

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

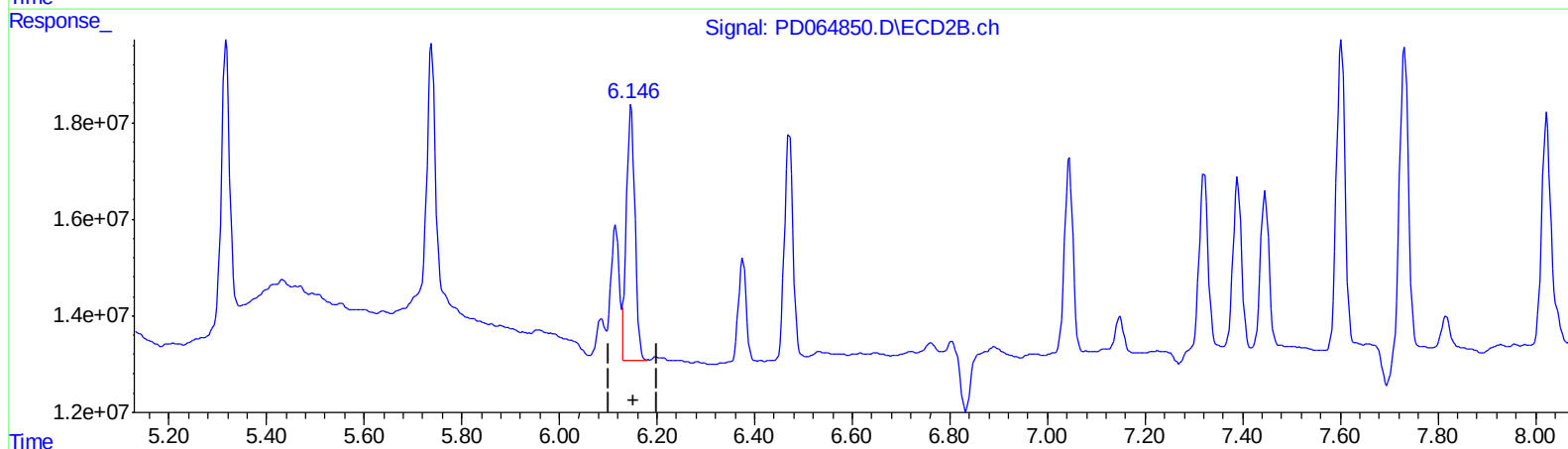
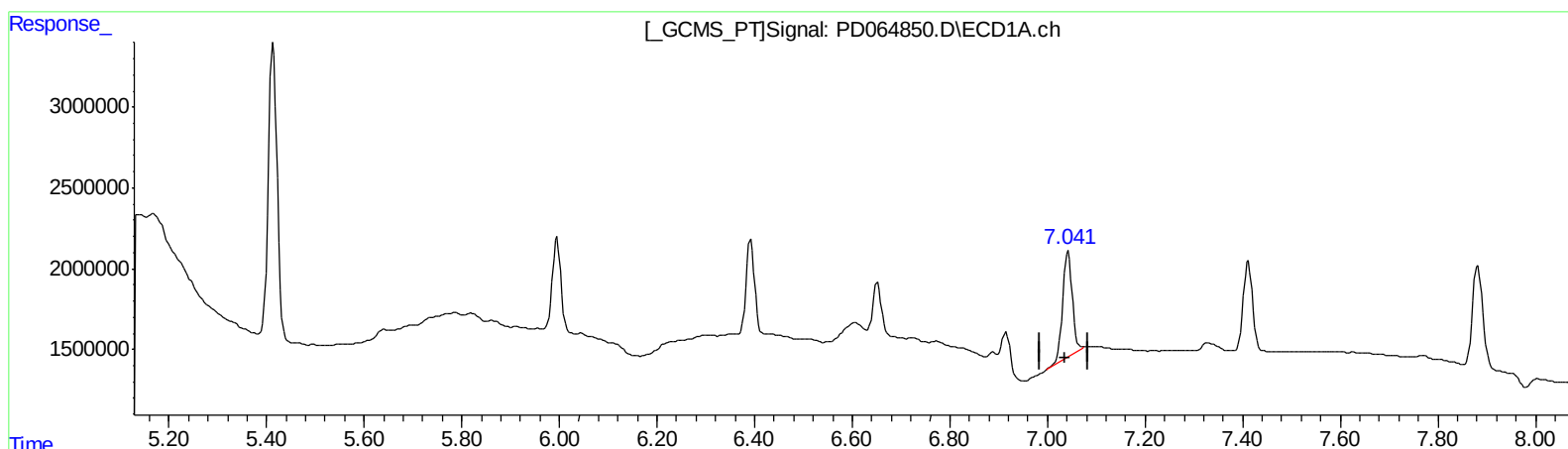
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 08:08:01 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

(4) Heptachlor (MA)

7.042min 5.442 ng/ml

response 9146411

(4) Heptachlor #2 (MA)

6.146min 5.721 ng/ml m

response 64867425

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

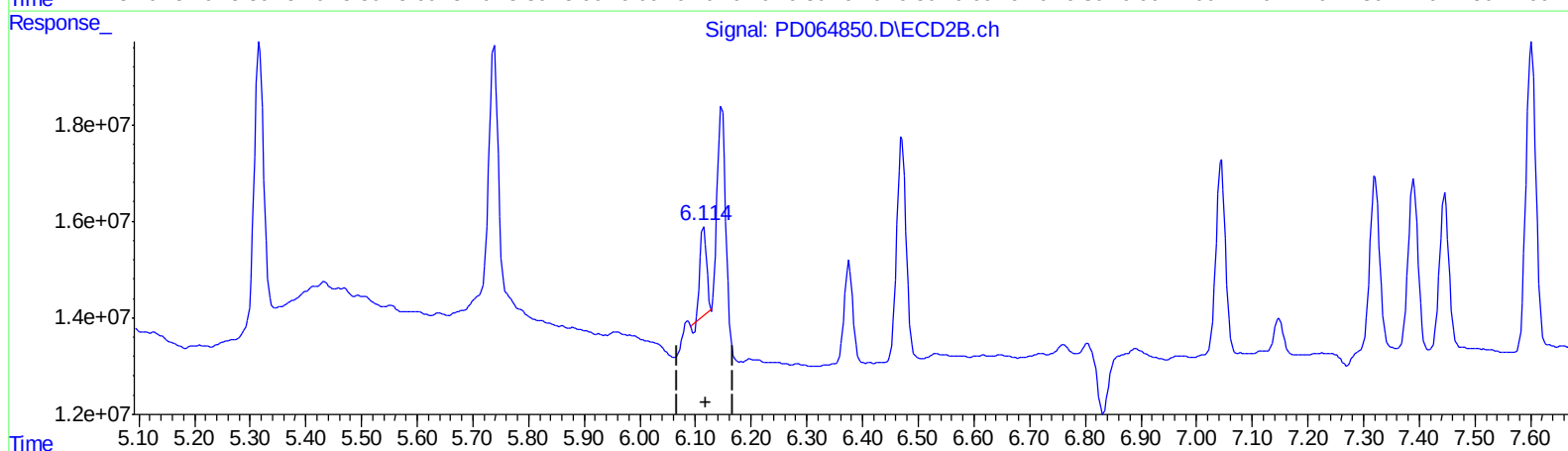
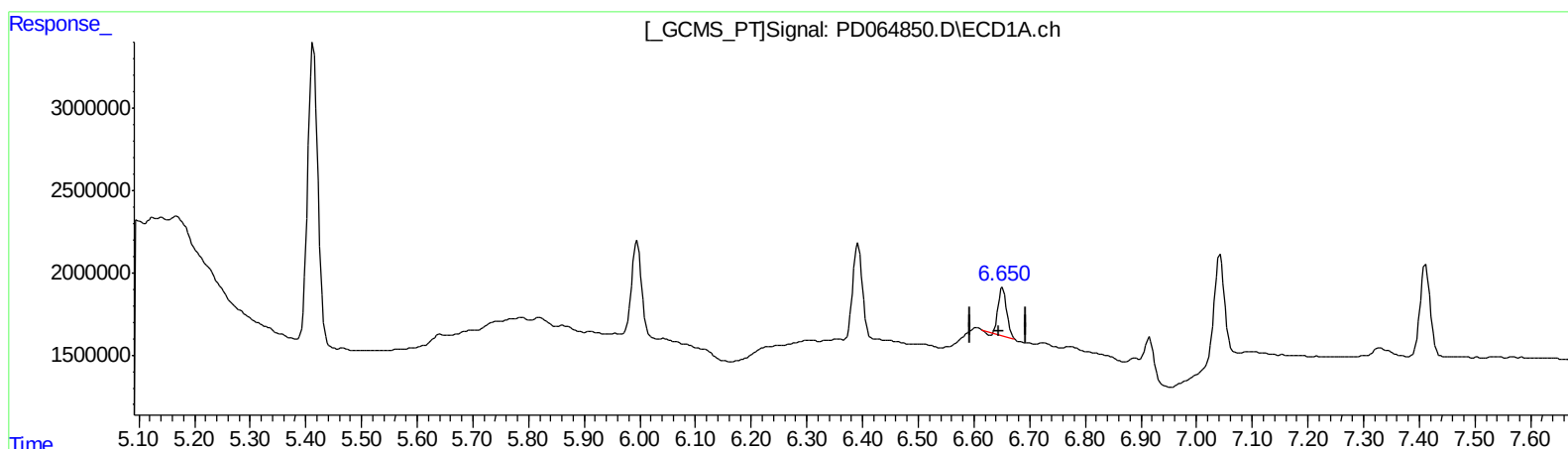
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 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

