

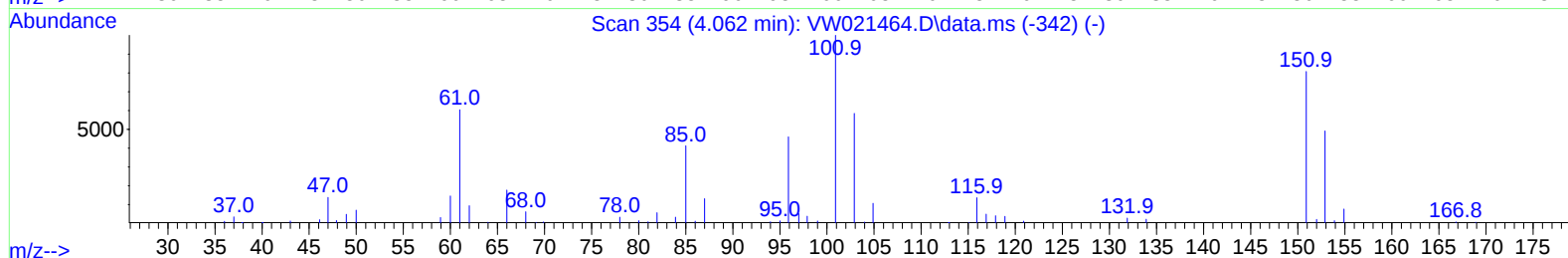
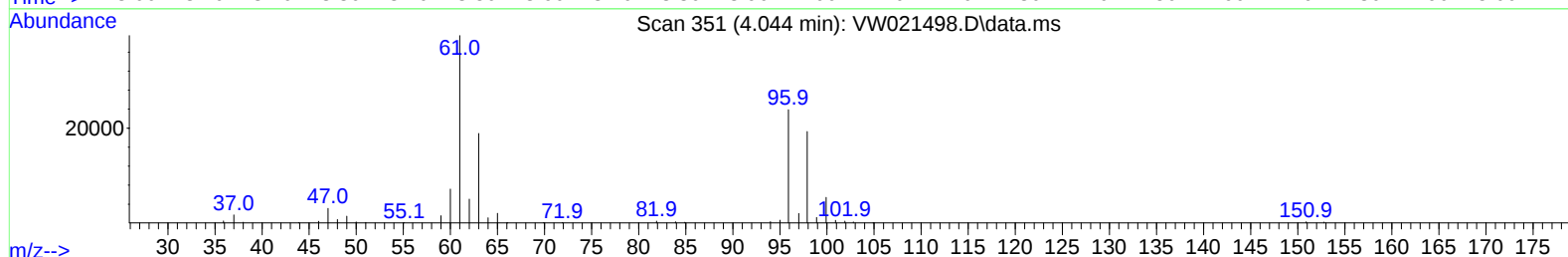
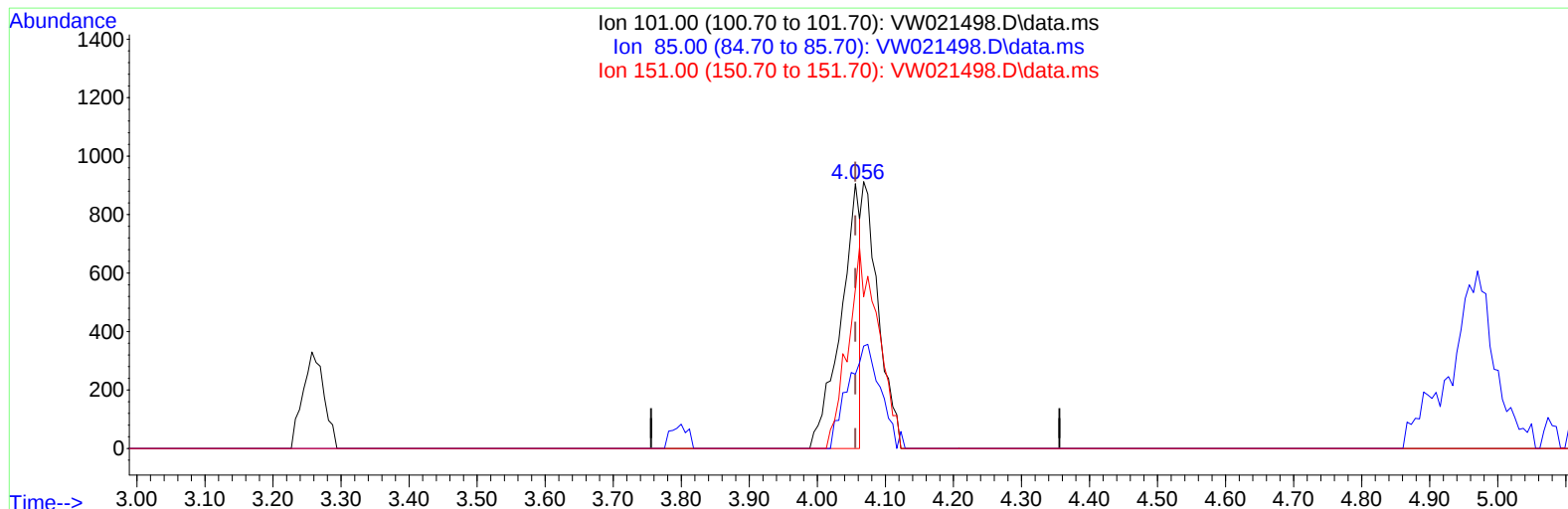
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration



TIC: VW021498.D\data.ms

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

4.056min (-0.000) 1.62 ug/L

response 1795

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	45.70	64.79#
151.00	71.70	63.62
0.00	0.00	0.00

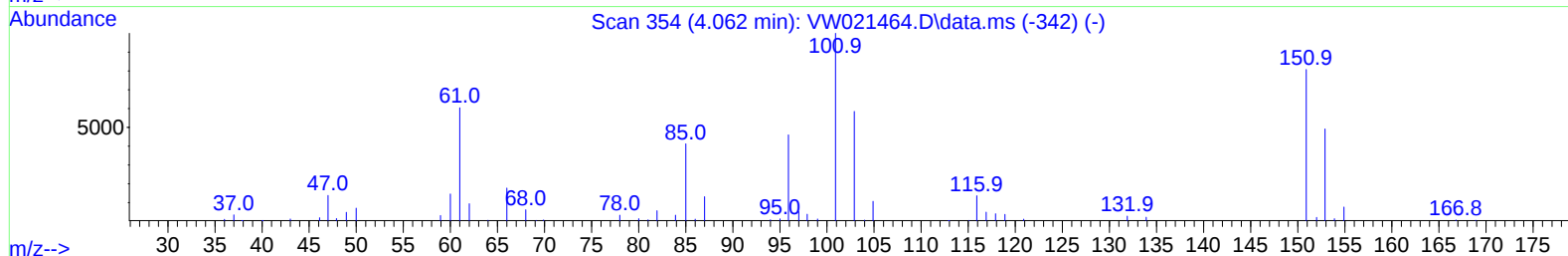
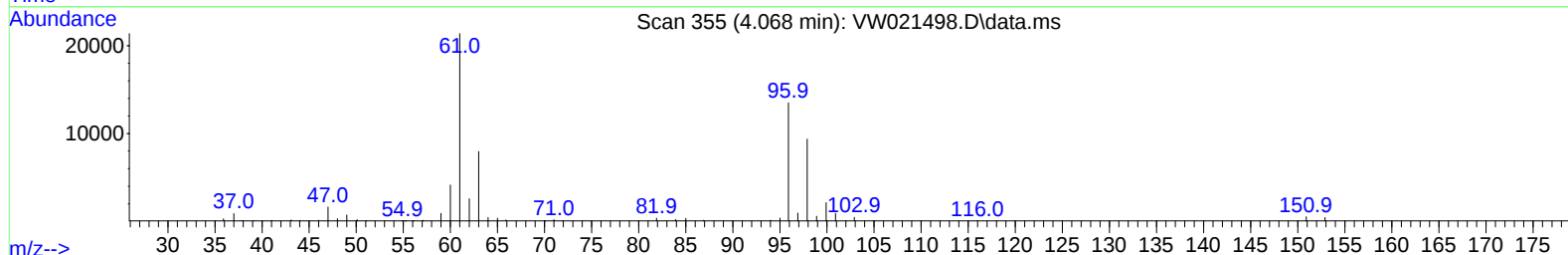
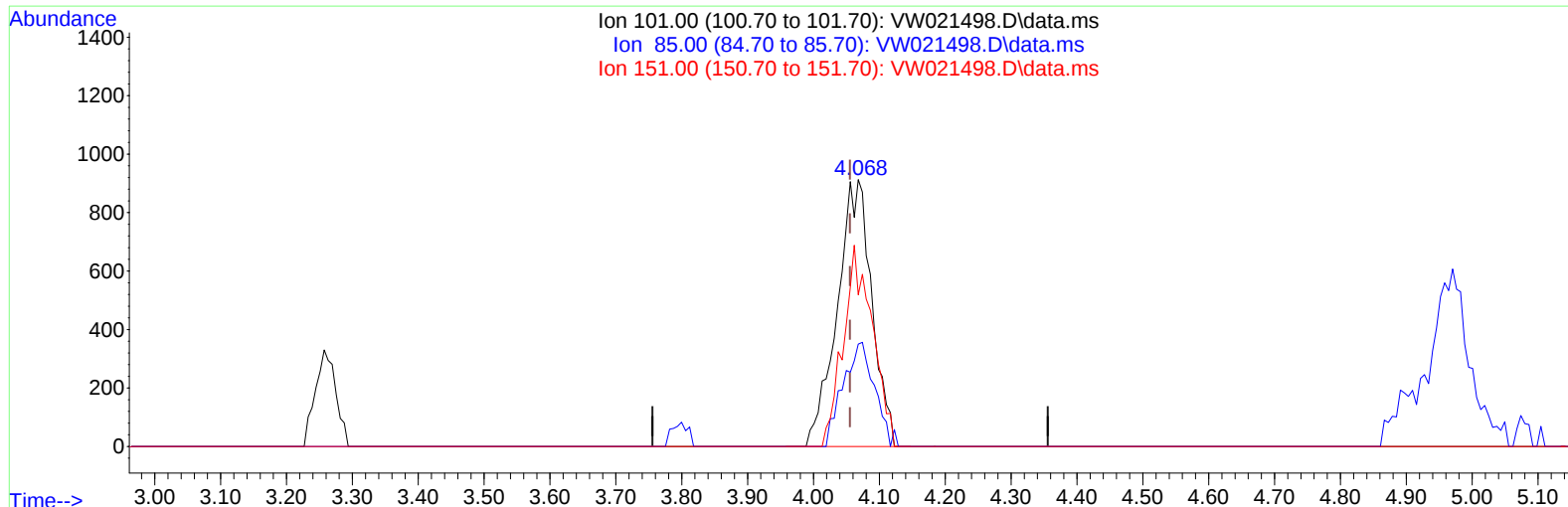
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration



