

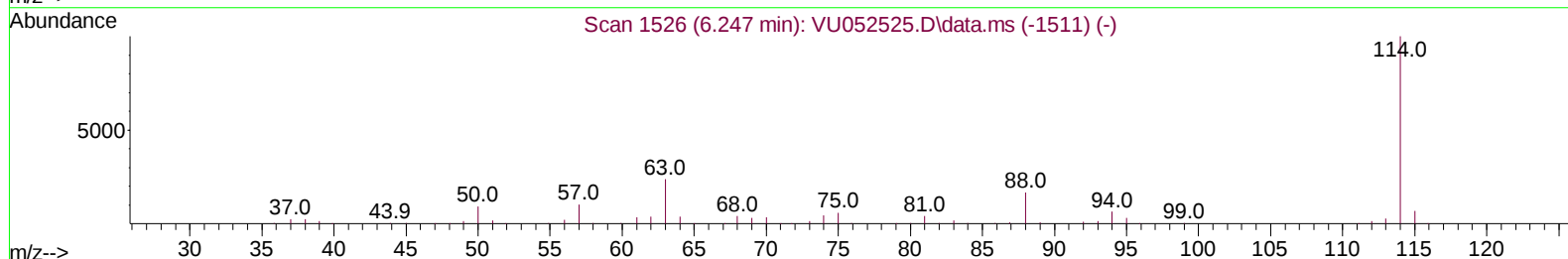
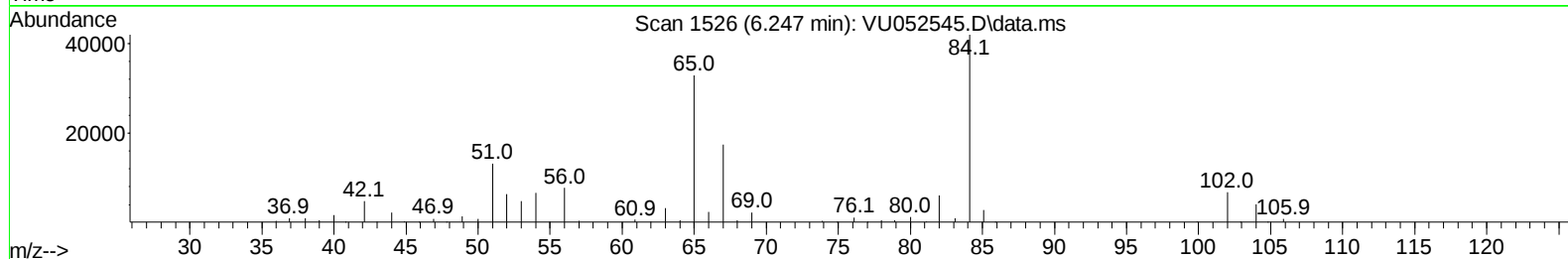
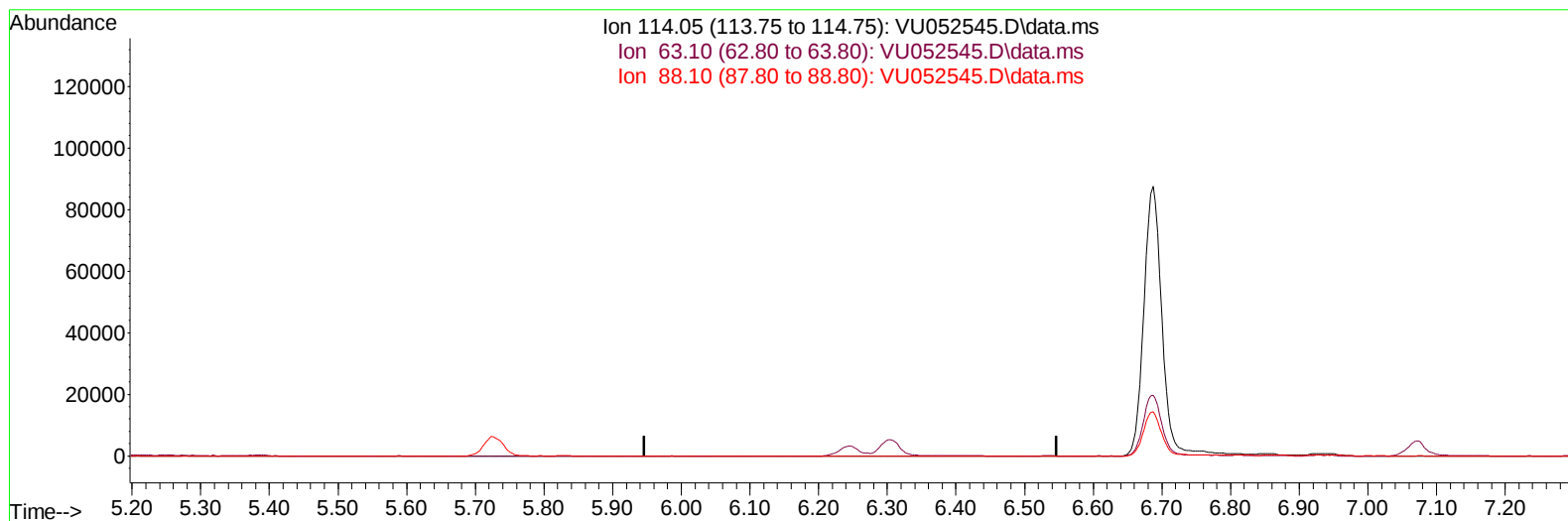
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/28/2022

Quant Time: Dec 24 03:58:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration



TIC: VU052545.D\data.ms

(1) 1,4-Difluorobenzene (I)

6.247min (-6.247) 0.00 ug/L

response 0

Ion	Exp%	Act%
114.05	100.00	0.00
63.10	24.10	0.00#
88.10	16.80	0.00#
0.00	0.00	0.00

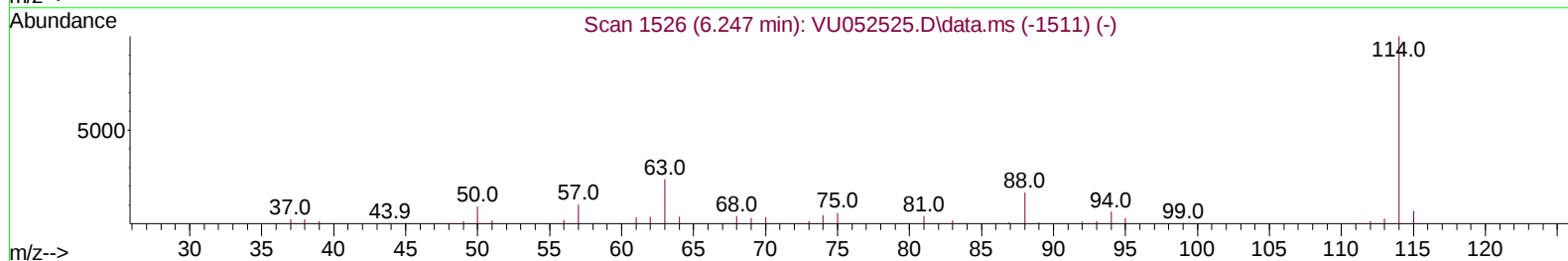
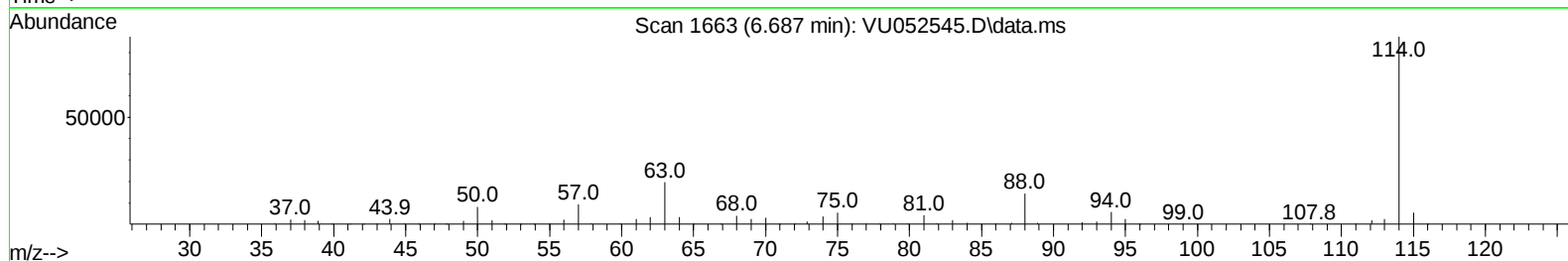
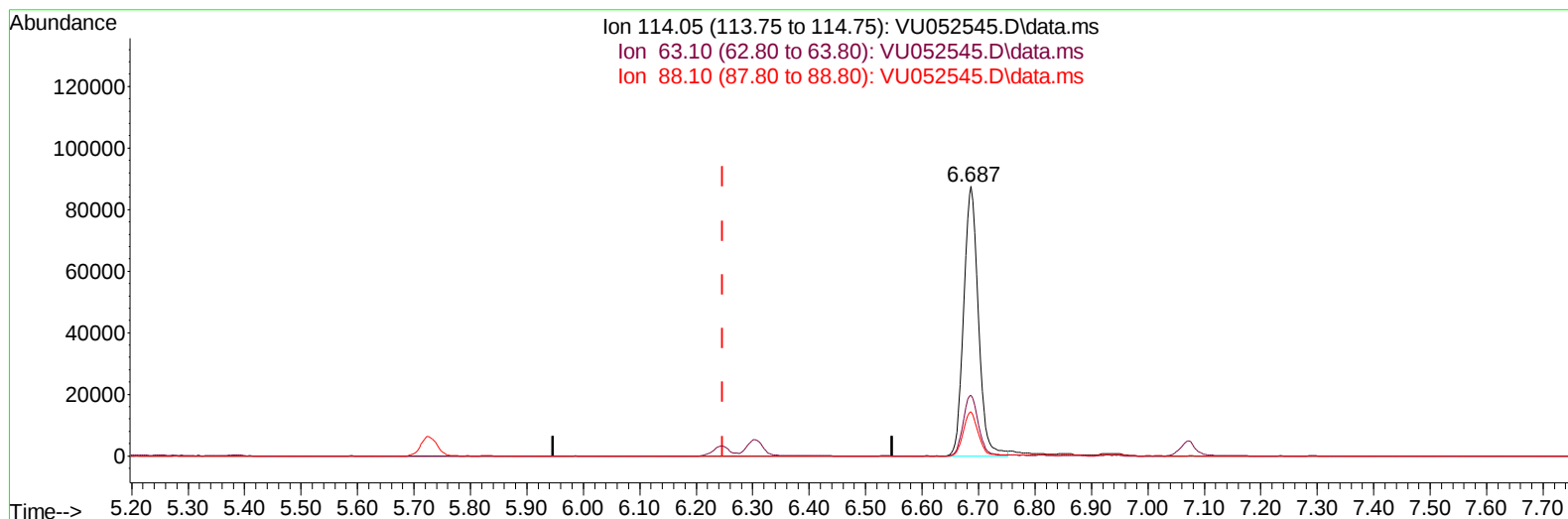
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 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(1) 1,4-Difluorobenzene (I)

6.687min (+ 0.440) 5.00 ug/L m

response 157899

Ion	Exp%	Act%
114.05	100.00	100.00
63.10	24.10	0.00#
88.10	16.80	0.00#
0.00	0.00	0.00

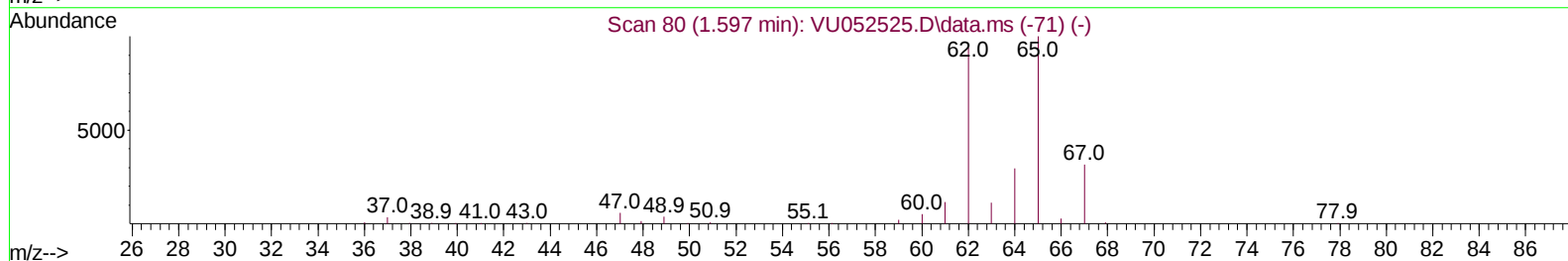
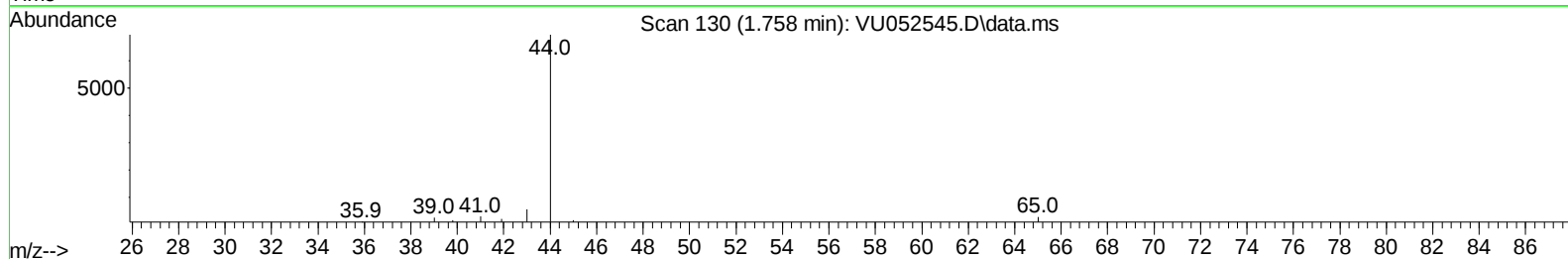
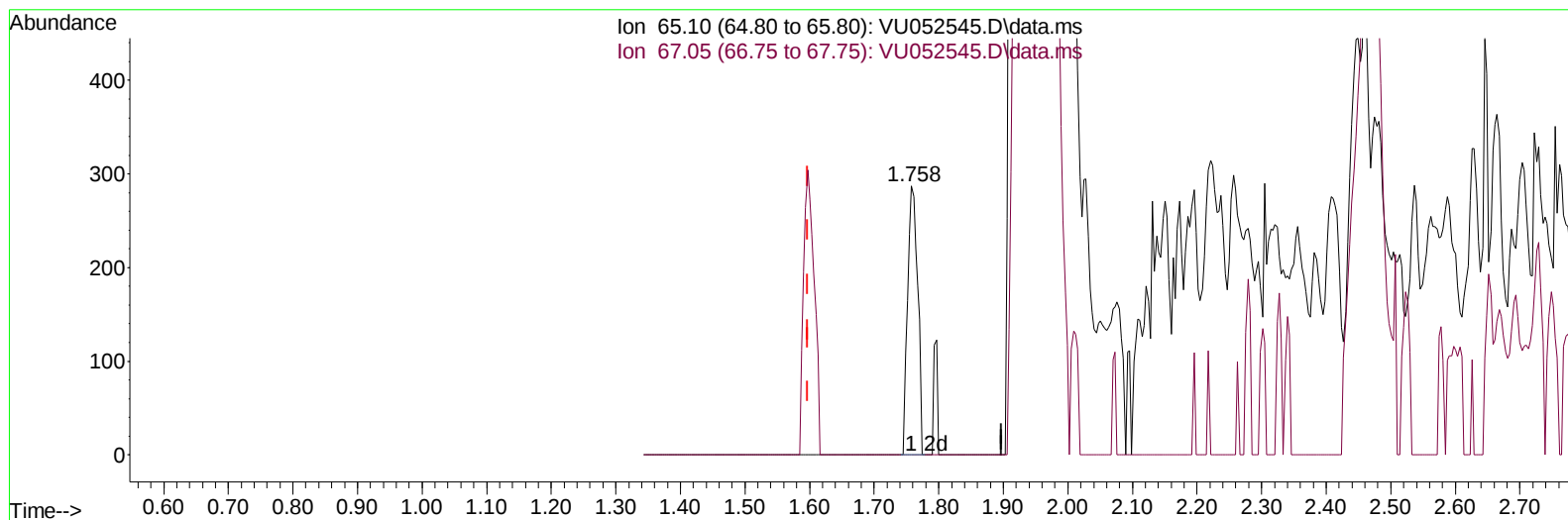
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 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(4) Vinyl Chloride-d3 (S)