(6) beta-BHC (B)

6.652min 3.877 ng/ml

response 3024824

(6) beta-BHC #2 (B)

6.115min 2.488 ng/ml

response 15094319

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
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Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

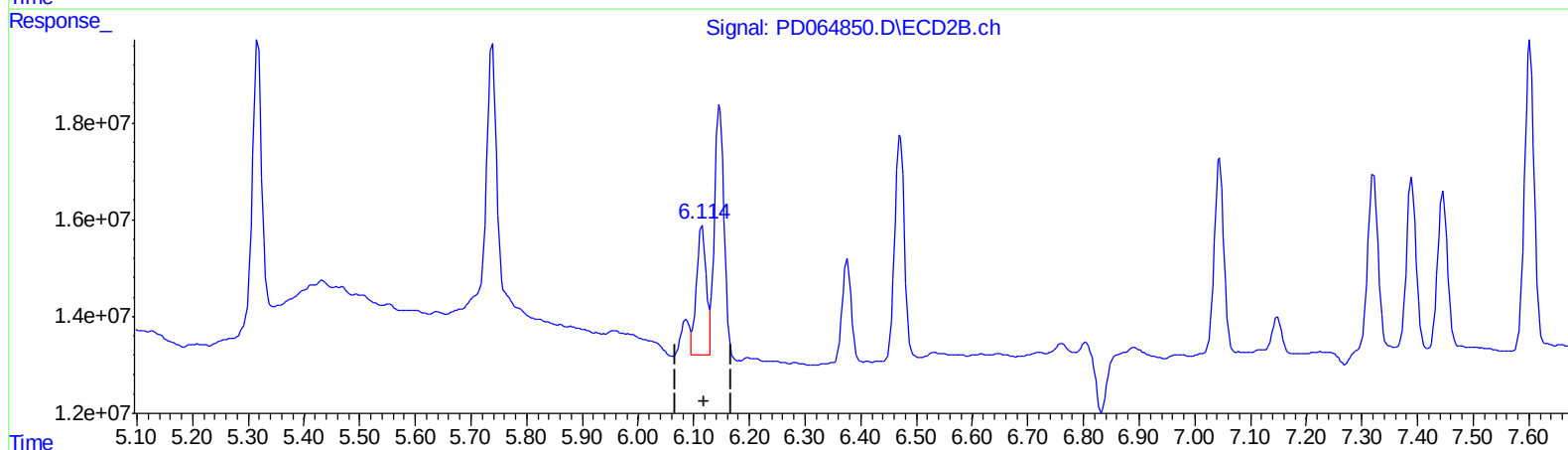
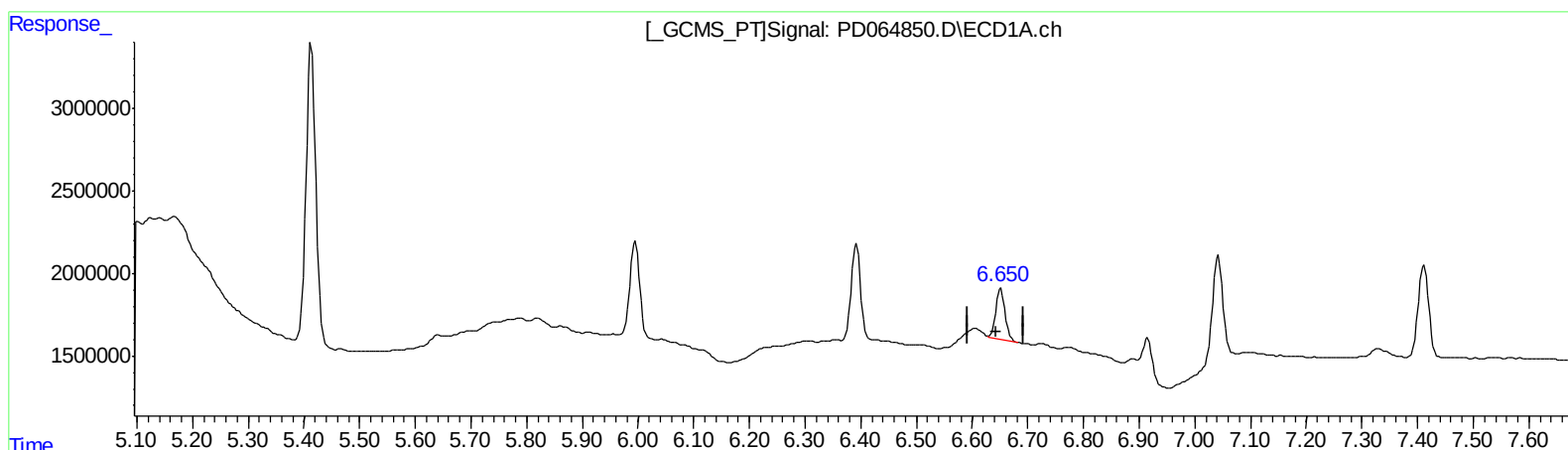
Instrument :
ECD_D
ClientSampleID :
PLCS261

Manual Integrations
APPROVED

mohammad
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Integration File signal 1: autoint1.e
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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



QEdit

(6) beta-BHC (B)

6.650min 4.699 ng/ml m

response 3666051

(6) beta-BHC #2 (B)

6.114min 4.923 ng/ml m

response 29864332

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

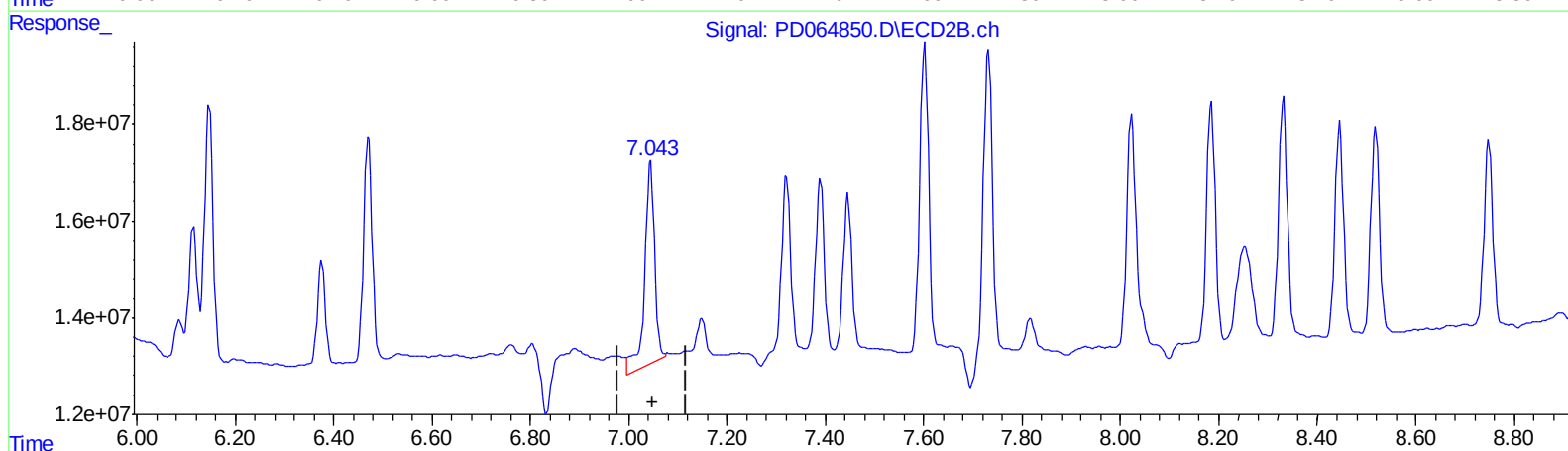
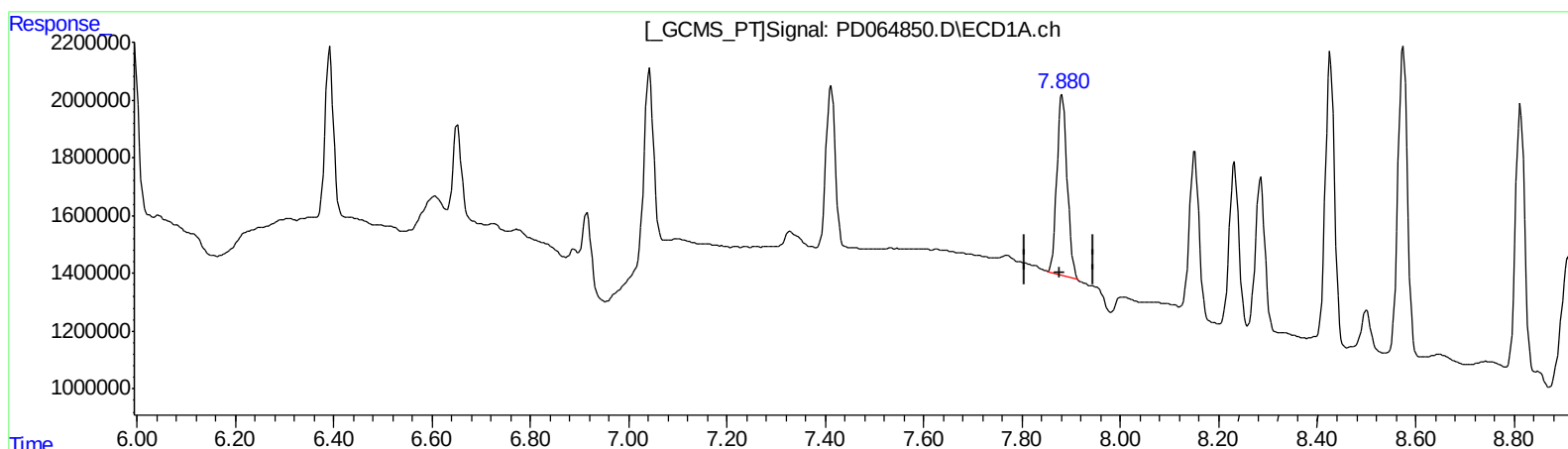
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 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

