

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

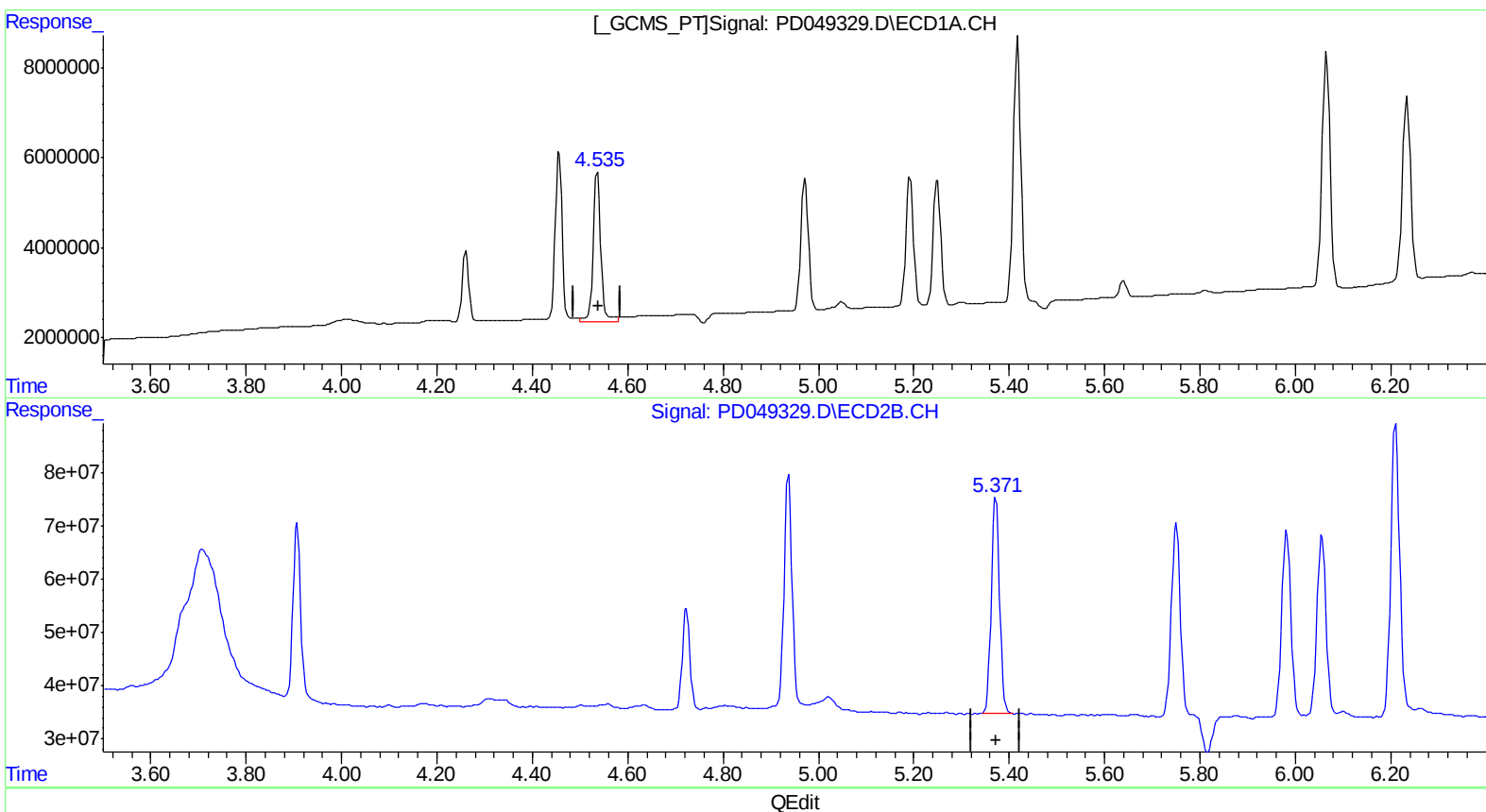
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 04:36:35 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091918CLP.M
Quant Title : GC Extractables
QLast Update : Thu Sep 20 04:32:05 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



(5) Aldrin (MB)
4.537min 21.258 ng/ml
response 38360573

(5) Aldrin #2 (MB)
5.373min 18.968 ng/ml
response 499364235

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

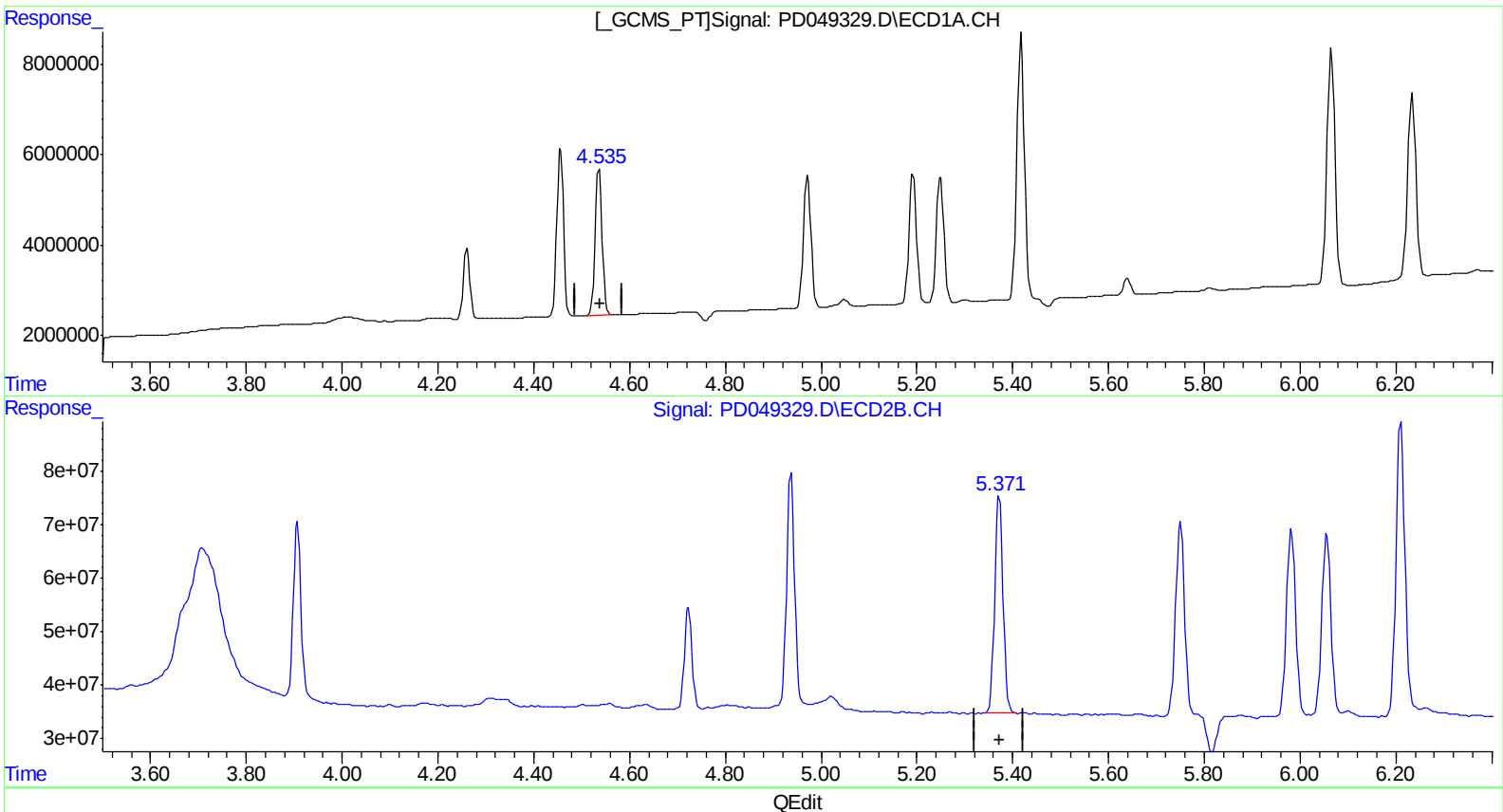
Instrument :
ECD_D
LabSampleId :
INDB324

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



(5) Aldrin (MB)
4.535min 18.567 ng/ml m
response 33504383

(5) Aldrin #2 (MB)
5.373min 18.968 ng/ml
response 499364235

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
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Sample : INDB324
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ALS Vial : 24 Sample Multiplier: 1

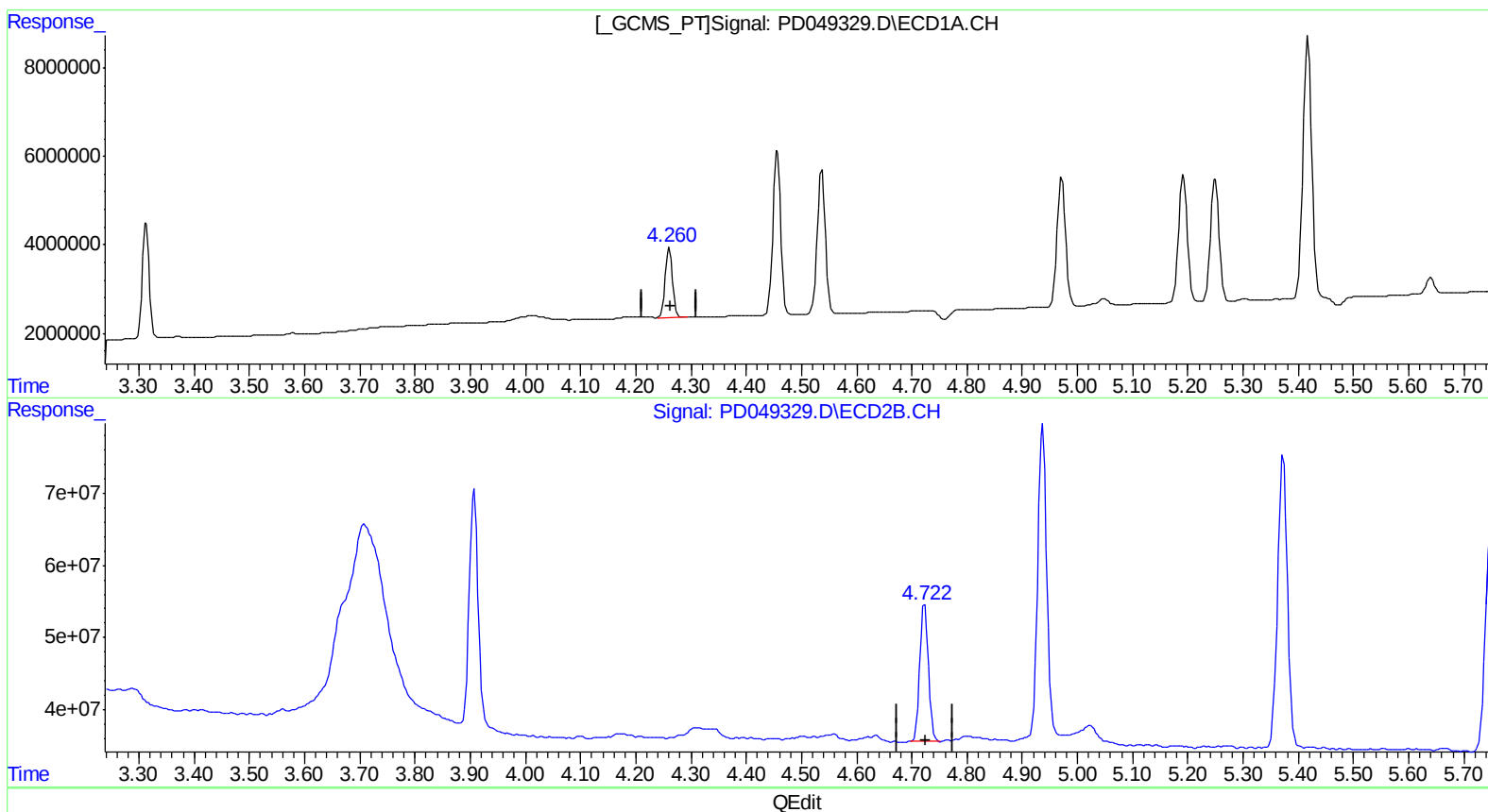
Instrument :
ECD_D
LabSampleId :
INDB324

