

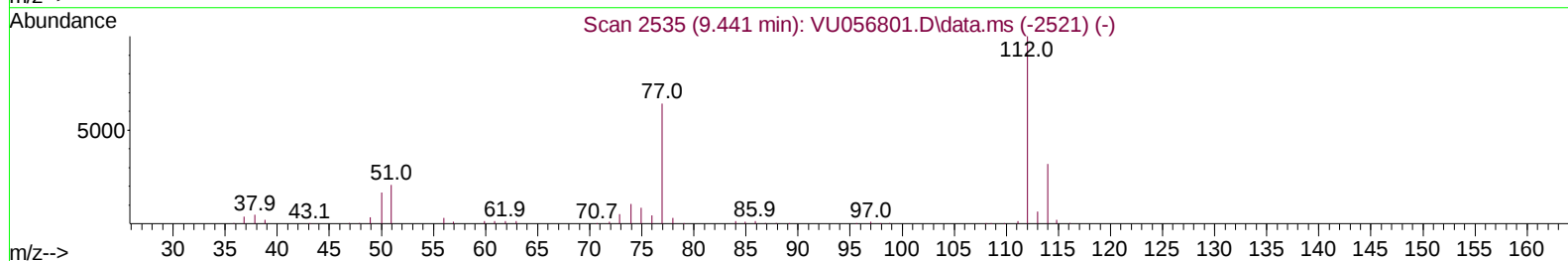
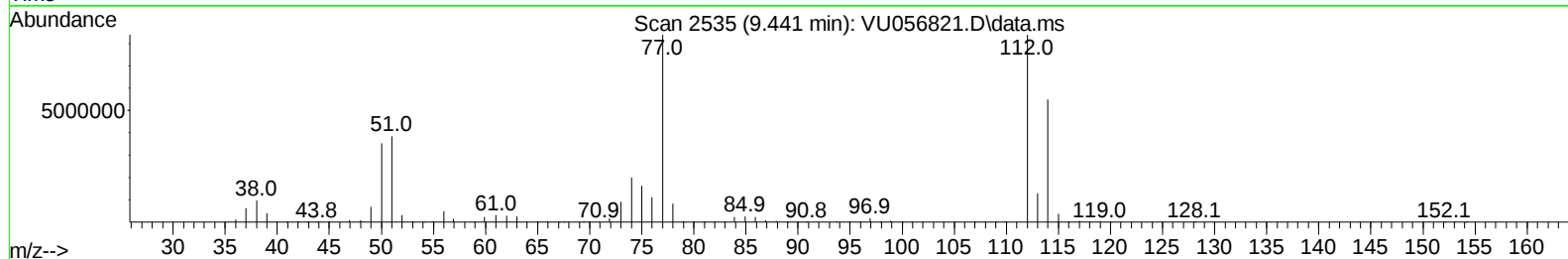
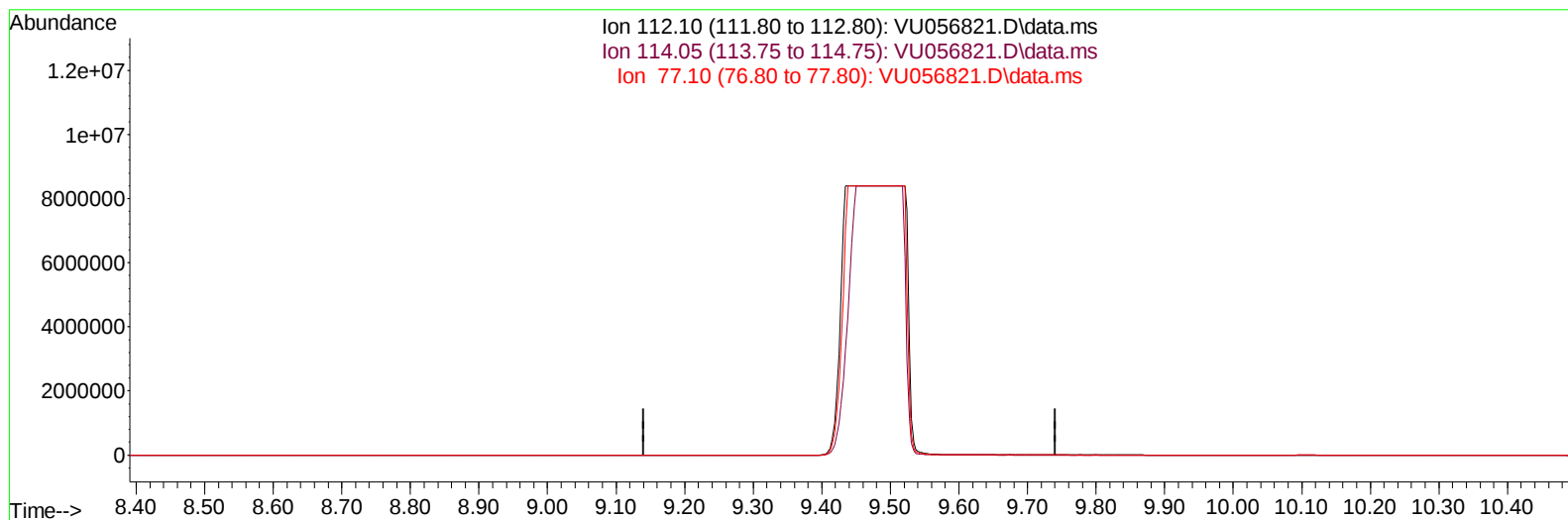
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
Data File : VU056821.D
Acq On : 13 Dec 2023 06:38
Operator : MD/SY
Sample : 05684-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E06J1

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

Quant Time: Dec 13 07:04:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 01:32:29 2023
Response via : Initial Calibration



TIC: VU056821.D\data.ms

(51) Chlorobenzene (T)

9.441min (-9.441) 0.00 ug/L

response 0

Ion	Exp%	Act%
112.10	100.00	0.00
114.05	31.30	0.00#
77.10	64.50	0.00#
0.00	0.00	0.00

