

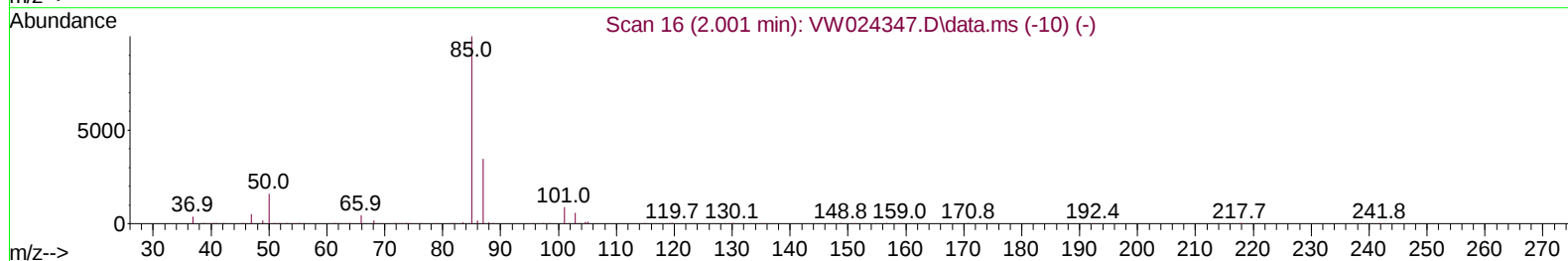
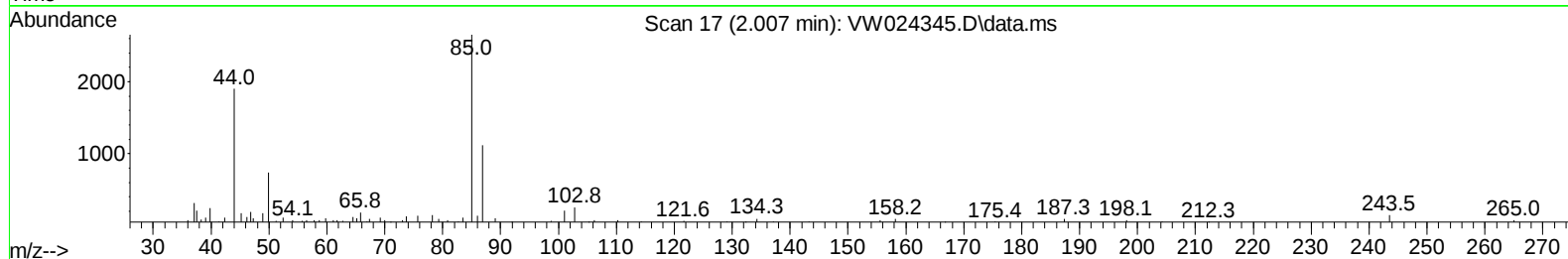
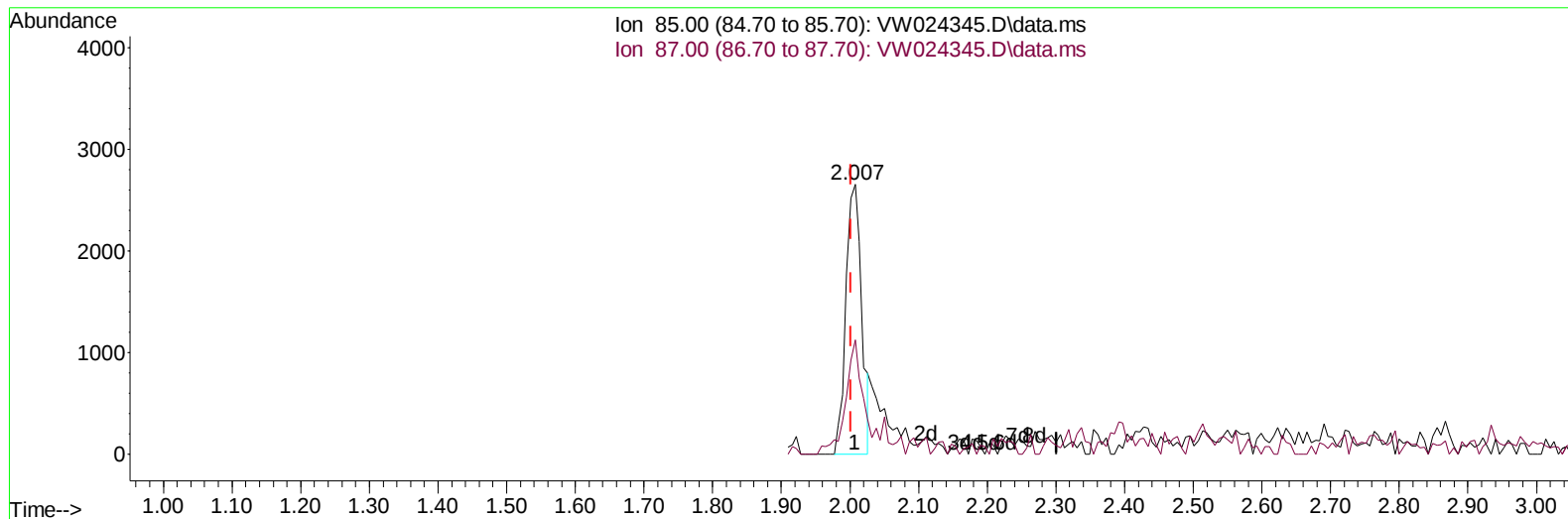
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Data File : VW024345.D
Acq On : 26 Aug 2022 11:15
Operator : SY/VA
Sample : VSTD2.519
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5419

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/30/2022
Supervised By :Mahesh Dadoda 08/30/2022

Quant Time: Aug 26 23:54:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 26 23:53:47 2022
Response via : Initial Calibration



TIC: VW024345.D\data.ms

(2) Dichlorodifluoromethane (T)

2.007min (+ 0.006) 2.00 ug/L

response 4228

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	30.90	44.42#
0.00	0.00	0.00
0.00	0.00	0.00

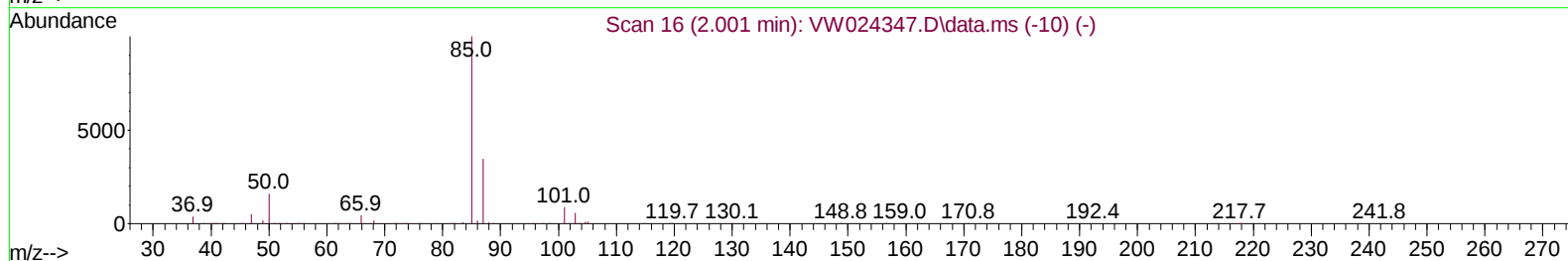
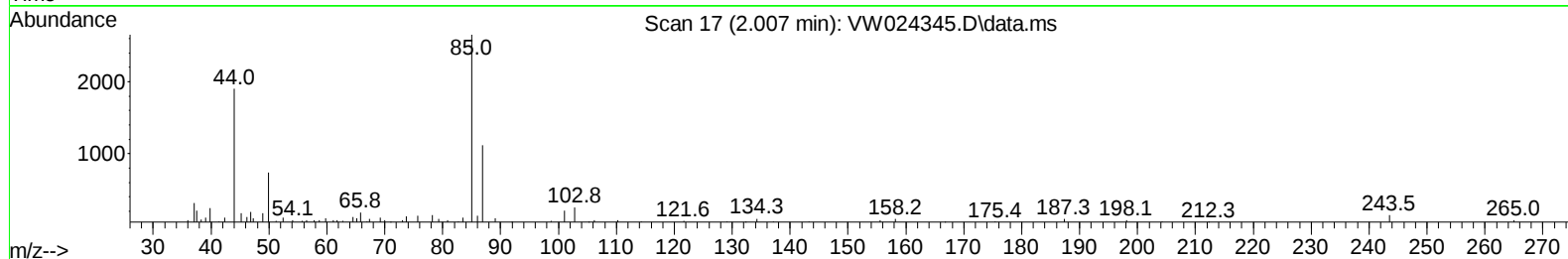
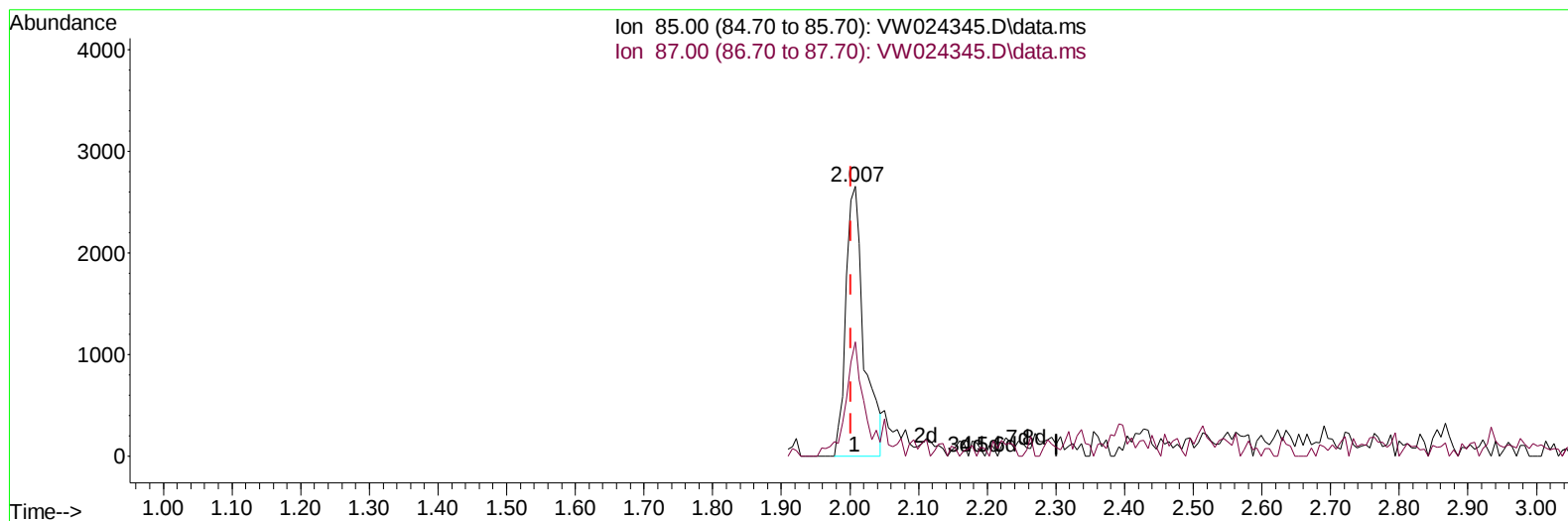
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 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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 Quant Title : SFAM01.0
 QLast Update : Fri Aug 26 23:53:47 2022
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TIC: VW024345.D\data.ms

(2) Dichlorodifluoromethane (T)

2.007min (+ 0.006) 2.28 ug/L m

response 4826

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	30.90	38.91#
0.00	0.00	0.00
0.00	0.00	0.00

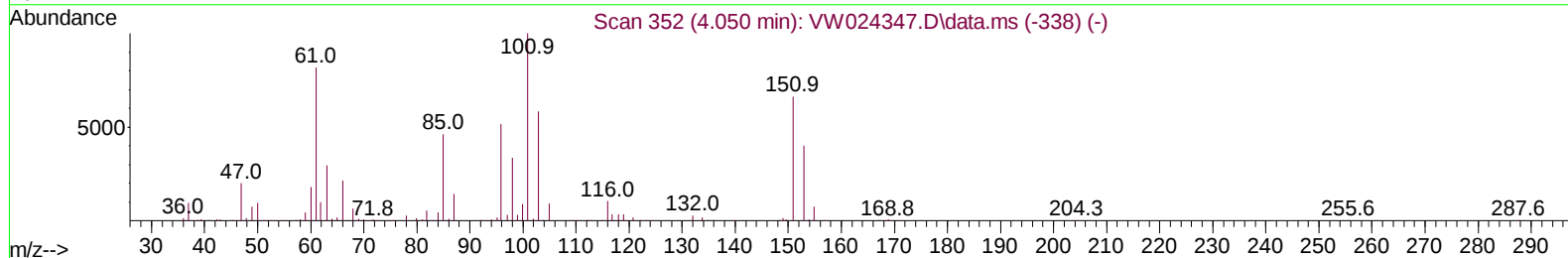
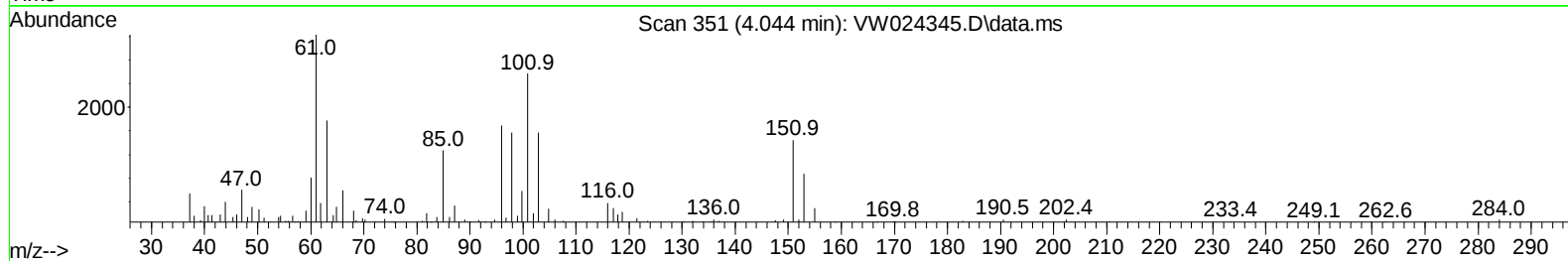
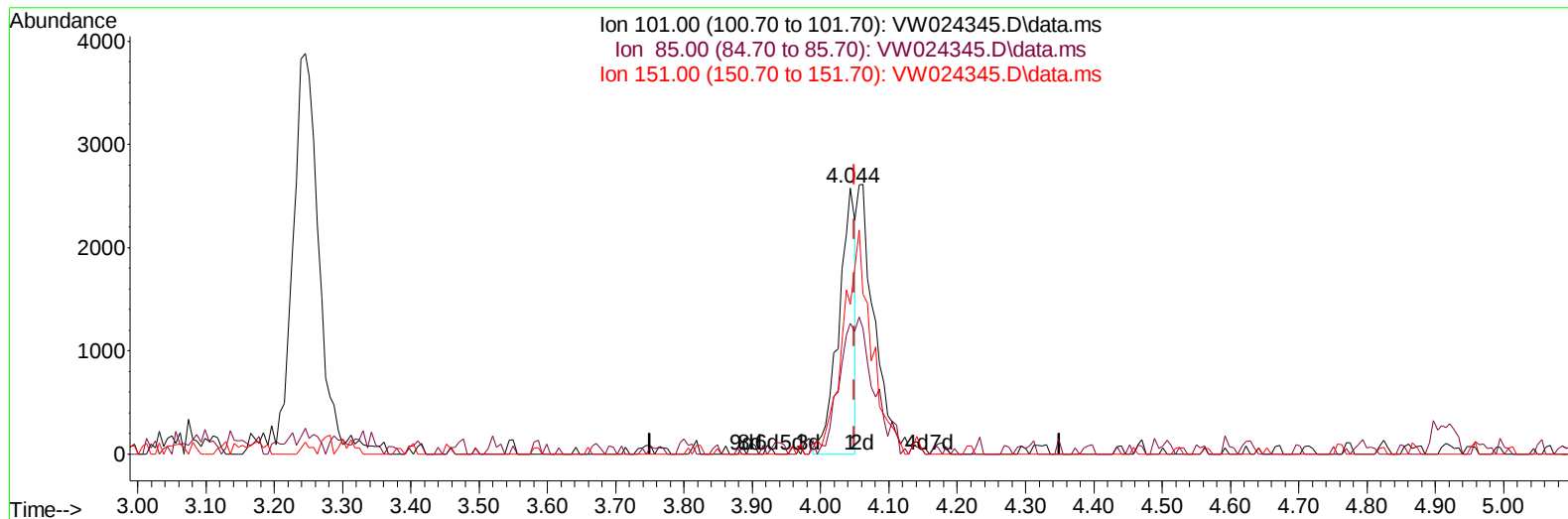
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 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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 Quant Title : SFAM01.0
 QLast Update : Fri Aug 26 23:53:47 2022
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TIC: VW024345.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.044min (-0.006) 1.44 ug/L

