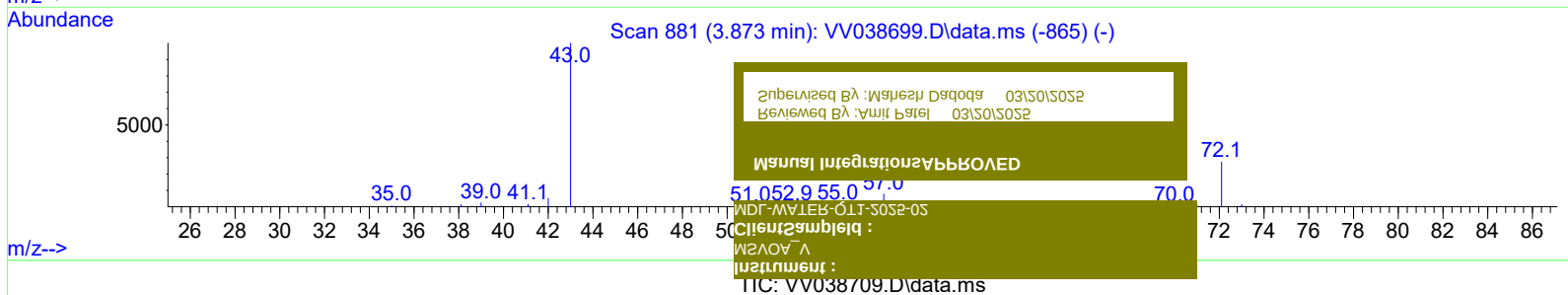
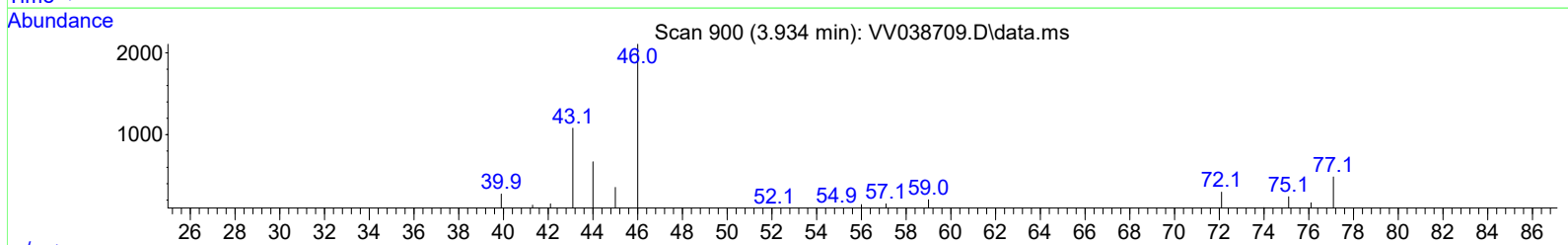
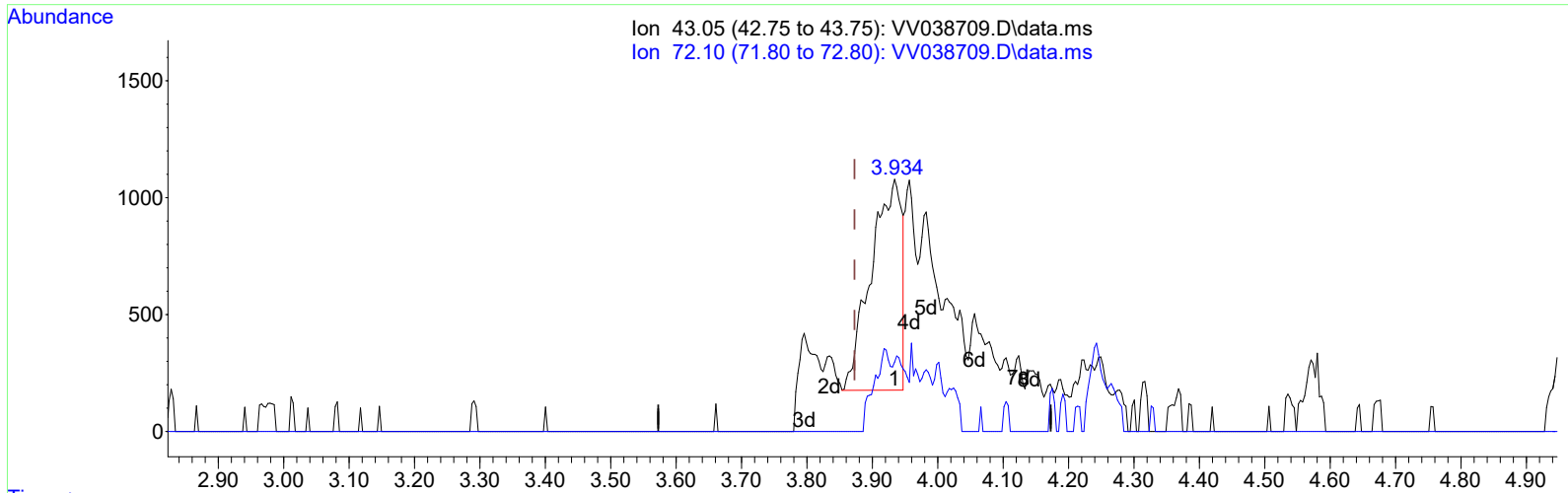


Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(21) 2-Butanone (T)

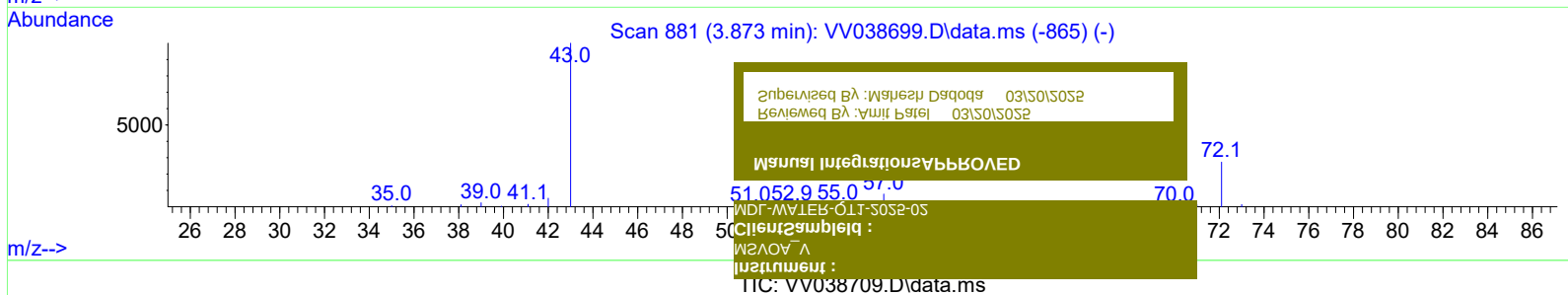
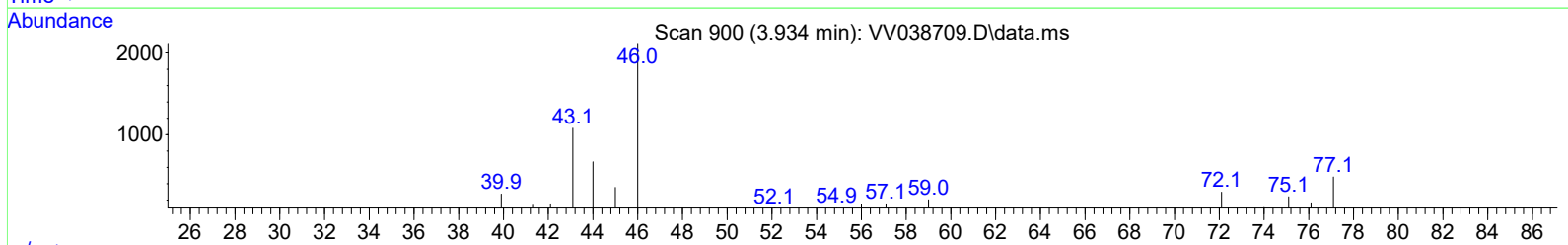
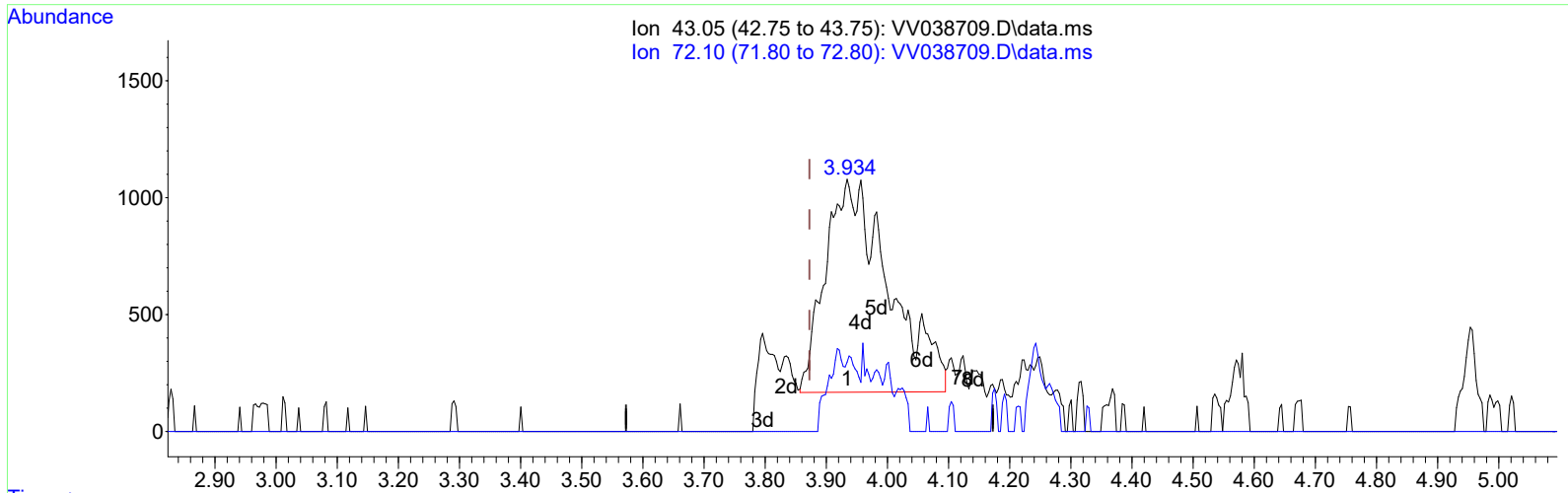
3.934min (+ 0.061) 1.11 ug/L

response 2919

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	23.70	14.46
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(21) 2-Butanone (T)