1.758min (+ 0.161) 0.02 ug/L

response 312

Ion	Exp%	Act%
65.10	100.00	100.00
67.05	31.40	113.46#
0.00	0.00	0.00
0.00	0.00	0.00

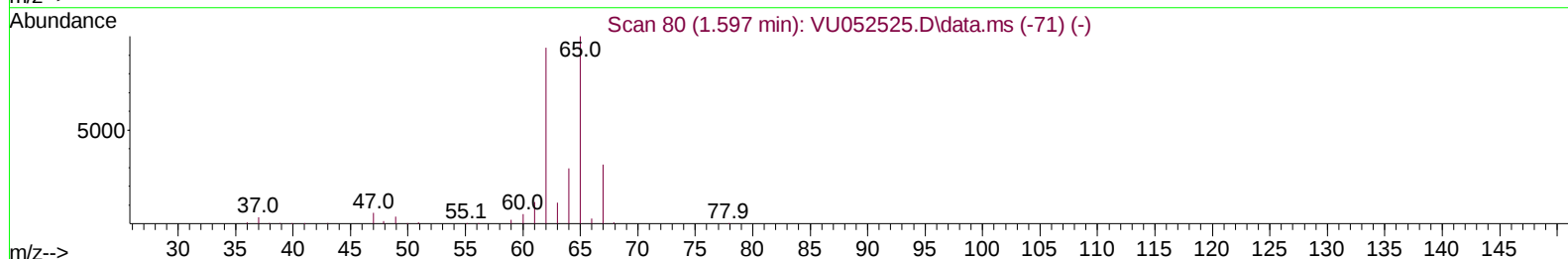
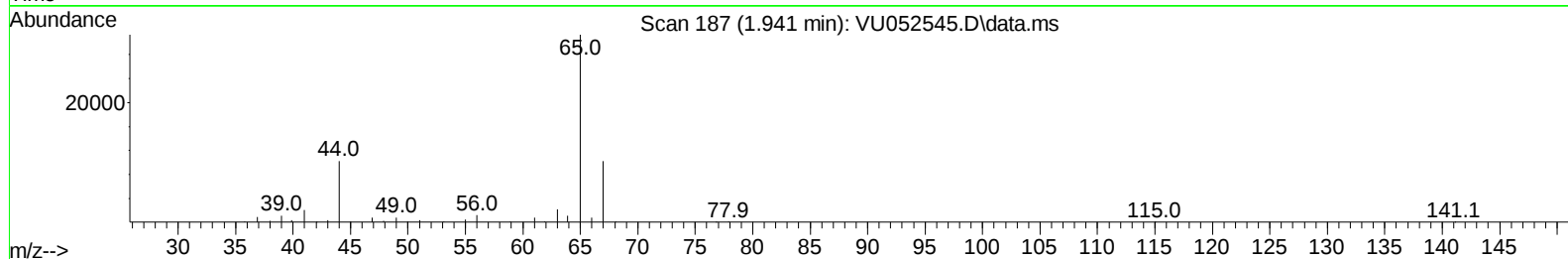
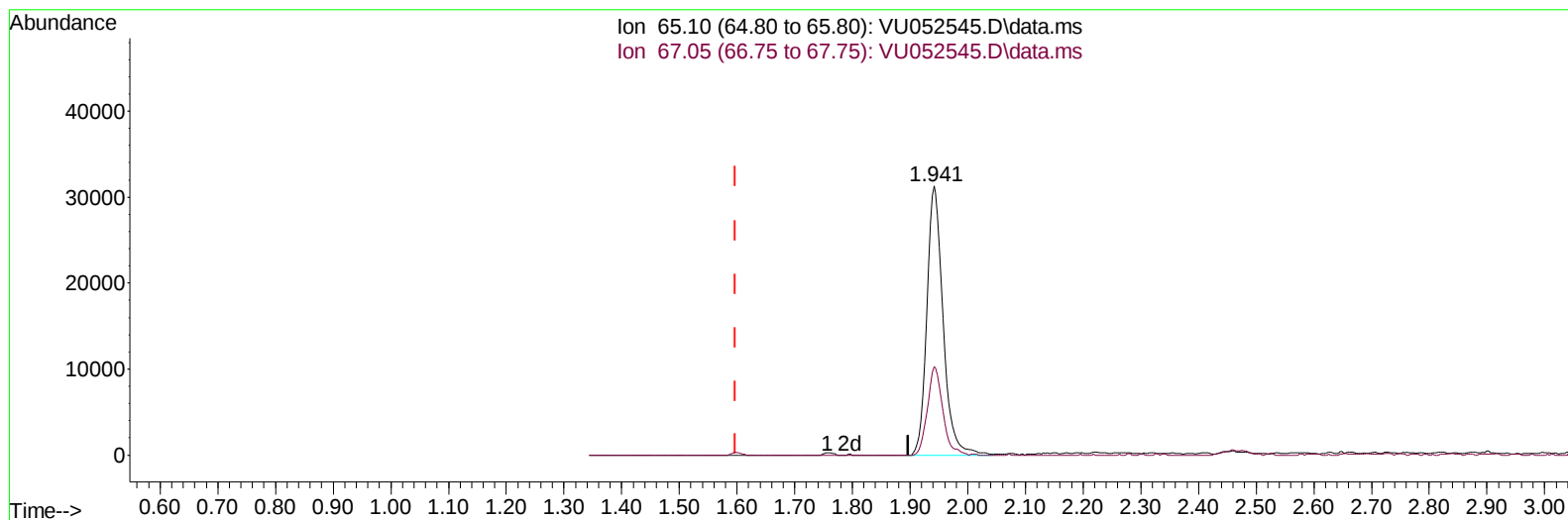
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
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Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/28/2022



TIC: VU052545.D\data.ms

(4) Vinyl Chloride-d3 (S)

1.941min (+ 0.344) 3.86 ug/L m

response 61682

Ion	Exp%	Act%
65.10	100.00	100.00
67.05	31.40	0.57#
0.00	0.00	0.00
0.00	0.00	0.00

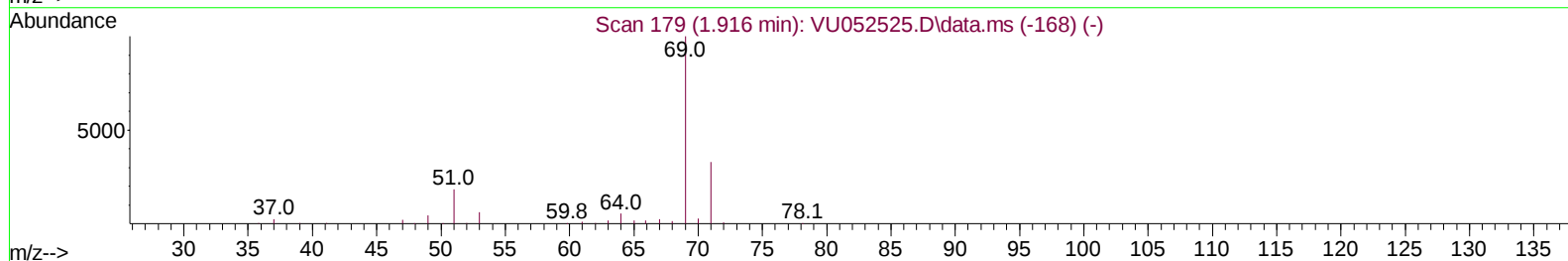
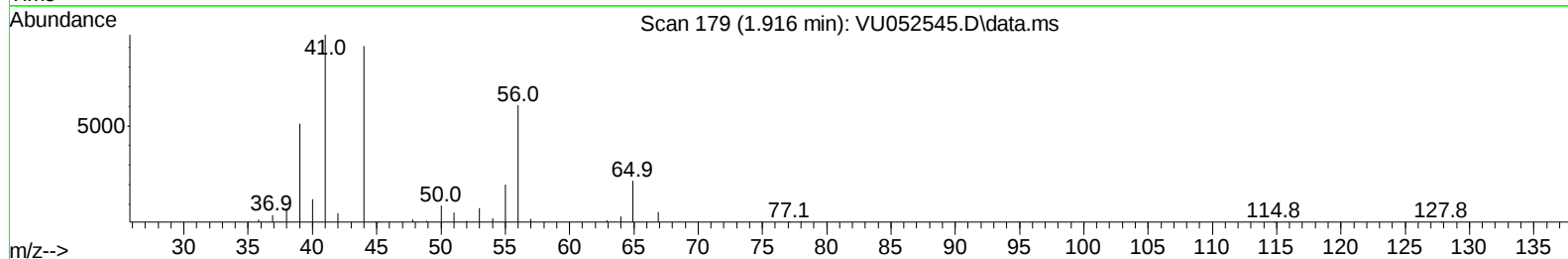
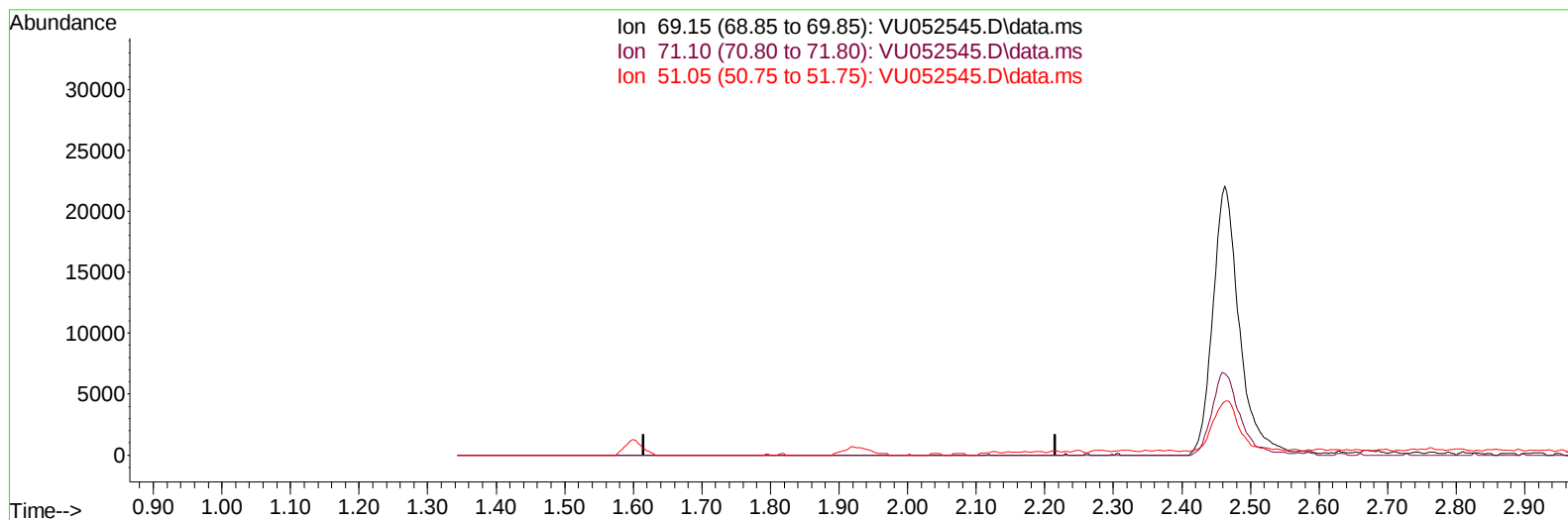
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/28/2022

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TIC: VU052545.D\data.ms

(7) Chloroethane-d5 (S)

1.916min (-1.916) 0.00 ug/L

response 0

Ion	Exp%	Act%
69.15	100.00	0.00
71.10	31.20	0.00#
51.05	26.00	0.00#
0.00	0.00	0.00

