

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

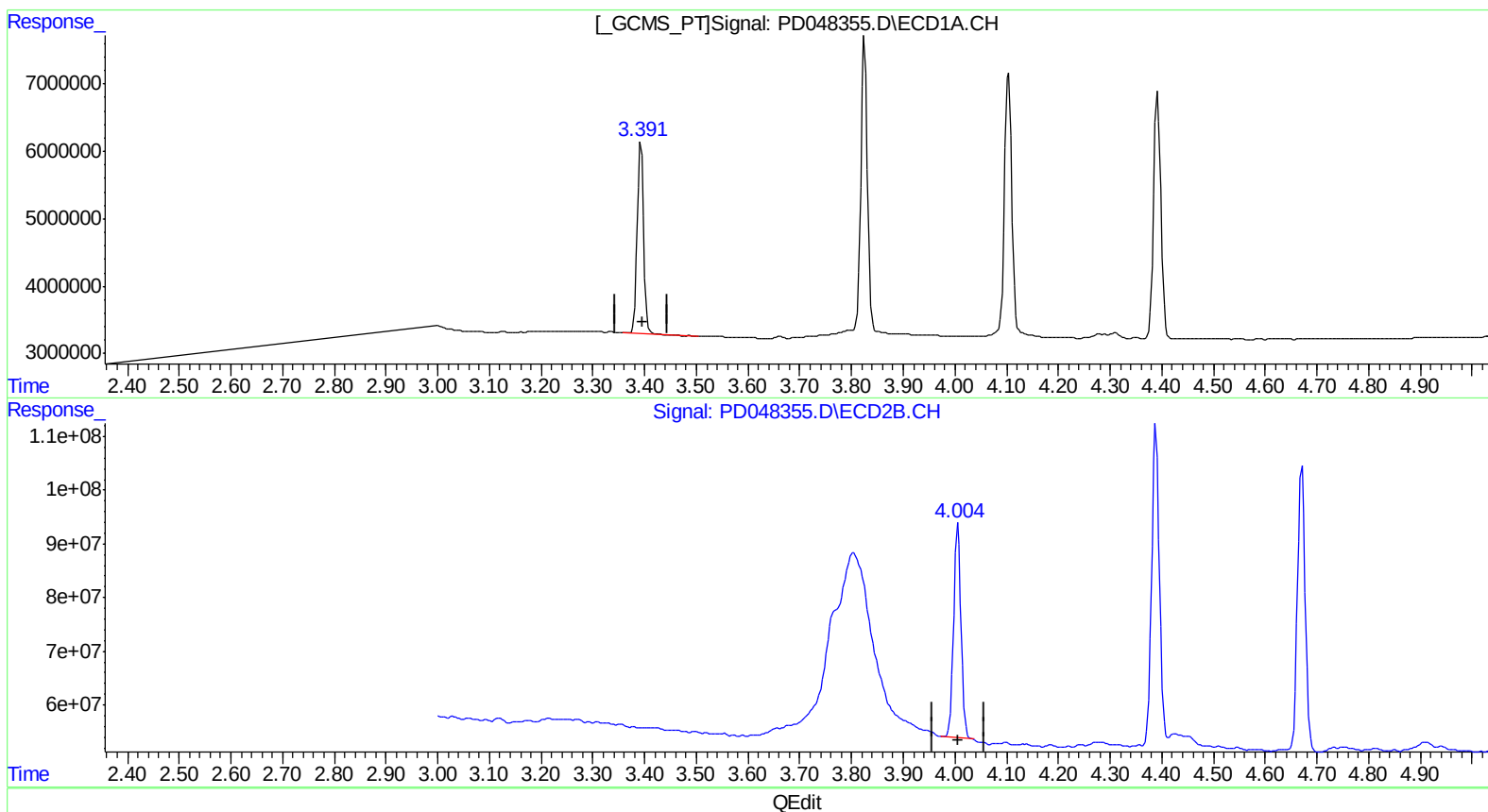
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:08 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(1) Tetrachloro-m-xylene (SA)

3.393min 20.403 ng/ml

response 24655192

(1) Tetrachloro-m-xylene #2 (SA)

4.006min 19.475 ng/ml

response 396503165

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:07:29 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

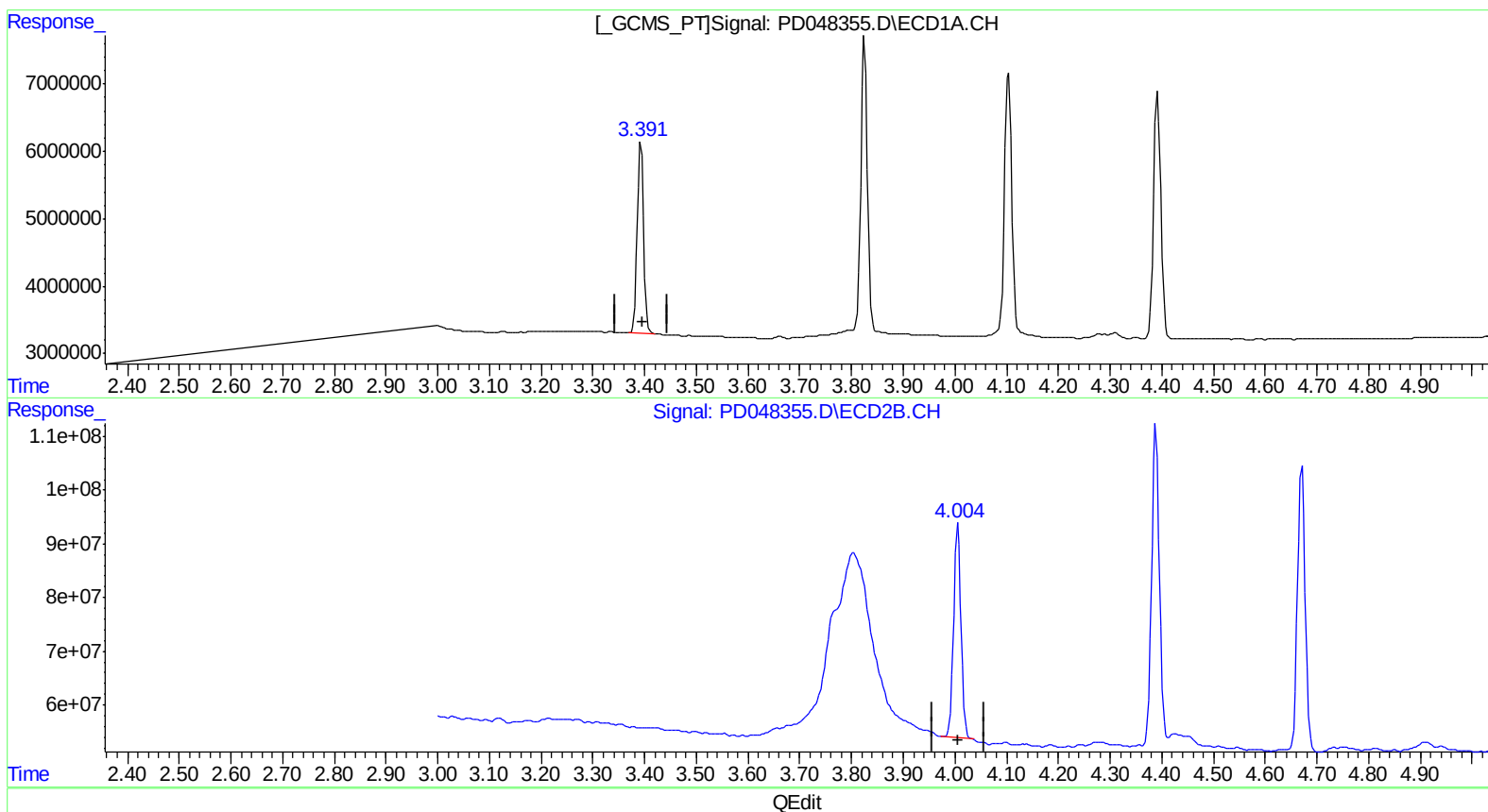
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:08 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
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Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(1) Tetrachloro-m-xylene (SA)
3.391min 20.180 ng/ml m
response 24385284

