

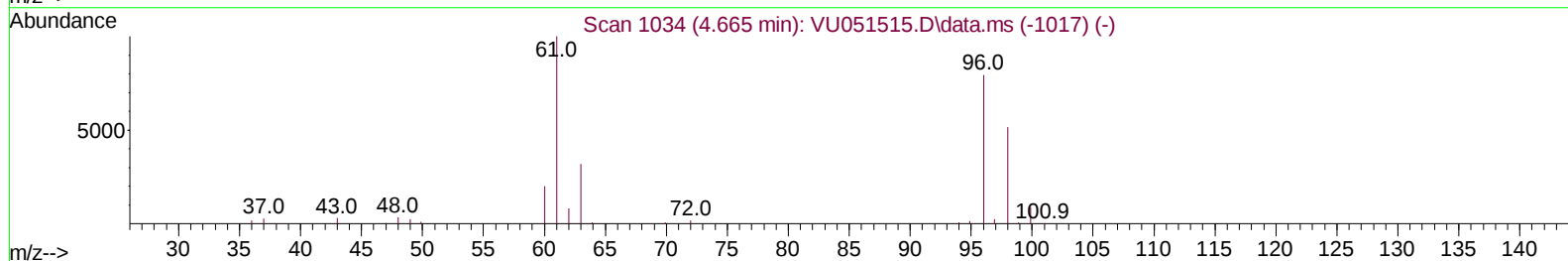
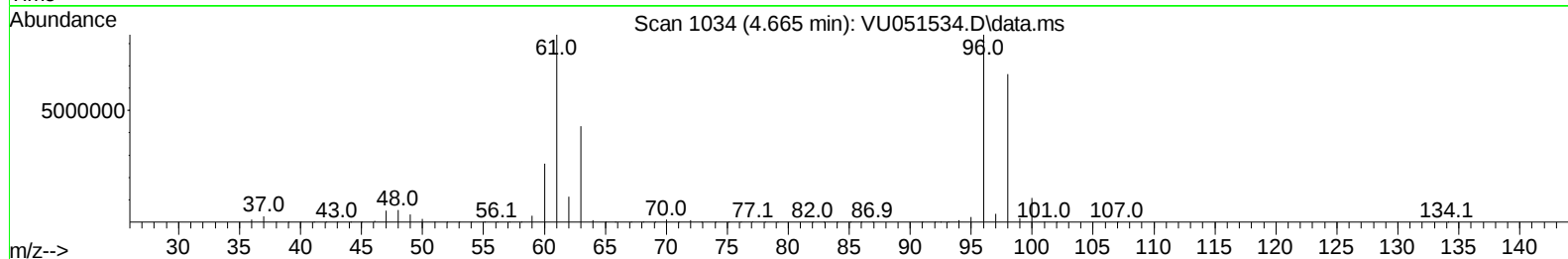
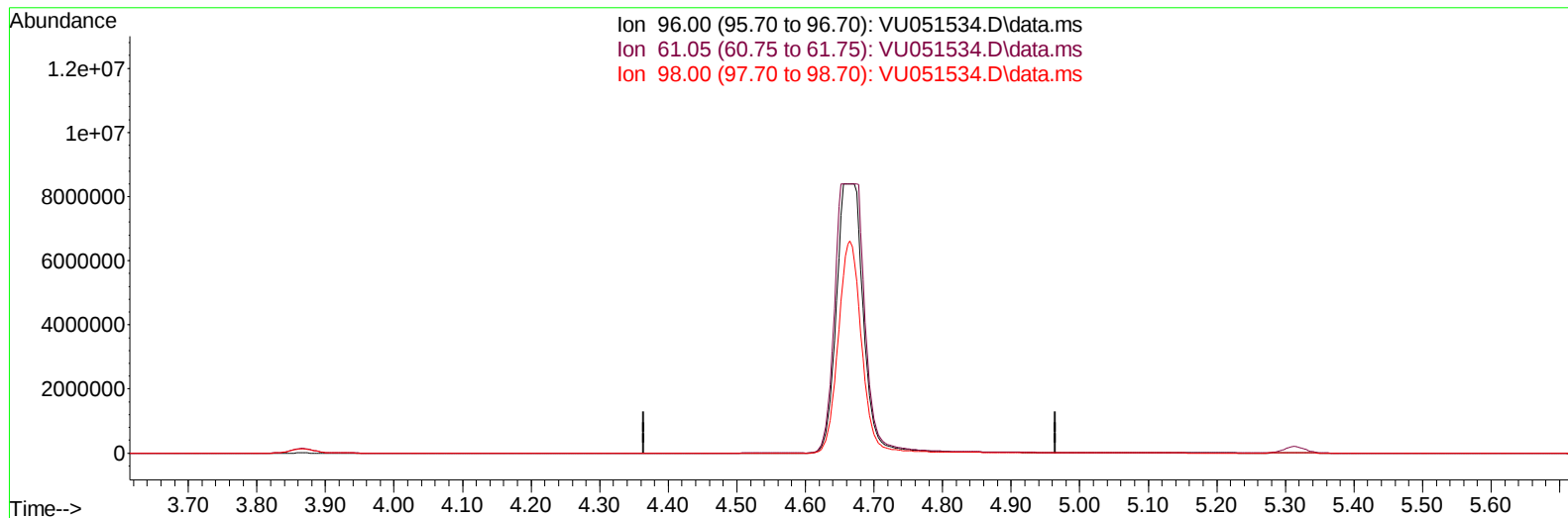
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

Quant Time: Oct 27 08:28:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022



TIC: VU051534.D\data.ms

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

4.665min (-4.665) 0.00 ug/L

response 0

Ion	Exp%	Act%
96.00	100.00	0.00
61.05	129.40	0.00#
98.00	67.90	0.00#
0.00	0.00	0.00

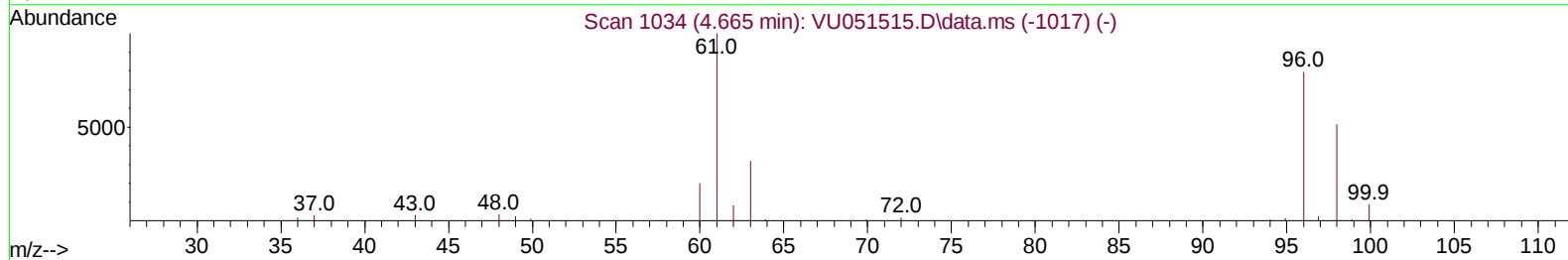
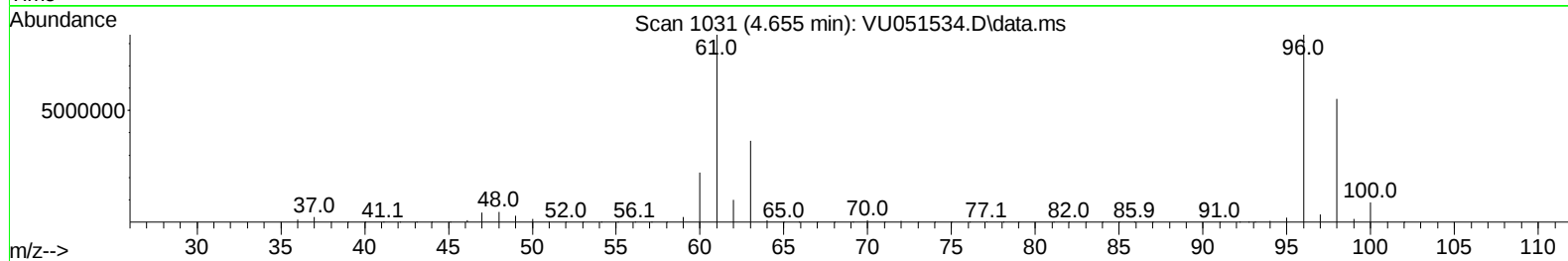
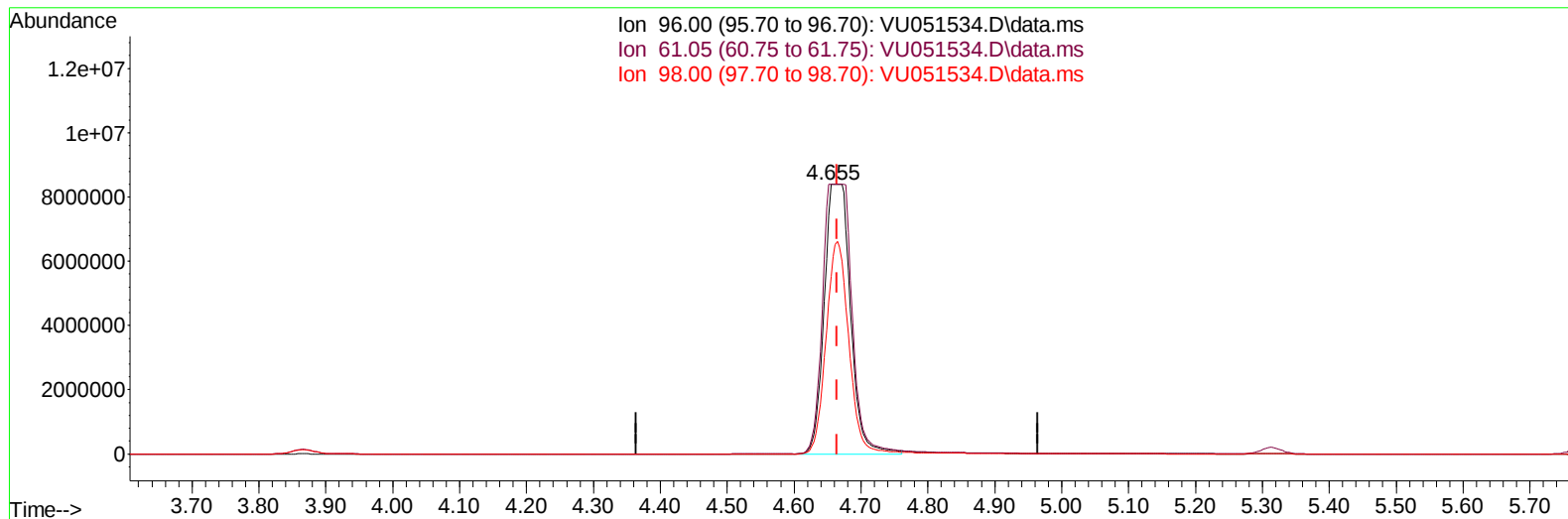
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
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MSVOA_U
ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