response 4353

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	48.90	51.00
151.00	71.00	0.00#
0.00	0.00	0.00

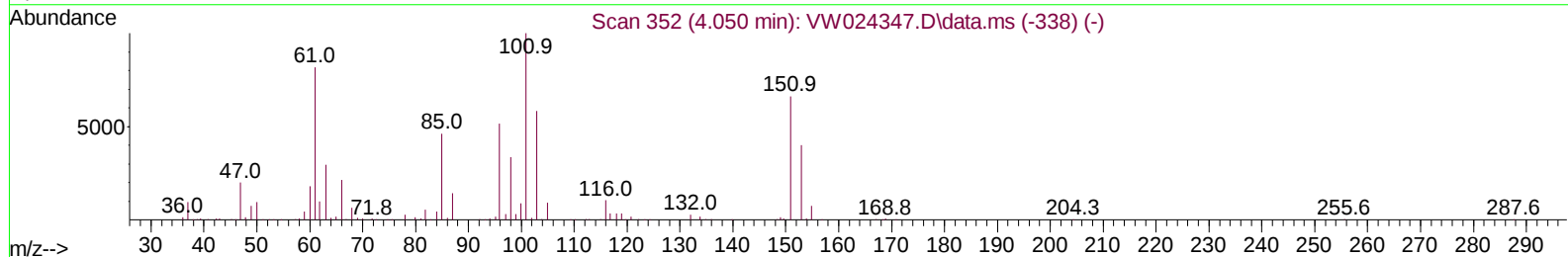
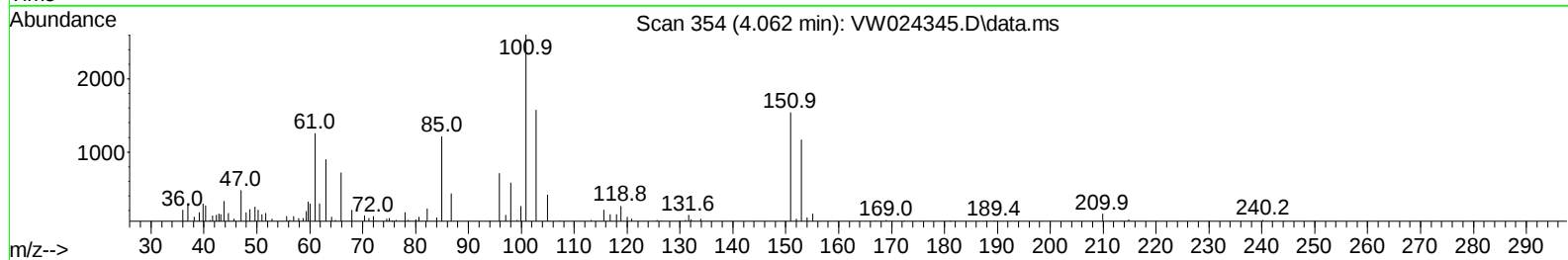
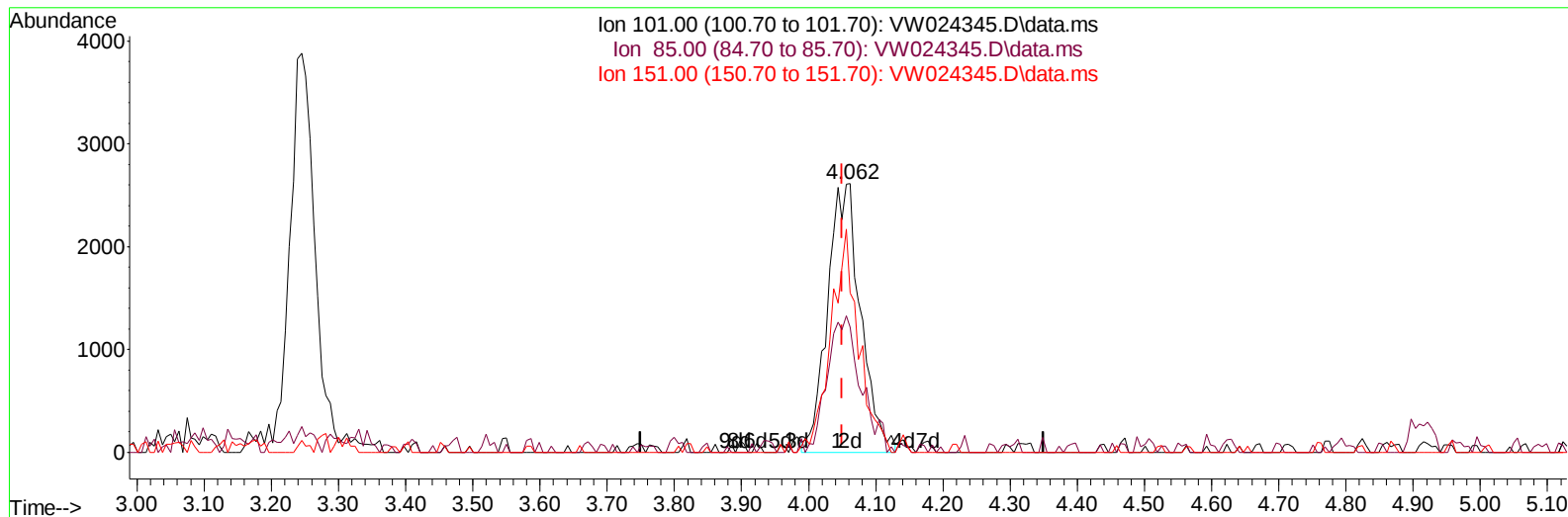
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 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

Quant Time: Aug 26 23:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
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Reviewed By :Semsettin Yesilyurt 08/30/2022
 Supervised By :Mahesh Dadoda 08/30/2022



TIC: VW024345.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (+ 0.012) 2.94 ug/L m

response 8903

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	48.90	24.94#
151.00	71.00	0.00#
0.00	0.00	0.00

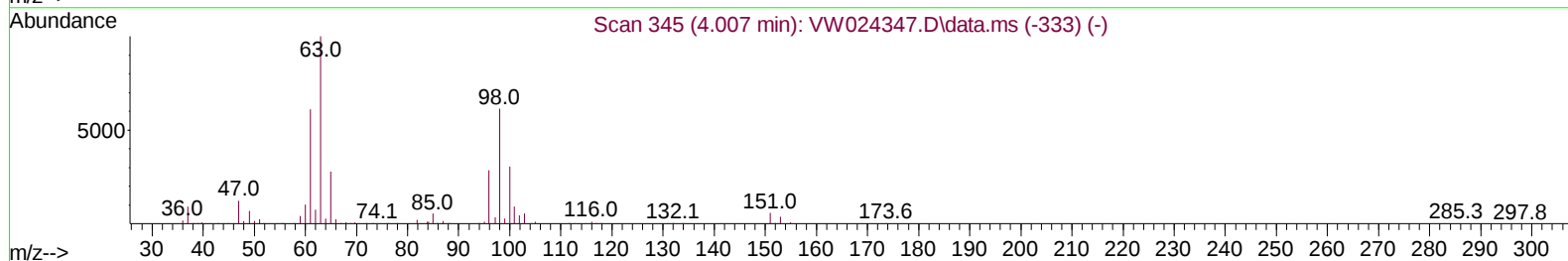
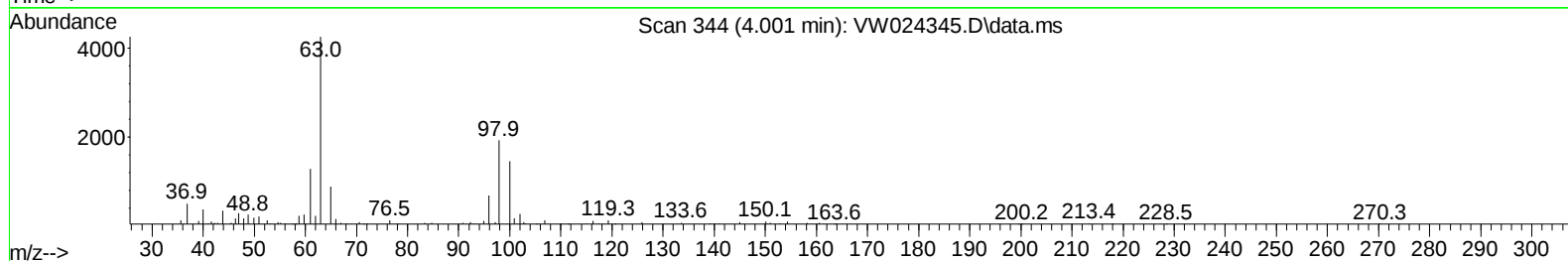
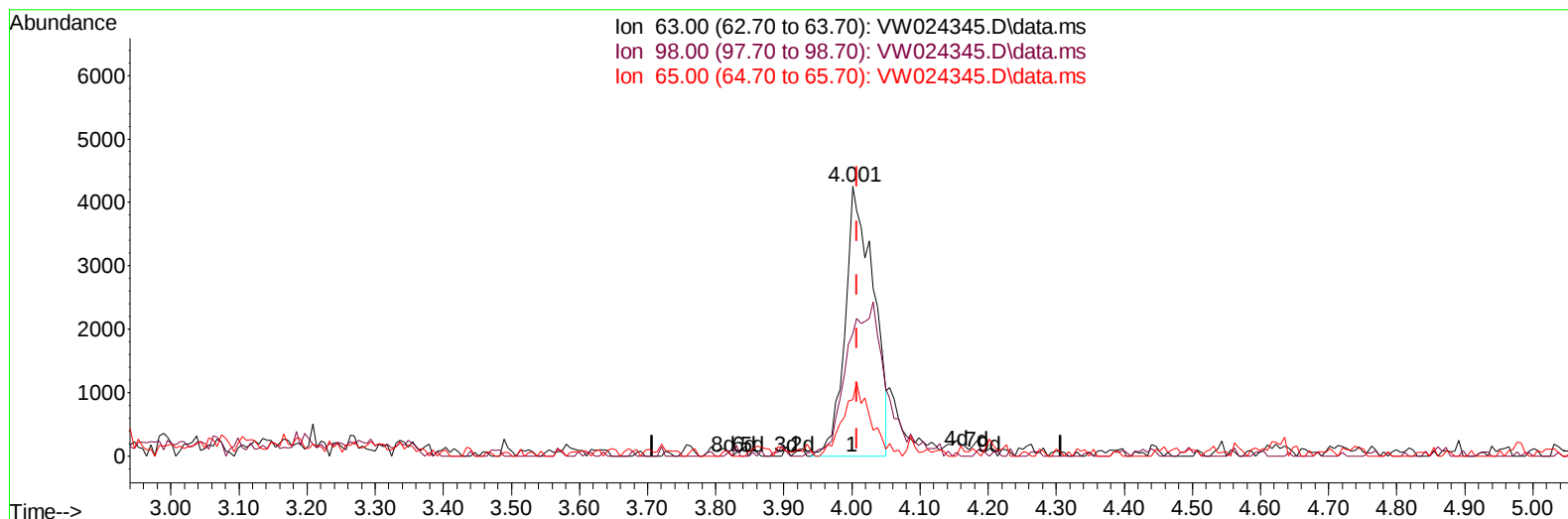
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 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
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 Misc : 5.00g/10mL/MSVOA_W/SOIL
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Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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TIC: VW024345.D\data.ms

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

4.001min (-0.006) 2.55 ug/L

response 12273

Ion	Exp%	Act%
63.00	100.00	100.00
98.00	70.50	34.46#
65.00	22.70	26.26
0.00	0.00	0.00

