

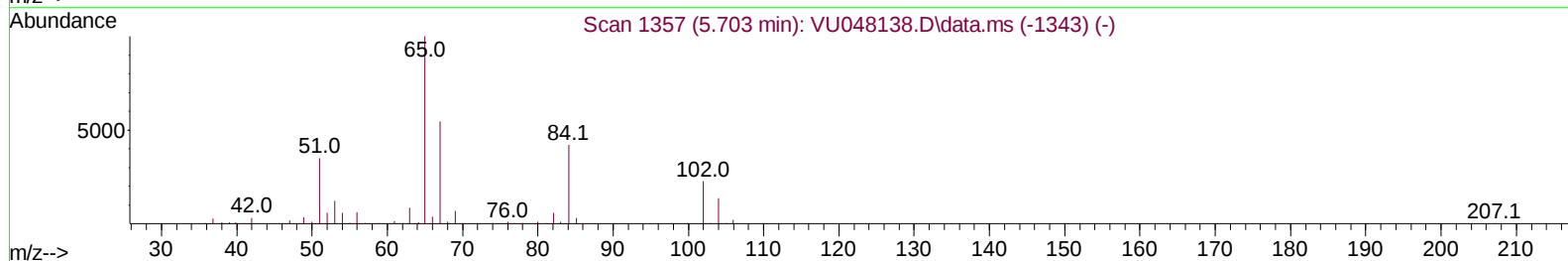
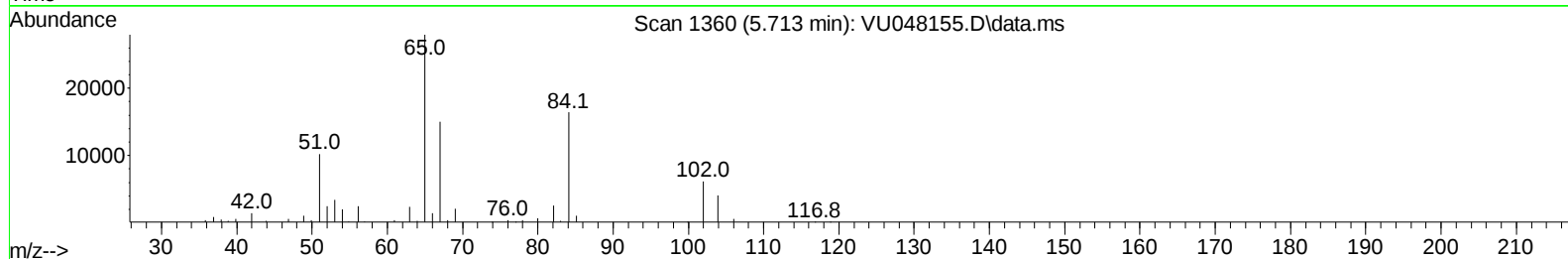
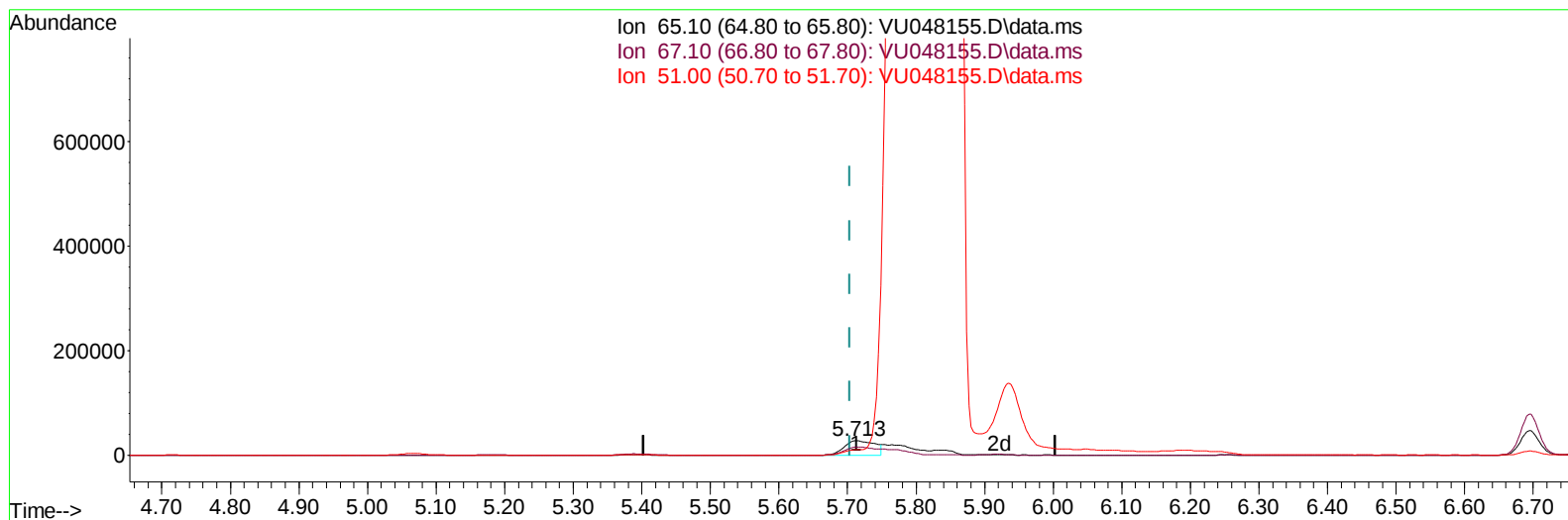
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
Data File : VU048155.D
Acq On : 20 Apr 2022 20:00
Operator : SY/MD
Sample : N2485-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0J23

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 02:45:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 21 02:37:57 2022
Response via : Initial Calibration



TIC: VU048155.D\data.ms

(26) 1,2-Dichloroethane-d4 (S)

5.713min (+ 0.010) 25.72 ug/L

response 86570

Ion	Exp%	Act%
65.10	100.00	100.00
67.10	54.40	87.74#
51.00	35.90	0.00#
0.00	0.00	0.00

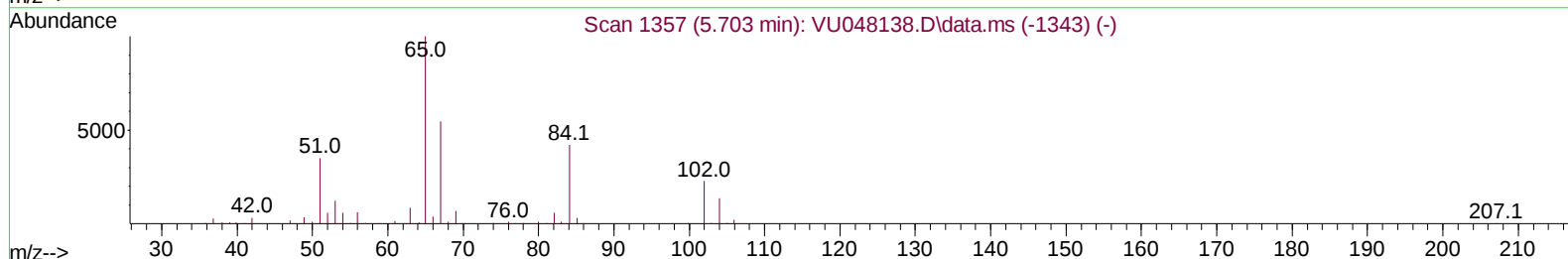
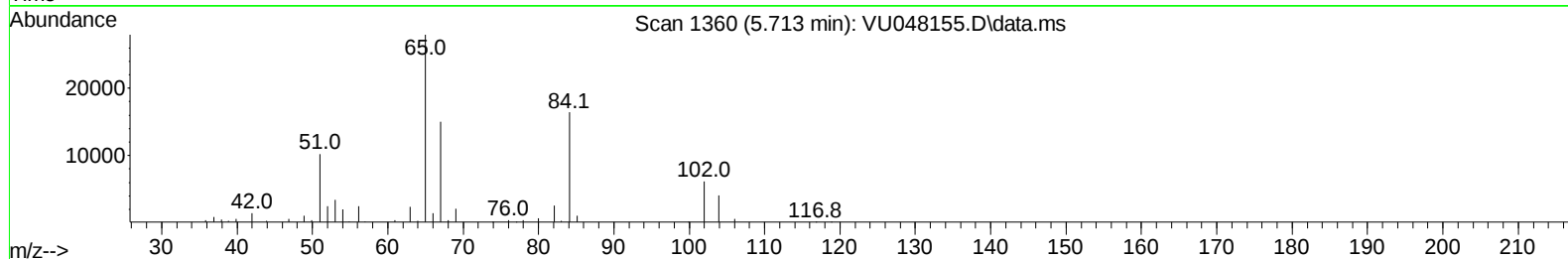
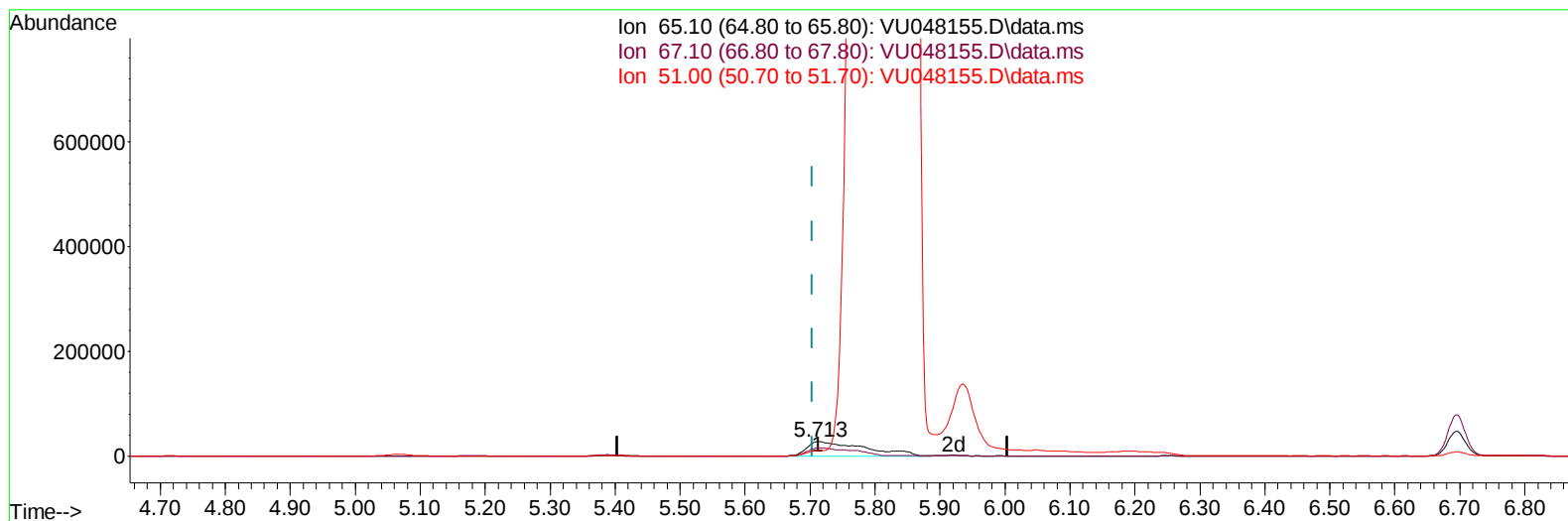
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
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Manual IntegrationsAPPROVED