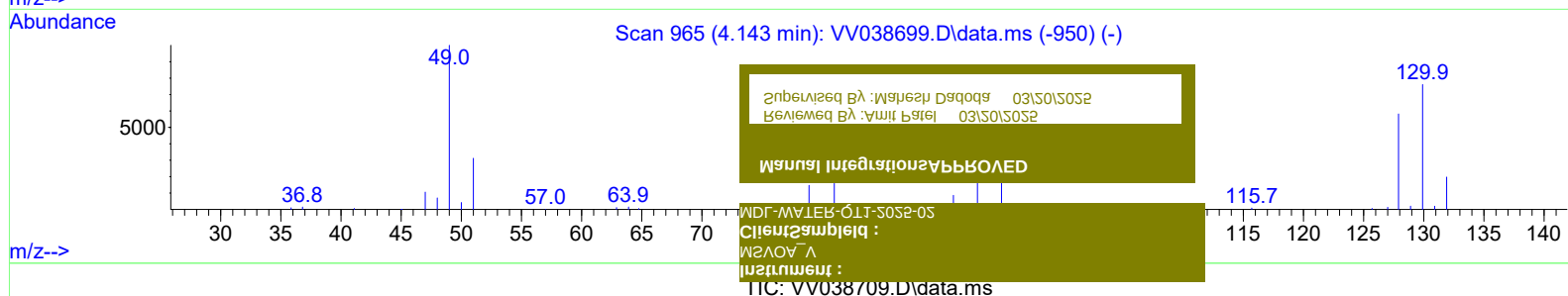
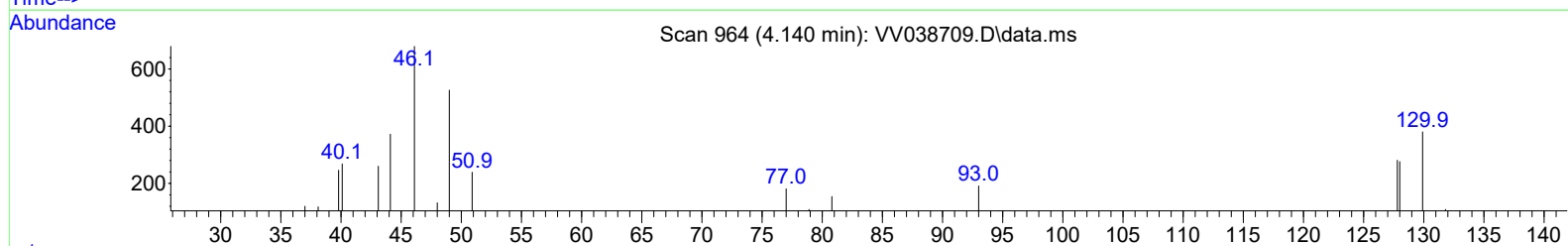
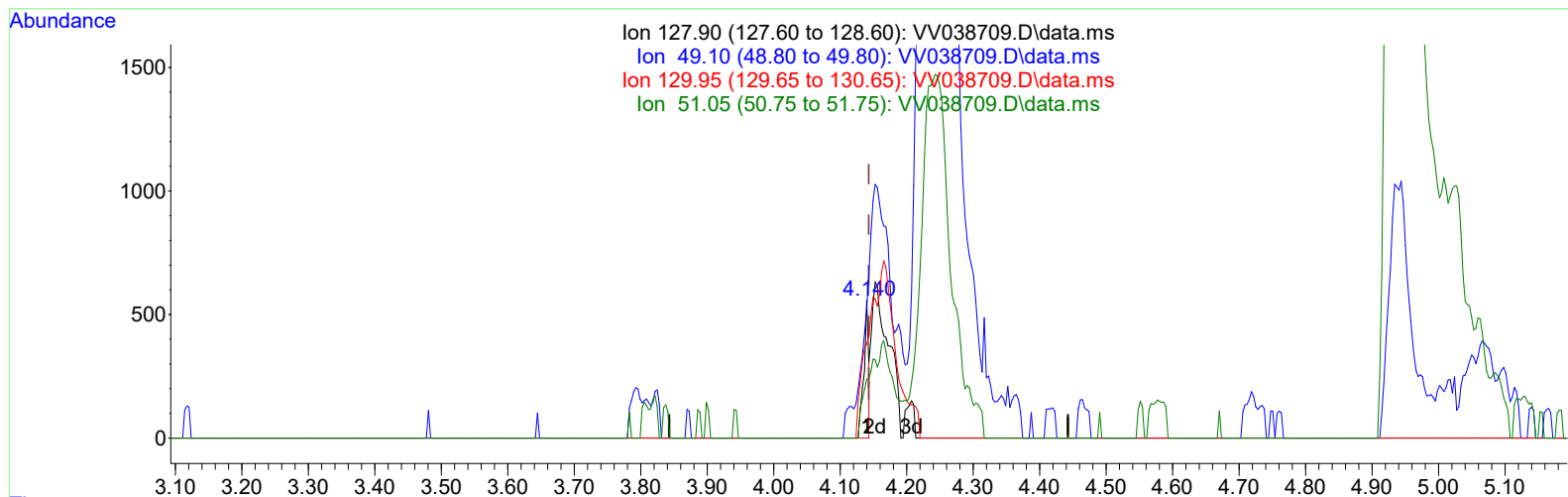
3.934min (+ 0.061) 2.51 ug/L m

response 6573

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	23.70	6.42#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(23) Bromochloromethane (T)

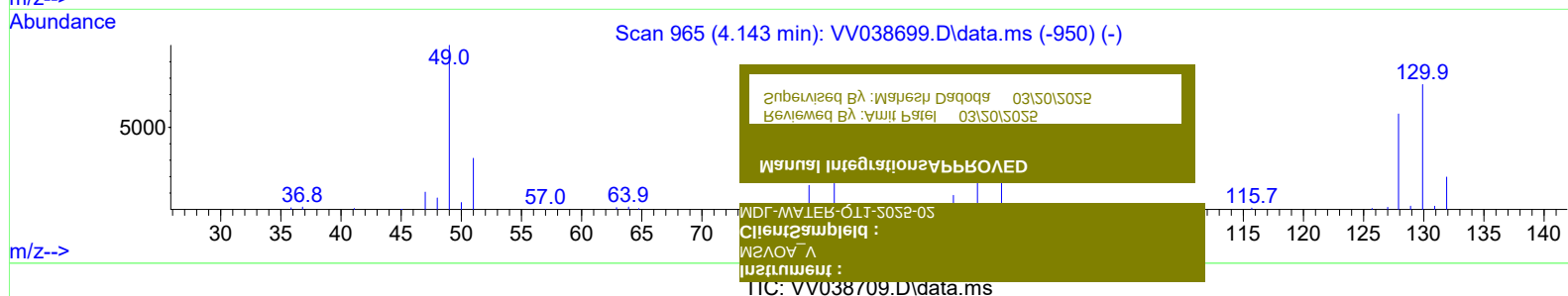
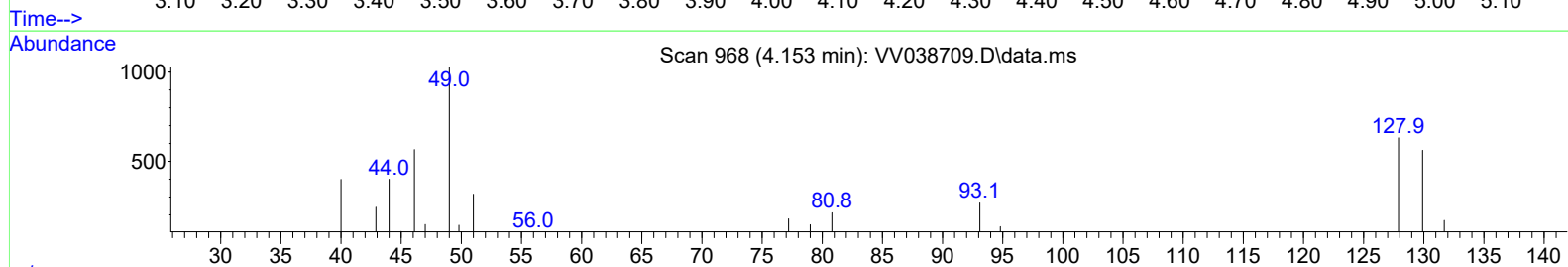
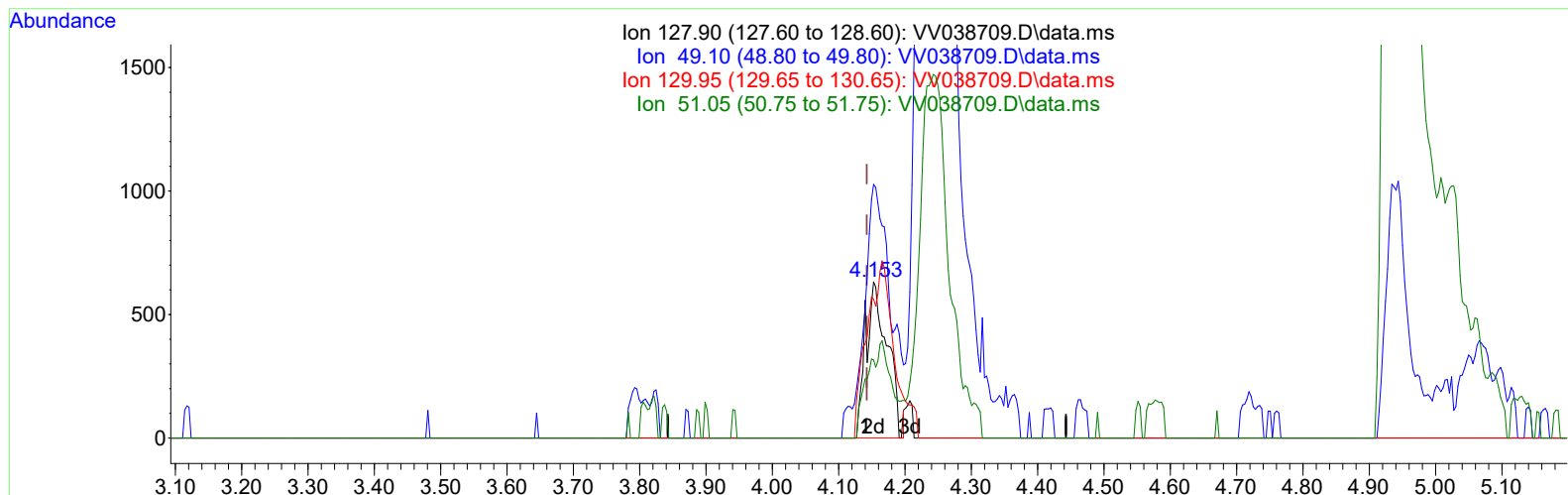
4.140min (-0.003) 0.05 ug/L