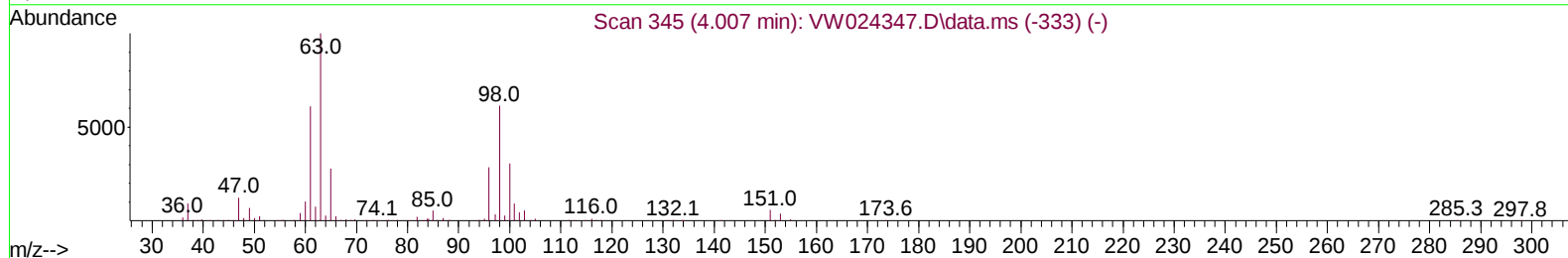
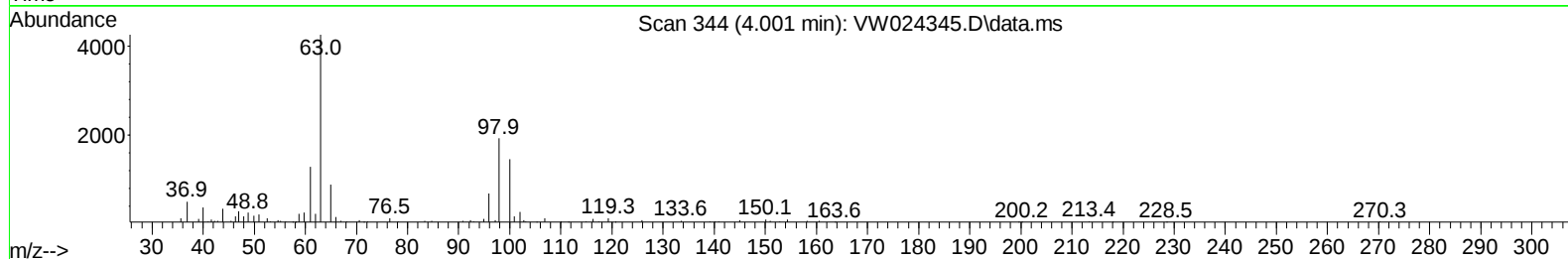
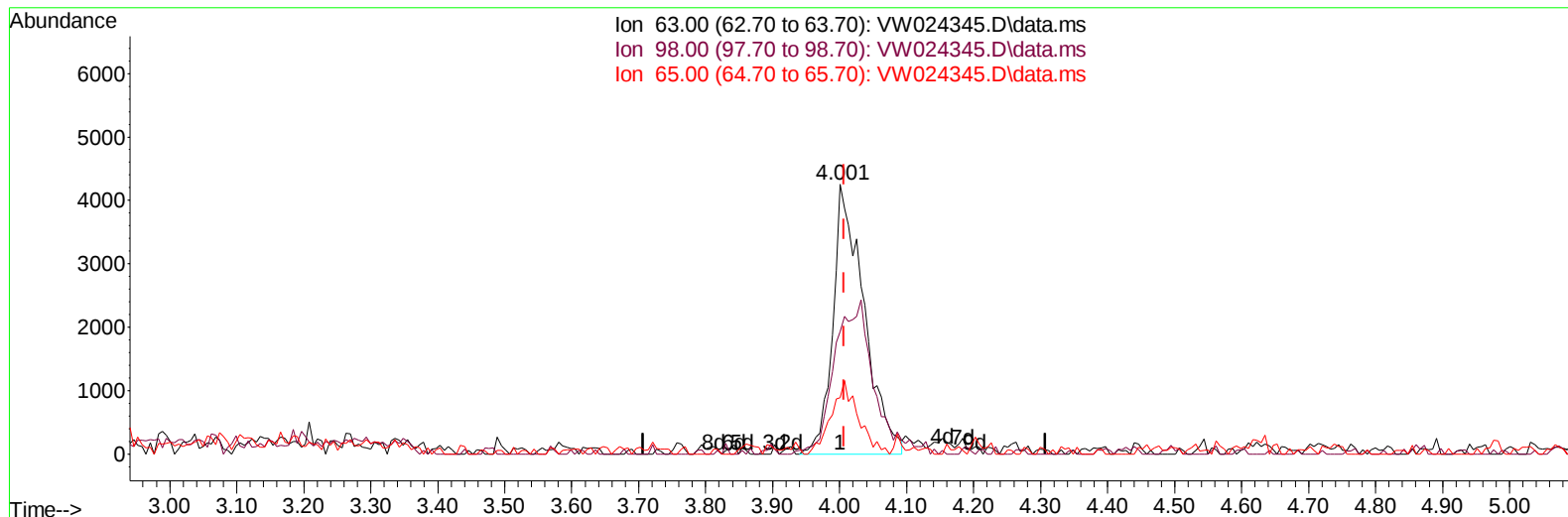
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Data File : VW024345.D
Acq On : 26 Aug 2022 11:15
Operator : SY/VA
Sample : VSTD2.519
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5419

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/30/2022
Supervised By :Mahesh Dadoda 08/30/2022

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Quant Title : SFAM01.0
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Response via : Initial Calibration



TIC: VW024345.D\data.ms

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

4.001min (-0.006) 2.83 ug/L m

response 13650

Ion	Exp%	Act%
63.00	100.00	100.00
98.00	70.50	30.98#
65.00	22.70	23.61
0.00	0.00	0.00

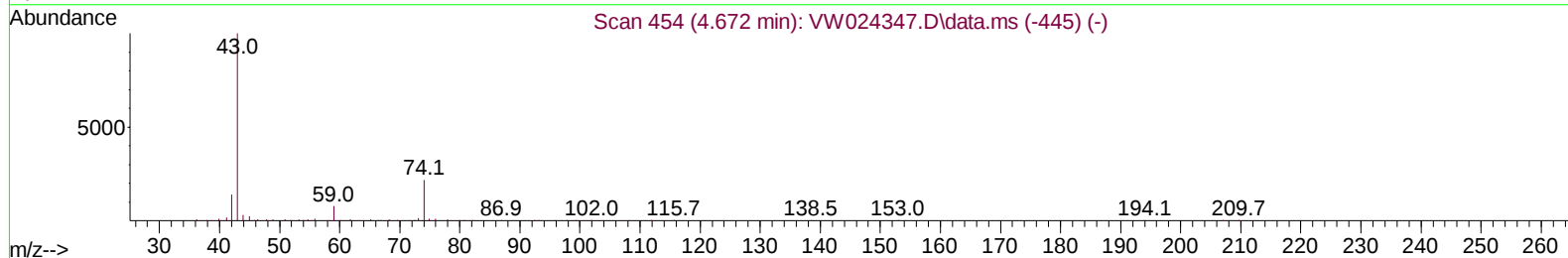
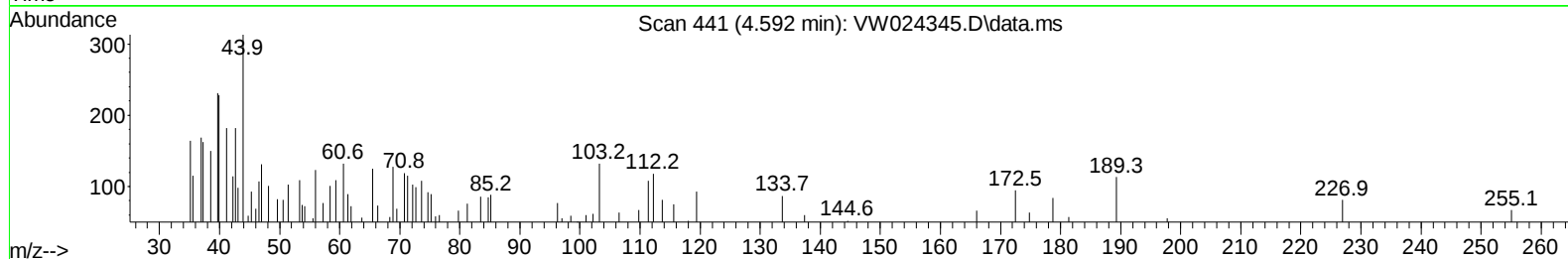
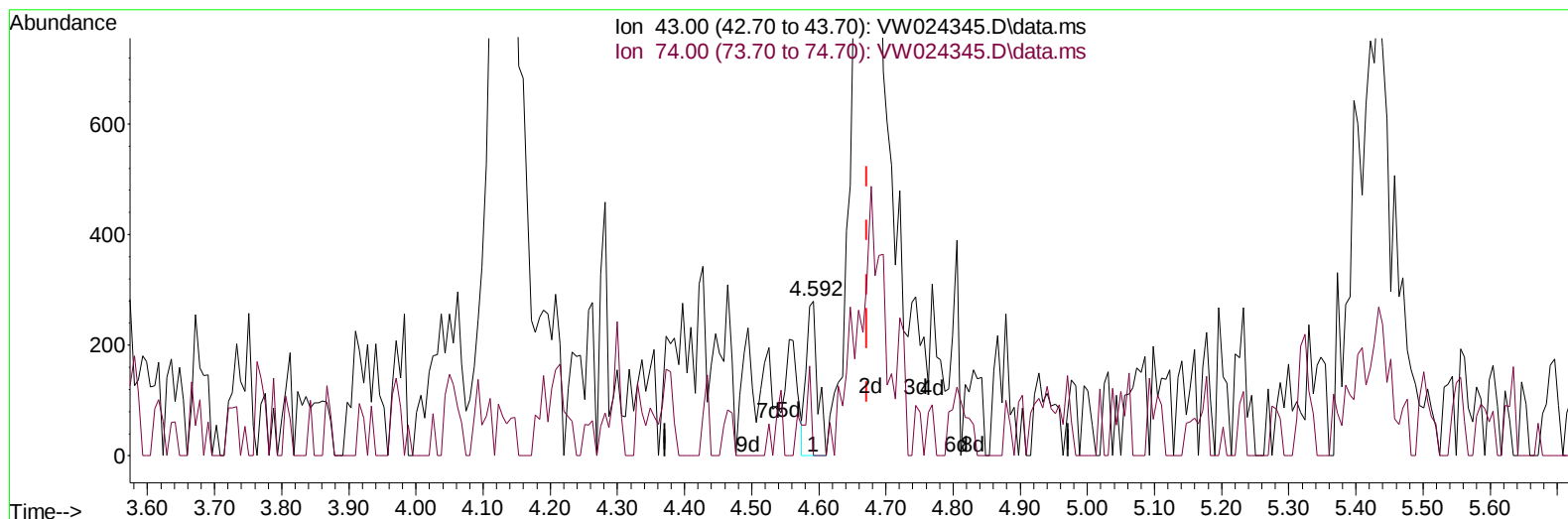
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 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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Reviewed By :Semsettin Yesilyurt 08/30/2022
 Supervised By :Mahesh Dadoda 08/30/2022



TIC: VW024345.D\data.ms

(15) Methyl Acetate (T)

4.592min (-0.079) 0.22 ug/L

response 329

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	22.40	17.93
0.00	0.00	0.00
0.00	0.00	0.00

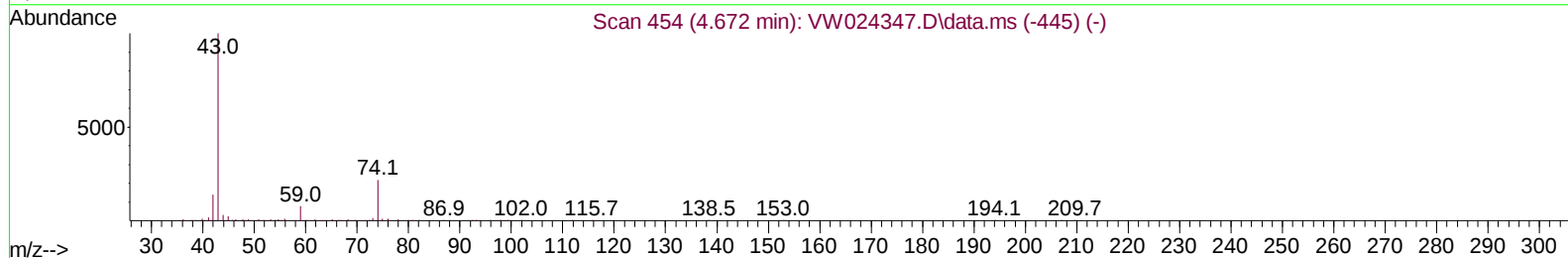
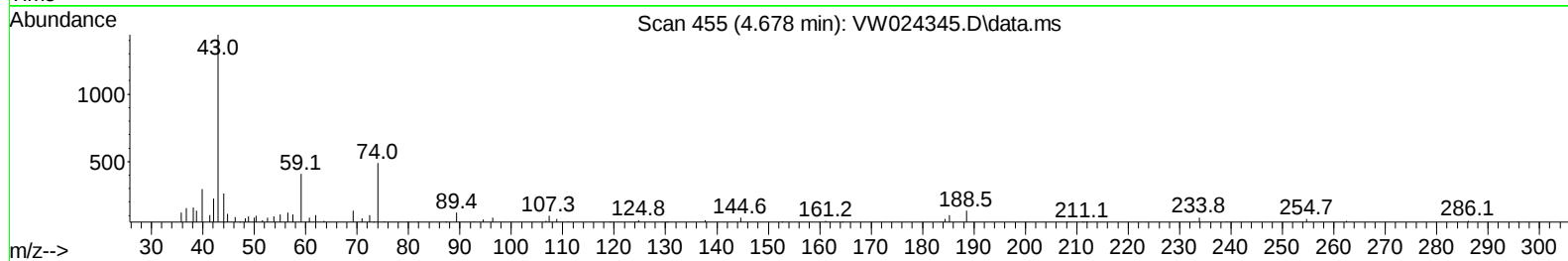
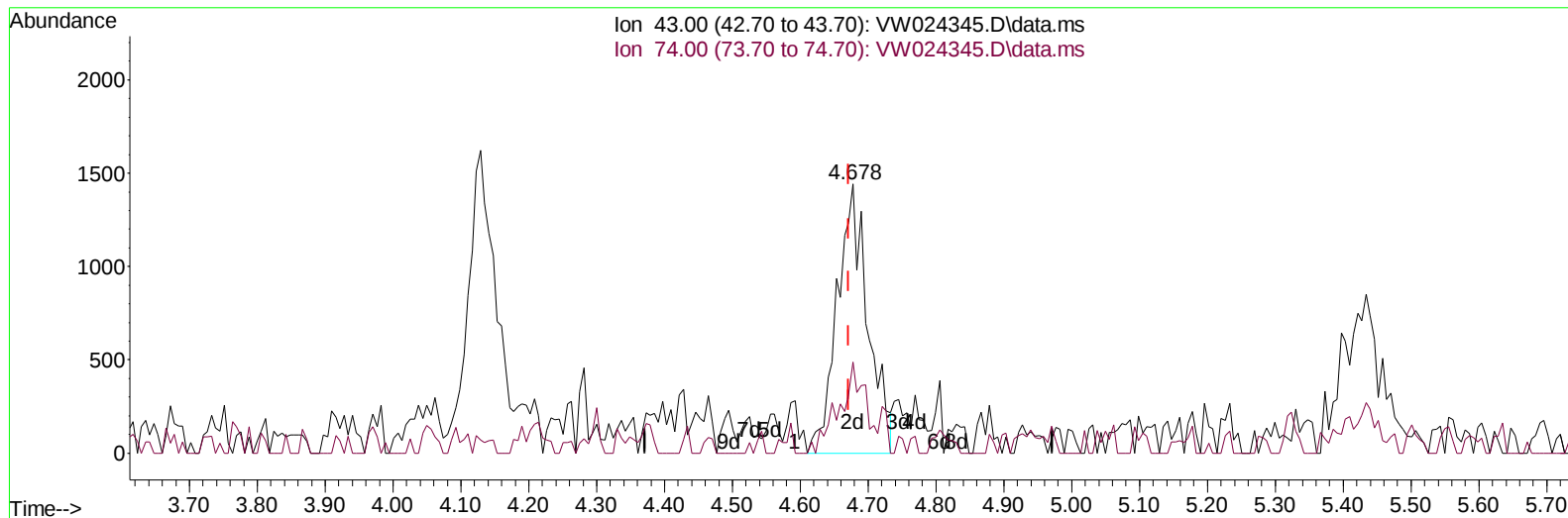
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 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