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TIC: VU048155.D\data.ms

(26) 1,2-Dichloroethane-d4 (S)

5.713min (+ 0.010) 50.70 ug/L m

response 170639

Ion	Exp%	Act%
65.10	100.00	100.00
67.10	54.40	44.51
51.00	35.90	0.00#
0.00	0.00	0.00

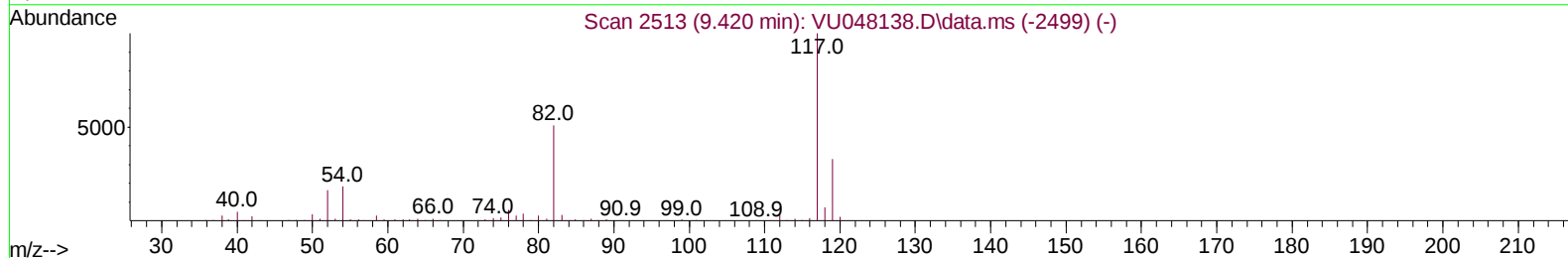
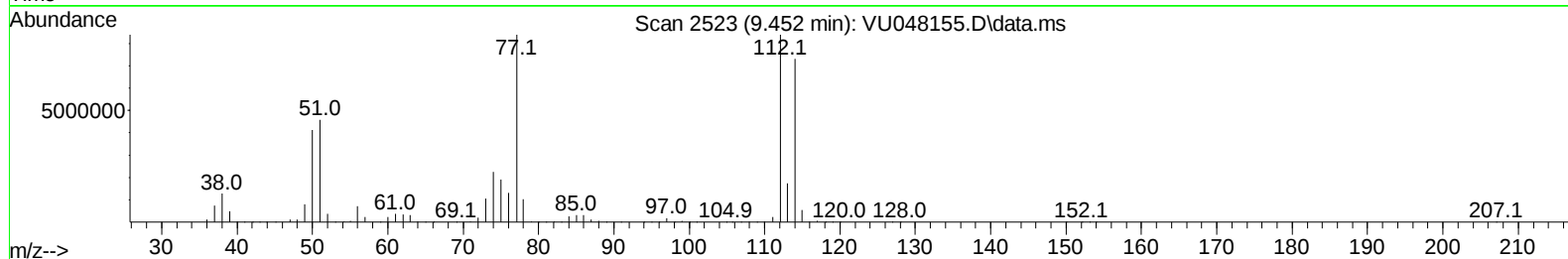
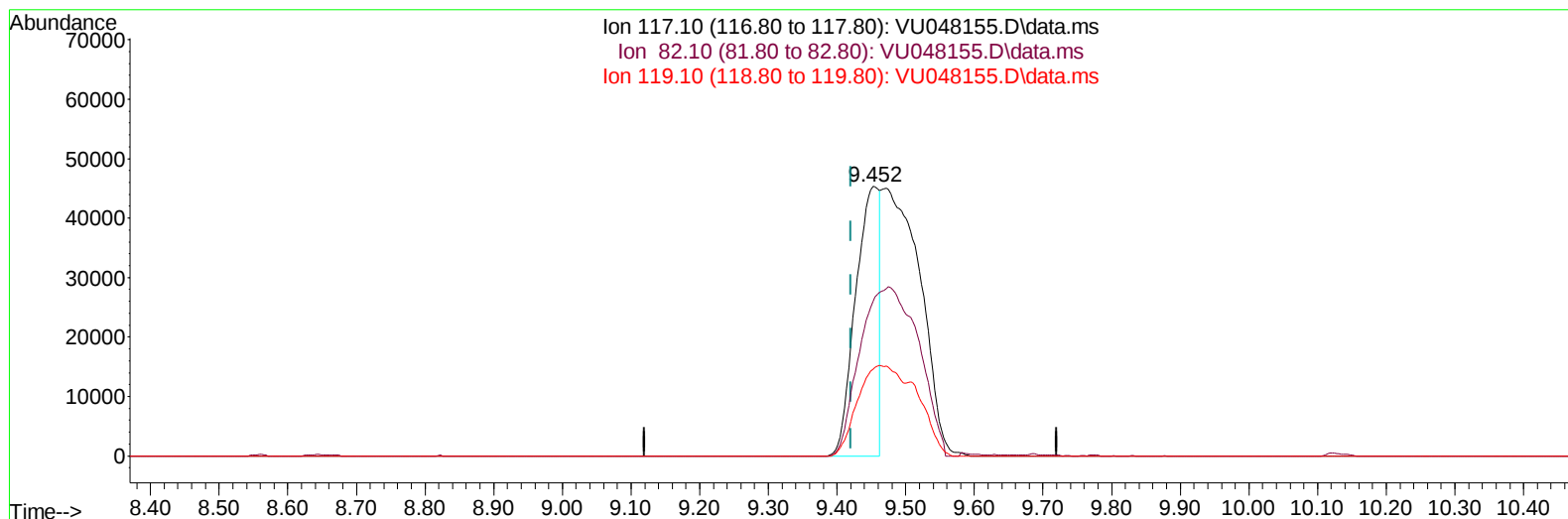
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
Data File : VU048155.D
Acq On : 20 Apr 2022 20:00
Operator : SY/MD
Sample : N2485-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 3

Instrument :
MSVOA_U
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VU048155.D\data.ms

(28) Chlorobenzene-d5 (I)

9.452min (+ 0.032) 50.00 ug/L

response 108733

Ion	Exp%	Act%
117.10	100.00	100.00
82.10	51.20	154.36#
119.10	31.70	37.35
0.00	0.00	0.00

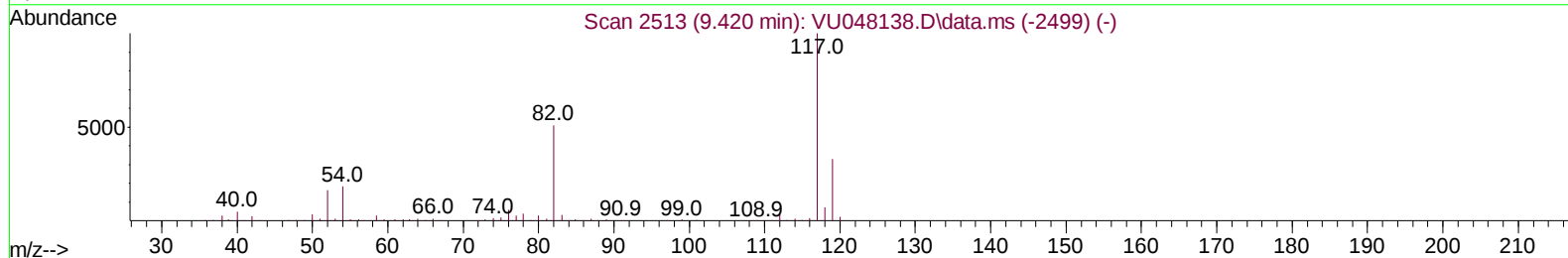
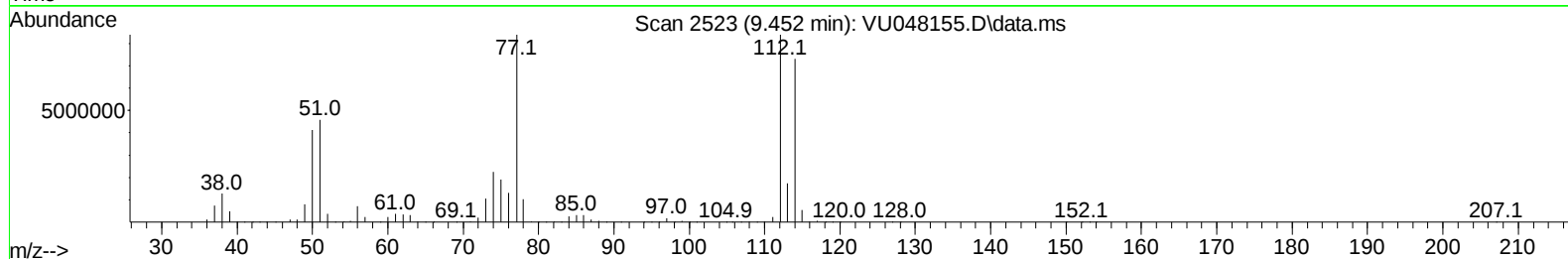
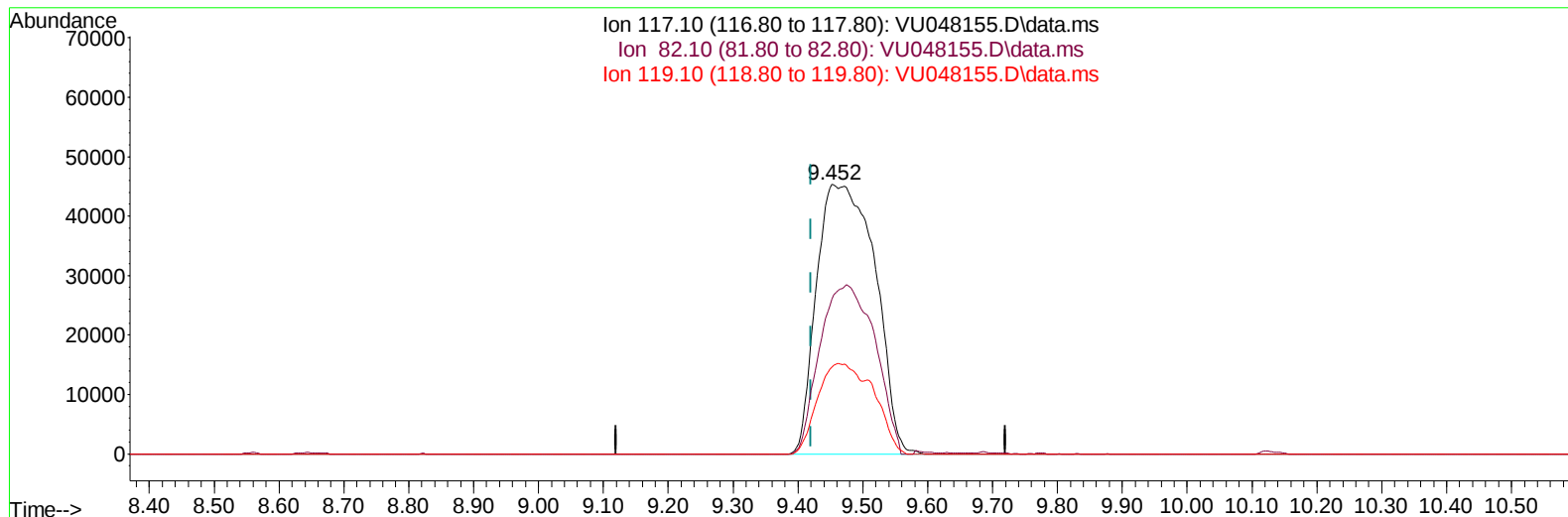
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
 Acq On : 20 Apr 2022 20:00
 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J23

