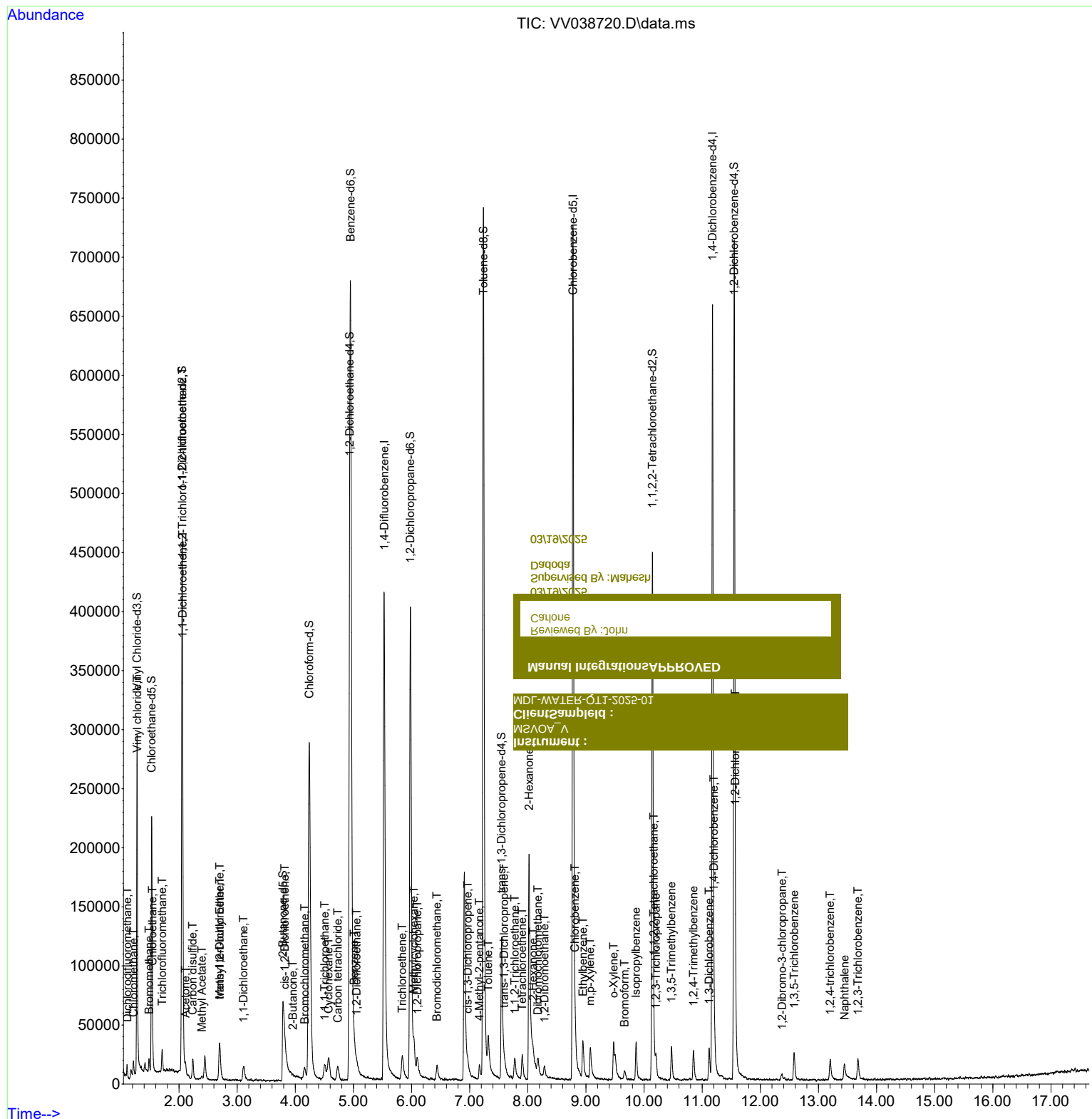
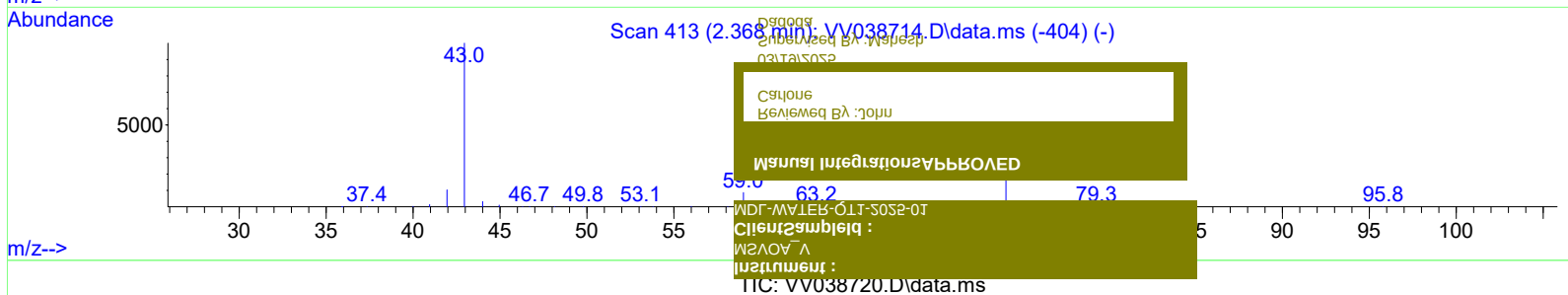
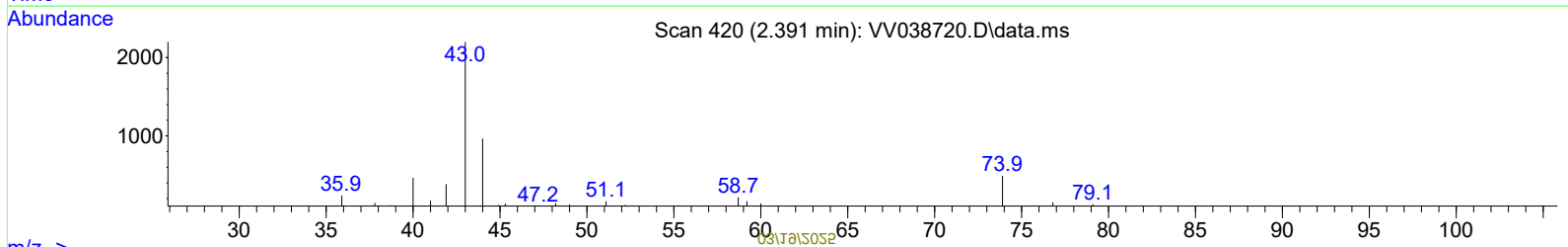
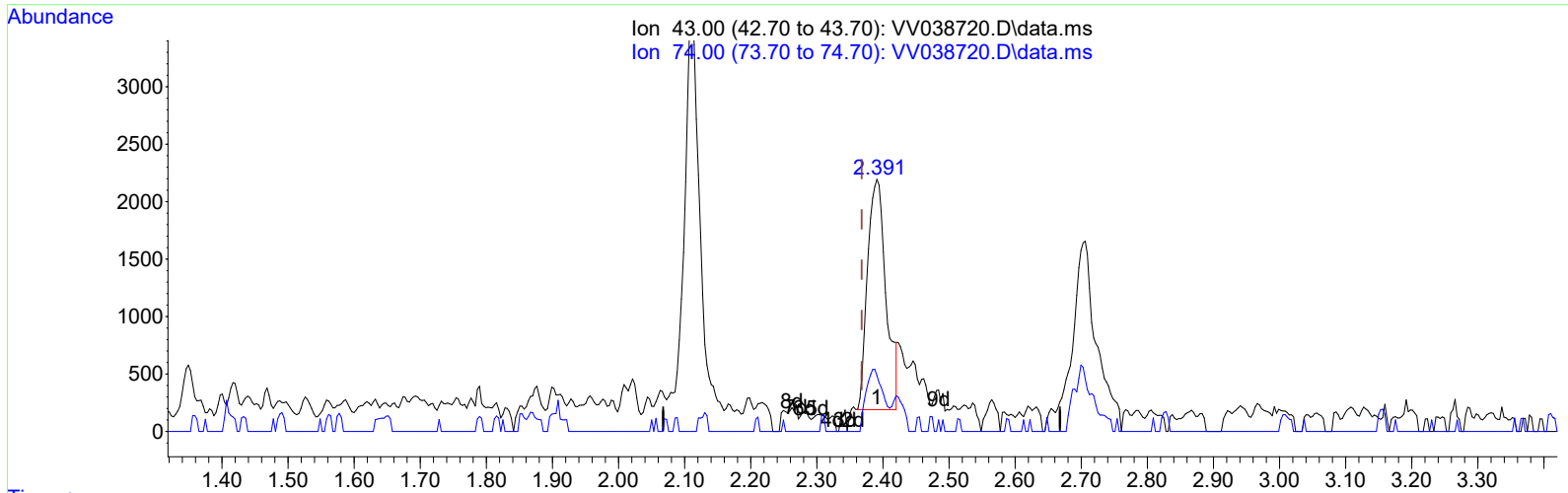


Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(15) Methyl Acetate (T)

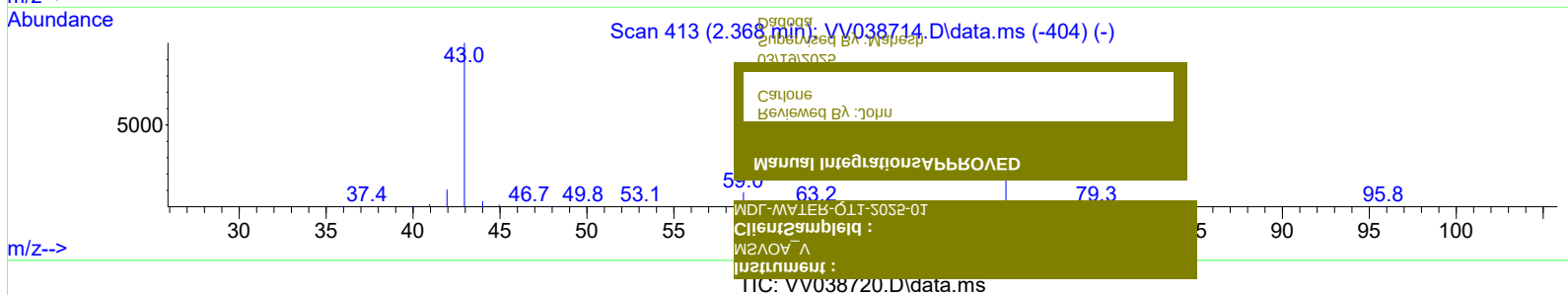
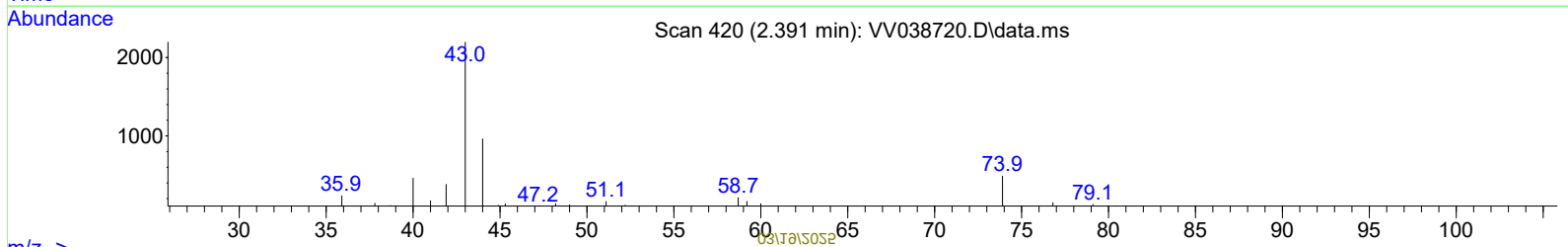
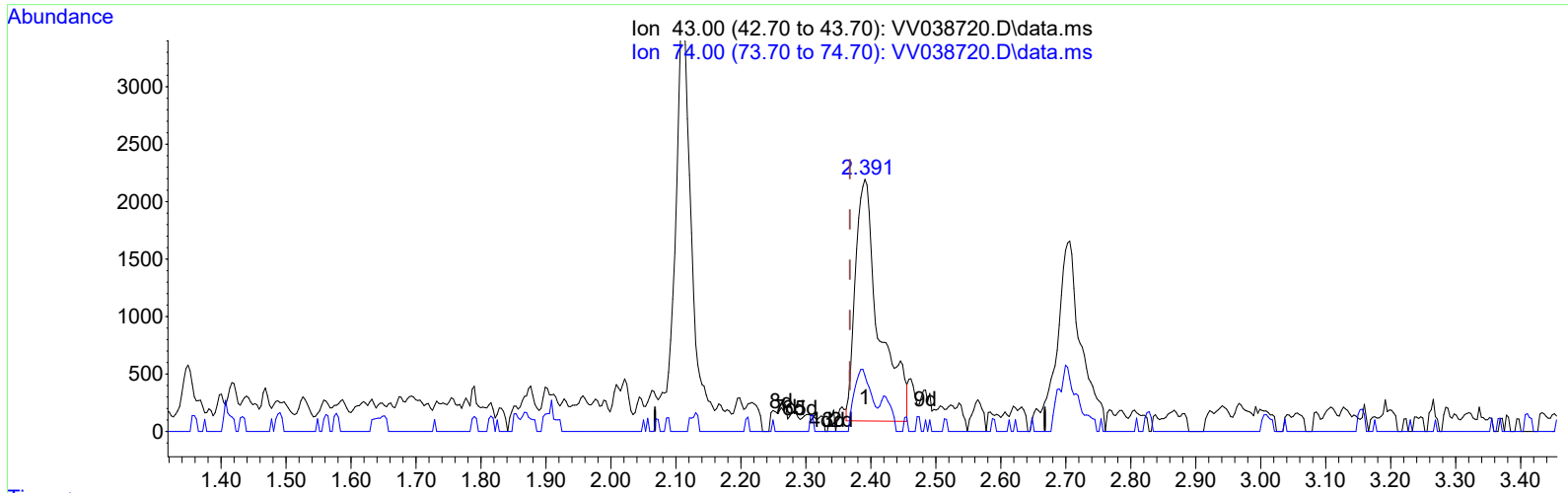
2.391min (+ 0.023) 1.49 ug/L

response 3895

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	25.80	25.26
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(15) Methyl Acetate (T)

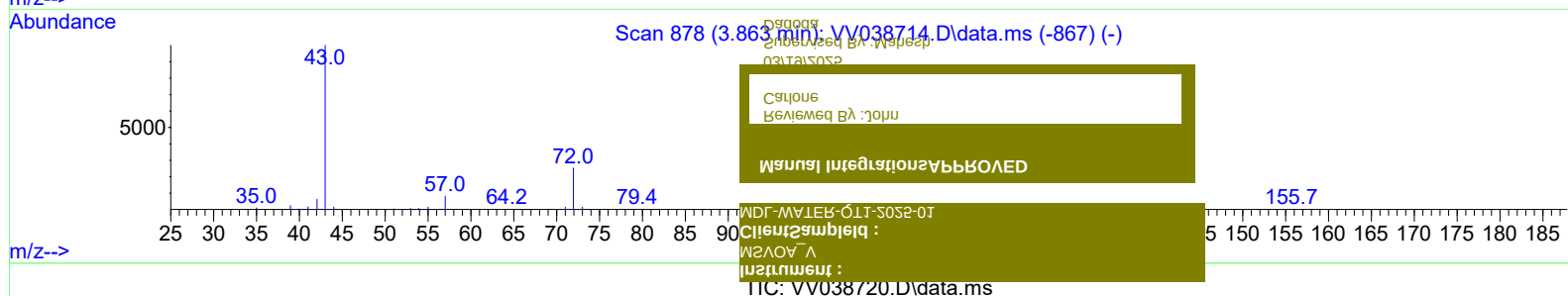
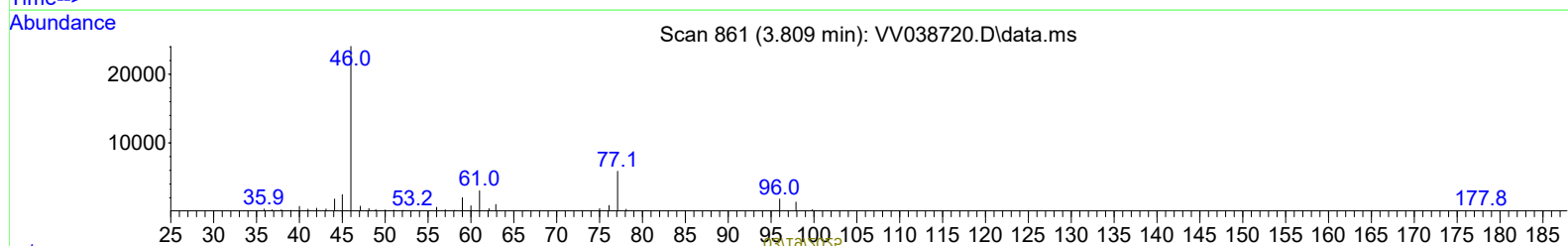
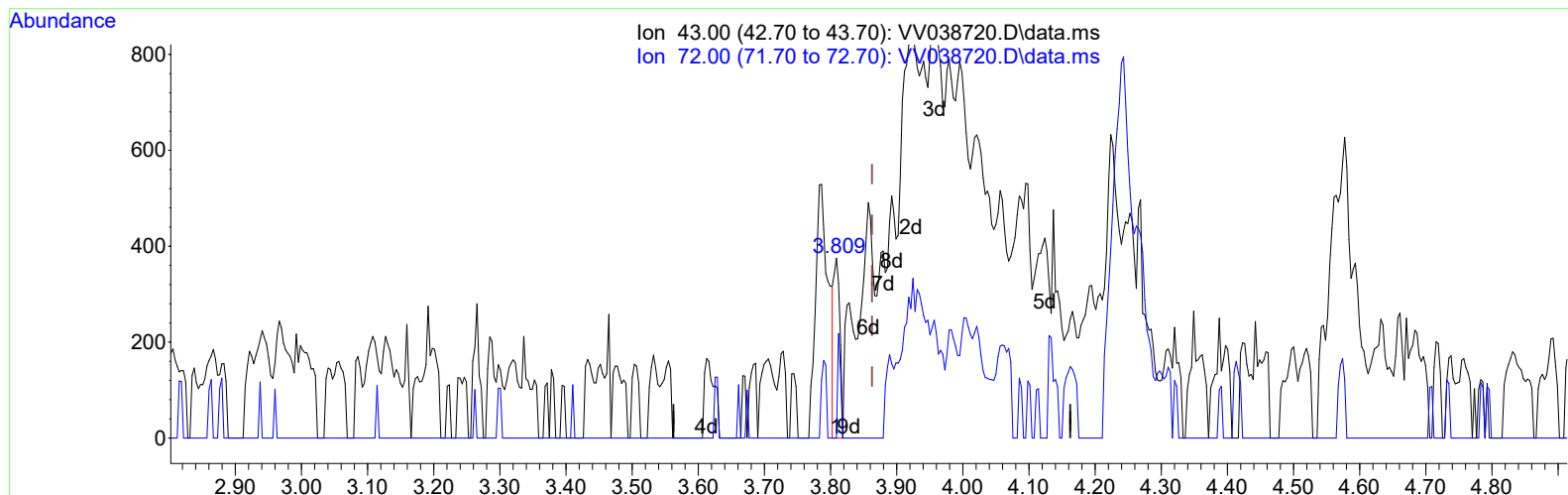
2.391min (+ 0.023) 2.03 ug/L m

