

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

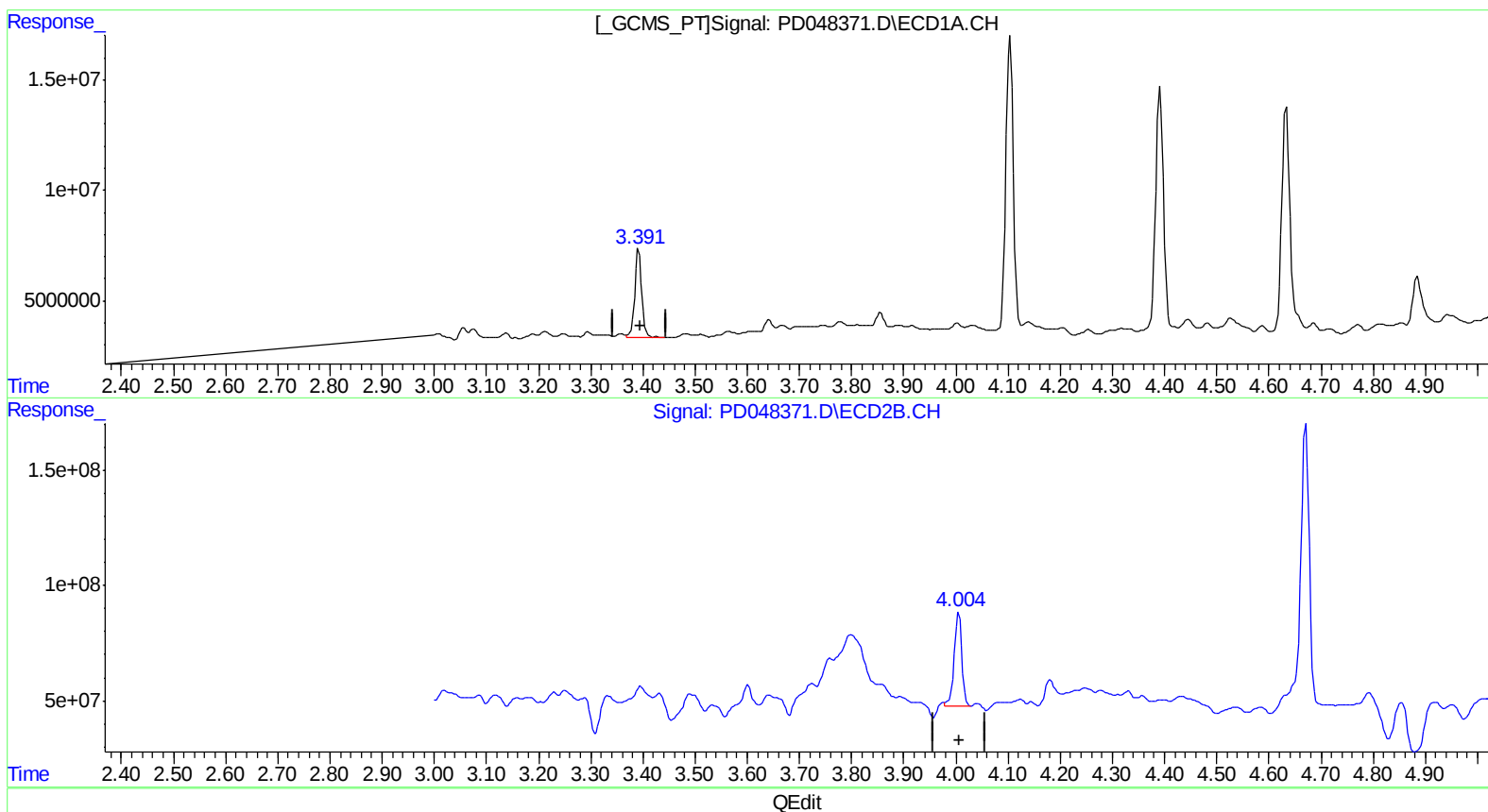
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 13 02:19:51 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)

3.392min 31.367 ng/ml

response 37903449

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

4.004min 20.472 ng/ml m

response 416808363

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

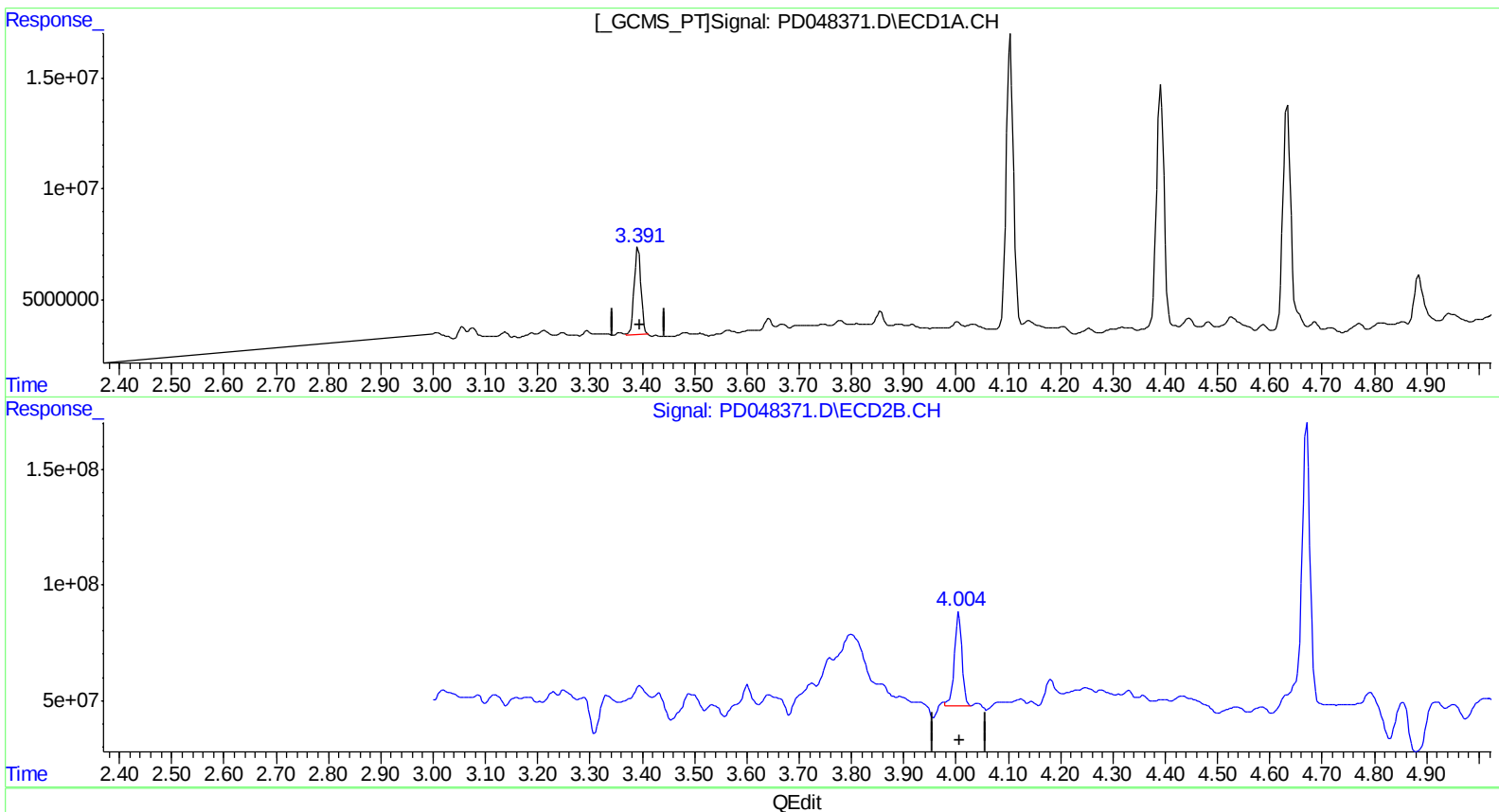
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
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7/13/2018 7:07:29 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



(1) Tetrachloro-m-xylene (SA)

3.391min 28.912 ng/ml m

response 34936511

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

4.004min 20.472 ng/ml m

response 416808363

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 09:48:47 2018

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

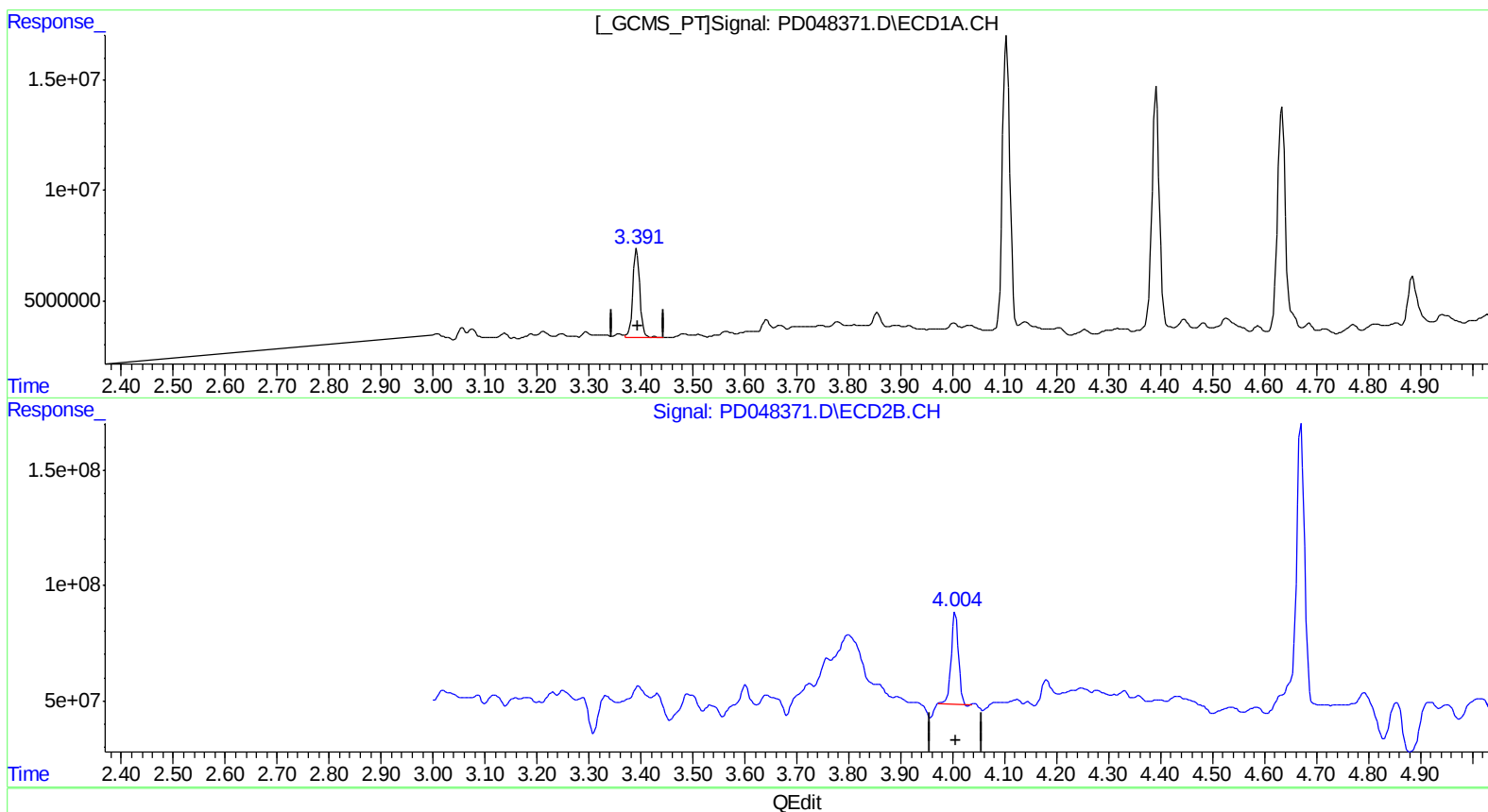
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 13 01:17:09 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 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