TIC: VW021498.D\data.ms

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

4.068min (+ 0.012) 2.99 ug/L m

response 3327

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	45.70	34.96#
151.00	71.70	34.33#
0.00	0.00	0.00

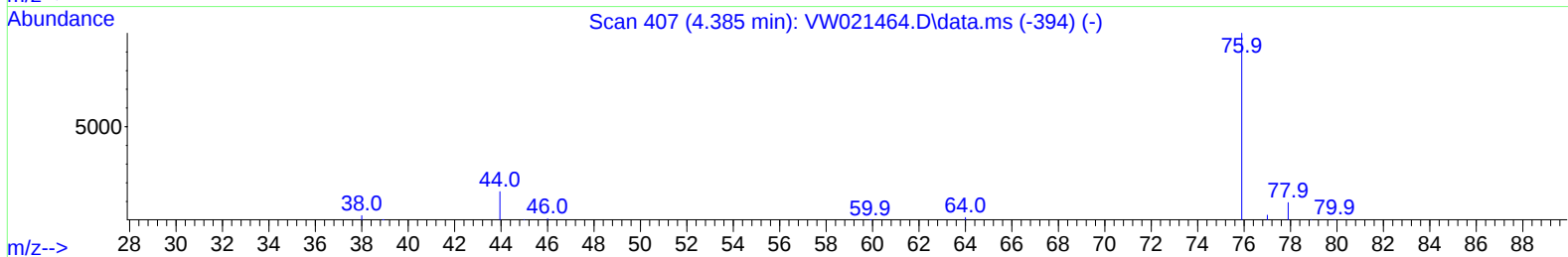
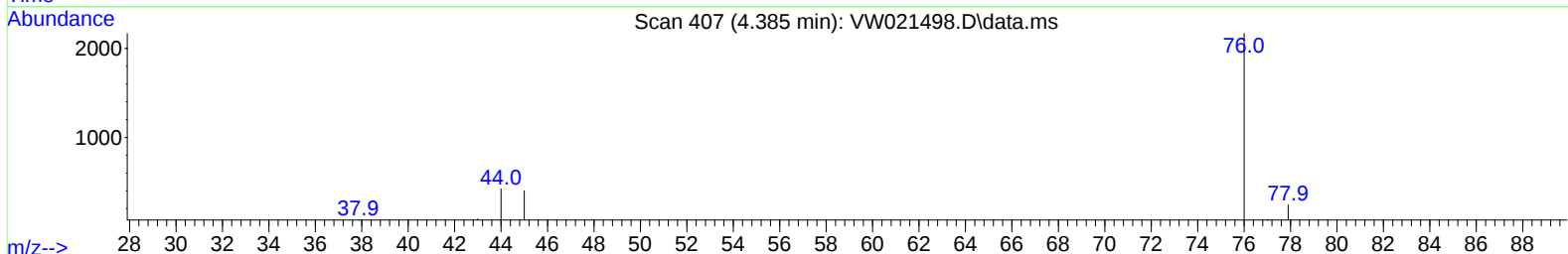
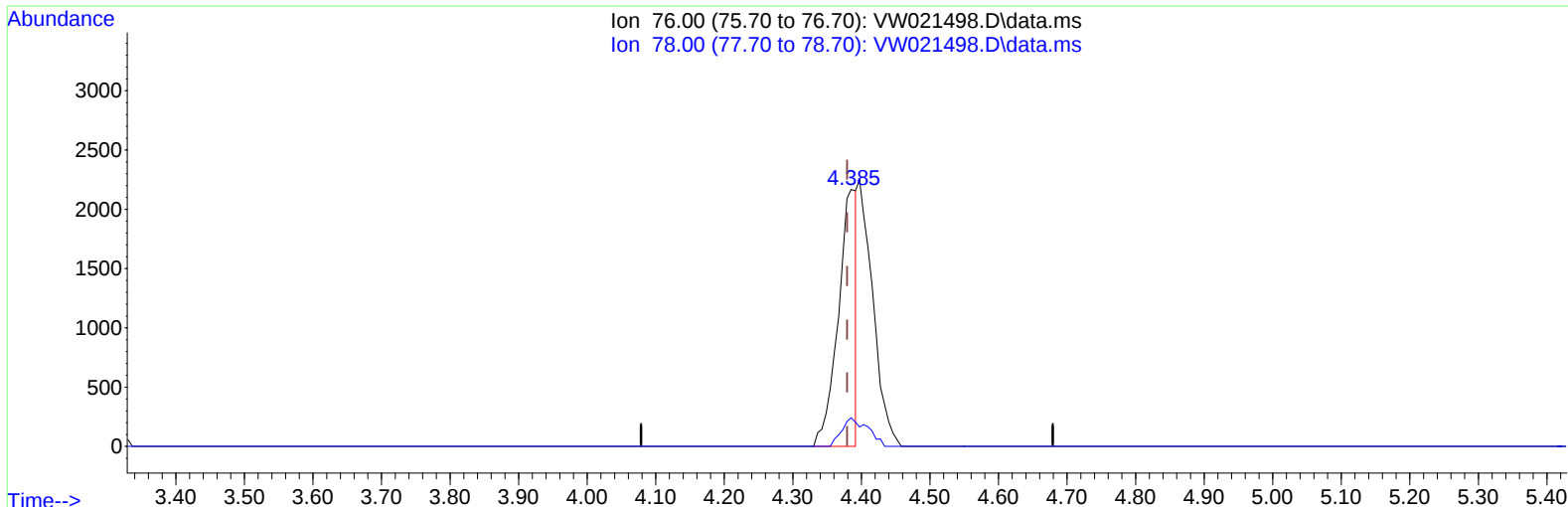
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration



TIC: VW021498.D\data.ms

(14) Carbon disulfide (T)

4.385min (+ 0.006) 1.55 ug/L

response 4005

Ion	Exp%	Act%
76.00	100.00	100.00
78.00	8.90	11.17#
0.00	0.00	0.00
0.00	0.00	0.00