response 5306

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	25.80	18.55#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



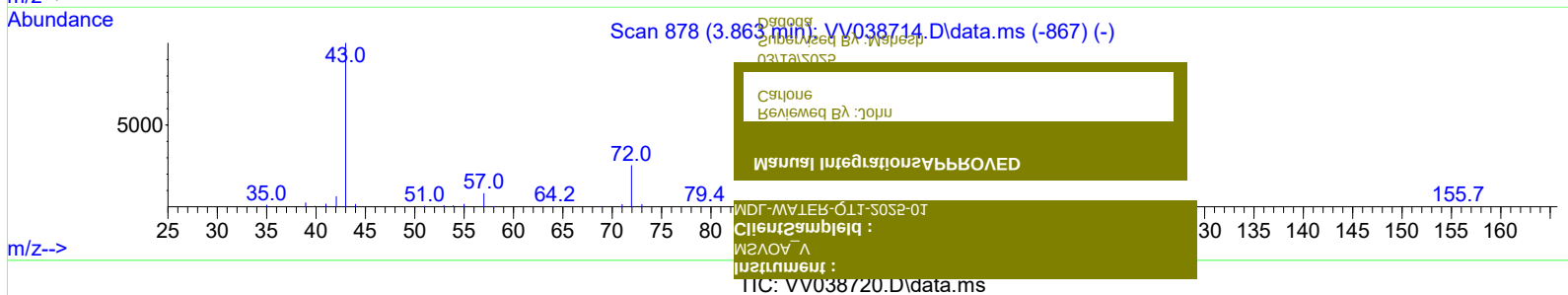
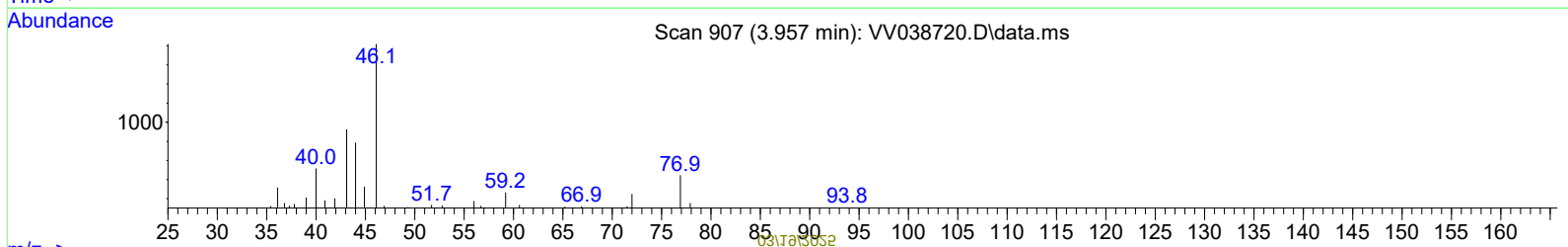
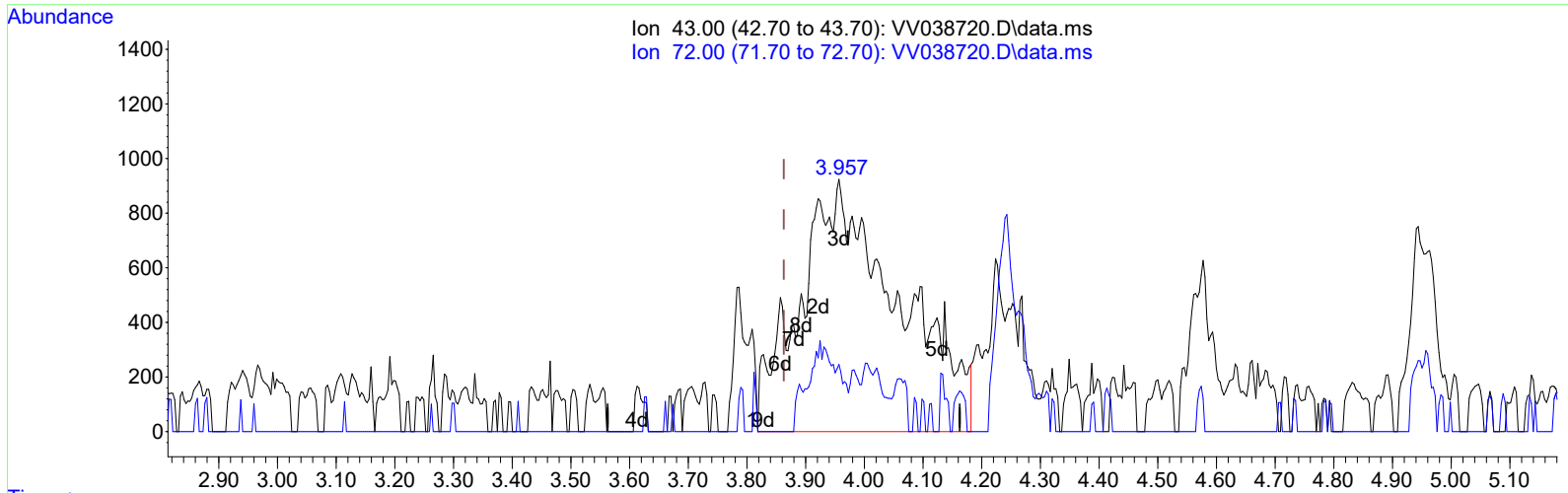
(22) 2-Butanone (T)

3.809min (-0.055) 0.16 ug/L

response	239		
Ion	Exp%	Act%	
43.00	100.00	100.00	
72.00	25.00	28.03	
0.00	0.00	0.00	
0.00	0.00	0.00	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(22) 2-Butanone (T)

