

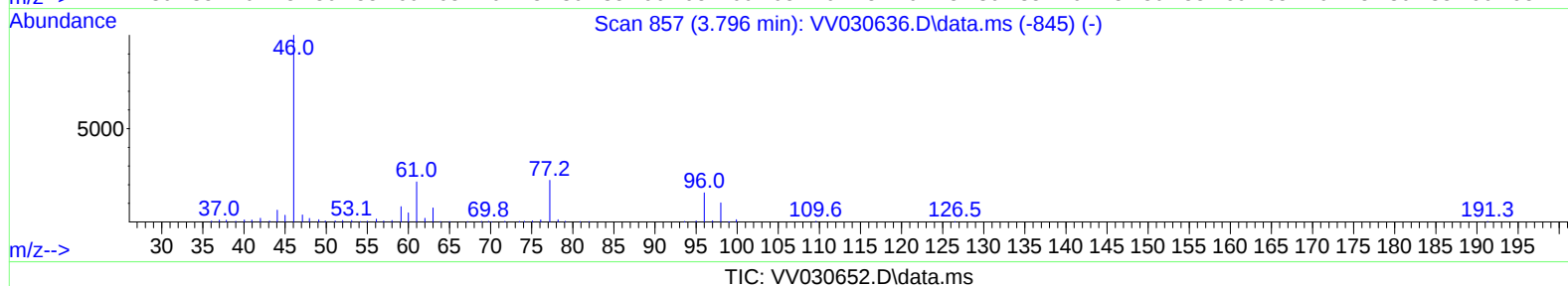
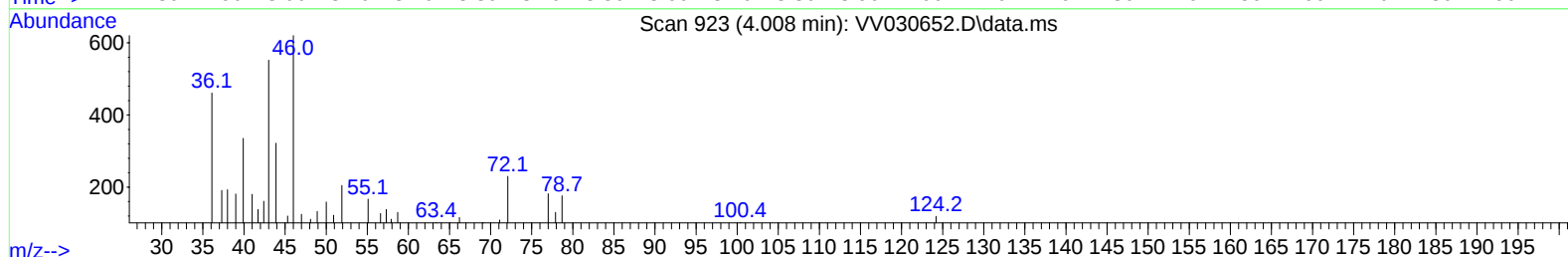
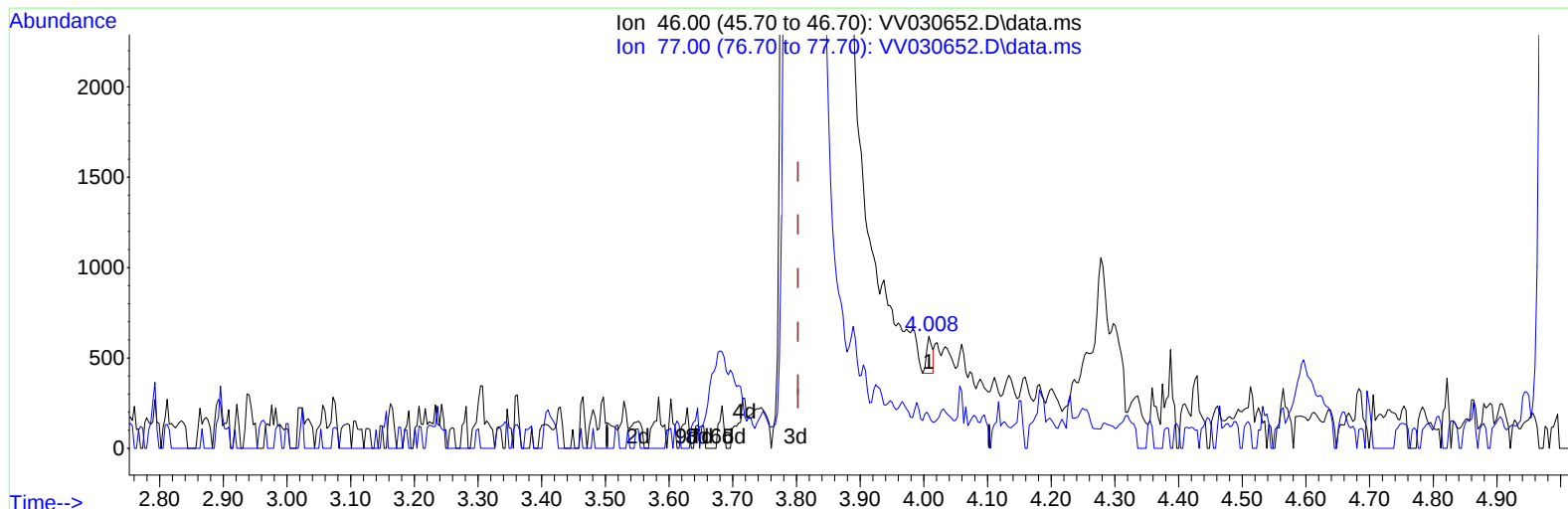
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/19/2023
 Supervised By :Mahesh Dadoda 04/20/2023



TIC: VV030652.D\data.ms

(21) 2-Butanone-d5 (S)

4.008min (+ 0.206) 0.10 ug/L

response 129

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	23.30	23.26
0.00	0.00	0.00
0.00	0.00	0.00

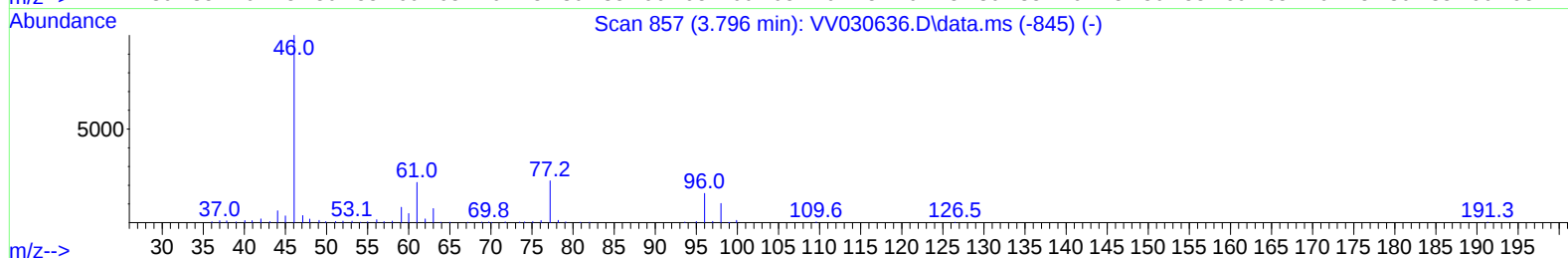
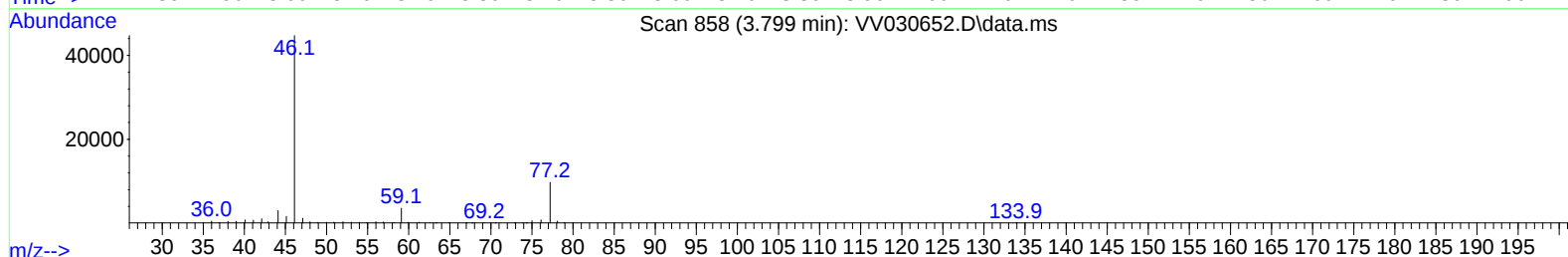
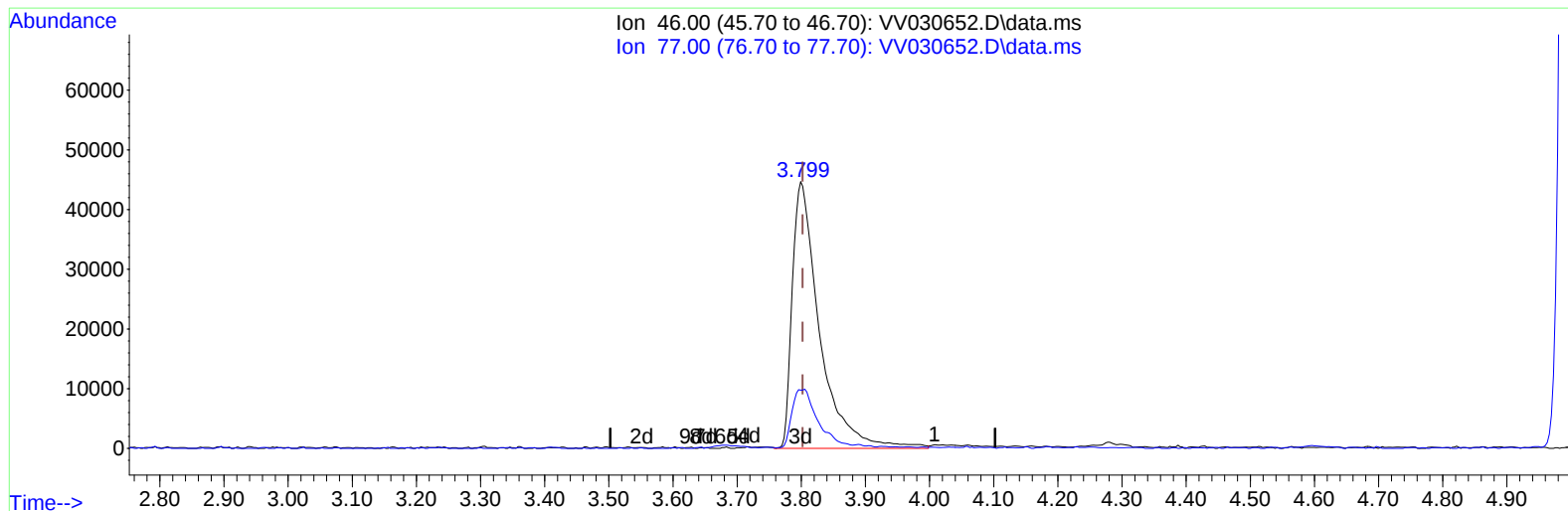
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
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Reviewed By :John Carlone 04/19/2023
 Supervised By :Mahesh Dadoda 04/20/2023



TIC: VV030652.D\data.ms

(21) 2-Butanone-d5 (S)

3.799min (-0.003) 101.63 ug/L m

response 132220

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	23.30	0.02#
0.00	0.00	0.00
0.00	0.00	0.00

