

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

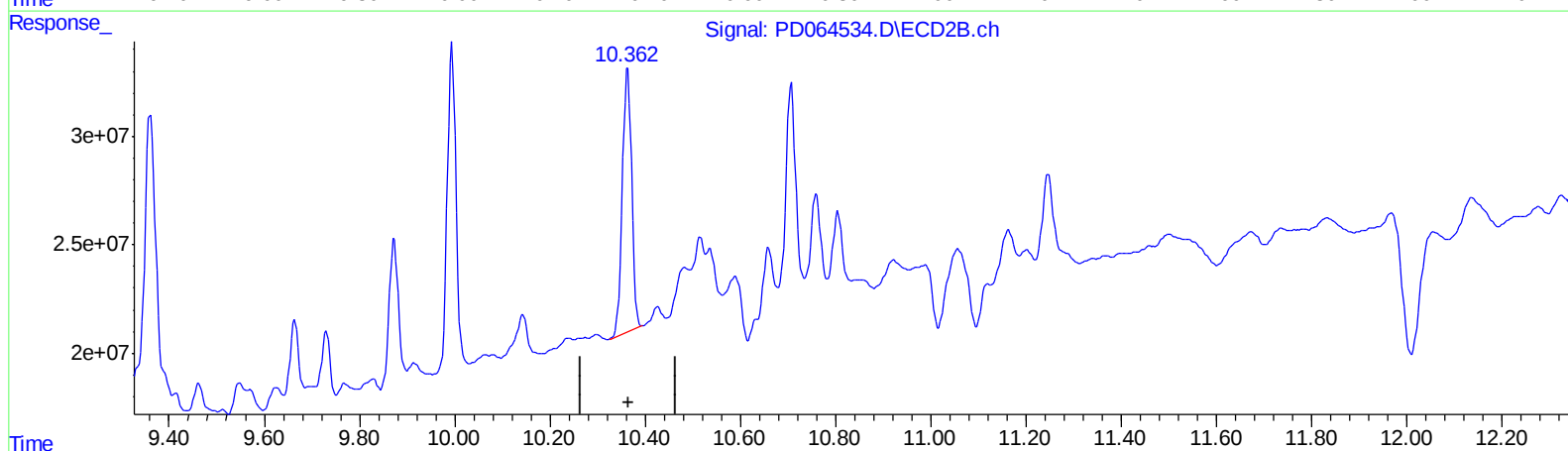
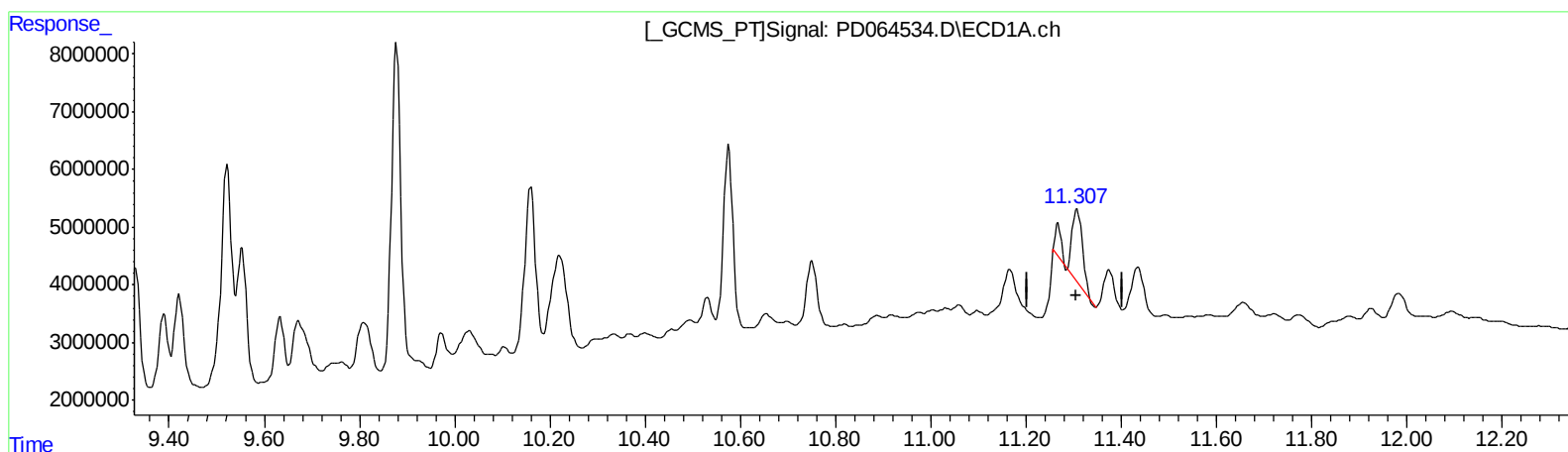
Instrument :
ECD_D
ClientSampled :
C0013

Manual Integrations
APPROVED

mohammad
7/30/2021 4:49:52 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 07:00:37 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072721CLP.M
Quant Title : GC Extractables
QLast Update : Wed Jul 28 07:07:14 2021
Response via : Initial Calibration
Integrator: ChemStation

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



QEdit

(27) Decachlorobiphenyl (SA)

11.307min 16.925 ng/ml

response 22280067

(27) Decachlorobiphenyl #2 (SA)

10.363min 27.800 ng/ml

response 165321858

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

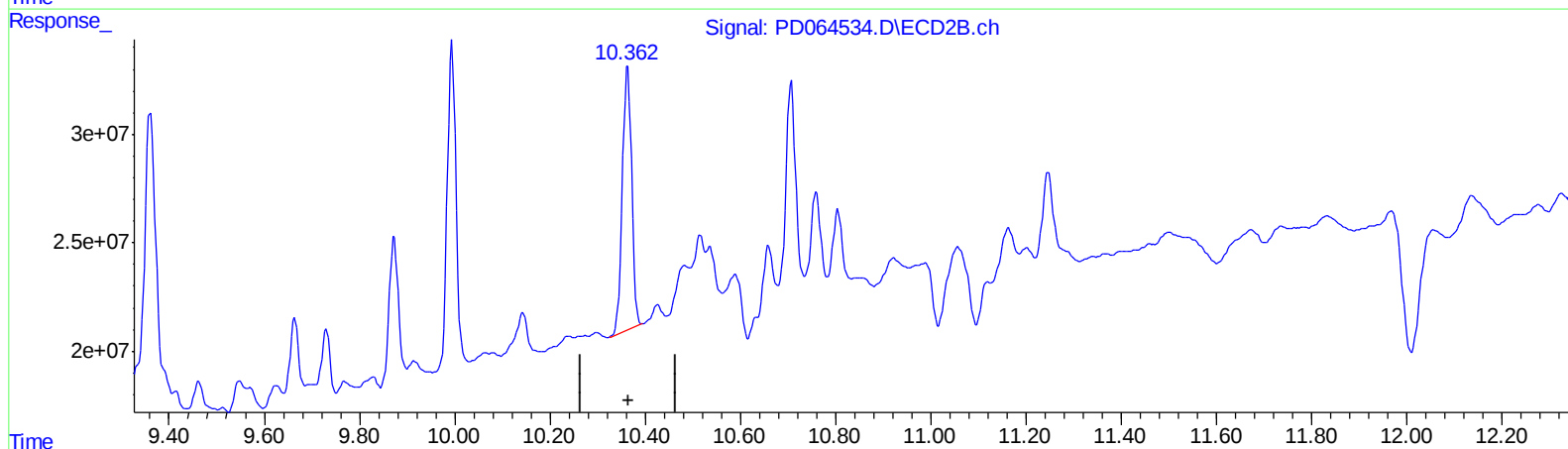
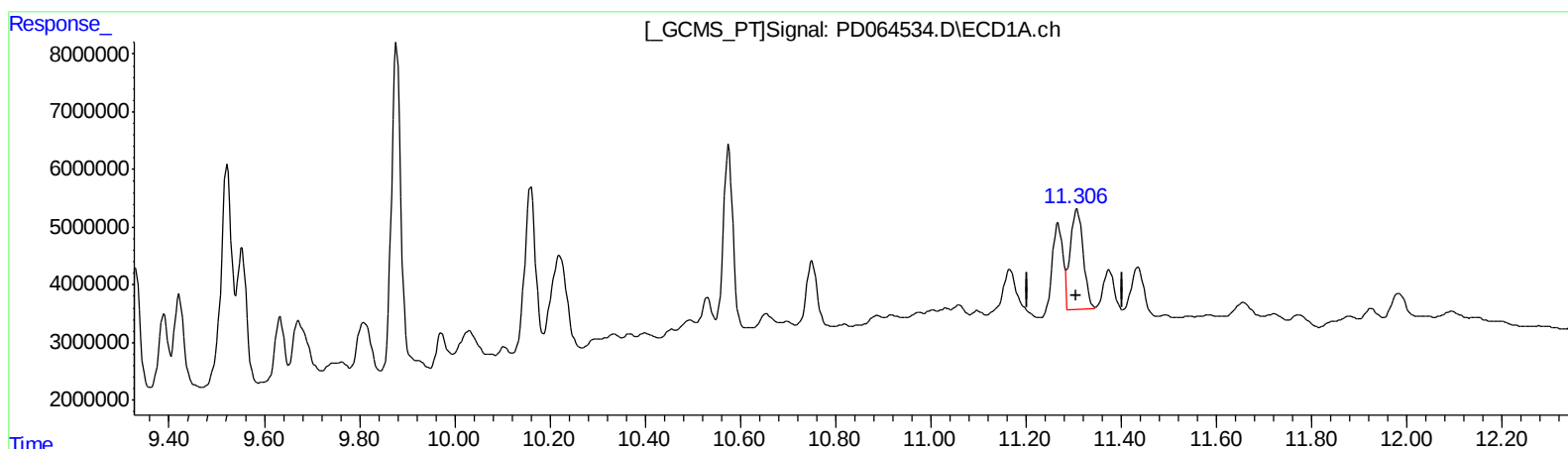
Instrument :
ECD_D
ClientSampled :
C0013

Manual Integrations
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Integration File signal 1: autoint1.e
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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



QEdit

(27) Decachlorobiphenyl (SA)

11.306min 24.984 ng/ml m

response 32888074

(27) Decachlorobiphenyl #2 (SA)