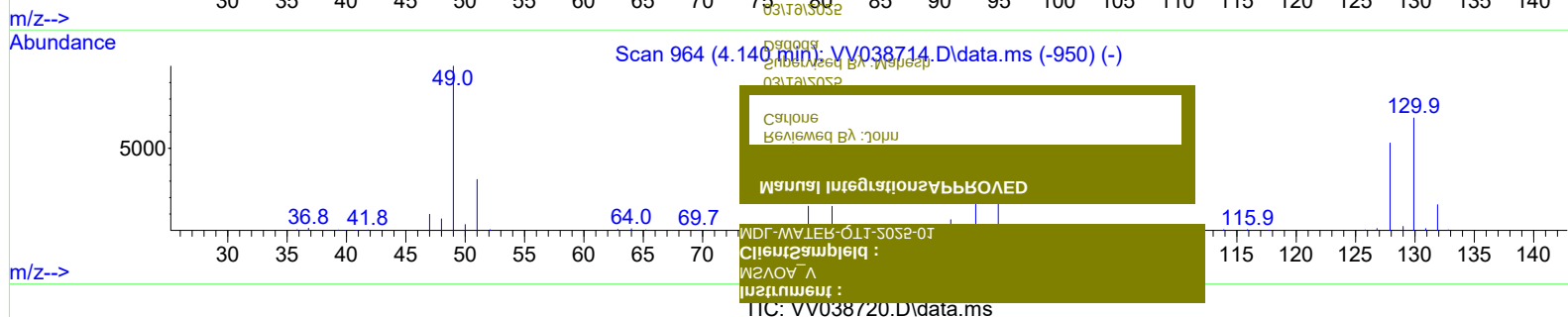
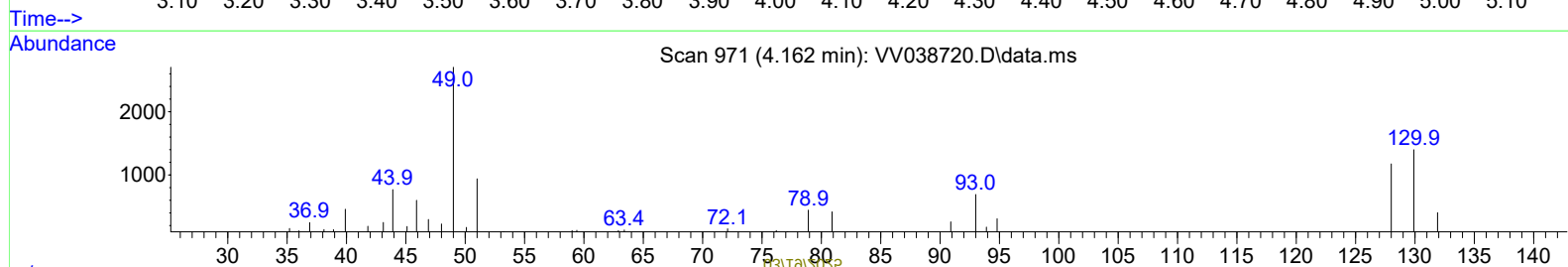
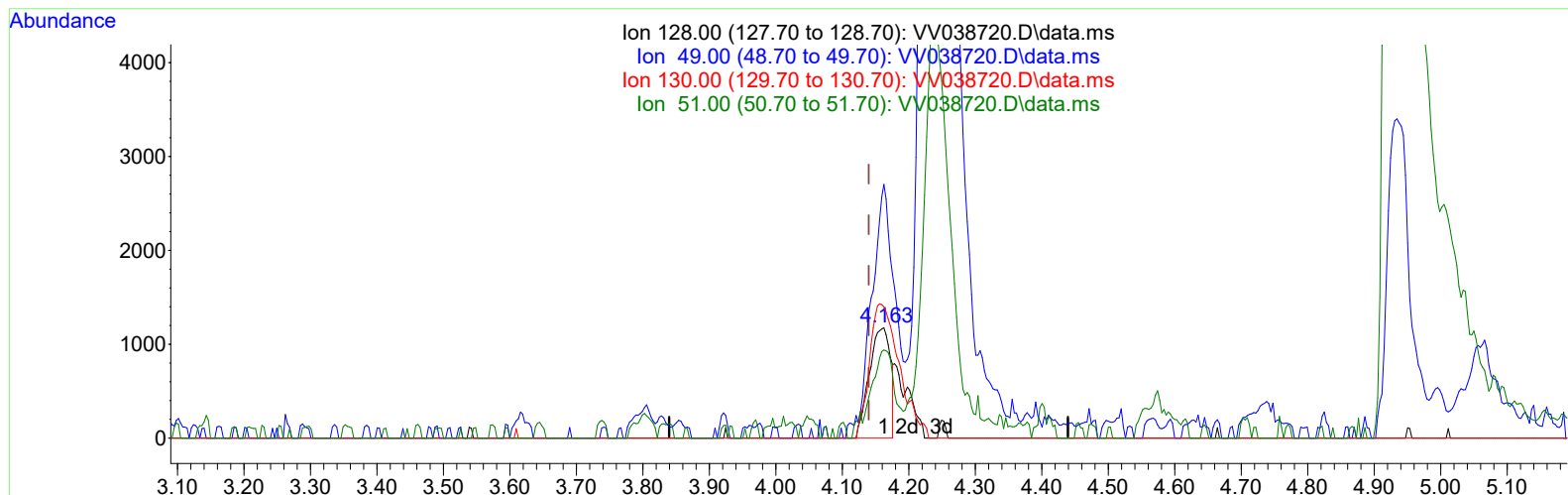
3.957min (+ 0.093) 7.00 ug/L m

response 10756

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	25.00	0.62#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(23) Bromochloromethane (T)

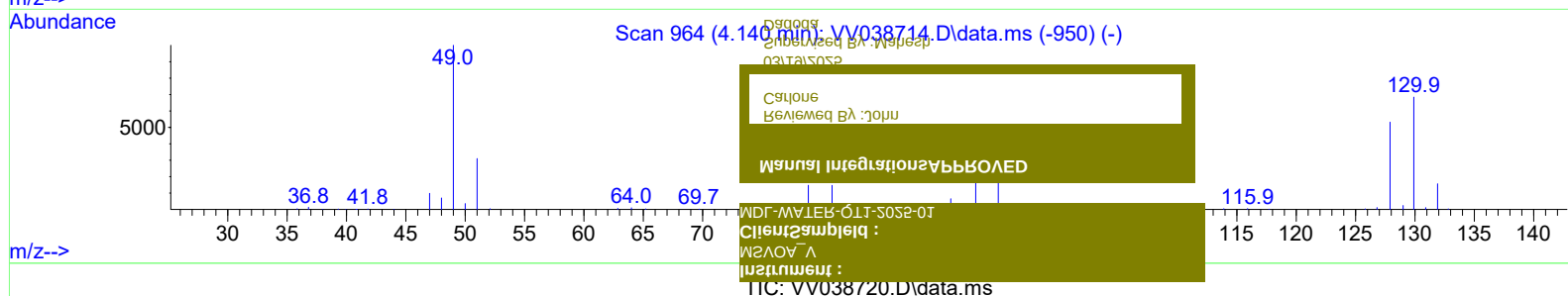
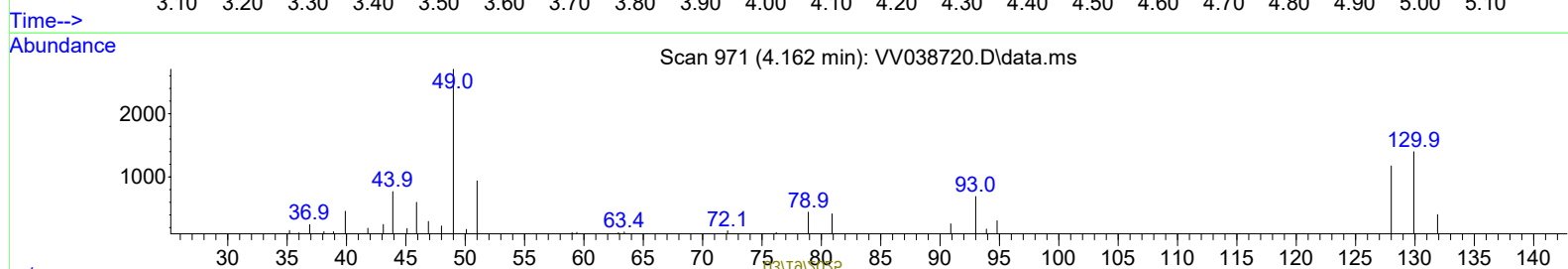
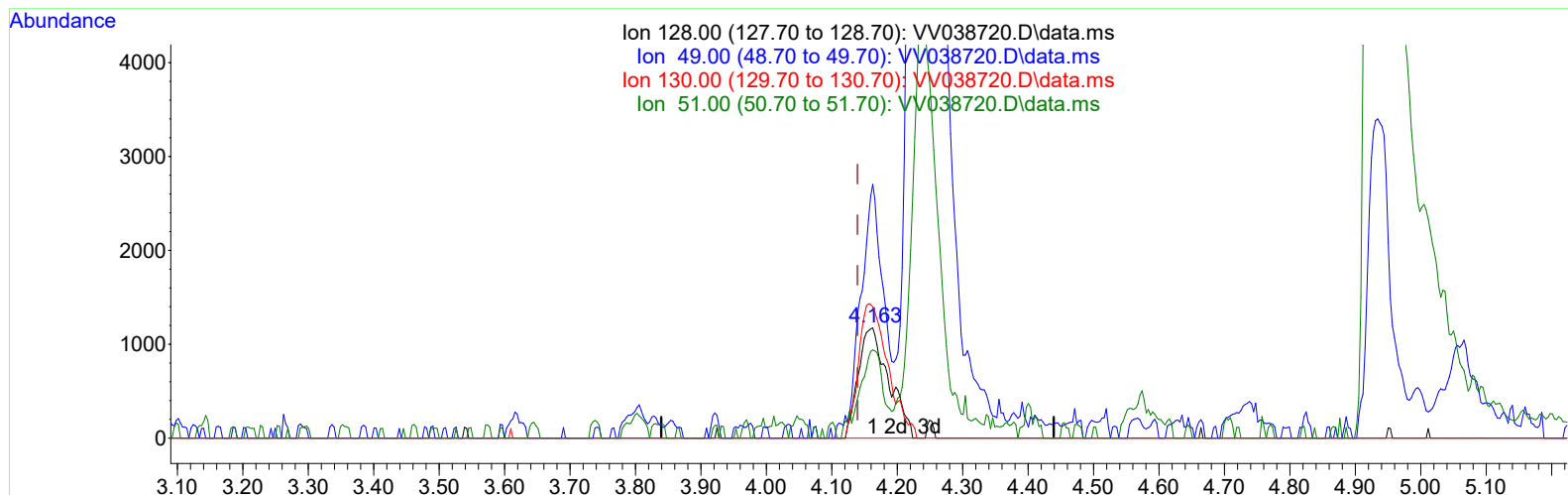
4.162min (+ 0.023) 1.52 ug/L

response 2583

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	152.50	230.04#
130.00	133.20	119.06
51.00	50.30	79.91#