Manual IntegrationsAPPROVED

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TIC: VU048155.D\data.ms

(28) Chlorobenzene-d5 (I)

9.452min (+ 0.032) 50.00 ug/L m

response 282506

Ion	Exp%	Act%
117.10	100.00	100.00
82.10	51.20	59.41
119.10	31.70	14.37#
0.00	0.00	0.00

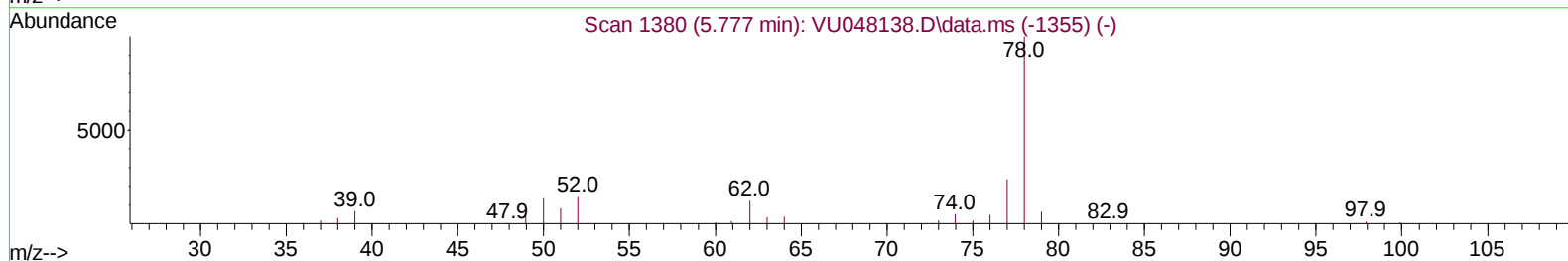
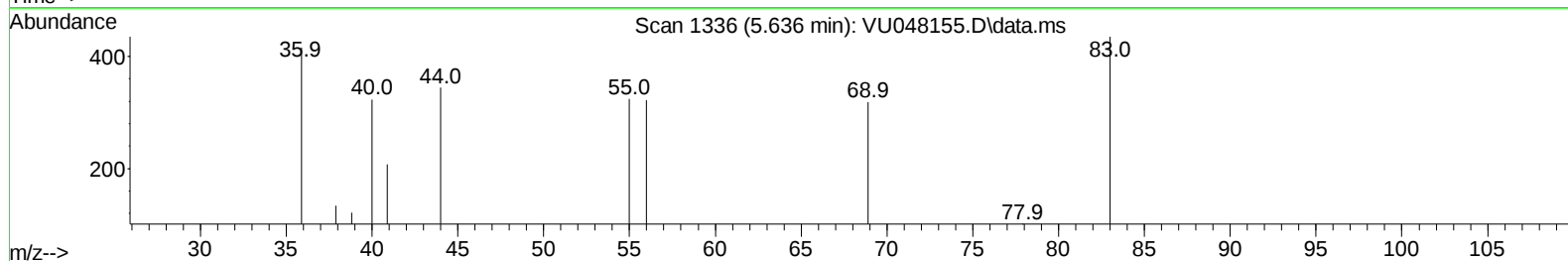
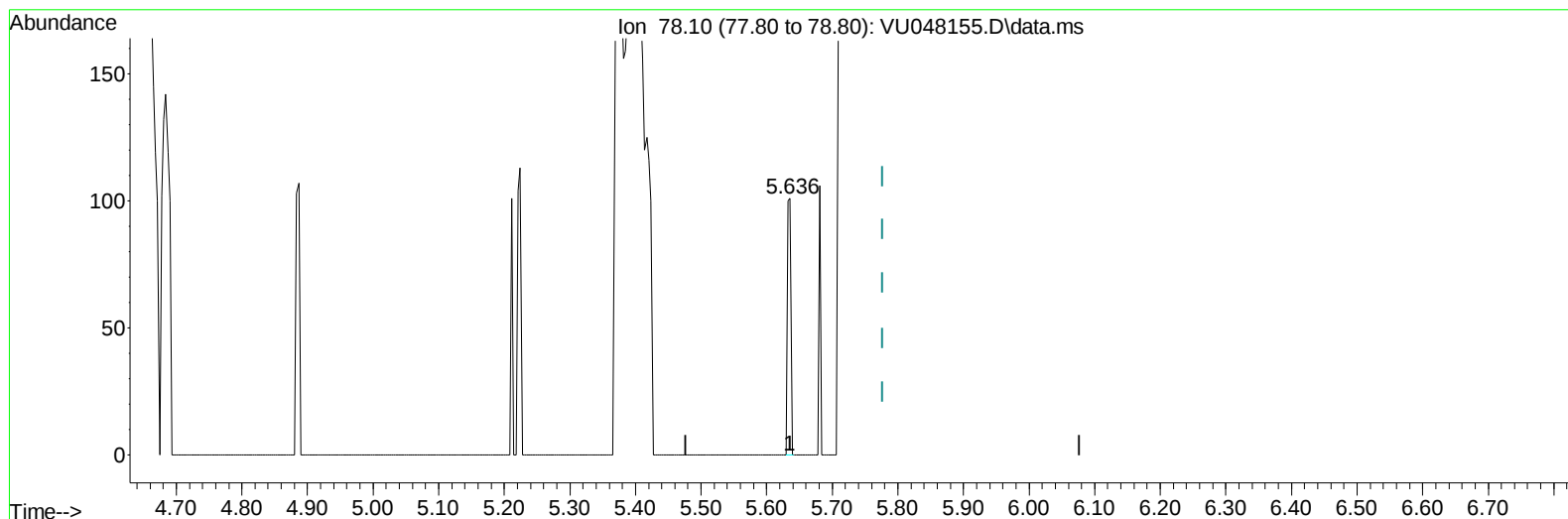
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
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 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
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TIC: VU048155.D\data.ms

(33) Benzene (T)