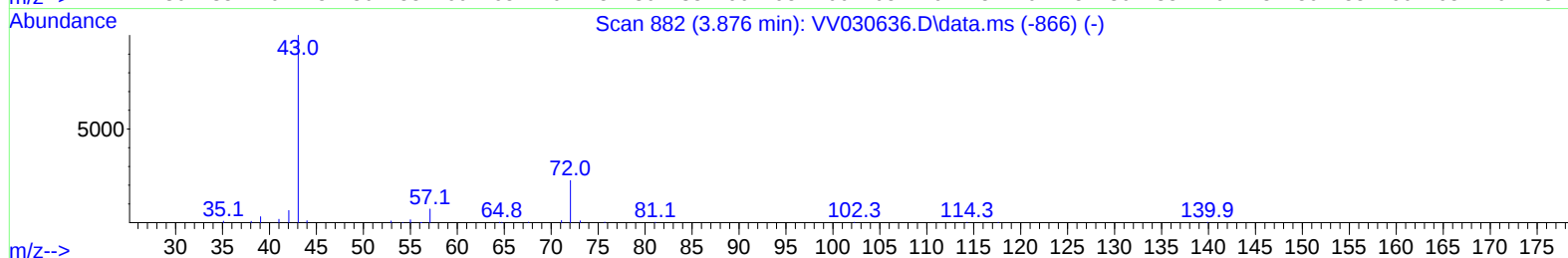
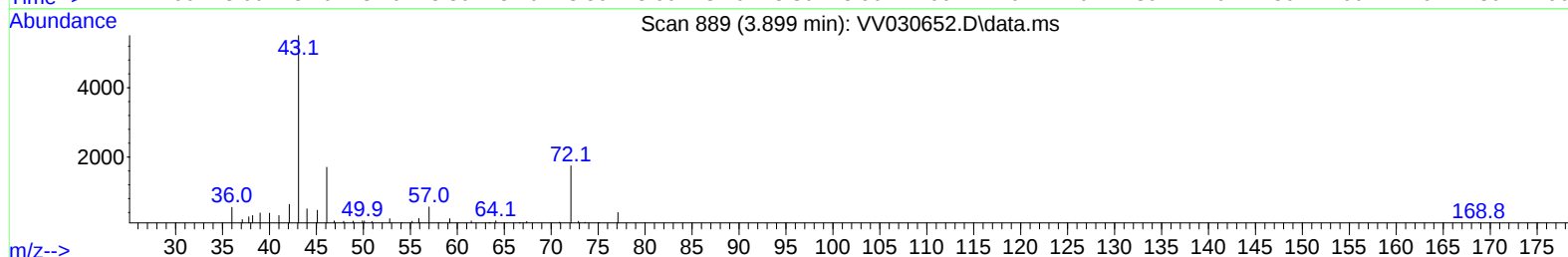
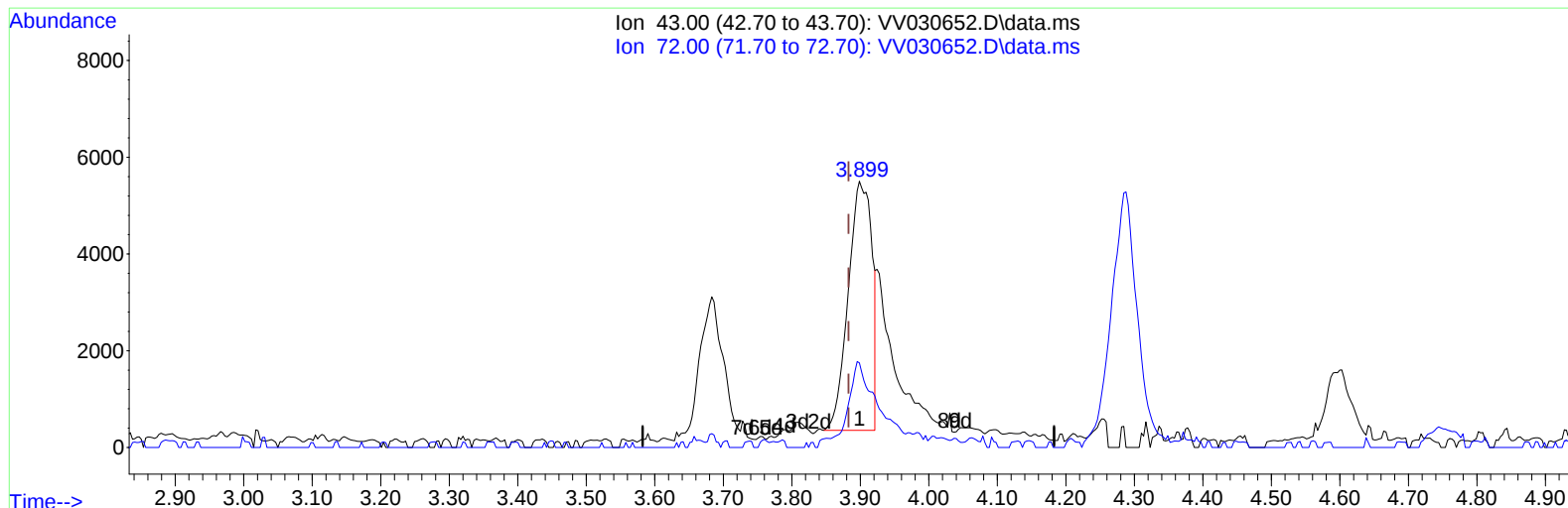
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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TIC: VV030652.D\data.ms

(22) 2-Butanone (T)

3.899min (+ 0.016) 5.93 ug/L

response 12336

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	22.90	36.00#
0.00	0.00	0.00
0.00	0.00	0.00

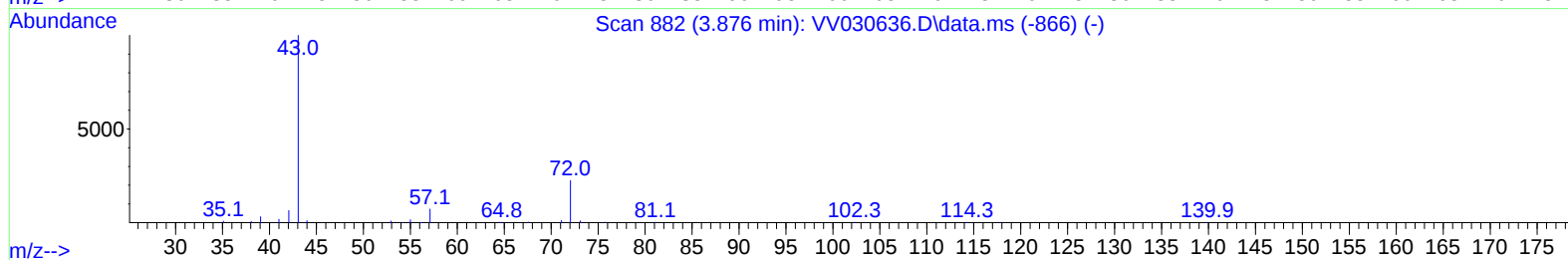
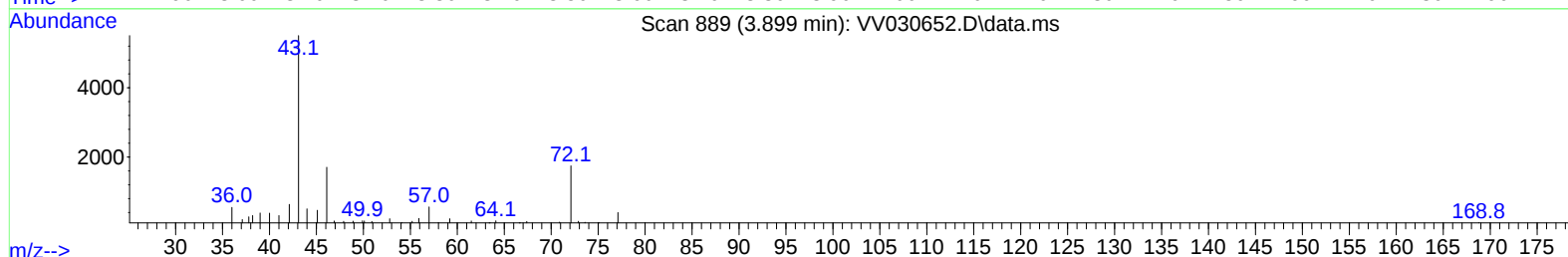
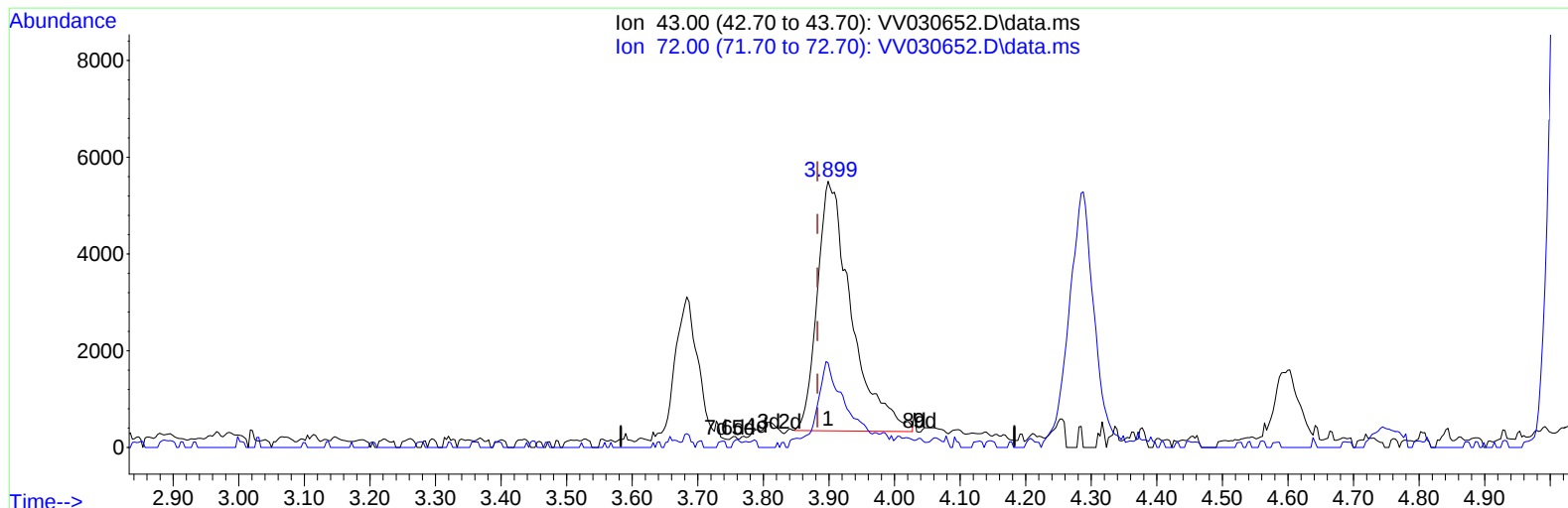
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
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Reviewed By :John Carlone 04/19/2023
 Supervised By :Mahesh Dadoda 04/20/2023



TIC: VV030652.D\data.ms

(22) 2-Butanone (T)

3.899min (+ 0.016) 8.97 ug/L m

response 18661

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	22.90	23.80
0.00	0.00	0.00
0.00	0.00	0.00

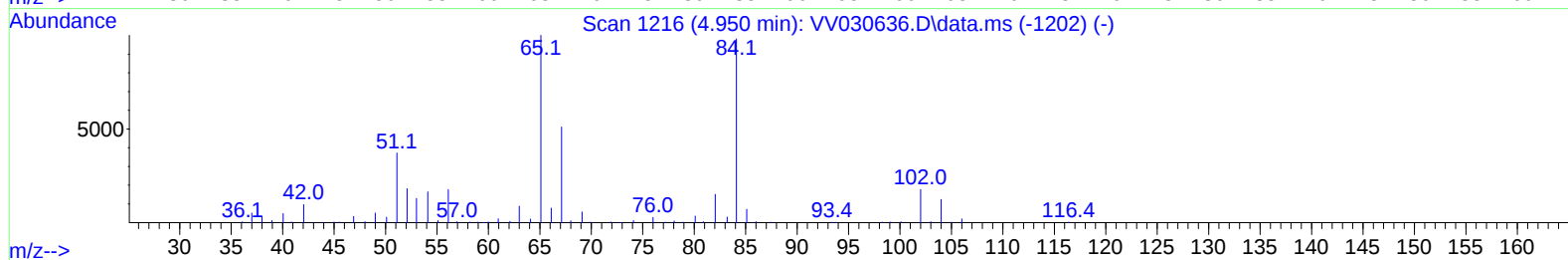
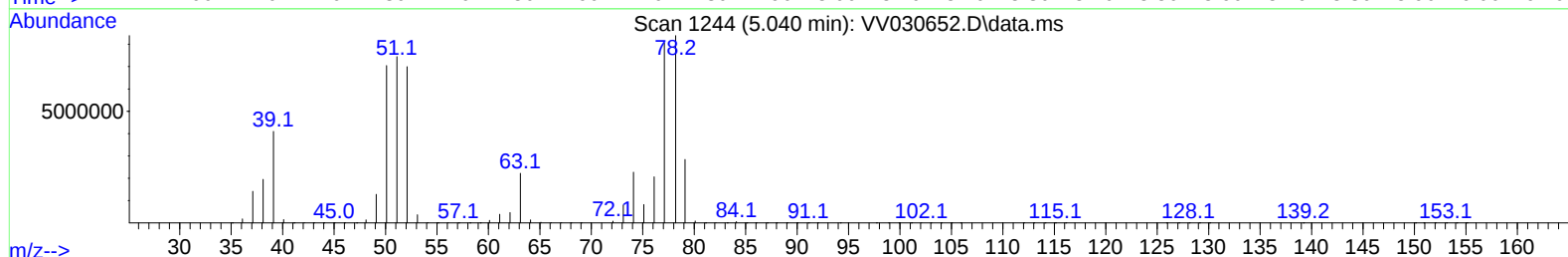
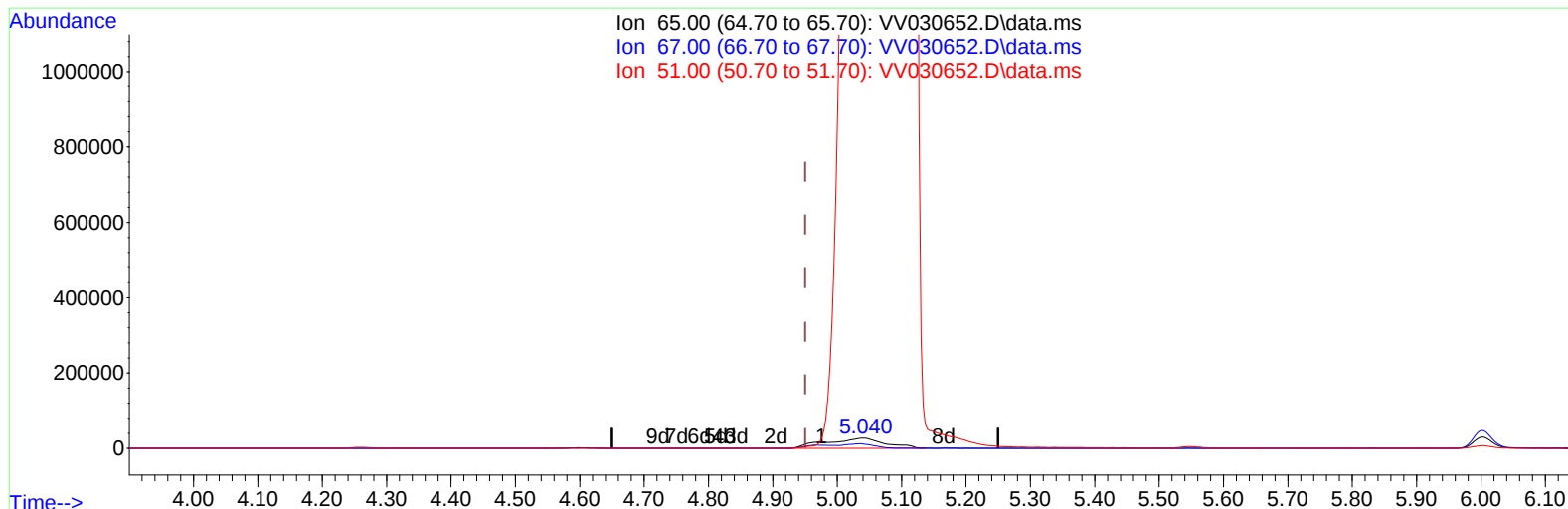
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
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TIC: VV030652.D\data.ms