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



(6) beta-BHC (B)

4.261min 19.167 ng/ml

response 15050255

(6) beta-BHC #2 (B)

4.723min 18.651 ng/ml

response 210743471

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

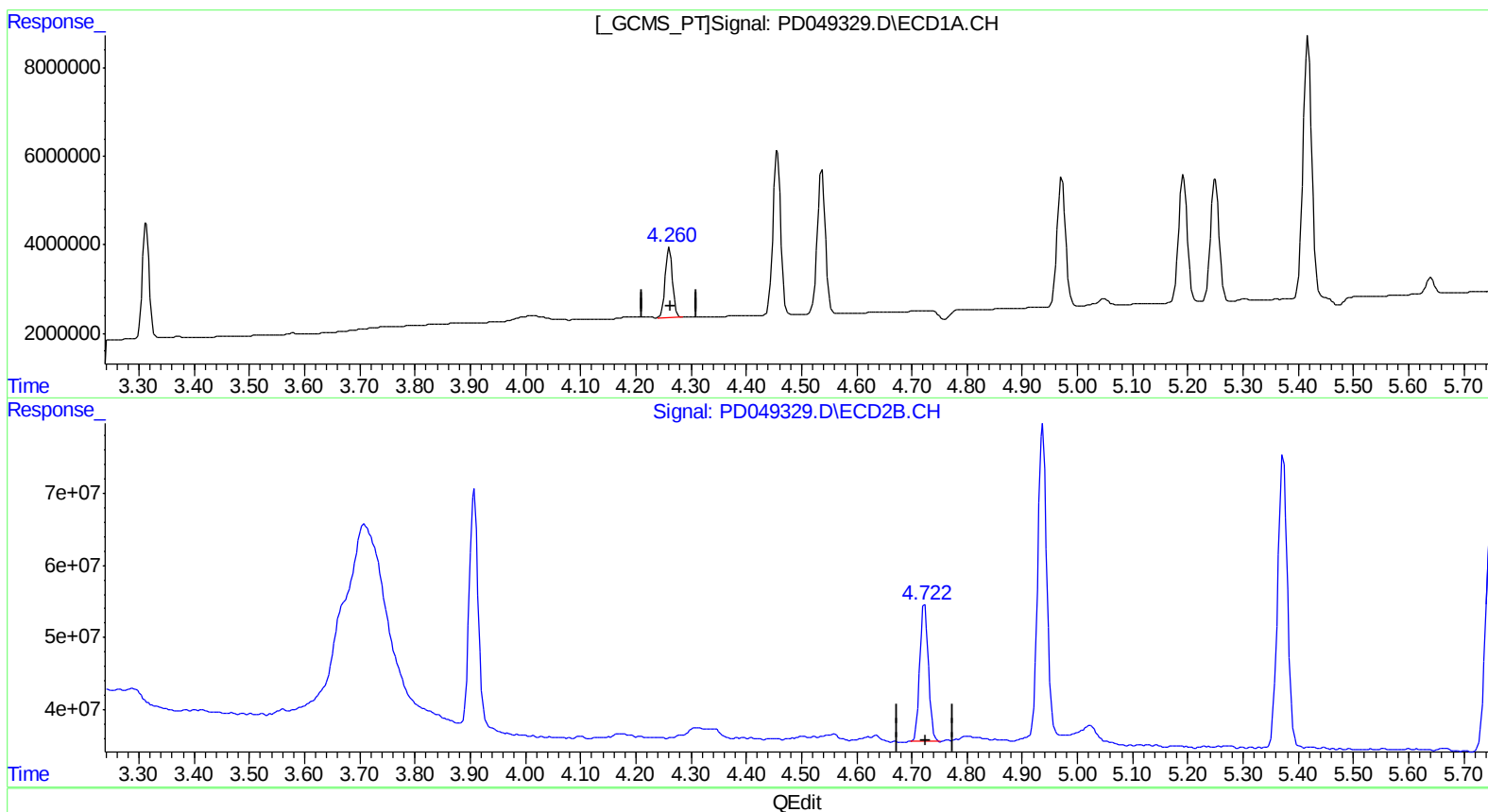
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

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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



(6) beta-BHC (B)
4.260min 18.808 ng/ml m
response 14768865

(6) beta-BHC #2 (B)
4.723min 18.651 ng/ml
response 210743471

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
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Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

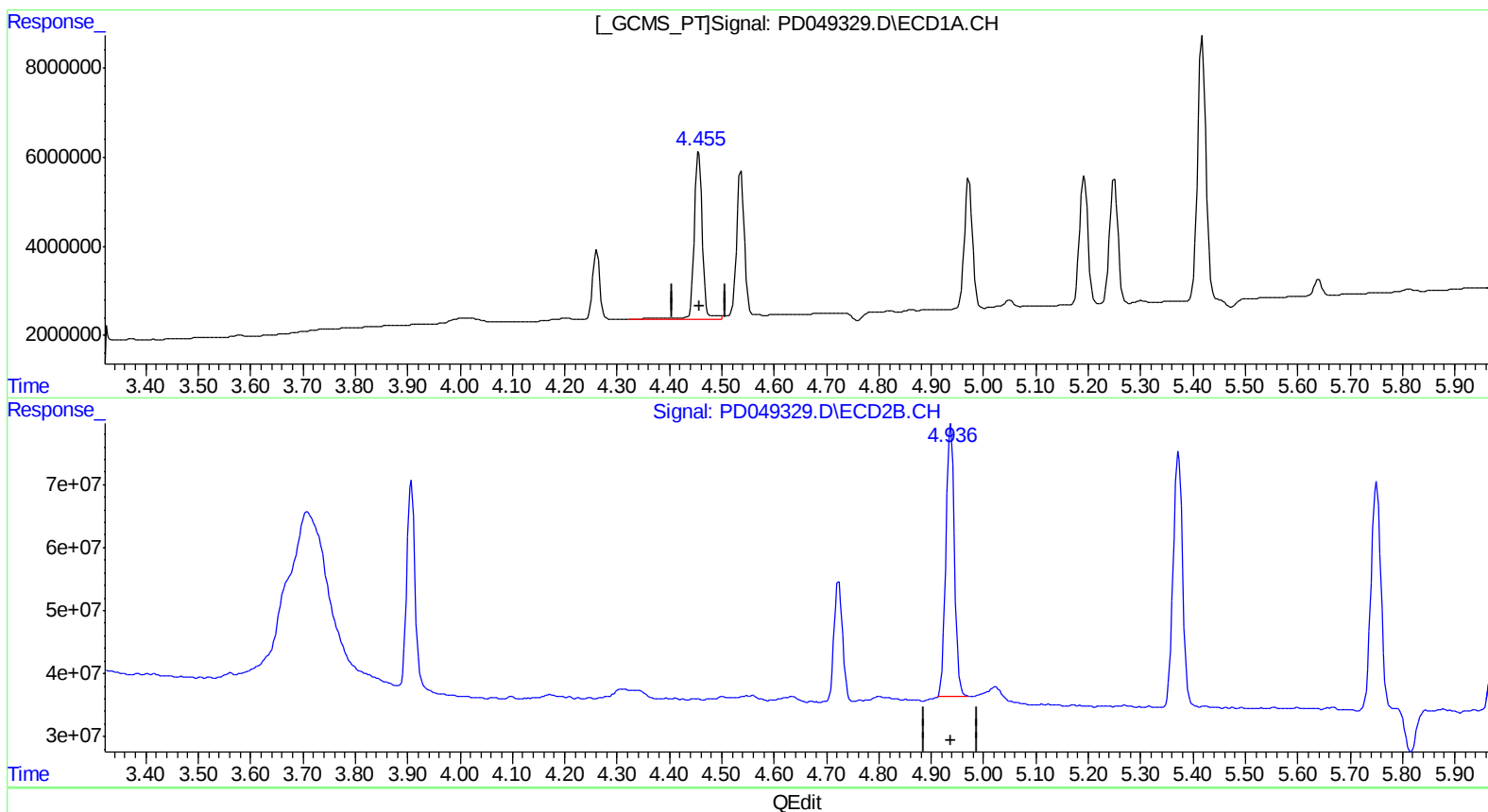
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ECD_D
LabSampleId :
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Manual Integrations
APPROVED

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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 x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(7) delta-BHC (B)
4.456min 20.852 ng/ml
response 40980774

(7) delta-BHC #2 (B)
4.937min 19.450 ng/ml
response 486915799

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

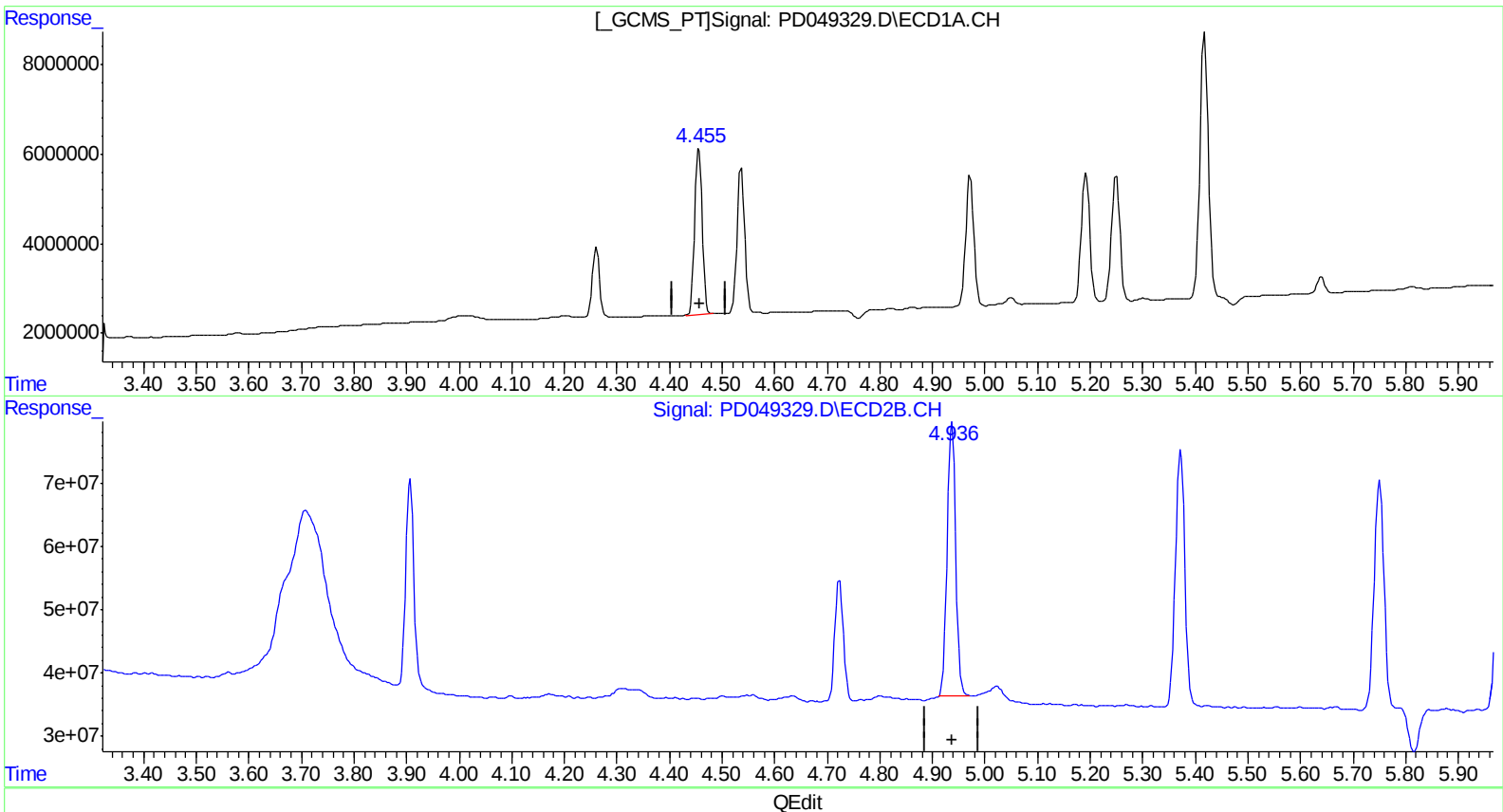
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 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 x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(7) delta-BHC (B)
4.455min 18.570 ng/ml m
response 36495272

