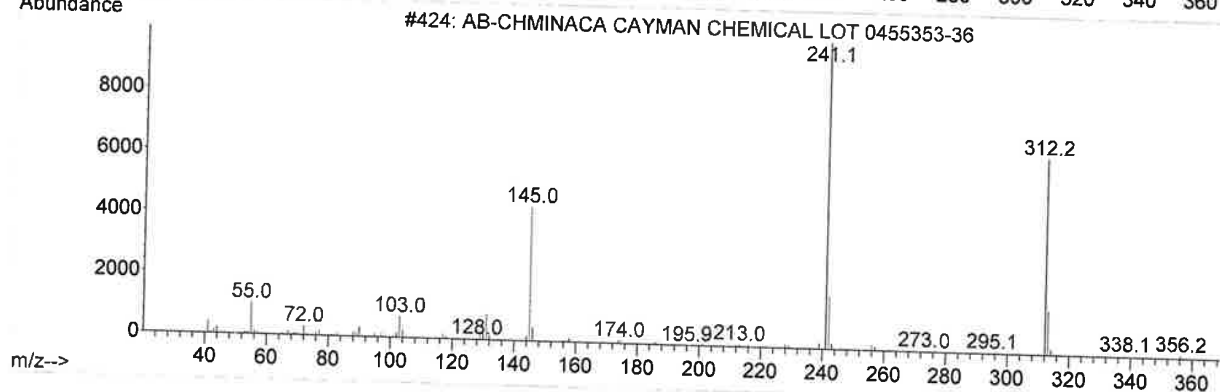
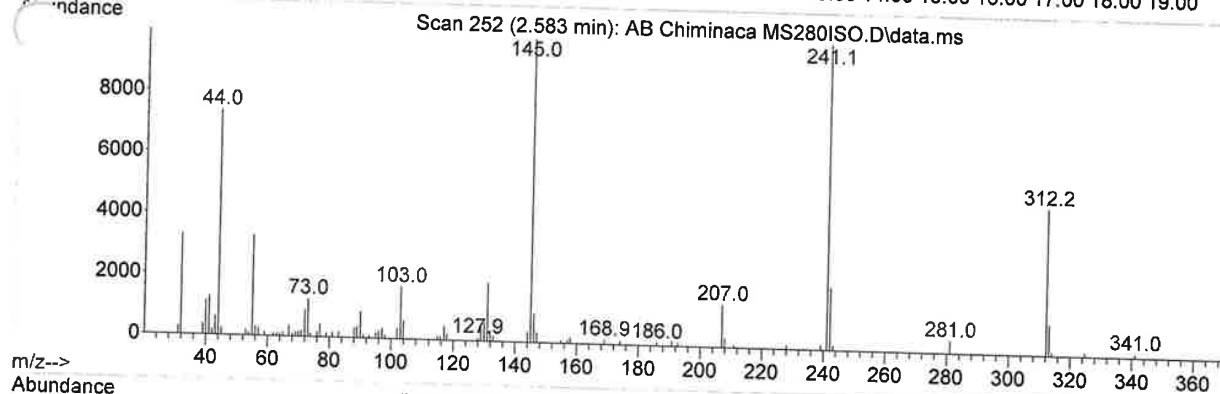
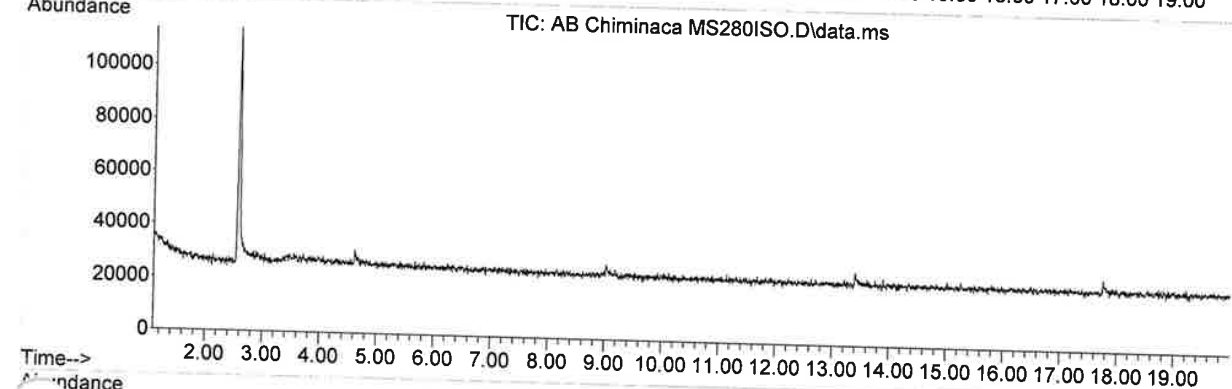
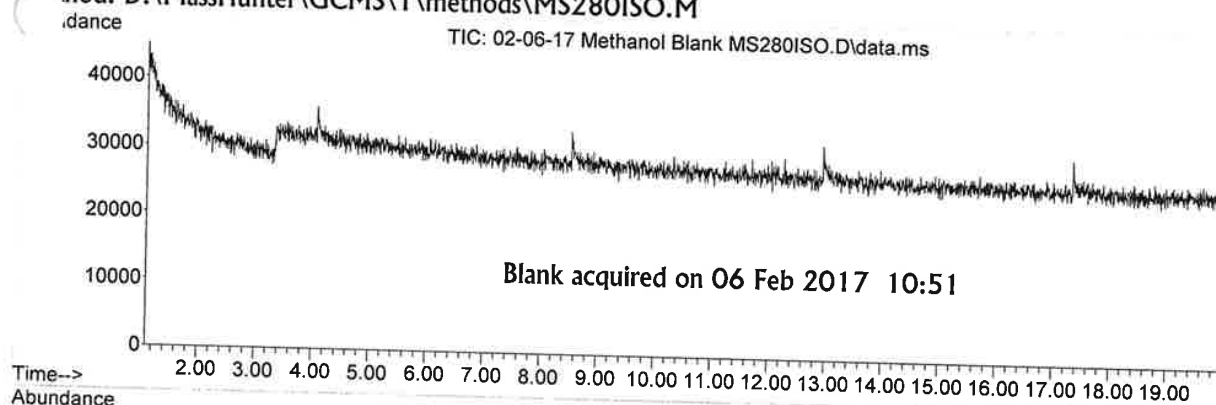
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\02-27-17\PCH MS280iso.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 27 Feb 2017 08:49 in vial #
Information: Misc.: Methanol 280c for 20 min
Method: D:\MassHunter\GCMS\1\methods\MS280ISO.M



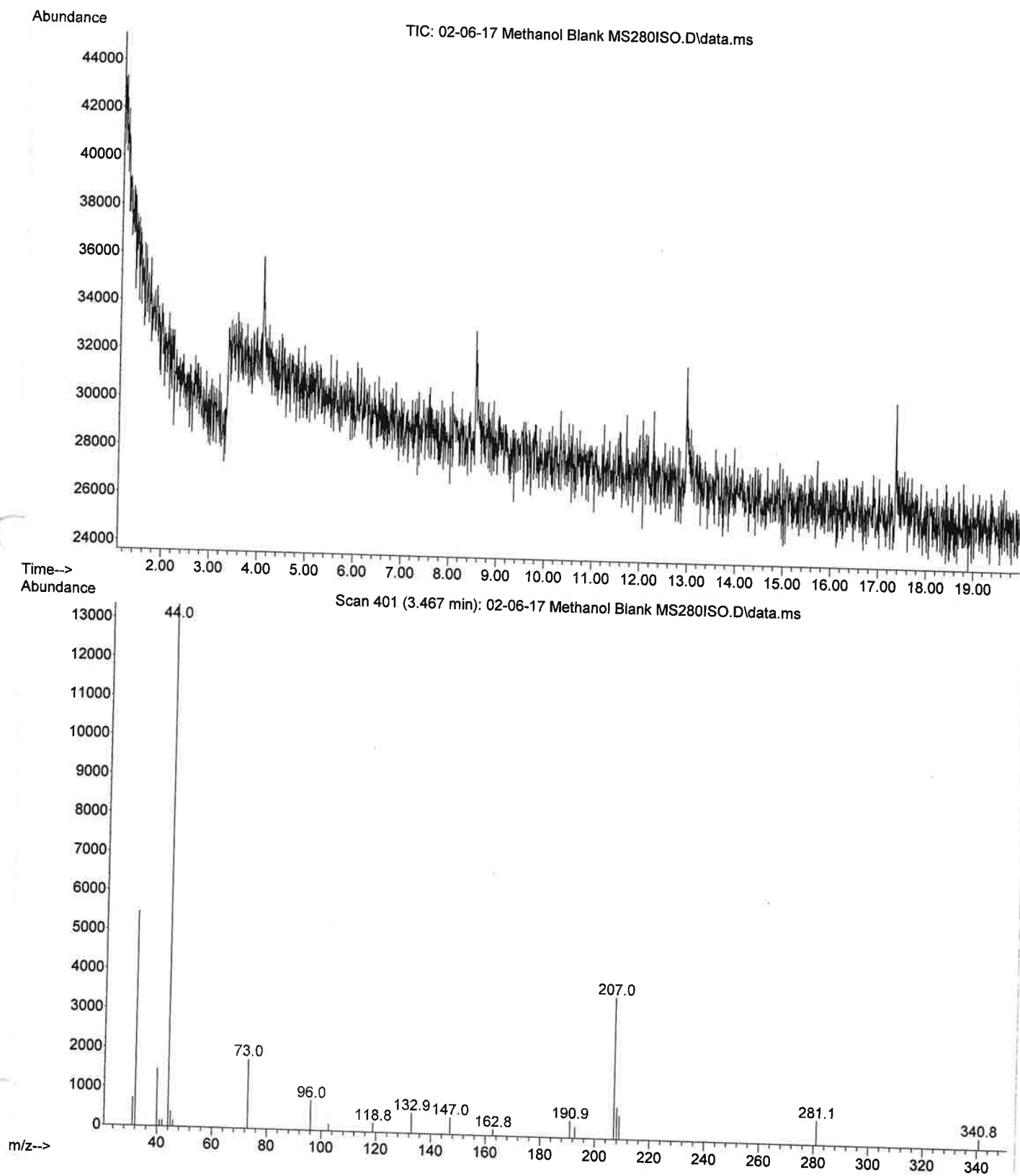
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... M MS280iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 27 Feb 2017 08:05 using AcqMethod MS280ISO.M
Sample Name:
M. Info : Methanol 280c for 20 min



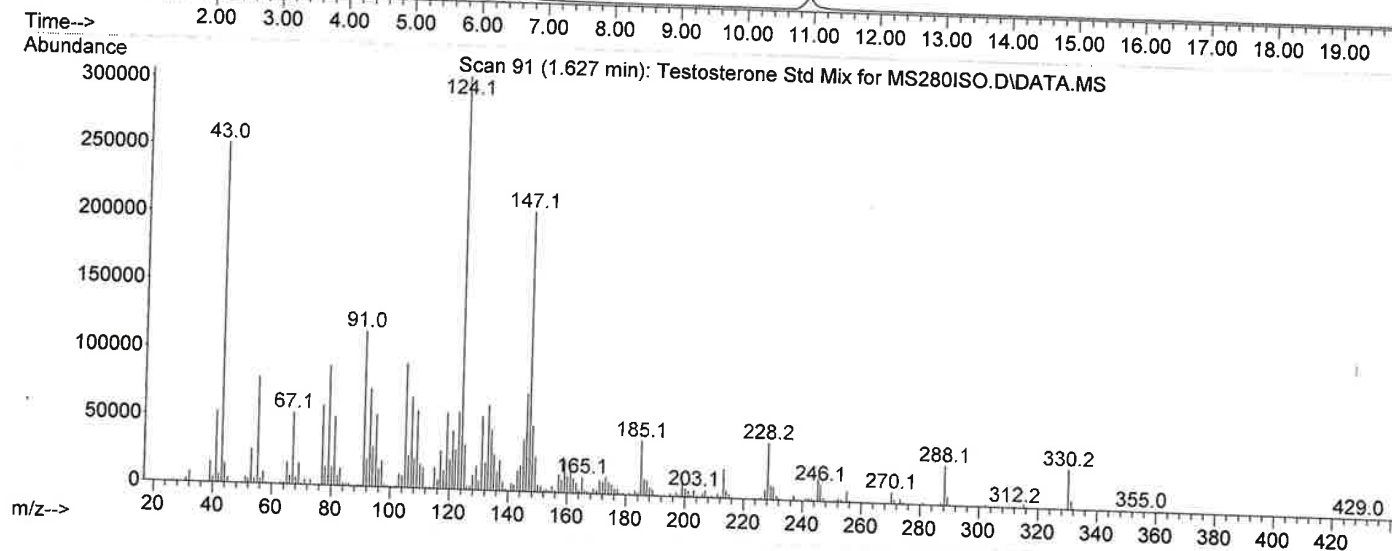
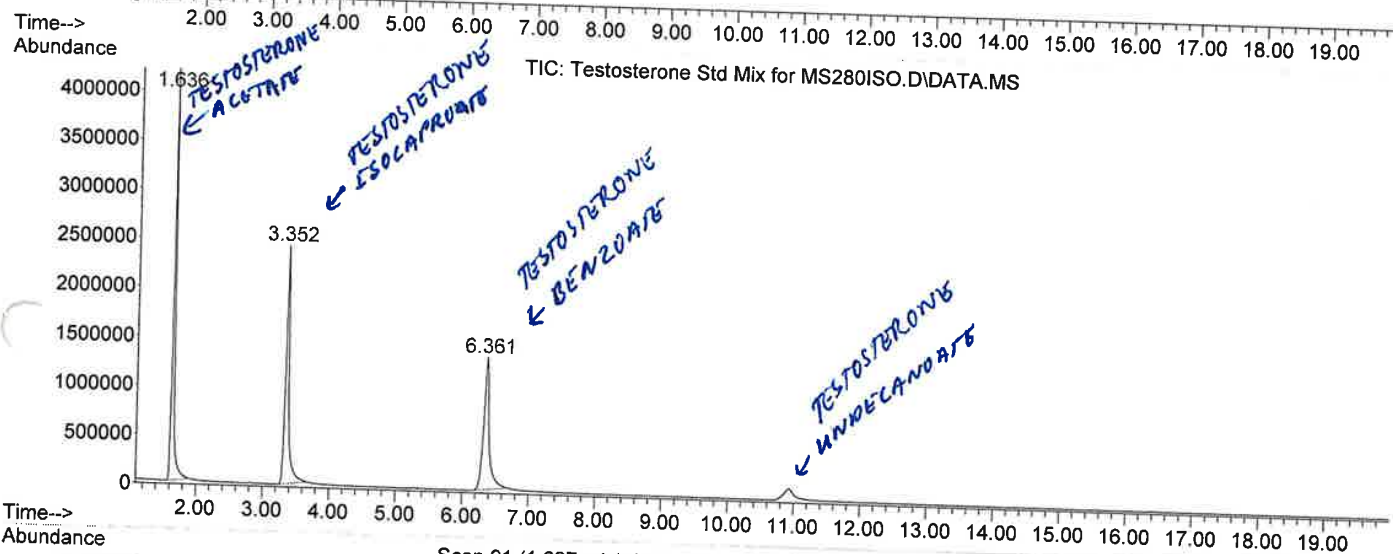
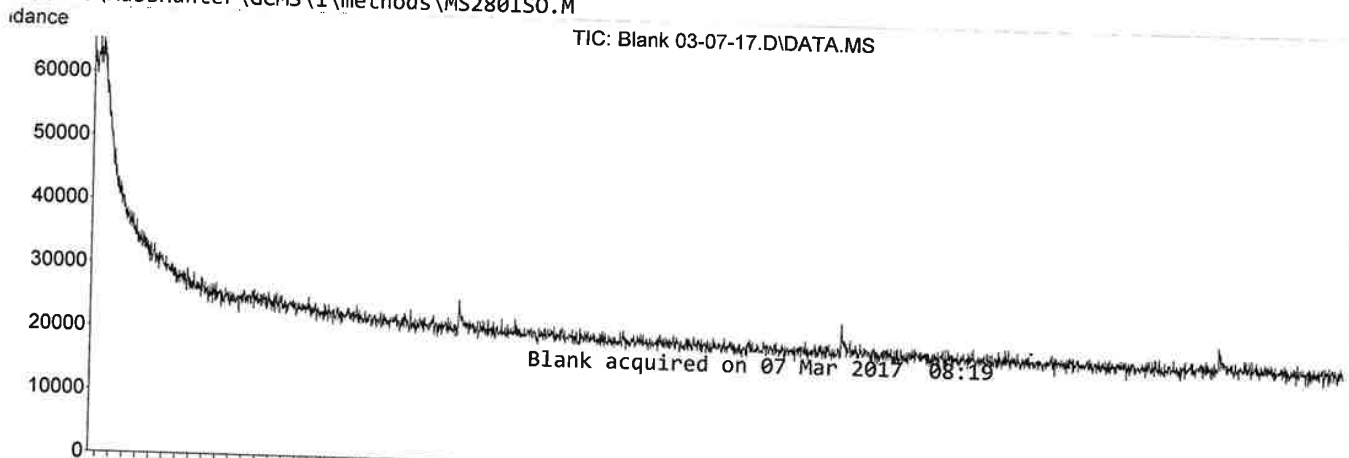
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\AB Chiminaca MS280ISO.D
Instrument: Kenny Tuned on 30 Jan 2017 10:14 am
Acquired by Lela Jackson on 06 Feb 2017 12:05 in vial #
Information: Misc.: Methanol exp 10/3/17
Method: D:\MassHunter\GCMS\1\methods\MS280ISO.M



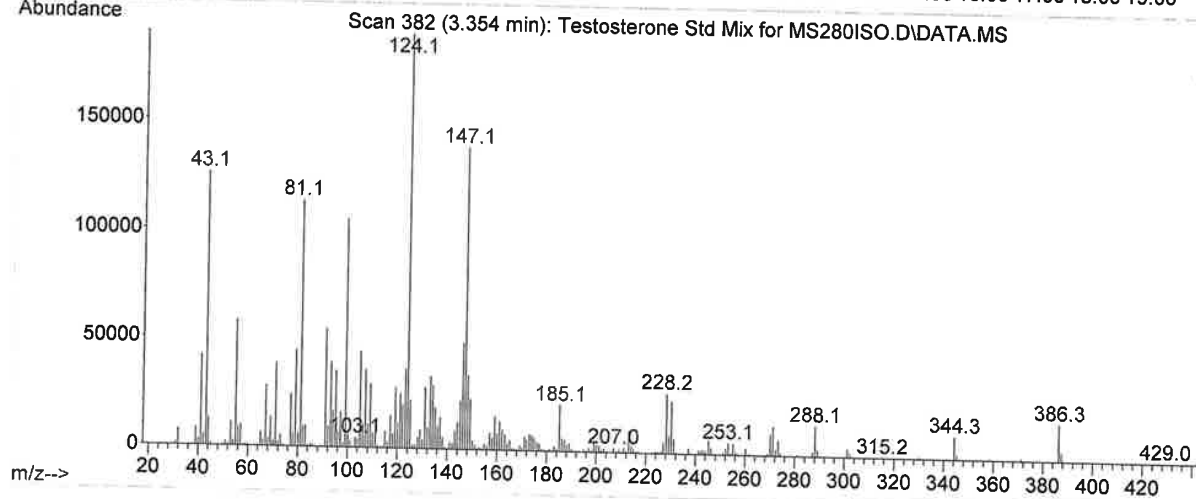
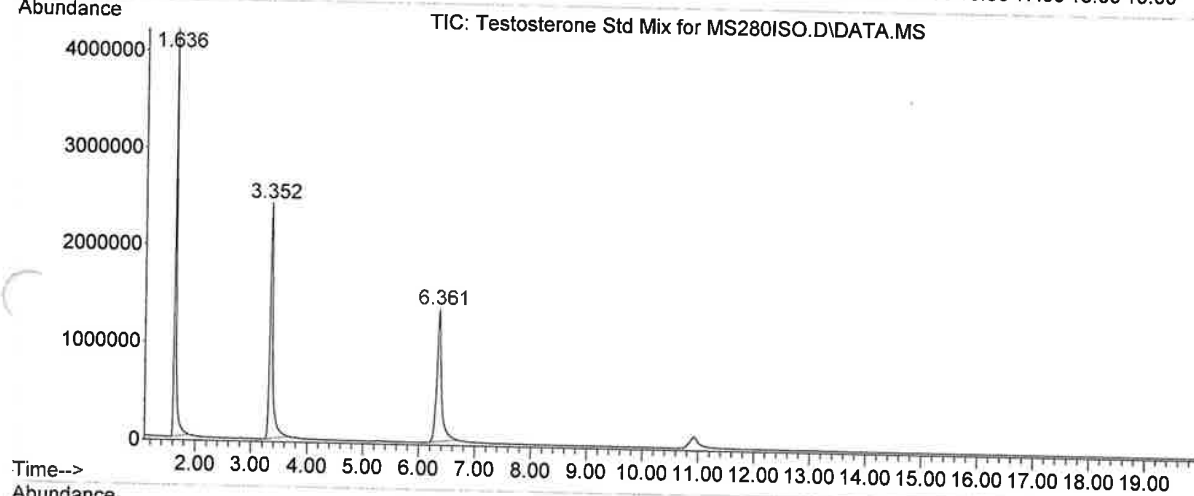
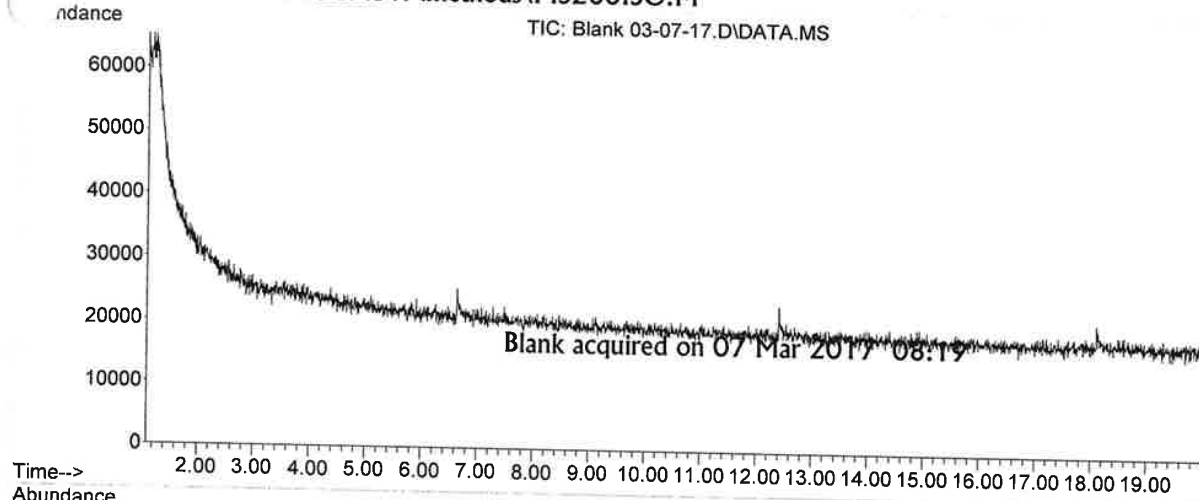
File :D:\MassHunter\GCMS\1\data\2017\Validation\manuel inj\02-06-1
... 7 Methanol Blank MS280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 06 Feb 2017 10:51 using AcqMethod MS280ISO.M
File Name:
Info : Methanol 280c for 20 min



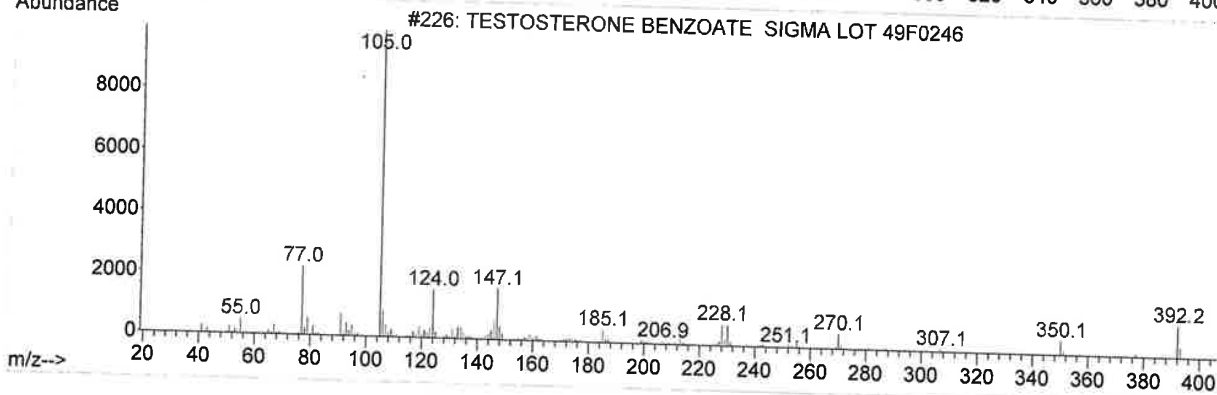
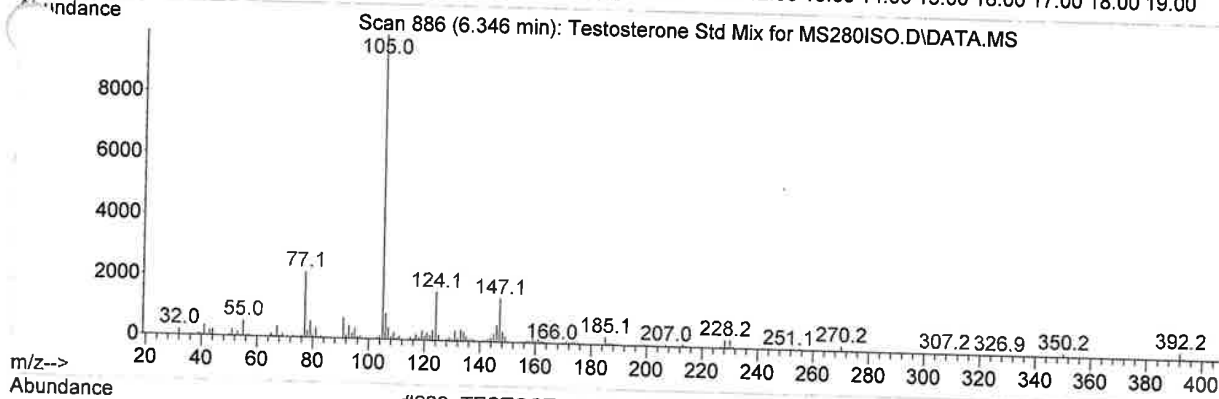
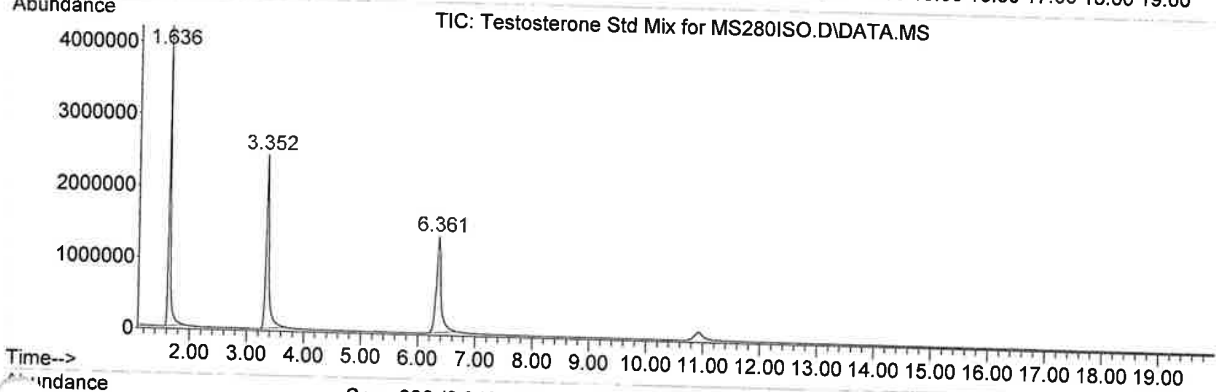
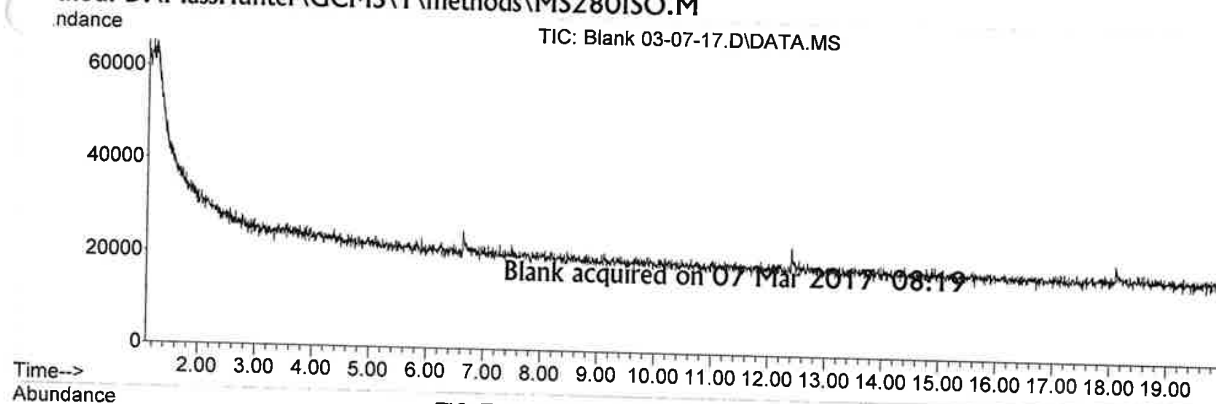
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Testosterone Std Mix for MS280ISO.D
Instrument: Kenny Tuned on 1 Mar 2017 6:36 am
Acquired by Lela Jackson on 07 Mar 2017 08:45 in vial #
Information: Test Mix for MS280ISO Misc.: Validation for MS280ISO
Method: D:\MassHunter\GCMS\1\methods\MS280ISO.M