(1) Tetrachloro-m-xylene (SA)

3.392min 31.367 ng/ml

response 37903449

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

4.005min 19.007 ng/ml

response 386980385

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:15:54 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

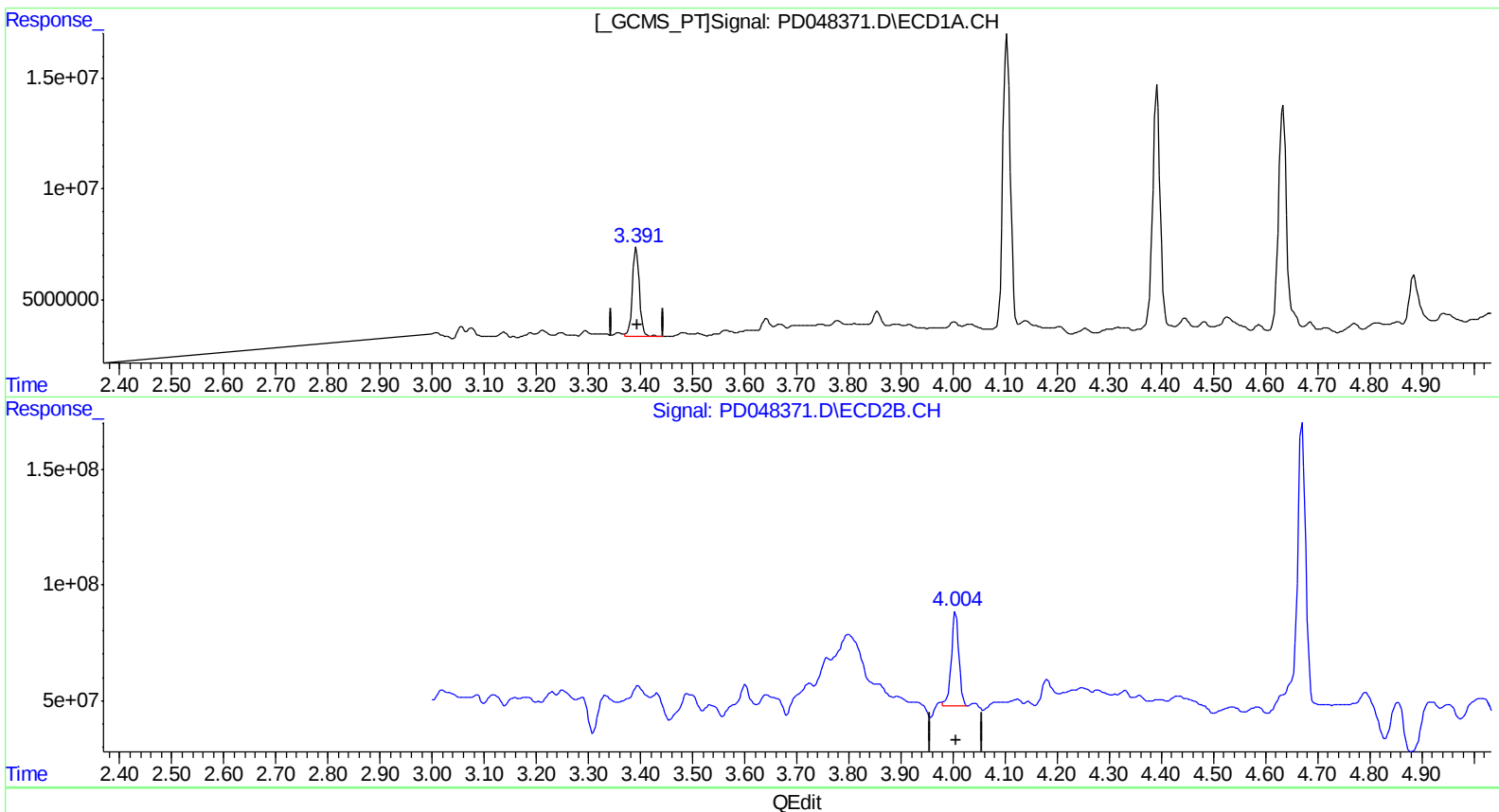
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

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7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
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QLast Update : Fri Jun 29 16:27:50 2018
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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



(1) Tetrachloro-m-xylene (SA)

3.392min 31.367 ng/ml

response 37903449

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

4.004min 20.472 ng/ml m

response 416808363

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:16:07 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
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Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

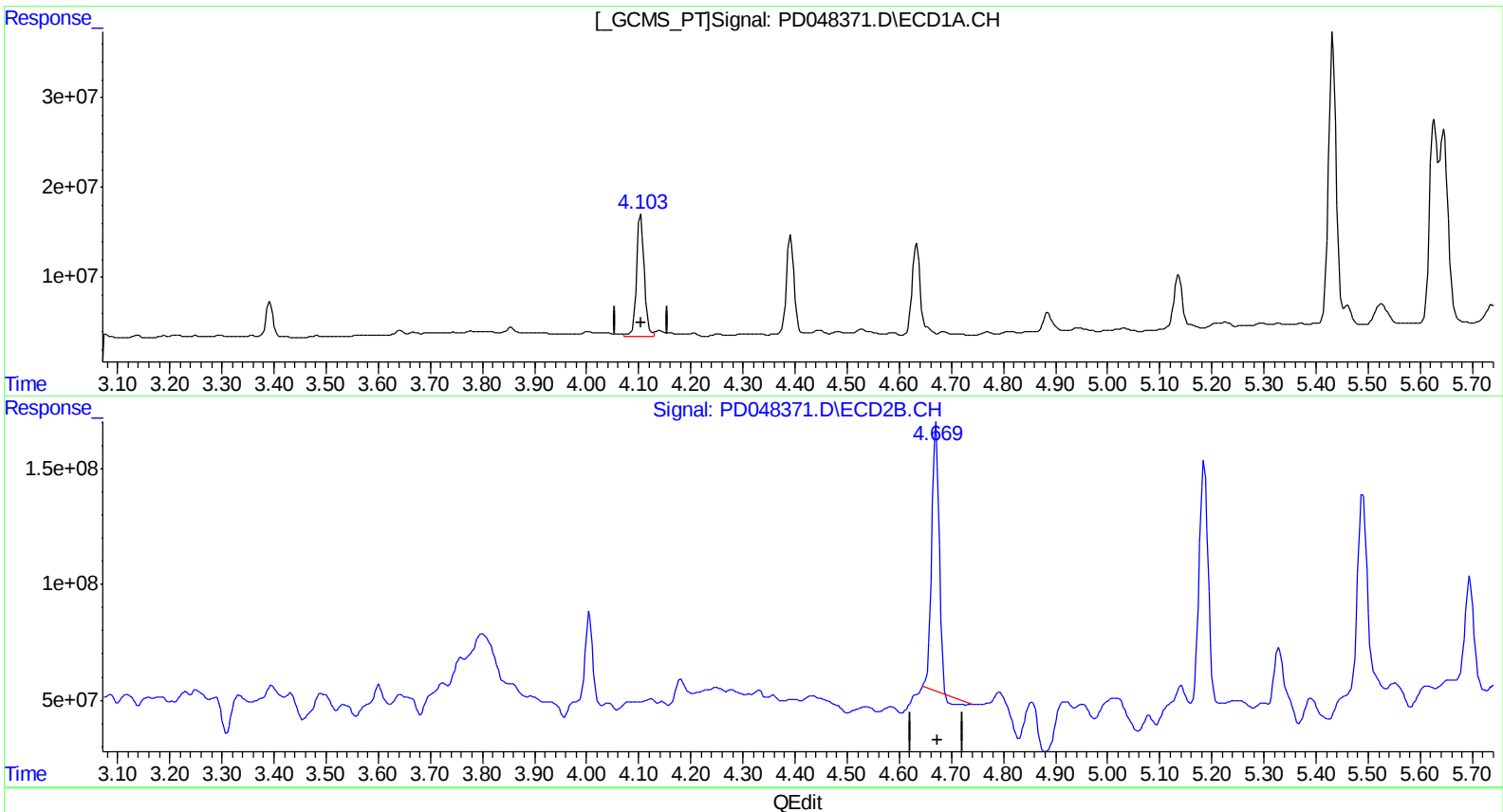
Instrument :
ECD_D
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Manual Integrations
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



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

4.104min 74.686 ng/ml

response 140048774

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

4.671min 38.027 ng/ml

response 1103091209

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
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Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

