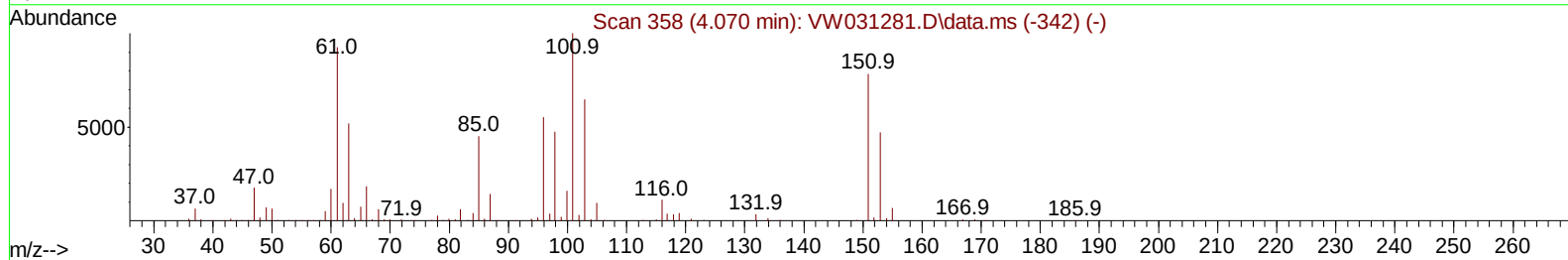
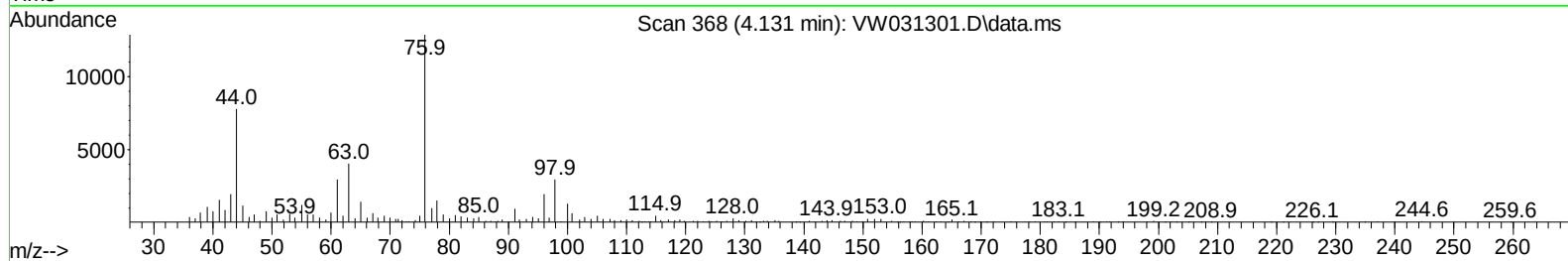
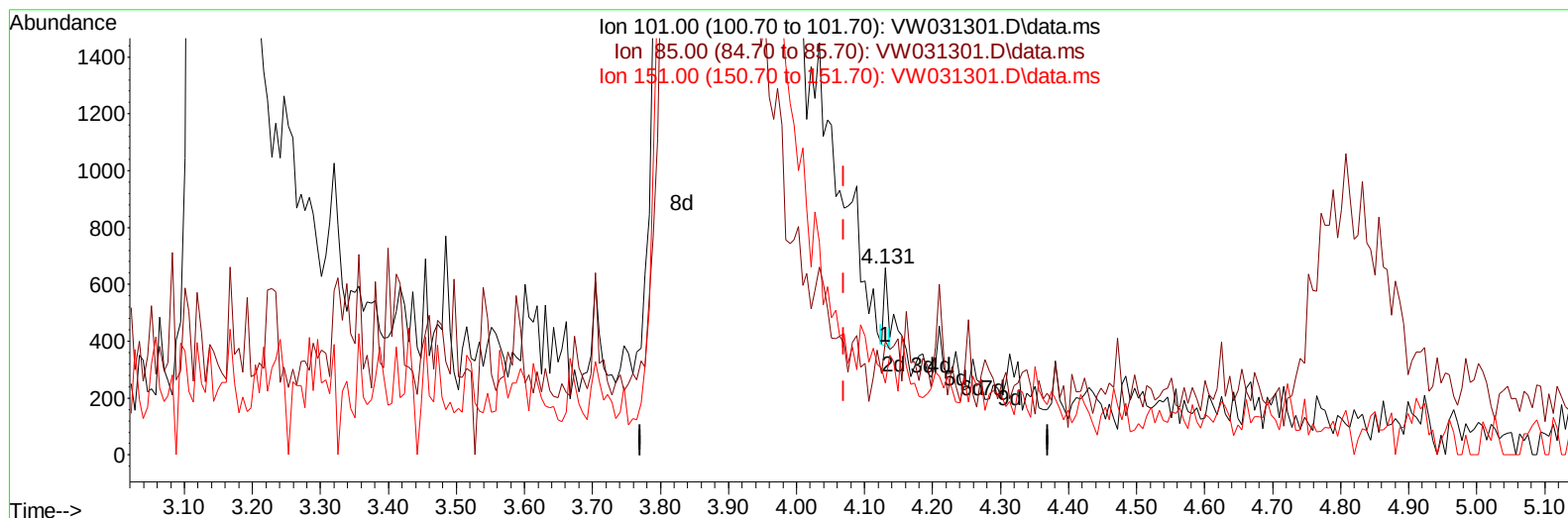


Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

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

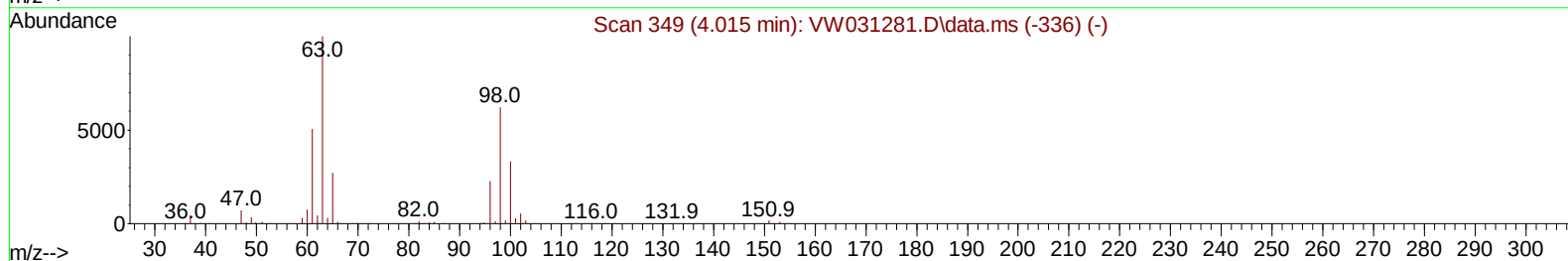
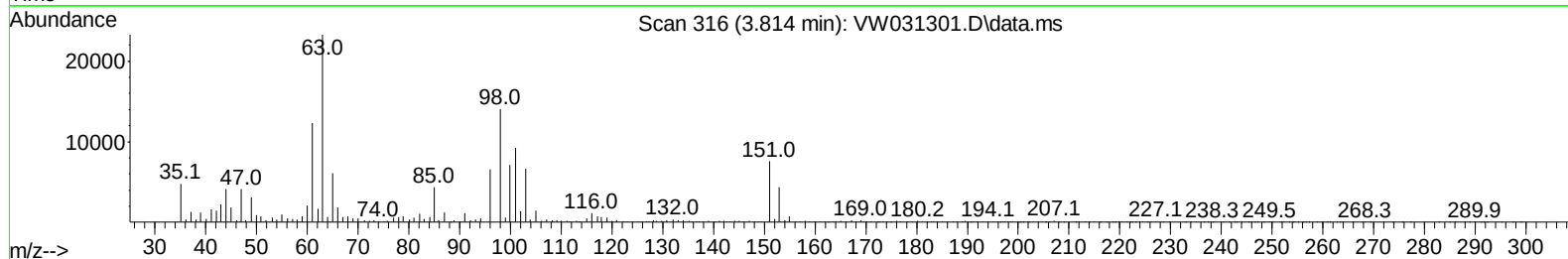
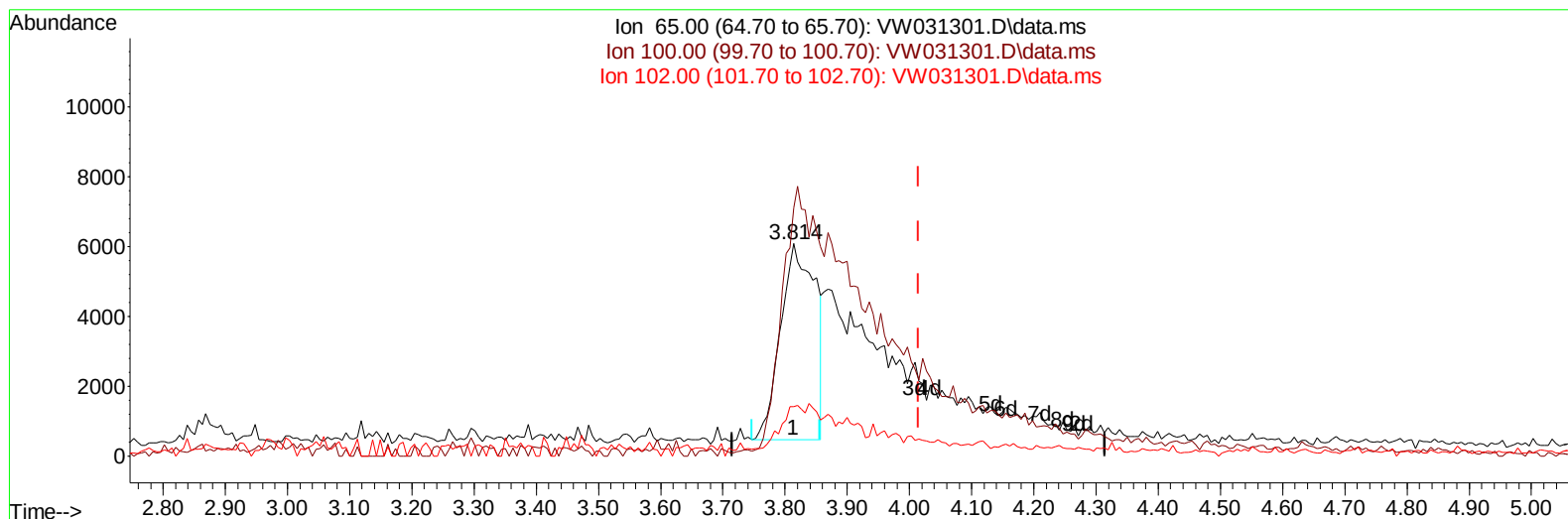
4.131min (+ 0.061) 0.01 ug/L

response 112

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	41.20	66.07#
151.00	68.50	0.00#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