10.363min 27.800 ng/ml

response 165321858

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

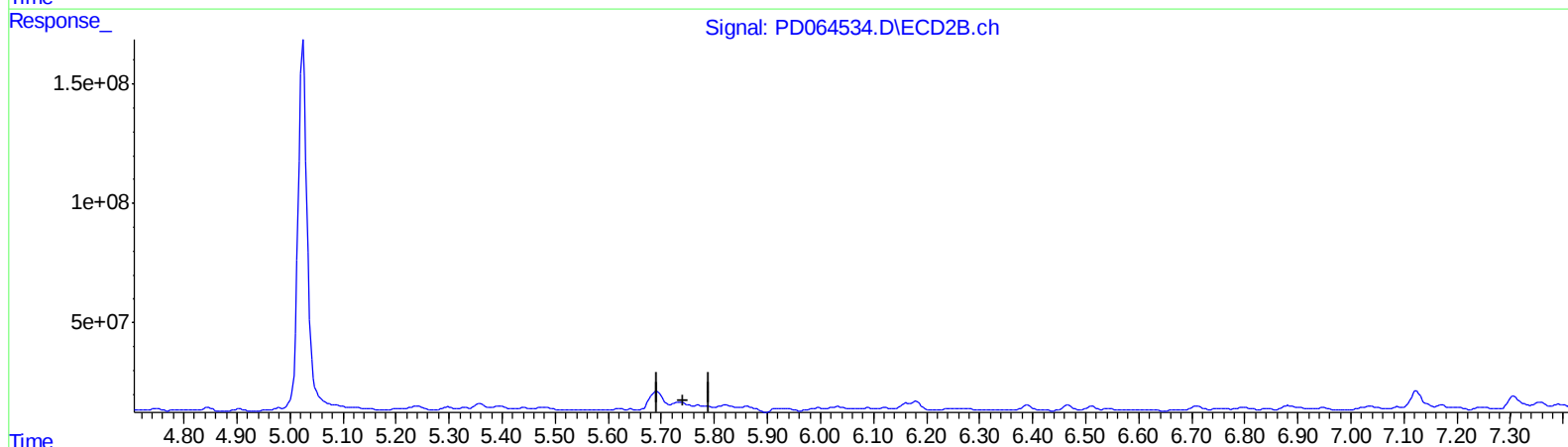
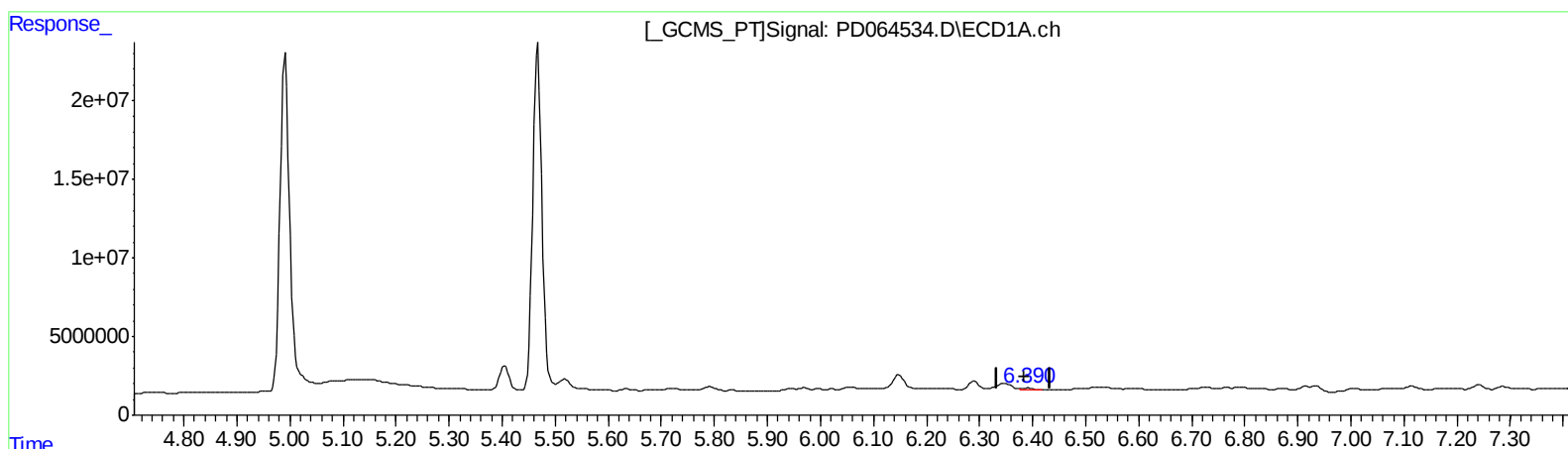
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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mohammad
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Integration File signal 1: autoint1.e
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Quant Time: Jul 30 07:00:37 2021
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Integrator: ChemStation

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



QEdit

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

6.391min 0.886 ng/ml

response 1389770

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

5.735min -0.232 ng/ml

response -2640978

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

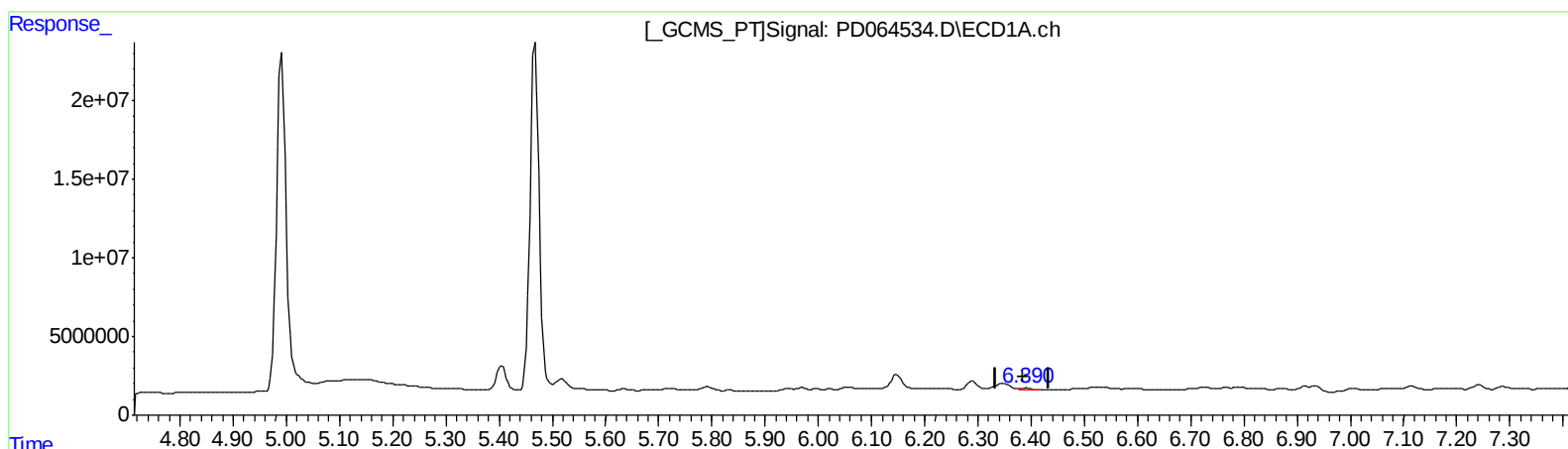
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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mohammad
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Integration File signal 1: autoint1.e
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Quant Time: Jul 30 07:00:37 2021
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Quant Title : GC Extractables
QLast Update : Wed Jul 28 07:07:14 2021
Response via : Initial Calibration
Integrator: ChemStation

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)

6.391min 0.886 ng/ml

response 1389770

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

5.734min 2.150 ng/ml m

response 24516369

QEdit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

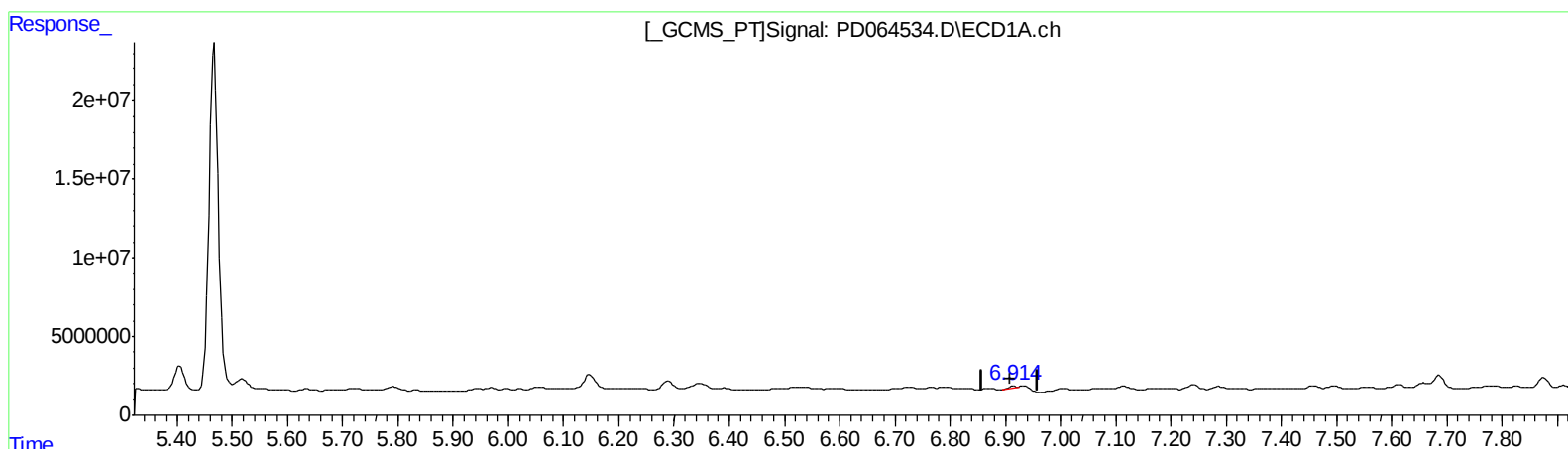
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 07:00:37 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072721CLP.M
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Integrator: ChemStation

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



(7) delta-BHC (B)
6.915min 0.633 ng/ml
response 1101329

(7) delta-BHC #2 (B)
6.390min 2.173 ng/ml
response 23604217

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
 Data File : PD064534.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2021 06:27
 Operator : AR\AJ
 Sample : M3082-15
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

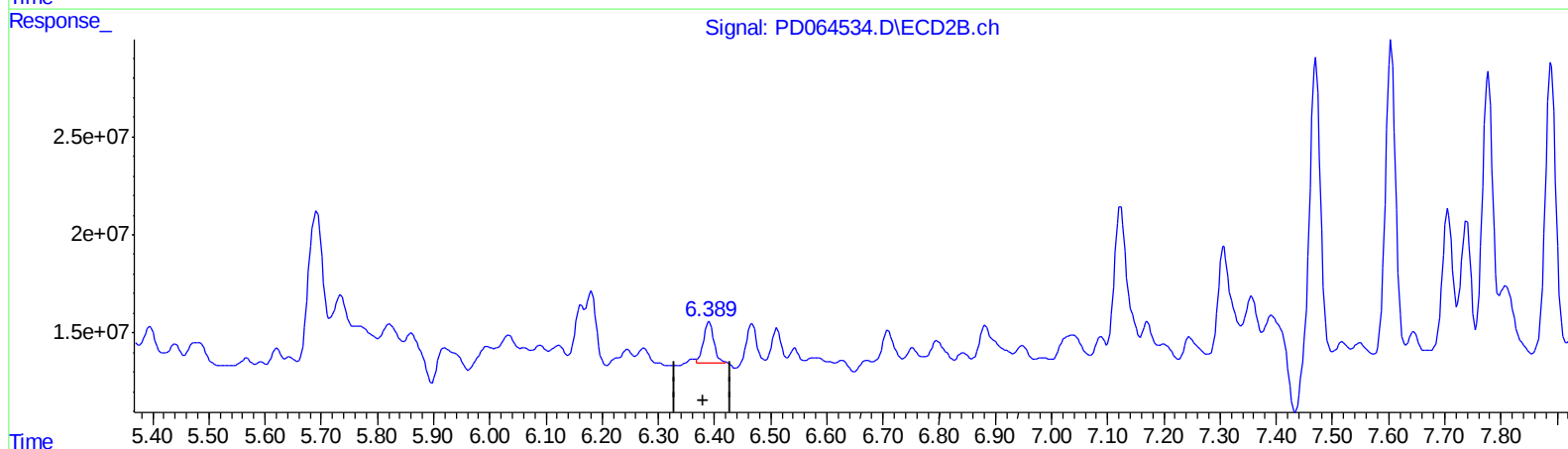
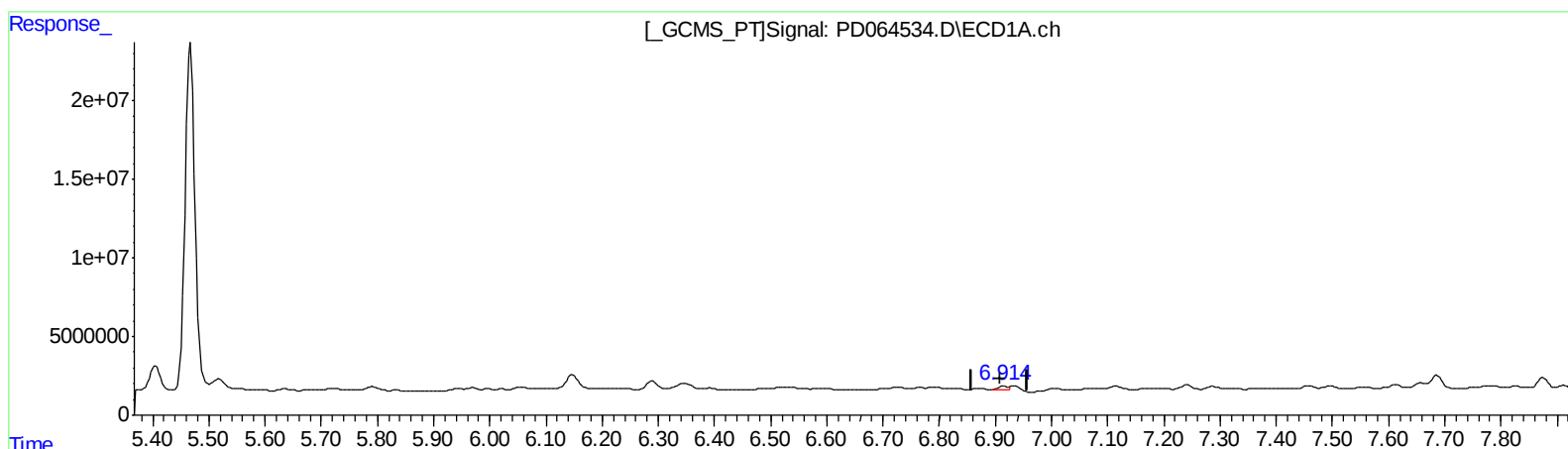
Instrument :
 ECD_D
 ClientSampleId :
 C0013