TIC: VU051534.D\data.ms

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

4.655min (-0.010) 773.84 ug/L m

response 22735247

Ion	Exp%	Act%
96.00	100.00	100.00
61.05	129.40	100.00
98.00	67.90	65.92
0.00	0.00	0.00

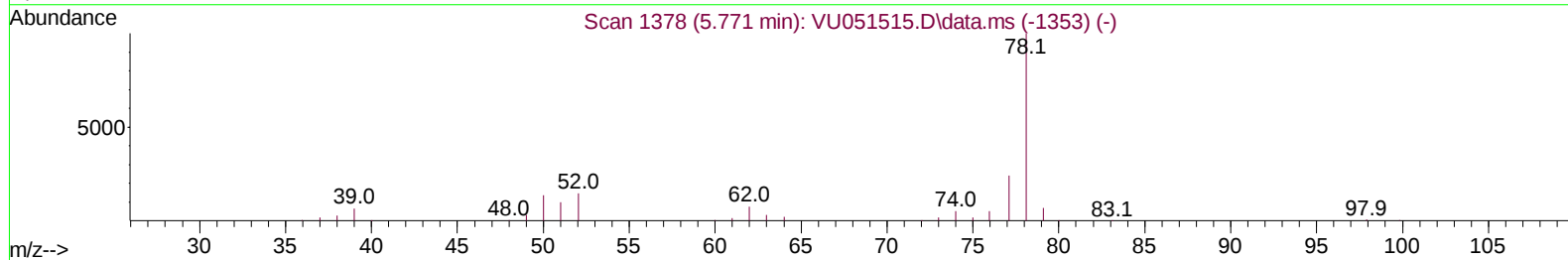
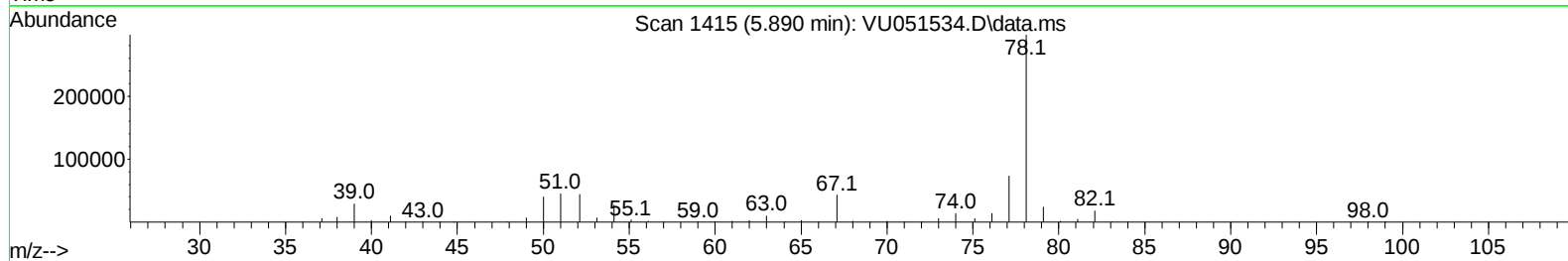
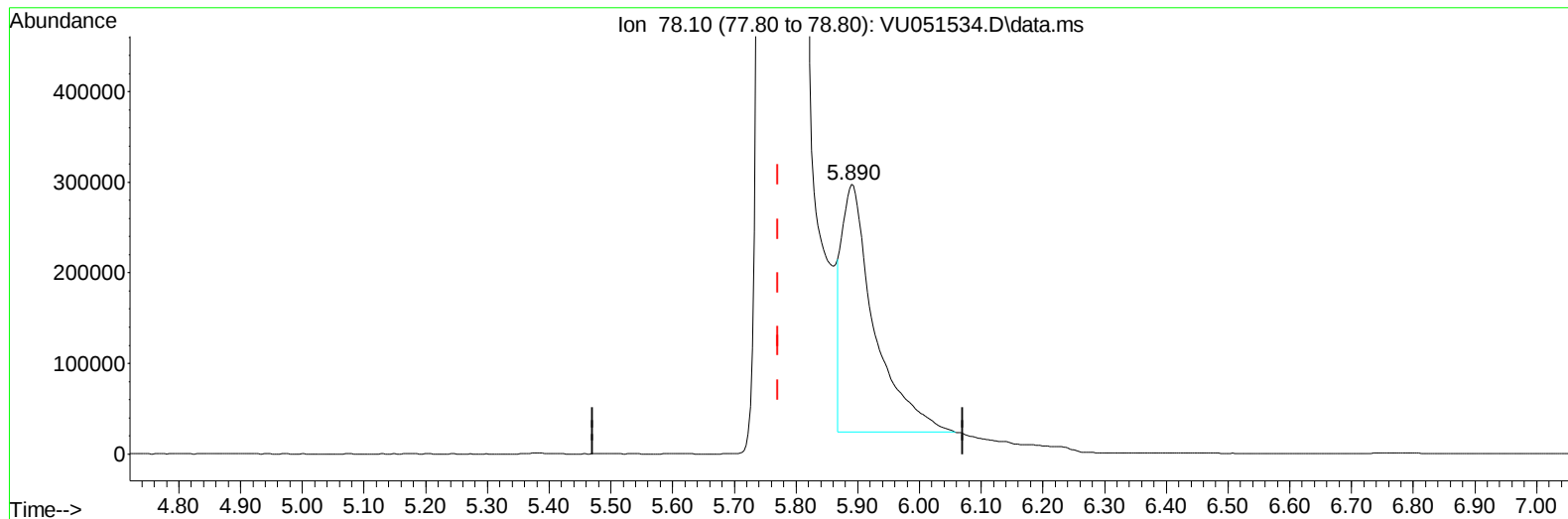
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

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TIC: VU051534.D\data.ms

(33) Benzene (T)