Quant Time: Aug 26 23:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 26 23:53:47 2022
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/30/2022
 Supervised By :Mahesh Dadoda 08/30/2022



TIC: VW024345.D\data.ms

(15) Methyl Acetate (T)

4.678min (+ 0.006) 2.96 ug/L m

response 4512

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	22.40	1.31#
0.00	0.00	0.00
0.00	0.00	0.00

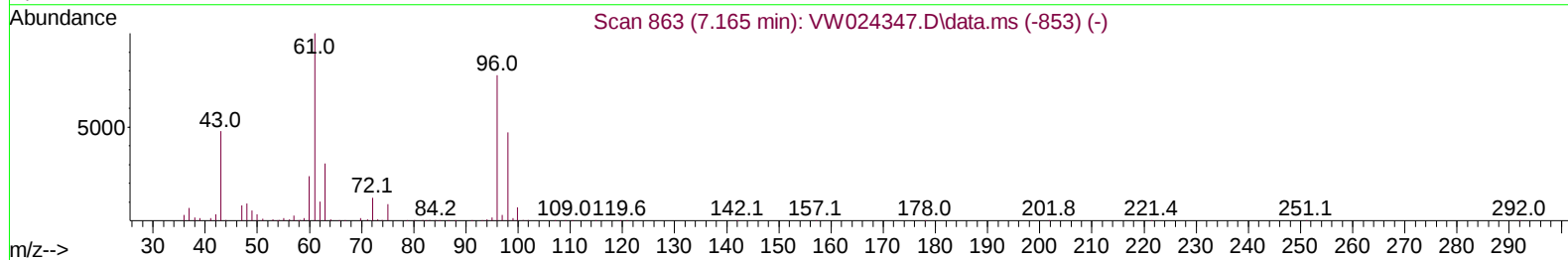
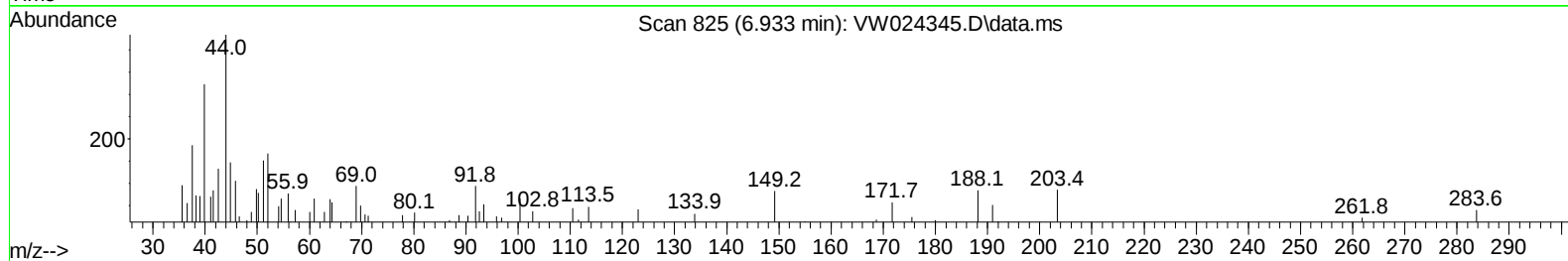
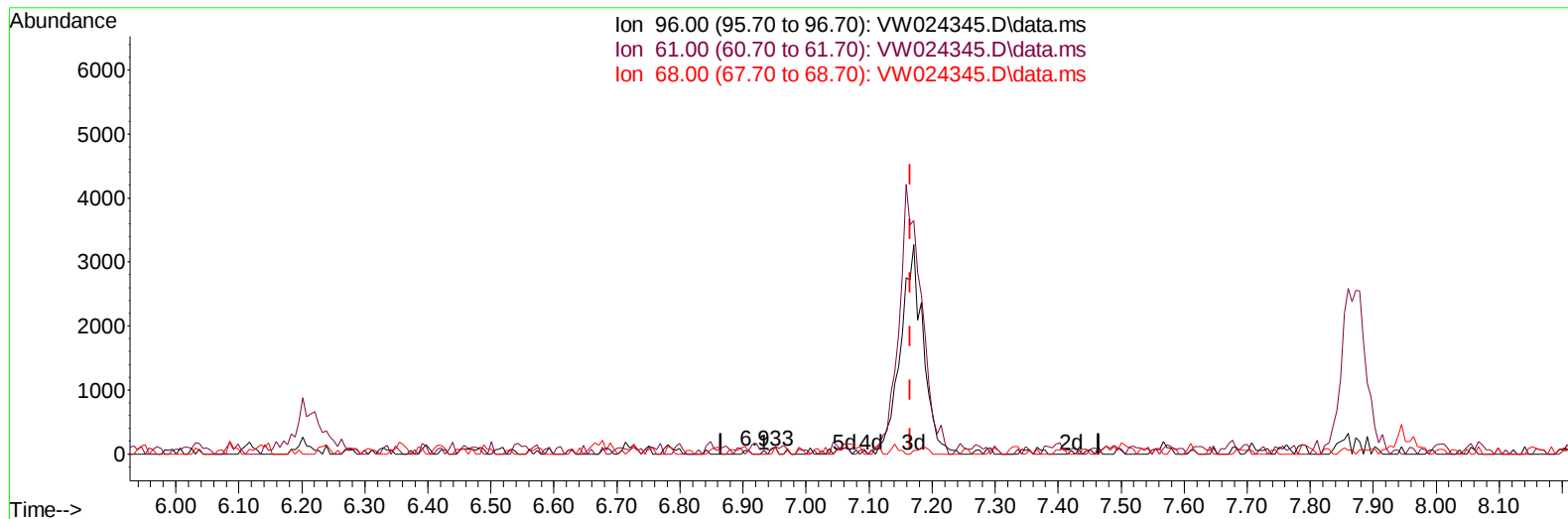
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 Data File : VW024345.D
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Instrument :
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 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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TIC: VW024345.D\data.ms

(20) cis-1,2-Dichloroethene (T)

6.933min (-0.232) 0.01 ug/L

response 22

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	128.90	153.33
68.00	0.00	0.00
0.00	0.00	0.00

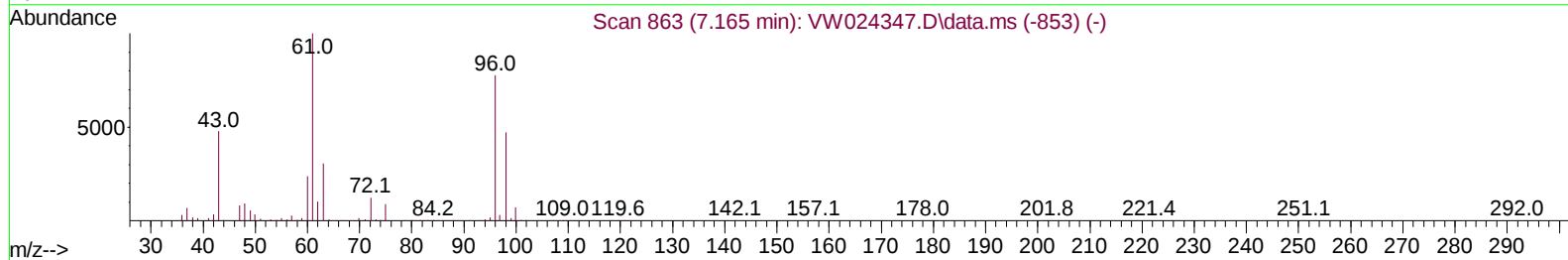
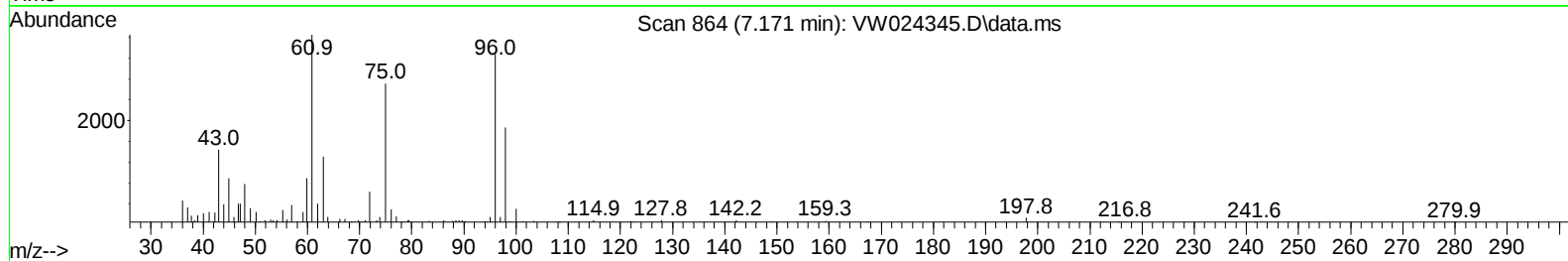
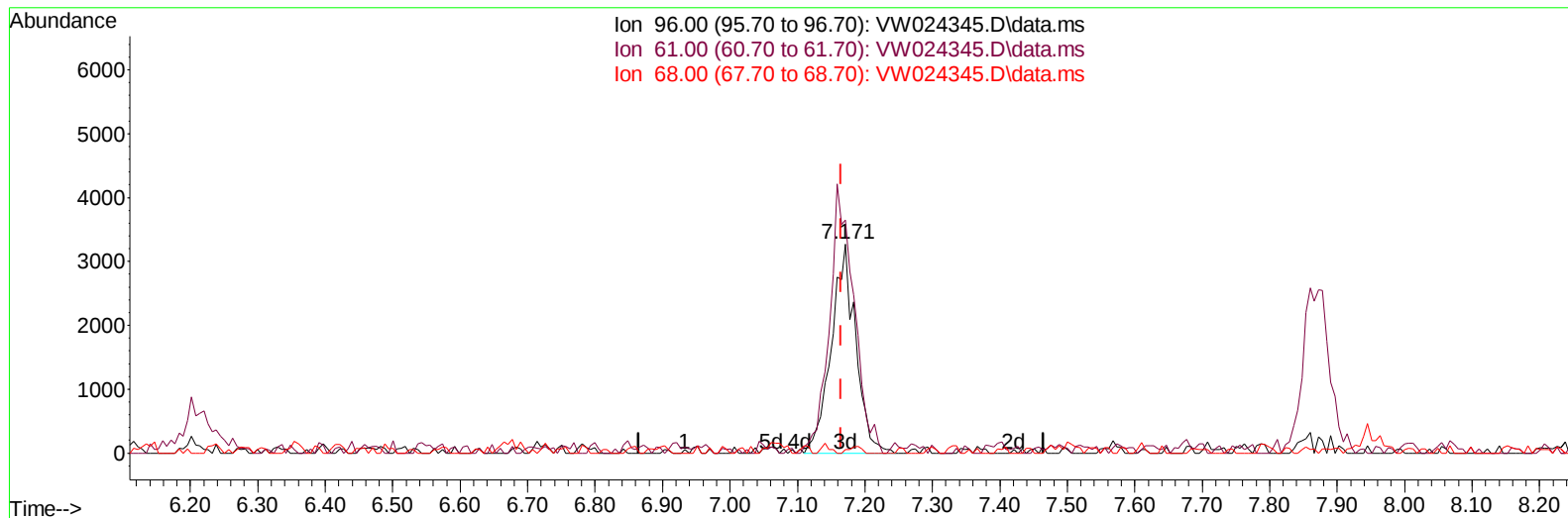
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Instrument :
 MSVOA_W
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VW024345.D\data.ms

(20) cis-1,2-Dichloroethene (T)

7.171min (+ 0.006) 2.56 ug/L m

response 8204

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	128.90	111.39
68.00	0.00	1.59#
0.00	0.00	0.00

