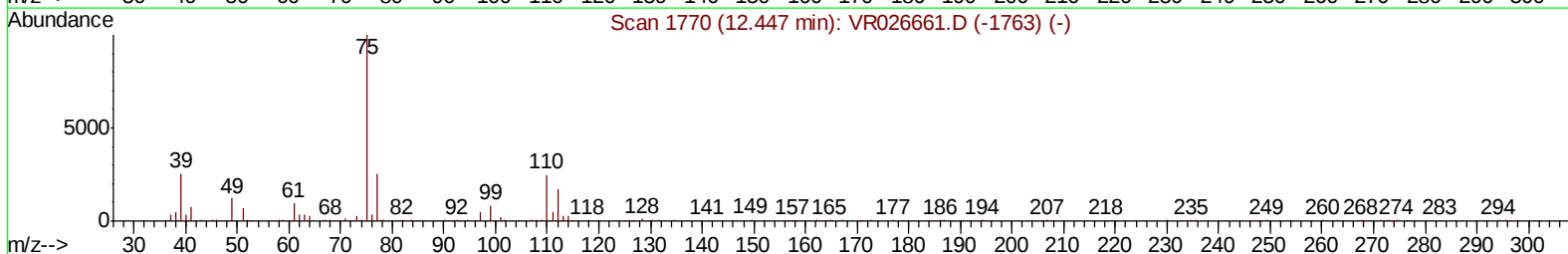
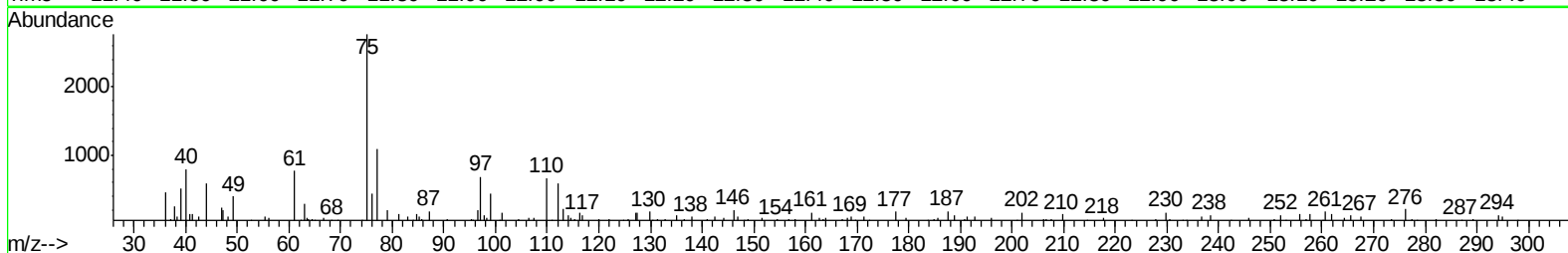
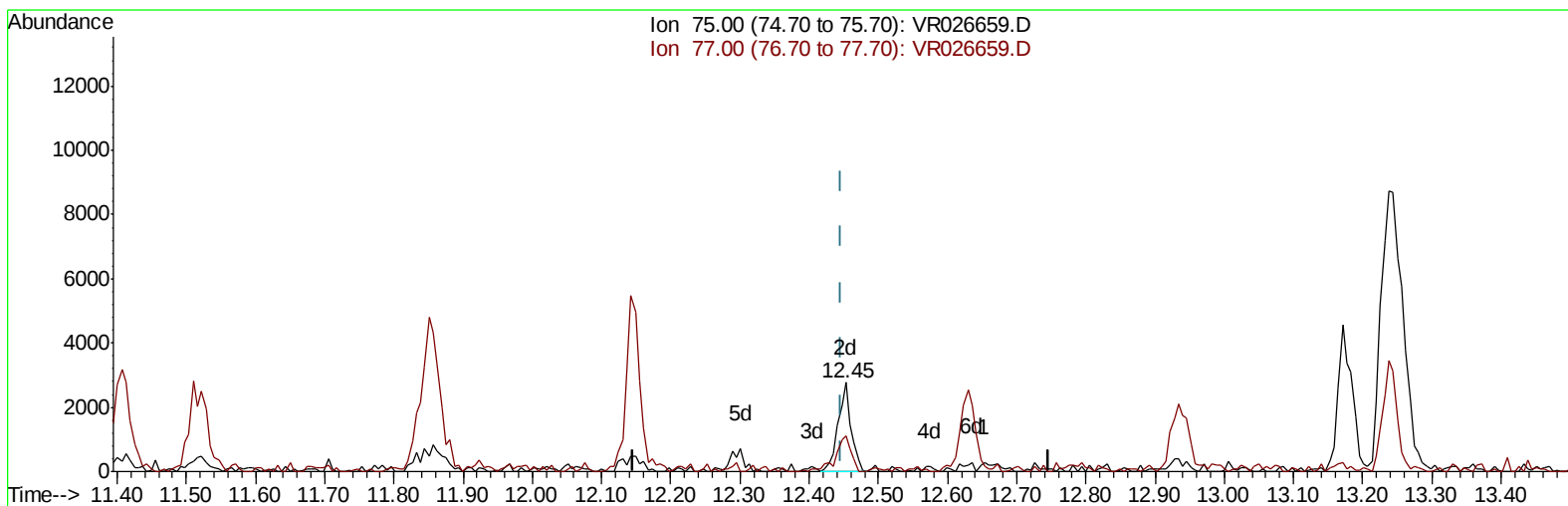


Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

(59) 1,2,3-Trichloropropane

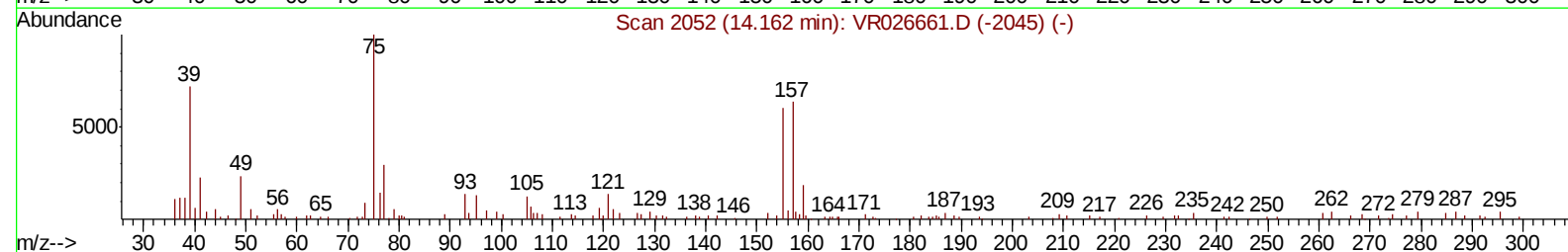
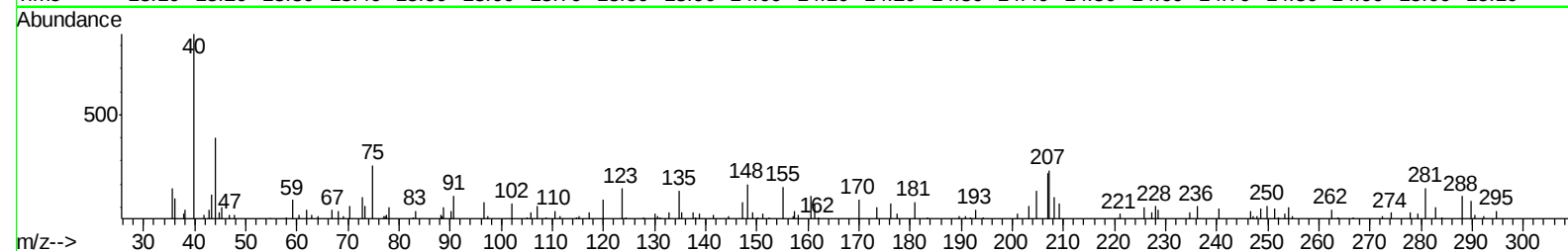
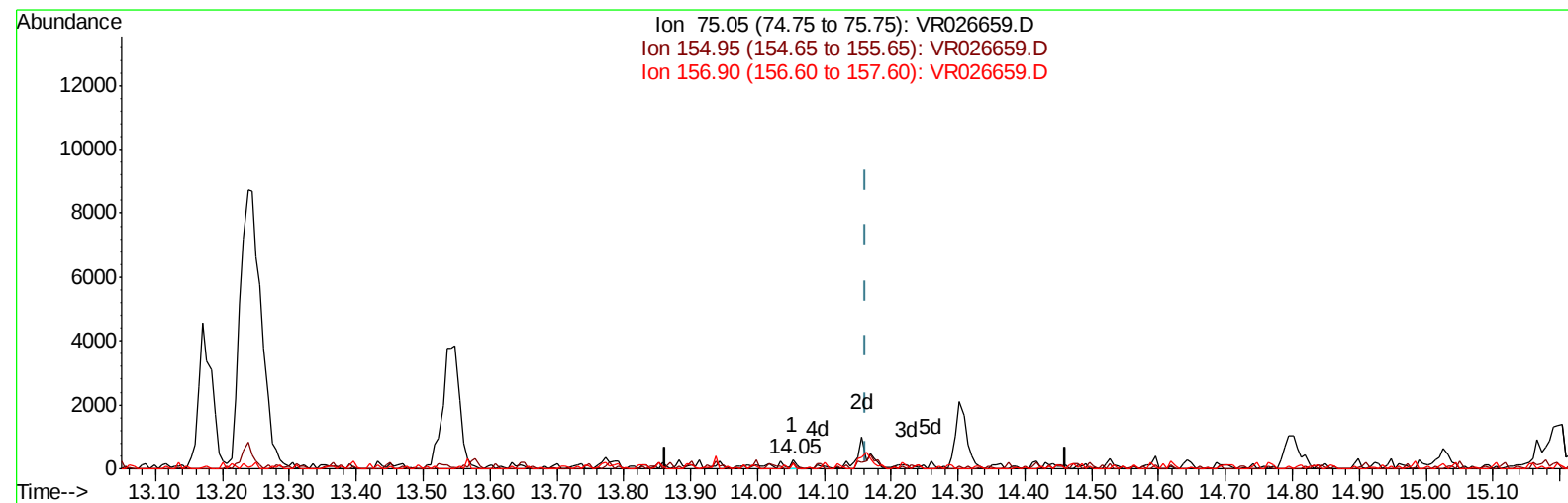
12.453min (+0.006) 0.52ug/L m

