

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

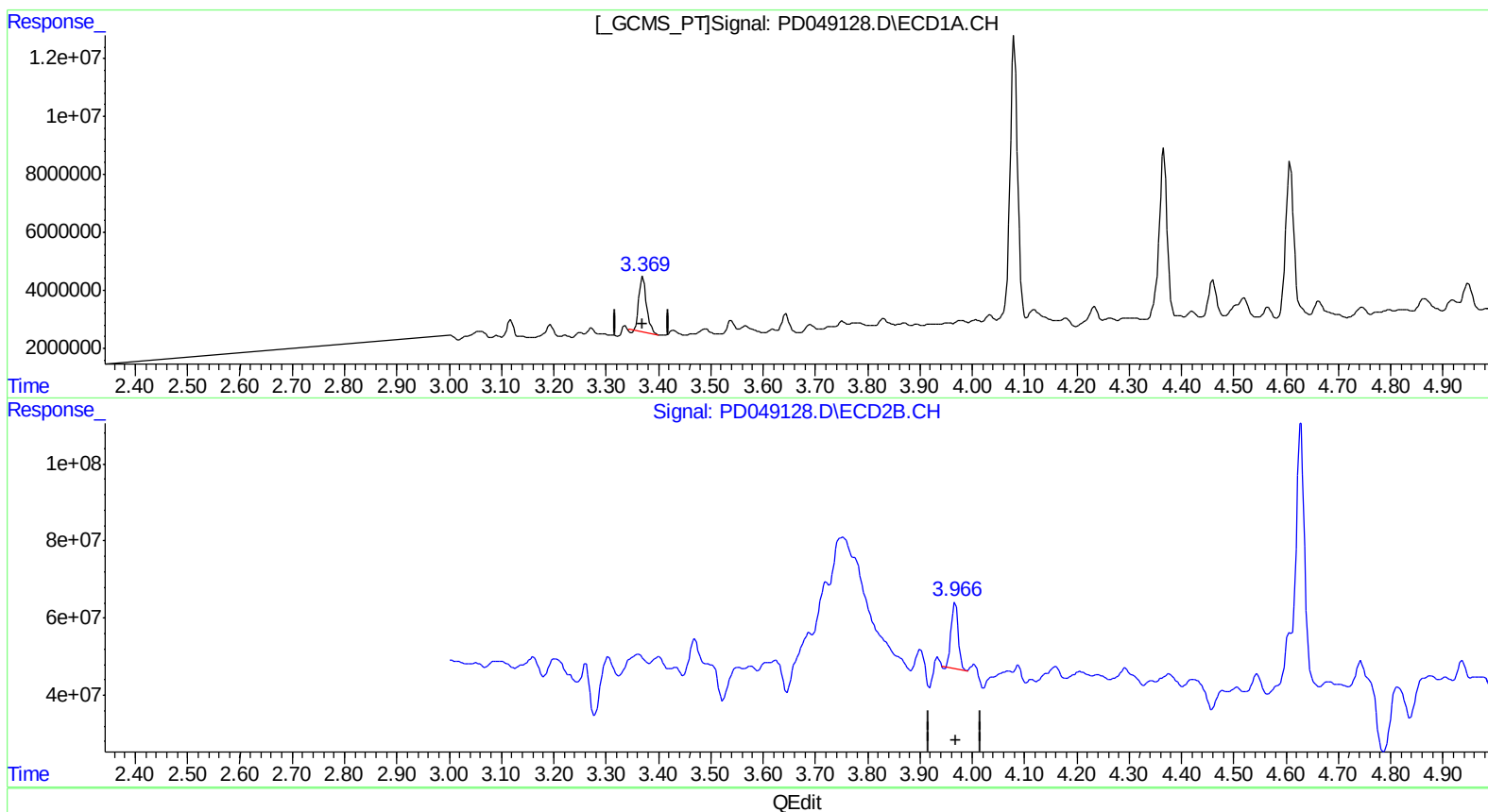
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 07 08:42:06 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081618CLP.M  
Quant Title : GC Extractables  
QLast Update : Thu Aug 16 13:32:25 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



(1) Tetrachloro-m-xylene (SA)

3.370min 14.984 ng/ml

response 18289184

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

3.967min 9.134 ng/ml

response 160589933

(+) = Expected Retention Time

PD081618CLP.M Fri Sep 07 08:45:23 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

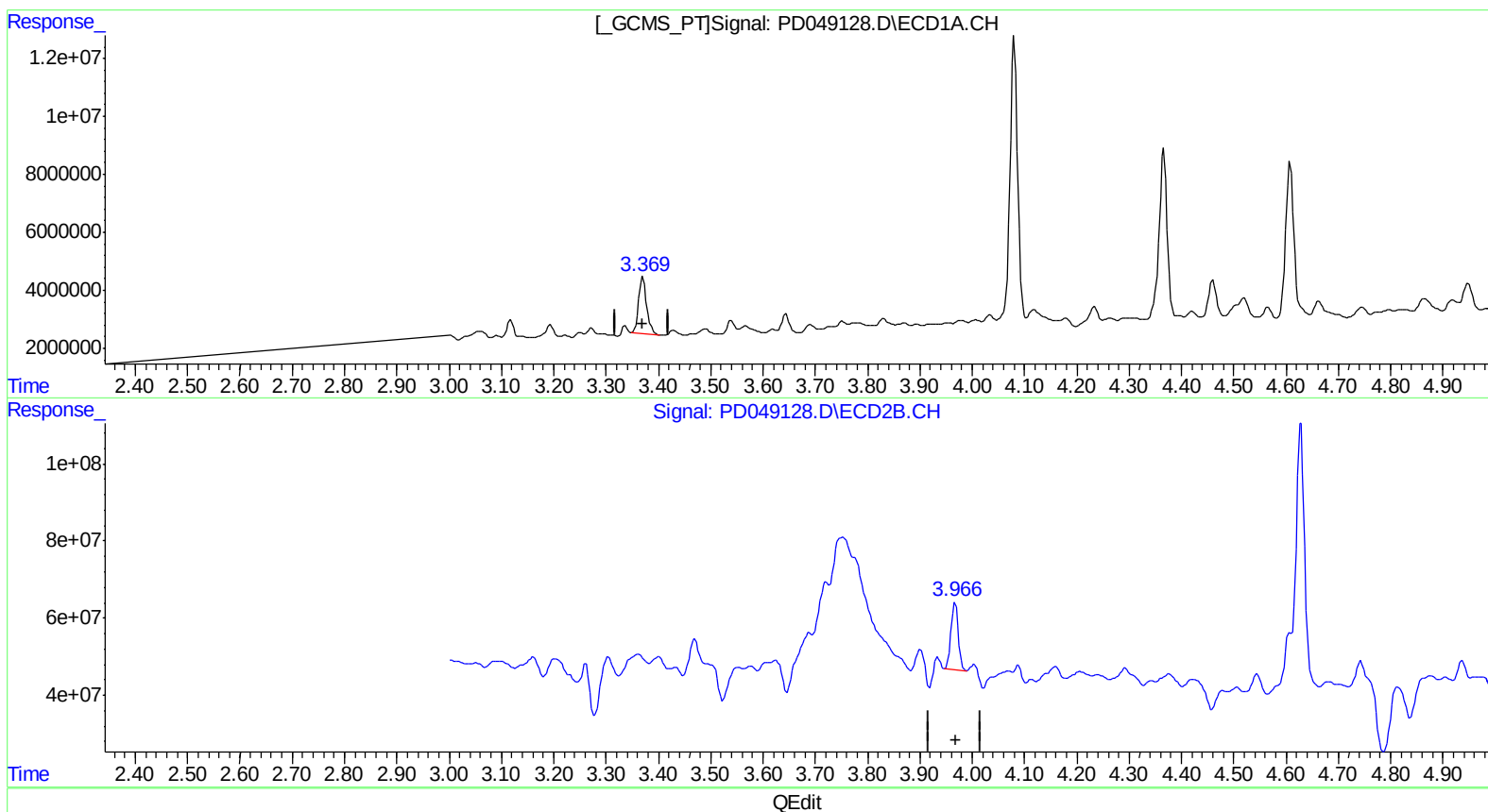
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
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Quant Time: Sep 07 08:42:06 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)