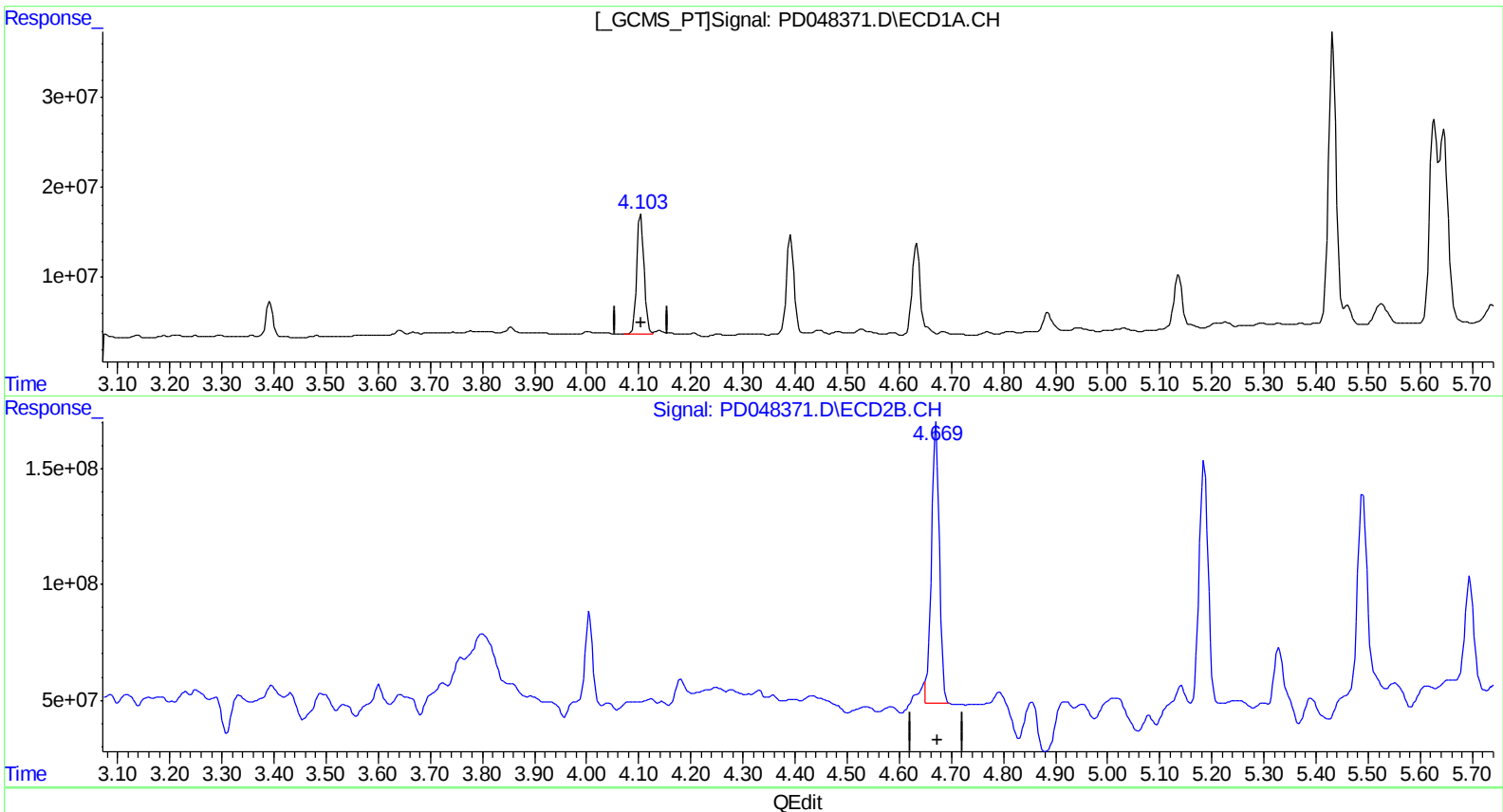
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

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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



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

4.103min 70.202 ng/ml m

response 131639891

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

4.669min 44.803 ng/ml m

response 1299665007

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:16:29 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

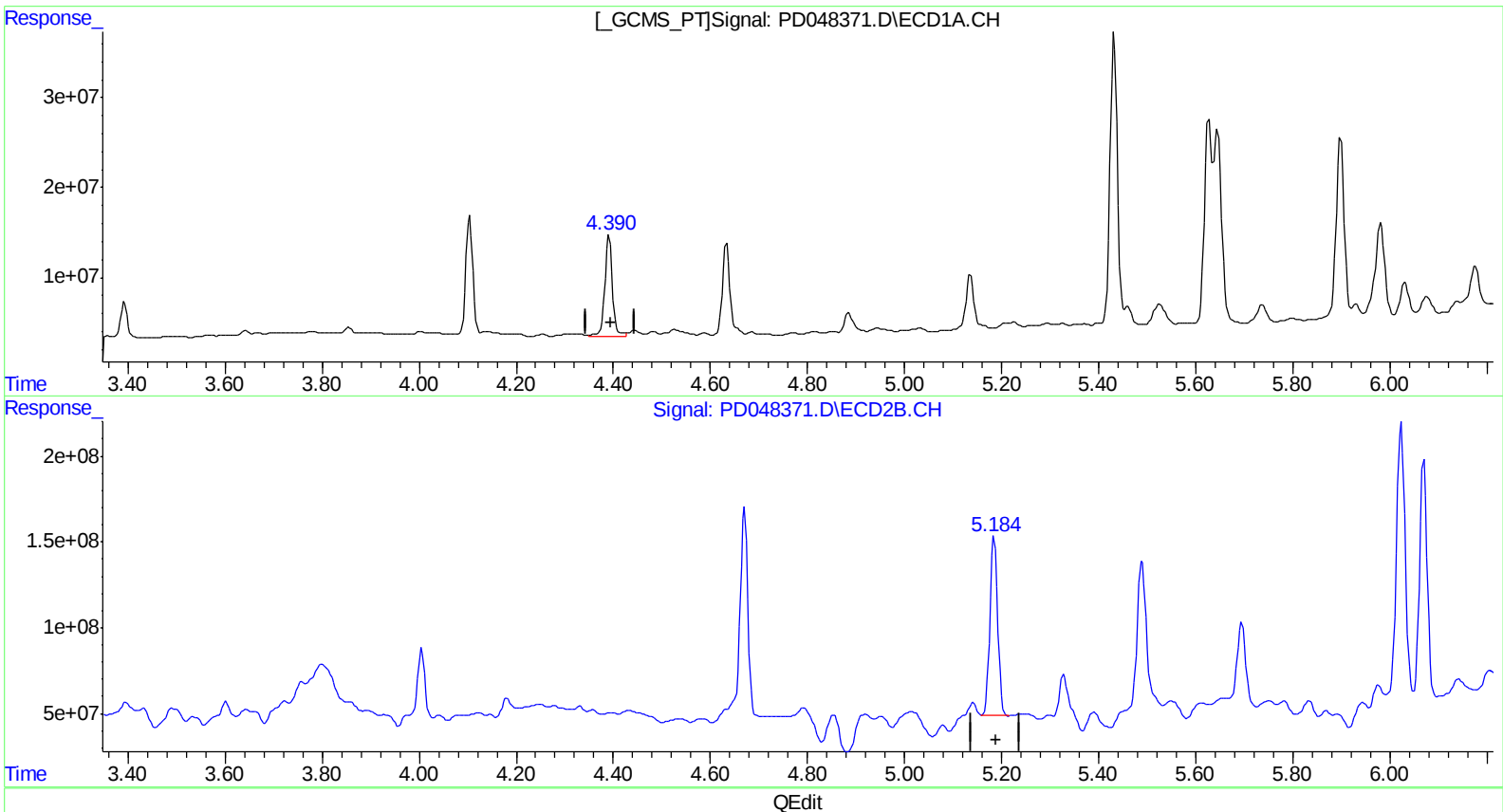
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
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Integration File signal 1: autoint1.e
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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



(4) Heptachlor (MA)
4.392min 68.842 ng/ml
response 121797176

(4) Heptachlor #2 (MA)
5.185min 41.581 ng/ml
response 1202967435

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:16:41 2018

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

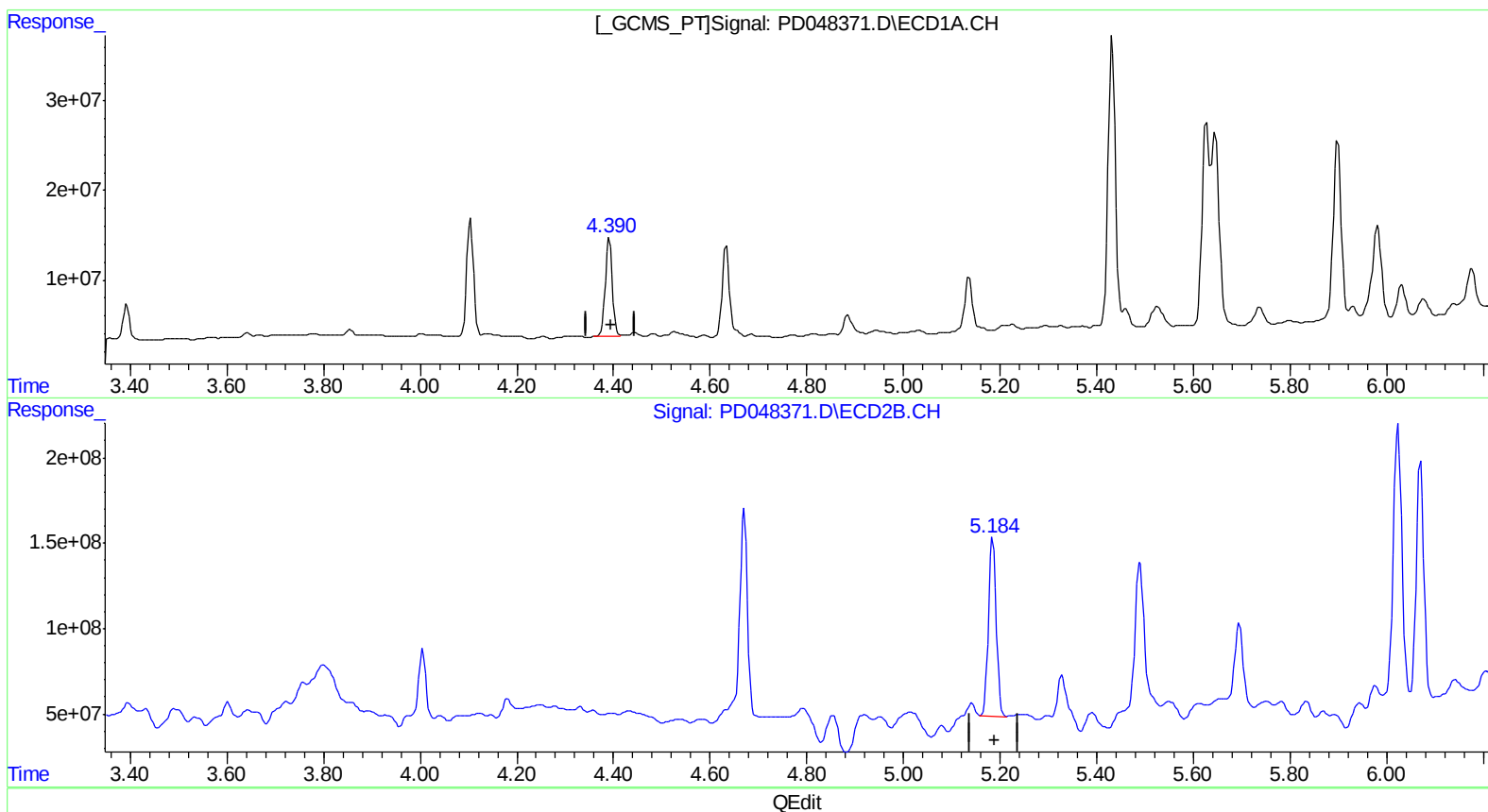
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