response 3646

Ion	Exp%	Act%
75.00	100	100
77.00	31.30	4.06#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

(66) 1,2-Dibromo-3-chloropropane (T)

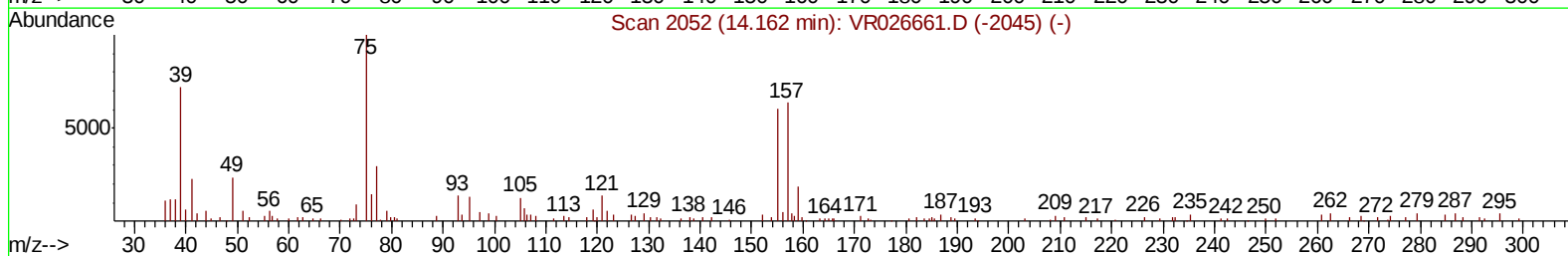
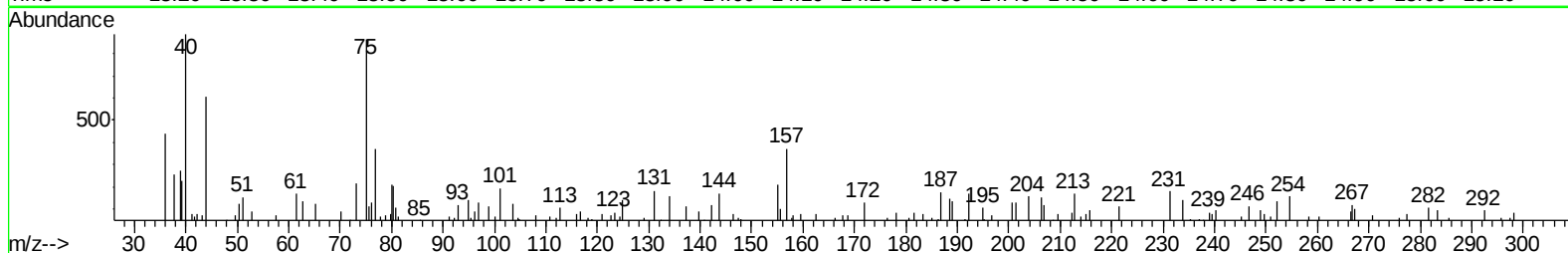
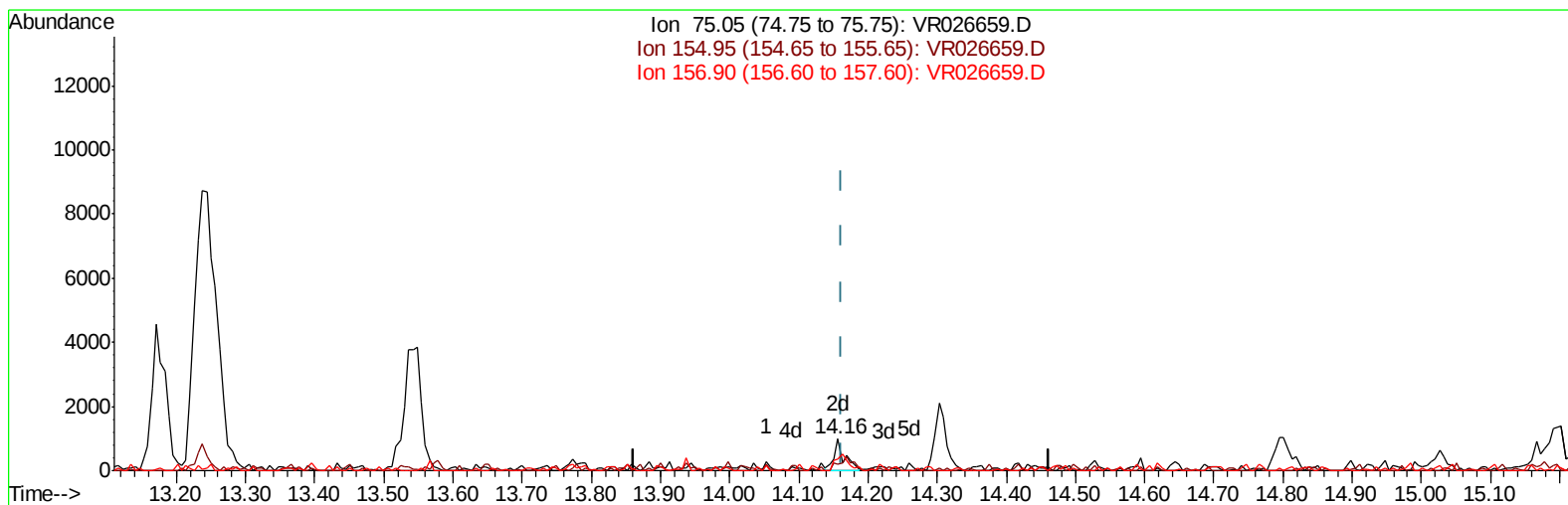
14.053min (-0.109) 0.09ug/L

