

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
Data File : PD048356.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

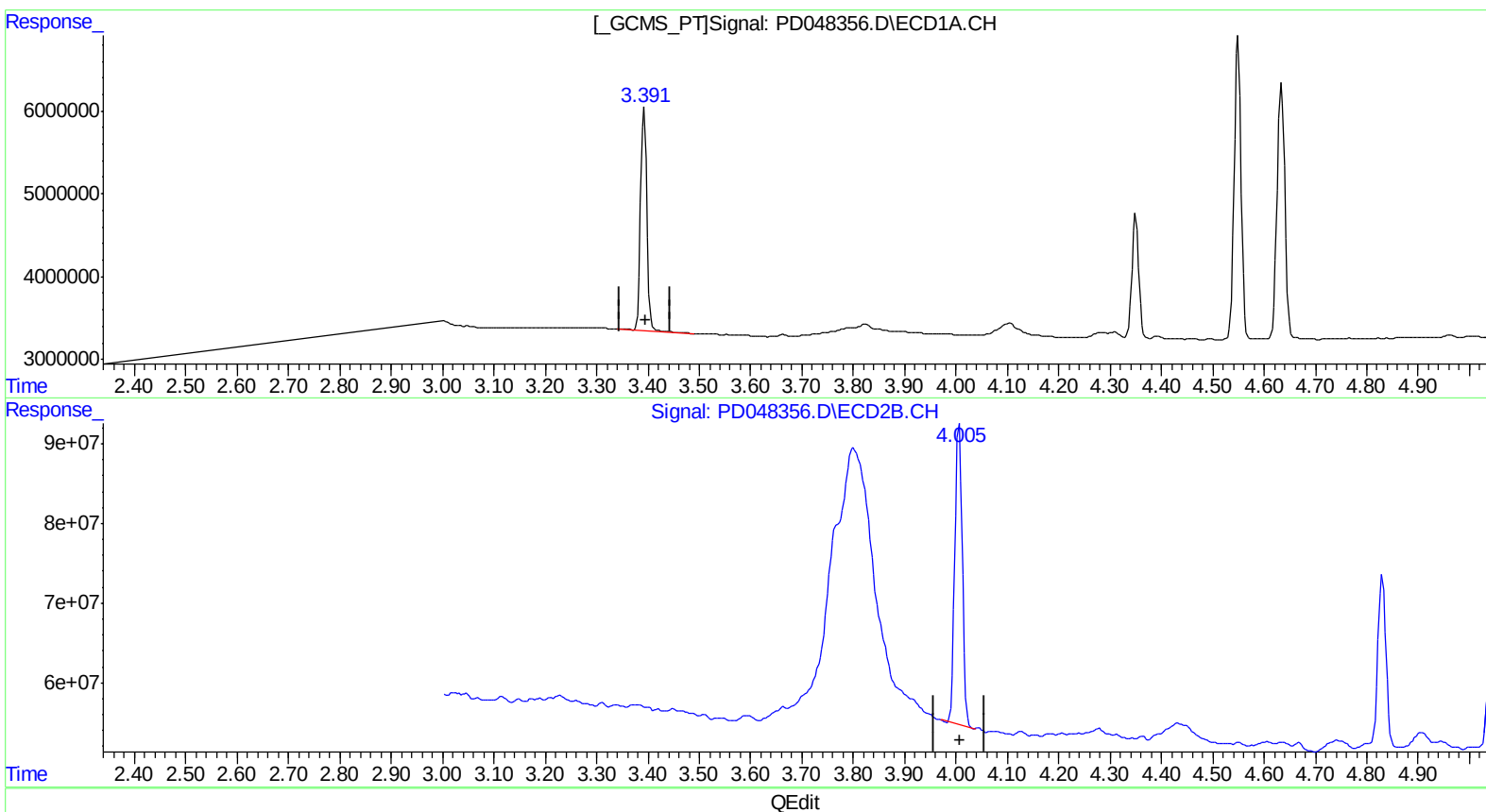
Instrument :
ECD_D
LabSampleId :
INDB345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:37 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:18 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 19.065 ng/ml

response 23038557

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

4.006min 18.122 ng/ml

response 368958060

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:11:05 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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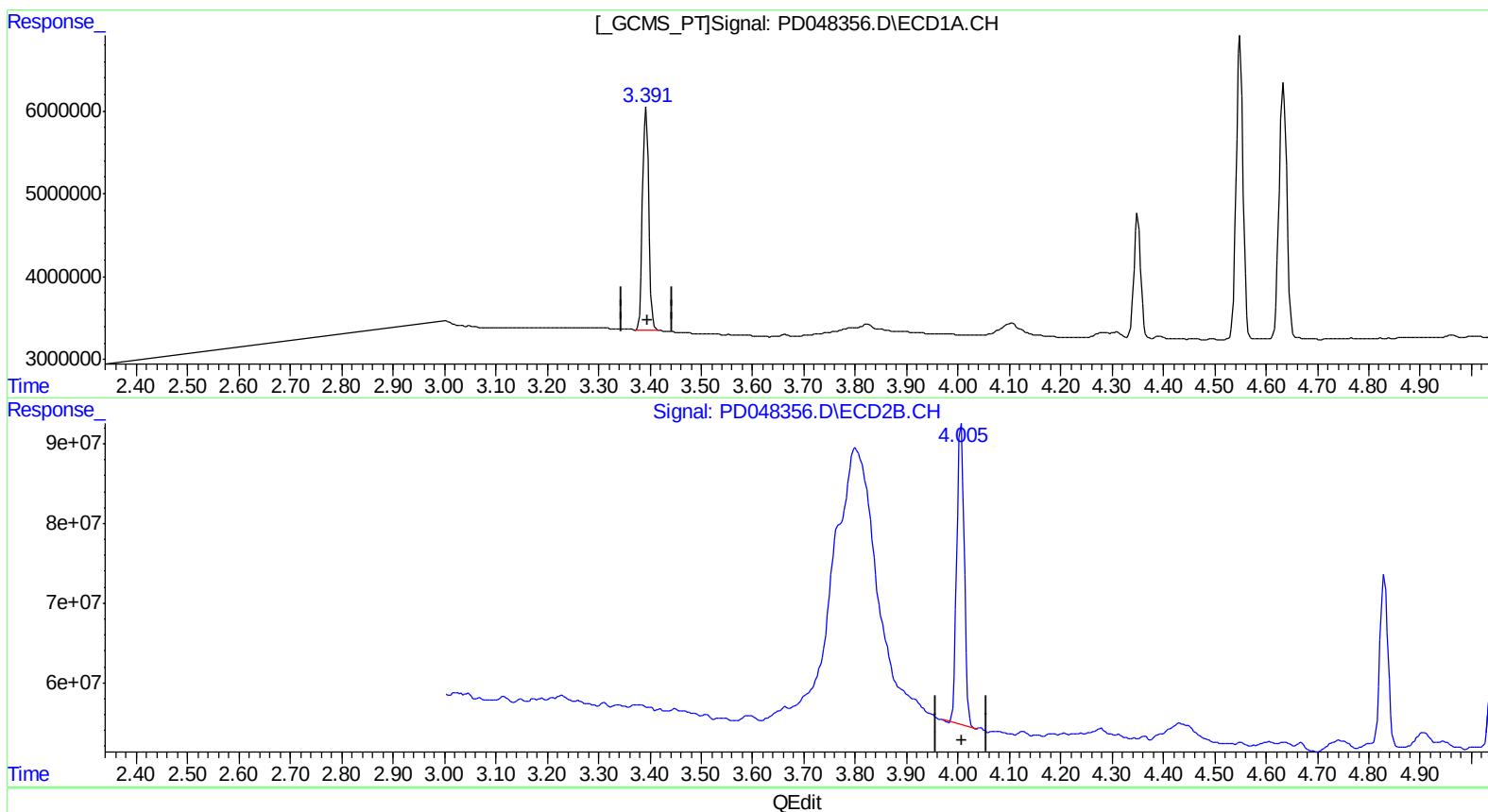
Instrument :
 ECD_D
 LabSampleId :
 INDB345