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

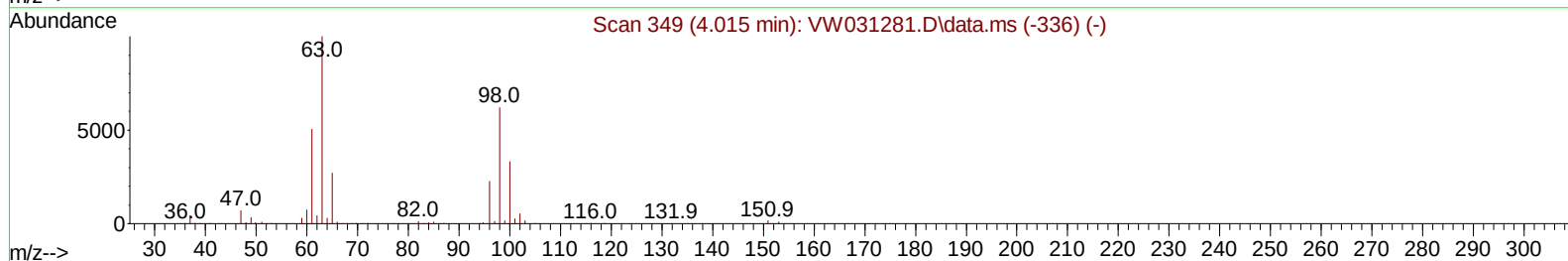
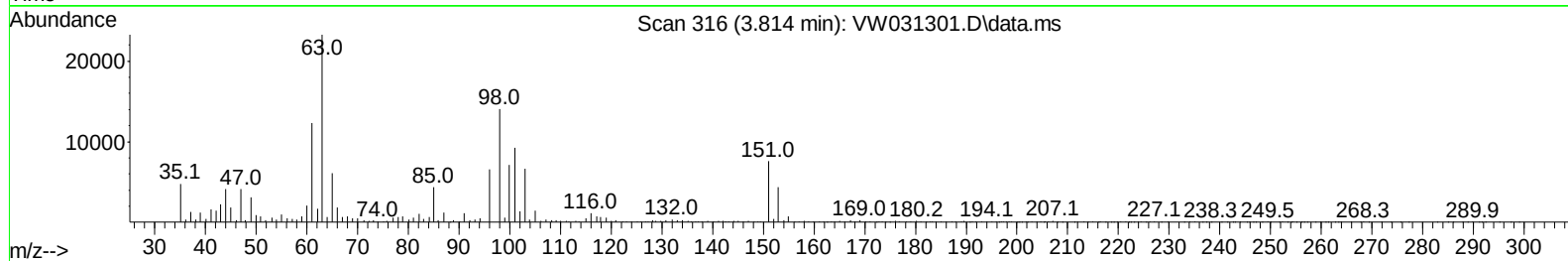
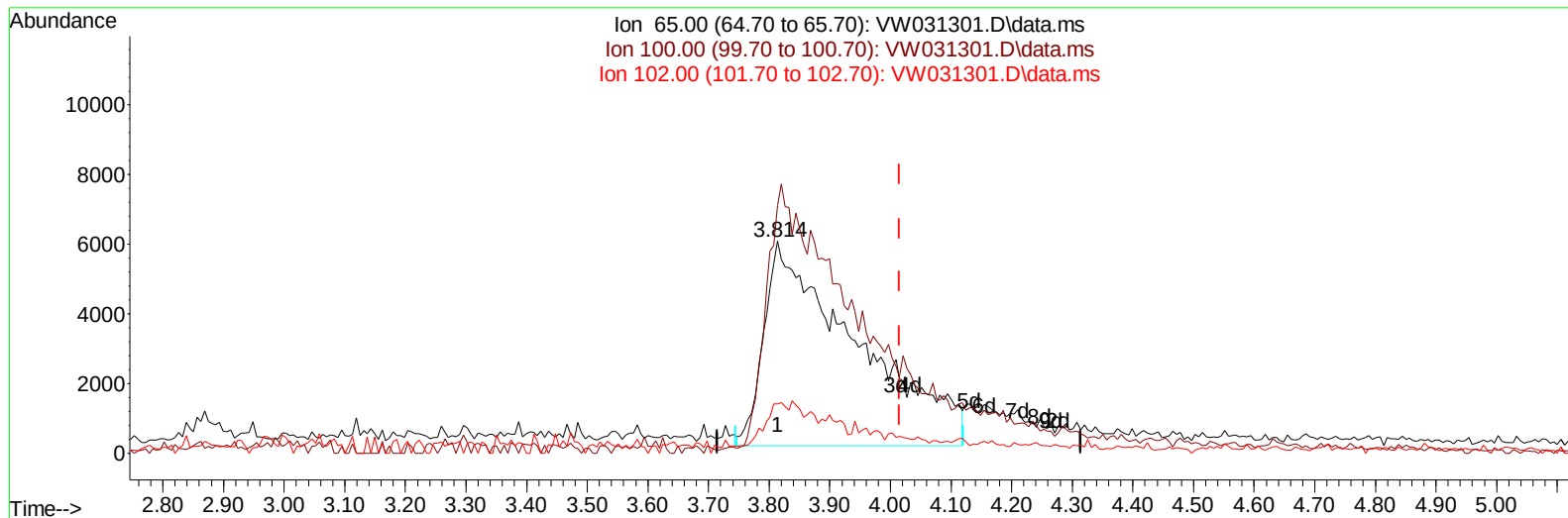
3.814min (-0.201) 2.55 ug/L

response 21516

Ion	Exp%	Act%
65.00	100.00	100.00
100.00	133.70	100.58
102.00	18.60	15.24
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

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

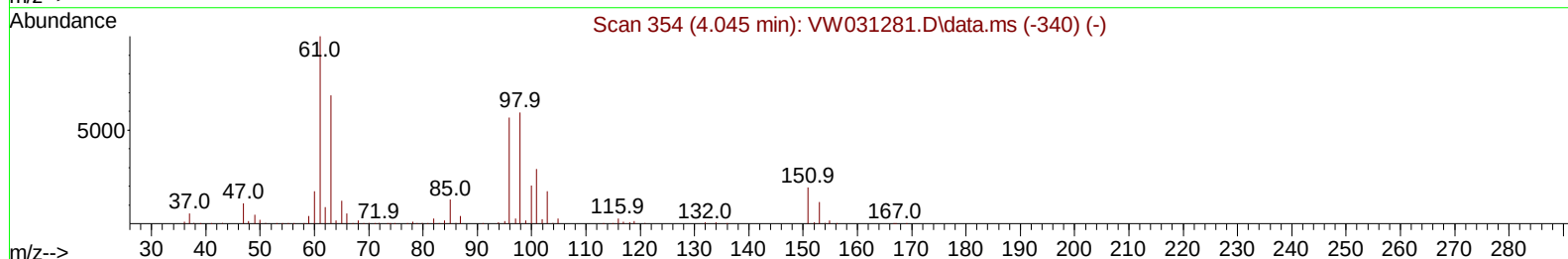
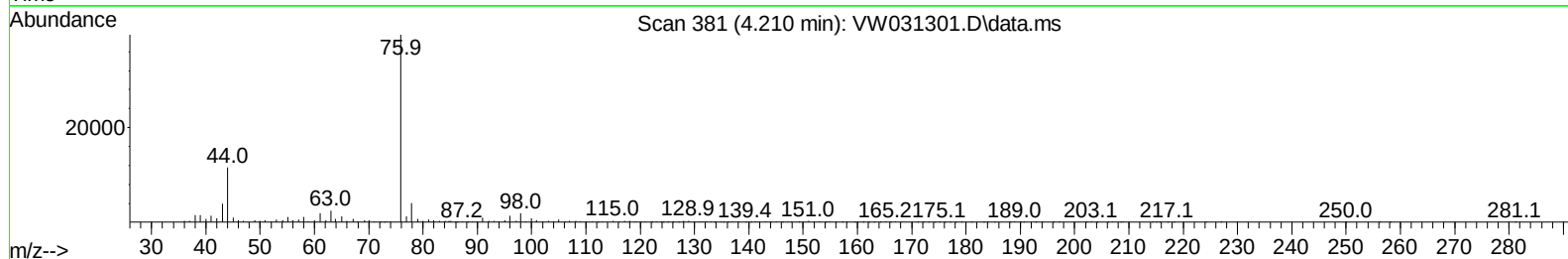
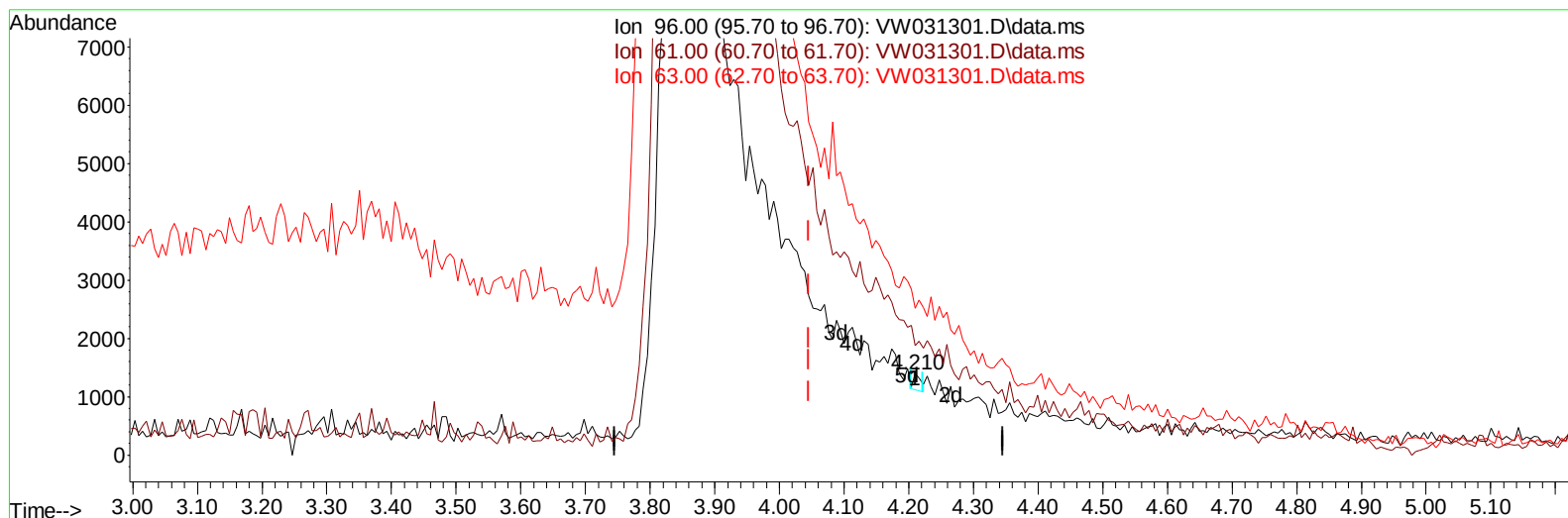
3.814min (-0.201) 7.35 ug/L m

response 62008

Ion	Exp%	Act%
65.00	100.00	100.00
100.00	133.70	34.90#
102.00	18.60	5.29#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(12) 1,1-Dichloroethene (T)