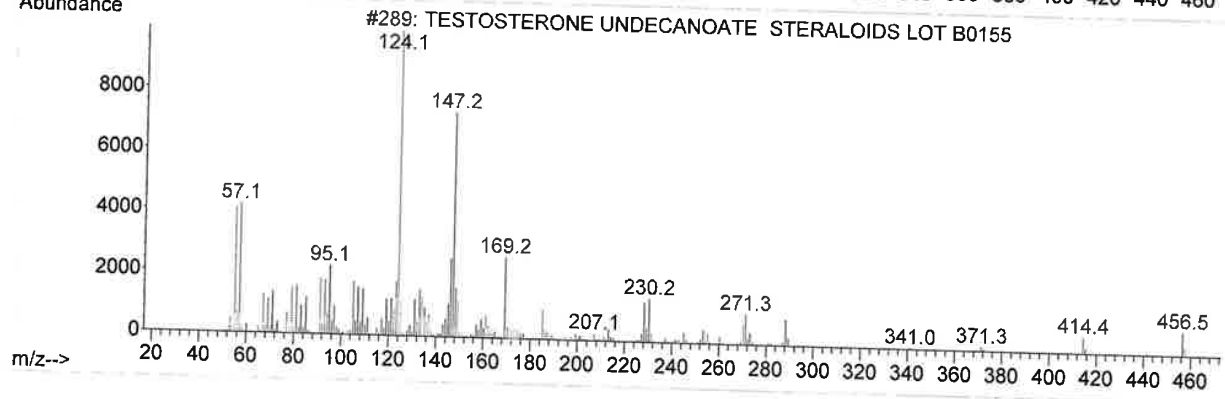
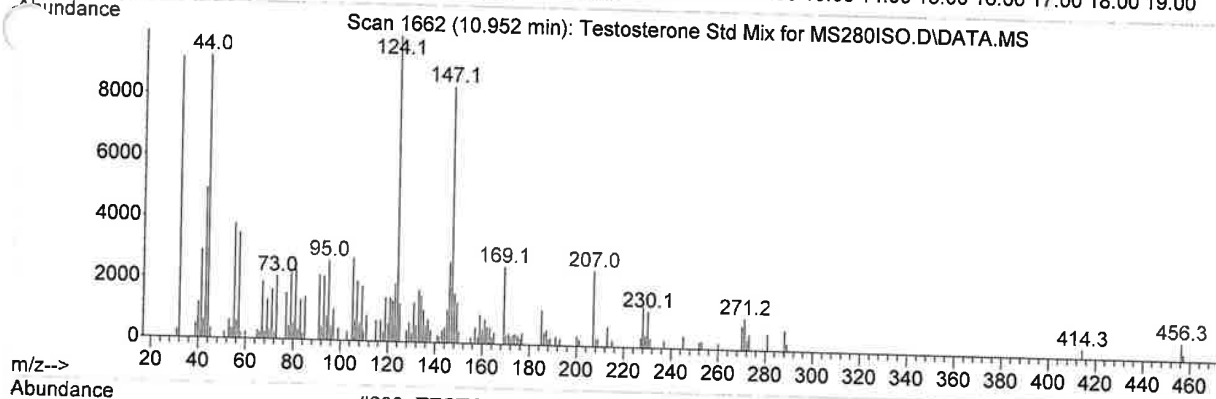
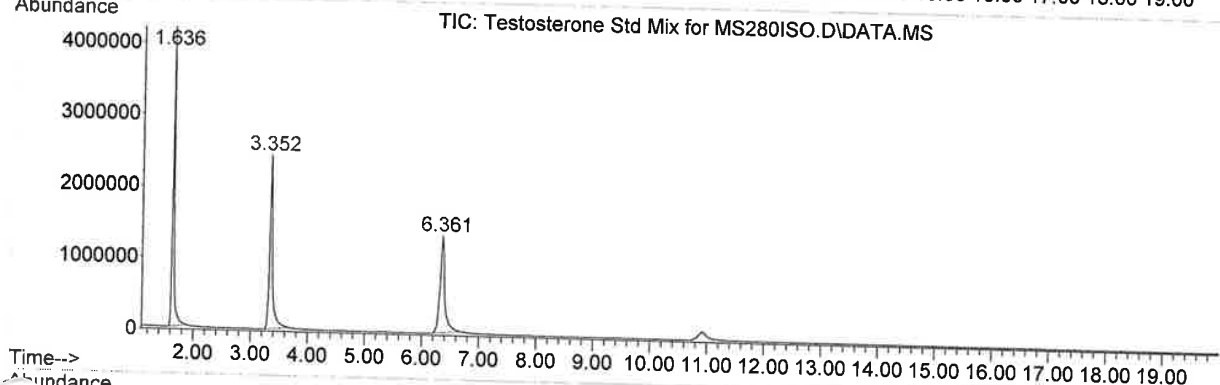
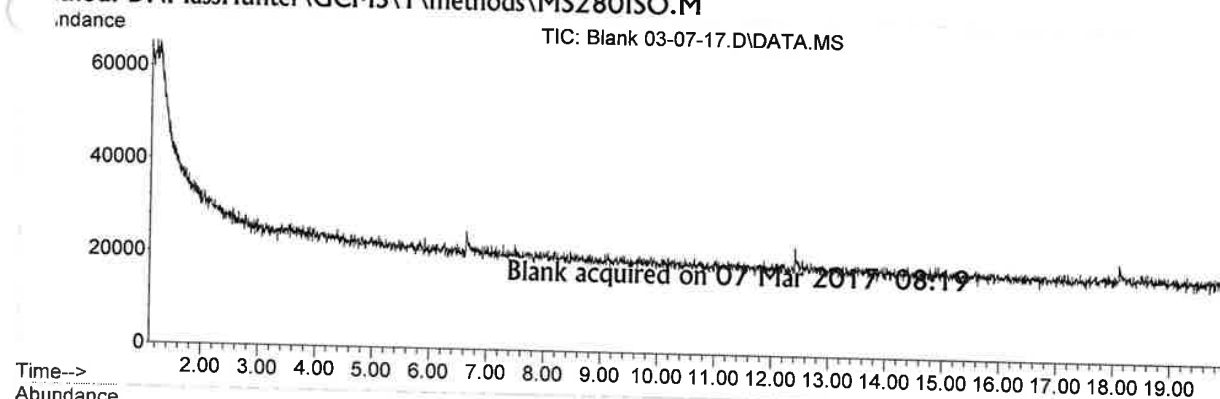
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Testosterone Std Mix for MS280ISO.D
Instrument: Kenny Tuned on 1 Mar 2017 6:36 am
Acquired by Lela Jackson on 07 Mar 2017 08:45 in vial #
Information: Test Mix for MS280ISO Misc.: Validation for MS280ISO
Method: D:\MassHunter\GCMS\1\methods\MS280ISO.M



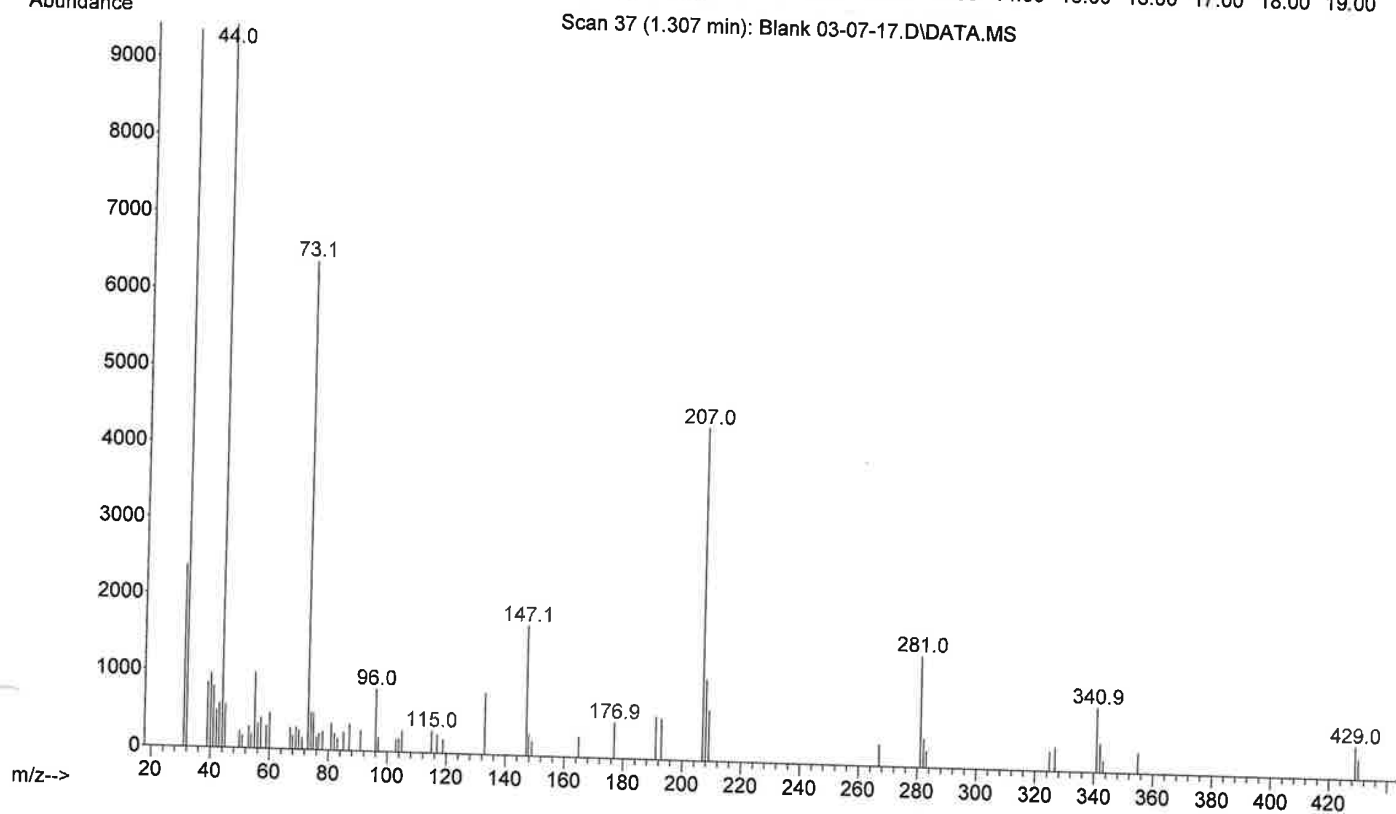
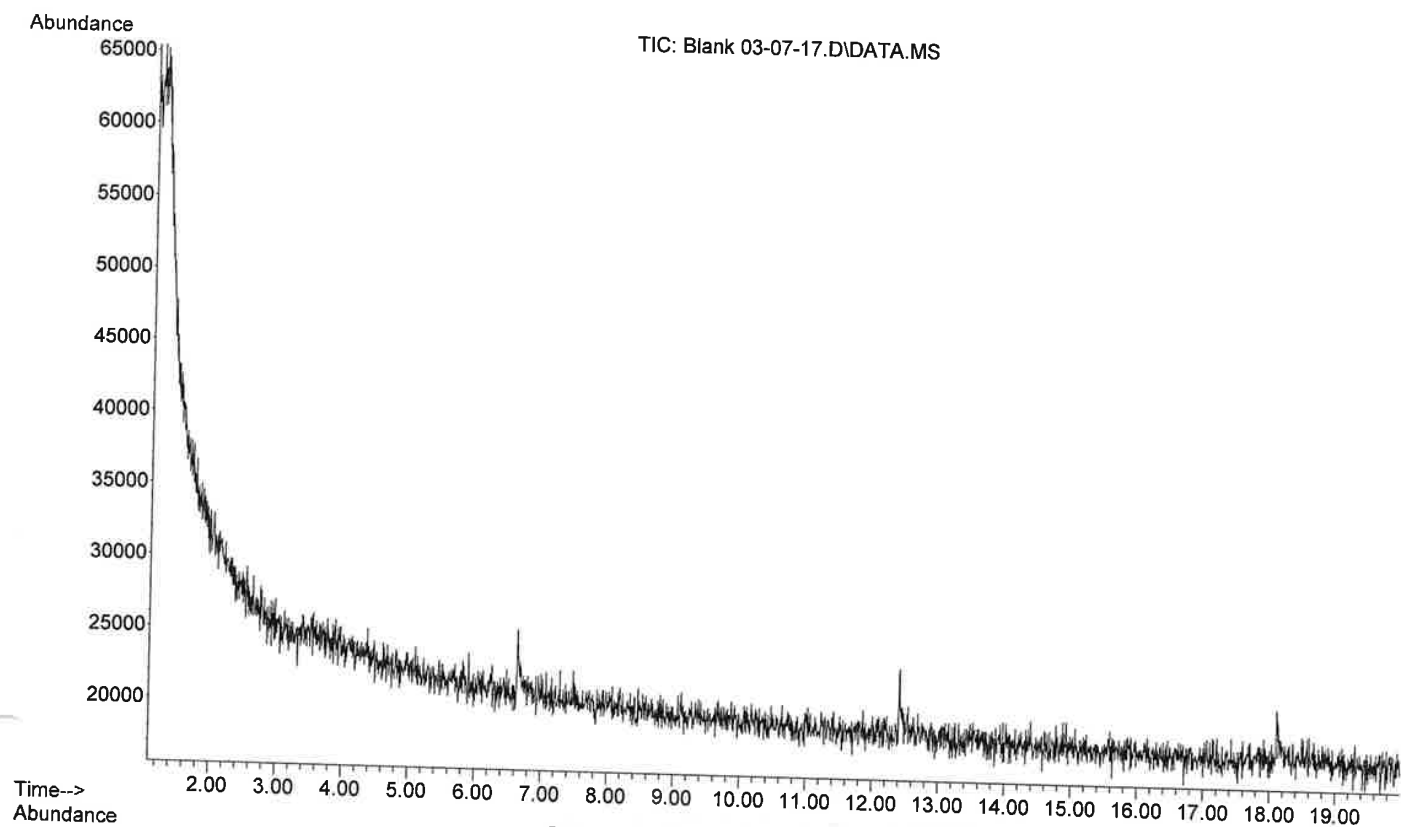
Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Testosterone Std Mix for MS280ISO.D
Instrument: Kenny Tuned on 1 Mar 2017 6:36 am
Acquired by Lela Jackson on 07 Mar 2017 08:45 in vial #
Information: Test Mix for MS280ISO Misc.: Validation for MS280ISO
Method: D:\MassHunter\GCMS\1\methods\MS280ISO.M



Tennessee Bureau of Investigation: Nashville Crime Laboratory
Name of file: D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Testosterone Std Mix for MS280ISO.D
Instrument: Kenny Tuned on 1 Mar 2017 6:36 am
Acquired by Lela Jackson on 07 Mar 2017 08:45 in vial #
Information: Test Mix for MS280ISO Misc.: Validation for MS280ISO
Method: D:\MassHunter\GCMS\1\methods\MS280ISO.M



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Blank 03-
... 07-17.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 08:19 using AcqMethod MS280ISO.M
File Name: LJ MeOH Blank 03-07-17
Info : Validation Blank for MS280ISO



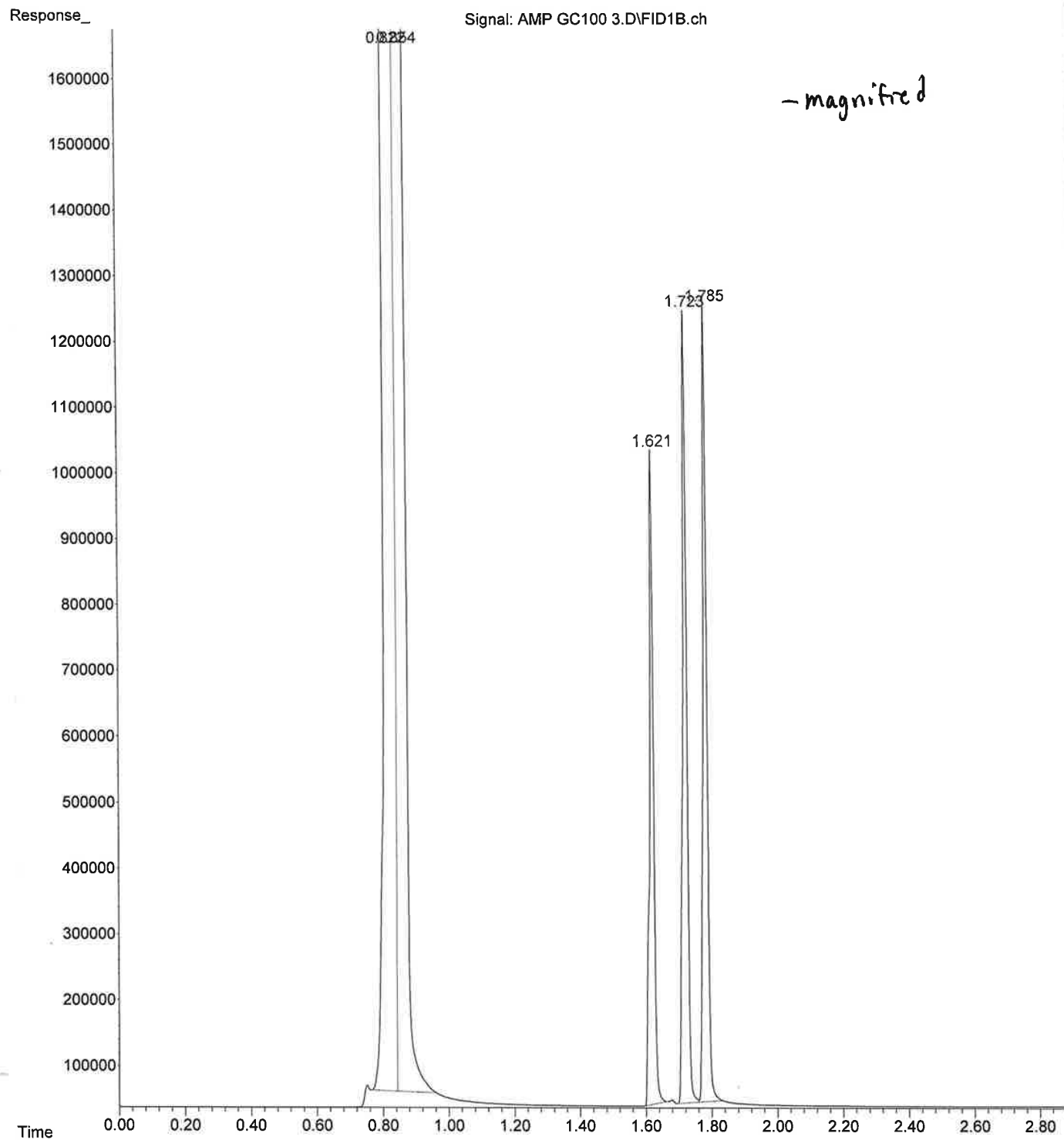
KENNY Summary: GC Retention times

Compounds	Methods				
	GC100	GC200	GC150ISO	GC280ISO	GC280ISOTI
Amphetamine	1.621	*	0.834	-	-
Phentermine	1.723	*	0.869	-	-
Methamphetamine	1.785	*	0.887	-	-
Pethidine	3.115	1.060	3.807	0.591	*
Cocaine	4.068	1.869	*	0.692	0.696
Hydrocodone	4.586	2.359	*	0.837	0.841
AB-Chiminaca	-	-	-	1.449	1.453
Testosterone Acetate	-	-	-	1.114	1.107
Testosterone Isocaproate	-	-	-	1.737	1.728
Testosterone Benzoate	-	-	-	2.996	2.980
Testosterone Undecanoate	-	-	-	4.258	4.235

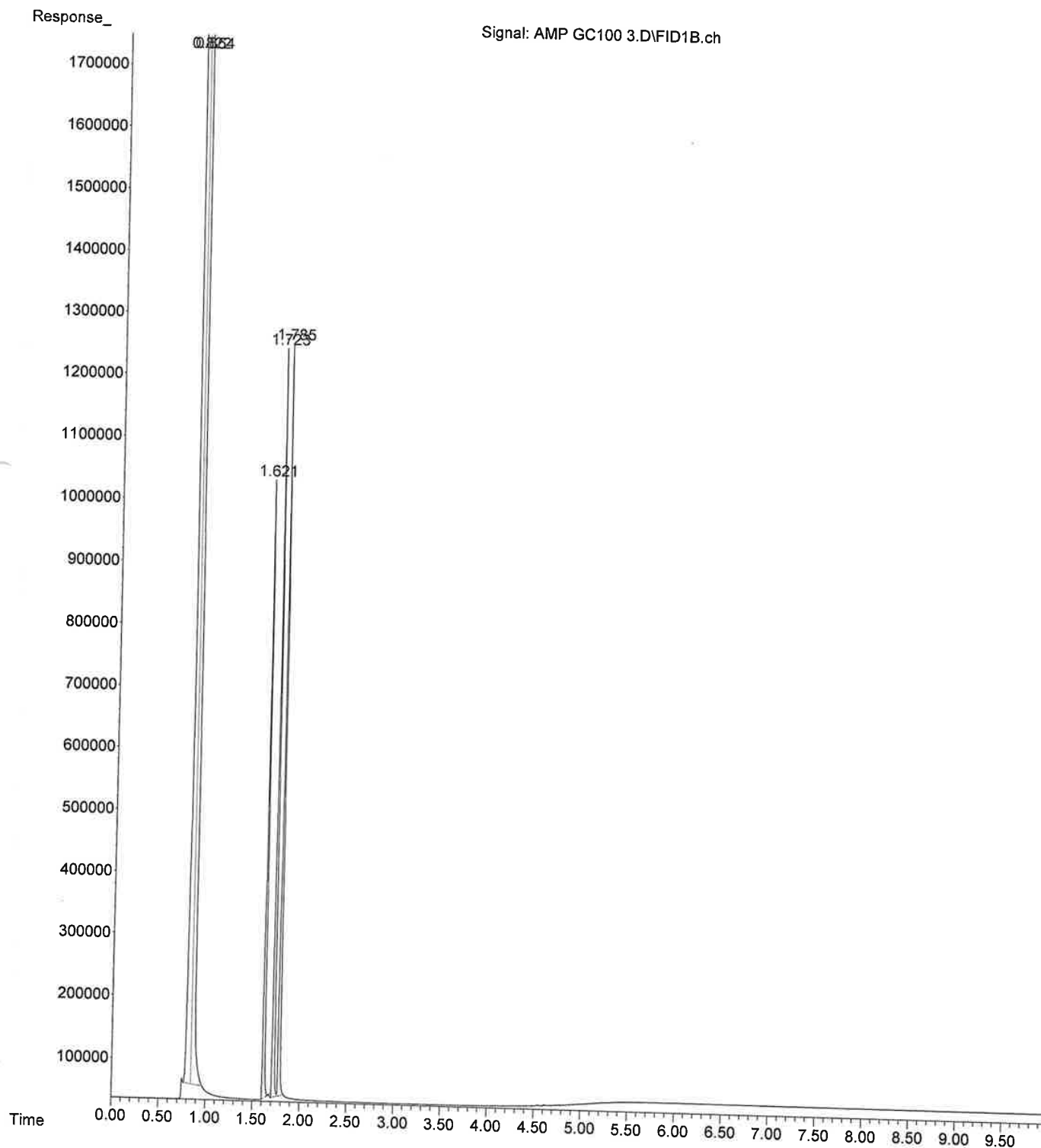
- = Compounds not run on method

* = GC chromatographs had 2 prominent peaks or less (unable to attribute identification to suspected compound peaks)

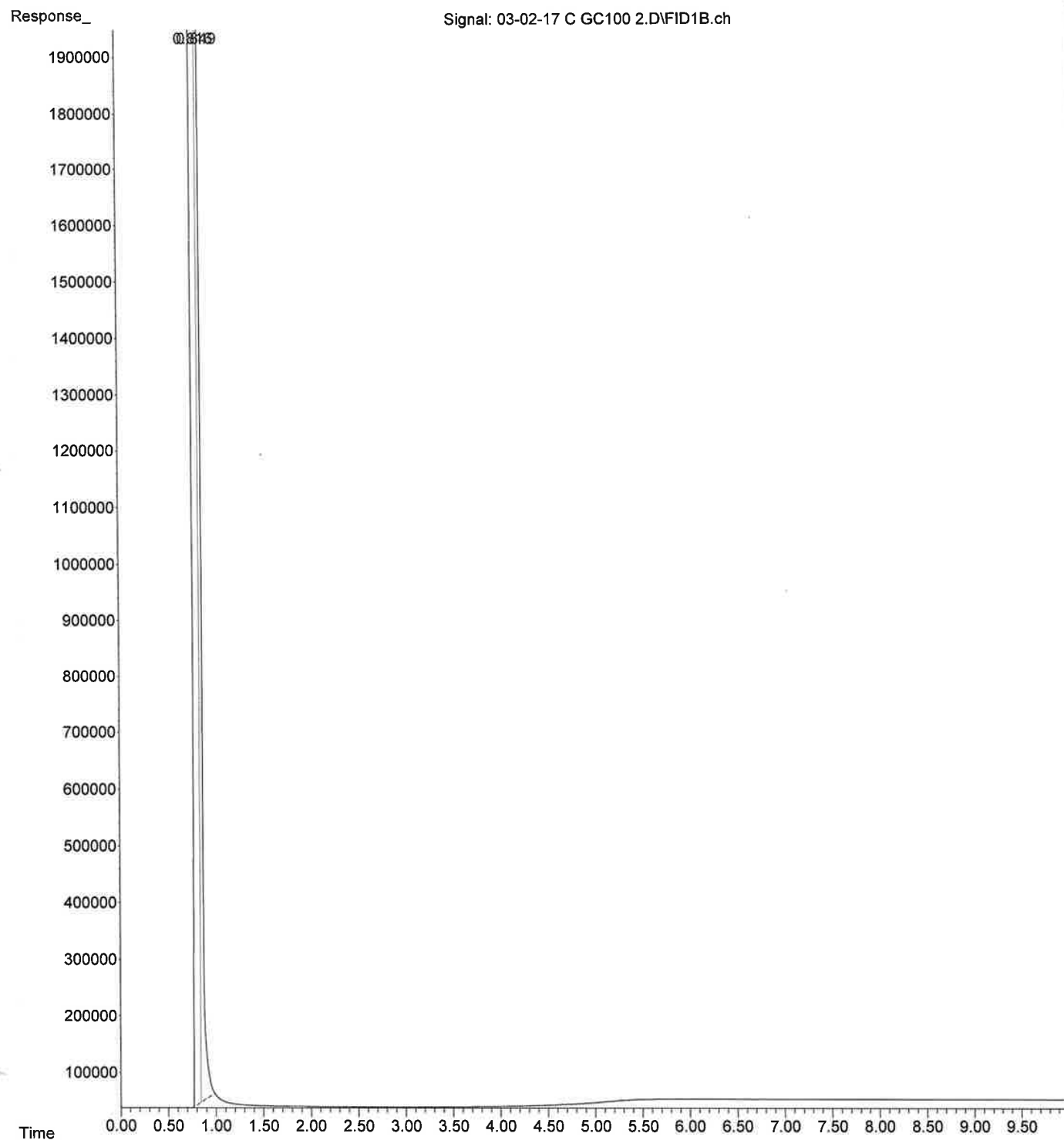
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AMP GC100
... 3.D
Operator :
Instrument : Kenny
Acquired : 02 Mar 2017 14:39 using AcqMethod GC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



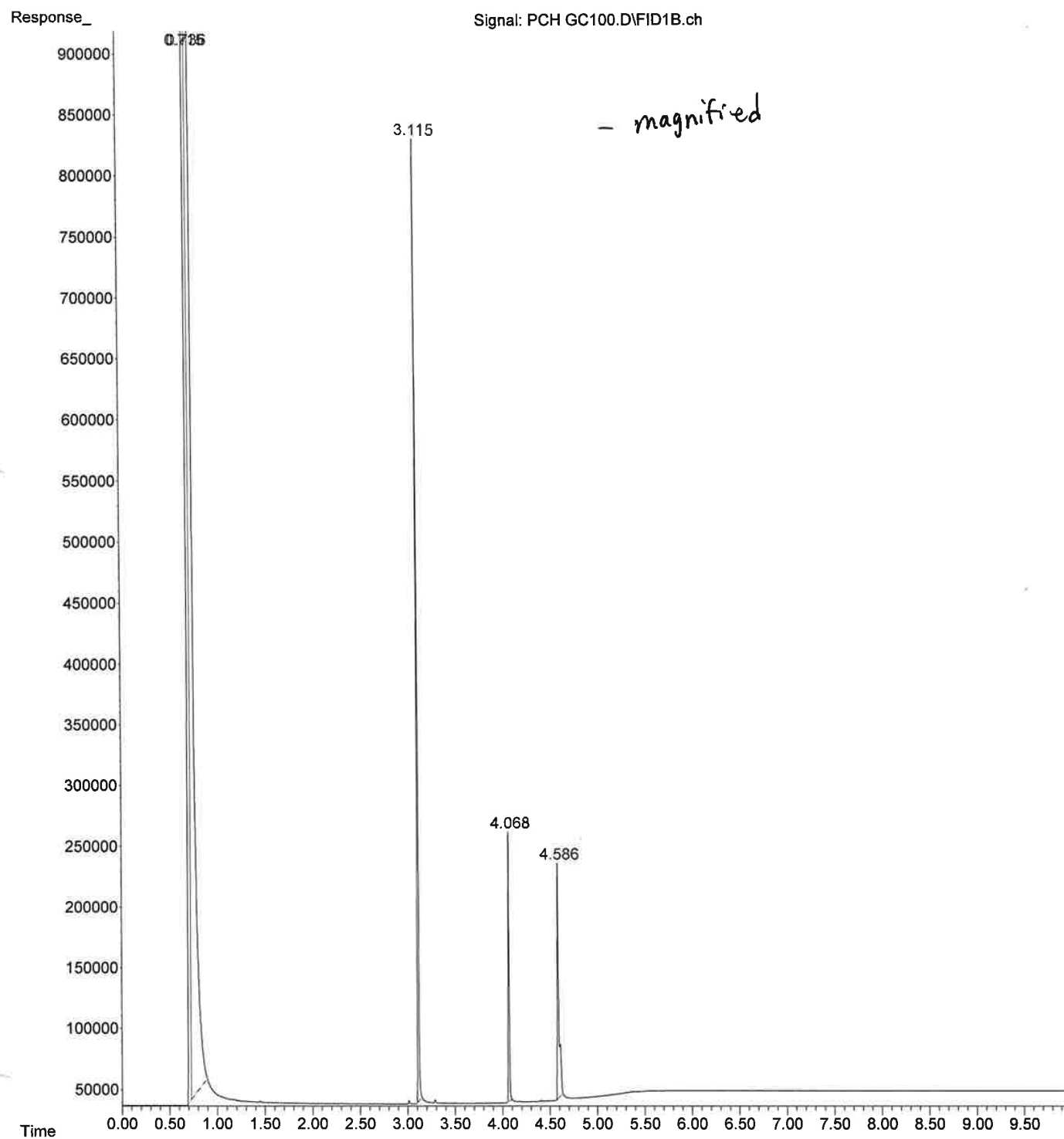
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AMP GC100
... 3.D
Operator :
Instrument : Kenny
Acquired : 02 Mar 2017 14:39 using AcqMethod GC100.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 100-280c @70c/min for 10 min