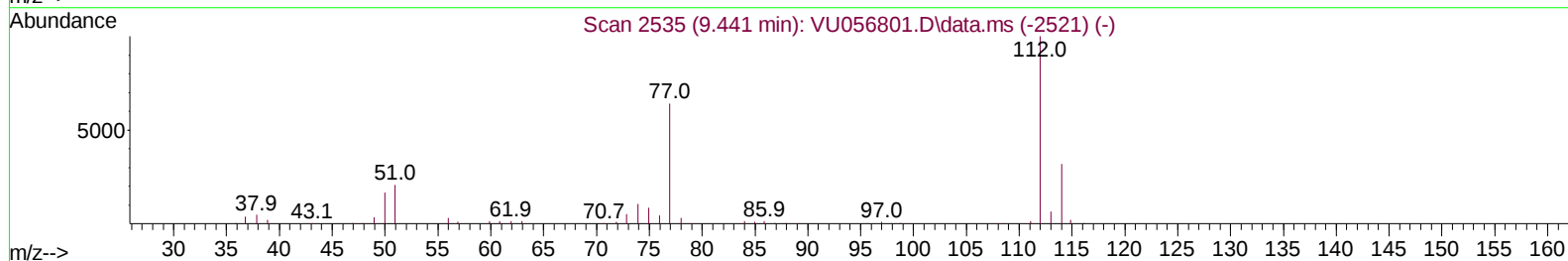
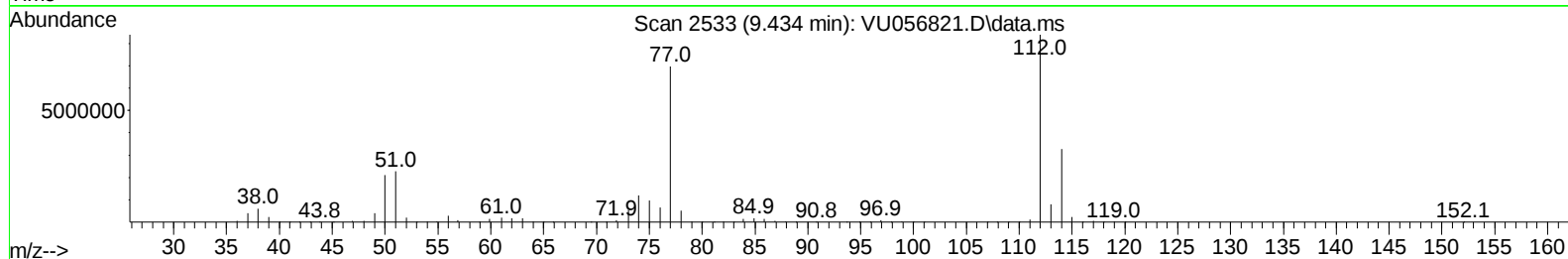
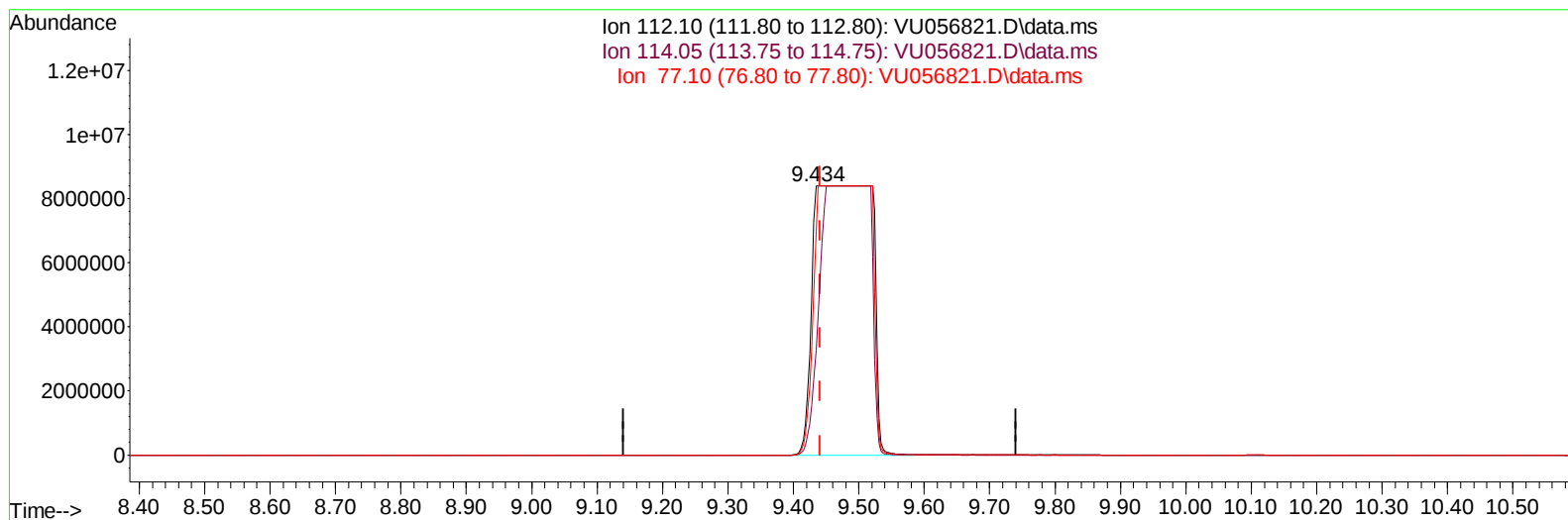
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056821.D
 Acq On : 13 Dec 2023 06:38
 Operator : MD/SY
 Sample : 05684-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1

Manual IntegrationsAPPROVED

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TIC: VU056821.D\data.ms

(51) Chlorobenzene (T)

9.434min (-0.006) 911.20 ug/L m

response 51550190

Ion	Exp%	Act%
112.10	100.00	100.00
114.05	31.30	39.11
77.10	64.50	83.15#
0.00	0.00	0.00

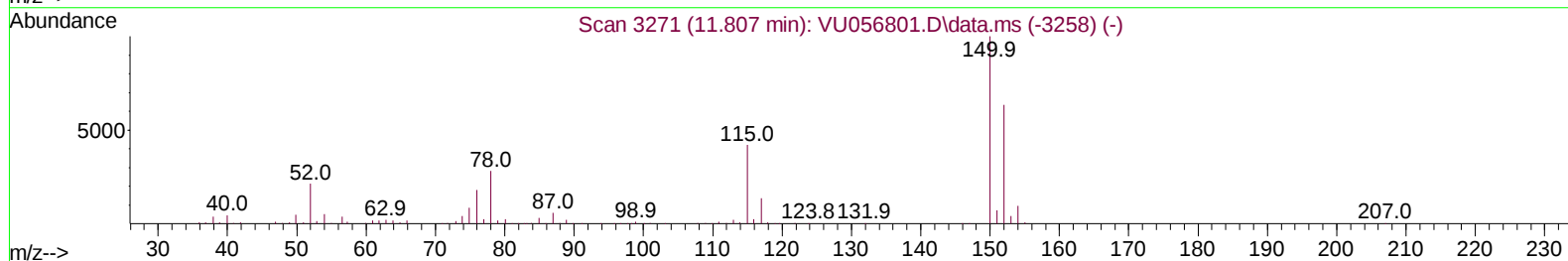
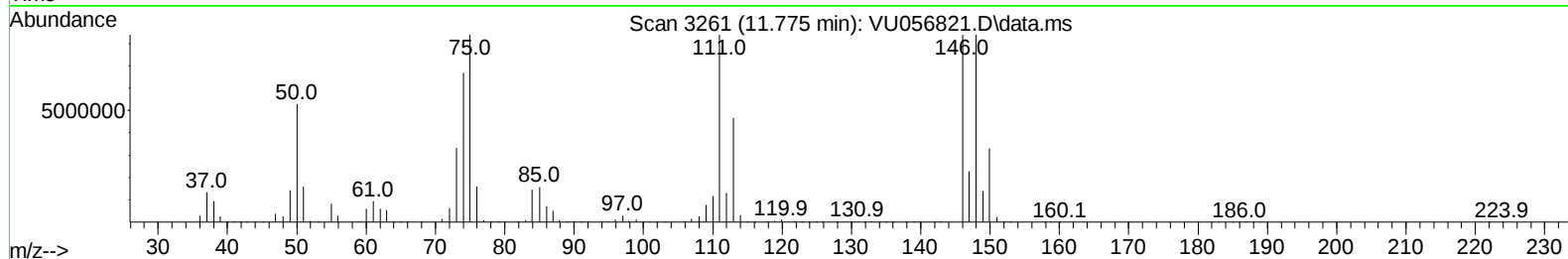
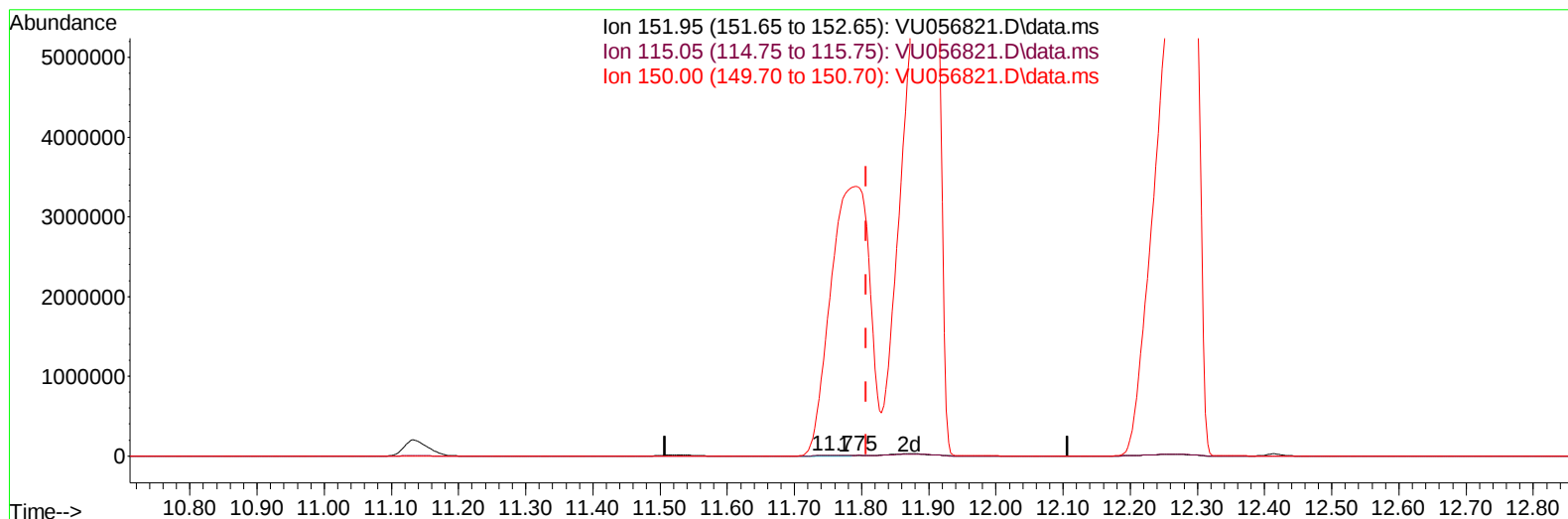
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
Data File : VU056821.D
Acq On : 13 Dec 2023 06:38
Operator : MD/SY
Sample : 05684-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
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TIC: VU056821.D\data.ms