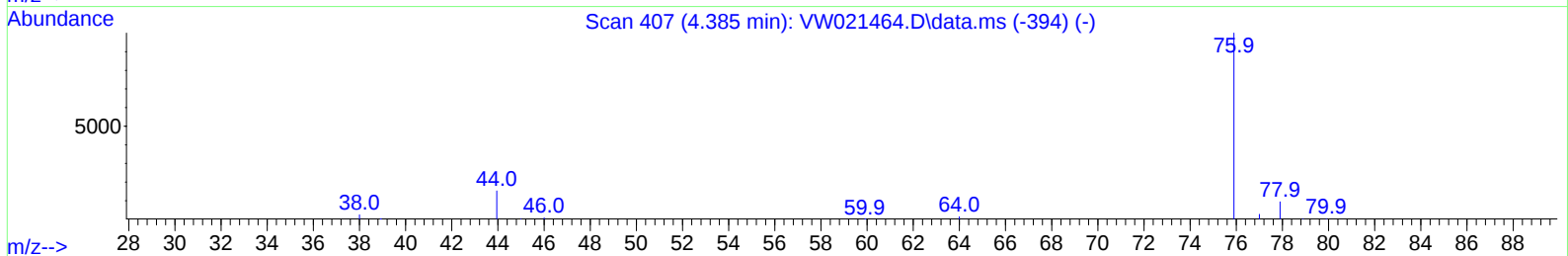
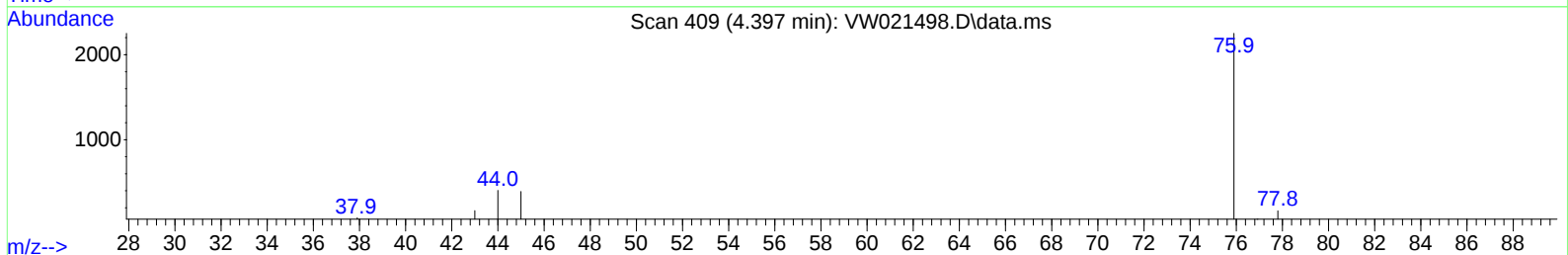
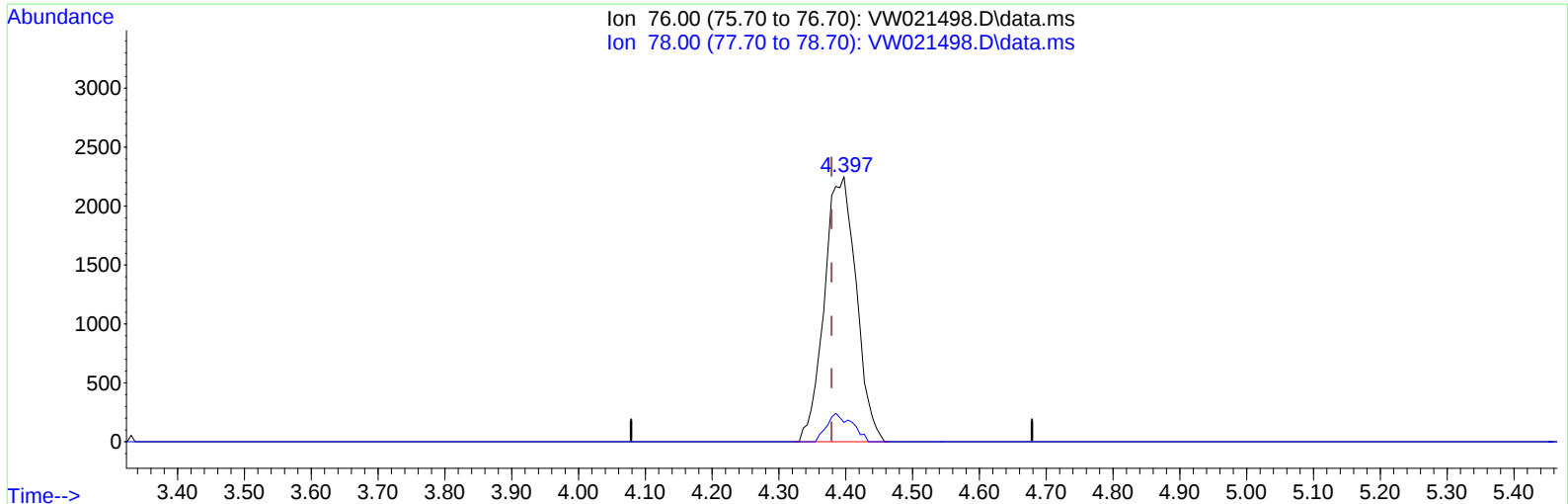
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration



TIC: VW021498.D\data.ms

(14) Carbon disulfide (T)

4.397min (+ 0.018) 2.89 ug/L m

response 7447

Ion	Exp%	Act%
76.00	100.00	100.00
78.00	8.90	7.29
0.00	0.00	0.00
0.00	0.00	0.00

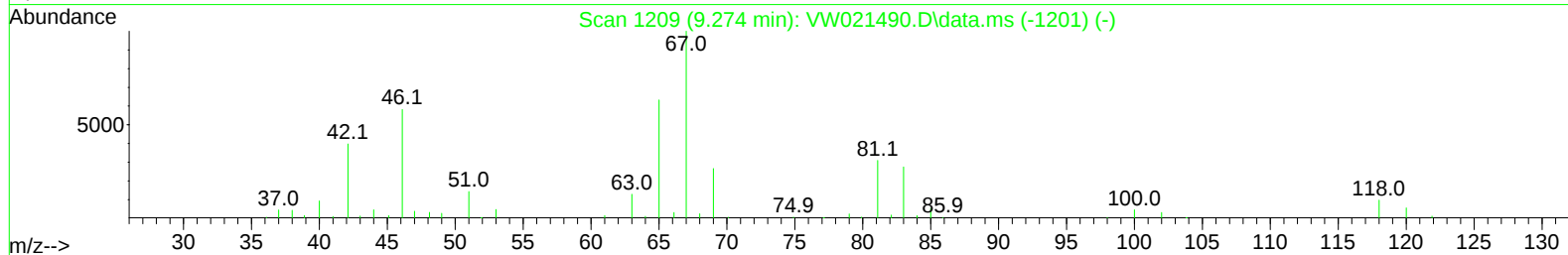
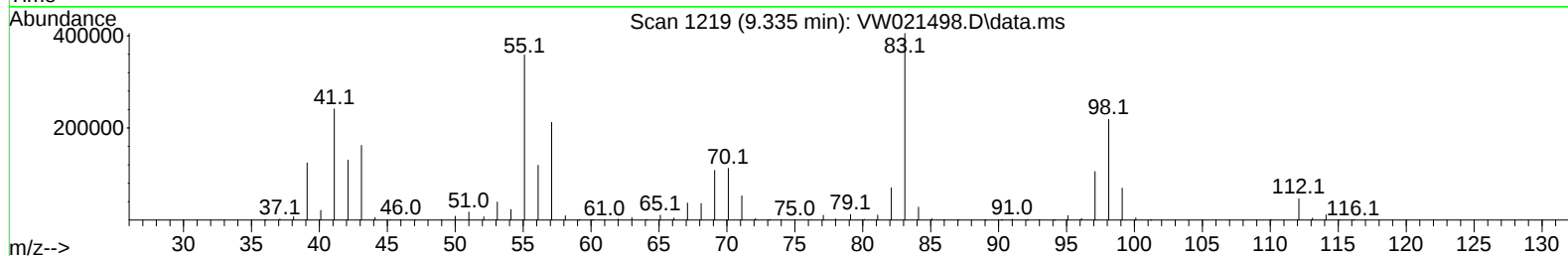
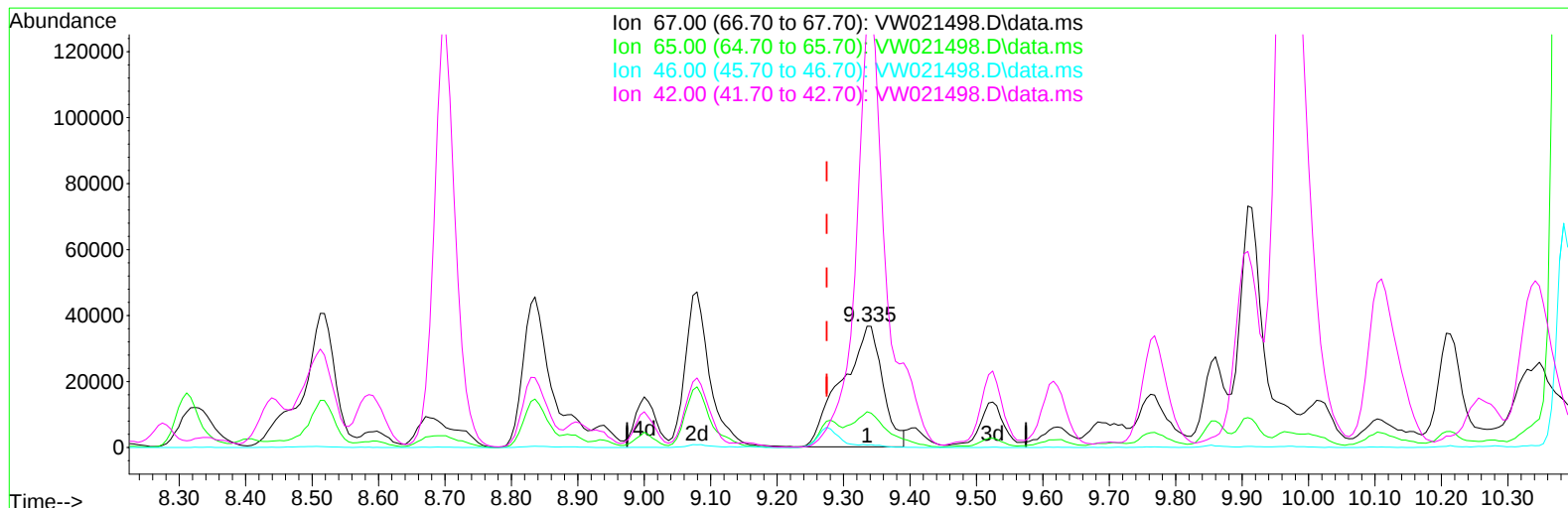
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