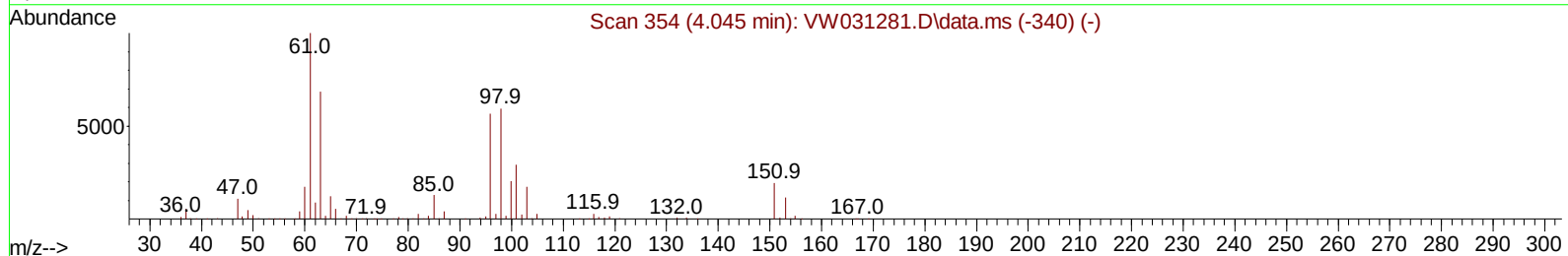
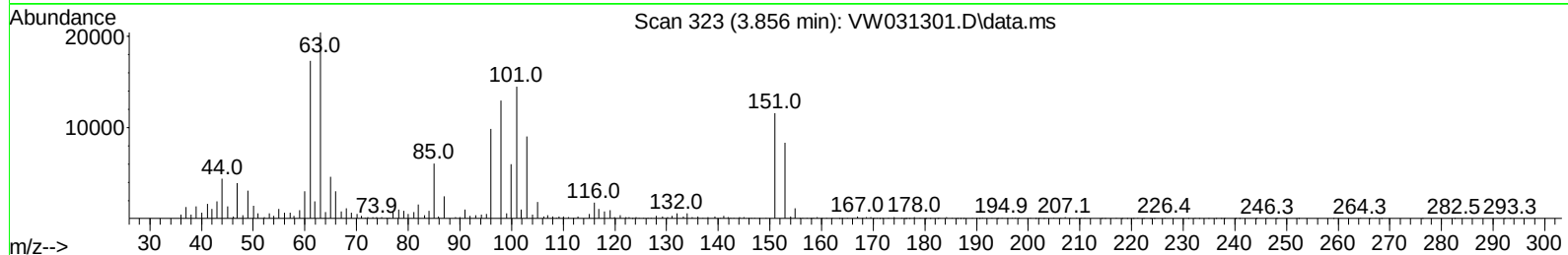
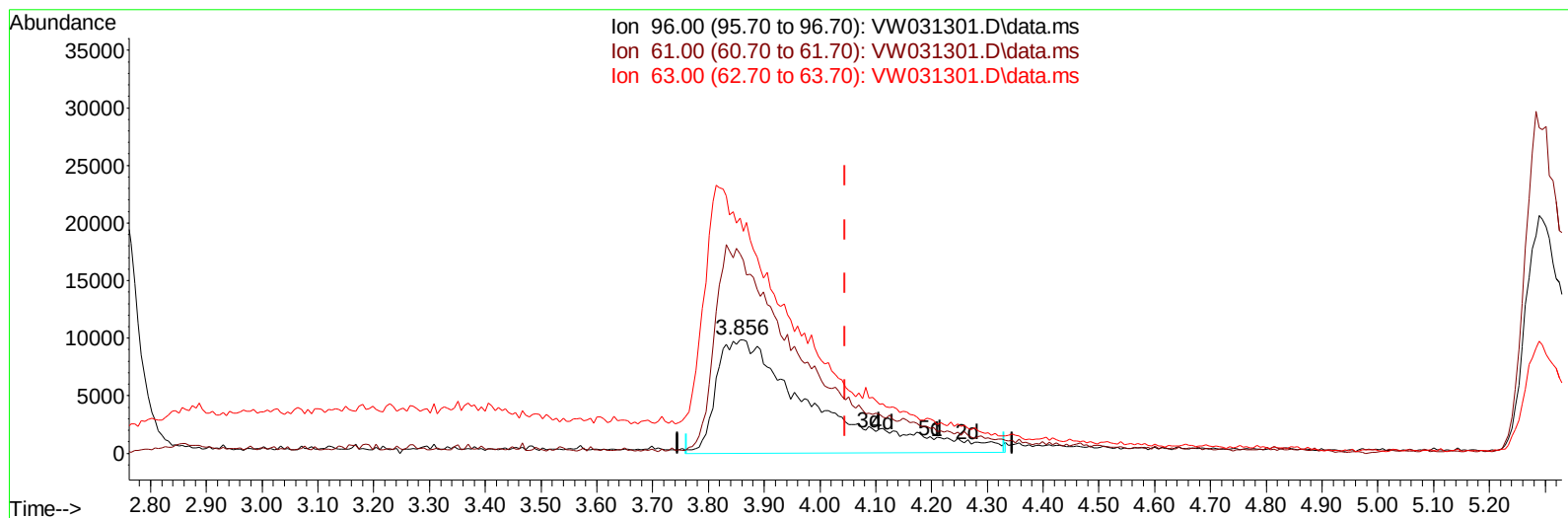
4.210min (+ 0.165) 0.02 ug/L

response 220

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	179.00	134.58
63.00	149.40	180.42
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(12) 1,1-Dichloroethene (T)

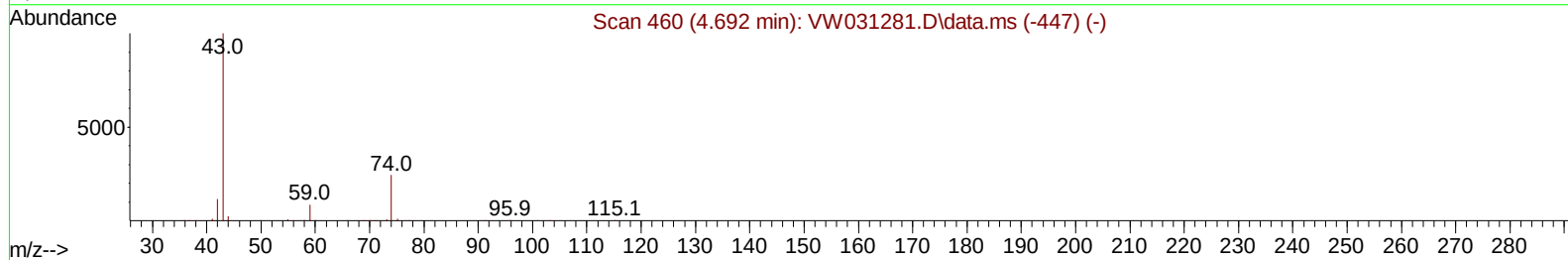
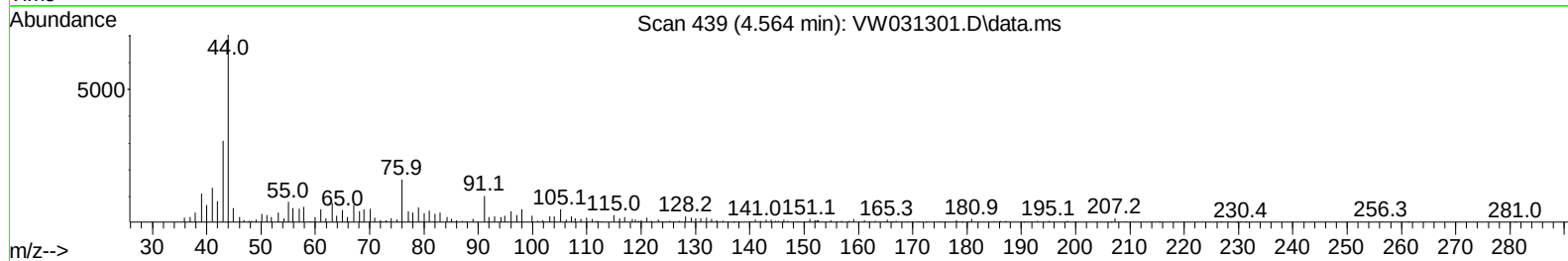
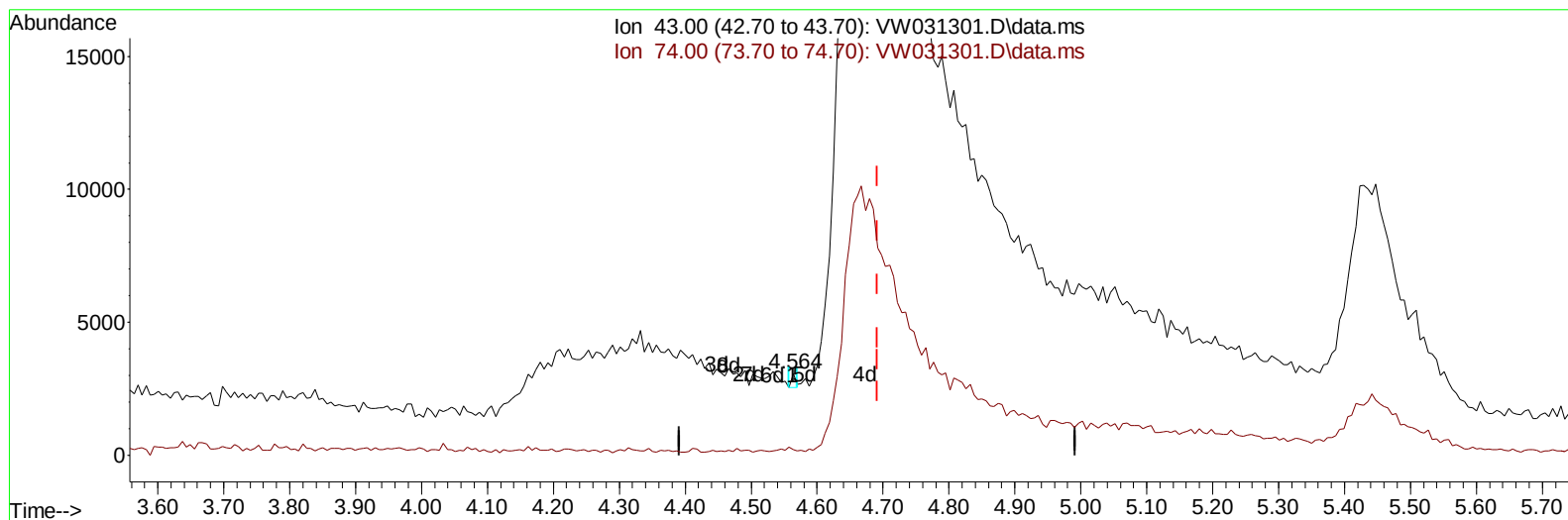
3.856min (-0.189) 8.24 ug/L m