response 148

Ion	Exp%	Act%
75.05	100	100
154.95	60.40	66.43
156.90	63.60	50.88
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.156min (-0.006) 0.64ug/L m

response 1044

Ion	Exp%	Act%
75.05	100	100
154.95	60.40	24.65#
156.90	63.60	43.17#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026659.D
 Acq On : 11 Oct 2019 9:54
 Operator : SY/MD
 Sample : VSTD0.565
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:47:30 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Oct 14 05:32:30 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	233550	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	183990	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	87799	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	6035	0.45	ug/L	0.00
7) Chloroethane-d5	2.64	69	6073	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.65	63	16507m	0.49	ug/L	0.00
20) 2-Butanone-d5	6.63	46	8314	4.47	ug/L	0.01
24) Chloroform-d	7.23	84	20809	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.92	65	7799	0.53	ug/L	0.00
32) Benzene-d6	7.88	84	39894	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.91	67	11194	0.56	ug/L	0.00
41) Toluene-d8	9.99	98	27897	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	2284	0.42	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	4835	3.63	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	5290	0.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	8972	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	17207	0.457 ug/L	94
3) Chloromethane	2.07	50	10535	0.545 ug/L #	76
5) Vinyl chloride	2.20	62	9123	0.493 ug/L	84
6) Bromomethane	2.54	94	6165	0.502 ug/L	93
8) Chloroethane	2.66	64	5981m	0.556 ug/L	
9) Trichlorofluoromethane	2.99	101	16243	0.465 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	8095	0.547 ug/L	90
12) 1,1-Dichloroethene	3.66	96	7462	0.535 ug/L	79
13) Acetone	3.73	43	7302	5.390 ug/L	74
14) Carbon disulfide	3.97	76	41609	0.437 ug/L	97
15) Methyl Acetate	4.23	43	3165	0.553 ug/L	93
16) Methylene chloride	4.44	84	15490	0.528 ug/L	79
17) Methyl tert-butyl Ether	4.93	73	11441m	0.463 ug/L	
18) trans-1,2-Dichloroethene	4.91	96	13147	0.486 ug/L	86
19) 1,1-Dichloroethane	5.72	63	23216	0.495 ug/L #	96
21) 2-Butanone	6.72	43	9489	4.365 ug/L	89
22) cis-1,2-Dichloroethene	6.69	96	11469	0.467 ug/L #	78
23) Bromochloromethane	7.08	128	3573	0.501 ug/L	81
25) Chloroform	7.26	83	25860	0.559 ug/L	84
27) 1,2-Dichloroethane	8.01	62	9632	0.544 ug/L #	93
29) 1,1,1-Trichloroethane	7.45	97	15977	0.482 ug/L	94
30) Cyclohexane	7.54	56	16805	0.445 ug/L	95
31) Carbon tetrachloride	7.65	117	15335	0.497 ug/L	99
33) Benzene	7.93	78	45738	0.483 ug/L	100
34) Trichloroethene	8.72	95	12899	0.518 ug/L	92
35) Methylcyclohexane	8.97	83	18706	0.504 ug/L	95
37) 1,2-Dichloropropane	9.01	63	10696	0.566 ug/L	99
38) Bromodichloromethane	9.30	83	10365	0.488 ug/L #	90
39) cis-1,3-Dichloropropene	9.74	75	9094	0.437 ug/L	85
40) 4-Methyl-2-pentanone	9.89	43	19095	4.261 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026659.D
 Acq On : 11 Oct 2019 9:54
 Operator : SY/MD
 Sample : VSTD0.565
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:47:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 05:32:30 2019
 Response via : Initial Calibration

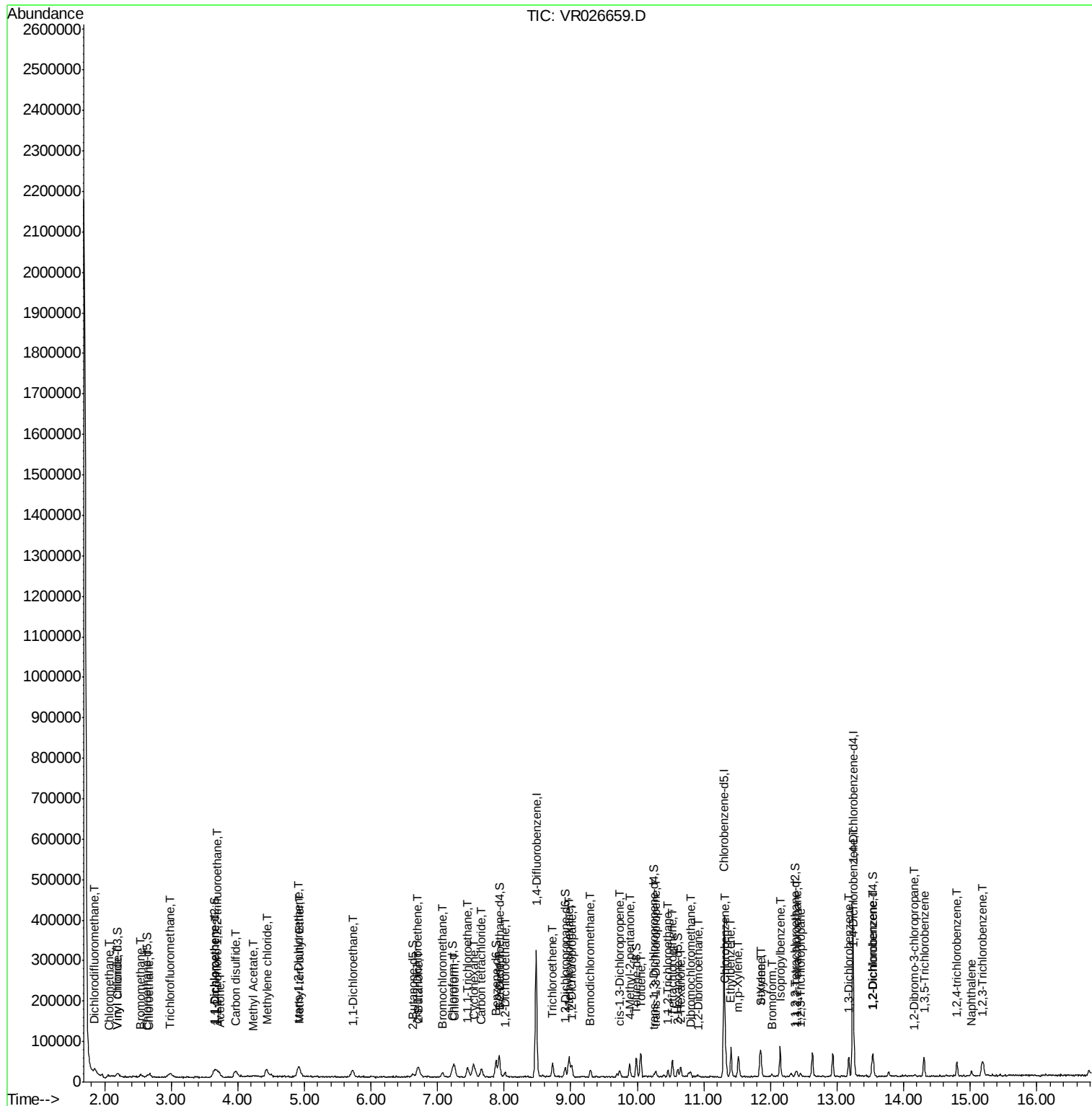
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.05	91	39538	0.470	ug/L	99
44) trans-1,3-Dichloropropene	10.28	75	6235	0.459	ug/L #	68
45) 1,1,2-Trichloroethane	10.46	97	4710	0.527	ug/L	93
47) Tetrachloroethene	10.53	164	7919	0.512	ug/L	93
48) 2-Hexanone	10.65	43	13983	4.652	ug/L #	95
49) Dibromochloromethane	10.80	129	4095	0.430	ug/L	99
50) 1,2-Dibromoethane	10.91	107	3481	0.470	ug/L #	95
51) Chlorobenzene	11.33	112	24022	0.480	ug/L	96
52) Ethylbenzene	11.41	91	44722	0.480	ug/L	97
53) m,p-Xylene	11.52	106	15196	0.442	ug/L	67
54) o-Xylene	11.84	106	13176	0.419	ug/L	84
55) Styrene	11.86	104	19396	0.427	ug/L	87
56) Isopropylbenzene	12.15	105	40265	0.435	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.40	83	5205	0.554	ug/L	97
59) 1,2,3-Trichloropropane	12.45	75	3646m	0.519	ug/L	
61) Bromoform	12.02	173	1884	0.499	ug/L #	88
62) 1,3-Dichlorobenzene	13.18	146	15918	0.477	ug/L	93
63) 1,4-Dichlorobenzene	13.26	146	17904	0.528	ug/L	95
65) 1,2-Dichlorobenzene	13.55	146	14209	0.495	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.16	75	1044m	0.635	ug/L	
67) 1,3,5-Trichlorobenzene	14.31	180	12306	0.481	ug/L	95
68) 1,2,4-trichlorobenzene	14.80	180	8077	0.412	ug/L	93
69) Naphthalene	15.01	128	7176	0.324	ug/L #	88
70) 1,2,3-Trichlorobenzene	15.19	180	7242	0.413	ug/L	90