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 7/13/2018 2:47:37 PM

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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



(1) Tetrachloro-m-xylene (SA)

3.391min 18.791 ng/ml m

response 22706590

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

4.006min 18.122 ng/ml

response 368958060

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:13:27 2018

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Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

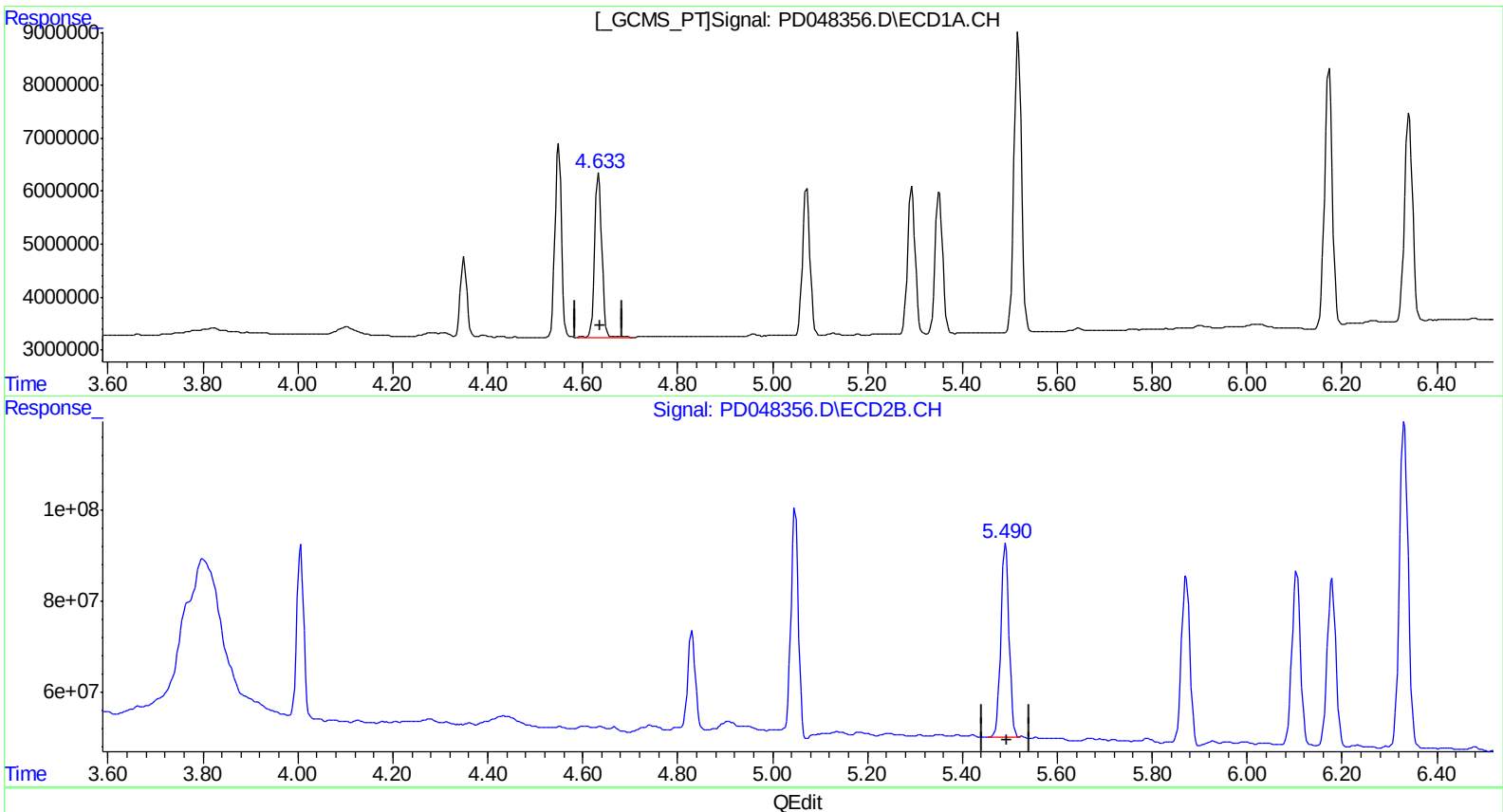
Instrument :
ECD_D
LabSampleId :
INDB345

Manual Integrations
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7/13/2018 2:47:37 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



(5) Aldrin (MB)
4.634min 18.998 ng/ml
response 32692798

(5) Aldrin #2 (MB)
5.491min 18.500 ng/ml
response 514974758

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Acq On : 11 Jul 2018 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

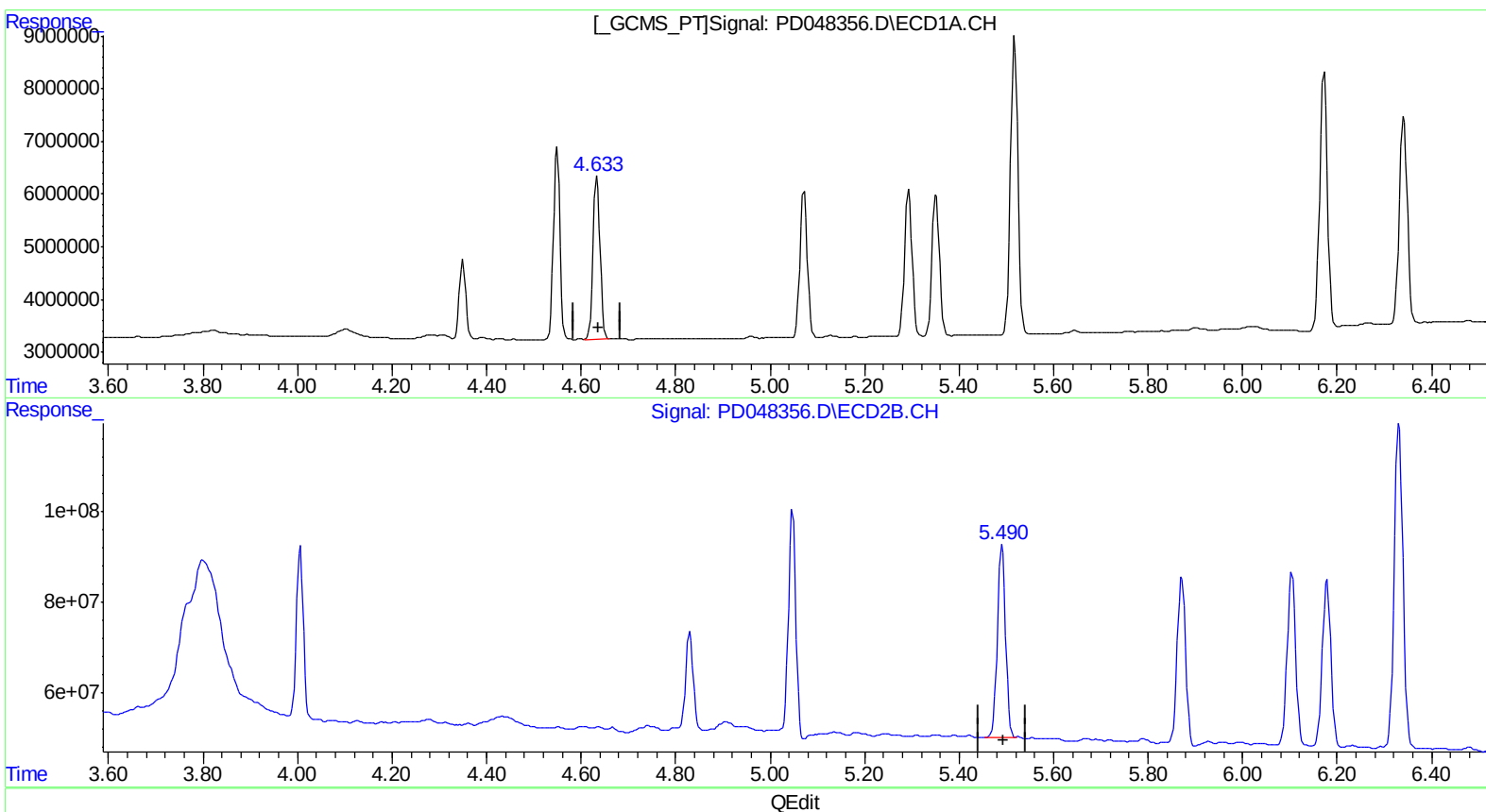
Instrument :
ECD_D
LabSampleId :
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Manual Integrations
APPROVED