3.369min 16.958 ng/ml m

response 20697812

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

3.966min 9.722 ng/ml m

response 170945145

(+) = Expected Retention Time

PD081618CLP.M Fri Sep 07 08:45:37 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
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Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

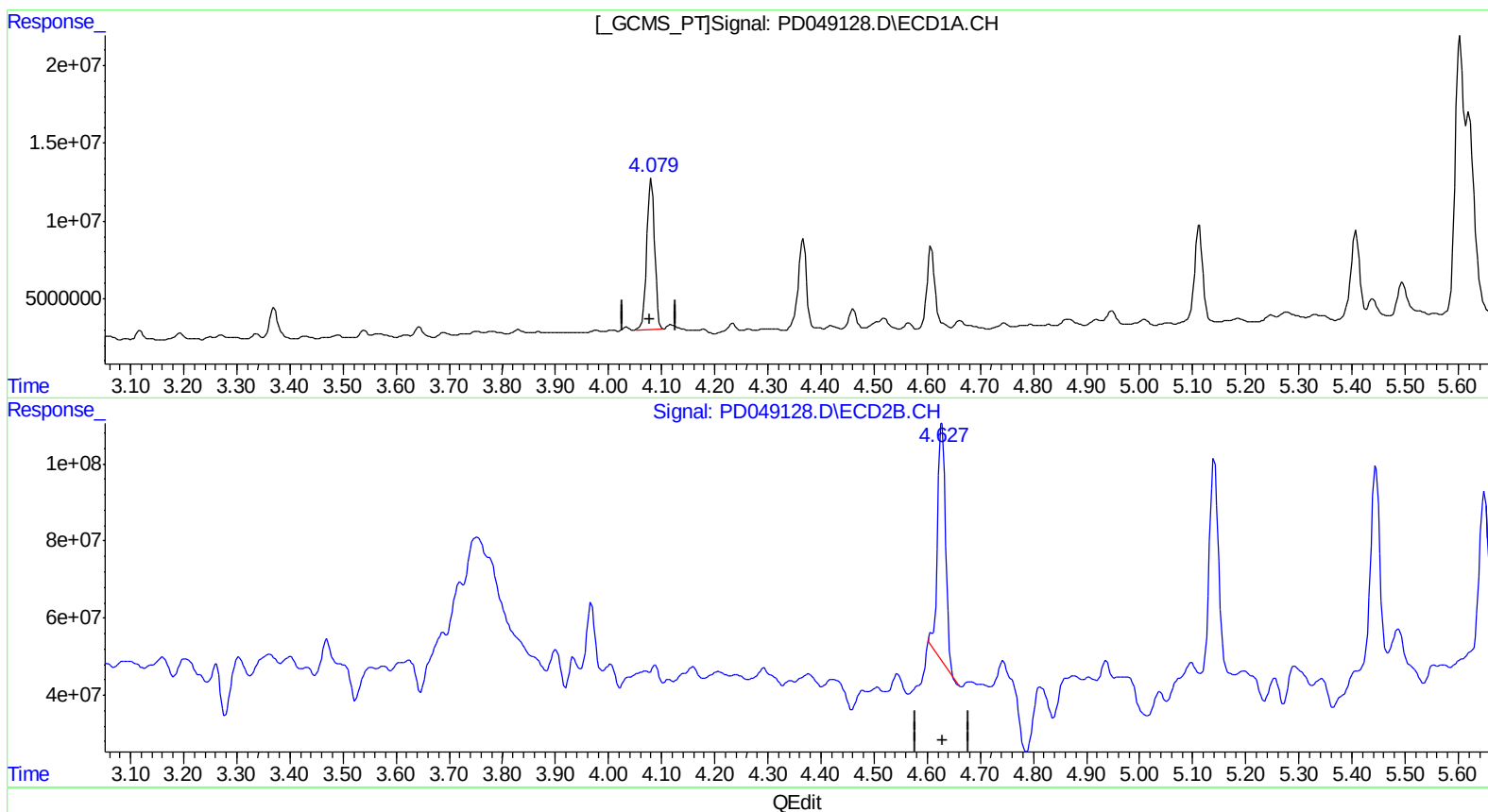
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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Quant Title : GC Extractables  
QLast Update : Thu Aug 16 13:32:25 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



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

4.080min 52.789 ng/ml

response 98117030

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

4.628min 24.812 ng/ml

response 636236161

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
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Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

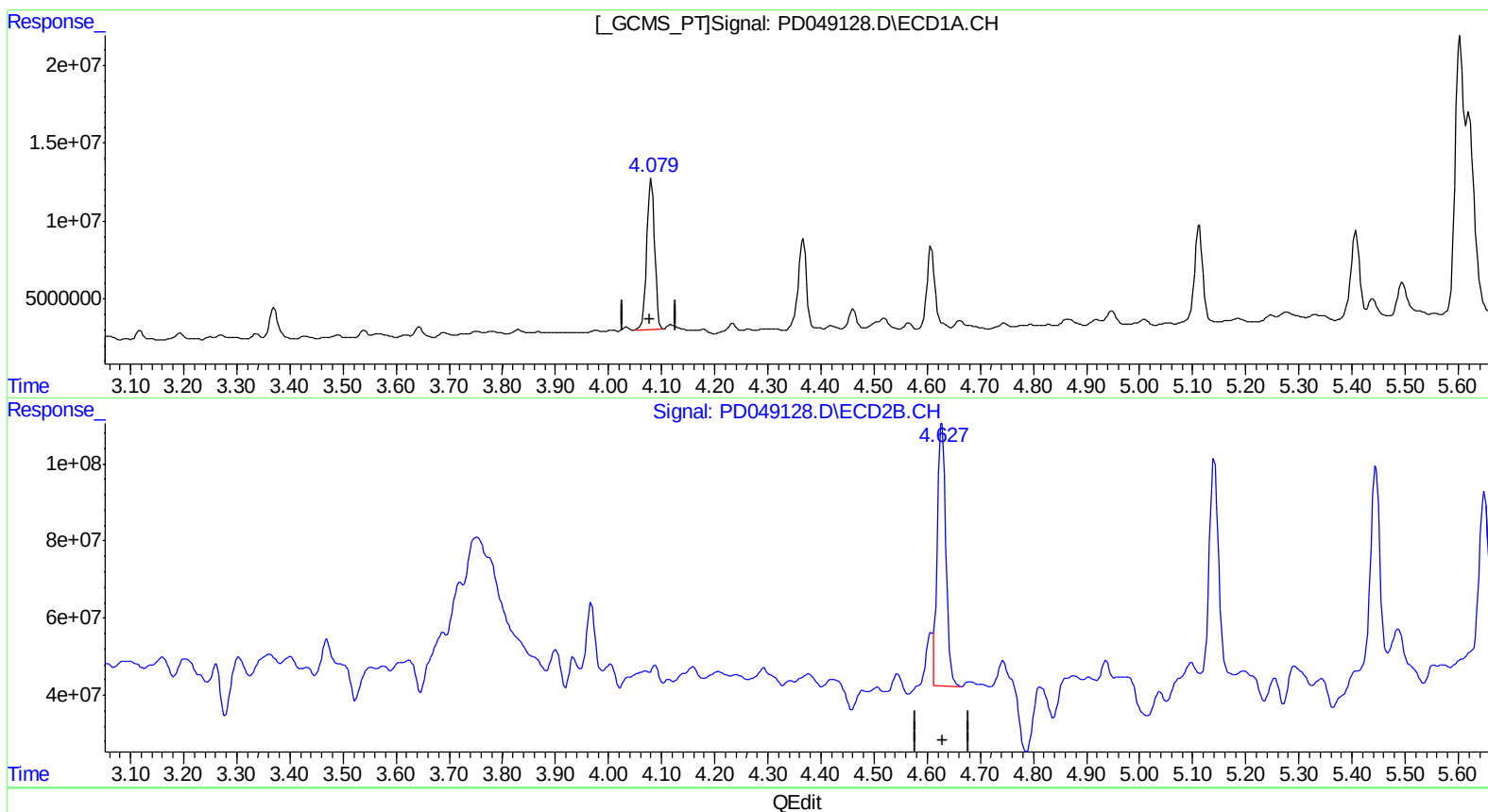
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