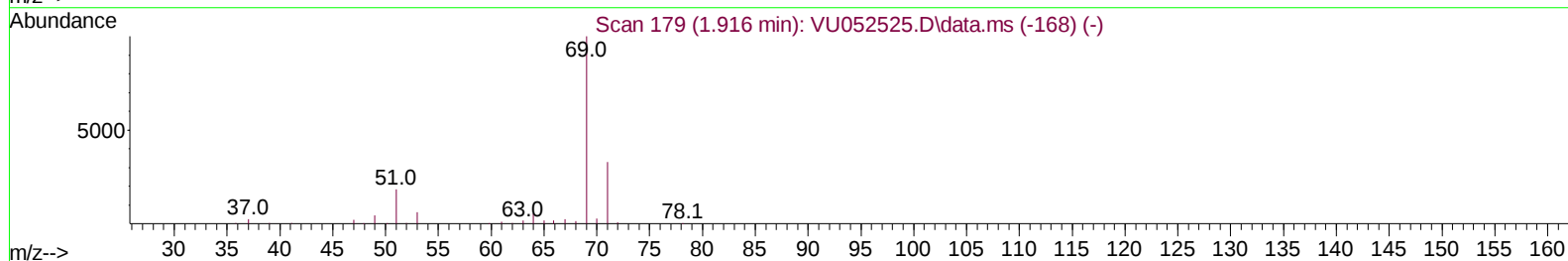
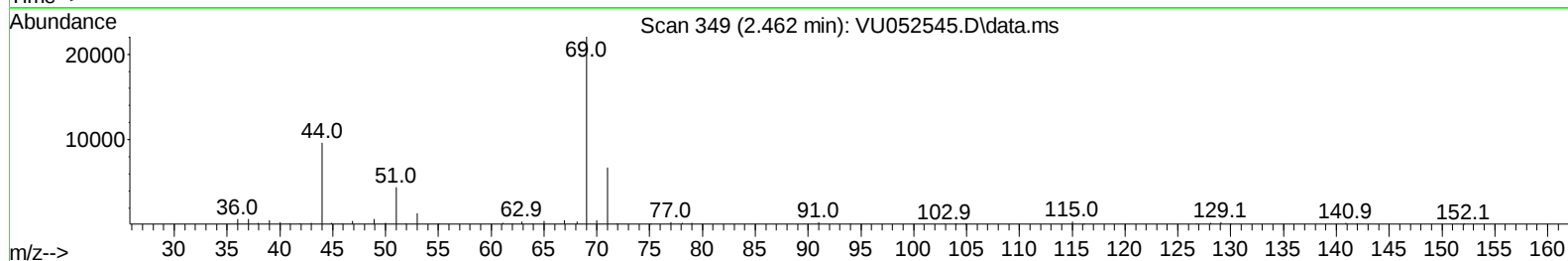
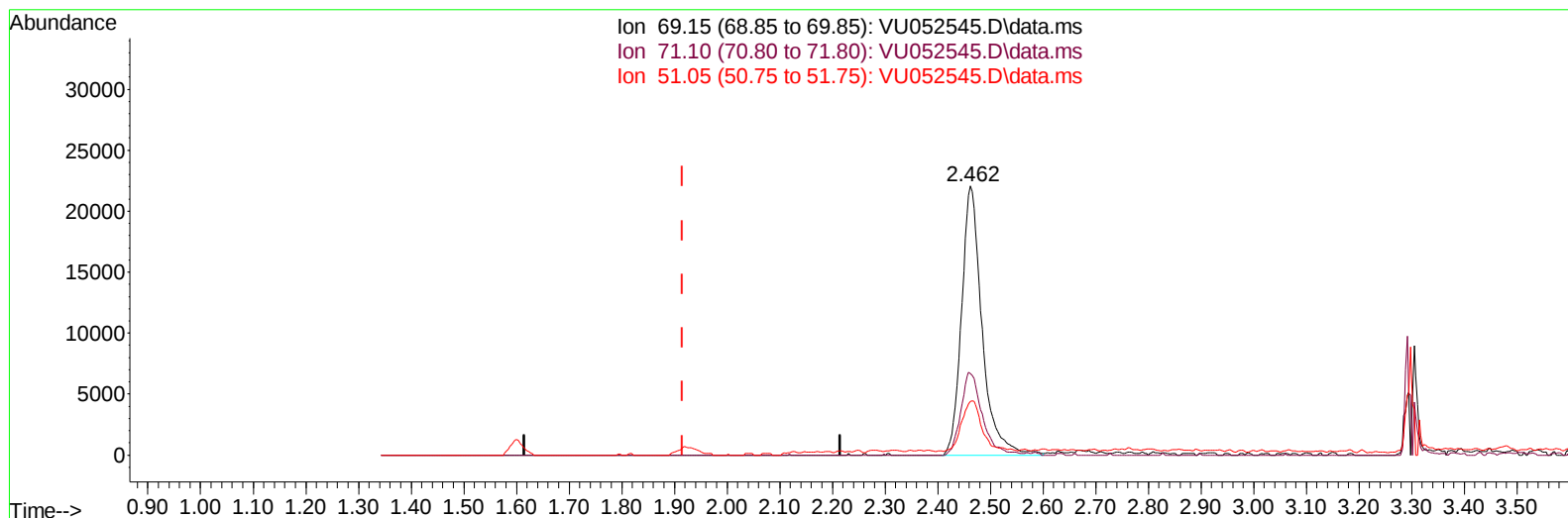
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052545.D
Acq On : 23 Dec 2022 18:18
Operator : JC/MD
Sample : N6171-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD4

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 12/27/2022
Supervised By :Mahesh Dadoda 12/28/2022

Quant Time: Dec 24 03:58:24 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Dec 24 03:53:16 2022
Response via : Initial Calibration



TIC: VU052545.D\data.ms

(7) Chloroethane-d5 (S)

2.462min (+ 0.546) 4.33 ug/L m

response 59782

Ion	Exp%	Act%
69.15	100.00	100.00
71.10	31.20	0.00#
51.05	26.00	0.00#
0.00	0.00	0.00

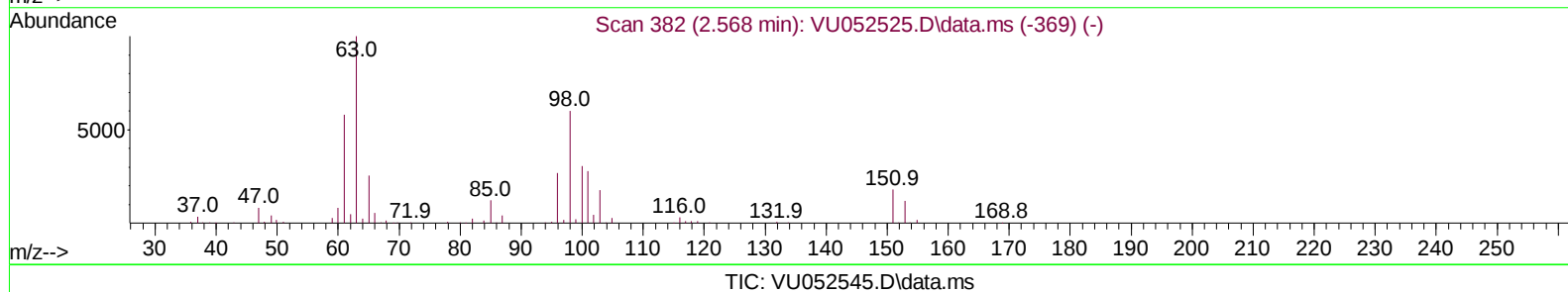
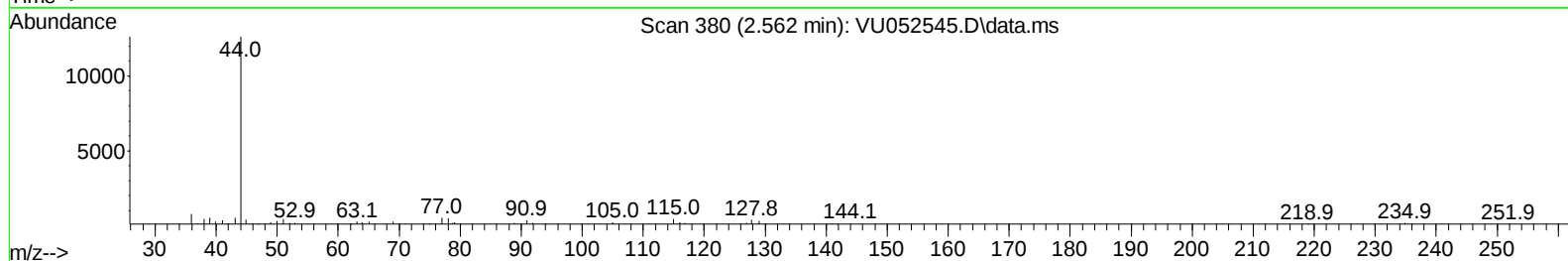
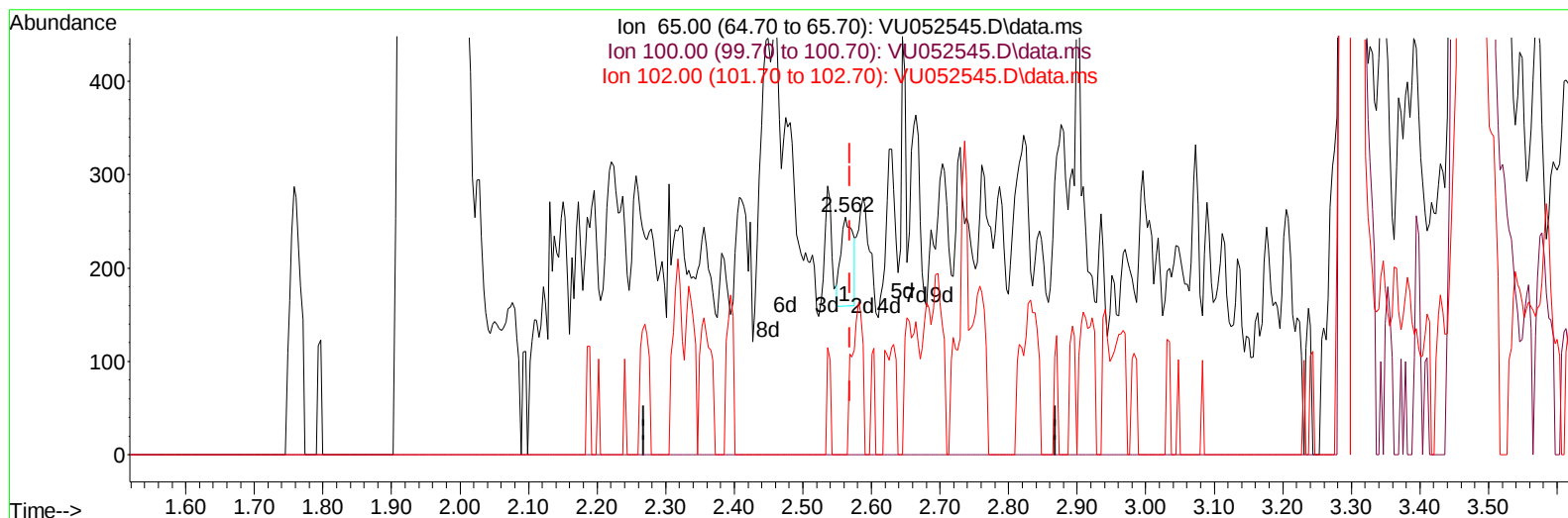
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
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 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

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Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/28/2022



(11) 1,1-Dichloroethene-d2 (S)

2.562min (-0.007) 0.02 ug/L

response 115

Ion	Exp%	Act%
65.00	100.00	100.00
100.00	124.20	0.00#
102.00	18.70	0.00#
0.00	0.00	0.00

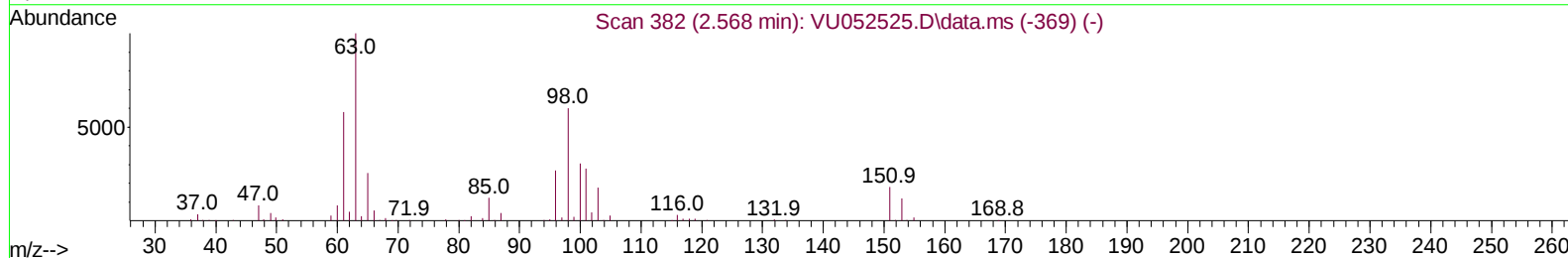
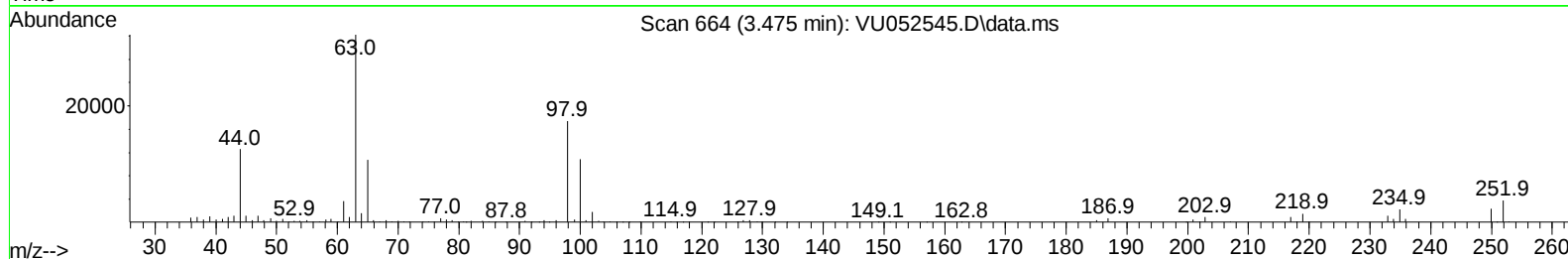
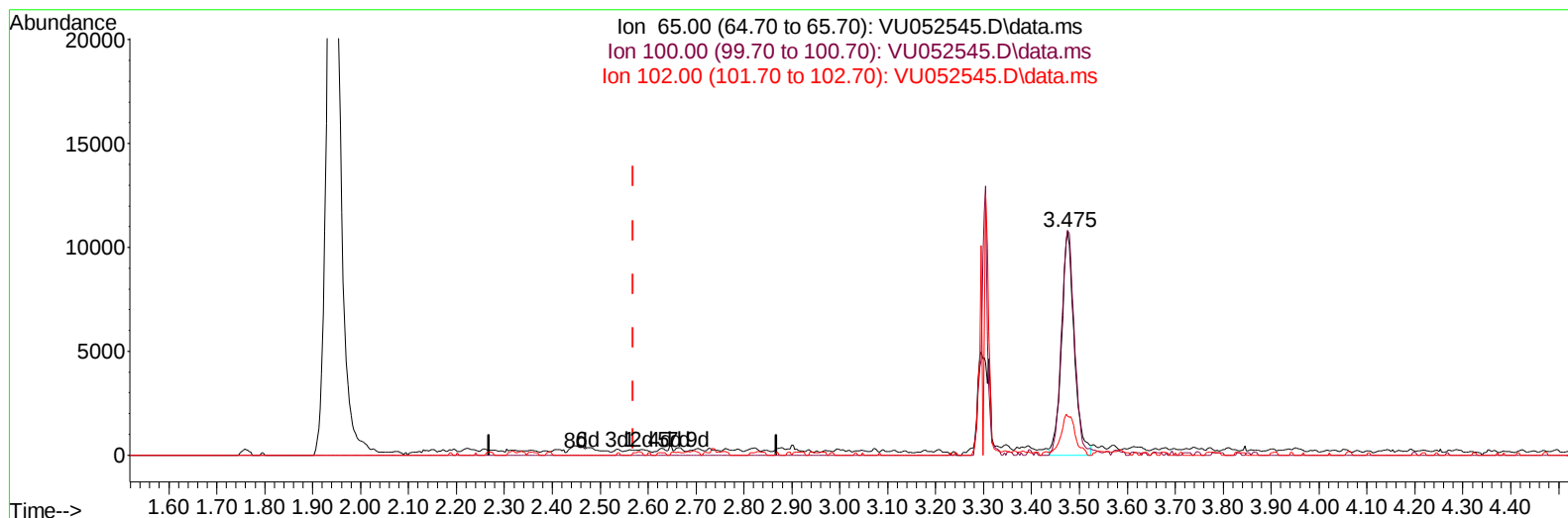
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/28/2022