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

5.040min (+ 0.090) 62.93 ug/L m

response 173669

Ion	Exp%	Act%
65.00	100.00	100.00
67.00	51.20	8.94#
51.00	35.70	0.00#
0.00	0.00	0.00

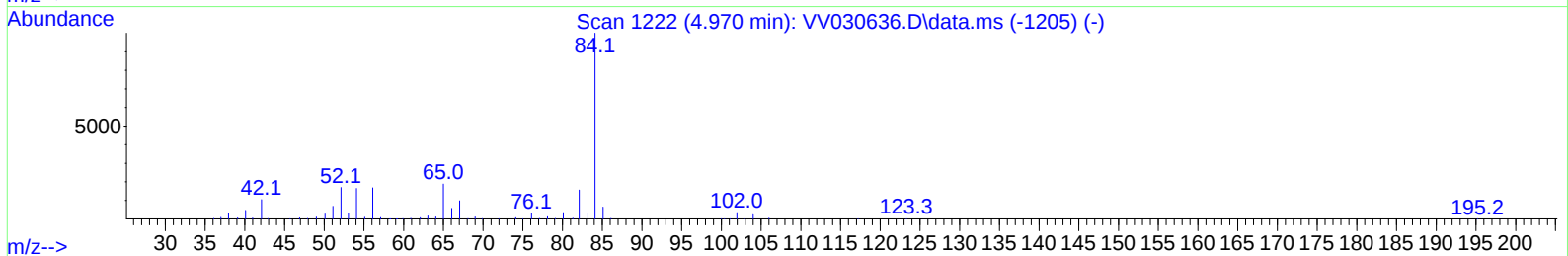
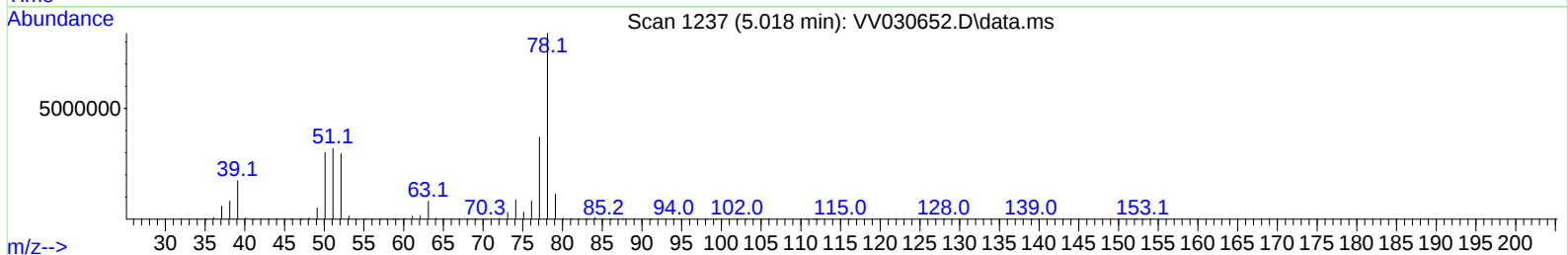
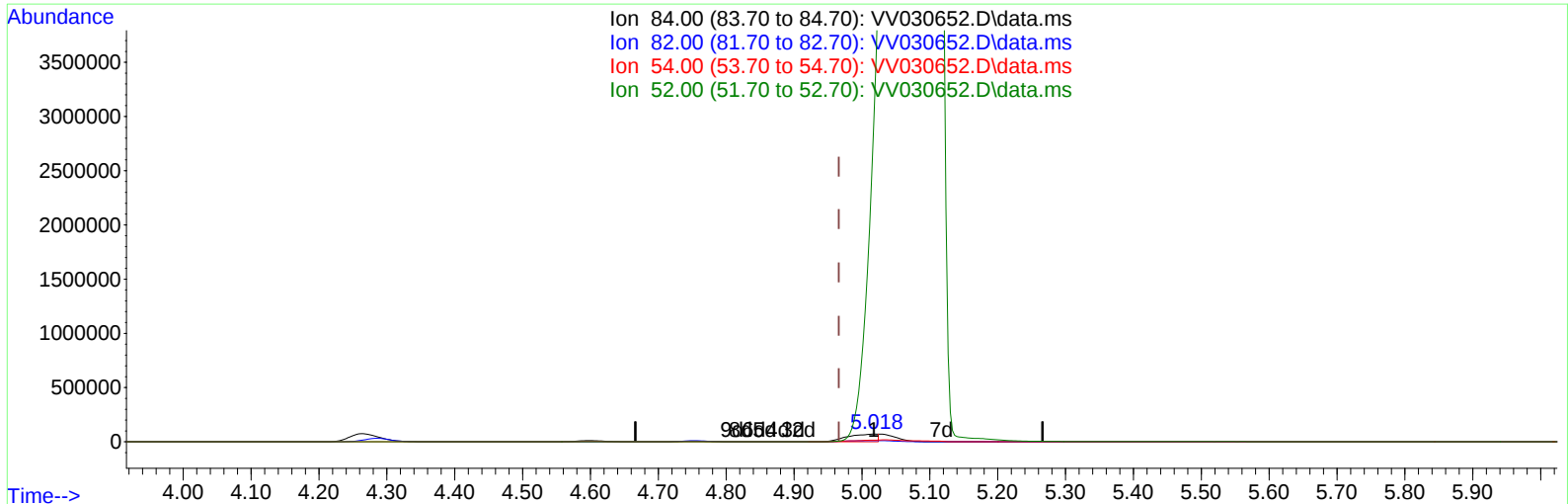
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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TIC: VV030652.D\data.ms

(32) Benzene-d6 (S)

5.018min (+ 0.051) 32.07 ug/L

response 222257

Ion	Exp%	Act%
84.00	100.00	100.00
82.00	15.90	12.41
54.00	16.70	38.56#
52.00	15.90	0.00#

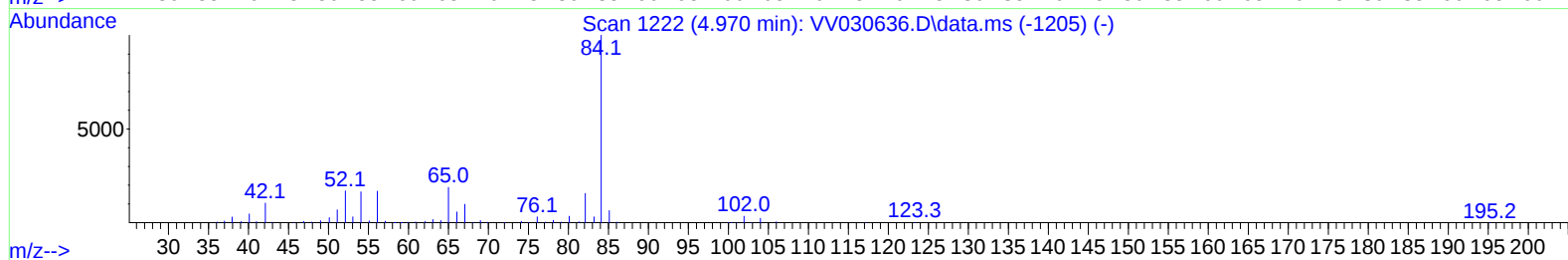
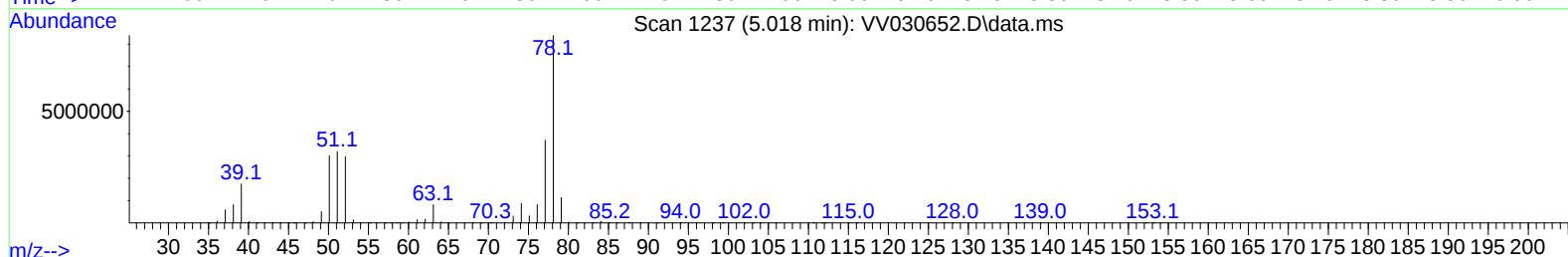
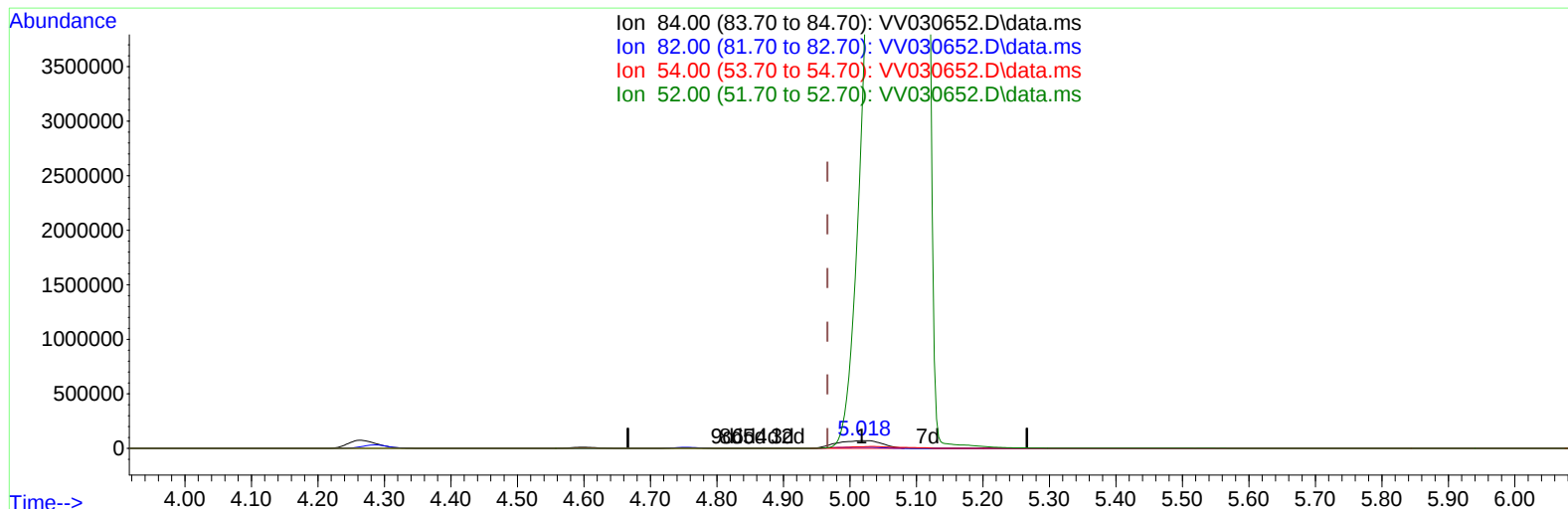
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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 QLast Update : Tue Apr 18 02:45:56 2023
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TIC: VV030652.D\data.ms

(32) Benzene-d6 (S)

5.018min (+ 0.051) 49.30 ug/L m

response 341680

Ion	Exp%	Act%
84.00	100.00	100.00
82.00	15.90	8.08#
54.00	16.70	25.08#
52.00	15.90	0.00#