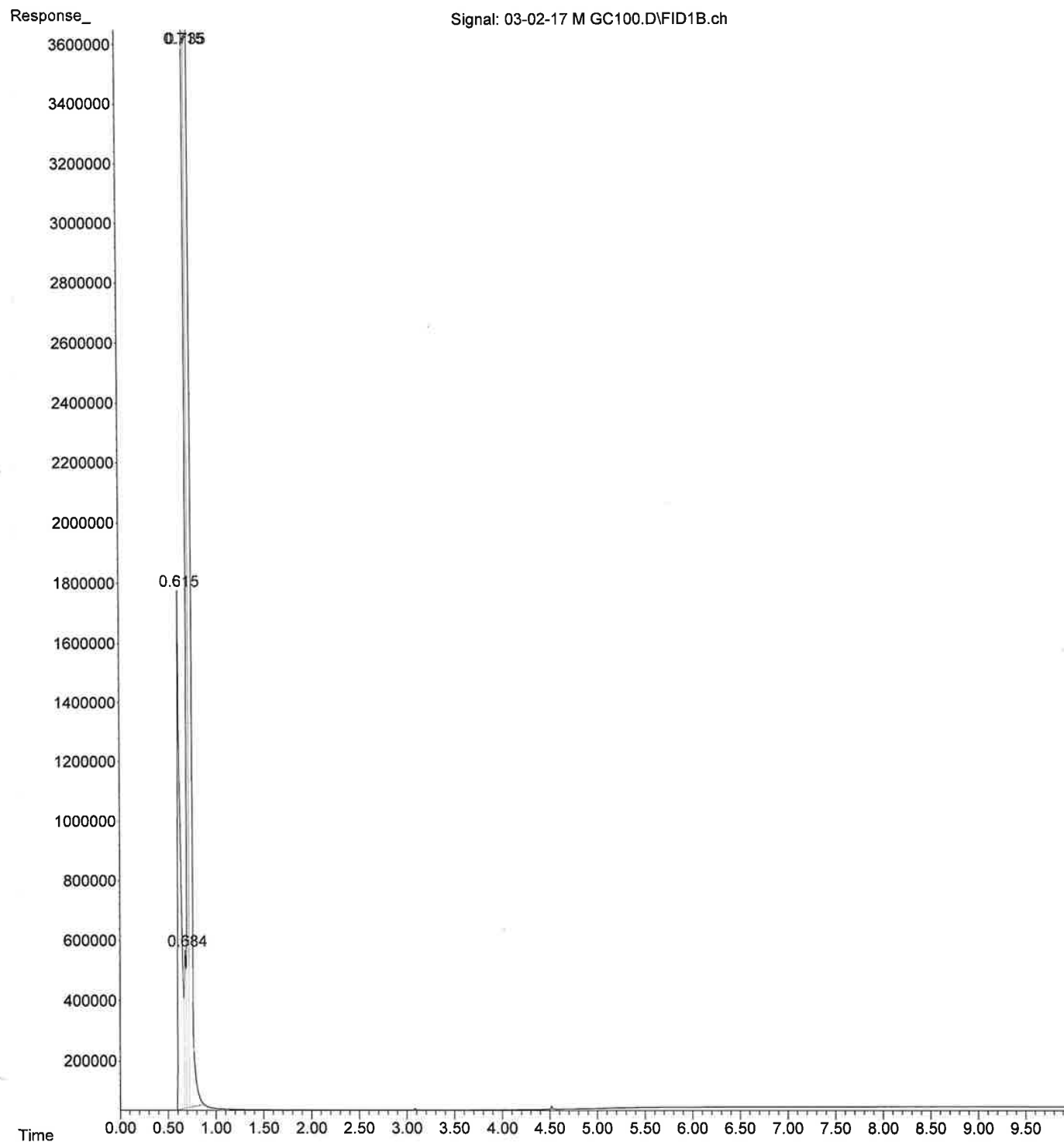
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... C GC100 2.D
Operator :
Instrument : Kenny
Acquired : 02 Mar 2017 14:27 using AcqMethod GC100.M
Sample Name: Chloroform Blank 3/2/17
Misc Info : Chloroform 100-280c @70c/min for 10 min



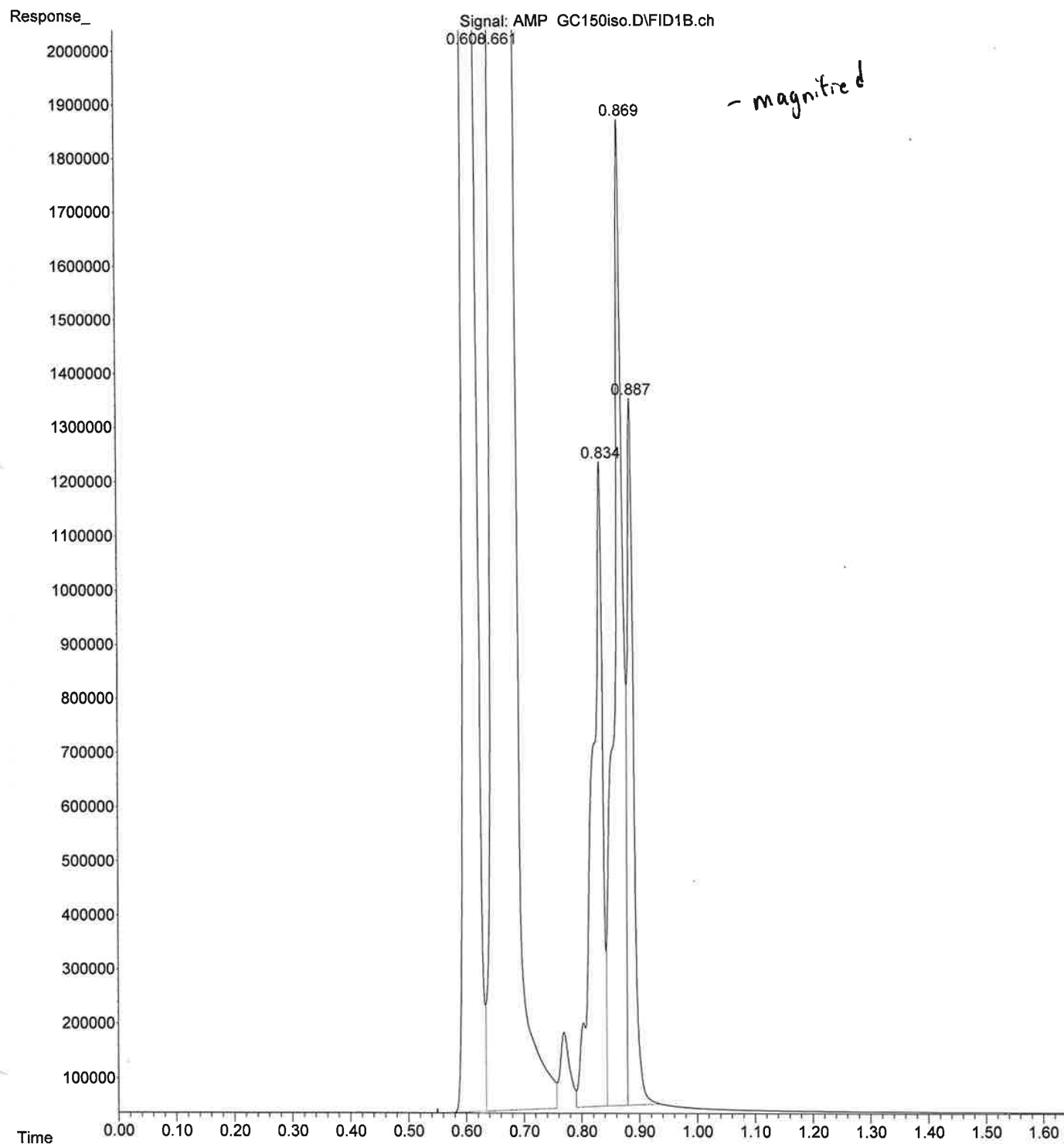
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH GC100
... .D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 08:23 using AcqMethod GC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c/min for 10 minutes



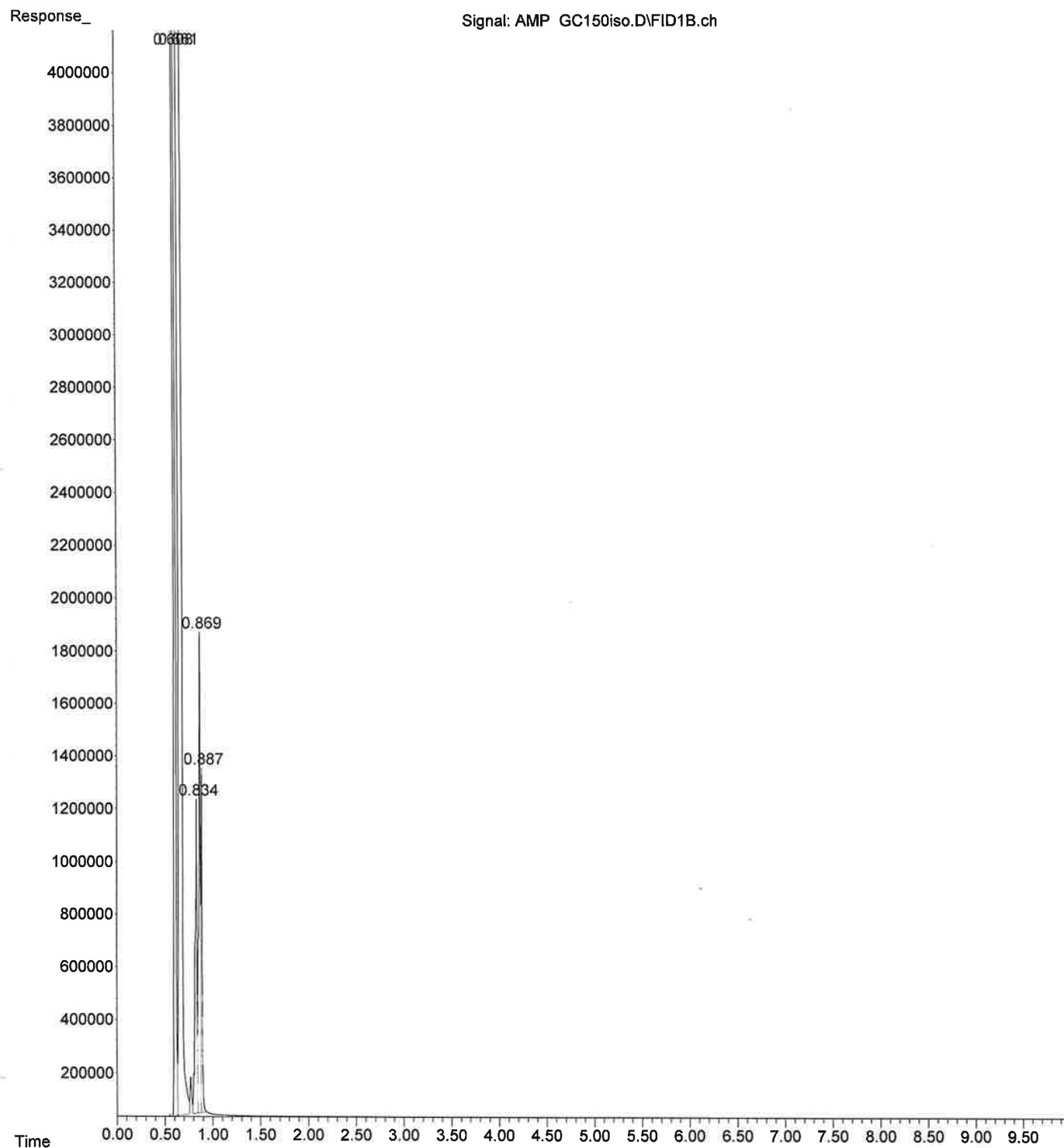
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M GC100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 08:10 using AcqMethod GC100.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 100-280c @70c/min for 10 minutes



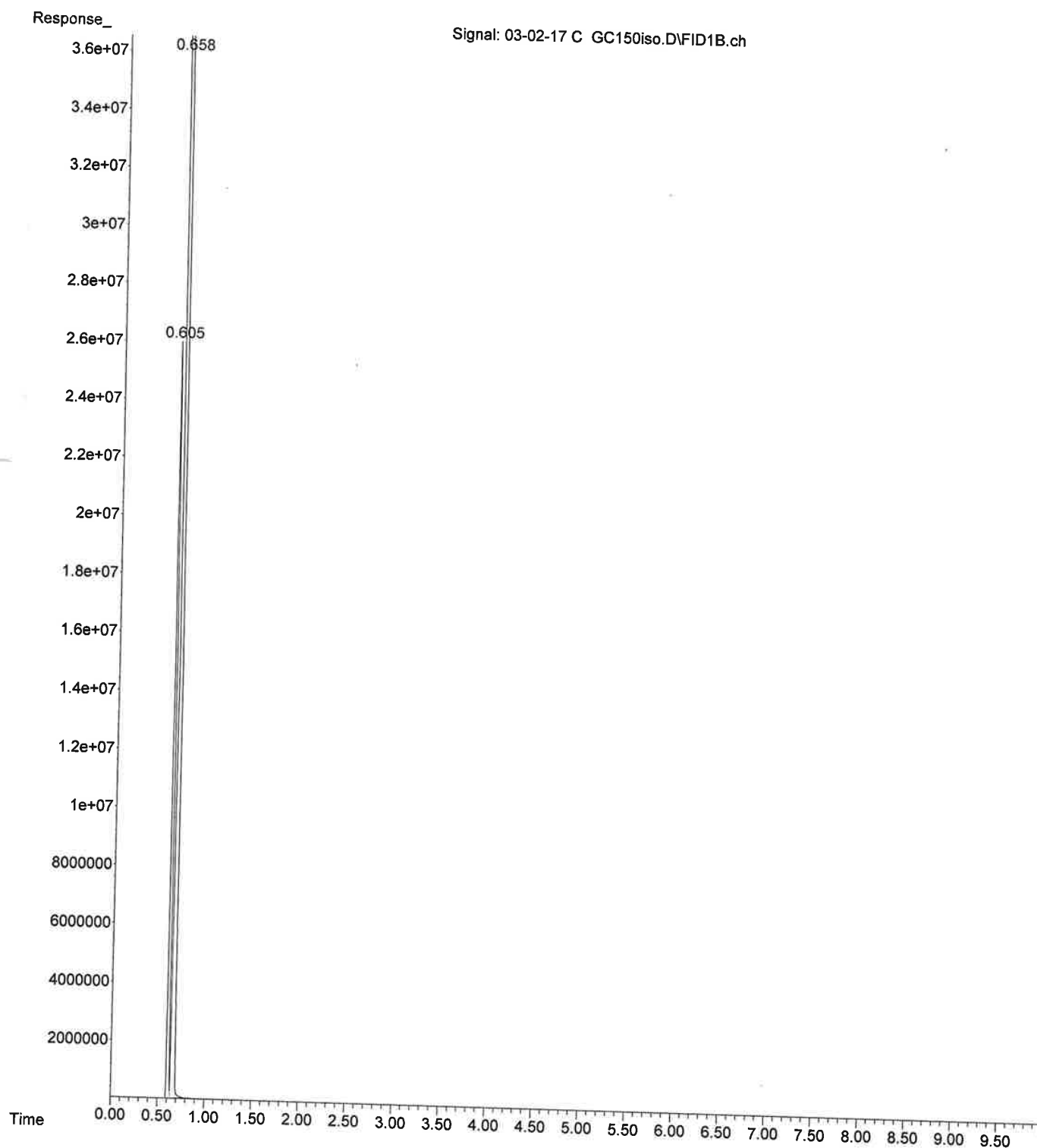
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AMP GC15
... 0iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 10:18 using AcqMethod GC150iso.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 minutes



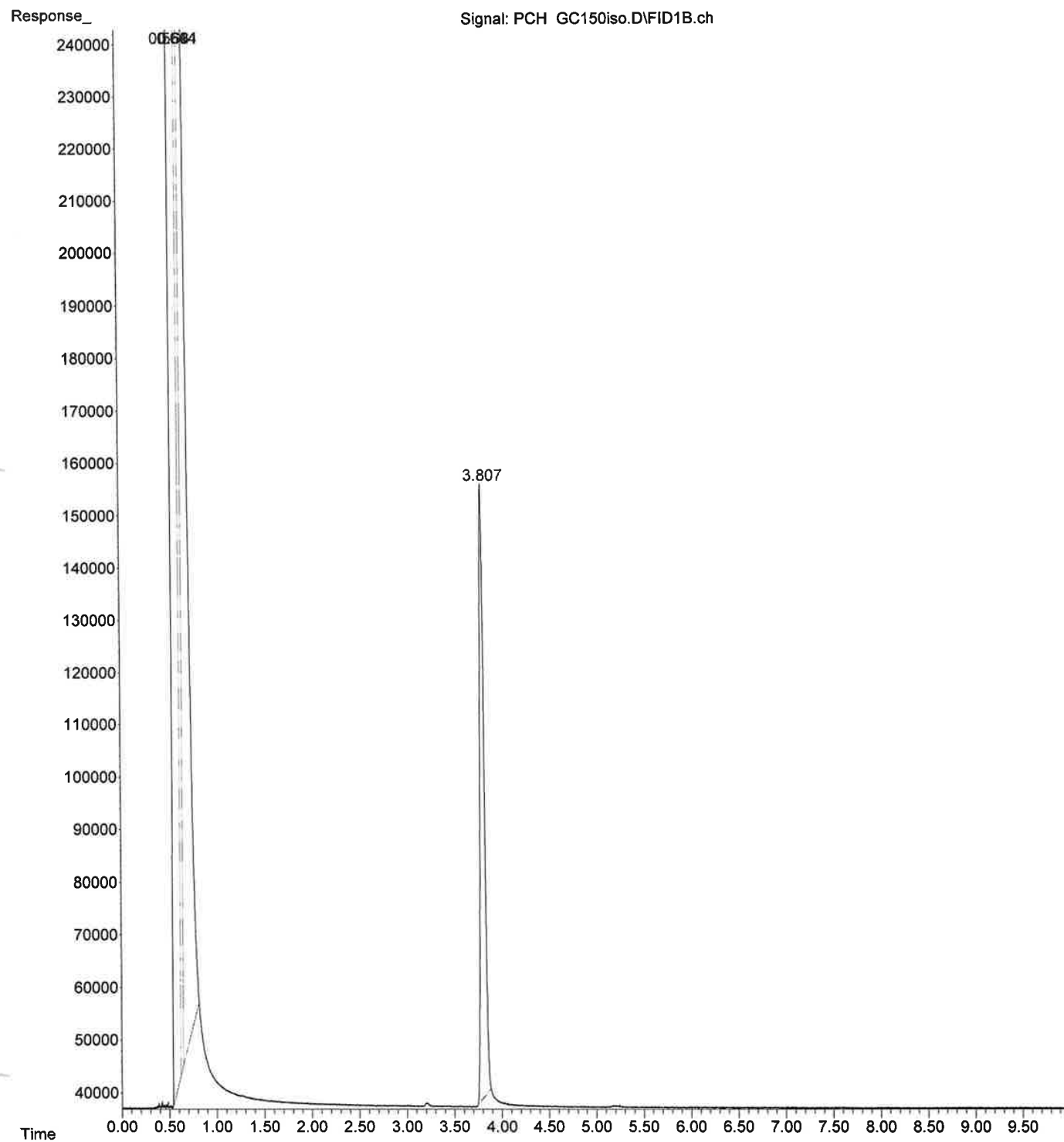
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AMP GC15
... 0iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 10:18 using AcqMethod GC150iso.M
Sample Name: Amphetamine, Methamphetamine, Phentermine
Misc Info : Chloroform 150c for 10 minutes



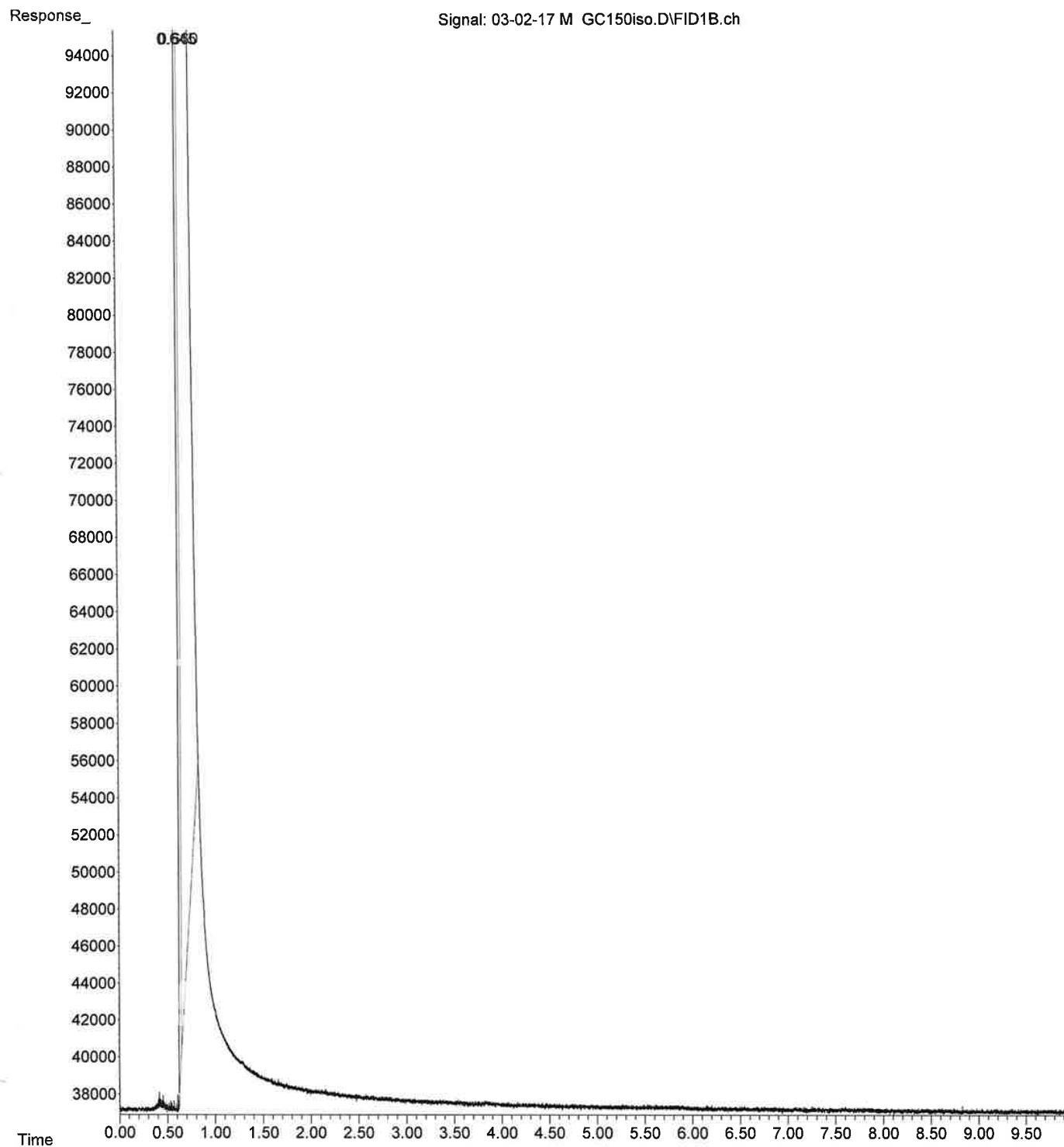
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... C GC150iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 10:06 using AcqMethod GC150iso.M
Sample Name: Chloroform blank 3/2/17
Misc Info : Chloroform 150c for 10 minutes



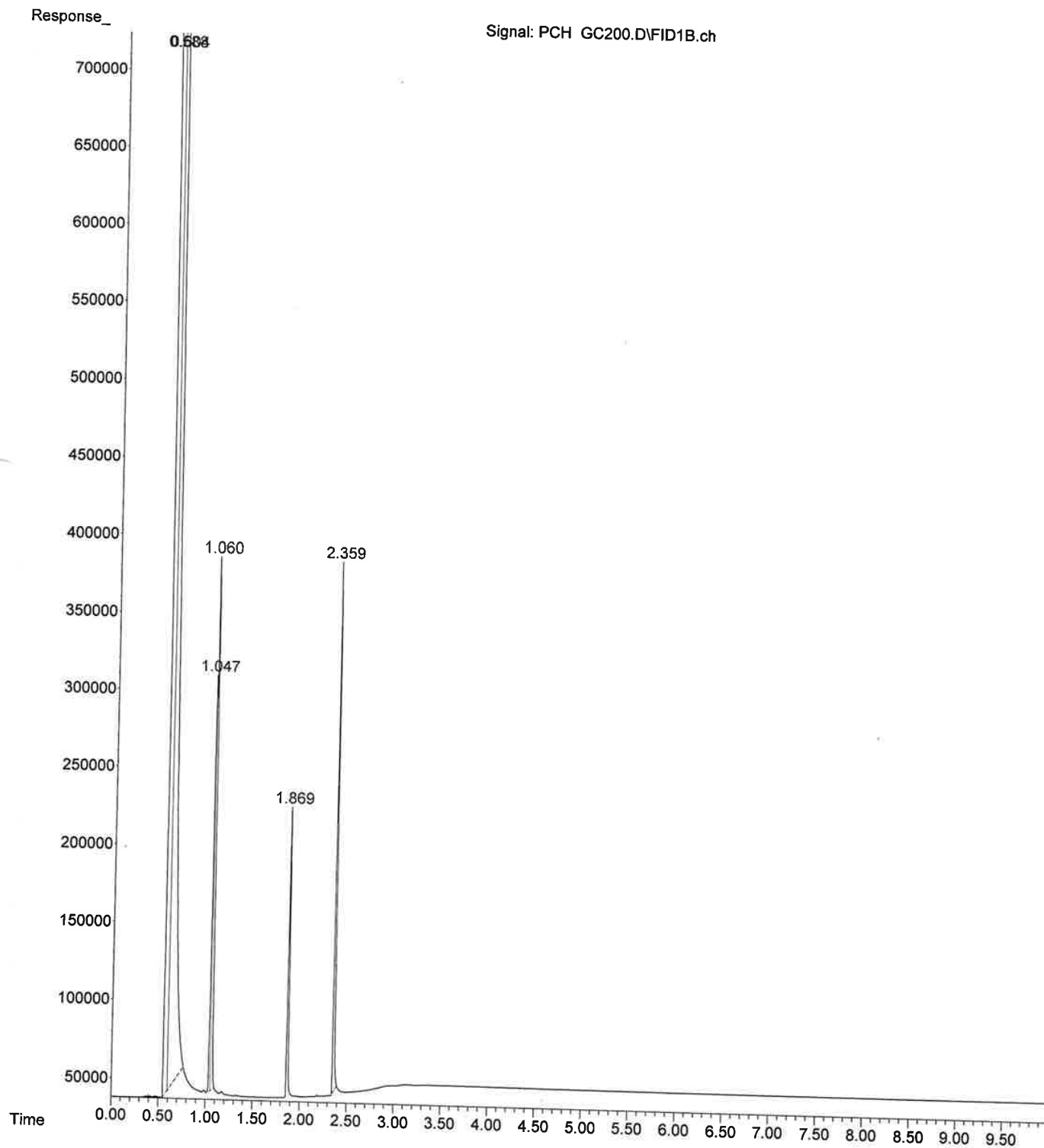
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH GC15
... 0iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 09:54 using AcqMethod GC150iso.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10 minutes



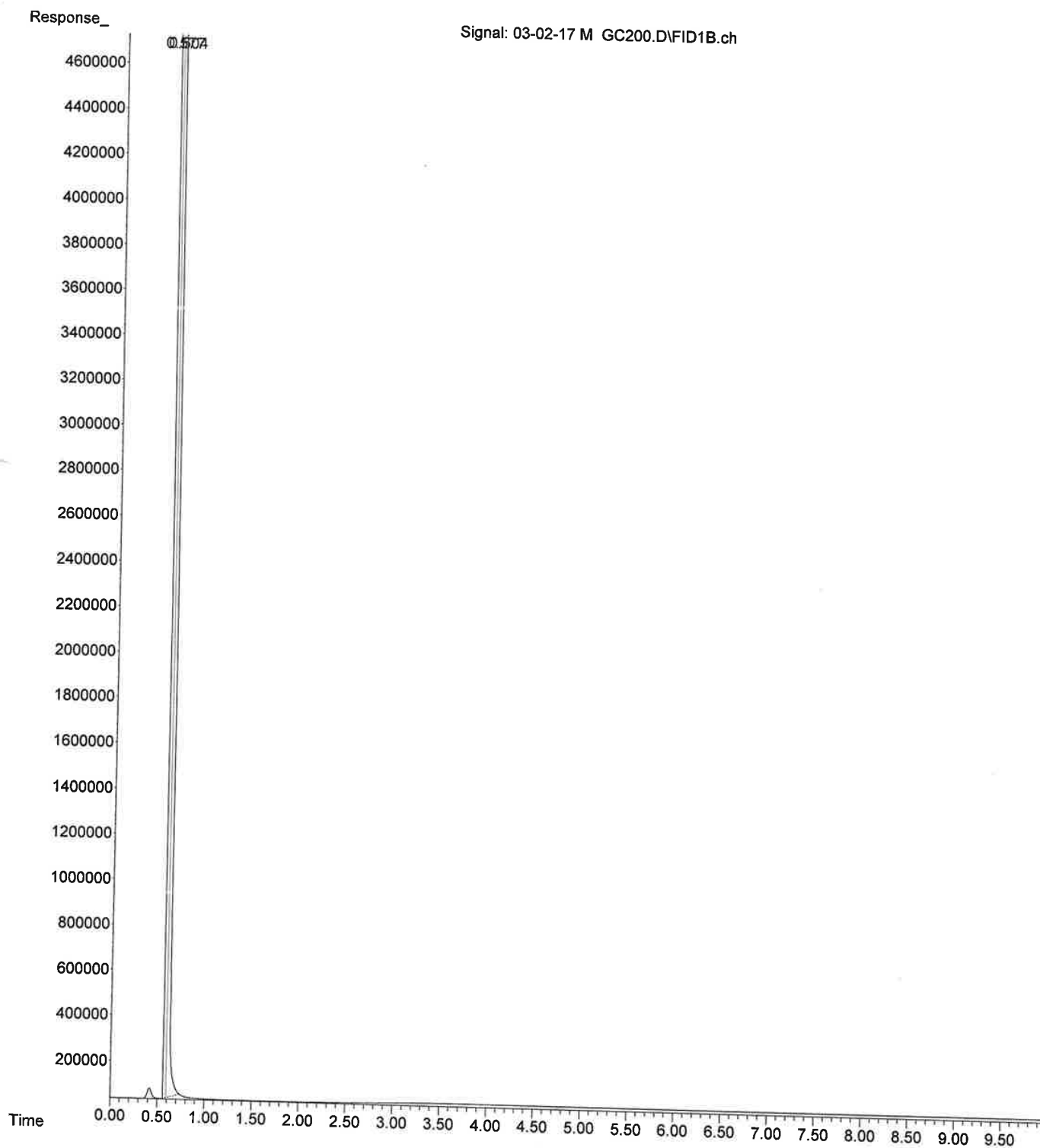
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... M GC150iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 09:42 using AcqMethod GC150iso.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 150c for 10 minutes



