

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049310.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

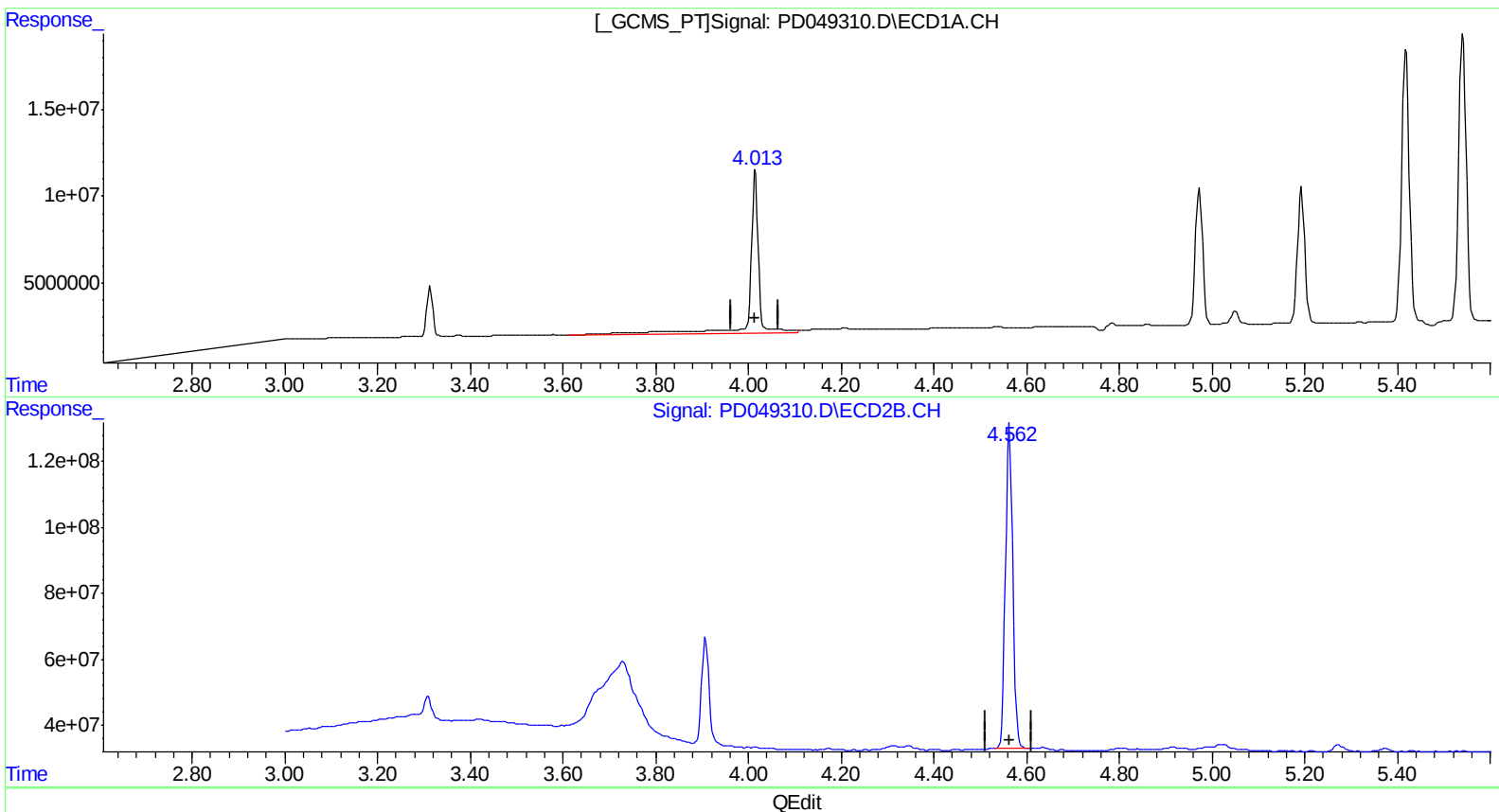
Instrument :
ECD_D
ClientSampleId :
PLCS05

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:16 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 04:31:43 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



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

4.015min 66.414 ng/ml

response 128899066

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

4.563min 37.918 ng/ml

response 1083305324

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 05:11:10 2018

Page: 1

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Misc :
ALS Vial : 6 Sample Multiplier: 1

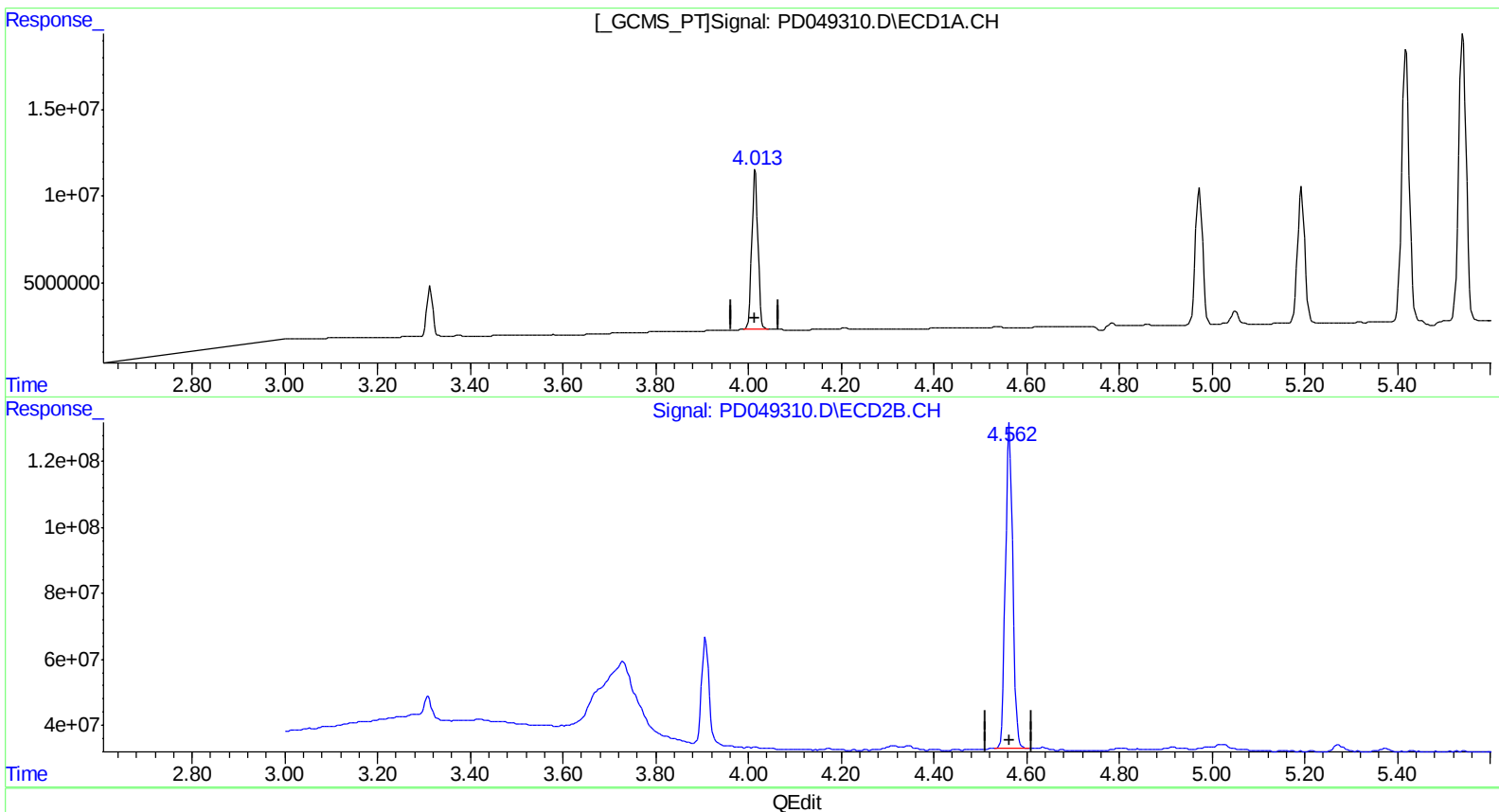
Instrument :
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ClientSampleId :
PLCS05