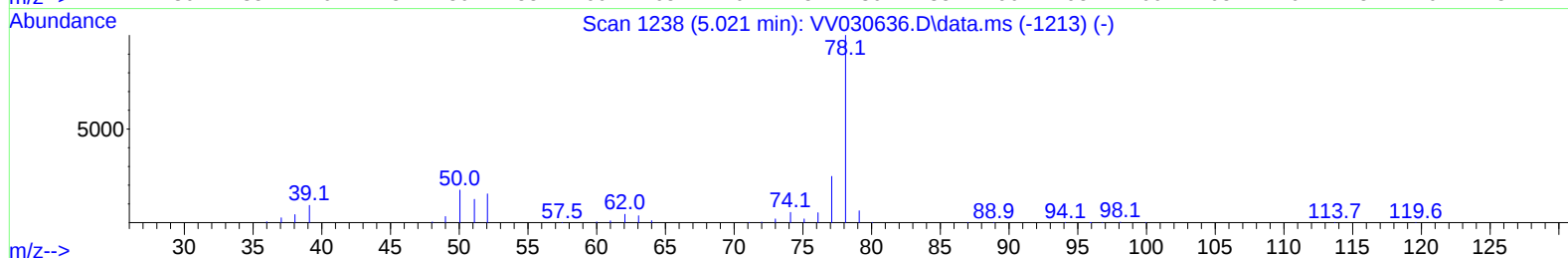
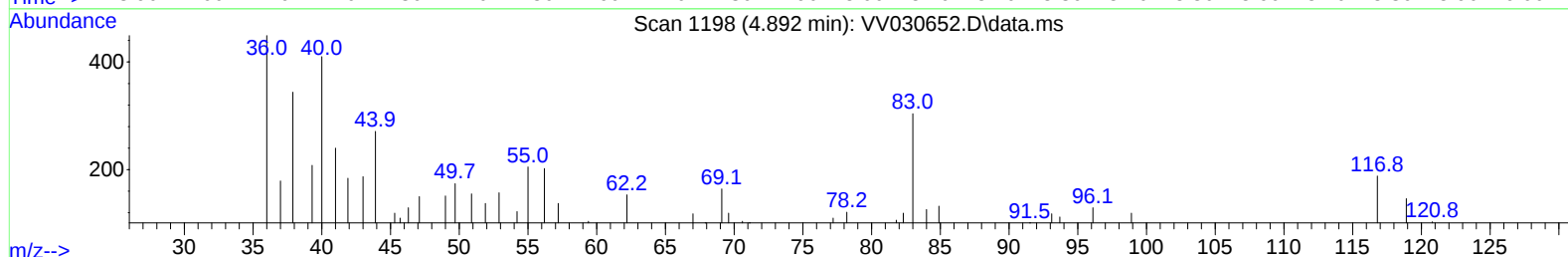
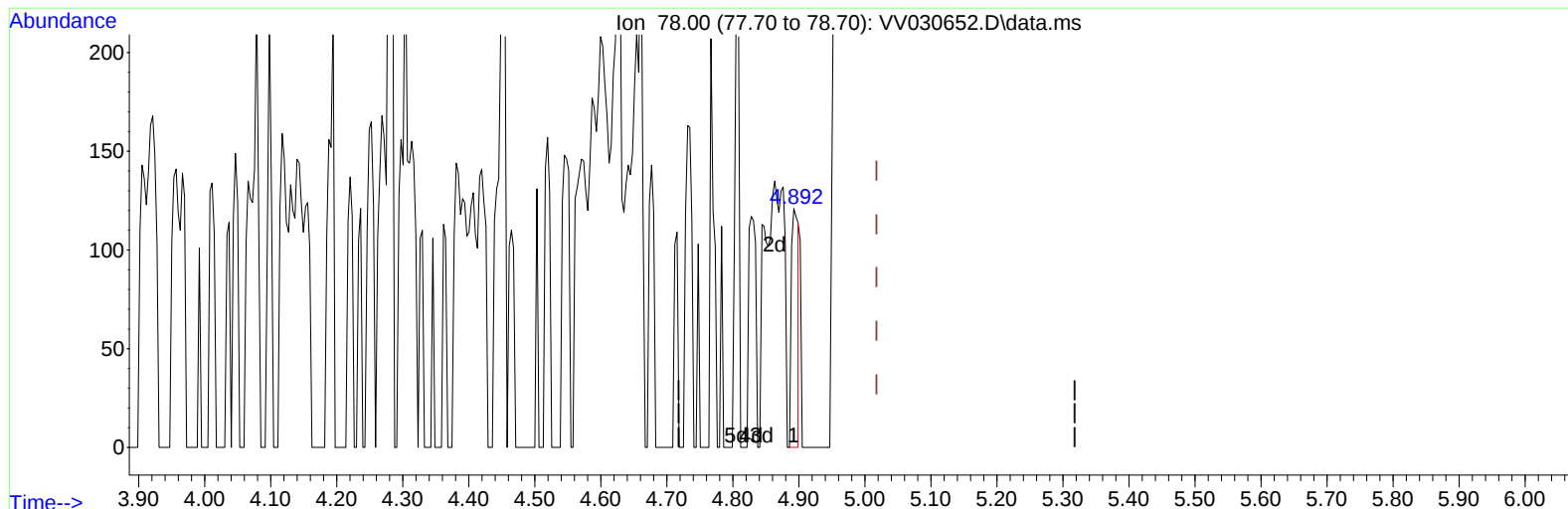
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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 Supervised By :Mahesh Dadoda 04/20/2023



TIC: VV030652.D\data.ms

(33) Benzene (T)

4.892min (-0.126) 0.01 ug/L

response	88	
Ion	Exp%	Act%
78.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

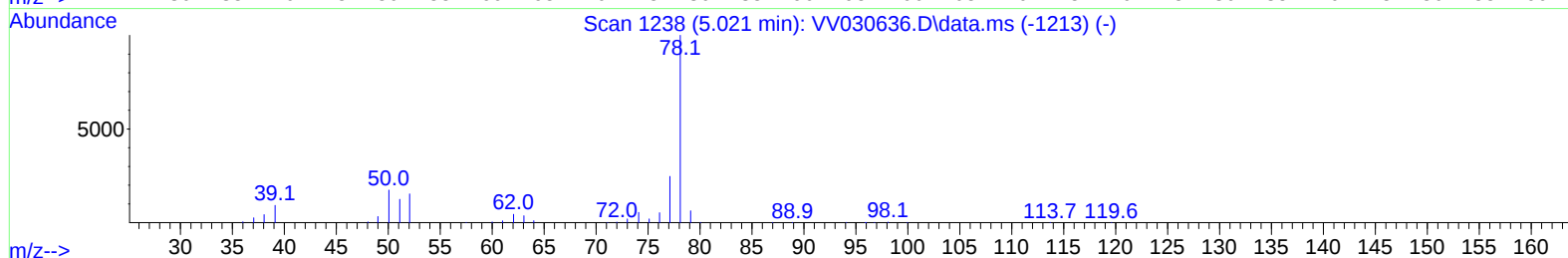
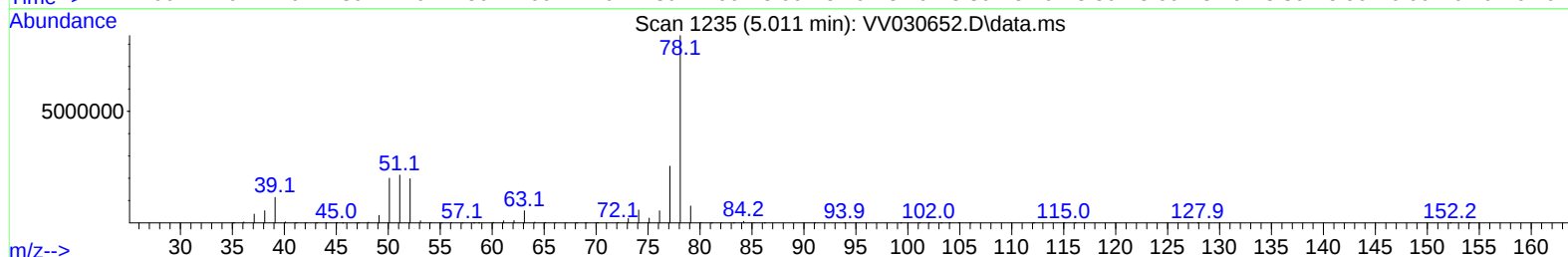
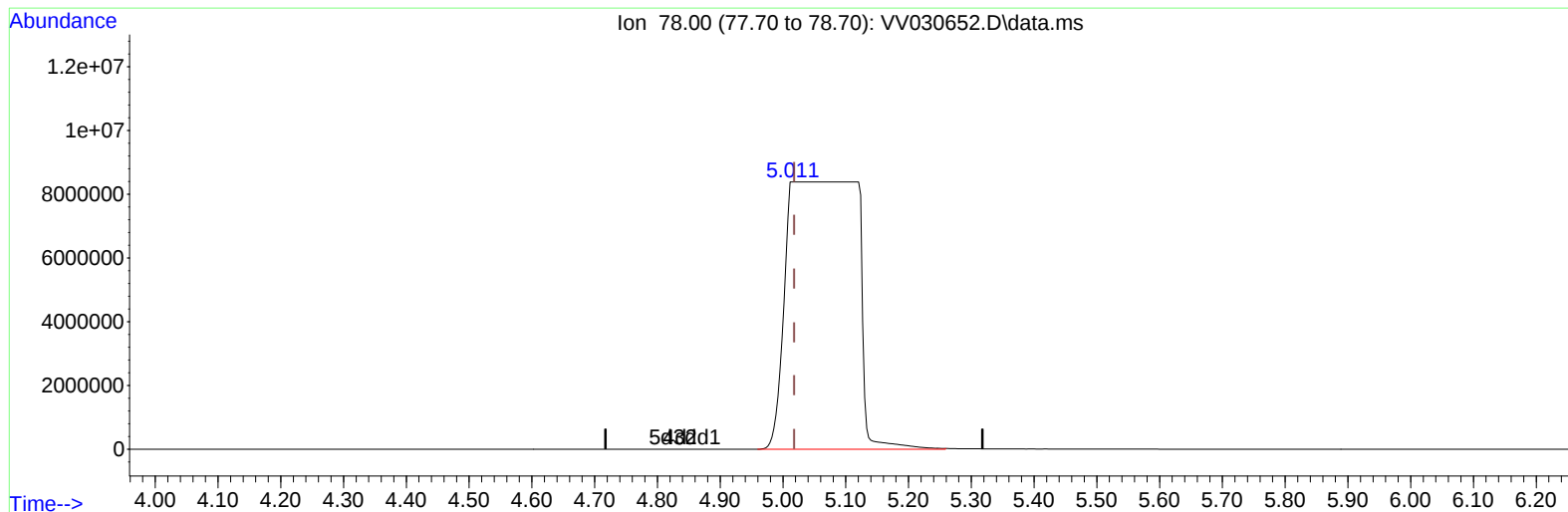
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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TIC: VV030652.D\data.ms

(33) Benzene (T)

5.011min (-0.007) 7381.15 ug/L m

response 65708249

Ion	Exp%	Act%
78.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

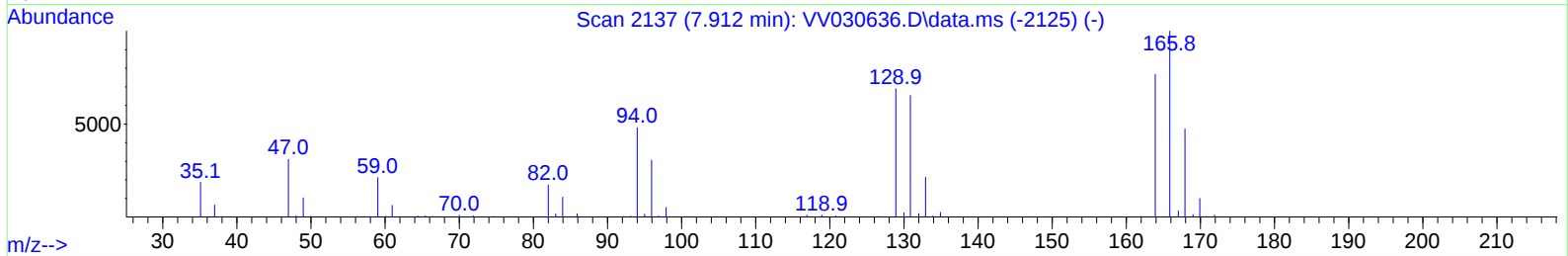
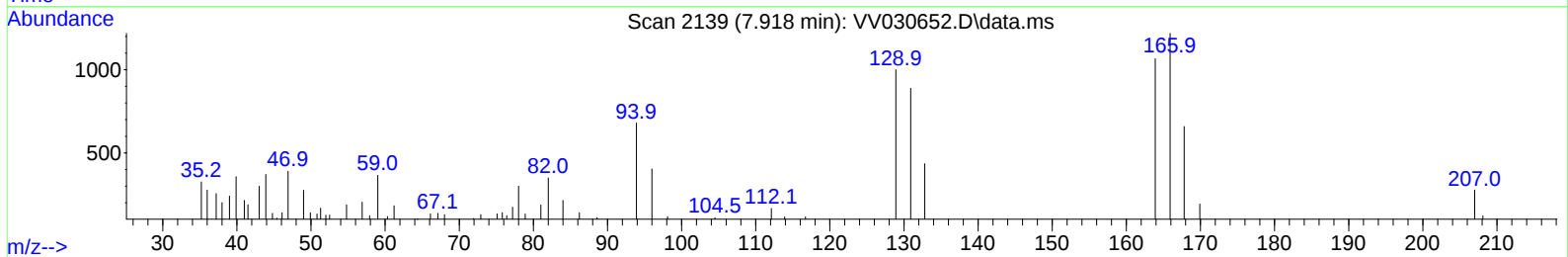
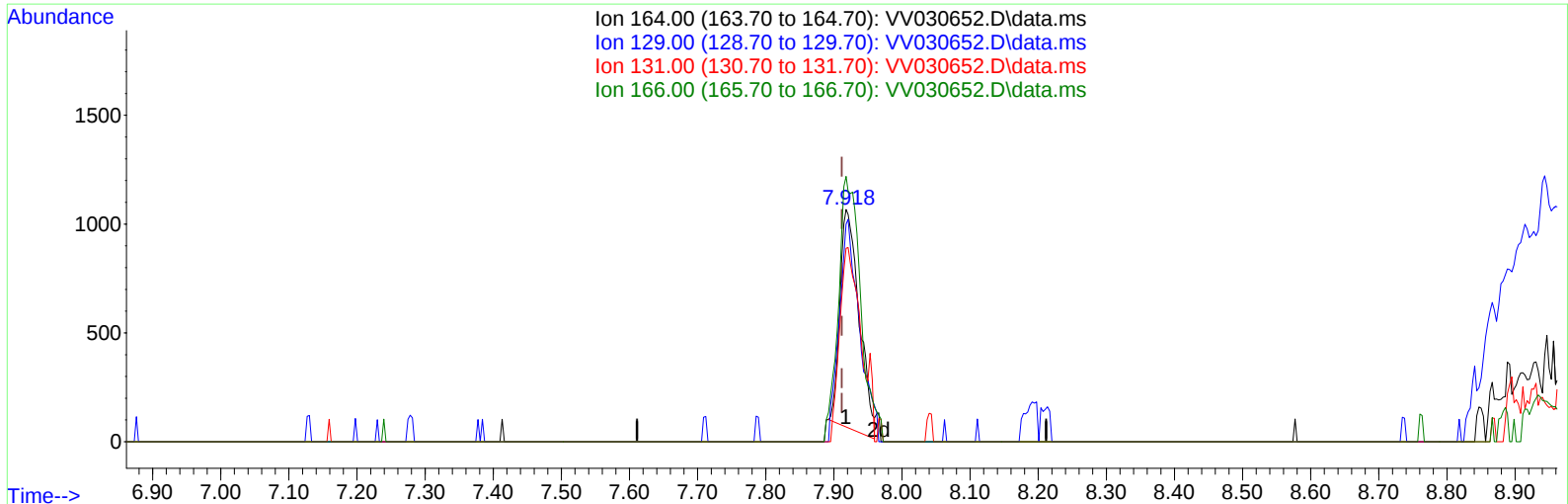
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
Data File : VV030652.D
Acq On : 19 Apr 2023 05:26
Operator : SY/MD
Sample : 02398-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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TIC: VV030652.D\data.ms