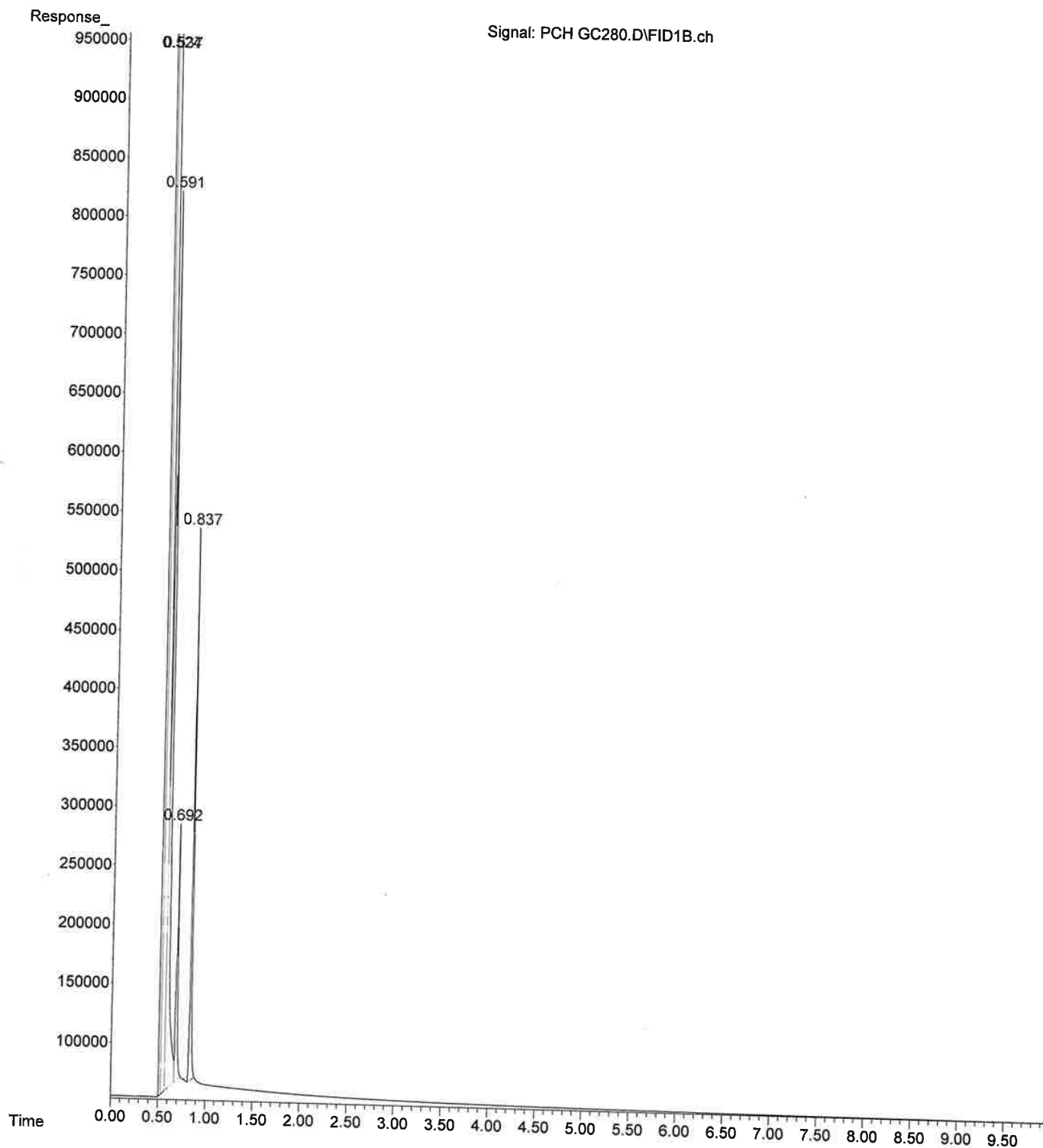
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH GC20
... 0.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 10:46 using AcqMethod GC200.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 200-280c @70c/min for 10 minutes



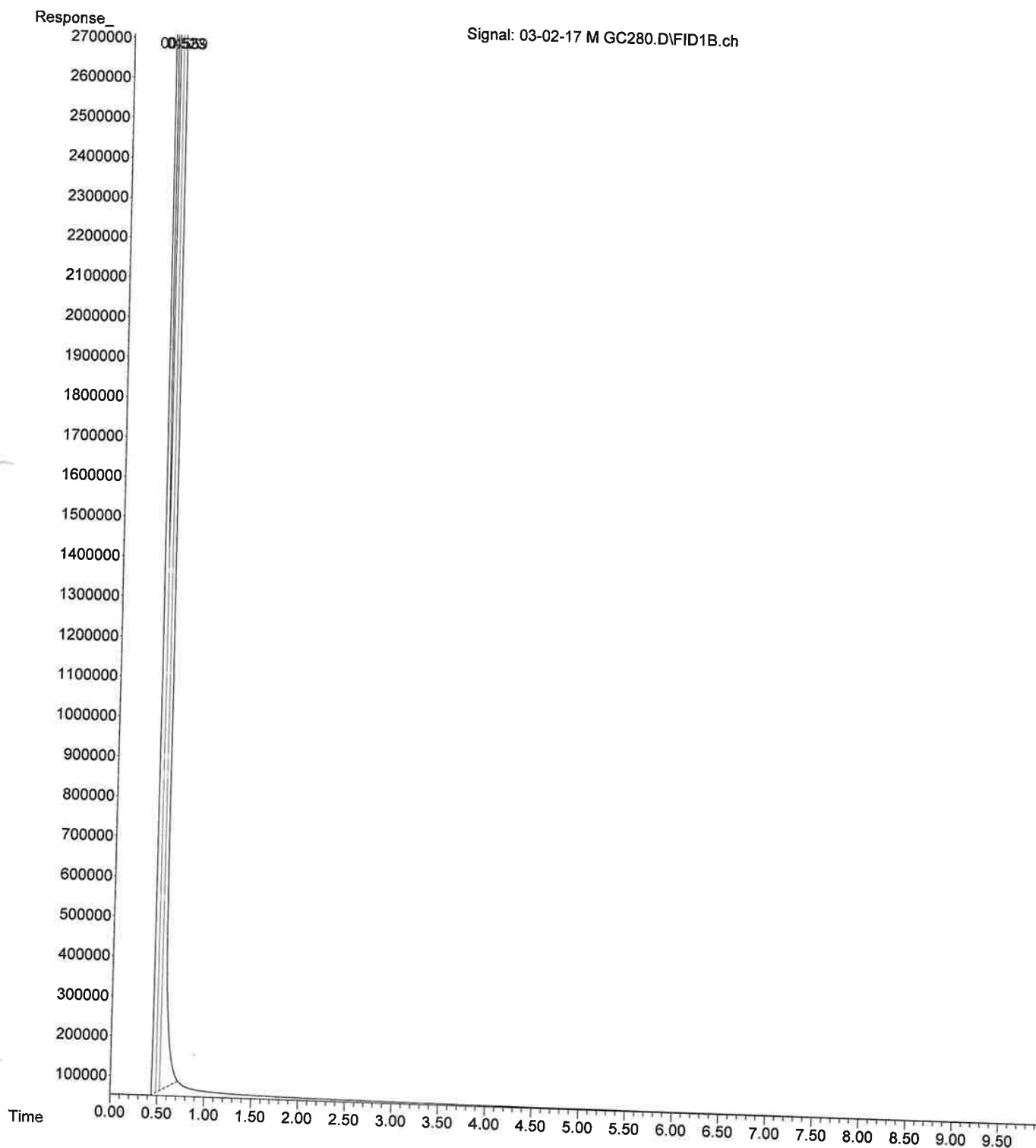
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M GC200.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 10:33 using AcqMethod GC200.M
Sample Name: Methanol Blank
Misc Info : Methanol 200-280c @70c/min for 10 minutes



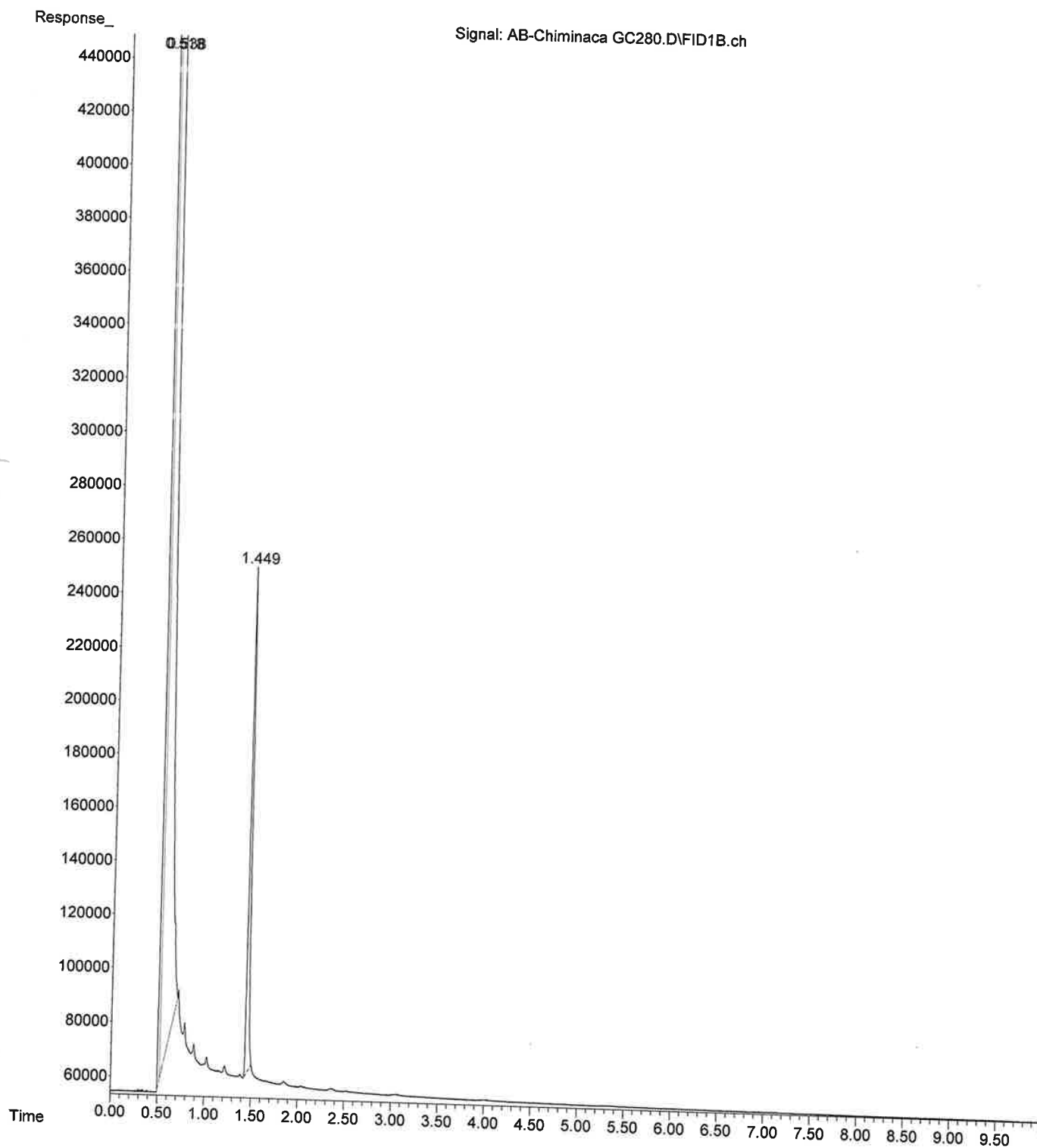
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH GC280
... .D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 13:16 using AcqMethod GC280iso.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 280c for 10 minutes



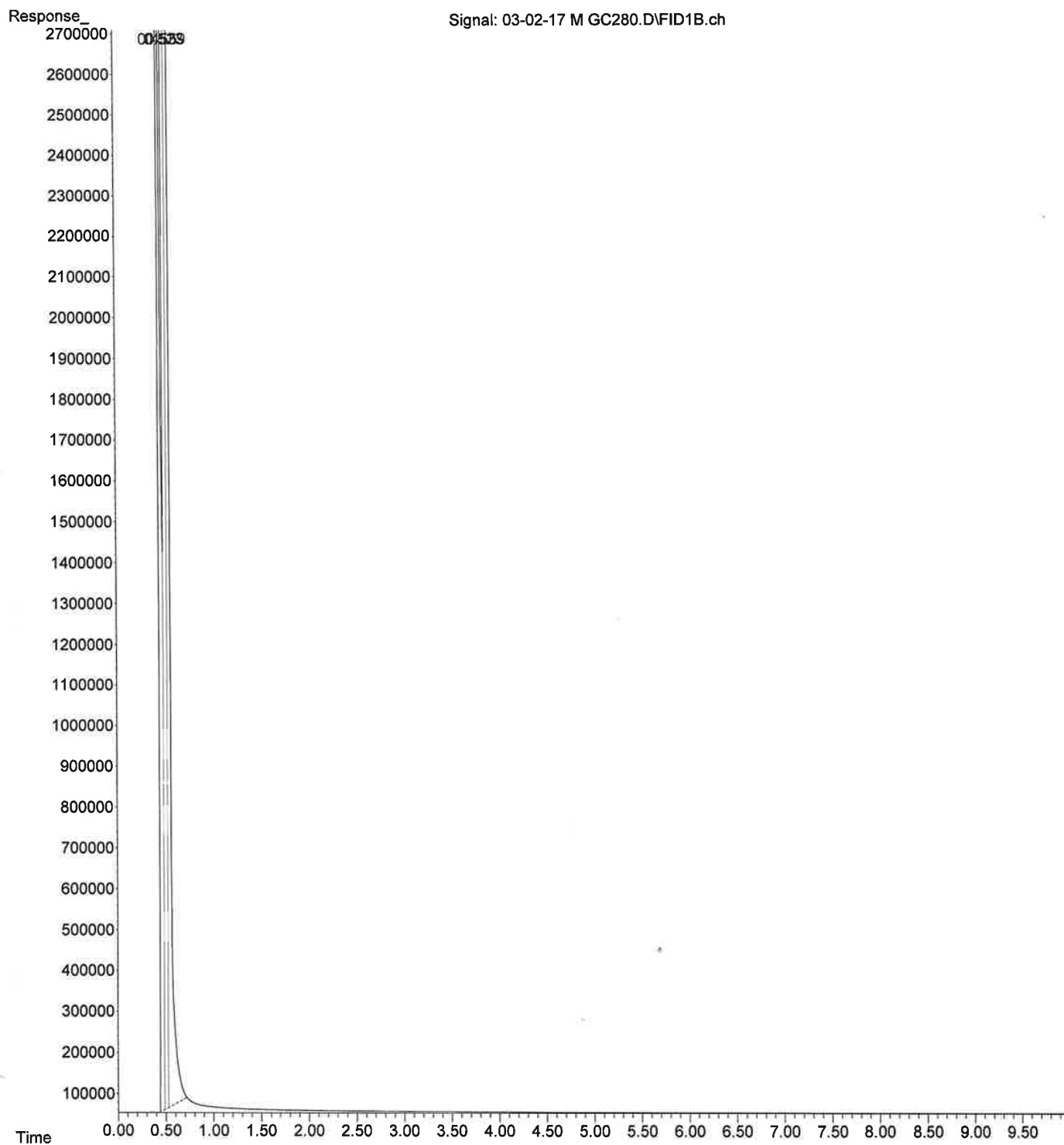
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M GC280.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 13:05 using AcqMethod GC280iso.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 280c for 10 minutes



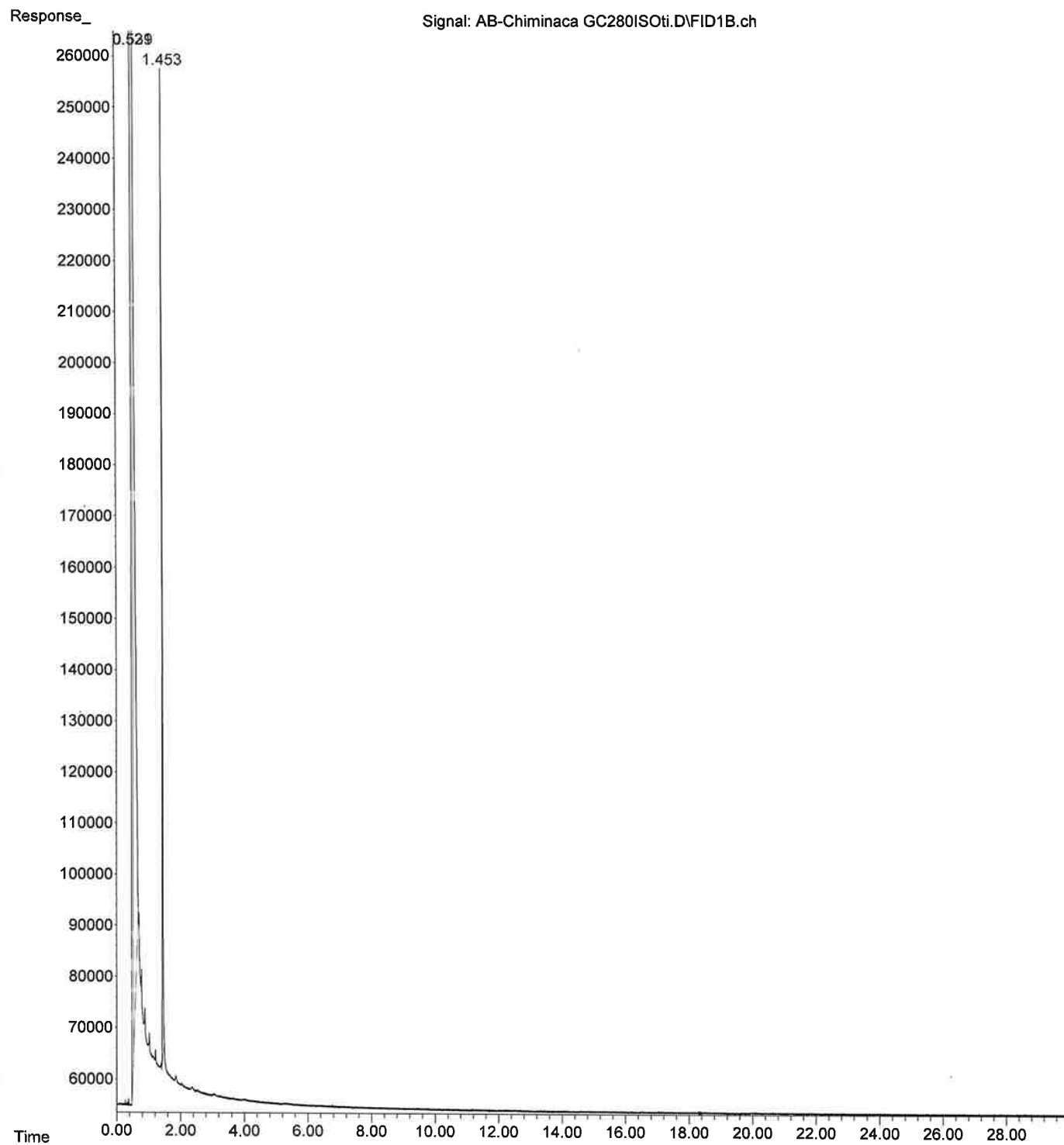
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AB-Chimin
... aca GC280.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 13:35 using AcqMethod GC280iso.M
Sample Name: Ab-Chiminaca Std
Misc Info : Methanol 280c for 10 minutes



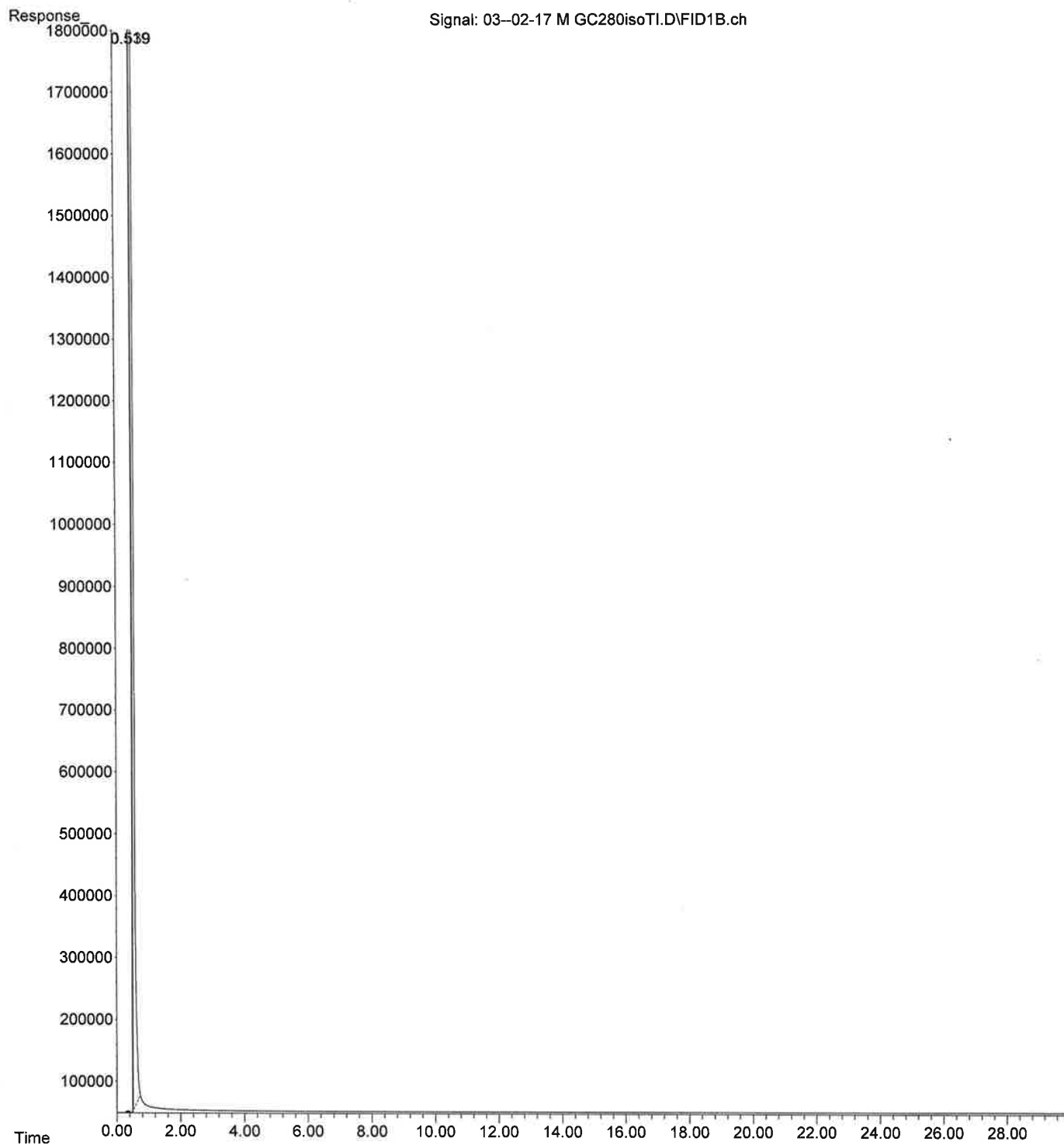
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M GC280.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 13:05 using AcqMethod GC280iso.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 280c for 10 minutes



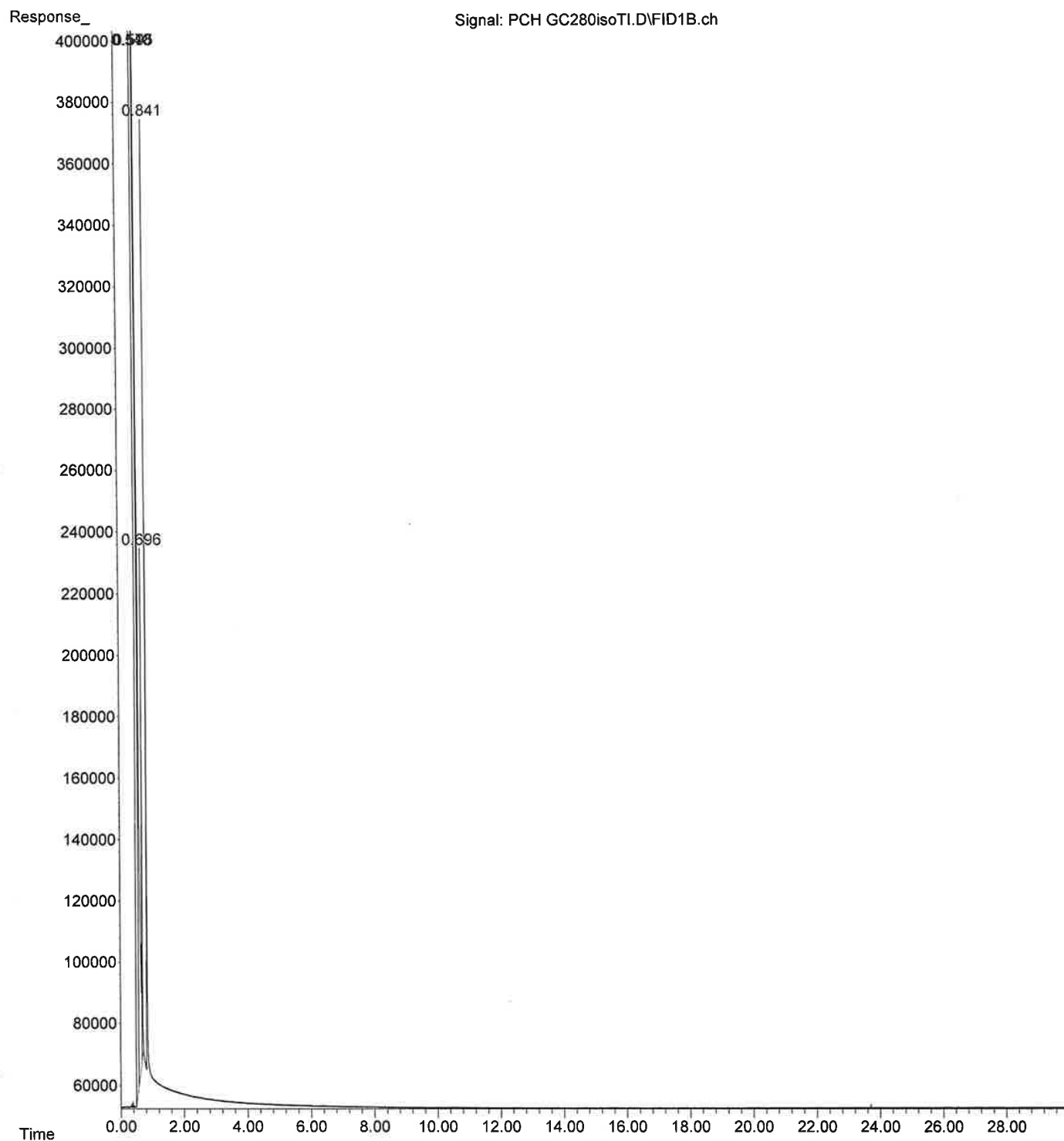
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AB-Chimin
... aca GC280IS0ti.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 12:31 using AcqMethod GC280IS0TI.M
Sample Name: AB-Chiminaca
Misc Info : Methanol 280c for 30 minutes