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7/13/2018 2:47:37 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



(5) Aldrin (MB)
4.633min 18.651 ng/ml m
response 32096231

(5) Aldrin #2 (MB)
5.491min 18.500 ng/ml
response 514974758

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 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

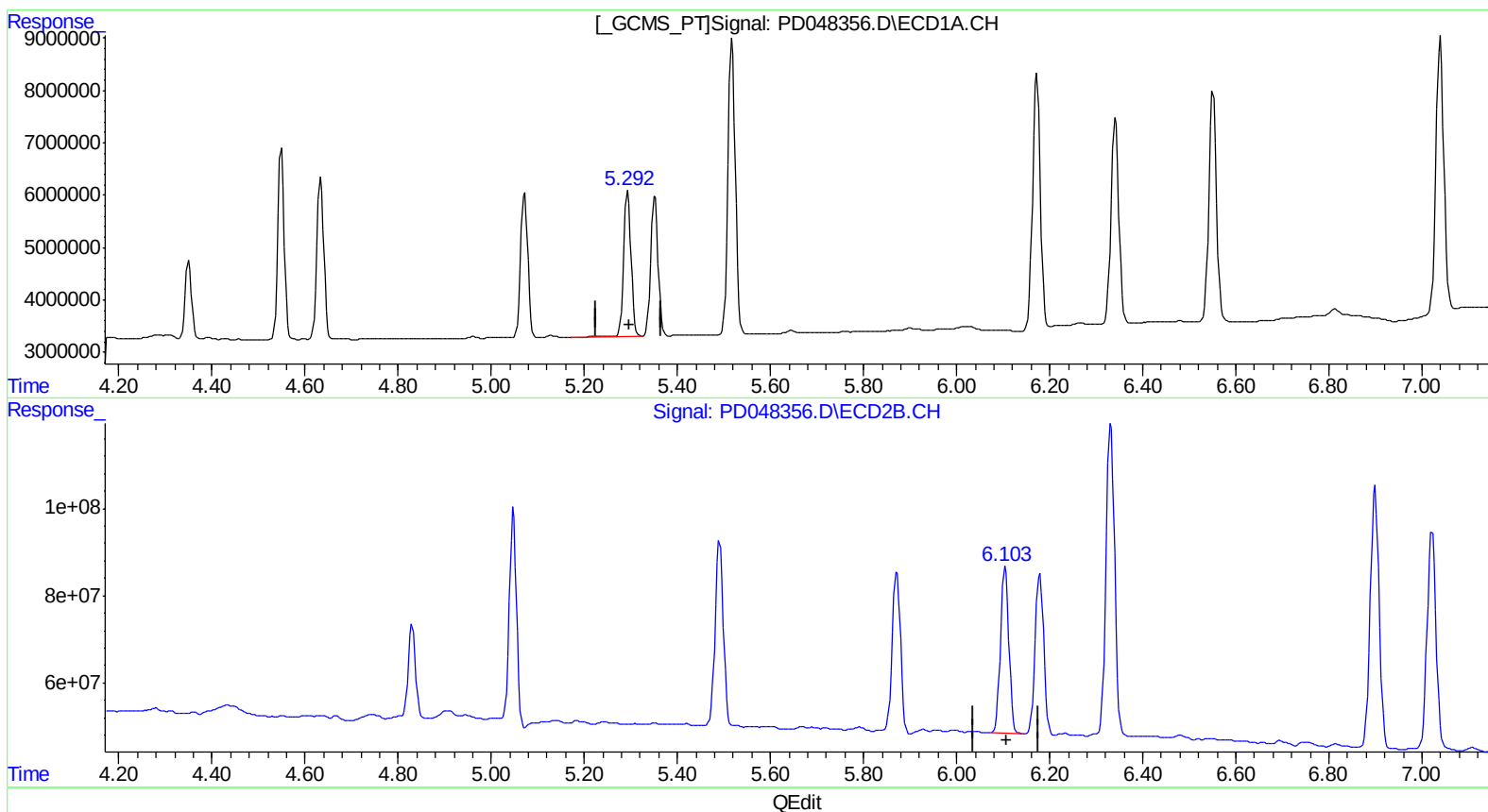
Instrument :
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LabSampleId :
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Manual Integrations
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7/13/2018 2:47:37 PM

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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



(10) trans-Chlordane (B)
5.294min 18.656 ng/ml
response 30232692

(10) trans-Chlordane #2 (B)
6.104min 18.660 ng/ml
response 483082620

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Acq On : 11 Jul 2018 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