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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)

4.013min 44.110 ng/ml m

response 85610642

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

4.563min 37.918 ng/ml

response 1083305324

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 05:11:20 2018

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

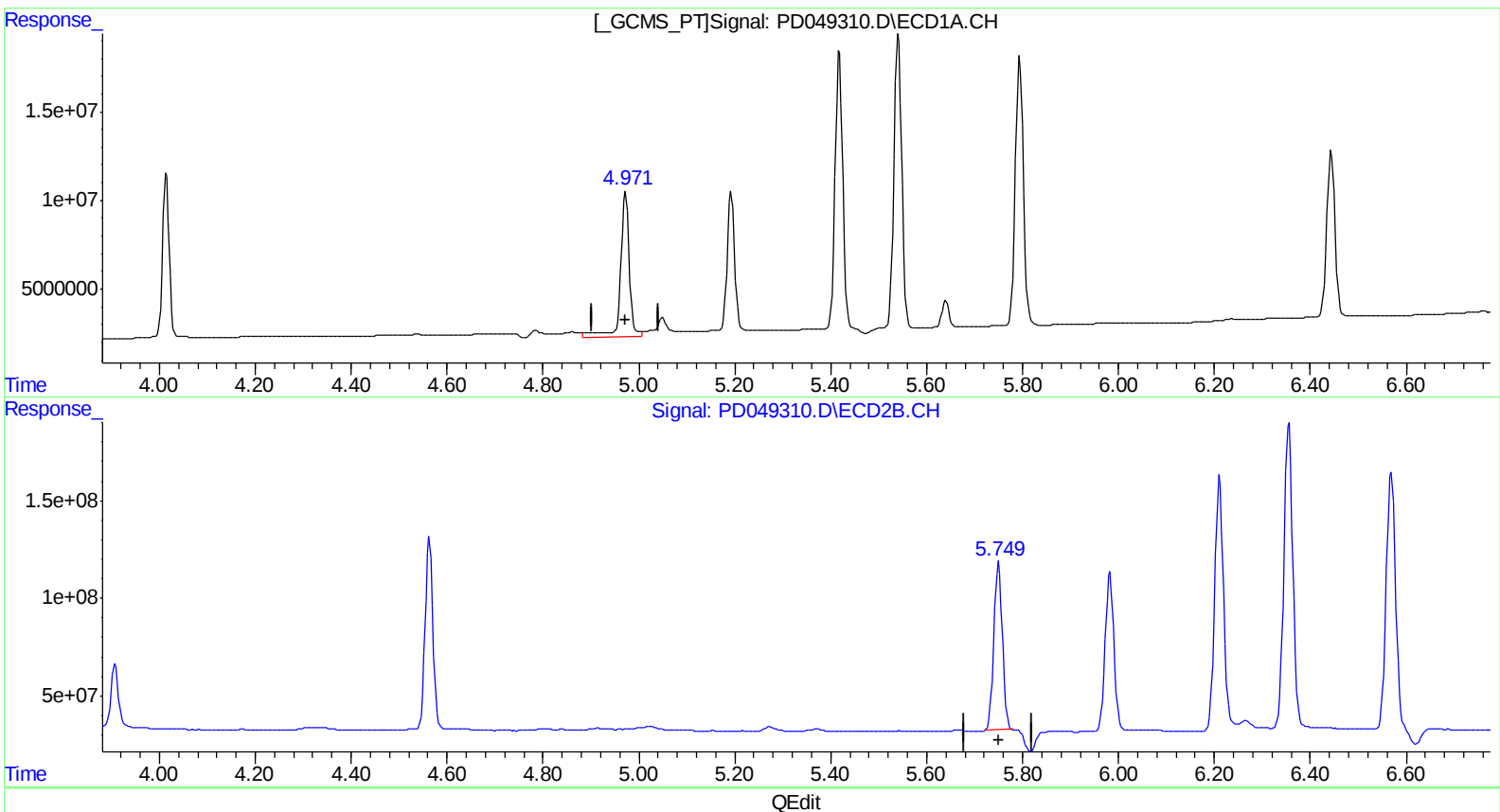
Instrument :
ECD_D
ClientSampleId :
PLCS05

Manual Integrations
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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)

4.973min 61.045 ng/ml

response 104206612

(8) Heptachlor epoxide #2 (B)

5.750min 45.694 ng/ml

response 1097305546

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 05:11:27 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049310.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

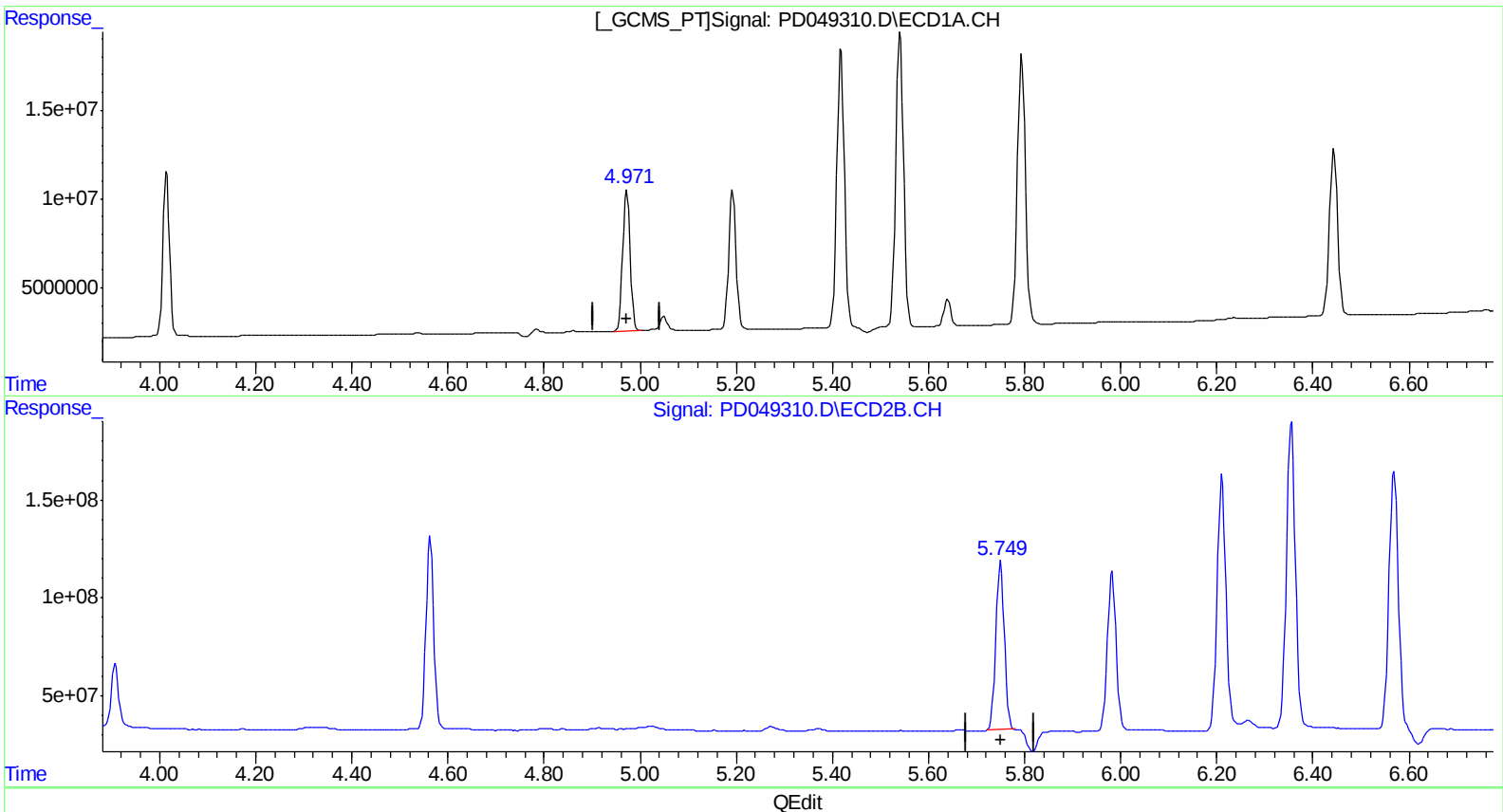
Instrument :
ECD_D
ClientSampleId :
PLCS05