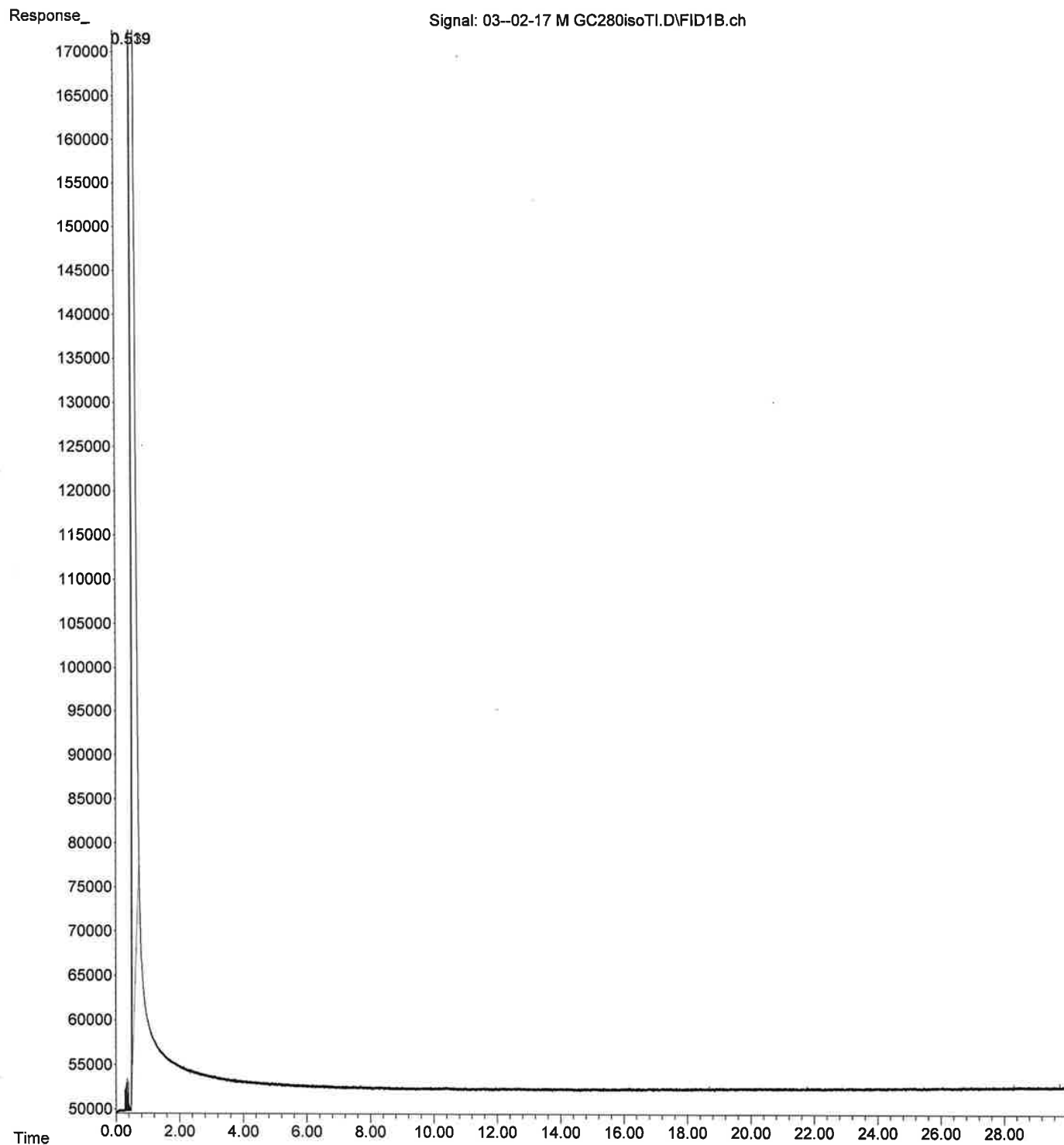
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03--02-17
... M GC280isoTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 11:01 using AcqMethod GC280ISOTI.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 280c for 30 minutes



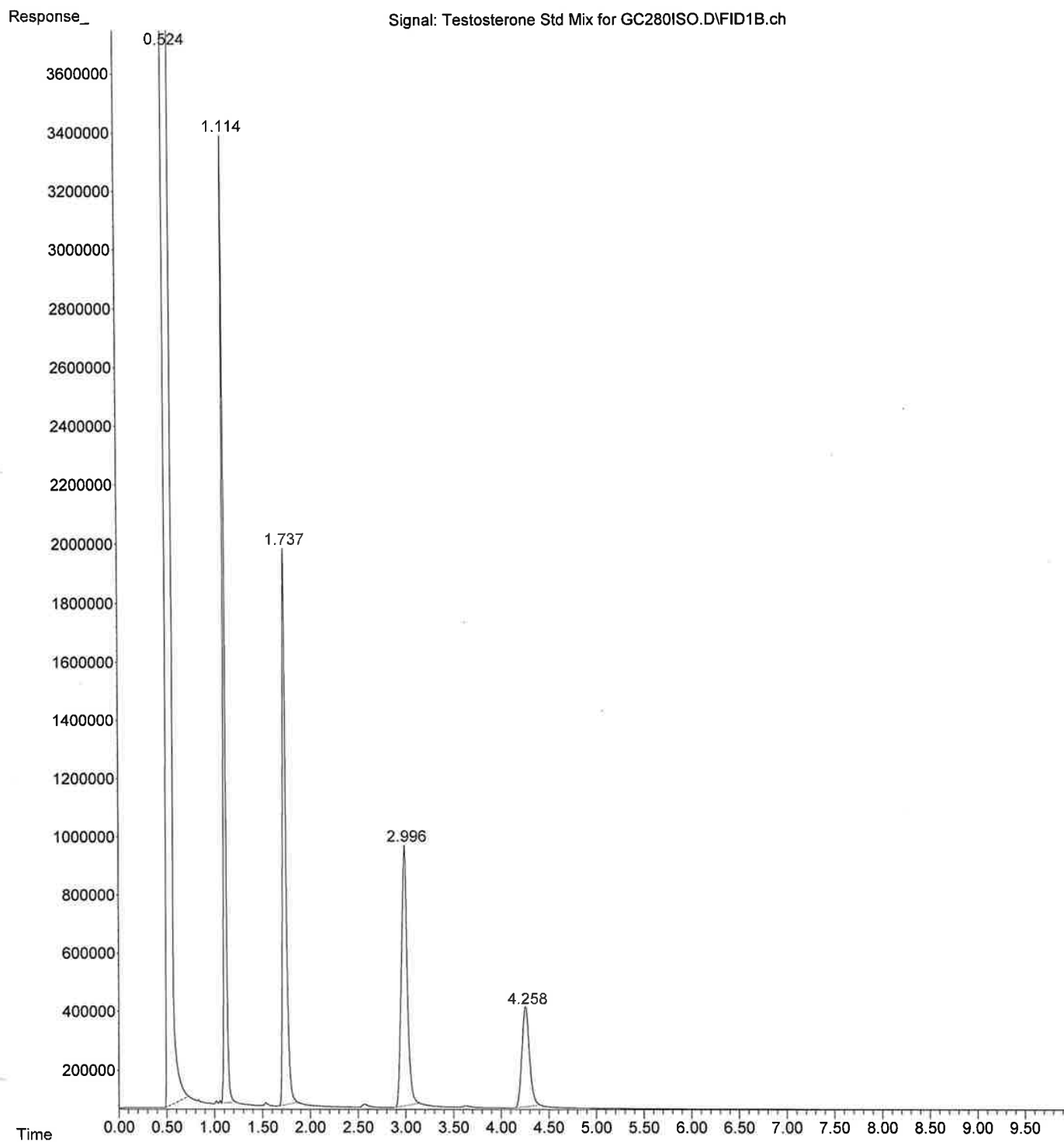
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH GC280
... isoTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 11:43 using AcqMethod GC280IS0TI.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 280c for 30 minutes



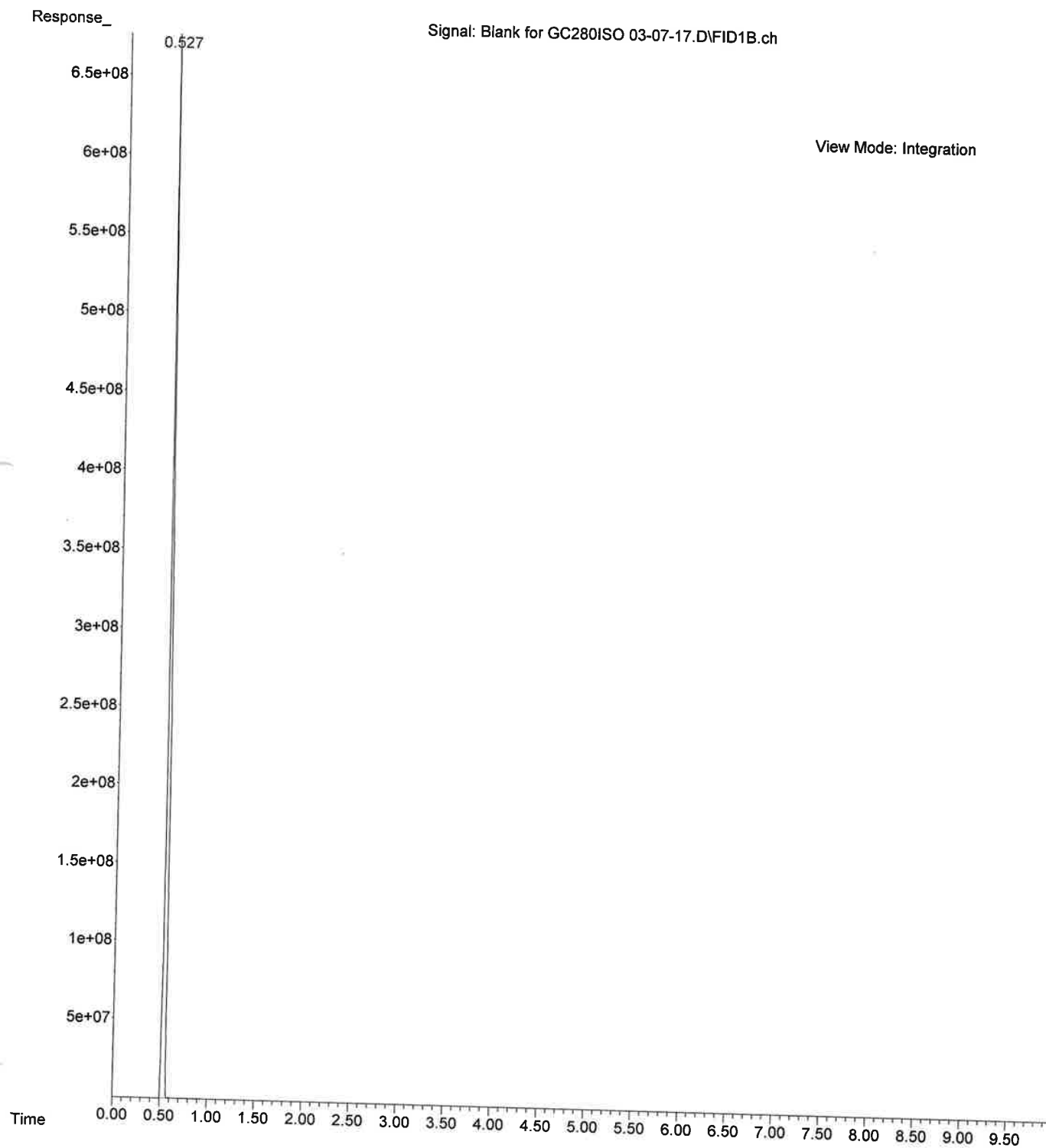
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03--02-17
... M GC280isoTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 11:01 using AcqMethod GC280ISOTI.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 280c for 30 minutes



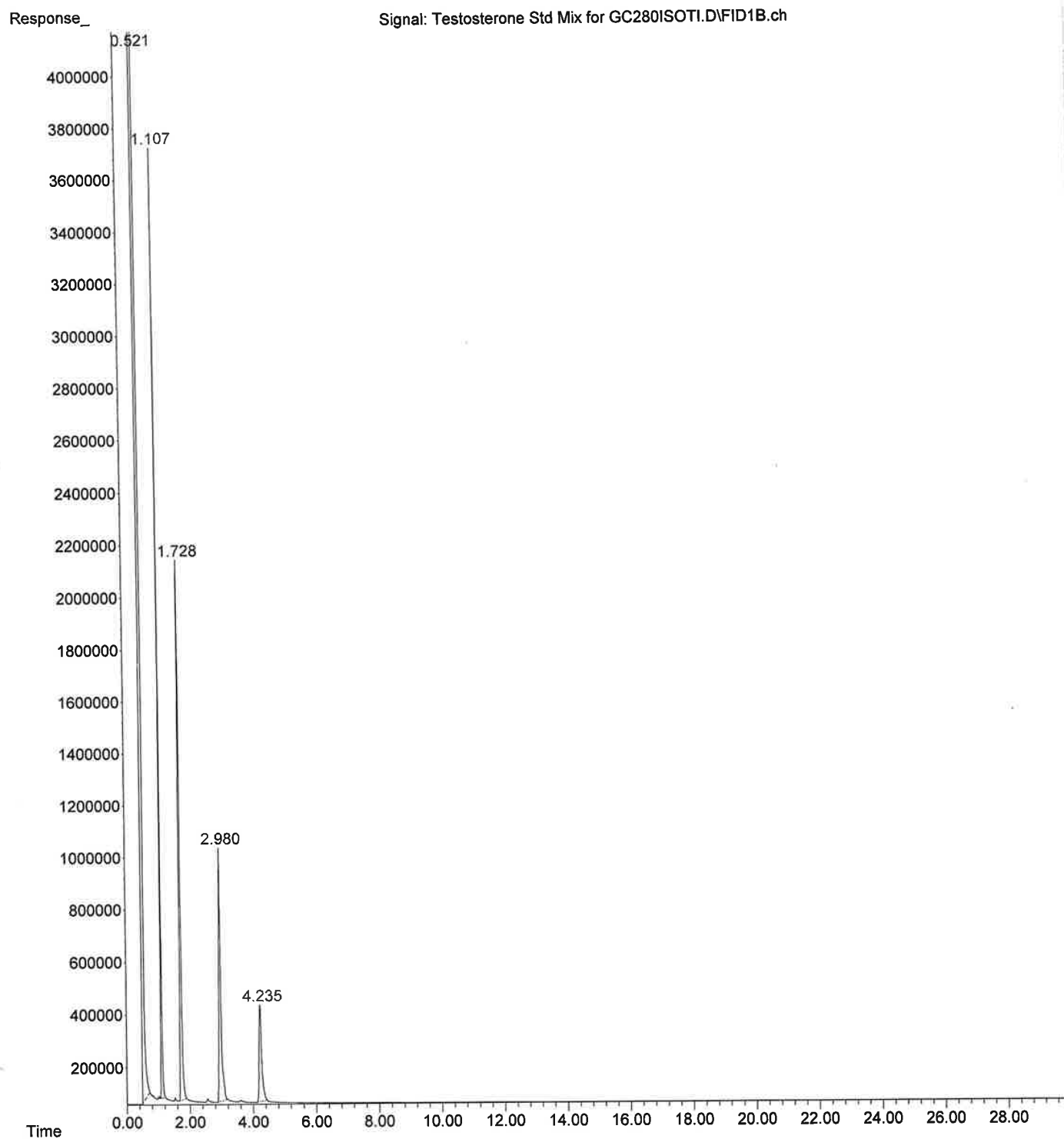
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Testoster
... one Std Mix for GC280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 10:02 using AcqMethod GC280iso.M
Sample Name: Tes Mix for GC280ISO
Misc Info : Validation for GC280ISO



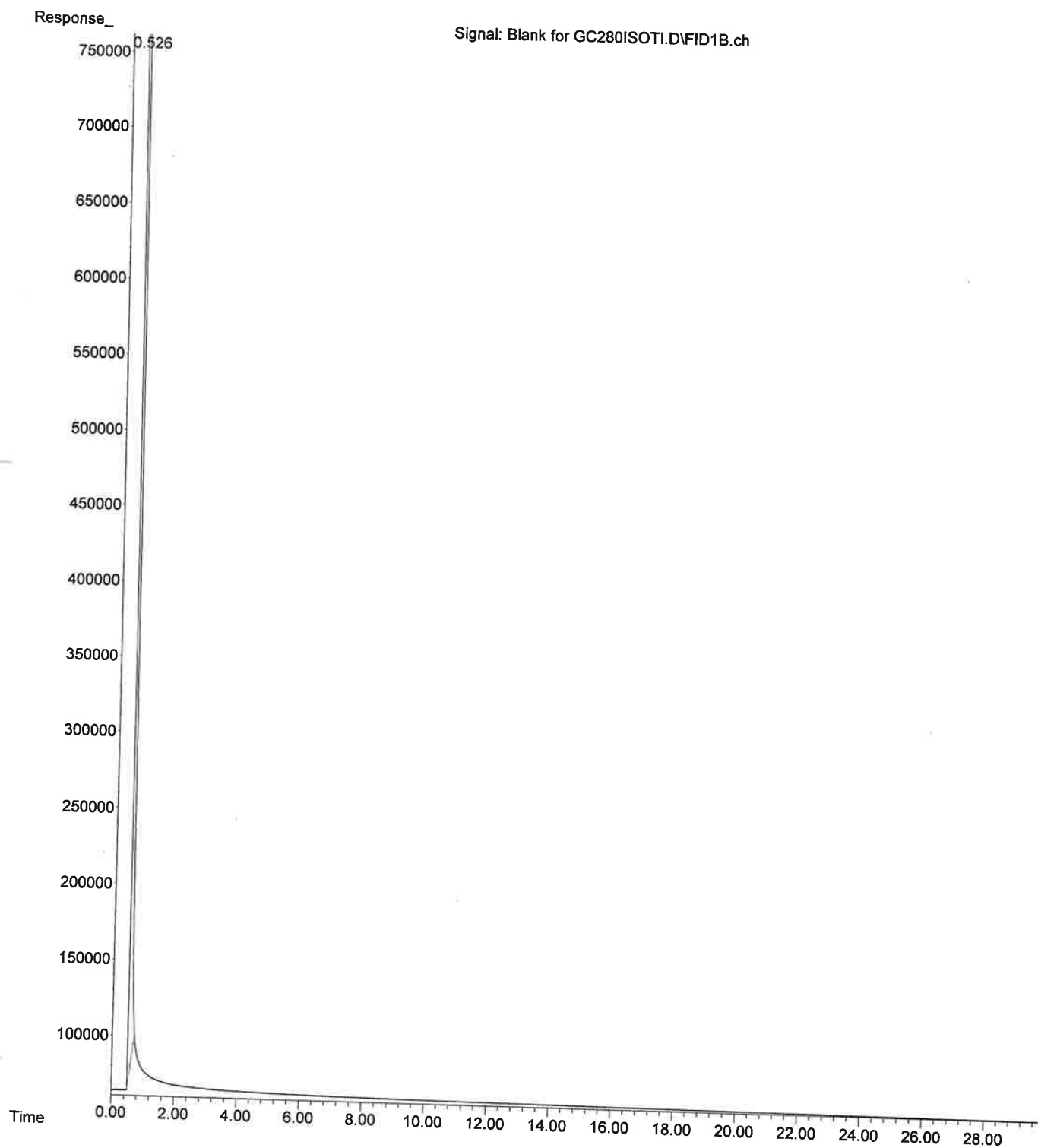
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Blank for
... GC280ISO 03-07-17.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 09:45 using AcqMethod GC280iso.M
Sample Name: LJ MeOH Blank for GC280ISO
Misc Info : Validation Blank for GC280ISO



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Testoster
... one Std Mix for GC280ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 11:17 using AcqMethod GC280ISOTI.M
Sample Name: Test Mix for GC280ISOTI
Misc Info : Validation for GC280ISOTI



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Blank for
... GC280ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 10:43 using AcqMethod GC280ISOTI.M
Sample Name: LJ MeOH Blank for GC280ISOTI
Misc Info : Validation Blank for GC280ISOTI



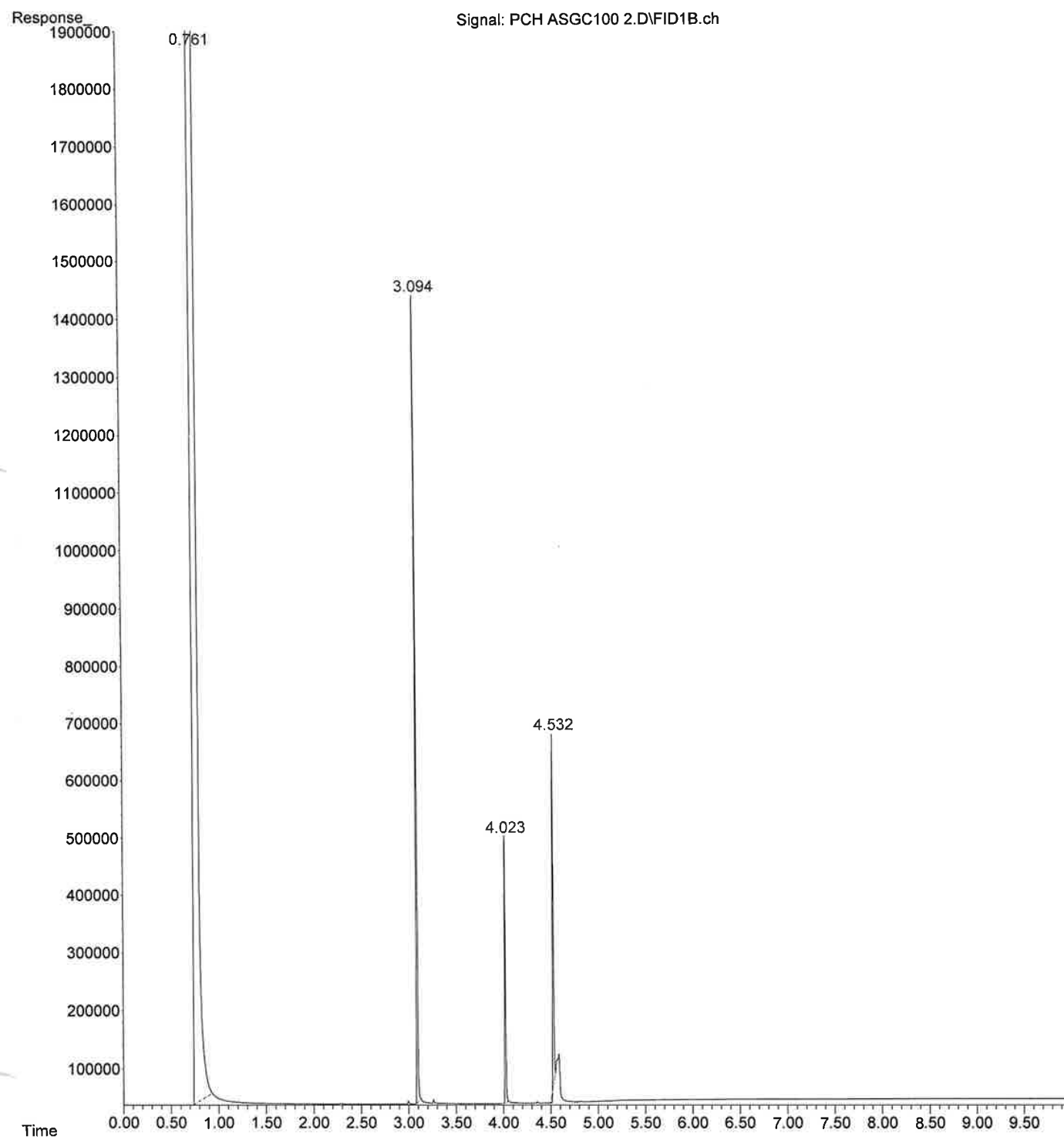
KENNY Summary: ASGC Retention times

<u>Compounds</u>	<u>Methods</u>				
	ASGC100	ASGC200	ASGC150ISO	ASGC280ISO	ASGC280ISOTI
Amphetamine	1.580	-	0.880	-	-
Phentermine	1.679	-	0.915	-	-
Methamphetamine	1.743	-	0.935	-	-
Pethidine	3.218	1.134	4.020	0.660	0.660
Cocaine	4.178	1.912	*	0.765	0.765
Hydrocodone	4.708	2.389	*	0.922	0.923
AB-Chiminaca	-	-	-	1.532	1.565
Testosterone Acetate	-	-	-	1.147	1.130
Testosterone Isocaproate	-	-	-	1.771	1.746
Testosterone Benzoate	-	-	-	3.022	2.982
Testosterone Undecanoate	-	-	-	4.298	4.243

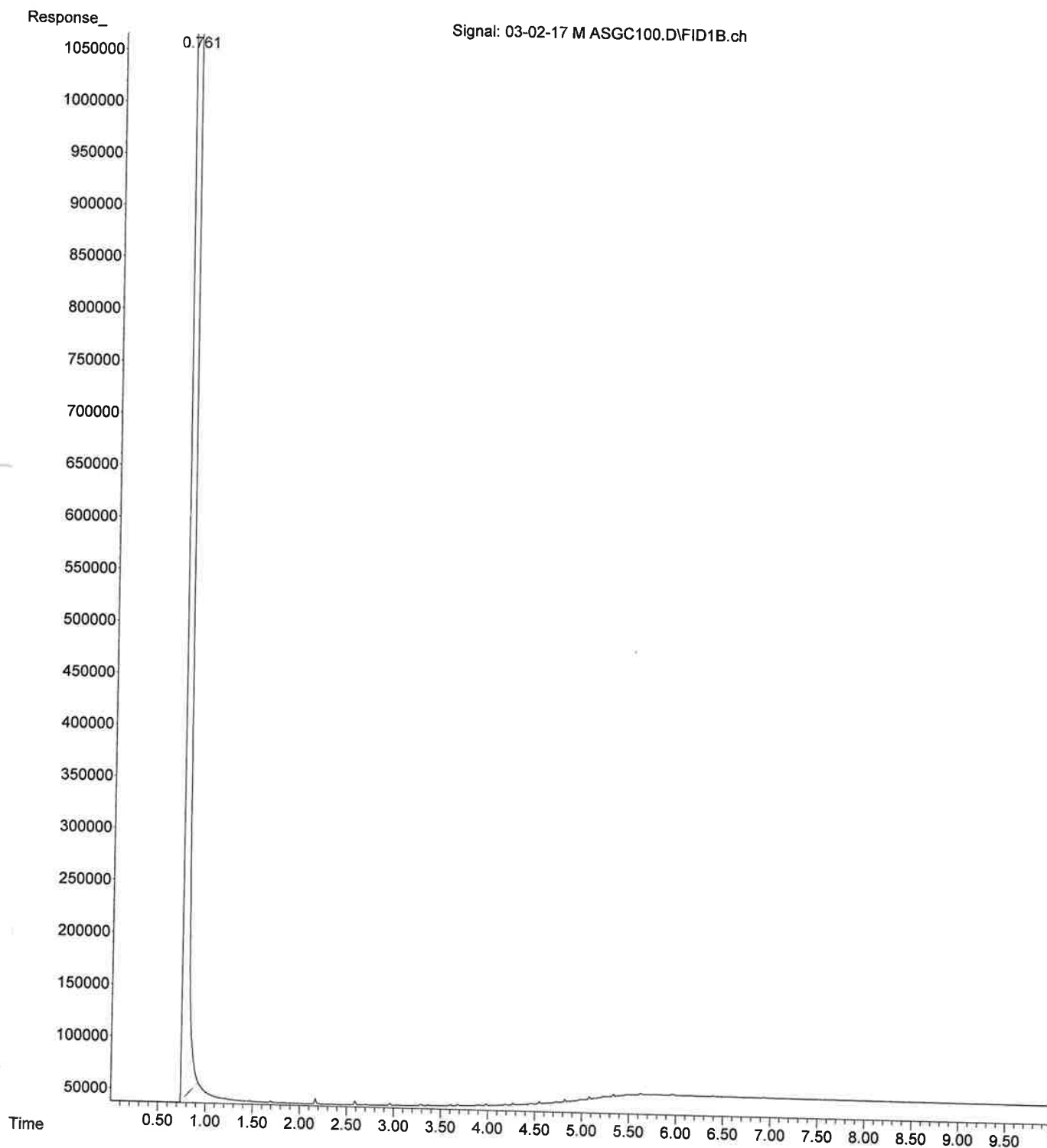
- = Compounds not run on method

* = GC chromatographs had 2 prominent peaks or less (unable to attribute identification to suspected compound peaks)

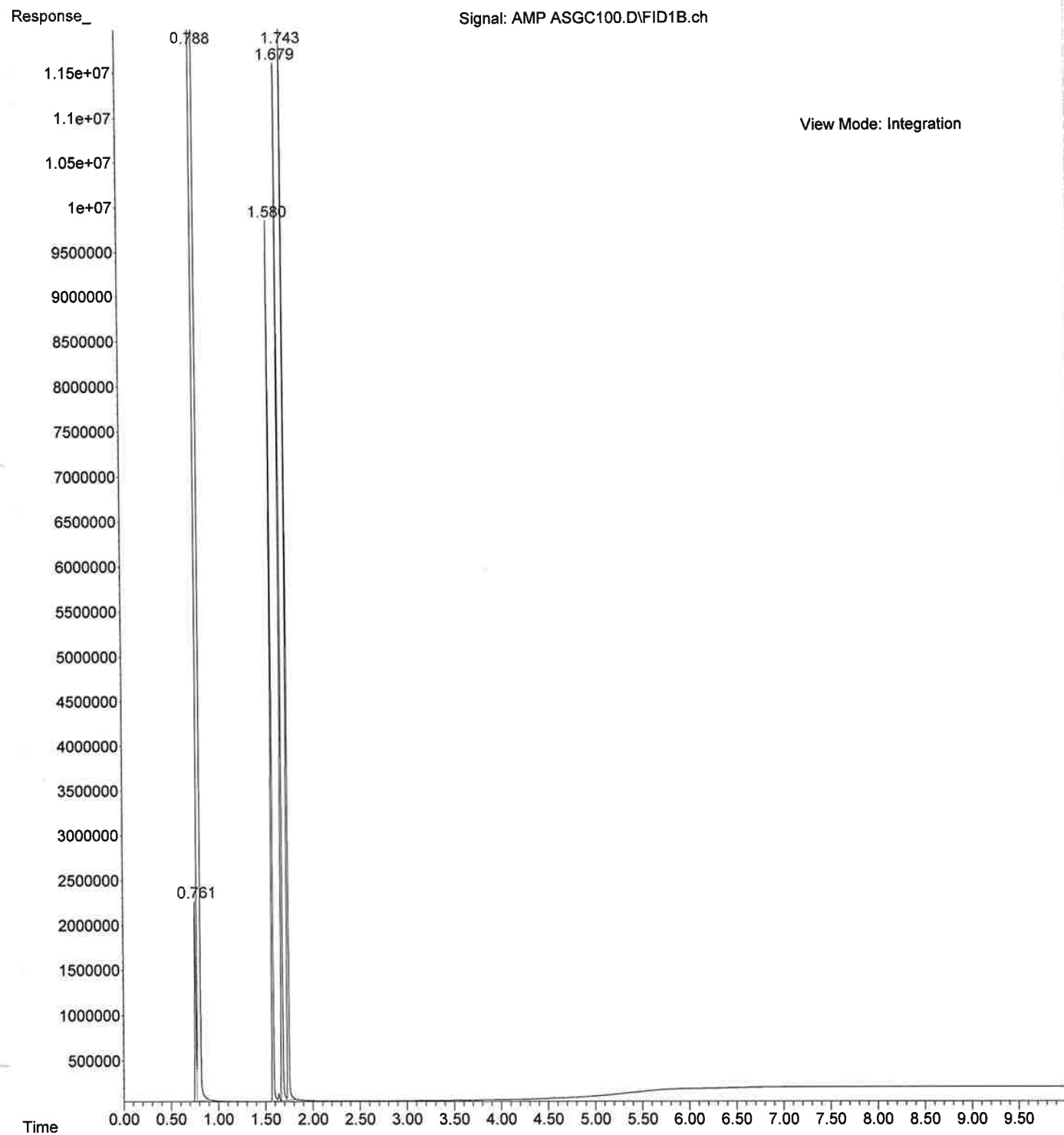
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH ASGC1
... 00 2.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 07:53 using AcqMethod ASGC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c /min for 10 min