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

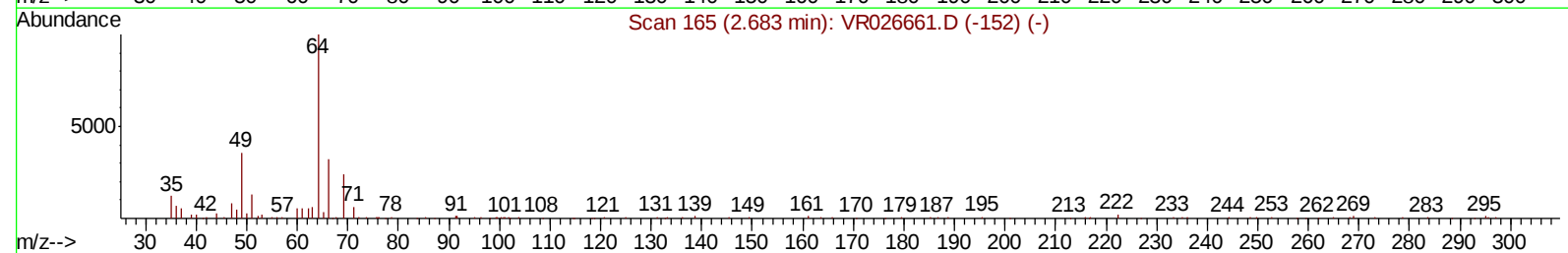
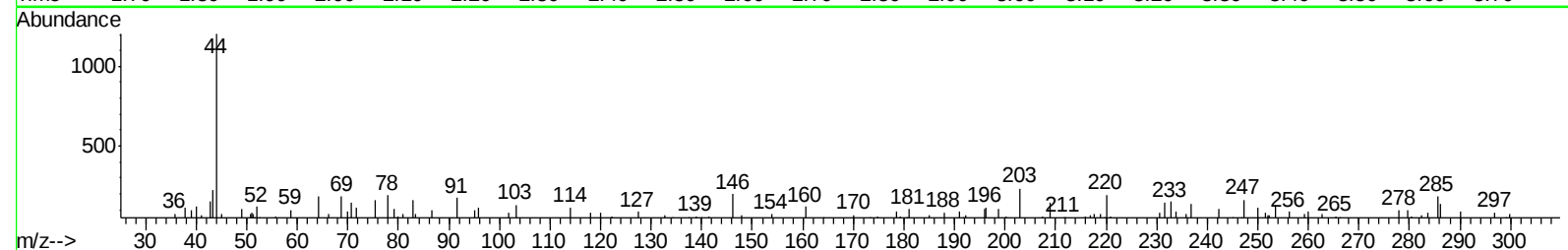
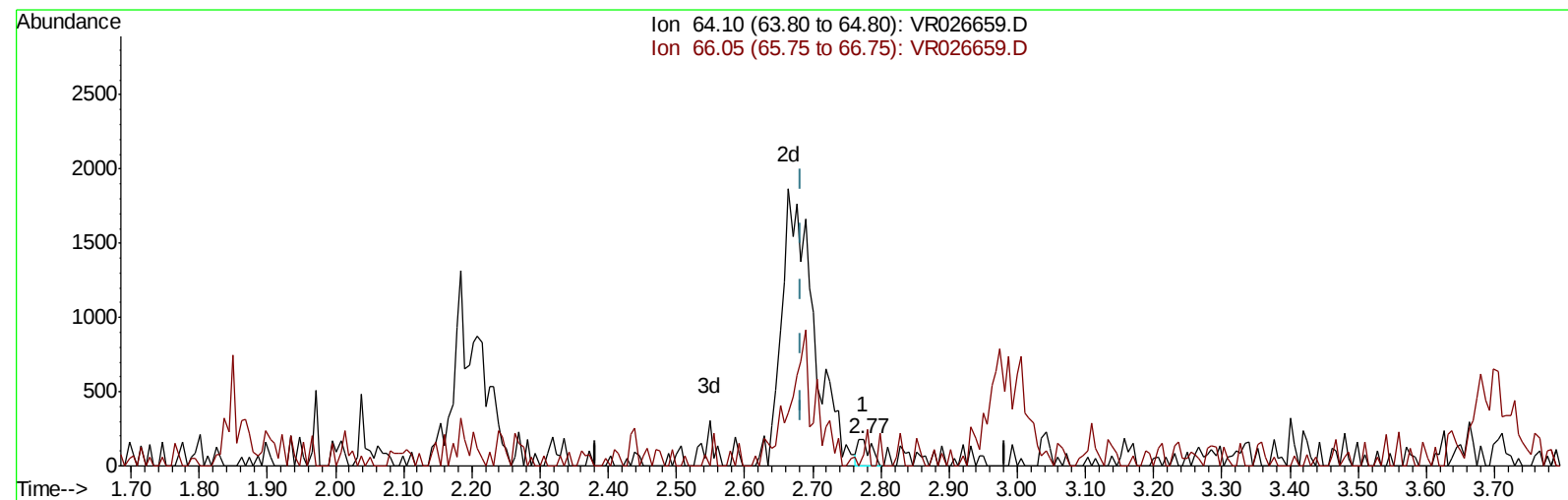
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:47:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

(8) Chloroethane (T)