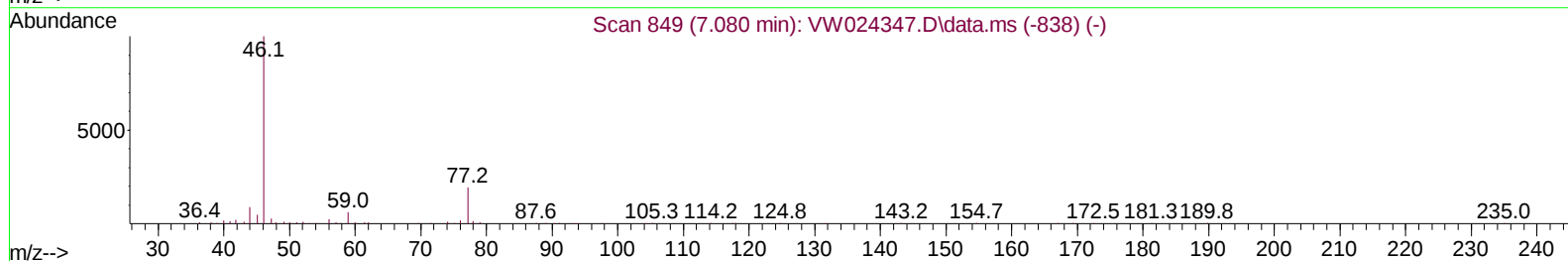
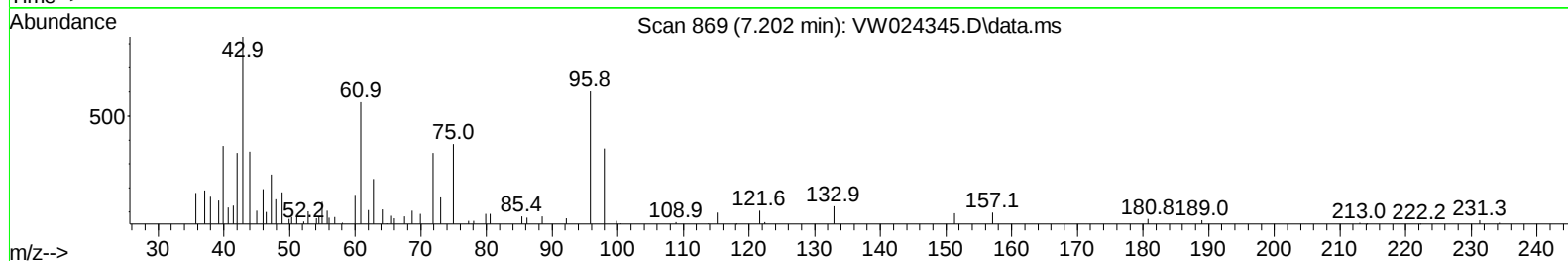
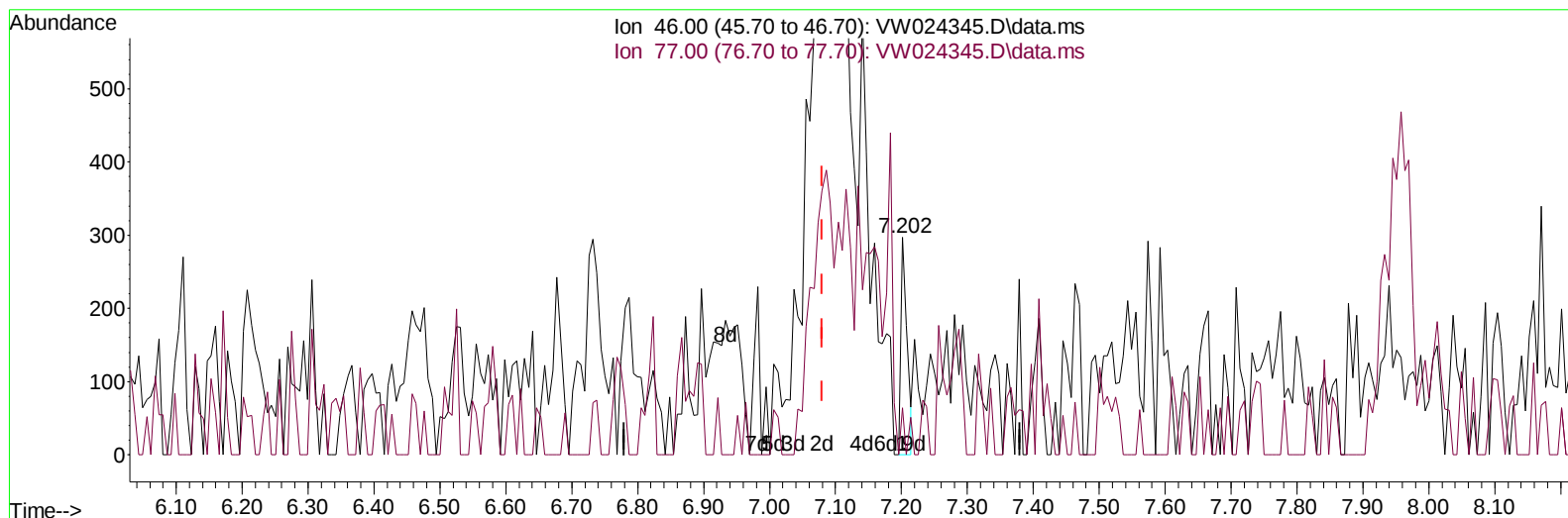
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 Operator : SY/VA
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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TIC: VW024345.D\data.ms

(21) 2-Butanone-d5 (S)

7.202min (+ 0.122) 0.20 ug/L

response 197

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	12.40	11.68
0.00	0.00	0.00
0.00	0.00	0.00

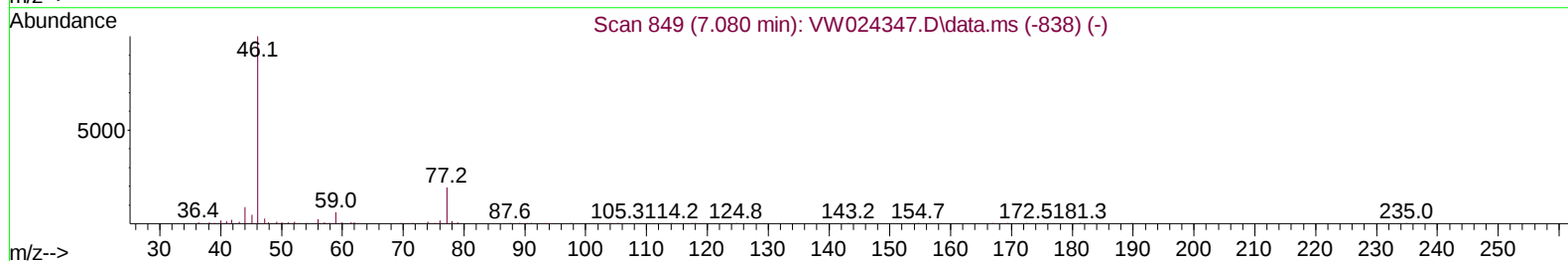
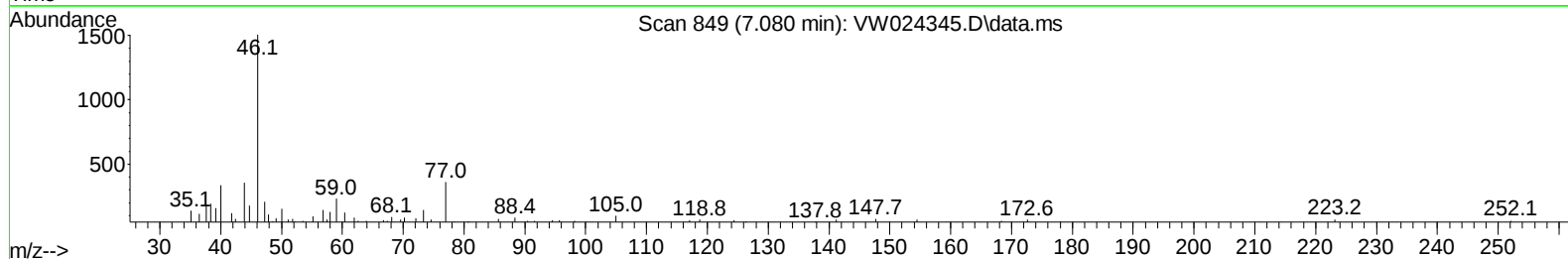
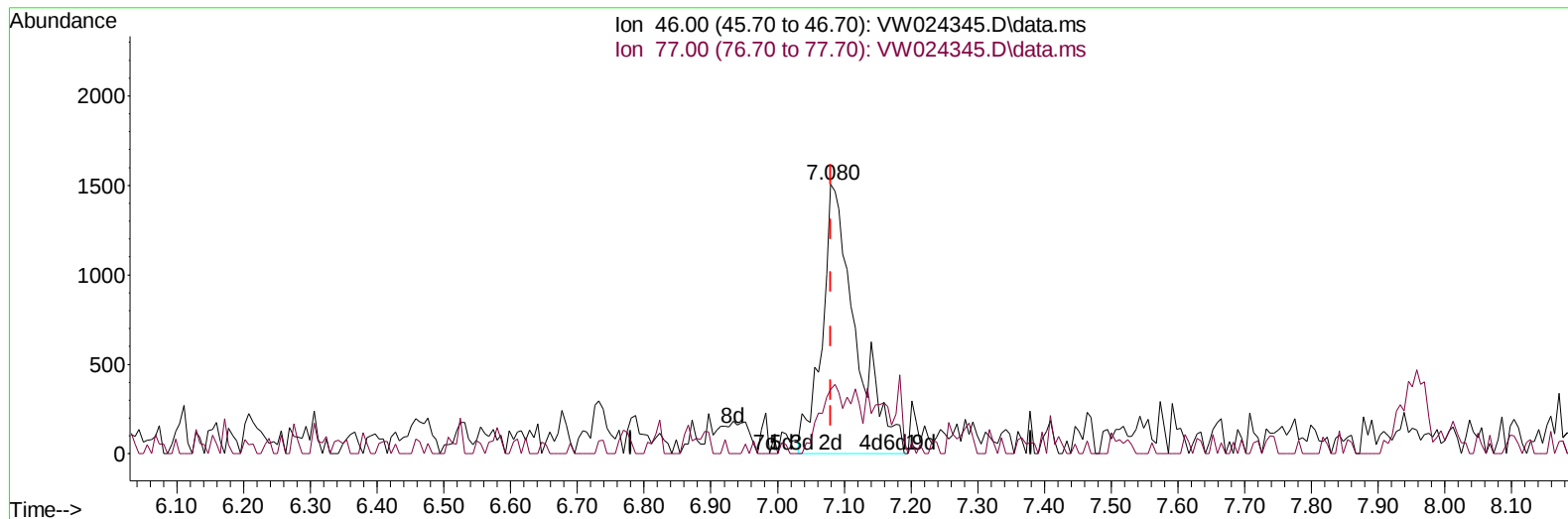
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Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VW024345.D\data.ms

(21) 2-Butanone-d5 (S)

7.080min (+ 0.000) 5.25 ug/L m

response 5298

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	12.40	0.43#
0.00	0.00	0.00
0.00	0.00	0.00

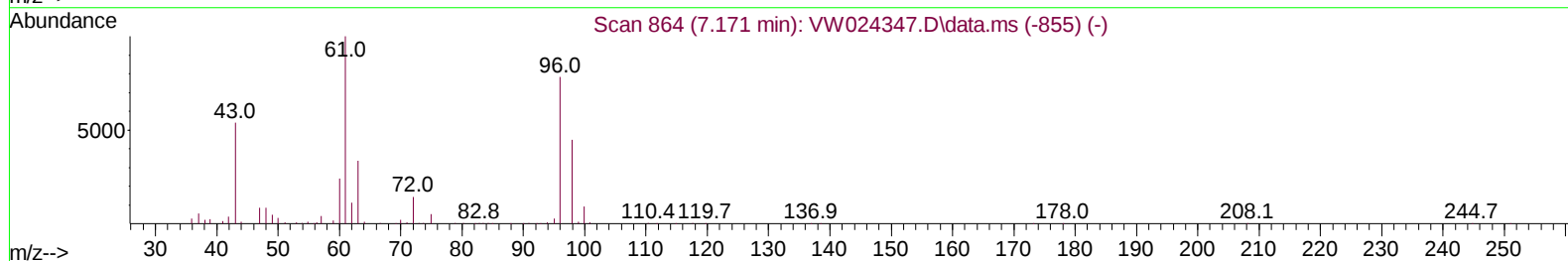
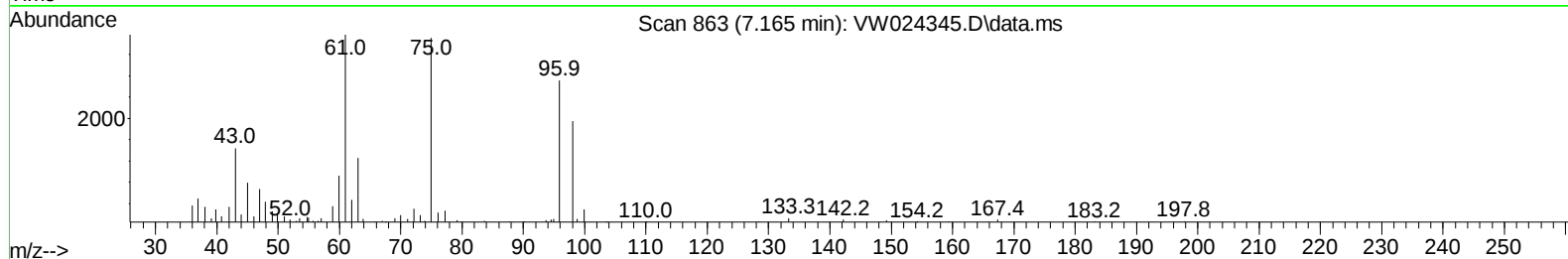
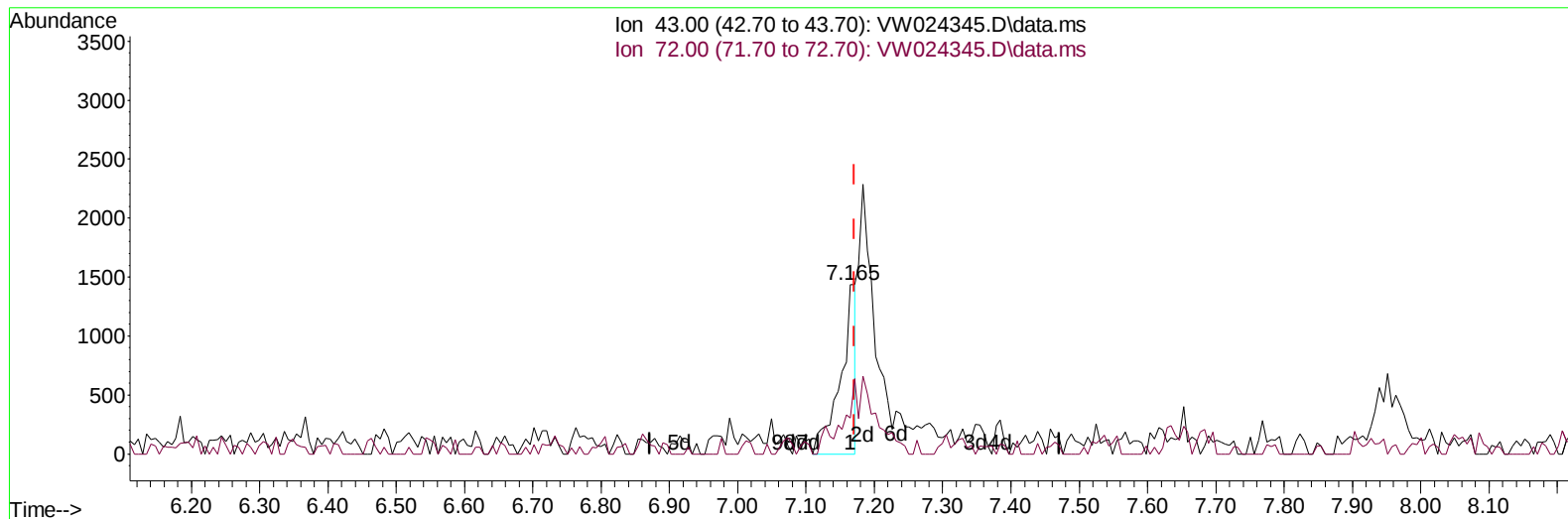
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 Operator : SY/VA
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Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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 Response via : Initial Calibration



TIC: VW024345.D\data.ms

(22) 2-Butanone (T)

7.165min (-0.006) 2.04 ug/L

response 2266

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.70	32.74
0.00	0.00	0.00
0.00	0.00	0.00