Manual Integrations
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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 07:00:37 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072721CLP.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 28 07:07:14 2021
 Response via : Initial Calibration
 Integrator: ChemStation

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



QEdit

(7) delta-BHC (B)
 6.914min 1.658 ng/ml m
 response 2885706

(7) delta-BHC #2 (B)
 6.389min 2.392 ng/ml m
 response 25990196

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

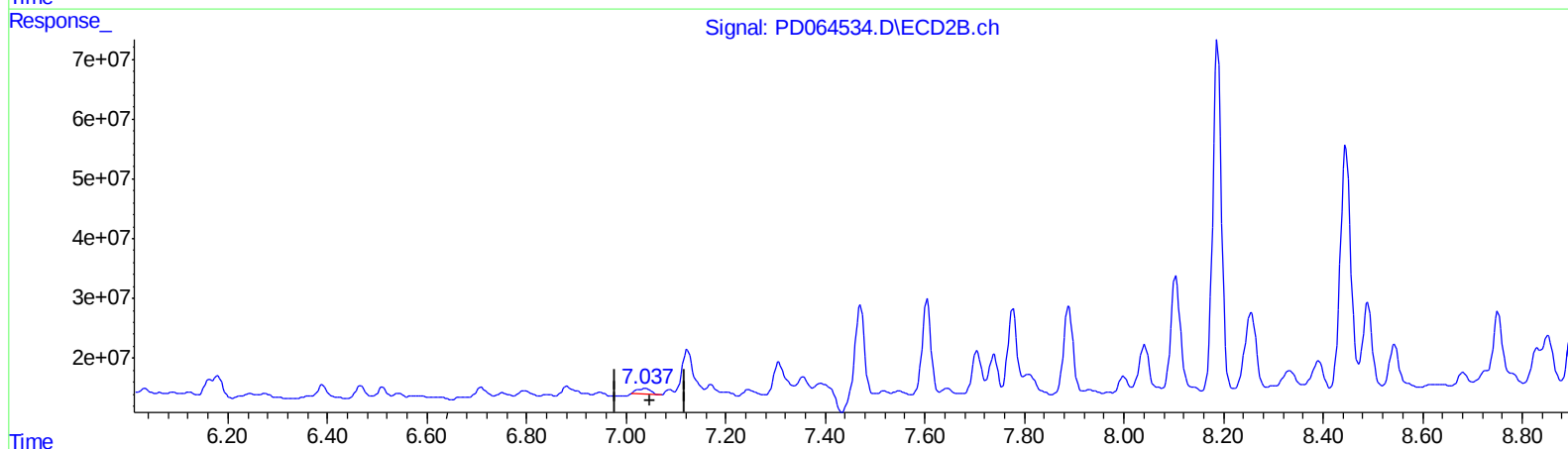
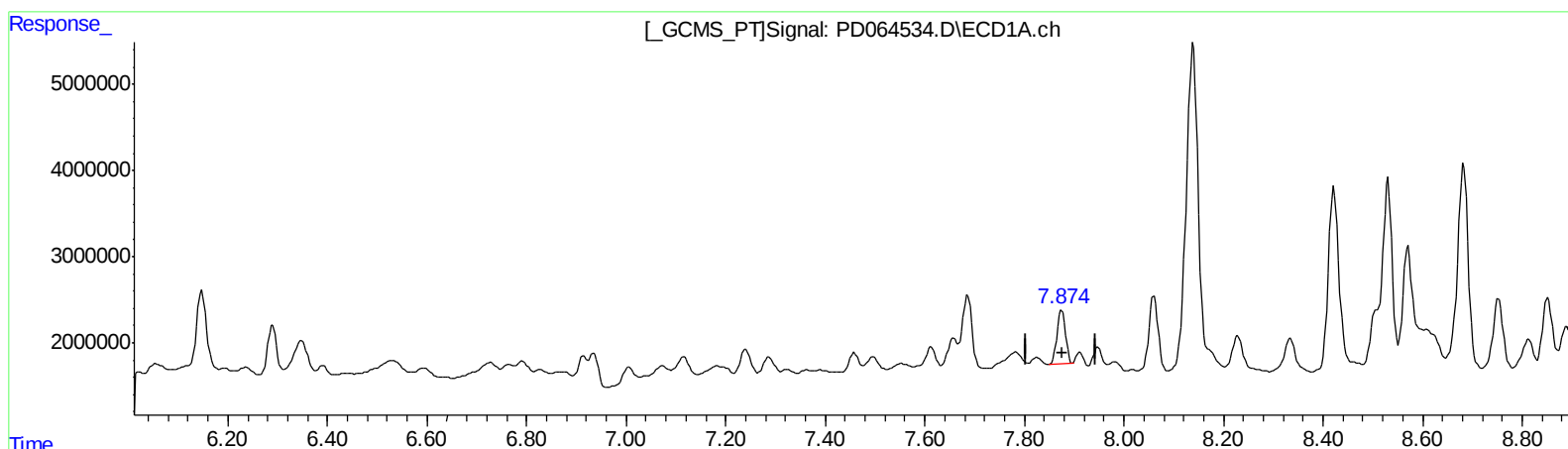
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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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



QEdit

(8) Heptachlor epoxide (B)

7.875min 4.422 ng/ml

response 7591124

(8) Heptachlor epoxide #2 (B)

7.037min 2.053 ng/ml

response 19007144

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
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Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

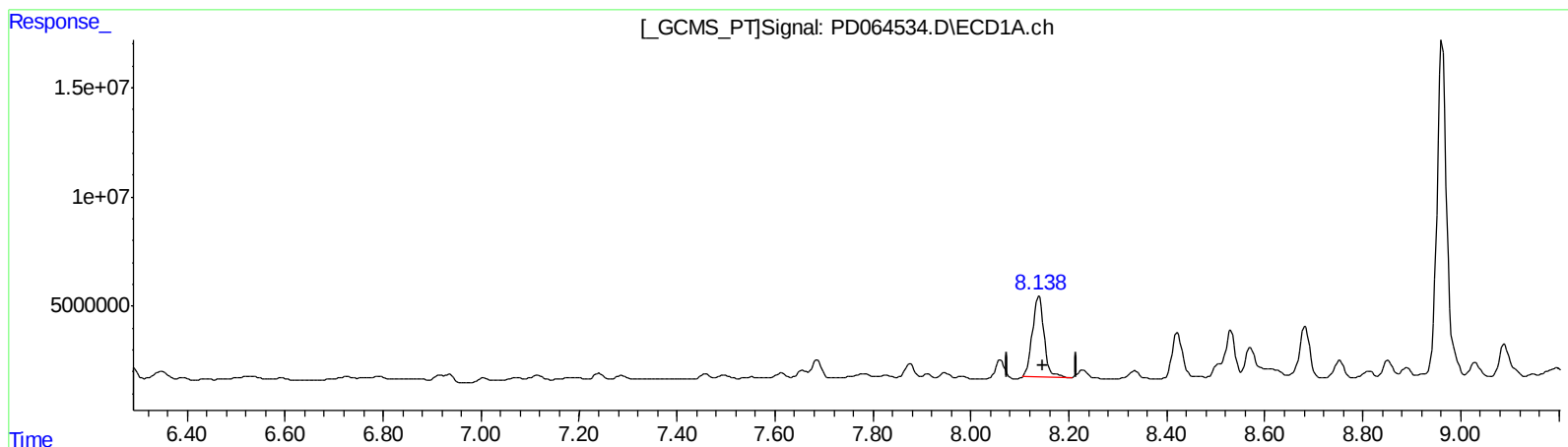
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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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



QEdit

(10) trans-Chlordane (B)

8.139min 39.113 ng/ml

response 62677276

(10) trans-Chlordane #2 (B)