(1) Tetrachloro-m-xylene #2 (SA)
4.006min 19.475 ng/ml
response 396503165

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:07:41 2018

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

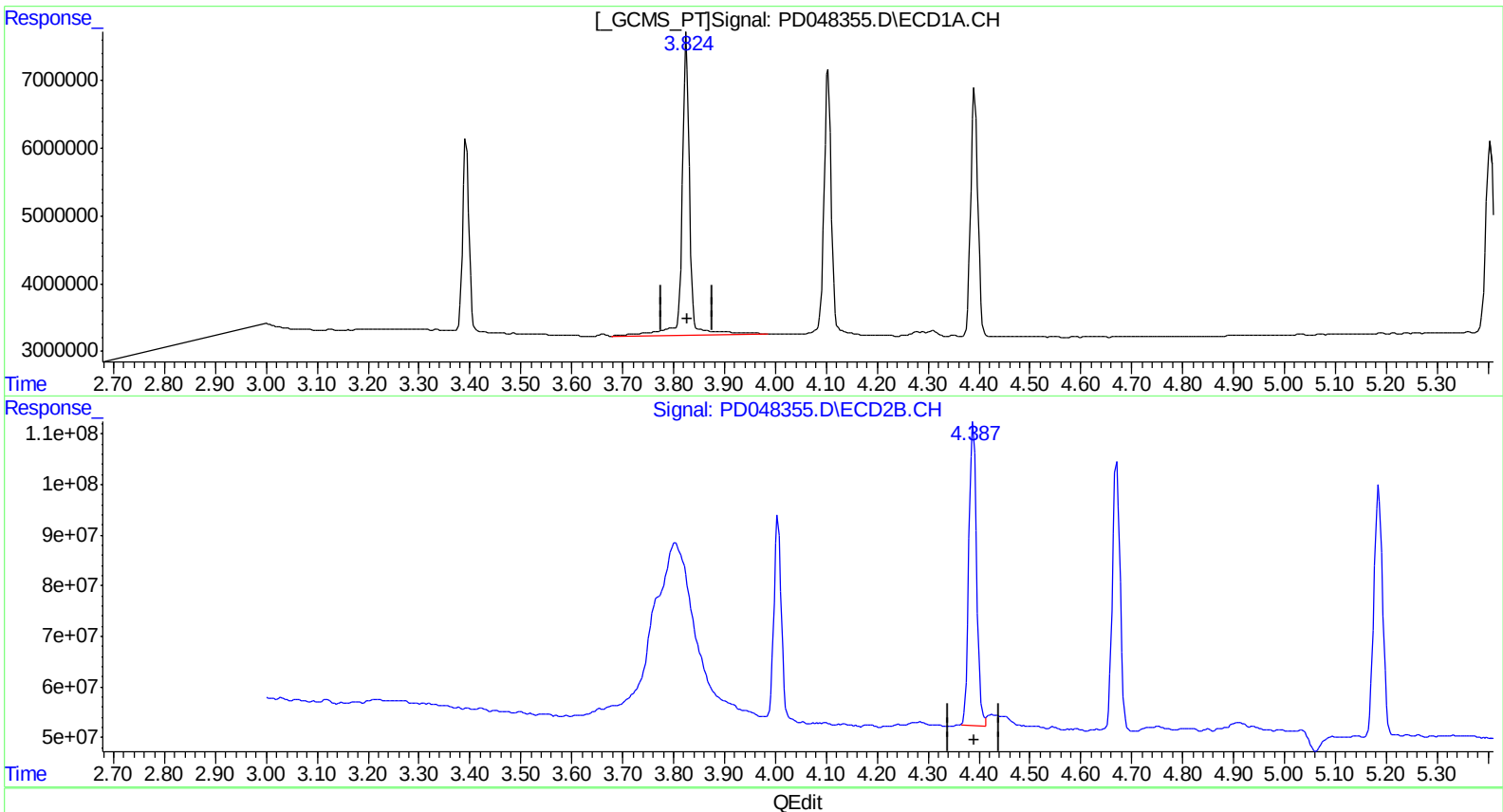
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:08 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(2) alpha-BHC (A)
3.825min 24.474 ng/ml
response 46564514

(2) alpha-BHC #2 (A)
4.389min 19.600 ng/ml
response 629985851

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

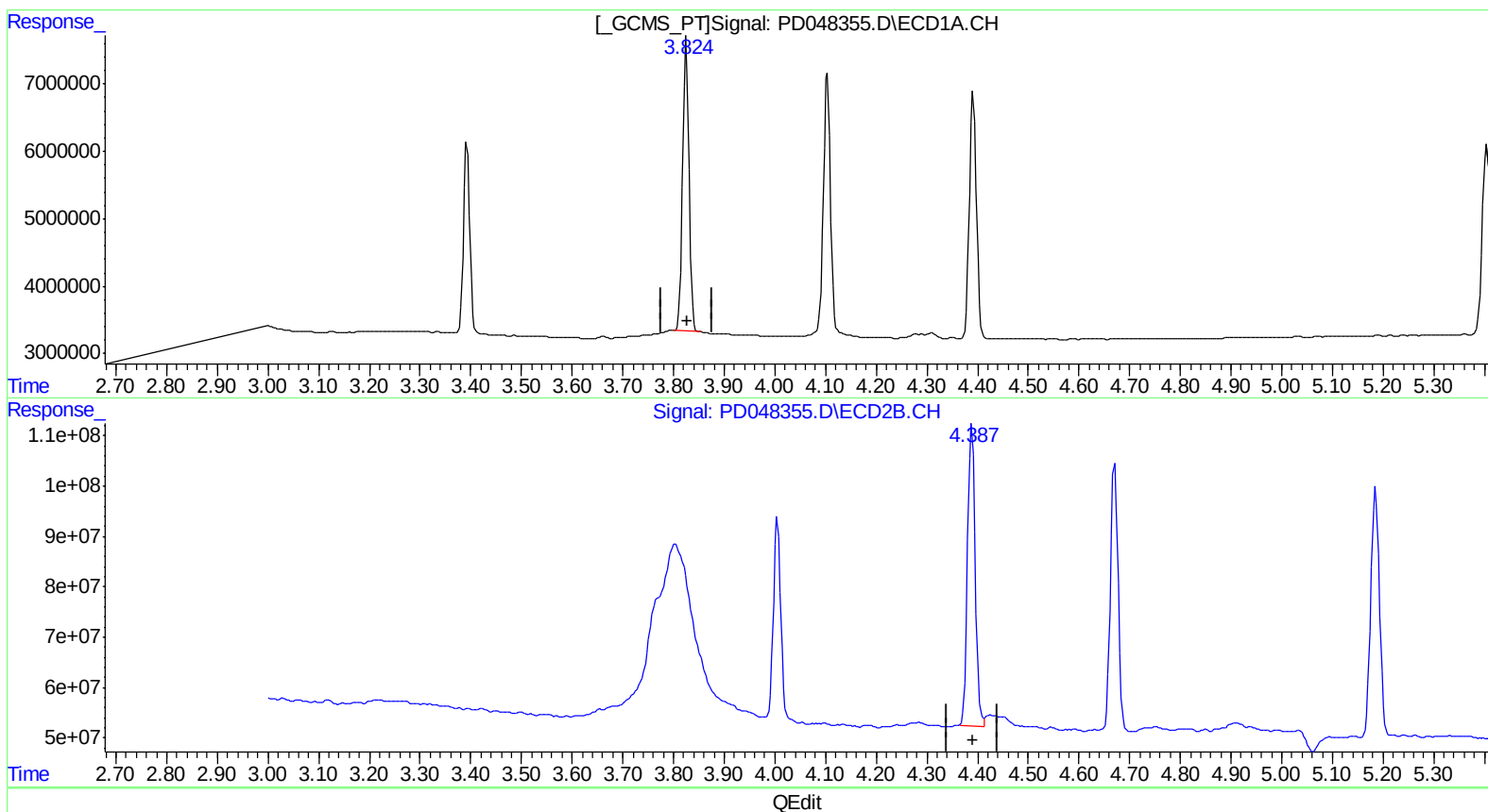
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(2) alpha-BHC (A)
3.824min 20.176 ng/ml m
response 38387130

(2) alpha-BHC #2 (A)
4.389min 19.600 ng/ml
response 629985851

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
 Data File : PD048355.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jul 2018 12:24
 Operator : AJ\MA
 Sample : INDA345
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

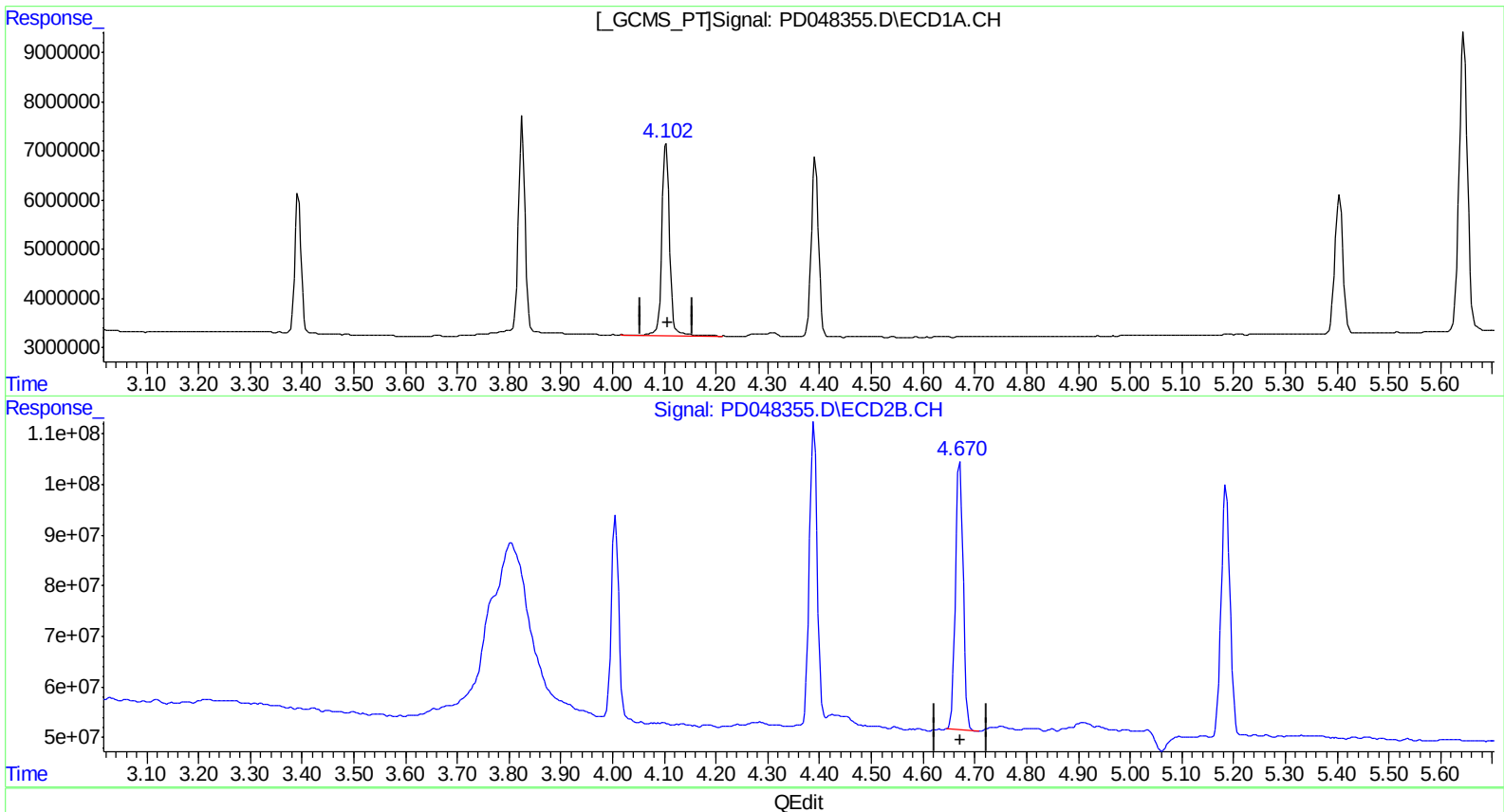
Instrument :
 ECD_D
 LabSampleId :
 INDA345