Quant Time: Jan 07 03:05:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 28 00:40:13 2021
Response via : Initial Calibration



TIC: VW021498.D\data.ms

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

9.335min (+ 0.061) 227.02 ug/L

response 155881

Ion	Exp%	Act%
67.00	100.00	100.00
65.00	65.00	22.19#
46.00	61.60	0.03#
42.00	38.80	242.54#

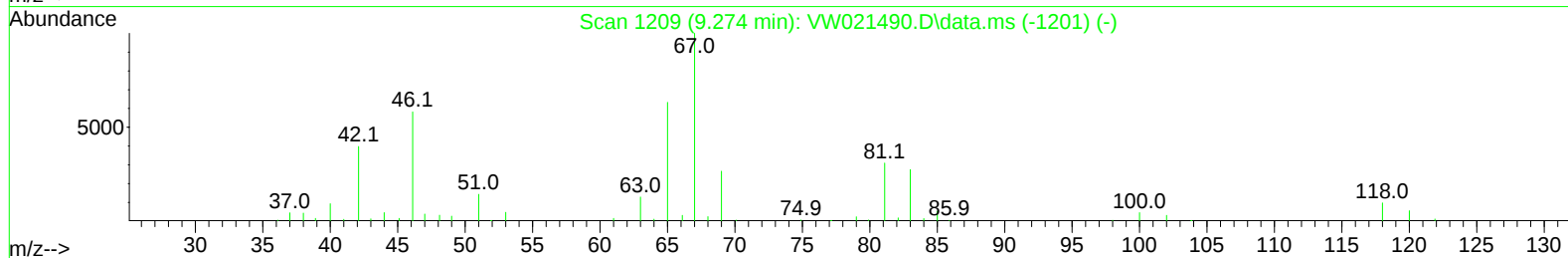
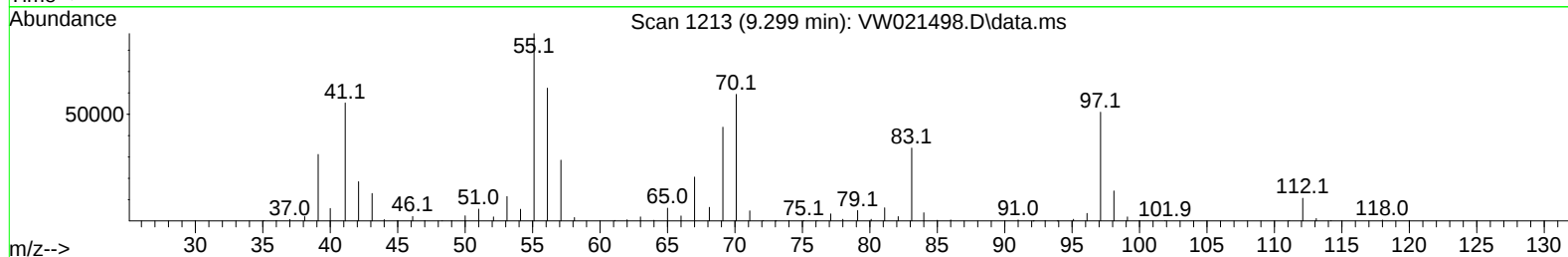
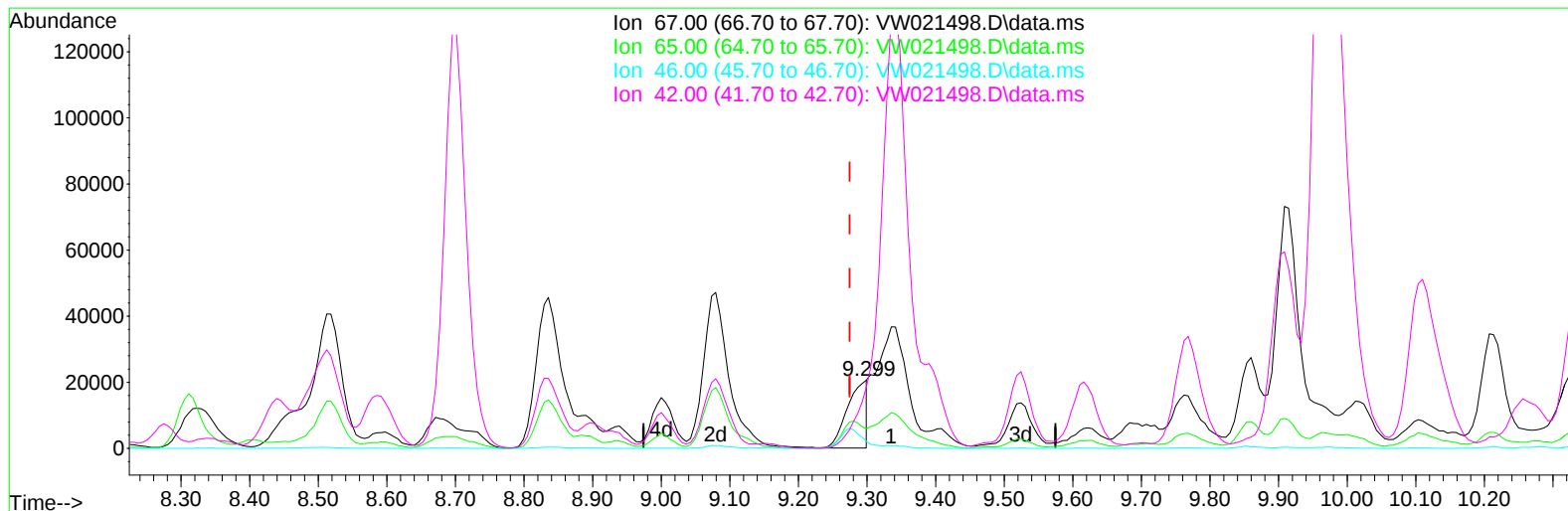
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



TIC: VW021498.D\data.ms

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

9.299min (+ 0.024) 60.09 ug/L m

response 41260

Ion	Exp%	Act%
67.00	100.00	100.00
65.00	65.00	83.83
46.00	61.60	0.13#
42.00	38.80	916.32#