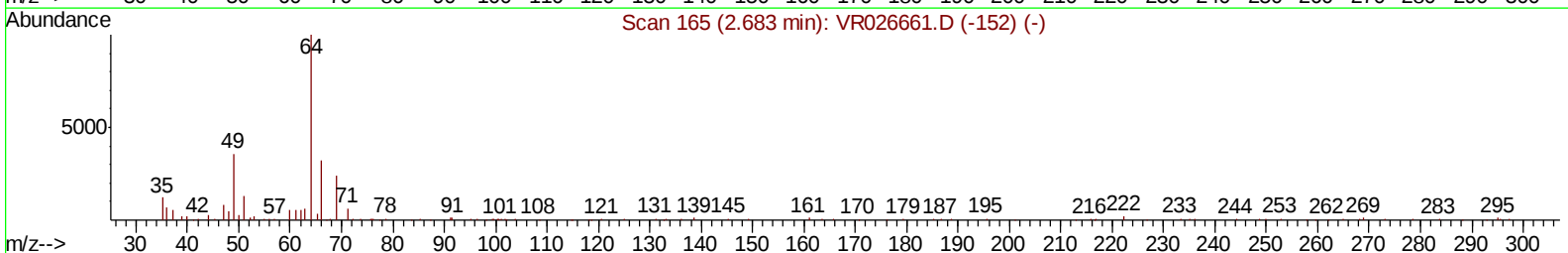
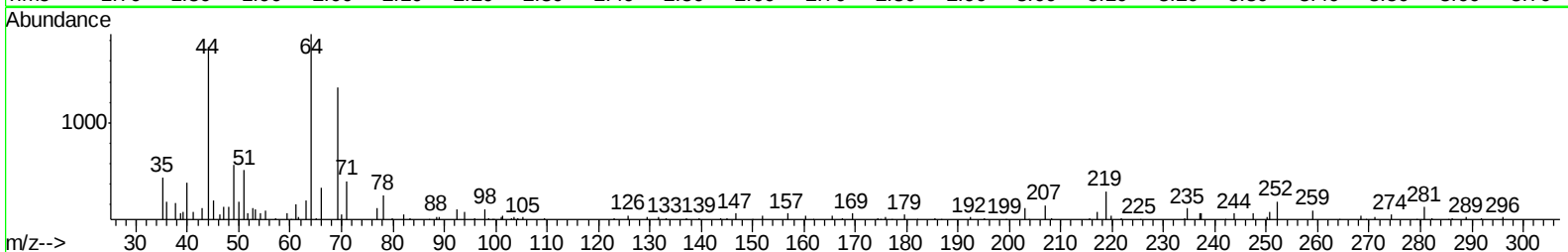
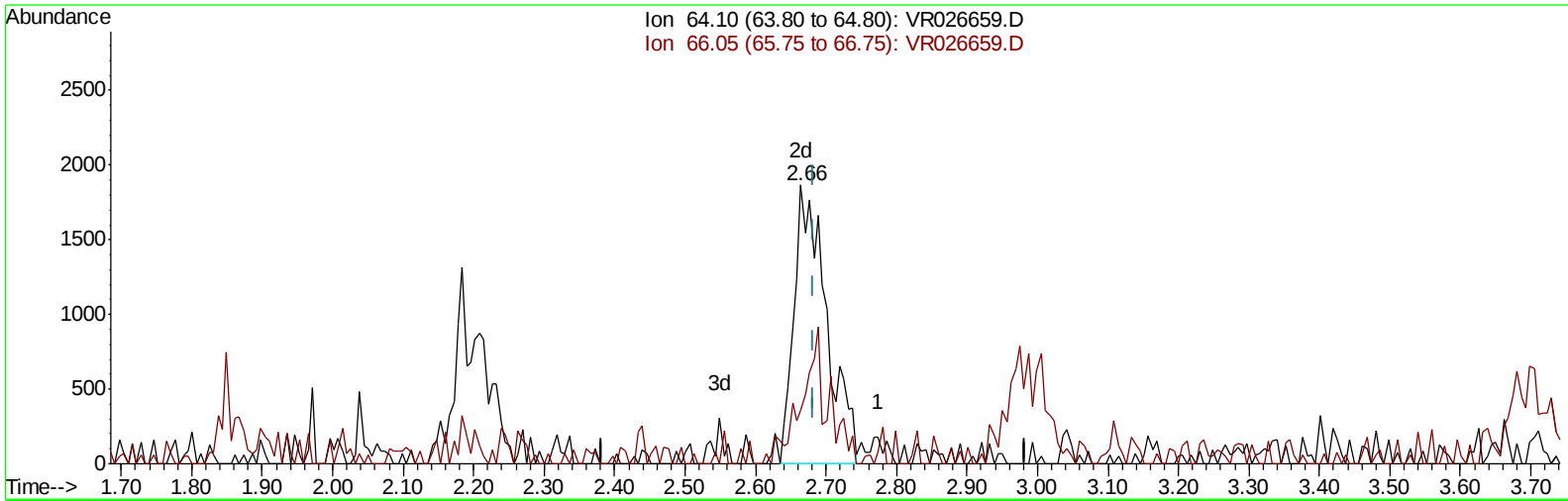
2.774min (+0.091) 0.02ug/L

response 232

Ion	Exp%	Act%
64.10	100	100
66.05	32.30	41.99
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
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Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

(8) Chloroethane (T)

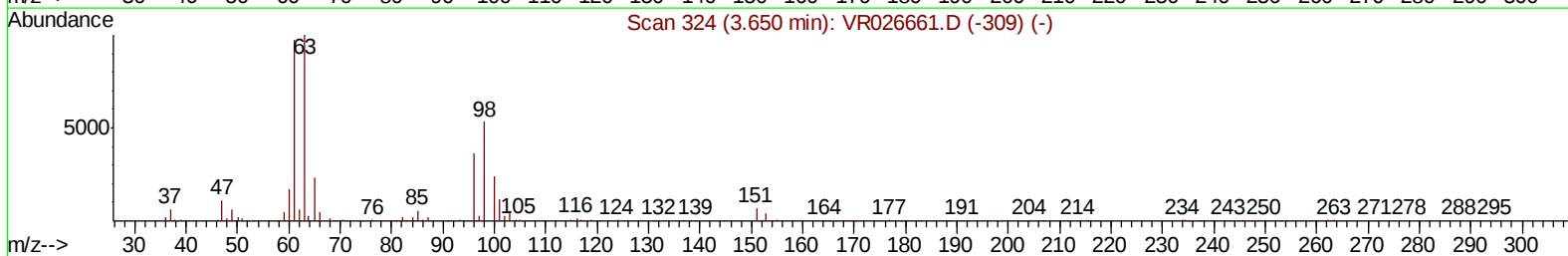
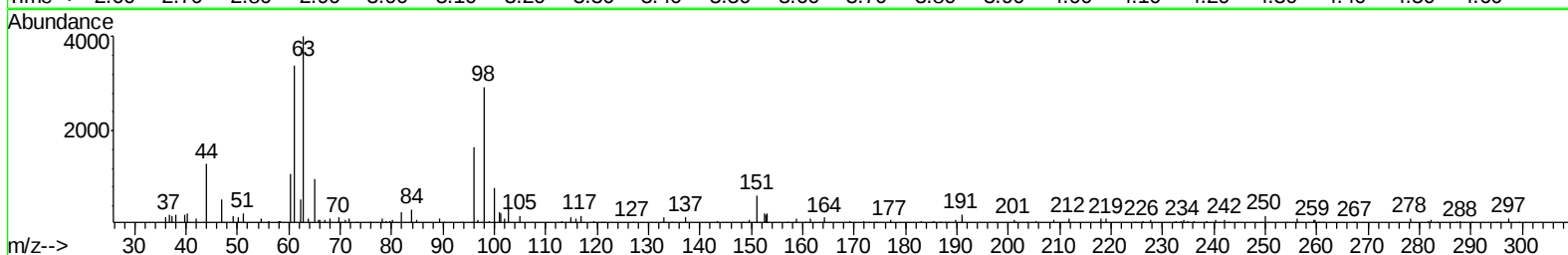
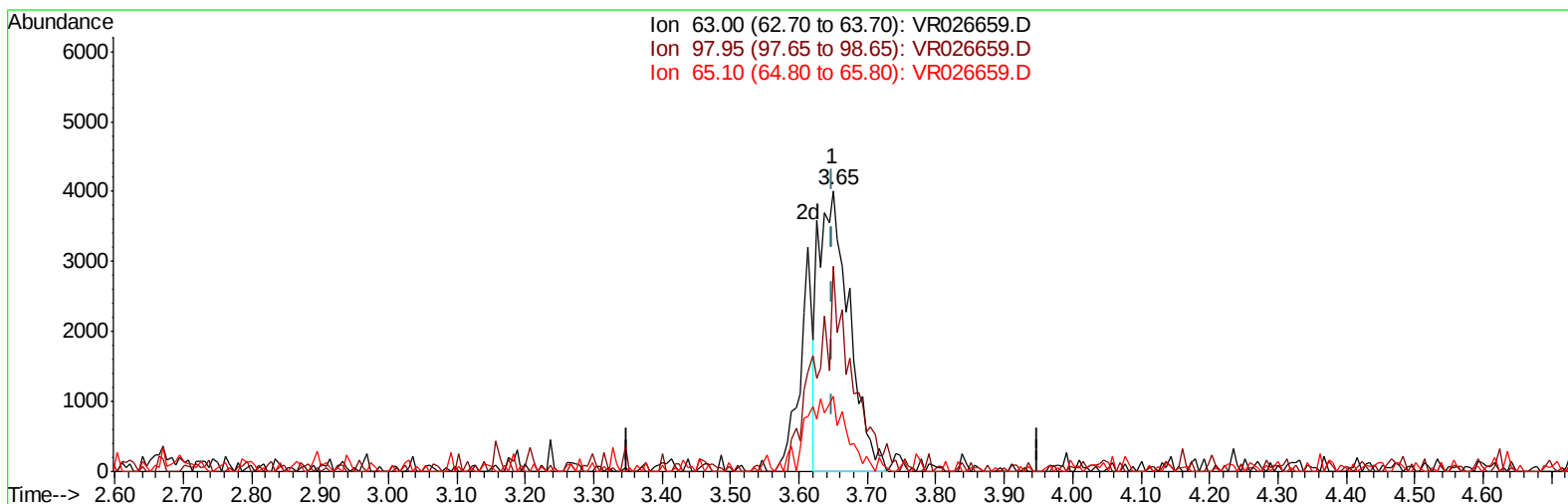
2.665min (-0.018) 0.56ug/L m