Manual Integrations
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Sohil
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Integration File signal 1: autoint1.e
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 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 29 16:27:50 2018
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 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(3) gamma-BHC (Lindane) (MA)

4.104min 21.064 ng/ml

response 39498139

(3) gamma-BHC (Lindane) #2 (MA)

4.671min 19.361 ng/ml

response 561638666

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:08:01 2018

Page: 1

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Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

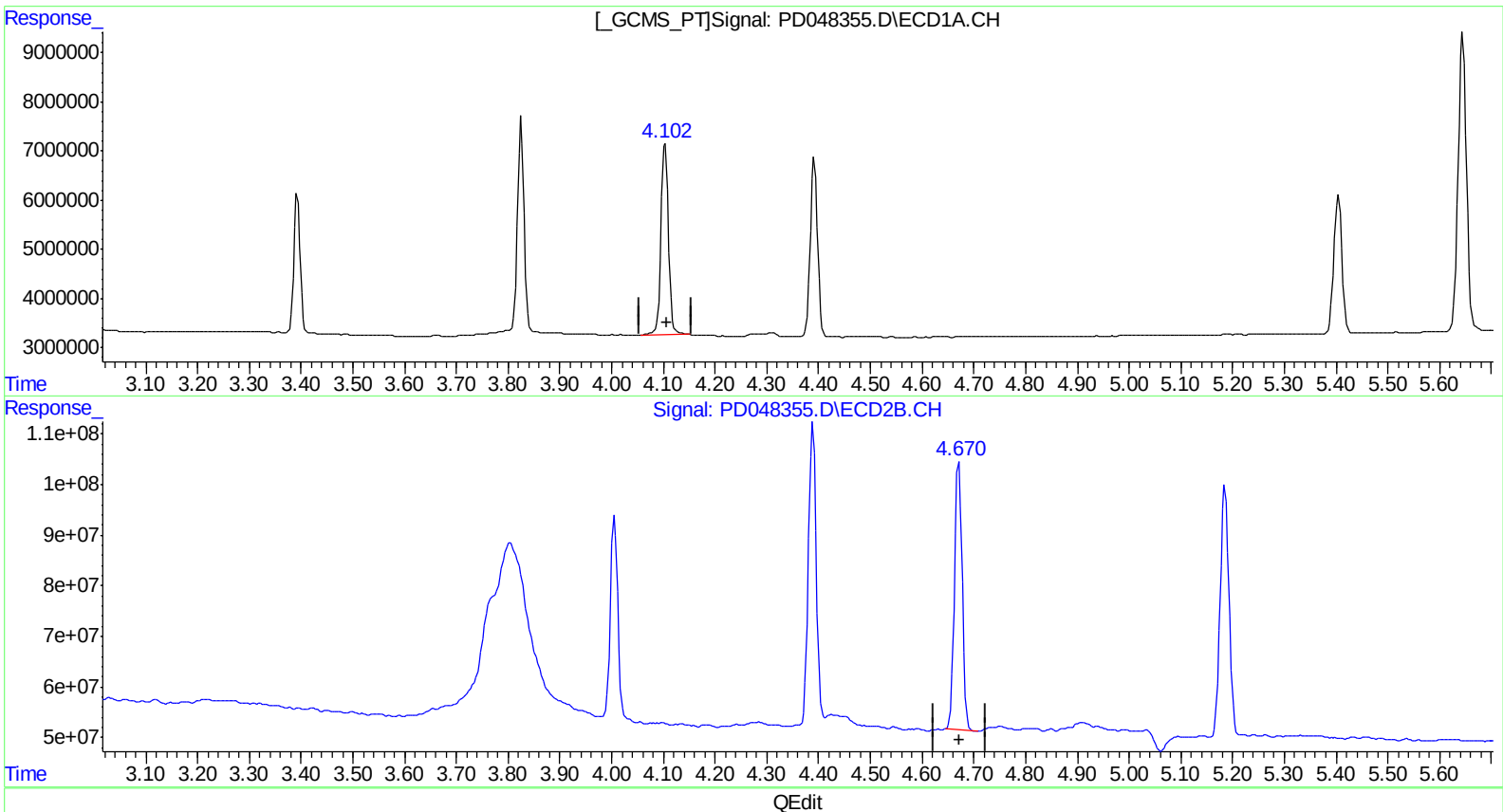
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(3) gamma-BHC (Lindane) (MA)

4.102min 20.613 ng/ml m

response 38652702

(3) gamma-BHC (Lindane) #2 (MA)

4.671min 19.361 ng/ml

response 561638666

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

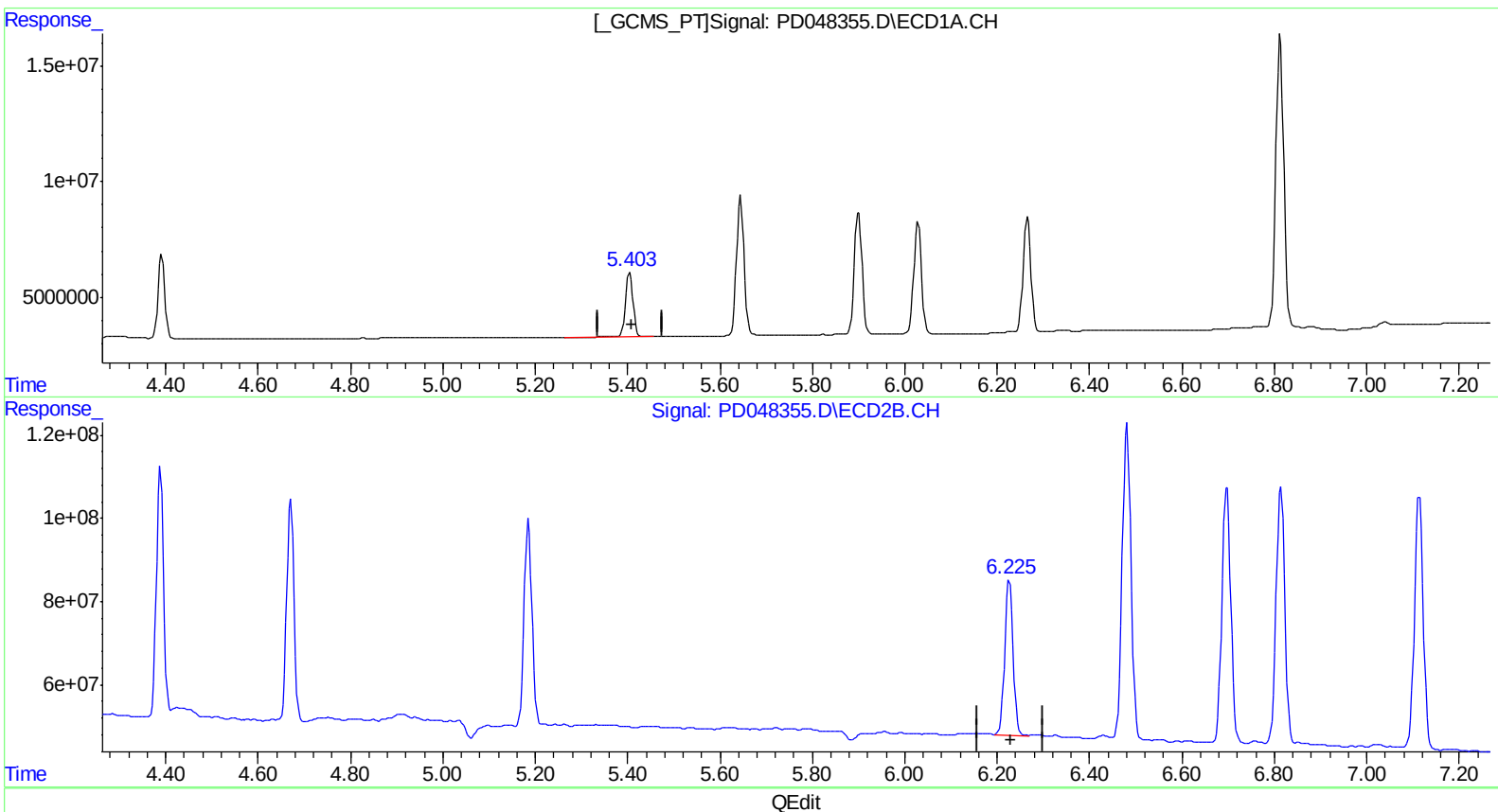
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
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Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(9) Endosulfan I (A)
5.405min 20.344 ng/ml
response 30845404