Quant Time: Dec 24 03:58:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration



TIC: VU052545.D\data.ms

(11) 1,1-Dichloroethene-d2 (S)

3.475min (+ 0.907) 2.86 ug/L m

response 19671

Ion	Exp%	Act%
65.00	100.00	100.00
100.00	124.20	0.00#
102.00	18.70	0.00#
0.00	0.00	0.00

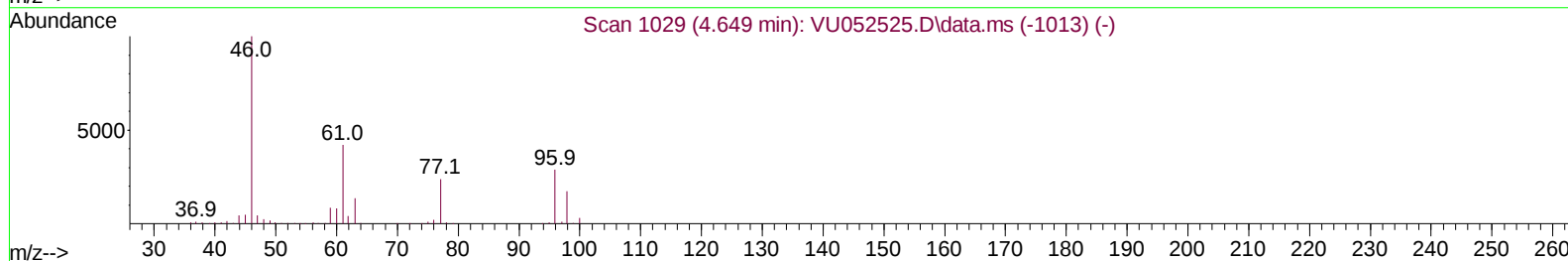
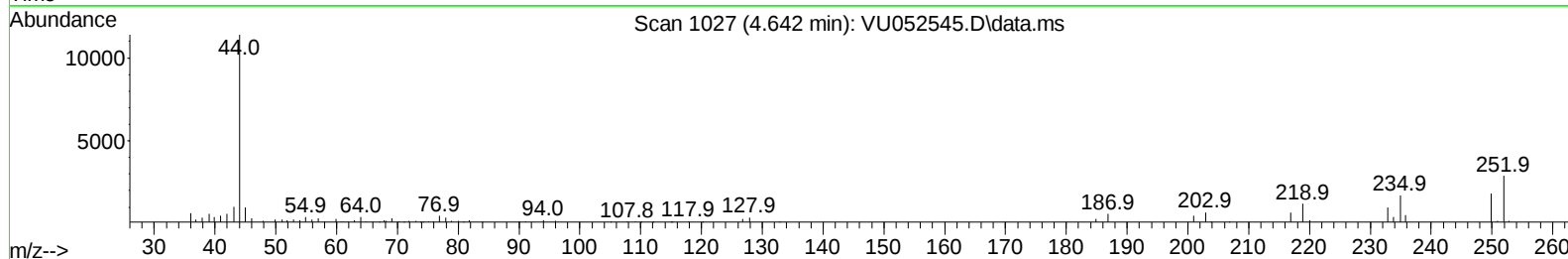
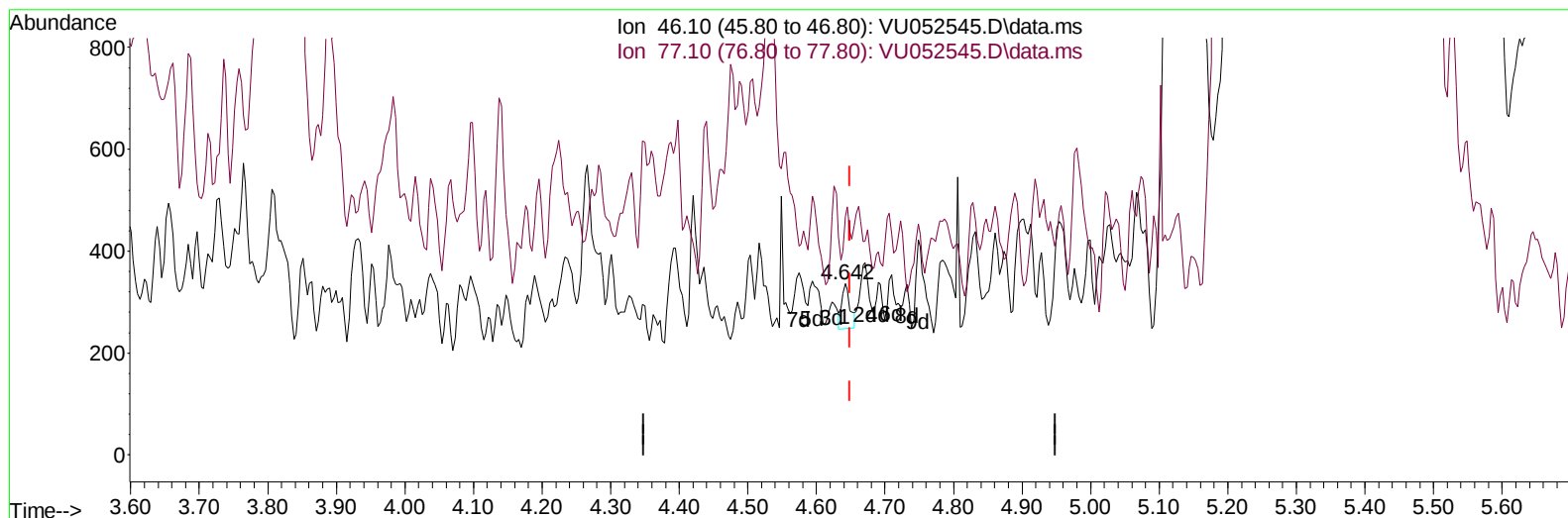
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(20) 2-Butanone-d5 (S)

4.642min (-0.007) 0.01 ug/L

response 72

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	21.60	118.06#
0.00	0.00	0.00
0.00	0.00	0.00

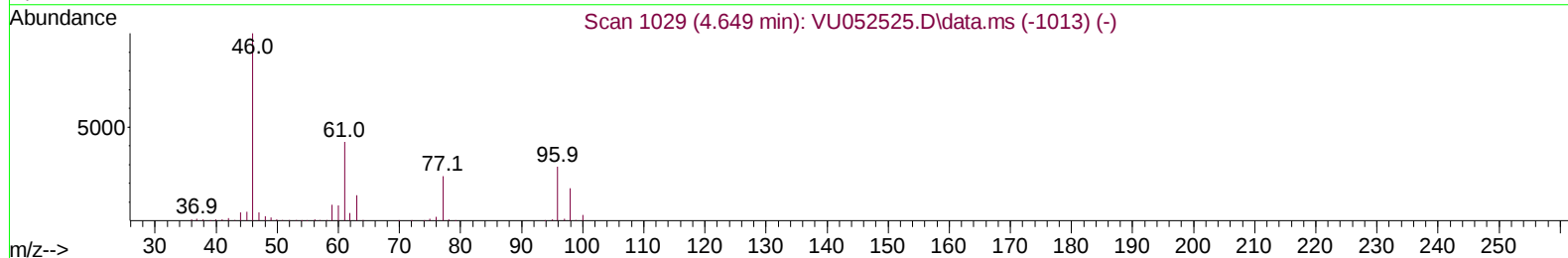
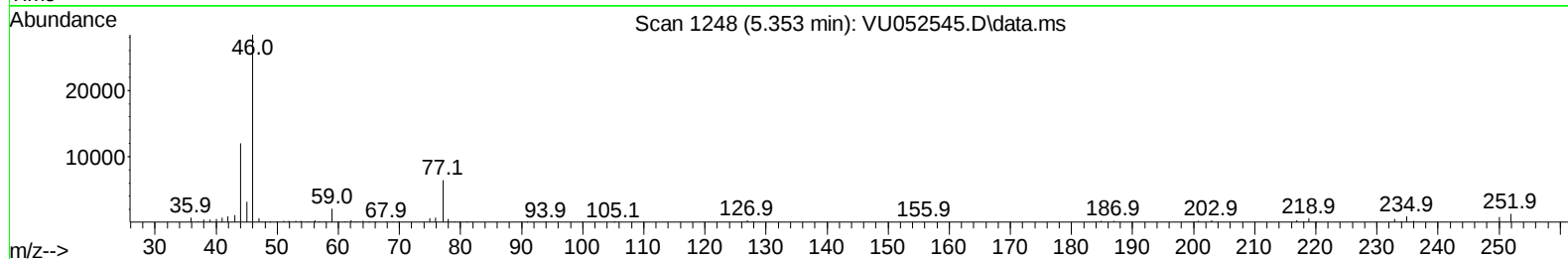
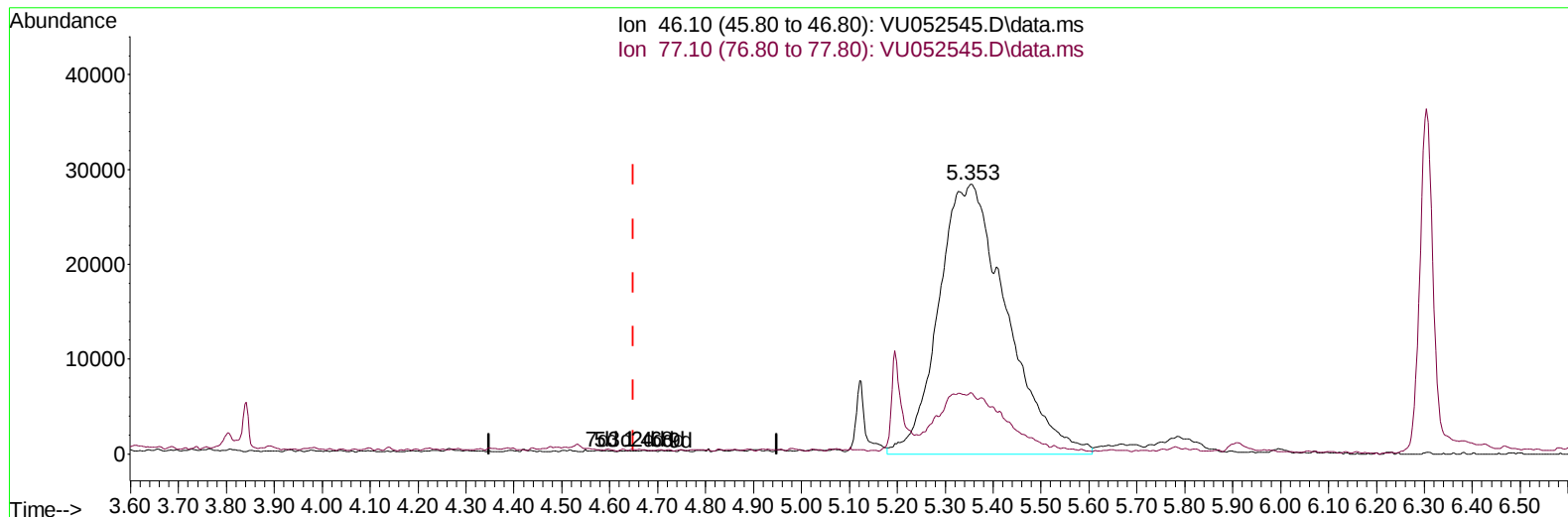
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
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 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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TIC: VU052545.D\data.ms

(20) 2-Butanone-d5 (S)

5.353min (+ 0.704) 56.50 ug/L m

response 280265

Ion	Exp%	Act%
46.10	100.00	100.00
77.10	21.60	0.03#
0.00	0.00	0.00
0.00	0.00	0.00