7.307min 9.441 ng/ml

response 85631584

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

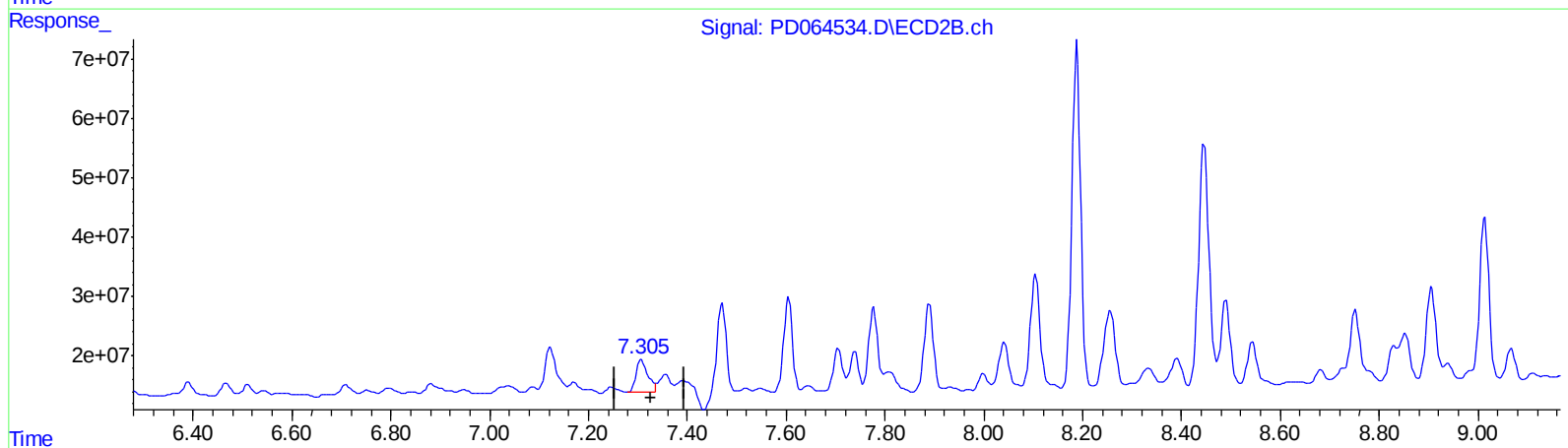
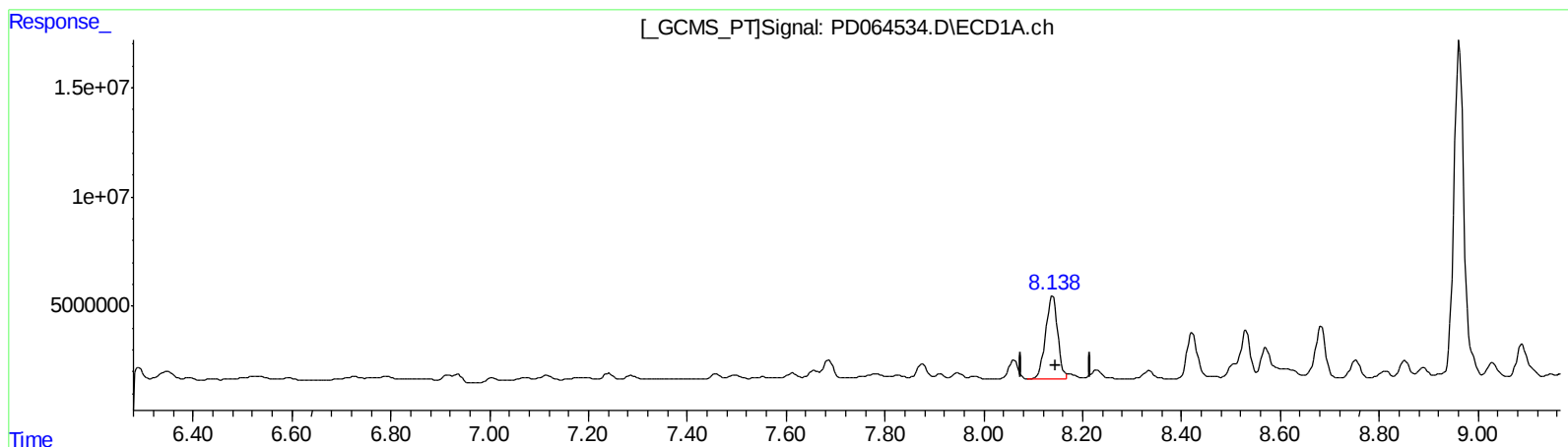
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
APPROVED

mohammad
7/30/2021 4:49:52 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.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



QEdit

(10) trans-Chlordane (B)
8.138min 40.269 ng/ml m
response 64529356

(10) trans-Chlordane #2 (B)
7.305min 10.123 ng/ml m
response 91814606

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

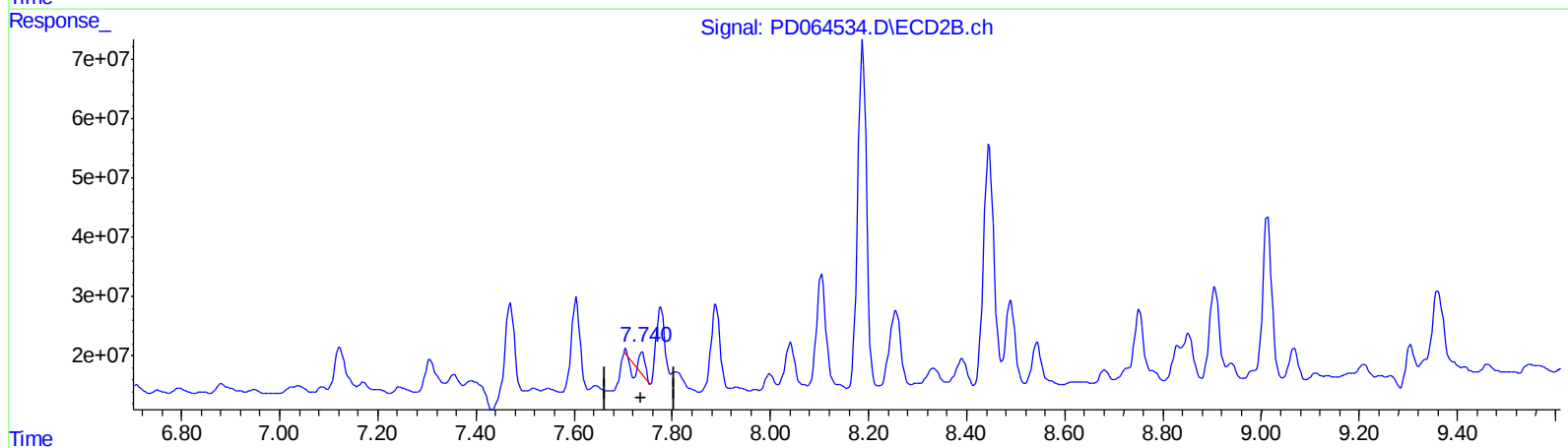
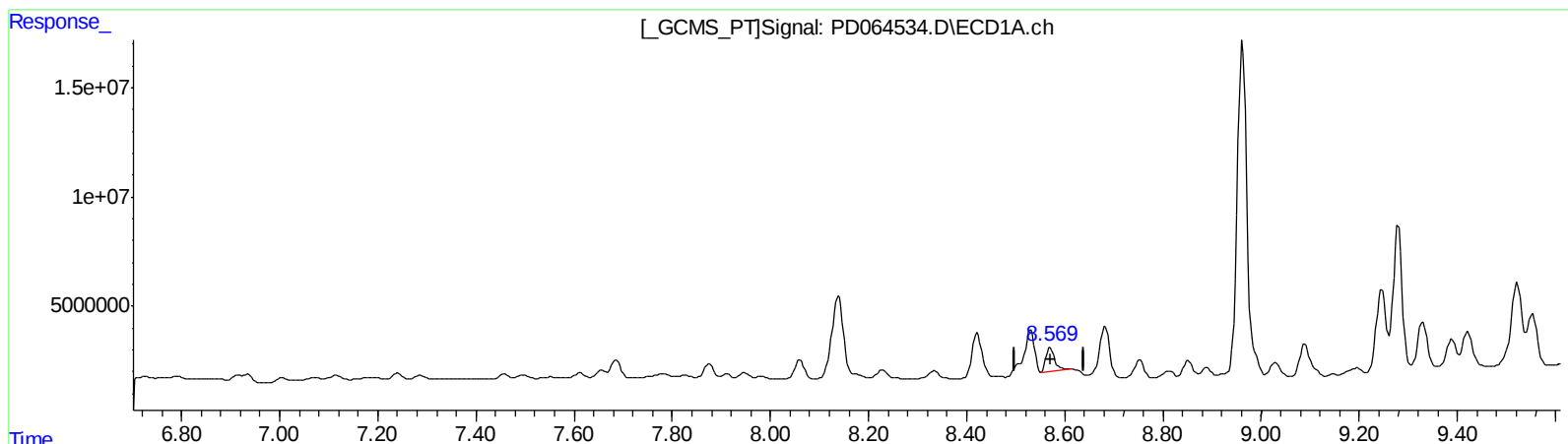
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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mohammad
7/30/2021 4:49:52 PM

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



QEdit

(13) Dieldrin (MA)
8.571min 9.050 ng/ml
response 13496401

(13) Dieldrin #2 (MA)
7.740min 2.324 ng/ml
response 18669637

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

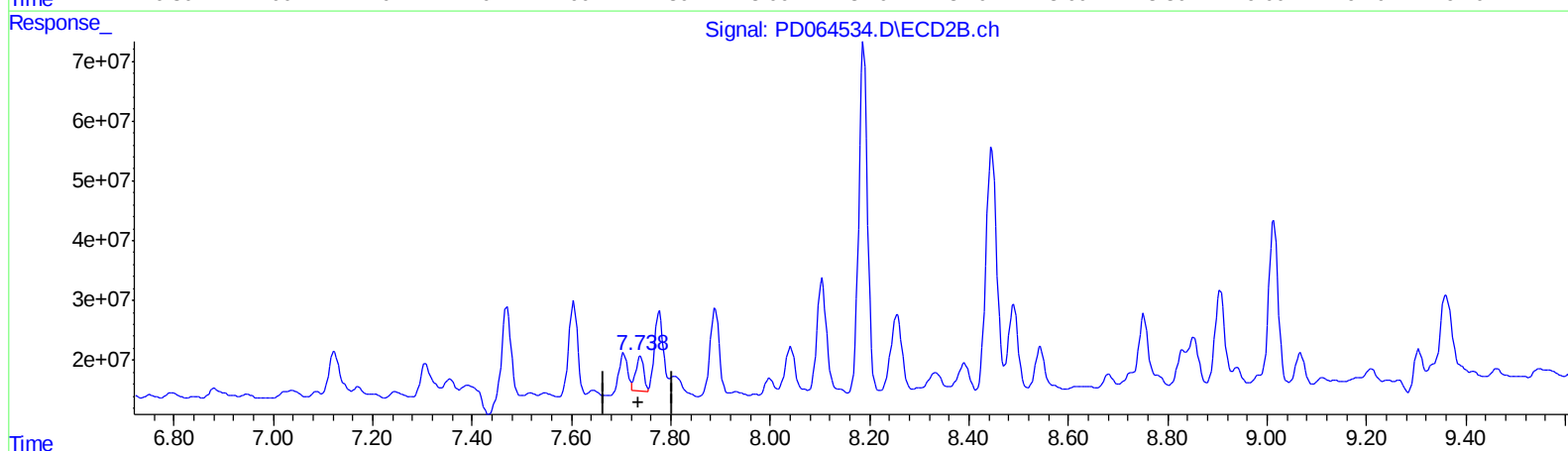
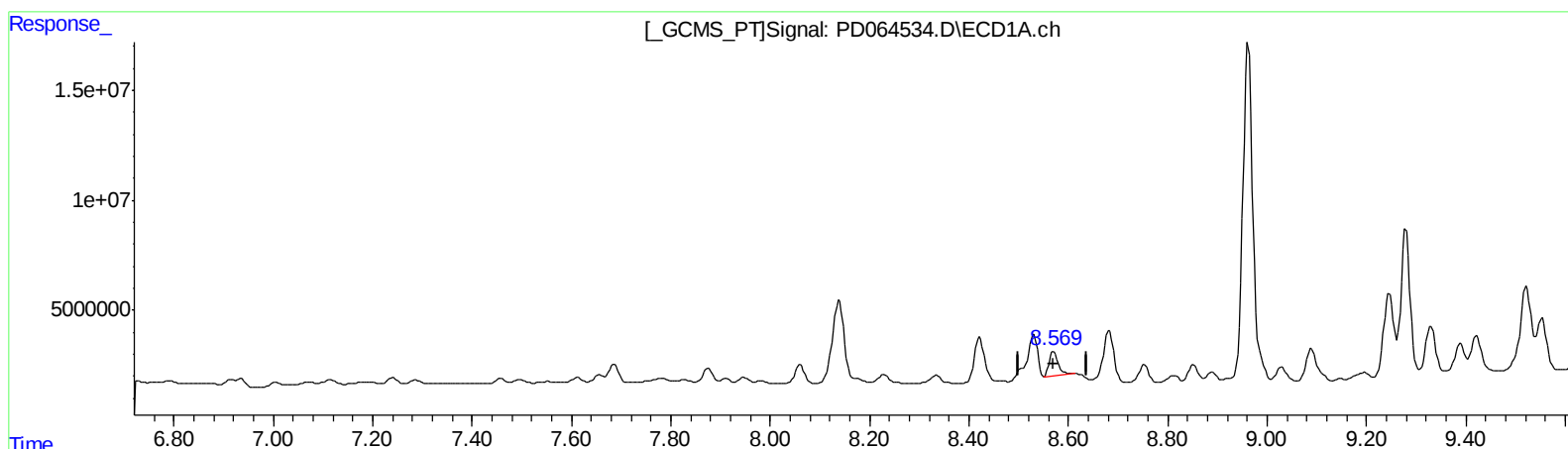
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ECD_D
ClientSampleId :
C0013