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Integration File signal 1: autoint1.e
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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



(4) Heptachlor (MA)
4.390min 63.450 ng/ml m
response 112258728

(4) Heptachlor #2 (MA)
5.184min 41.766 ng/ml m
response 1208322940

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:16:55 2018

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

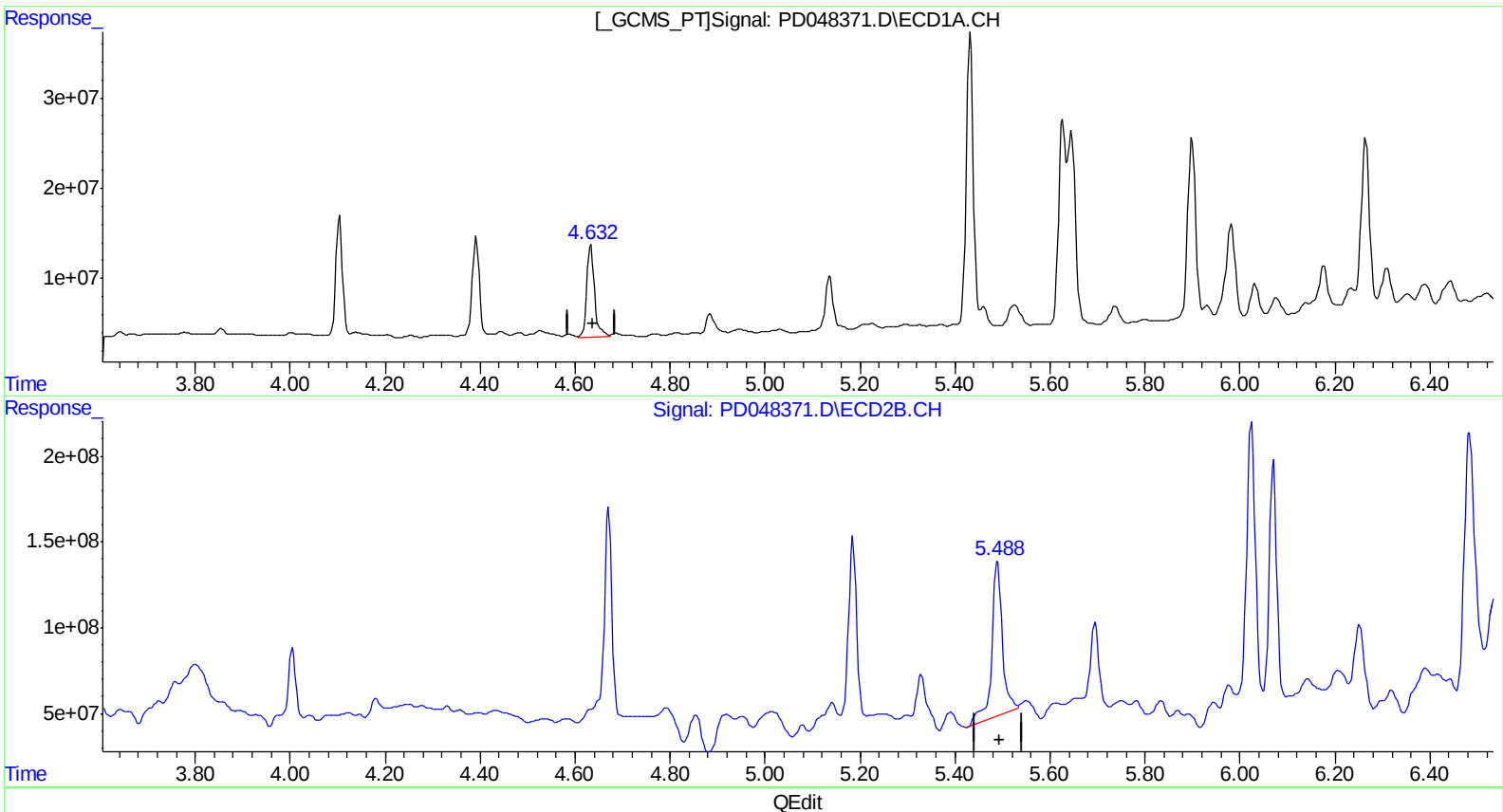
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

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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



(5) Aldrin (MB)
4.634min 67.743 ng/ml
response 116579161

(5) Aldrin #2 (MB)
5.490min 50.957 ng/ml
response 1418462016

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

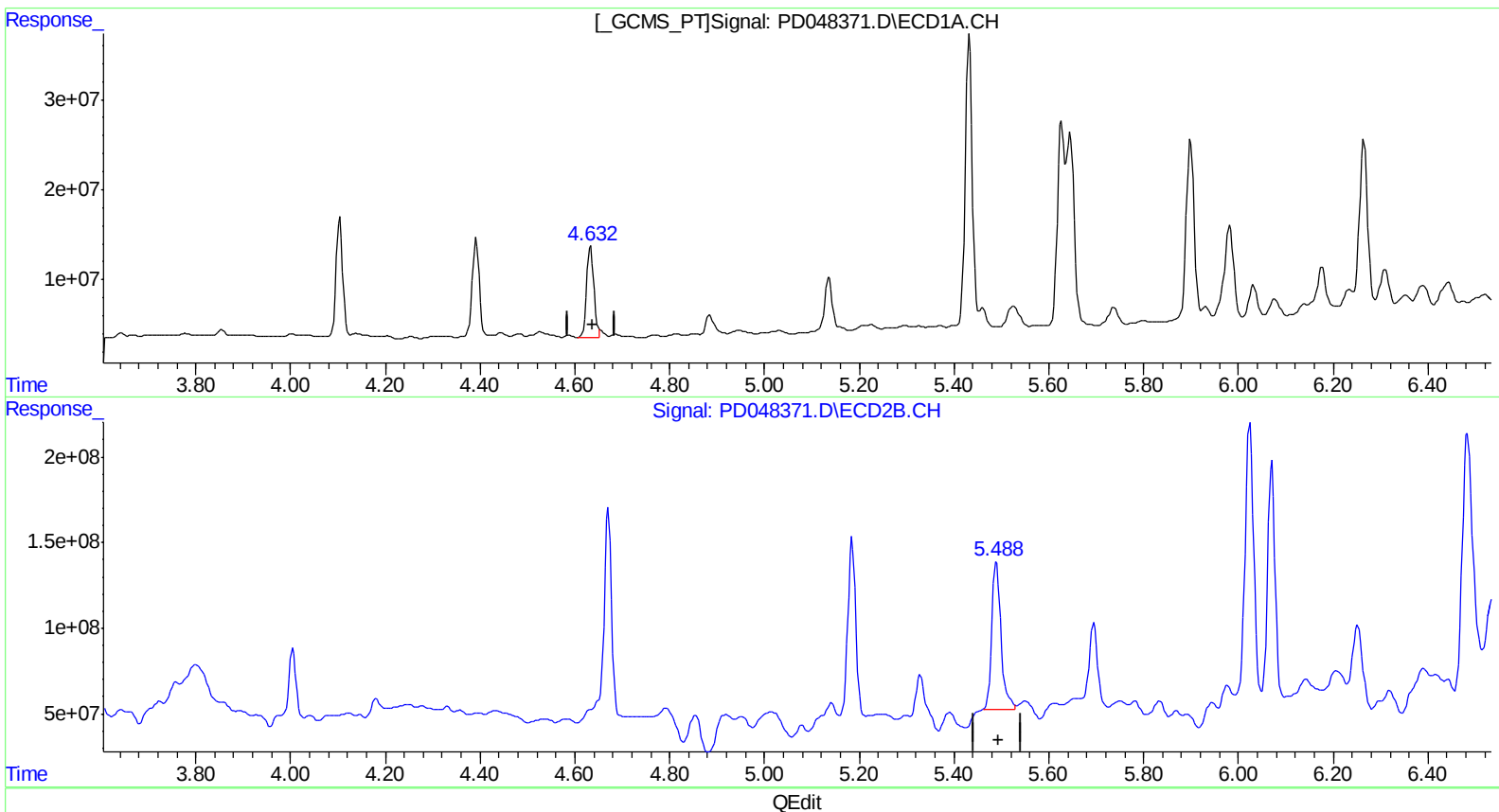
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
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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