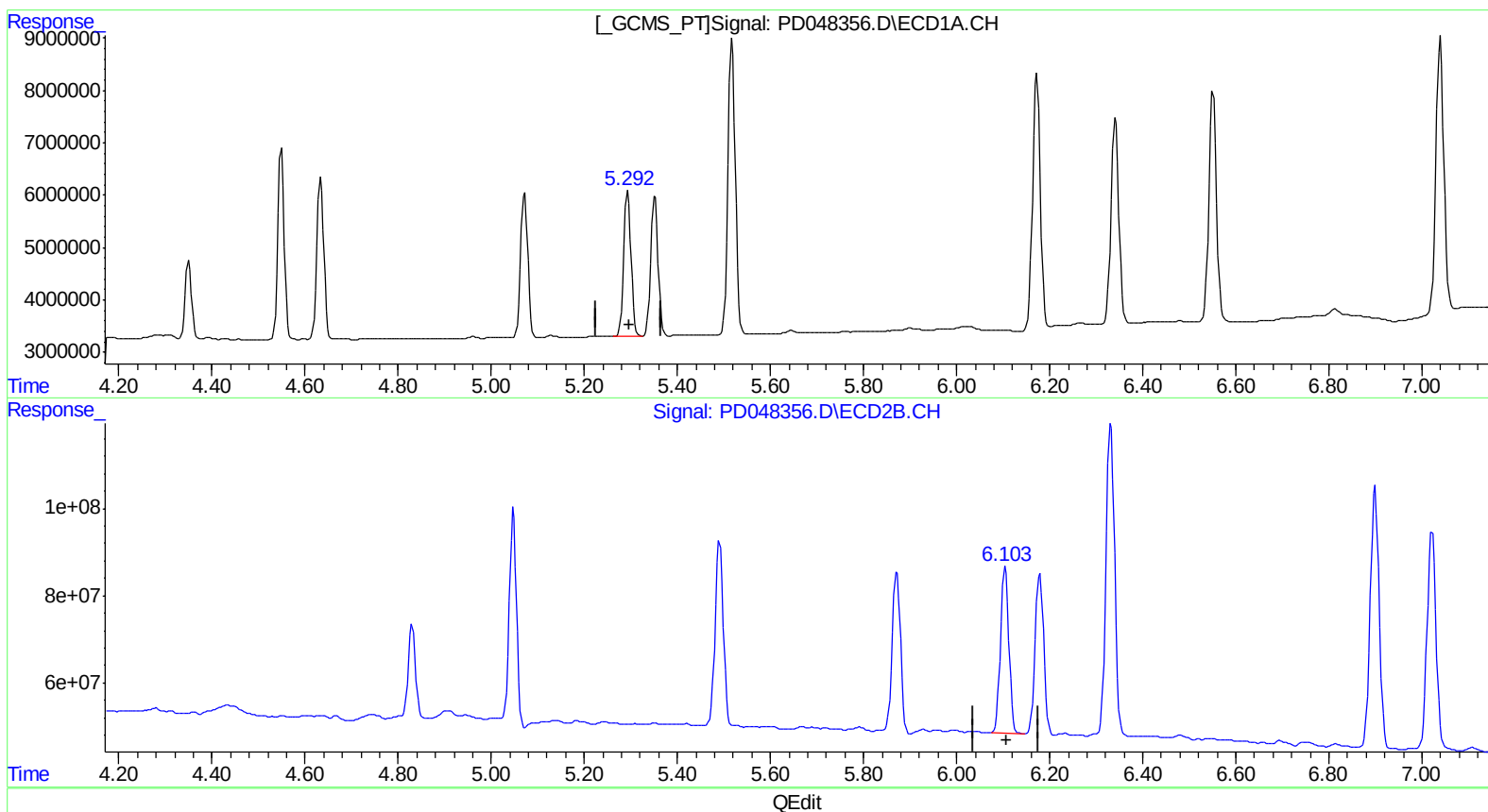
Instrument :
ECD_D
LabSampleId :
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Manual Integrations
APPROVED

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



(10) trans-Chlordane (B)
5.292min 18.705 ng/ml m
response 30311477

(10) trans-Chlordane #2 (B)
6.104min 18.660 ng/ml
response 483082620

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

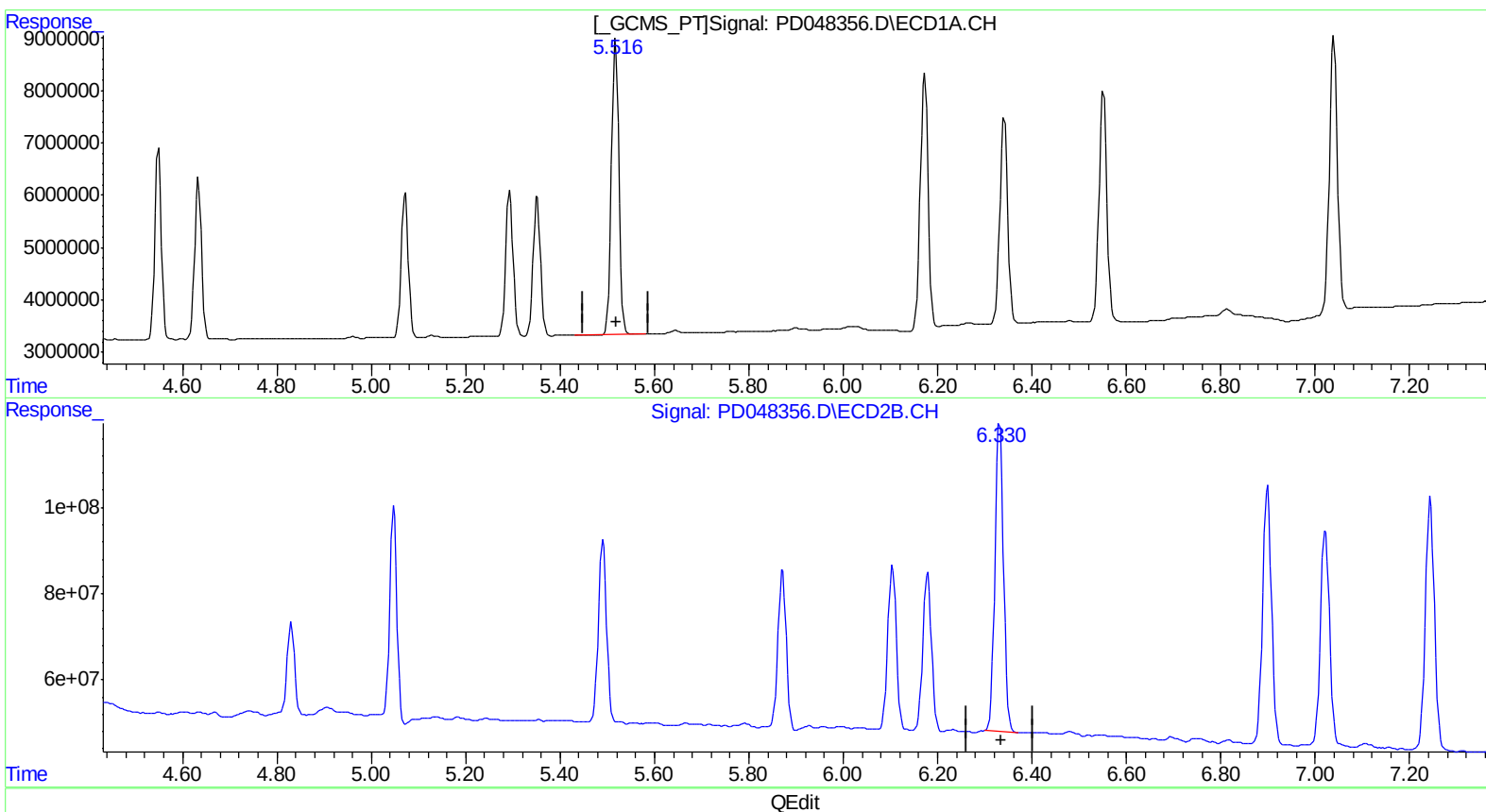
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Manual Integrations
APPROVED

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7/13/2018 2:47:37 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)
5.518min 36.856 ng/ml
response 61484467

(12) 4,4'-DDE #2 (B)
6.332min 38.242 ng/ml
response 914026597

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Acq On : 11 Jul 2018 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