(8) Heptachlor epoxide (B)

7.882min 5.276 ng/ml

response 9057486

(8) Heptachlor epoxide #2 (B)

7.045min 6.513 ng/ml

response 60286739

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
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Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

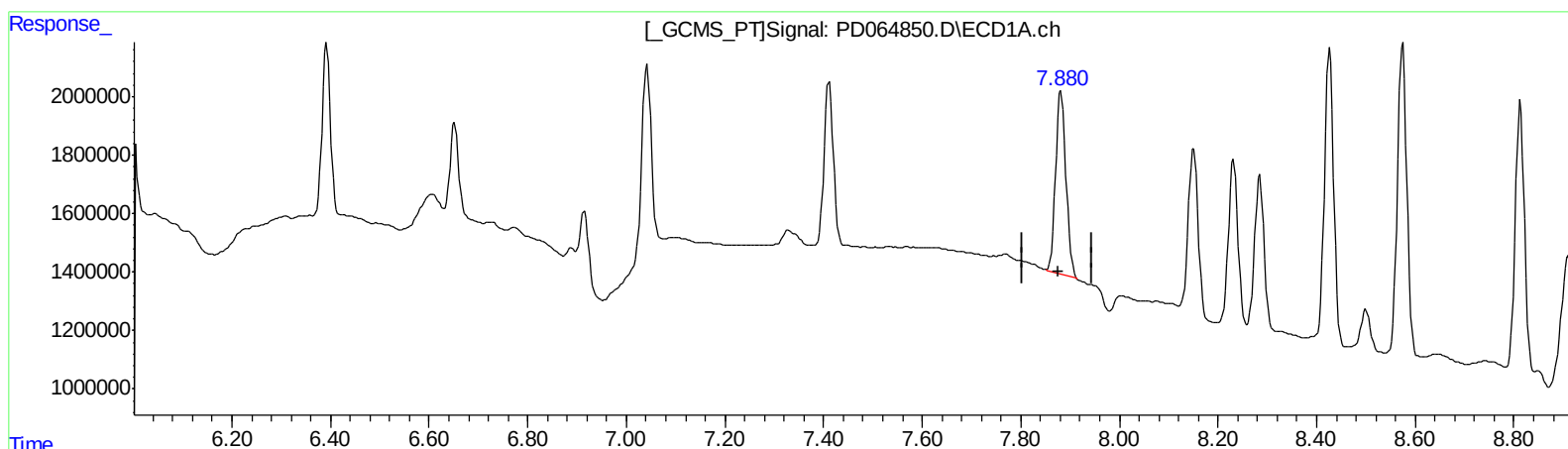
Instrument :
ECD_D
ClientSampleID :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 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



(8) Heptachlor epoxide (B)

7.882min 5.276 ng/ml

response 9057486

(8) Heptachlor epoxide #2 (B)

7.043min 5.360 ng/ml m

response 49620300

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

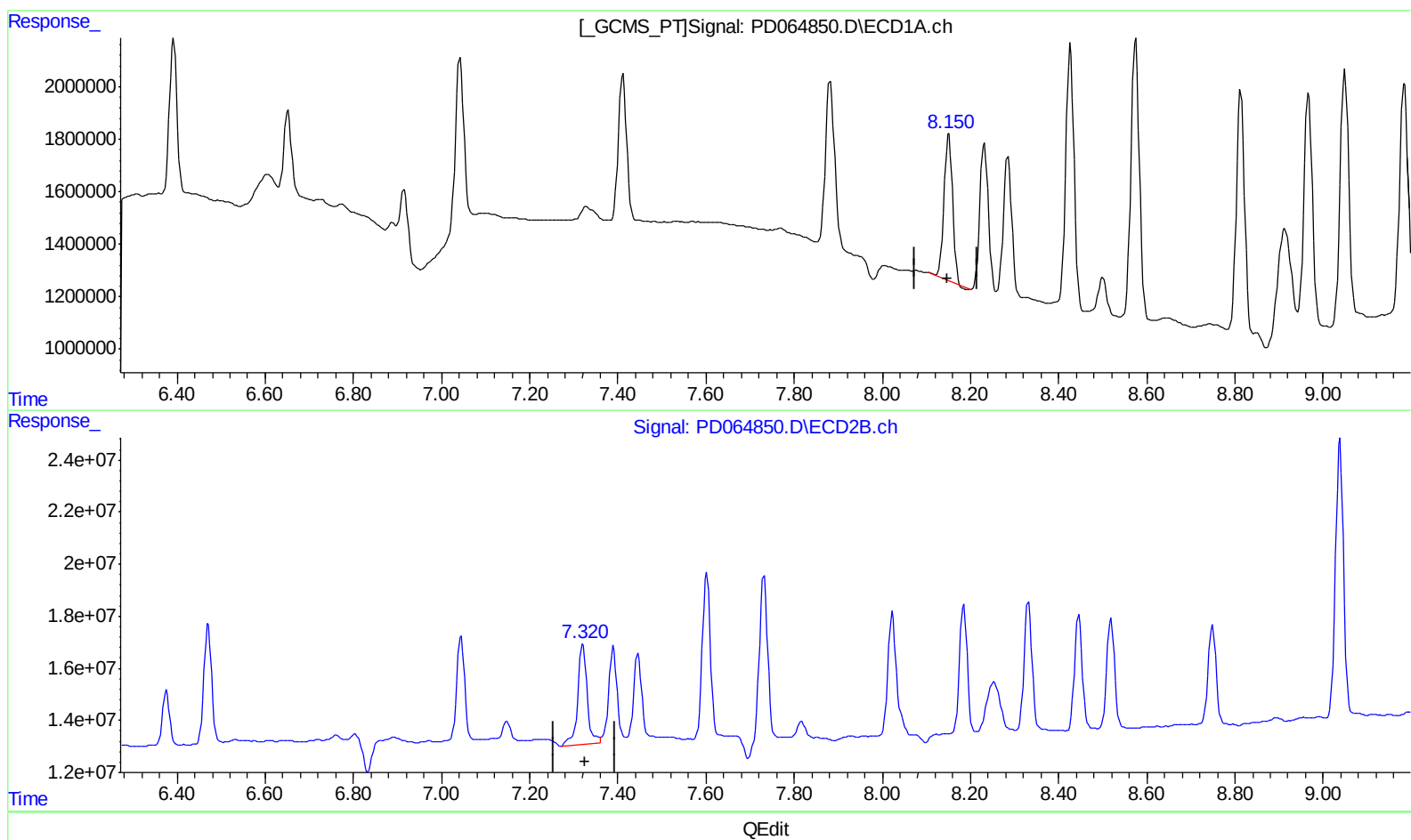
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 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



(10) trans-Chlordane (B)

8.151min 4.771 ng/ml

response 7645909

(10) trans-Chlordane #2 (B)

7.321min 6.301 ng/ml

response 57149365

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
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Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