(58) 1,4-Dichlorobenzene-d4 (I)

11.775min (-0.032) 5.00 ug/L

response 14484

Ion	Exp%	Act%
151.95	100.00	100.00
115.05	65.80	133.33#
150.00	171.40	94948.78#
0.00	0.00	0.00

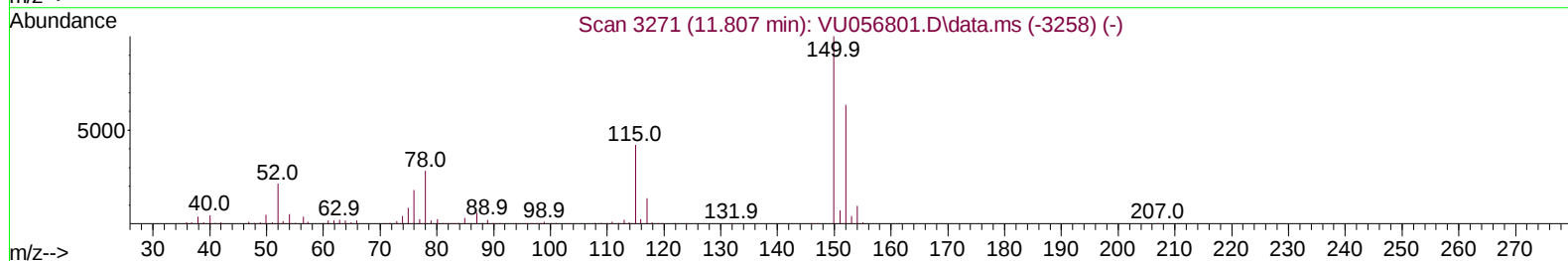
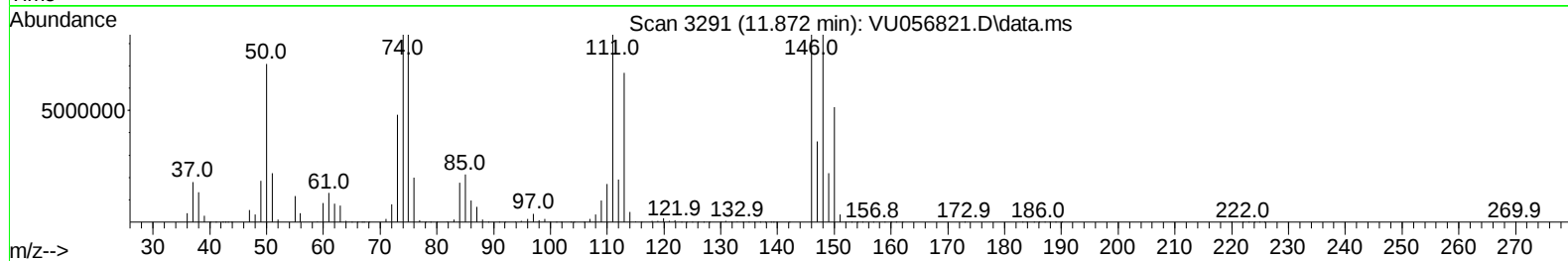
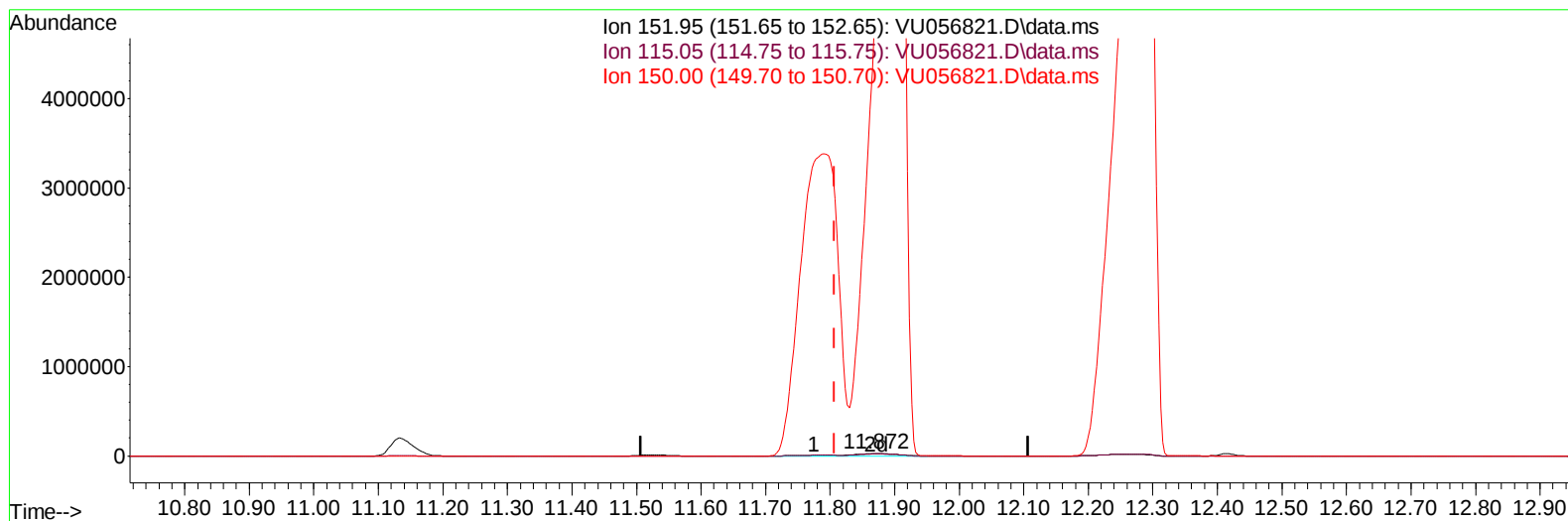
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
Data File : VU056821.D
Acq On : 13 Dec 2023 06:38
Operator : MD/SY
Sample : 05684-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E06J1