(46) Tetrachloroethene (T)

7.918min (+ 0.006) 0.97 ug/L

response 1964

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	91.20	93.72
131.00	86.10	83.32
166.00	127.80	114.25

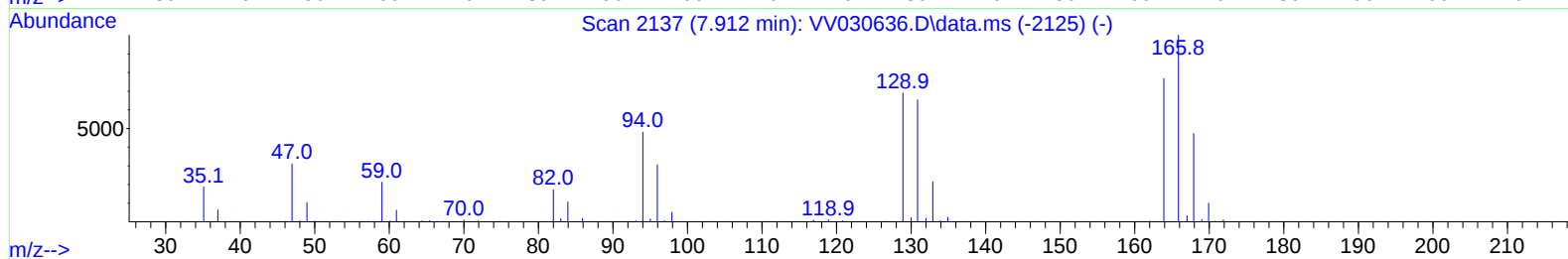
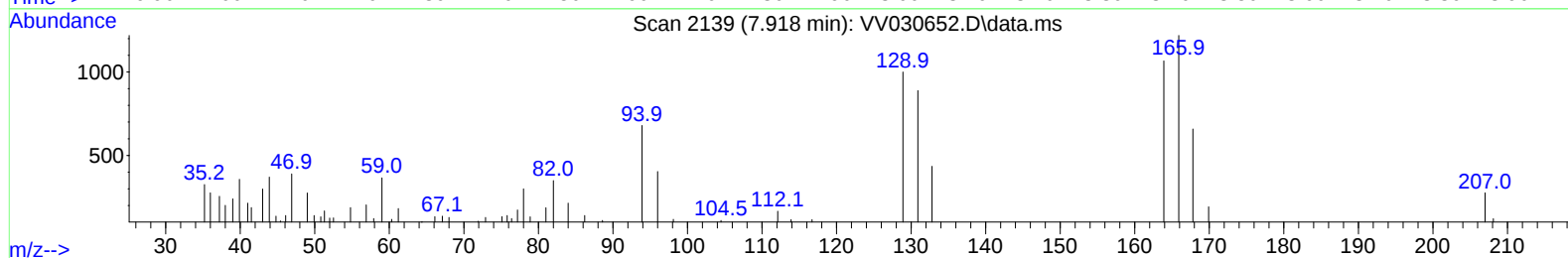
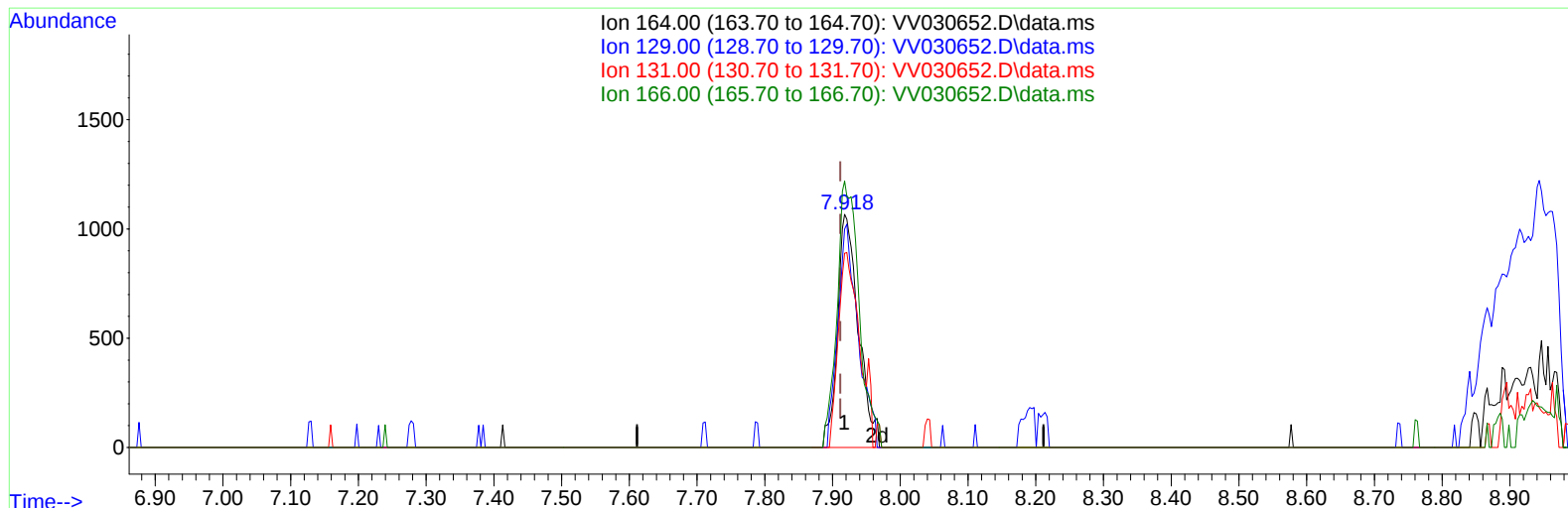
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/19/2023
 Supervised By :Mahesh Dadoda 04/20/2023

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
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TIC: VV030652.D\data.ms

(46) Tetrachloroethene (T)

7.918min (+ 0.006) 1.13 ug/L m

response 2286

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	91.20	93.72
131.00	86.10	83.32
166.00	127.80	114.25

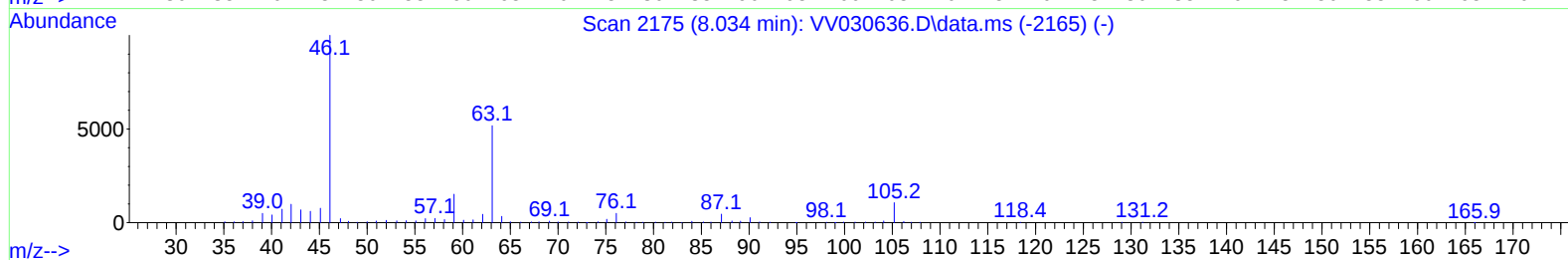
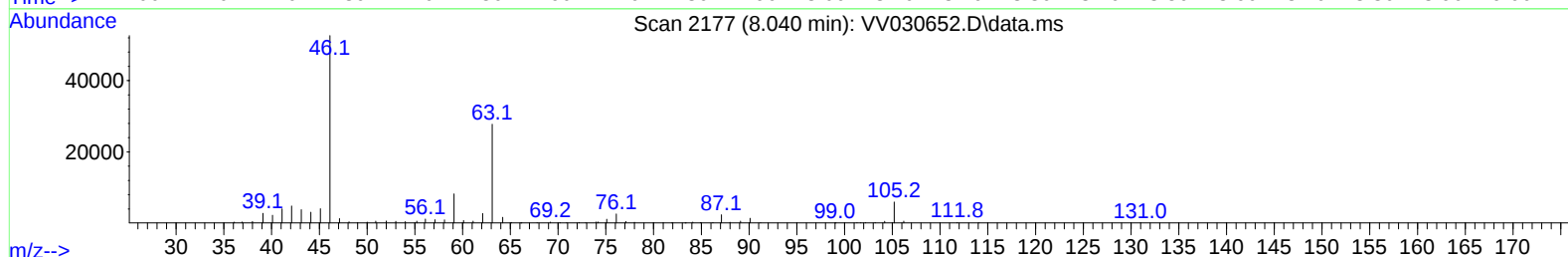
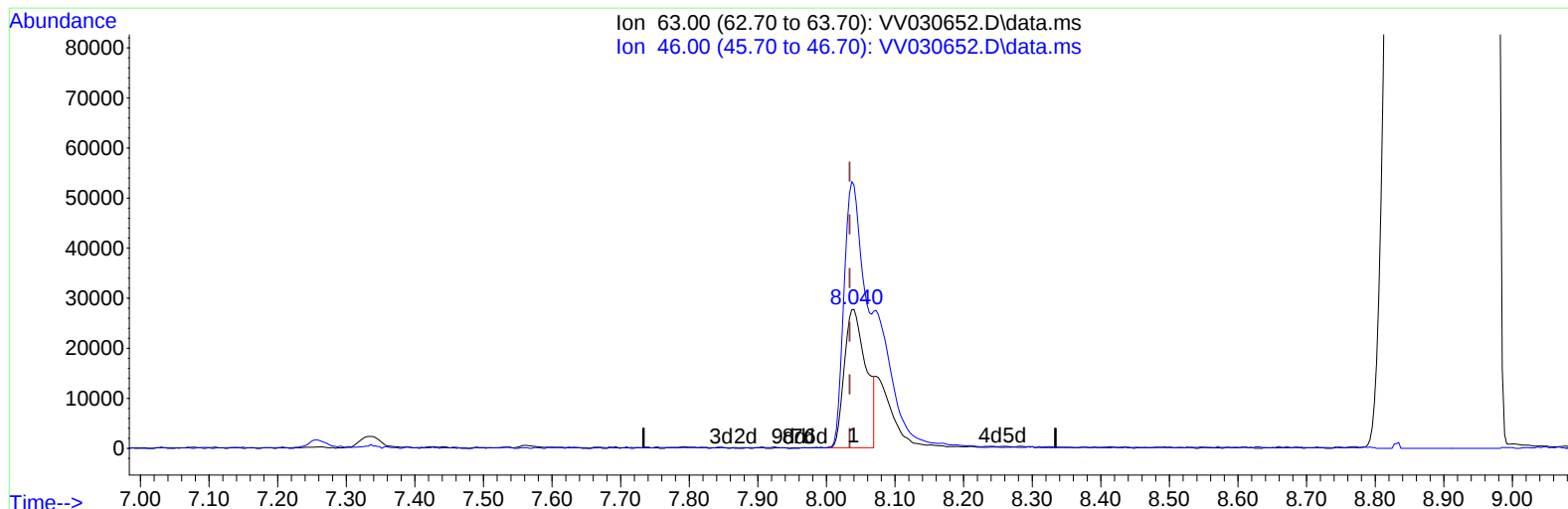
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
Data File : VV030652.D
Acq On : 19 Apr 2023 05:26
Operator : SY/MD
Sample : 02398-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COMP3

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/19/2023
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Quant Time: Apr 19 06:04:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration



TIC: VV030652.D\data.ms

(47) 2-Hexanone-d5 (S)

8.040min (+ 0.006) 71.81 ug/L

response 60902

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	190.80	181.44
0.00	0.00	0.00
0.00	0.00	0.00