5.636min (-0.141) 0.00 ug/L

response 39

Ion	Exp%	Act%
78.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

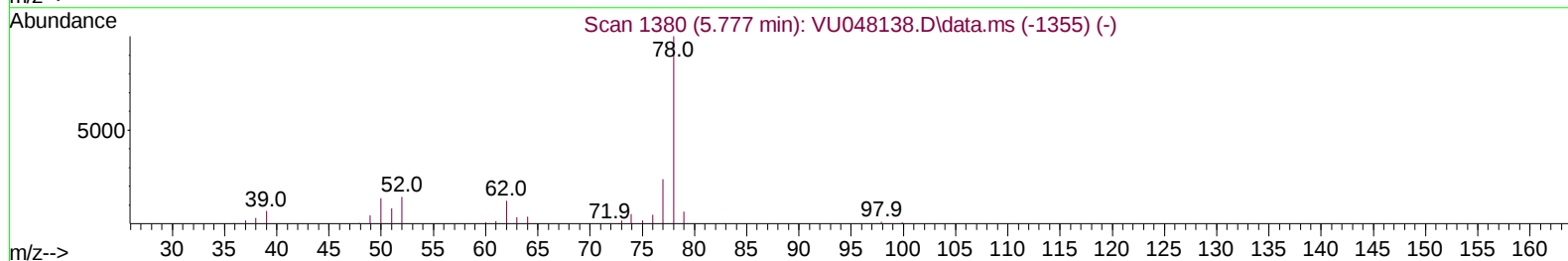
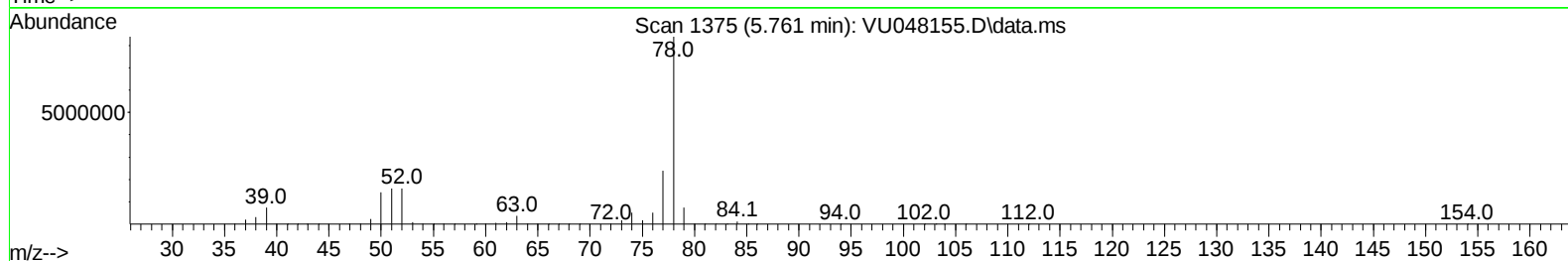
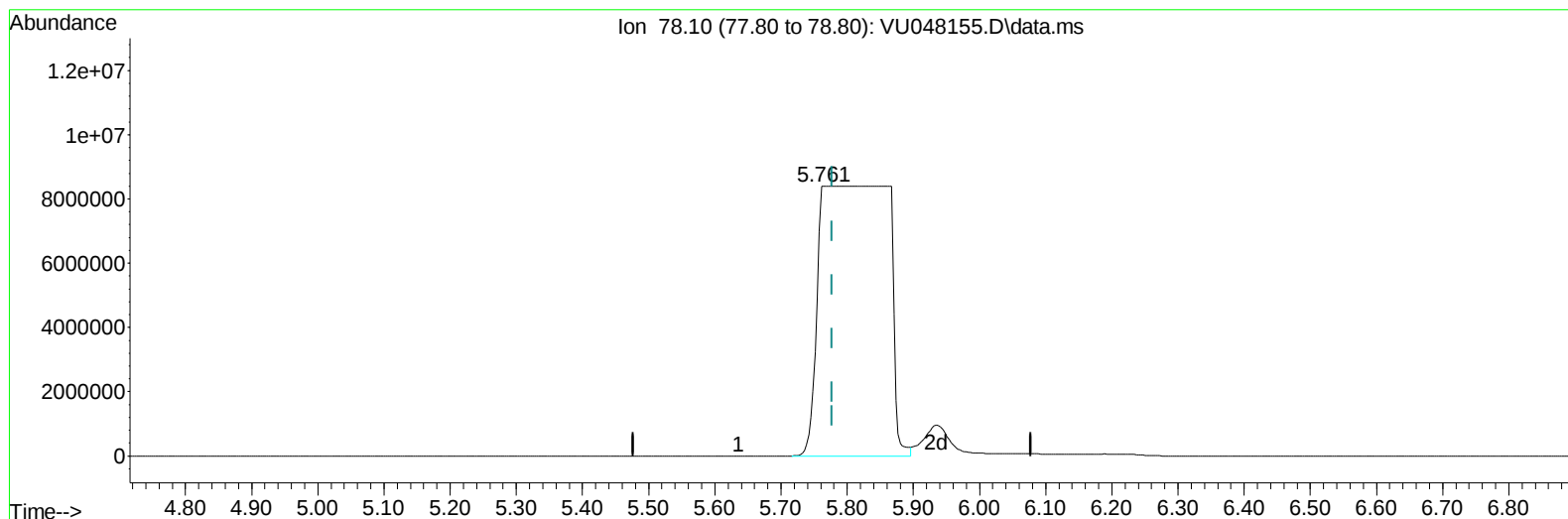
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
 Acq On : 20 Apr 2022 20:00
 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J23

Manual IntegrationsAPPROVED

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Reviewed By :John Carlone 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022



TIC: VU048155.D\data.ms

(33) Benzene (T)

5.761min (-0.016) 7396.79 ug/L m

response 60485086

Ion	Exp%	Act%
78.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

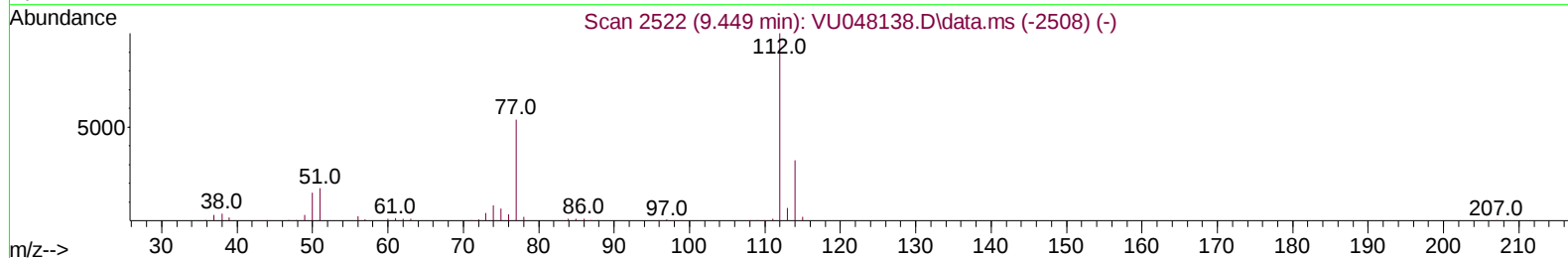
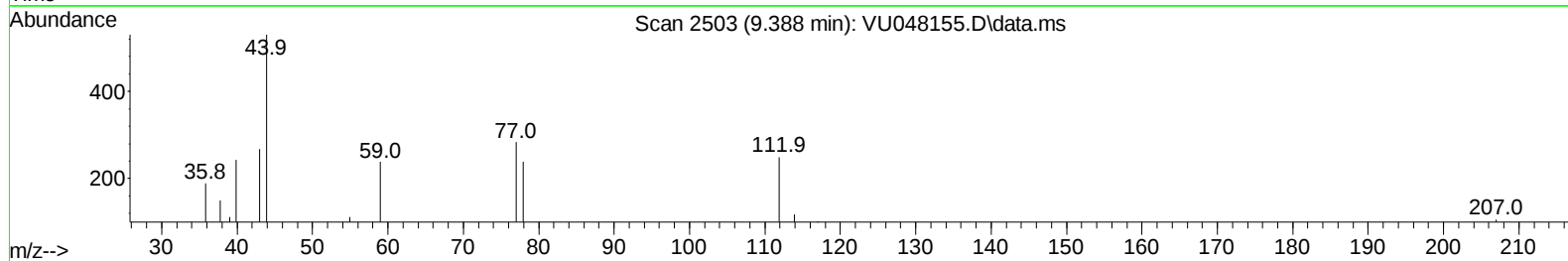
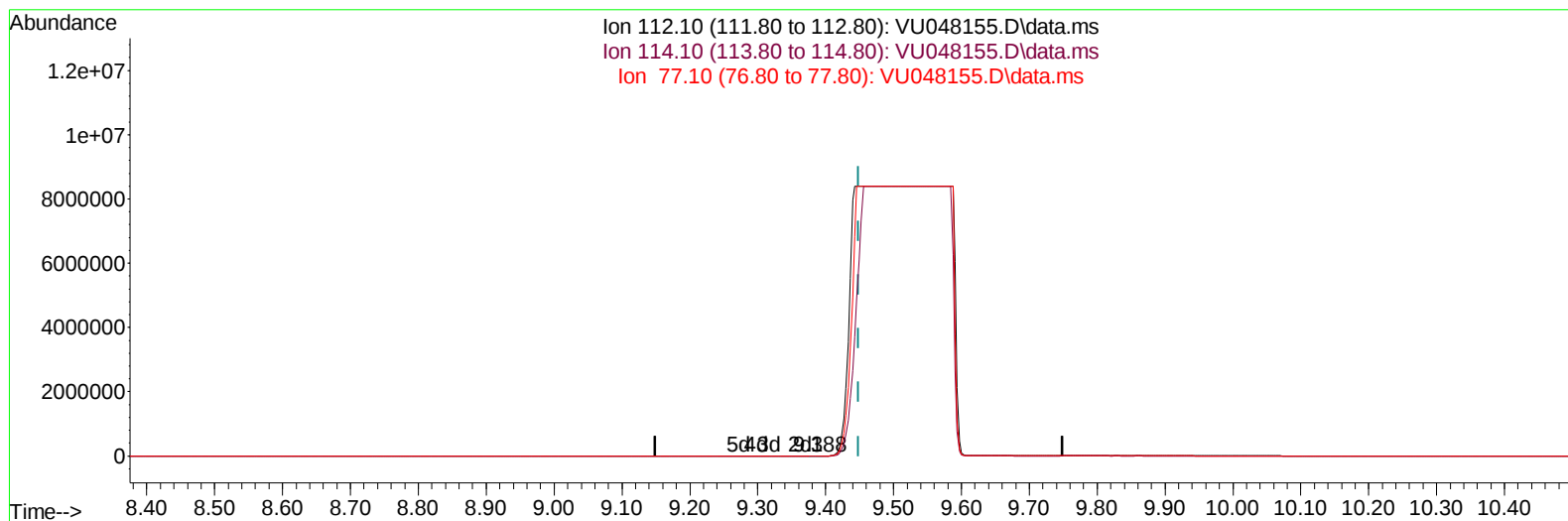
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
 Acq On : 20 Apr 2022 20:00
 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J23

Manual IntegrationsAPPROVED

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TIC: VU048155.D\data.ms

(51) Chlorobenzene (T)

9.388min (-0.061) 0.01 ug/L

response 63

Ion	Exp%	Act%
112.10	100.00	100.00
114.10	31.60	47.39#
77.10	54.20	113.65#
0.00	0.00	0.00