Manual Integrations
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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



(8) Heptachlor epoxide (B)

4.971min 50.102 ng/ml m

response 85526968

(8) Heptachlor epoxide #2 (B)

5.750min 45.694 ng/ml

response 1097305546

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 05:11:38 2018

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Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

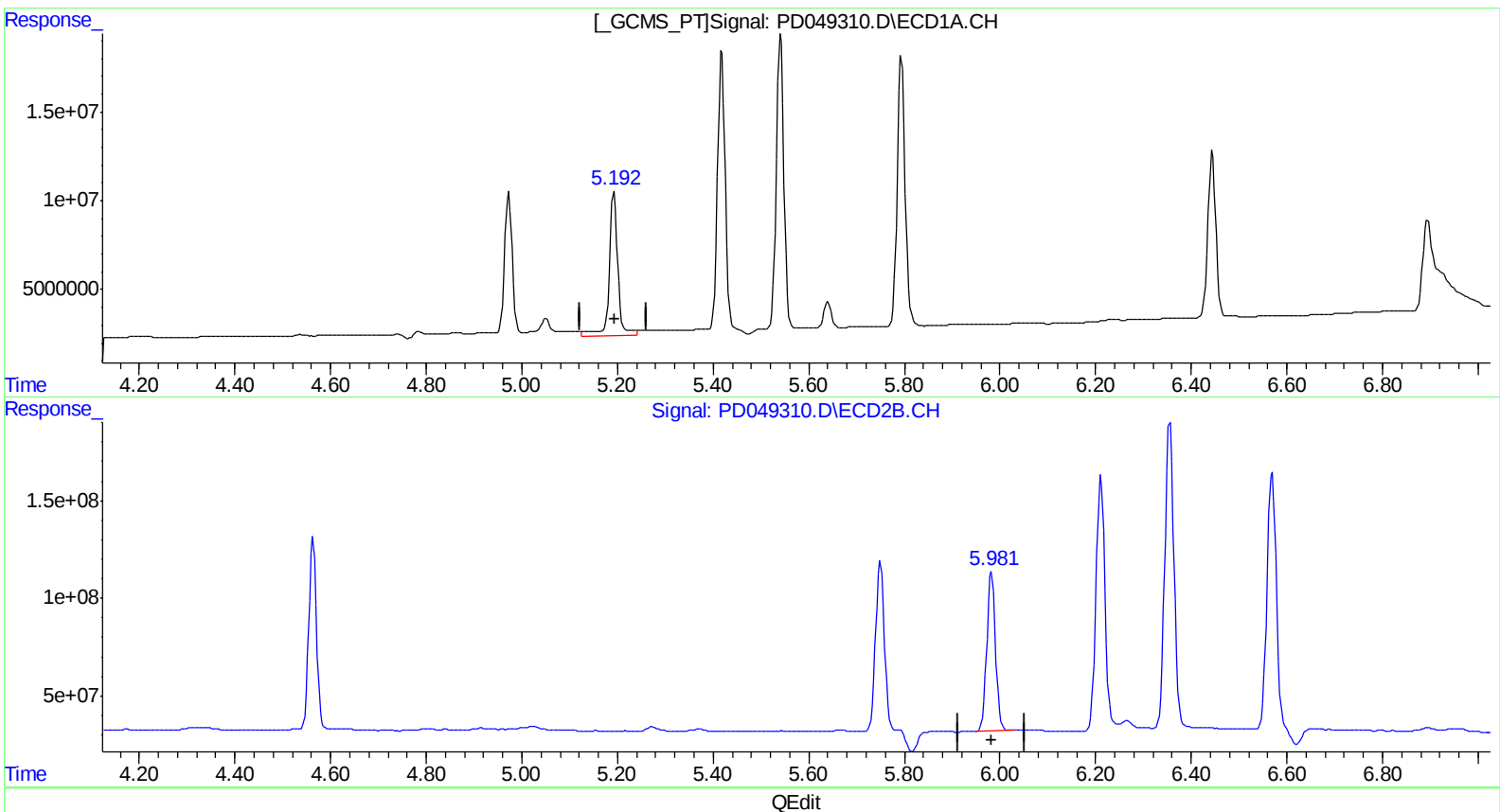
Instrument :
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ClientSampleId :
PLCS05

Manual Integrations
APPROVED

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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



(10) trans-Chlordane (B)

5.193min 59.950 ng/ml

response 103948419

(10) trans-Chlordane #2 (B)

5.983min 43.012 ng/ml

response 1057082074

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 05:11:44 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049310.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