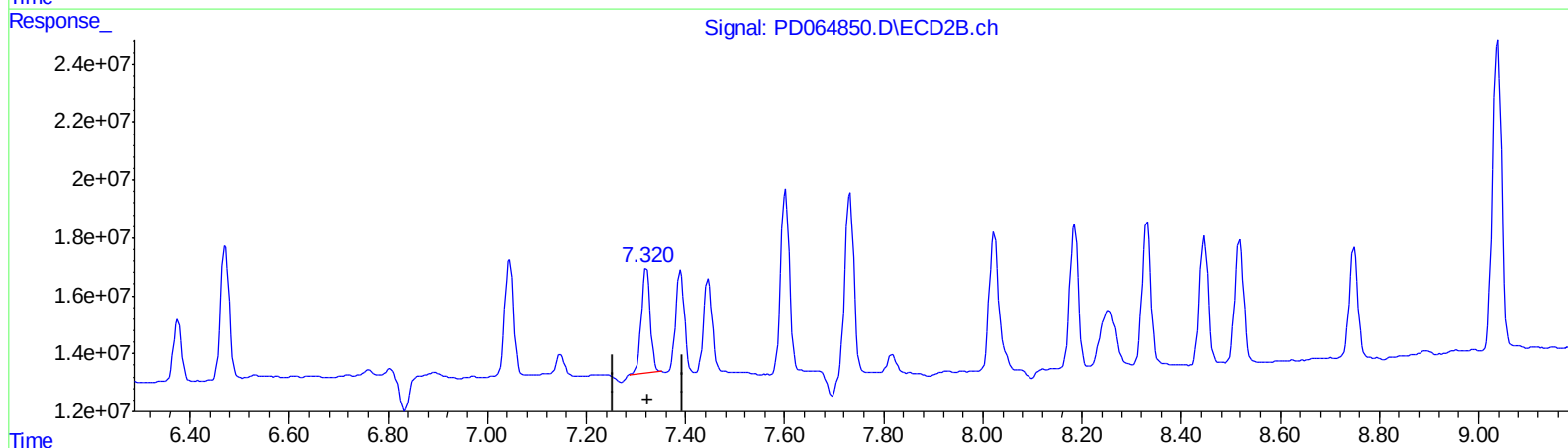
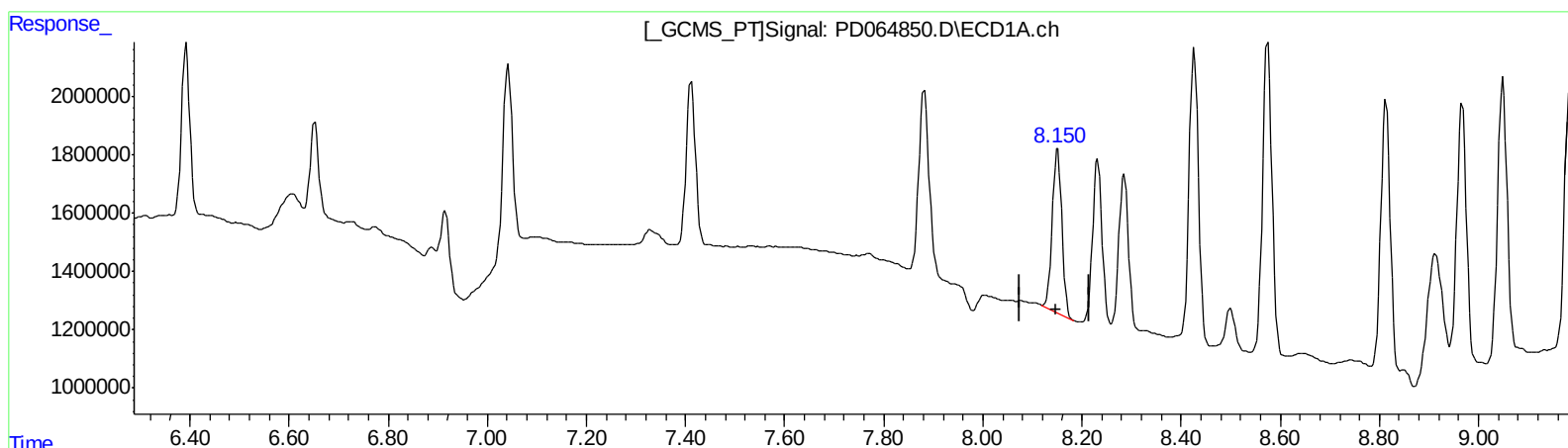
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
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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

(10) trans-Chlordane (B)

8.150min 4.783 ng/ml m

response 7663919

(10) trans-Chlordane #2 (B)

7.320min 5.006 ng/ml m

response 45405854

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

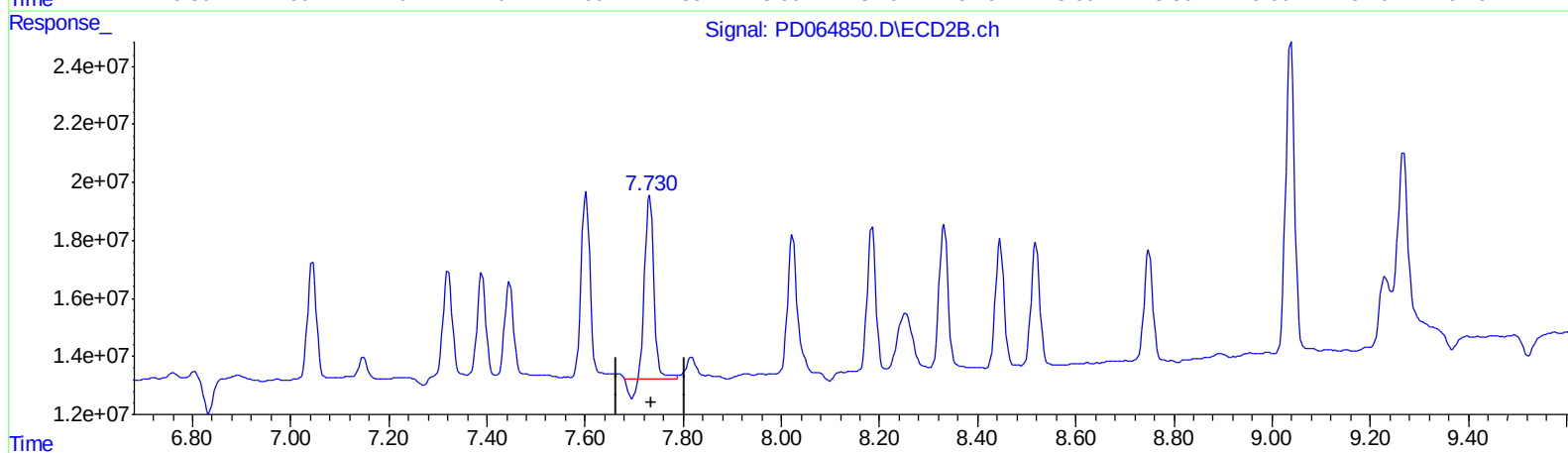
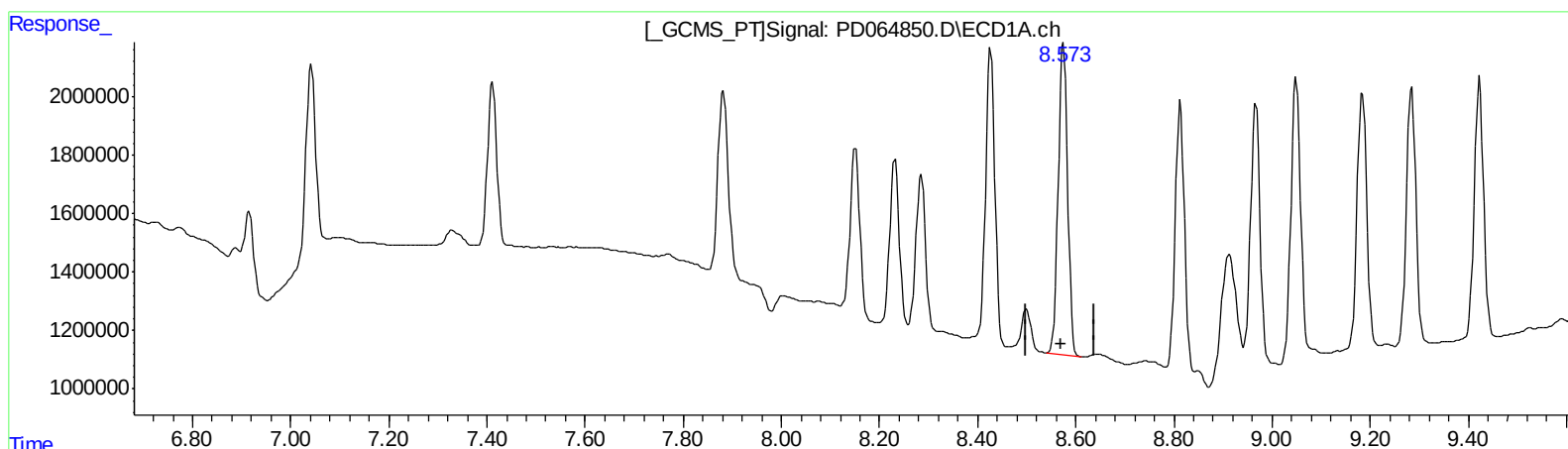
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
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Integration File signal 1: autoint1.e
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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)
8.575min 9.571 ng/ml
response 14272740