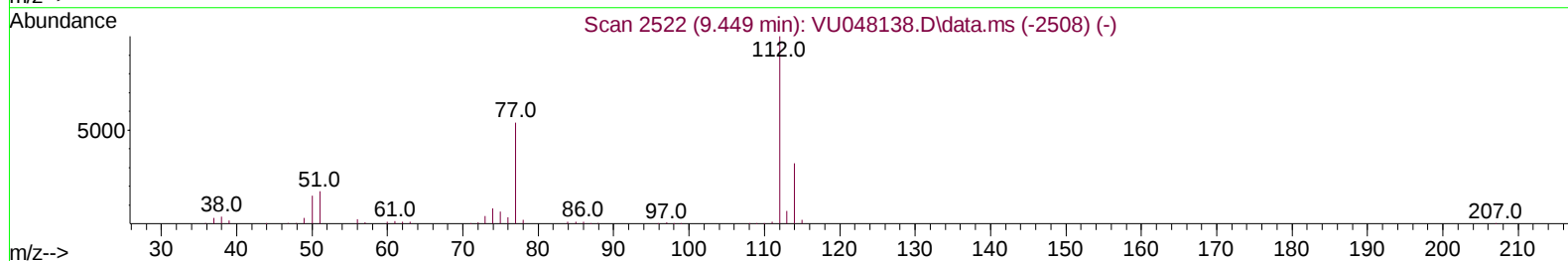
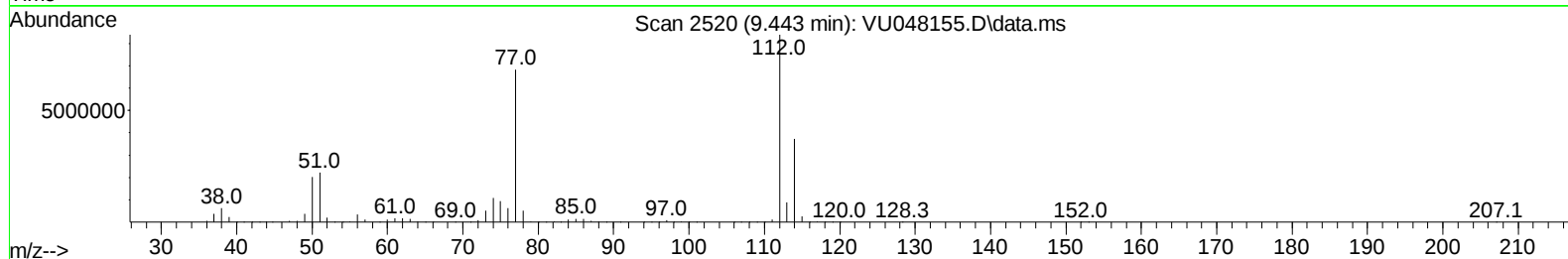
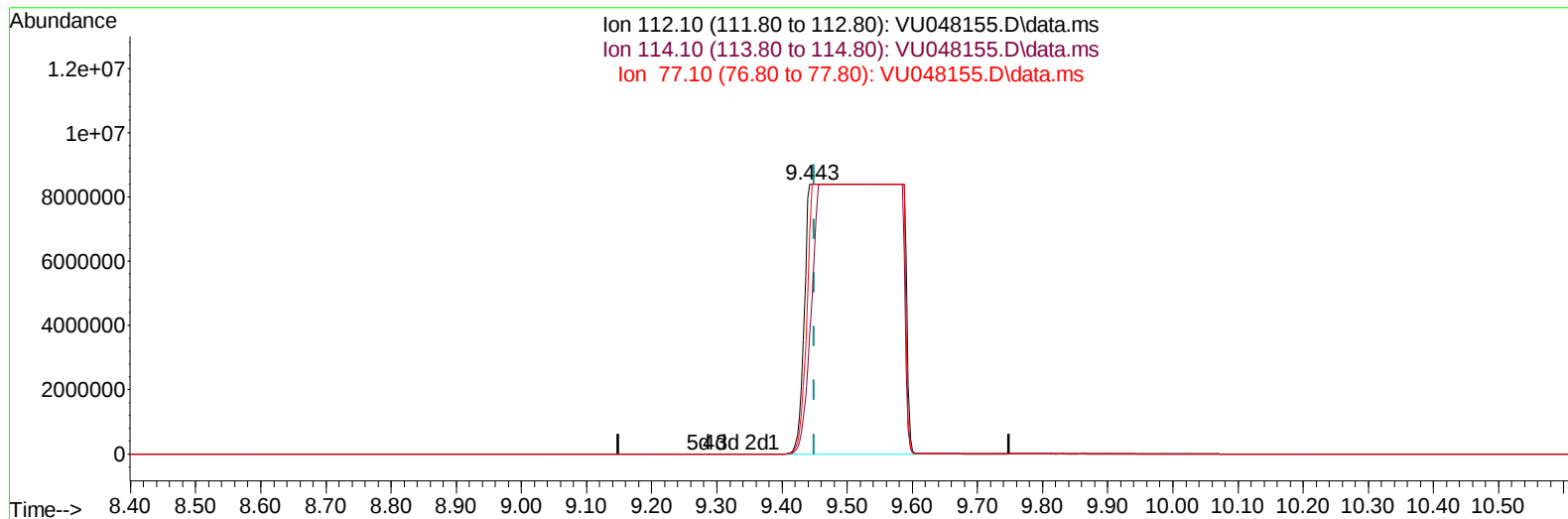
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
 Acq On : 20 Apr 2022 20:00
 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J23

Manual IntegrationsAPPROVED

Quant Time: Apr 21 02:45:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
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Reviewed By :John Carlone 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022



TIC: VU048155.D\data.ms

(51) Chlorobenzene (T)

9.443min (-0.006) 13174.75 ug/L m

response 80262368

Ion	Exp%	Act%
112.10	100.00	100.00
114.10	31.60	44.32#
77.10	54.20	81.37#
0.00	0.00	0.00

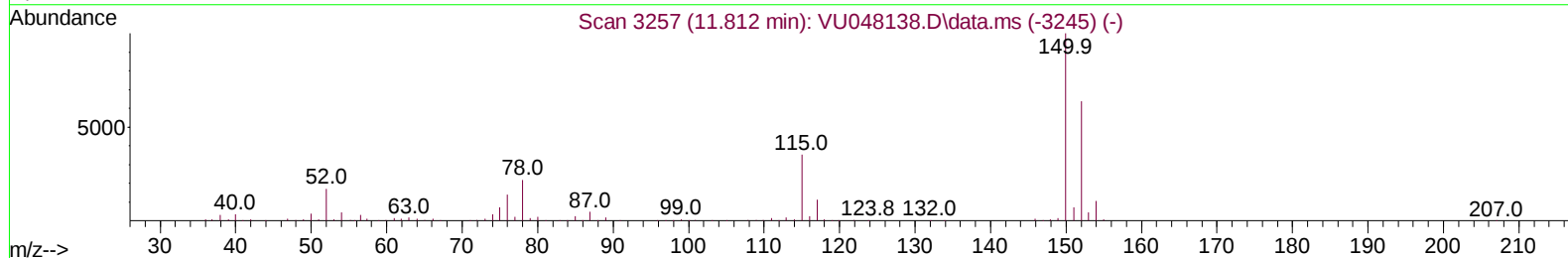
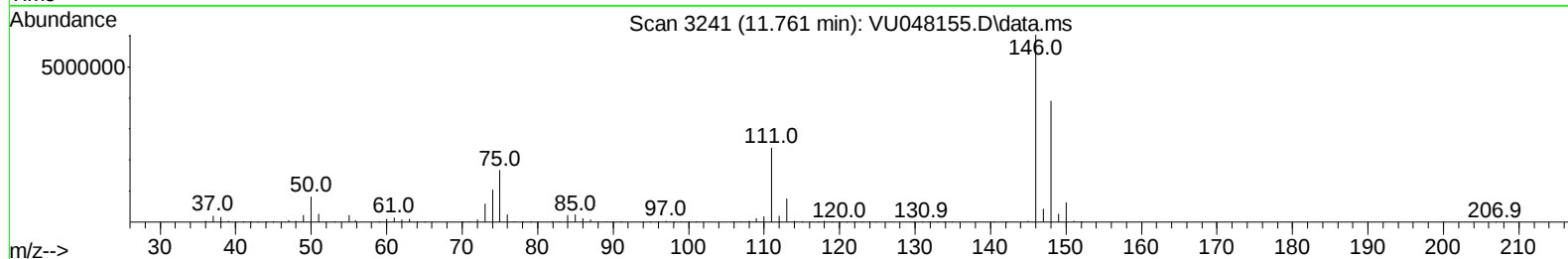
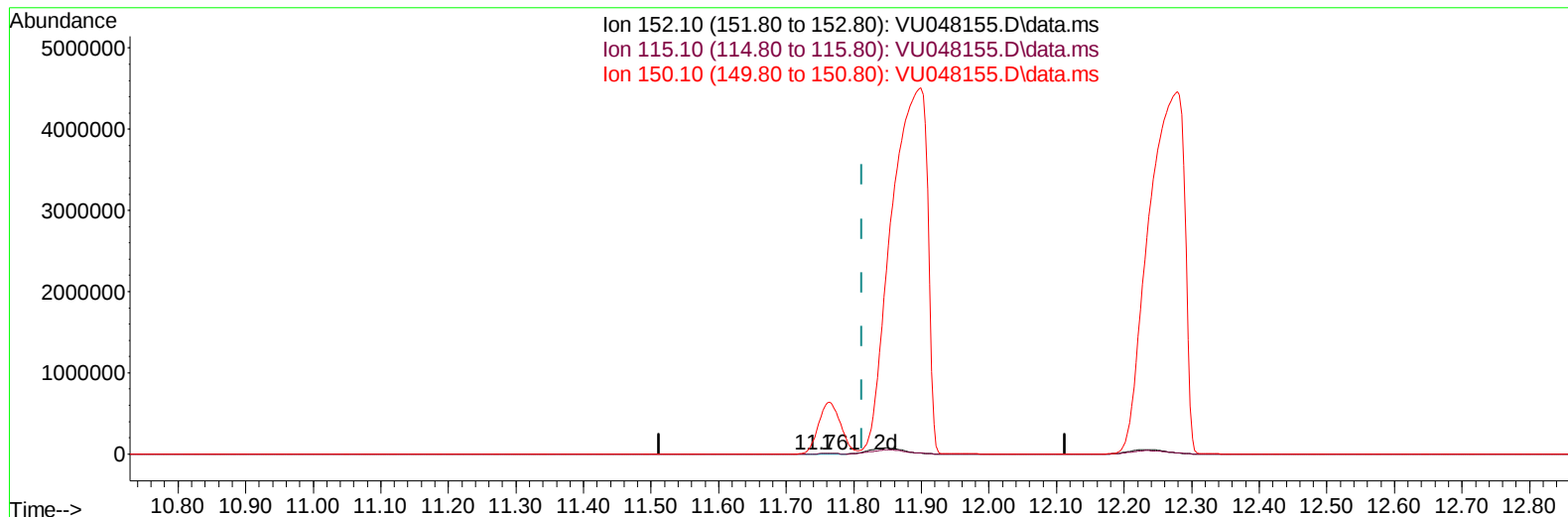
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
Data File : VU048155.D
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Operator : SY/MD
Sample : N2485-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0J23

Manual IntegrationsAPPROVED

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TIC: VU048155.D\data.ms

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

11.761min (-0.051) 50.00 ug/L

response 2852

Ion	Exp%	Act%
152.10	100.00	100.00
115.10	54.20	115.36#
150.10	167.10	50944.67#
0.00	0.00	0.00