Manual IntegrationsAPPROVED

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Response via : Initial Calibration



TIC: VU056821.D\data.ms

(58) 1,4-Dichlorobenzene-d4 (I)

11.872min (+ 0.064) 5.00 ug/L m

response 143805

Ion	Exp%	Act%
151.95	100.00	100.00
115.05	65.80	13.43
150.00	171.40	9563.22#
0.00	0.00	0.00

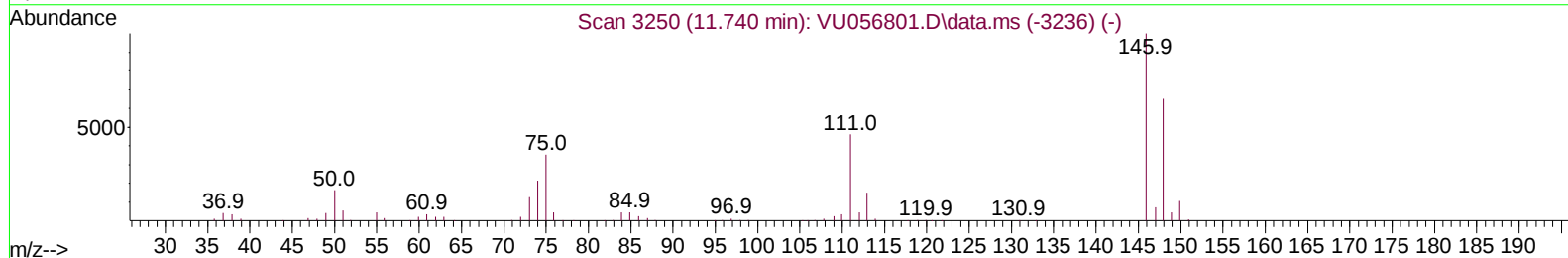
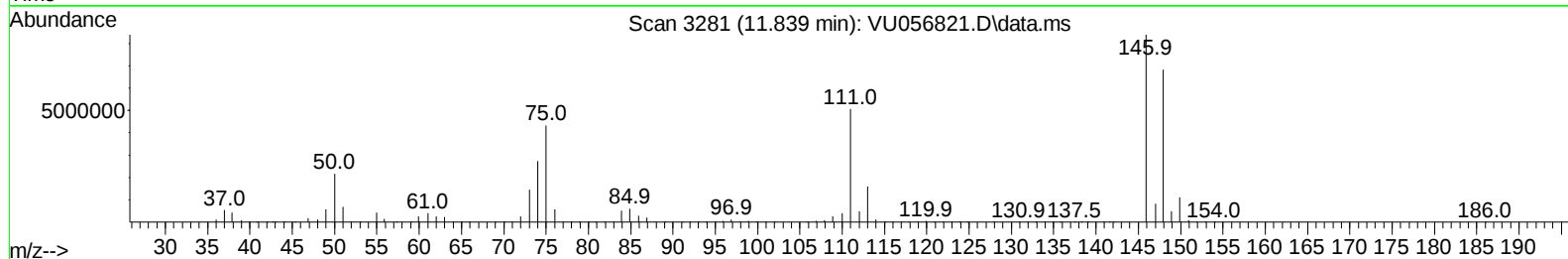
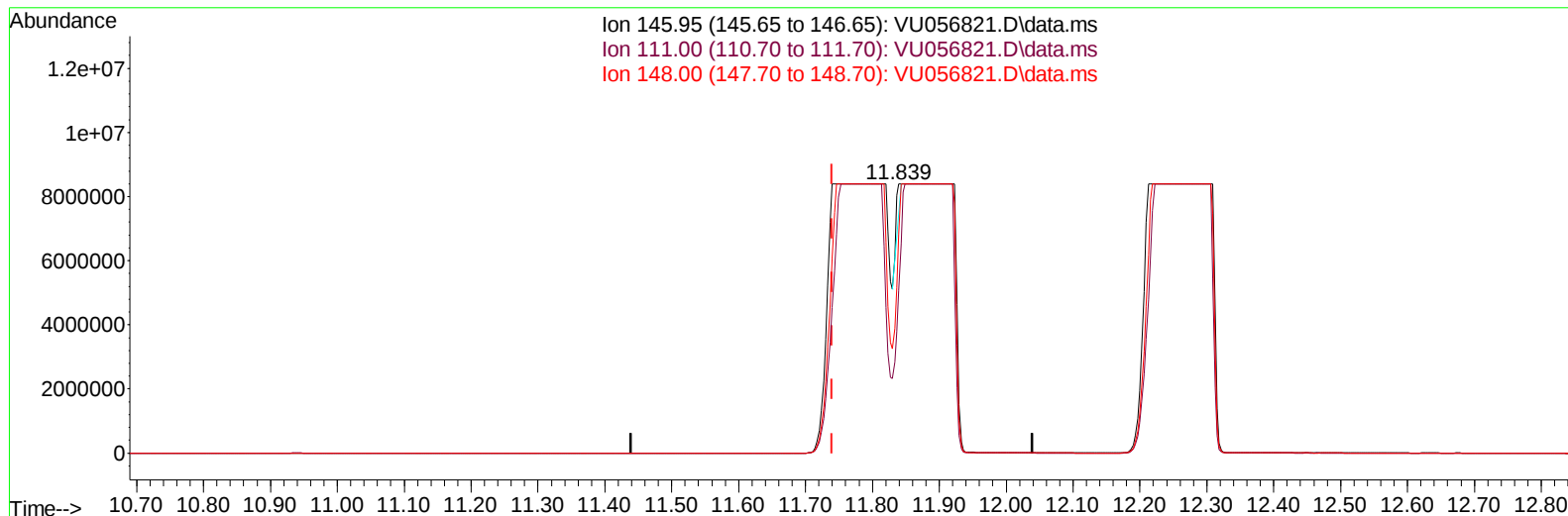
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Data File : VU056821.D
Acq On : 13 Dec 2023 06:38
Operator : MD/SY
Sample : 05684-05
Misc : 25.0mL/MSVOA_U/WATER
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MSVOA_U
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TIC: VU056821.D\data.ms

(64) 1,3-Dichlorobenzene (T)

11.839min (+ 0.100) 14.07 ug/L

response 756147

Ion	Exp%	Act%
145.95	100.00	100.00
111.00	45.30	60.39#
148.00	63.30	81.31
0.00	0.00	0.00