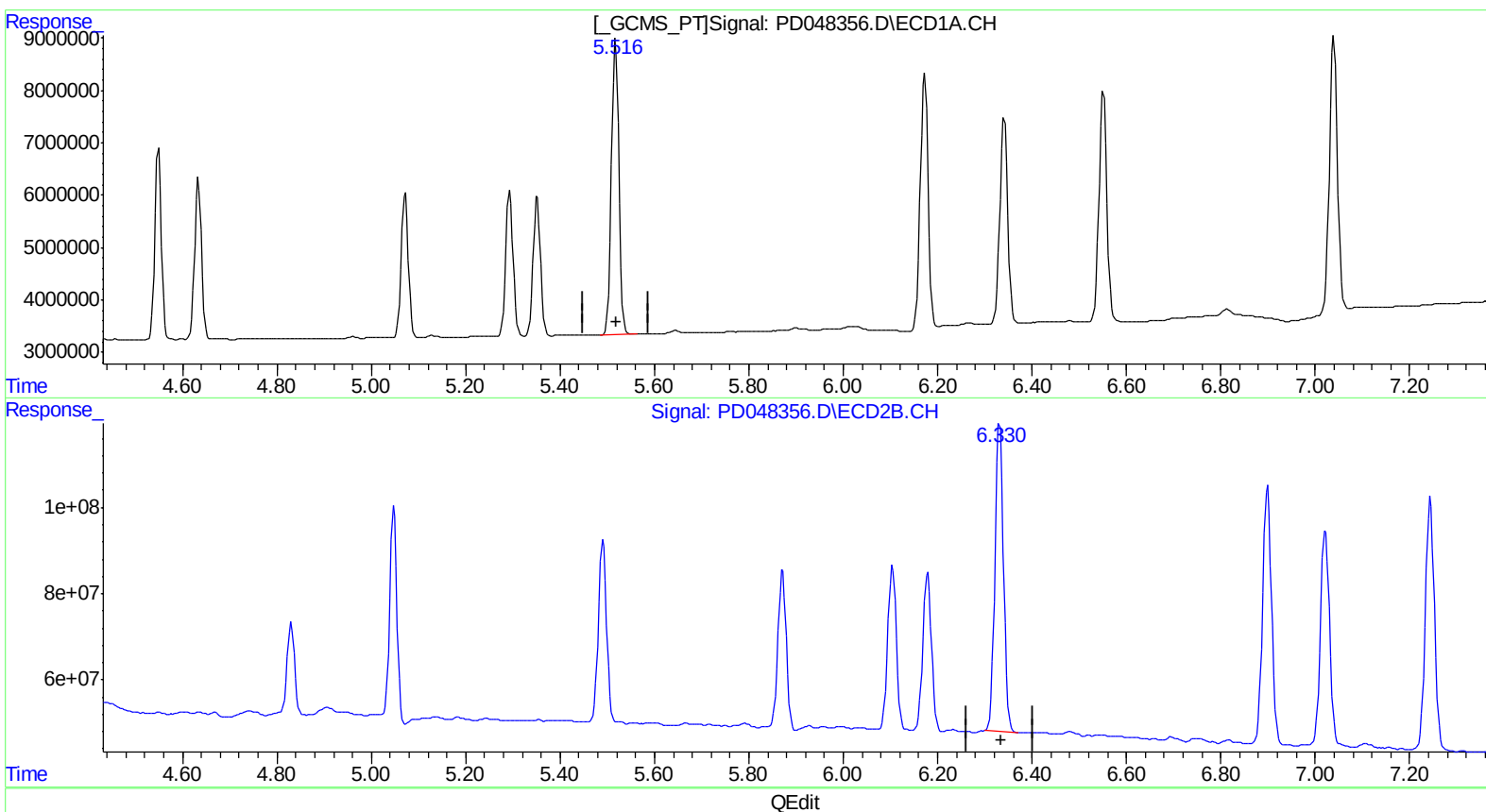
Instrument :
ECD_D
LabSampleId :
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Manual Integrations
APPROVED

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



(12) 4,4'-DDE (B)
5.516min 36.734 ng/ml m
response 61282055

(12) 4,4'-DDE #2 (B)
6.332min 38.242 ng/ml
response 914026597

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:14:35 2018

Page: 1

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Acq On : 11 Jul 2018 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

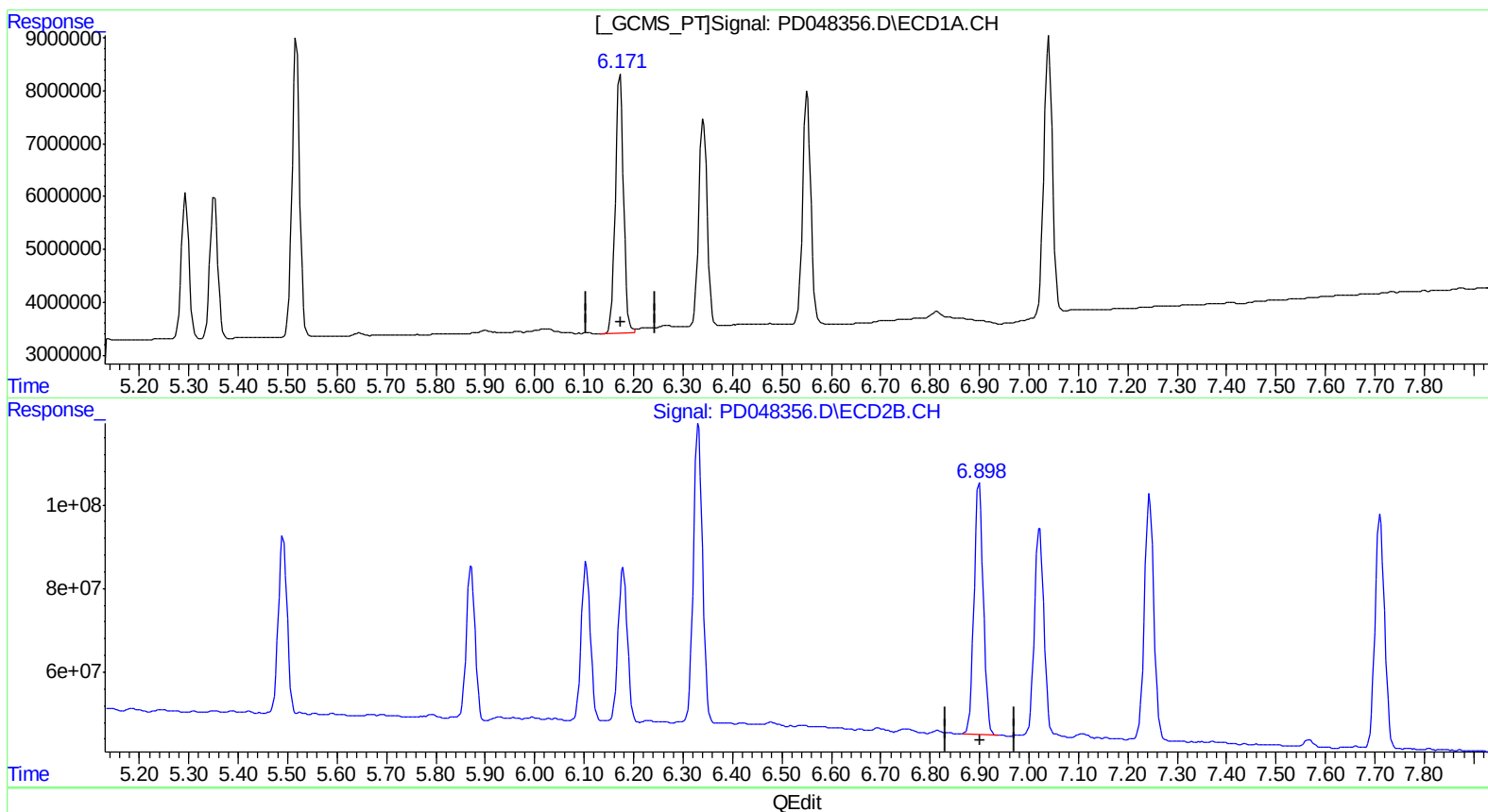
Instrument :
ECD_D
LabSampleId :
INDB345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:37 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:18 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



(15) Endosulfan II (B)