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



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

4.080min 52.789 ng/ml

response 98117030

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

4.627min 30.128 ng/ml m

response 772547281

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

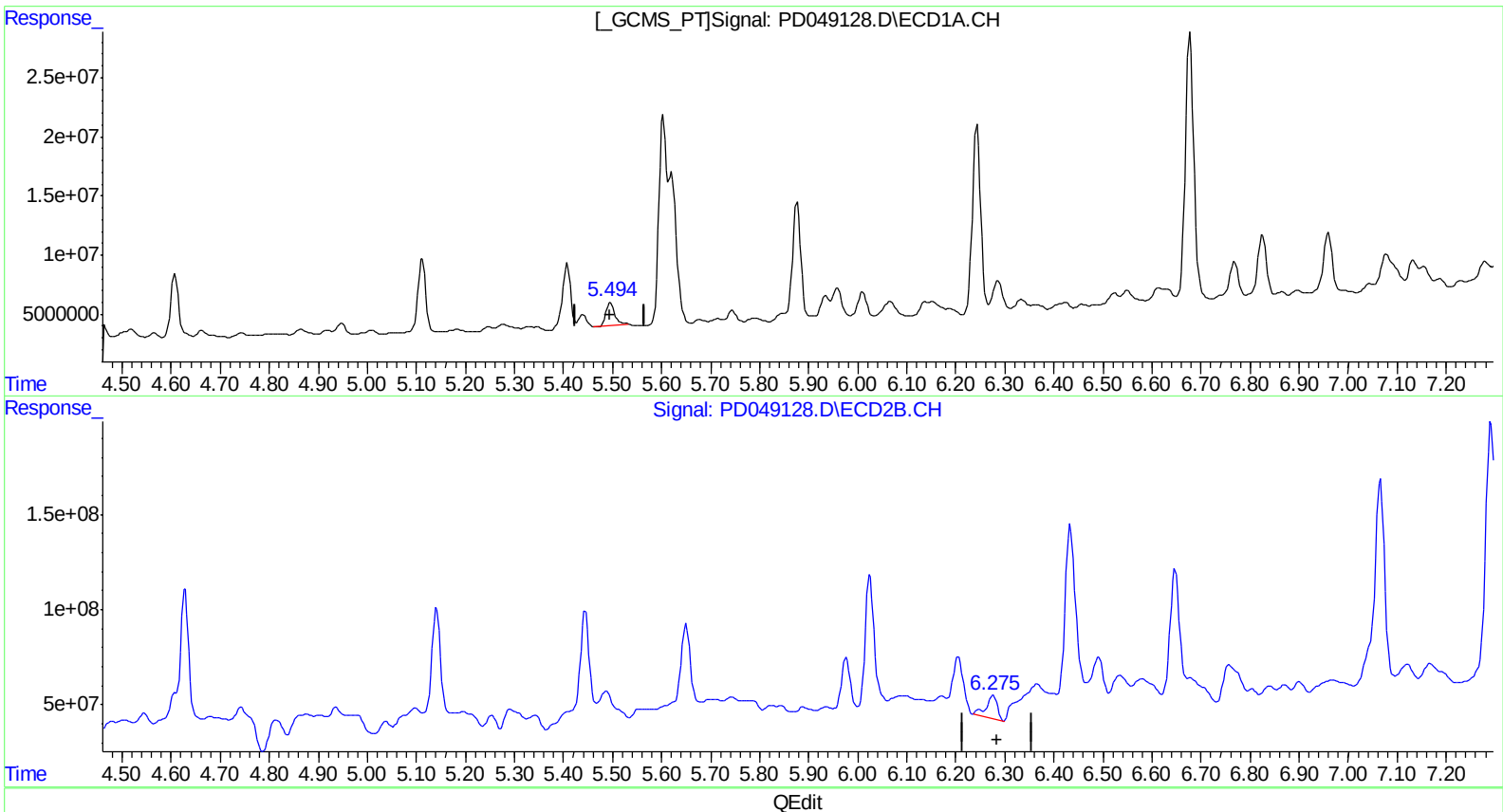
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
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Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
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QLast Update : Thu Aug 16 13:32:25 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



(12) 4,4'-DDE (B)  
5.495min 13.834 ng/ml  
response 23075750

(12) 4,4'-DDE #2 (B)  
6.276min 9.452 ng/ml  
response 191558265

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
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Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

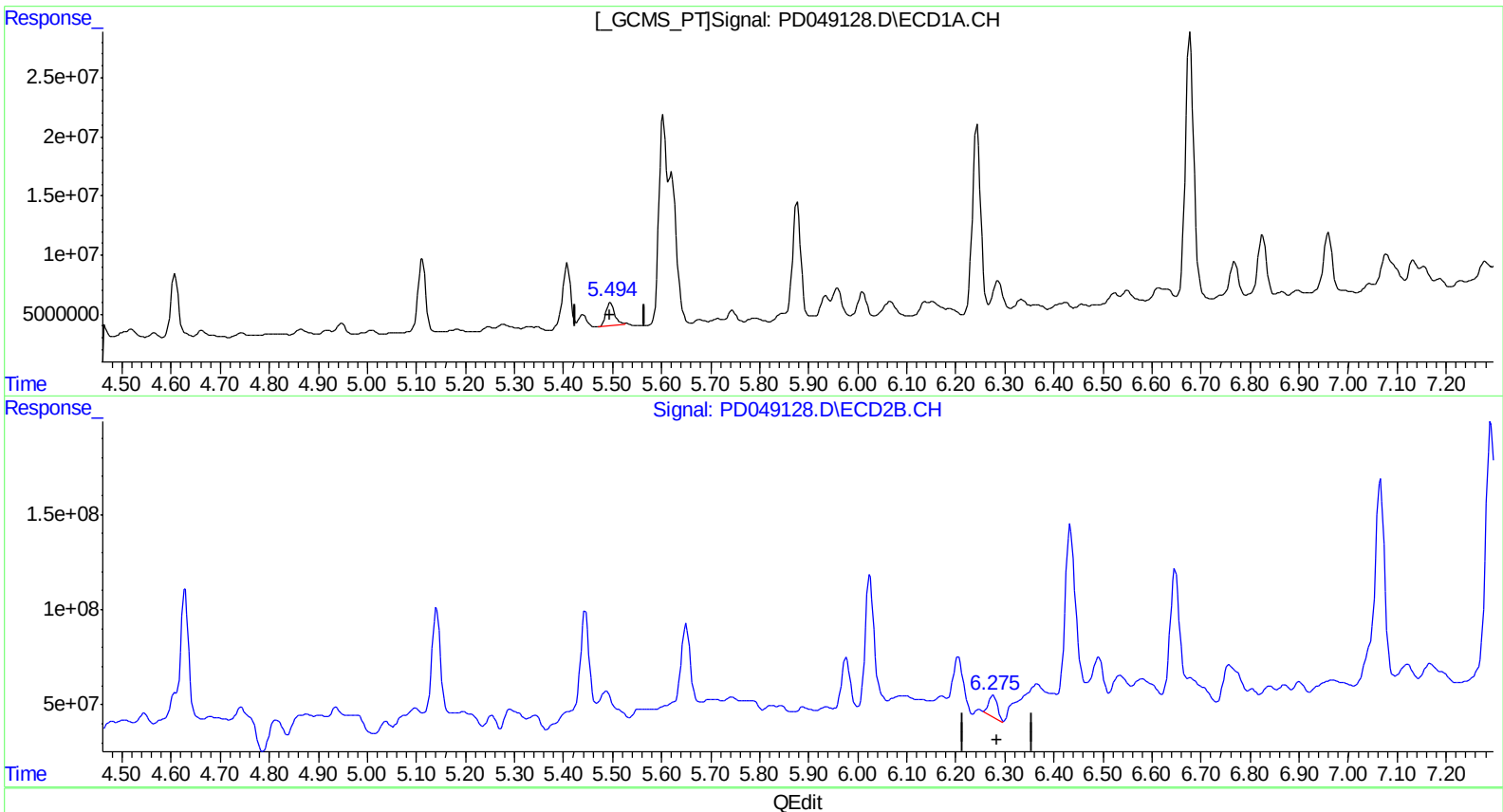
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
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Quant Title : GC Extractables  
QLast Update : Thu Aug 16 13:32:25 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