(9) Endosulfan I #2 (A)
6.226min 20.168 ng/ml
response 474473243

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

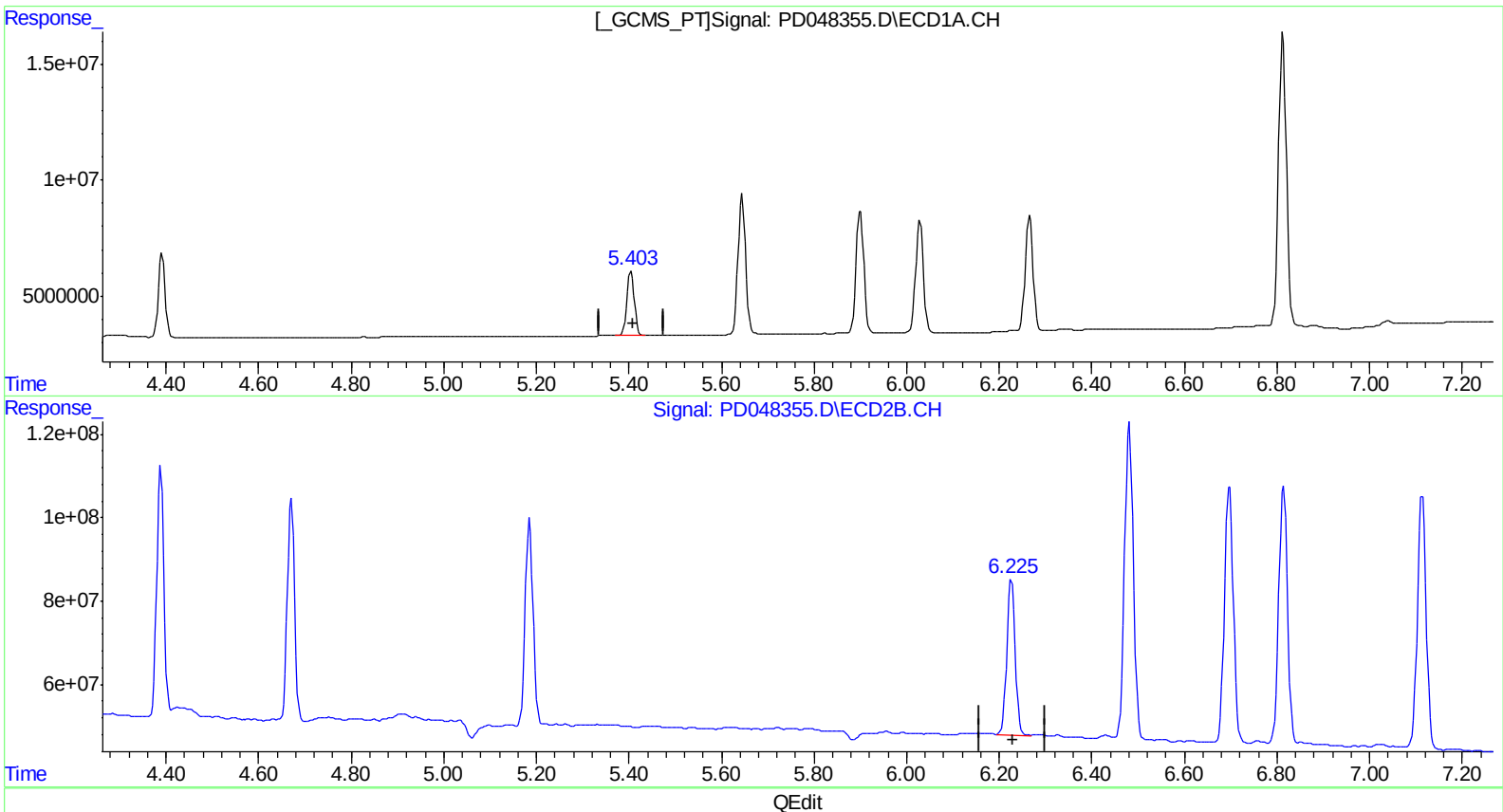
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(9) Endosulfan I (A)
5.403min 20.183 ng/ml m
response 30602214

(9) Endosulfan I #2 (A)
6.226min 20.168 ng/ml
response 474473243

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:08:26 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

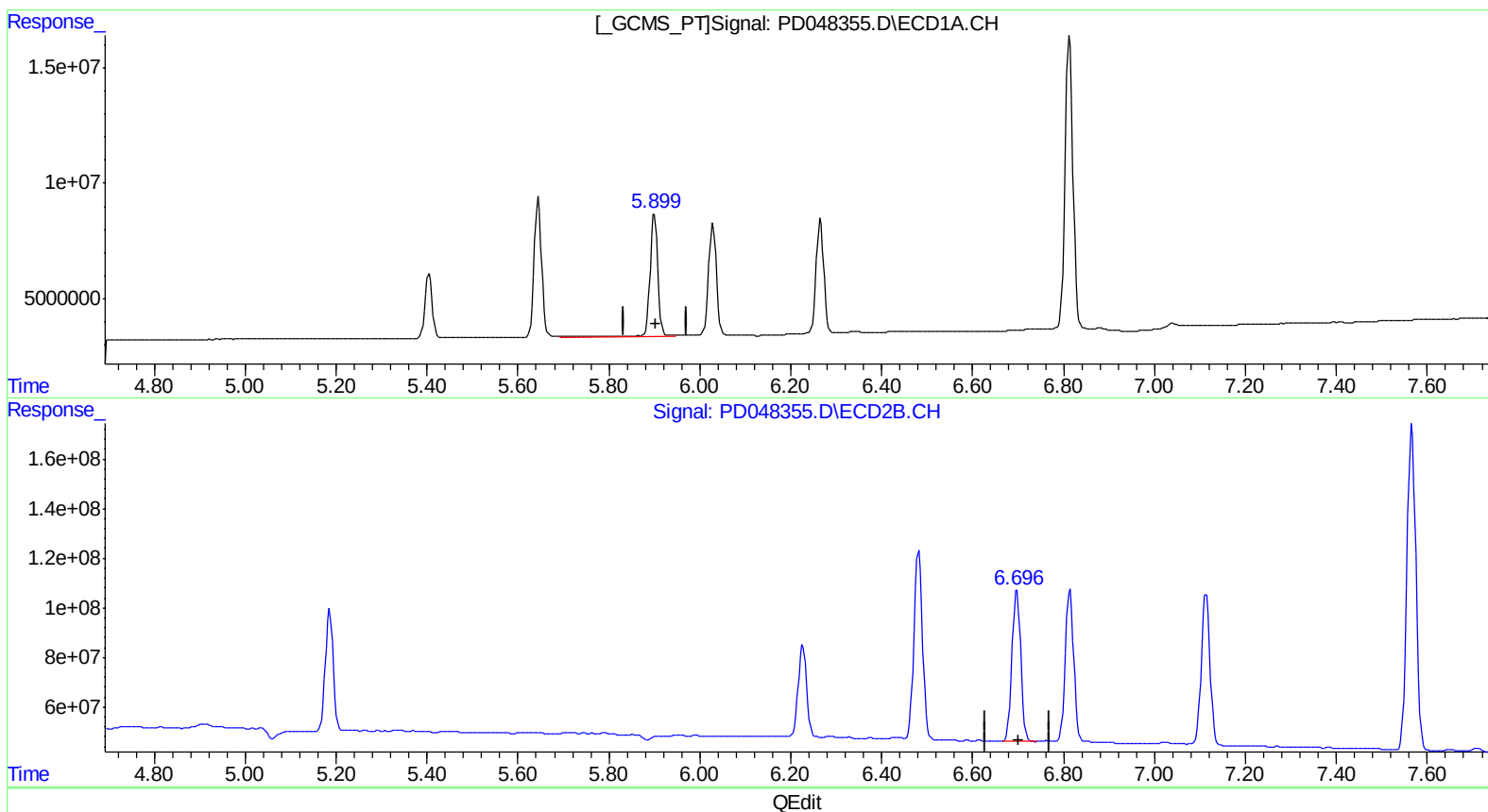
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:08 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(14) Endrin (MA)
5.900min 42.590 ng/ml
response 64125636