(7) delta-BHC #2 (B)
4.937min 19.450 ng/ml
response 486915799

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 07:14:56 2018

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

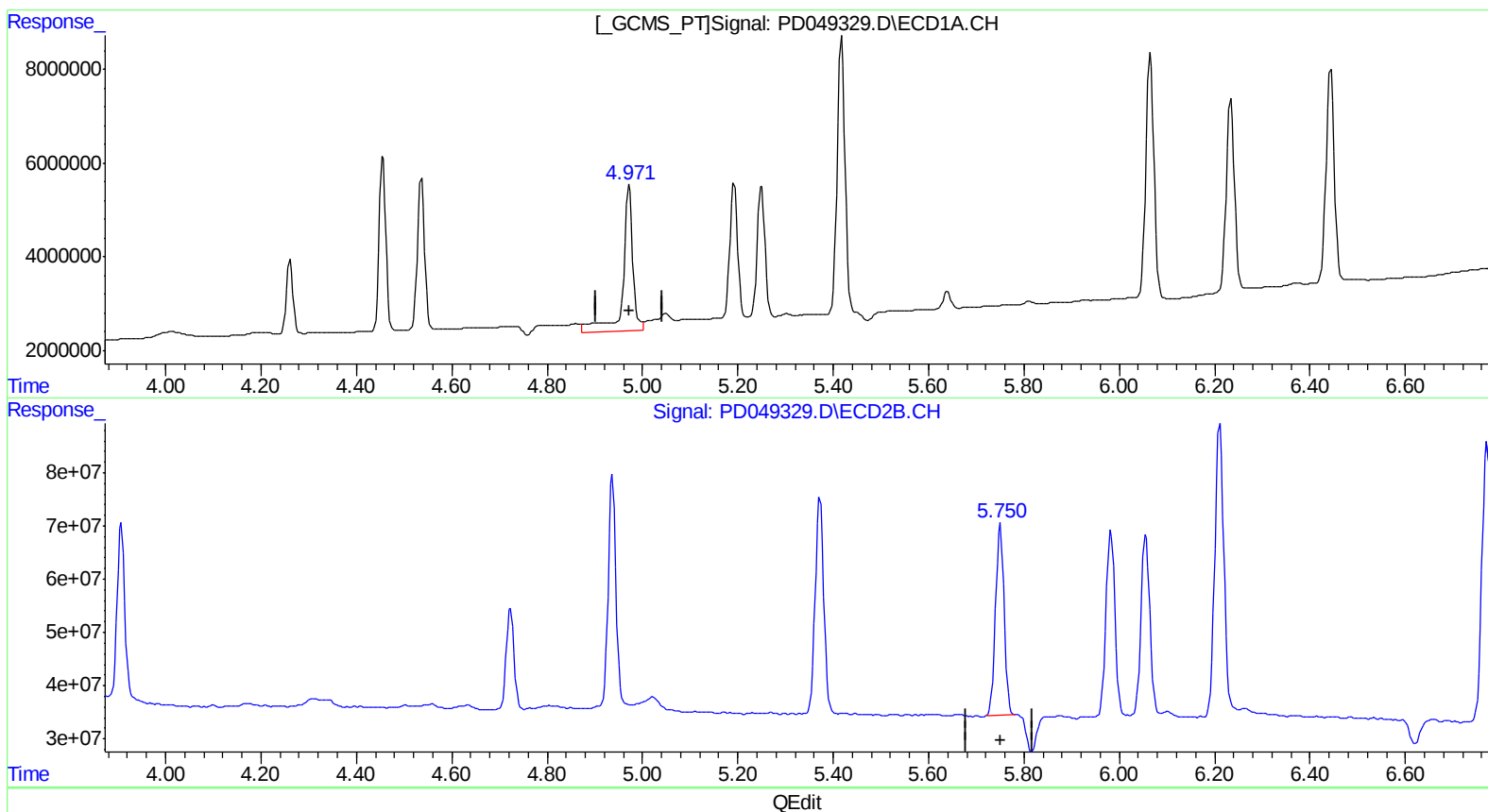
Instrument :
ECD_D
LabSampleId :
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Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 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



(8) Heptachlor epoxide (B)
4.972min 27.170 ng/ml
response 46381338

(8) Heptachlor epoxide #2 (B)
5.751min 19.143 ng/ml
response 459693512

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

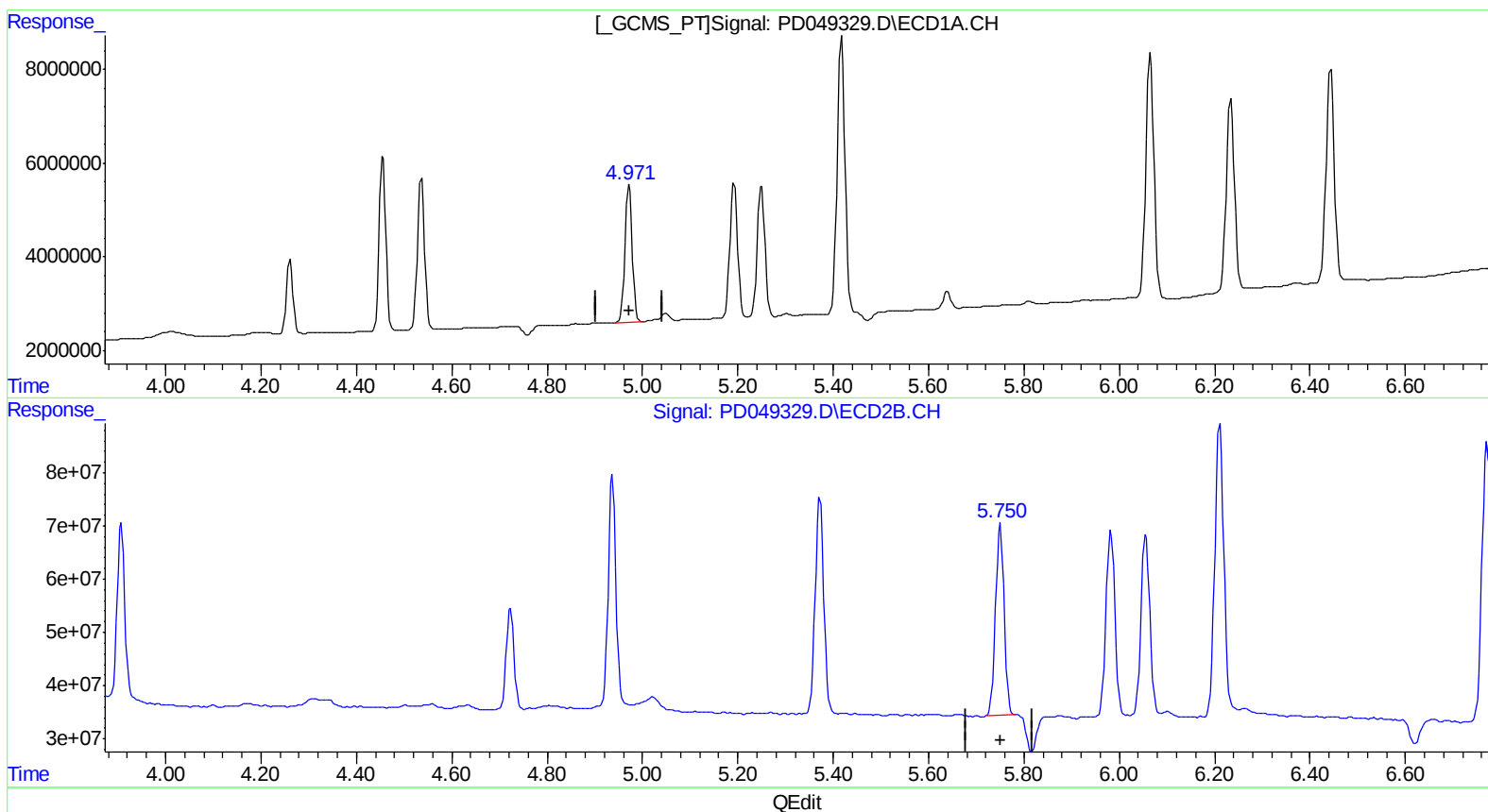
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
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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