response 119428

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	179.00	175.07
63.00	149.40	206.83#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

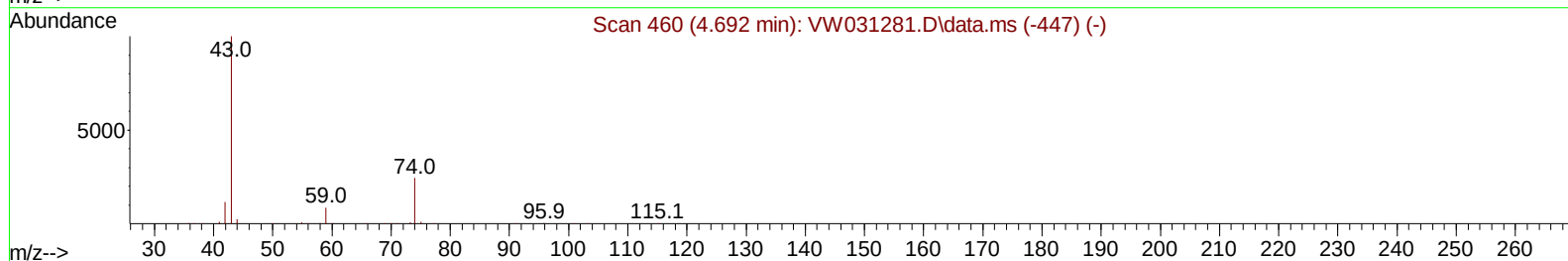
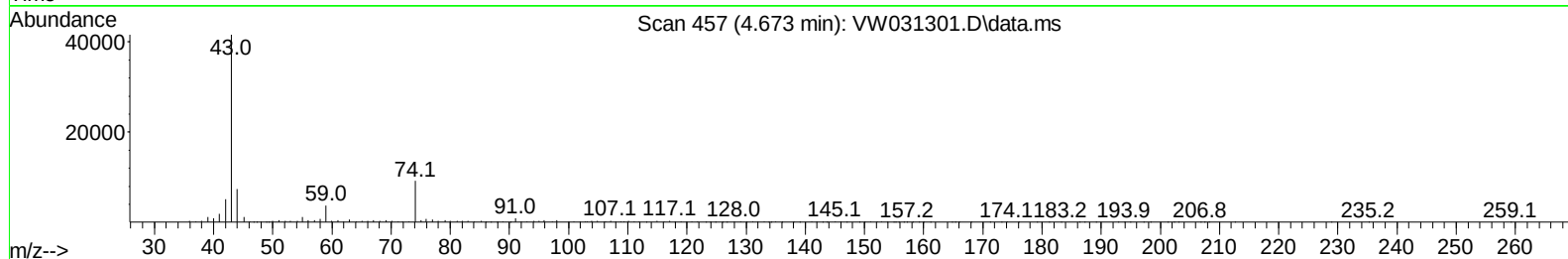
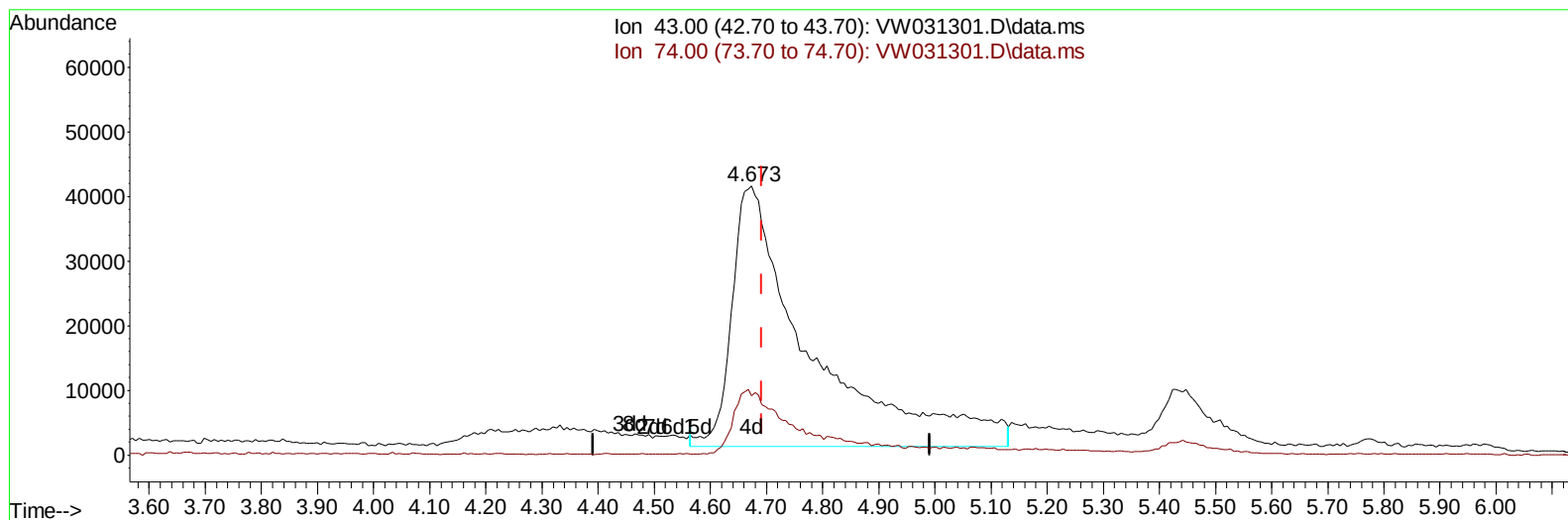
(15) Methyl Acetate (T)

4.564min (-0.128) 0.05 ug/L

response 239		
Ion	Exp%	Act%
43.00	100.00	100.00
74.00	23.60	27.62
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(15) Methyl Acetate (T)

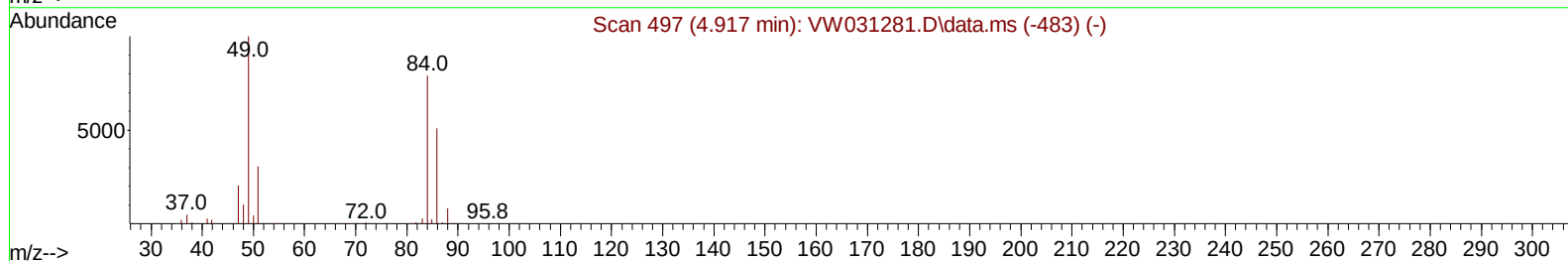
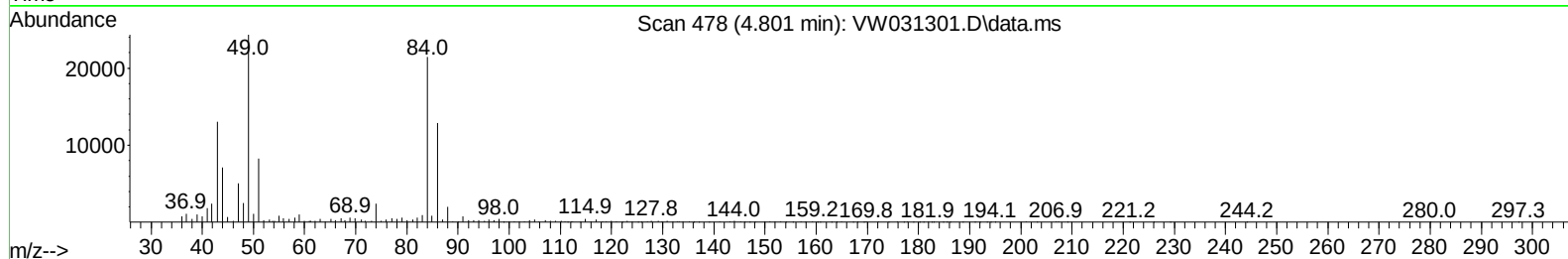
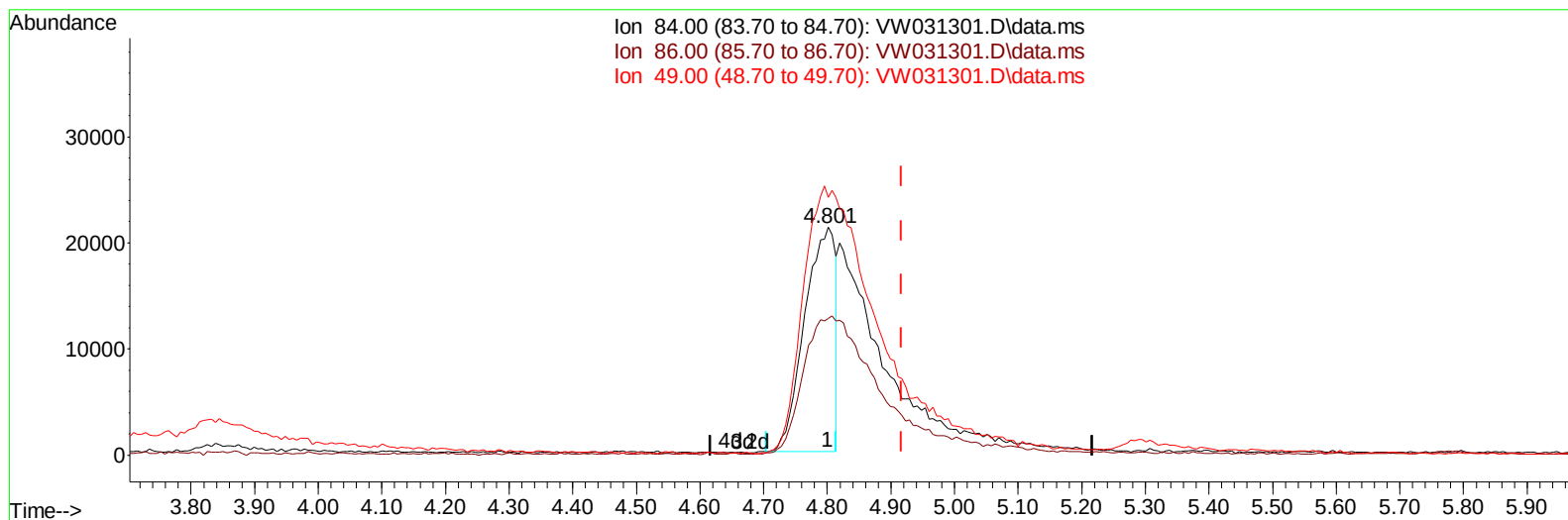
4.673min (-0.018) 73.99 ug/L m