(5) Aldrin (MB)
4.632min 62.154 ng/ml m
response 106961190

(5) Aldrin #2 (MB)
5.488min 42.527 ng/ml m
response 1183797009

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

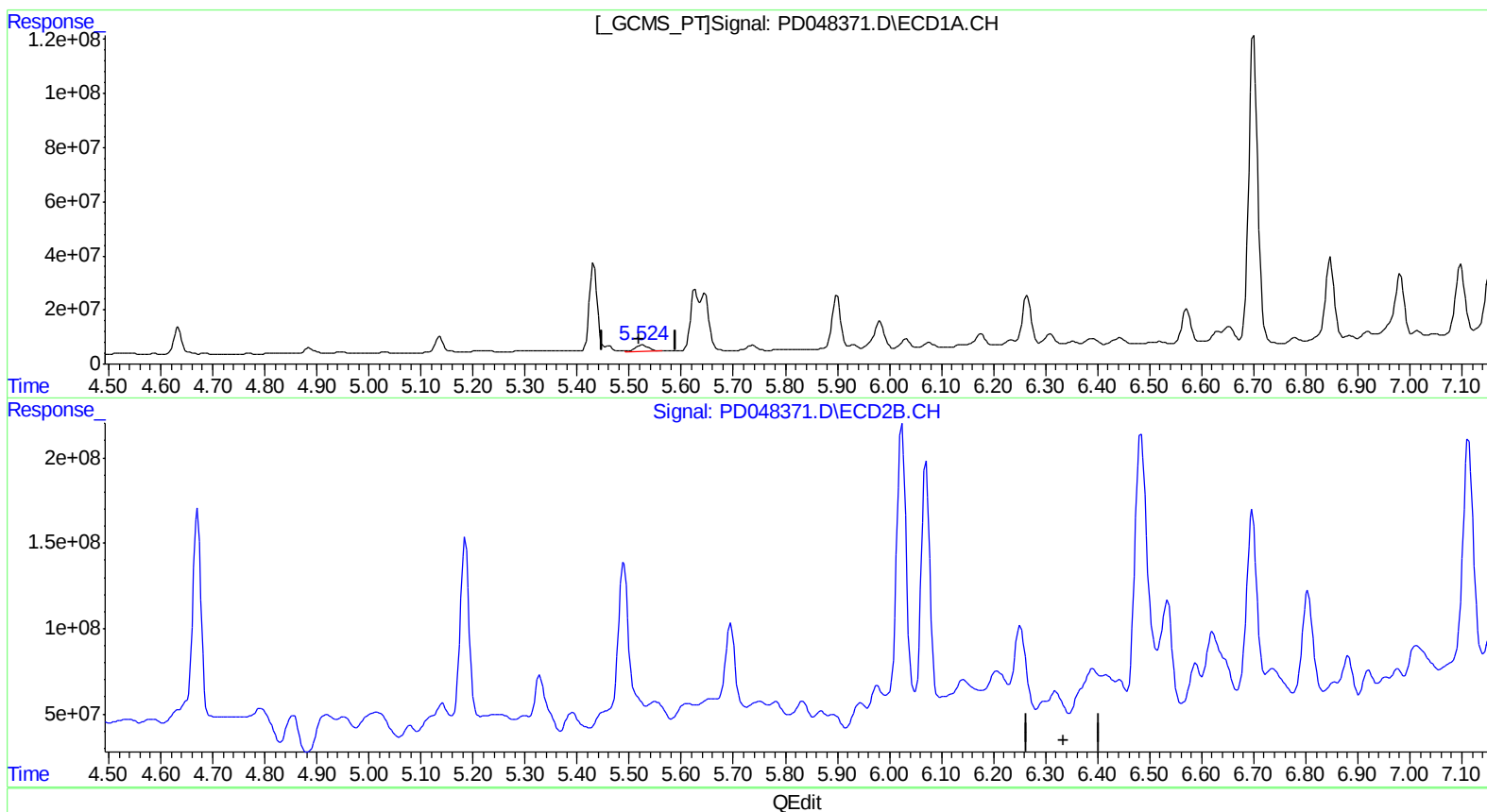
Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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7/13/2018 7:07:29 PM

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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



(12) 4,4'-DDE (B)
5.526min 25.380 ng/ml
response 42340152

(12) 4,4'-DDE #2 (B)
0.000min 0.000 ng/ml
response 0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

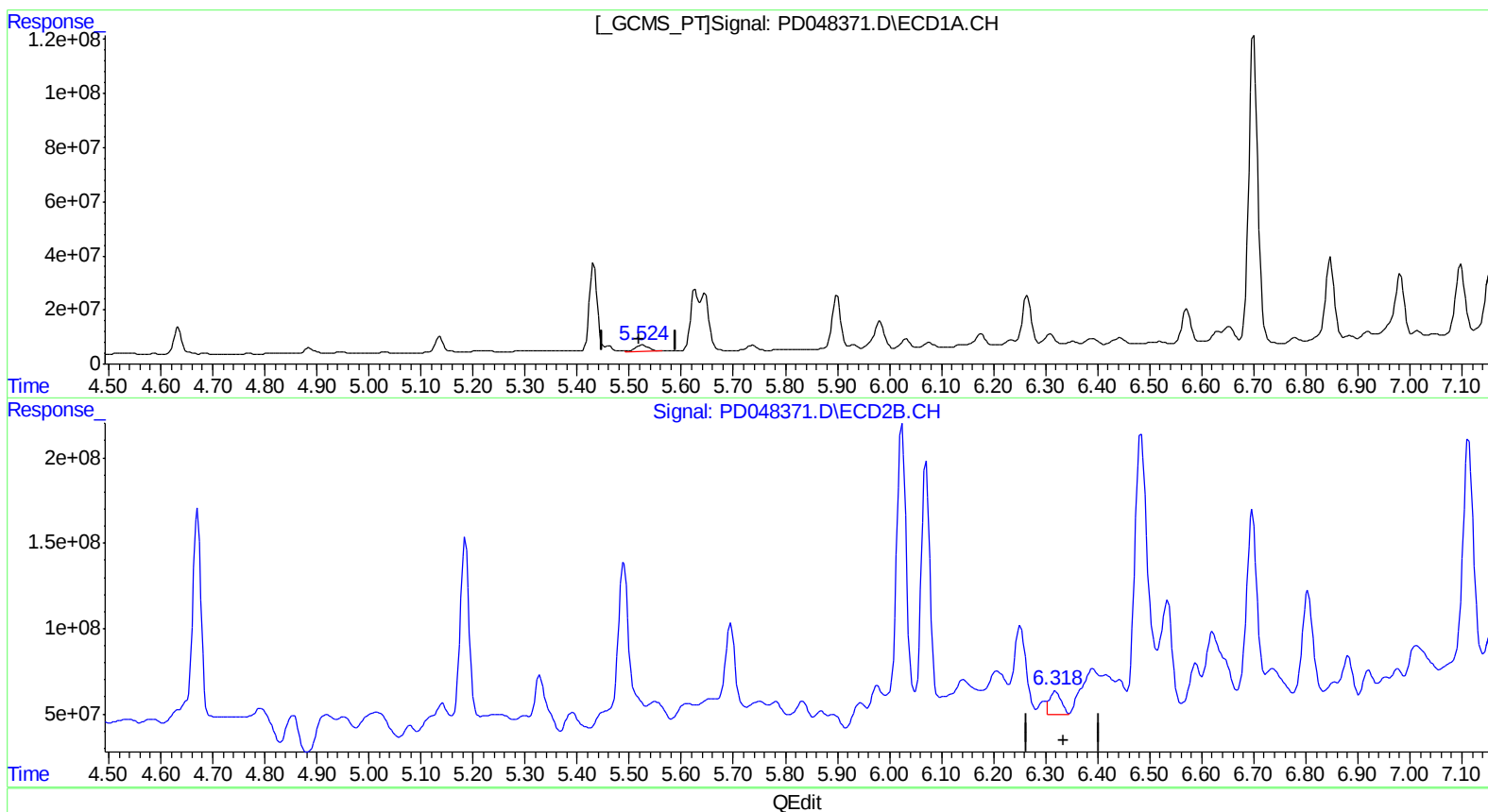
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

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7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
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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



(12) 4,4'-DDE (B)
5.526min 25.380 ng/ml
response 42340152

(12) 4,4'-DDE #2 (B)
6.318min 8.359 ng/ml m
response 199783886

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Sample : J3765-03MSD
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ALS Vial : 9 Sample Multiplier: 1

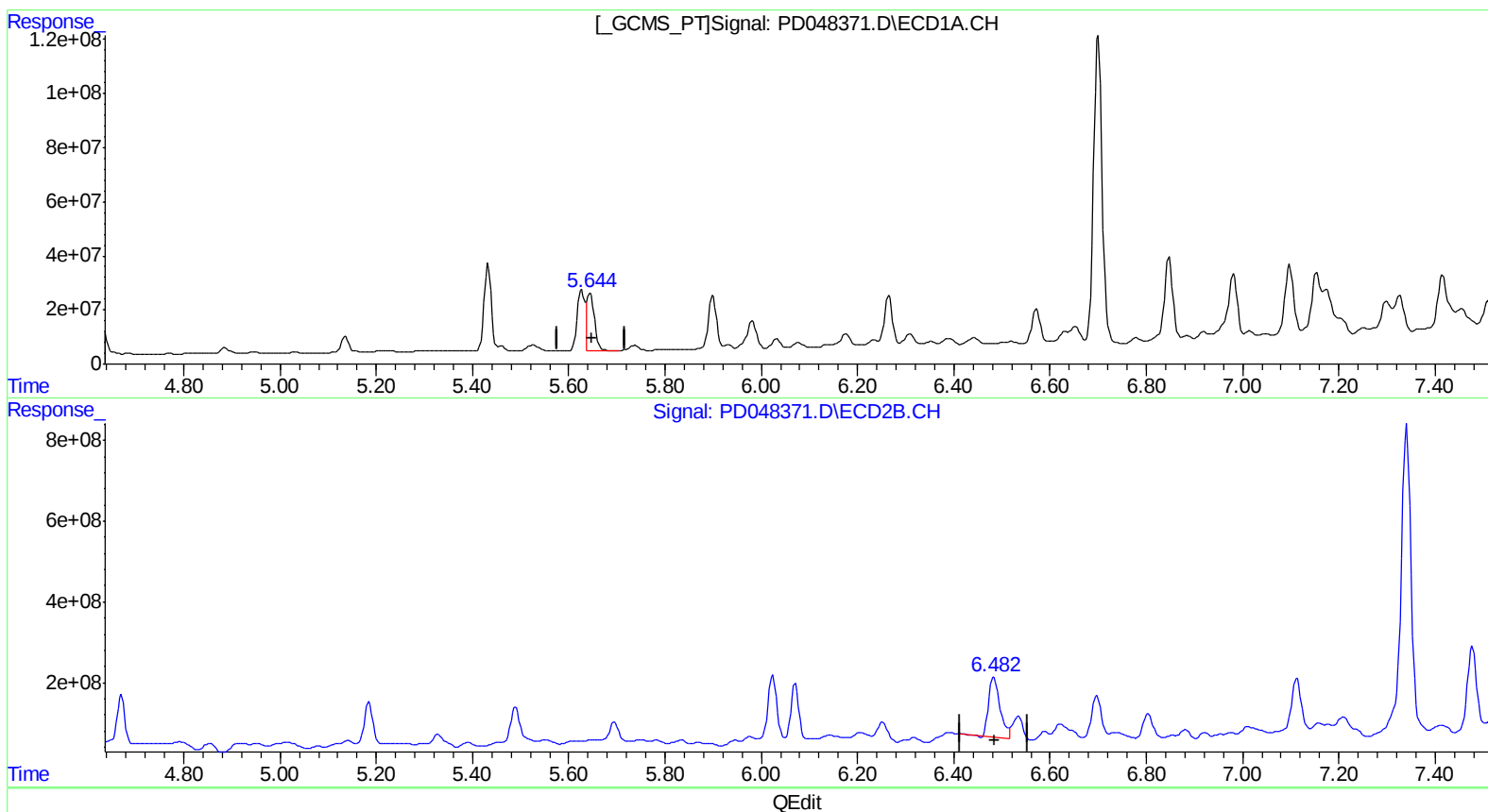
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Manual Integrations
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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(13) Dieldrin (MA)
5.645min 143.581 ng/ml
response 248282154