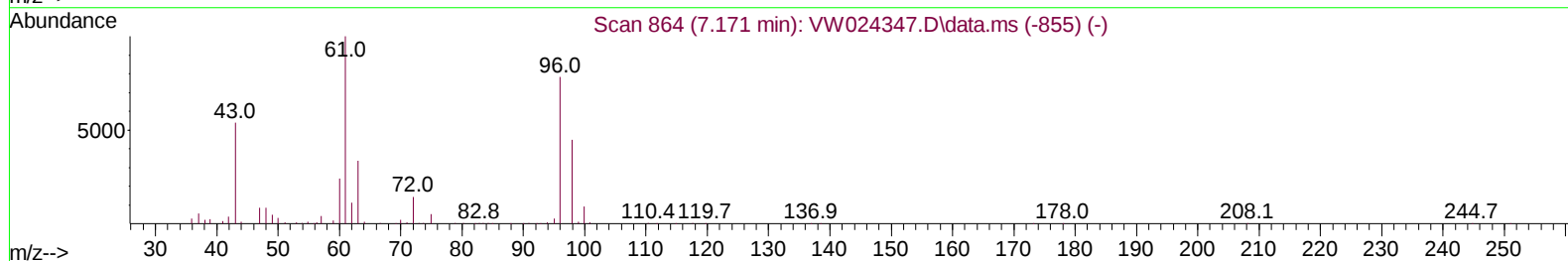
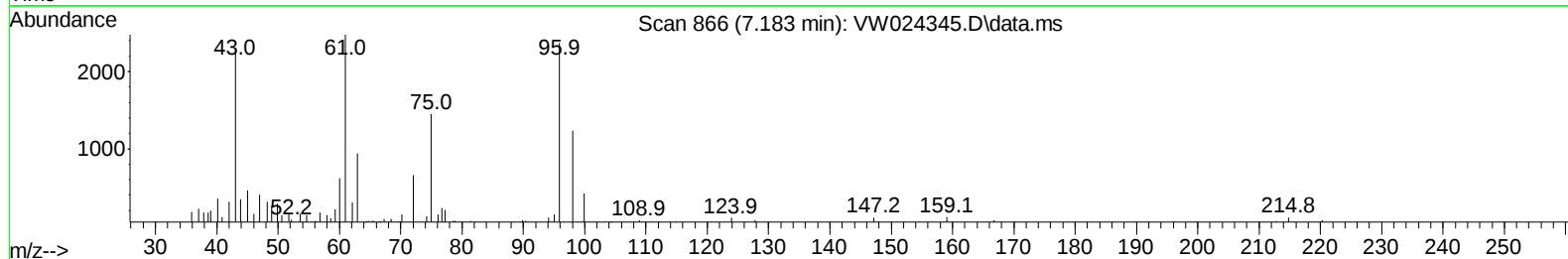
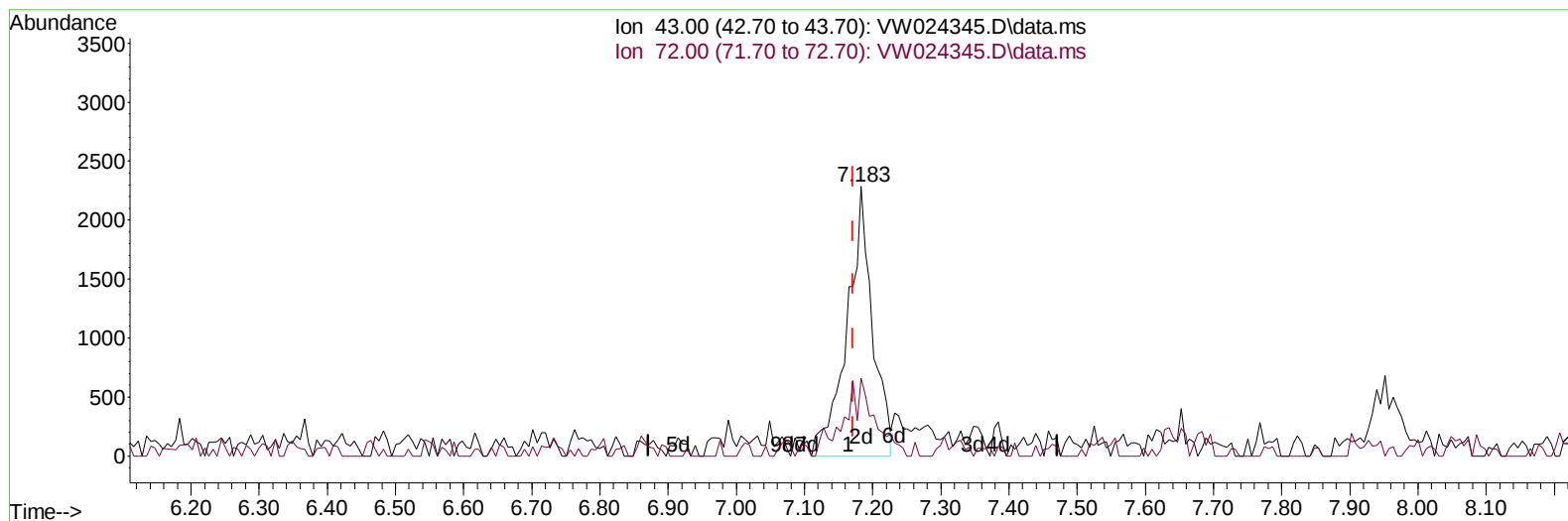
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

Quant Time: Aug 26 23:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 26 23:53:47 2022
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/30/2022
 Supervised By :Mahesh Dadoda 08/30/2022



TIC: VW024345.D\data.ms

(22) 2-Butanone (T)

7.183min (+ 0.012) 5.31 ug/L m

response 5908

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.70	12.56#
0.00	0.00	0.00
0.00	0.00	0.00

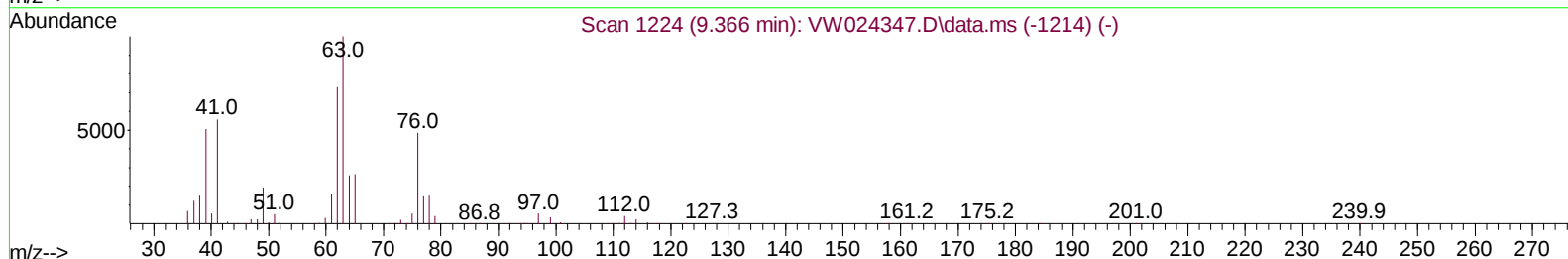
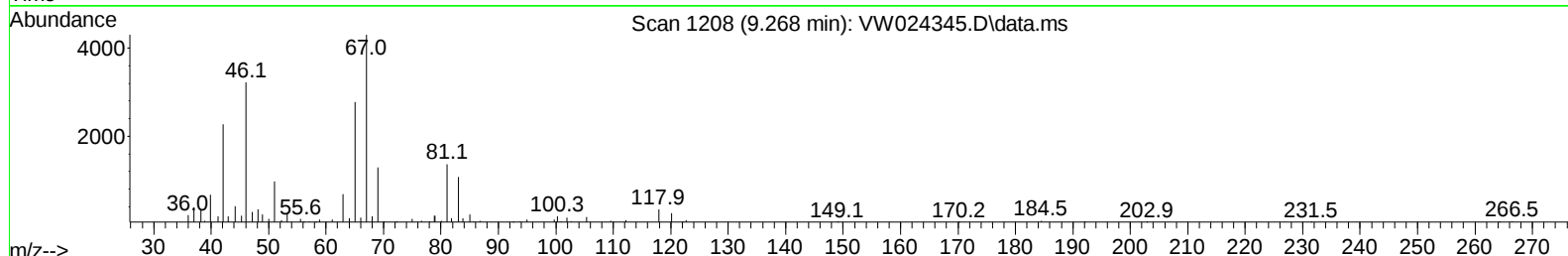
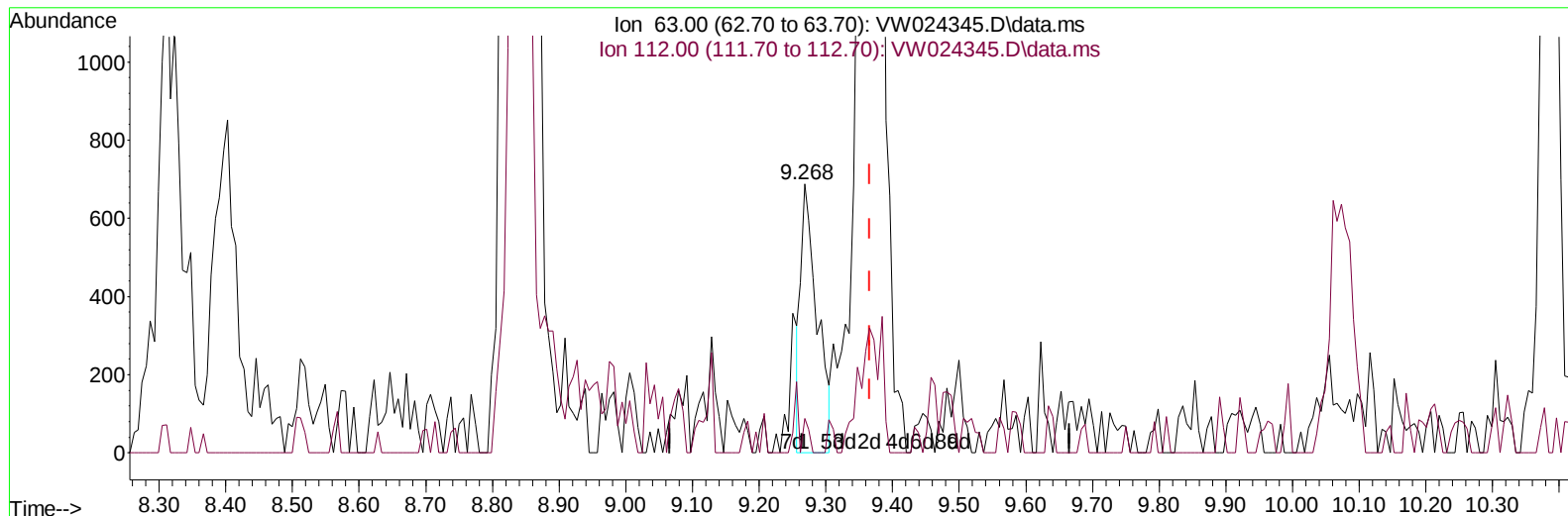
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 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5419

Manual IntegrationsAPPROVED

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 Supervised By :Mahesh Dadoda 08/30/2022

Quant Time: Aug 26 23:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 26 23:53:47 2022
 Response via : Initial Calibration



TIC: VW024345.D\data.ms

(37) 1,2-Dichloropropane (T)

9.268min (-0.098) 0.35 ug/L

response 1173

Ion	Exp%	Act%
63.00	100.00	100.00
112.00	4.20	4.60
0.00	0.00	0.00
0.00	0.00	0.00

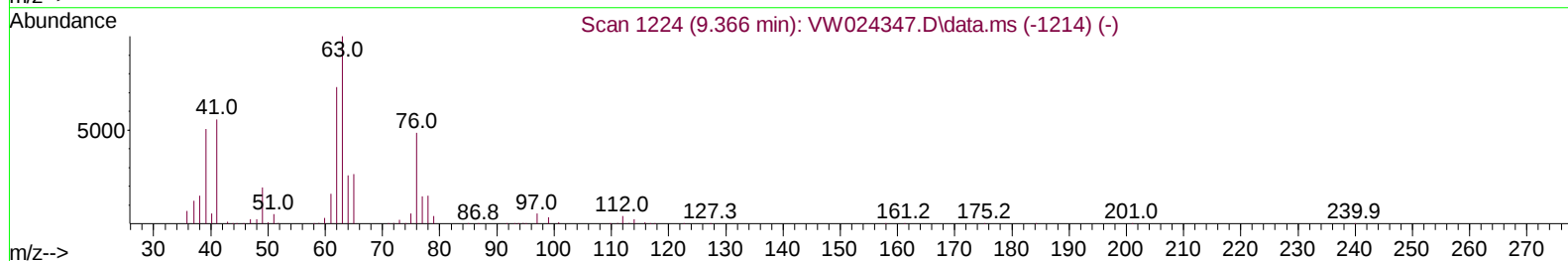
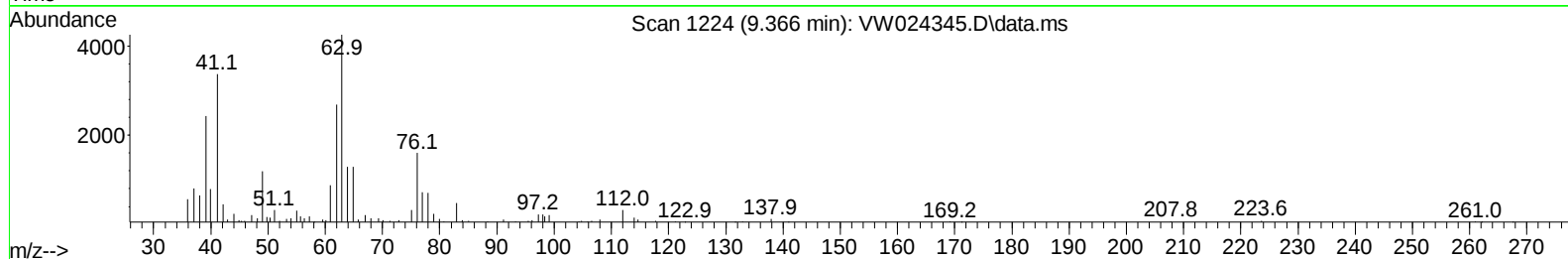
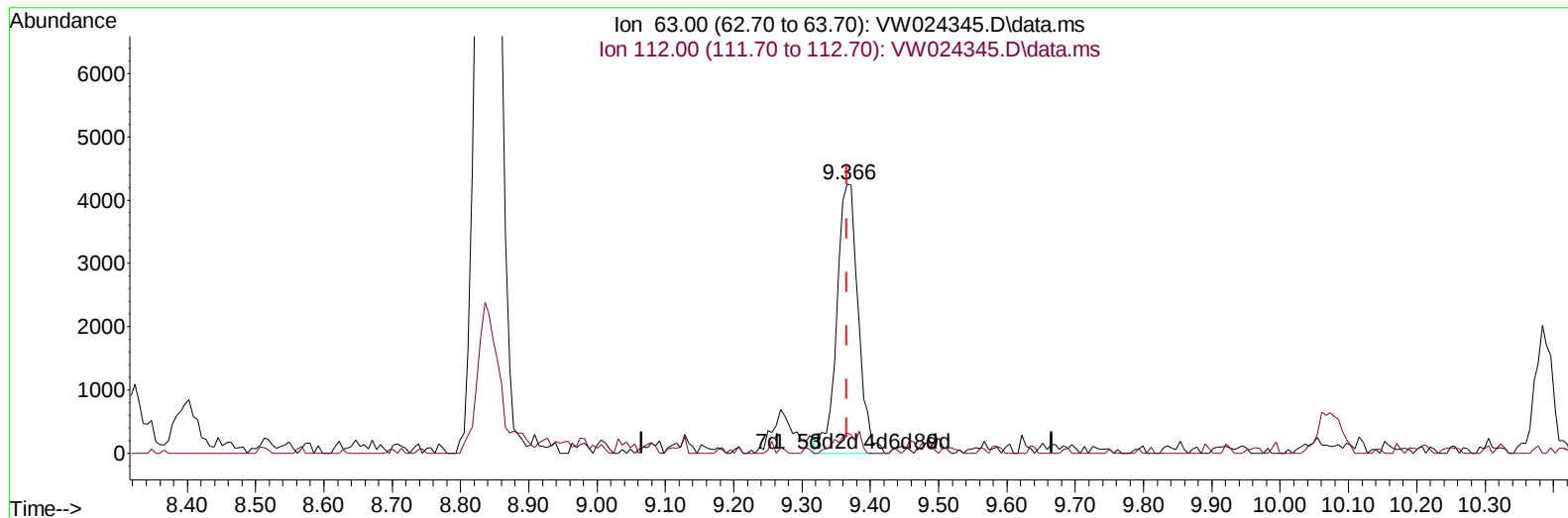
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
Data File : VW024345.D
Acq On : 26 Aug 2022 11:15
Operator : SY/VA
Sample : VSTD2.519
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5419