response 391994

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	23.60	0.02#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(16) Methylene chloride (T)

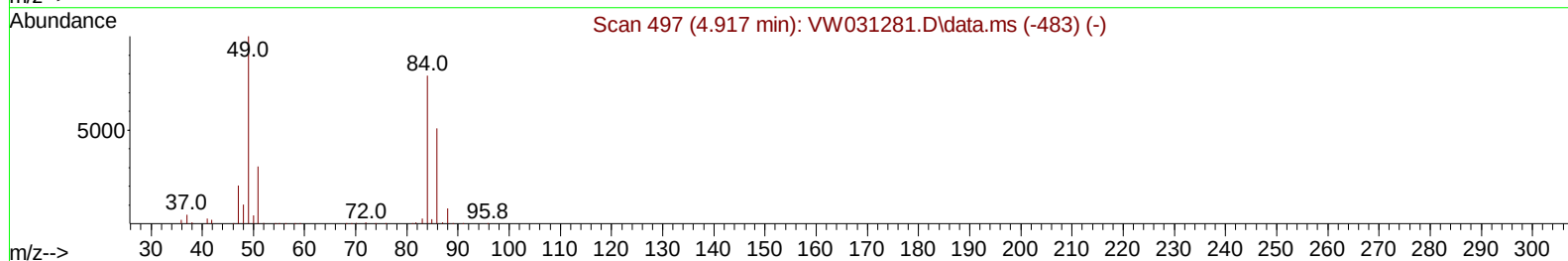
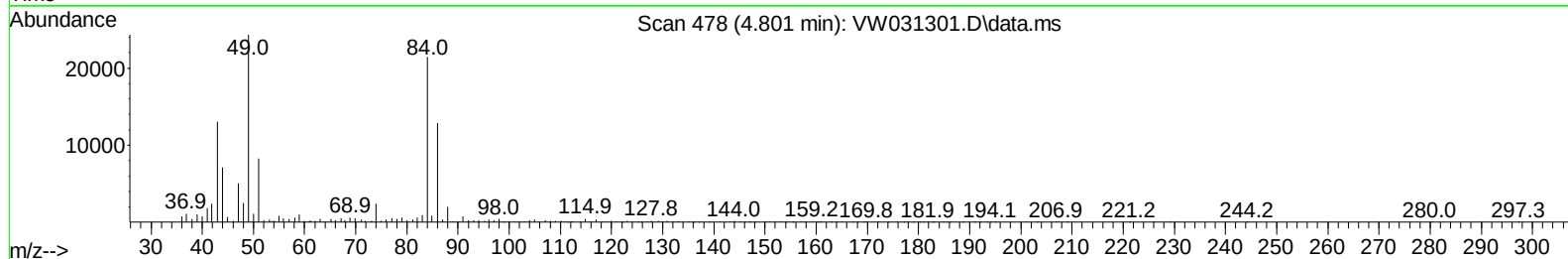
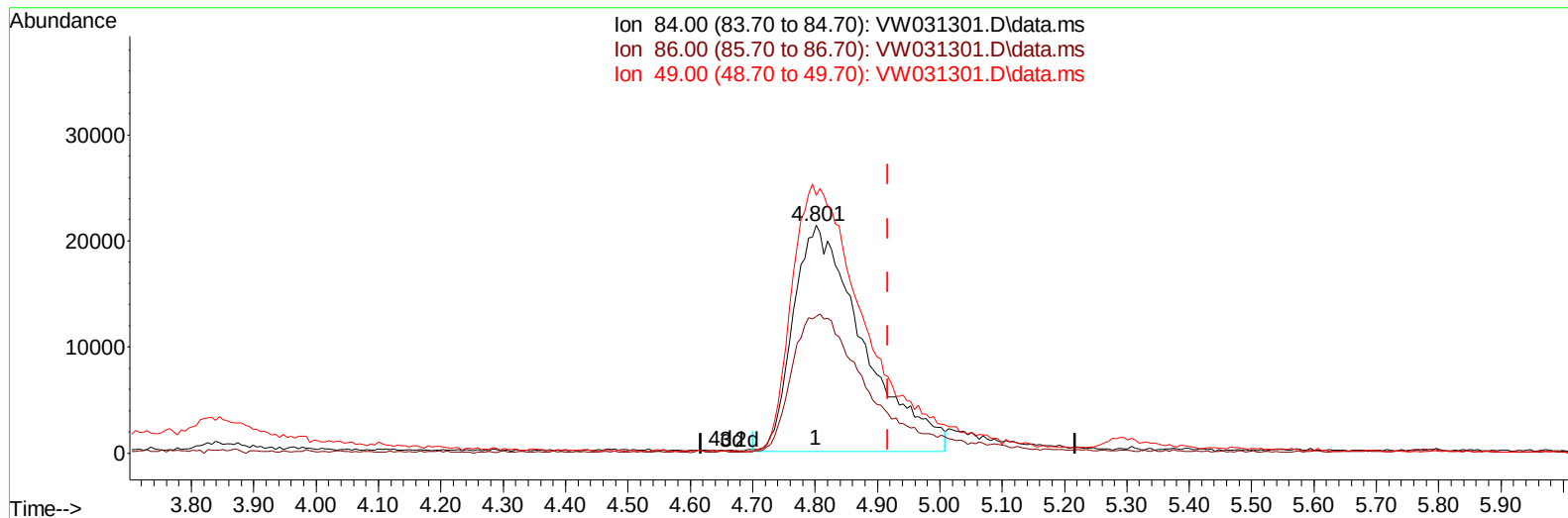
4.801min (-0.116) 4.77 ug/L

response 70986

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	63.80	60.14
49.00	126.20	113.31
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(16) Methylene chloride (T)