6.173min 37.646 ng/ml

response 57365816

(15) Endosulfan II #2 (B)

6.899min 38.323 ng/ml

response 792274210

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:14:57 2018

Page: 1

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Data File : PD048356.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jul 2018 12:37
Operator : AJ\MA
Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

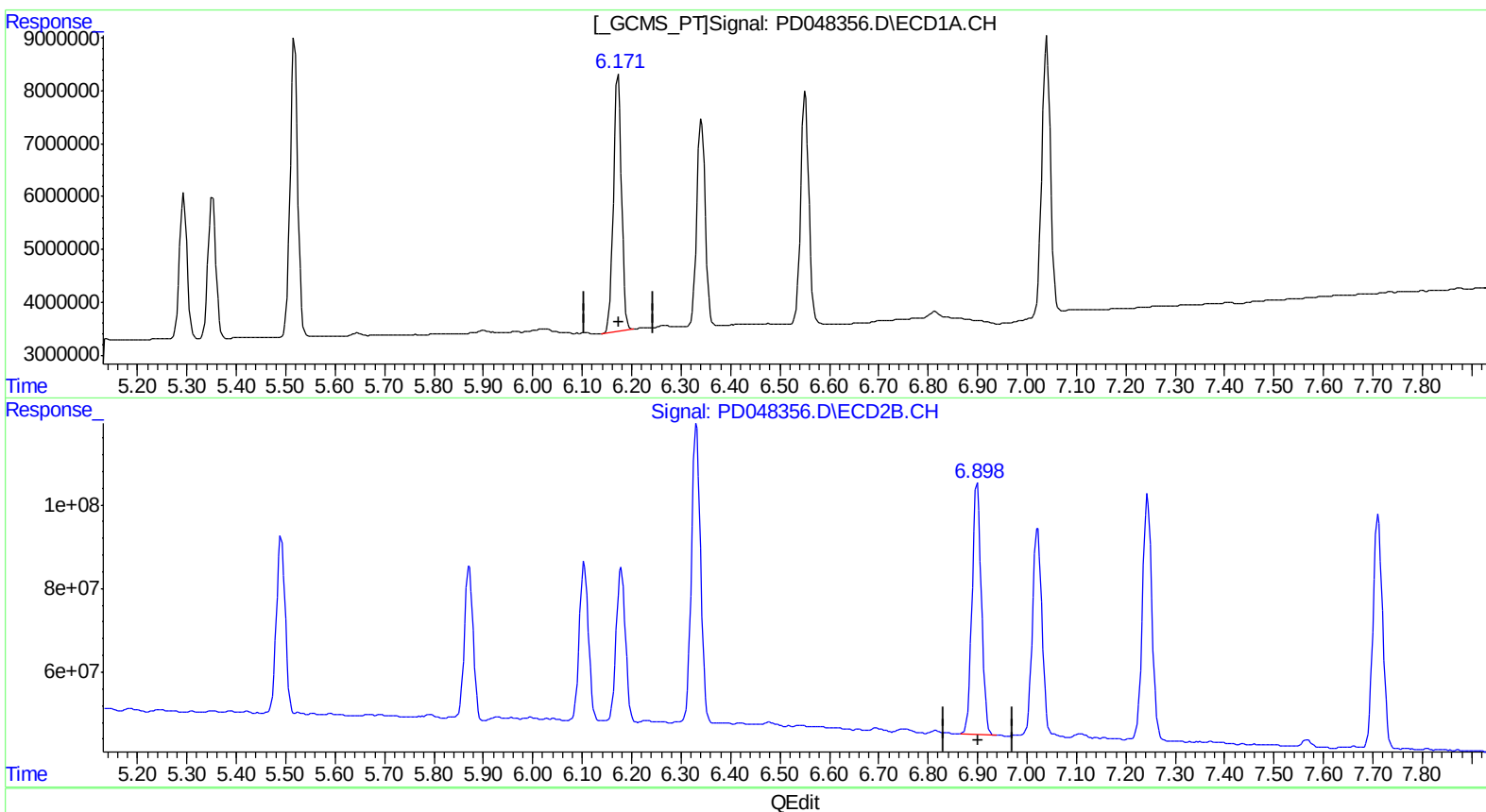
Instrument :
ECD_D
LabSampleId :
INDB345

Manual Integrations
APPROVED

Sohil
7/13/2018 2:47:37 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:39:18 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



(15) Endosulfan II (B)
6.171min 36.877 ng/ml m
response 56194030

(15) Endosulfan II #2 (B)
6.899min 38.323 ng/ml
response 792274210

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Sample : INDB345
Misc :
ALS Vial : 9 Sample Multiplier: 1

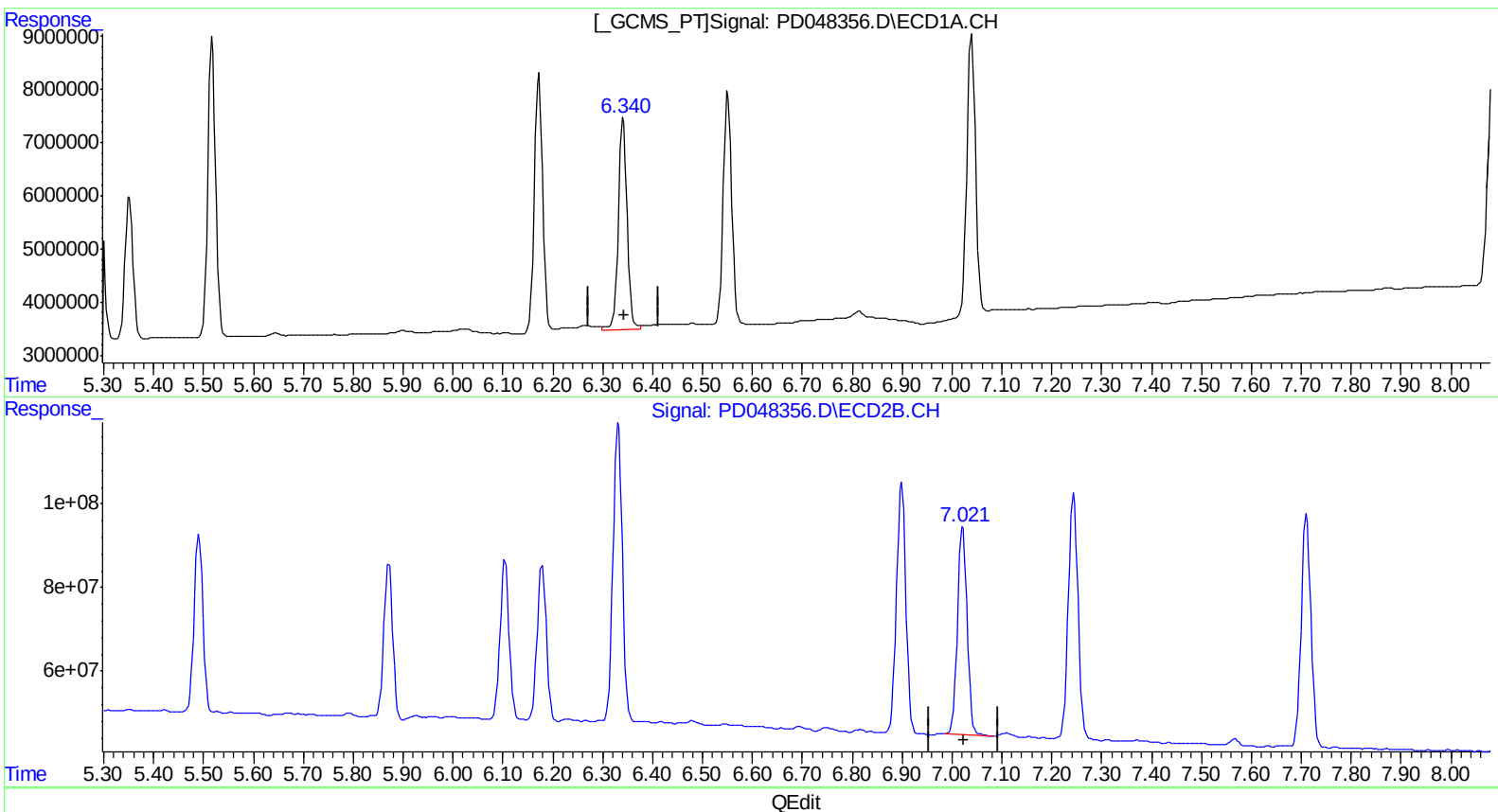
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(18) Endrin aldehyde (B)
6.341min 40.109 ng/ml
response 49303220