(14) Endrin #2 (MA)
6.697min 41.443 ng/ml
response 818477969

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

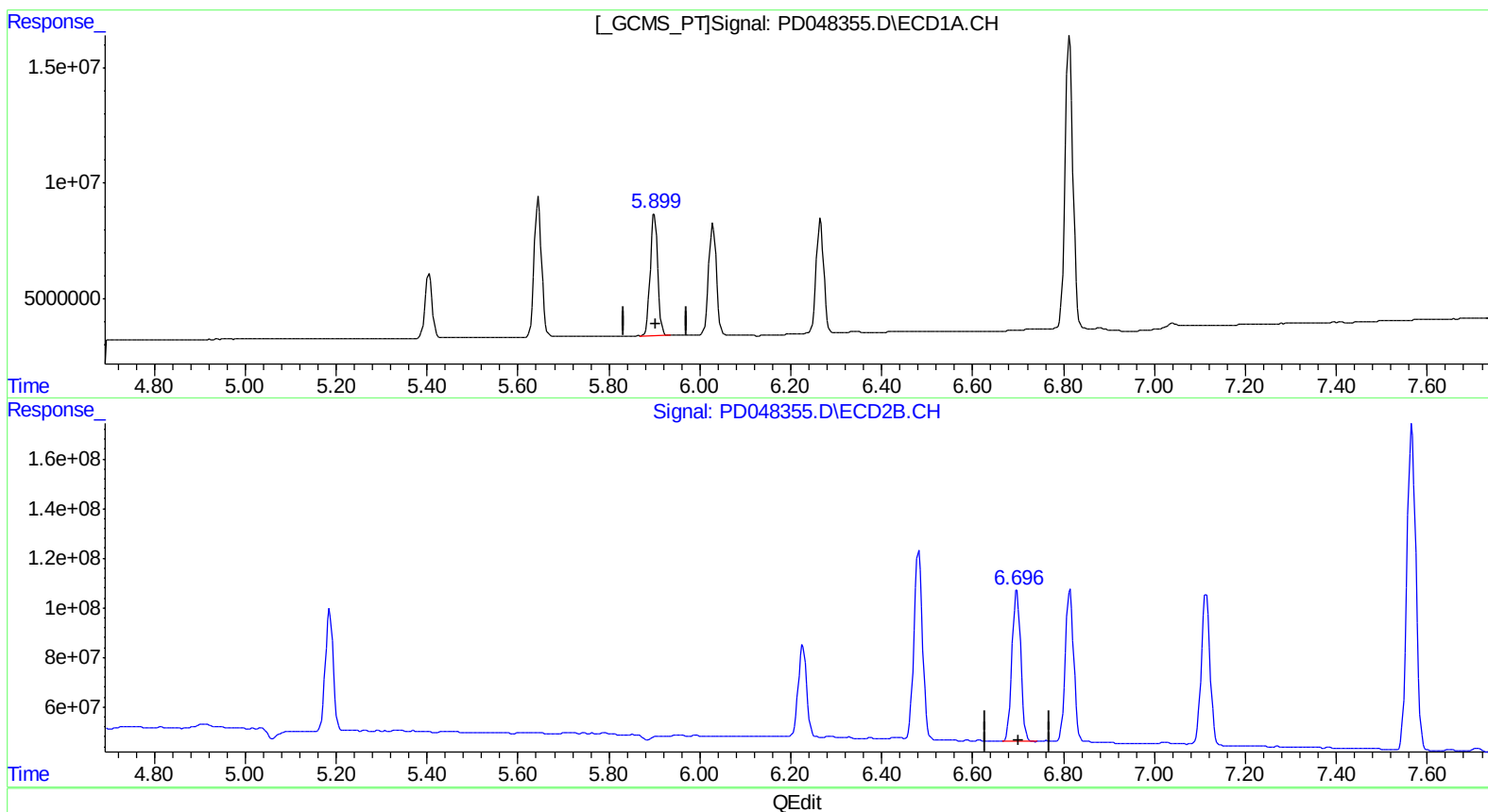
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:08 2018
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QLast Update : Fri Jun 29 16:27:50 2018
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(14) Endrin (MA)
5.899min 40.280 ng/ml m
response 60647317

(14) Endrin #2 (MA)
6.697min 41.443 ng/ml
response 818477969

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

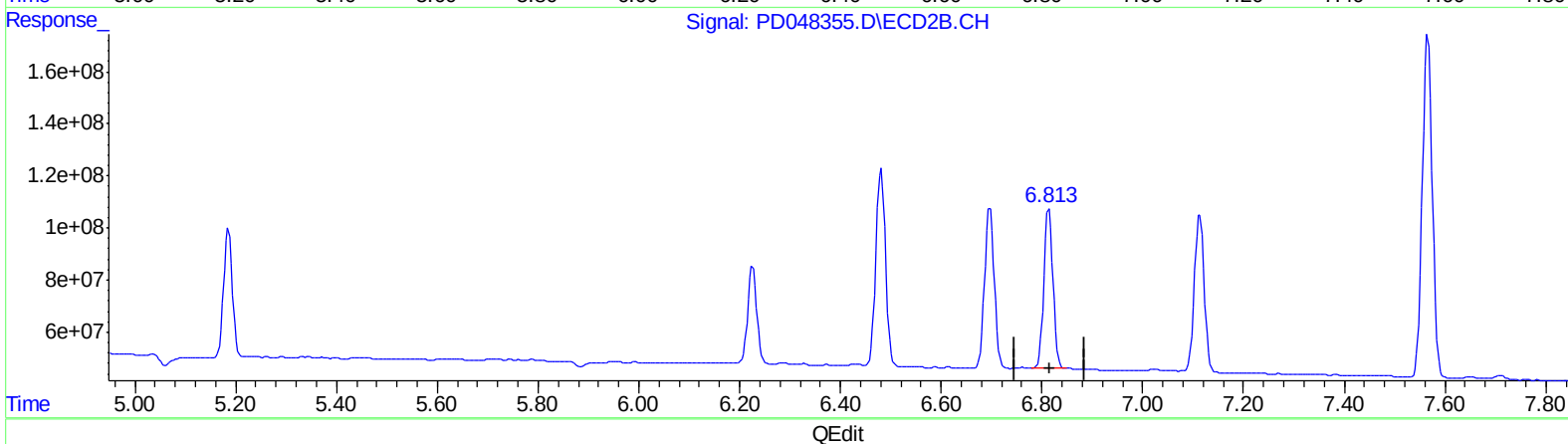
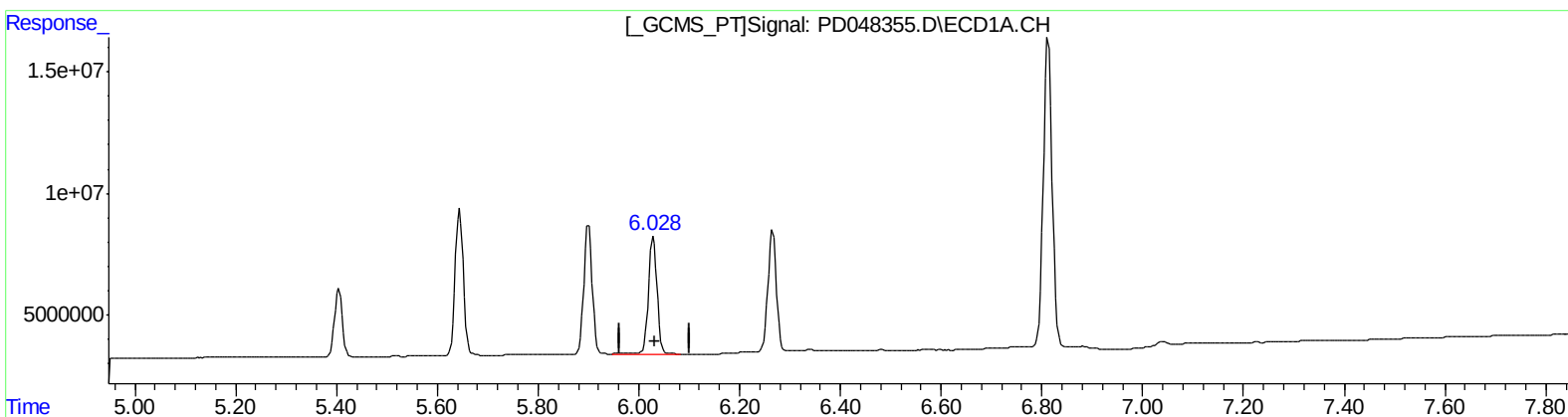
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LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(16) 4,4'-DDD (A)
6.029min 41.610 ng/ml
response 57589585

(16) 4,4'-DDD #2 (A)
6.814min 42.040 ng/ml
response 789058484

(+) = Expected Retention Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

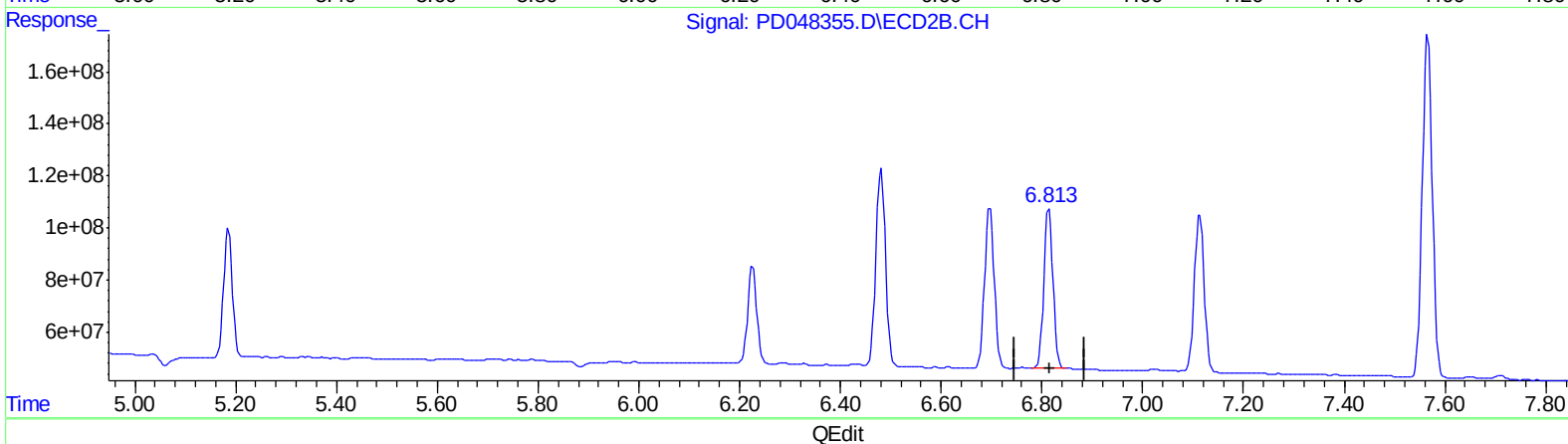
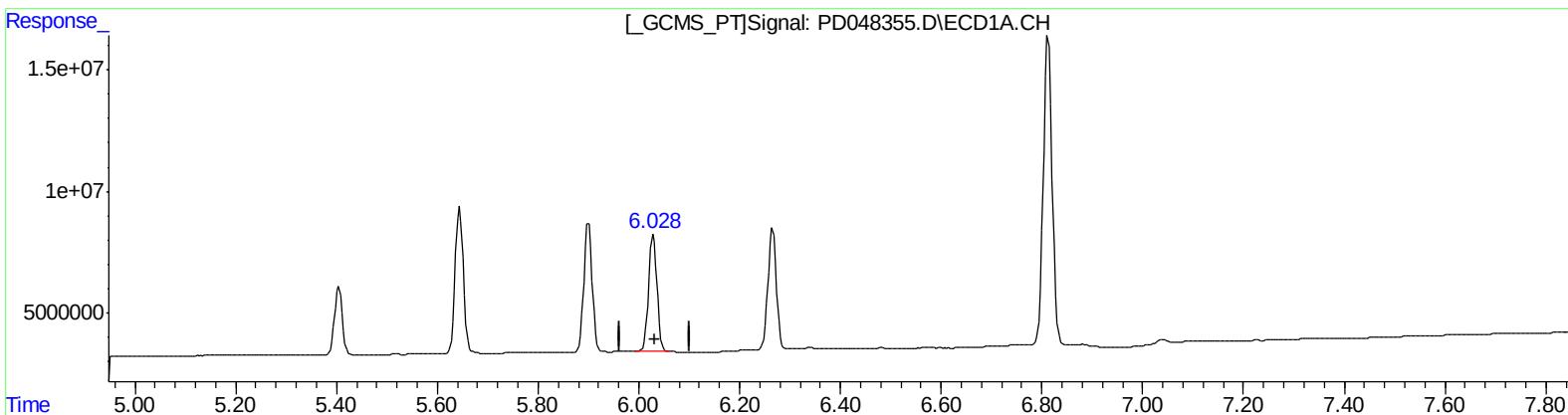
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(16) 4,4'-DDD (A)
6.028min 40.129 ng/ml m
response 55539951