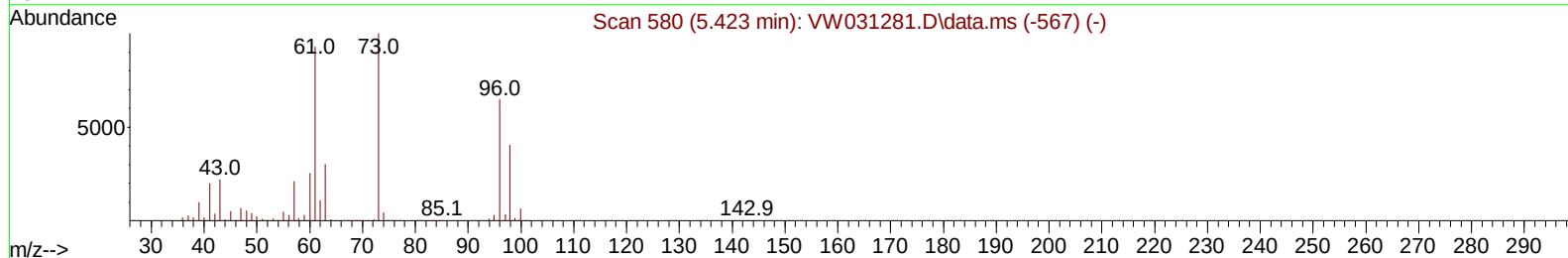
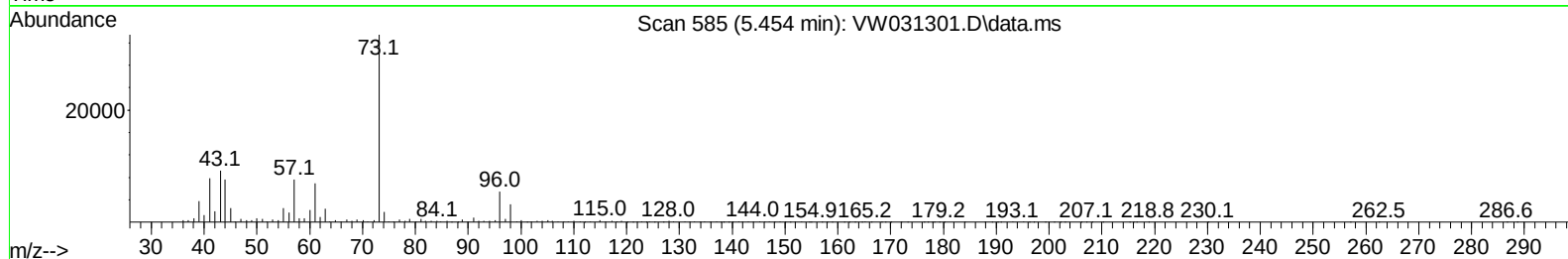
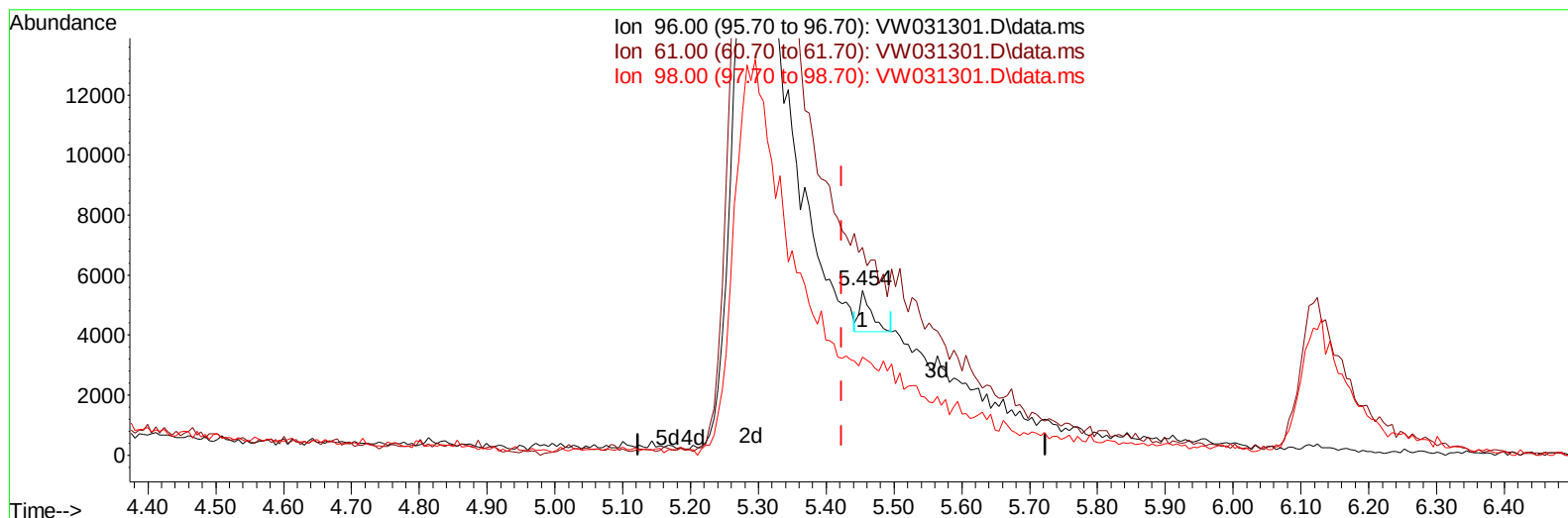
4.801min (-0.116) 11.19 ug/L m

response 166365

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	63.80	60.14
49.00	126.20	113.31
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(17) trans-1,2-Dichloroethene (T)

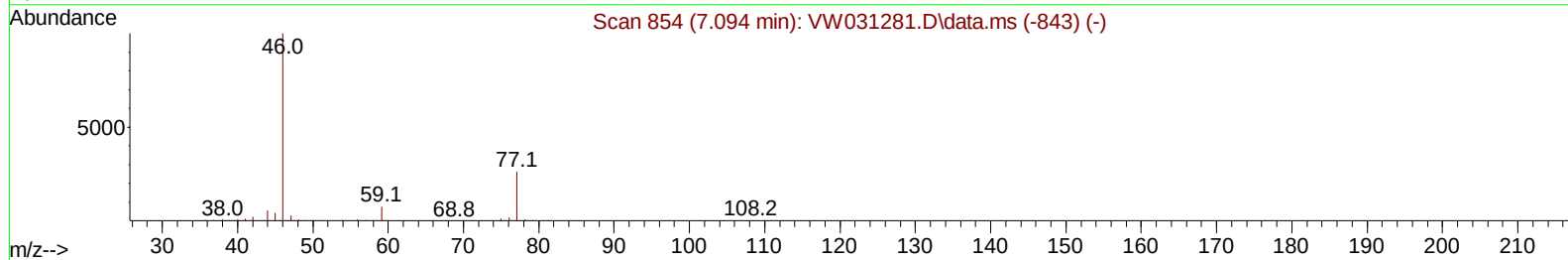
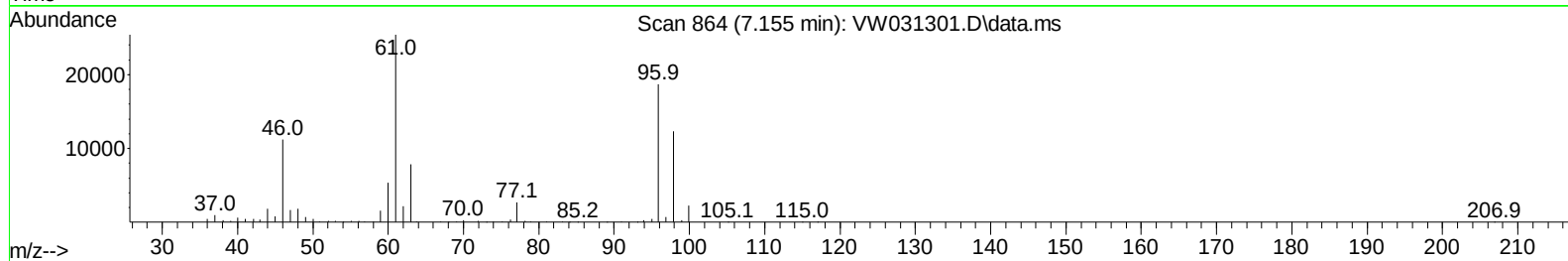
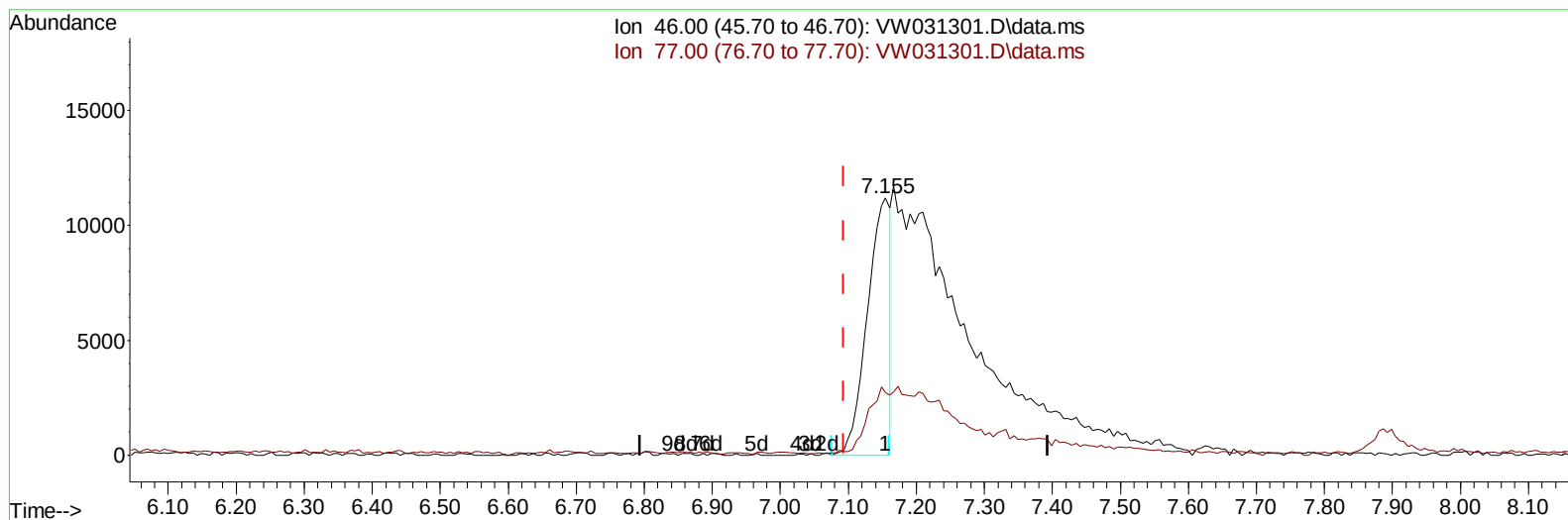
5.454min (+ 0.031) 0.10 ug/L

response 1563

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	143.90	125.95
98.00	62.50	59.58
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(21) 2-Butanone-d5 (S)