(13) Dieldrin #2 (MA)
6.484min 98.947 ng/ml
response 2387747231

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
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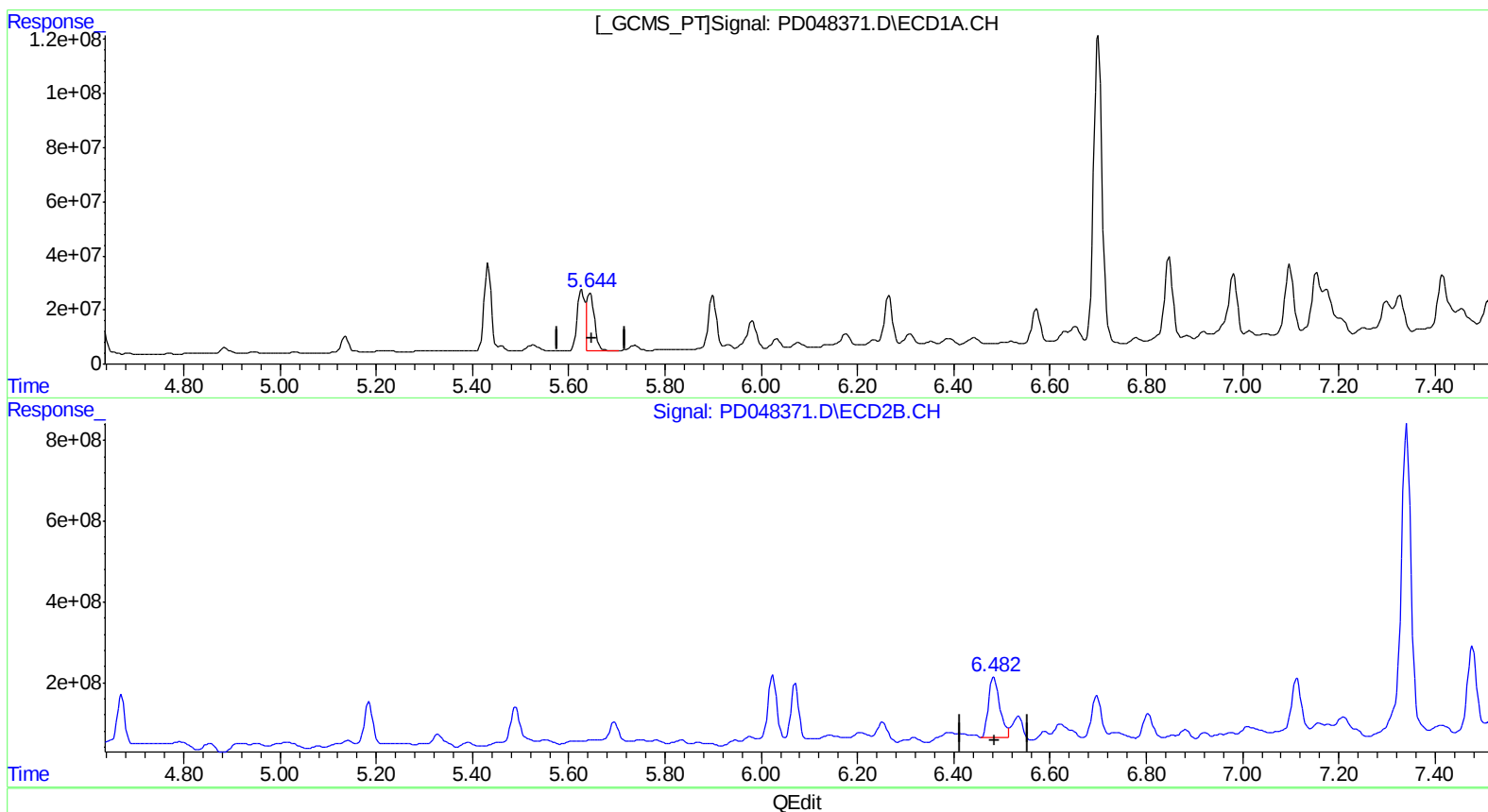
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Manual Integrations
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(13) Dieldrin (MA)
5.645min 143.581 ng/ml
response 248282154

(13) Dieldrin #2 (MA)
6.482min 104.100 ng/ml m
response 2512091325

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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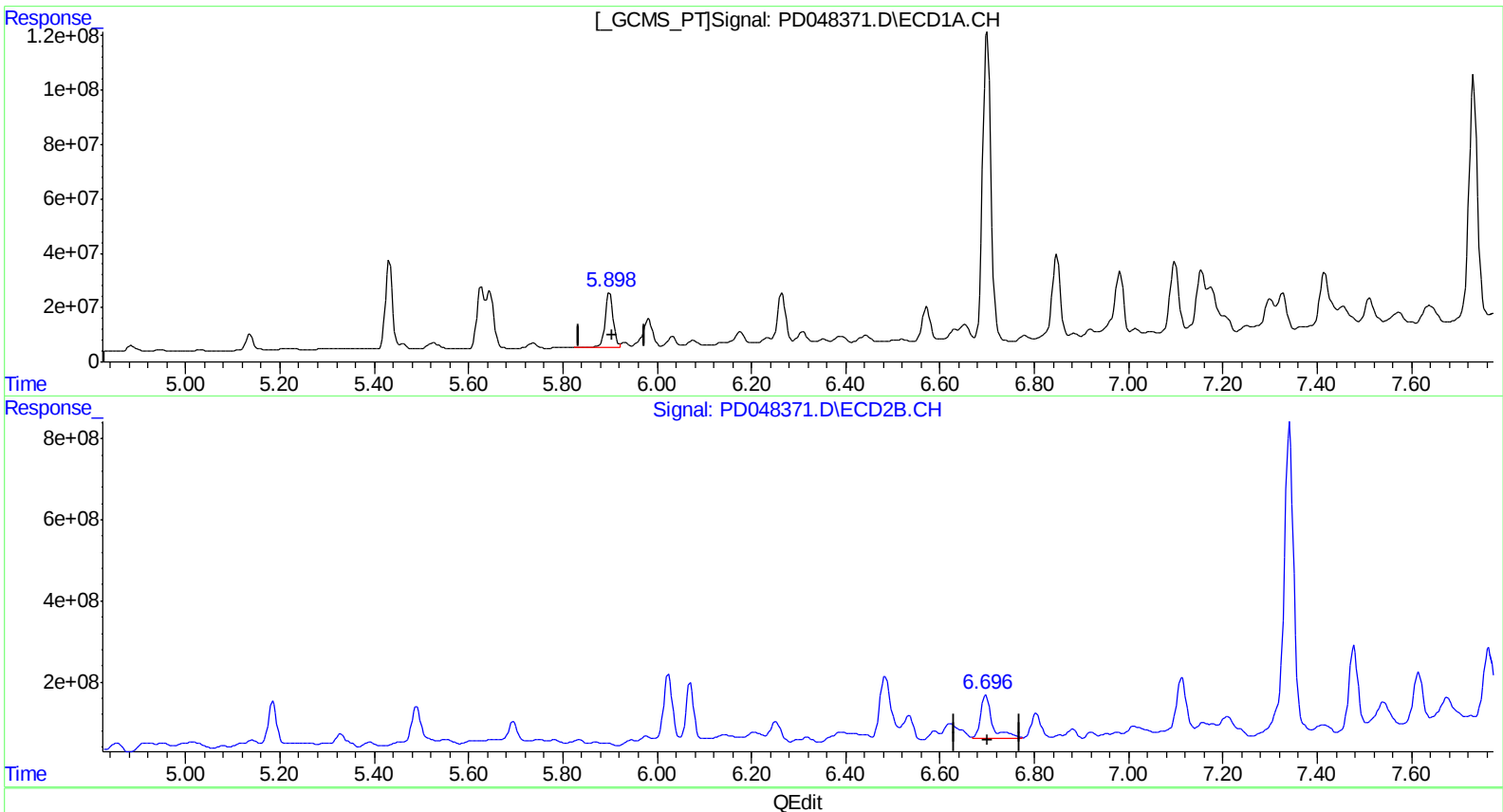
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ECD_D
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Manual Integrations
APPROVED

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7/13/2018 7:07:29 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



(14) Endrin (MA)
5.899min 160.024 ng/ml
response 240938991

(14) Endrin #2 (MA)
6.698min 94.818 ng/ml
response 1872601373

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
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ALS Vial : 9 Sample Multiplier: 1