Manual IntegrationsAPPROVED

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TIC: VW024345.D\data.ms

(37) 1,2-Dichloropropane (T)

9.366min (+ 0.000) 2.80 ug/L m

response 9282

Ion	Exp%	Act%
63.00	100.00	100.00
112.00	4.20	0.58#
0.00	0.00	0.00
0.00	0.00	0.00

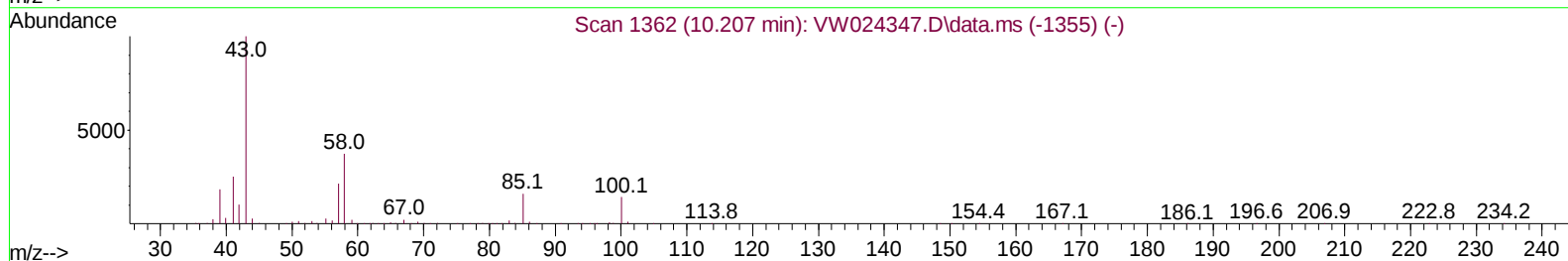
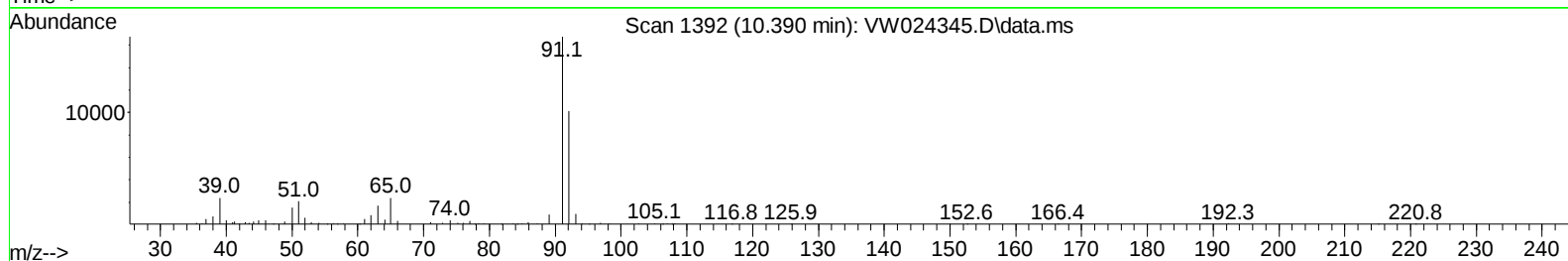
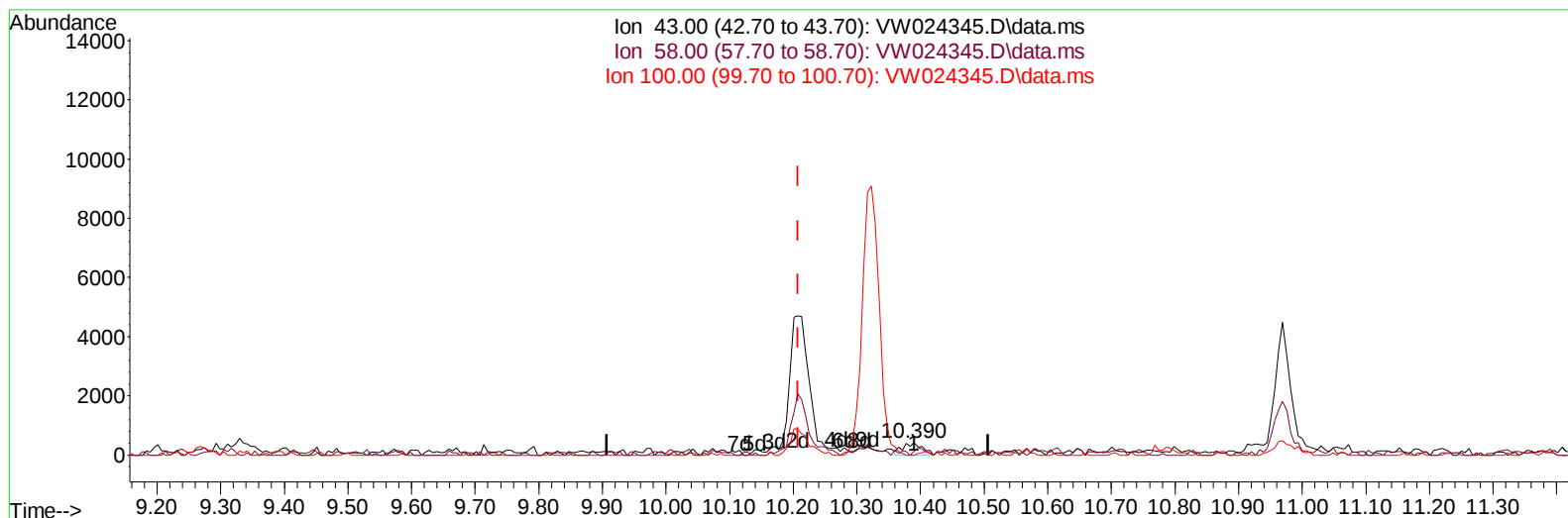
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Data File : VW024345.D
Acq On : 26 Aug 2022 11:15
Operator : SY/VA
Sample : VSTD2.519
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5419

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QLast Update : Fri Aug 26 23:53:47 2022
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TIC: VW024345.D\data.ms

(40) 4-Methyl-2-pentanone (T)**10.390min (+ 0.183) 0.38 ug/L****response 881**

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	36.80	31.10
100.00	14.80	12.83
0.00	0.00	0.00

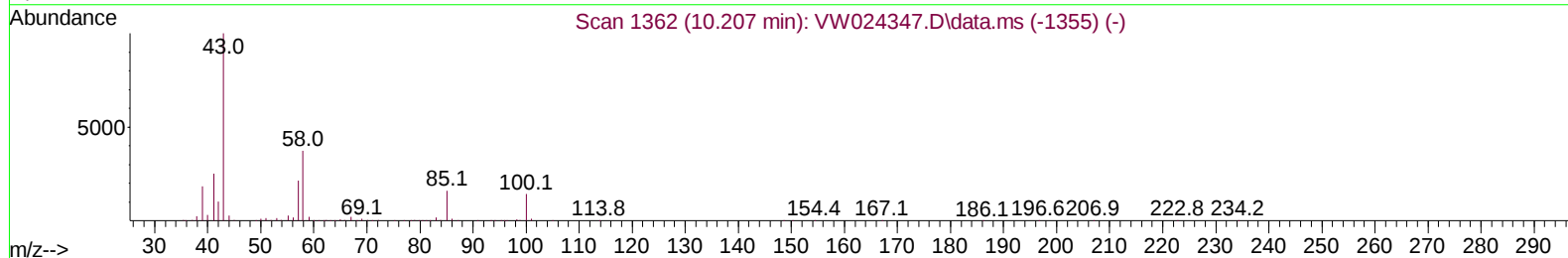
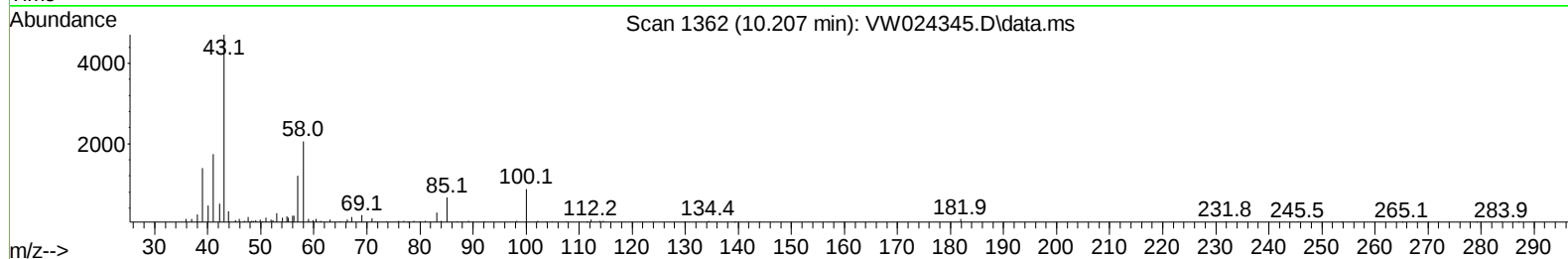
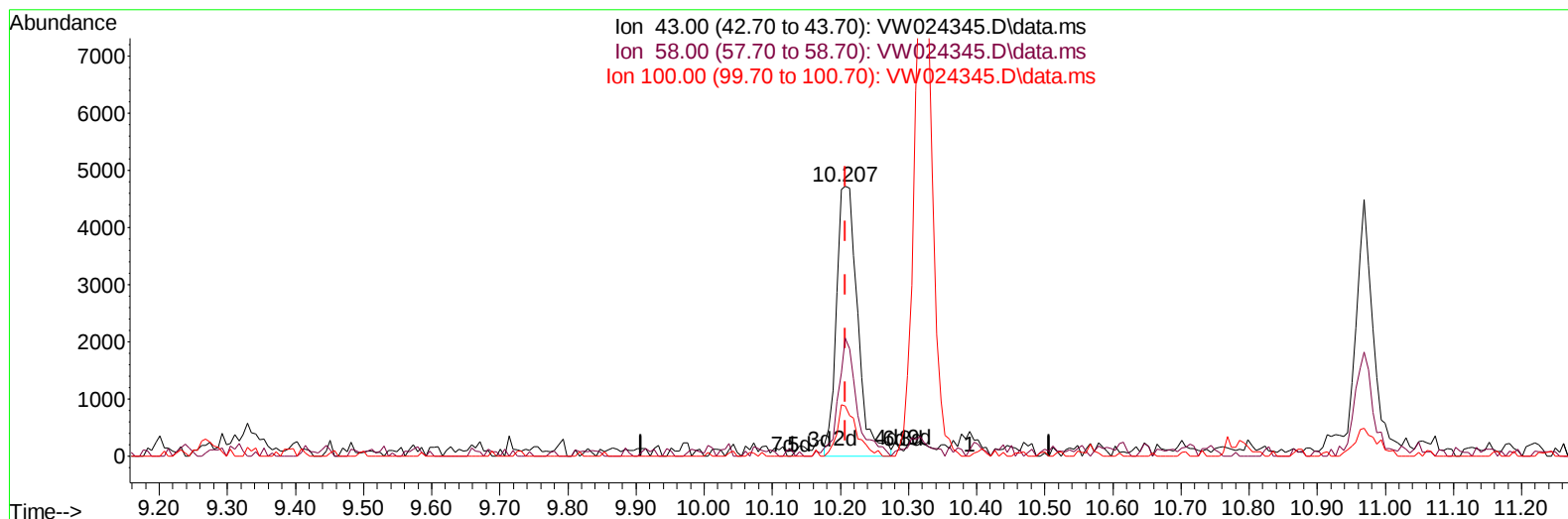
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024345.D
 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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TIC: VW024345.D\data.ms

(40) 4-Methyl-2-pentanone (T)

10.207min (+ 0.000) 4.37 ug/L m

response 10231

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	36.80	2.68#
100.00	14.80	1.10#
0.00	0.00	0.00