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(23) Bromochloromethane (T)

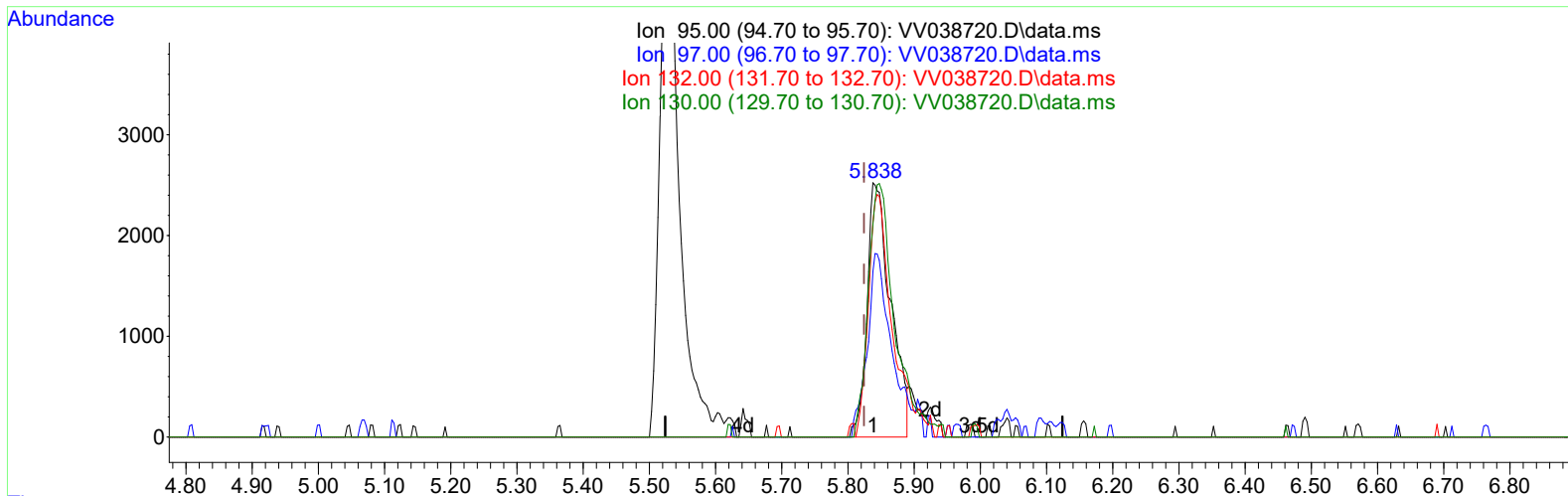
4.162min (+ 0.023) 2.24 ug/L m

response 3802

Ion	Exp%	Act%
128.00	100.00	100.00
49.00	152.50	230.04#
130.00	133.20	119.06
51.00	50.30	79.91#