response 280

Ion	Exp%	Act%
127.90	100.00	100.00
49.10	165.70	94.43#
129.95	128.90	68.22#
51.05	54.30	42.91#

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(23) Bromochloromethane (T)

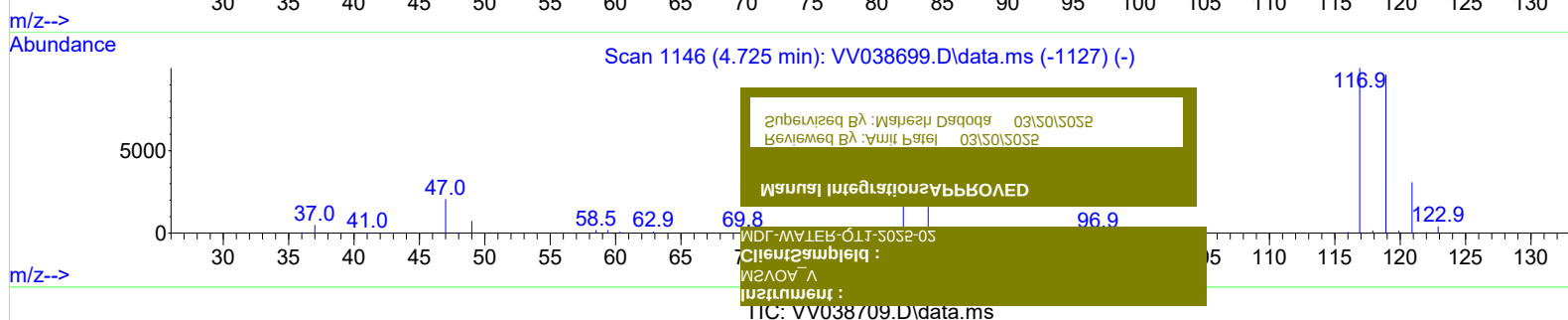
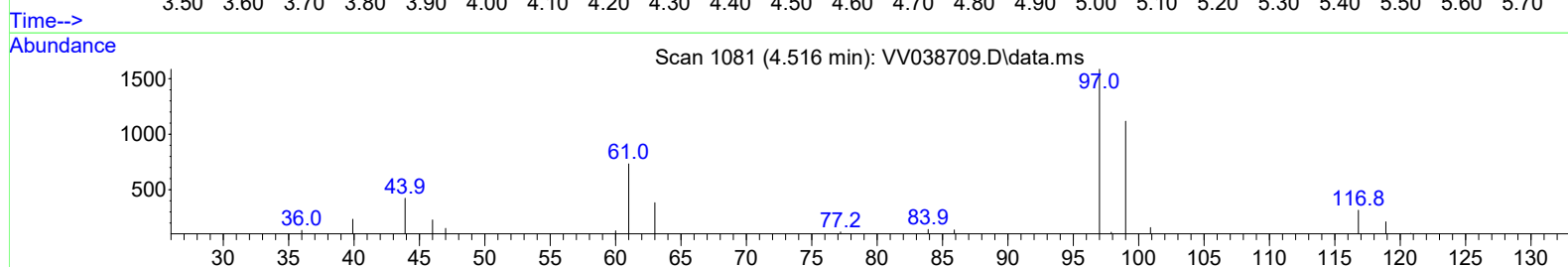
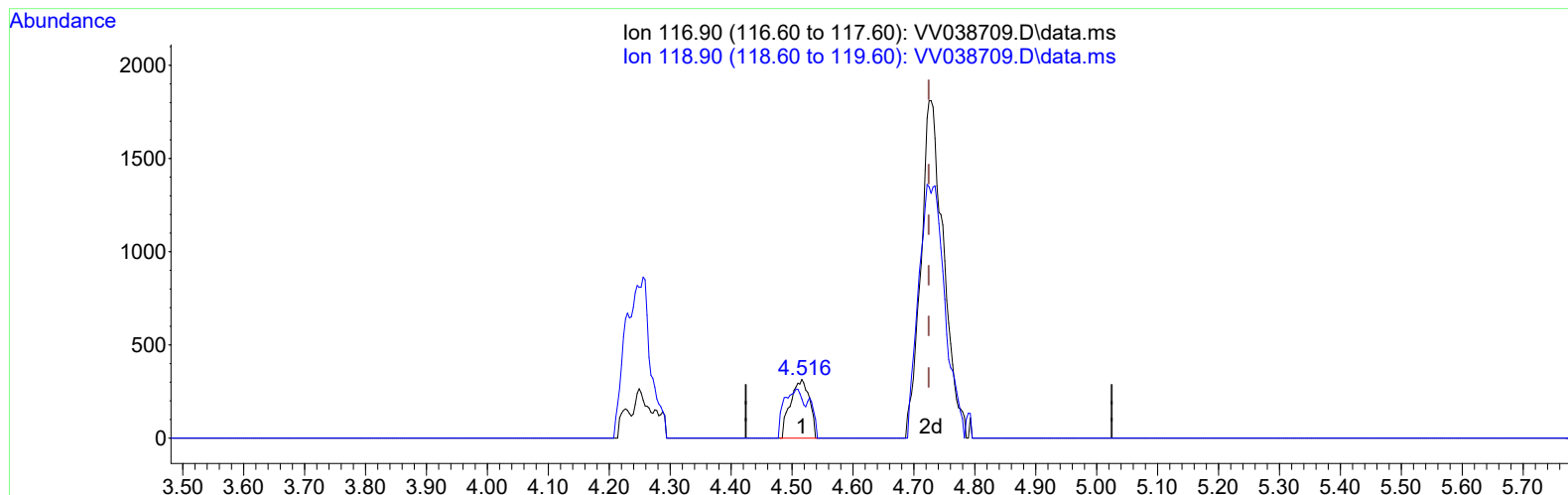
4.153min (+ 0.010) 0.24 ug/L m

response 1433

Ion	Exp%	Act%
127.90	100.00	100.00
49.10	165.70	162.50
129.95	128.90	88.92#
51.05	54.30	50.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(31) Carbon tetrachloride (T)