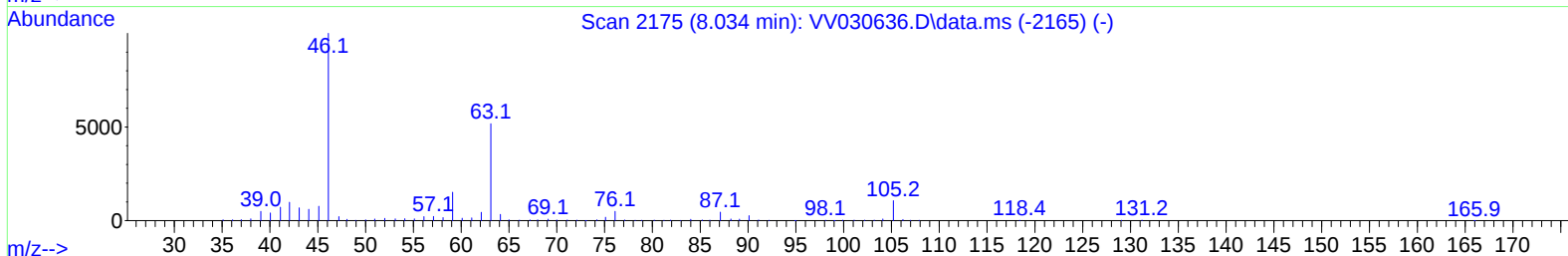
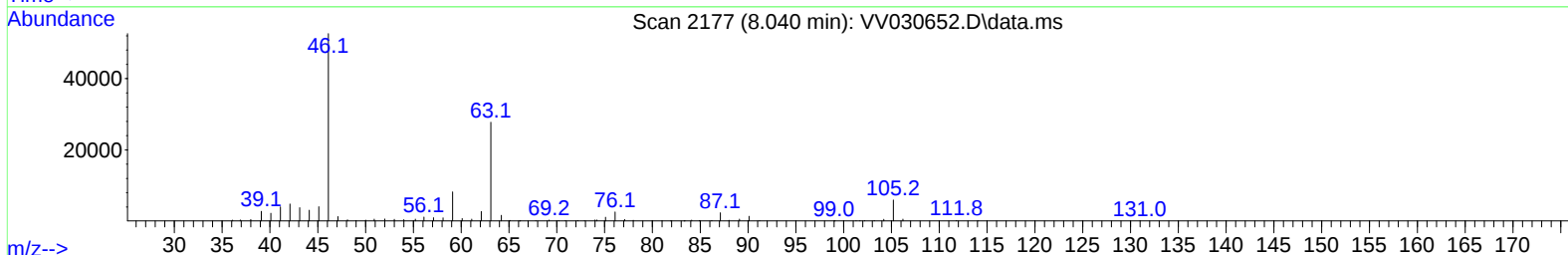
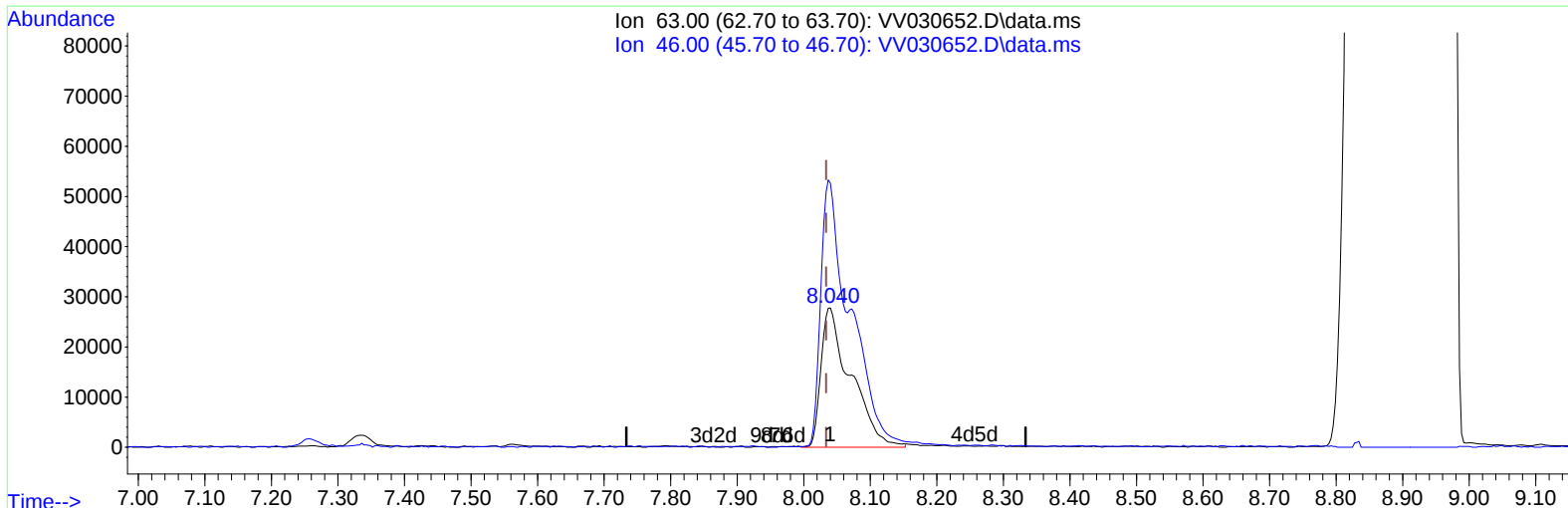
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
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TIC: VV030652.D\data.ms

(47) 2-Hexanone-d5 (S)

8.040min (+ 0.006) 101.89 ug/L m

response 86412

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	190.80	127.88#
0.00	0.00	0.00
0.00	0.00	0.00

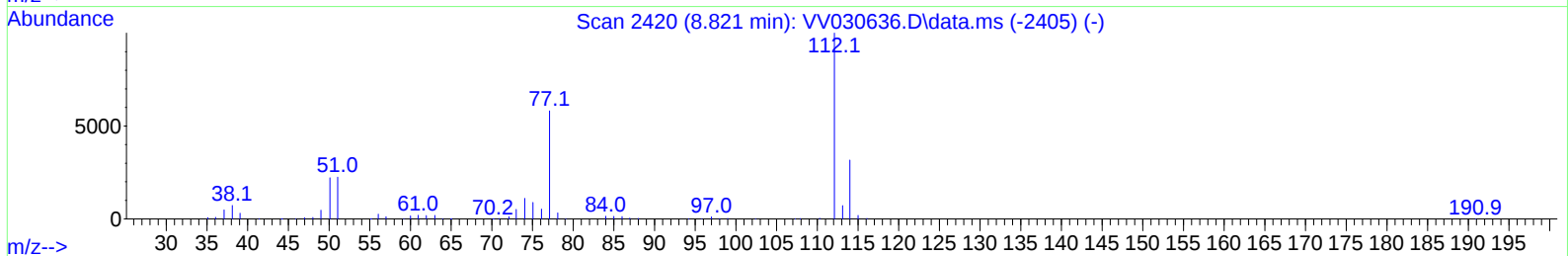
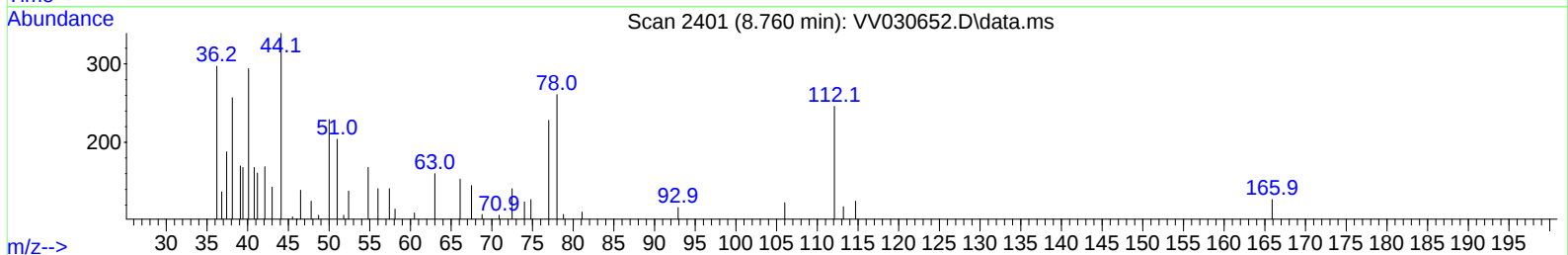
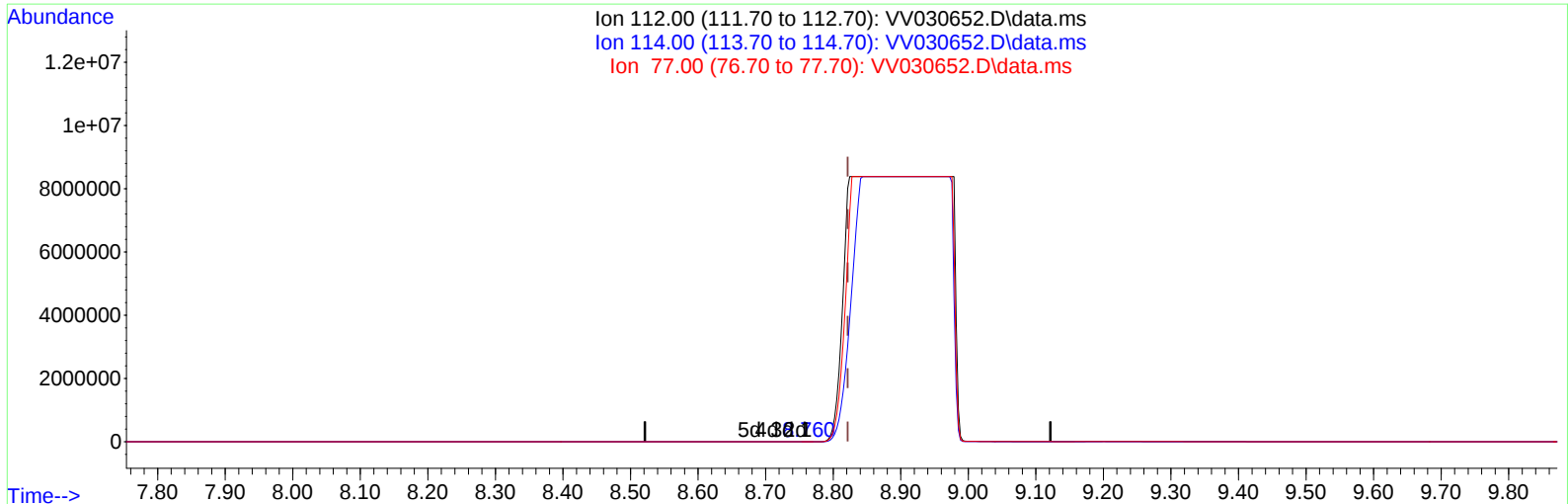
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual IntegrationsAPPROVED

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 04/19/2023
 Supervised By :Mahesh Dadoda 04/20/2023



TIC: VV030652.D\data.ms

(51) Chlorobenzene (T)

8.760min (-0.061) 0.01 ug/L

response 80

Ion	Exp%	Act%
112.00	100.00	100.00
114.00	32.00	50.81#
77.00	59.20	92.68#
0.00	0.00	0.00

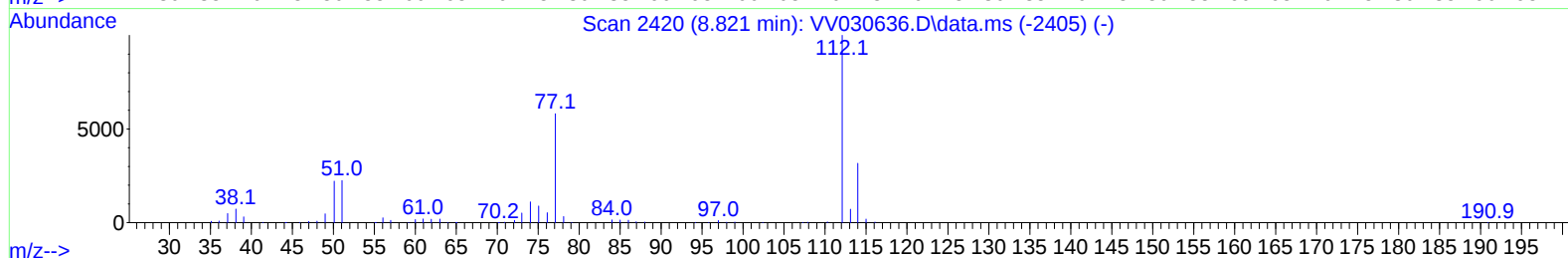
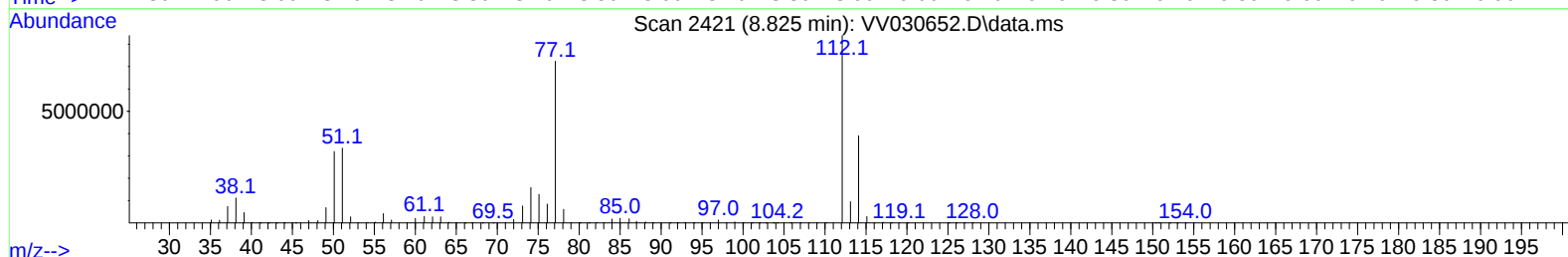
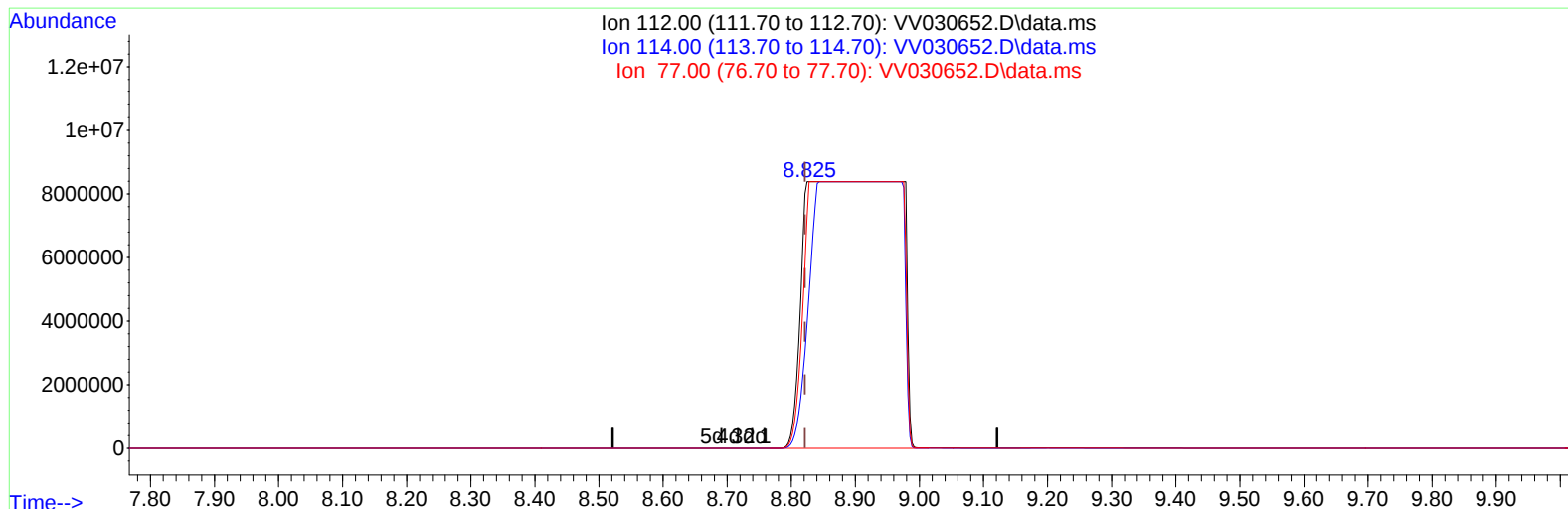
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
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TIC: VV030652.D\data.ms