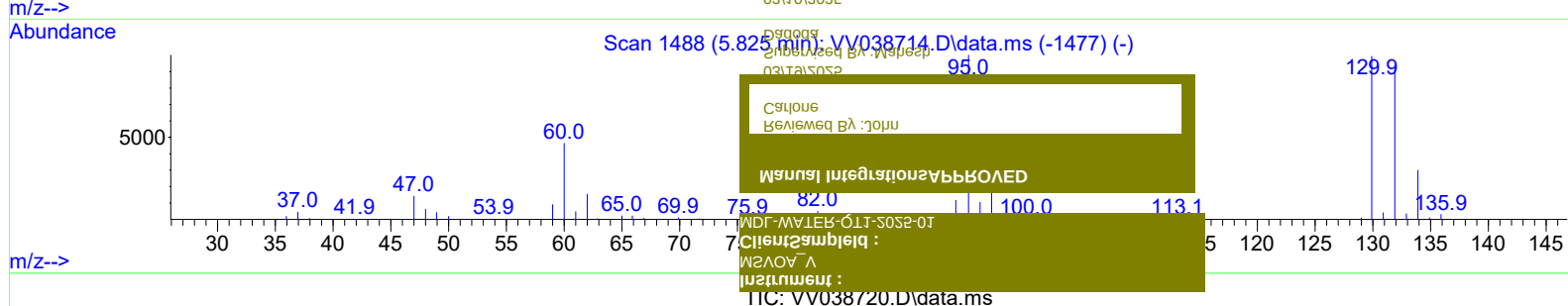
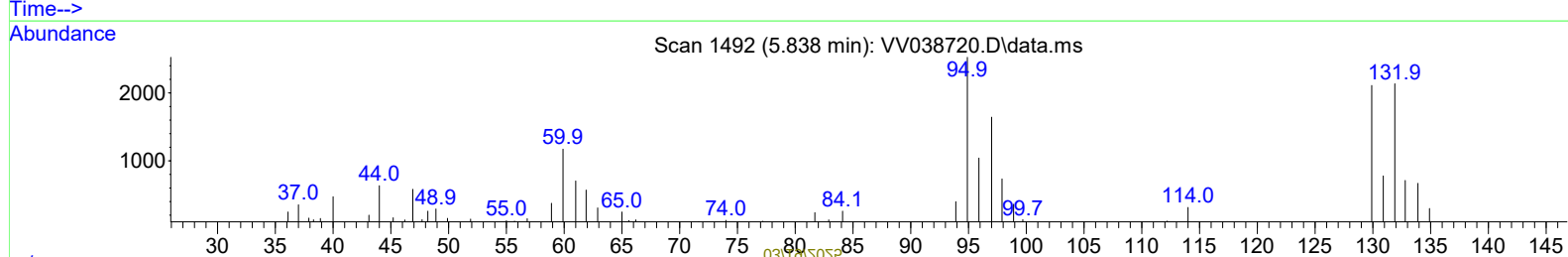
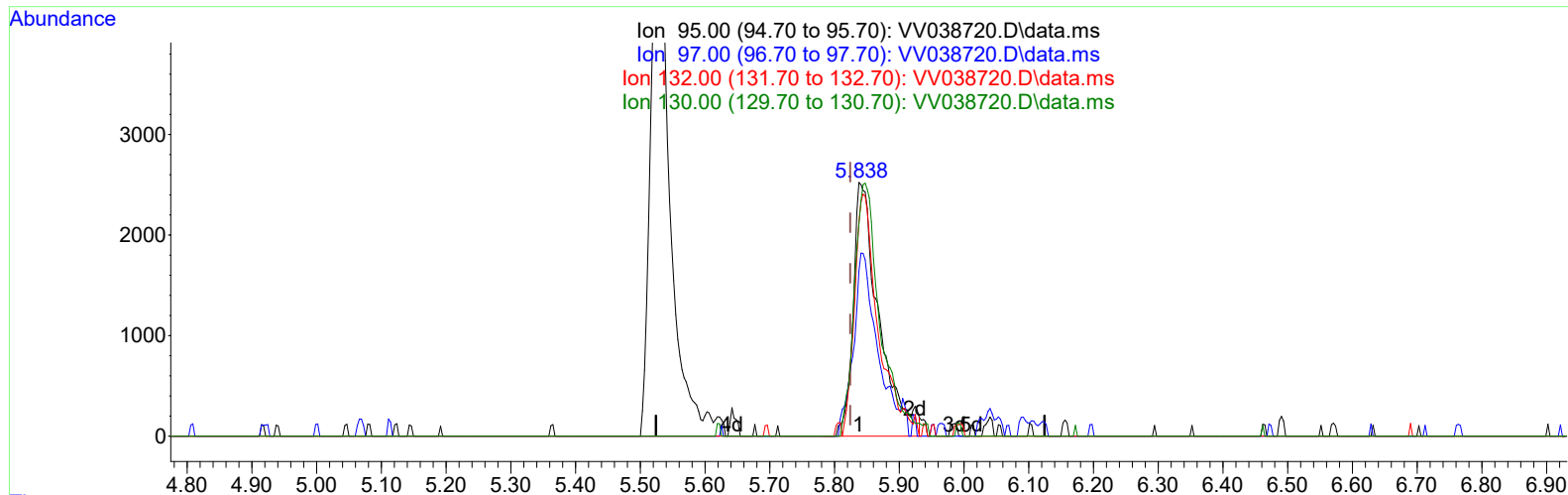
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW031725\
Data File : VW038720.D
Acq On    : 17 Mar 2025  17:06
Operator  : SY/MD
Sample    : Q1546-01
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 12   Sample Multiplier: 1
```

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(34) Trichloroethene (T)

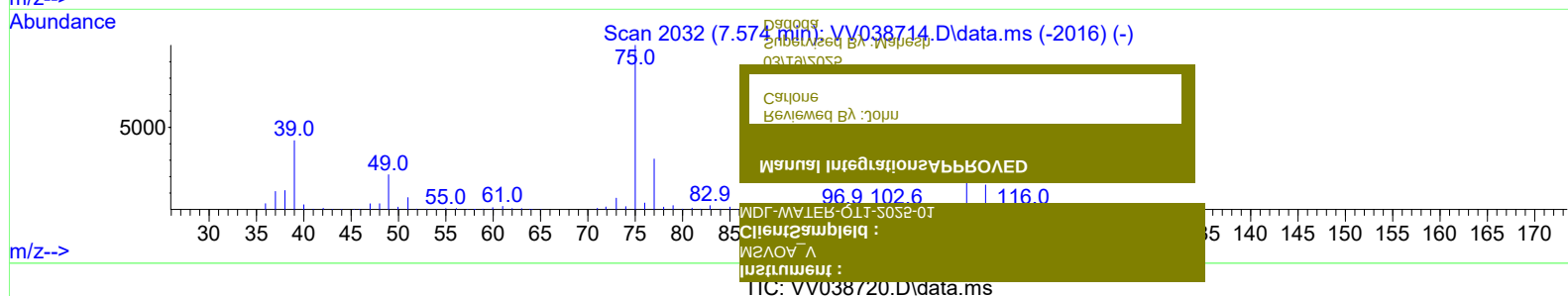
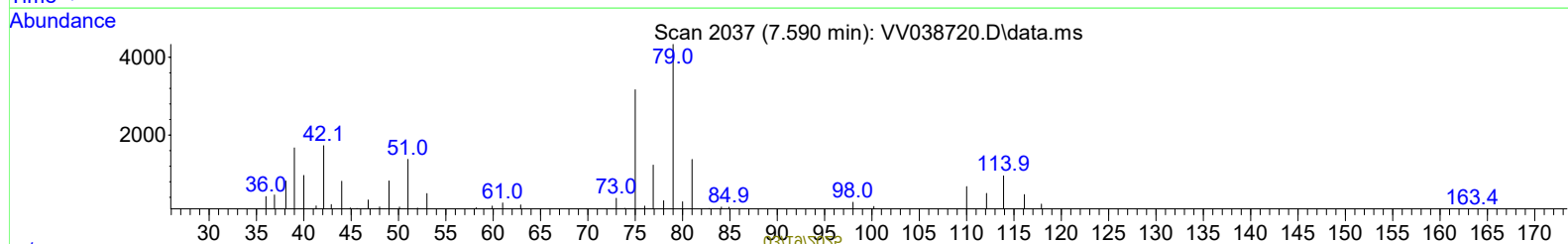
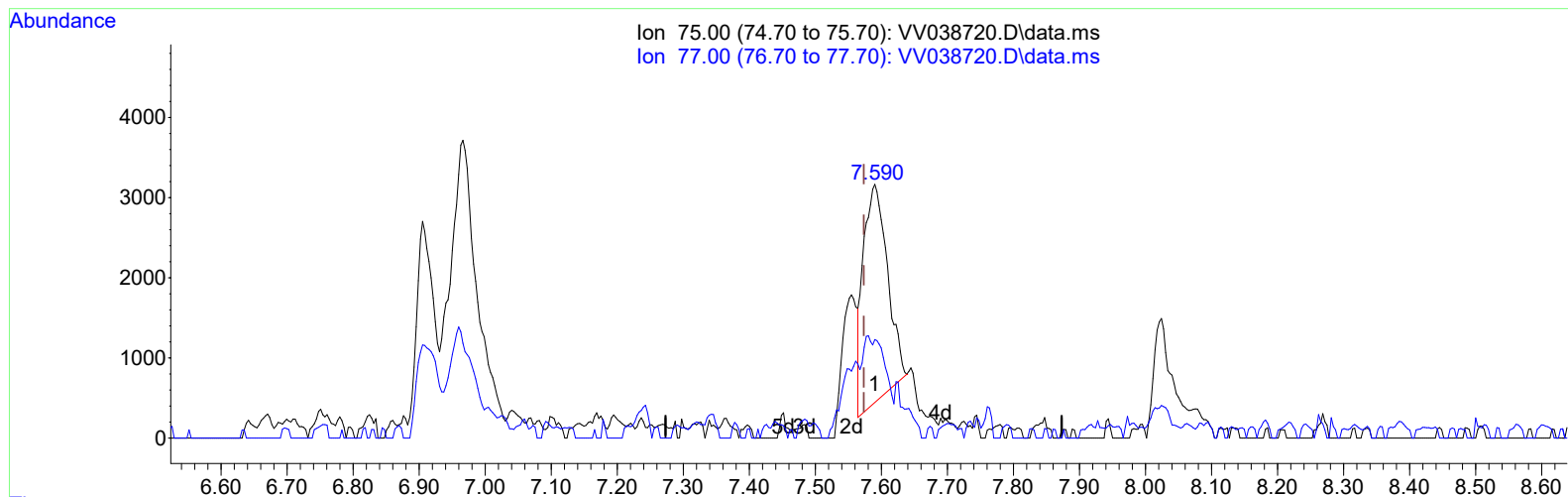
5.838min (+ 0.013) 2.20 ug/L m

response 7008

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	65.20	65.10
132.00	96.60	84.59
130.00	101.20	83.60

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(44) trans-1,3-Dichloropropene (T)

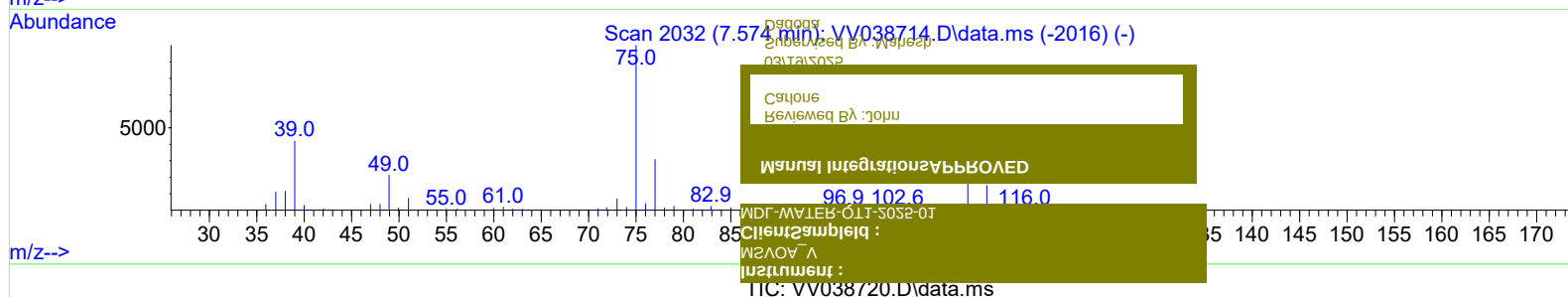
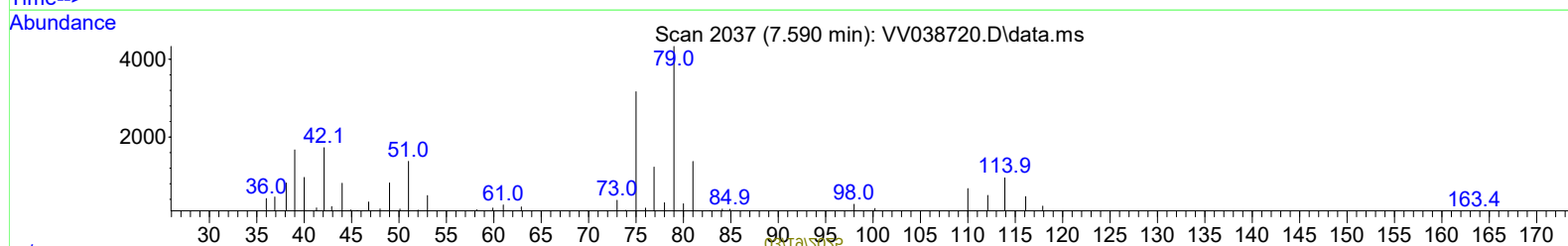
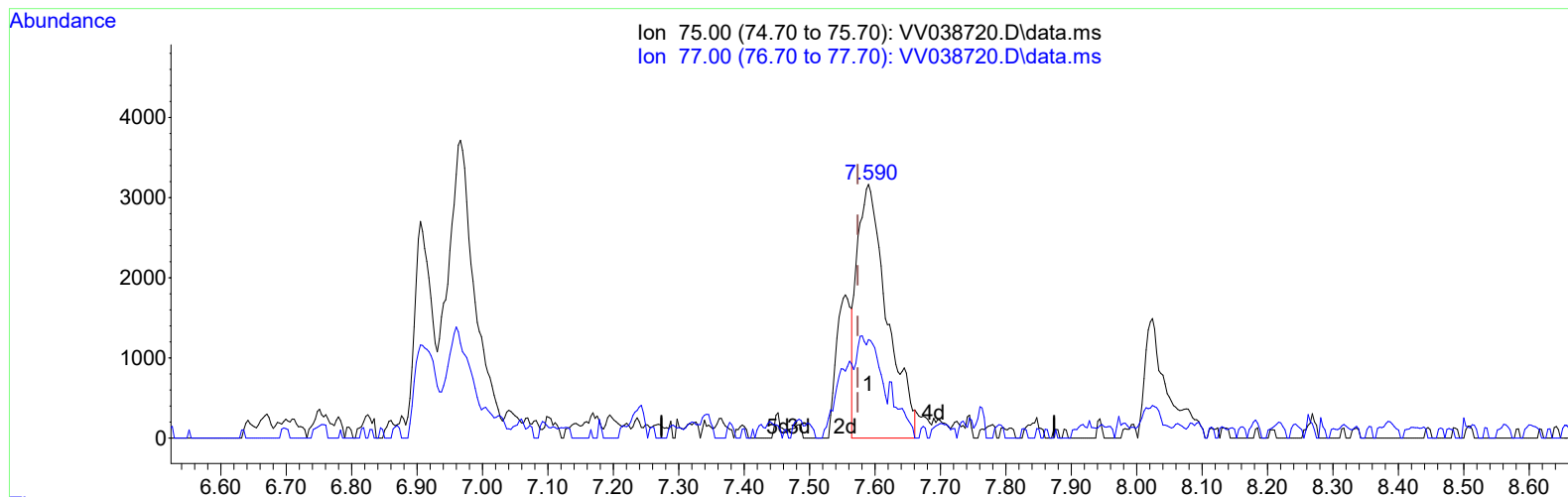
7.590min (+ 0.016) 1.48 ug/L

response 6911

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.40	38.82
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(44) trans-1,3-Dichloropropene (T)

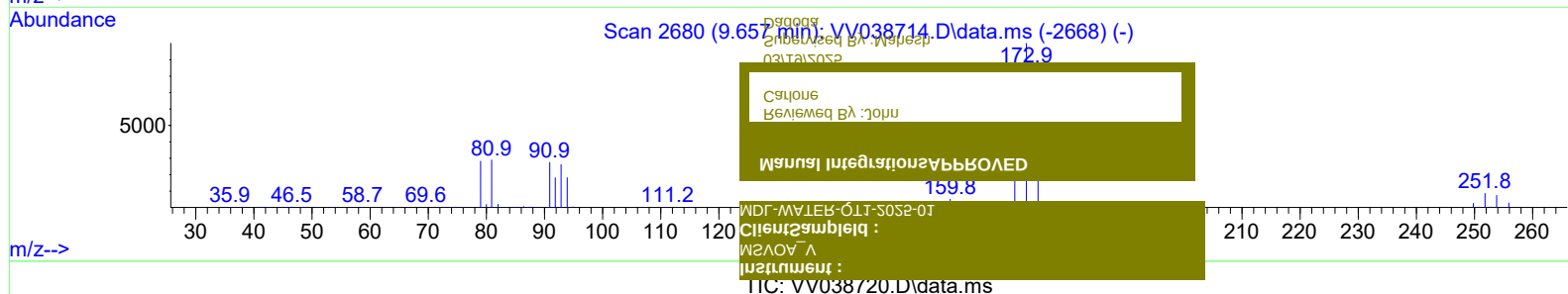
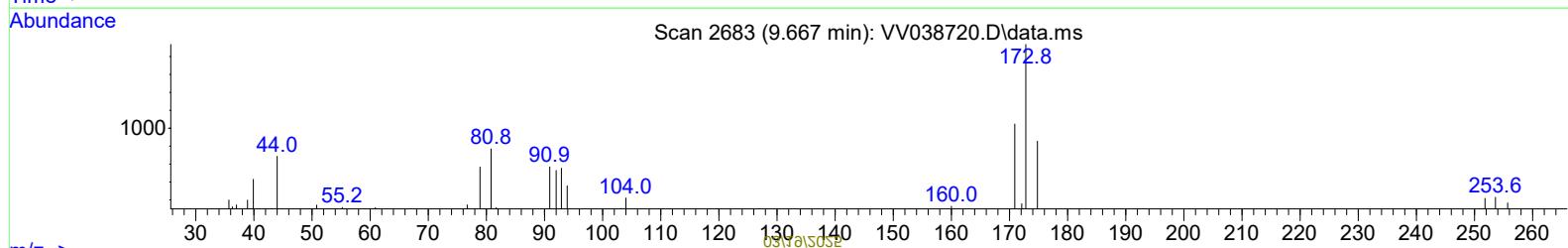
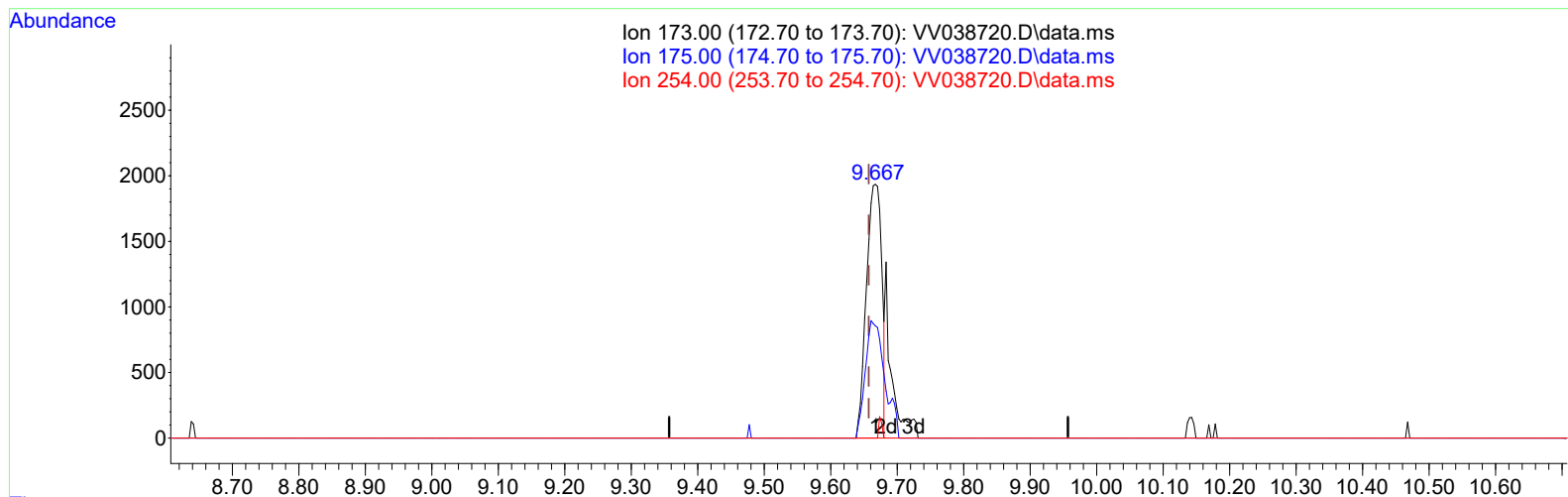
7.590min (+ 0.016) 2.15 ug/L m

response 10069

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.40	38.82
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(59) Bromoform (T)

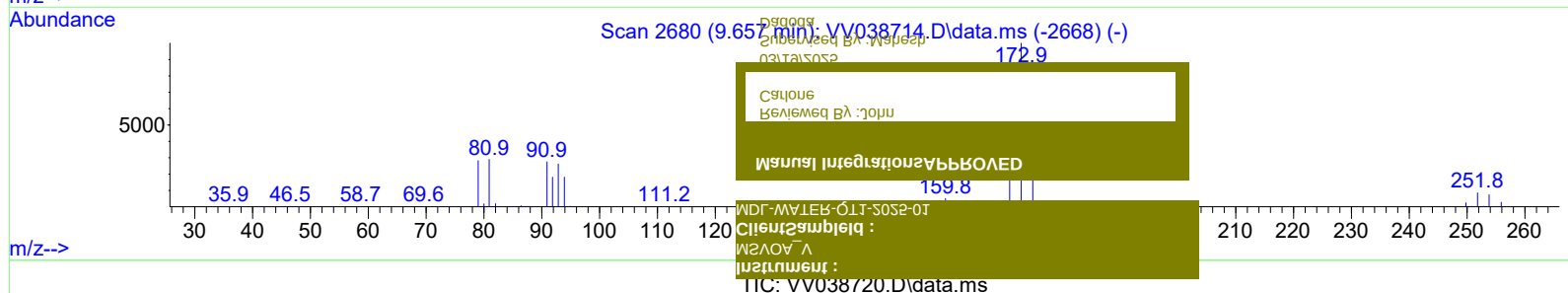
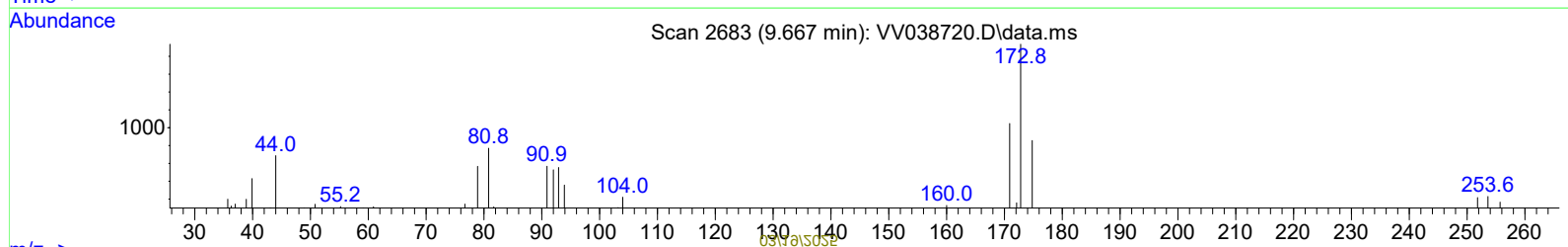
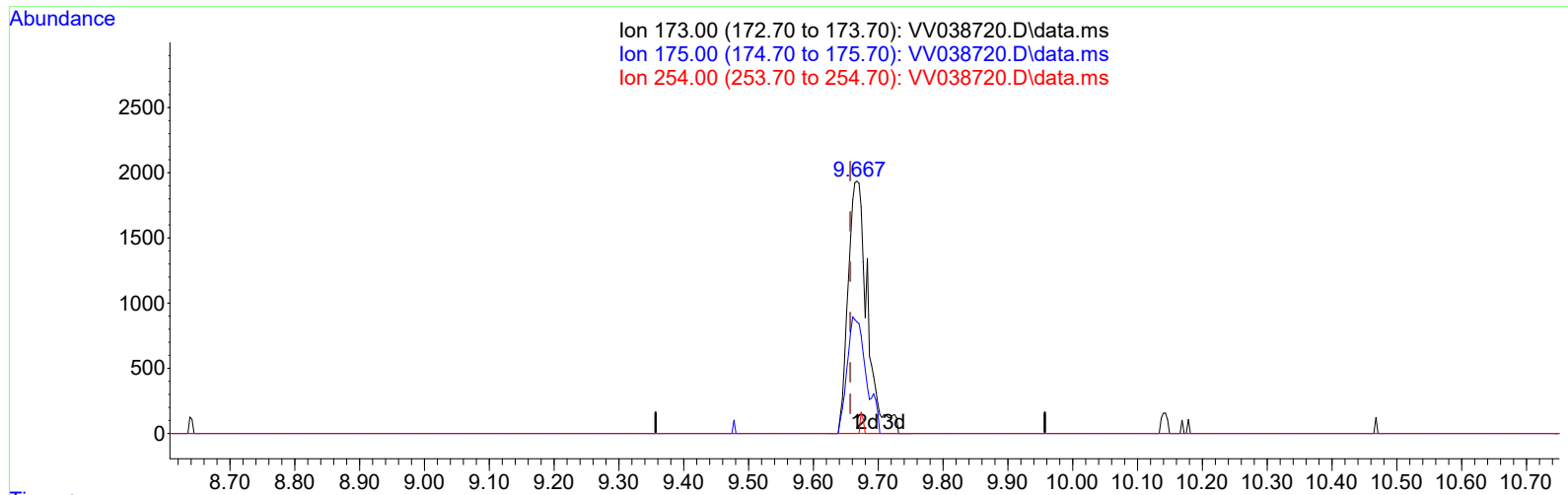
9.667min (+ 0.010) 2.02 ug/L

response 3105

Ion	Exp%	Act%
173.00	100.00	100.00
175.00	48.50	52.30
254.00	8.60	0.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038720.D
Acq On : 17 Mar 2025 17:06
Operator : SY/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
Response via : Initial Calibration



(59) Bromoform (T)

9.667min (+ 0.010) 2.60 ug/L m

response 4004

Ion	Exp%	Act%
173.00	100.00	100.00
175.00	48.50	40.56
254.00	8.60	0.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038720.D
 Acq On : 17 Mar 2025 17:06
 Operator : SY/MD