(13) Dieldrin #2 (MA)
7.732min 9.472 ng/ml
response 76075666

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

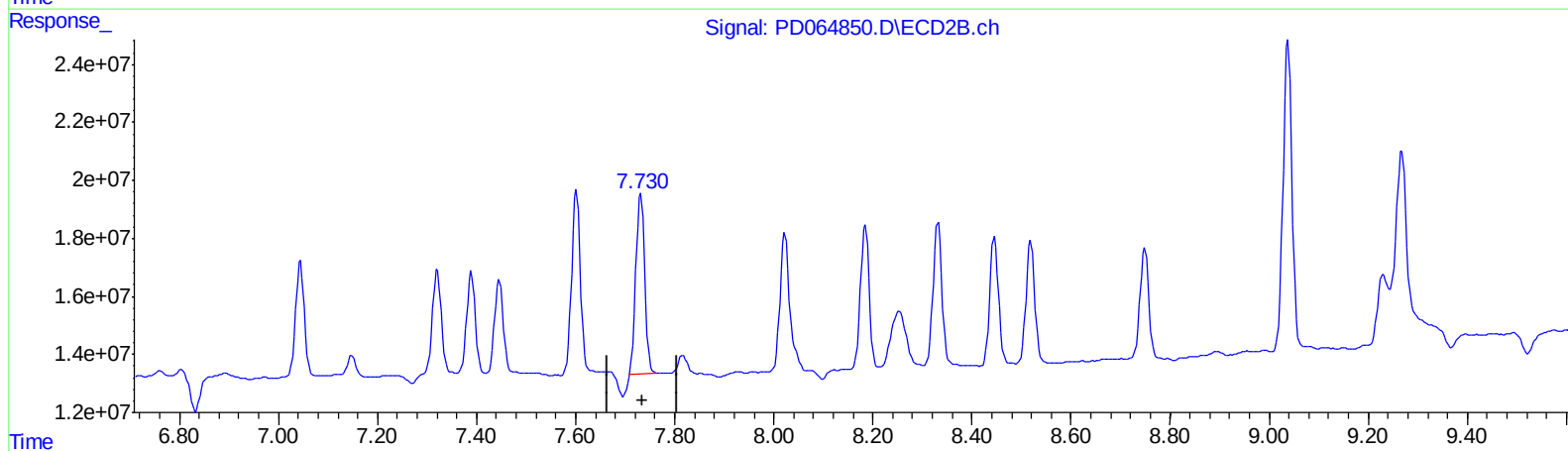
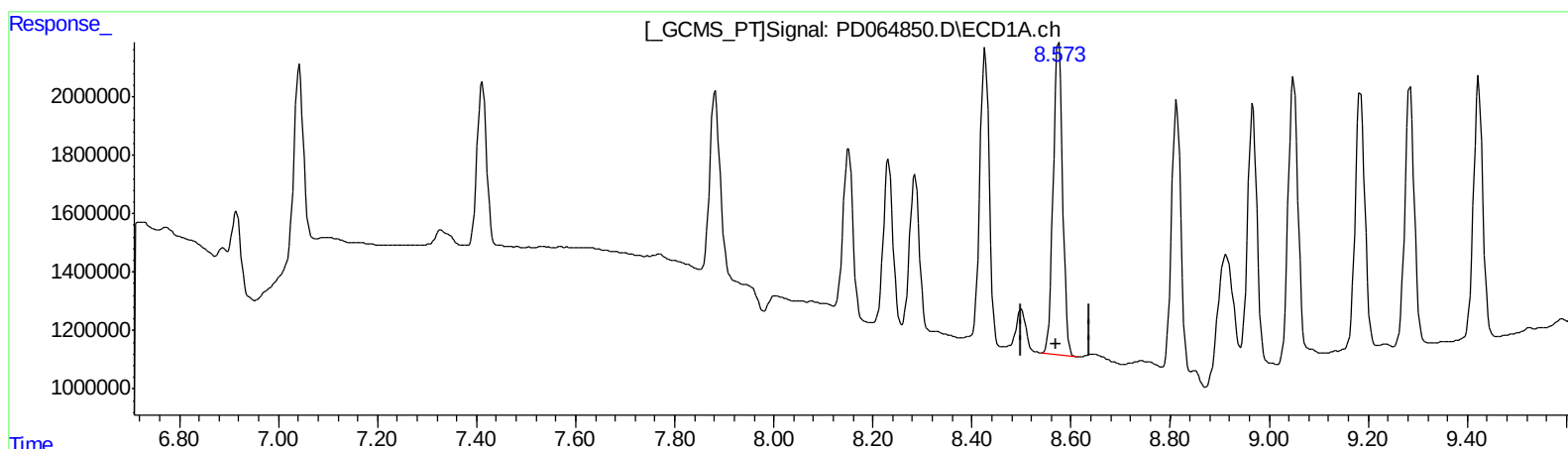
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 08:08:01 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072721CLP.M
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QLast Update : Wed Jul 28 07:07:14 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

(13) Dieldrin (MA)
8.575min 9.571 ng/ml
response 14272740

(13) Dieldrin #2 (MA)
7.730min 9.600 ng/ml m
response 77104865

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

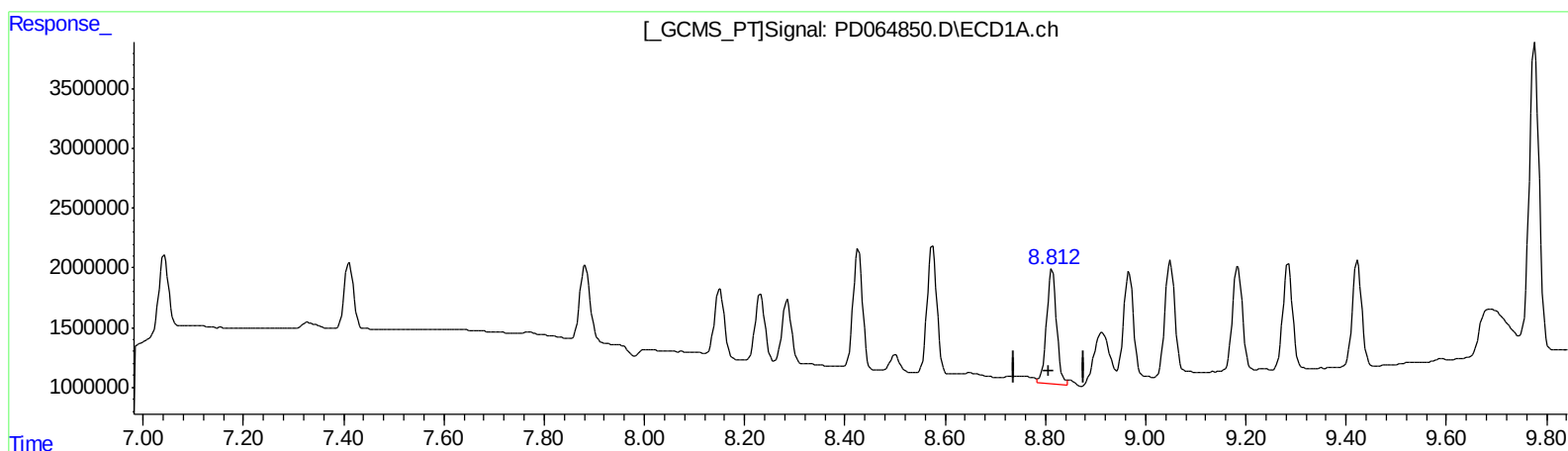
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 PM

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



(14) Endrin (MA)

8.813min 10.389 ng/ml

response 13302130

(14) Endrin #2 (MA)

8.023min 11.324 ng/ml

response 65051124

QEdit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
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Sample : PB138261BS
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ALS Vial : 4 Sample Multiplier: 1