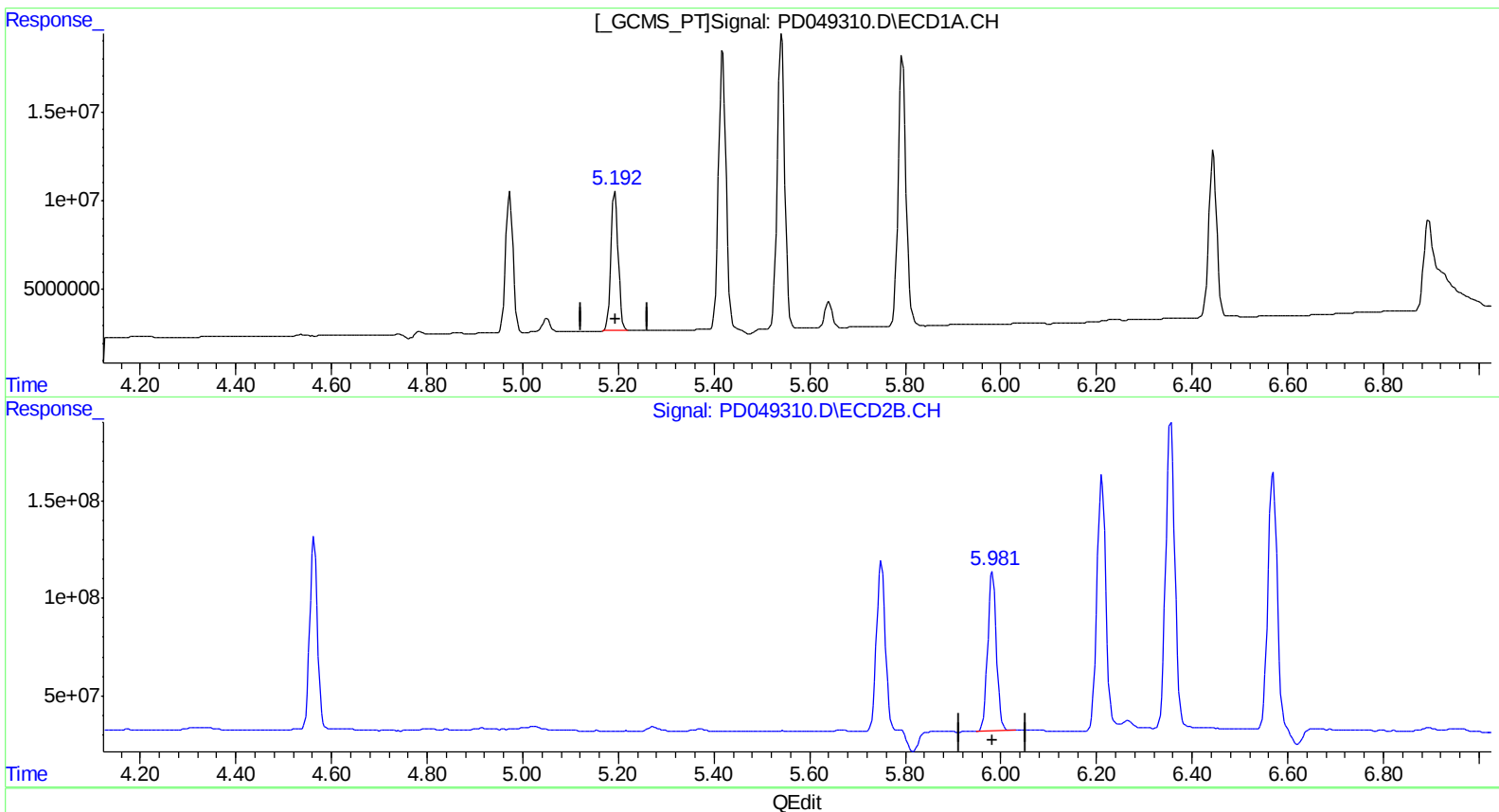
Instrument :
ECD_D
ClientSampleId :
PLCS05

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:16 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 04:31:43 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



(10) trans-Chlordane (B)
5.192min 48.976 ng/ml m
response 84921144

(10) trans-Chlordane #2 (B)
5.983min 43.012 ng/ml
response 1057082074

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049310.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

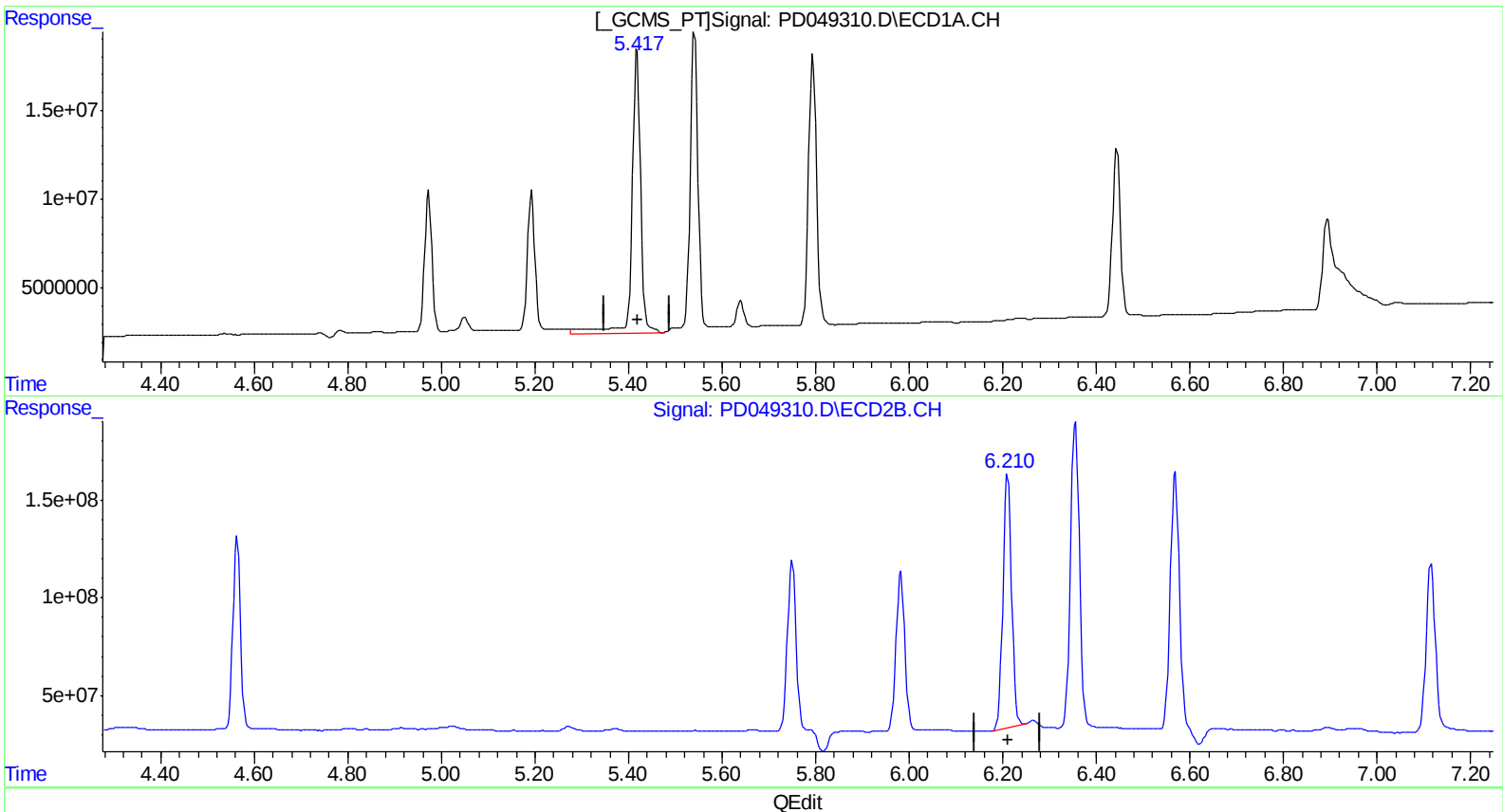
Instrument :
ECD_D
ClientSampleId :
PLCS05

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:16 PM

Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
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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