(12) 4,4'-DDE (B)  
5.494min 14.382 ng/ml m  
response 23989720

(12) 4,4'-DDE #2 (B)  
6.275min 6.801 ng/ml m  
response 137831402

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

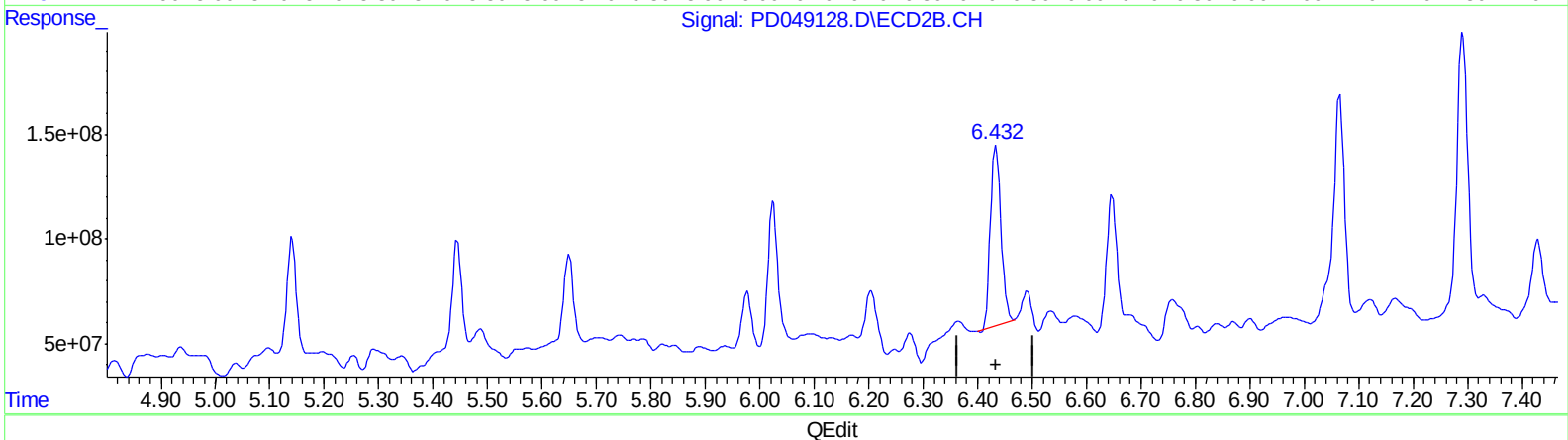
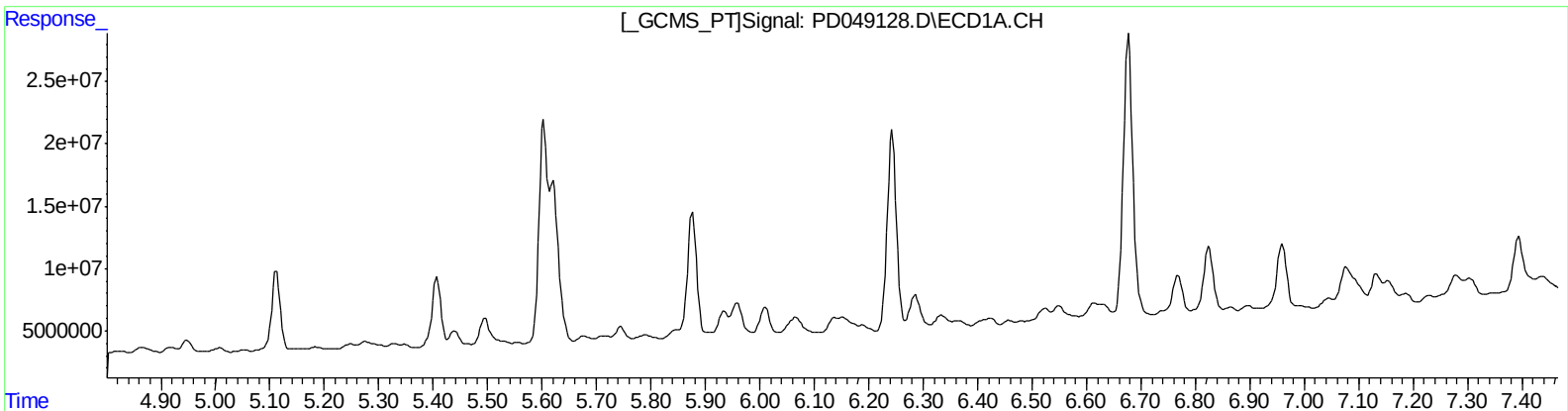
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
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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 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



(13) Dieldrin (MA)  
0.000min 0.000 ng/ml  
response 0

(13) Dieldrin #2 (MA)  
6.434min 52.157 ng/ml  
response 1156551966

(+) = Expected Retention Time

PD081618CLP.M Fri Sep 07 08:46:26 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