(16) 4,4'-DDD #2 (A)
6.814min 42.040 ng/ml
response 789058484

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:09:02 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

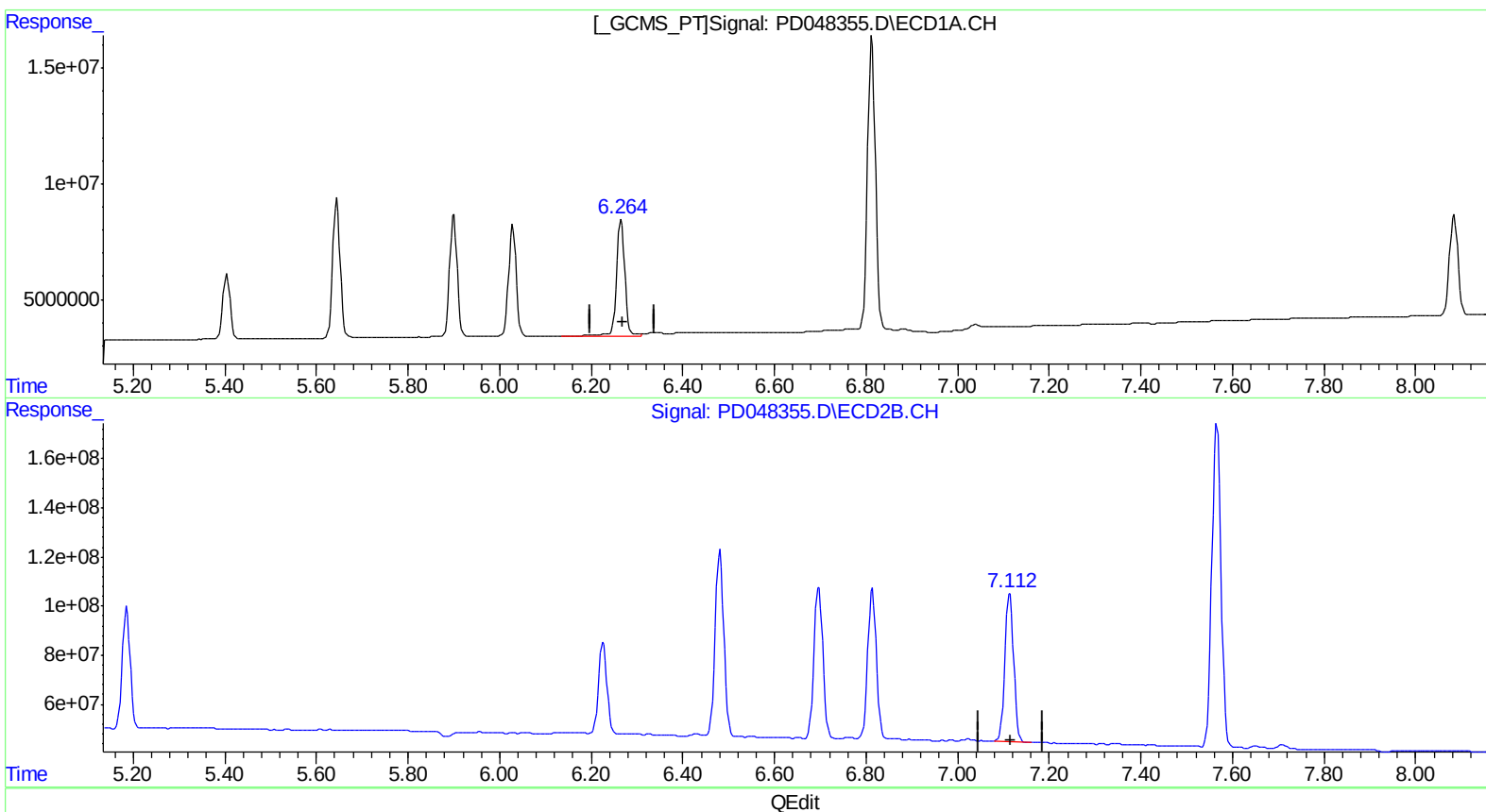
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

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Integration File signal 1: autoint1.e
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(17) 4,4'-DDT (MA)
6.266min 44.008 ng/ml
response 63708554

(17) 4,4'-DDT #2 (MA)
7.114min 42.373 ng/ml
response 812402111

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Sample : INDA345
Misc :
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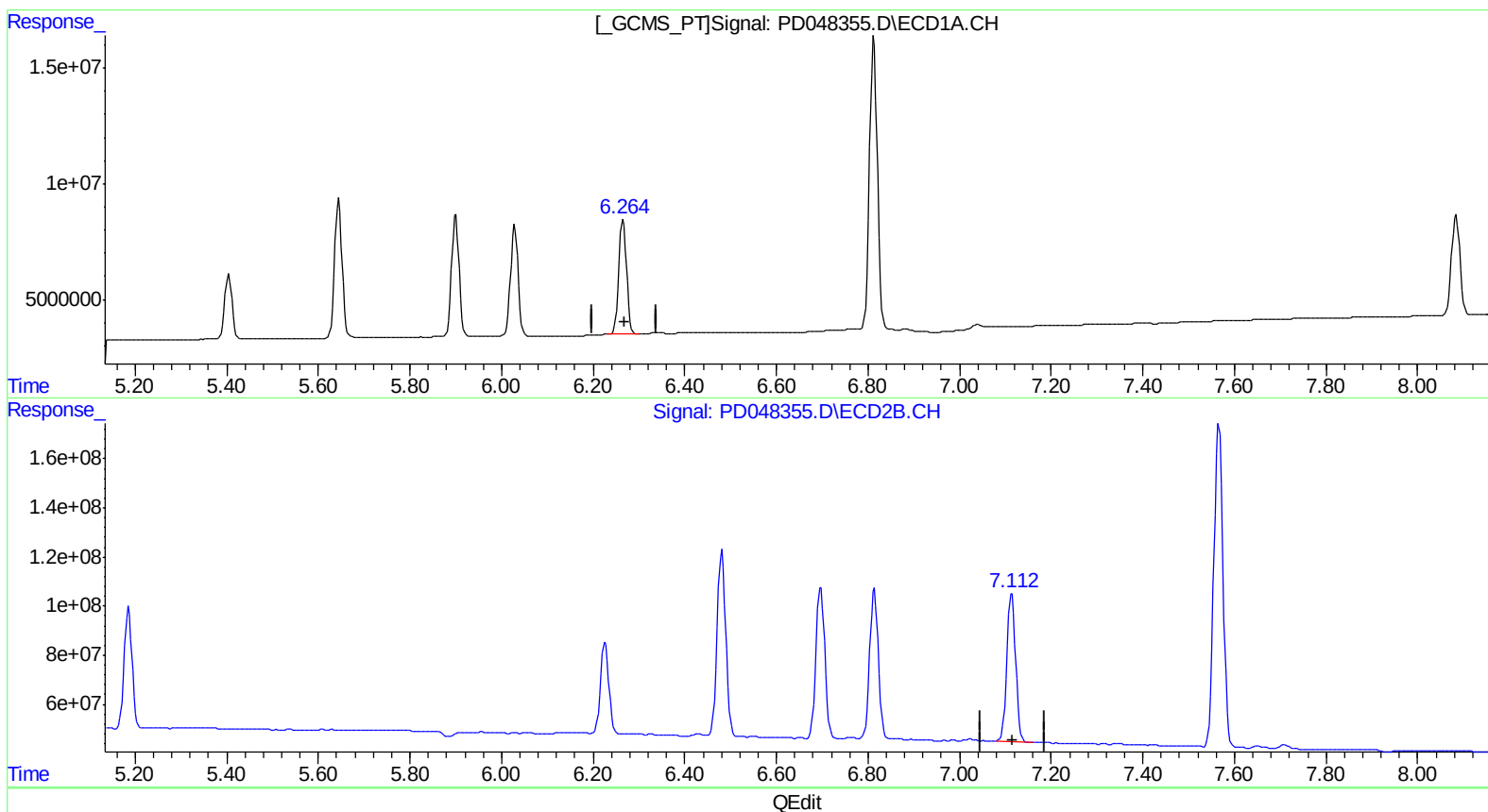
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
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Integration File signal 1: autoint1.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(17) 4,4'-DDT (MA)
6.264min 39.830 ng/ml m
response 57659473