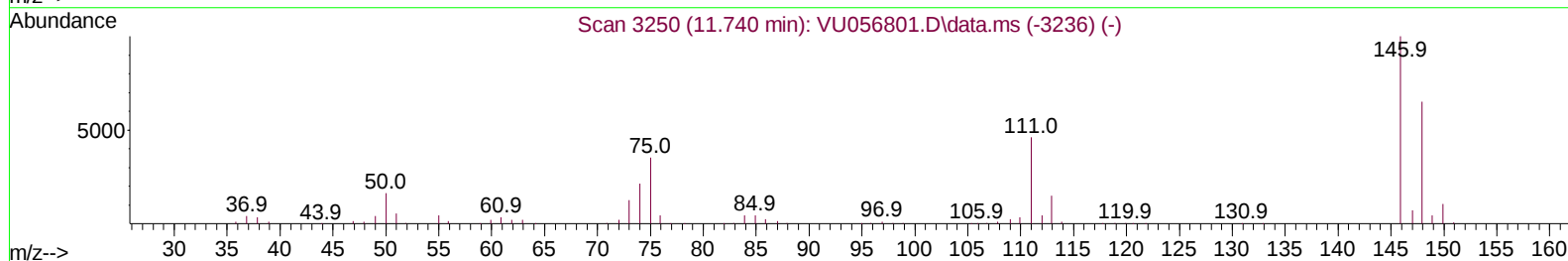
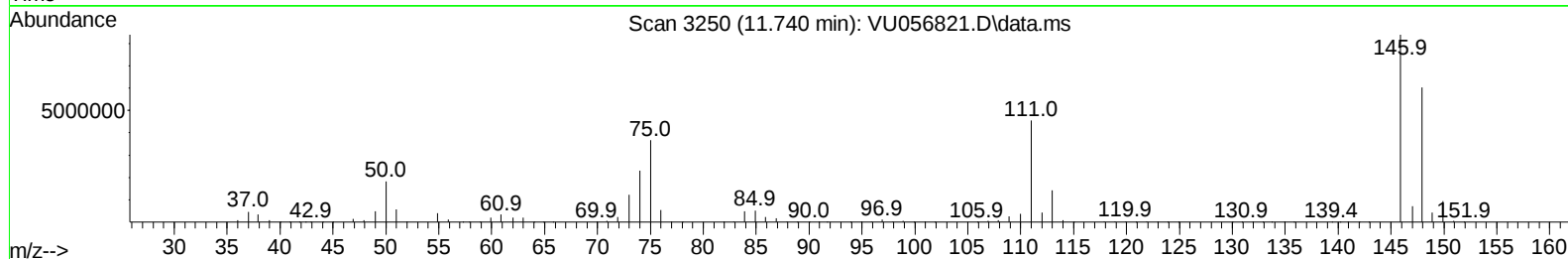
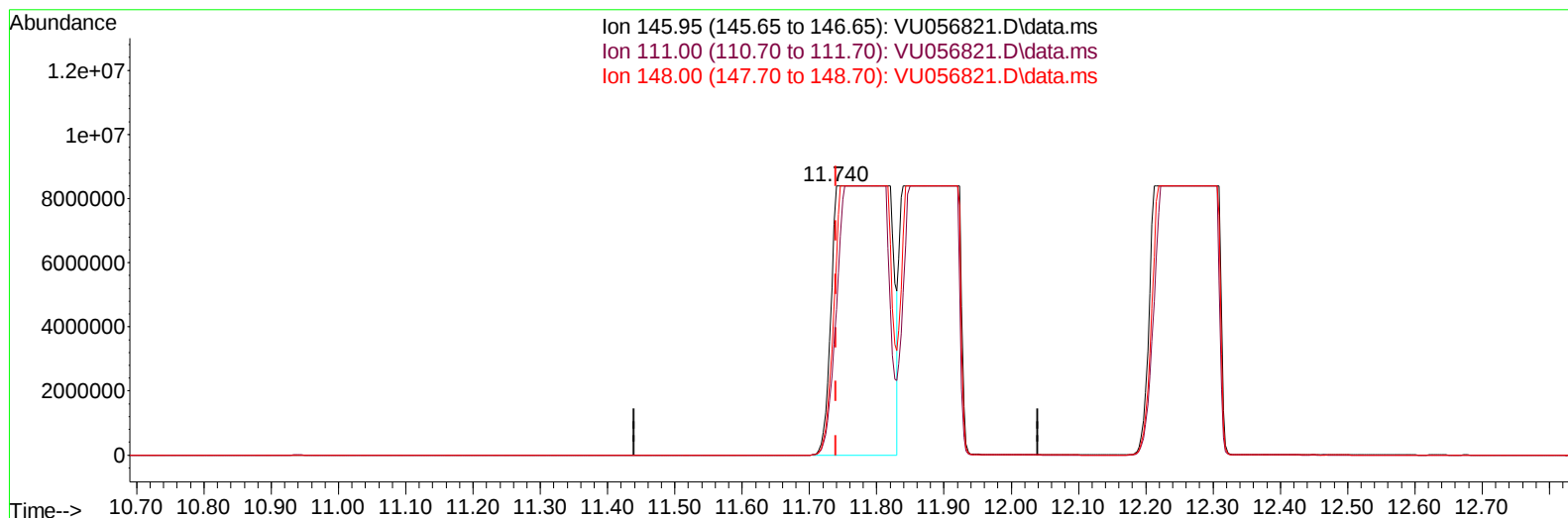
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 Data File : VU056821.D
 Acq On : 13 Dec 2023 06:38
 Operator : MD/SY
 Sample : 05684-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

Quant Time: Dec 13 07:04:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration



TIC: VU056821.D\data.ms

(64) 1,3-Dichlorobenzene (T)

11.740min (+ 0.000) 920.06 ug/L m

response 49449474

Ion	Exp%	Act%
145.95	100.00	100.00
111.00	45.30	54.21
148.00	63.30	71.93
0.00	0.00	0.00

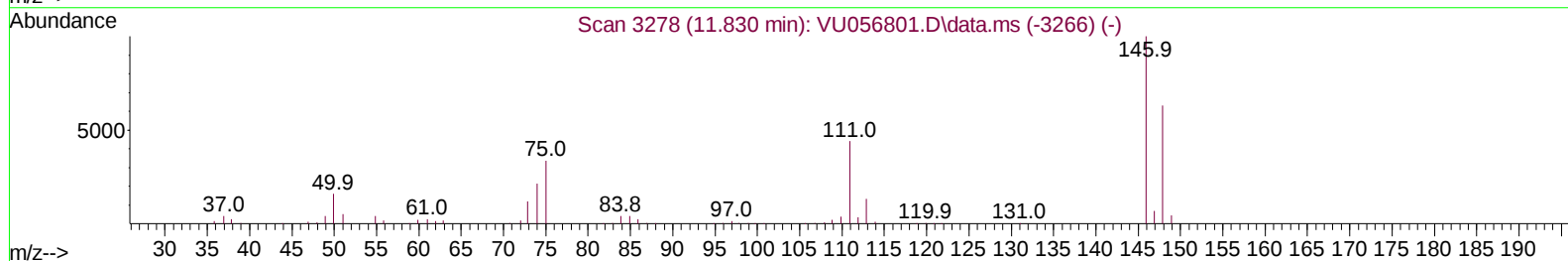
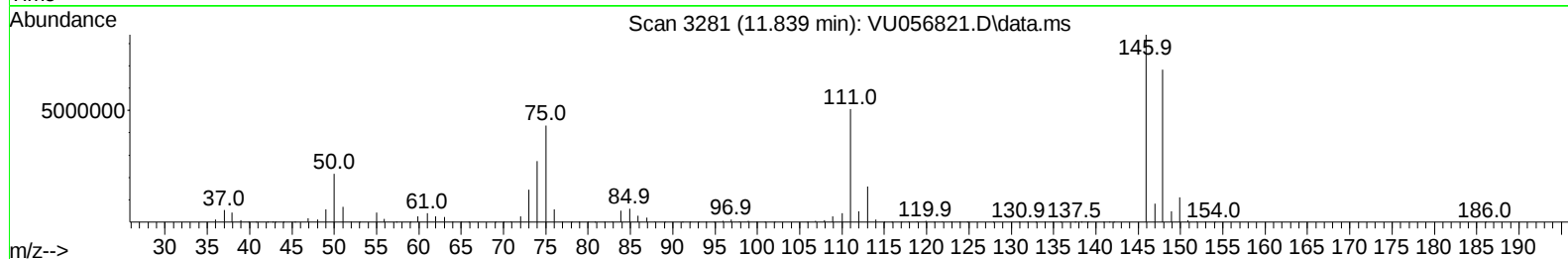
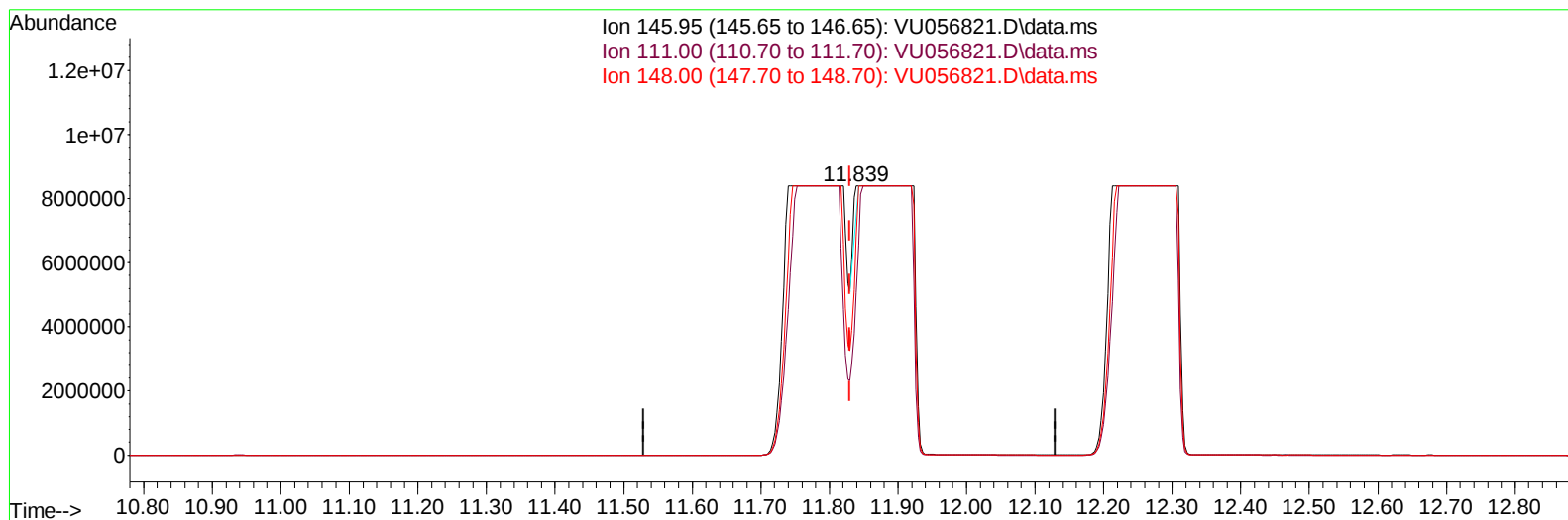
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
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 Acq On : 13 Dec 2023 06:38
 Operator : MD/SY
 Sample : 05684-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1