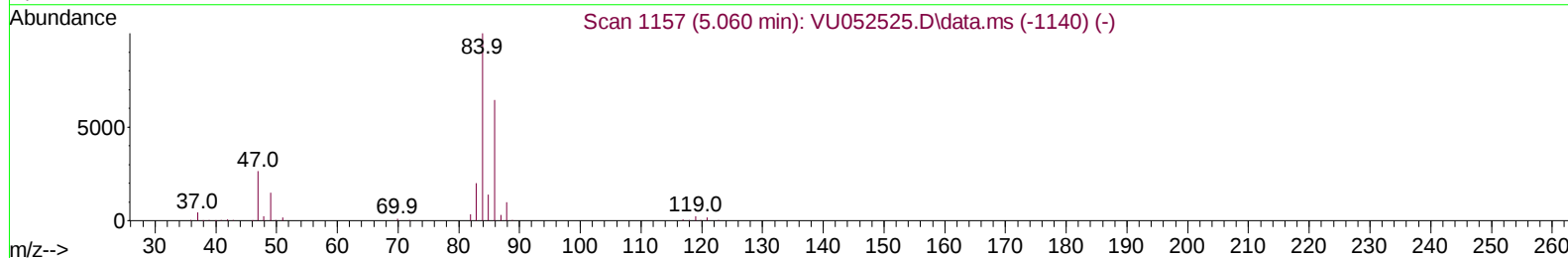
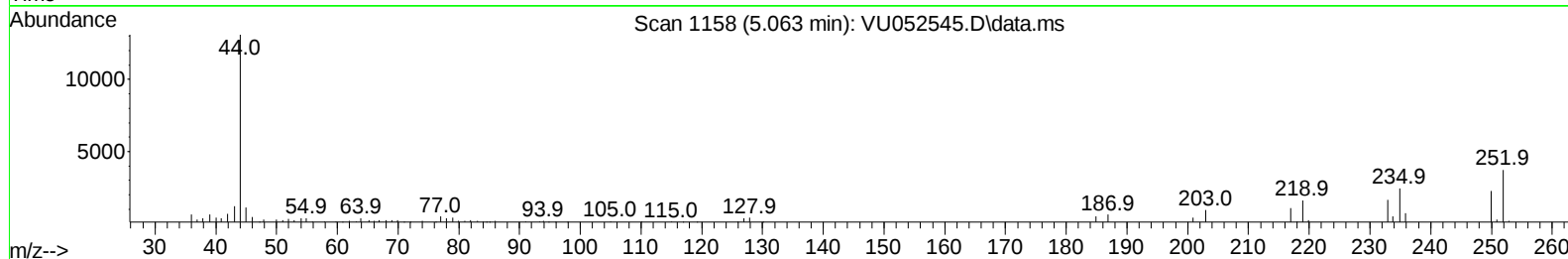
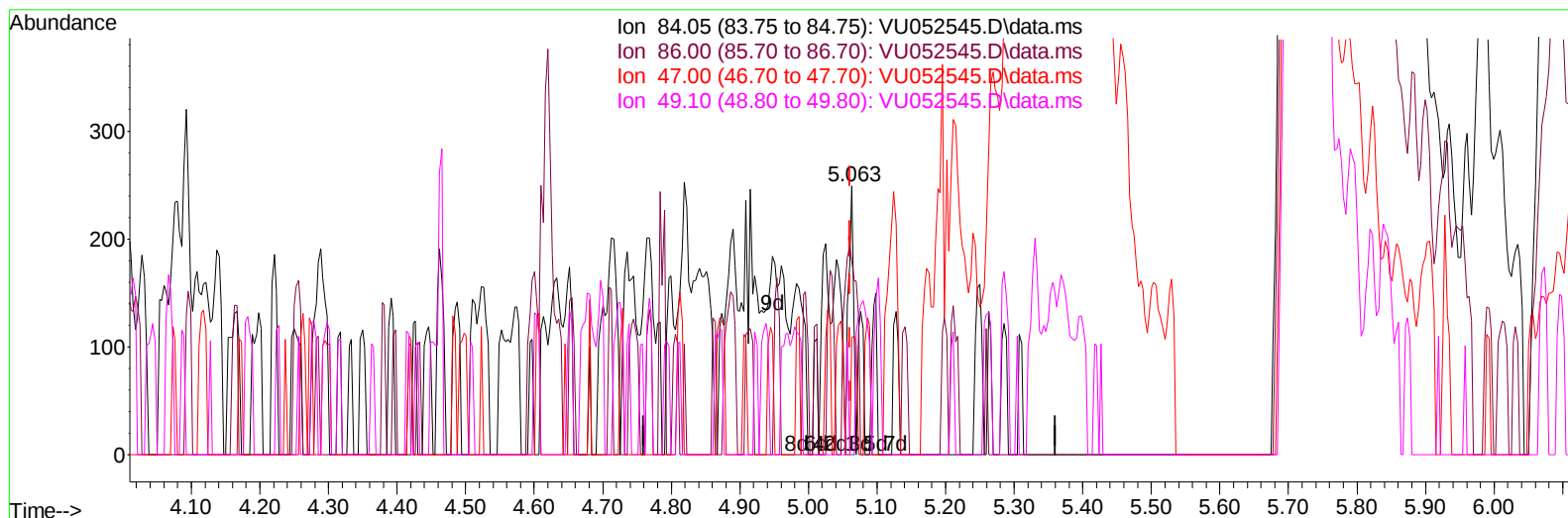
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
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 Operator : JC/MD
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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(24) Chloroform-d (S)

5.063min (+ 0.003) 0.00 ug/L

response 130

Ion	Exp%	Act%
84.05	100.00	100.00
86.00	62.60	191.54#
47.00	46.60	47.69
49.10	27.30	15.38#

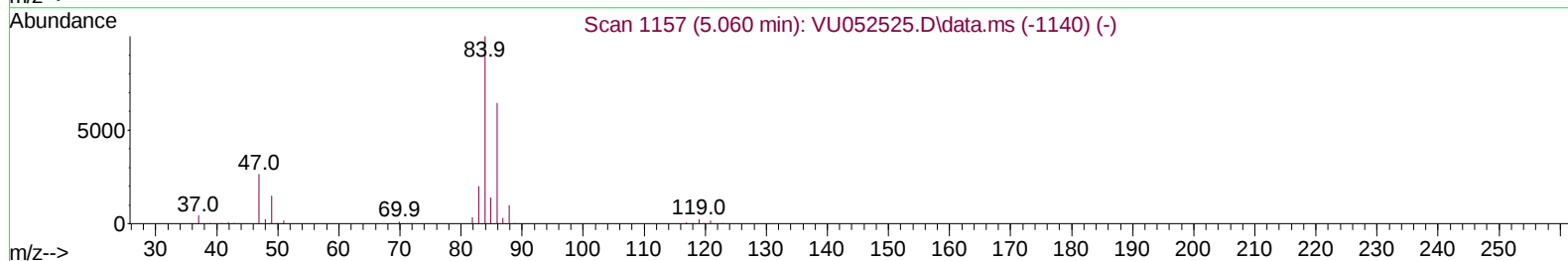
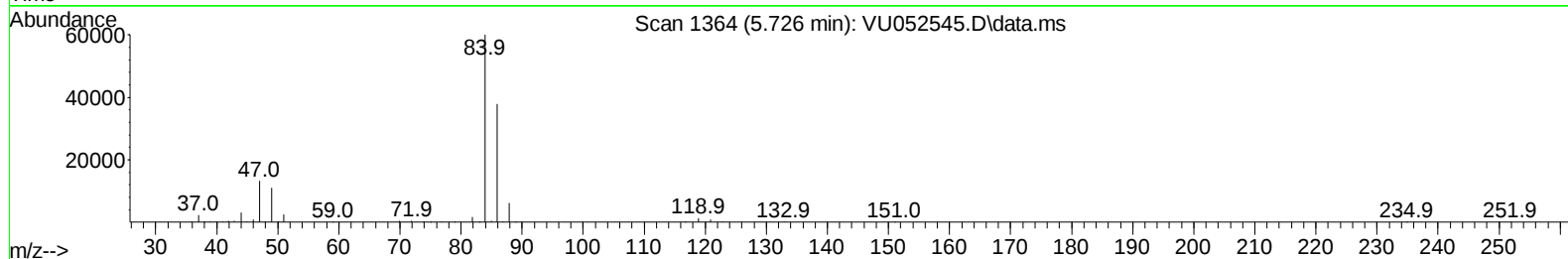
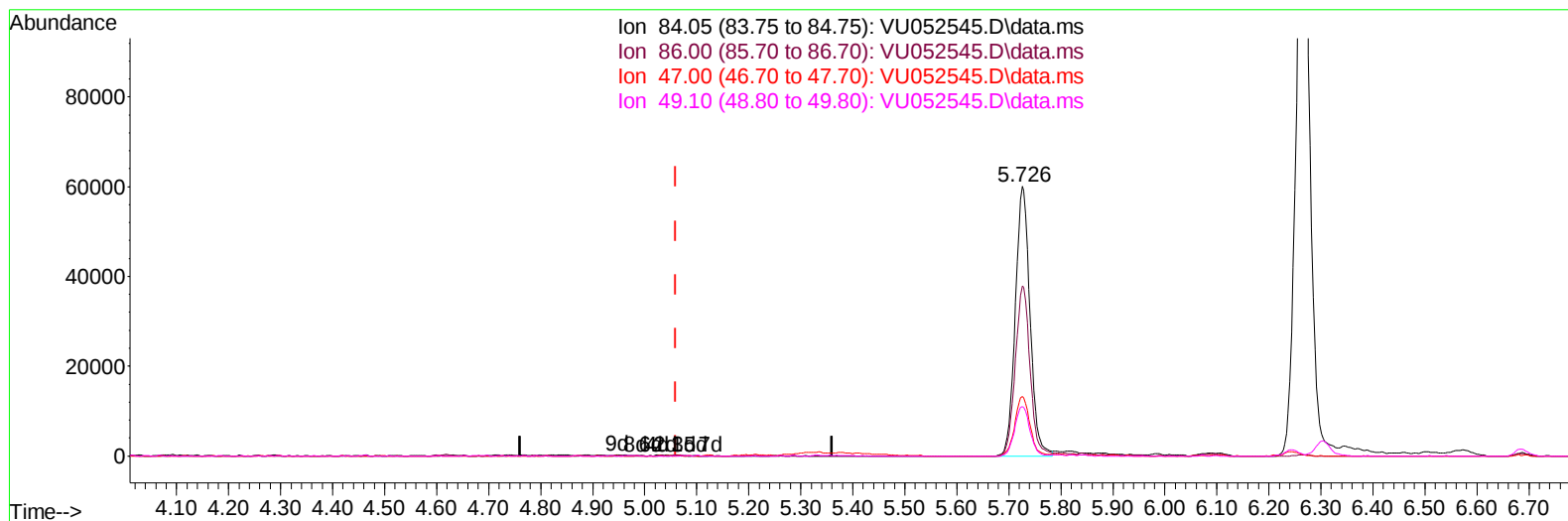
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
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Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(24) Chloroform-d (S)

5.726min (+ 0.665) 4.37 ug/L m

response 117837

Ion	Exp%	Act%
84.05	100.00	100.00
86.00	62.60	0.21#
47.00	46.60	0.05#
49.10	27.30	0.02#

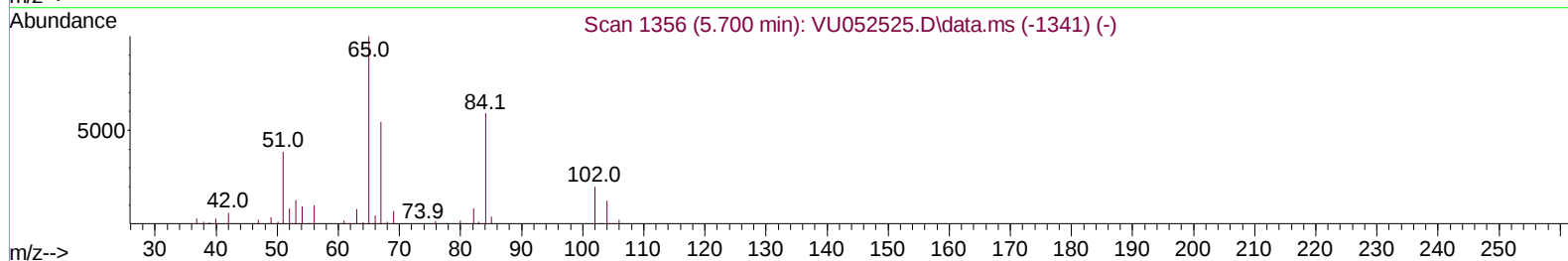
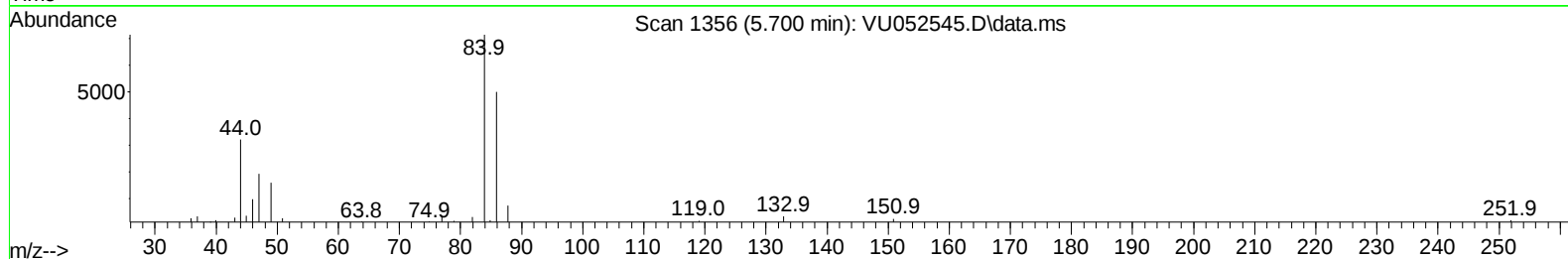
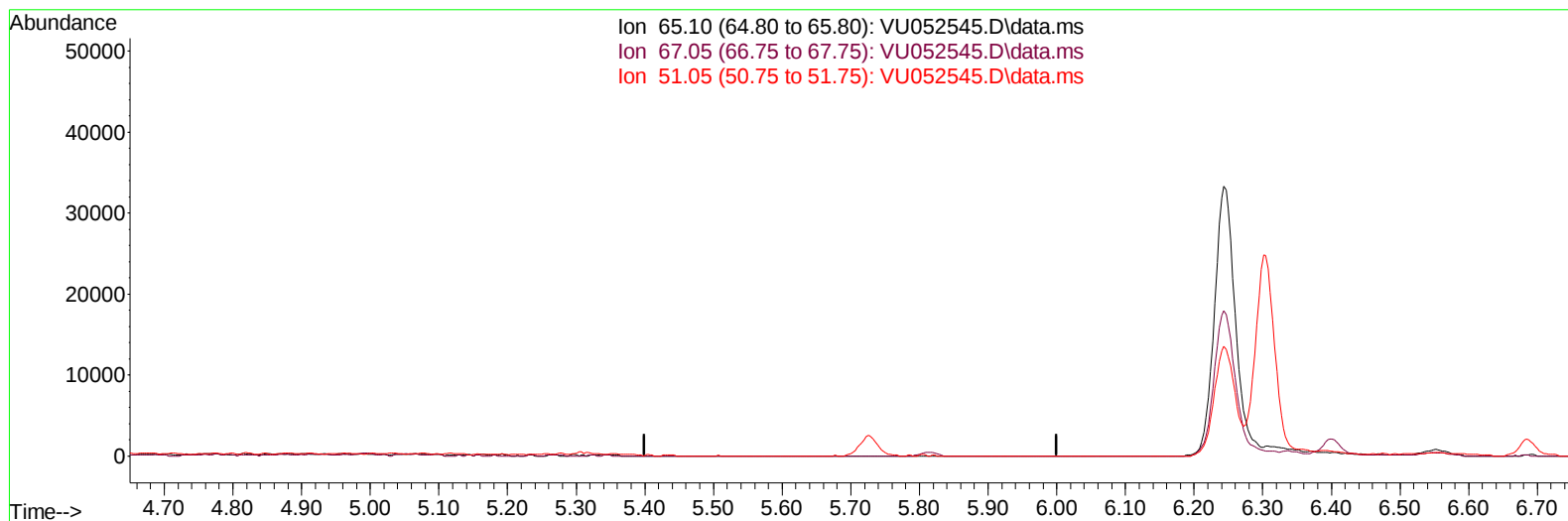
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