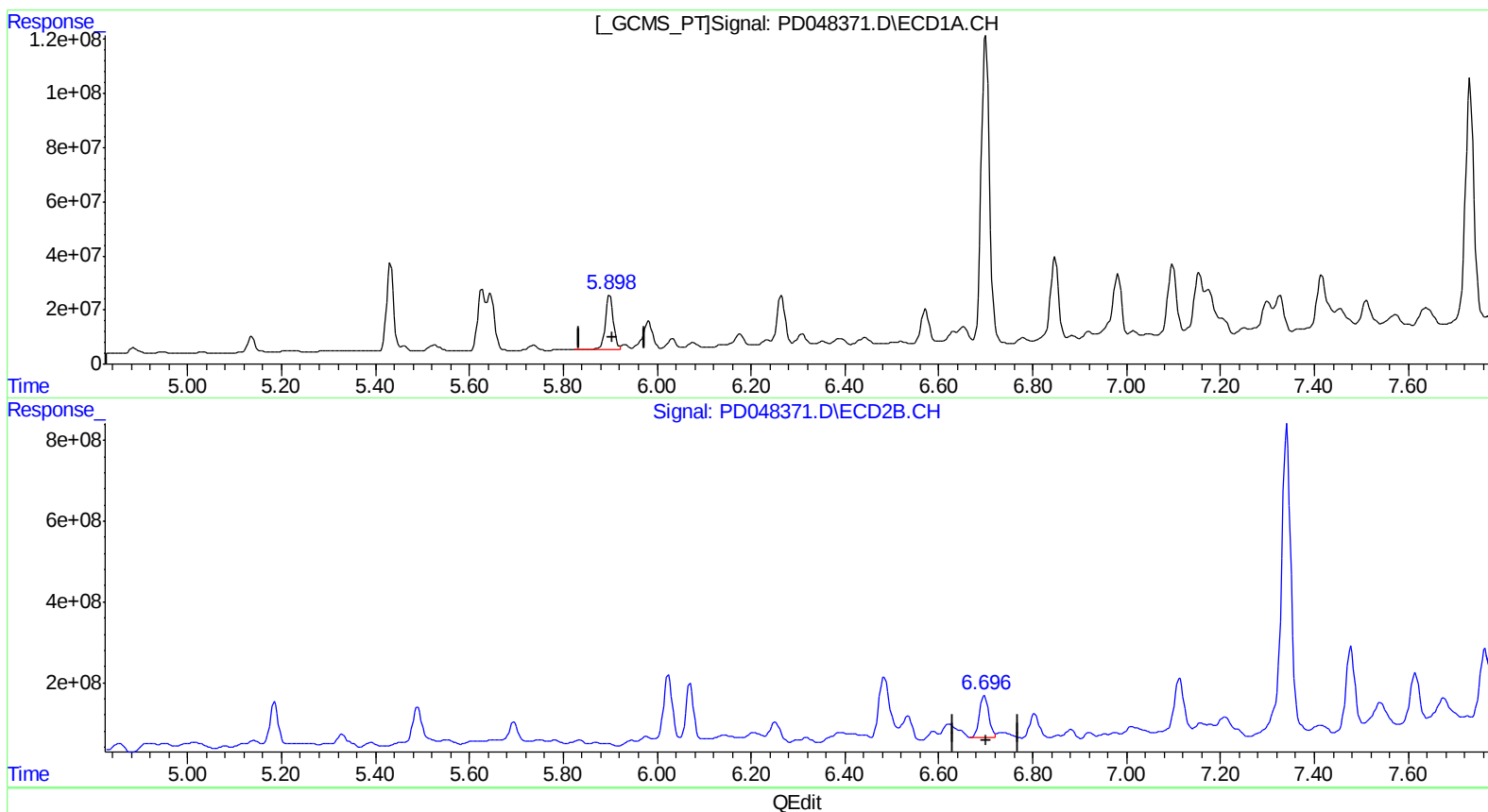
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Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



(14) Endrin (MA)
5.899min 160.024 ng/ml
response 240938991

(14) Endrin #2 (MA)
6.696min 74.084 ng/ml m
response 1463107154

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

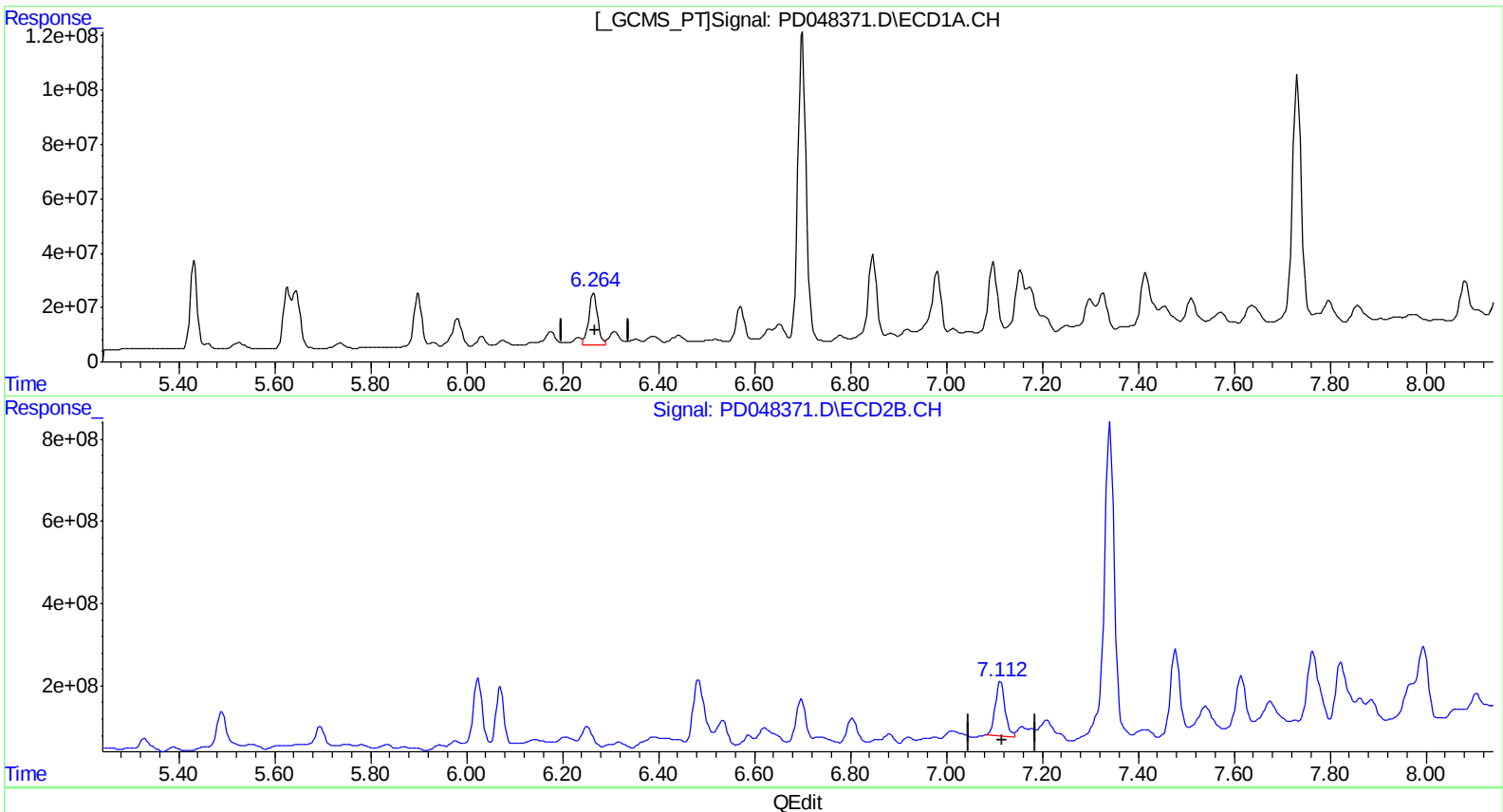
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 13 01:17:09 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 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



(17) 4,4'-DDT (MA)
6.265min 169.198 ng/ml
response 244940726

(17) 4,4'-DDT #2 (MA)
7.113min 100.069 ng/ml
response 1918595338

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

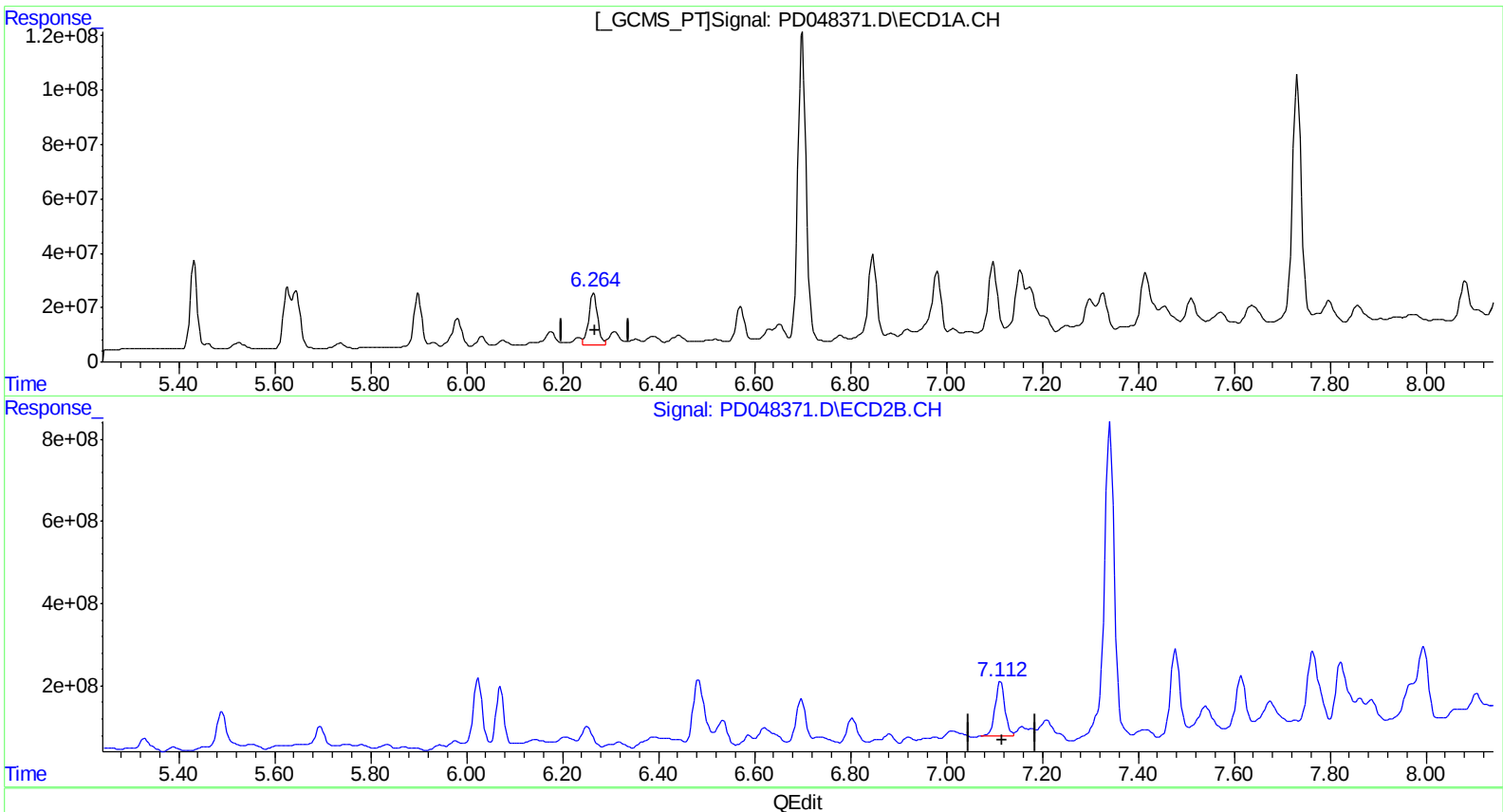
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 13 01:17:09 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 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