(8) Heptachlor epoxide (B)
4.971min 18.645 ng/ml m
response 31827333

(8) Heptachlor epoxide #2 (B)
5.751min 19.143 ng/ml
response 459693512

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

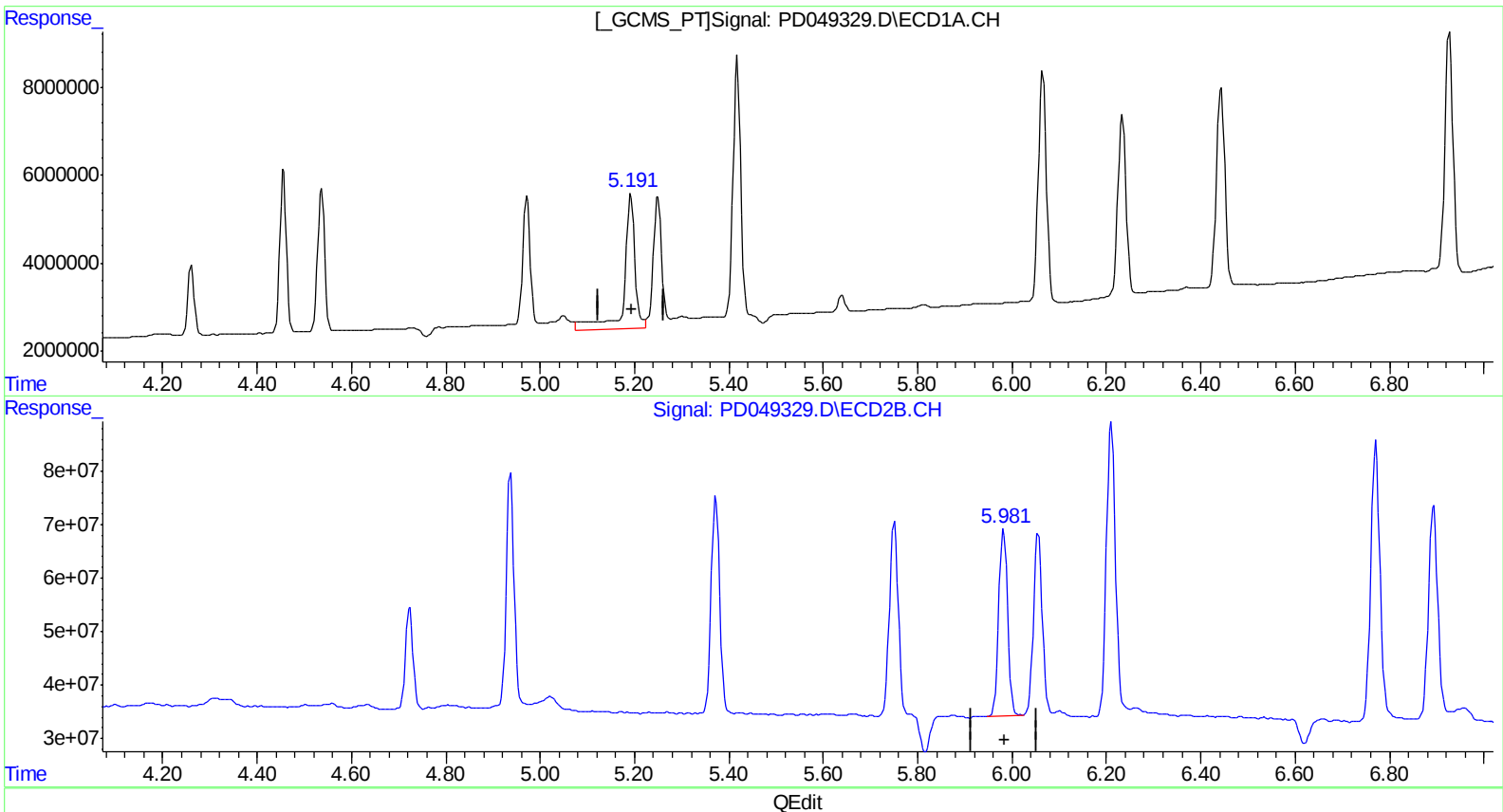
Instrument :
ECD_D
LabSampleId :
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Manual Integrations
APPROVED

Sohil
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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



(10) trans-Chlordane (B)

5.192min 28.079 ng/ml

response 48686870

(10) trans-Chlordane #2 (B)

5.982min 18.802 ng/ml

response 462084257

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

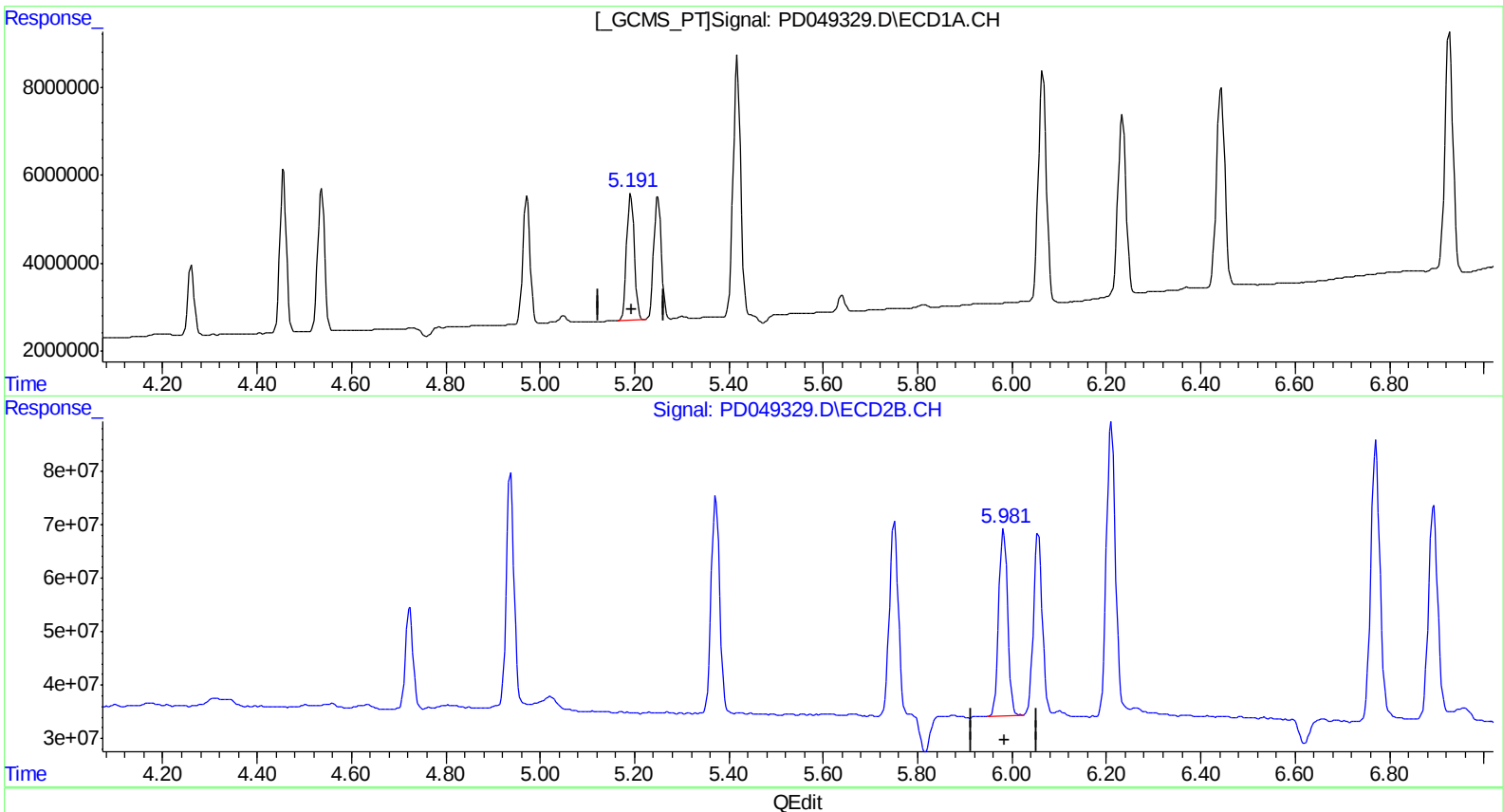
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 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



(10) trans-Chlordane (B)
5.191min 18.714 ng/ml m
response 32449202

(10) trans-Chlordane #2 (B)
5.982min 18.802 ng/ml
response 462084257

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

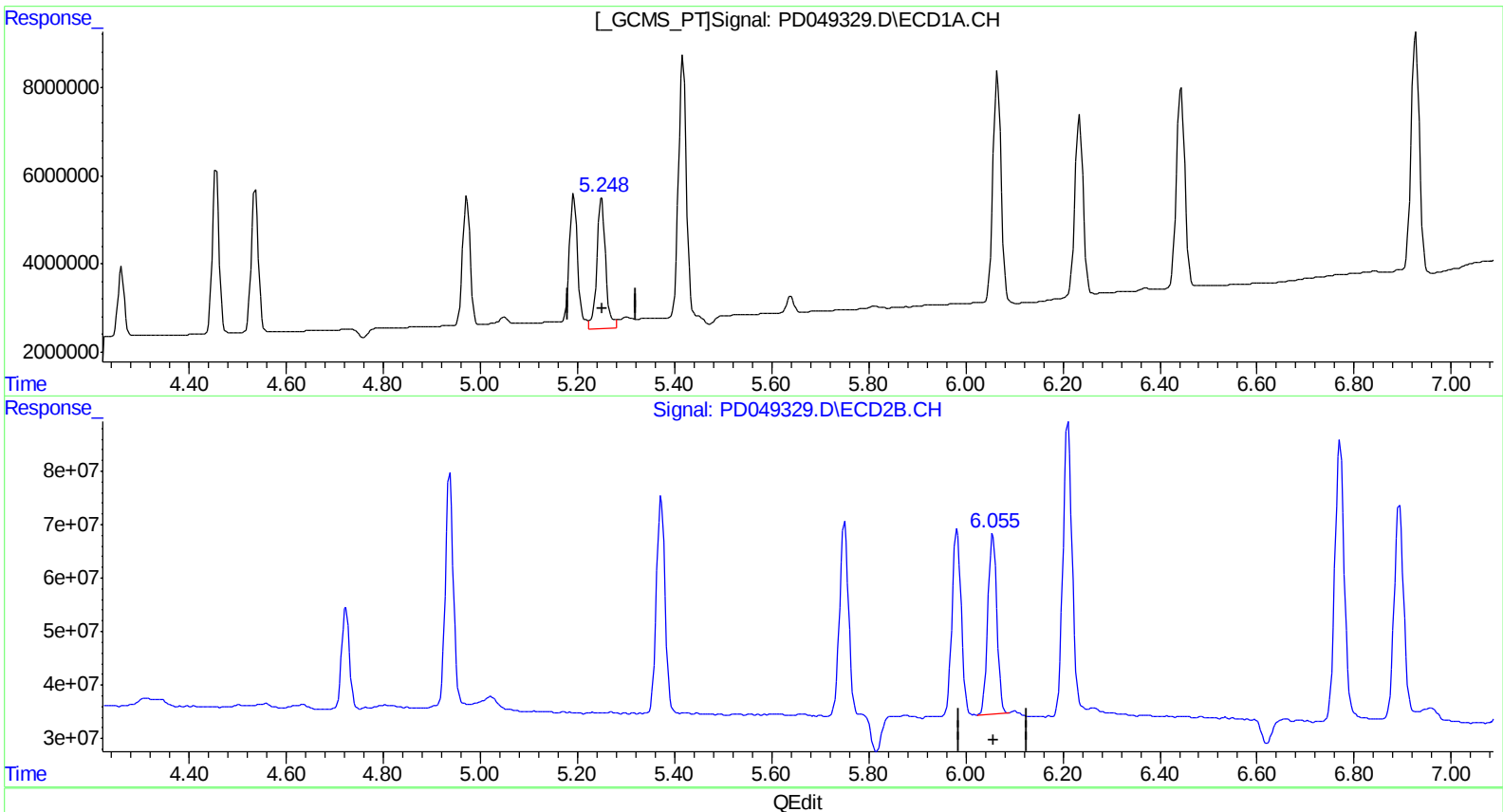
Instrument :
ECD_D
LabSampleId :
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Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

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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



(11) cis-Chlordane (B)

5.250min 22.390 ng/ml

response 37235299

(11) cis-Chlordane #2 (B)