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

5.700min (-5.700) 0.00 ug/L

response 0

Ion	Exp%	Act%
65.10	100.00	0.00
67.05	53.80	0.00#
51.05	39.50	0.00#
0.00	0.00	0.00

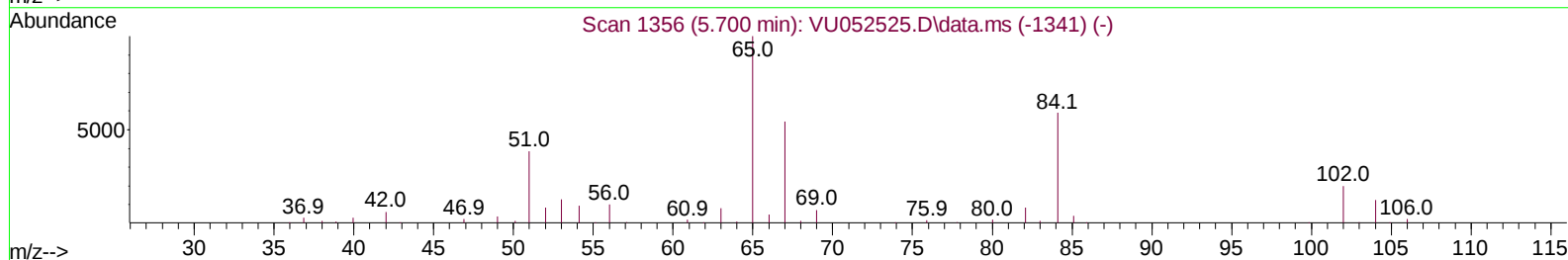
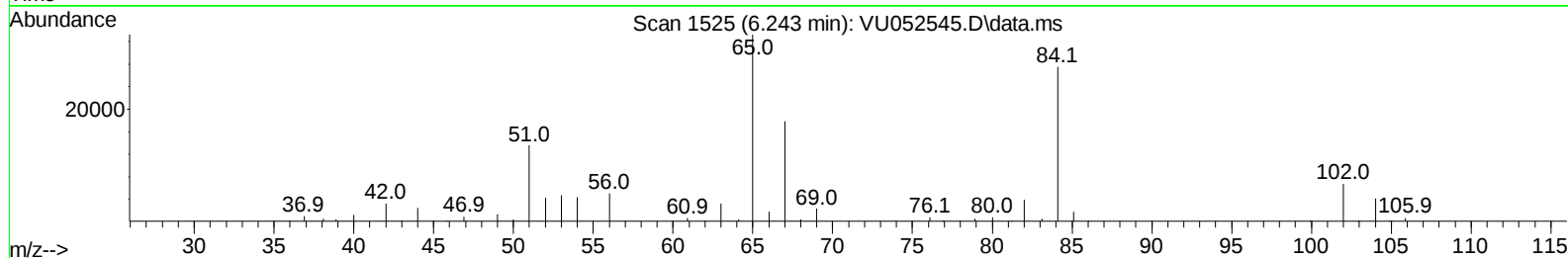
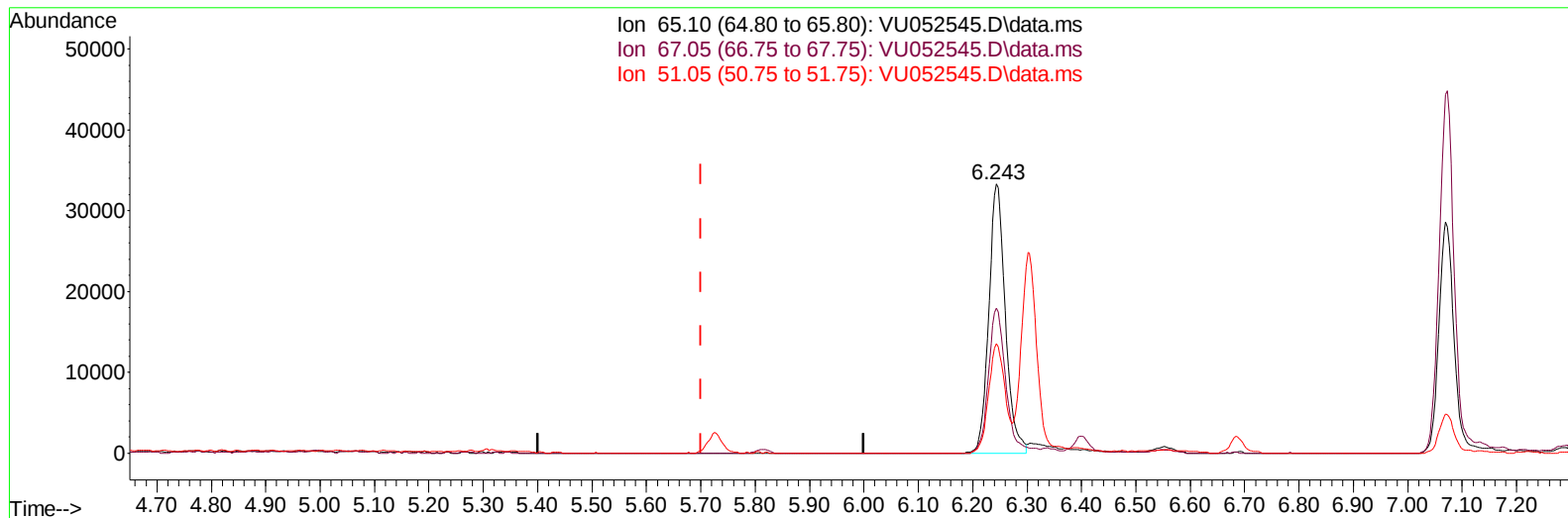
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
 Acq On : 23 Dec 2022 18:18
 Operator : JC/MD
 Sample : N6171-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD4

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:58:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/28/2022



TIC: VU052545.D\data.ms

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

6.243min (+ 0.543) 4.50 ug/L m

response 70507

Ion	Exp%	Act%
65.10	100.00	100.00
67.05	53.80	0.00#
51.05	39.50	0.00#
0.00	0.00	0.00

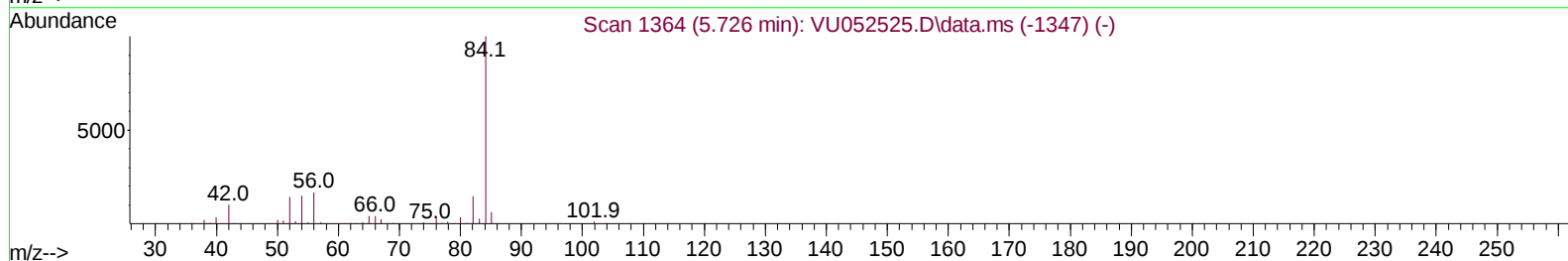
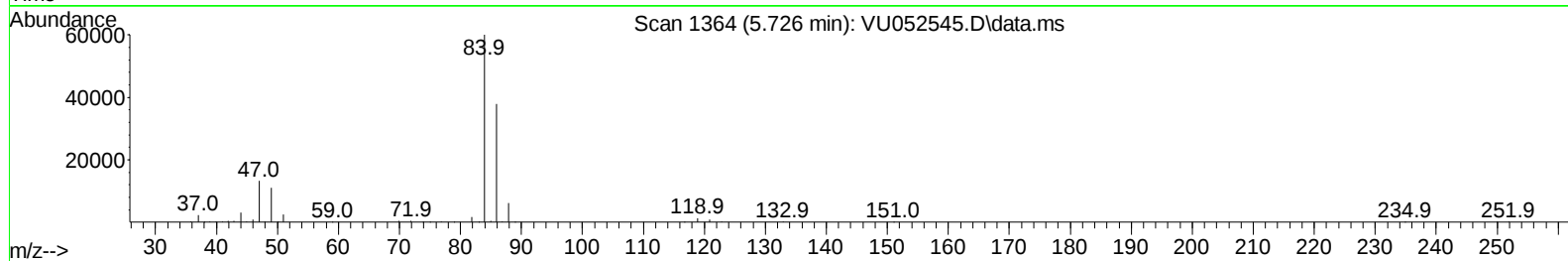
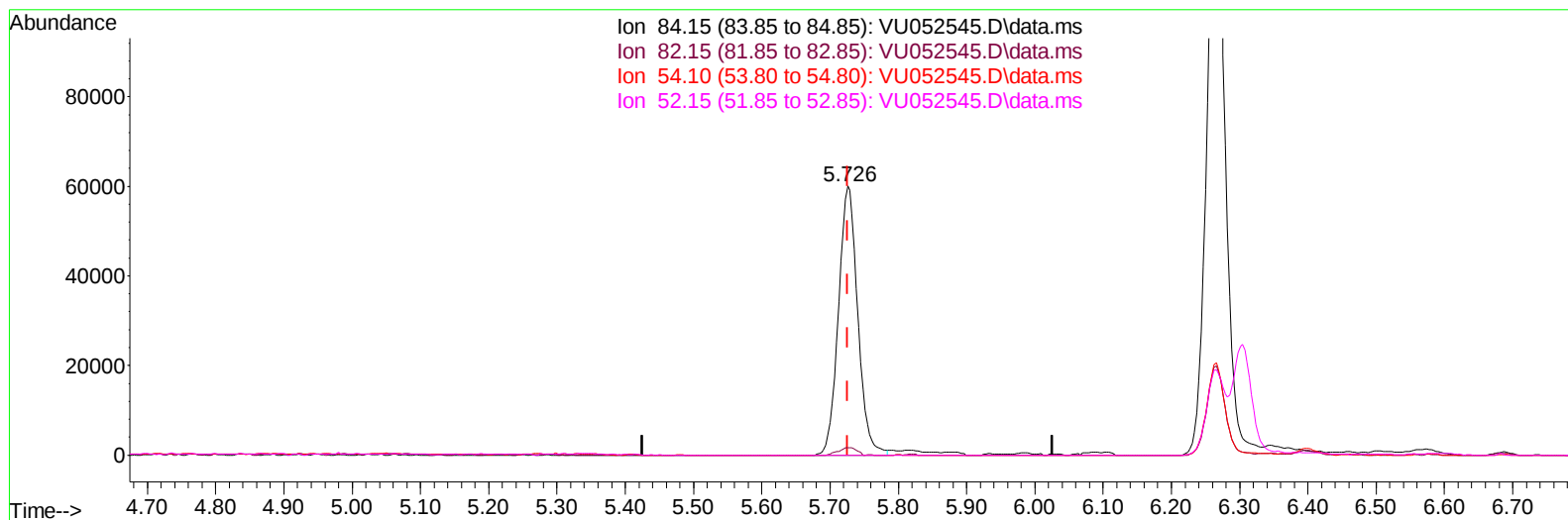
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052545.D
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TIC: VU052545.D\data.ms

(32) Benzene-d6 (S)

5.726min (-0.000) 2.23 ug/L

response 117973

Ion	Exp%	Act%
84.15	100.00	100.00
82.15	15.00	2.58#
54.10	15.70	0.07#
52.15	14.50	0.04#