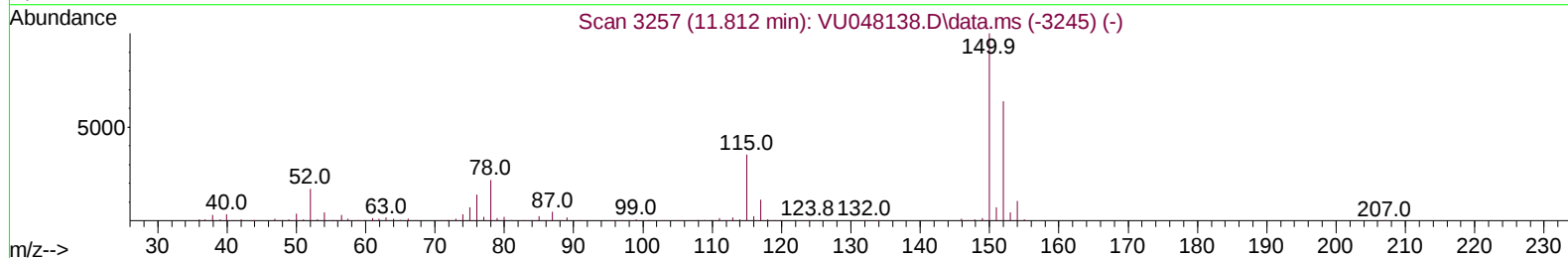
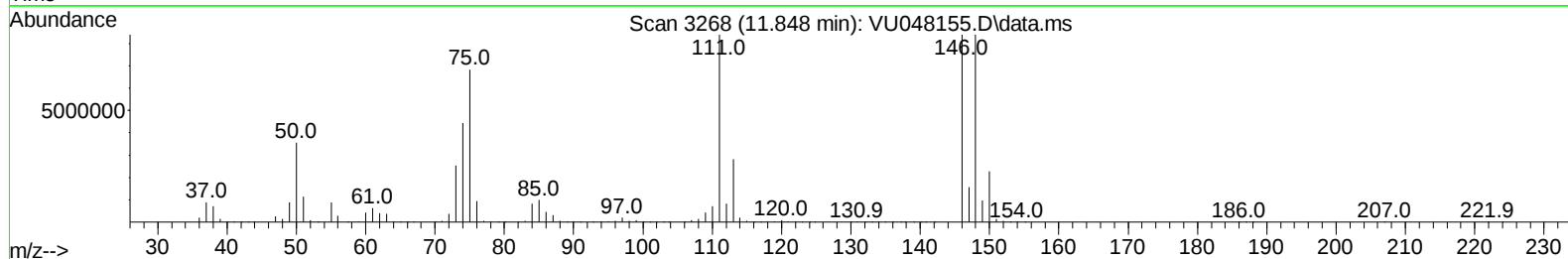
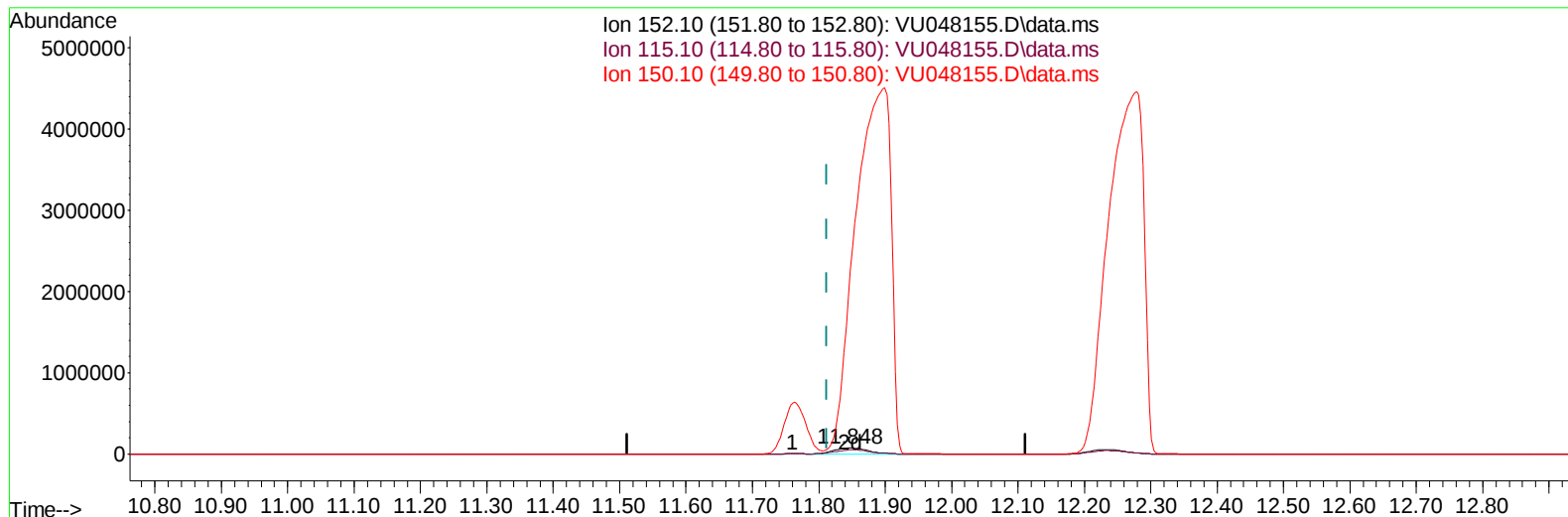
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
Data File : VU048155.D
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Operator : SY/MD
Sample : N2485-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0J23

Manual IntegrationsAPPROVED

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TIC: VU048155.D\data.ms

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

11.848min (+ 0.035) 50.00 ug/L m

response 254846

Ion	Exp%	Act%
152.10	100.00	100.00
115.10	54.20	1.29
150.10	167.10	570.13#
0.00	0.00	0.00

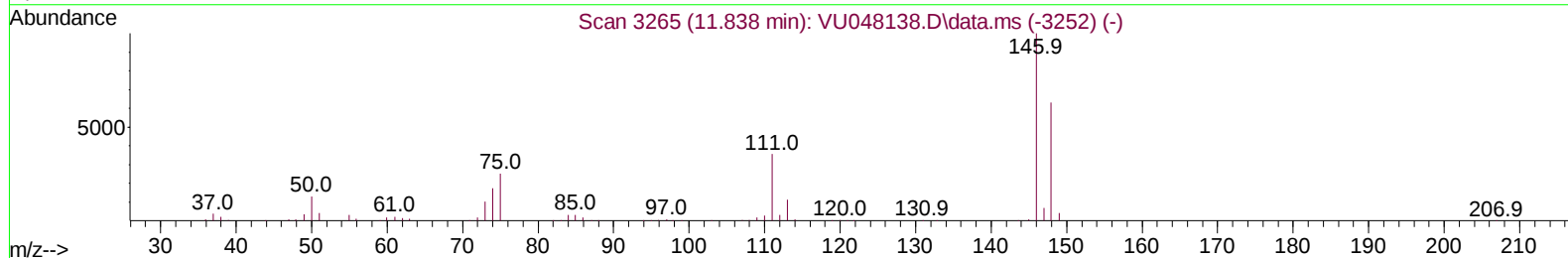
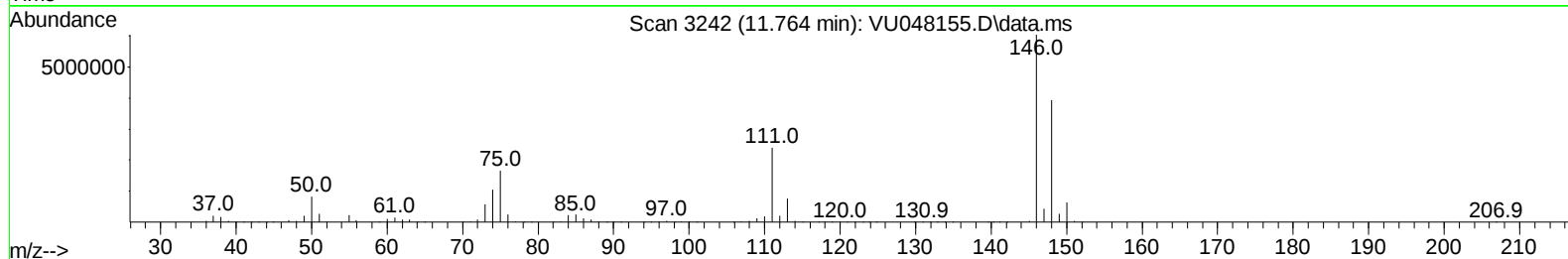
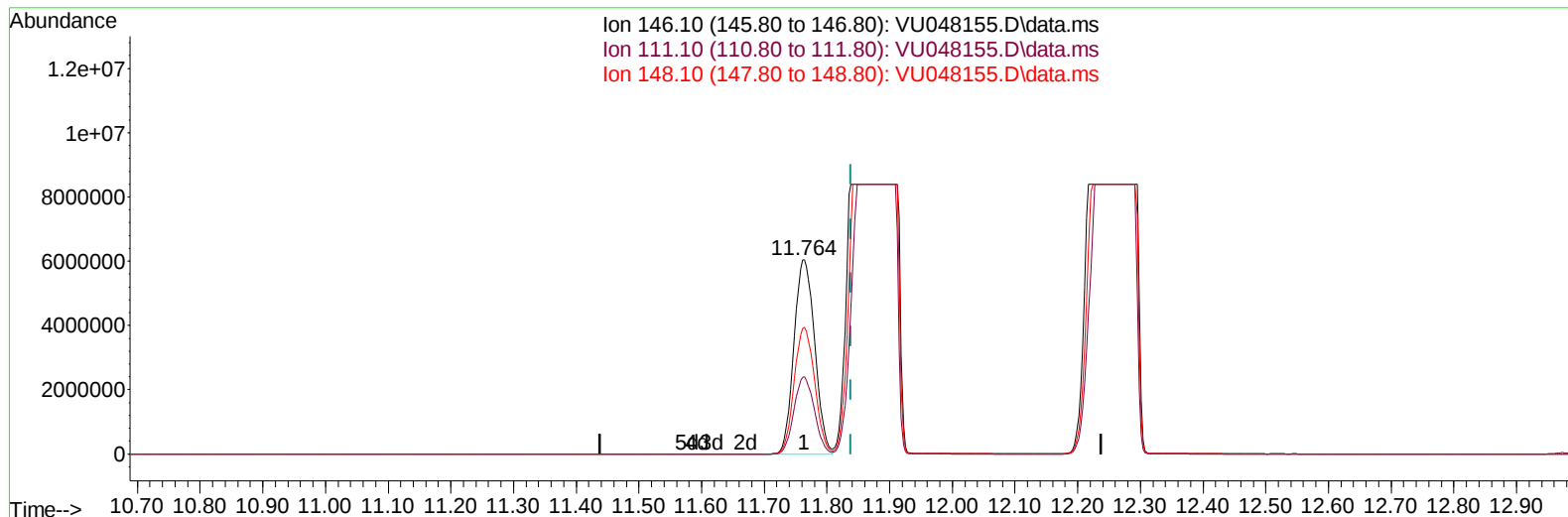
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
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Instrument :
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TIC: VU048155.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.764min (-0.074) 1749.36 ug/L

response 13871418

Ion	Exp%	Act%
146.10	100.00	100.00
111.10	36.20	39.62
148.10	63.60	65.15
0.00	0.00	0.00