Manual Integrations
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Integration File signal 1: autoint1.e
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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



QEdit

(13) Dieldrin (MA)
8.571min 9.050 ng/ml
response 13496401

(13) Dieldrin #2 (MA)
7.738min 8.740 ng/ml m
response 70198063

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

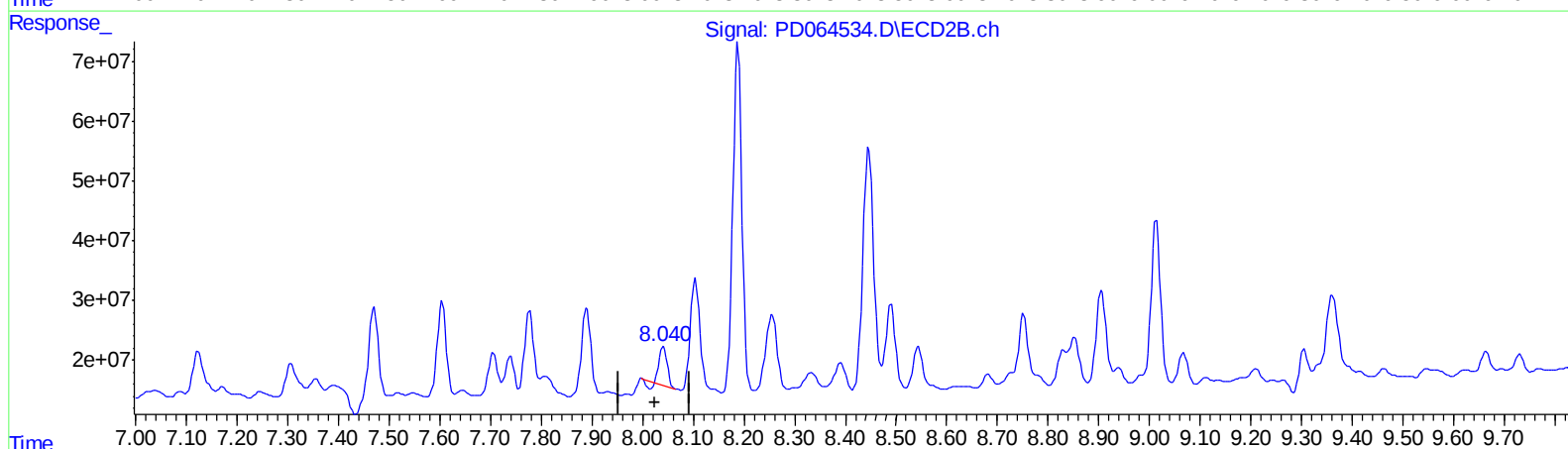
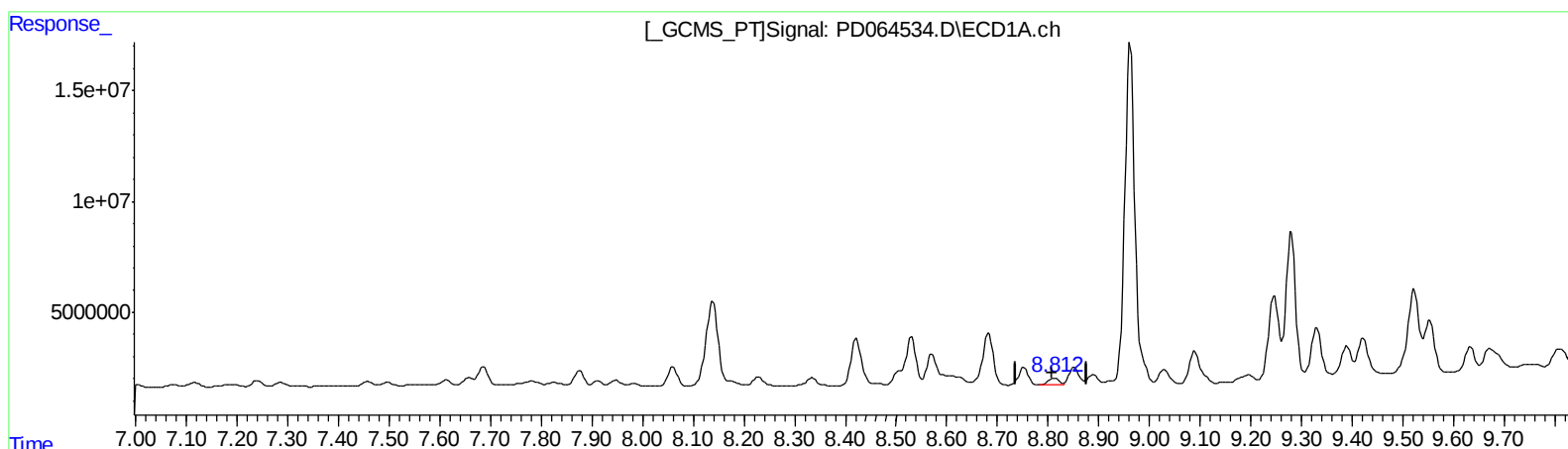
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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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



QEdit

(14) Endrin (MA)

8.813min 3.268 ng/ml

response 4183865

(14) Endrin #2 (MA)

8.042min 10.985 ng/ml

response 63103505

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
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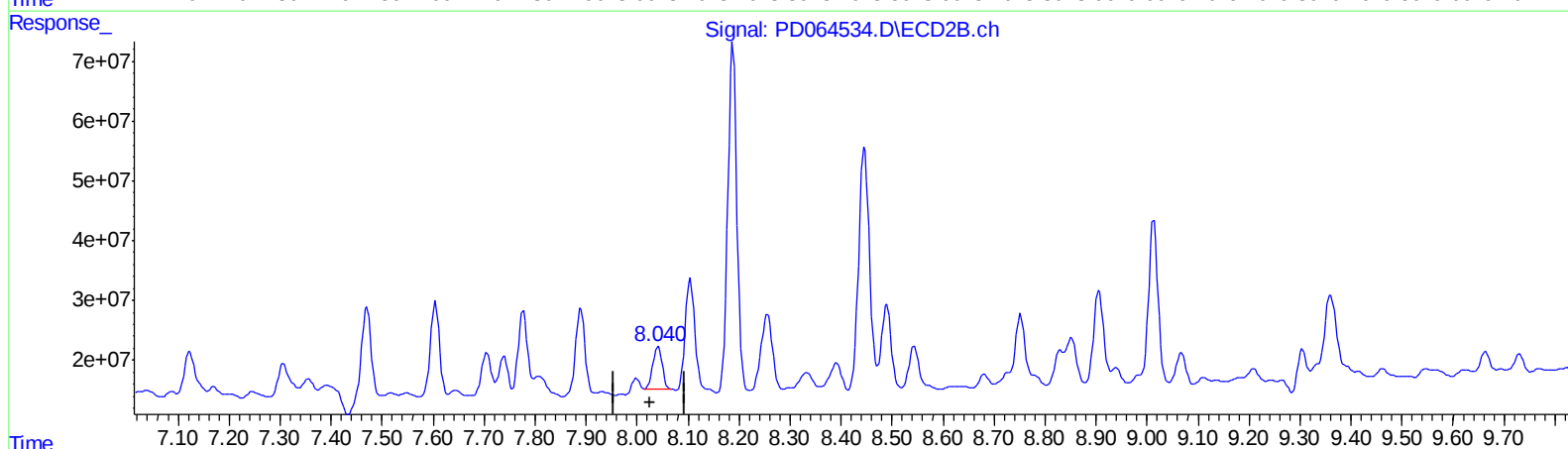
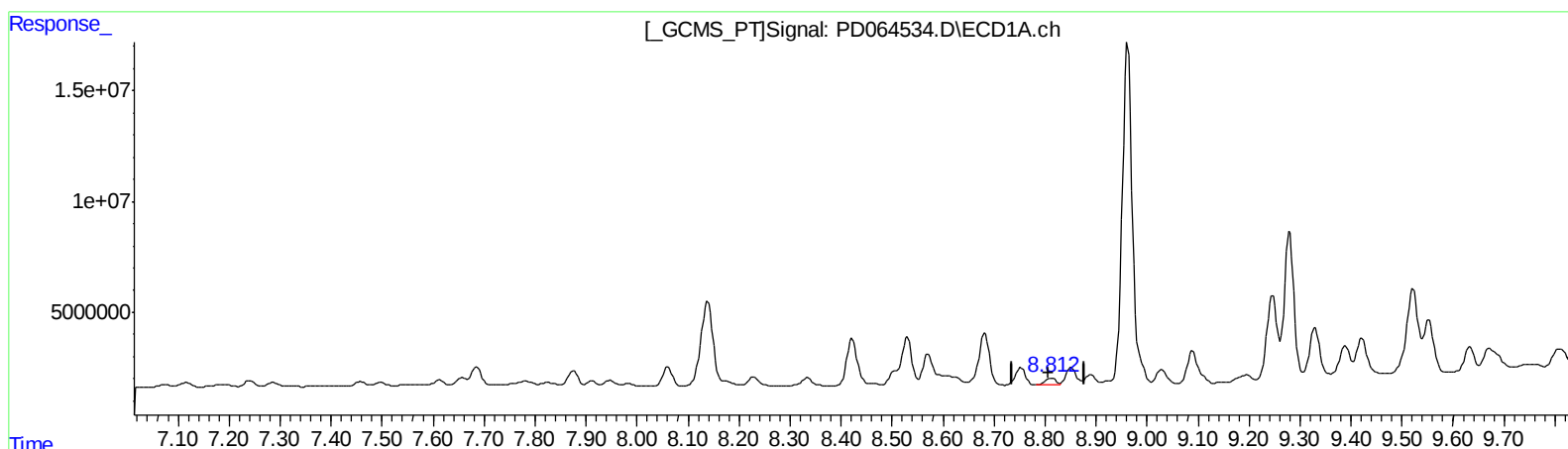
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ECD_D
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C0013

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



QEdit

(14) Endrin (MA)

8.813min 3.268 ng/ml

response 4183865

(14) Endrin #2 (MA)