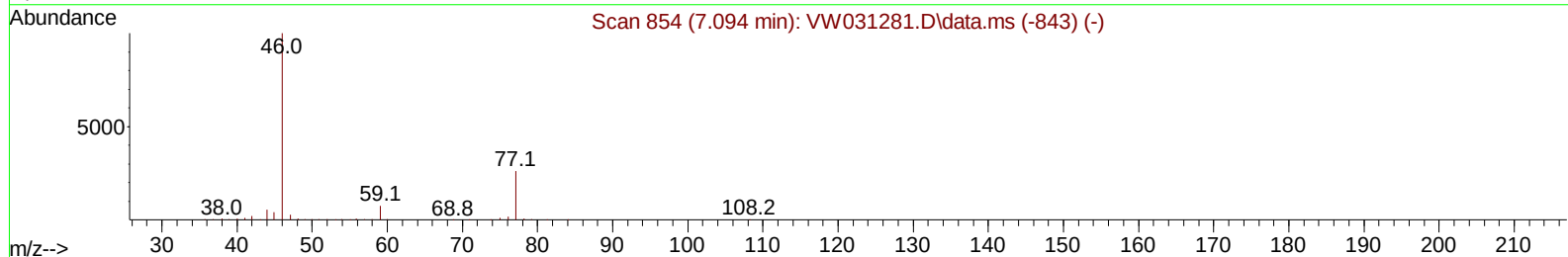
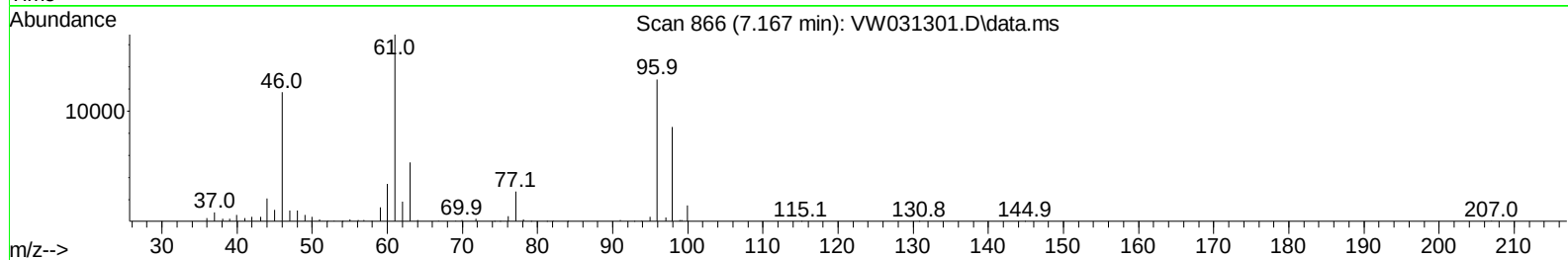
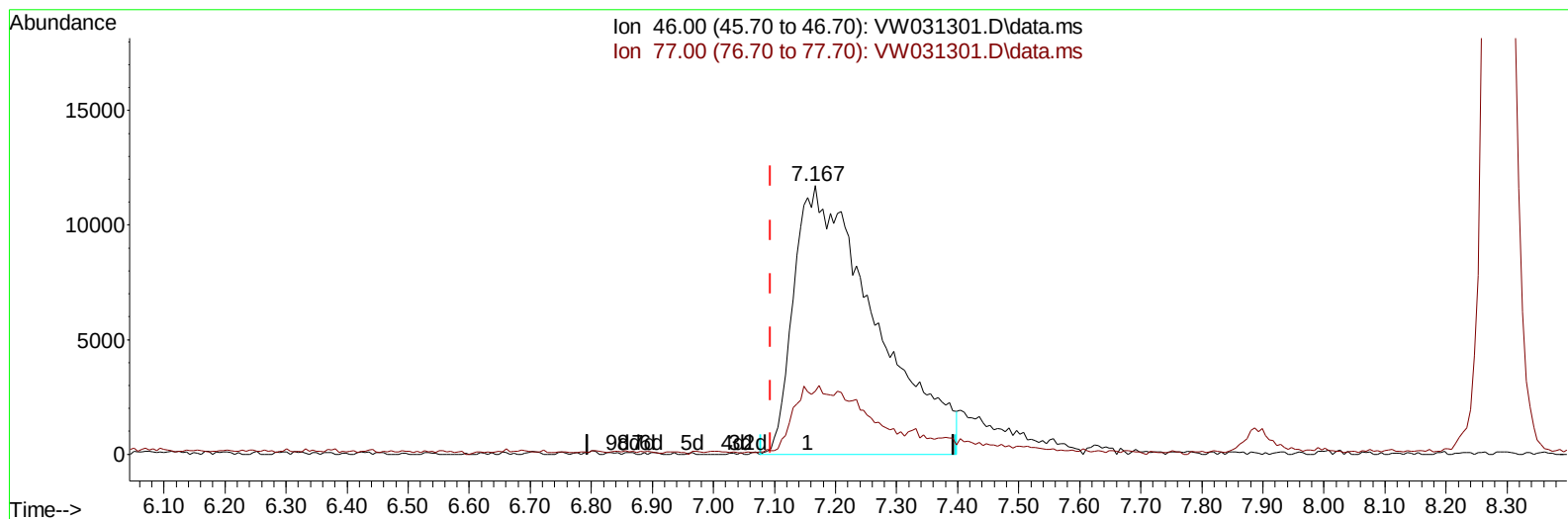
7.155min (+ 0.061) 7.83 ug/L

response 26210

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.60	22.88
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(21) 2-Butanone-d5 (S)

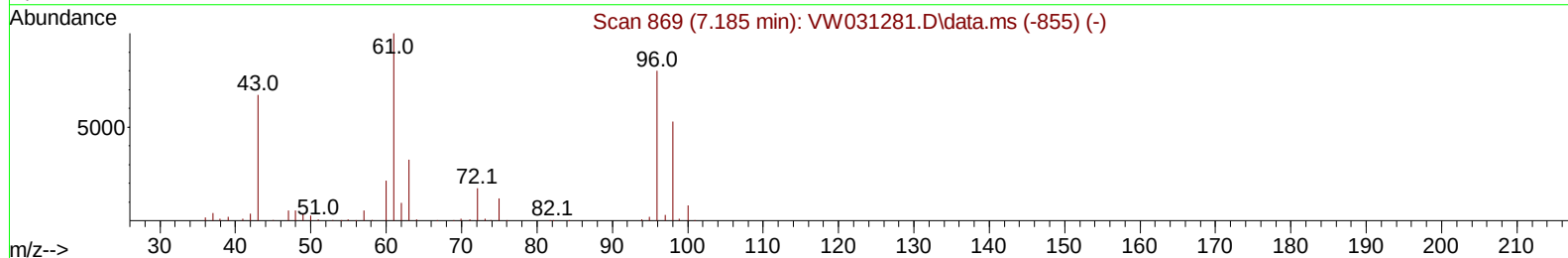
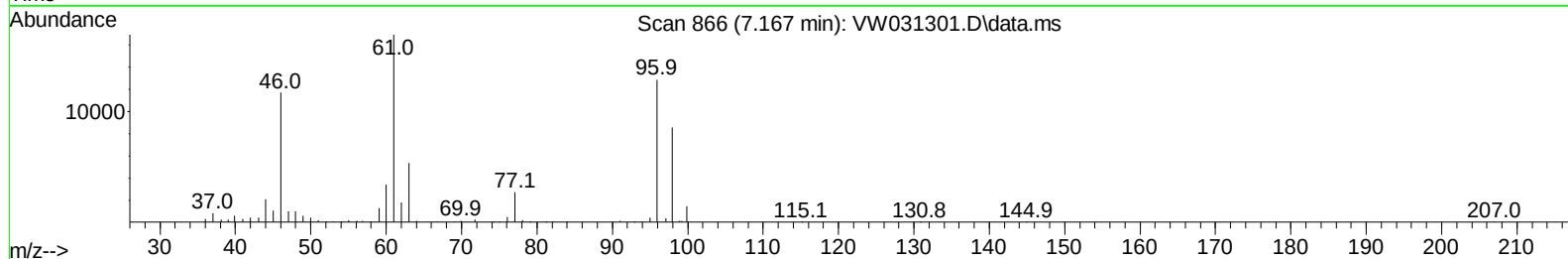
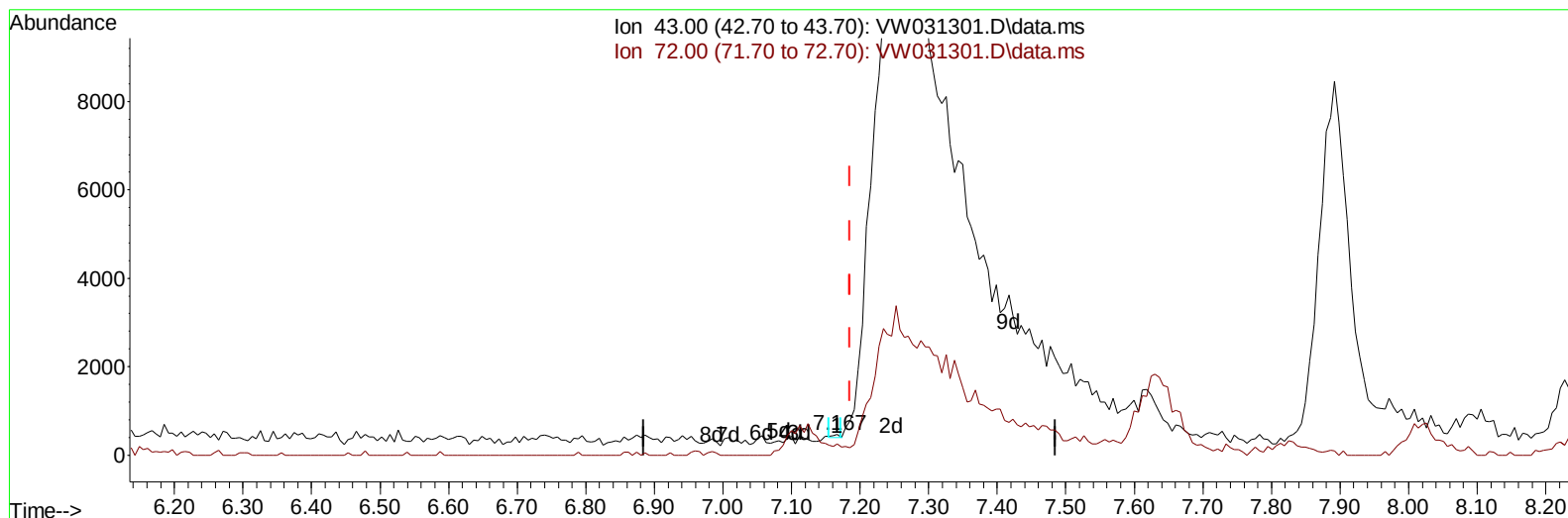
7.167min (+ 0.073) 32.31 ug/L m

response 108233

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.60	5.54#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(22) 2-Butanone (T)