5.890min (+ 0.119) 8.69 ug/L

response 1006535

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

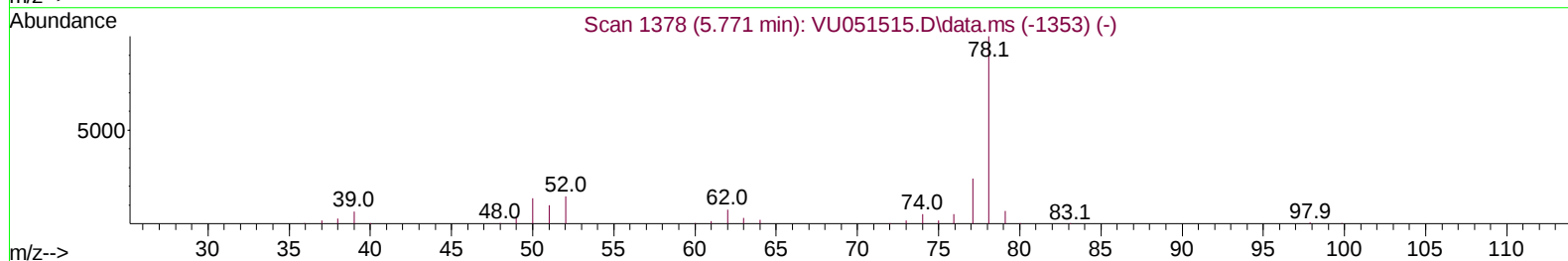
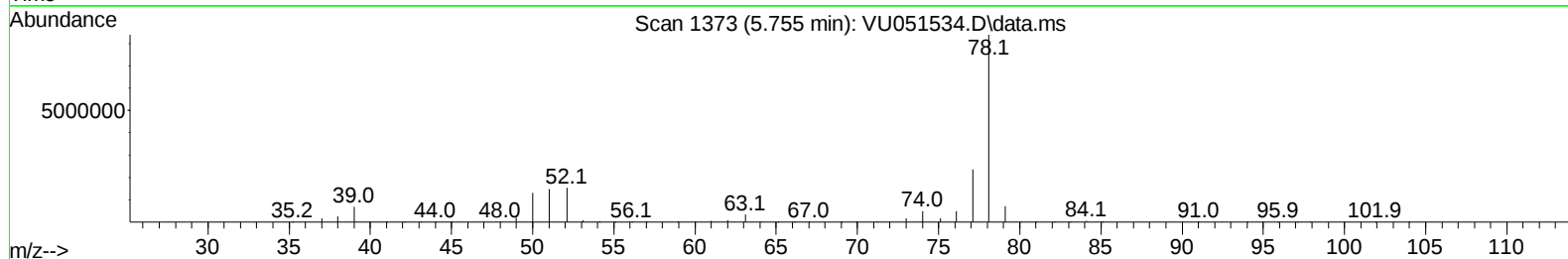
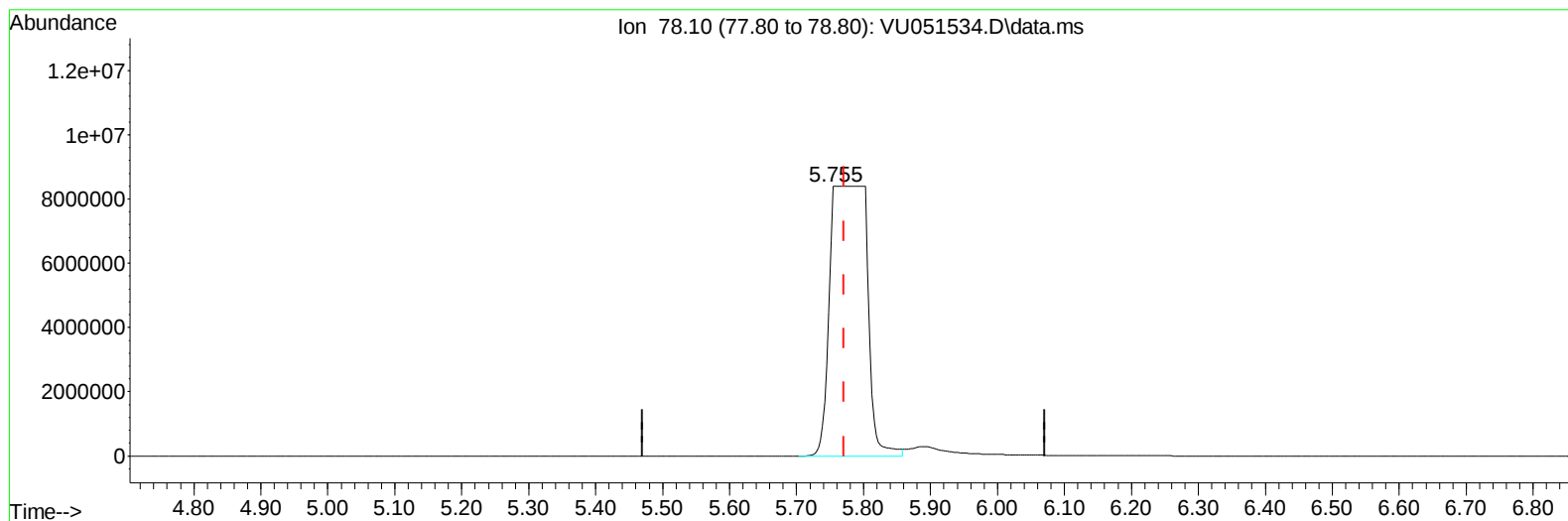
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
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Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

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Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022



TIC: VU051534.D\data.ms

(33) Benzene (T)

5.755min (-0.016) 279.40 ug/L m

response 32361867

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

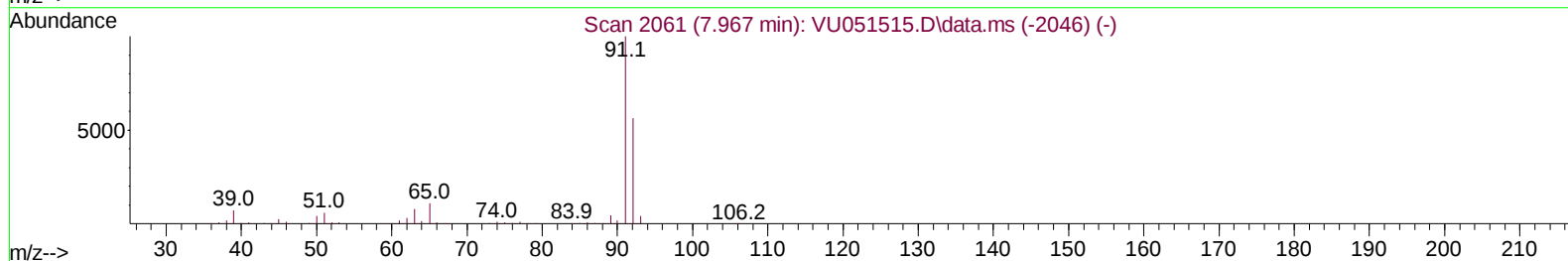
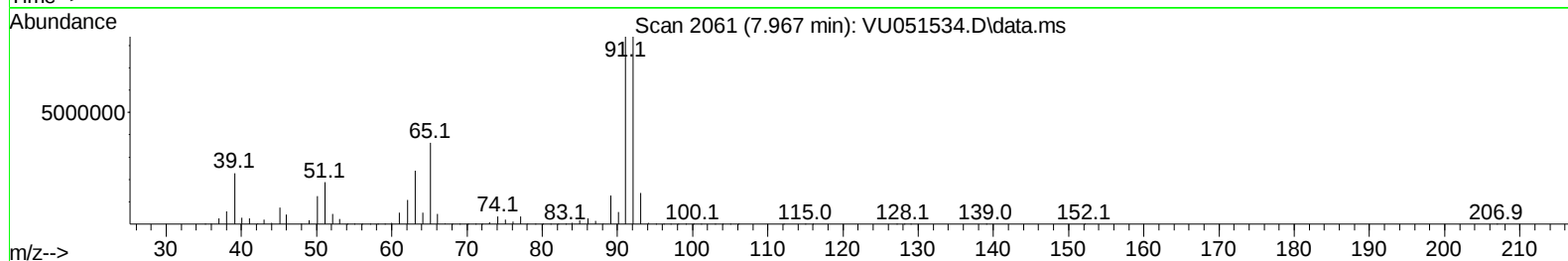
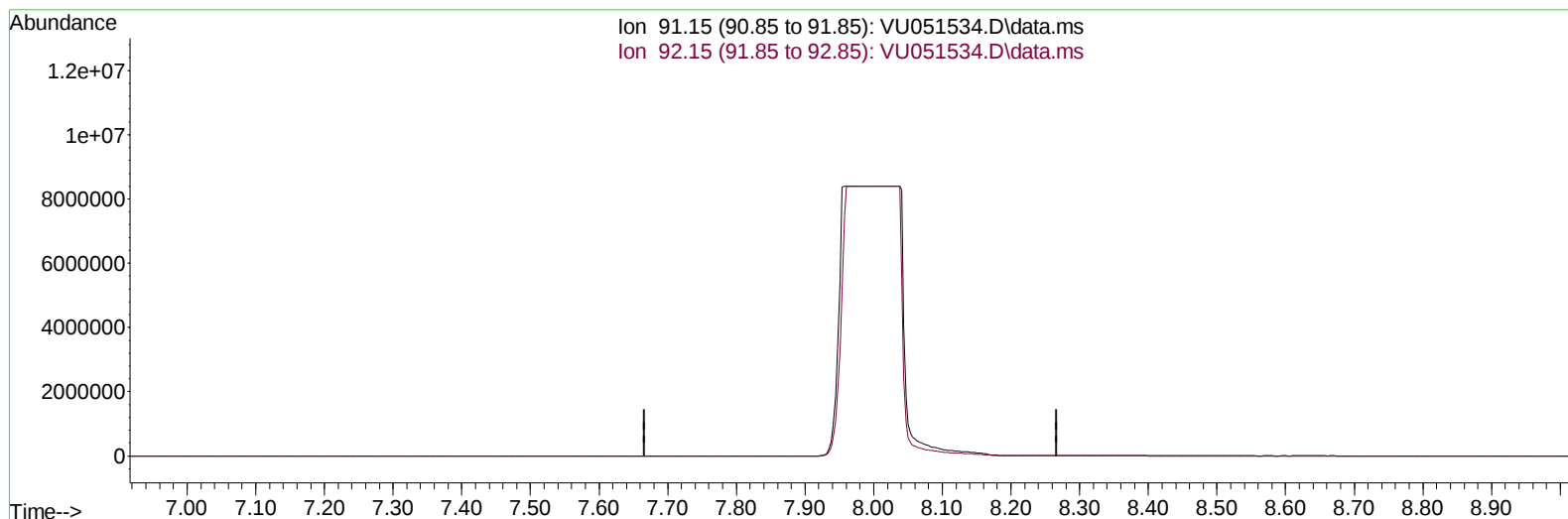
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
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 Misc : 25.0mL/MSVOA_U/WATER
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Instrument :
 MSVOA_U
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 BHA78