8.040min 15.514 ng/ml m

response 89121760

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

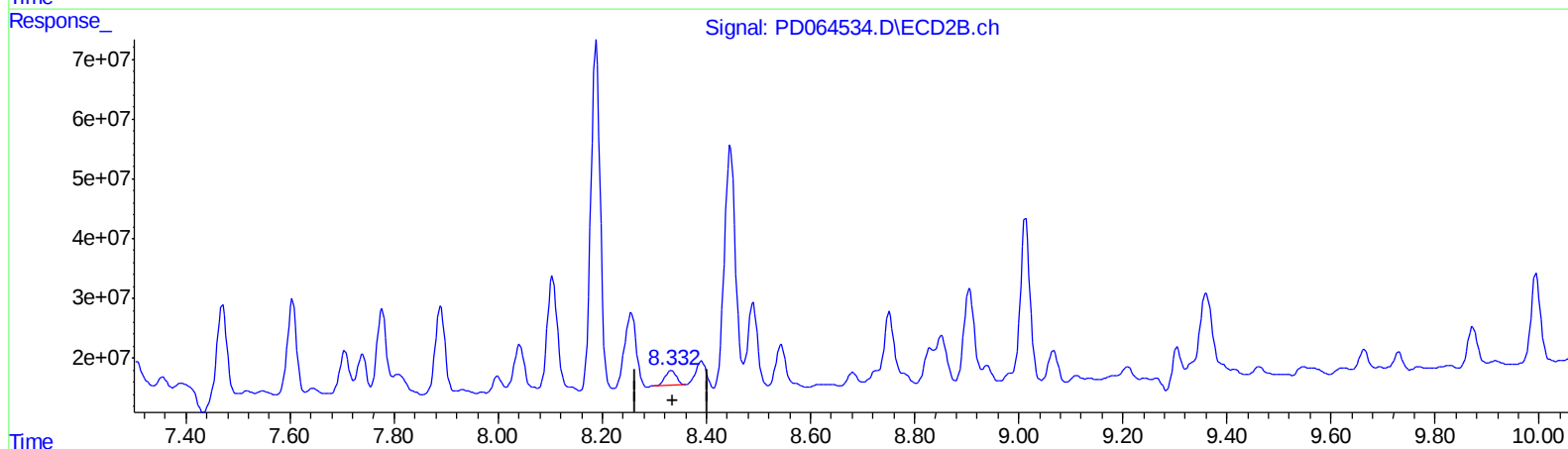
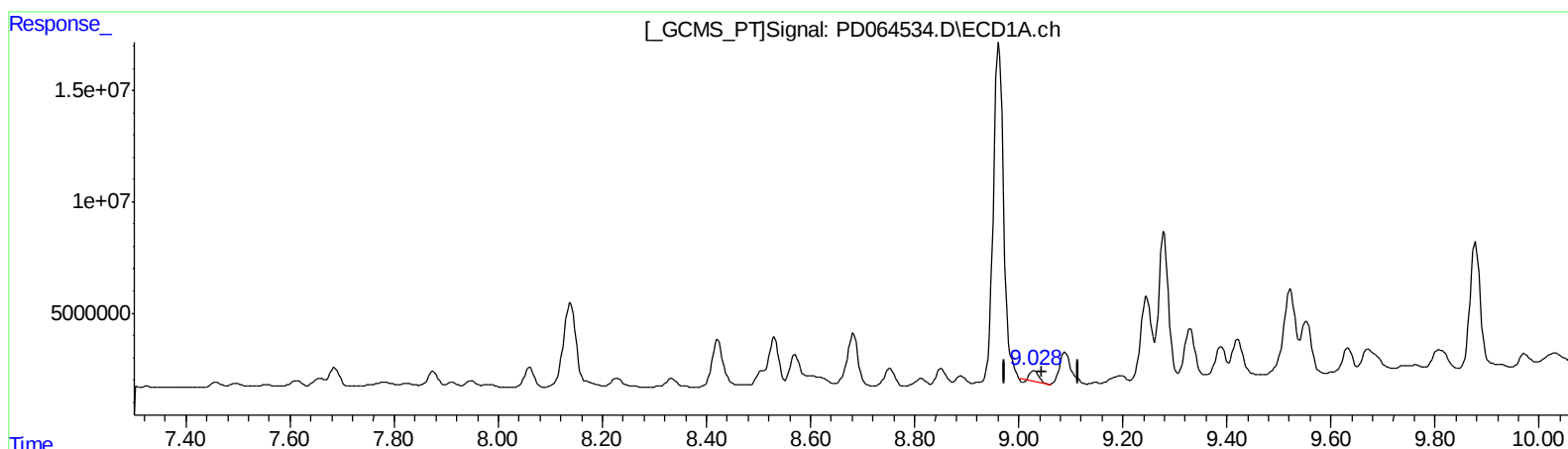
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
APPROVED

mohammad
7/30/2021 4:49:52 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



QEdit

(15) Endosulfan II (B)
9.029min 4.079 ng/ml
response 5297109

(15) Endosulfan II #2 (B)
8.333min 6.883 ng/ml
response 39732138

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

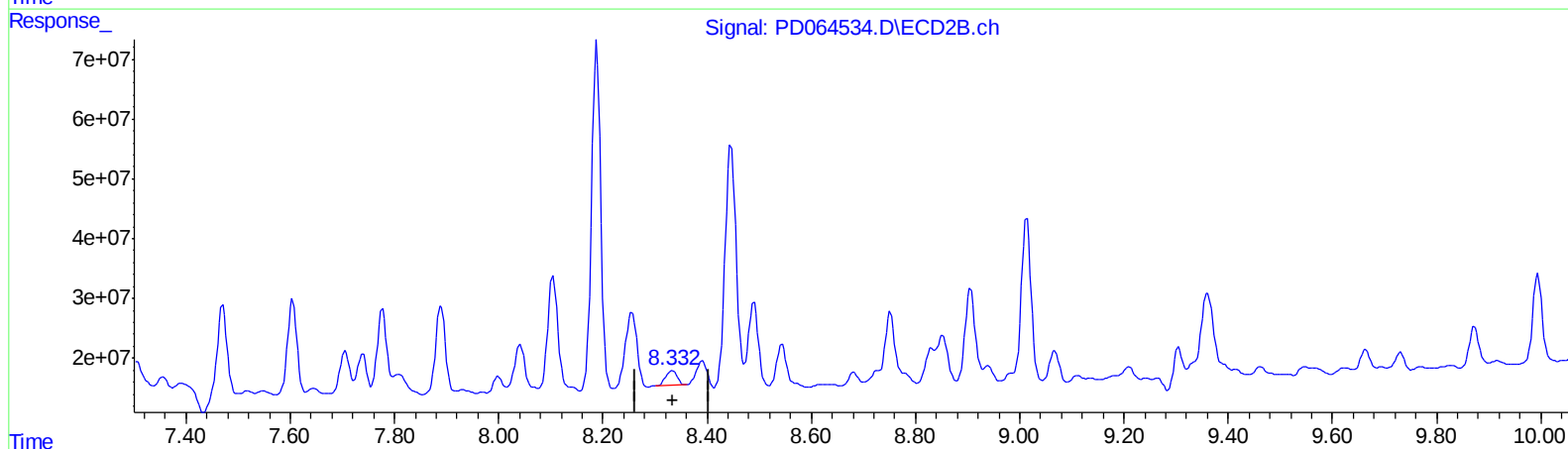
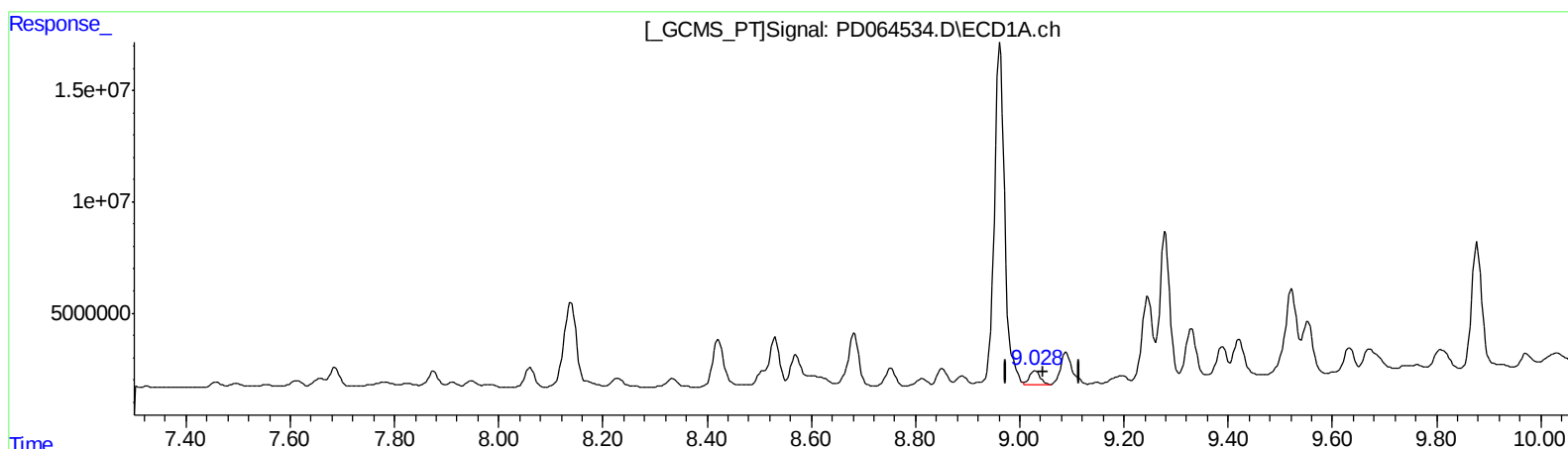
Instrument :
ECD_D
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C0013

Manual Integrations
APPROVED

mohammad
7/30/2021 4:49:52 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 07:00:37 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072721CLP.M
Quant Title : GC Extractables
QLast Update : Wed Jul 28 07:07:14 2021
Response via : Initial Calibration
Integrator: ChemStation

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



QEdit

(15) Endosulfan II (B)
9.028min 6.956 ng/ml m
response 9032754

(15) Endosulfan II #2 (B)
8.333min 6.883 ng/ml
response 39732138

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

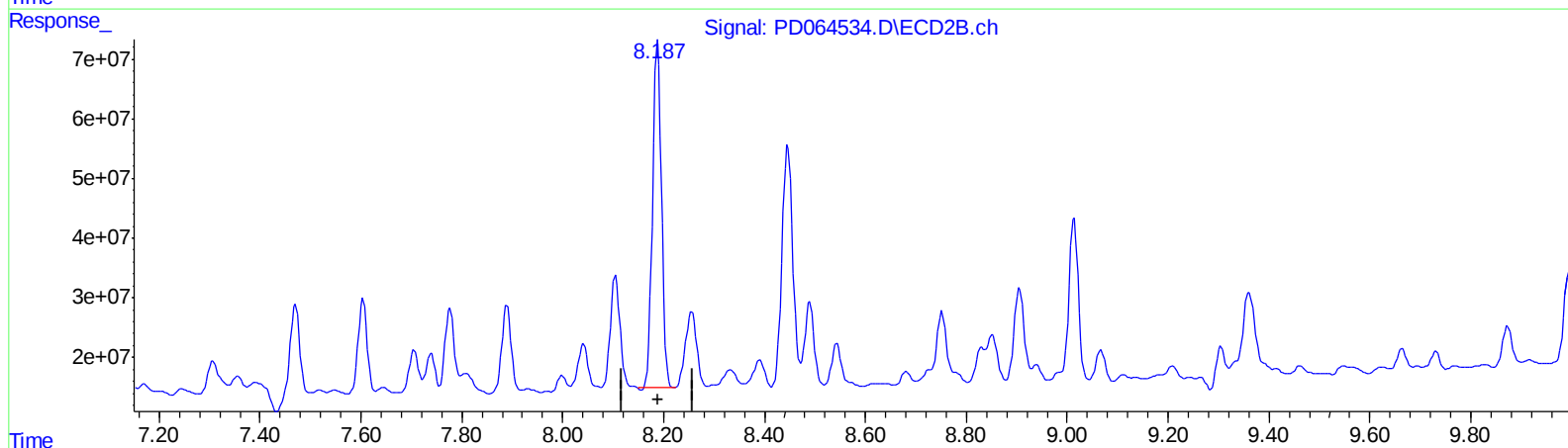
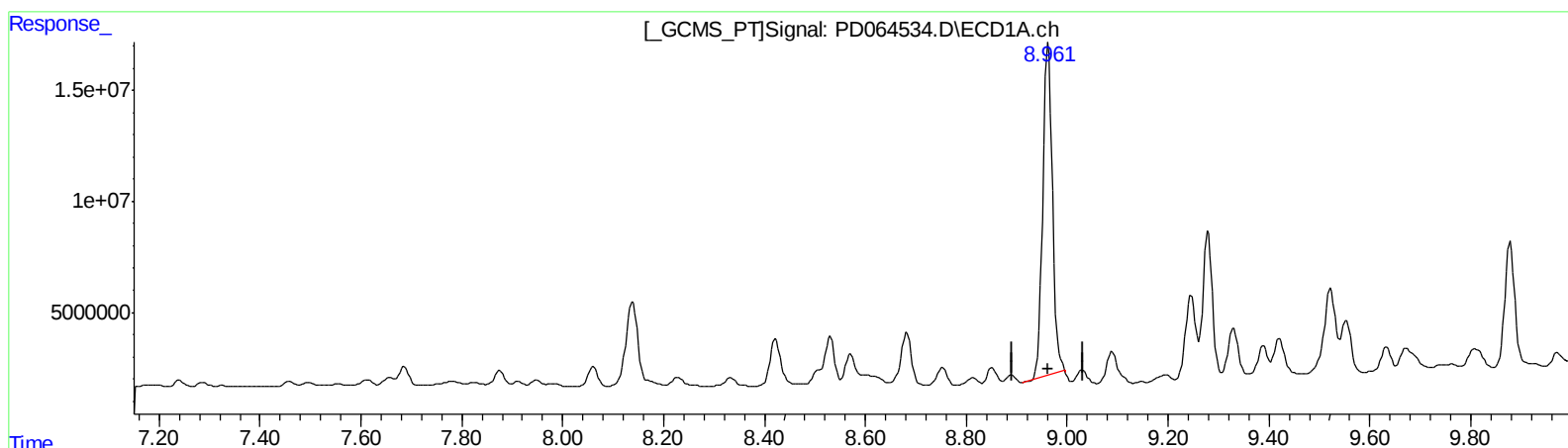
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
APPROVED

mohammad
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Integration File signal 1: autoint1.e
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QEdit