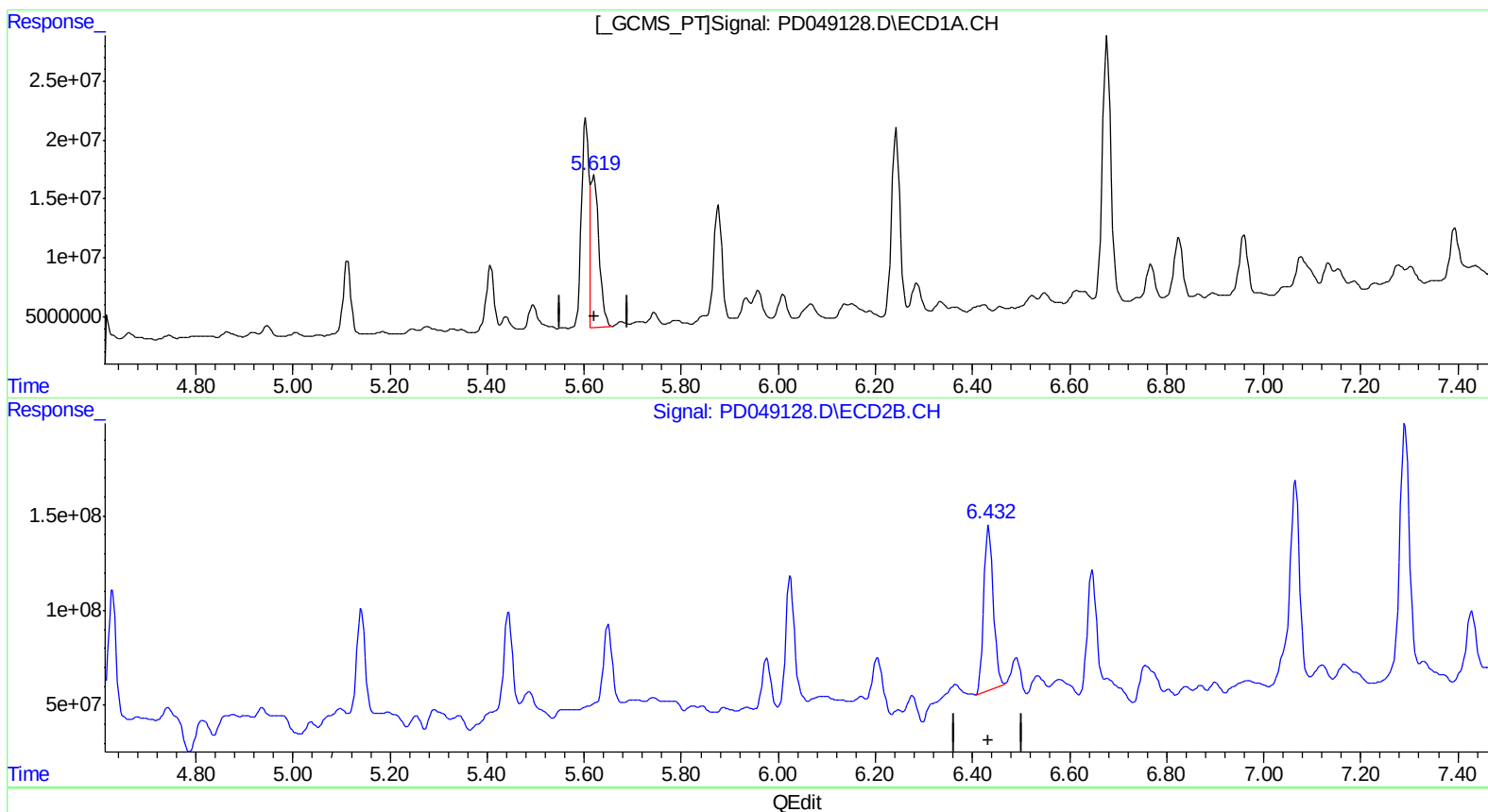
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
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Quant Time: Sep 07 08:42:06 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



(13) Dieldrin (MA)  
5.619min 84.401 ng/ml m  
response 147985566

(13) Dieldrin #2 (MA)  
6.432min 53.319 ng/ml m  
response 1182310261



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

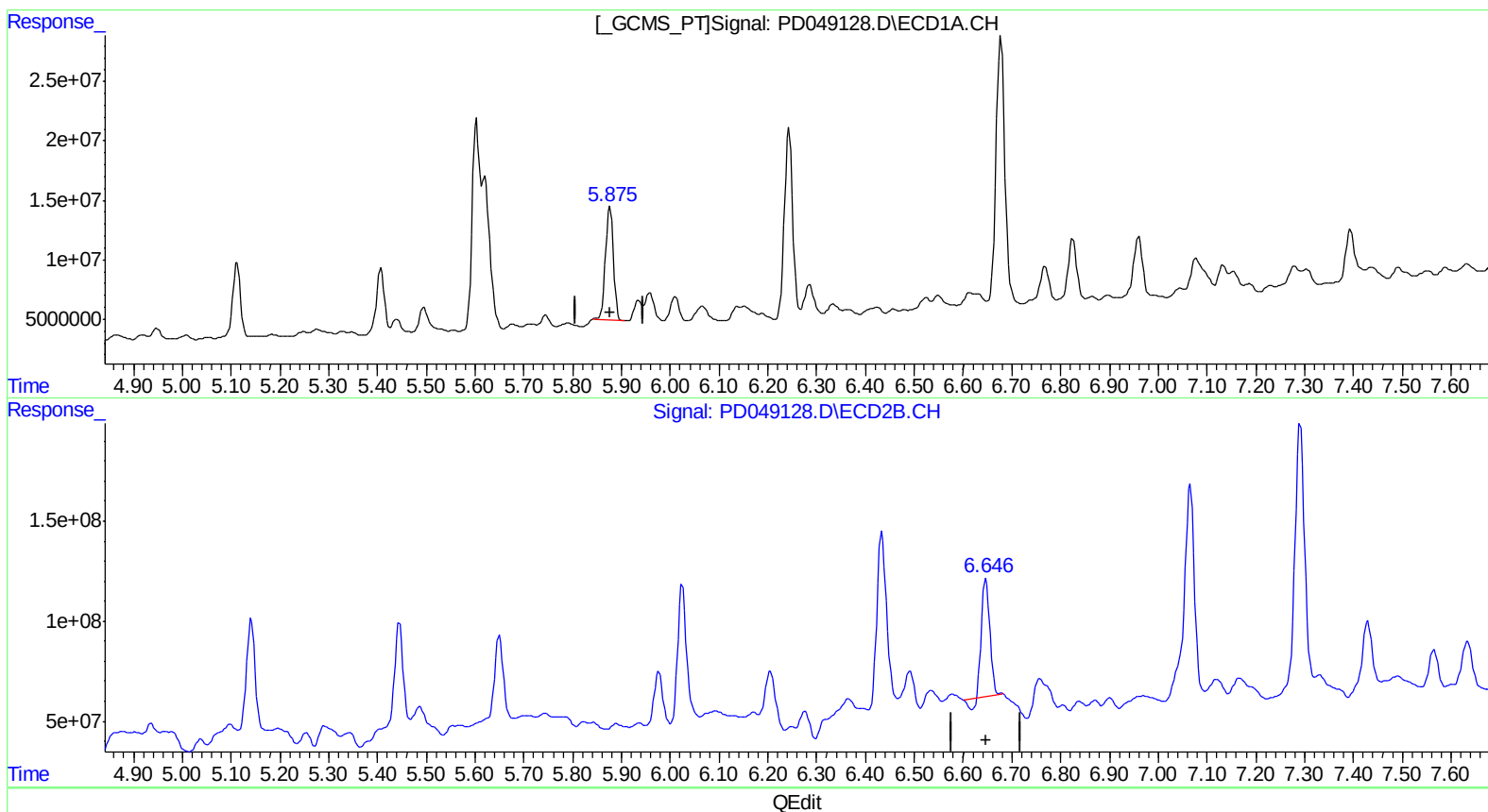
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 07 08:42:06 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081618CLP.M  
Quant Title : GC Extractables  
QLast Update : Thu Aug 16 13:32:25 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