Manual IntegrationsAPPROVED

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TIC: VU051534.D\data.ms

(42) Toluene (T)

7.967min (-7.967) 0.00 ug/L

response 0

Ion	Exp%	Act%
91.15	100.00	0.00
92.15	57.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

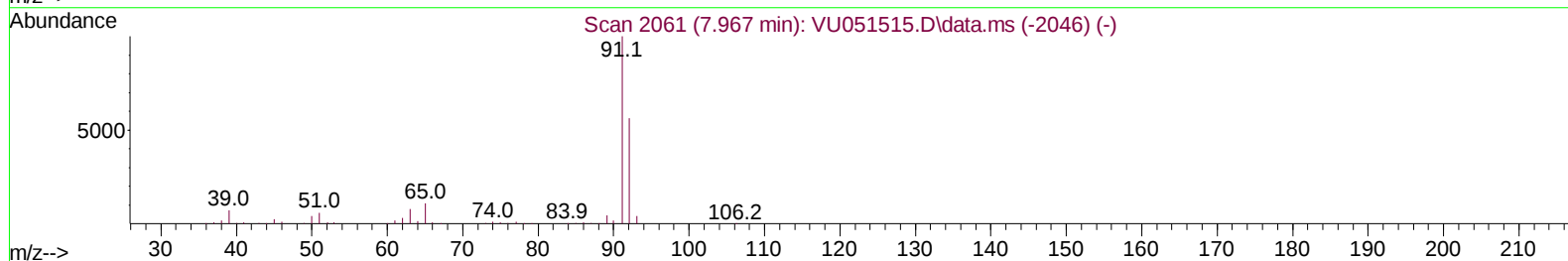
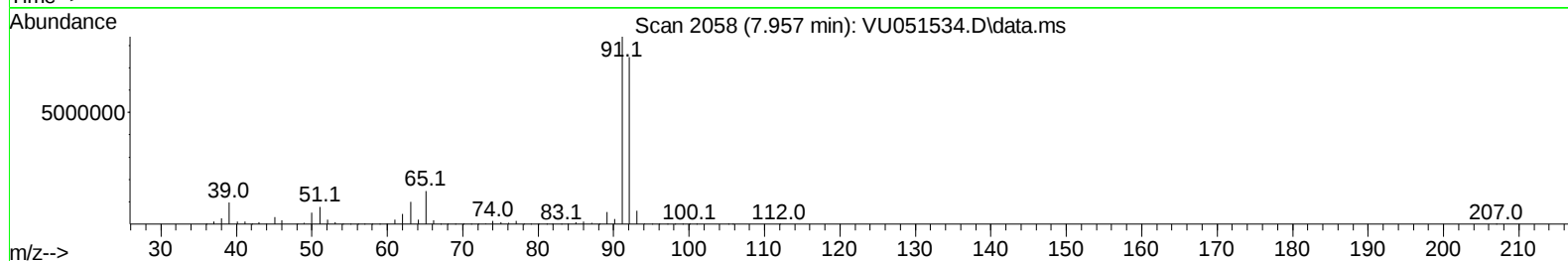
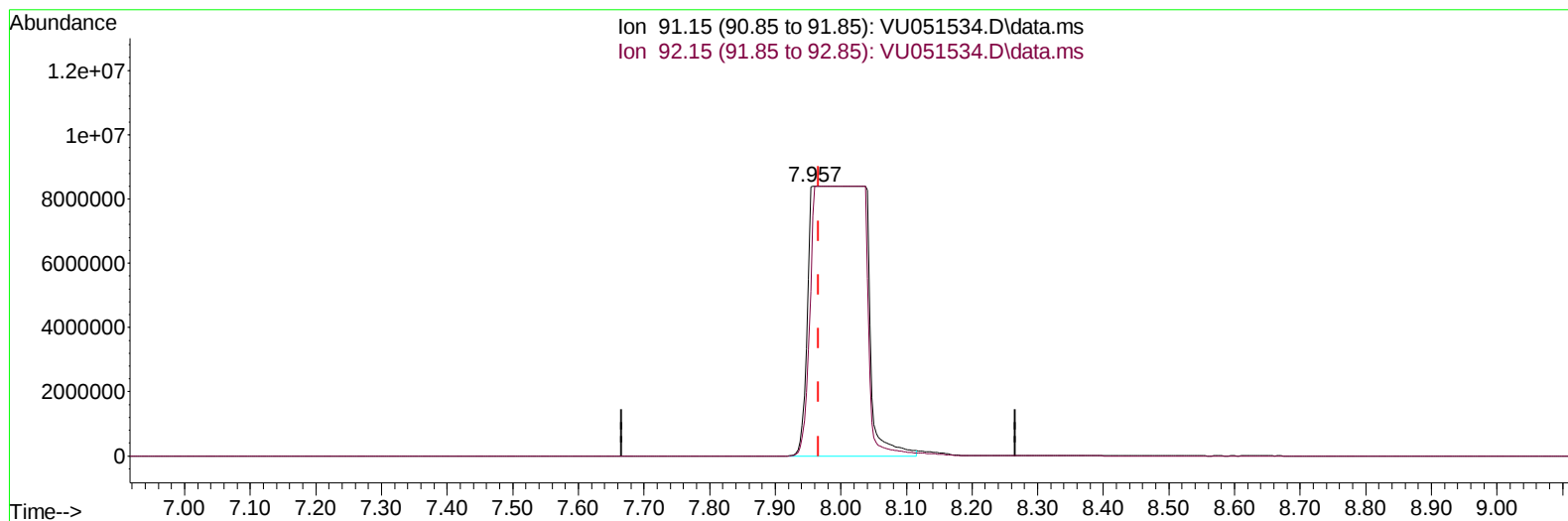
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
Data File : VU051534.D
Acq On : 27 Oct 2022 05:04
Operator : JC/MD
Sample : N5300-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA78

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 08:28:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 27 08:11:03 2022
Response via : Initial Calibration



TIC: VU051534.D\data.ms

(42) Toluene (T)

7.957min (-0.010) 408.88 ug/L m

response 50269289

Ion	Exp%	Act%
91.15	100.00	100.00
92.15	57.00	88.99#
0.00	0.00	0.00
0.00	0.00	0.00