(16) 4,4'-DDD (A)

8.962min 161.399 ng/ml

response 198124714

(16) 4,4'-DDD #2 (A)

8.188min 123.857 ng/ml

response 713360854

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

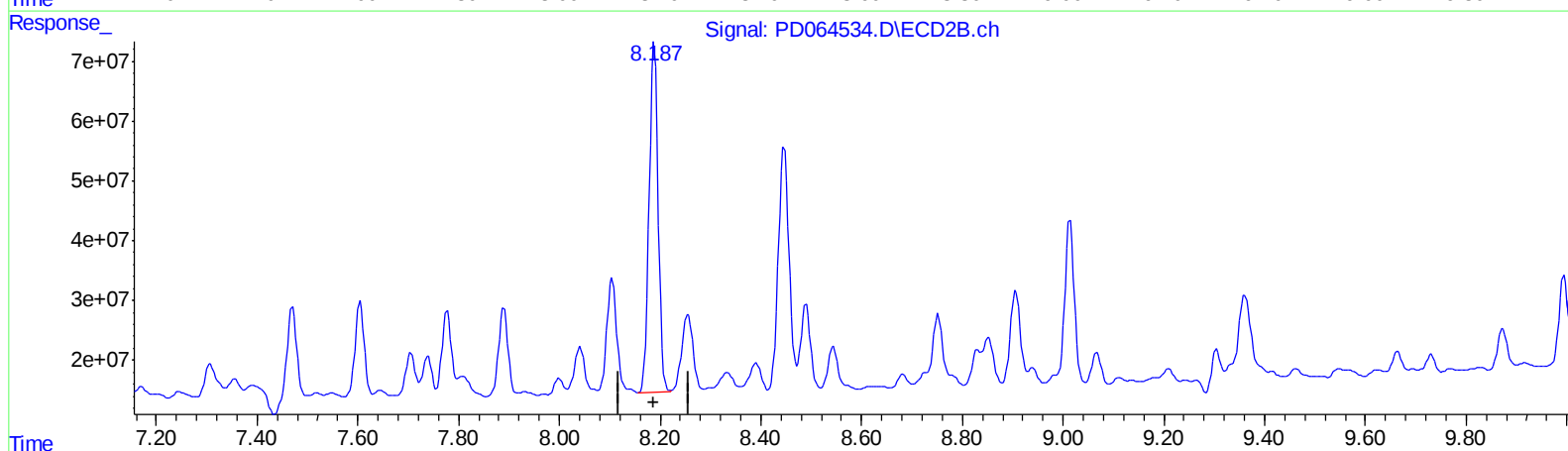
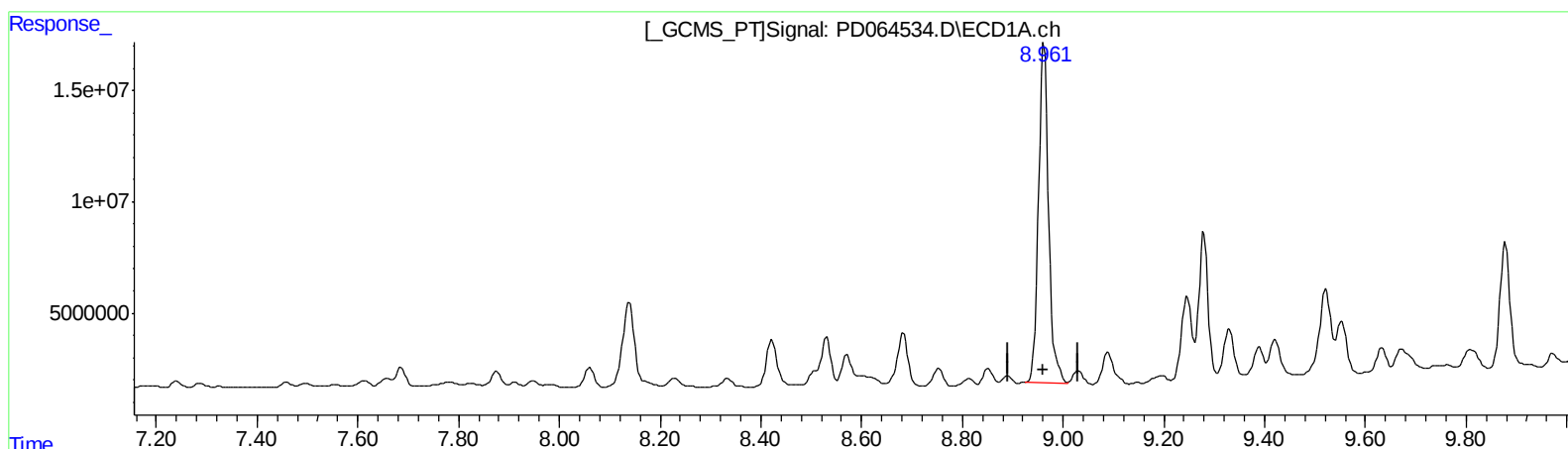
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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mohammad
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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



QEdit

(16) 4,4'-DDD (A)
8.961min 172.704 ng/ml m
response 212002578

(16) 4,4'-DDD #2 (A)
8.187min 125.630 ng/ml m
response 723569956

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

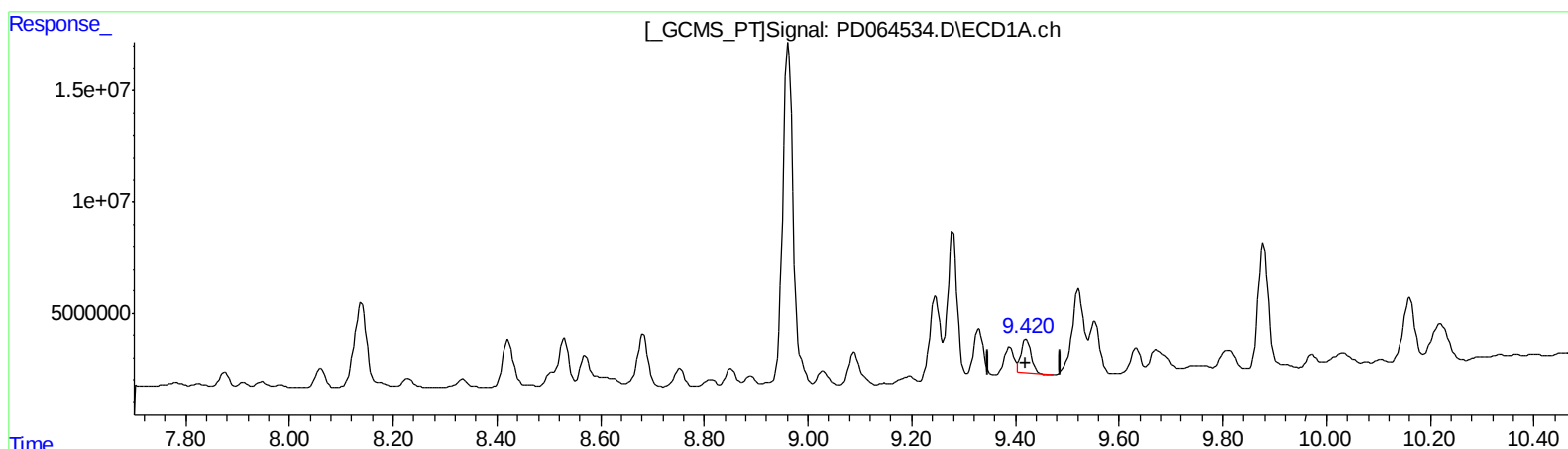
Instrument :
ECD_D
ClientSampleId :
C0013

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



(19) Endosulfan Sulfate (B)

9.421min 14.819 ng/ml

response 20422858

(19) Endosulfan Sulfate #2 (B)

8.752min 31.984 ng/ml

response 172403795

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

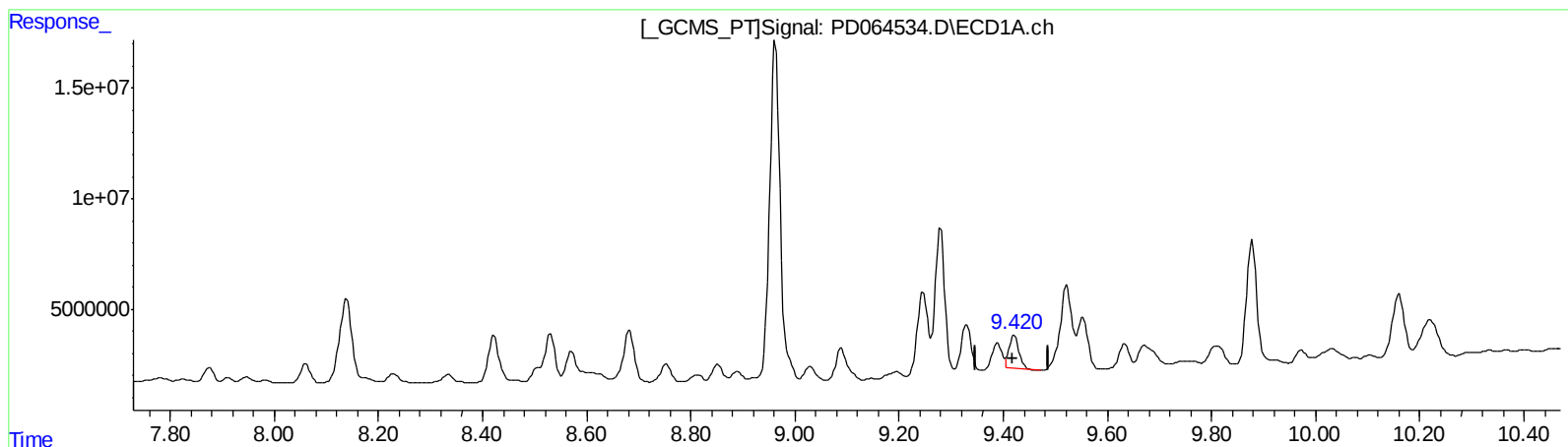
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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mohammad
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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



(19) Endosulfan Sulfate (B)

9.421min 14.819 ng/ml

response 20422858

(19) Endosulfan Sulfate #2 (B)