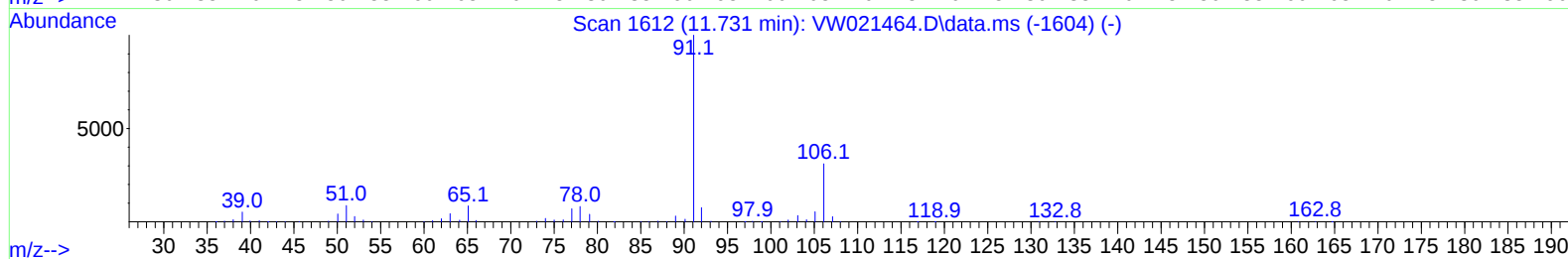
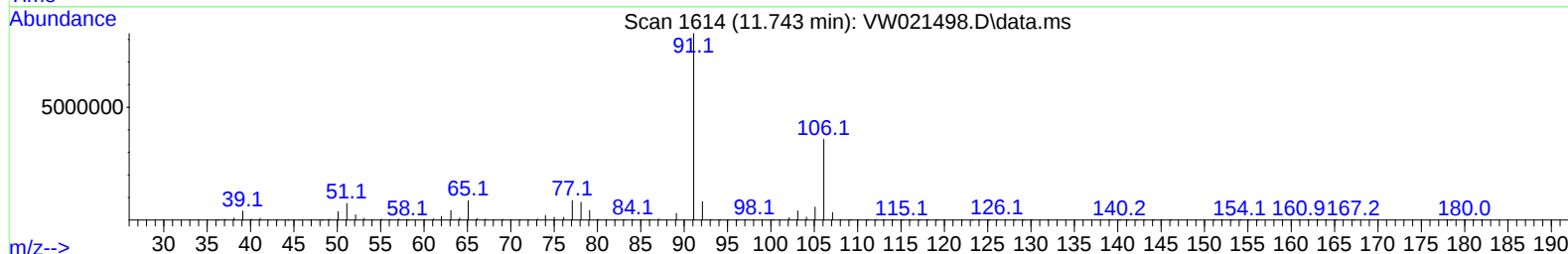
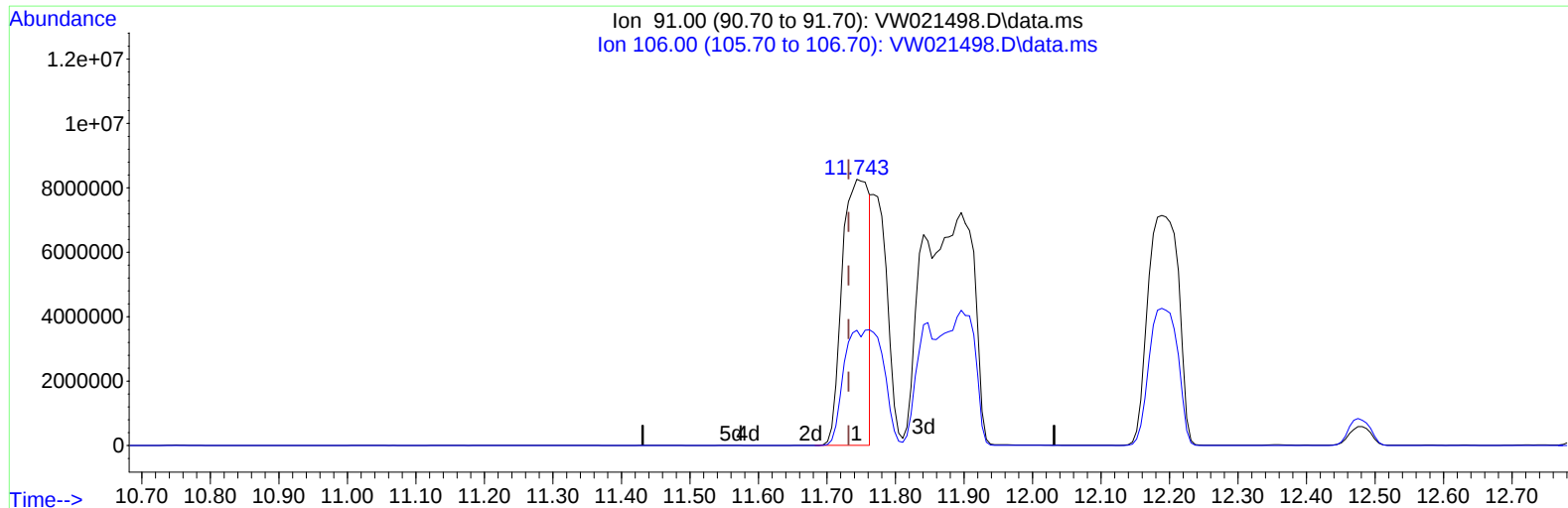
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021



TIC: VW021498.D\data.ms

(52) Ethylbenzene (T)

11.743min (+ 0.012) 6611.36 ug/L

response 22483754

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.70	43.26#
0.00	0.00	0.00
0.00	0.00	0.00

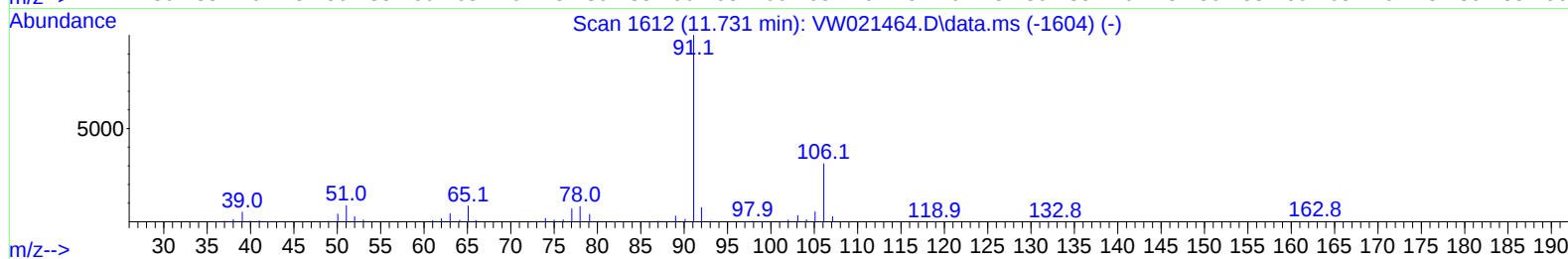
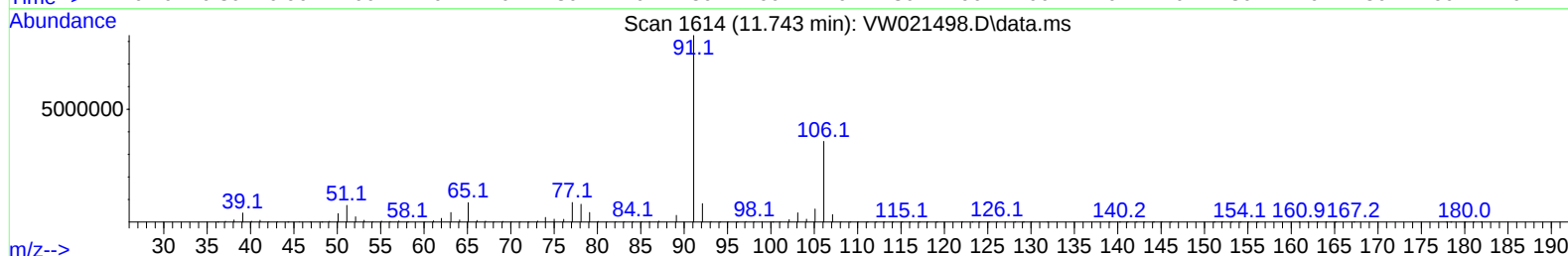
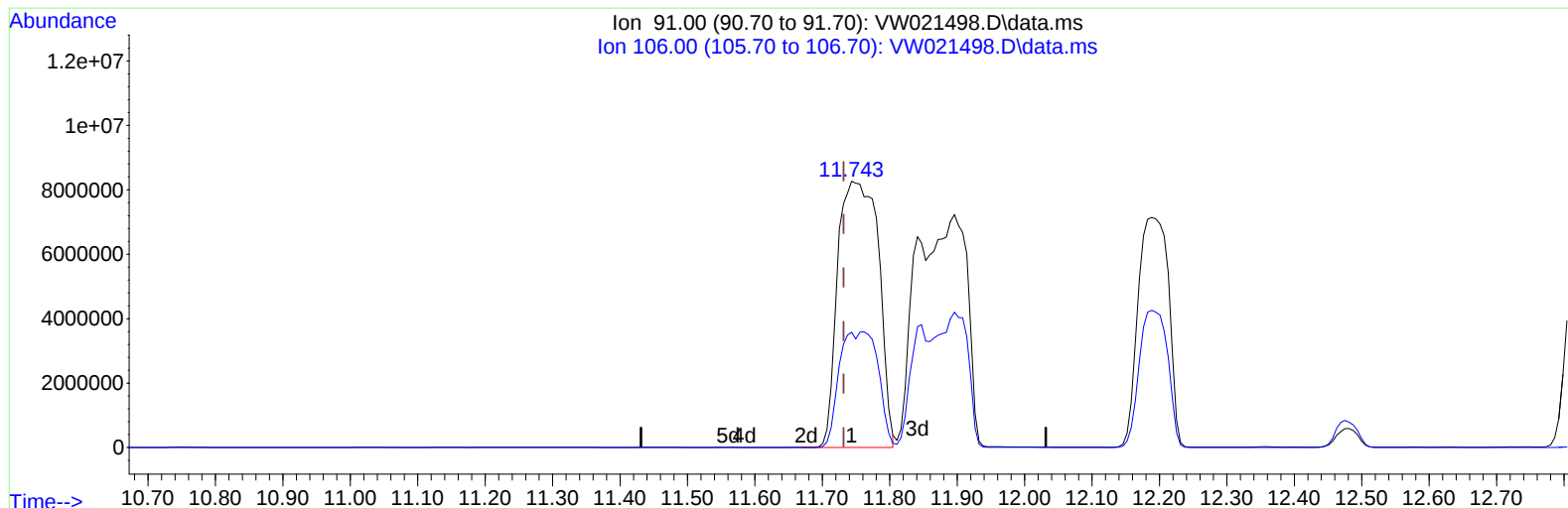
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021498.D
Acq On : 20 Dec 2021 15:13
Operator : SY/VA
Sample : M5171-09
Misc : 5.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 18:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration



TIC: VW021498.D\data.ms

(52) Ethylbenzene (T)

11.743min (+ 0.012) 10151.97 ug/L m

response 34524569

Ion	Exp%	Act%
91.00	100.00	100.00
106.00	30.70	43.26#
0.00	0.00	0.00
0.00	0.00	0.00

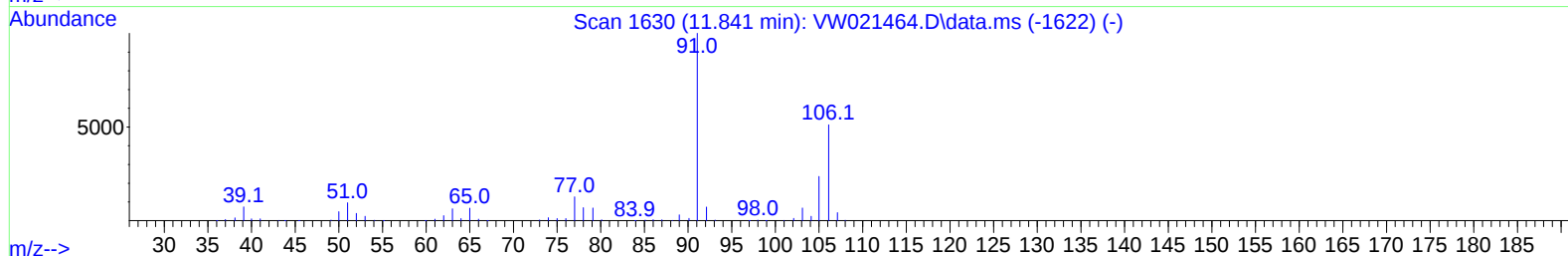
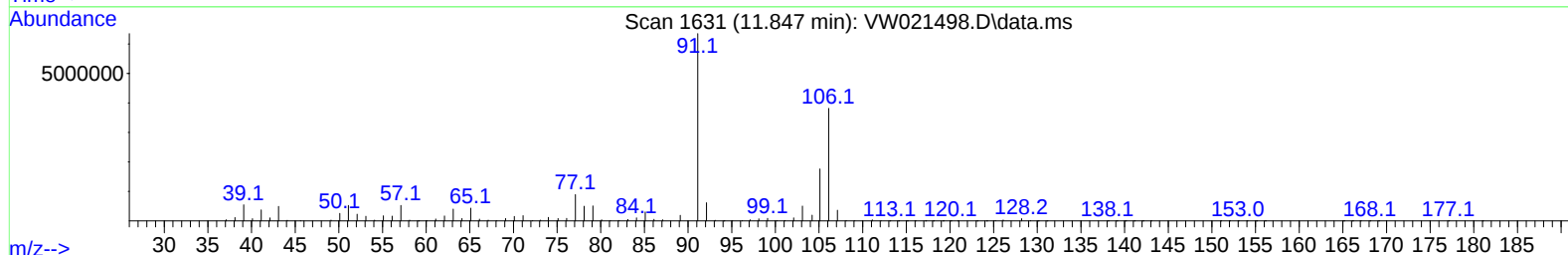
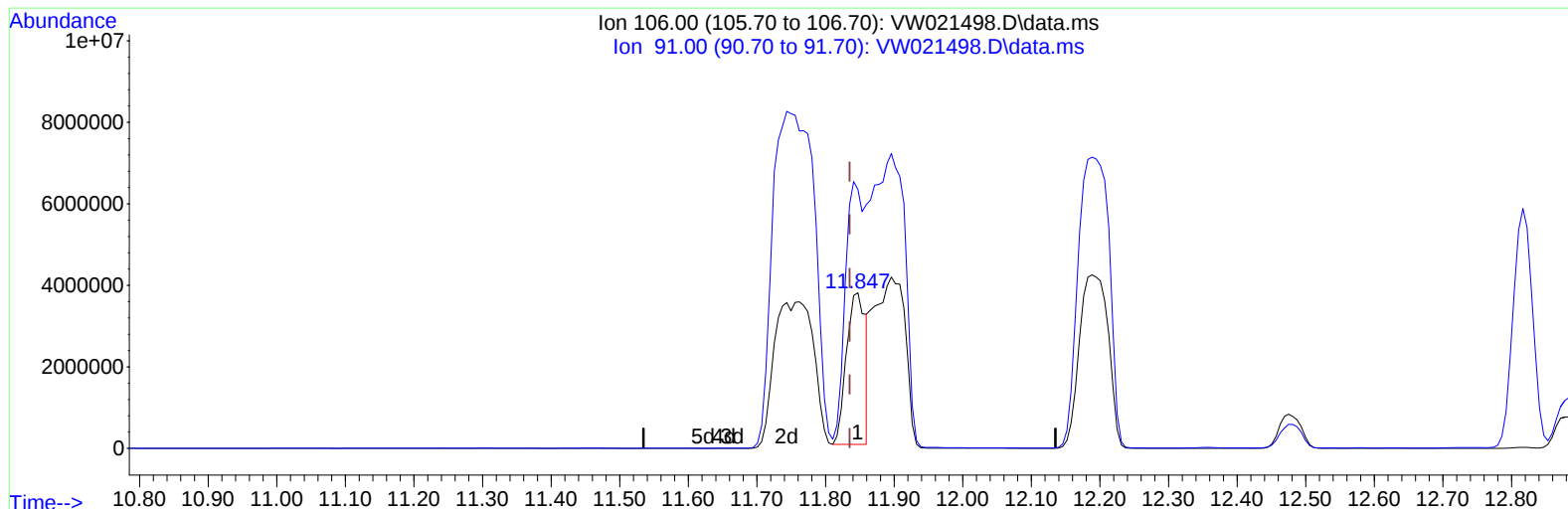
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual IntegrationsAPPROVED

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 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration



TIC: VW021498.D\data.ms

(53) m,p-Xylene (T)

11.847min (+ 0.012) 5268.80 ug/L

response 7228297

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	214.10	166.35
0.00	0.00	0.00
0.00	0.00	0.00

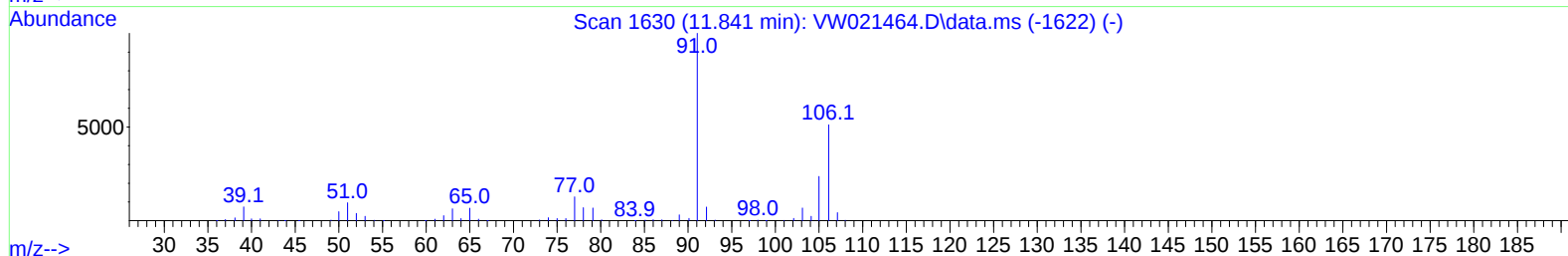
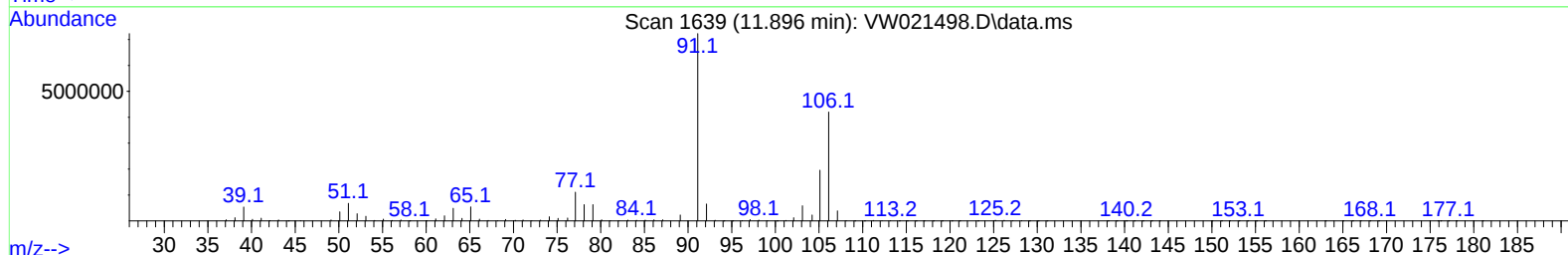
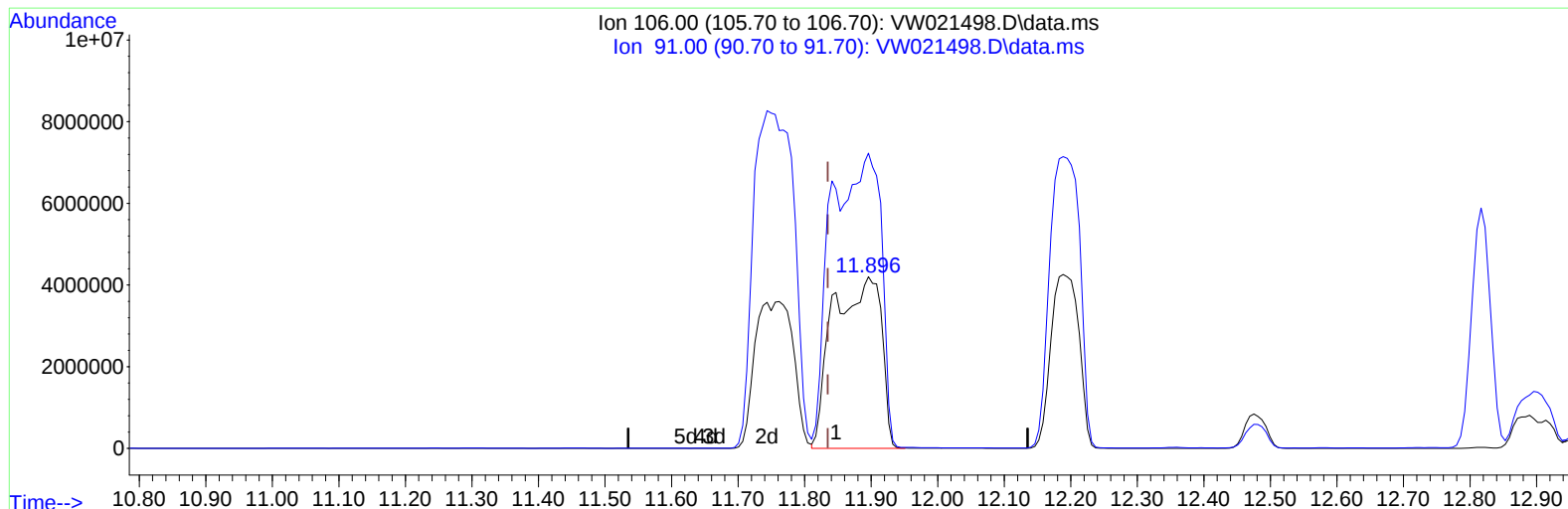
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual IntegrationsAPPROVED

Quant Time: Dec 20 18:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
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 Supervised By :Amit Patel 12/24/2021



TIC: VW021498.D\data.ms

(53) m,p-Xylene (T)

11.896min (+ 0.061) 15232.77 ug/L m

response 20897937

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	214.10	172.06
0.00	0.00	0.00
0.00	0.00	0.00

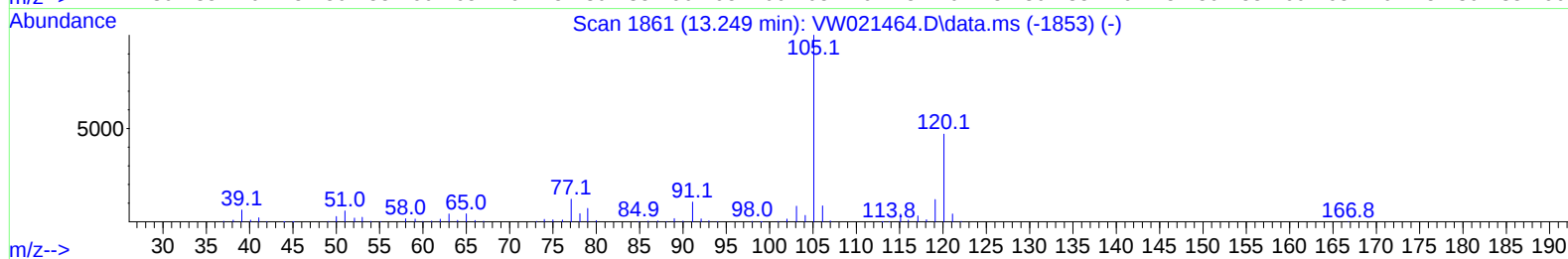
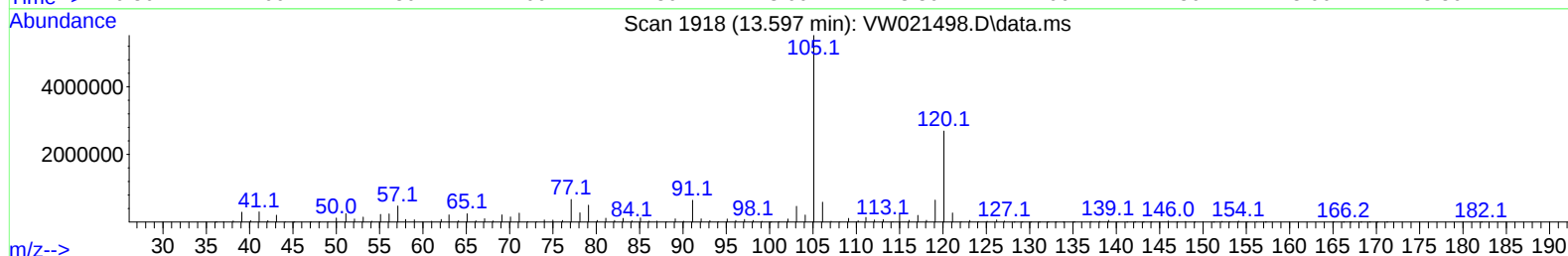
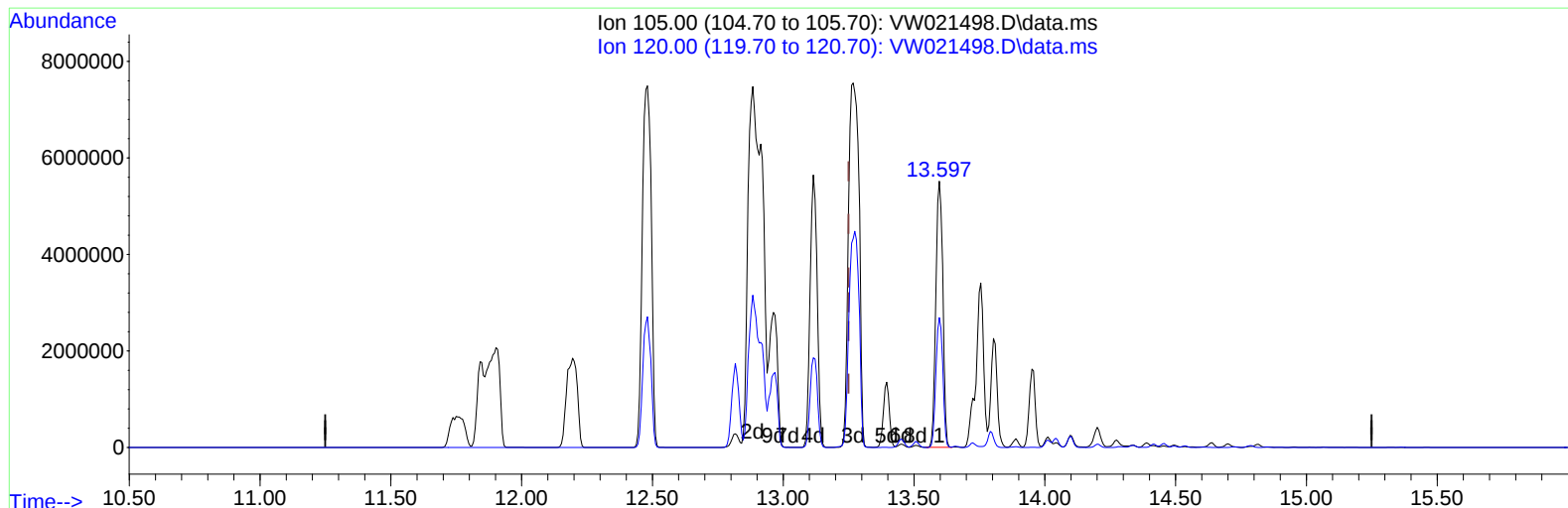
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual IntegrationsAPPROVED

Quant Time: Dec 20 18:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
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Reviewed By :Semsettin Yesilyurt 12/20/2021
 Supervised By :Amit Patel 12/24/2021



TIC: VW021498.D\data.ms

(63) 1,2,4-Trimethylbenzene

13.597min (+ 0.347) 591.91 ug/L

response 10216839

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	43.80	48.26
0.00	0.00	0.00
0.00	0.00	0.00