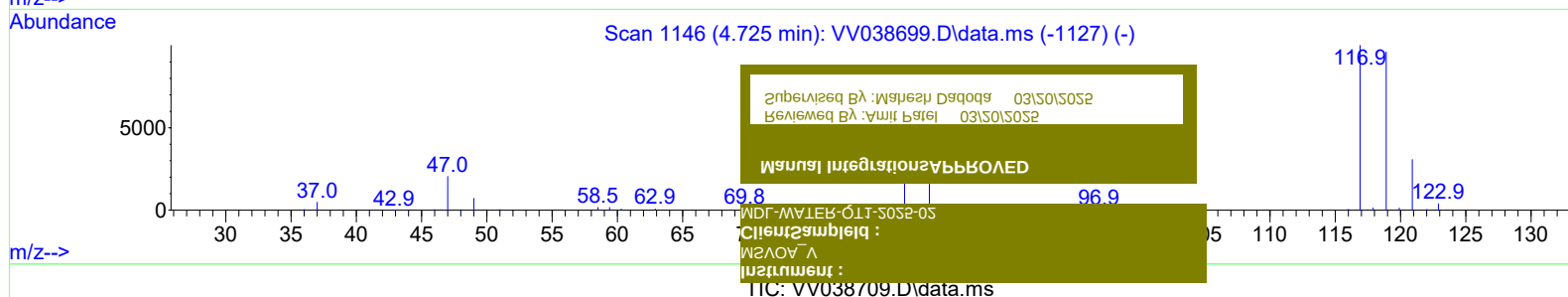
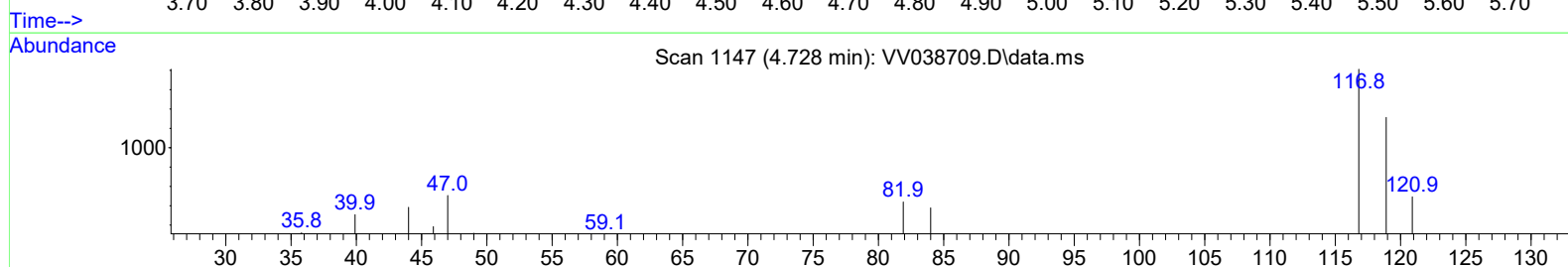
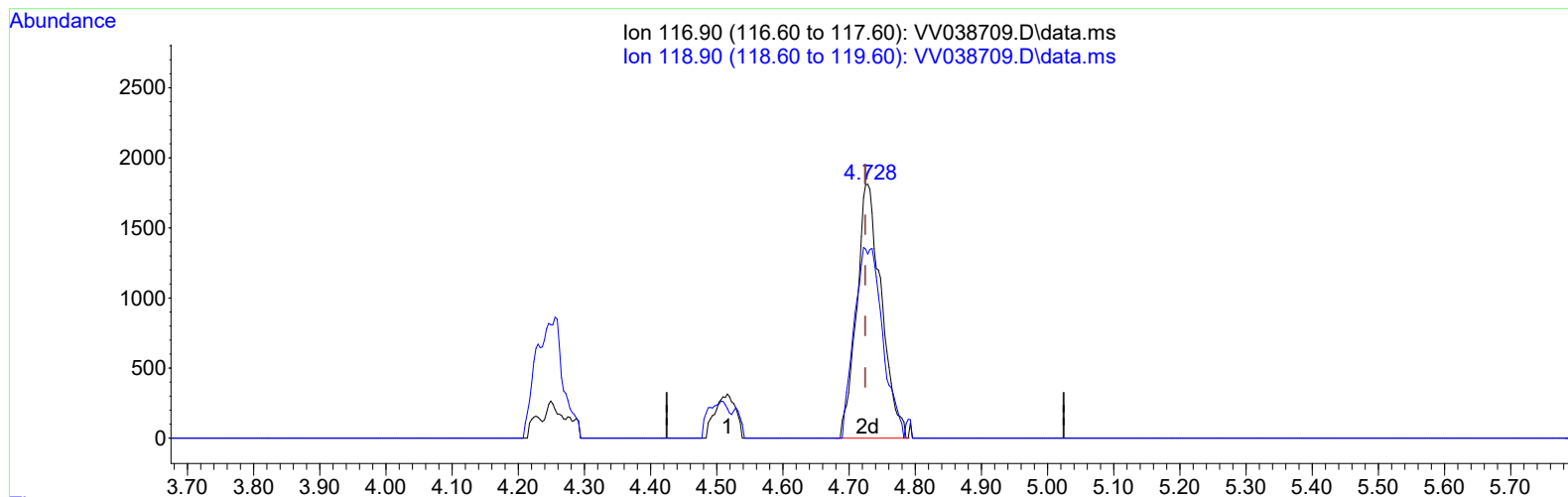
4.516min (-0.209) 0.03 ug/L

response 677

Ion	Exp%	Act%
116.90	100.00	100.00
118.90	95.60	85.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



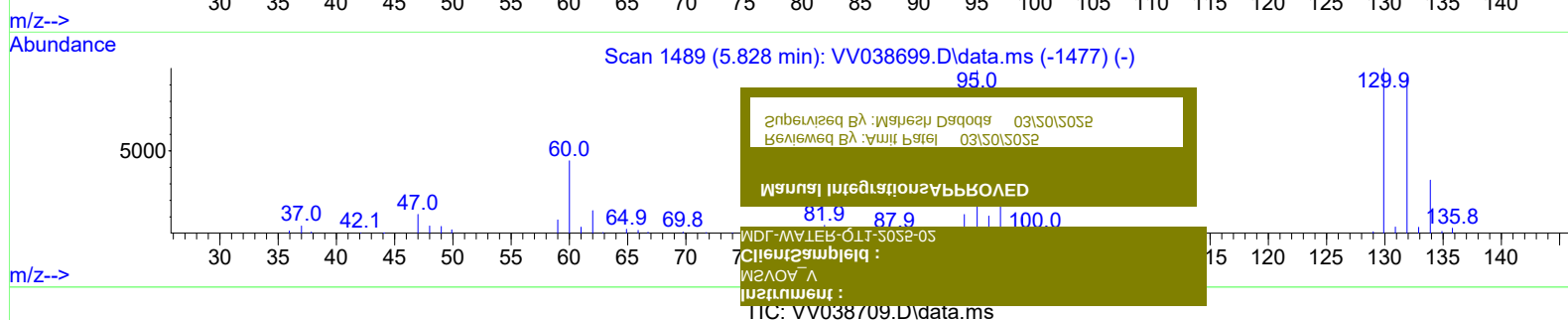
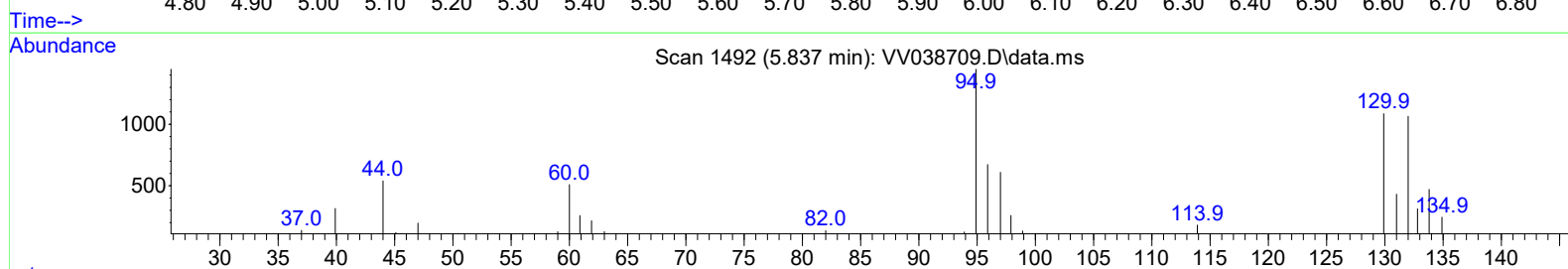
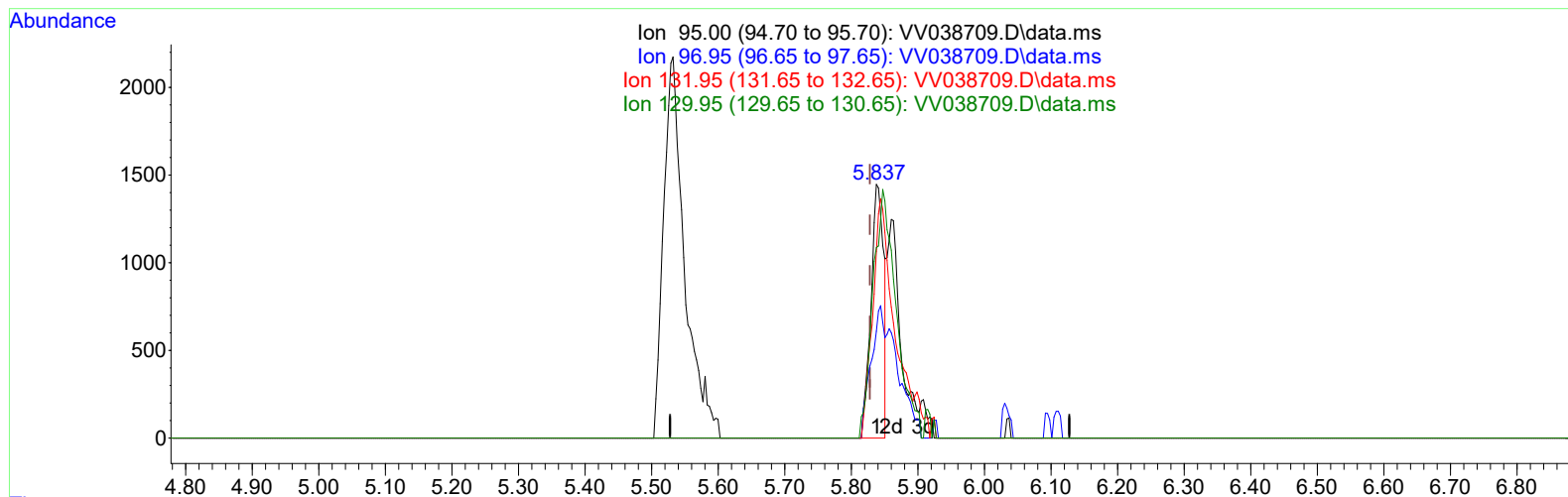
(31) Carbon tetrachloride (T)

4.728min (+ 0.003) 0.24 ug/L m

response	4683	
Ion	Exp%	Act%
116.90	100.00	100.00
118.90	95.60	12.34#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(34) Trichloroethene (T)