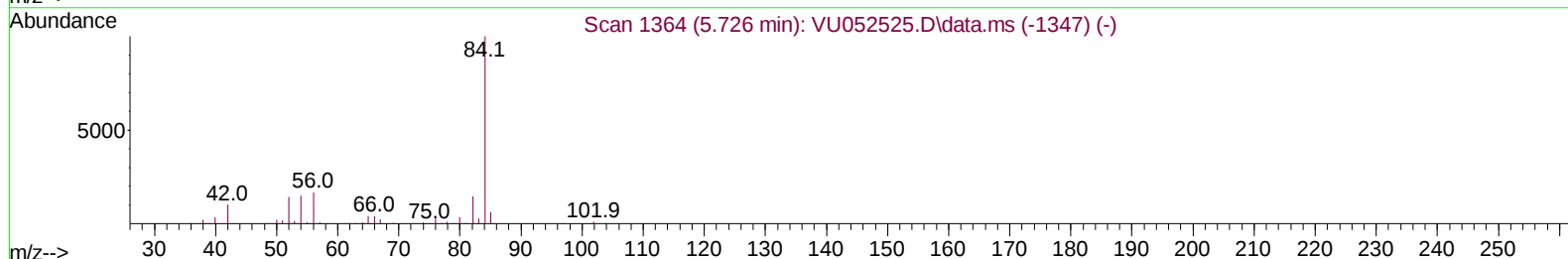
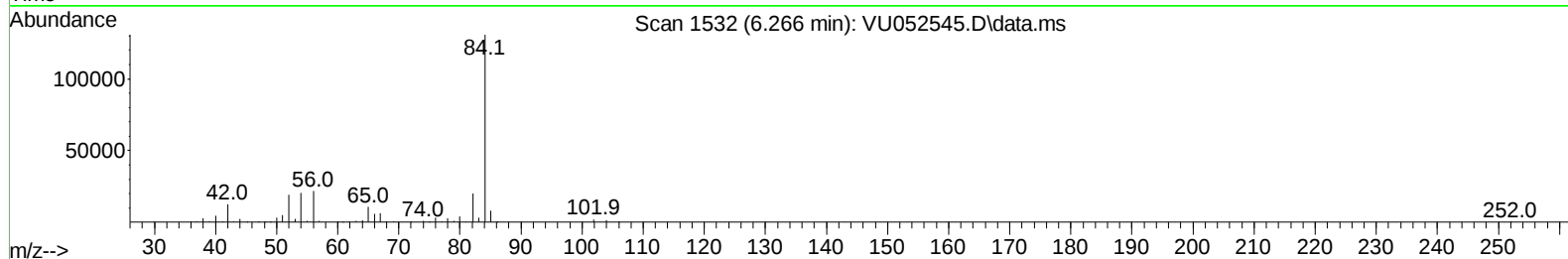
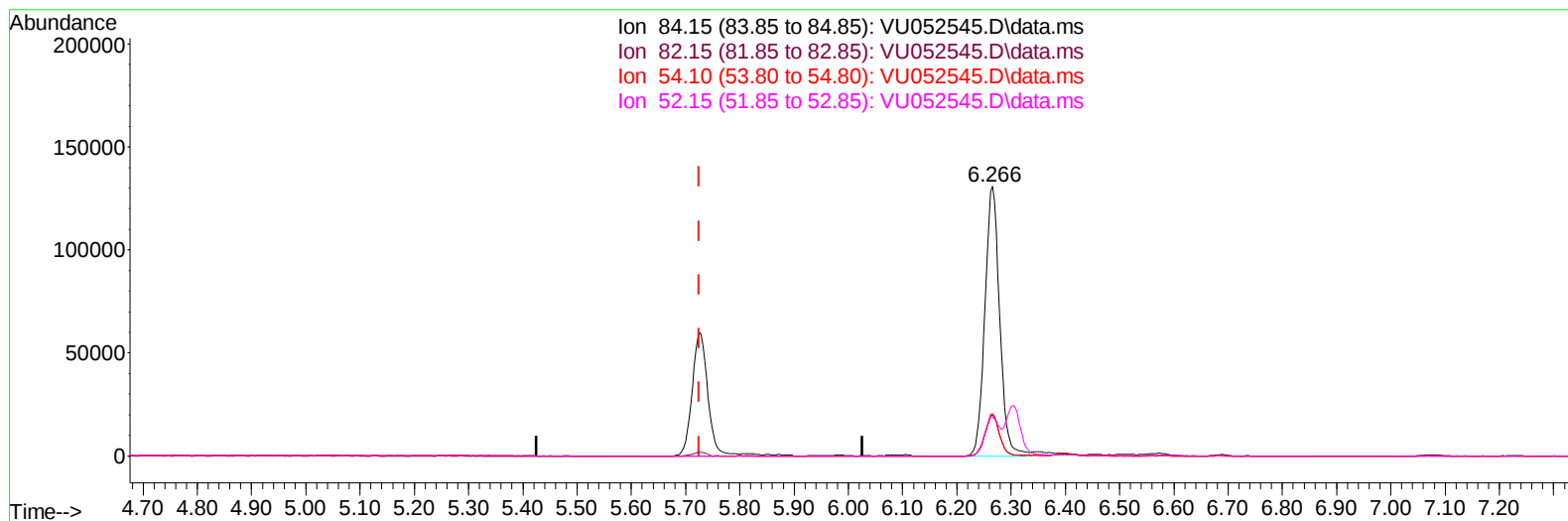
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052545.D
Acq On : 23 Dec 2022 18:18
Operator : JC/MD
Sample : N6171-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD4

Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(32) Benzene-d6 (S)

6.266min (+ 0.540) 4.68 ug/L m

response 247554

Ion	Exp%	Act%
84.15	100.00	100.00
82.15	15.00	1.23#
54.10	15.70	0.03#
52.15	14.50	0.02#

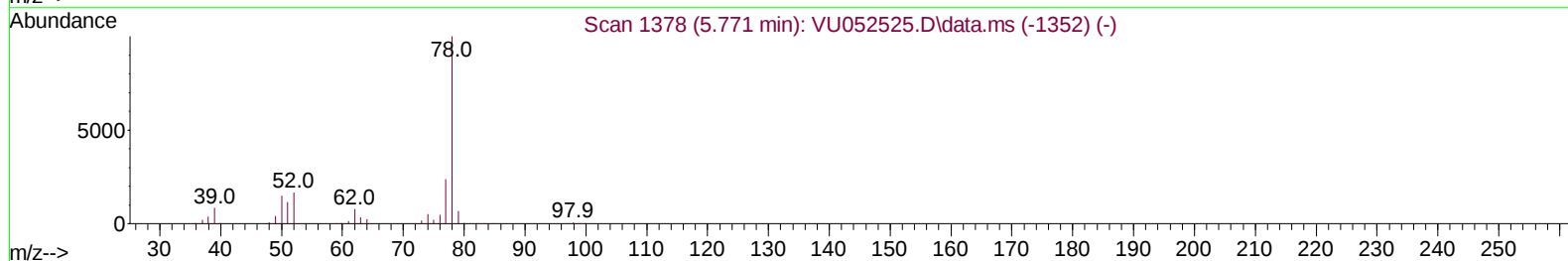
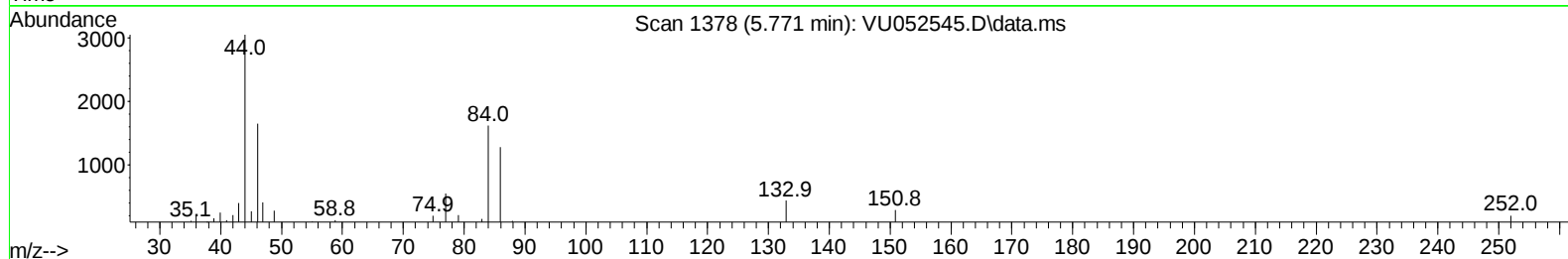
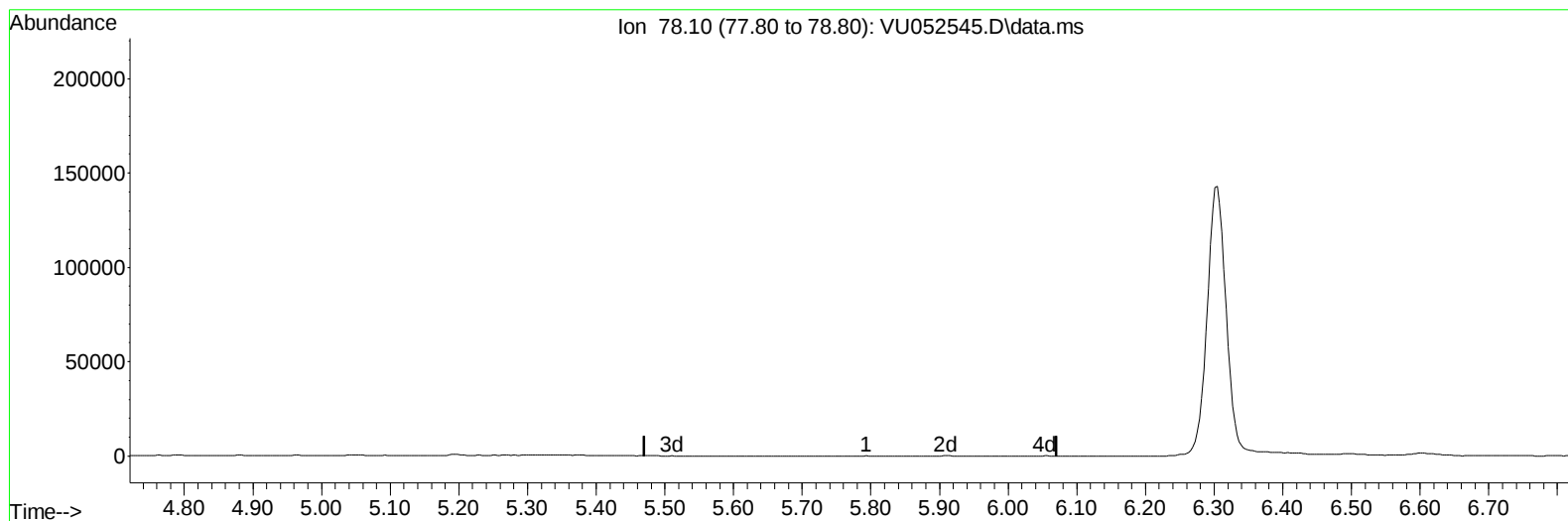
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
Data File : VU052545.D
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Instrument :
MSVOA_U
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Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(33) Benzene (T)

5.771min 0.00 ug/L d

response 0

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

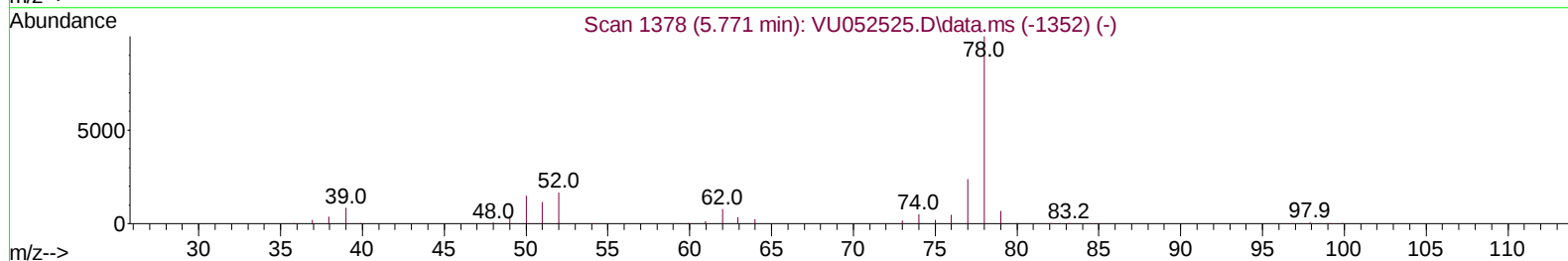
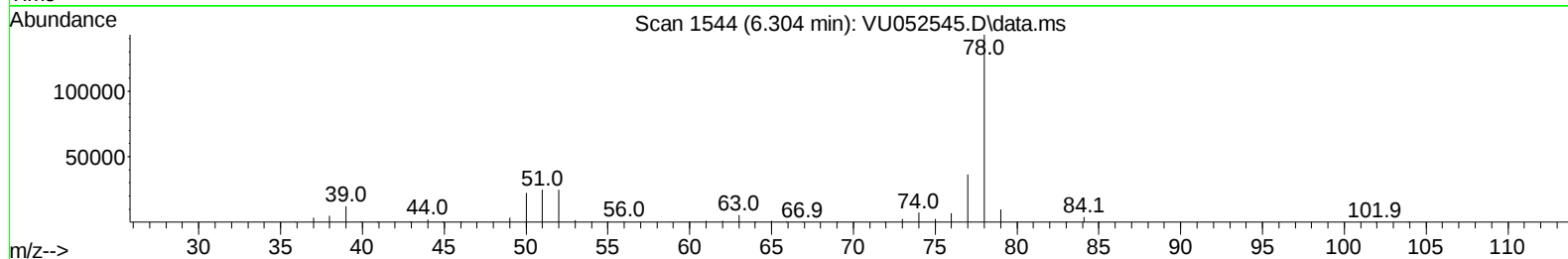
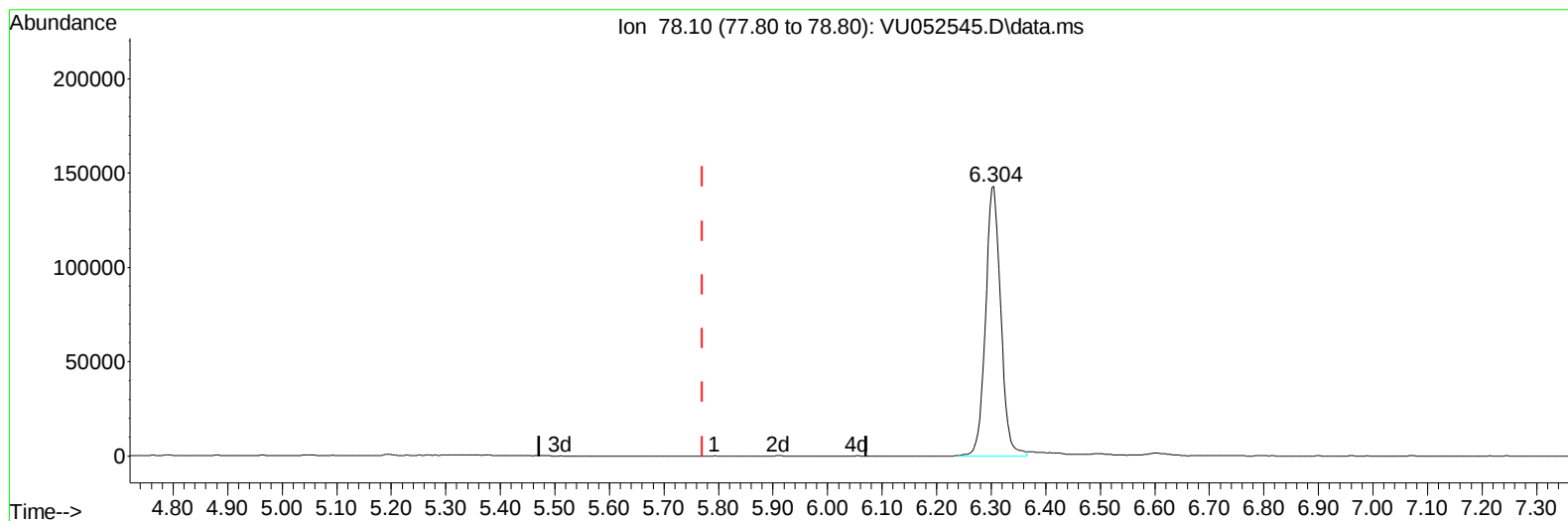
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
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Instrument :
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TIC: VU052545.D\data.ms