6.056min 18.827 ng/ml

response 437064232

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

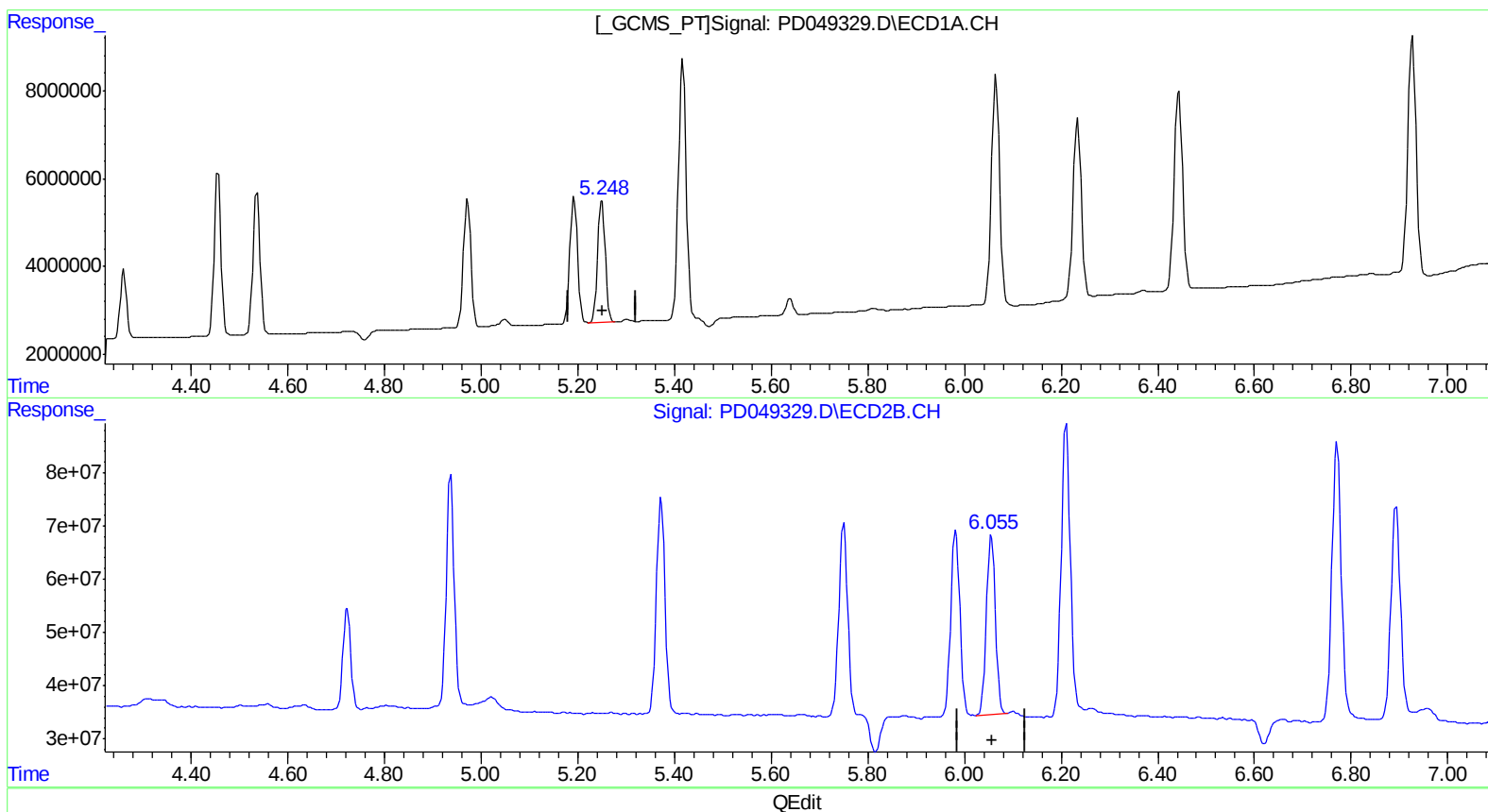
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ECD_D
LabSampleId :
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Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

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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



(11) cis-Chlordane (B)
5.248min 18.613 ng/ml m
response 30954072

(11) cis-Chlordane #2 (B)
6.056min 18.827 ng/ml
response 437064232

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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ALS Vial : 24 Sample Multiplier: 1

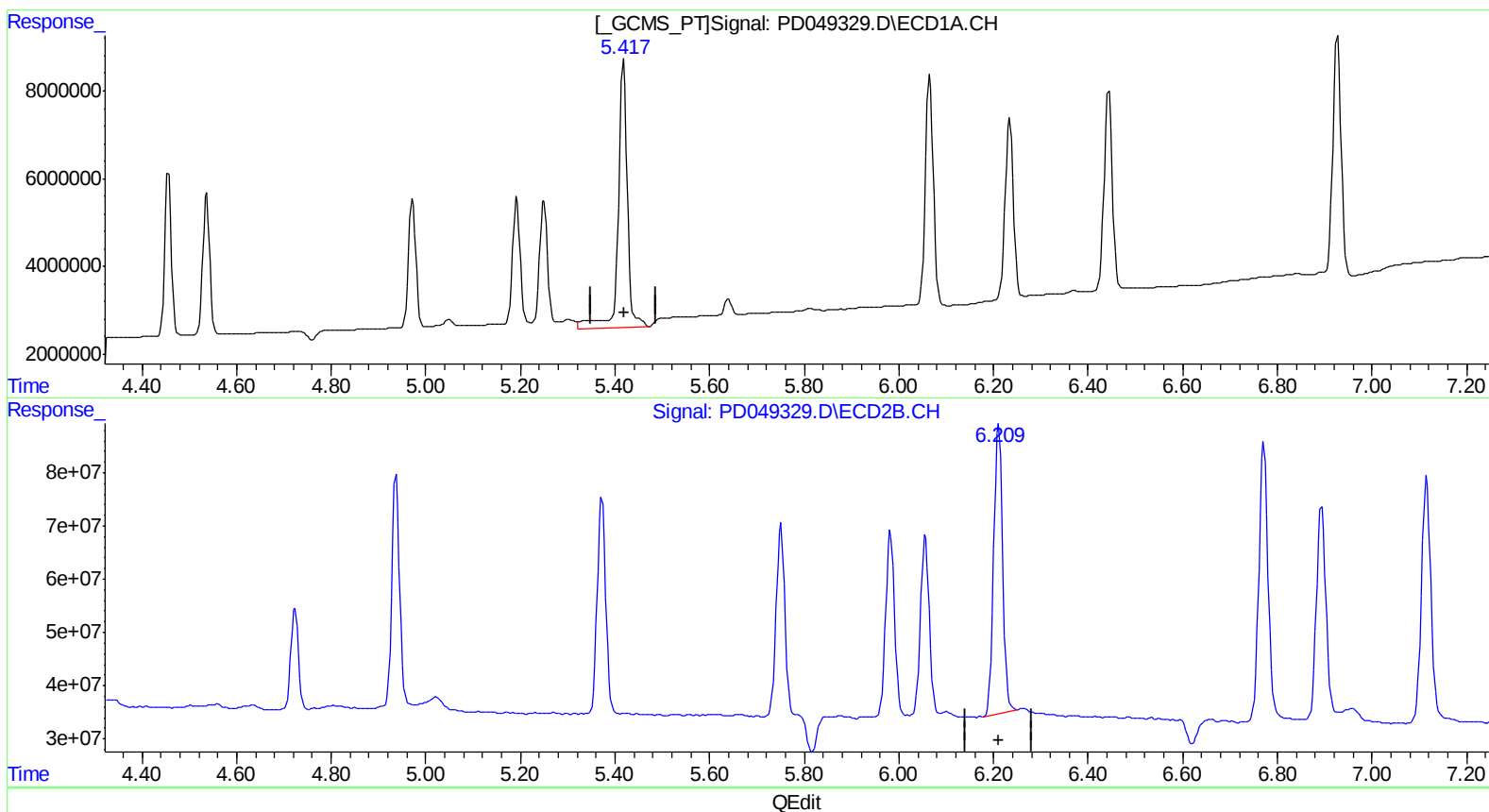
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Manual Integrations
APPROVED

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9/25/2018 1:15:32 PM

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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



(12) 4,4'-DDE (B)
5.418min 44.798 ng/ml
response 81563826

(12) 4,4'-DDE #2 (B)
6.211min 37.465 ng/ml
response 715591034

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
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Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

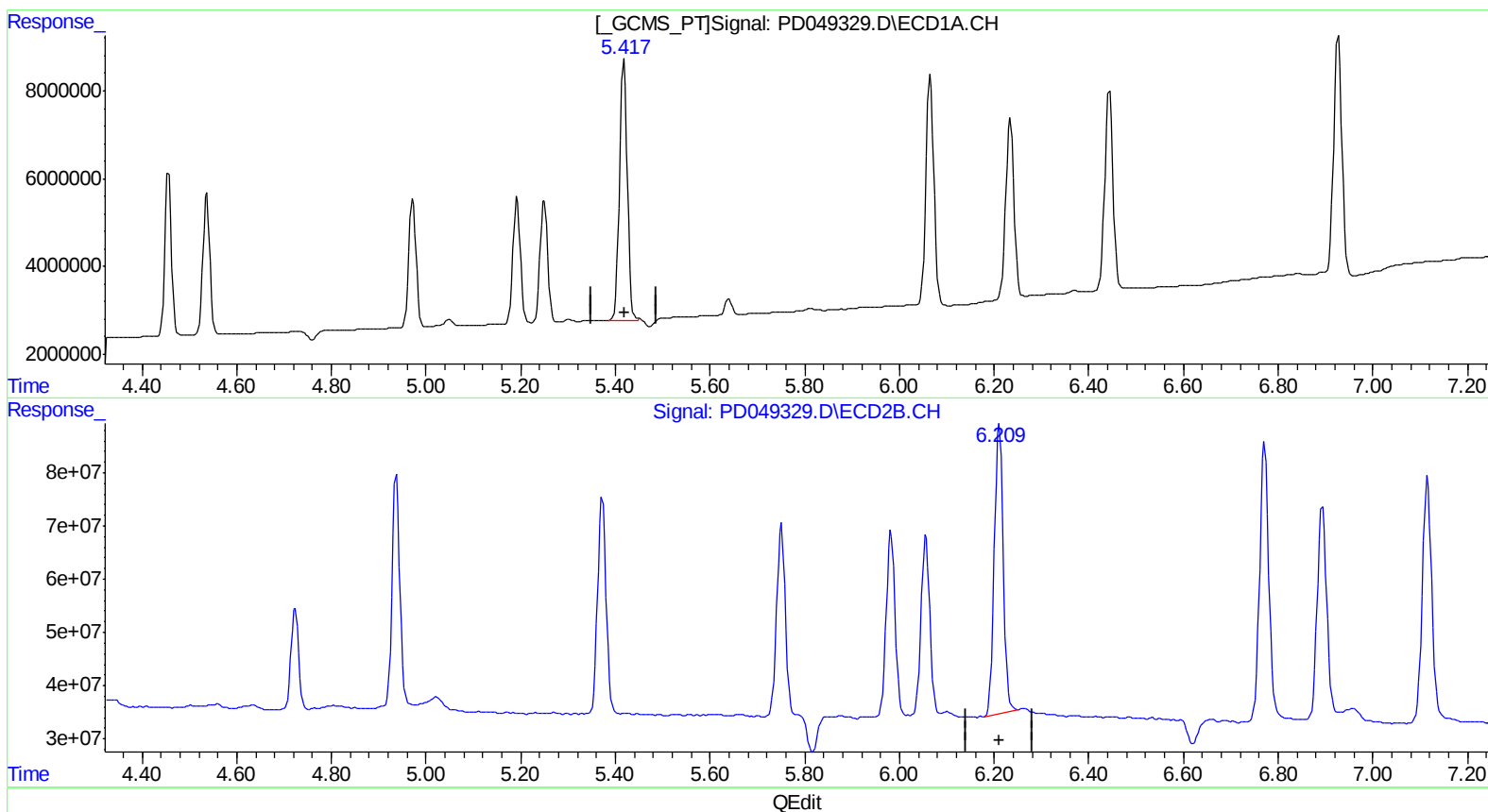
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APPROVED

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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(12) 4,4'-DDE (B)
5.417min 36.929 ng/ml m
response 67237027