(17) 4,4'-DDT #2 (MA)
7.114min 42.373 ng/ml
response 812402111

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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ALS Vial : 8 Sample Multiplier: 1

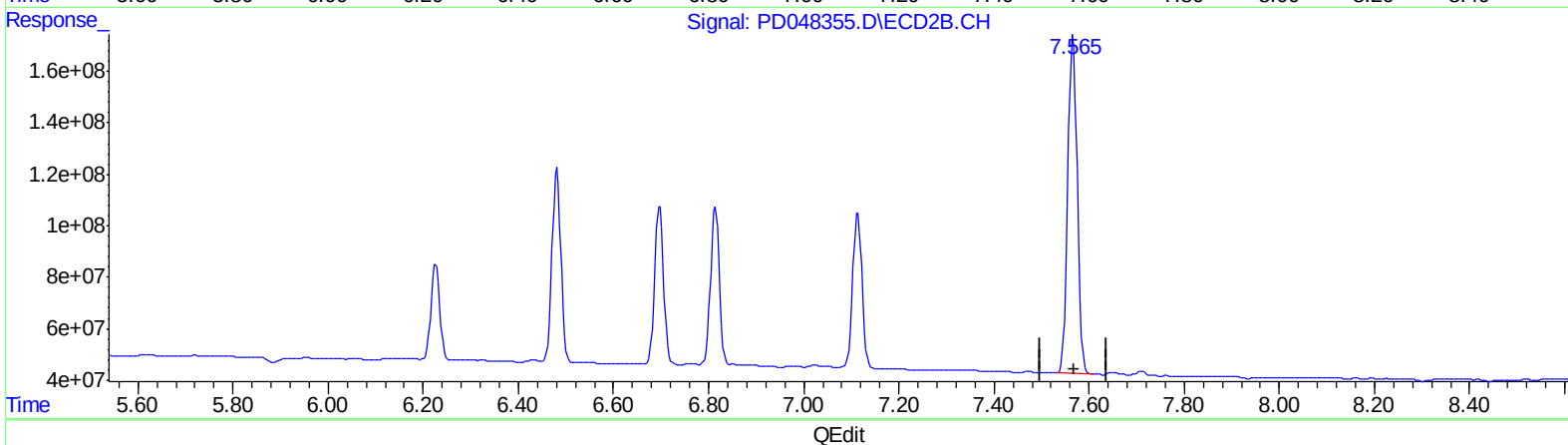
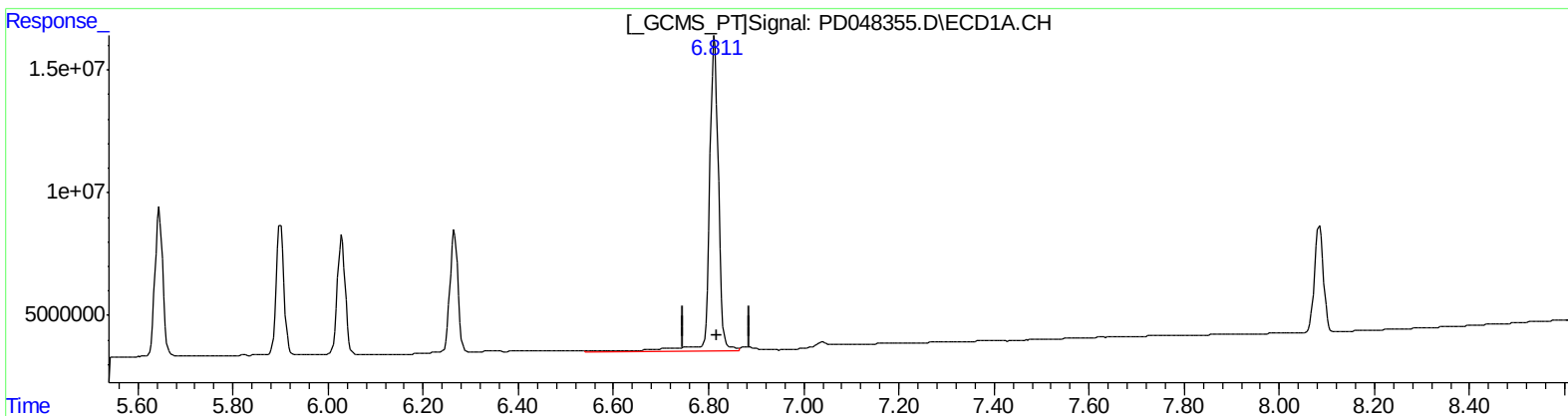
Instrument :
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LabSampleId :
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Manual Integrations
APPROVED

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7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(20) Methoxychlor (A)
6.813min 229.597 ng/ml
response 173728823

(20) Methoxychlor #2 (A)
7.566min 213.462 ng/ml
response 1807612200

(+) = Expected Retention Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

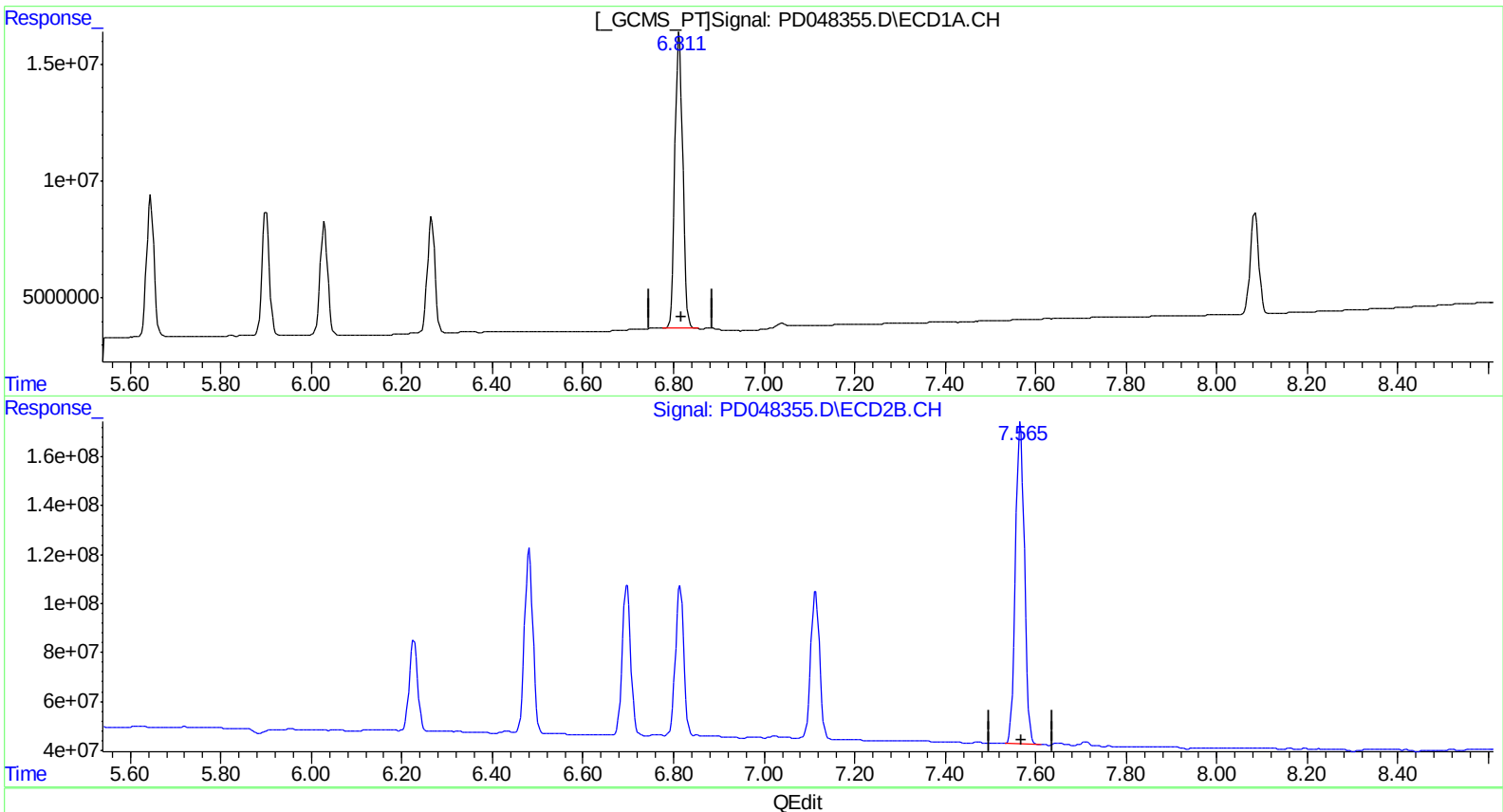
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:08 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(20) Methoxychlor (A)
6.811min 202.025 ng/ml m
response 152865928