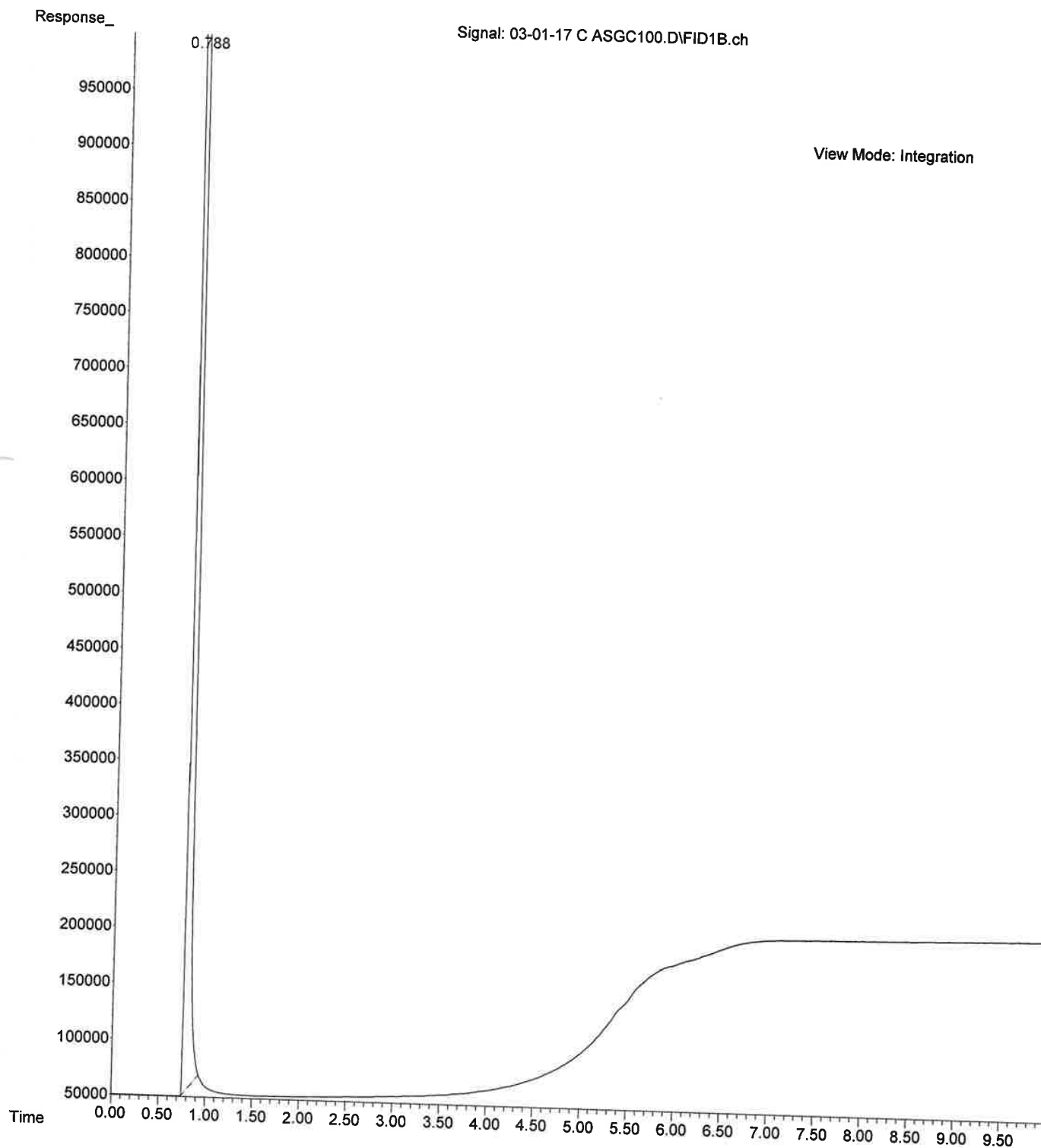
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M ASGC100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 06:52 using AcqMethod ASGC100.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 100-280c @70c /min for 10 min



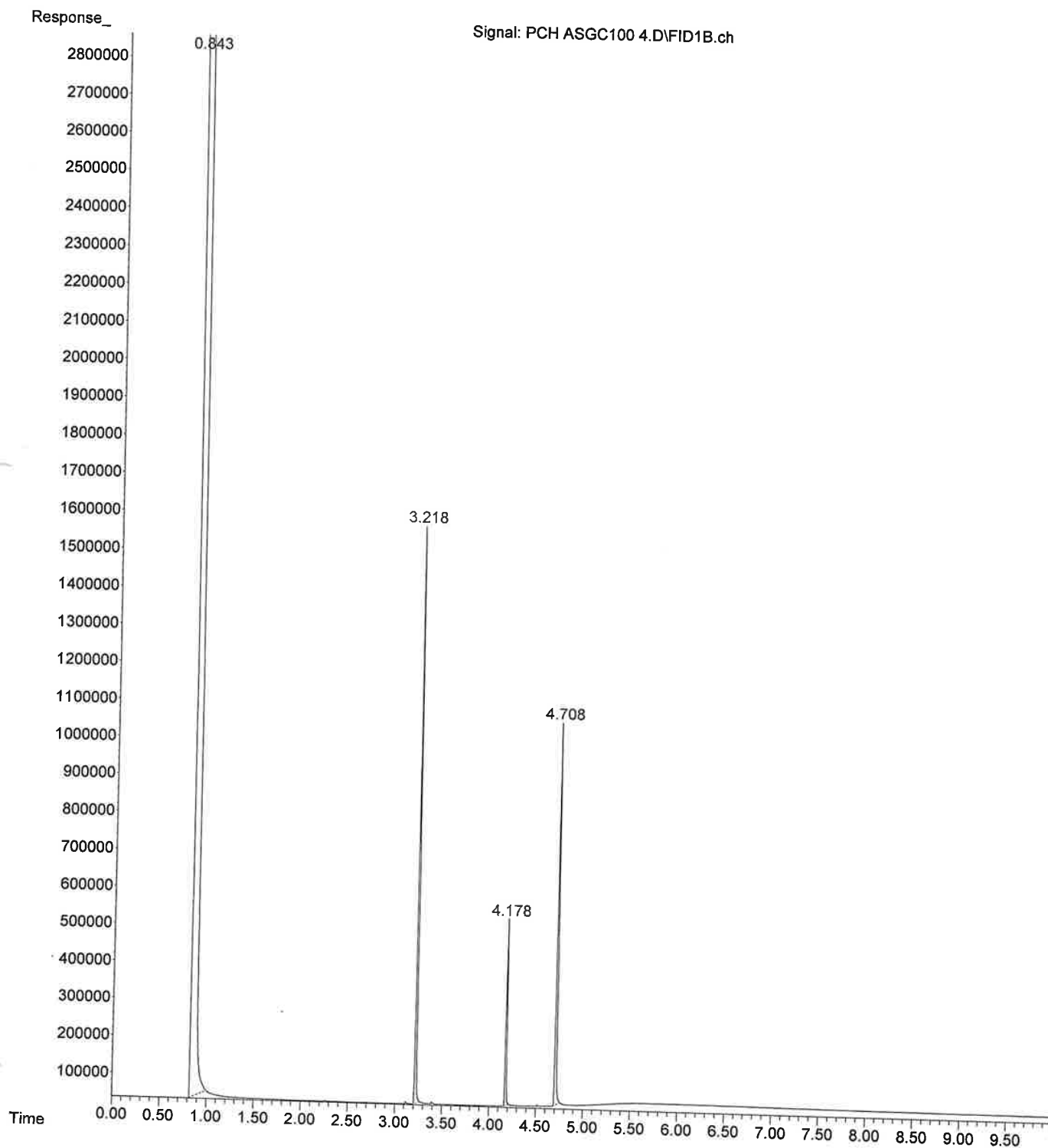
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\AMP ASGC1
... 00.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 11:24 using AcqMethod ASGC100.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 100-280c @70c /min for 10 min



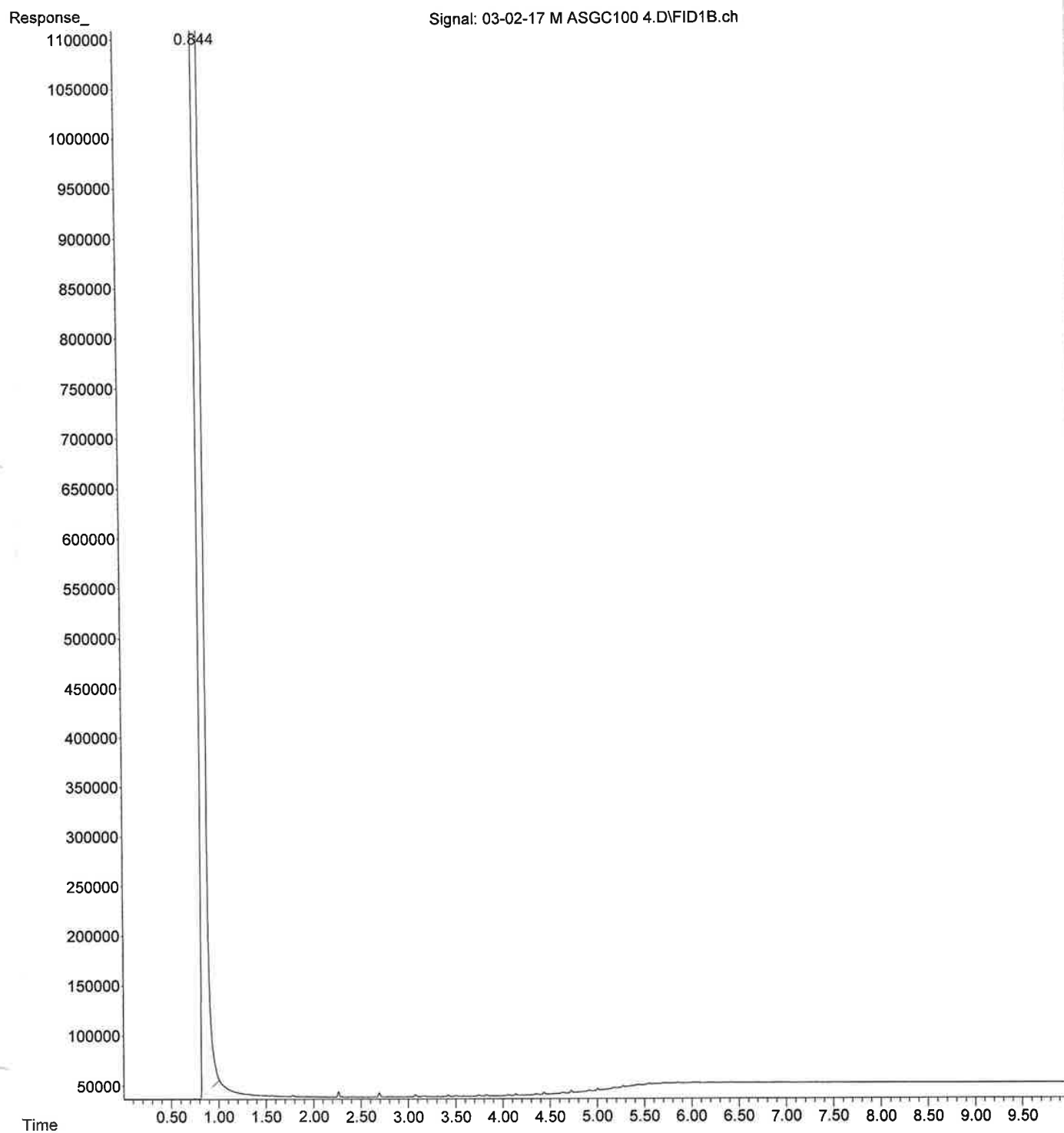
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... C ASGC100.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 11:11 using AcqMethod ASGC100.M
Sample Name: Chloroform Blank 3/1/17
Misc Info : Chloroform 100-280c @70c /min for 10 min



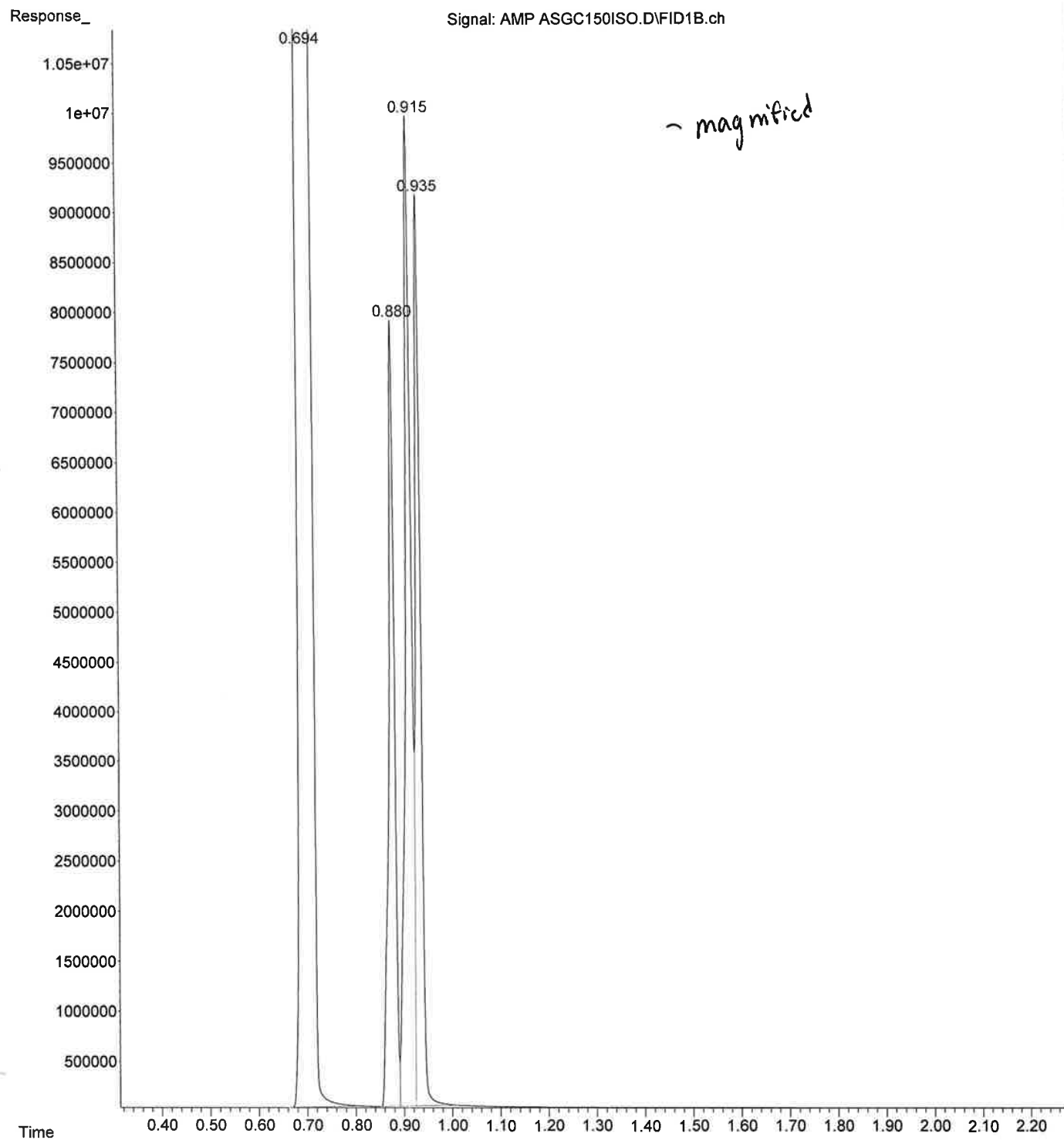
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\PCH ASGC1
... 00 4.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 15:07 using AcqMethod ASGC100.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c /min for 10 min



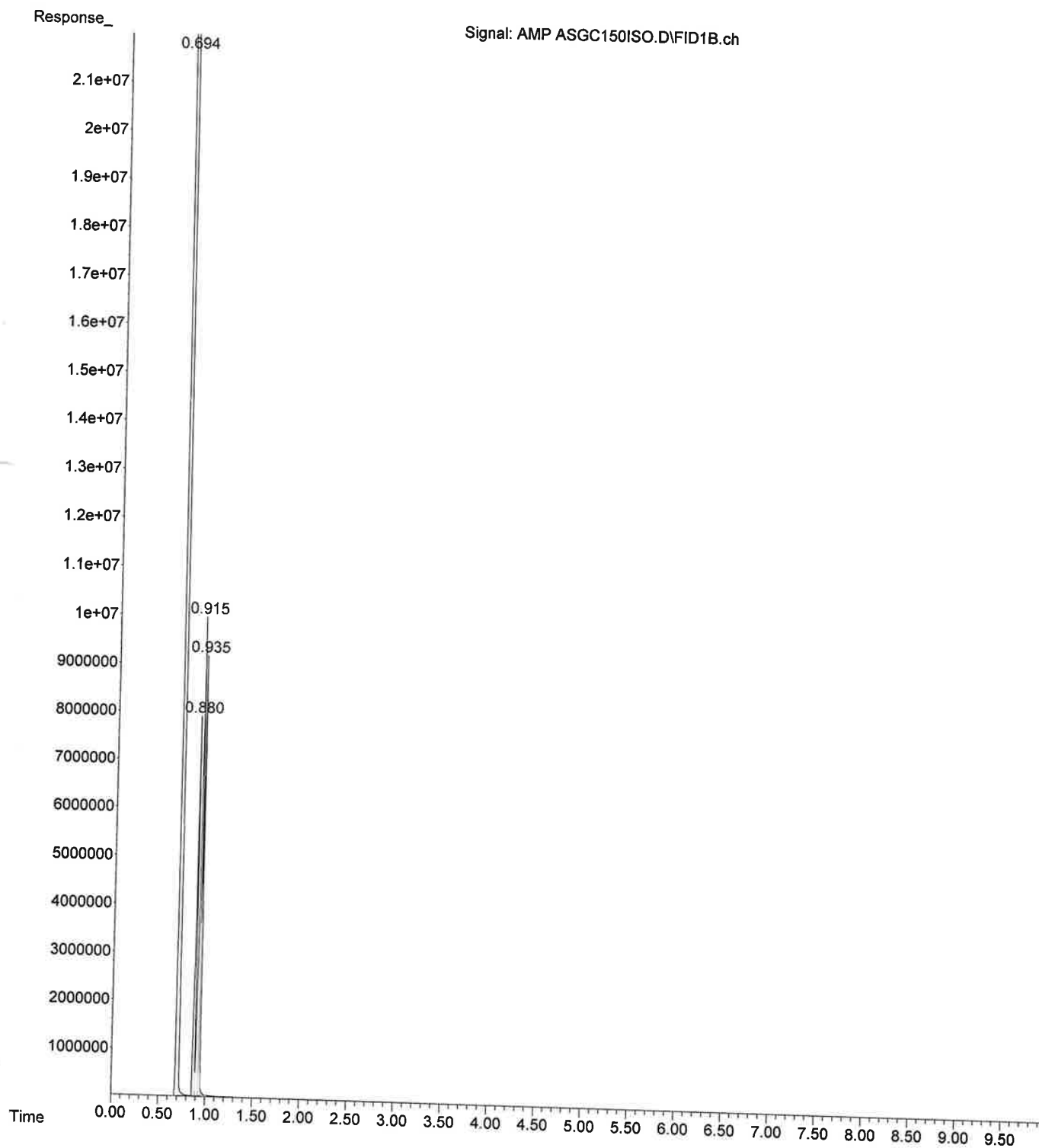
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M ASGC100 4.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 14:53 using AcqMethod ASGC100.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 100-280c @70c /min for 10 min



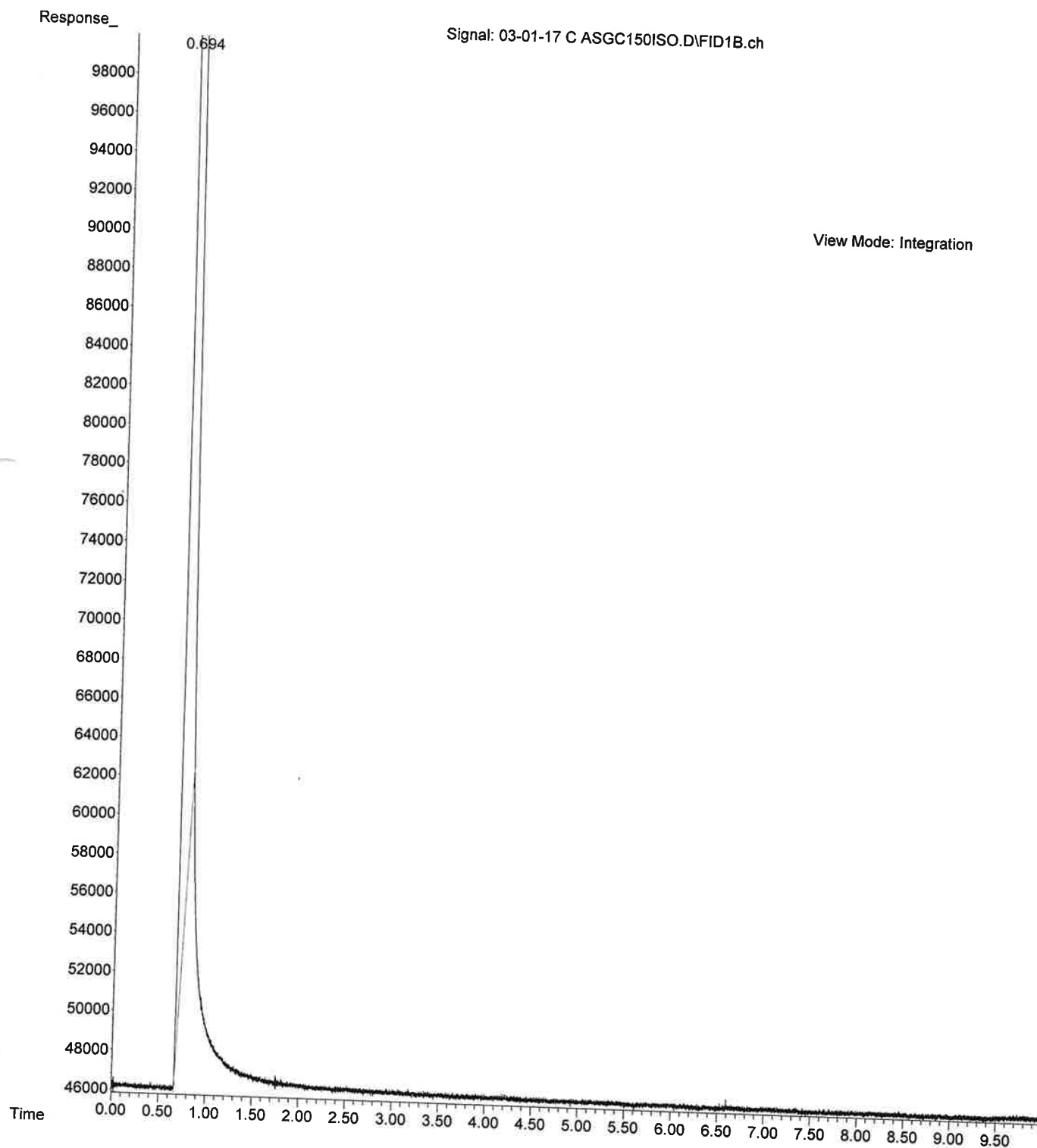
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\AMP ASGC1
... 50ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 14:34 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 150c for 10min



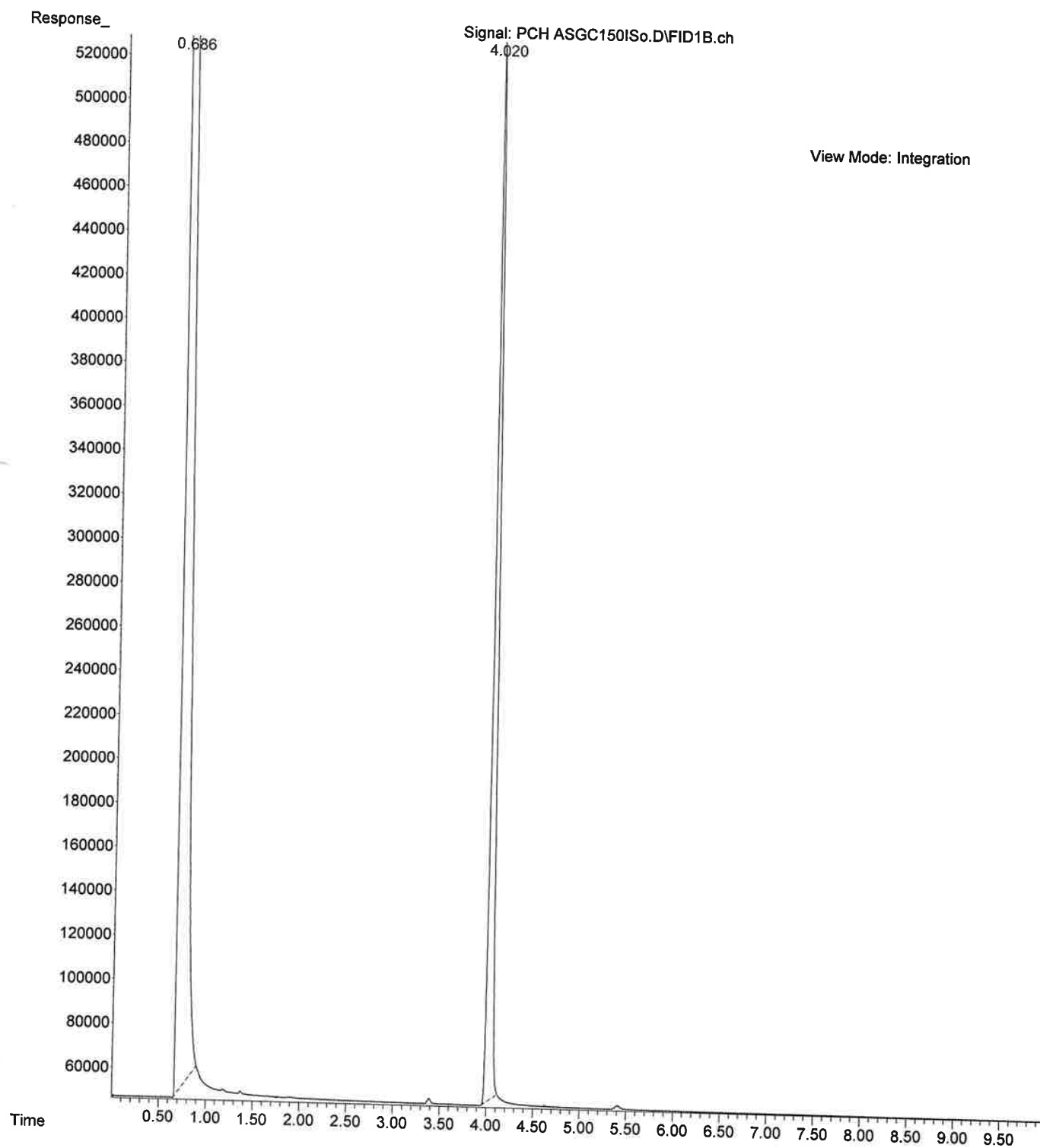
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\AMP ASGC1
... 50ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 14:34 using AcqMethod ASGC150ISO.M
Sample Name: Amphetamine, Phentermine, Methamphetamine
Misc Info : Chloroform 150c for 10min



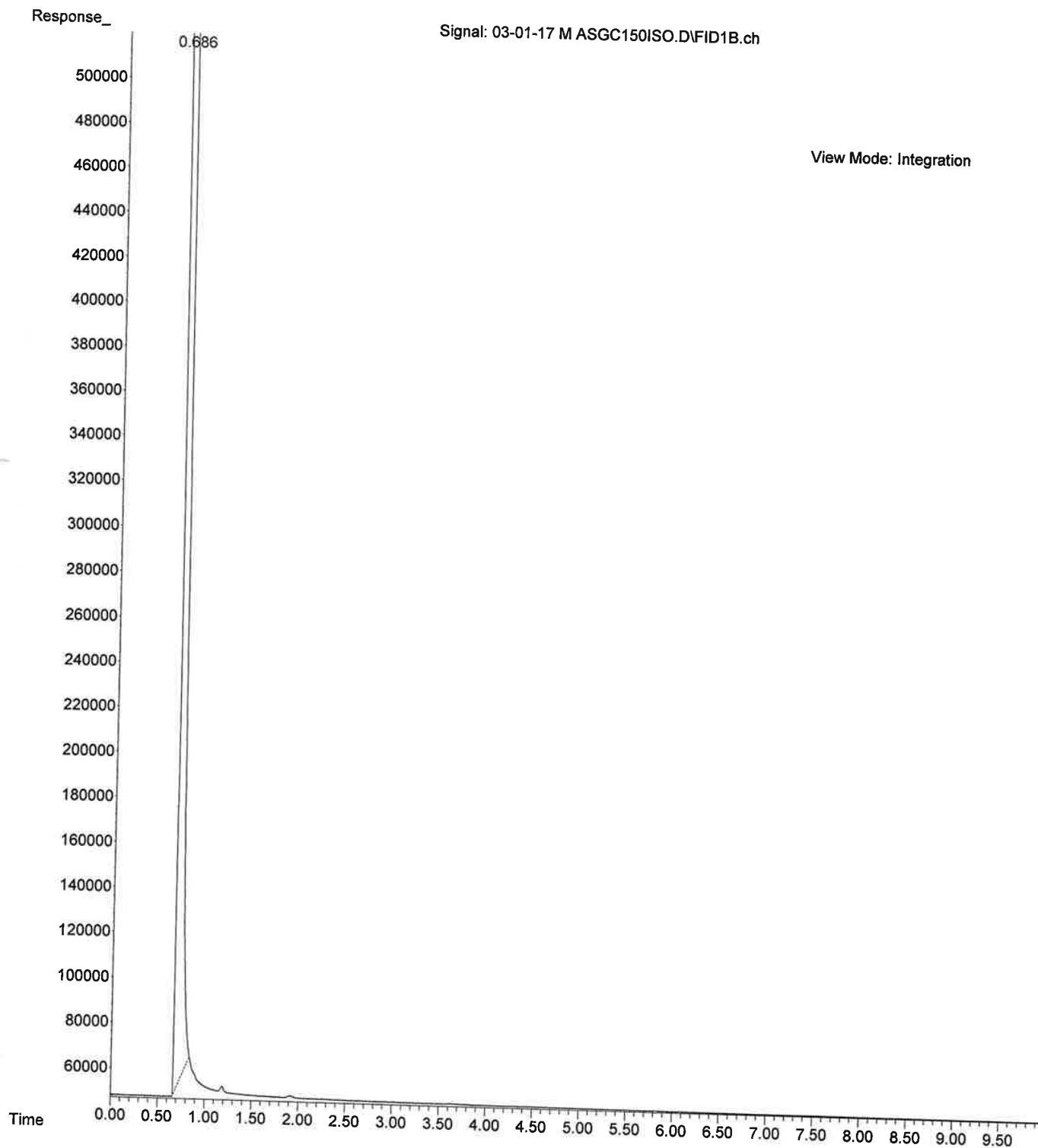
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... C ASGC150ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 14:21 using AcqMethod ASGC150ISO.M
Sample Name: Chloroform Blank 3/1/17
Misc Info : Chloroform 150c for 10min