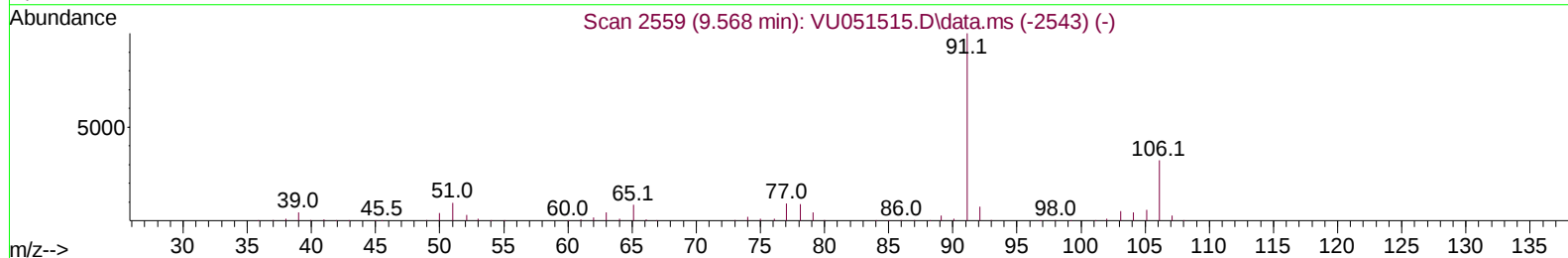
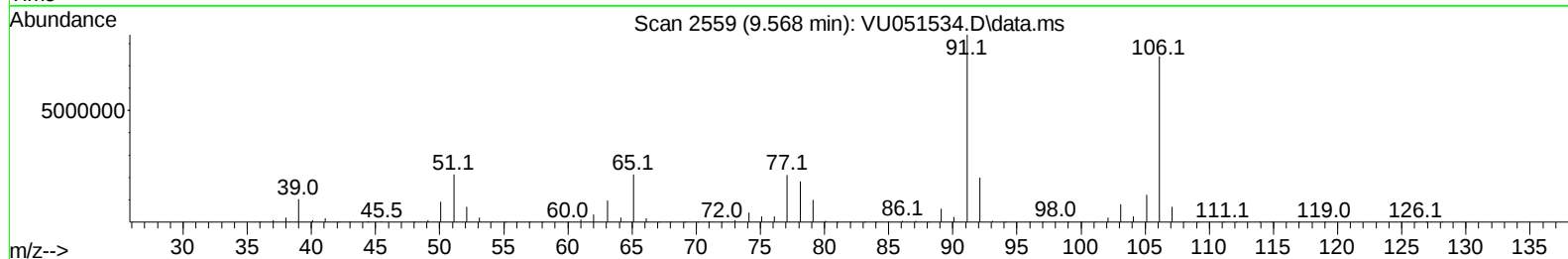
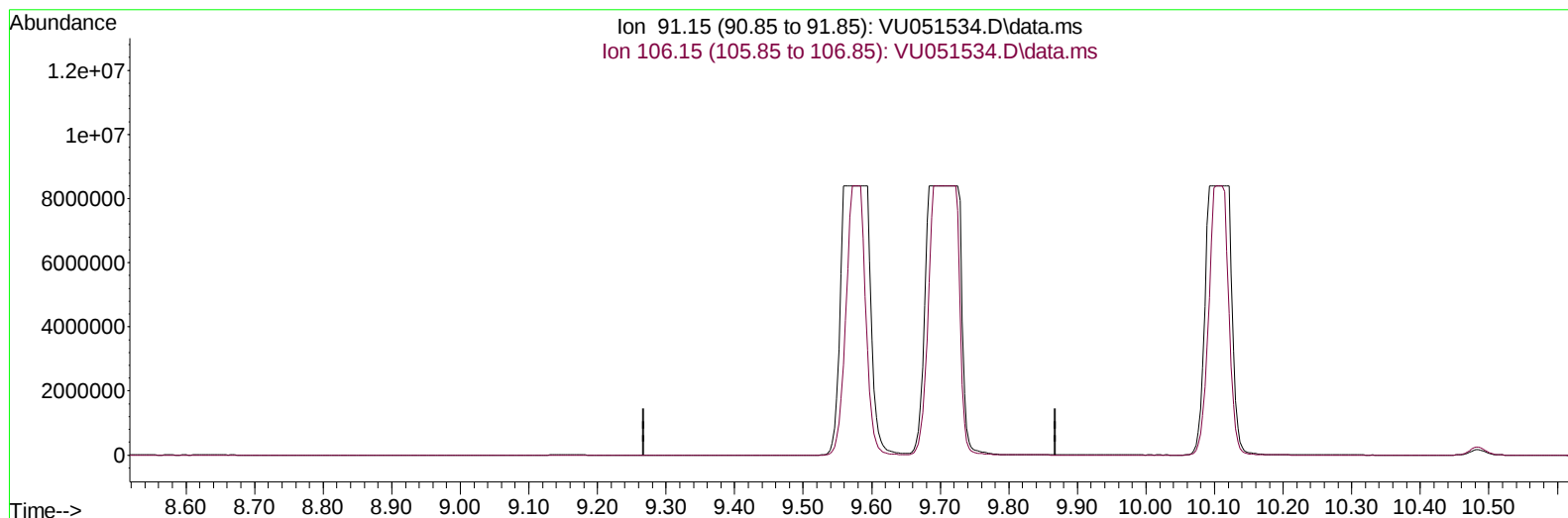
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 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

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TIC: VU051534.D\data.ms

(52) Ethylbenzene (T)

9.568min (-9.568) 0.00 ug/L

response 0

Ion	Exp%	Act%
91.15	100.00	0.00
106.15	29.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

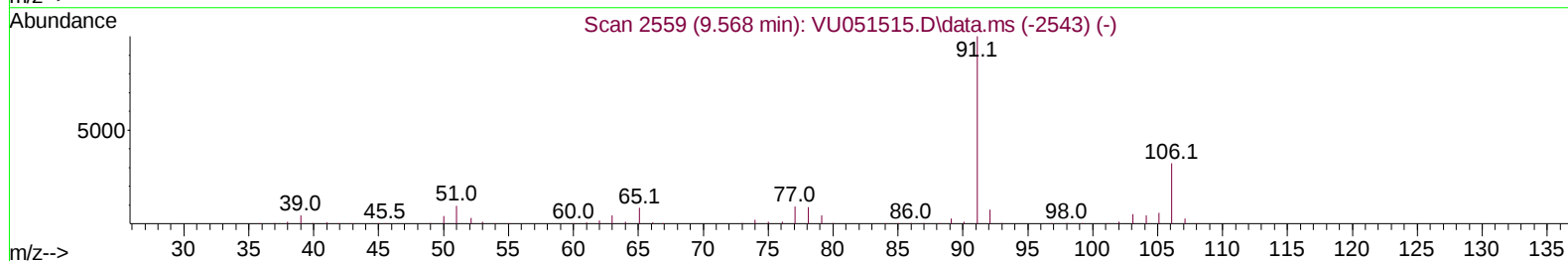
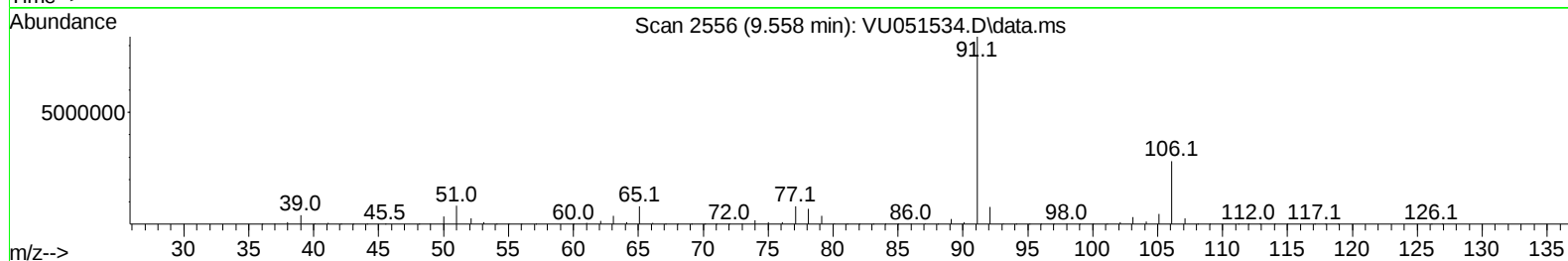
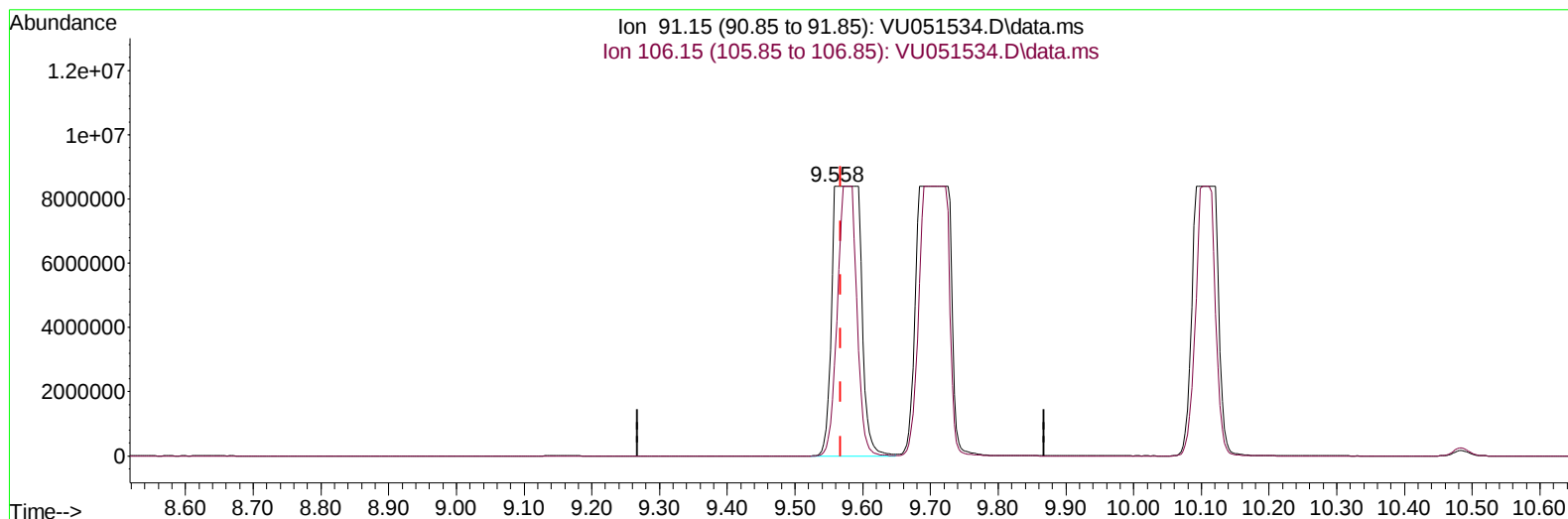
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 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