Manual IntegrationsAPPROVED

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Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023



TIC: VU056821.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.839min (+ 0.010) 14.29 ug/L

response 756147

Ion	Exp%	Act%
145.95	100.00	100.00
111.00	44.60	60.39#
148.00	65.20	81.31
0.00	0.00	0.00

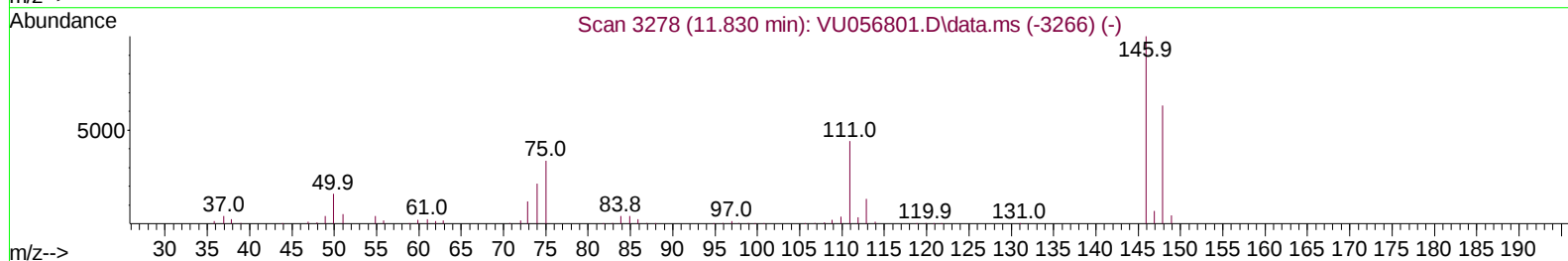
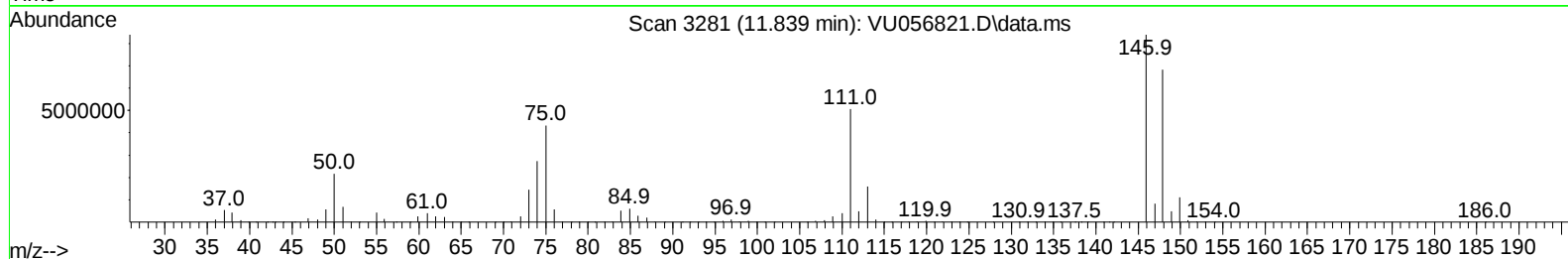
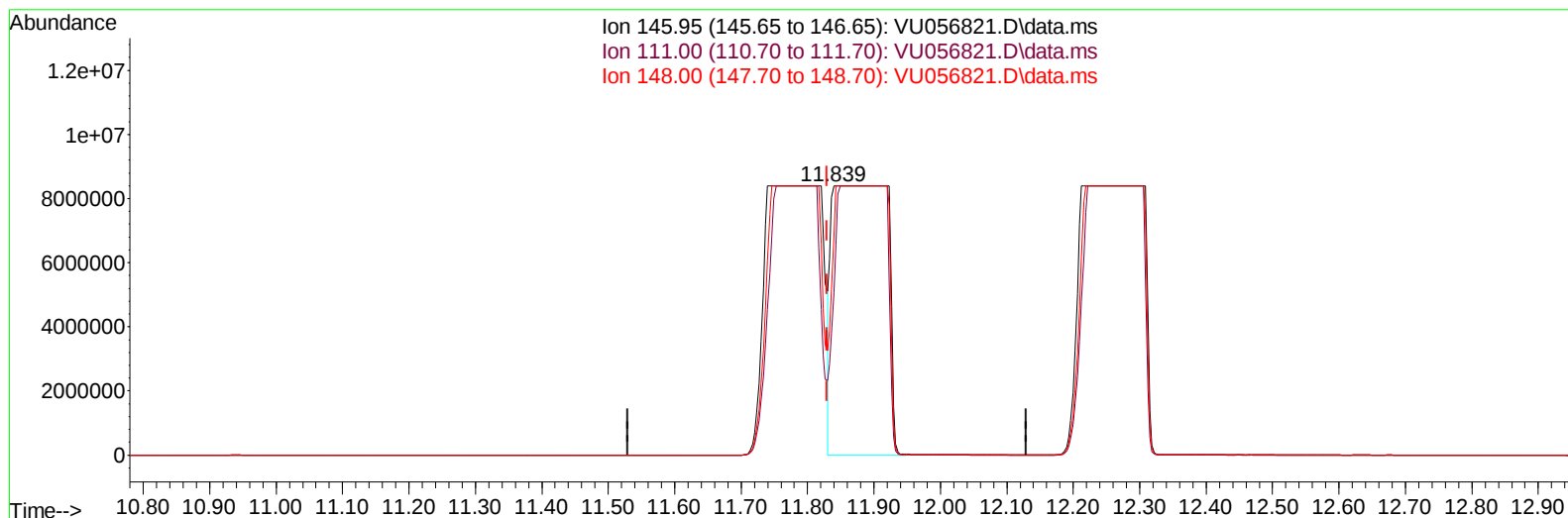
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056821.D
 Acq On : 13 Dec 2023 06:38
 Operator : MD/SY
 Sample : 05684-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1