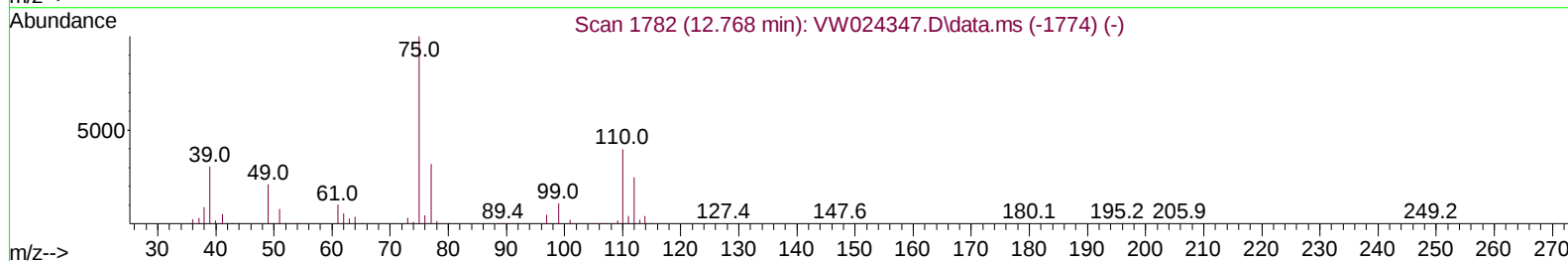
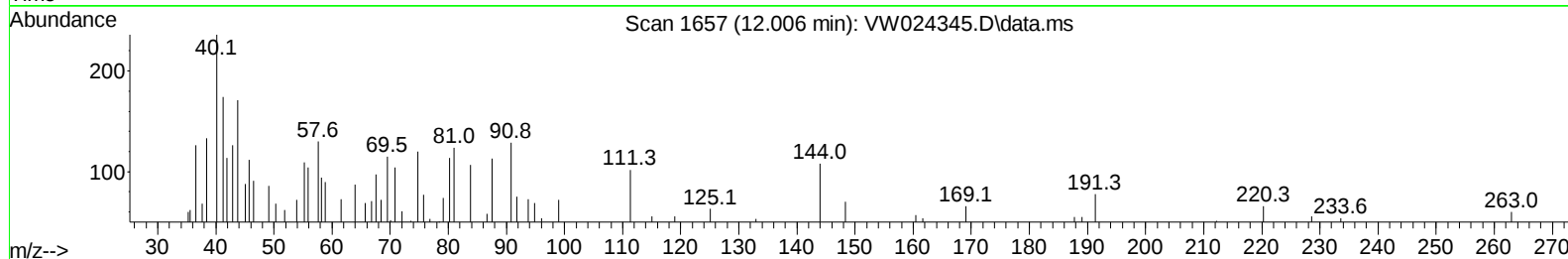
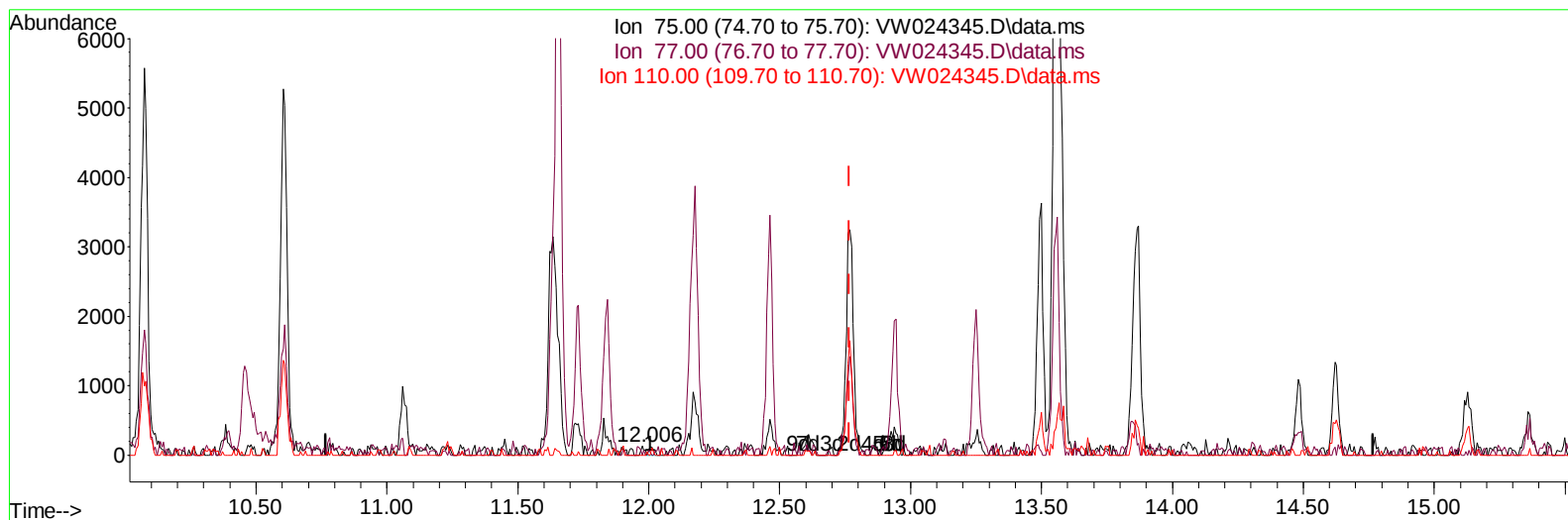
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Data File : VW024345.D
Acq On : 26 Aug 2022 11:15
Operator : SY/VA
Sample : VSTD2.519
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5419

Manual IntegrationsAPPROVED

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Supervised By :Mahesh Dadoda 08/30/2022

Quant Time: Aug 26 23:54:28 2022
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QLast Update : Fri Aug 26 23:53:47 2022
Response via : Initial Calibration



TIC: VW024345.D\data.ms

(61) 1,2,3-Trichloropropane**12.006min (-0.762) 0.07 ug/L****response 166**

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	33.10	27.11
110.00	42.30	36.14
0.00	0.00	0.00

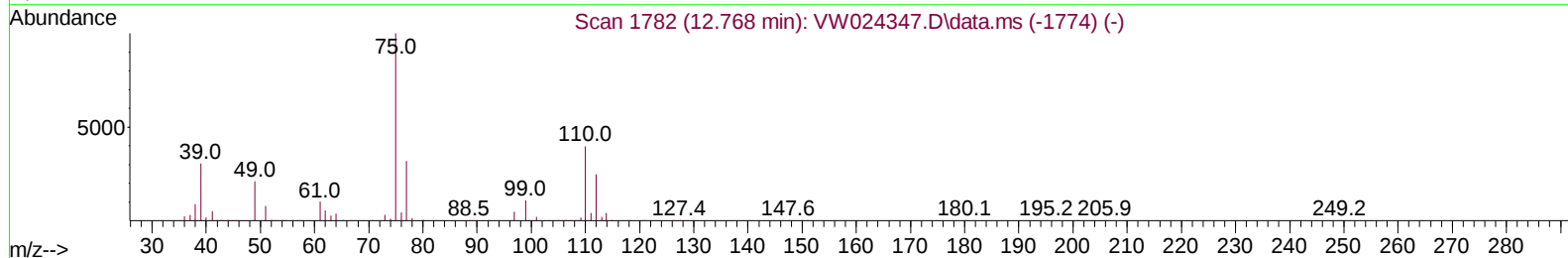
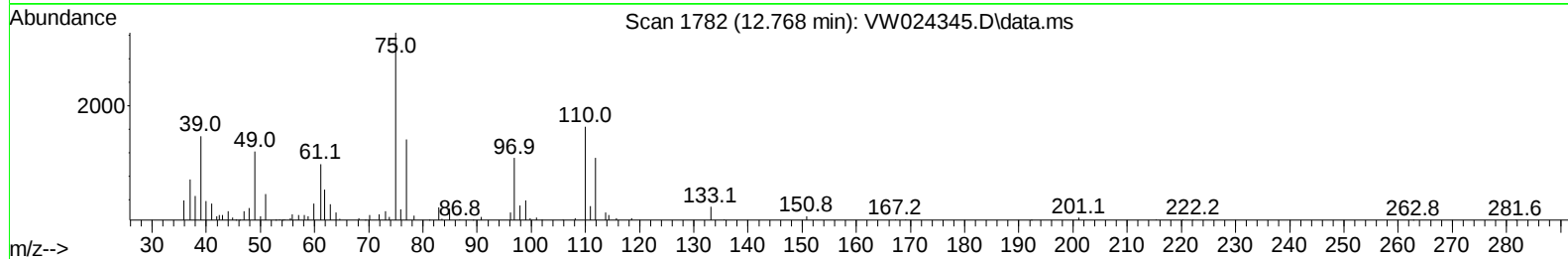
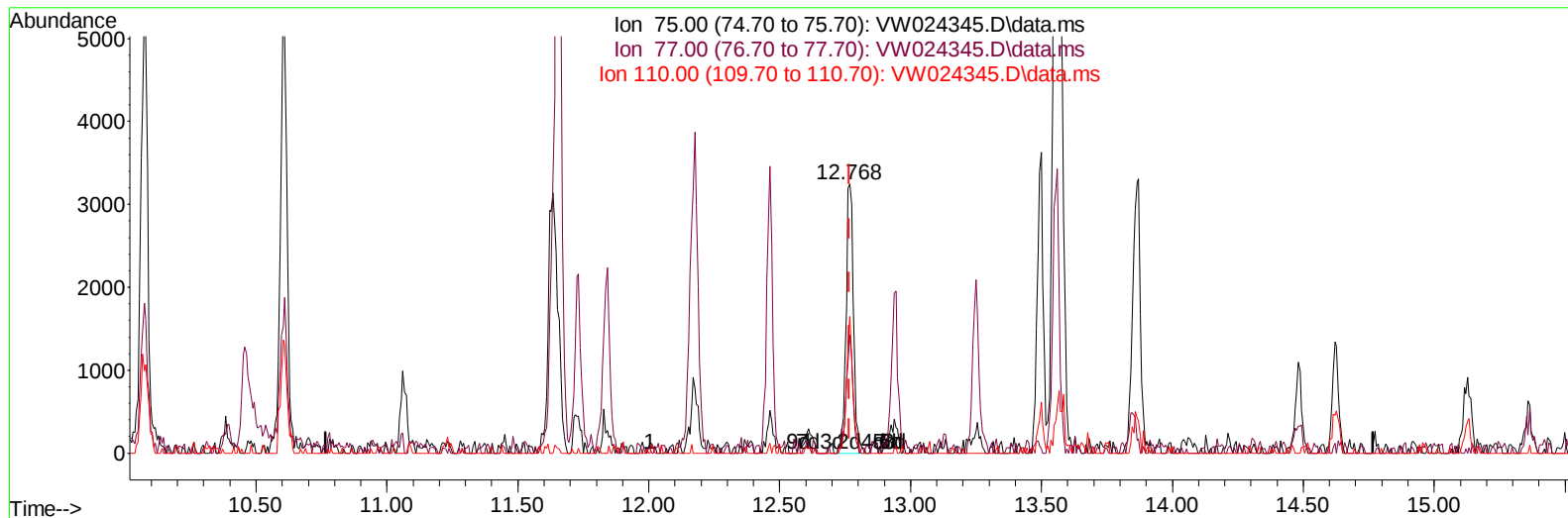
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
Data File : VW024345.D
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Instrument :
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Quant Title : SFAM01.0
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Response via : Initial Calibration



TIC: VW024345.D\data.ms

(61) 1,2,3-Trichloropropane

12.768min (+ 0.000) 2.67 ug/L m

response 6246

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	33.10	0.72#
110.00	42.30	0.96#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
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 Acq On : 26 Aug 2022 11:15
 Operator : SY/VA
 Sample : VSTD2.519
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 VSTD2.5419

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	206137	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	207099	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	103157	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	15651	2.754	ug/L	0.00
7) Chloroethane-d5	2.879	69	11644	2.768	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.001	63	13650m	2.833	ug/L	0.00
21) 2-Butanone-d5	7.080	46	5298m	5.247	ug/L	0.00
24) Chloroform-d	7.647	84	17511	2.642	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	10013	2.491	ug/L	0.00
32) Benzene-d6	8.268	84	28868	2.433	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	9270	2.512	ug/L	0.00
41) Toluene-d8	10.323	98	24792	2.198	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	3831	2.211	ug/L	0.00
47) 2-Hexanone-d5	10.920	63	2638	3.207	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.695	84	9575	2.292	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.847	152	9379	2.414	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	4826m	2.279	ug/L	
3) Chloromethane	2.215	50	10619	2.749	ug/L	93
5) Vinyl chloride	2.355	62	18356	2.722	ug/L	94
6) Bromomethane	2.769	94	14915	3.151	ug/L	98
8) Chloroethane	2.910	64	10249	2.876	ug/L	91
9) Trichlorofluoromethane	3.245	101	9384	2.960	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	8903m	2.938	ug/L	
12) 1,1-Dichloroethene	4.031	96	6665	2.707	ug/L	86
13) Acetone	4.129	43	4096	6.477	ug/L	69
14) Carbon disulfide	4.373	76	21789	2.663	ug/L	100
15) Methyl Acetate	4.678	43	4512m	2.962	ug/L	
16) Methylene chloride	4.909	84	12860	3.771	ug/L	91
17) trans-1,2-Dichloroethene	5.421	96	7328	2.514	ug/L	83
18) Methyl tert-butyl Ether	5.421	73	11030	2.311	ug/L #	85
19) 1,1-Dichloroethane	6.214	63	15792	2.865	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	8204m	2.560	ug/L	
22) 2-Butanone	7.183	43	5908m	5.308	ug/L	
23) Bromochloromethane	7.513	128	4222	2.698	ug/L	86
25) Chloroform	7.671	83	16553	2.707	ug/L	94
27) 1,2-Dichloroethane	8.403	62	11708	2.631	ug/L	97
29) Cyclohexane	7.958	56	9713	2.175	ug/L #	96
30) 1,1,1-Trichloroethane	7.860	97	13549	2.775	ug/L #	84
31) Carbon tetrachloride	8.067	117	12347	2.764	ug/L	99
33) Benzene	8.323	78	31187	2.419	ug/L	100
34) Trichloroethene	9.091	95	9830	2.893	ug/L	93
35) Methylcyclohexane	9.335	83	12354	2.265	ug/L	94
37) 1,2-Dichloropropane	9.366	63	9282m	2.804	ug/L	
38) Bromodichloromethane	9.640	83	11972	2.642	ug/L #	89
39) cis-1,3-Dichloropropene	10.073	75	9541	2.051	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	10231m	4.368	ug/L	
42) Toluene	10.384	91	31818	2.236	ug/L	98

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 Quant Title : SFAM01.0
 QLast Update : Fri Aug 26 23:53:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.603	75	9626	2.130	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	6700	2.469	ug/L	97
46) Tetrachloroethene	10.866	164	6542	2.479	ug/L	94
48) 2-Hexanone	10.969	43	7502	4.299	ug/L	89
49) Dibromochloromethane	11.122	129	7590	2.365	ug/L	99
50) 1,2-Dibromoethane	11.231	107	6115	2.344	ug/L #	92
51) Chlorobenzene	11.652	112	23373	2.447	ug/L	97
52) Ethylbenzene	11.725	91	34171	2.172	ug/L	96
53) m,p-Xylene	11.835	106	12740	2.062	ug/L	91
54) o-Xylene	12.164	106	11225	1.943	ug/L	93
55) Styrene	12.176	104	18328	1.795	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	9509	2.511	ug/L #	92
59) Bromoform	12.347	173	4133	2.497	ug/L	98
60) Isopropylbenzene	12.463	105	29269	2.136	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	6246m	2.668	ug/L	
62) 1,3,5-Trimethylbenzene	12.938	105	21505	1.947	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	19617	1.828	ug/L	95
64) 1,3-Dichlorobenzene	13.499	146	16090	2.456	ug/L	97
65) 1,4-Dichlorobenzene	13.579	146	18815	2.720	ug/L	93
67) 1,2-Dichlorobenzene	13.865	146	15451	2.516	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.481	75	1899	3.240	ug/L #	73
69) 1,3,5-Trichlorobenzene	14.627	180	11061	2.616	ug/L	92
70) 1,2,4-trichlorobenzene	15.127	180	7781	2.367	ug/L	95
71) Naphthalene	15.359	128	13243	1.835	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.548	180	7369	2.372	ug/L	95

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