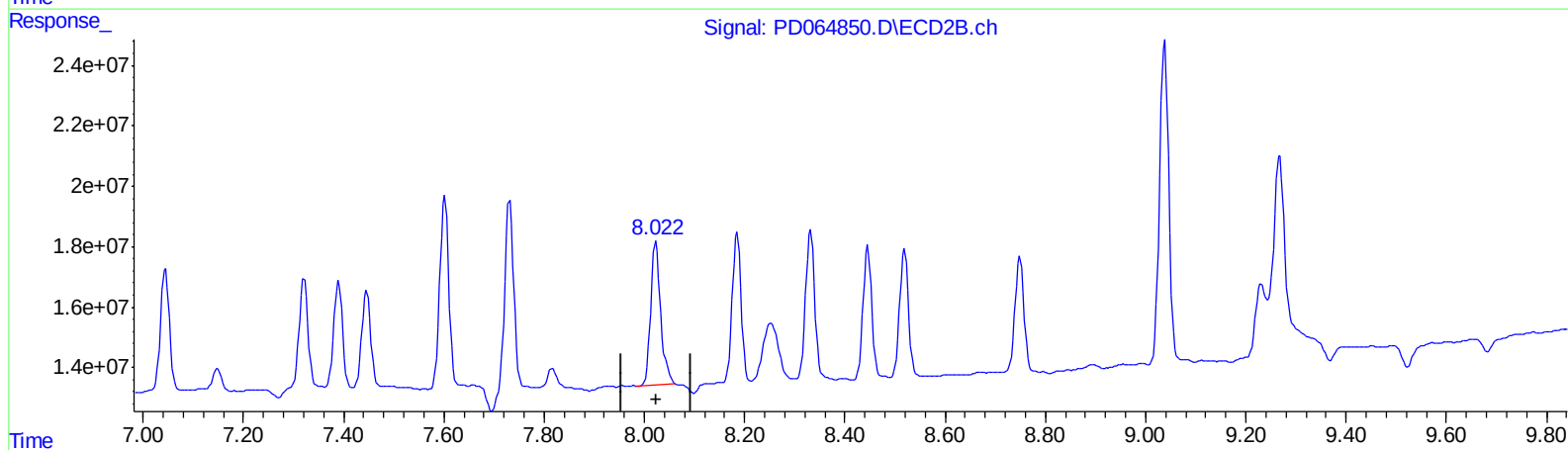
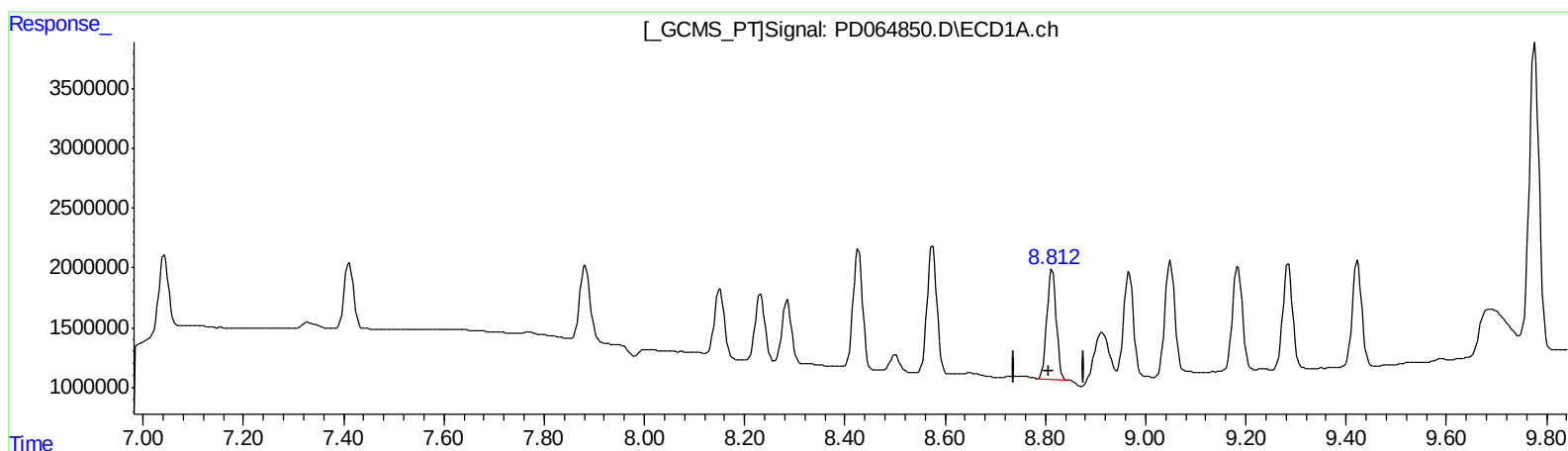
Instrument :
ECD_D
ClientSampleId :
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Manual Integrations
APPROVED

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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



QEdit

(14) Endrin (MA)

8.812min 9.335 ng/ml m

response 11952913

(14) Endrin #2 (MA)

8.023min 11.324 ng/ml

response 65051124

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

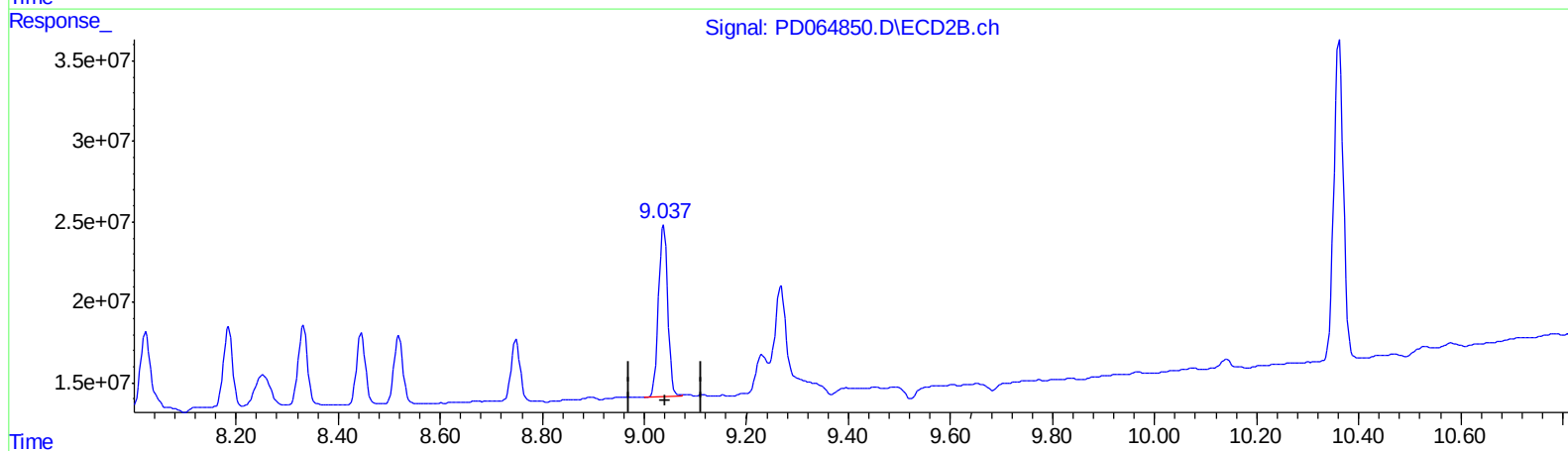
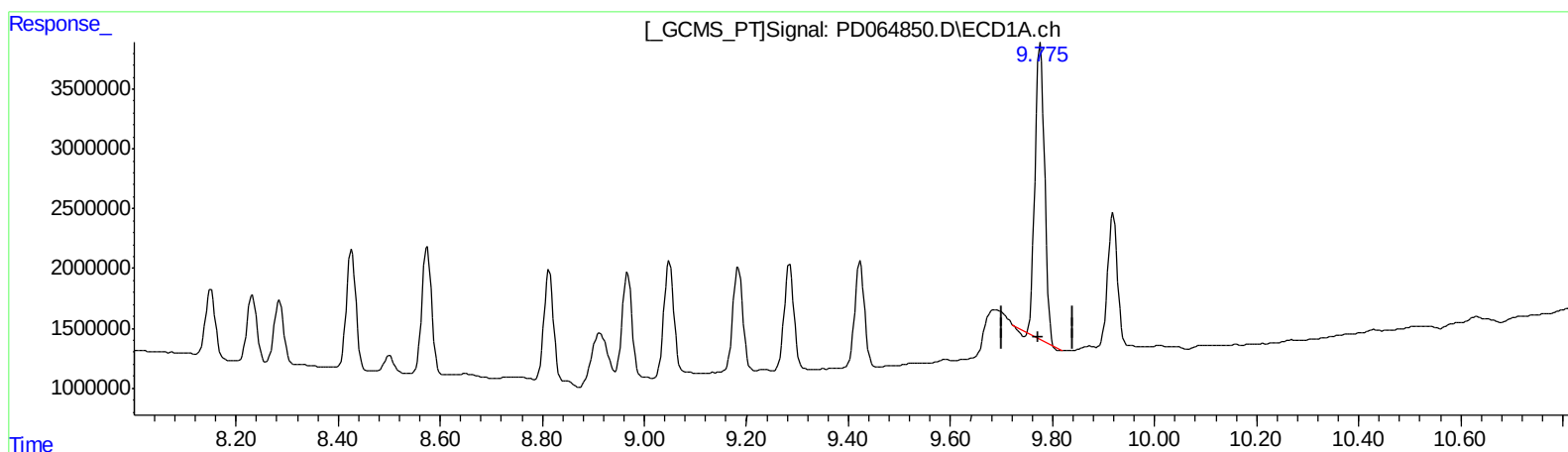
Instrument :
ECD_D
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PLCS261