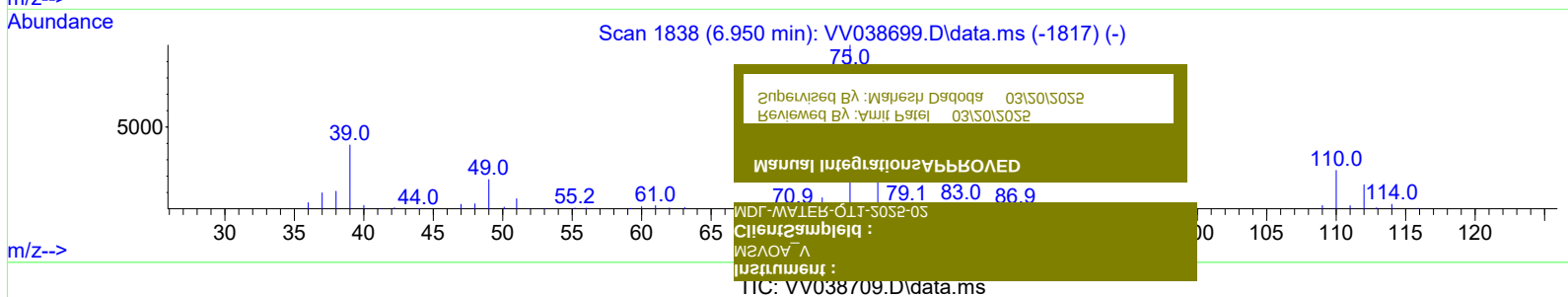
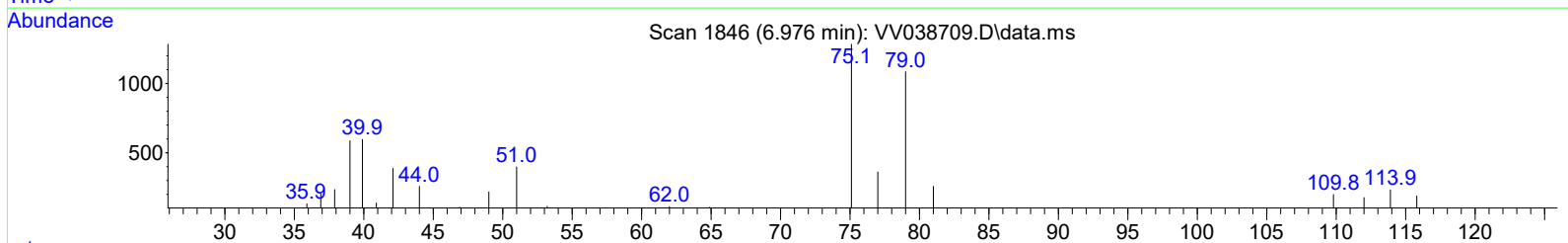
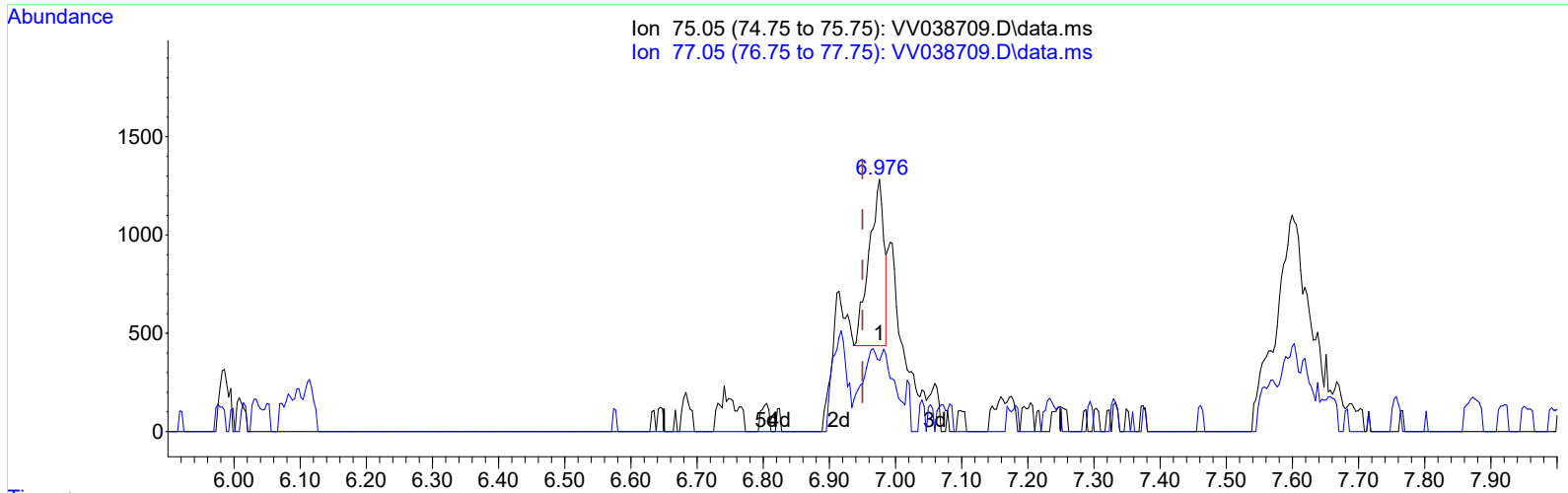
5.837min (+ 0.010) 0.14 ug/L

response 1911

Ion	Exp%	Act%
95.00	100.00	100.00
96.95	62.20	42.09#
131.95	91.40	73.53
129.95	95.60	75.05

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(39) cis-1,3-Dichloropropene (T)

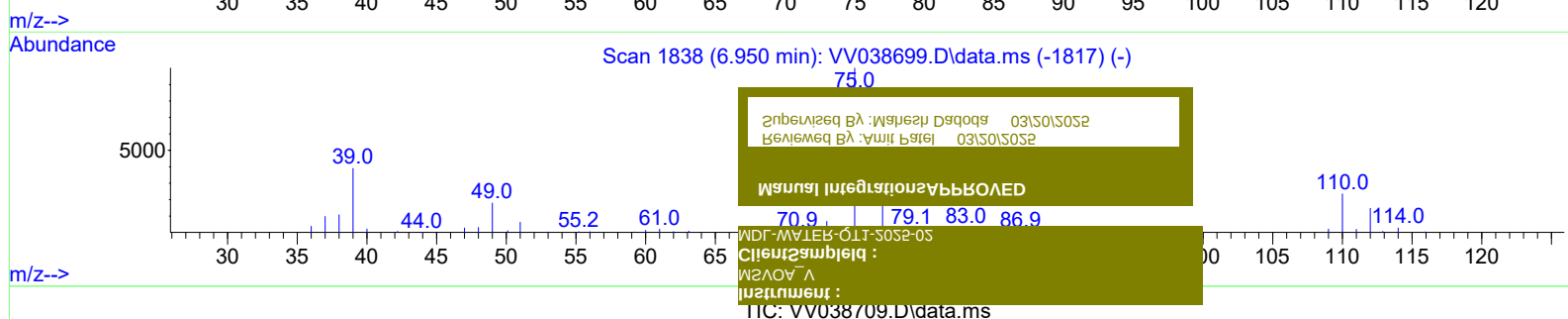
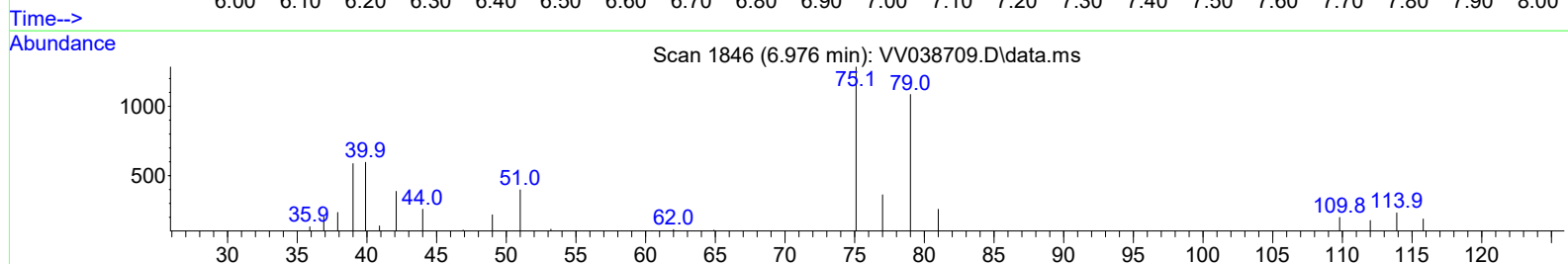
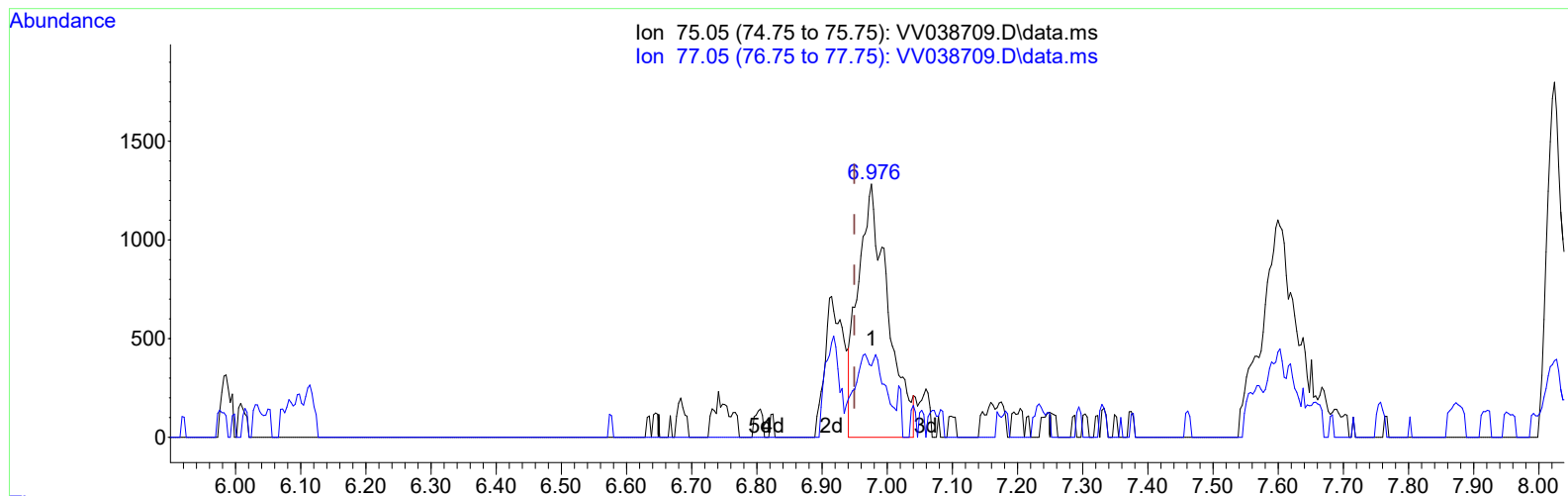
6.976min (+ 0.026) 0.08 ug/L

response 1313

Ion	Exp%	Act%
75.05	100.00	100.00
77.05	30.40	28.22
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(39) cis-1,3-Dichloropropene (T)