Manual IntegrationsAPPROVED

Quant Time: Dec 13 07:04:32 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023



TIC: VU056821.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.839min (+ 0.010) 901.70 ug/L m

response 47719444

Ion	Exp%	Act%
145.95	100.00	100.00
111.00	44.60	60.39#
148.00	65.20	81.31
0.00	0.00	0.00

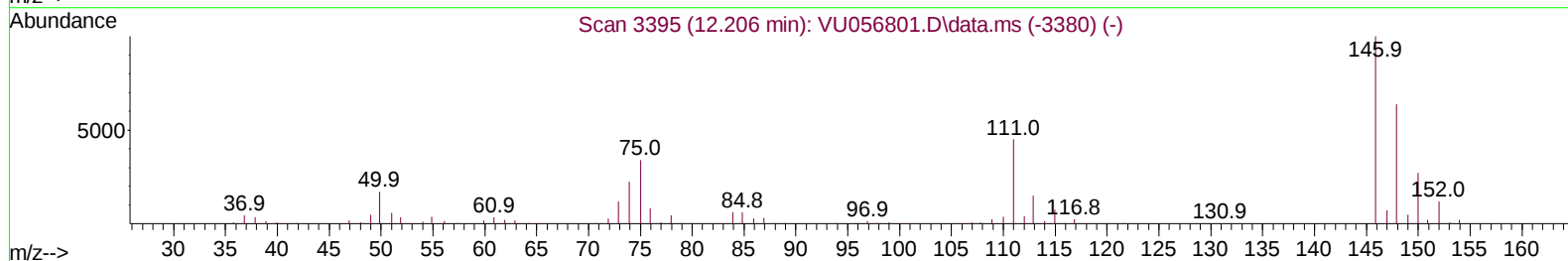
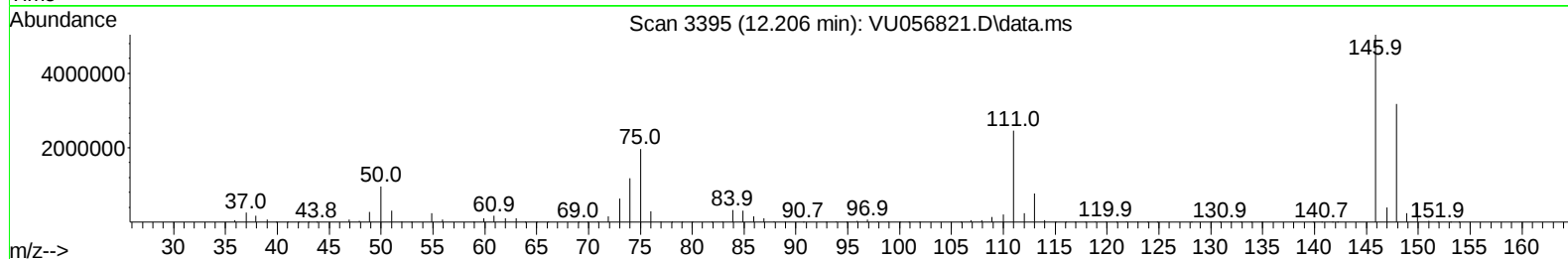
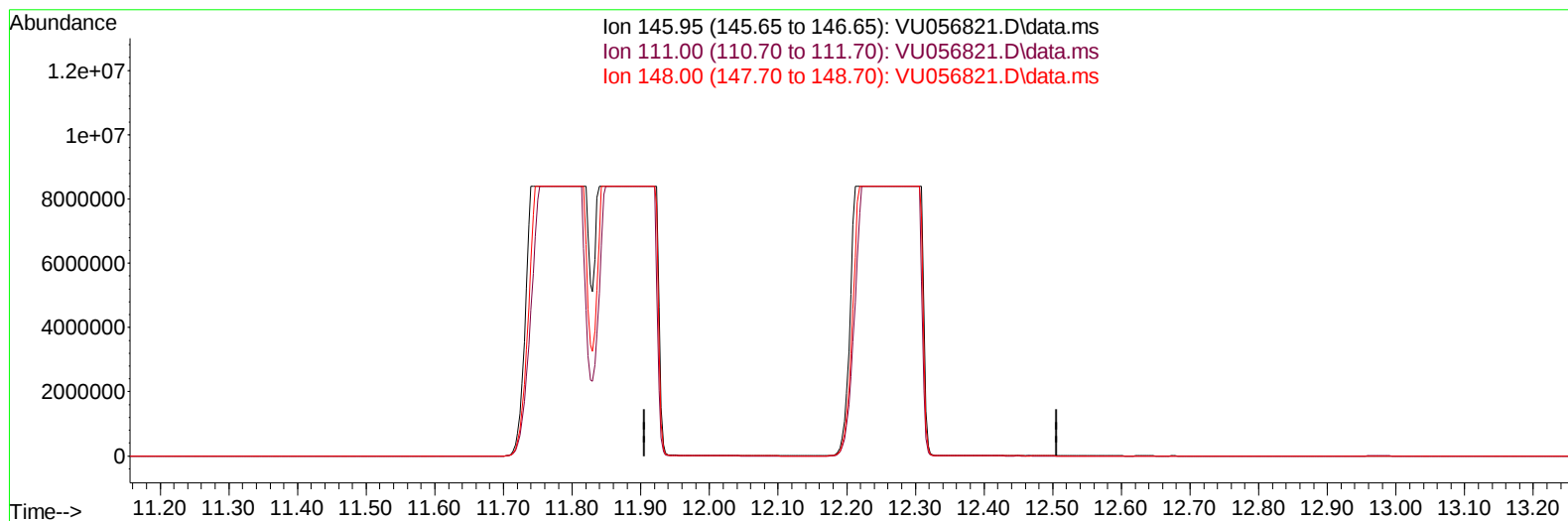
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 Supervised By :Mahesh Dadoda 12/18/2023



TIC: VU056821.D\data.ms

(67) 1,2-Dichlorobenzene (T)

12.206min (-12.206) 0.00 ug/L

response 0

Ion	Exp%	Act%
145.95	100.00	0.00
111.00	46.10	0.00#
148.00	66.20	0.00#
0.00	0.00	0.00