(14) Endrin (MA)  
5.877min 69.597 ng/ml  
response 109336662

(14) Endrin #2 (MA)  
6.647min 36.480 ng/ml  
response 649627548

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

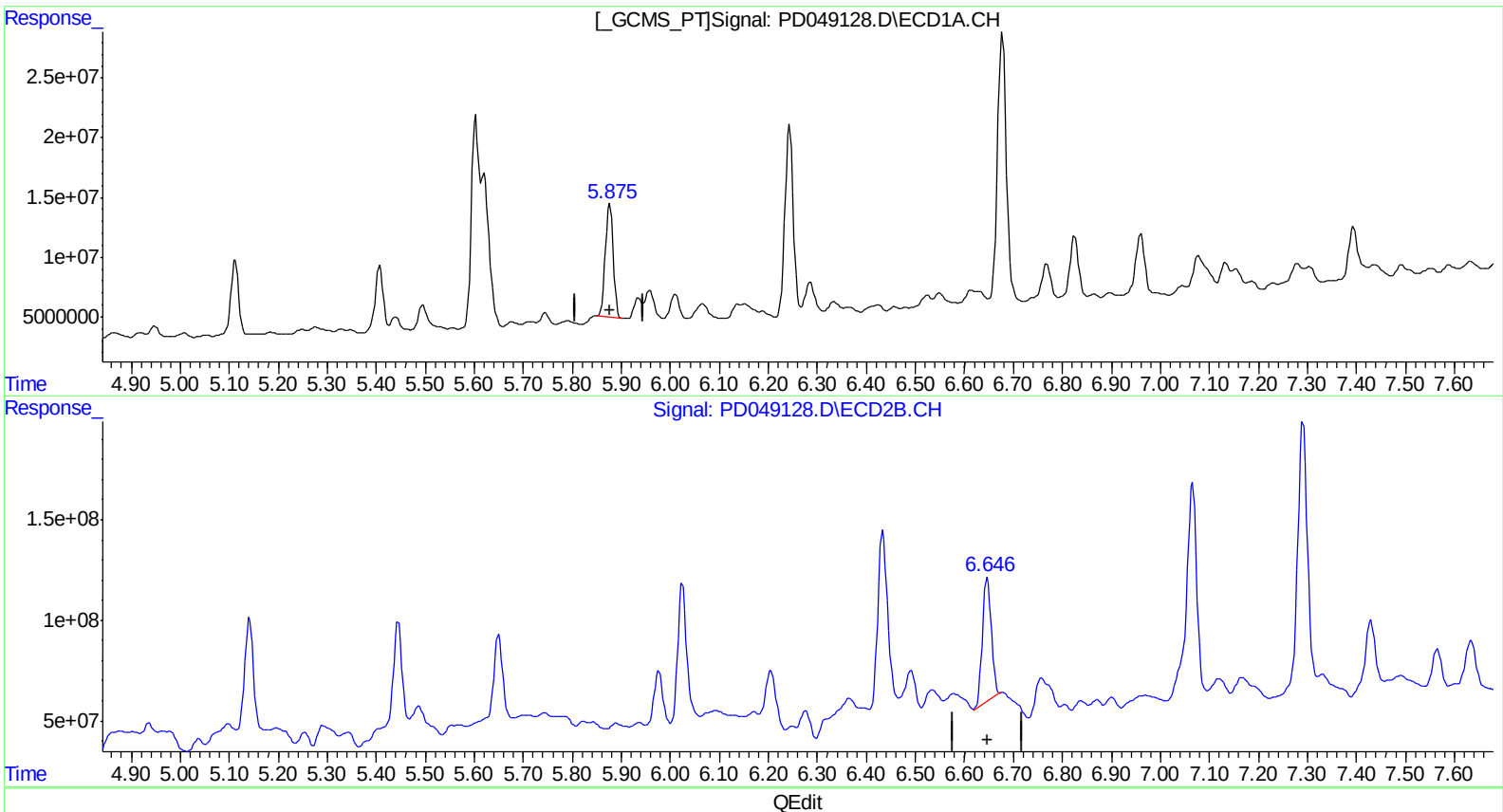
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

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



(14) Endrin (MA)  
5.875min 68.769 ng/ml m  
response 108035848

(14) Endrin #2 (MA)  
6.646min 43.404 ng/ml m  
response 772932281

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

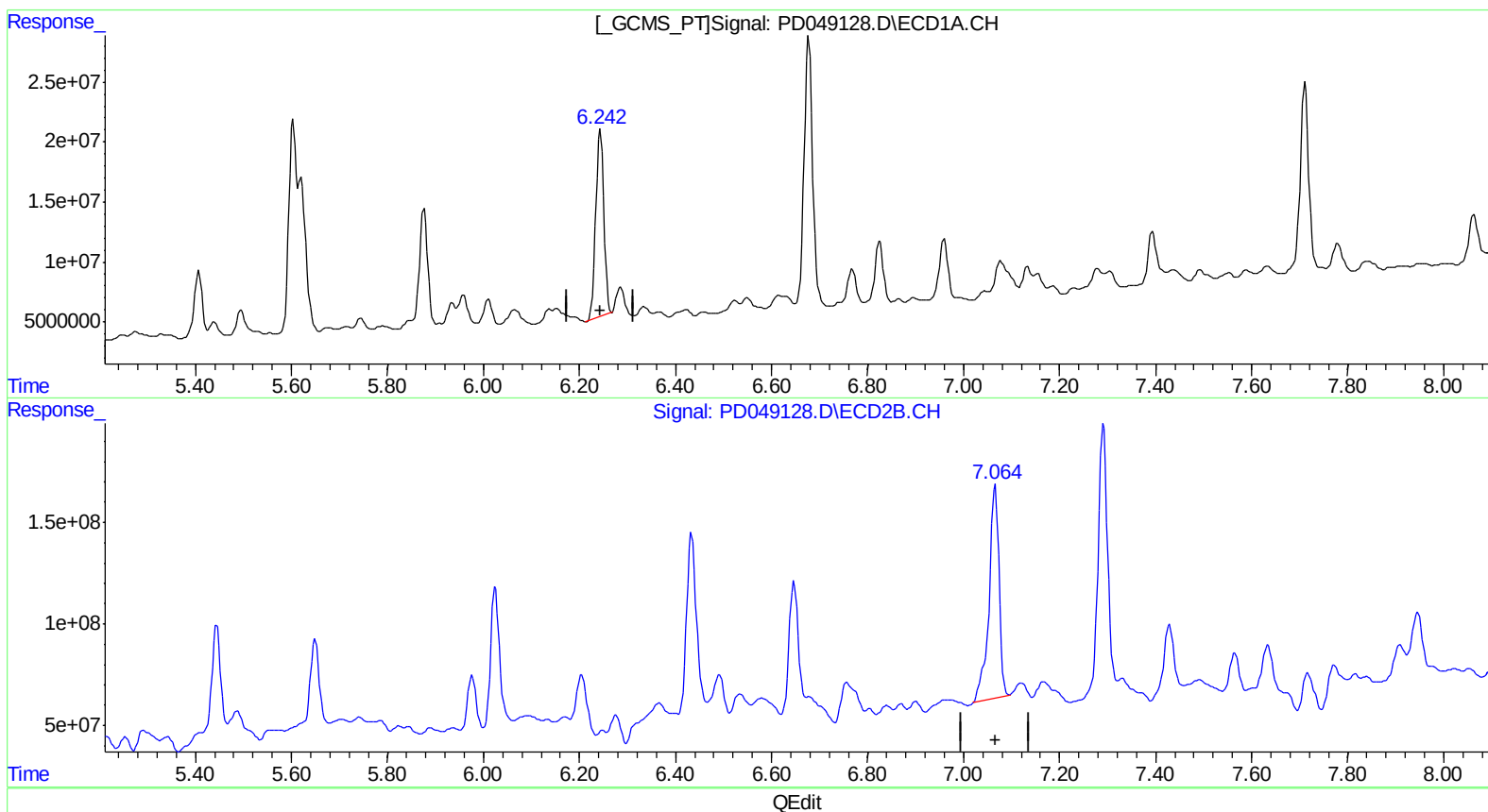
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
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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