response 5981

Ion	Exp%	Act%
64.10	100	100
66.05	32.30	19.18#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

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

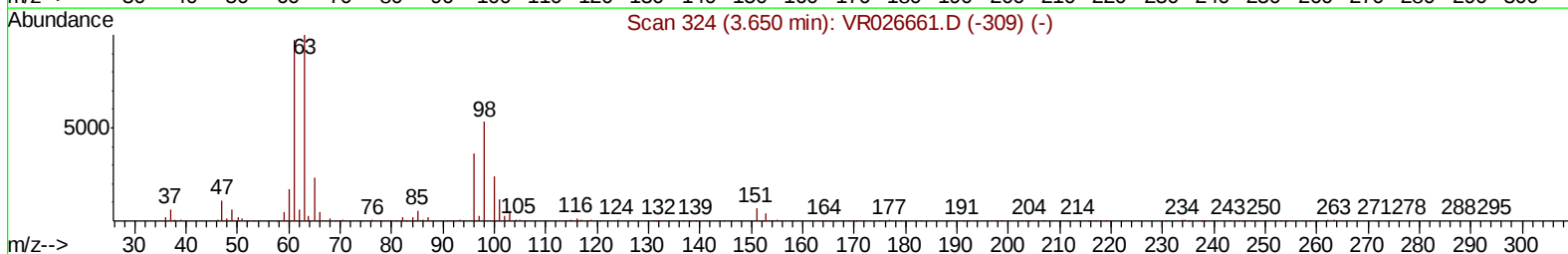
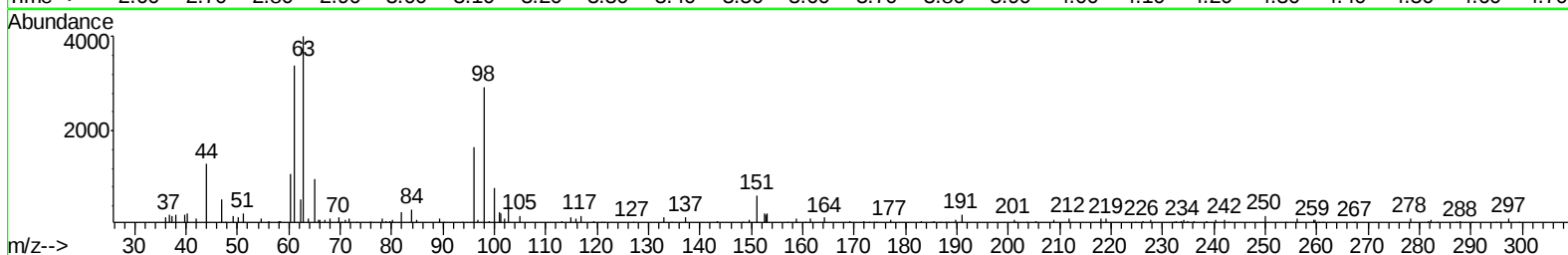
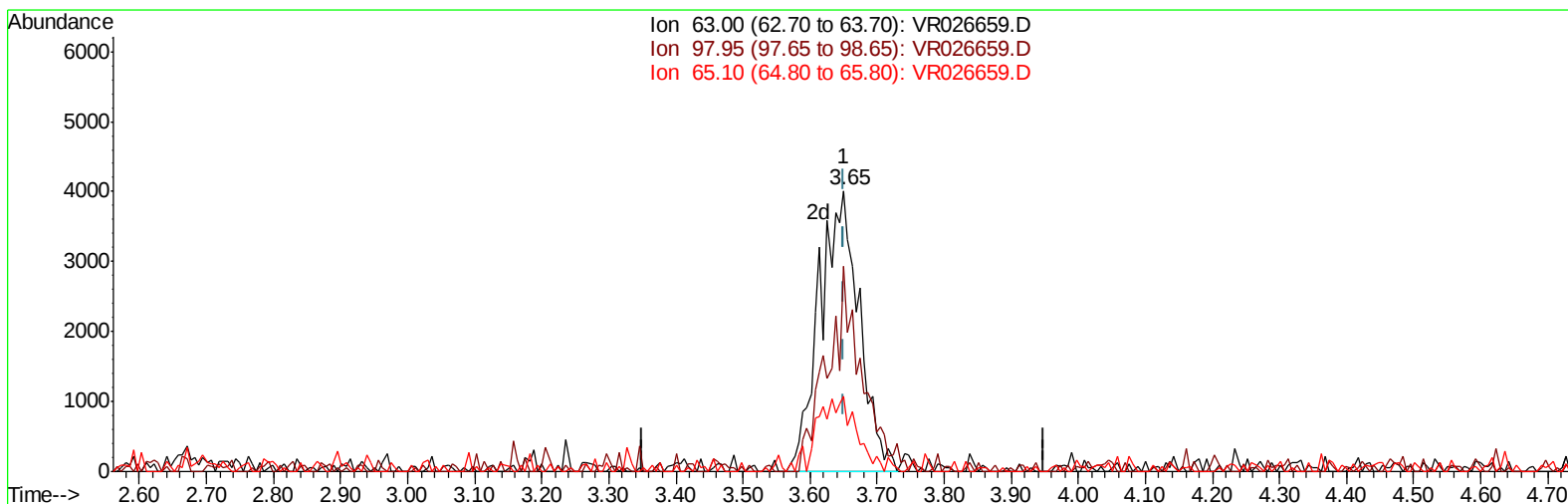
3.650min (+0.000) 0.37ug/L

response 12489

Ion	Exp%	Act%
63.00	100	100
97.95	58.80	81.54#
65.10	22.80	32.41#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
Sample : VSTD0.565
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