Quant Time: Oct 27 08:28:17 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022



TIC: VU051534.D\data.ms

(52) Ethylbenzene (T)

9.558min (-0.010) 223.70 ug/L m

response 24714945

Ion	Exp%	Act%
91.15	100.00	100.00
106.15	29.80	33.63
0.00	0.00	0.00
0.00	0.00	0.00

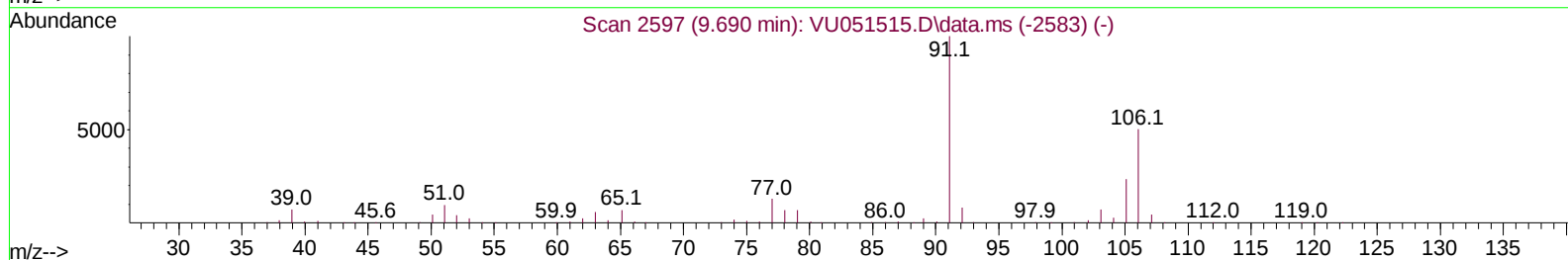
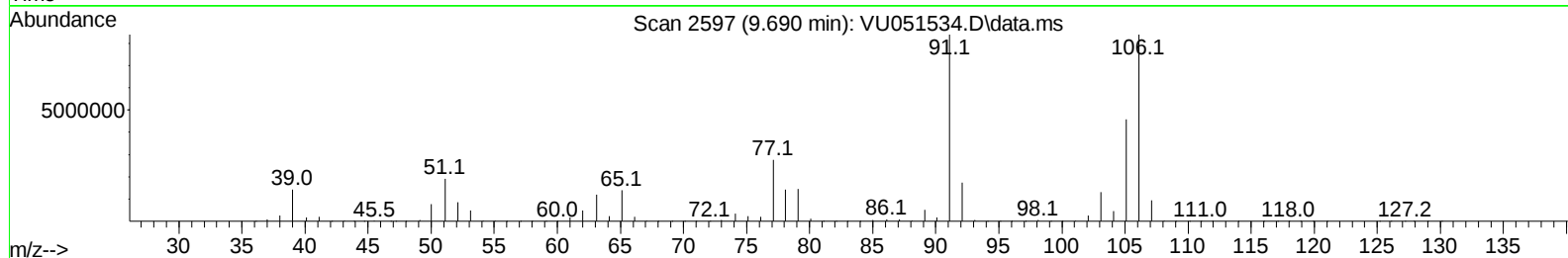
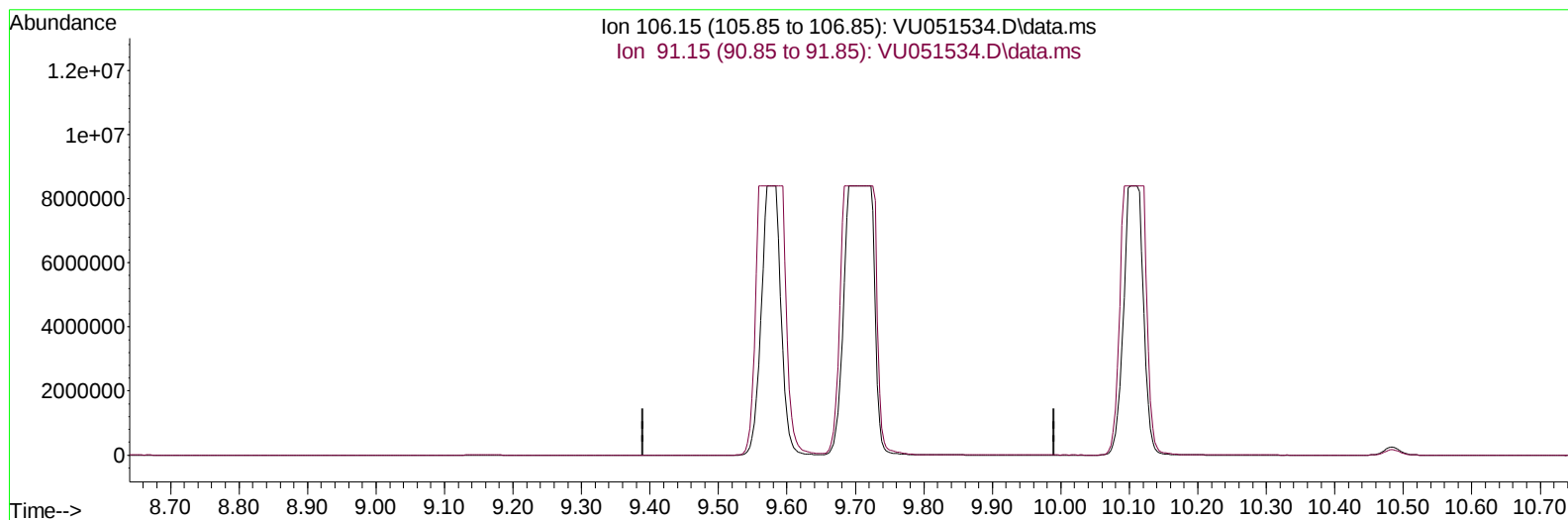
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
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 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

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TIC: VU051534.D\data.ms

(53) m,p-Xylene (T)

9.690min (-9.690) 0.00 ug/L

response 0

Ion	Exp%	Act%
106.15	100.00	0.00
91.15	205.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

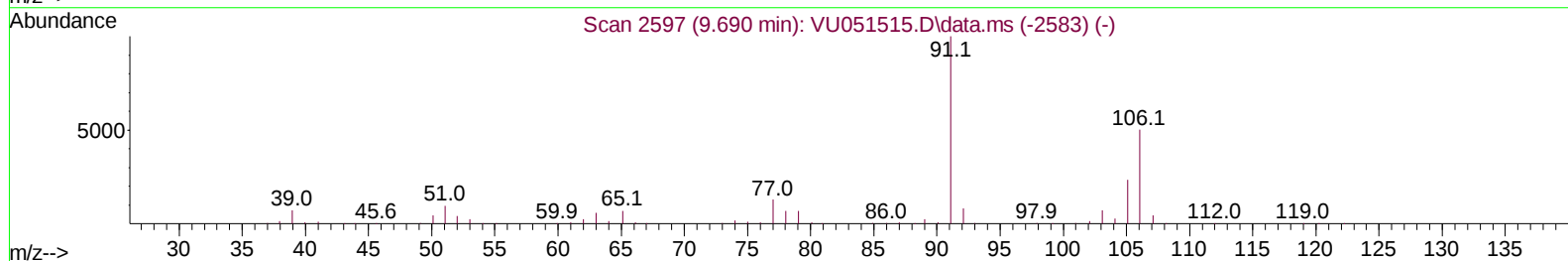
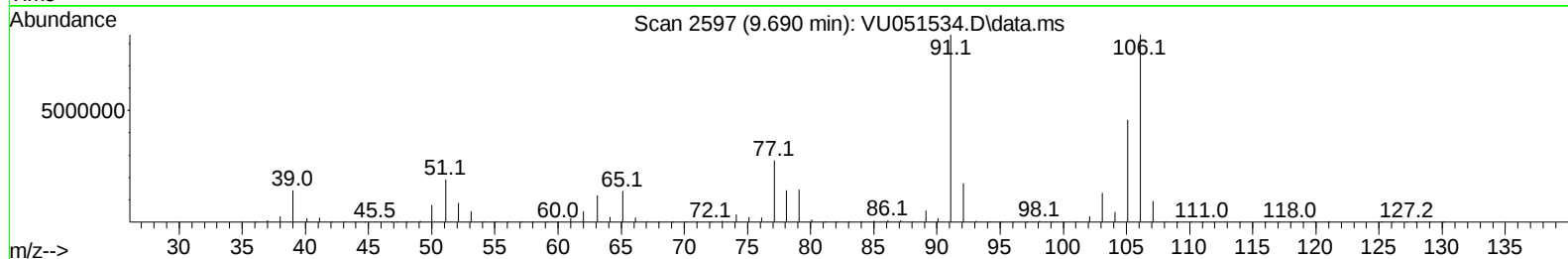
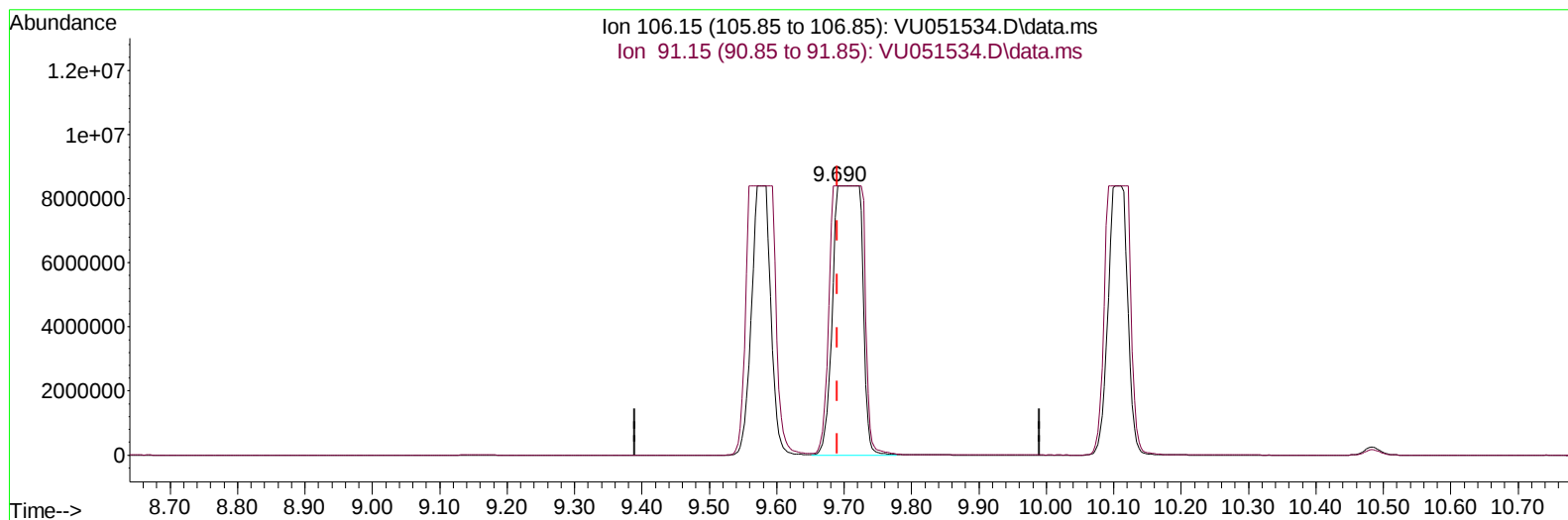
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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: VU051534.D\data.ms