(12) 4,4'-DDE #2 (B)
6.211min 37.465 ng/ml
response 715591034

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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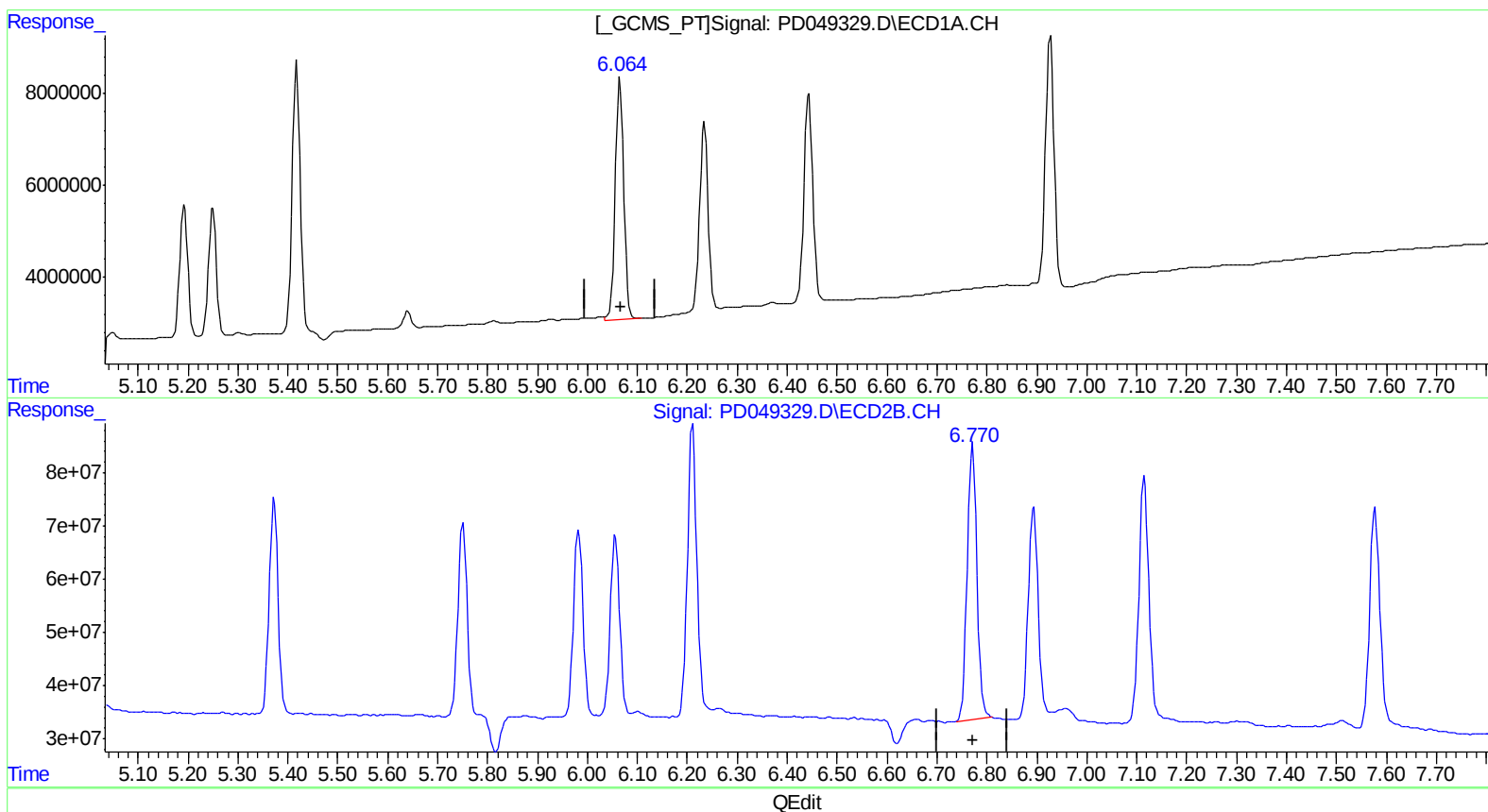
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(15) Endosulfan II (B)
6.065min 37.790 ng/ml
response 62931140

(15) Endosulfan II #2 (B)
6.771min 37.350 ng/ml
response 702545031

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Operator : AJ\SJ
Sample : INDB324
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ALS Vial : 24 Sample Multiplier: 1

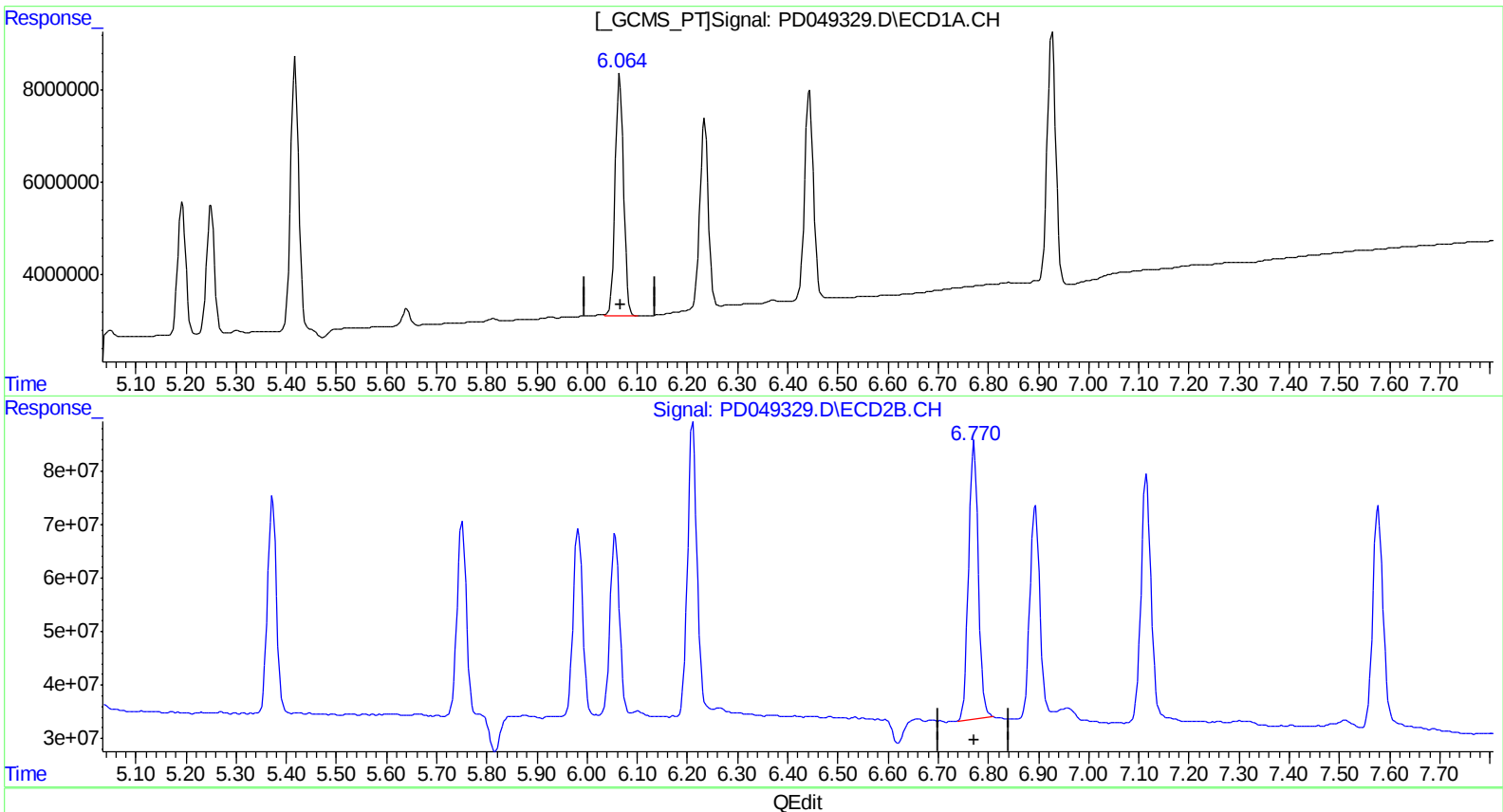
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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(15) Endosulfan II (B)
6.064min 36.924 ng/ml m
response 61488108

(15) Endosulfan II #2 (B)
6.771min 37.350 ng/ml
response 702545031

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 07:16:29 2018

Page: 1

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Misc :
ALS Vial : 24 Sample Multiplier: 1

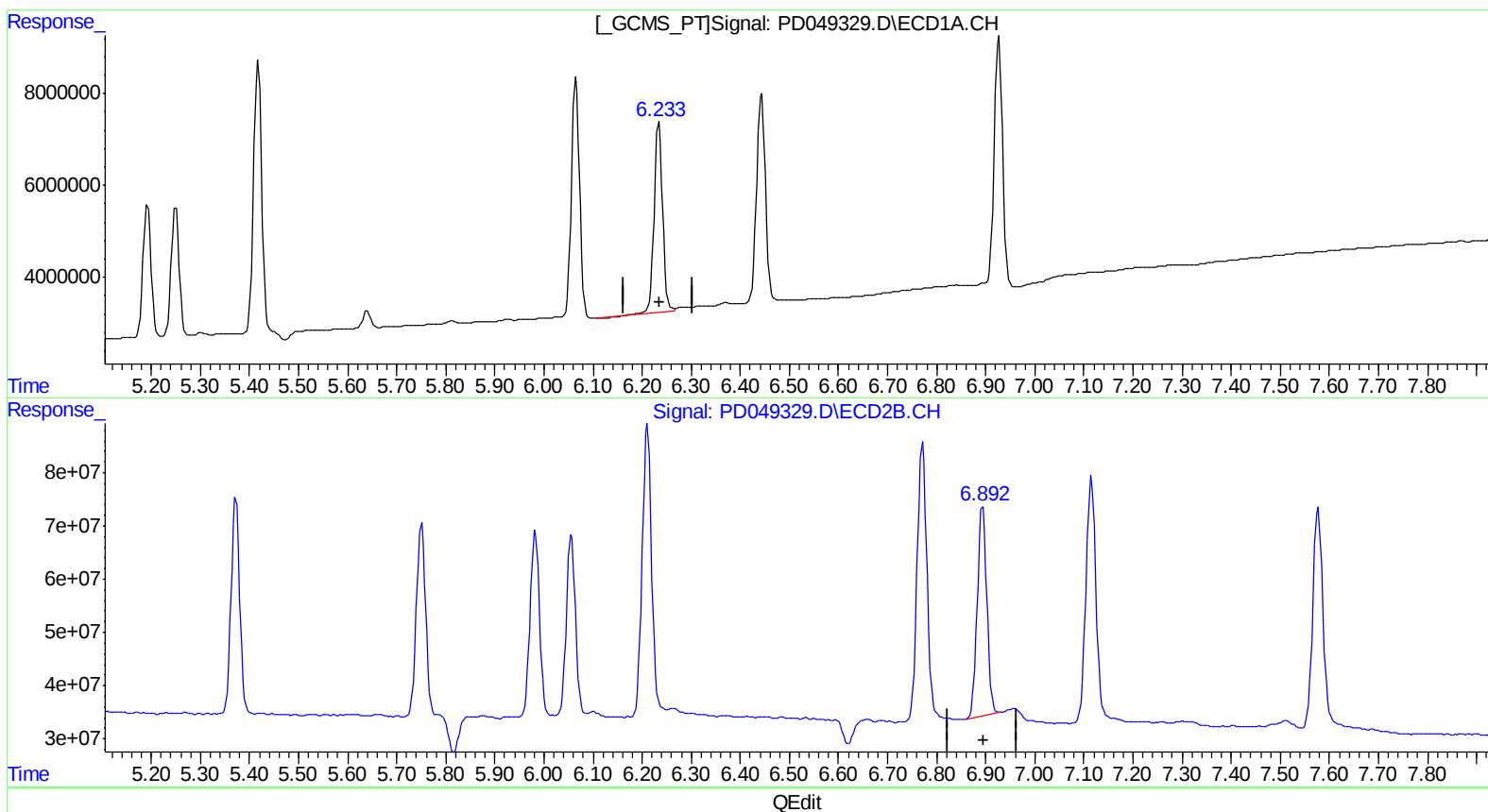
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 04:36:35 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091918CLP.M
Quant Title : GC Extractables
QLast Update : Thu Sep 20 04:32:05 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