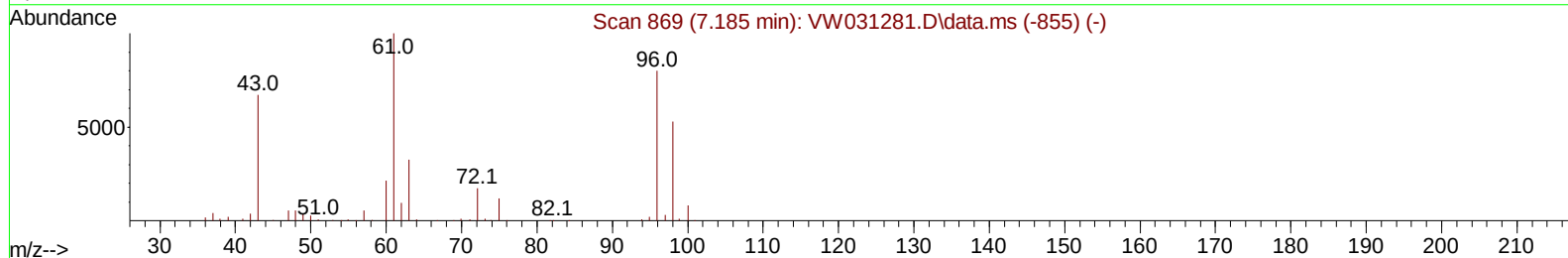
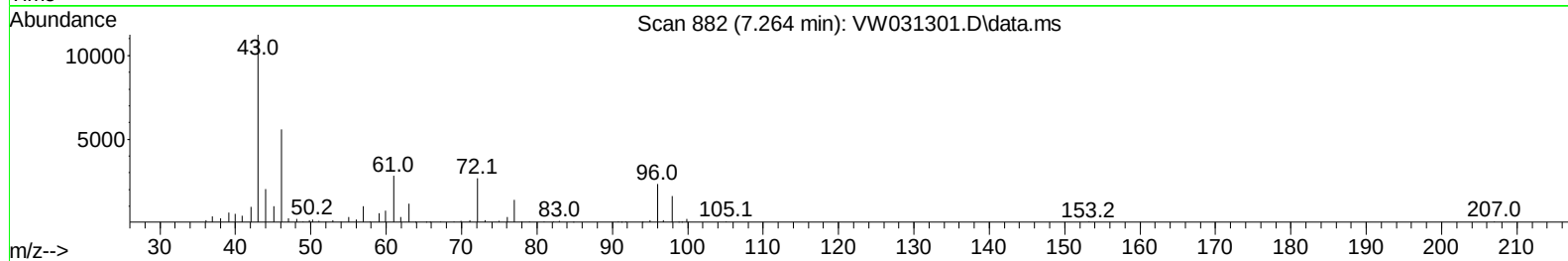
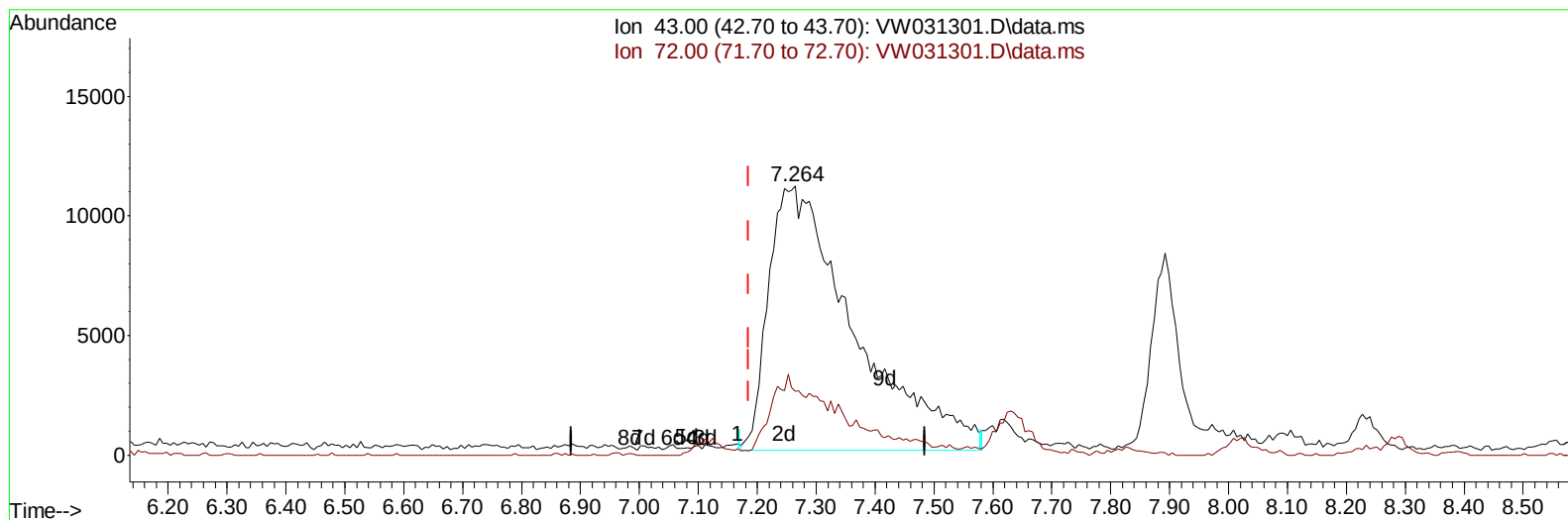
7.167min (-0.018) 0.01 ug/L

response 34

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.50	88.24#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121624\
Data File : VW031301.D
Acq On : 17 Dec 2024 03:49
Operator : SY/MD
Sample : P5258-06MSD
Misc : 4.19g/10mL/MSVOA_W/SOIL/A
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 17 02:36:53 2024
Response via : Initial Calibration



TIC: VW031301.D\data.ms

(22) 2-Butanone (T)

7.264min (+ 0.079) 19.75 ug/L m

response 111629

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.50	0.03#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw121624\
 Data File : VW031301.D
 Acq On : 17 Dec 2024 03:49
 Operator : SY/MD
 Sample : P5258-06MSD
 Misc : 4.19g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 17 02:36:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.819	114	1182072	25.000	ug/L	-0.02
28) Chlorobenzene-d5	11.623	117	855950	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	294761	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.345	65	285068	16.028	ug/L	-0.02
Spiked Amount 25.000	Range 30	- 150	Recovery	=	64.120%	
7) Chloroethane-d5	2.838	69	47027	3.574	ug/L	-0.06
Spiked Amount 25.000	Range 30	- 150	Recovery	=	14.280%#	
11) 1,1-Dichloroethene-d2	3.814	65	62008m	7.350	ug/L	-0.20
Spiked Amount 25.000	Range 45	- 110	Recovery	=	29.400%#	
21) 2-Butanone-d5	7.167	46	108233m	32.313	ug/L	0.07
Spiked Amount 50.000	Range 20	- 135	Recovery	=	64.620%	
24) Chloroform-d	7.618	84	525919	16.238	ug/L	-0.03
Spiked Amount 25.000	Range 40	- 150	Recovery	=	64.960%	
26) 1,2-Dichloroethane-d4	8.289	65	284038	17.462	ug/L	-0.01
Spiked Amount 25.000	Range 70	- 130	Recovery	=	69.840%#	
32) Benzene-d6	8.234	84	1093038	19.924	ug/L	-0.04
Spiked Amount 25.000	Range 20	- 135	Recovery	=	79.680%	
36) 1,2-Dichloropropane-d6	9.258	67	334686	20.932	ug/L	-0.01
Spiked Amount 25.000	Range 70	- 120	Recovery	=	83.720%	
41) Toluene-d8	10.313	98	924730	18.119	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	72.480%	
43) trans-1,3-Dichloroprop...	10.575	79	118334	16.051	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	64.200%	
47) 2-Hexanone-d5	10.941	63	70104	32.603	ug/L	0.02
Spiked Amount 50.000	Range 20	- 135	Recovery	=	65.200%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	145899	14.533	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	58.120%	
66) 1,2-Dichlorobenzene-d4	13.849	152	177447	16.216	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	64.880%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.997	85	159139	14.896	ug/L	99
3) Chloromethane	2.210	50	219576	18.296	ug/L	99
5) Vinyl chloride	2.351	62	221036	13.290	ug/L	98
6) Bromomethane	2.759	94	55301	5.408	ug/L	98
8) Chloroethane	2.869	64	26142	2.643	ug/L	89
9) Trichlorofluoromethane	3.131	101	27541	1.554	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	3.832	101	105387m	7.366	ug/L	
12) 1,1-Dichloroethene	3.856	96	119428m	8.241	ug/L	
14) Carbon disulfide	4.167	76	399963	8.463	ug/L	100
15) Methyl Acetate	4.673	43	391994m	73.988	ug/L	
16) Methylene chloride	4.801	84	166365m	11.186	ug/L	
17) trans-1,2-Dichloroethene	5.289	96	176960m	11.329	ug/L	
18) Methyl tert-butyl Ether	5.435	73	212036	8.120	ug/L #	69
19) 1,1-Dichloroethane	6.124	63	334908	11.474	ug/L	99
20) cis-1,2-Dichloroethene	7.118	96	201819	11.942	ug/L	99
22) 2-Butanone	7.264	43	111629m	19.750	ug/L	
23) Bromochloromethane	7.466	128	87741	13.018	ug/L	96
25) Chloroform	7.648	83	408218	14.170	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw121624\
 Data File : VW031301.D
 Acq On : 17 Dec 2024 03:49
 Operator : SY/MD
 Sample : P5258-06MSD
 Misc : 4.19g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 17 06:23:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 17 02:36:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.380	62	248172	13.703	ug/L	100
29) Cyclohexane	7.892	56	253739	10.931	ug/L	98
30) 1,1,1-Trichloroethane	7.825	97	286177	12.935	ug/L	99
31) Carbon tetrachloride	8.020	117	263673	13.377	ug/L	100
33) Benzene	8.283	78	823874	15.575	ug/L	100
34) Trichloroethene	9.069	95	216407	14.491	ug/L	92
35) Methylcyclohexane	9.307	83	260655	10.023	ug/L	97
37) 1,2-Dichloropropane	9.355	63	201685	15.284	ug/L	100
38) Bromodichloromethane	9.636	83	244075	14.228	ug/L	96
39) cis-1,3-Dichloropropene	10.063	75	304200	13.642	ug/L	98
40) 4-Methyl-2-pentanone	10.227	43	178937	25.559	ug/L	96
42) Toluene	10.374	91	830305	14.418	ug/L	94
44) trans-1,3-Dichloropropene	10.599	75	237804	13.061	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	123061	14.021	ug/L	95
46) Tetrachloroethene	10.849	164	134014	12.251	ug/L	93
48) 2-Hexanone	10.983	43	120398	20.221	ug/L	99
49) Dibromochloromethane	11.123	129	130506	12.544	ug/L	91
50) 1,2-Dibromoethane	11.227	107	116421	14.002	ug/L	95
51) Chlorobenzene	11.648	112	466047	12.907	ug/L	98
52) Ethylbenzene	11.721	91	800436	11.992	ug/L	98
53) m,p-Xylene	11.831	106	315841	12.430	ug/L	100
54) o-Xylene	12.160	106	300604	12.553	ug/L	100
55) Styrene	12.172	104	470331	11.808	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.715	83	108650	11.483	ug/L	94
59) Bromoform	12.349	173	59638	14.402	ug/L	99
60) Isopropylbenzene	12.459	105	727038	15.072	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	89419	17.728	ug/L	99
62) 1,3,5-Trimethylbenzene	12.934	105	575817	14.080	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	556489	14.079	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	253511	12.972	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	249552	12.888	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	209749	12.456	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.477	75	16382	12.799	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	132646	9.691	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	96718	8.495	ug/L	97
71) Naphthalene	15.354	128	201309	10.085	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	77186	8.414	ug/L	99

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

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