 Sample : Q1546-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	366591	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	389916	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	165830	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170241	46.13	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.26%	
7) Chloroethane-d5	1.529	69	144709	46.77	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	93.54%	
11) 1,1-Dichloroethene-d2	2.053	65	75198	45.44	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	90.88%	
21) 2-Butanone-d5	3.790	46	112791	84.84	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	84.84%	
24) Chloroform-d	4.240	84	309072	46.32	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.64%	
26) 1,2-Dichloroethane-d4	4.934	65	192552	49.60	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.20%	
32) Benzene-d6	4.950	84	598428	48.47	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.94%	
36) 1,2-Dichloropropane-d6	5.979	67	203437	51.03	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	102.06%	
41) Toluene-d8	7.236	98	503435	46.94	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.88%	
43) trans-1,3-Dichloroprop...	7.548	79	76210	46.59	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	92.78%	
47) 2-Hexanone-d5	8.021	63	71301	86.46	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	109.58%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	227004			
Spiked Amount	50.000	Range 65 - 120	Recovery	=		
66) 1,2-Dichlorobenzene-d4	11.551	152	173439			
Spiked Amount	50.000	Range 80 - 120	Recovery	=		
Target Compounds						
2) Dichlorodifluoromethane	1.108	85	5978			
3) Chloromethane	1.214	50	9144	2.47	ug/L	98
5) Vinyl chloride	1.282	62	8941	2.32	ug/L #	1
6) Bromomethane	1.484	94	4597	2.28	ug/L	98
8) Chloroethane	1.545	64	5506	2.25	ug/L	91
9) Trichlorofluoromethane	1.709	101	10631	2.18	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	8313	2.84	ug/L #	80
12) 1,1-Dichloroethene	2.063	96	7466	2.71	ug/L #	1
13) Acetone	2.111	43	5333	4.08	ug/L	94
14) Carbon disulfide	2.237	76	20106	2.35	ug/L	98
15) Methyl Acetate	2.391	43	5306m	2.03	ug/L	
17) trans-1,2-Dichloroethene	2.696	96	6371	2.20	ug/L	93
18) Methyl tert-butyl Ether	2.700	73	15764	1.94	ug/L #	89
19) 1,1-Dichloroethane	3.108	63	13327	2.19	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	6410	2.02	ug/L	81
22) 2-Butanone	3.957	43	10756m	7.00	ug/L	