(33) Benzene (T)

6.304min (+ 0.534) 4.97 ug/L m

response 276546

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

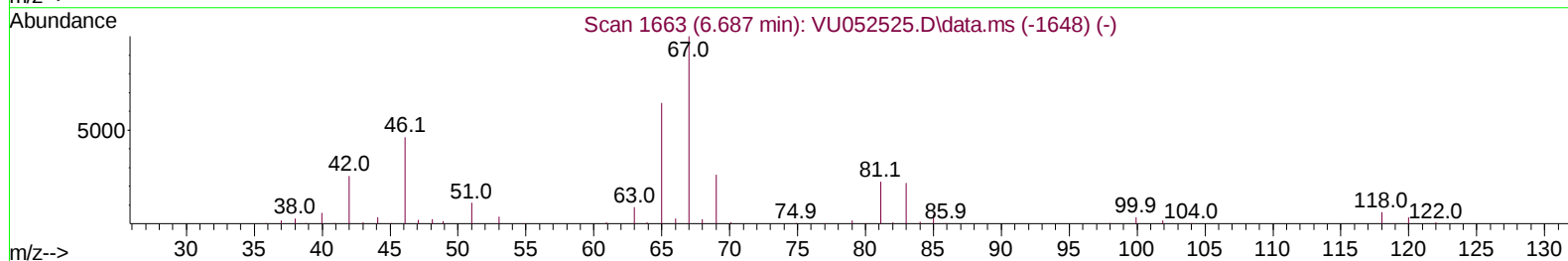
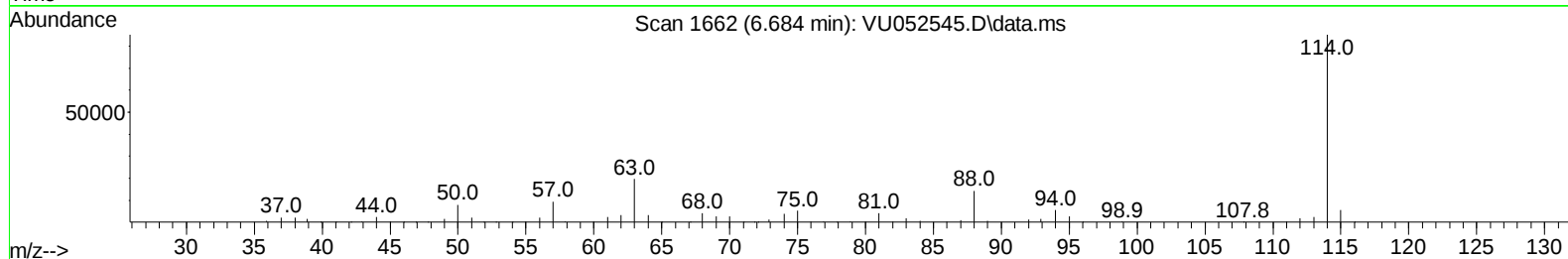
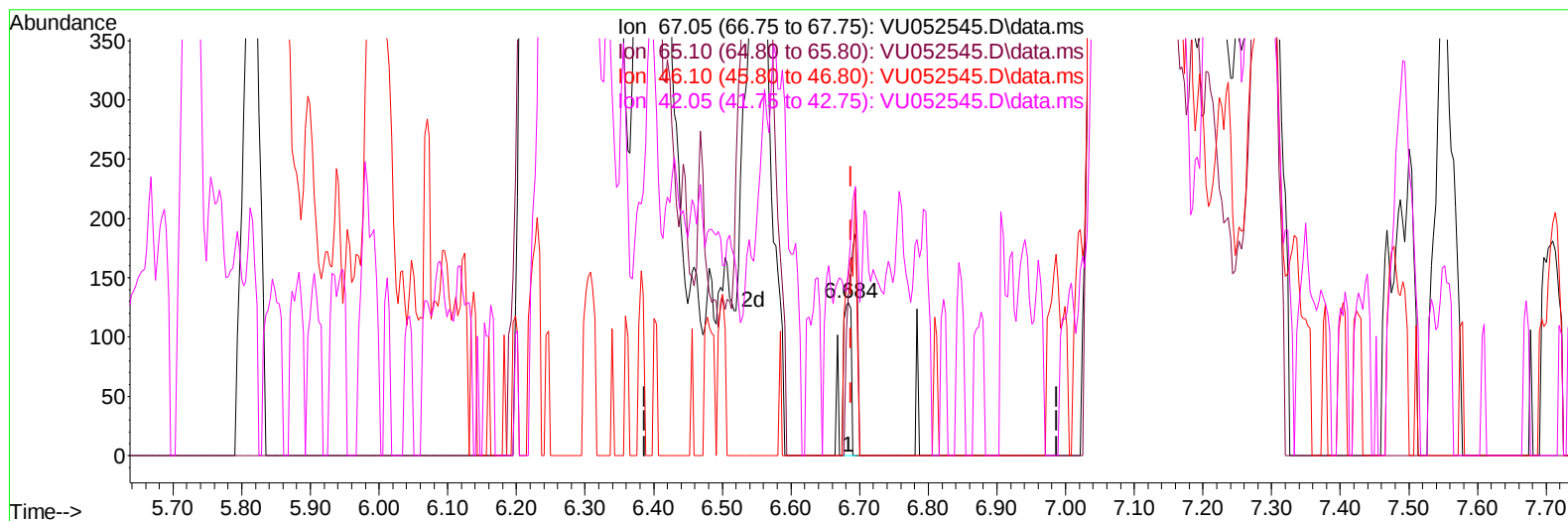
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD4

Manual IntegrationsAPPROVED

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TIC: VU052545.D\data.ms

(36) 1,2-Dichloropropane-d6 (S)

6.684min (-0.003) 0.01 ug/L

response 95

Ion	Exp%	Act%
67.05	100.00	100.00
65.10	64.20	184.21#
46.10	49.50	216.84#
42.05	28.40	66.32#

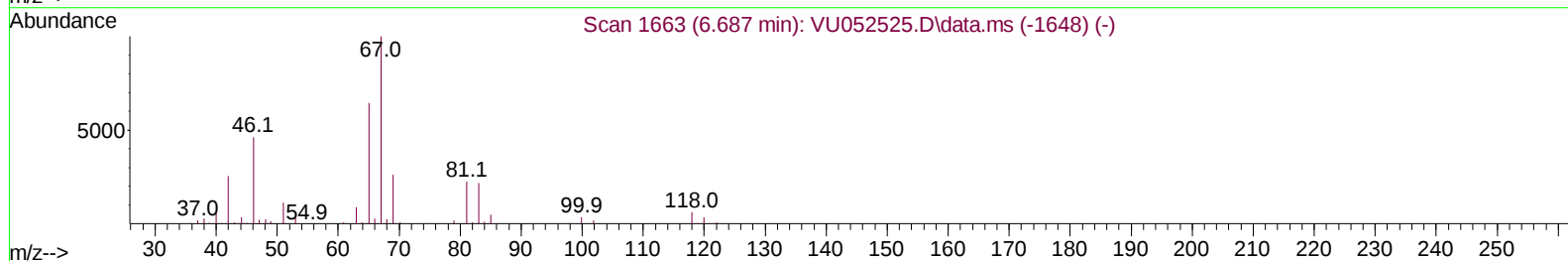
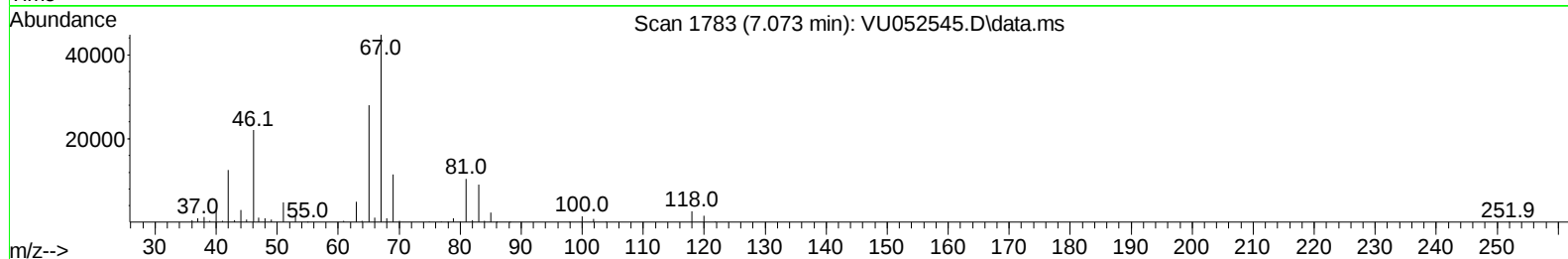
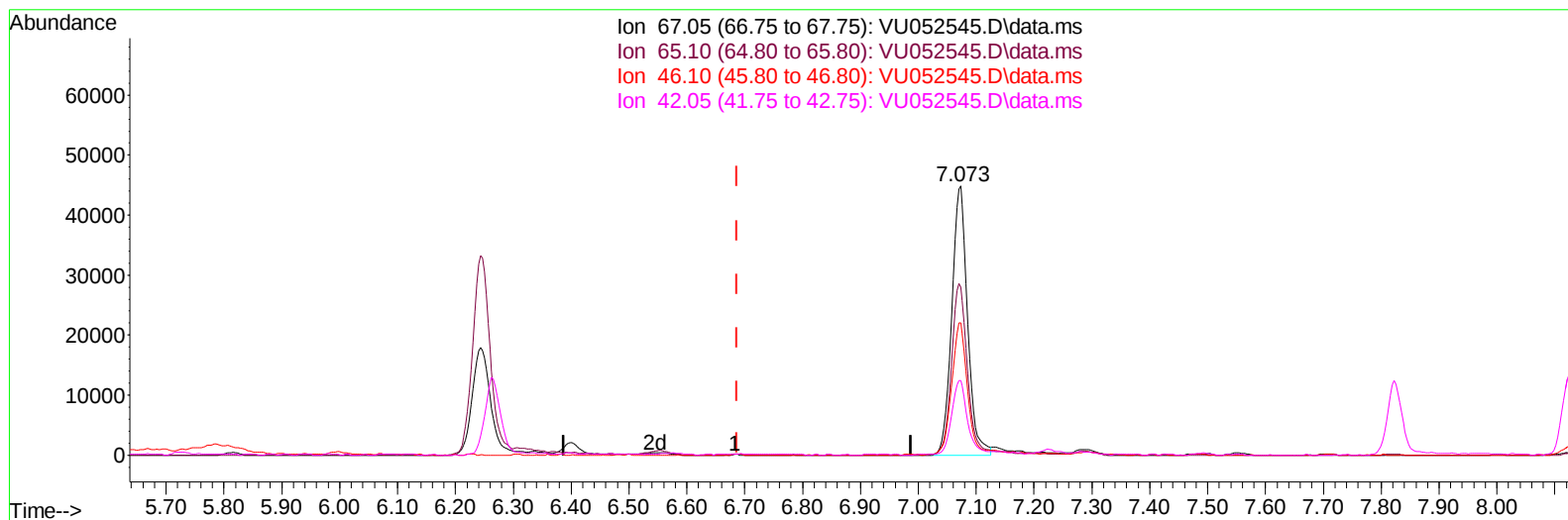
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Instrument :
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TIC: VU052545.D\data.ms

(36) 1,2-Dichloropropane-d6 (S)

7.073min (+ 0.386) 4.70 ug/L m

response 85680

Ion	Exp%	Act%
67.05	100.00	100.00
65.10	64.20	0.20#
46.10	49.50	0.24#
42.05	28.40	0.07#

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Difluorobenzene	6.687	114		157899m	5.000	ug/L	0.44
28) Chlorobenzene-d5	9.529	117		154356	5.000	ug/L	0.12
58) 1,4-Dichlorobenzene-d4	11.838	152		79274	5.000	ug/L	0.03
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.941	65		61682m	3.856	ug/L	0.34
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%	
7) Chloroethane-d5	2.462	69		59782m	4.333	ug/L	0.55
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%	
11) 1,1-Dichloroethene-d2	3.475	65		19671m	2.858	ug/L	0.91
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.200%#	
20) 2-Butanone-d5	5.353	46		280265m	56.497	ug/L	0.70
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.000%	
24) Chloroform-d	5.726	84		117837m	4.366	ug/L	0.67
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%	
26) 1,2-Dichloroethane-d4	6.243	65		70507m	4.504	ug/L	0.54
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%	
32) Benzene-d6	6.266	84		247554m	4.678	ug/L	0.54
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%	
36) 1,2-Dichloropropane-d6	7.073	67		85680m	4.703	ug/L	0.39
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%	
41) Toluene-d8	8.124	98		190418	4.286	ug/L	0.23
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%	
43) trans-1,3-Dichloroprop...	8.372	79		30486	4.887	ug/L	0.19
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%	
46) 2-Hexanone-d5	8.787	63		211944	62.102	ug/L	0.15
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.200%	
56) 1,1,2,2-Tetrachloroeth...	10.799	84		85940	5.556	ug/L	0.05
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.200%	
66) 1,2-Dichlorobenzene-d4	12.214	152		80285	4.974	ug/L	0.03
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%	
Target Compounds							
33) Benzene	6.304	78		276546m	4.974	ug/L	
54) o-Xylene	10.176	106		11509	0.590	ug/L	99
63) 1,2,4-Trimethylbenzene	11.497	105		6298	0.148	ug/L	91

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

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