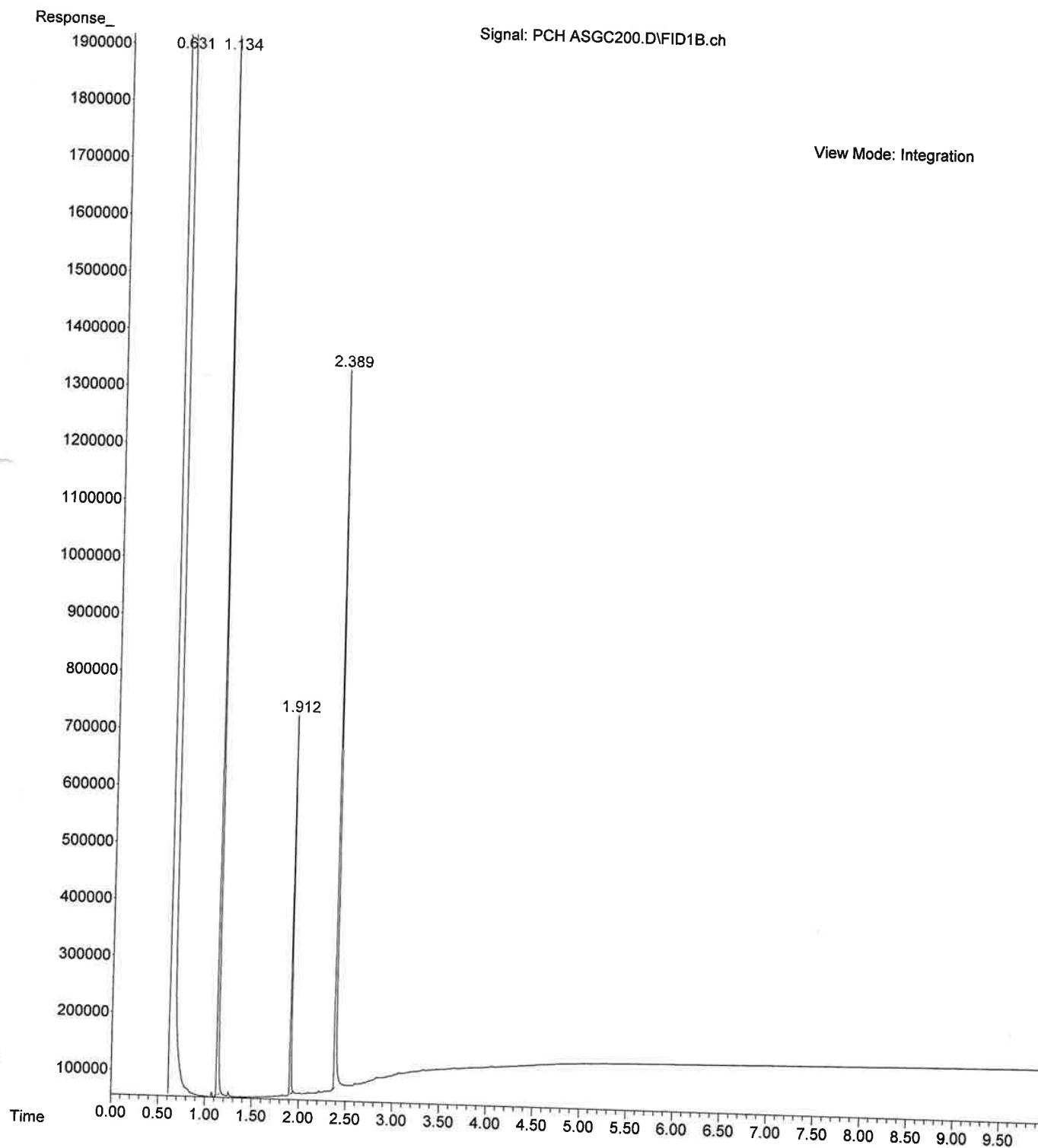
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\PCH ASGC1
... 50ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 14:09 using AcqMethod ASGC150ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 150c for 10min



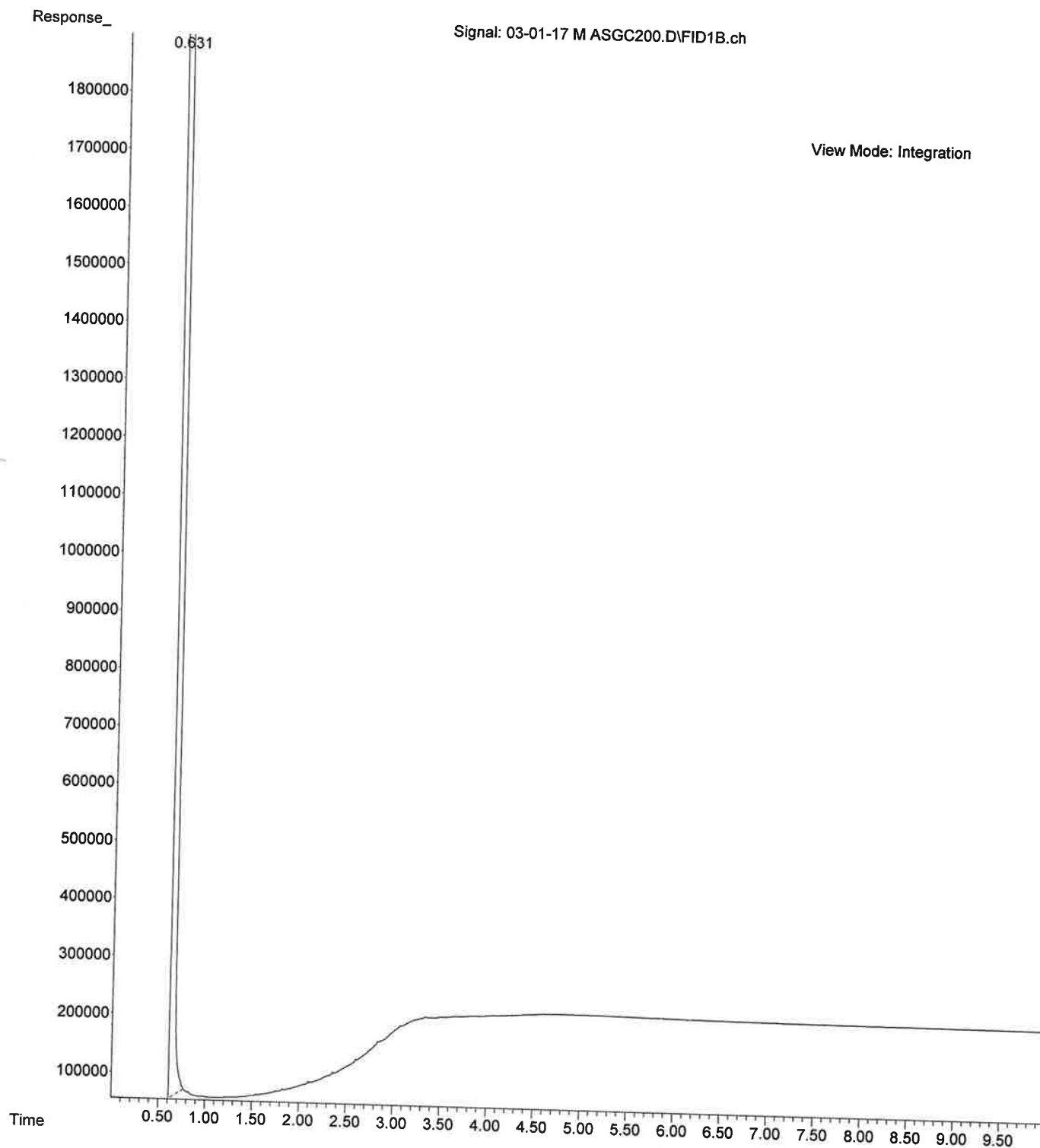
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... M ASGC150ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 13:57 using AcqMethod ASGC150ISO.M
Sample Name: Methanol Blank 3/1/17
Misc Info : Methanol 150c for 10min



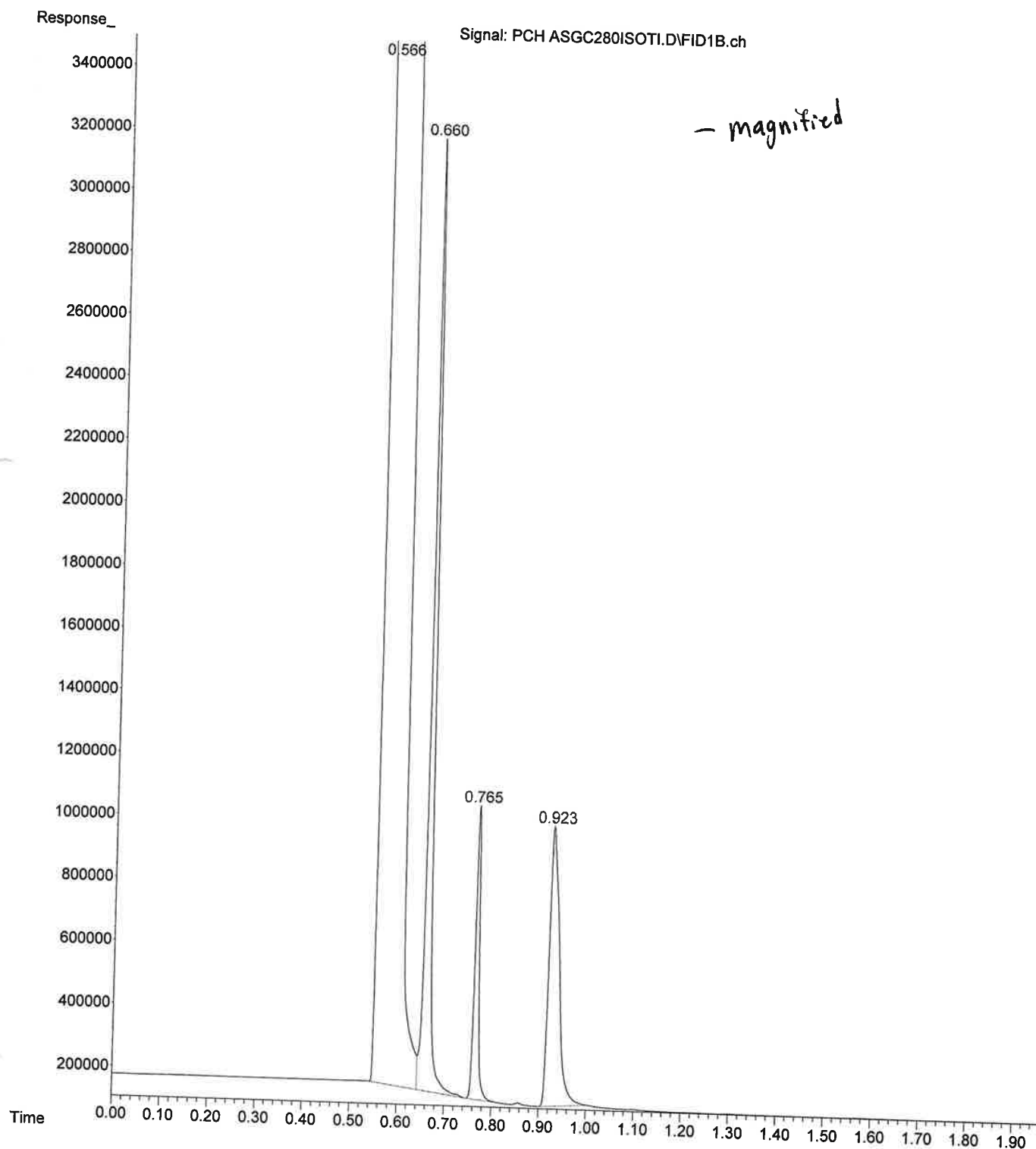
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\PCH ASGC2
... 00.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 11:58 using AcqMethod ASGC200.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 100-280c @70c /min for 10 min



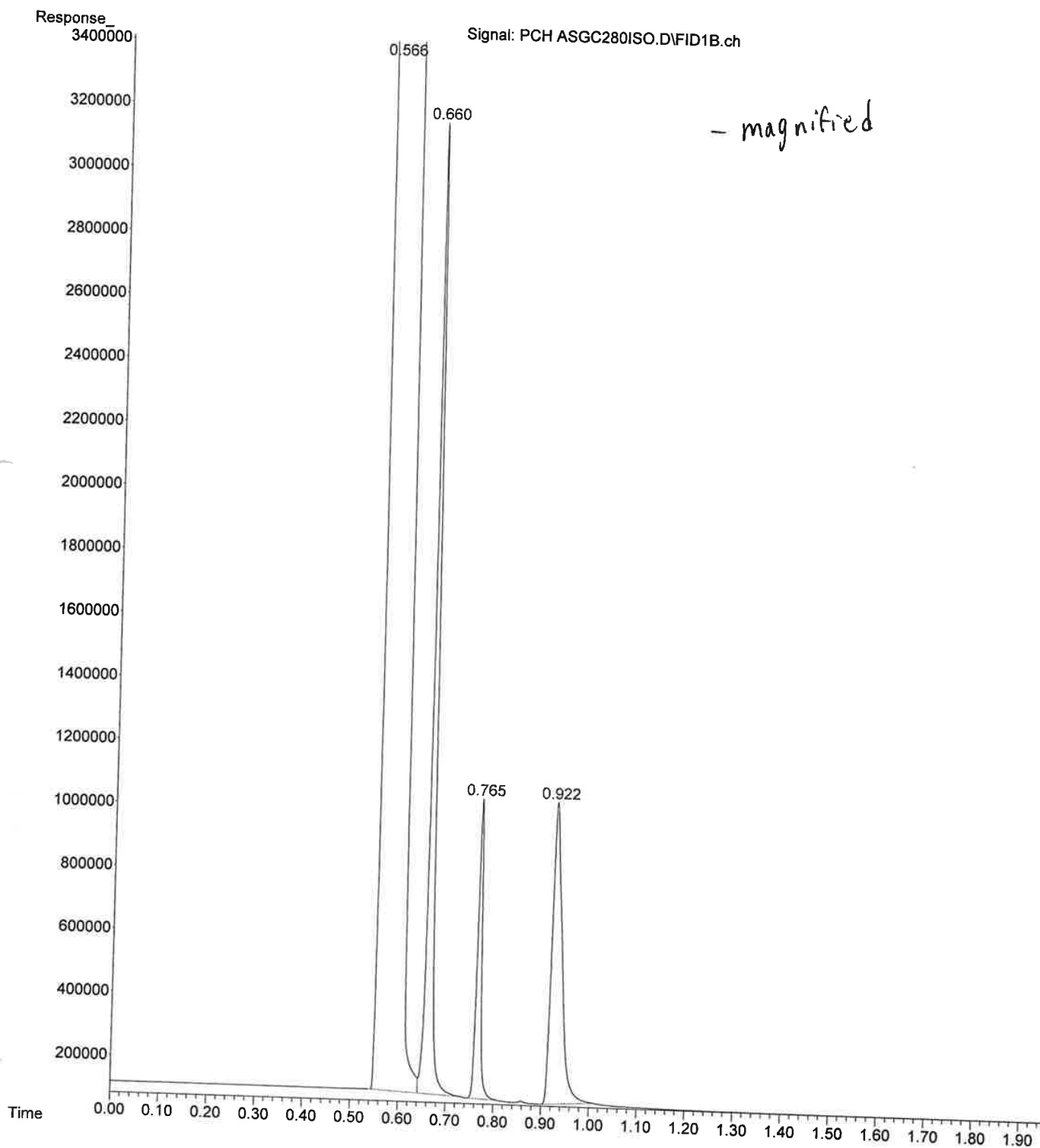
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... M ASGC200.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 11:46 using AcqMethod ASGC200.M
Sample Name: Methanol Blank 3/1/17
Misc Info : Methanol 200-280c @70c /min for 10 min



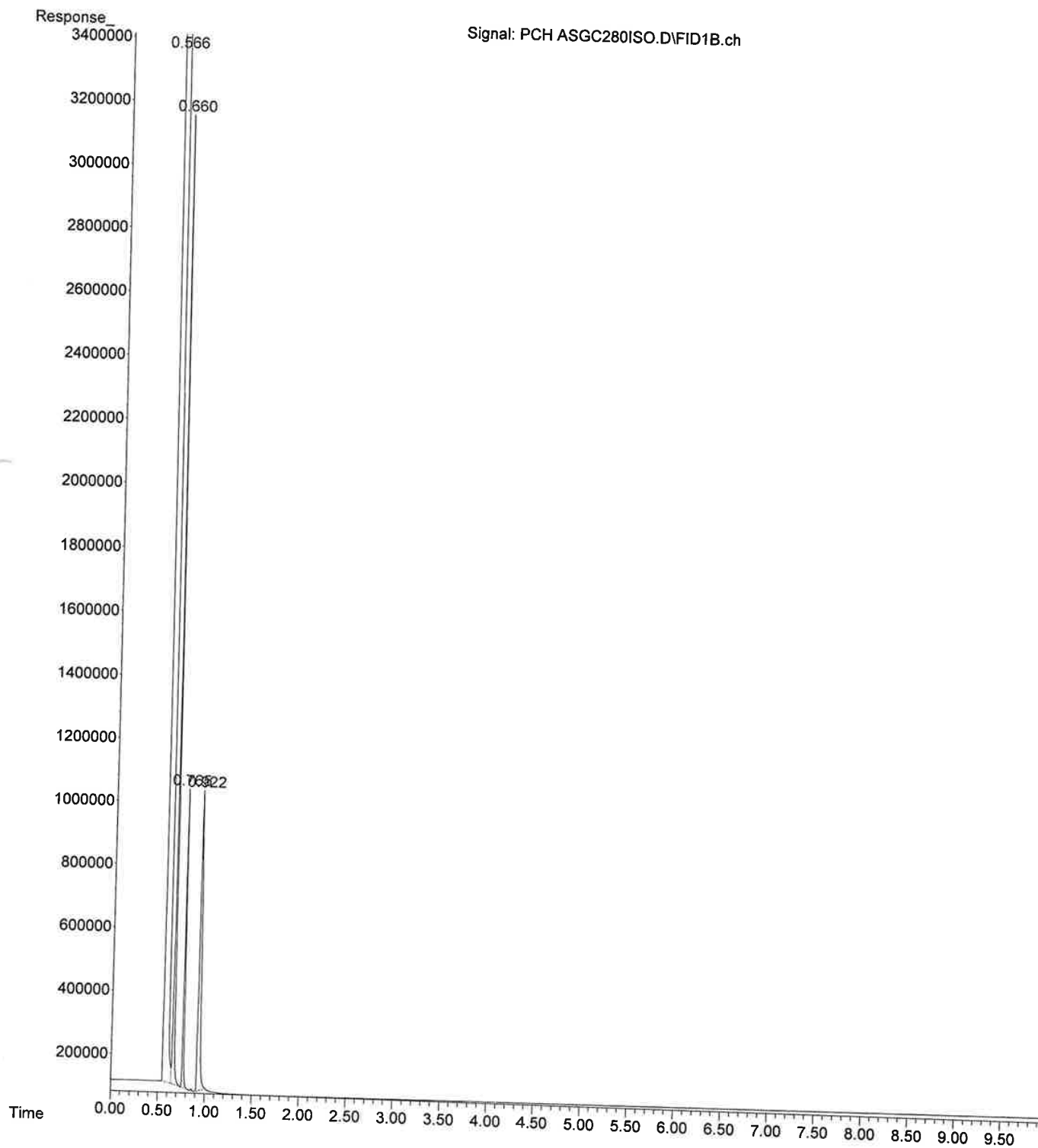
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\PCH ASGC2
... 80ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 12:44 using AcqMethod ASGC280ISOTI.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 280c for 30 min



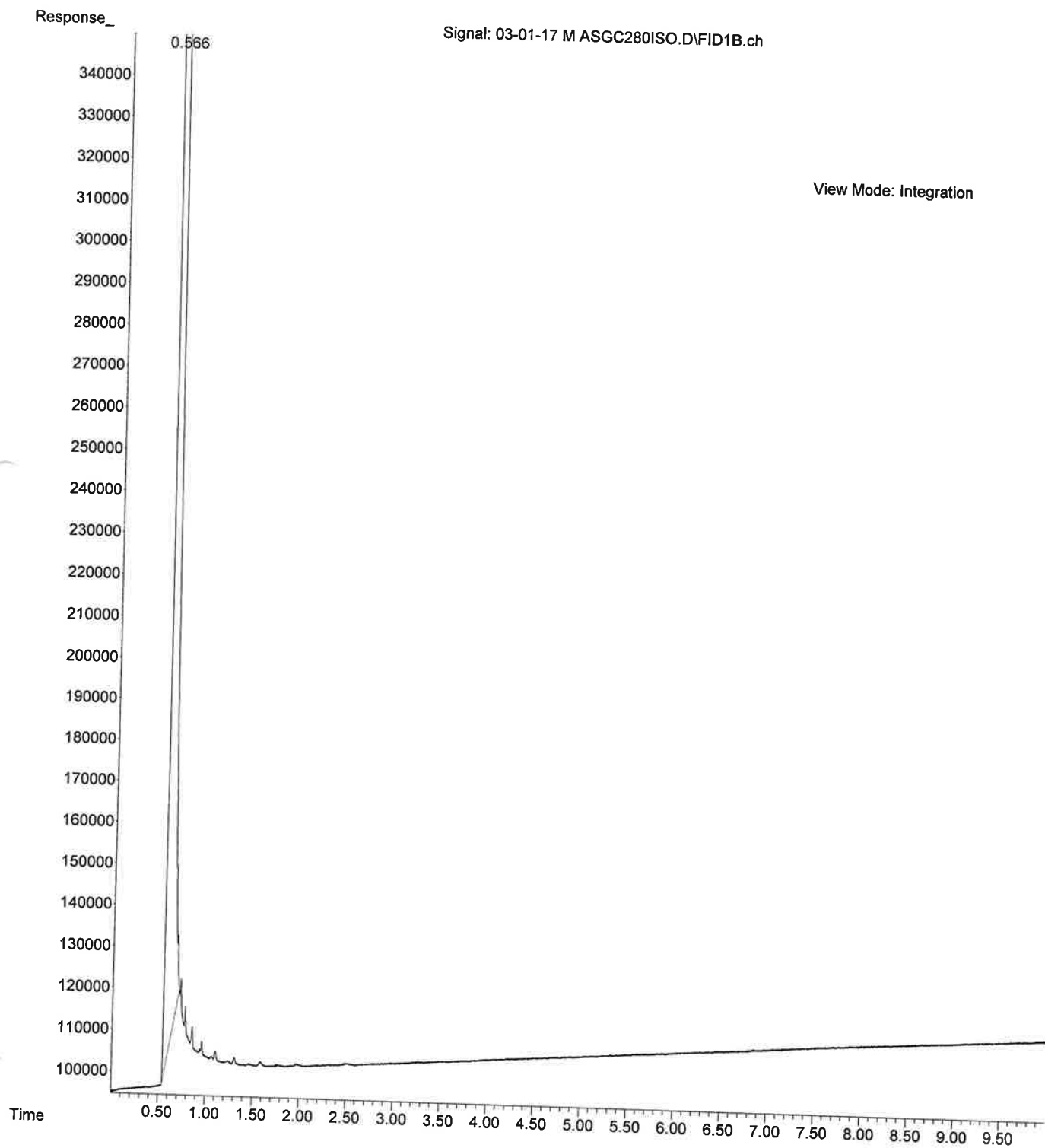
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\PCH ASGC2
... 80ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 15:02 using AcqMethod ASGC280ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 280c for 10 min



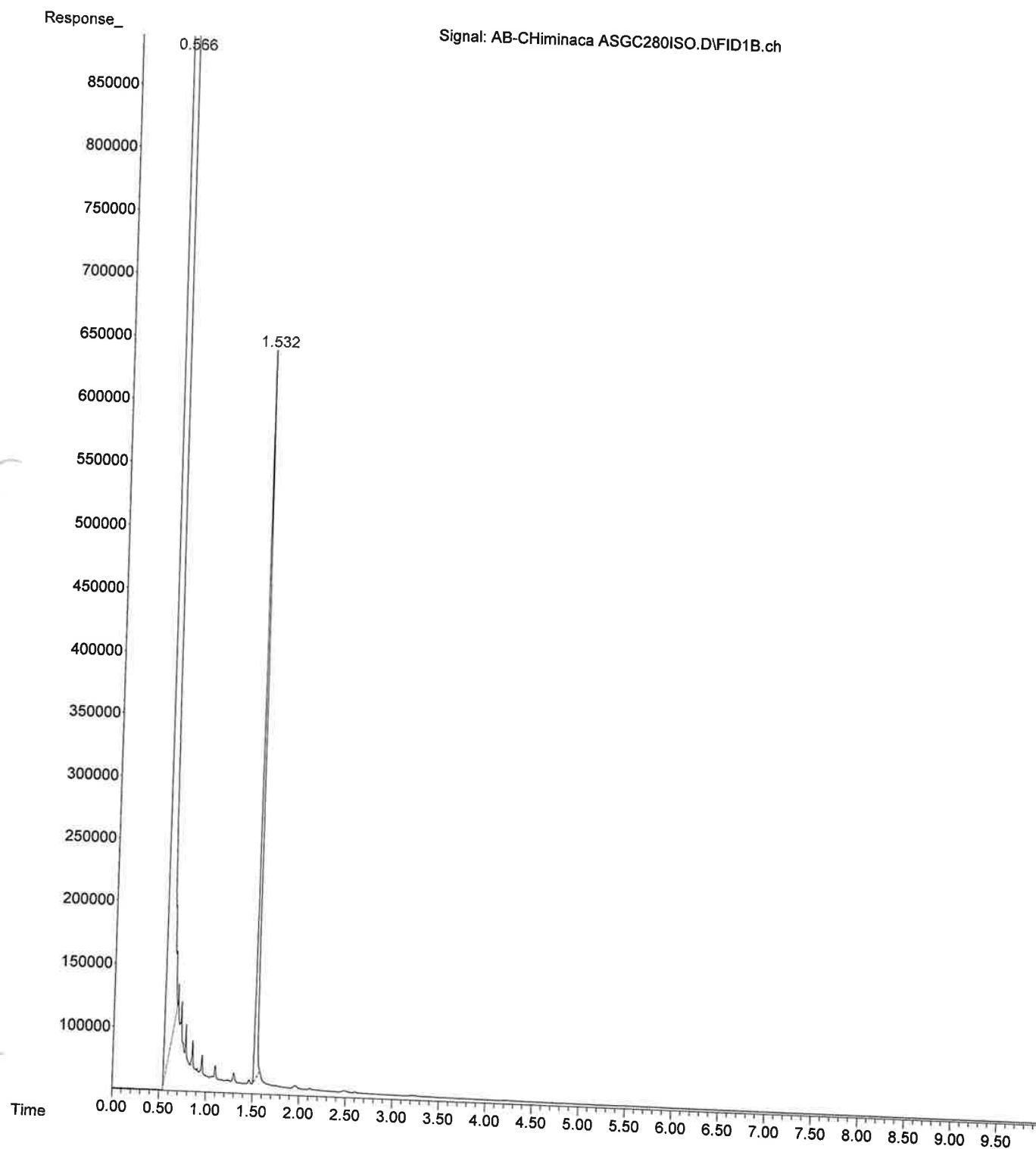
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\PCH ASGC2
... 80ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 15:02 using AcqMethod ASGC280ISO.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 280c for 10 min



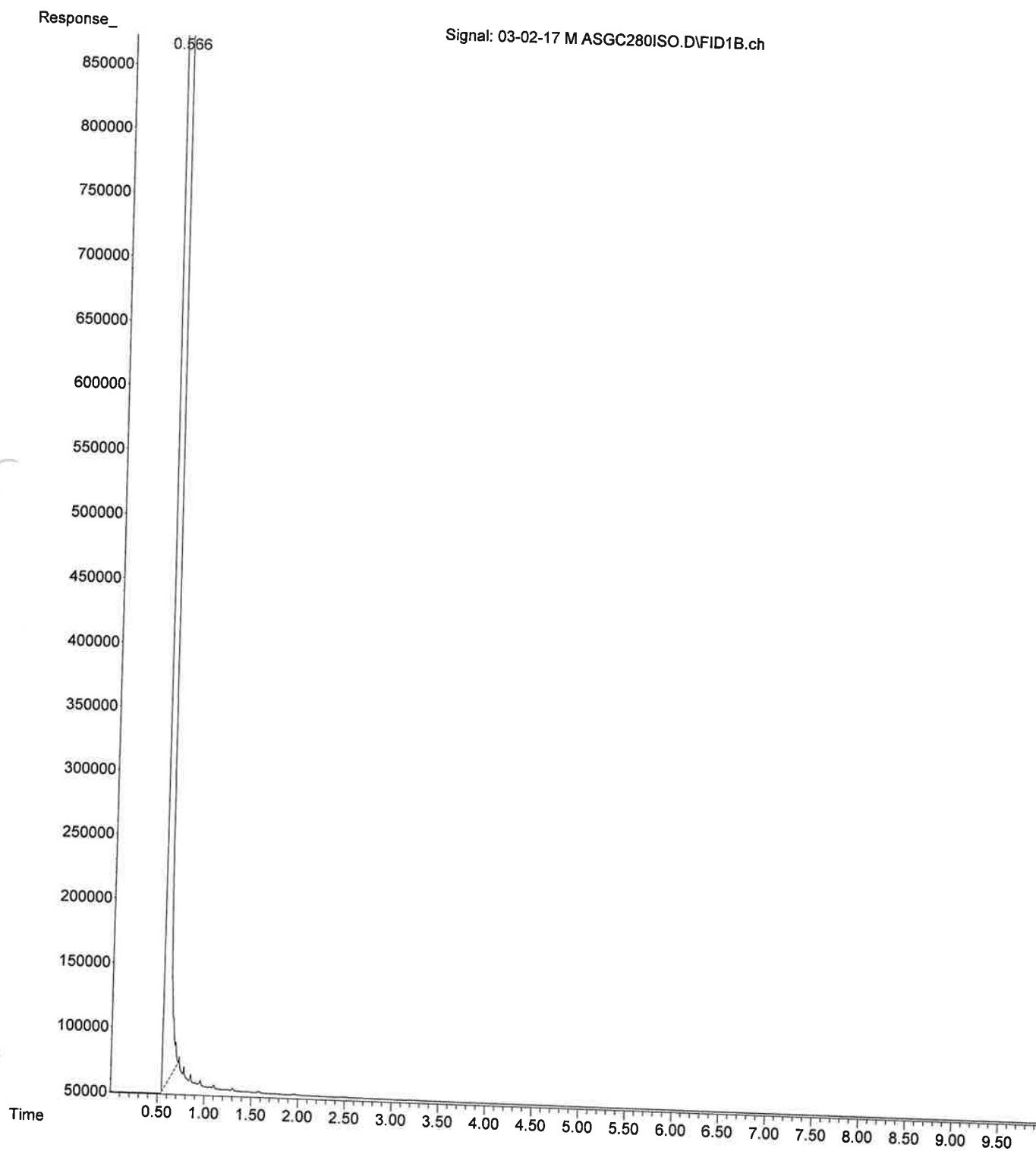
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... M ASGC280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 14:50 using AcqMethod ASGC280ISO.M
Sample Name: Methanol Blank 3/1/17
Misc Info : Methanol 280c for 10 min