8.751min 22.410 ng/ml m

response 120796325

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

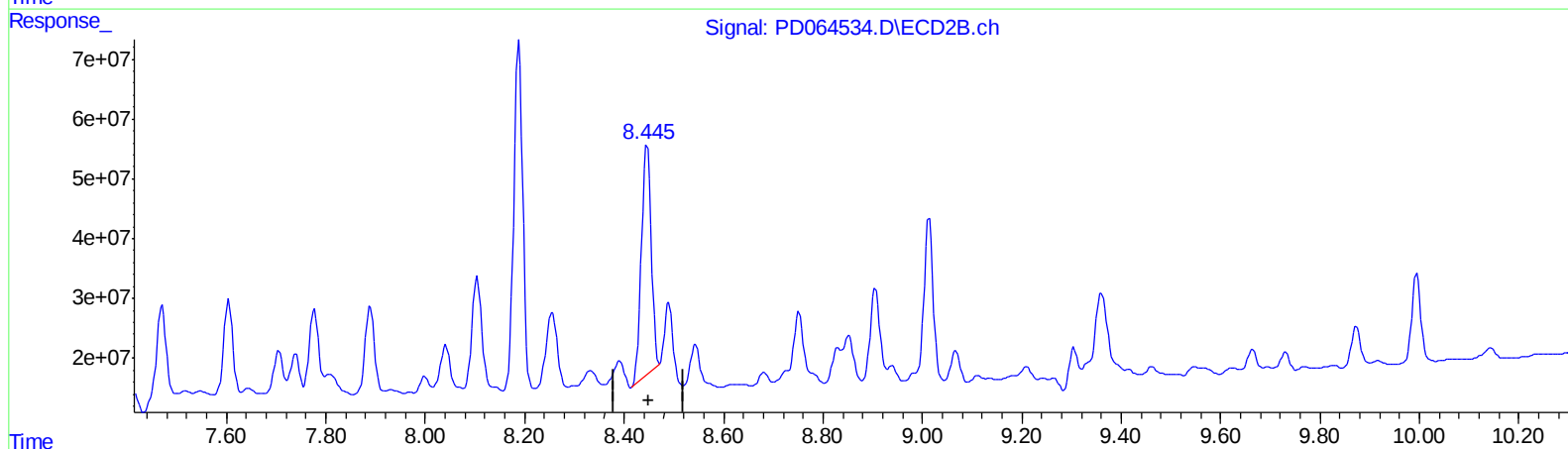
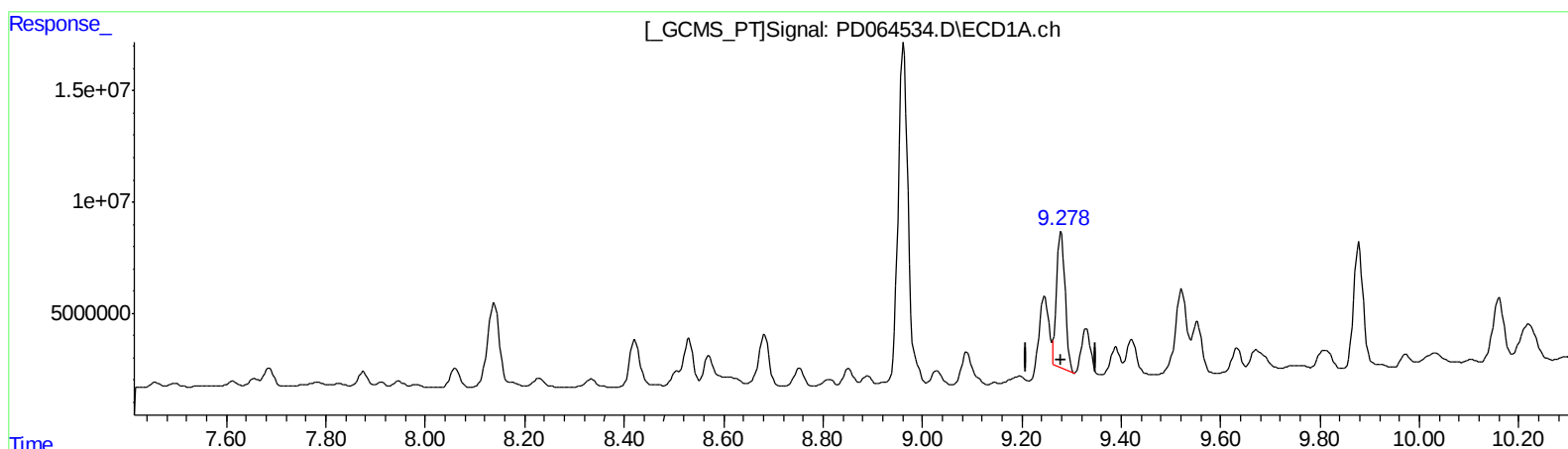
Instrument :
ECD_D
ClientSampleId :
C0013

Manual Integrations
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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



QEdit

(17) 4,4'-DDT (MA)

9.280min 57.132 ng/ml

response 74583680

(17) 4,4'-DDT #2 (MA)

8.446min 96.915 ng/ml

response 533477125

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
Data File : PD064534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2021 06:27
Operator : AR\AJ
Sample : M3082-15
Misc :
ALS Vial : 54 Sample Multiplier: 1

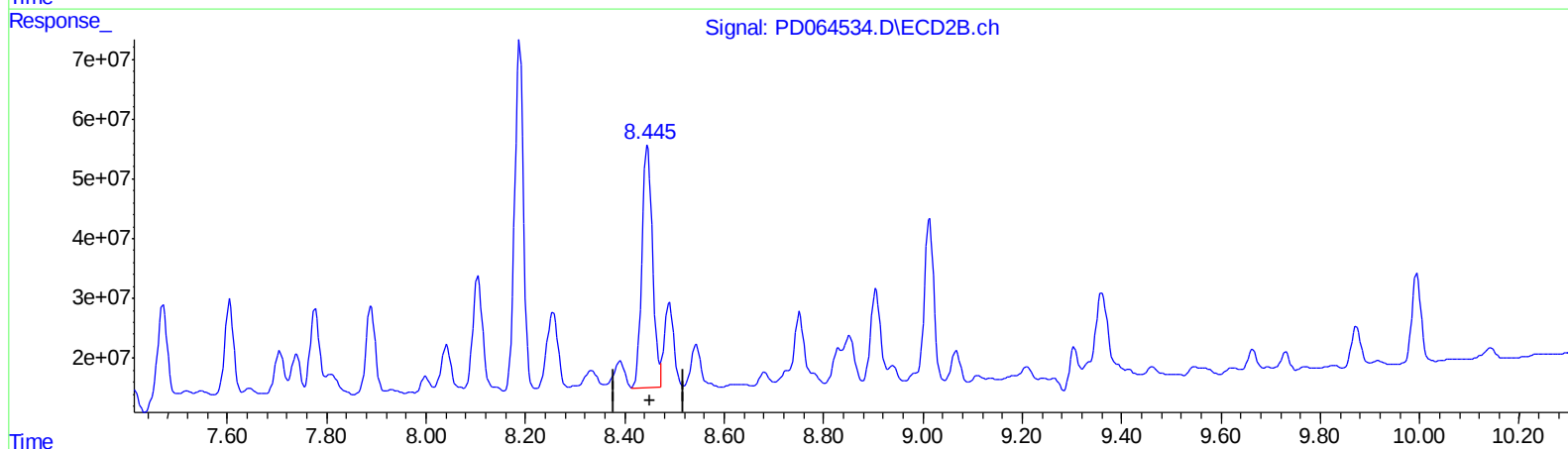
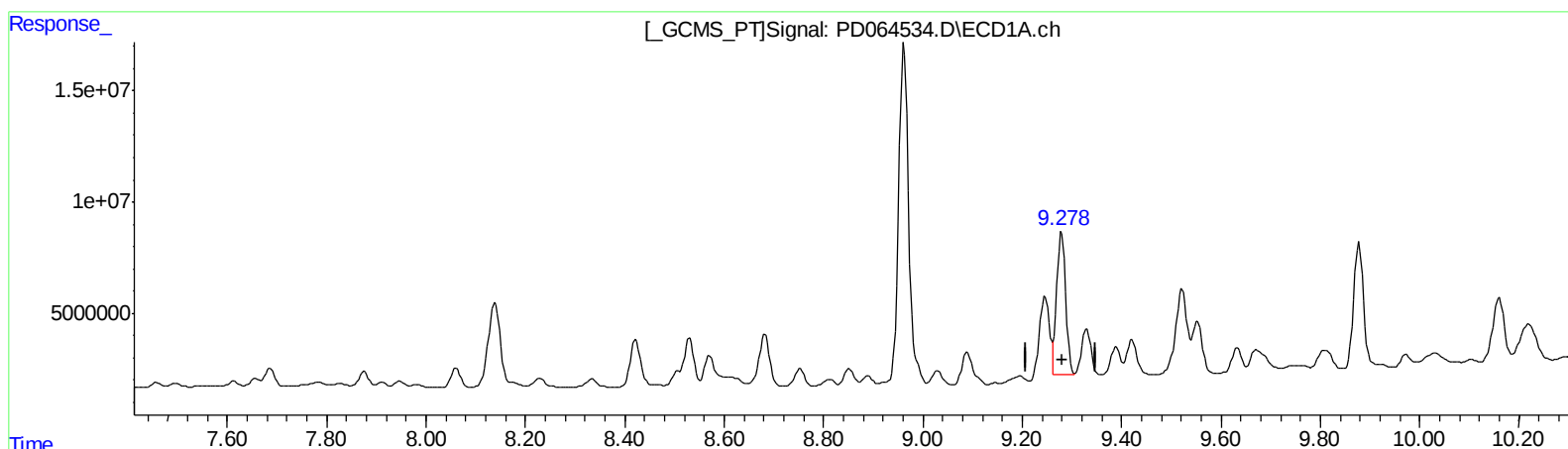
Instrument :
ECD_D
ClientSampleId :
C0013

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



QEdit

(17) 4,4'-DDT (MA)

9.278min 61.557 ng/ml m

response 80360513

(17) 4,4'-DDT #2 (MA)

8.445min 109.920 ng/ml m

response 605062353

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072921\
 Data File : PD064534.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2021 06:27
 Operator : AR\AJ
 Sample : M3082-15
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 C0013

Manual Integrations
 APPROVED

mohammad
 7/30/2021 4:49:52 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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

1) SA Tetrachlo...	5.405	4.620	18775517	160.5E6	15.740	17.568
27) SA Decachlor...	11.306	10.363	32888074	165.3E6	24.984m	27.800

Target Compounds

3) MA gamma-BHC...	6.391	5.734	1389770	24516369	0.886	2.150m#
7) B delta-BHC	6.914	6.389	2885706	25990196	1.658m	2.392m#
8) B Heptachlo...	7.875	7.036	7591124	30494758	4.422	3.294m#
10) B trans-Chl...	8.138	7.305	64529356	91814606	40.269m	10.123m#
11) B cis-Chlor...	8.229	7.391	4771319	12261595	3.062	1.378m#
12) B 4,4'-DDE	8.422	7.605	29906196	194.5E6	20.749	25.775
13) MA Dieldrin	8.571	7.738	13496401	70198063	9.050	8.740m
14) MA Endrin	8.813	8.040	4183865	89121760	3.268	15.514m#
15) B Endosulfa...	9.028	8.333	9032754	39732138	6.956m	6.883
16) A 4,4'-DDD	8.961	8.187	212.0E6	723.6E6	172.704m	125.630m#
17) MA 4,4'-DDT	9.278	8.445	80360513	605.1E6	61.557m	109.920m#
19) B Endosulfa...	9.421	8.751	20422858	120.8E6	14.819	22.410m#

AJ
 08/03/21

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