Manual Integrations
APPROVED

mohammad
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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

(20) Methoxychlor (A)

9.776min 44.684 ng/ml

response 31973848

(20) Methoxychlor #2 (A)

9.038min 53.045 ng/ml

response 135827926

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

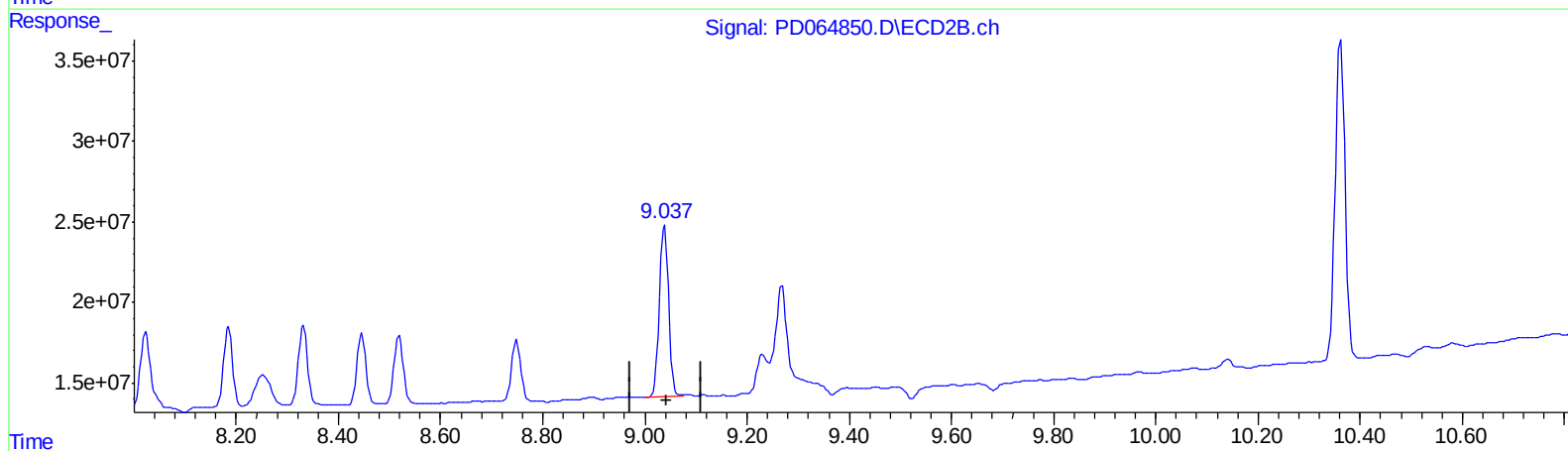
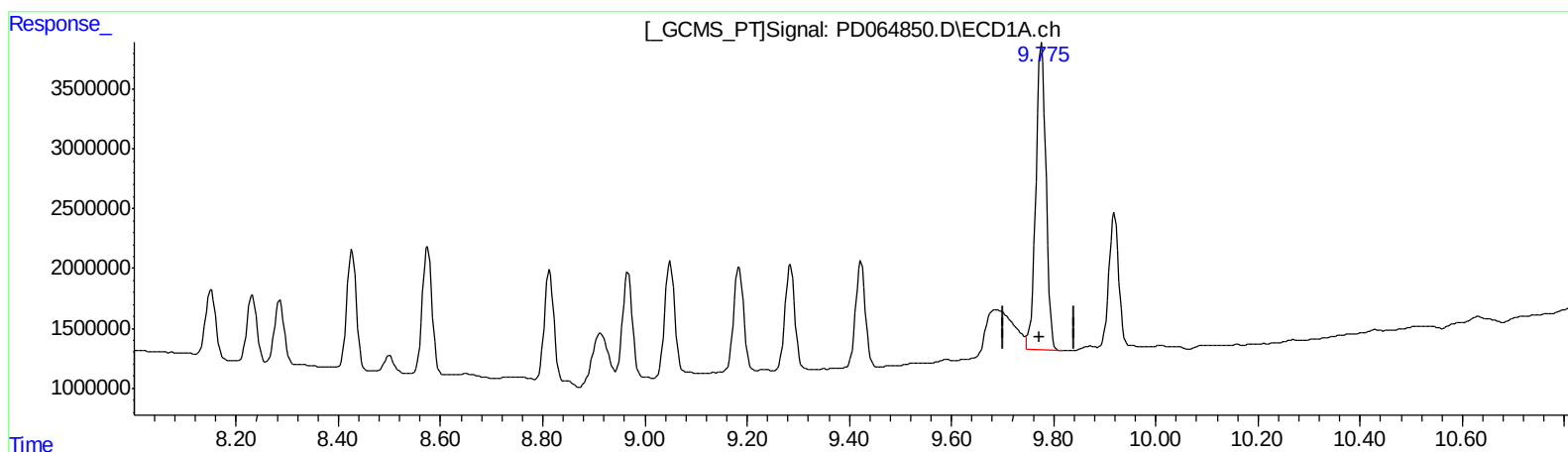
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 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

(20) Methoxychlor (A)
9.775min 49.895 ng/ml m
response 35703314

(20) Methoxychlor #2 (A)
9.038min 53.045 ng/ml
response 135827926

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

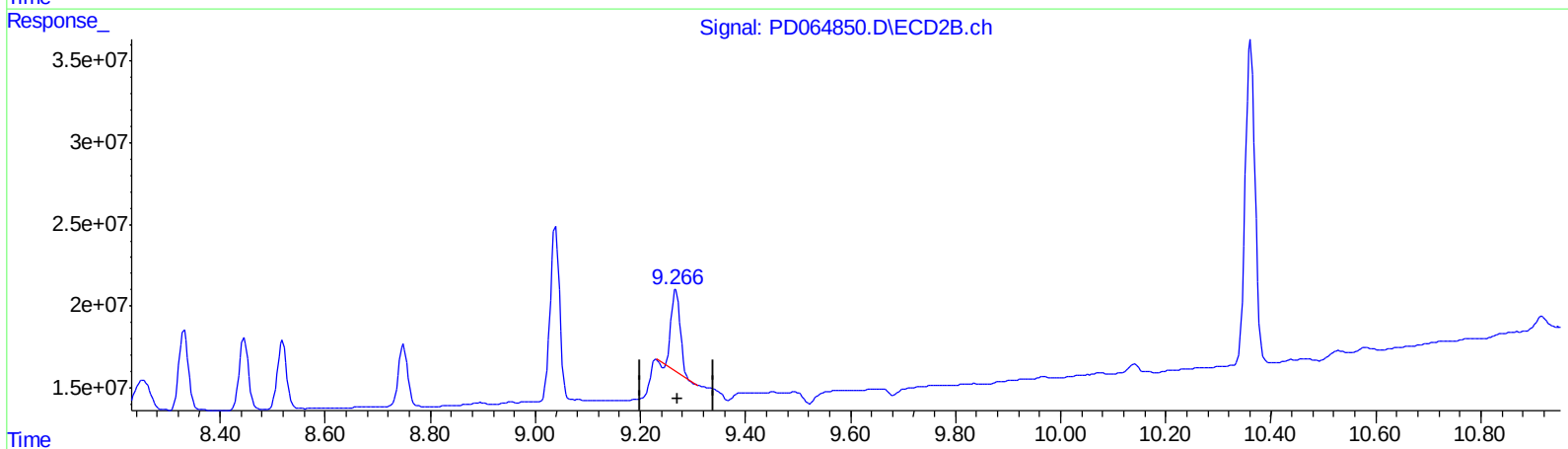
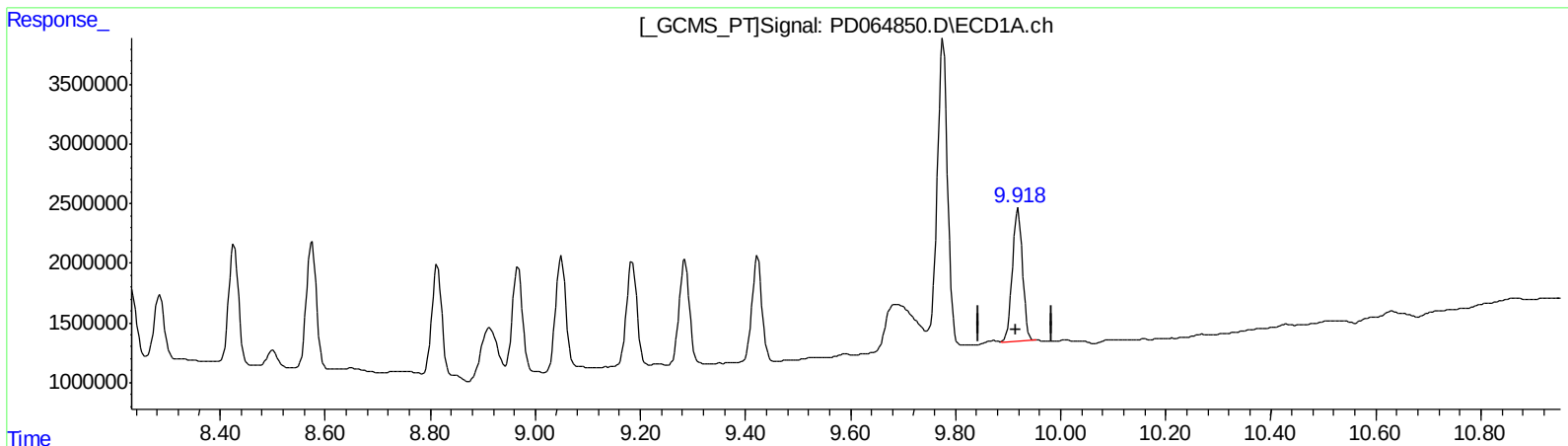
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 PM