23) Bromochloromethane	4.162	128	3802m	2.24	ug/L	
27) 1,2-Dichloroethane	5.056	62	8975	2.05	ug/L	95
29) Cyclohexane	4.574	56	8854	1.85	ug/L #	83

03/18/2025
 03:15:05
 2025-03-18 03:15:05
 03/18/2025

CAUTION
 BEARING BY : JOMU

Main Unit Integrations APPROVED

MDT-MATEB-01T-S052-01

Client Sample :

MSVOA_V

Instrument :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038720.D
 Acq On : 17 Mar 2025 17:06
 Operator : SY/MD
 Sample : Q1546-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.507	97	10575	2.12	ug/L #	80
31) Carbon tetrachloride	4.732	117	9216	2.15	ug/L	94
33) Benzene	5.011	78	24640	1.99	ug/L	100
34) Trichloroethene	5.838	95	7008m	2.20	ug/L	
35) Methylcyclohexane	6.040	83	7760	1.66	ug/L	89
37) 1,2-Dichloropropane	6.098	63	6365	1.84	ug/L #	96
38) Bromodichloromethane	6.439	83	9697	2.13	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	9712	1.97	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	8435	2.75	ug/L #	91
42) Toluene	7.320	91	25575	2.02	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	10069m	2.15	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	6359	1.95	ug/L	92
46) Tetrachloroethene	7.905	164	4756	2.10	ug/L	94
48) 2-Hexanone	8.088	43	11024	5.19	ug/L #	85
49) Dibromochloromethane	8.172	129	7020	2.16	ug/L	99
50) 1,2-Dibromoethane	8.285	107	7027	2.22	ug/L	96
51) Chlorobenzene	8.812	112	18997	2.20	ug/L	94
52) Ethylbenzene	8.947	91	25331	1.81	ug/L	96
53) m,p-Xylene	9.072	106	8491	1.68	ug/L	85
54) o-Xylene	9.477	106	8065	1.64	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.169	83	11260	2.32	ug/L #	96
59) Bromoform	9.667	173	4004m	2.60	ug/L	
60) Isopropylbenzene	9.863	105	20287	1.94	ug/L #	95
61) 1,2,3-Trichloropropane	10.204	75	7717	2.79	ug/L #	85
62) 1,3,5-Trimethylbenzene	10.471	105	15167	1.88	ug/L	95
63) 1,2,4-Trimethylbenzene	10.850	105	14738	1.80	ug/L	94
64) 1,3-Dichlorobenzene	11.120	146	11310	2.24	ug/L	95
65) 1,4-Dichlorobenzene	11.201	146	12523			
67) 1,2-Dichlorobenzene	11.571	146	13903			
68) 1,2-Dibromo-3-chloropr...	12.374	75	2101			
69) 1,3,5-Trichlorobenzene	12.580	180	7309			
70) 1,2,4-trichlorobenzene	13.201	180	5343	2.02	ug/L	98
71) Naphthalene	13.448	128	13027			
72) 1,2,3-Trichlorobenzene	13.677	180	5617			

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