(18) Endrin aldehyde (B)
6.234min 37.445 ng/ml
response 50922262

(18) Endrin aldehyde #2 (B)
6.894min 36.624 ng/ml
response 533735687

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
 Data File : PD049329.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Sep 2018 13:38
 Operator : AJ\SJ
 Sample : INDB324
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

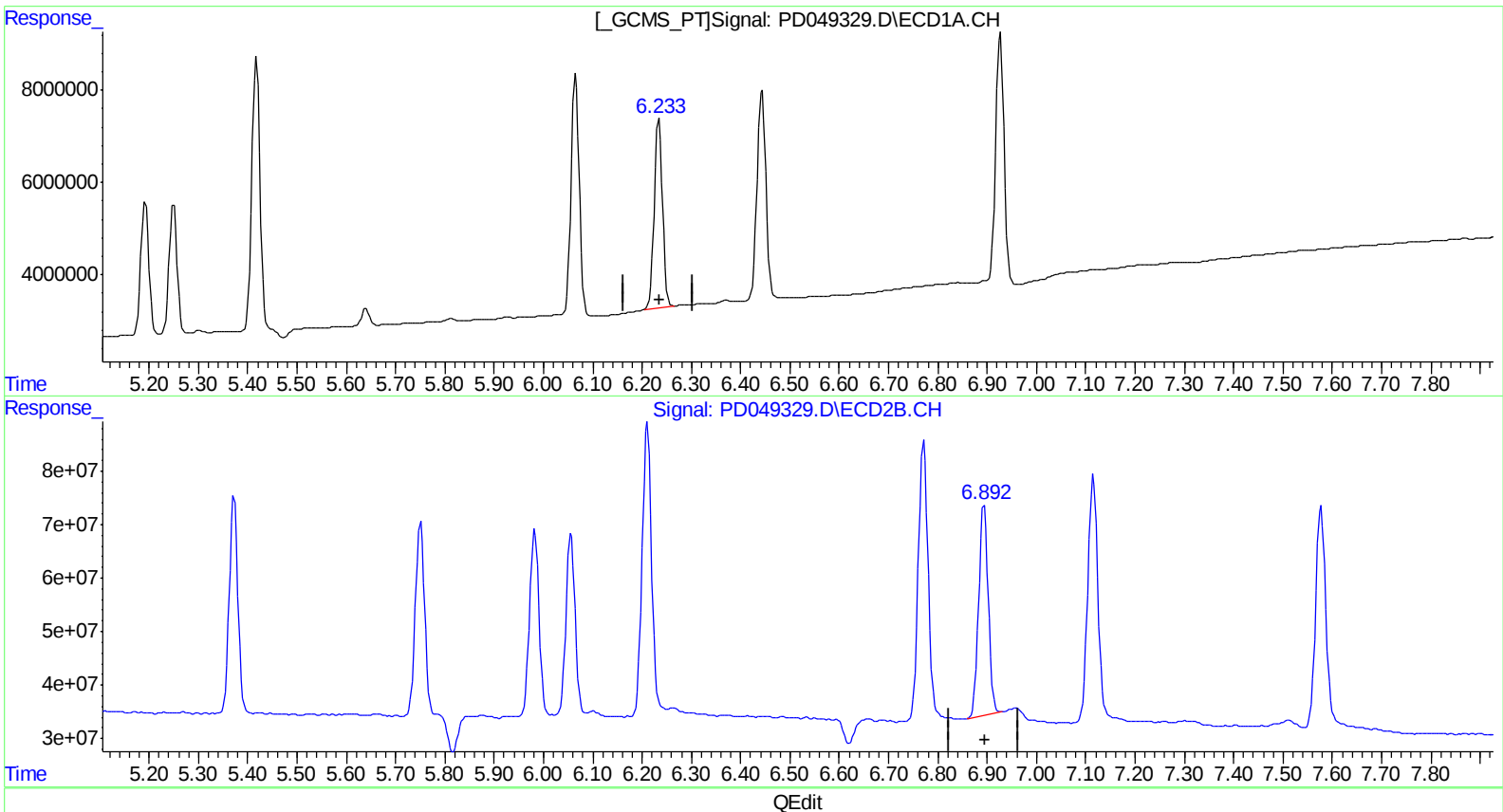
Instrument :
 ECD_D
 LabSampleId :
 INDB324

Manual Integrations
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Sohil
 9/25/2018 1:15:32 PM

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 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(18) Endrin aldehyde (B)
 6.233min 35.757 ng/ml m
 response 48626550

(18) Endrin aldehyde #2 (B)
 6.894min 36.624 ng/ml
 response 533735687

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

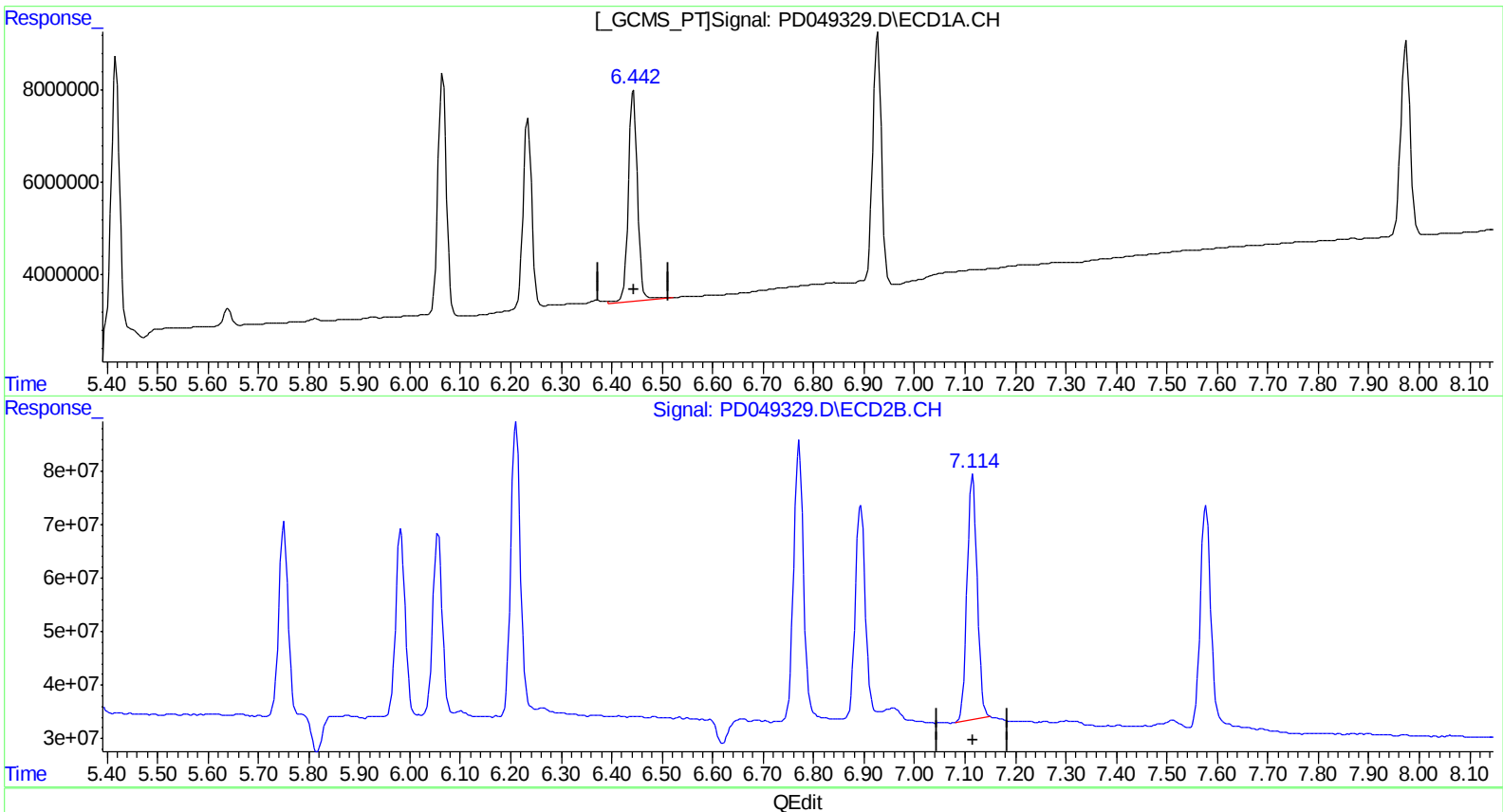
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

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9/25/2018 1:15:32 PM

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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(19) Endosulfan Sulfate (B)

6.443min 37.890 ng/ml

response 58338247

(19) Endosulfan Sulfate #2 (B)

7.115min 37.656 ng/ml

response 633683925

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

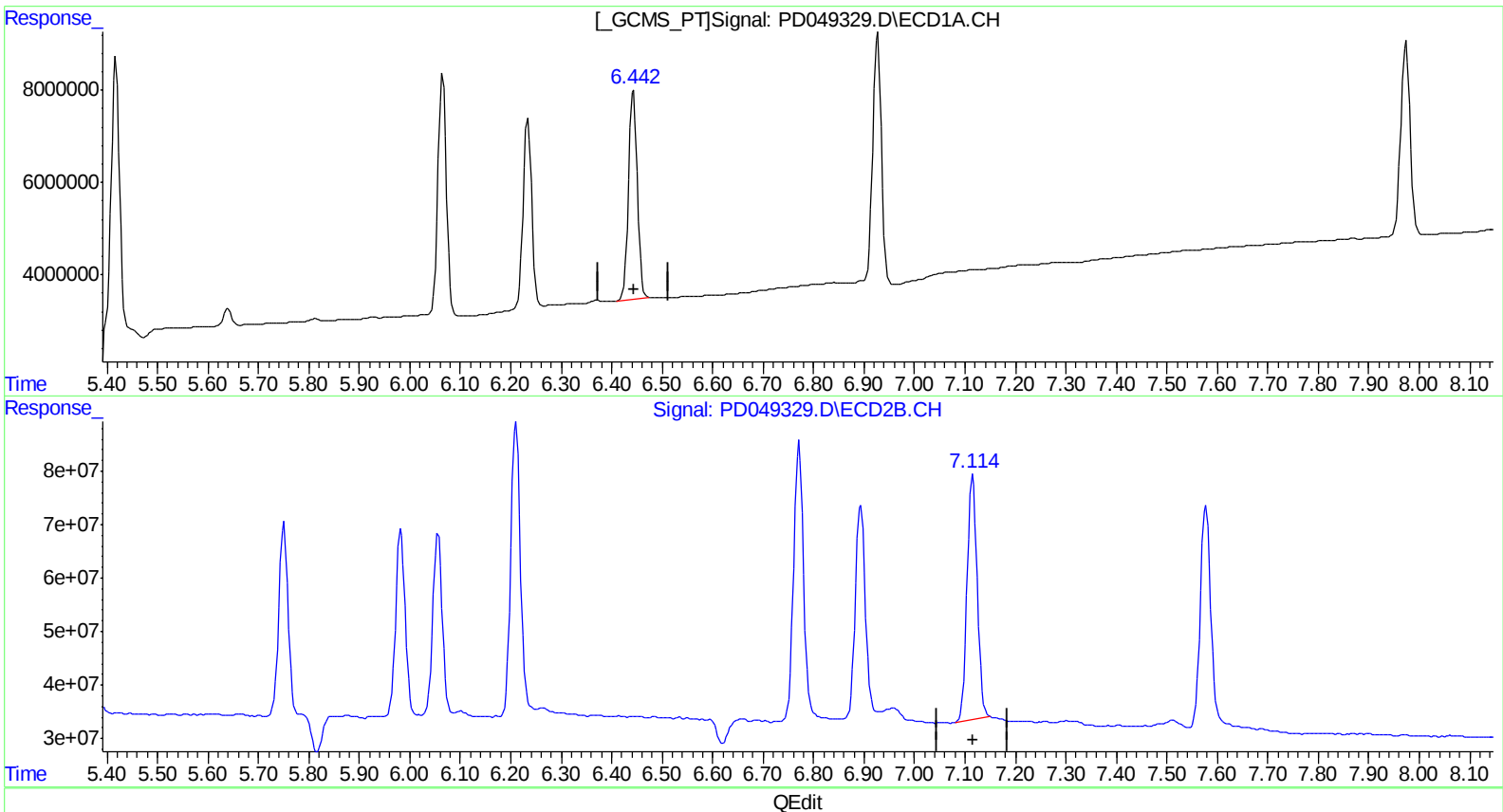
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