(18) Endrin aldehyde #2 (B)
7.022min 38.350 ng/ml
response 673942896

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Sample : INDB345
Misc :
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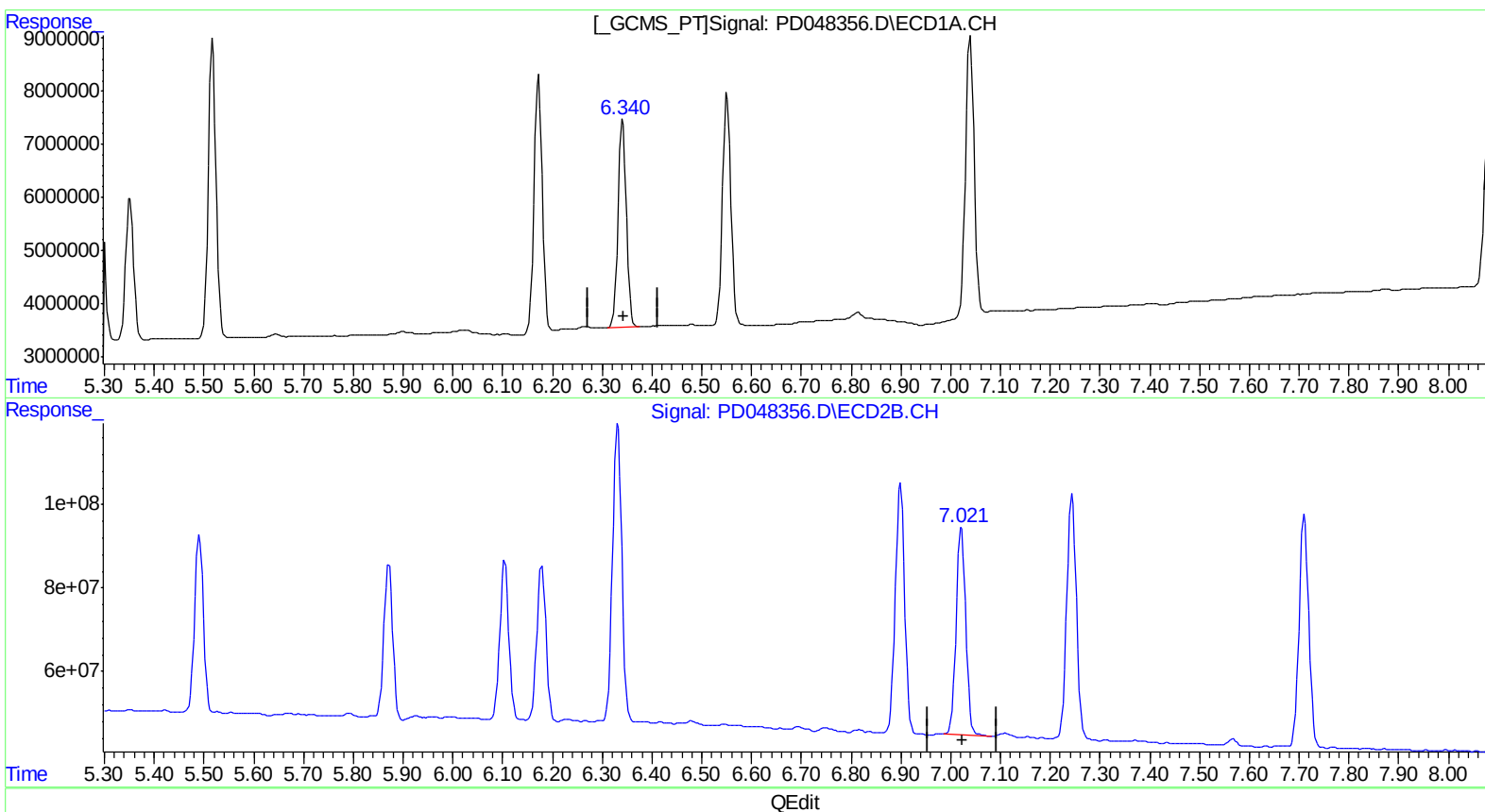
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Manual Integrations
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7/13/2018 2:47:37 PM

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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



(18) Endrin aldehyde (B)
6.340min 37.303 ng/ml m
response 45853541

(18) Endrin aldehyde #2 (B)
7.022min 38.350 ng/ml
response 673942896

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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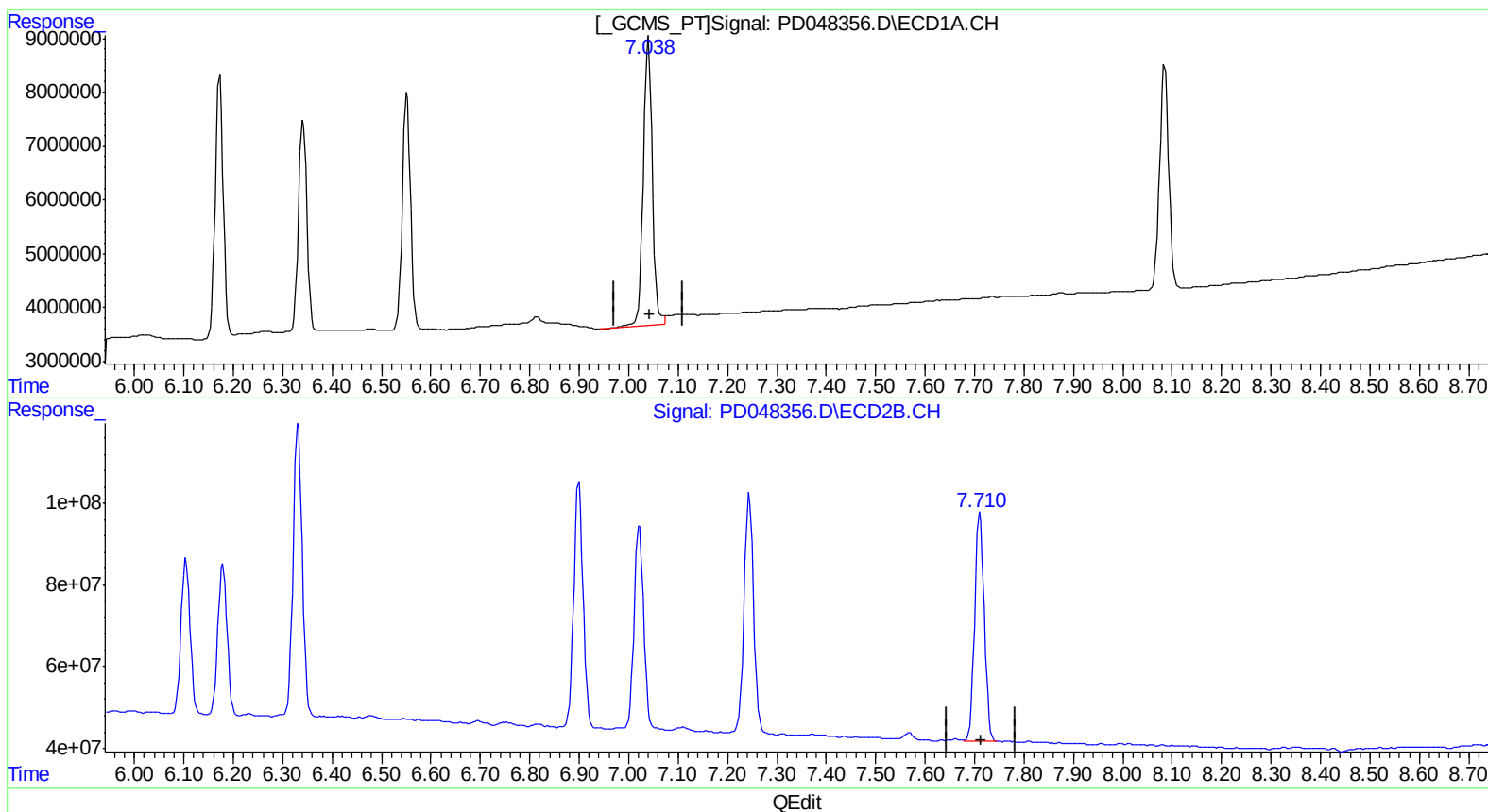
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)