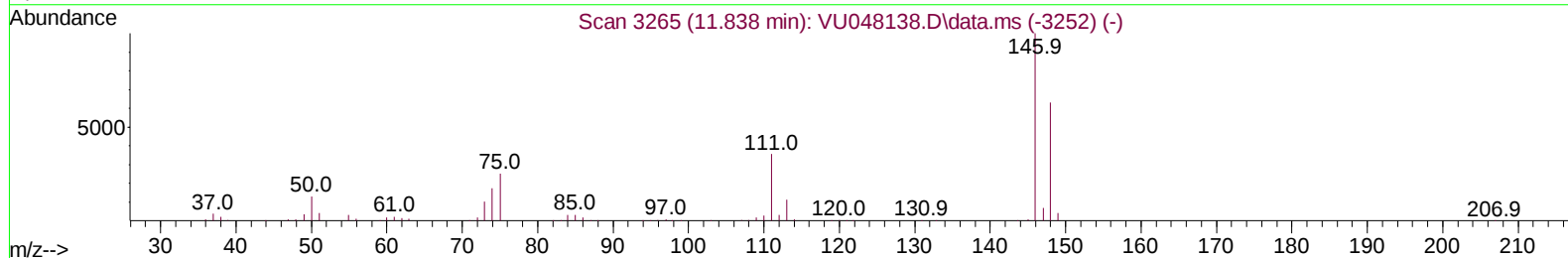
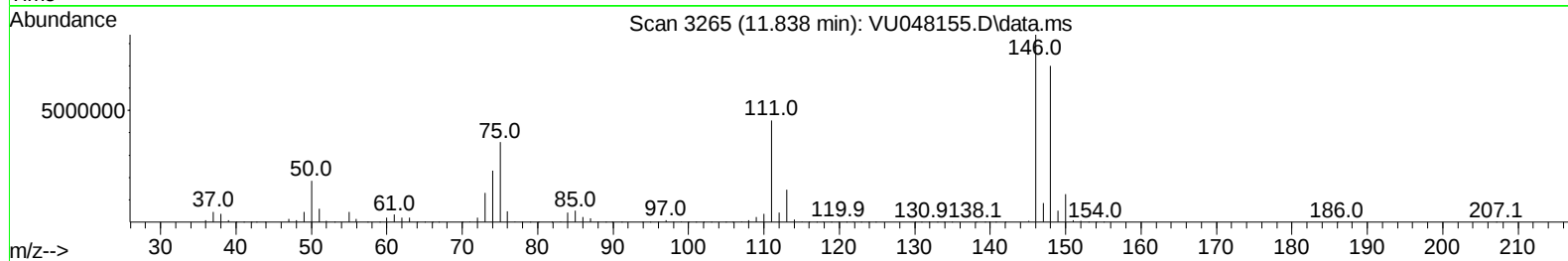
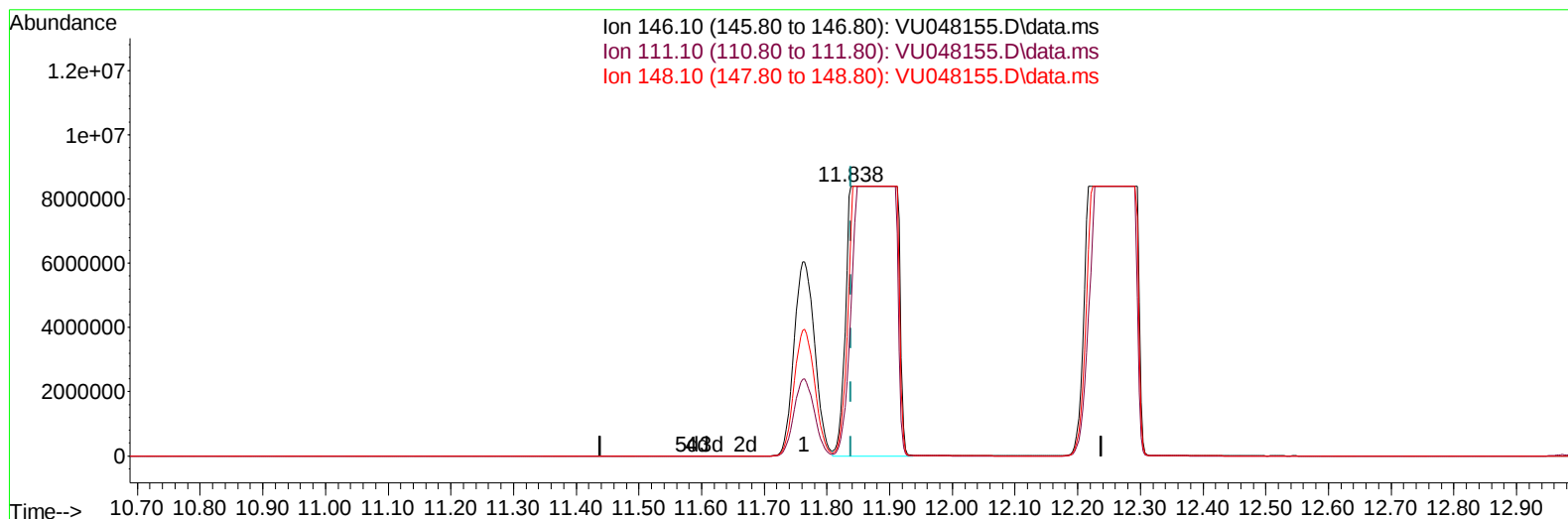
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
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Instrument :
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TIC: VU048155.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.838min (+ 0.000) 5733.27 ug/L m

response 45461542

Ion	Exp%	Act%
146.10	100.00	100.00
111.10	36.20	54.30#
148.10	63.60	83.46#
0.00	0.00	0.00

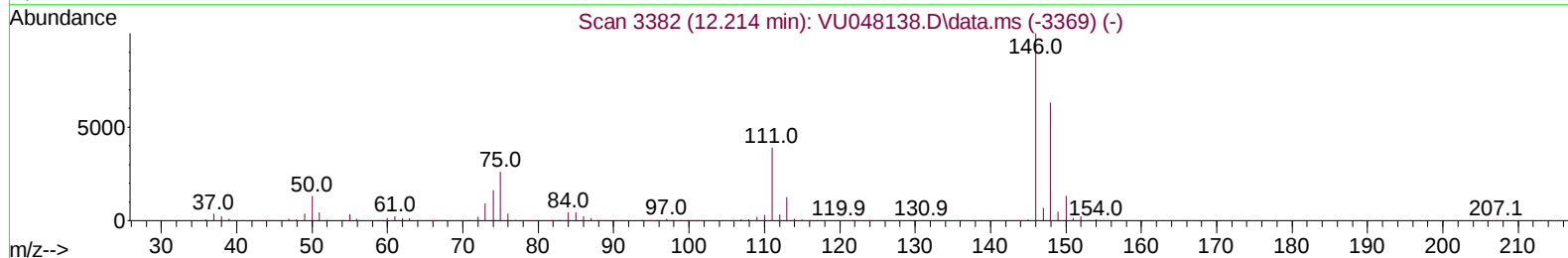
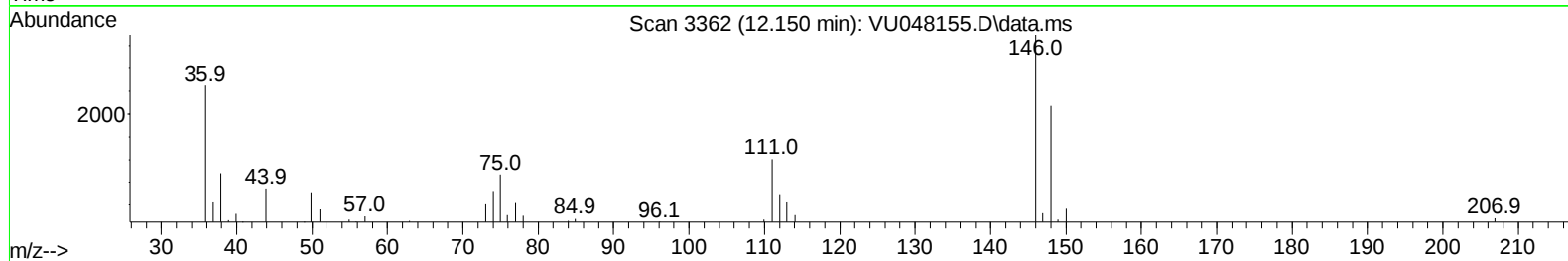
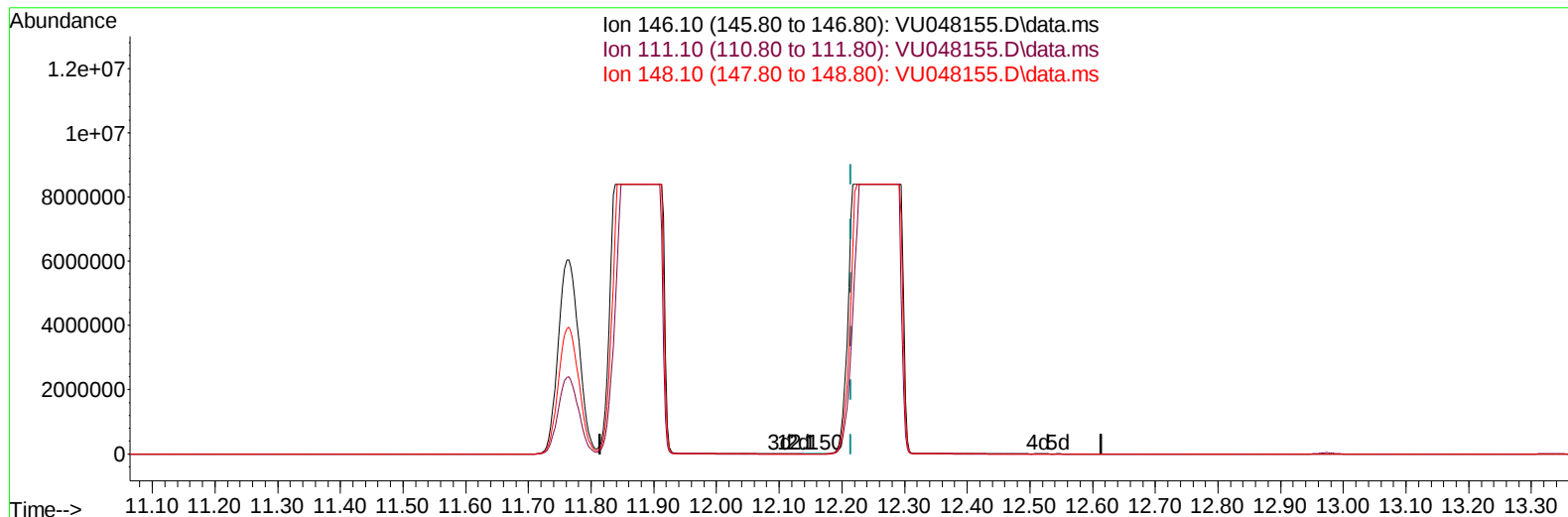
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Data File : VU048155.D
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Instrument :
MSVOA_U
ClientSampleId :
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TIC: VU048155.D\data.ms