(12) 4,4'-DDE (B)
5.418min 114.509 ng/ml
response 208487376

(12) 4,4'-DDE #2 (B)
6.211min 87.113 ng/ml
response 1663865369

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

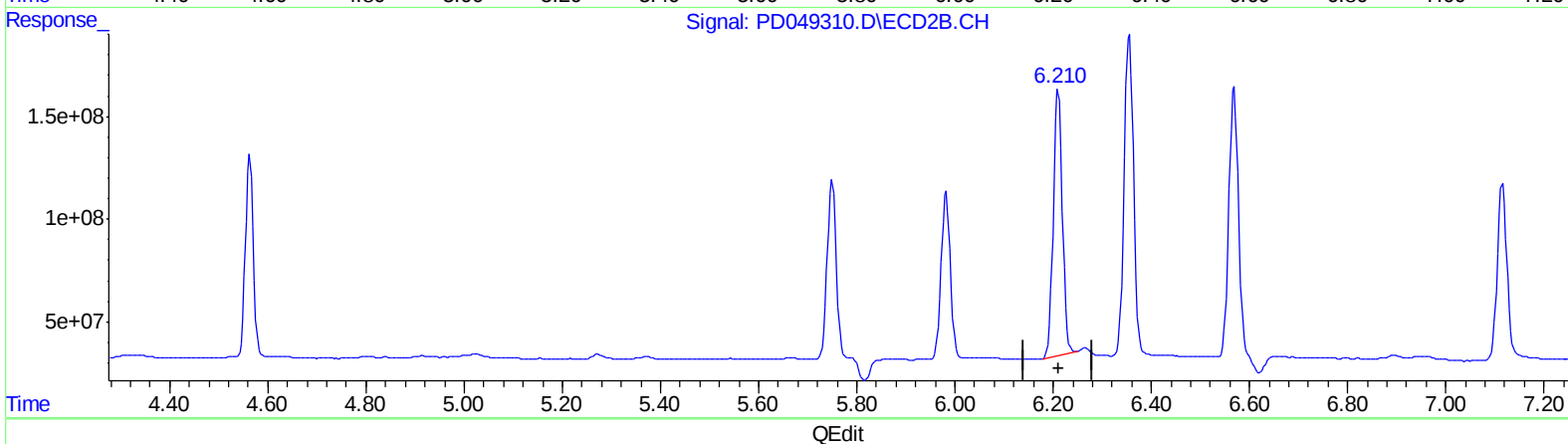
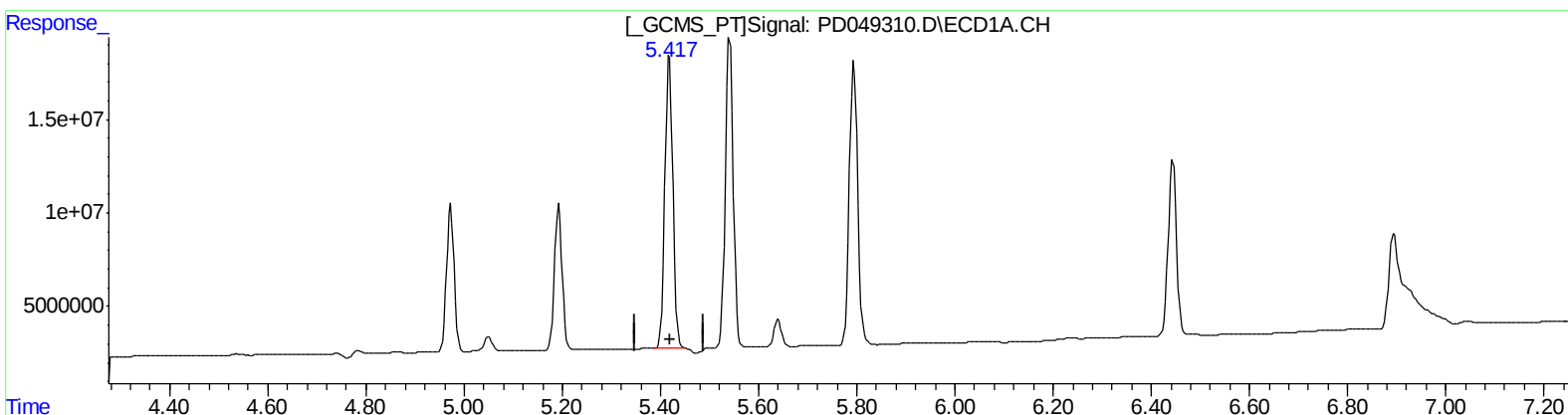
Instrument :
ECD_D
ClientSampleId :
PLCS05

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



(12) 4,4'-DDE (B)
5.417min 97.617 ng/ml m
response 177731674

(12) 4,4'-DDE #2 (B)
6.211min 87.113 ng/ml
response 1663865369

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
Data File : PD049310.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

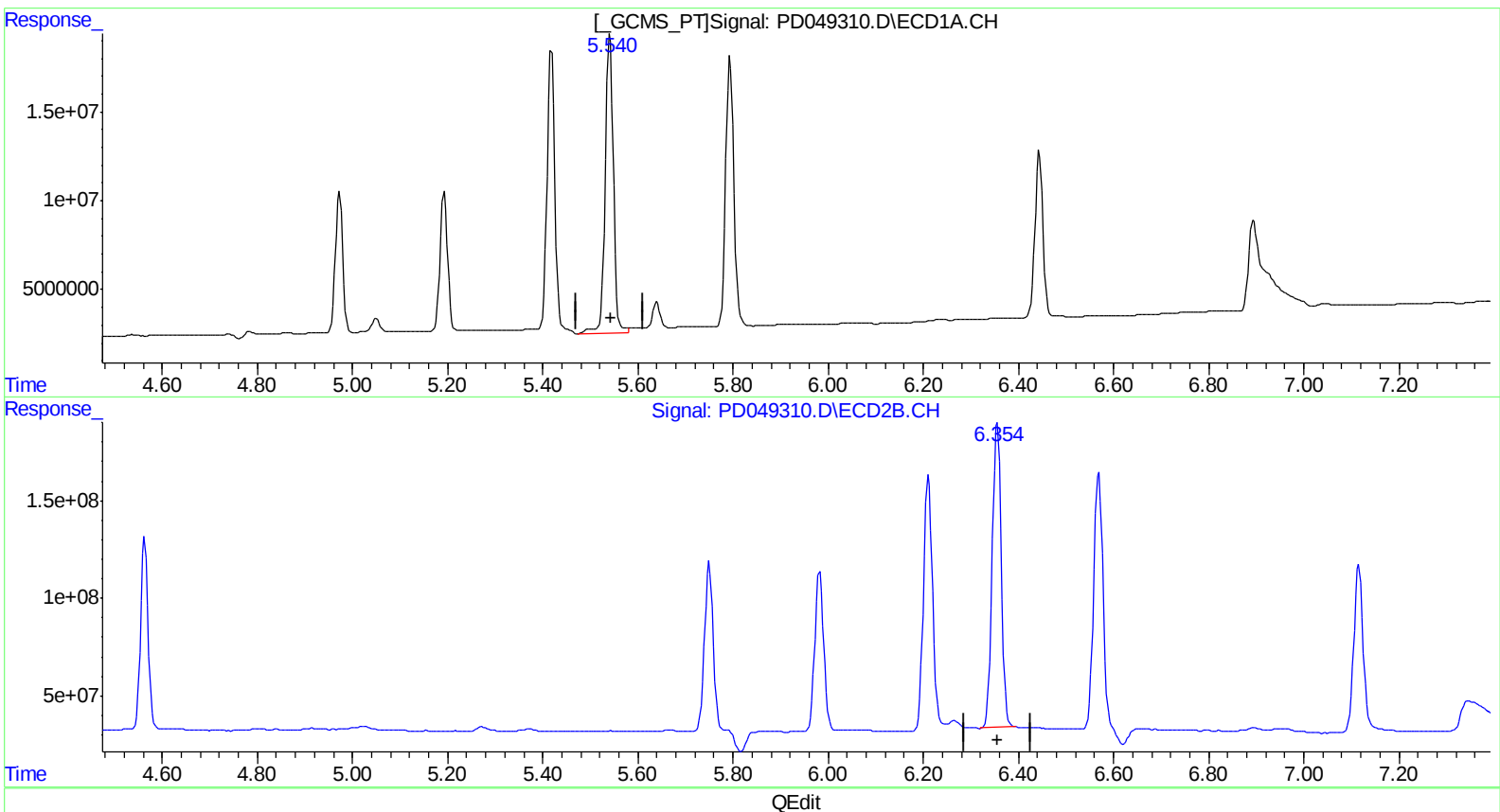
Instrument :
ECD_D
ClientSampleId :
PLCS05