(17) 4,4'-DDT (MA)  
6.243min 122.069 ng/ml  
response 180223006

(17) 4,4'-DDT #2 (MA)  
7.066min 94.797 ng/ml  
response 1528533284

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
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Acq On : 05 Sep 2018 22:52  
Operator : AJ\SJ  
Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

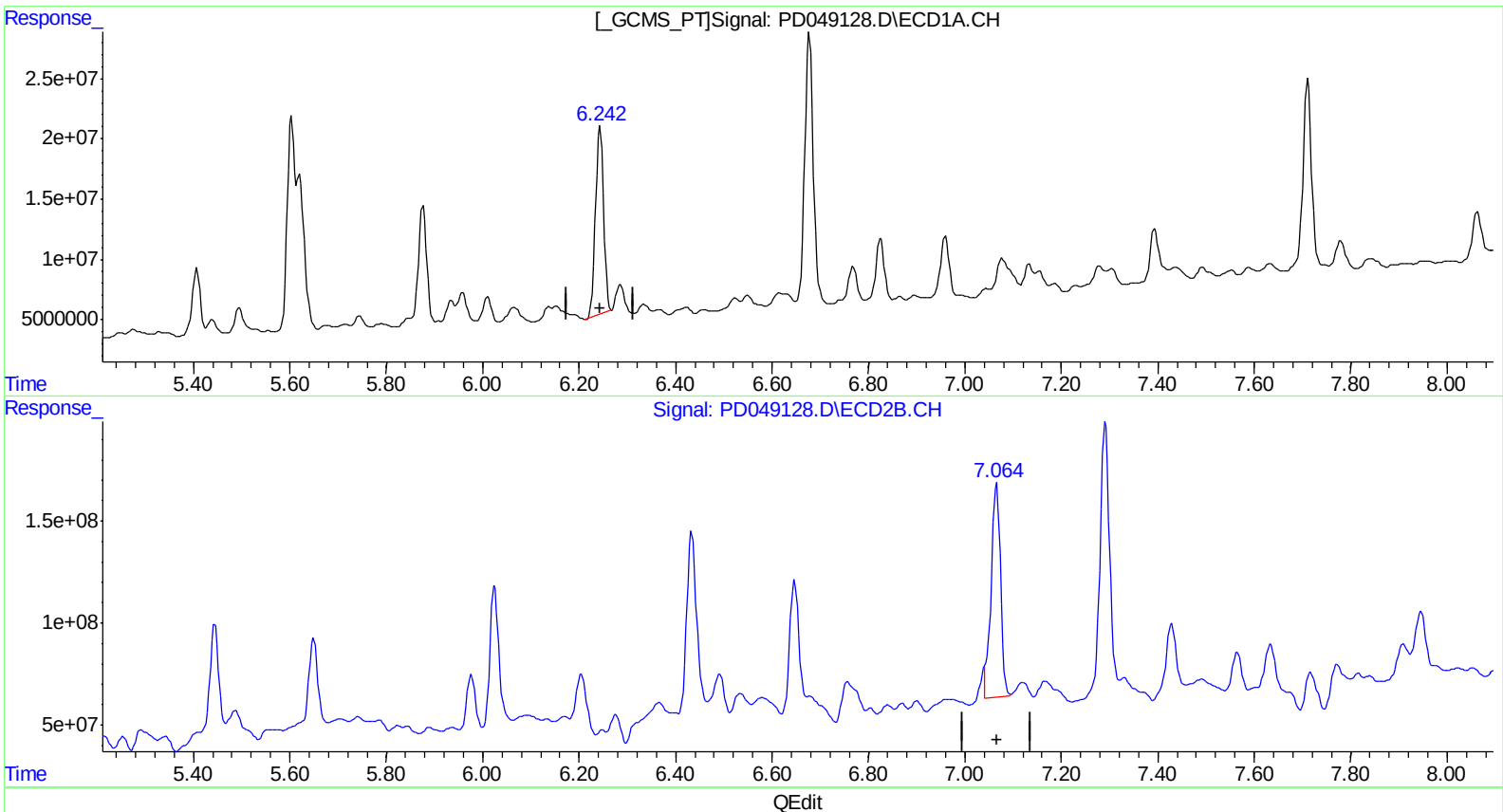
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

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9/7/2018 9:33:04 AM

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Quant Title : GC Extractables  
QLast Update : Thu Aug 16 13:32:25 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



(17) 4,4'-DDT (MA)  
6.243min 122.069 ng/ml  
response 180223006

(17) 4,4'-DDT #2 (MA)  
7.064min 89.253 ng/ml m  
response 1439139429

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
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Sample : J4688-20MSD  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

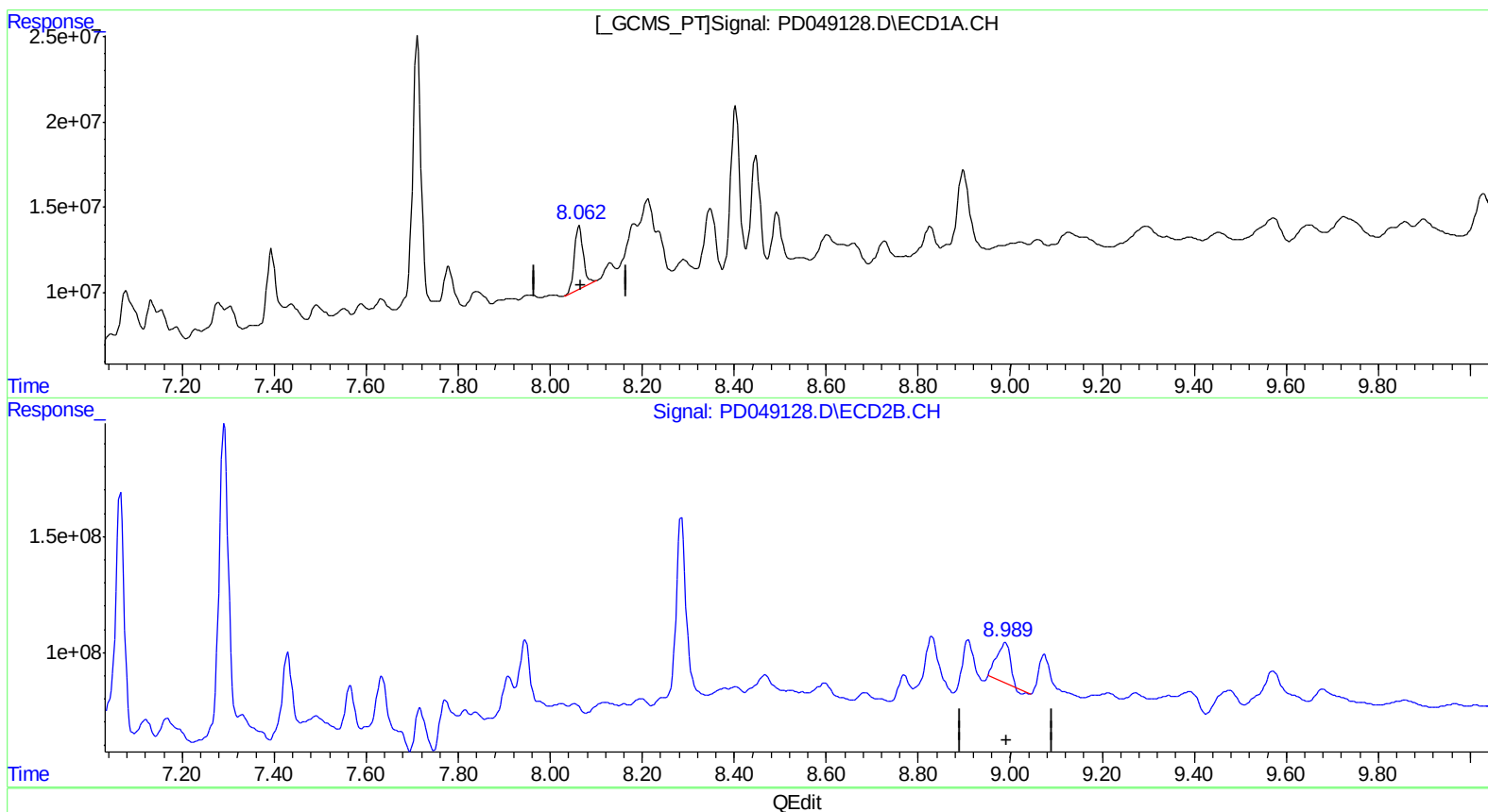
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ECD\_D  
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Manual Integrations  
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Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(27) Decachlorobiphenyl (SA)