(51) Chlorobenzene (T)

8.825min (+ 0.003) 13549.30 ug/L m

response 85563471

Ion	Exp%	Act%
112.00	100.00	100.00
114.00	32.00	46.55#
77.00	59.20	86.31#
0.00	0.00	0.00

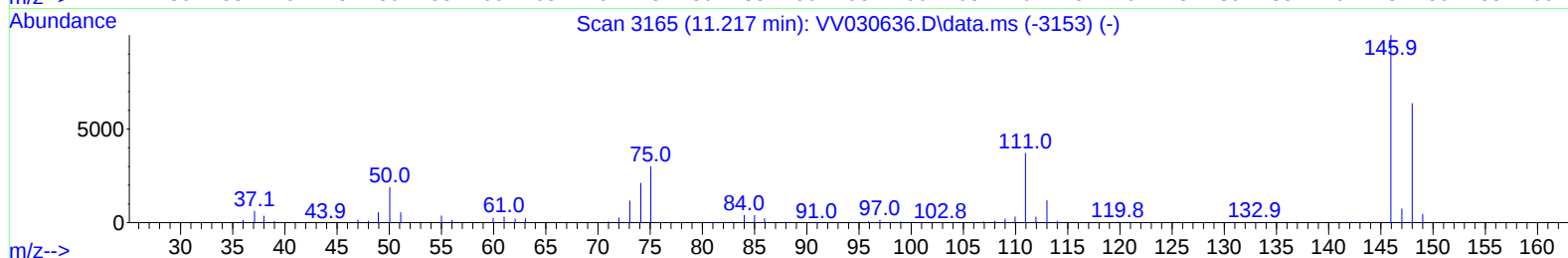
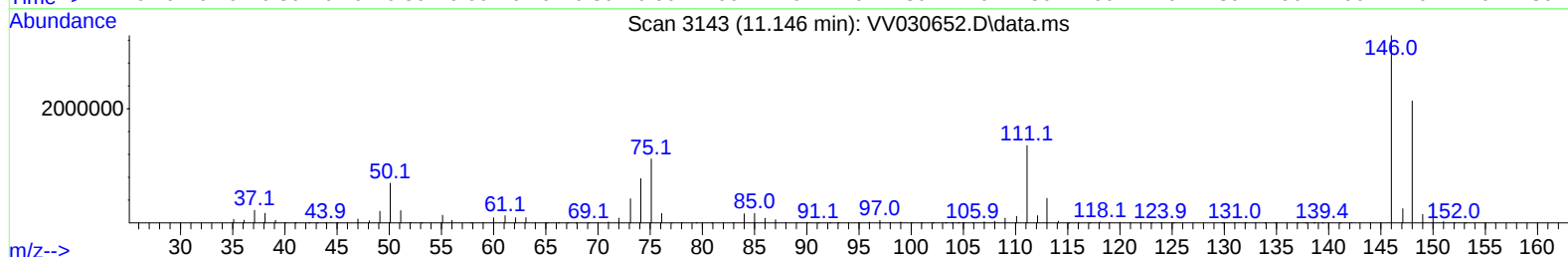
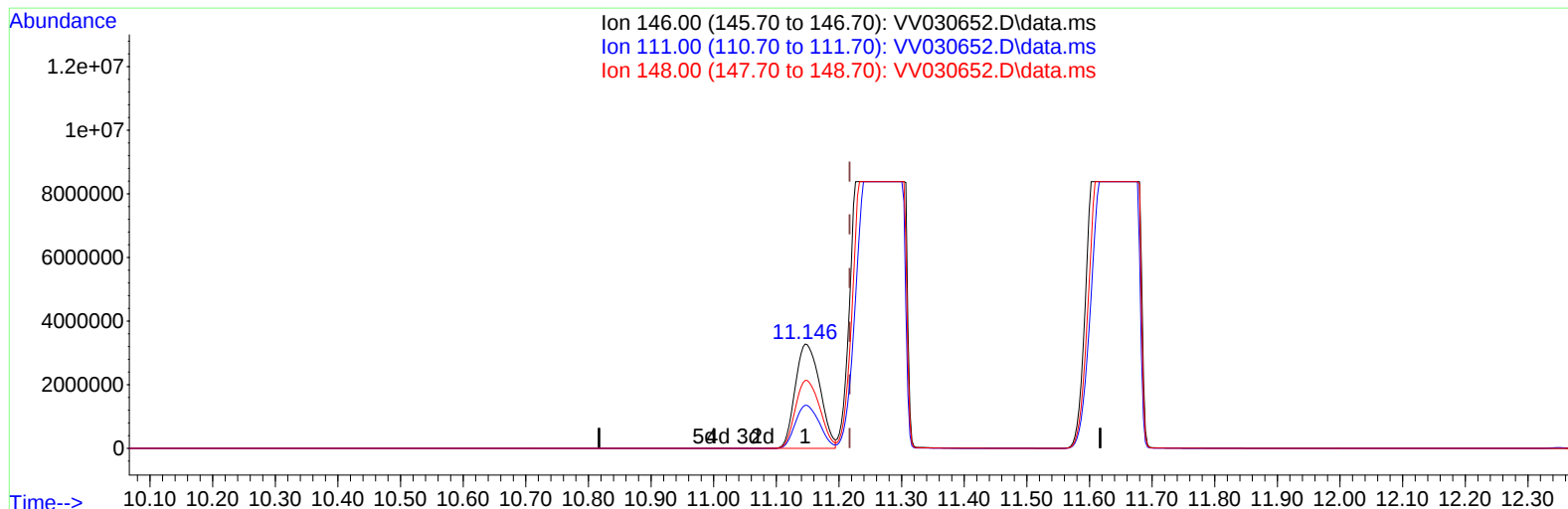
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: VV030652.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.146min (-0.071) 1110.24 ug/L

response 8973561

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	37.80	41.29
148.00	63.90	65.12
0.00	0.00	0.00

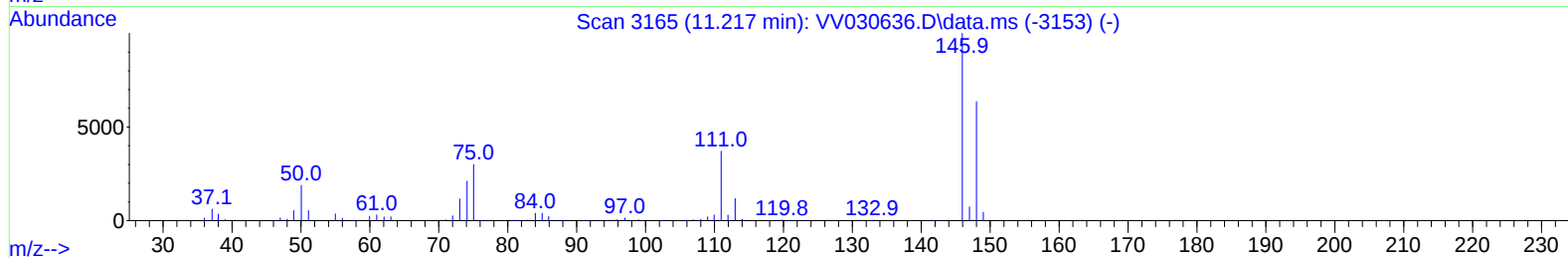
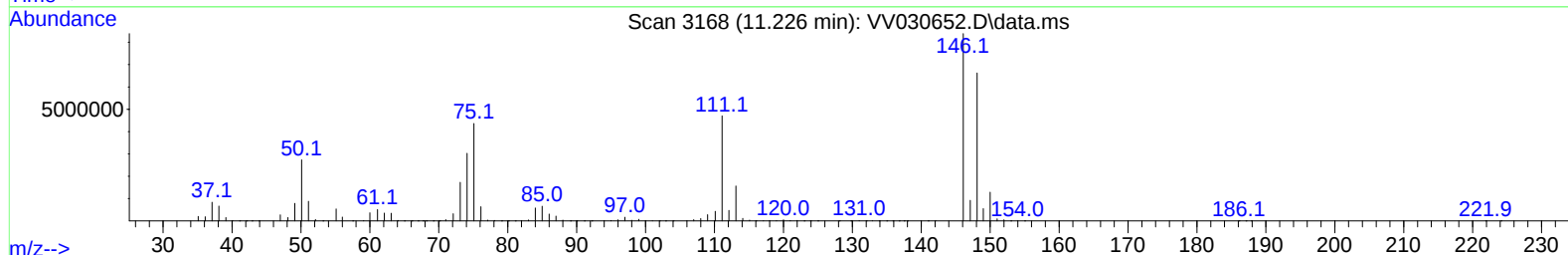
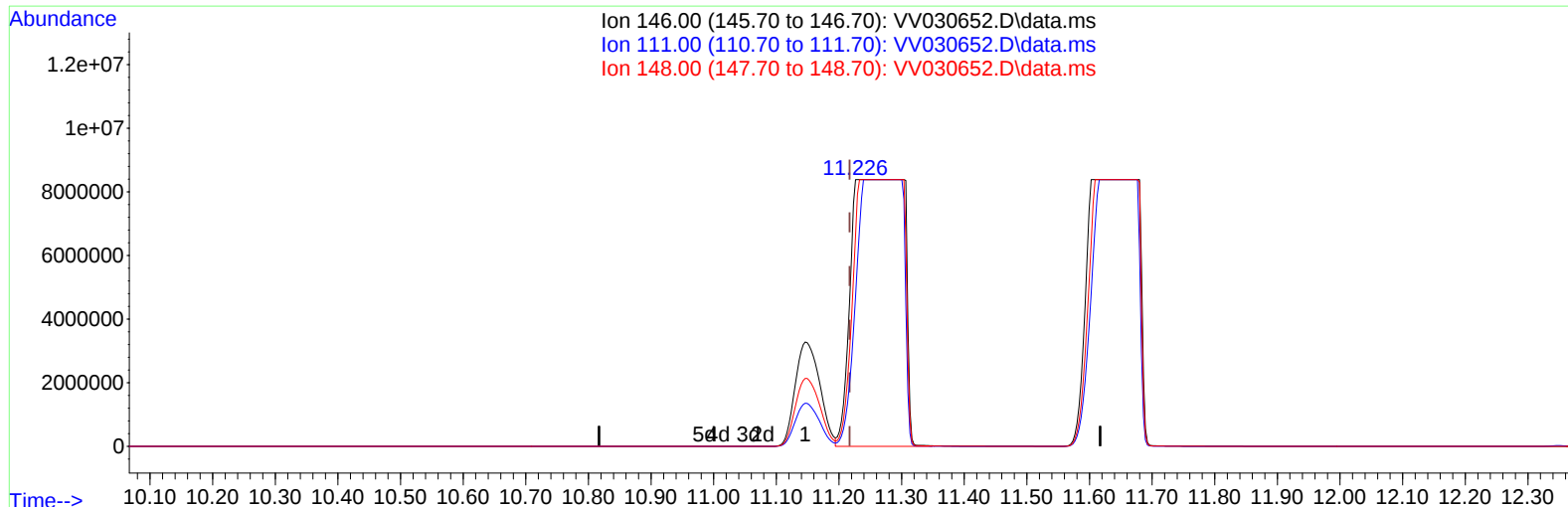
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
 Data File : VV030652.D
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 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: VV030652.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.226min (+ 0.010) 5964.43 ug/L m

response 48207656

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	37.80	56.08#
148.00	63.90	78.97
0.00	0.00	0.00