(67) 1,2-Dichlorobenzene (T)

12.150min (-0.064) 0.07 ug/L

response 555

Ion	Exp%	Act%
146.10	100.00	100.00
111.10	39.60	35.71
148.10	64.30	63.20
0.00	0.00	0.00

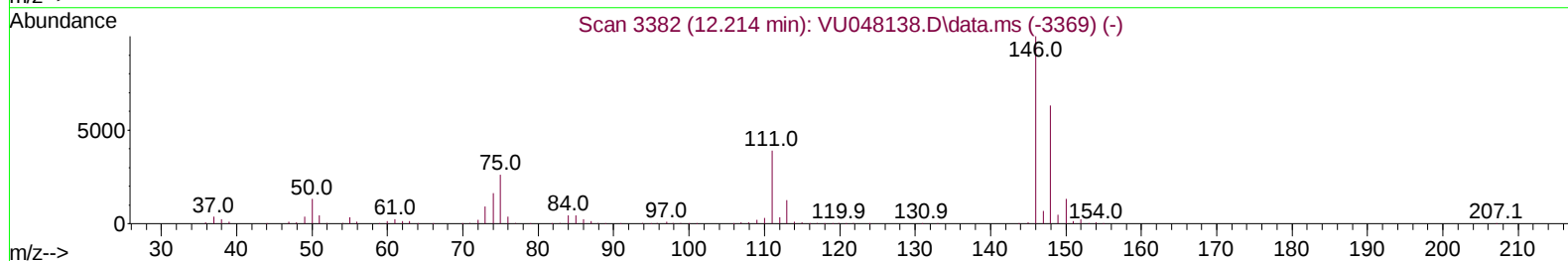
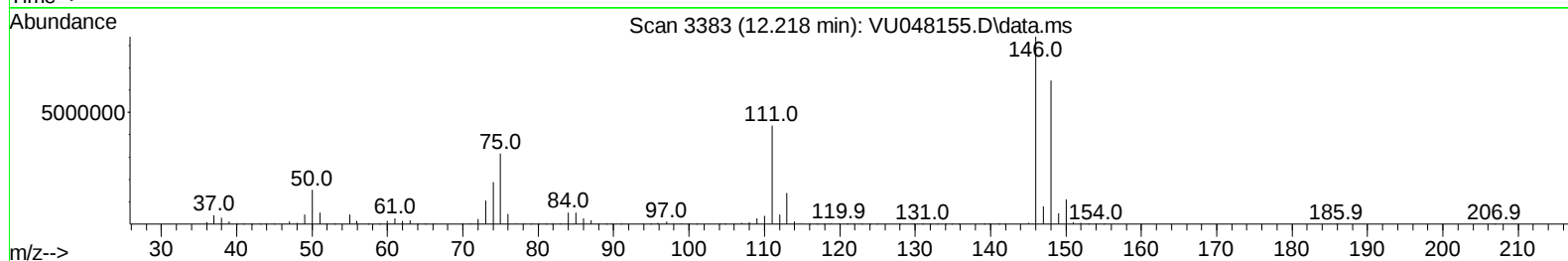
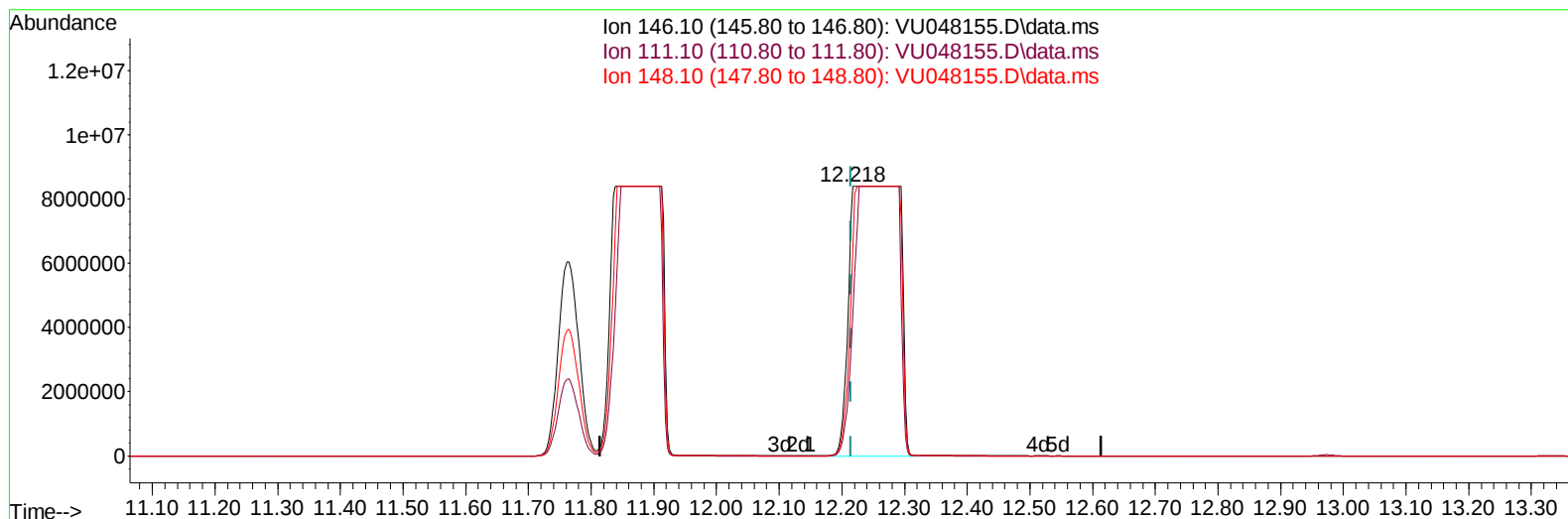
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
 Acq On : 20 Apr 2022 20:00
 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 3

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J23

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 02:45:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration



TIC: VU048155.D\data.ms

(67) 1,2-Dichlorobenzene (T)

12.218min (+ 0.003) 5971.76 ug/L m

response 45743392

Ion	Exp%	Act%
146.10	100.00	100.00
111.10	39.60	52.46#
148.10	64.30	76.48
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	413547	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.452	117	282506m	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.848	152	254846m	50.000	ug/L	0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	116022	38.688	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	77.380%	
7) Chloroethane-d5	1.913	69	97425	41.201	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	82.400%	
11) 1,1-Dichloroethene-d2	2.568	63	150603	27.449	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	54.900%#	
21) 2-Butanone-d5	4.626	46	207550	80.633	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	80.630%	
24) Chloroform-d	5.067	84	283832	51.726	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	103.460%	
26) 1,2-Dichloroethane-d4	5.713	65	170639m	50.704	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	101.400%	
32) Benzene-d6	5.761	84	453777	63.835	ug/L	0.03
Spiked Amount 50.000	Range 70	- 125	Recovery	=	127.660%#	
36) 1,2-Dichloropropane-d6	6.694	67	152174	69.705	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	139.400%#	
41) Toluene-d8	7.903	98	434923	62.796	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	125.600%#	
43) trans-1,3-Dichloroprop...	8.182	79	67751	61.257	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	122.520%	
47) 2-Hexanone-d5	8.642	63	168352	131.730	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	131.730%#	
56) 1,1,2,2-Tetrachloroeth...	10.761	84	260885	69.632	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	139.260%#	
66) 1,2-Dichlorobenzene-d4	12.234	152	199745	44.055	ug/L	0.04
Spiked Amount 50.000	Range 80	- 120	Recovery	=	88.120%	
Target Compounds						
					Qvalue	
13) Acetone	2.626	43	559999	233.784	ug/L	98
14) Carbon disulfide	2.797	76	5331	0.595	ug/L	98
16) Methylene chloride	3.047	84	175465	53.903	ug/L	98
19) 1,1-Dichloroethane	3.871	63	3438	0.652	ug/L #	96
22) 2-Butanone	4.710	43	52776	17.104	ug/L	96
25) Chloroform	5.089	83	1750788	308.167	ug/L	98
29) Cyclohexane	5.395	56	46793	16.323	ug/L	94
31) Carbon tetrachloride	5.530	117	53152	18.375	ug/L	99
33) Benzene	5.761	78	60485086m	7396.786	ug/L	
35) Methylcyclohexane	6.768	83	9476	2.905	ug/L #	76
40) 4-Methyl-2-pentanone	7.797	43	7128	2.170	ug/L	93
42) Toluene	7.973	91	97949	10.917	ug/L	98
46) Tetrachloroethene	8.562	164	2968	1.541	ug/L	89
51) Chlorobenzene	9.443	112	80262368m	13174.754	ug/L	
53) m,p-Xylene	9.716	106	2971	0.803	ug/L	77
64) 1,3-Dichlorobenzene	11.764	146	13871418	1811.979	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	45461542m	5733.268	ug/L	
67) 1,2-Dichlorobenzene	12.218	146	45743392m	5971.764	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.848	180	8327056	1529.091	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	1902924	348.569	ug/L	99

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

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