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



(13) Dieldrin (MA)
5.541min 104.150 ng/ml
response 199011927

(13) Dieldrin #2 (MA)
6.356min 87.028 ng/ml
response 2054359017

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

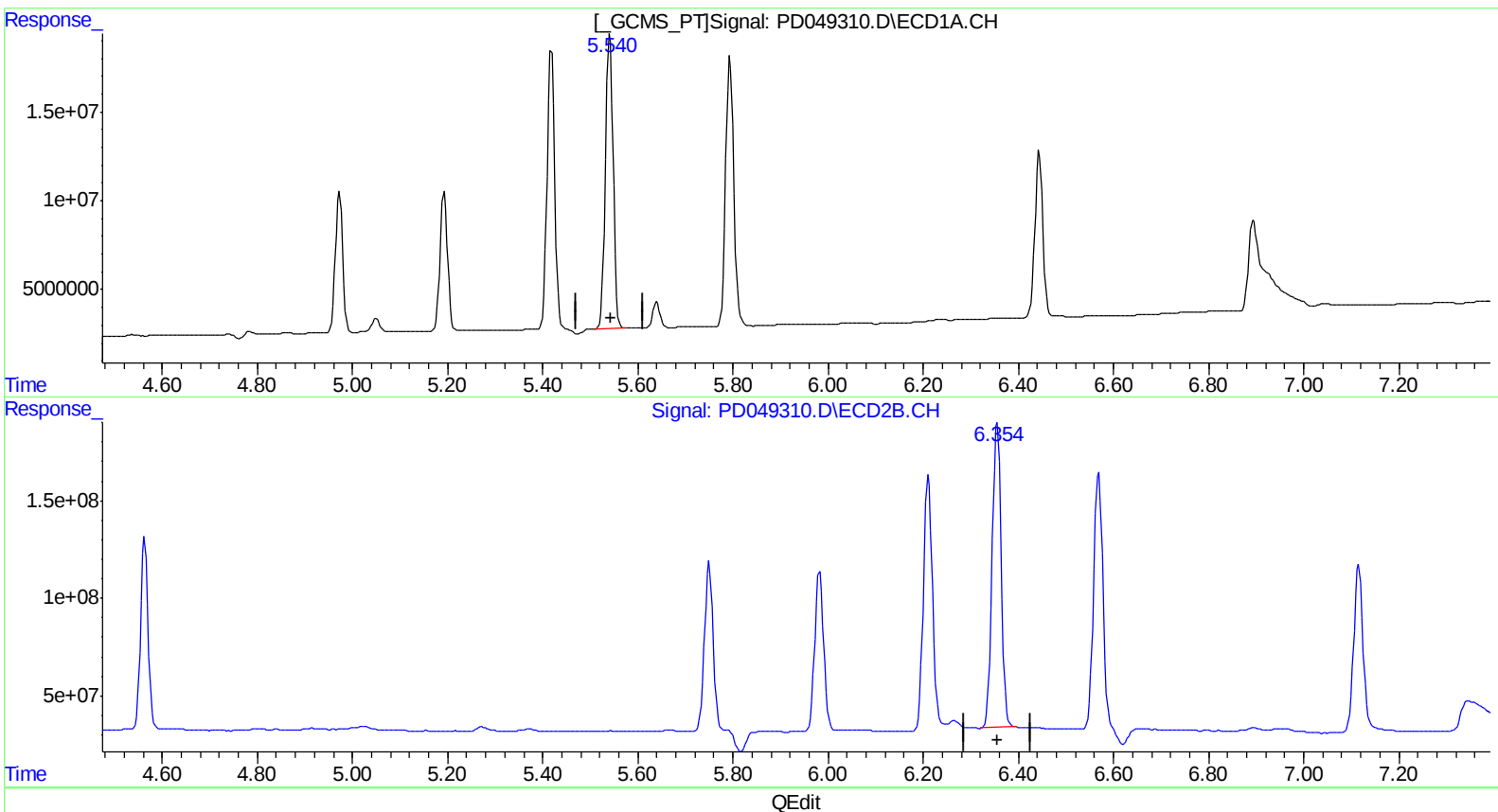
Instrument :
ECD_D
ClientSampleId :
PLCS05

Manual Integrations
APPROVED

Sohil
9/25/2018 1:15:16 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



(13) Dieldrin (MA)
5.540min 96.894 ng/ml m
response 185146654

(13) Dieldrin #2 (MA)
6.356min 87.028 ng/ml
response 2054359017

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Acq On : 21 Sep 2018 9:16
Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

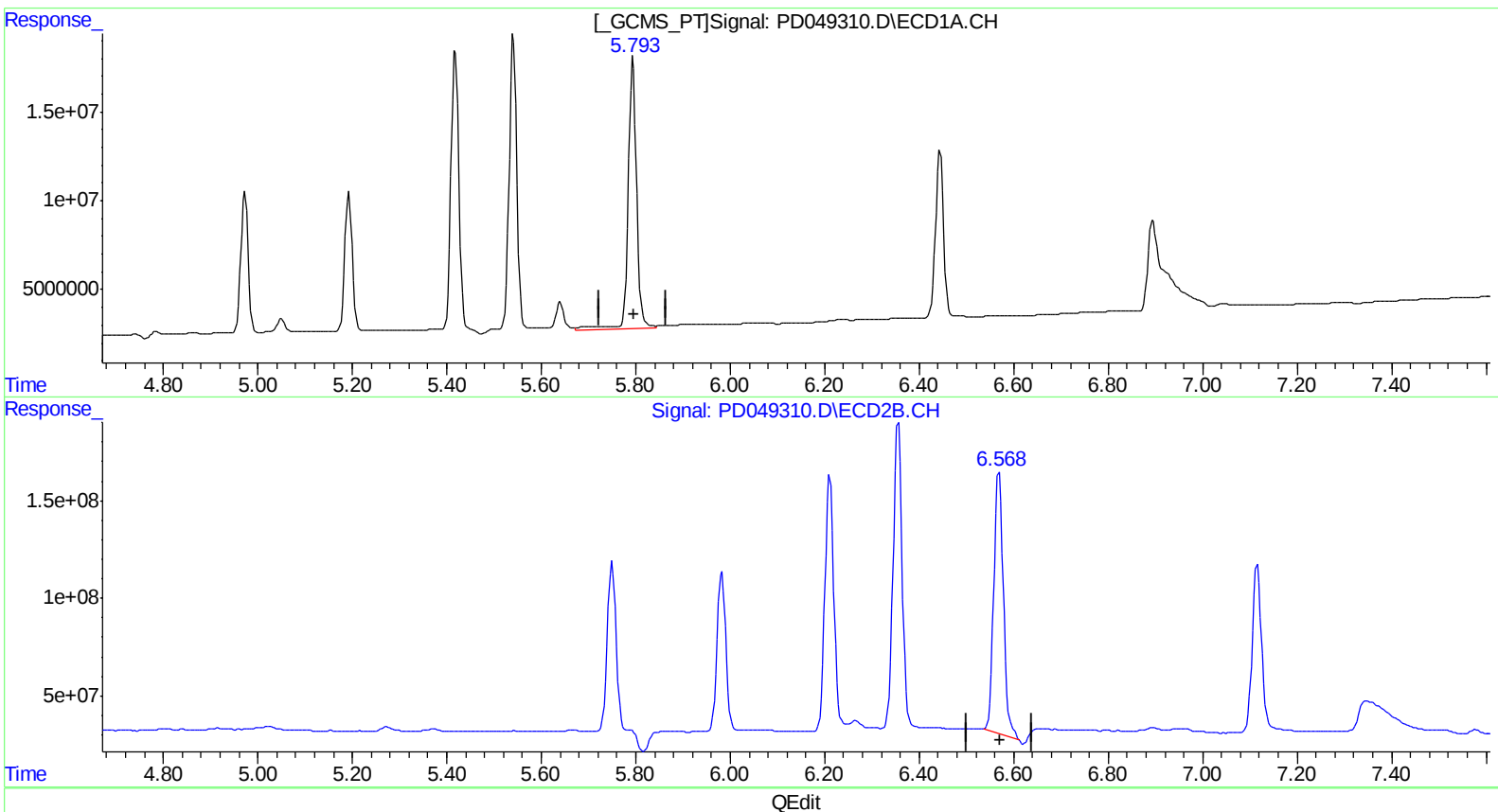
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ClientSampleId :
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Manual Integrations
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(14) Endrin (MA)
5.794min 114.242 ng/ml
response 194220931