(53) m,p-Xylene (T)

9.690min (+ 0.000) 585.64 ug/L m

response 25094448

Ion	Exp%	Act%
106.15	100.00	100.00
91.15	205.60	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

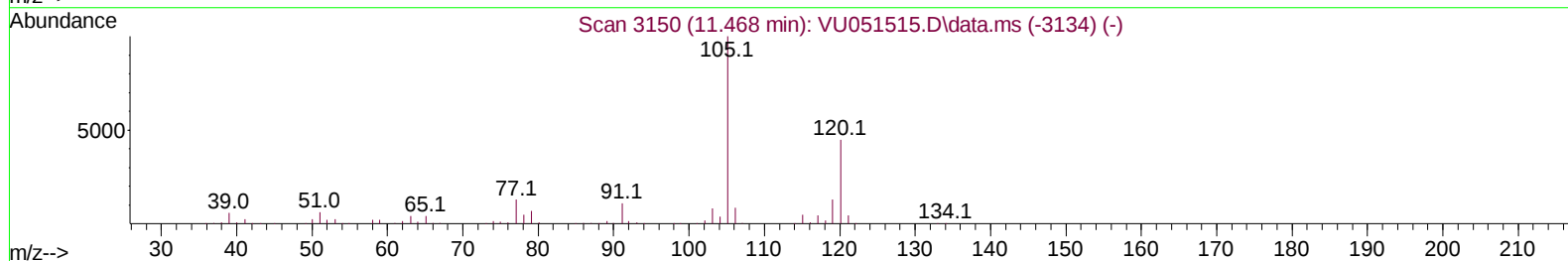
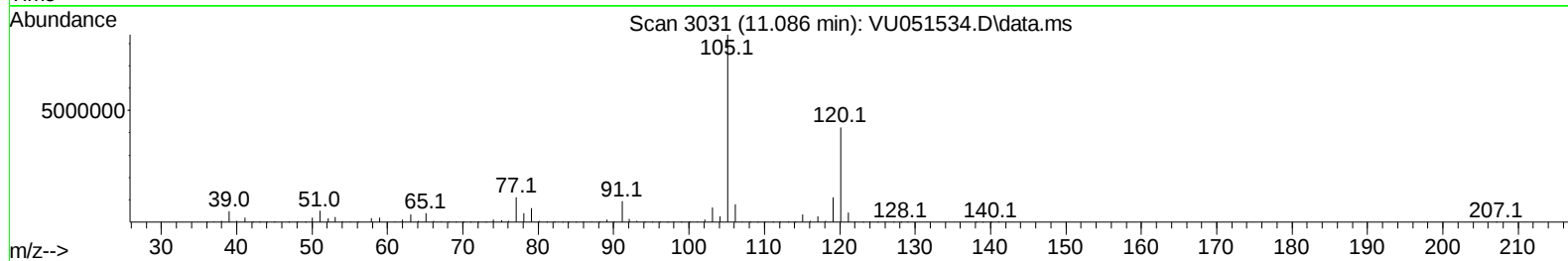
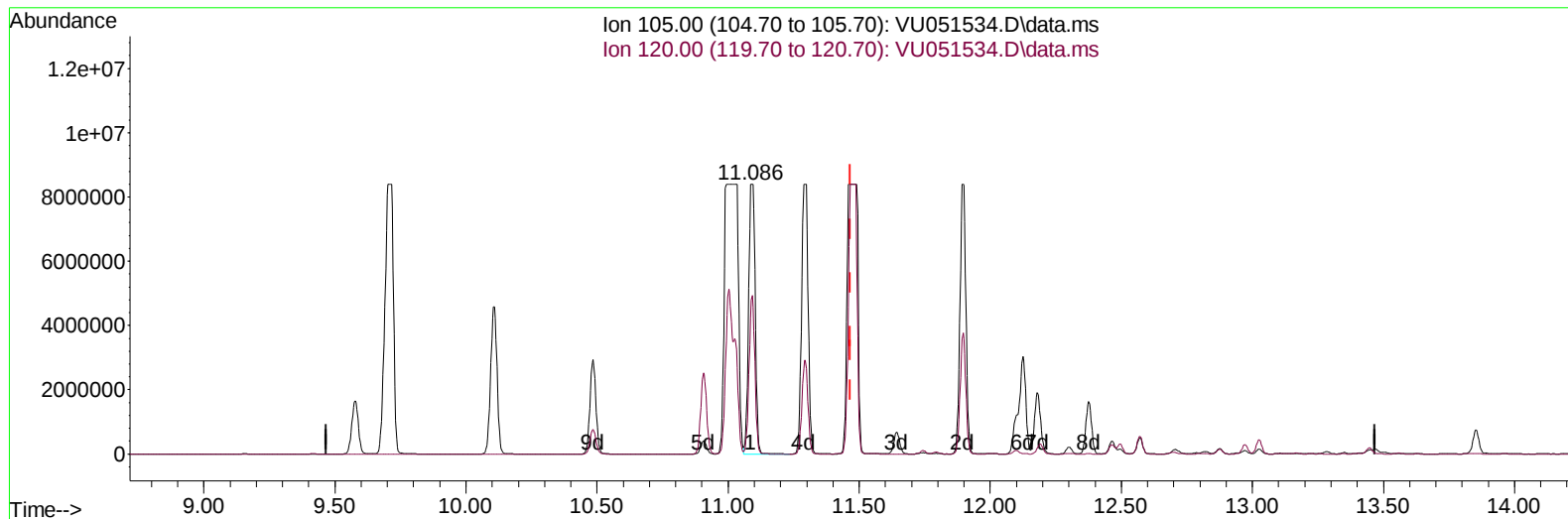
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MSVOA_U
ClientSampleId :
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TIC: VU051534.D\data.ms

(63) 1,2,4-Trimethylbenzene

11.086min (-0.383) 157.96 ug/L

response 14521694

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	44.50	51.86
0.00	0.00	0.00
0.00	0.00	0.00