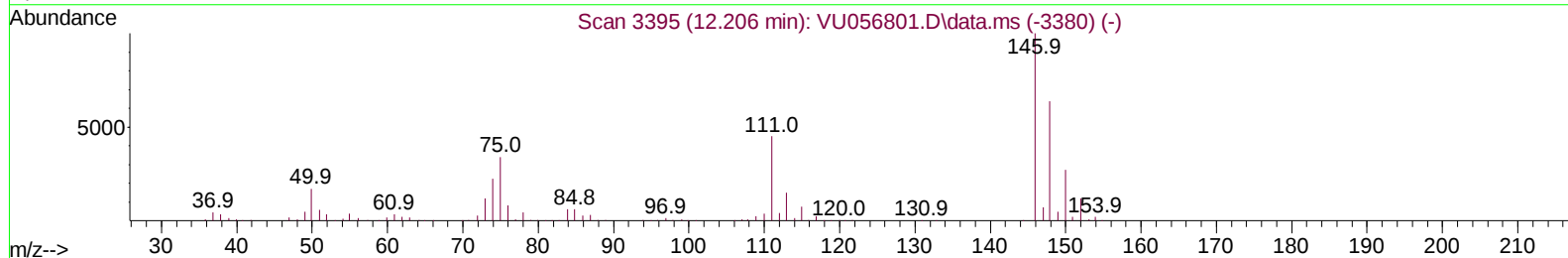
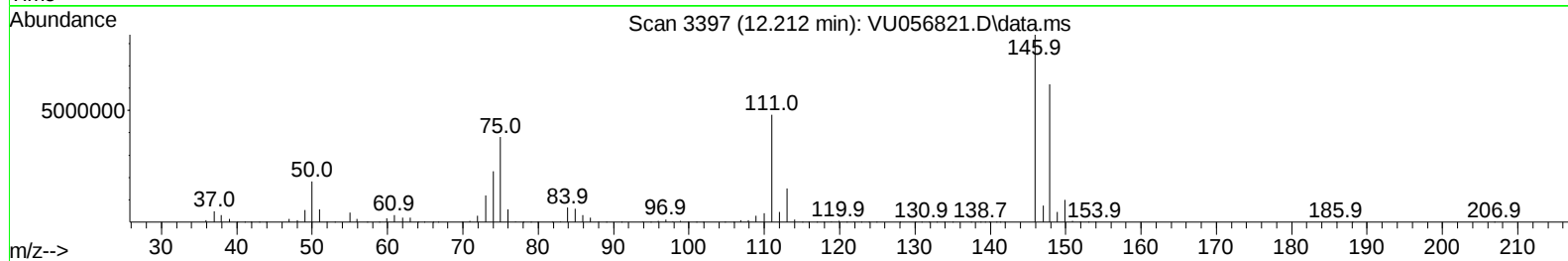
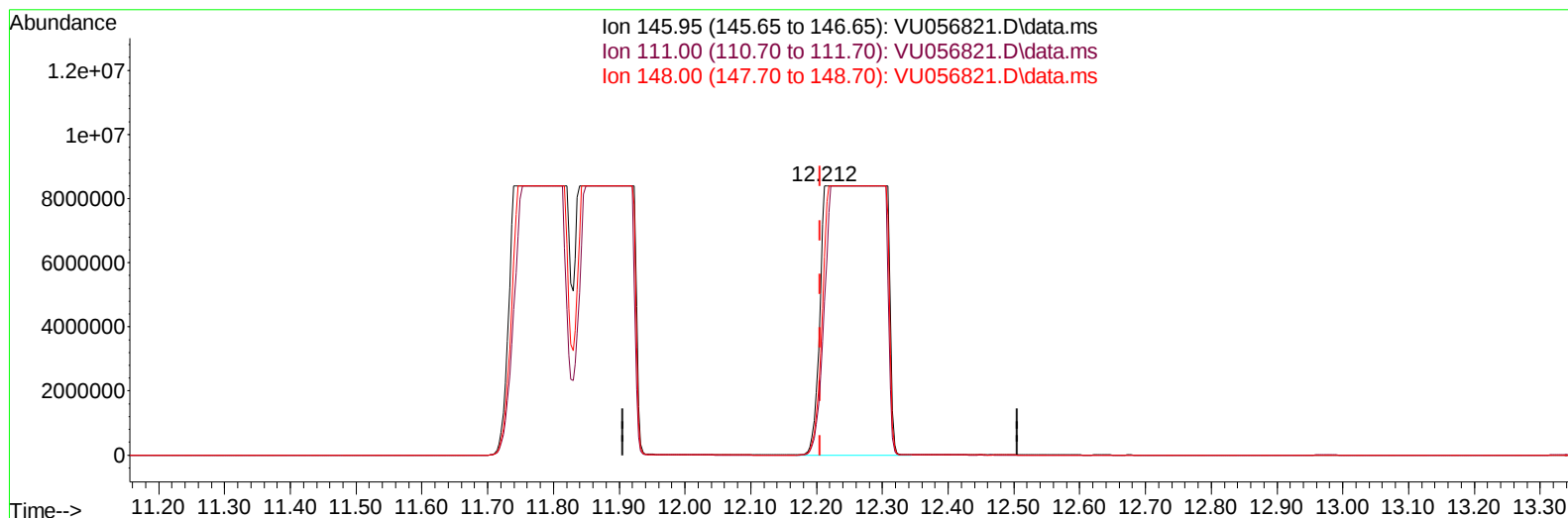
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ALS Vial : 50 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: VU056821.D\data.ms

(67) 1,2-Dichlorobenzene (T)

12.212min (+ 0.006) 1126.26 ug/L m

response 55143268

Ion	Exp%	Act%
145.95	100.00	100.00
111.00	46.10	57.13#
148.00	66.20	73.64
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	271835	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.441	117	244101	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.872	152	143805m	5.000	ug/L	0.06
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	85555	3.672	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	73.400%	
7) Chloroethane-d5	1.907	69	75618	4.337	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	86.800%	
11) 1,1-Dichloroethene-d2	2.563	65	39269	3.939	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	78.800%	
20) 2-Butanone-d5	4.615	46	223506	48.572	ug/L	0.00
Spiked Amount 50.000	Range 40	- 130	Recovery	=	97.140%	
24) Chloroform-d	5.055	84	196550	4.455	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	89.000%	
26) 1,2-Dichloroethane-d4	5.695	65	97962	4.692	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	93.800%	
32) Benzene-d6	5.721	84	371214	4.903	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	98.000%	
36) 1,2-Dichloropropane-d6	6.685	67	117442	4.956	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	99.200%	
41) Toluene-d8	7.894	98	325279	4.807	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	96.200%	
43) trans-1,3-Dichloroprop...	8.177	79	44889	4.884	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	97.600%	
46) 2-Hexanone-d5	8.637	63	223825	64.574	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	129.140%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	103310	6.025	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	120.600%#	
66) 1,2-Dichlorobenzene-d4	12.257	152	93690	3.314	ug/L	0.07
Spiked Amount 5.000	Range 80	- 120	Recovery	=	66.200%#	
Target Compounds						
					Qvalue	
5) vinyl chloride	1.602	62	55840	2.008	ug/L	89
13) Acetone	2.621	43	146092	52.096	ug/L	98
14) Carbon disulfide	2.788	76	13198	0.172	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	212586	9.500	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	571524	23.478	ug/L	99
25) Chloroform	5.078	83	42227	0.936	ug/L	99
31) Carbon tetrachloride	5.518	117	8991	0.293	ug/L	95
33) Benzene	5.766	78	6118437	71.321	ug/L	100
34) Trichloroethene	6.534	95	181215	7.701	ug/L	98
42) Toluene	7.965	91	275451	3.103	ug/L	99
47) Tetrachloroethene	8.550	164	1553465	94.326	ug/L	98
51) Chlorobenzene	9.434	112	51550190m	911.196	ug/L	
52) Ethylbenzene	9.579	91	23741	0.242	ug/L	96
53) m,p-Xylene	9.695	106	24520	0.672	ug/L	97
54) o-Xylene	10.103	106	21074	0.606	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	49449474m	920.060	ug/L	
65) 1,4-Dichlorobenzene	11.839	146	47719444m	901.701	ug/L	
67) 1,2-Dichlorobenzene	12.212	146	55143268m	1126.264	ug/L	

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Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

Quant Time: Dec 13 07:04:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.836	180	1050936	32.679	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	144459	5.291	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
Data File : VU056821.D
Acq On : 13 Dec 2023 06:38
Operator : MD/SY
Sample : 05684-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E06J1

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