(14) Endrin #2 (MA)
6.569min 98.420 ng/ml
response 1878709883

(+) = Expected Retention Time

PD091918CLP.M Sat Sep 22 05:12:35 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

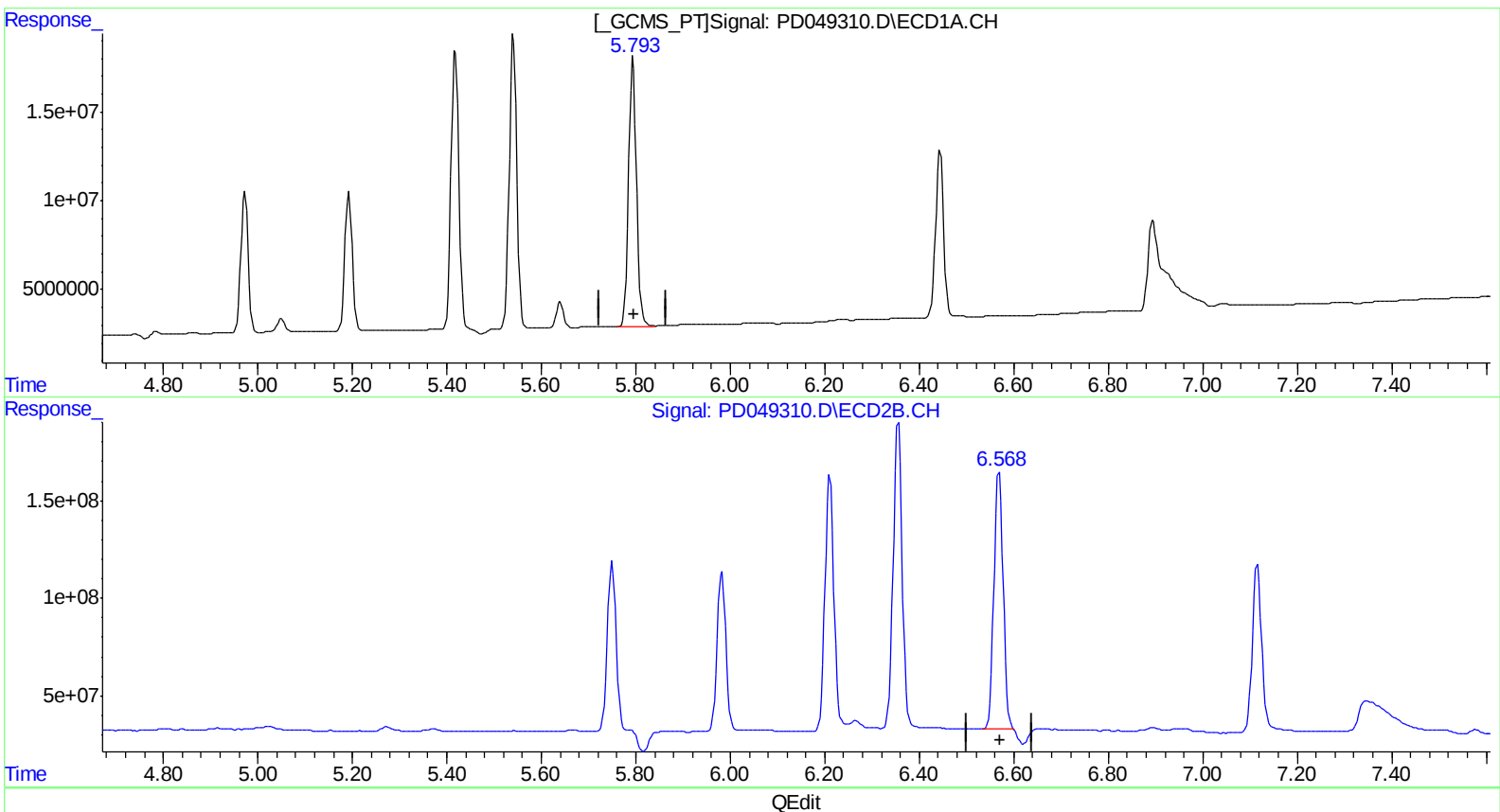
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ECD_D
ClientSampleId :
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APPROVED

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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



(14) Endrin (MA)
5.793min 105.388 ng/ml m
response 179167630

(14) Endrin #2 (MA)
6.568min 93.393 ng/ml m
response 1782760549

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Operator : AJ\SJ
Sample : PB113005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