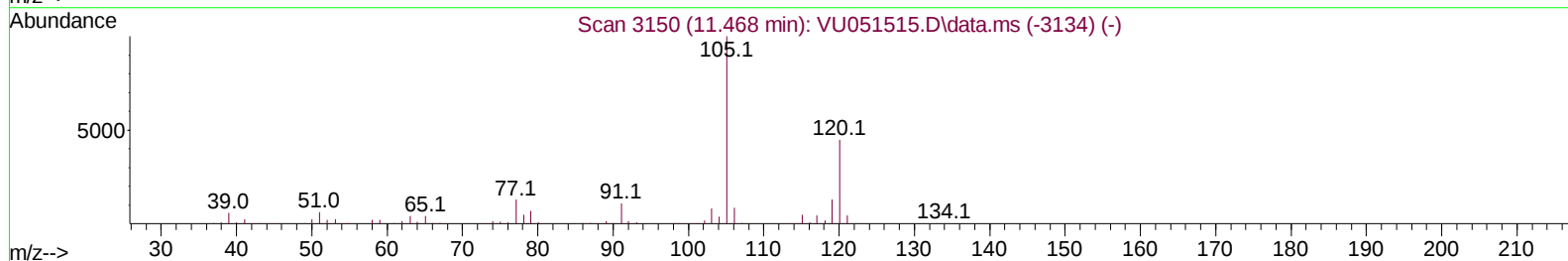
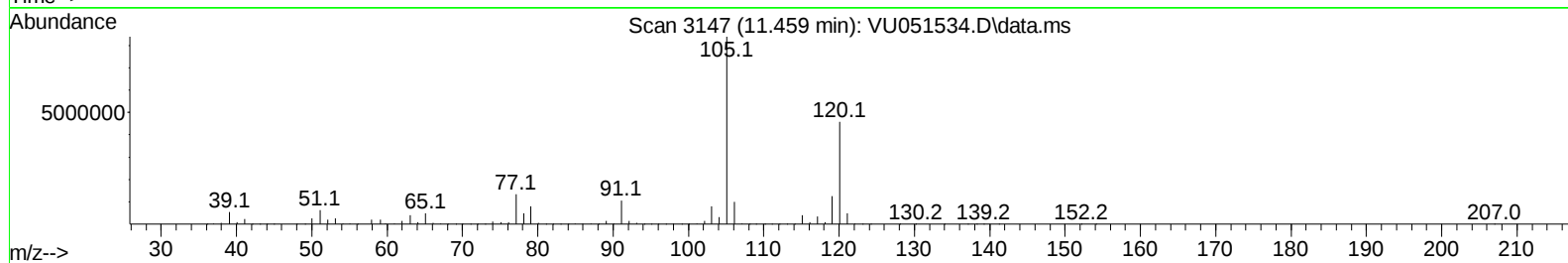
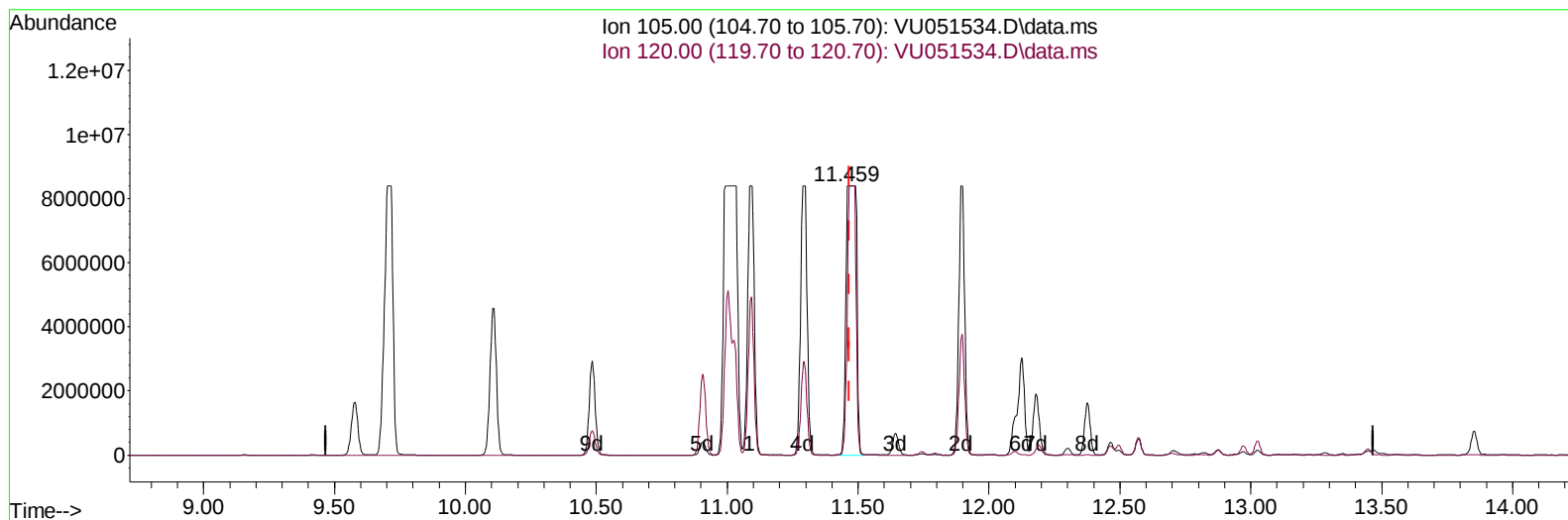
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Data File : VU051534.D
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Instrument :
MSVOA_U
ClientSampleId :
BHA78

Manual IntegrationsAPPROVED

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Response via : Initial Calibration

Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



TIC: VU051534.D\data.ms

(63) 1,2,4-Trimethylbenzene

11.459min (-0.010) 255.91 ug/L m

response 23527209

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	44.50	32.01#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
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Reviewed By :Krupa Patel 10/27/2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	345717	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	346948	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	193475	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.591	65	116021	4.160	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	83.200%	
7) Chloroethane-d5	1.909	69	98105	4.094	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	81.800%	
11) 1,1-Dichloroethene-d2	2.559	65	40953	3.715	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	74.200%	
20) 2-Butanone-d5	4.649	46	305118	49.695	ug/L	0.03
Spiked Amount 50.000	Range 40	- 130	Recovery	=	99.400%	
24) Chloroform-d	5.060	84	197164	3.792	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	75.800%	
26) 1,2-Dichloroethane-d4	5.707	65	102562	3.825	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	76.600%	
32) Benzene-d6	5.729	84	435032	4.558	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	91.200%	
36) 1,2-Dichloropropane-d6	6.690	67	140411	4.332	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	86.600%	
41) Toluene-d8	7.909	98	407540	4.773	ug/L	0.01
Spiked Amount 5.000	Range 70	- 130	Recovery	=	95.400%	
43) trans-1,3-Dichloroprop...	8.182	79	43465	4.081	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	81.600%	
46) 2-Hexanone-d5	8.636	63	283184	78.899	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	157.800%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	128017	4.944	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	98.800%	
66) 1,2-Dichlorobenzene-d4	12.192	152	153217	4.556	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	91.200%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.597	62	849484	21.872	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	565045	21.028	ug/L	95
12) 1,1-Dichloroethene	2.575	96	58851	2.334	ug/L	87
13) Acetone	2.662	43	333575	72.438	ug/L	91
14) Carbon disulfide	2.784	76	20270	0.262	ug/L #	92
18) trans-1,2-Dichloroethene	3.353	96	34235	1.291	ug/L	93
19) 1,1-Dichloroethane	3.867	63	4886217	89.273	ug/L	99
21) 2-Butanone	4.723	43	285726	39.370	ug/L	99
22) cis-1,2-Dichloroethene	4.655	96	22735247m	773.843	ug/L	
25) Chloroform	5.086	83	51648	0.903	ug/L	95
29) 1,1,1-Trichloroethane	5.314	97	1056291	25.410	ug/L	95
30) Cyclohexane	5.385	56	668802	18.968	ug/L	99
33) Benzene	5.755	78	32361867m	279.399	ug/L	
34) Trichloroethene	6.543	95	62919	2.178	ug/L	92
35) Methylcyclohexane	6.761	83	538205	14.763	ug/L	98
40) 4-Methyl-2-pentanone	7.819	43	342370	20.556	ug/L	95
42) Toluene	7.957	91	50269289m	408.882	ug/L	
47) Tetrachloroethene	8.552	164	69069	3.251	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 08:28:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

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

51) Chlorobenzene	9.446	112	2004200	27.283	ug/L		99
52) Ethylbenzene	9.558	91	24714945m	223.697	ug/L		
53) m,p-Xylene	9.690	106	25094448m	585.644	ug/L		
54) o-Xylene	10.102	106	16699983	411.902	ug/L #		25
60) Isopropylbenzene	10.484	105	4618731	37.691	ug/L		97
62) 1,3,5-Trimethylbenzene	11.086	105	14521694	446.712	ug/L		93
63) 1,2,4-Trimethylbenzene	11.459	105	23527209m	255.914	ug/L		
64) 1,3-Dichlorobenzene	11.745	146	94432	1.558	ug/L		98
65) 1,4-Dichlorobenzene	11.835	146	881736	14.758	ug/L		98
67) 1,2-Dichlorobenzene	12.211	146	2514299	42.668	ug/L		99
70) 1,2,4-trichlorobenzene	13.838	180	27621	0.930	ug/L #		74
72) 1,2,3-Trichlorobenzene	14.327	180	7536	0.245	ug/L #		51

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051534.D
 Acq On : 27 Oct 2022 05:04
 Operator : JC/MD
 Sample : N5300-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 10/27/2022
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
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