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

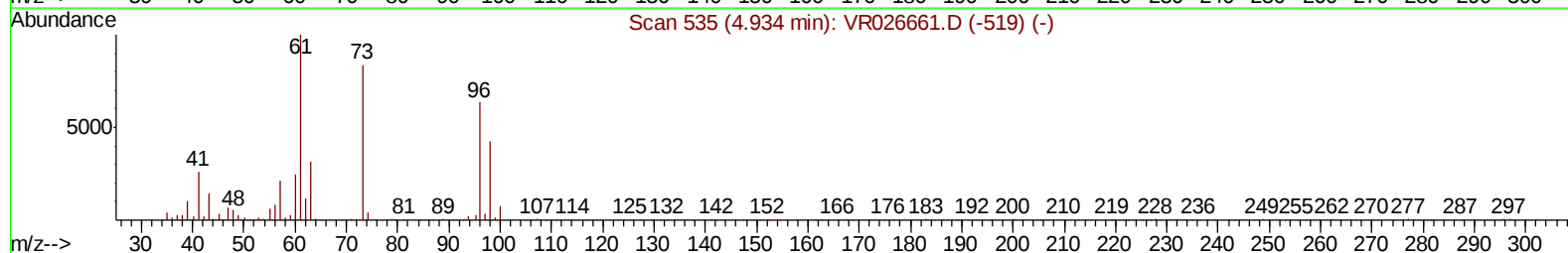
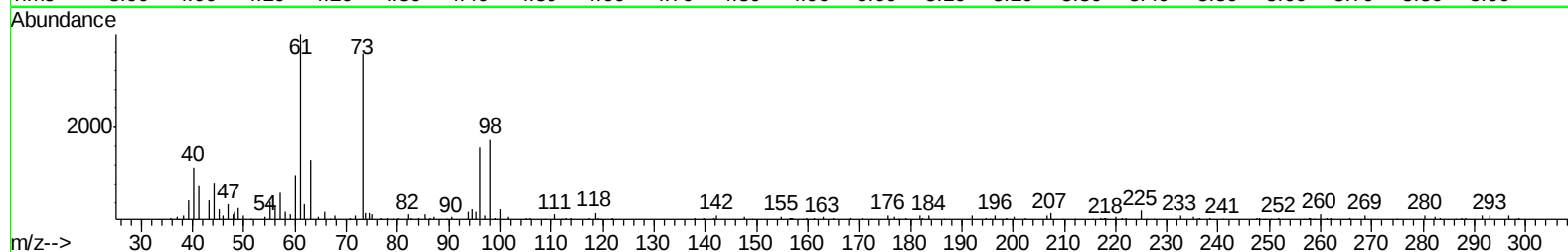
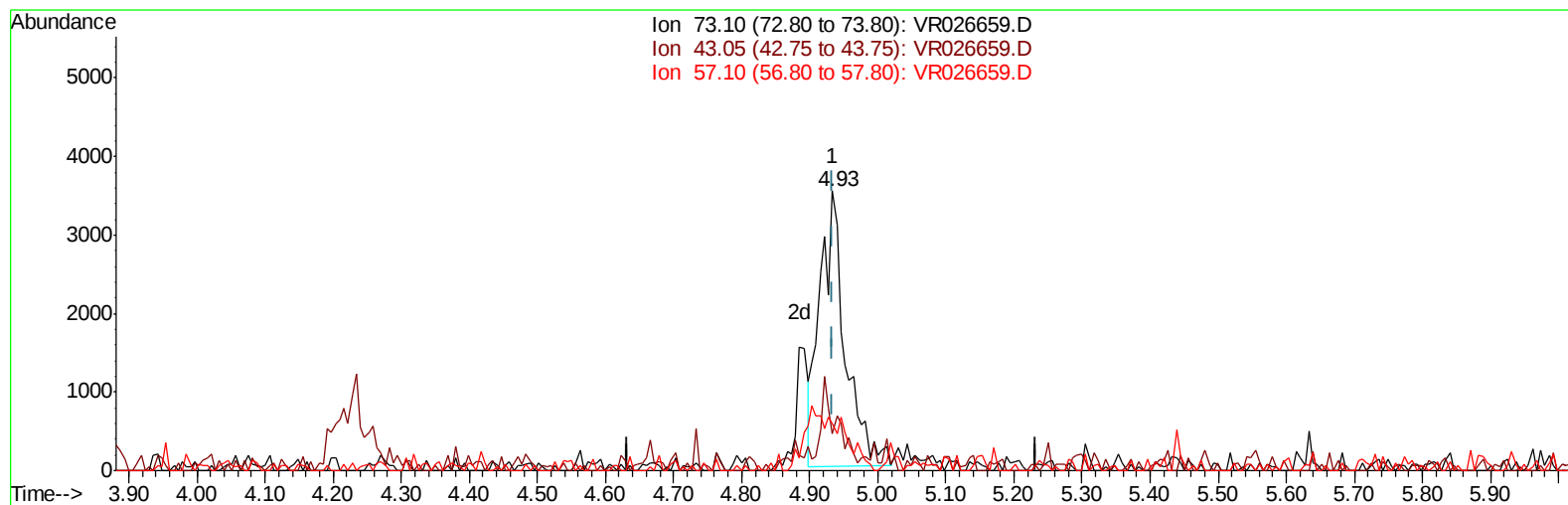
3.650min (+0.000) 0.49ug/L m

response 16507

Ion	Exp%	Act%
63.00	100	100
97.95	58.80	61.69
65.10	22.80	24.52
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026659.D
 Acq On : 11 Oct 2019 9:54
 Operator : SY/MD
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Quant Time: Oct 14 05:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 05:32:30 2019
 Response via : Initial Calibration



TIC: VR026659.D

(17) Methyl tert-butyl Ether (T)

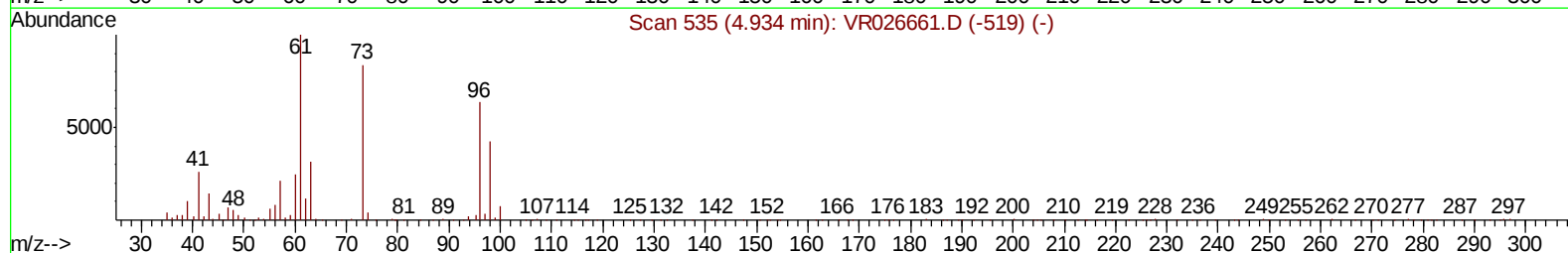
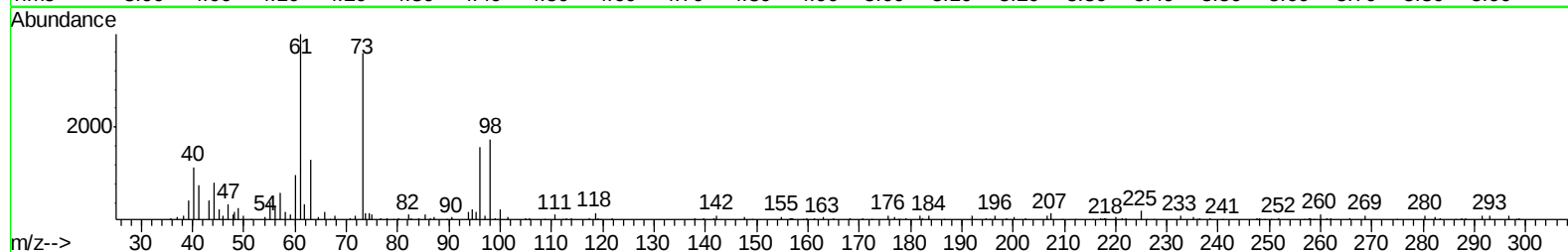
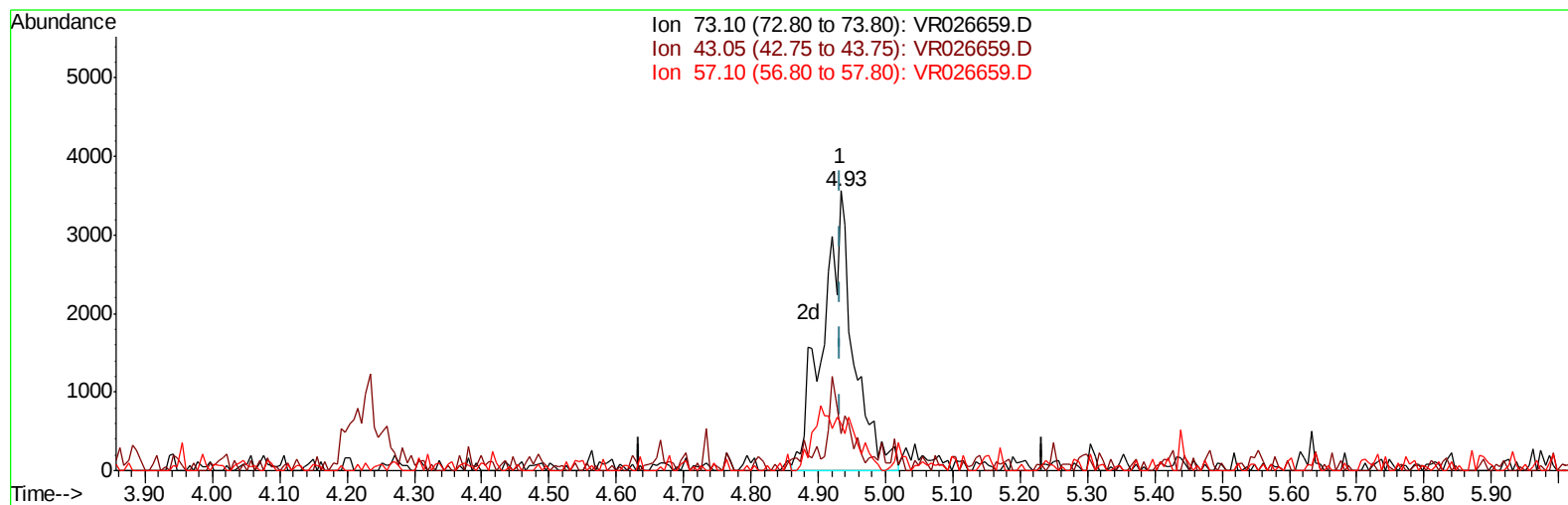
4.934min (+0.000) 0.37ug/L