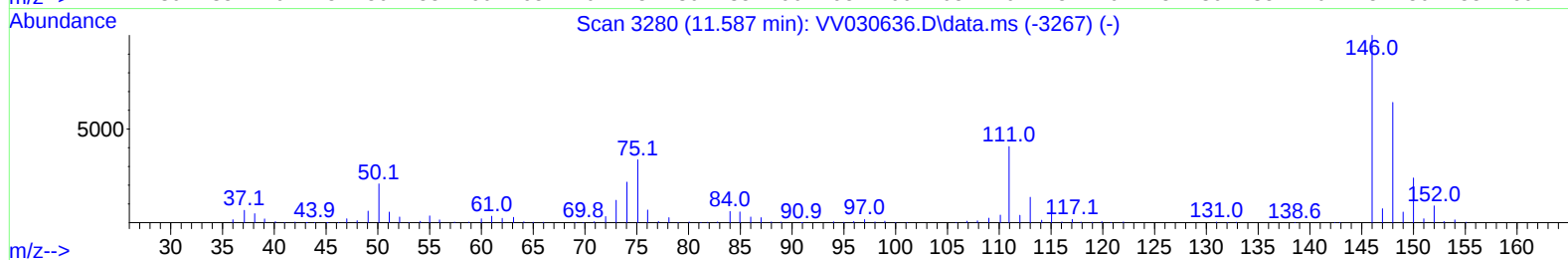
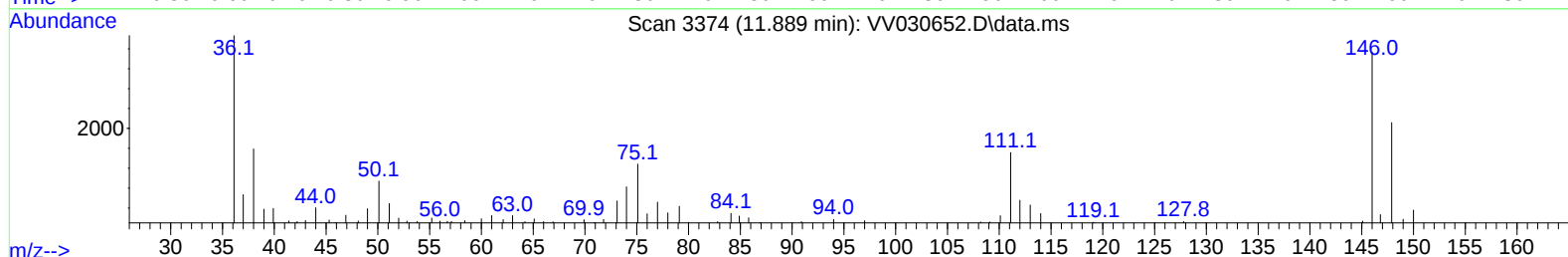
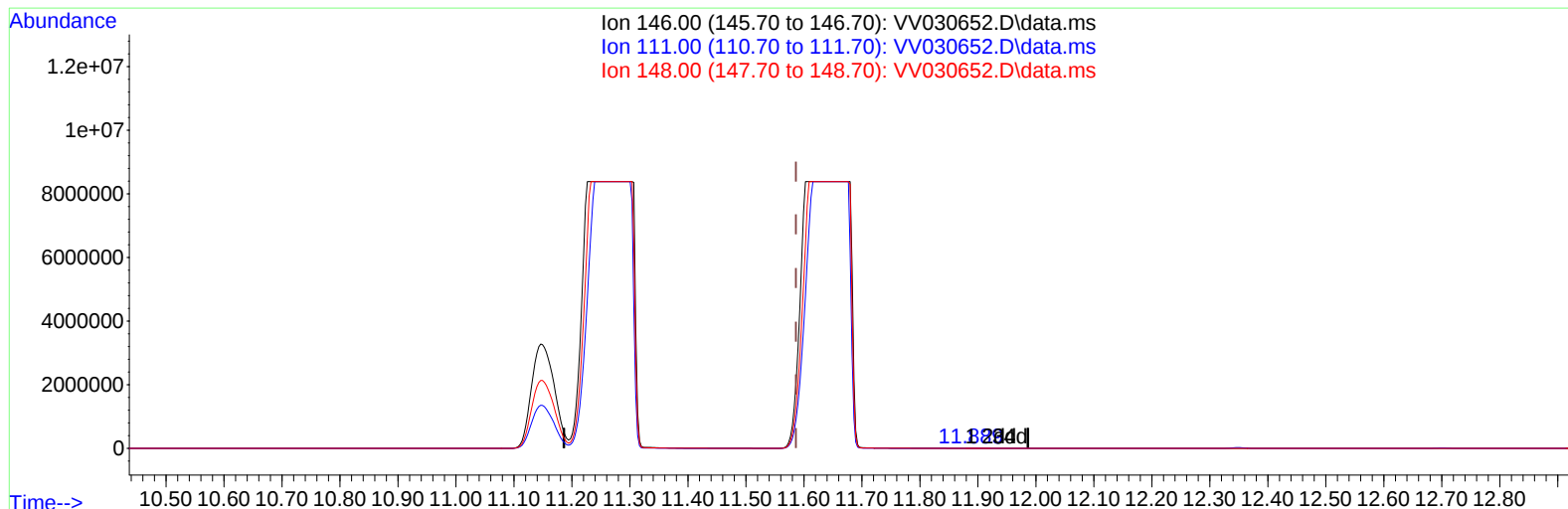
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
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 ALS Vial : 45 Sample Multiplier: 1

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TIC: VV030652.D\data.ms

(67) 1,2-Dichlorobenzene (T)

11.889min (+ 0.302) 0.16 ug/L

response 1249

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	40.00	42.82
148.00	63.30	59.87
0.00	0.00	0.00

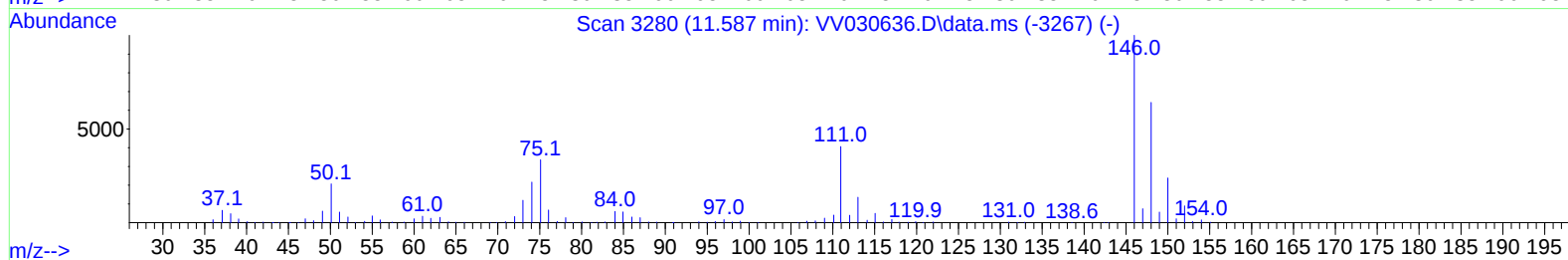
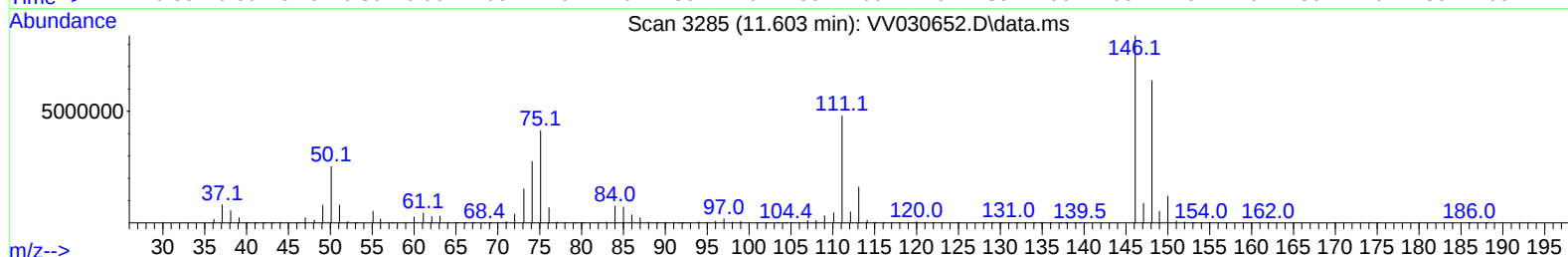
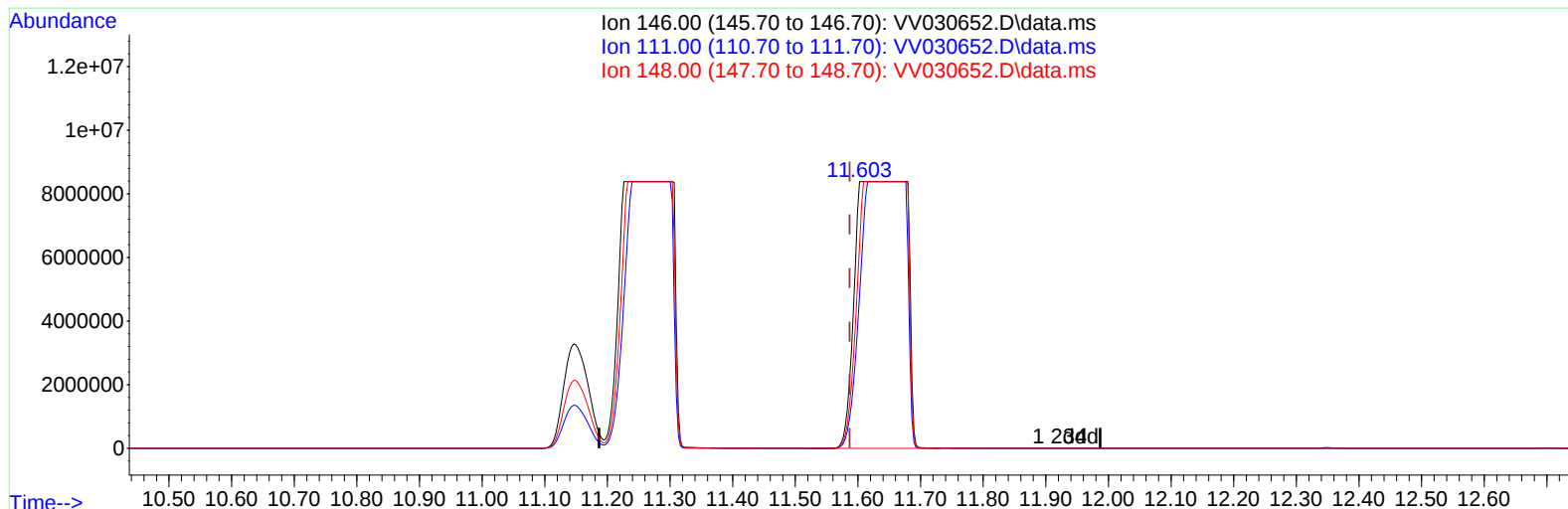
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
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 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
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 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: VV030652.D\data.ms

(67) 1,2-Dichlorobenzene (T)

11.603min (+ 0.016) 6090.48 ug/L m

response 47094777

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	40.00	57.22#
148.00	63.30	76.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030652.D
 Acq On : 19 Apr 2023 05:26
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 Misc : 5.0mL/MSVOA_V/WATER
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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	323116	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	293155	50.000	ug/L	# 0.06
58) 1,4-Dichlorobenzene-d4	11.242	152	245481	50.000	ug/L	# 0.05
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	74747	31.556	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	63.120%	
7) Chloroethane-d5	1.535	69	63660	32.071	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	64.140%#	
11) 1,1-Dichloroethene-d2	2.063	65	35200	31.336	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	62.680%	
21) 2-Butanone-d5	3.799	46	132220m	101.628	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	101.630%	
24) Chloroform-d	4.262	84	232365	54.131	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	108.260%	
26) 1,2-Dichloroethane-d4	5.040	65	173669m	62.928	ug/L	0.09
Spiked Amount 50.000	Range 70	- 125	Recovery	=	125.860%#	
32) Benzene-d6	5.018	84	341680m	49.297	ug/L	0.05
Spiked Amount 50.000	Range 70	- 125	Recovery	=	98.600%	
36) 1,2-Dichloropropane-d6	6.001	67	98951	45.961	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	91.920%	
41) Toluene-d8	7.259	98	264560	40.654	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	81.300%	
43) trans-1,3-Dichloroprop...	7.564	79	46544	42.893	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	85.780%	
47) 2-Hexanone-d5	8.040	63	86412m	101.885	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	101.890%	
56) 1,1,2,2-Tetrachloroeth...	10.169	84	160104	51.249	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	102.500%	
66) 1,2-Dichlorobenzene-d4	11.622	152	178658	45.788	ug/L	0.05
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.580%	
Target Compounds						
					Qvalue	
13) Acetone	2.117	43	265355	131.807	ug/L	98
14) Carbon disulfide	2.249	76	7153	1.119	ug/L	96
16) Methylene chloride	2.455	84	109569	42.319	ug/L	96
22) 2-Butanone	3.899	43	18661m	8.970	ug/L	
25) Chloroform	4.285	83	1625174	337.178	ug/L	99
29) Cyclohexane	4.600	56	35064	9.967	ug/L	98
31) Carbon tetrachloride	4.754	117	100566	27.306	ug/L	98
33) Benzene	5.011	78	65708249m	7381.145	ug/L	
34) Trichloroethene	5.850	95	5339	2.306	ug/L	96
35) Methylcyclohexane	6.056	83	5873	1.619	ug/L	# 81
42) Toluene	7.333	91	55915	5.864	ug/L	98
46) Tetrachloroethene	7.918	164	2286m	1.128	ug/L	
51) Chlorobenzene	8.825	112	85563471m	13549.297	ug/L	
64) 1,3-Dichlorobenzene	11.146	146	8973561	1170.744	ug/L	97
65) 1,4-Dichlorobenzene	11.226	146	48207656m	5964.435	ug/L	
67) 1,2-Dichlorobenzene	11.603	146	47094777m	6090.483	ug/L	
70) 1,2,4-trichlorobenzene	13.217	180	5458970	1110.428	ug/L	99
72) 1,2,3-Trichlorobenzene	13.692	180	1160677	238.097	ug/L	99

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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