7.040min 39.855 ng/ml

response 68400272

(21) Endrin ketone #2 (B)

7.711min 39.546 ng/ml

response 755540470

(+) = Expected Retention Time

PD062818CLP.M Thu Jul 12 02:15:36 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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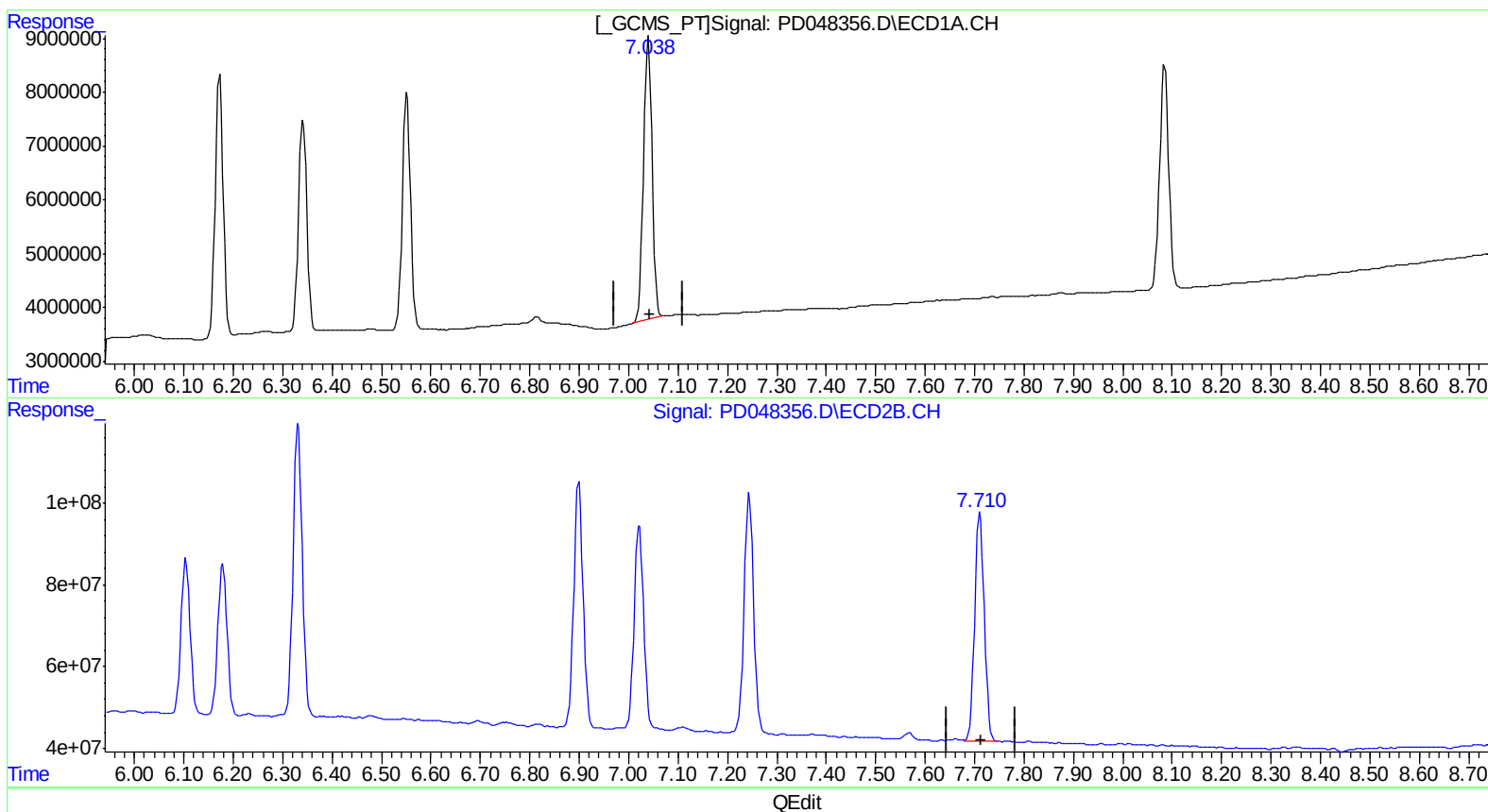
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Volume Ini. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)
7.038min 36.503 ng/ml m
response 62647745

(21) Endrin ketone #2 (B)
7.711min 39.546 ng/ml
response 755540470

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071118\
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Instrument :
 ECD_D
 LabSampleId :
 INDB345

Integration File signal 1: autoint1.e
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 Quant Time: Jul 12 02:16:00 2018
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD_D\Method\PD062818CLP.M
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 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Manual Integrations
 APPROVED

Sohil
 7/13/2018 2:47:37 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	22706590	369.0E6	18.791m)	18.122
27) SA Decachlor...	8.085	9.052	53961518	748.0E6	40.366	42.211
Target Compounds						
5) MB Aldrin	4.633	5.491	32096231	515.0E6	18.651m)	18.500
6) B beta-BHC	4.350	4.831	14023409	226.0E6	18.755	17.571
7) B delta-BHC	4.549	5.048	34796400	524.6E6	18.774	17.032
8) B Heptachlo...	5.072	5.872	29696664	469.8E6	18.521	18.301
10) B trans-Chl...	5.292	6.104	30311477	483.1E6	18.705m)	18.660
11) B cis-Chlor...	5.352	6.179	29536101	477.1E6	18.667	18.893
12) B 4,4'-DDE	5.516	6.332	61282055	914.0E6	36.734m)	38.242
15) B Endosulfa...	6.171	6.899	56194030	792.3E6	36.877m)	38.323
18) B Endrin al...	6.340	7.022	45853541	673.9E6	37.303m)	38.350
19) B Endosulfa...	6.551	7.244	52434040	786.7E6	37.737	39.066
21) B Endrin ke...	7.038	7.711	62647745	755.5E6	36.503m)	39.546

AJ 07/17/18

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