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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



(19) Endosulfan Sulfate (B)

6.442min 36.015 ng/ml m

response 55452021

(19) Endosulfan Sulfate #2 (B)

7.115min 37.656 ng/ml

response 633683925

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 07:17:00 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049329.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

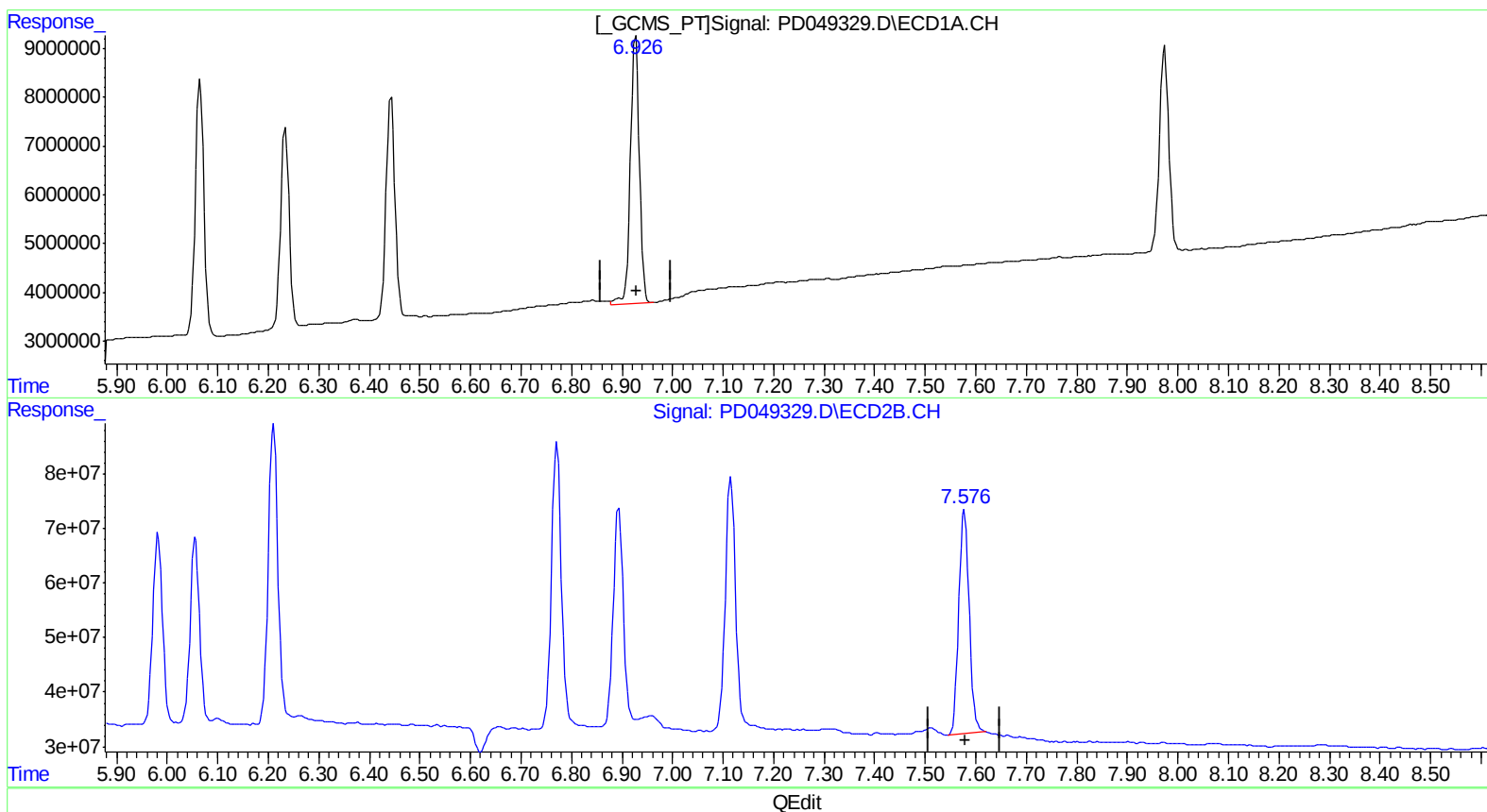
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

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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



(21) Endrin ketone (B)

6.927min 37.888 ng/ml

response 67961916

(21) Endrin ketone #2 (B)

7.577min 37.458 ng/ml

response 587182102

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 07:17:07 2018

Page: 1

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Data File : PD049329.D
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Acq On : 21 Sep 2018 13:38
Operator : AJ\SJ
Sample : INDB324
Misc :
ALS Vial : 24 Sample Multiplier: 1

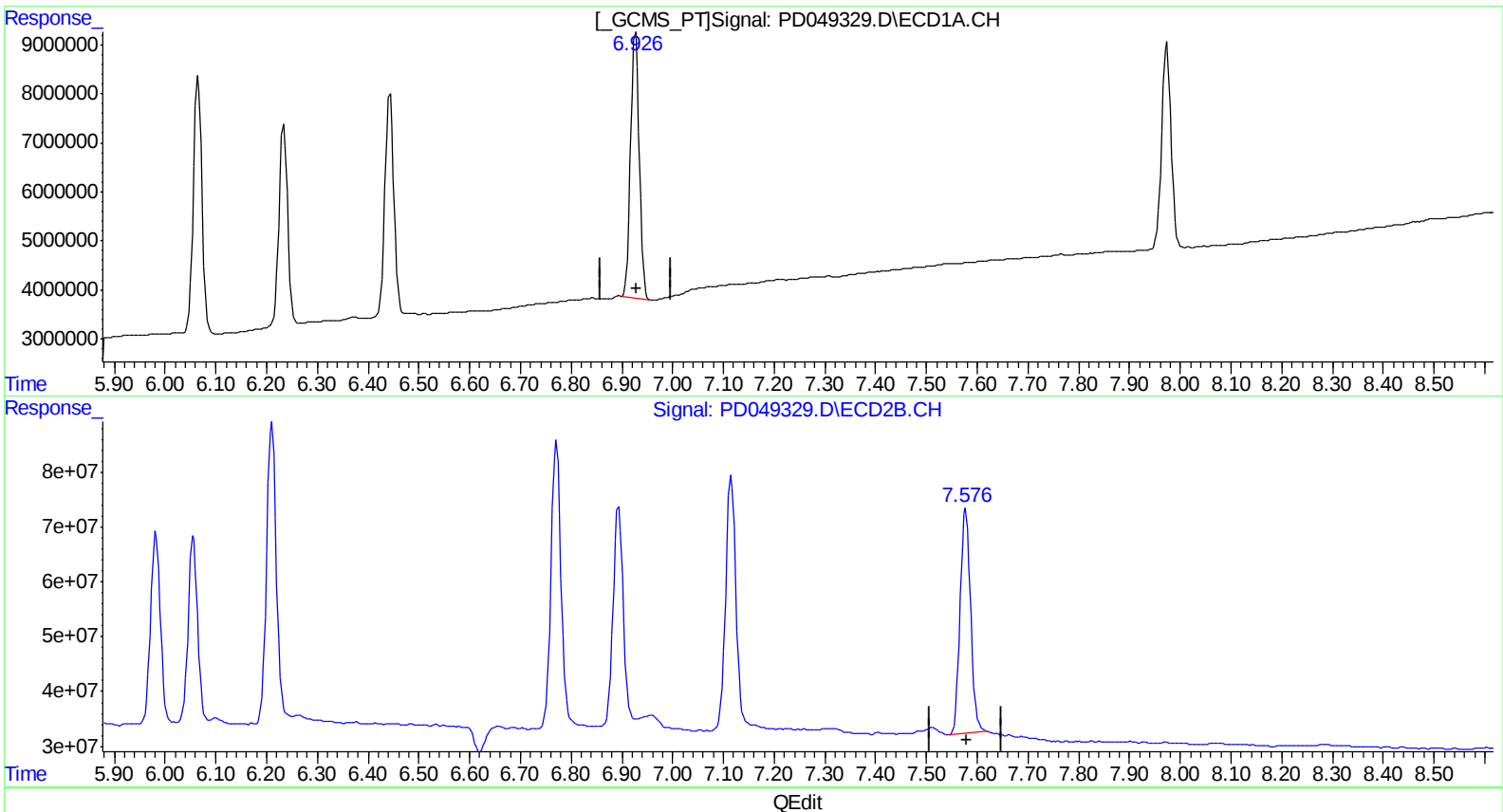
Instrument :
ECD_D
LabSampleId :
INDB324

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:32 PM

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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



(21) Endrin ketone (B)
6.926min 35.880 ng/ml m
response 64360517

(21) Endrin ketone #2 (B)
7.577min 37.458 ng/ml
response 587182102

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092118\
 Data File : PD049329.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Sep 2018 13:38
 Operator : AJ\SJ
 Sample : INDB324
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_D
 LabSampleId :
 INDB324

Manual Integrations
 APPROVED

Sohil
 9/25/2018 1:15:32 PM

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 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.313	3.907	23065488	351.0E6	18.006	17.986
27) SA Decachlor...	7.974	8.894	54793772	523.5E6	34.808	35.892
Target Compounds						
5) MB Aldrin	4.535	5.373	33504383	499.4E6	18.567m)	18.968
6) B beta-BHC	4.260	4.723	14768865	210.7E6	18.808m)	18.651
7) B delta-BHC	4.455	4.937	36495272	486.9E6	18.570m)	19.450
8) B Heptachlo...	4.971	5.751	31827333	459.7E6	18.645m)	19.143
10) B trans-Chl...	5.191	5.982	32449202	462.1E6	18.714m)	18.802
11) B cis-Chlor...	5.248	6.056	30954072	437.1E6	18.613m)	18.827
12) B 4,4'-DDE	5.417	6.211	67237027	715.6E6	36.929m)	37.465
15) B Endosulfa...	6.064	6.771	61488108	702.5E6	36.924m)	37.350
18) B Endrin al...	6.233	6.894	48626550	533.7E6	35.757m)	36.624
19) B Endosulfa...	6.442	7.115	55452021	633.7E6	36.015m)	37.656
21) B Endrin ke...	6.926	7.577	64360517	587.2E6	35.880m)	37.458

559/28/118

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