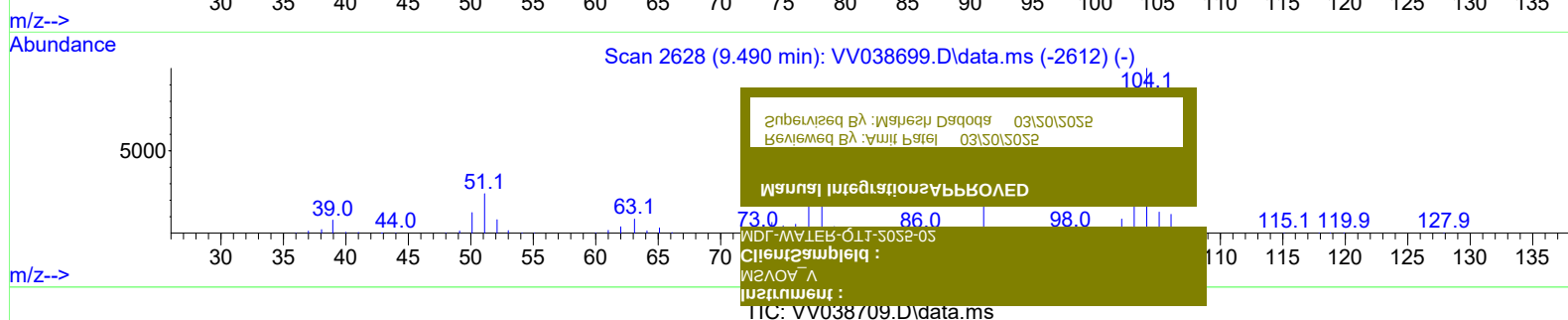
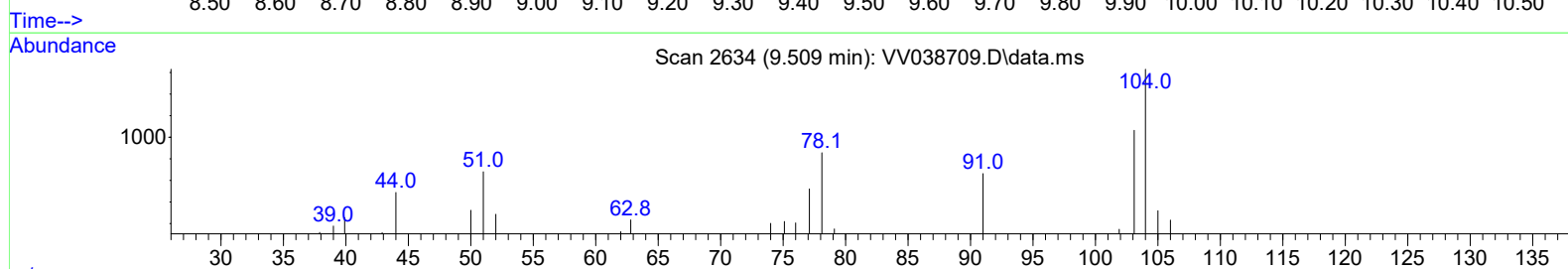
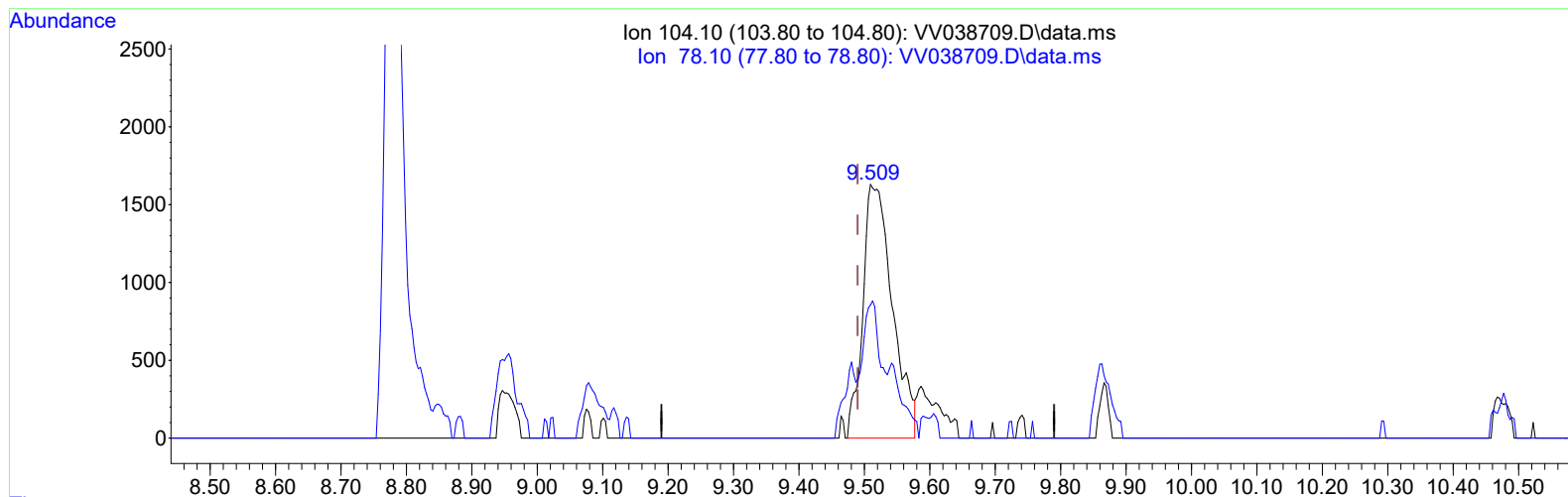
6.976min (+ 0.026) 0.23 ug/L m

response 4051

Ion	Exp%	Act%
75.05	100.00	100.00
77.05	30.40	28.22
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(55) Styrene (T)

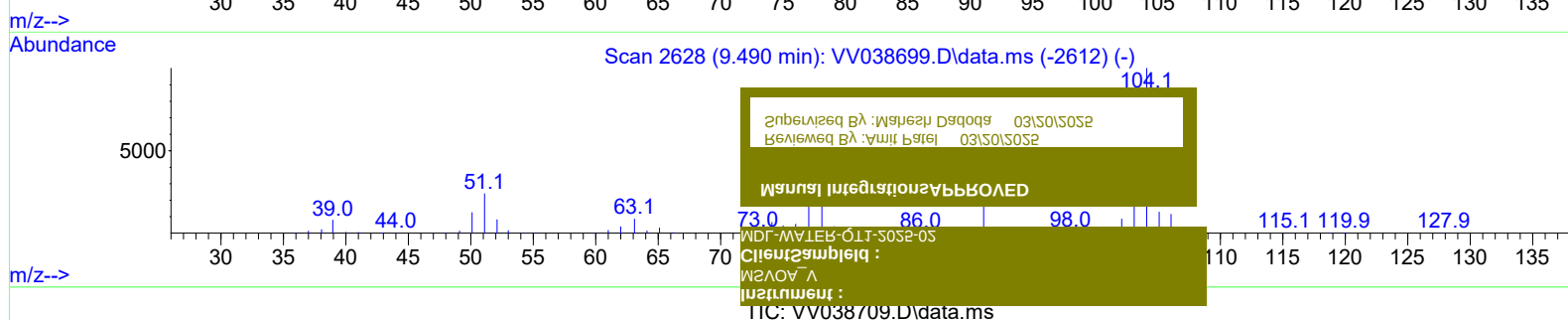
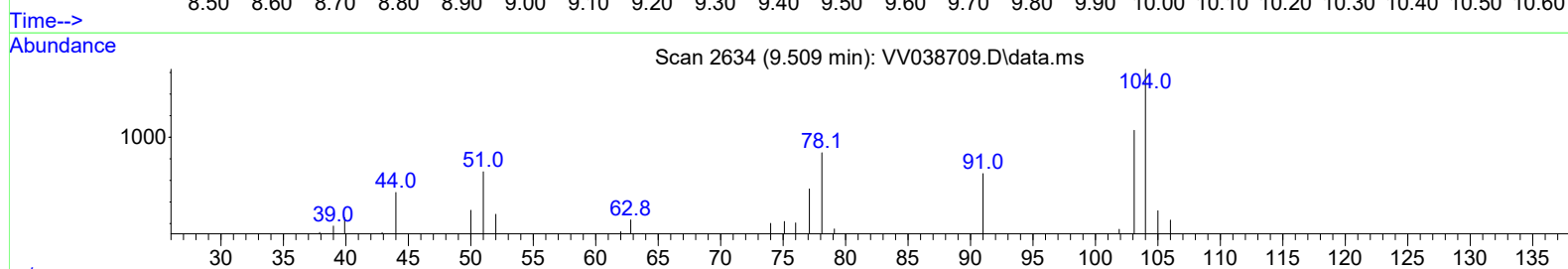
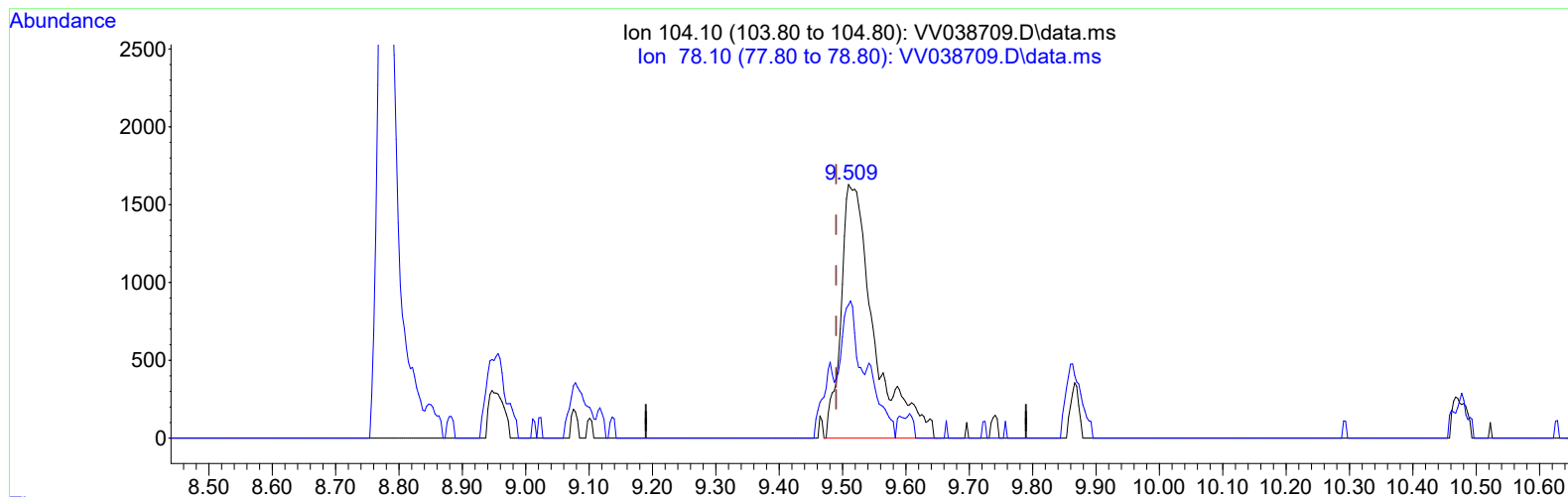
9.509min (+ 0.019) 0.15 ug/L