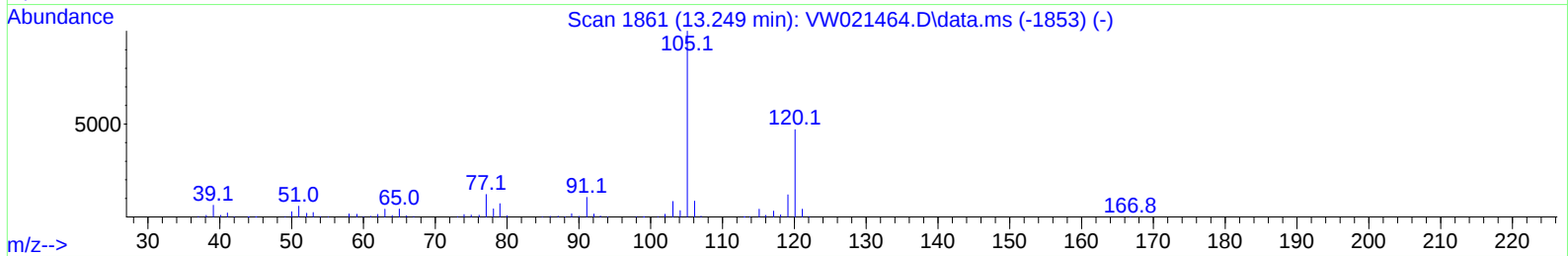
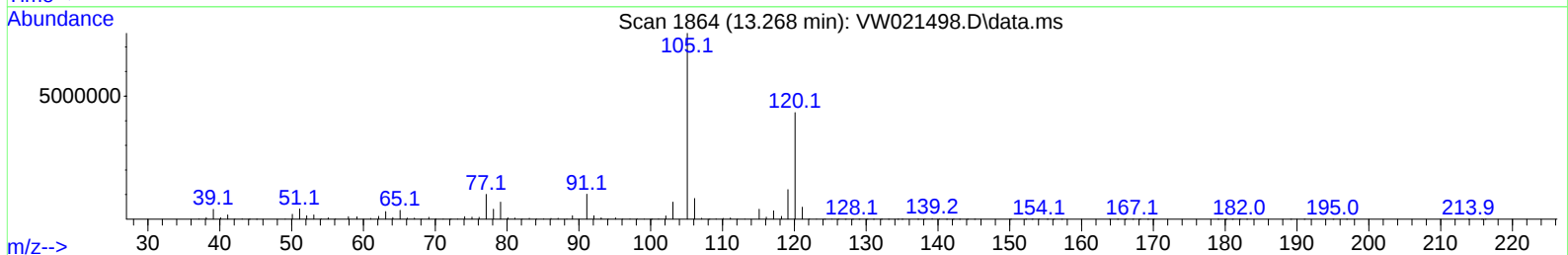
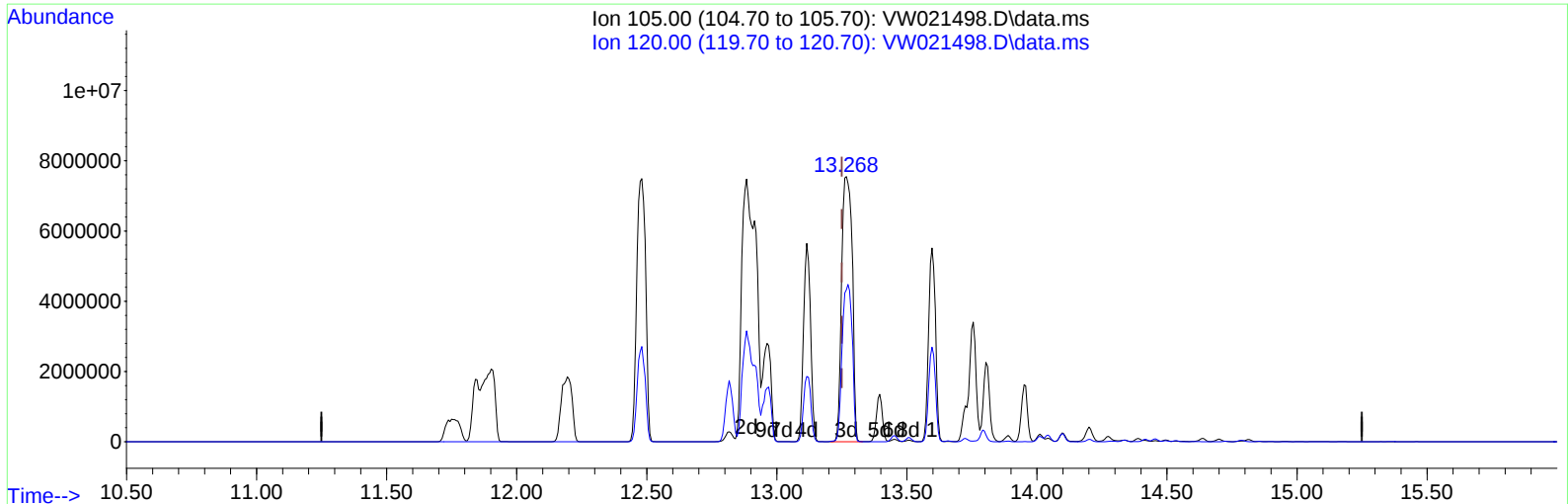
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual IntegrationsAPPROVED

Quant Time: Dec 20 18:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 12/20/2021
 Supervised By :Amit Patel 12/24/2021



TIC: VW021498.D\data.ms

(63) 1,2,4-Trimethylbenzene

13.268min (+ 0.018) 1229.71 ug/L m

response 21225904

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	43.80	23.23#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual IntegrationsAPPROVED

Quant Time: Dec 20 18:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 12/20/2021
 Supervised By :Amit Patel 12/24/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	80488	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.640	117	46710	25.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	13.548	152	151328	25.000	ug/L	#-0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	41835	28.539	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.160%	
7) Chloroethane-d5	2.885	69	26158	26.993	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 107.960%	
11) 1,1-Dichloroethene-d2	4.038	63	71656	36.666	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	= 146.680%#	
21) 2-Butanone-d5	7.086	46	25457	123.199	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 246.400%#	
24) Chloroform-d	7.641	84	120021	53.509	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 214.040%#	
26) 1,2-Dichloroethane-d4	8.311	65	41857	35.082	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 140.320%#	
32) Benzene-d6	8.281	84	87206	34.060	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 136.240%#	
36) 1,2-Dichloropropane-d6	9.299	67	41260m	60.089	ug/L	0.02
Spiked Amount	25.000	Range	70 - 120	Recovery	= 240.360%#	
41) Toluene-d8	10.335	98	173280	66.238	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	= 264.960%#	
43) trans-1,3-Dichloroprop...	10.585	79	6643	21.011	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	= 84.040%	
47) 2-Hexanone-d5	10.933	63	20476	201.660	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 403.320%#	
56) 1,1,2,2-Tetrachloroeth...	12.676	84	275393	466.551	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	= 1866.200%#	
66) 1,2-Dichlorobenzene-d4	13.865	152	45309	7.726	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	= 30.920%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	8042	4.976	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	3327m	2.993	ug/L	
12) 1,1-Dichloroethene	4.050	96	73643	73.814	ug/L #	65
13) Acetone	4.123	43	23424	126.452	ug/L	98
14) Carbon disulfide	4.397	76	7447m	2.890	ug/L	
17) trans-1,2-Dichloroethene	5.428	96	51593	47.761	ug/L	86
19) 1,1-Dichloroethane	6.220	63	101206	59.704	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	9462197	8304.623	ug/L #	59
27) 1,2-Dichloroethane	8.403	62	139437	111.896	ug/L #	89
29) Cyclohexane	7.933	56	321961	346.299	ug/L #	59
30) 1,1,1-Trichloroethane	7.878	97	694748	662.903	ug/L #	93
33) Benzene	8.329	78	4115213	1617.271	ug/L	100
34) Trichloroethene	9.098	95	54193	75.870	ug/L #	49
35) Methylcyclohexane	9.341	83	1099467	933.119	ug/L	86
42) Toluene	10.408	91	28979473	9737.847	ug/L	85
46) Tetrachloroethene	10.866	164	45283	66.735	ug/L	93
51) Chlorobenzene	11.664	112	4634581	2326.114	ug/L	92
52) Ethylbenzene	11.743	91	34524569m	10151.966	ug/L	
53) m,p-Xylene	11.896	106	20897937m	15232.774	ug/L	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021498.D
 Acq On : 20 Dec 2021 15:13
 Operator : SY/VA
 Sample : M5171-09
 Misc : 5.33g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLA5

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
 Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 18:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.189	106	12450286	9562.463	ug/L	68
60) Isopropylbenzene	12.481	105	17865516	868.840	ug/L #	89
62) 1,3,5-Trimethylbenzene	12.963	105	5939937	339.471	ug/L	88
63) 1,2,4-Trimethylbenzene	13.268	105	21225904m	1229.712	ug/L	
67) 1,2-Dichlorobenzene	13.871	146	1581438	185.206	ug/L	90
70) 1,2,4-trichlorobenzene	15.133	180	54452	9.339	ug/L #	79
72) 1,2,3-Trichlorobenzene	15.554	180	6408	1.330	ug/L #	74

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