(17) 4,4'-DDT (MA)
6.265min 169.198 ng/ml
response 244940726

(17) 4,4'-DDT #2 (MA)
7.112min 97.983 ng/ml m
response 1878610335

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

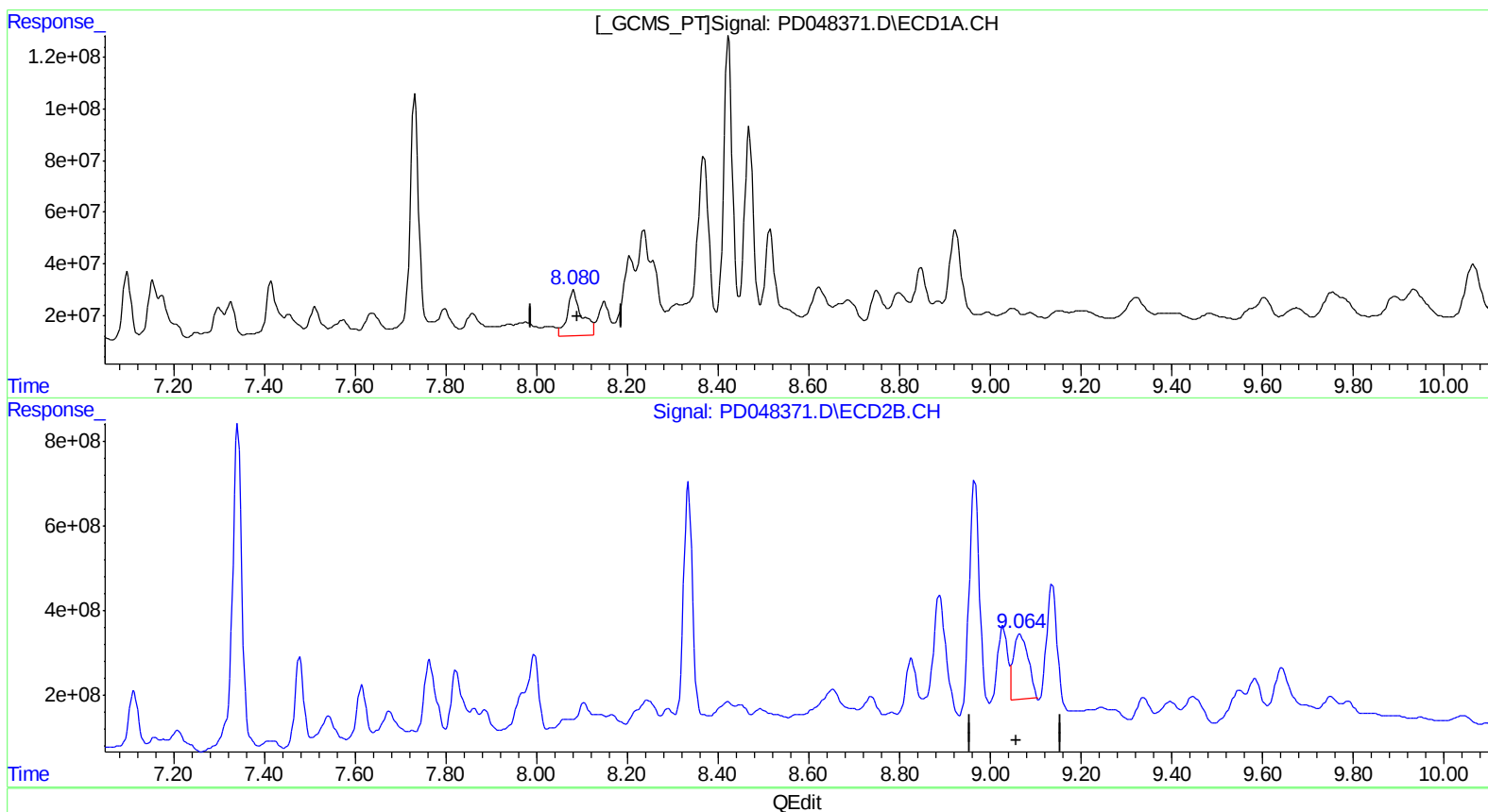
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 13 01:17:09 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 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



(27) Decachlorobiphenyl (SA)

8.082min 294.074 ng/ml

response 393123888

(27) Decachlorobiphenyl #2 (SA)

9.066min 193.907 ng/ml

response 3436058168

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:19:48 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071218\
Data File : PD048371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jul 2018 15:18
Operator : AJ\MA
Sample : J3765-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

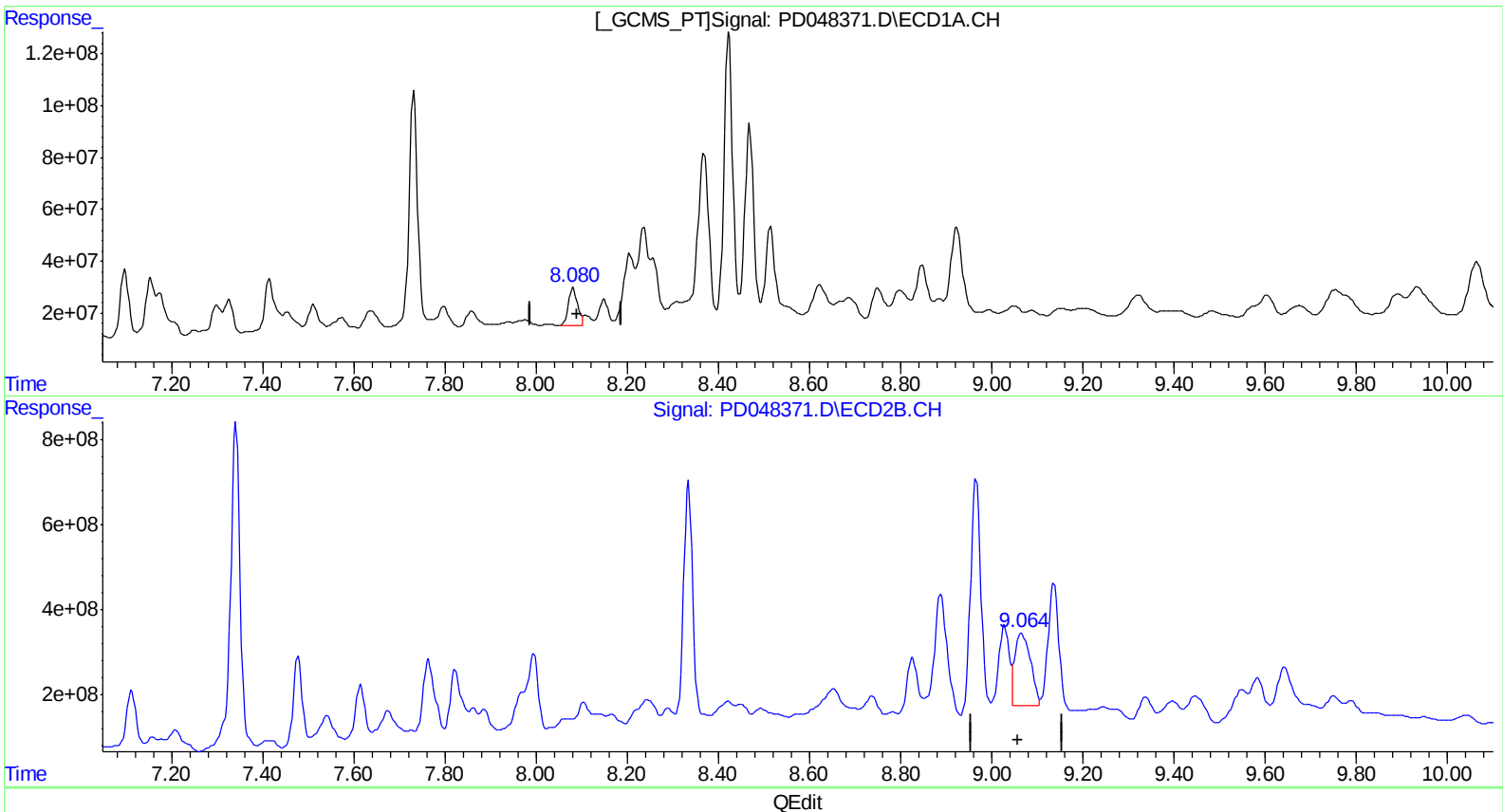
Instrument :
ECD_D
ClientSampleId :
F1H02MSD

Manual Integrations
APPROVED

Sohil
7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 13 01:17:09 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 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



(27) Decachlorobiphenyl (SA)

8.080min 156.877 ng/ml m

response 209716568

(27) Decachlorobiphenyl #2 (SA)

9.064min 223.318 ng/ml m

response 3957220994

(+) = Expected Retention Time

PD062818CLP.M Fri Jul 13 02:20:10 2018

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071218\
 Data File : PD048371.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 Jul 2018 15:18
 Operator : AJ\MA
 Sample : J3765-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 Client Sample ID :
 F1H02MSD

Manual Integrations
 APPROVED

Sohil
 7/13/2018 7:07:29 PM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 13 09:48:24 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 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	4.004	34936511	416.8E6	28.912m)	20.472m#)
27) SA Decachlor...	8.080	9.064	209.7E6	3957.2E6	156.877m)	223.318m#)
Target Compounds						
3) MA gamma-BHC...	4.103	4.669	131.6E6	1299.7E6	70.202m)	44.803m#)
4) MA Heptachlor	4.390	5.184	112.3E6	1208.3E6	63.450m)	41.766m#)
5) MB Aldrin	4.632	5.488	107.0E6	1183.8E6	62.154m)	42.527m#)
12) B 4,4'-DDE	5.526	6.318	42340152	199.8E6	25.380	8.359m#)
13) MA Dieldrin	5.645	6.482	248.3E6	2512.1E6	143.581	104.100m#)
14) MA Endrin	5.899	6.696	240.9E6	1463.1E6	160.024	74.084m#)
16) A 4,4'-DDD	6.032	6.804	45563413	825.4E6	32.921	43.979 #
17) MA 4,4'-DDT	6.265	7.112	244.9E6	1878.6E6	169.198	97.983m#)

AJ 07/17/18

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