response 5120

Ion	Exp%	Act%
104.10	100.00	100.00
78.10	43.60	52.52
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(55) Styrene (T)

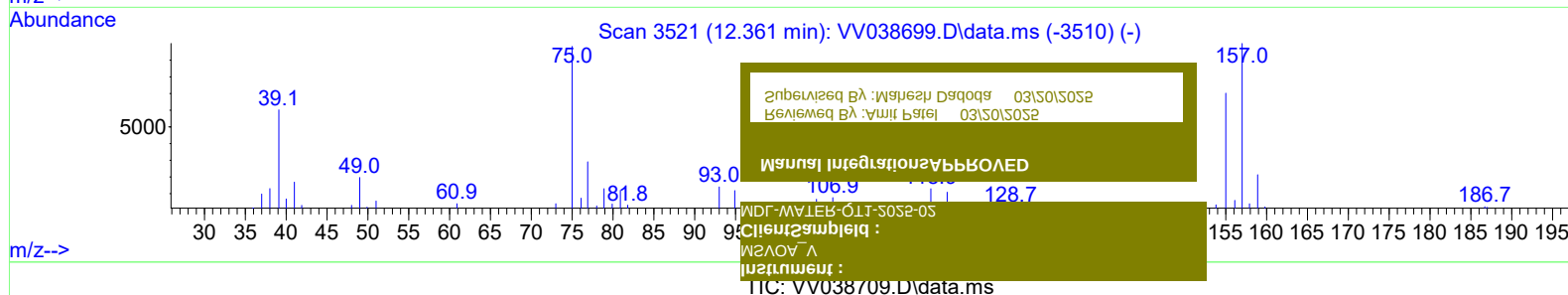
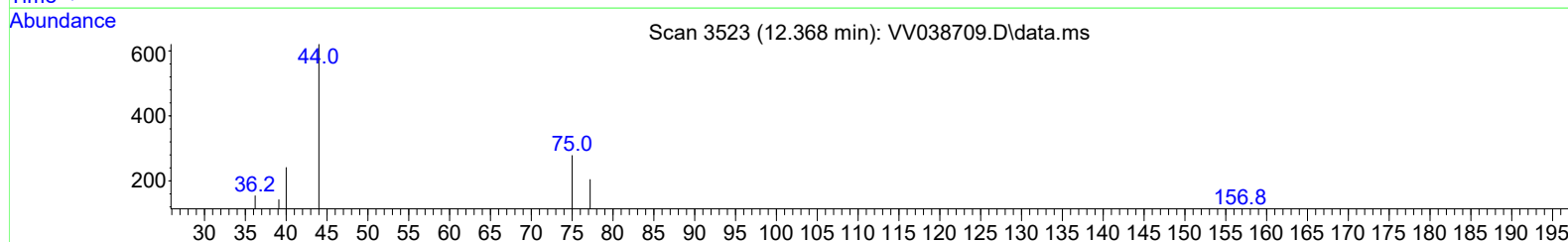
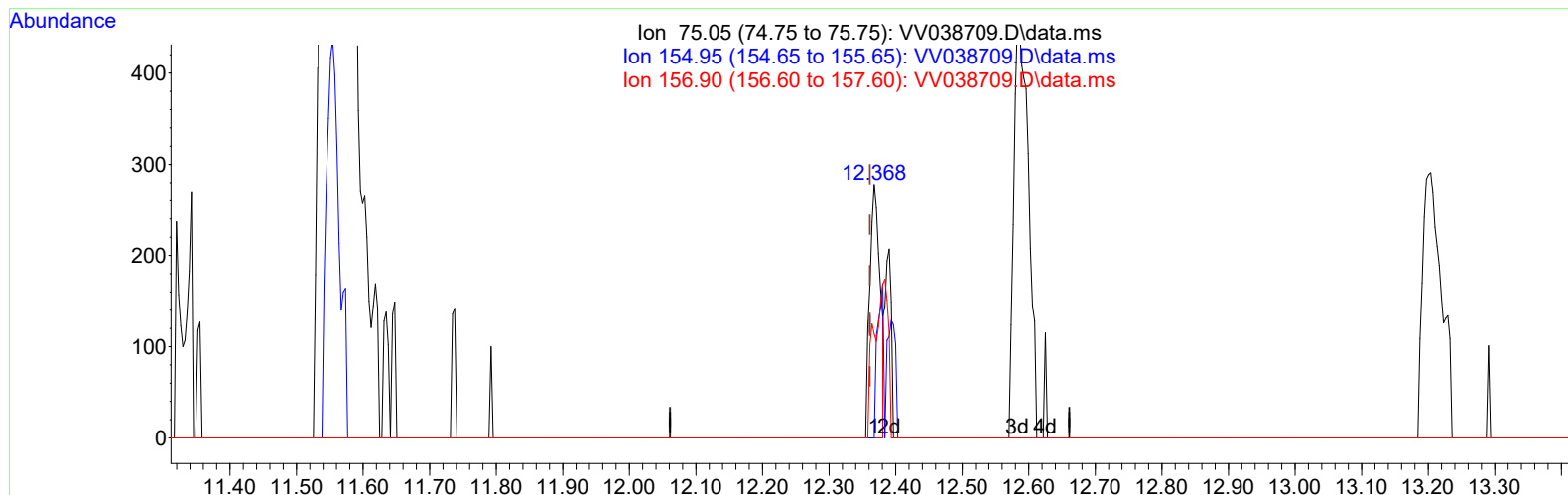
9.509min (+ 0.019) 0.18 ug/L m

response 5909

Ion	Exp%	Act%
104.10	100.00	100.00
78.10	43.60	52.52
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(68) 1,2-Dibromo-3-chloropropane (T)