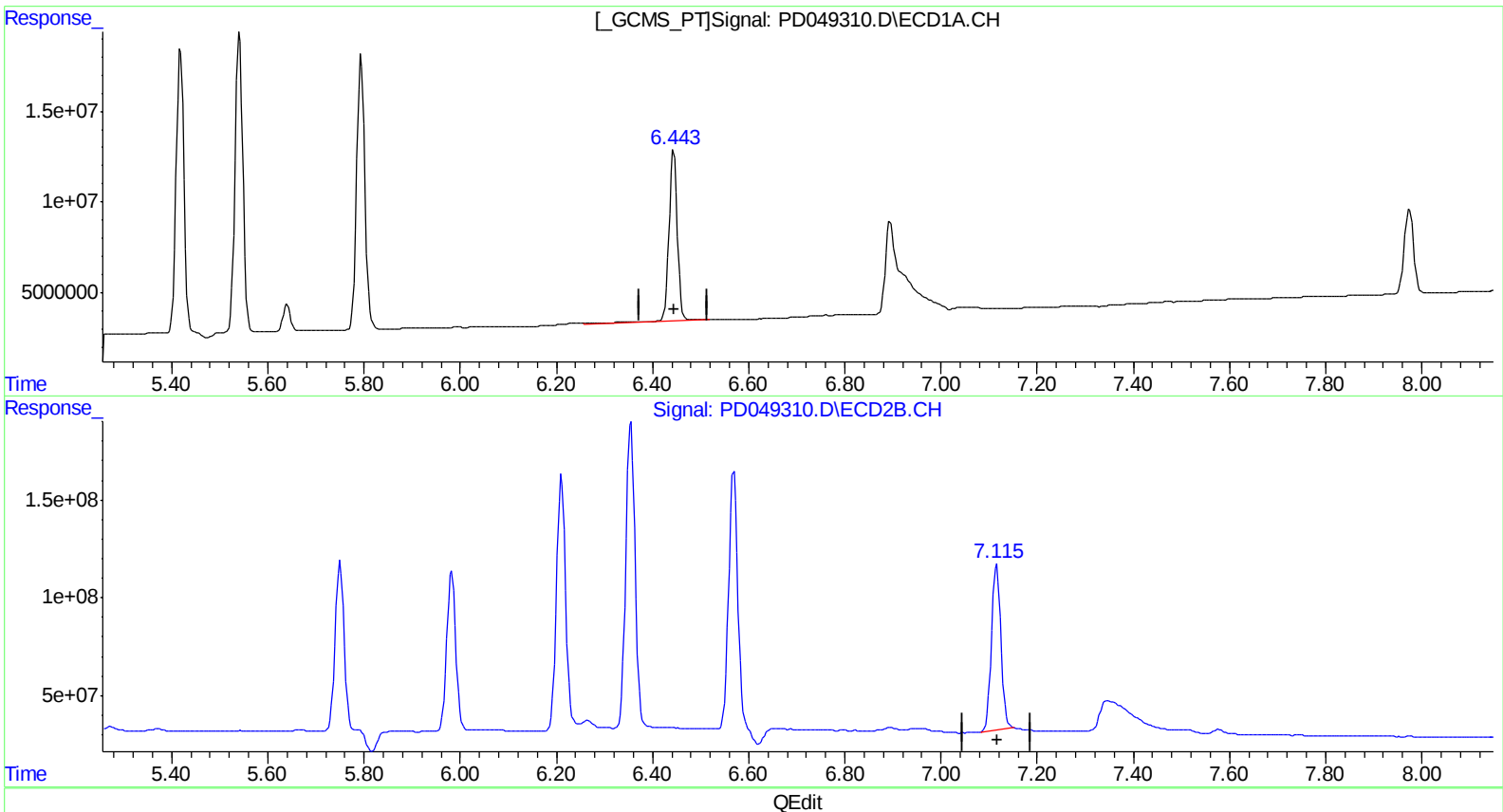
Instrument :
ECD_D
ClientSampled :
PLCS05

Manual Integrations
APPROVED

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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)

6.444min 75.296 ng/ml

response 115931939

(19) Endosulfan Sulfate #2 (B)

7.116min 68.097 ng/ml

response 1145966745

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD092118\
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Operator : AJ\SJ
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ALS Vial : 6 Sample Multiplier: 1

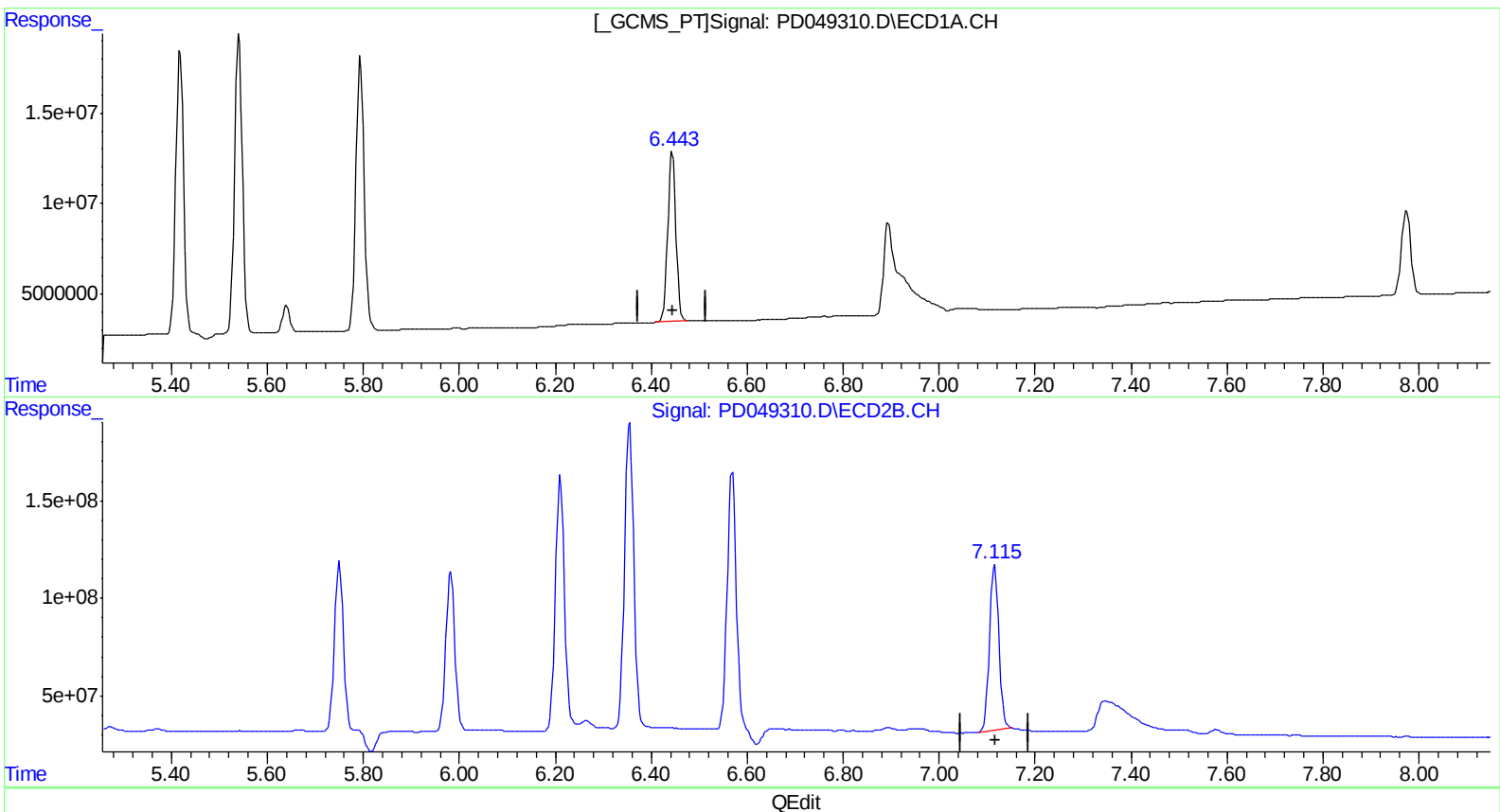
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(19) Endosulfan Sulfate (B)
6.443min 71.005 ng/ml m
response 109325011

(19) Endosulfan Sulfate #2 (B)
7.116min 68.097 ng/ml
response 1145966745

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092118\
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Instrument :
 ECD_D
 ClientSampleId :
 PLCS05

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 22 05:13:46 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

Manual Integrations
 APPROVED

Sohil
 9/25/2018 1:15:16 PM

Volume Inj. : 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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.314	3.908	24735727	342.0E6	19.310	17.527
27) SA Decachlor...	7.975	8.893	62918023	585.8E6	39.969	40.164
Target Compounds						
3) MA gamma-BHC...	4.013	4.563	85610642	1083.3E6	44.110m)	37.918
8) B Heptachlo...	4.971	5.750	85526968	1097.3E6	50.102m)	45.694
10) B trans-Chl...	5.192	5.983	84921144	1057.1E6	48.976m)	43.012
12) B 4,4'-DDE	5.417	6.211	177.7E6	1663.9E6	97.617m)	87.113
13) MA Dieldrin	5.540	6.356	185.1E6	2054.4E6	96.894m)	87.028
14) MA Endrin	5.793	6.568	179.2E6	1782.8E6	105.388m)	93.393m)
19) B Endosulfa...	6.443	7.116	109.3E6	1146.0E6	71.005m)	68.097

559/28/18

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