response 9119

Ion	Exp%	Act%
73.10	100	100
43.05	18.90	21.82
57.10	23.90	34.24#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026659.D
Acq On : 11 Oct 2019 9:54
Operator : SY/MD
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Misc : 25mL/MSVOA R/WATER
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Quant Time: Oct 14 05:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 05:32:30 2019
Response via : Initial Calibration



TIC: VR026659.D

(17) Methyl tert-butyl Ether (T)

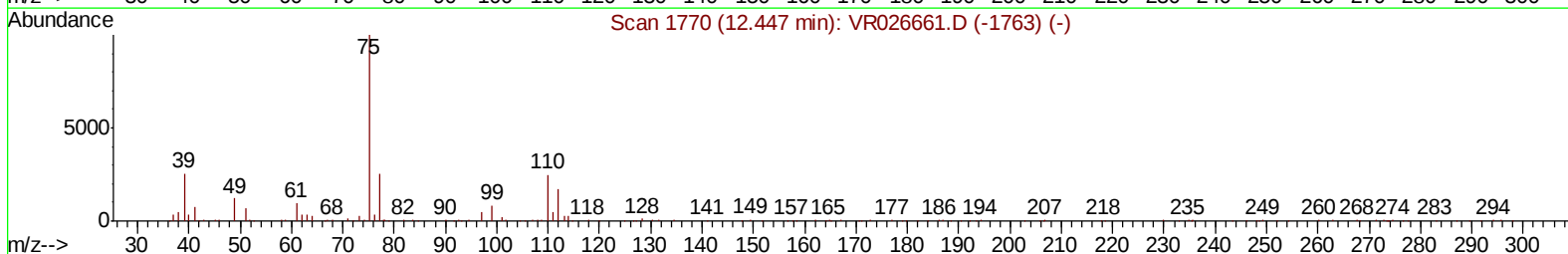
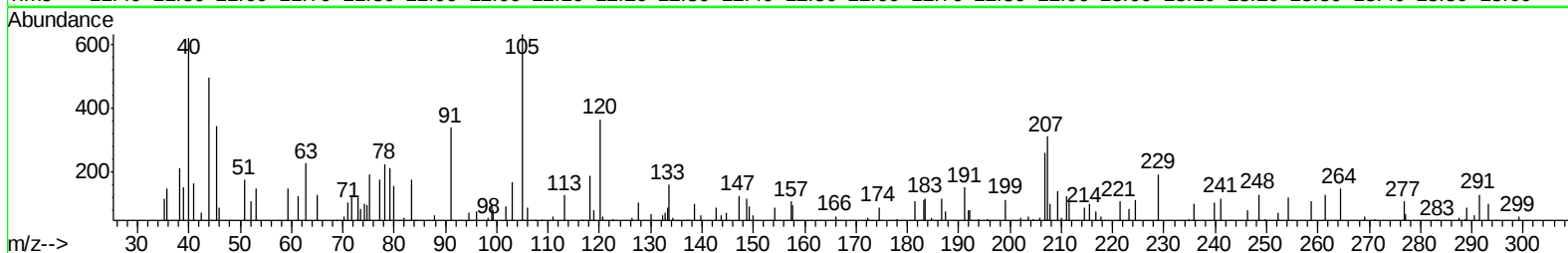
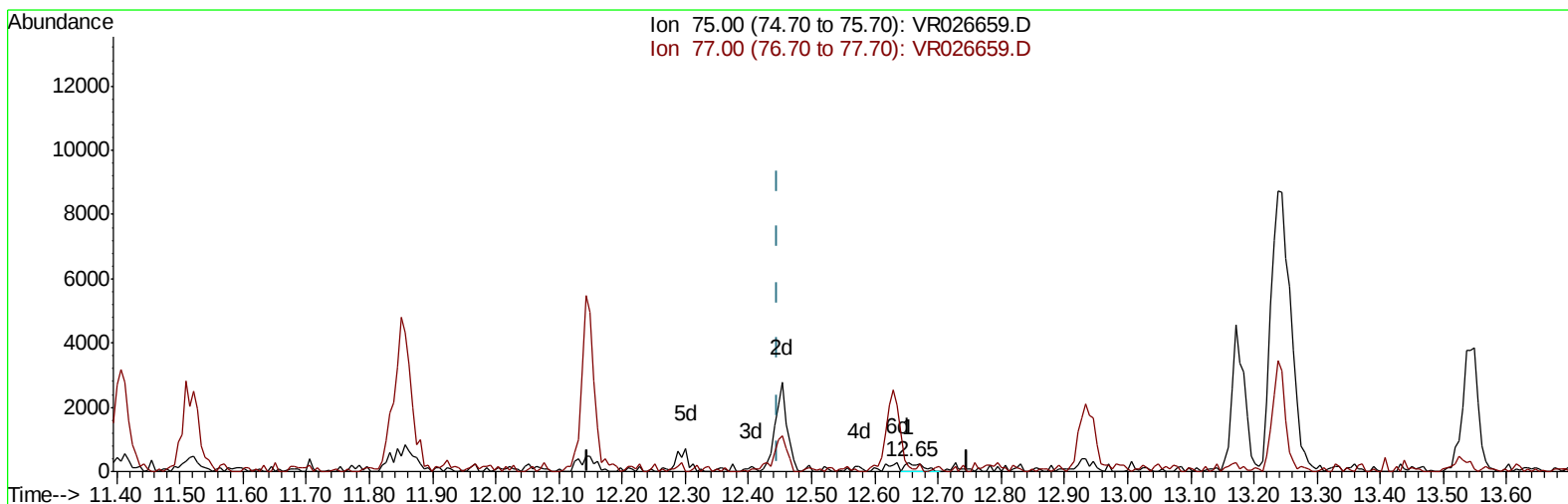
4.934min (+0.000) 0.46ug/L m

response 11441

Ion	Exp%	Act%
73.10	100	100
43.05	18.90	17.39
57.10	23.90	27.29
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026659.D
 Acq On : 11 Oct 2019 9:54
 Operator : SY/MD
 Sample : VSTD0.565
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 05:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 05:32:30 2019
 Response via : Initial Calibration



TIC: VR026659.D

(59) 1,2,3-Trichloropropane
 12.654min (+0.207) 0.07ug/L

response 517

Ion	Exp%	Act%
75.00	100	100
77.00	31.30	28.63
0.00	0.00	0.00
0.00	0.00	0.00