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

(21) Endrin ketone (B)

9.919min 9.864 ng/ml

response 14922805

(21) Endrin ketone #2 (B)

9.268min 9.422 ng/ml

response 56515036

(+) = Expected Retention Time

PD072721CLP.M Wed Aug 11 08:16:58 2021

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
Data File : PD064850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Aug 2021 11:10
Operator : AR\AJ
Sample : PB138261BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

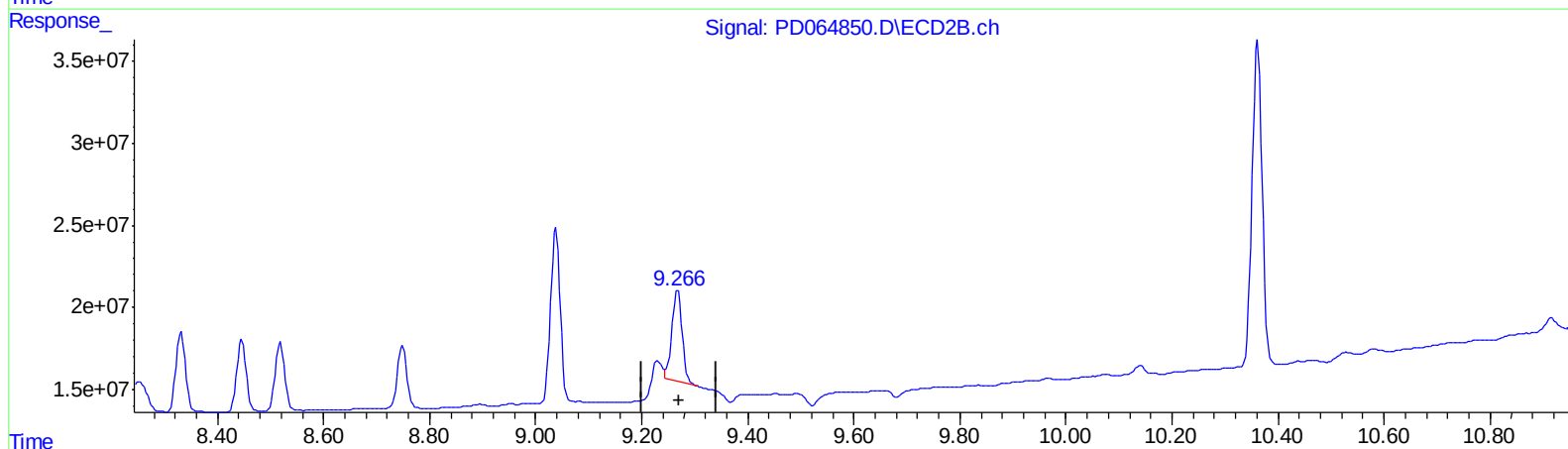
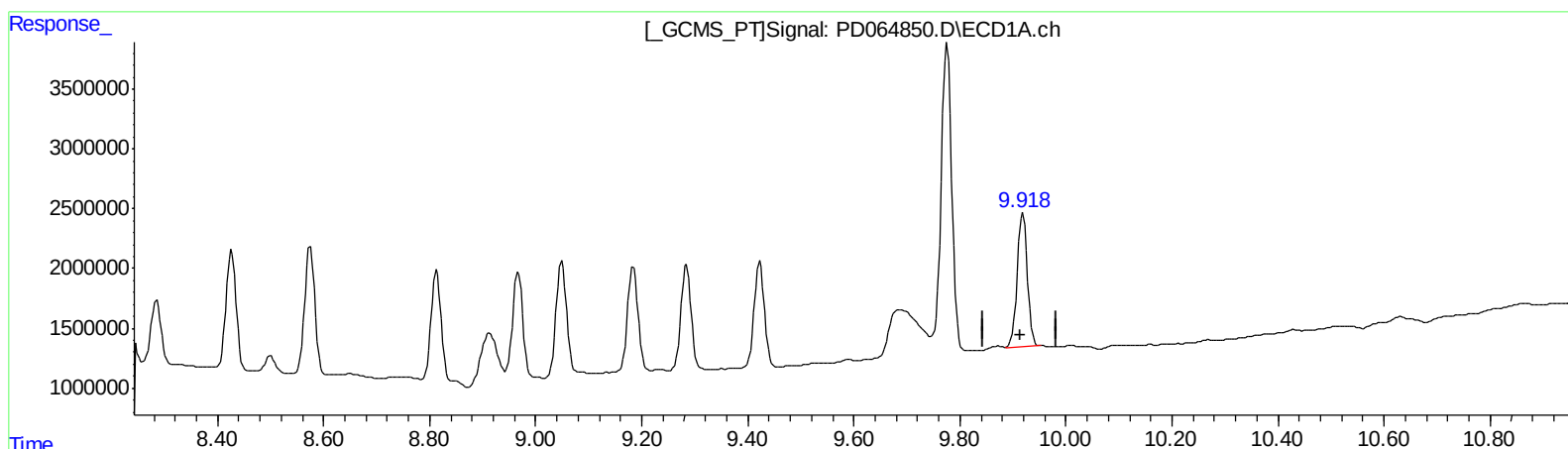
Instrument :
ECD_D
ClientSampleId :
PLCS261

Manual Integrations
APPROVED

mohammad
8/11/2021 2:46:26 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 08:08:01 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

(21) Endrin ketone (B)

9.919min 9.864 ng/ml

response 14922805

(21) Endrin ketone #2 (B)

9.266min 12.408 ng/ml m

response 74426318

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081021\
 Data File : PD064850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Aug 2021 11:10
 Operator : AR\AJ
 Sample : PB138261BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PLCS261

Manual Integrations
 APPROVED

mohammad
 8/11/2021 2:46:26 PM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 08:08:01 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 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...	5.414	4.615	22643496	194.2E6	18.982	21.254
27) SA Decachlor...	11.310	10.362	47404308	260.1E6	36.011	43.734
Target Compounds						
2) A alpha-BHC	5.995	5.317	7818666	67214579	4.799	5.453
3) MA gamma-BHC...	6.392	5.738	6899841	62897808	4.399	5.516 #
4) MA Heptachlor	7.042	6.146	9146411	64867425	5.442	5.721m
5) MB Aldrin	7.412	6.471	7516944	56429796	4.772	5.364
6) B beta-BHC	6.650	6.114	3666051	29864332	4.699m	4.923m
7) B delta-BHC	6.915	6.376	3013021	23773593	1.731	2.188 #
8) B Heptachlo...	7.882	7.043	9057486	49620300	5.276	5.360m
9) A Endosulfan I	8.285	7.446	6953811	41602843	4.933	5.410
10) B trans-Chl...	8.150	7.320	7663919	45405854	4.783m	5.006m
11) B cis-Chlor...	8.232	7.390	7632867	47763974	4.899	5.369
12) B 4,4'-DDE	8.427	7.602	13319165	78924802	9.241	10.460
13) MA Dieldrin	8.575	7.730	14272740	77104865	9.571	9.600m
14) MA Endrin	8.812	8.023	11952913	65051124	9.335m	11.324
15) B Endosulfa...	9.049	8.332	12998525	62075774	10.010	10.754
16) A 4,4'-DDD	8.967	8.185	12968140	59803196	10.564	10.383
17) MA 4,4'-DDT	9.285	8.446	11583503	53974316	8.873	9.805
18) B Endrin al...	9.184	8.519	12051261	52185576	10.637	10.574
19) B Endosulfa...	9.423	8.749	11864131	47099185	8.609	8.738
20) A Methoxychlor	9.775	9.038	35703314	135.8E6	49.895m	53.045
21) B Endrin ke...	9.919	9.266	14922805	74426318	9.864	12.408m#

AT
 08/11/21

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