(20) Methoxychlor #2 (A)
7.566min 213.462 ng/ml
response 1807612200

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

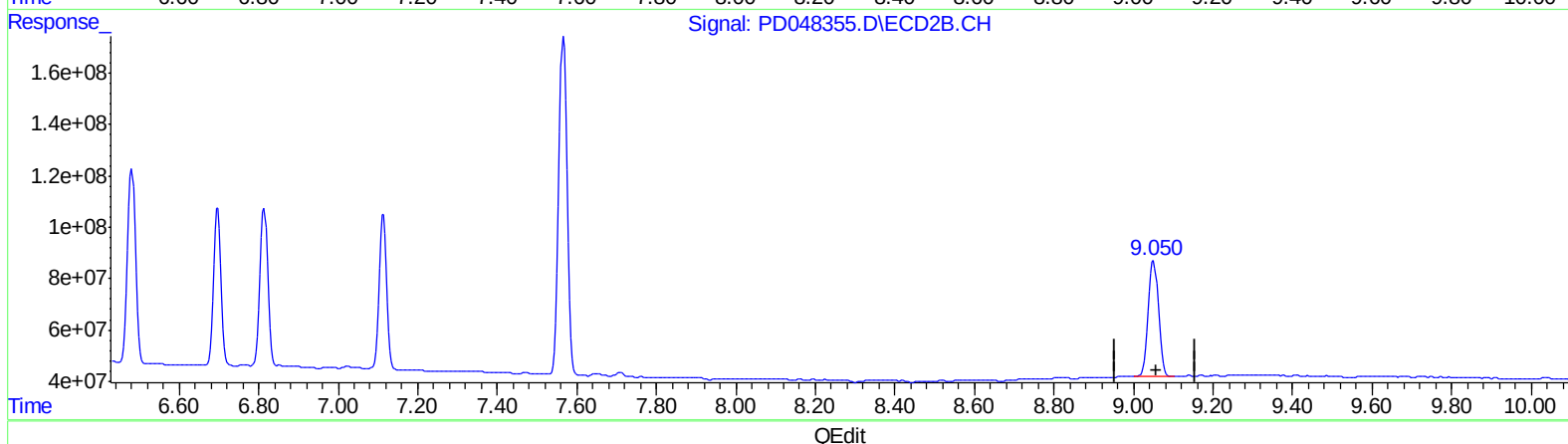
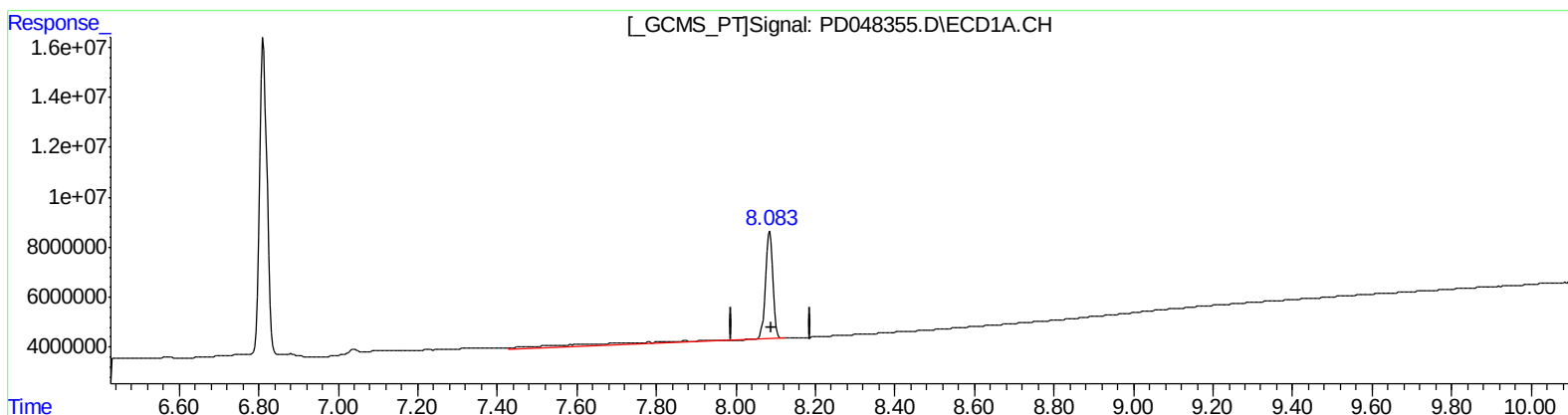
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 02:10:06 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(27) Decachlorobiphenyl (SA)

8.084min 58.655 ng/ml

response 78411318

(27) Decachlorobiphenyl #2 (SA)

9.051min 44.087 ng/ml

response 781220826

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:11:41 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048355.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:24
Operator : AJ\MA
Sample : INDA345
Misc :
ALS Vial : 8 Sample Multiplier: 1

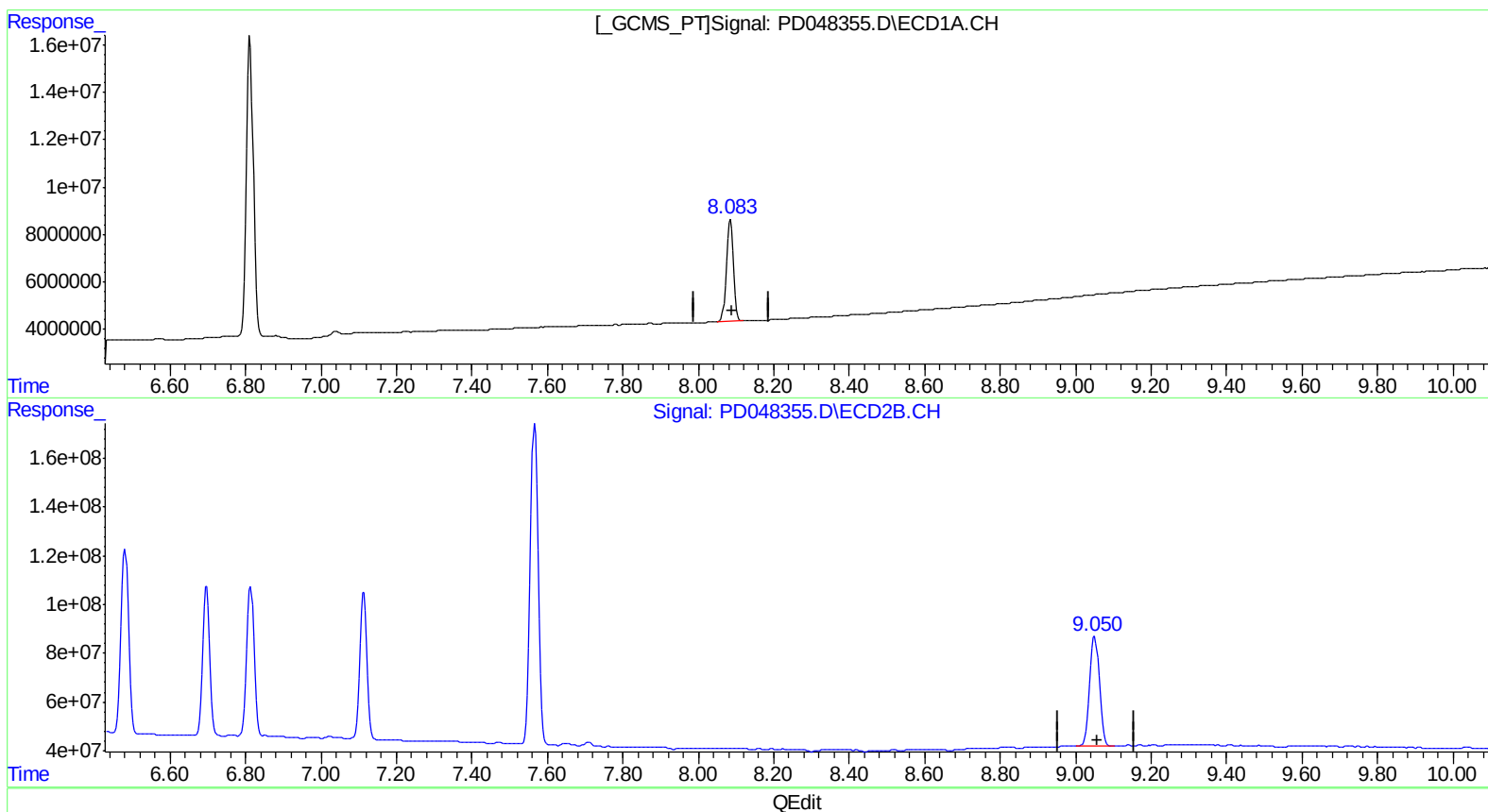
Instrument :
ECD_D
LabSampleId :
INDA345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:36 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 02:10:06 2018
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
Quant Title : GC Extractables
QLast Update : Fri Jun 29 16:27:50 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(27) Decachlorobiphenyl (SA)

8.083min 42.202 ng/ml m

response 56416479

(27) Decachlorobiphenyl #2 (SA)

9.051min 44.087 ng/ml

response 781220826

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
 Data File : PD048355.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jul 2018 12:24
 Operator : AJ\MA
 Sample : INDA345
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 LabSampleId :
 INDA345

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 12 02:11:34 2018
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 29 16:27:50 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Manual Integrations
 APPROVED

Sohil
 7/13/2018 2:47:36 PM

Volume Inj. : 1 ul
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.391	4.006	24385284	396.5E6	20.180m)	19.475
27) SA Decachlor...	8.083	9.051	56416479	781.2E6	42.202m)	44.087
Target Compounds						
2) A alpha-BHC	3.824	4.389	38387130	630.0E6	20.176m)	19.600
3) MA gamma-BHC...	4.102	4.671	38652702	561.6E6	20.613m)	19.361
4) MA Heptachlor	4.392	5.186	36192463	587.0E6	20.457	20.290
9) A Endosulfan I	5.403	6.226	30602214	474.5E6	20.183m)	20.168
13) MA Dieldrin	5.645	6.481	69841955	1006.7E6	40.389	41.717
14) MA Endrin	5.899	6.697	60647317	818.5E6	40.280m)	41.443
16) A 4,4'-DDD	6.028	6.814	55539951	789.1E6	40.129m)	42.040
17) MA 4,4'-DDT	6.264	7.114	57659473	812.4E6	39.830m)	42.373
20) A Methoxychlor	6.811	7.566	152.9E6	1807.6E6	202.025m)	213.462

AJ07/17/18

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.