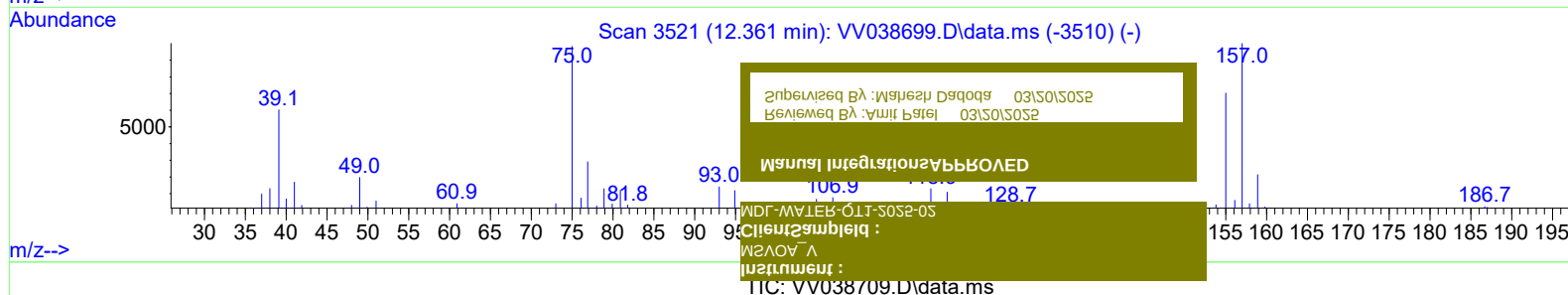
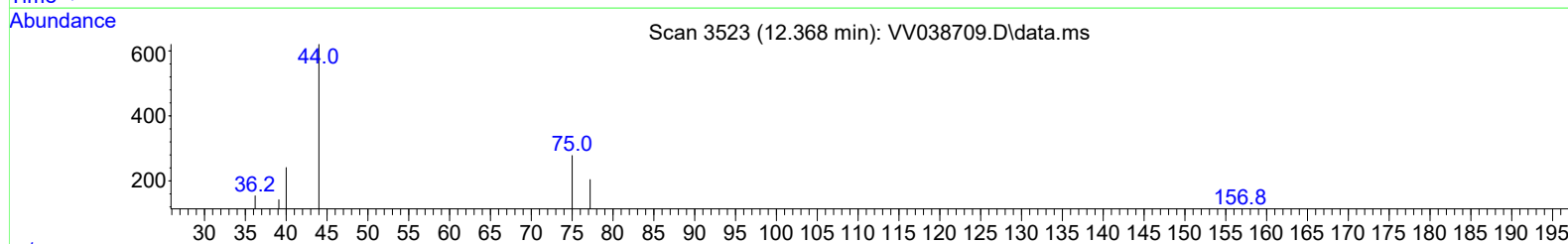
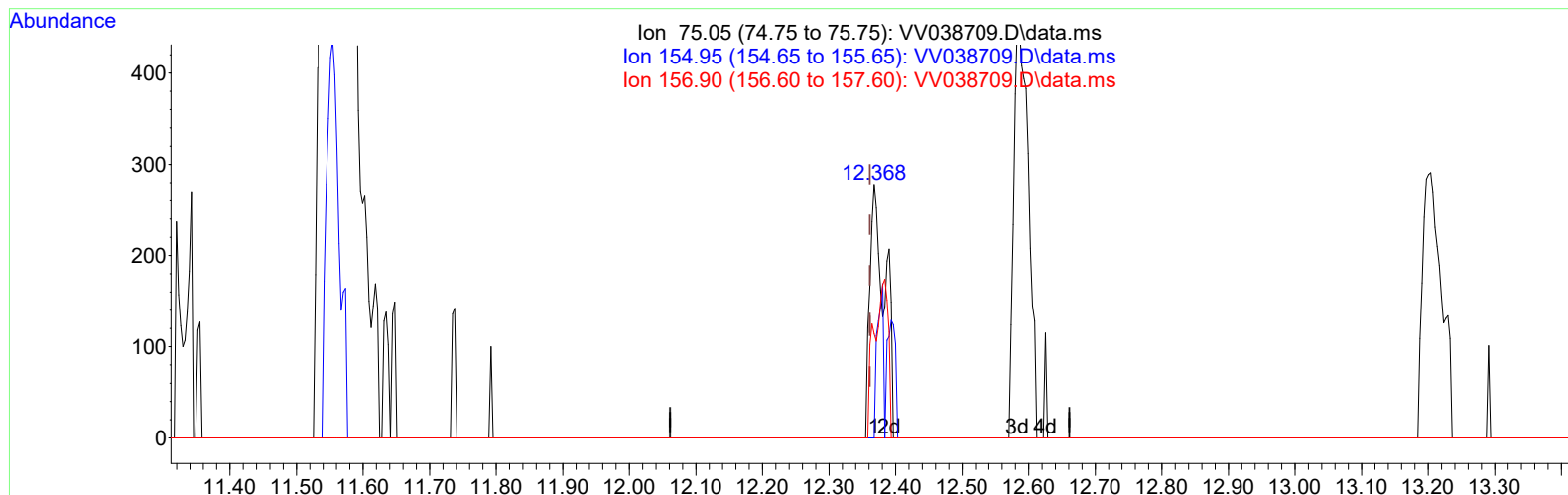
12.368min (+ 0.006) 0.21 ug/L

response 299

Ion	Exp%	Act%
75.05	100.00	100.00
154.95	75.40	0.00#
156.90	96.10	41.01#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
Data File : VV038709.D
Acq On : 14 Mar 2025 10:43
Operator : SY/MD
Sample : Q1546-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 13 13:15:04 2025
Response via : Initial Calibration



(68) 1,2-Dibromo-3-chloropropane (T)

12.368min (+ 0.006) 0.31 ug/L m

response 433

Ion	Exp%	Act%
75.05	100.00	100.00
154.95	75.40	0.00#
156.90	96.10	41.01#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
 Data File : VV038709.D
 Acq On : 14 Mar 2025 10:43
 Operator : SY/MD
 Sample : Q1546-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 13:15:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	155402	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	173185	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	70086	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	46099	4.48	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	89.60%	
7) Chloroethane-d5	1.529	69	47732	4.77	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	95.40%	
11) 1,1-Dichloroethene-d2	2.053	65	23766	4.53	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.60%	
20) 2-Butanone-d5	3.796	46	122268	49.33	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	98.66%	
24) Chloroform-d	4.239	84	116660	4.81	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.20%	
26) 1,2-Dichloroethane-d4	4.937	65	54387	5.01	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.20%	
32) Benzene-d6	4.953	84	204604	4.61	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.20%	
36) 1,2-Dichloropropane-d6	5.982	67	70170	4.86	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.20%	
41) Toluene-d8	7.236	98	155288	3.87	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	77.40%	
43) trans-1,3-Dichloroprop...	7.561	79	17811	4.19	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.80%	
46) 2-Hexanone-d5	8.021	63	92646	45.13	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	106.20%	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	56402			
Spiked Amount	5.000	Range 65 - 120	Recovery	=		
66) 1,2-Dichlorobenzene-d4	11.554	152	60670			
Spiked Amount	5.000	Range 80 - 120	Recovery	=		
Target Compounds						
2) Dichlorodifluoromethane	1.108	85	4438	0.12	ug/L	92
3) Chloromethane	1.214	50	4897	0.32	ug/L	95
5) Vinyl chloride	1.281	62	4751	0.30	ug/L #	49
6) Bromomethane	1.487	94	2642	0.35	ug/L	84
8) Chloroethane	1.548	64	2880	0.28	ug/L	90
9) Trichlorofluoromethane	1.709	101	6267	0.28	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	4388	0.33	ug/L	89
12) 1,1-Dichloroethene	2.066	96	3831	0.32	ug/L #	1
14) Carbon disulfide	2.233	76	10221	0.27	ug/L #	92
15) Methyl Acetate	2.400	43	1611	0.34	ug/L #	61
16) Methylene chloride	2.445	84	4196	0.31	ug/L	87
17) Methyl tert-butyl Ether	2.703	73	6652	0.27	ug/L #	91
18) trans-1,2-Dichloroethene	2.699	96	3386	0.28	ug/L	97
19) 1,1-Dichloroethane	3.108	63	6090	0.26	ug/L	94
21) 2-Butanone	3.934	43	6573m	2.51	ug/L	
22) cis-1,2-Dichloroethene	3.812	96	3308	0.27	ug/L	82
23) Bromochloromethane	4.153	128	1433m	0.24	ug/L	
25) Chloroform	4.268	83	8413	0.35	ug/L	89
27) 1,2-Dichloroethane	5.066	62	3498	0.26	ug/L	99

Supervised By: Manish Dabodra 03/10/2025
 Reviewed By: Amit Patel 03/10/2025

Manual Integrations APPROVED

MDT-MATEB-011-2025-05
 Client Sampled :
 MSVOA_V
 Instrument :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031425\
 Data File : VV038709.D
 Acq On : 14 Mar 2025 10:43
 Operator : SY/MD
 Sample : Q1546-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 13:15:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.503	97	5390	0.25	ug/L	96
30) Cyclohexane	4.571	56	4090	0.23	ug/L	92
31) Carbon tetrachloride	4.728	117	4683m	0.24	ug/L	
33) Benzene	5.011	78	13263	0.27	ug/L	100
34) Trichloroethene	5.837	95	3875m	0.29	ug/L	
35) Methylcyclohexane	6.043	83	3880	0.20	ug/L	91
37) 1,2-Dichloropropane	6.095	63	3374	0.25	ug/L #	96
38) Bromodichloromethane	6.442	83	4818	0.27	ug/L	83
39) cis-1,3-Dichloropropene	6.976	75	4051m	0.23	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	11194	1.68	ug/L #	90
42) Toluene	7.323	91	12078	0.24	ug/L	97
44) trans-1,3-Dichloropropene	7.599	75	3865	0.26	ug/L	84
45) 1,1,2-Trichloroethane	7.776	97	2420	0.24	ug/L #	78
47) Tetrachloroethene	7.902	164	2452	0.24	ug/L	90
48) 2-Hexanone	8.085	43	22290	4.67	ug/L #	76
49) Dibromochloromethane	8.172	129	2763	0.25	ug/L	89
50) 1,2-Dibromoethane	8.291	107	2481	0.28	ug/L #	70
51) Chlorobenzene	8.812	112	8905	0.26	ug/L	95
52) Ethylbenzene	8.950	91	11517	0.21	ug/L	99
53) m,p-Xylene	9.082	106	3746	0.18	ug/L	92
54) o-Xylene	9.480	106	3416	0.18	ug/L	94
55) Styrene	9.509	104	5909m	0.18	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	3036	0.26	ug/L #	92
59) Bromoform	9.670	173	1197	0.26	ug/L #	90
60) Isopropylbenzene	9.866	105	9679	0.23	ug/L	96
61) 1,2,3-Trichloropropane	10.210	75	1882	0.30	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	7030	0.22	ug/L	93
63) 1,2,4-Trimethylbenzene	10.853	105	7036			
64) 1,3-Dichlorobenzene	11.123	146	5226			
65) 1,4-Dichlorobenzene	11.207	146	5616			
67) 1,2-Dichlorobenzene	11.574	146	5423			
68) 1,2-Dibromo-3-chloropr...	12.368	75	433m	0.31	ug/L	
69) 1,3,5-Trichlorobenzene	12.583	180	3561			
70) 1,2,4-trichlorobenzene	13.207	180	2242			
71) Naphthalene	13.451	128	3535			
72) 1,2,3-Trichlorobenzene	13.686	180	2594	0.26	ug/L #	93

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