8.063min 36.182 ng/ml

response 52098008

(27) Decachlorobiphenyl #2 (SA)

8.989min 21.188 ng/ml

response 343003195

(+) = Expected Retention Time

PD081618CLP.M Fri Sep 07 08:47:57 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
Data File : PD049128.D  
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Misc :  
ALS Vial : 38 Sample Multiplier: 1

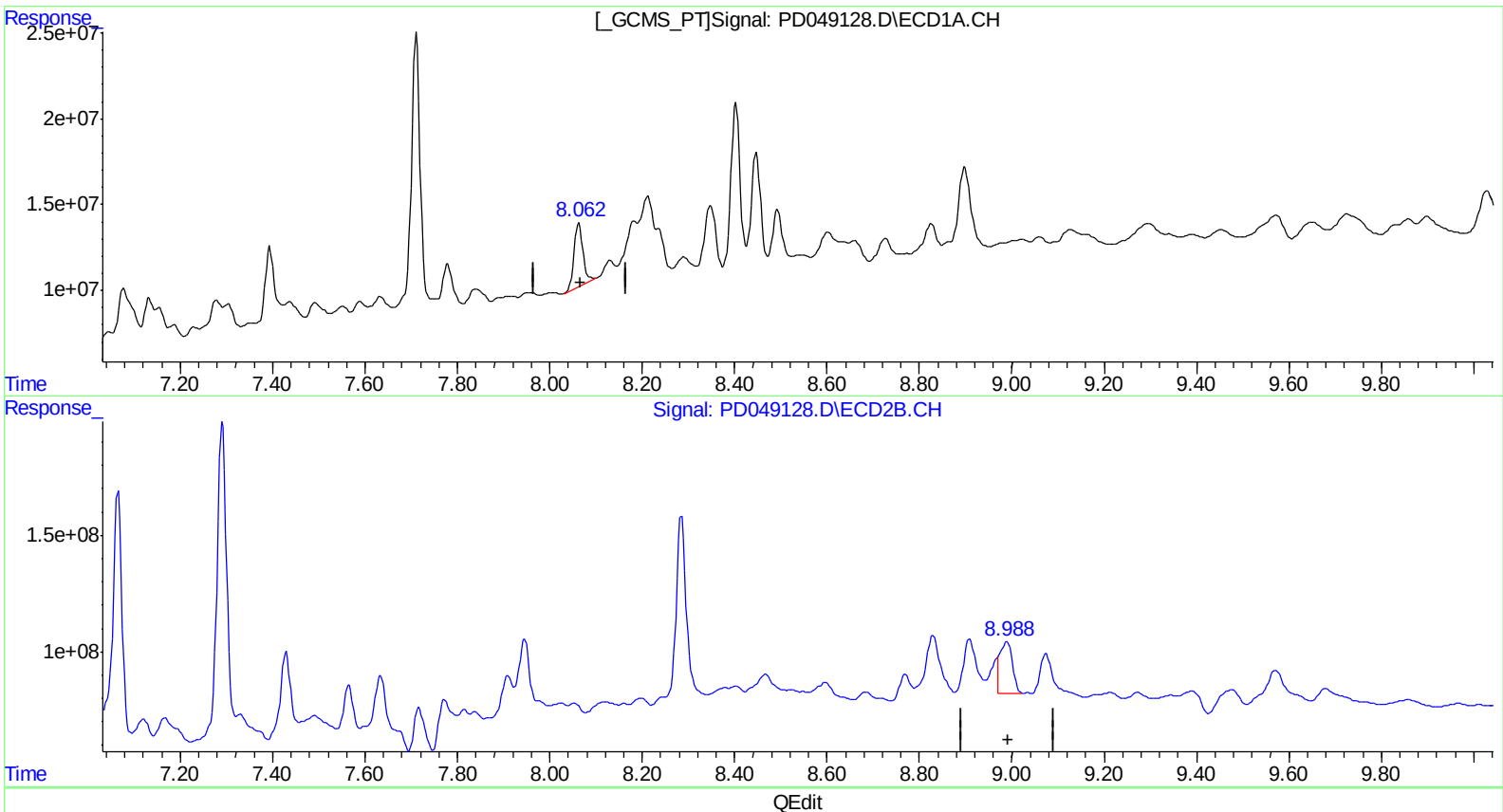
Instrument :  
ECD\_D  
ClientSampleId :  
A3Z22MSD

Manual Integrations  
APPROVED

Sohil  
9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
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Quant Title : GC Extractables  
QLast Update : Thu Aug 16 13:32:25 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



(27) Decachlorobiphenyl (SA)

8.063min 36.182 ng/ml

response 52098008

(27) Decachlorobiphenyl #2 (SA)

8.988min 25.337 ng/ml m

response 410160604

(+) = Expected Retention Time

PD081618CLP.M Fri Sep 07 08:51:18 2018

Page: 1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090518\  
 Data File : PD049128.D  
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 Operator : AJ\SJ  
 Sample : J4688-20MSD  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

**Instrument :**  
 ECD\_D  
**ClientSampleId :**  
 A3Z22MSD

**Manual Integrations**  
**APPROVED**

Sohil  
 9/7/2018 9:33:04 AM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 07 08:51:05 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081618CLP.M  
 Quant Title : GC Extractables  
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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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.369 | 3.966 | 20697812 | 170.9E6  | 16.958m | 9.722m#  |
| 27) SA Decachlor...         | 8.063 | 8.988 | 52098008 | 410.2E6  | 36.182  | 25.337m# |
| Target Compounds            |       |       |          |          |         |          |
| 3) MA gamma-BHC...          | 4.080 | 4.627 | 98117030 | 772.5E6  | 52.789  | 30.128m# |
| 4) MA Heptachlor            | 4.366 | 5.141 | 63788486 | 652.8E6  | 35.558  | 26.444 # |
| 5) MB Aldrin                | 4.608 | 5.445 | 59663985 | 584.1E6  | 35.367  | 23.508 # |
| 12) B 4,4'-DDE              | 5.494 | 6.275 | 23989720 | 137.8E6  | 14.382m | 6.801m#  |
| 13) MA Dieldrin             | 5.619 | 6.432 | 148.0E6  | 1182.3E6 | 84.401m | 53.319m# |
| 14) MA Endrin               | 5.875 | 6.646 | 108.0E6  | 772.9E6  | 68.769m | 43.404m# |
| 17) MA 4,4'-DDT             | 6.243 | 7.064 | 180.2E6  | 1439.1E6 | 122.069 | 89.253m# |
| -----                       |       |       |          |          |         |          |

SJ 09/08/18

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