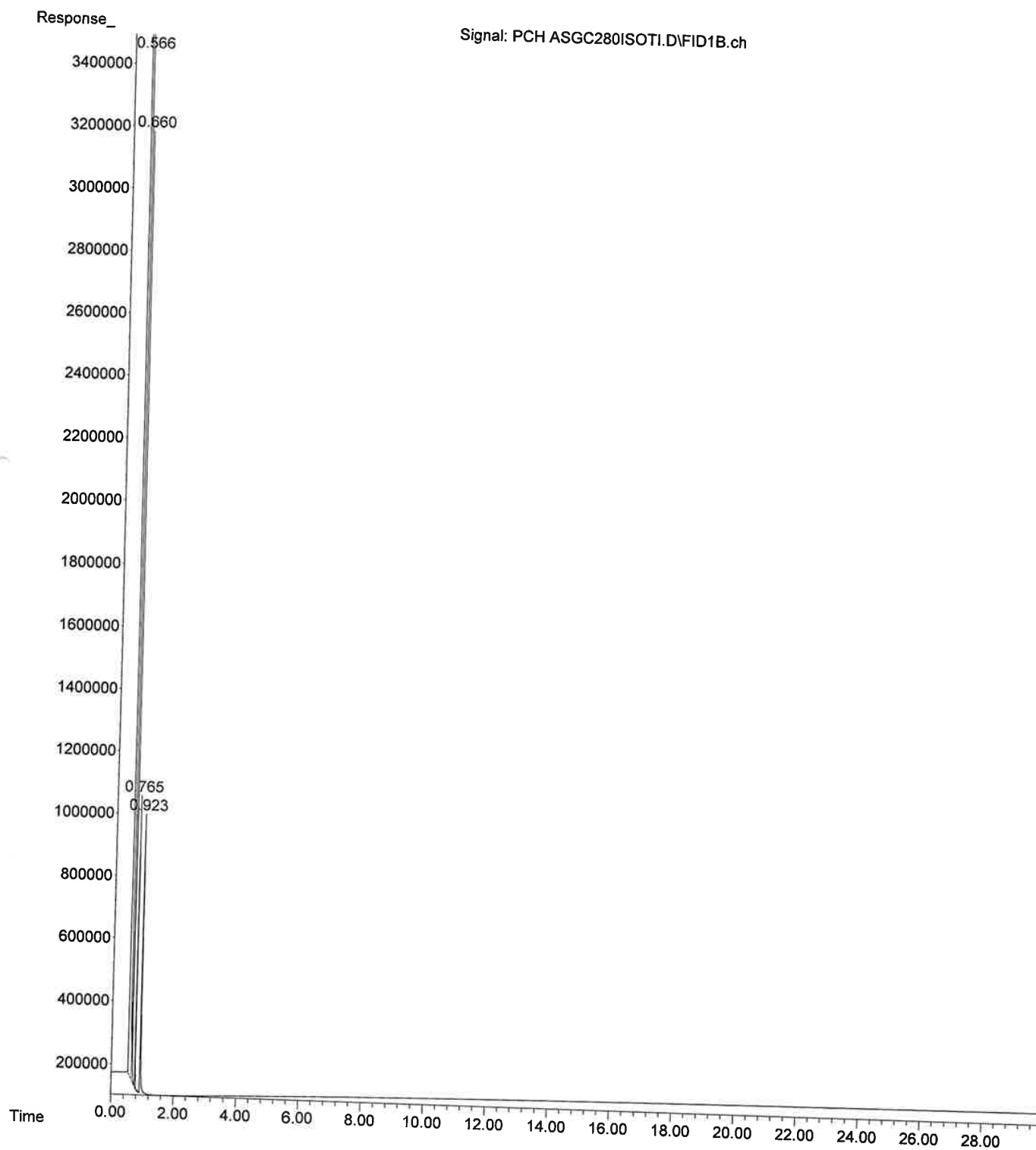
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\AB-CHimin
...aca ASGC280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 07:32 using AcqMethod ASGC280ISO.M
Sample Name: AB-Chiminaca
Misc Info : Methanol 280c for 10 min



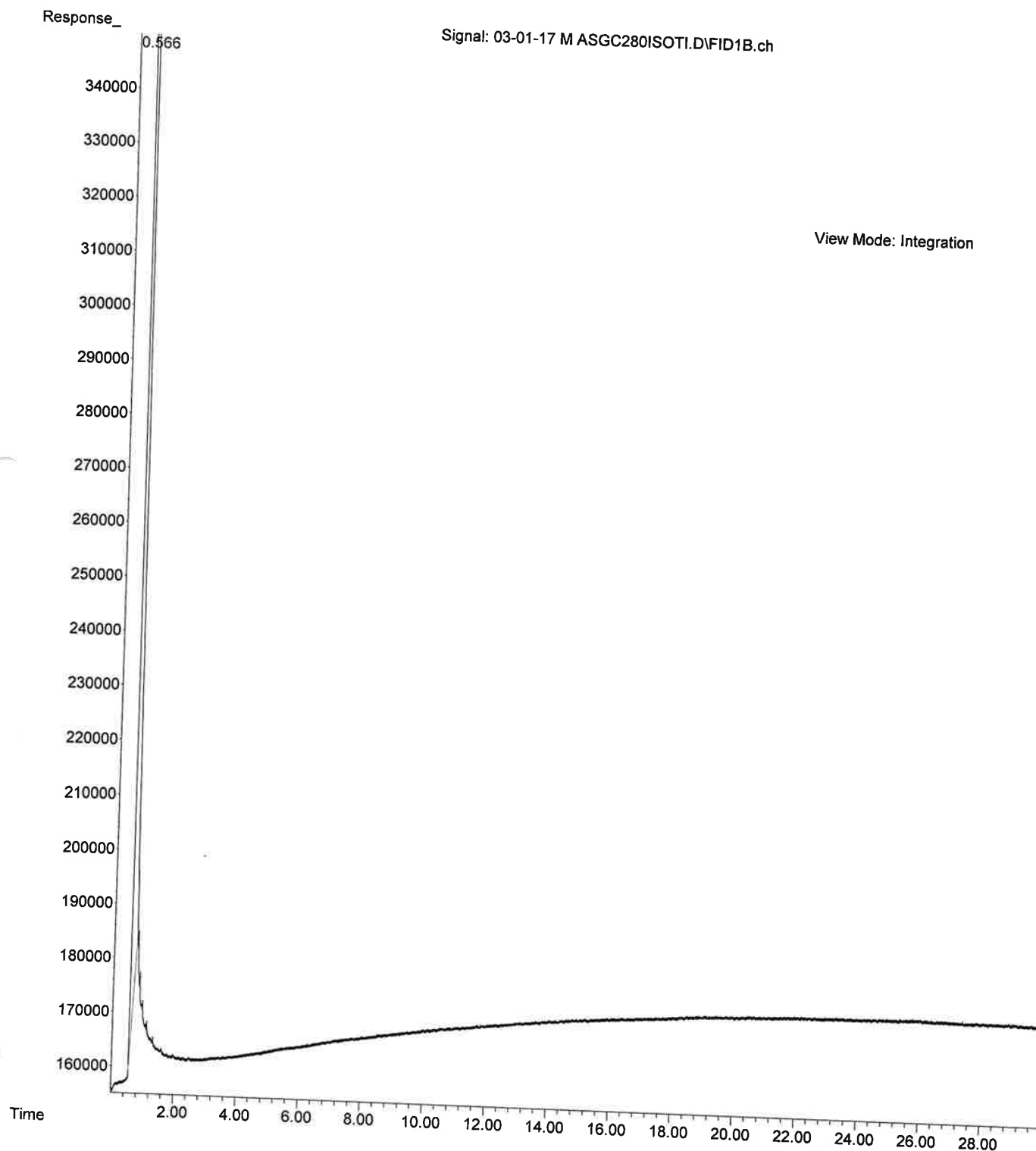
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-02-17\03-02-17
... M ASGC280ISO.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 02 Mar 2017 07:19 using AcqMethod ASGC280ISO.M
Sample Name: Methanol Blank 3/2/17
Misc Info : Methanol 280c for 10 min



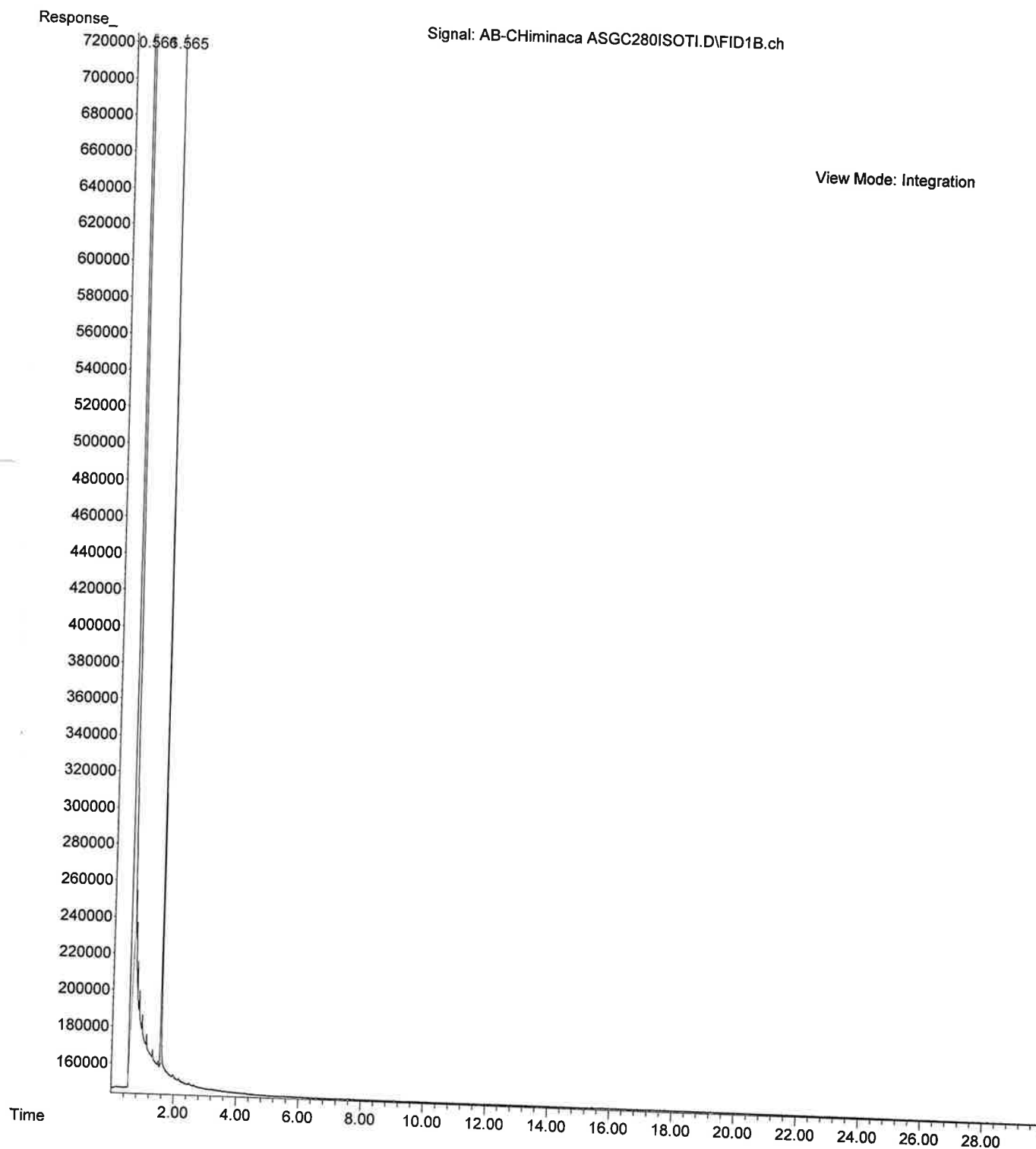
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\PCH ASGC2
... 80ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 12:44 using AcqMethod ASGC280ISOTI.M
Sample Name: Pethidine, Cocaine, Hydrocodone
Misc Info : Methanol 280c for 30 min



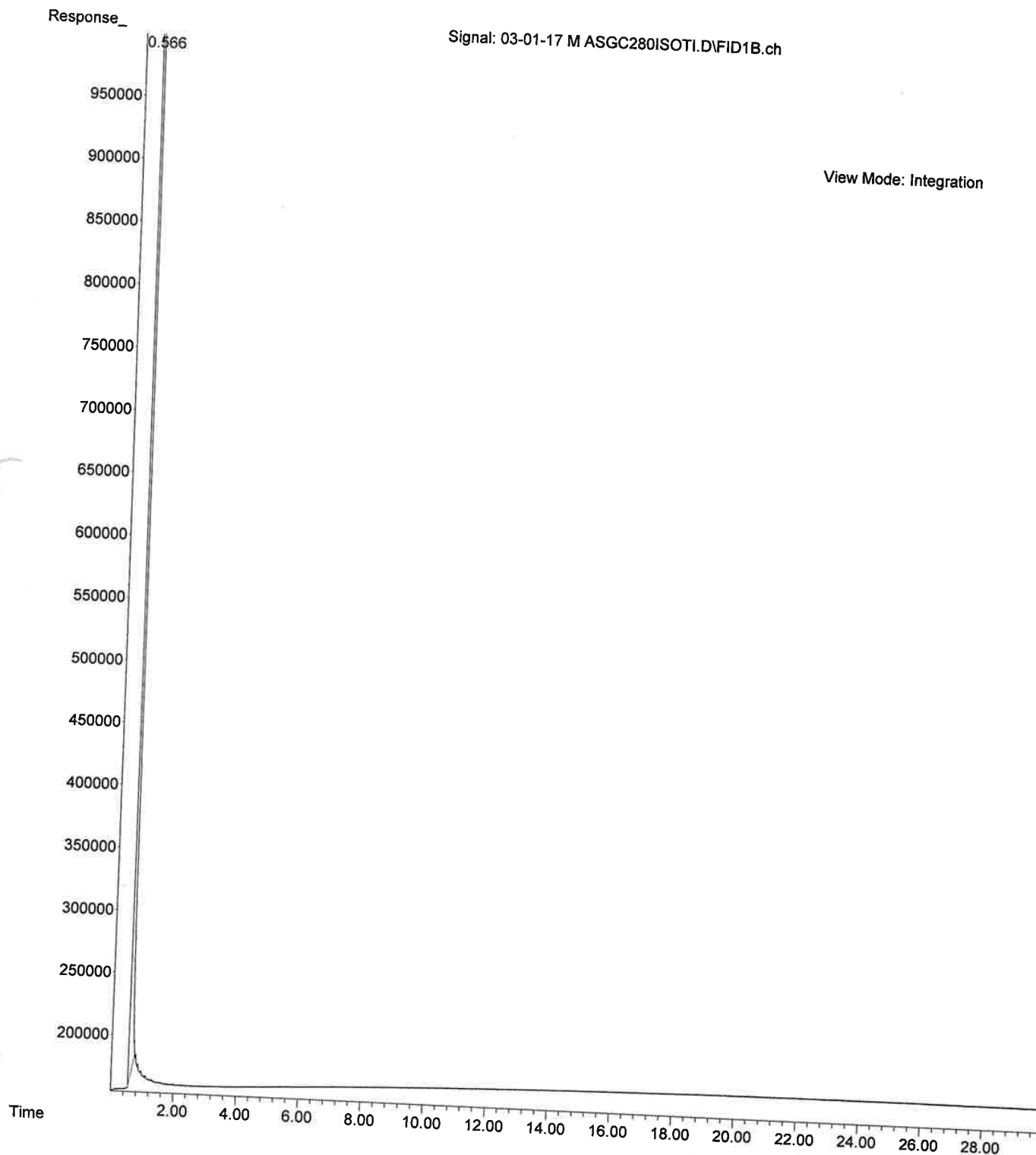
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... M ASGC280ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 12:12 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol Blank 3/1/17
Misc Info : Methanol 280c for 30 min



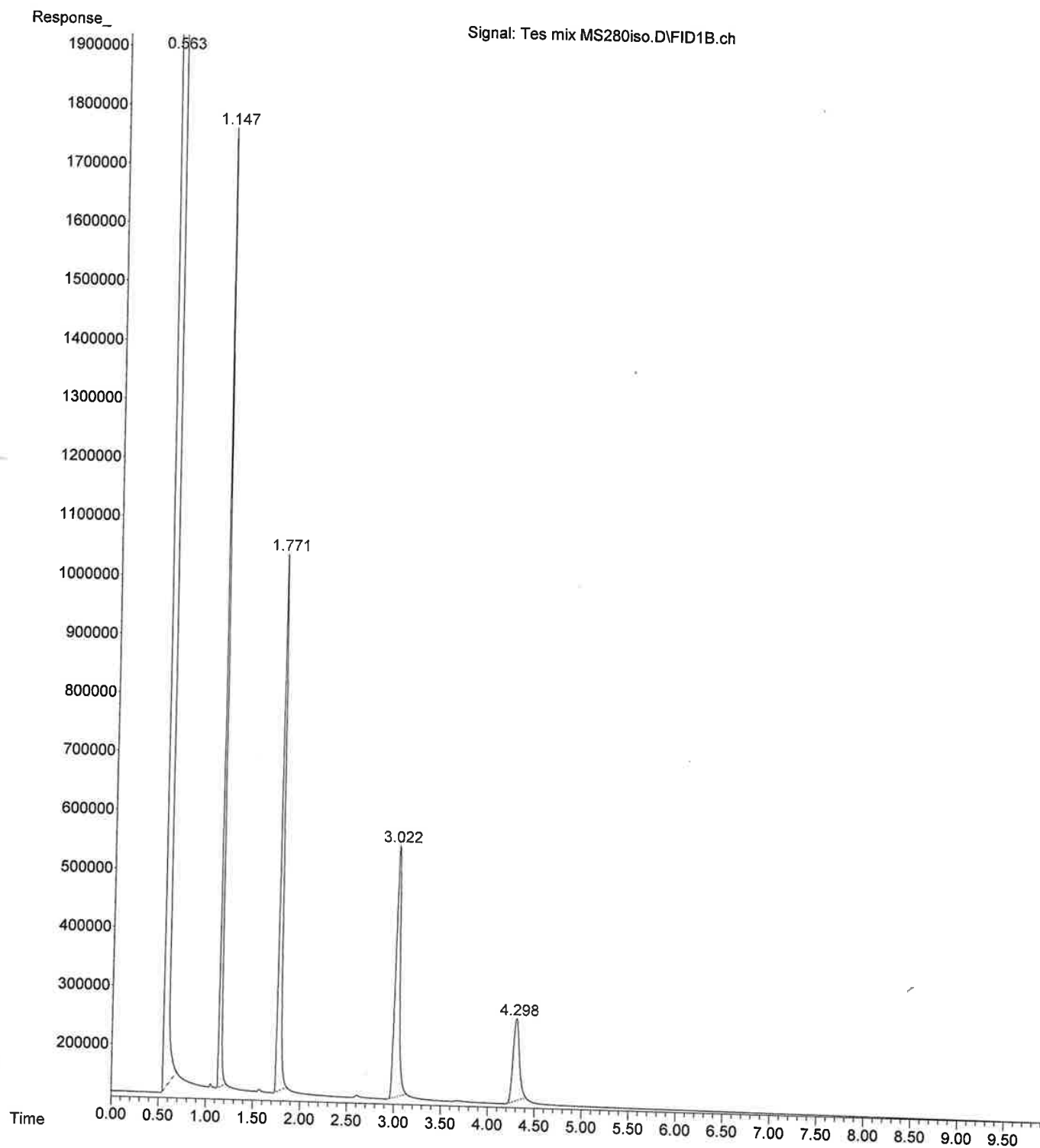
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\AB-CHimin
... aca ASGC280ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 13:24 using AcqMethod ASGC280ISOTI.M
Sample Name: AB-Chiminaca
Misc Info : Methanol 280c for 30 min



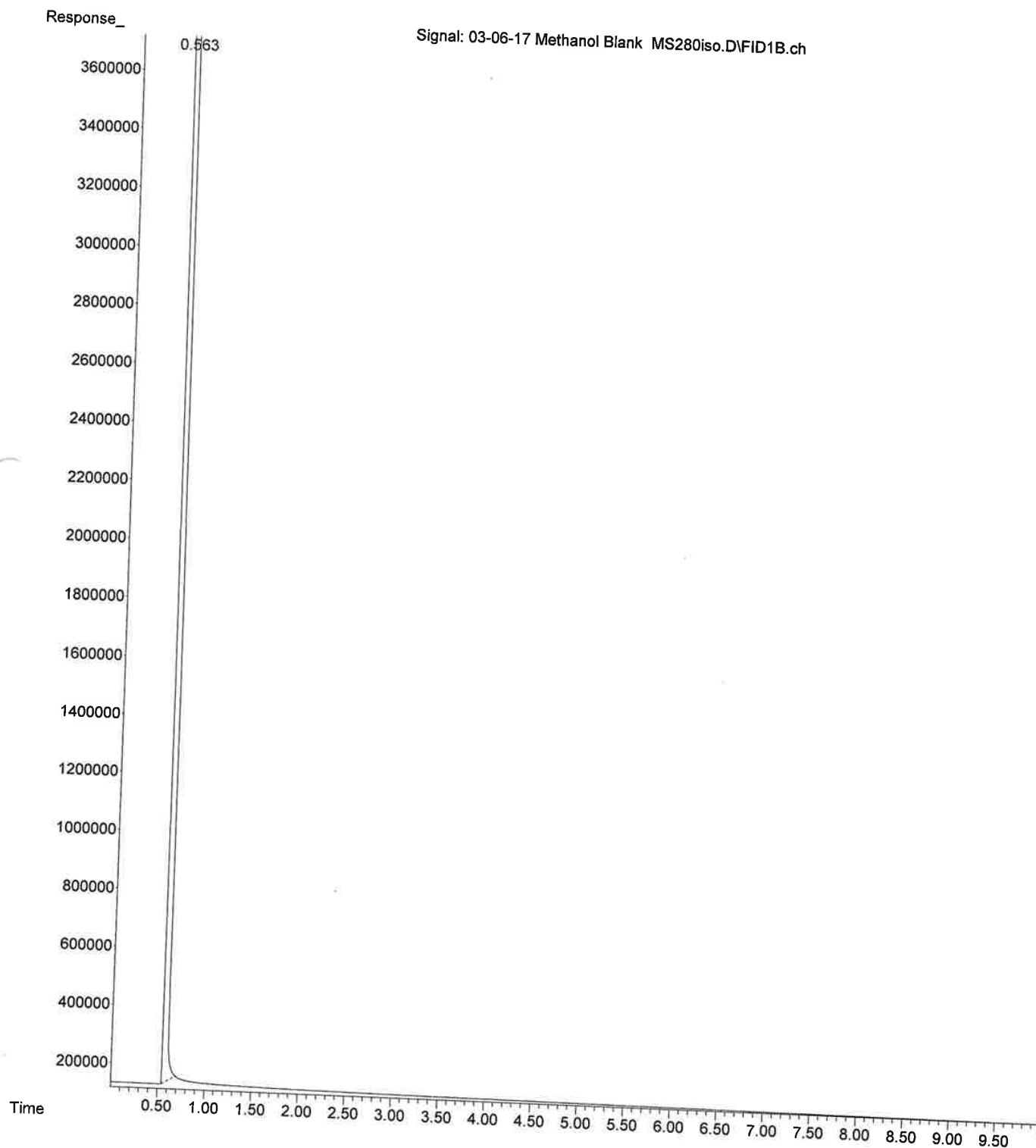
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-01-17\03-01-17
... M ASGC280ISOTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 01 Mar 2017 12:12 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol Blank 3/1/17
Misc Info : Methanol 280c for 30 min



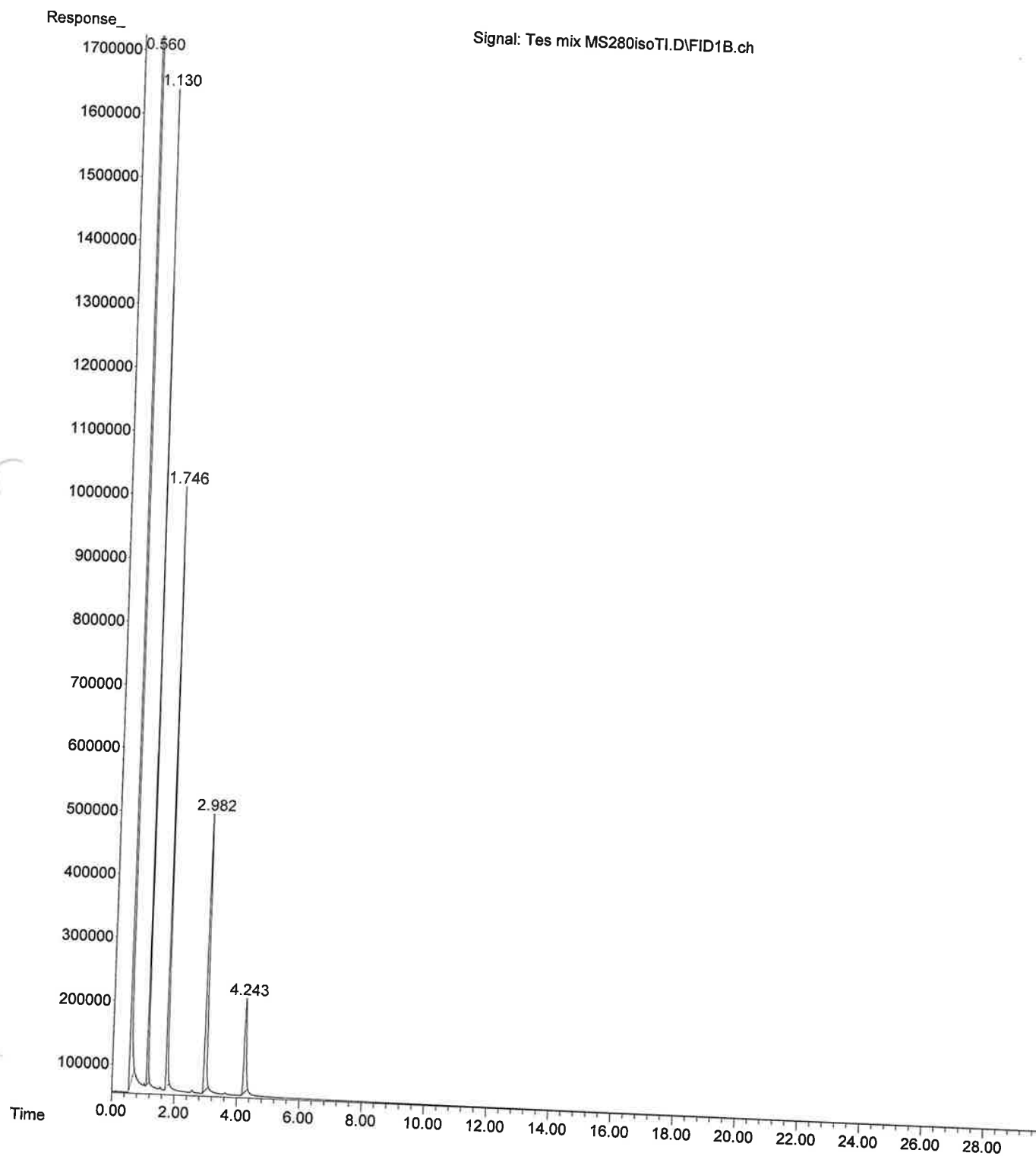
File :D:\MassHunter\GCMS\1\data\2017\Validation\03-06-17\Tes mix M
... S280iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 06 Mar 2017 14:49 using AcqMethod ASGC280ISO.M
Sample Name: isocaproate, Benzoate, Acetate, undecanoate
Misc Info : Methanol 280c for 10 min



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-06-17\03-06-17
... Methanol Blank MS280iso.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 06 Mar 2017 14:38 using AcqMethod ASGC280ISO.M
Sample Name: Methanol Blank 3/6/17
Misc Info : Methanol 280c for 10 min



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\Tes mix M
... S280isoTI.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 12:22 using AcqMethod ASGC280ISOTI.M
Sample Name: isocaproate, Benzoate, Acetate, undecanoate
Misc Info : Methanol 280c for 30 min



File :D:\MassHunter\GCMS\1\data\2017\Validation\03-07-17\03-07-17
... Methanol Blank MS280isoti.D
Operator : Lela Jackson
Instrument : Kenny
Acquired : 07 Mar 2017 11:51 using AcqMethod ASGC280ISOTI.M
Sample Name: Methanol Blank 3/6/17
Misc Info : Methanol 280c for 30 min

