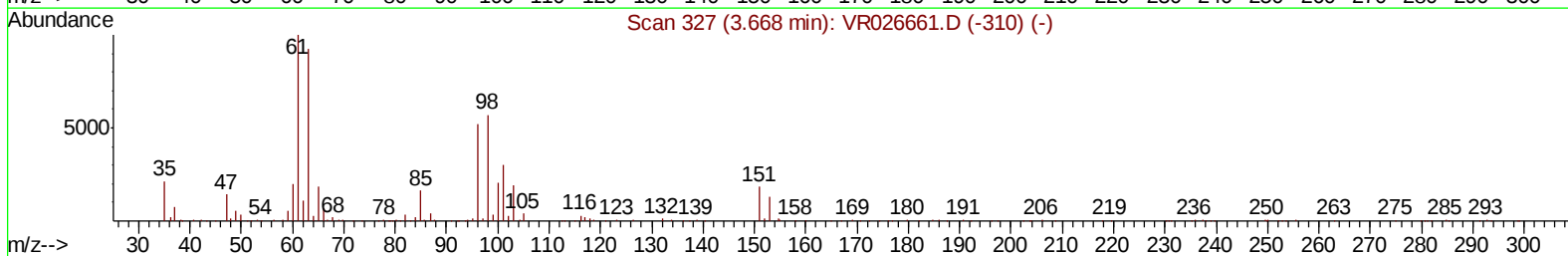
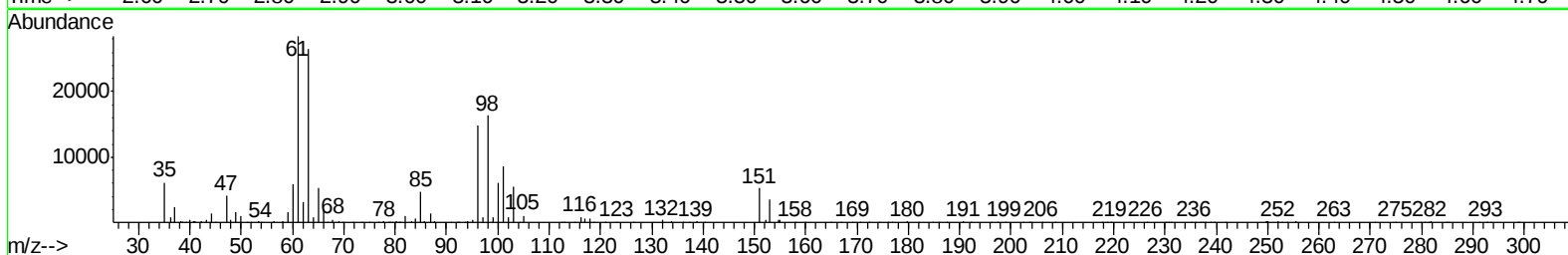
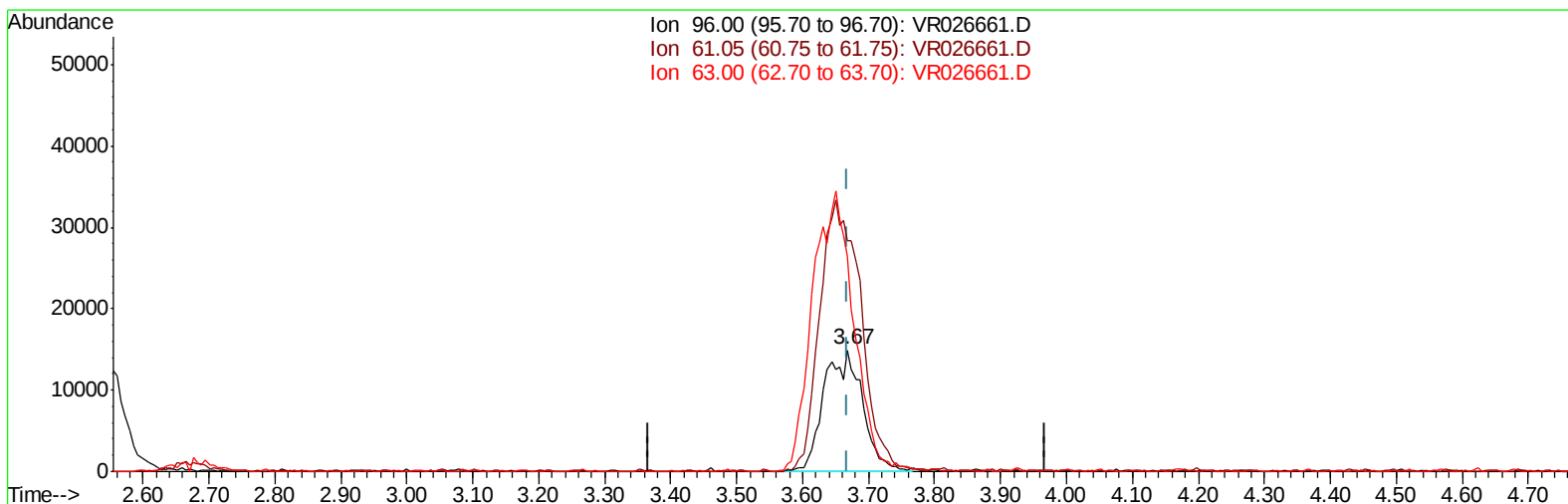


Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
Data File : VR026661.D
Acq On : 11 Oct 2019 11:06
Operator : SY/MD
Sample : VSTD00561
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 05:35:51 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: VR026661.D

(12) 1,1-Dichloroethene (T)

3.668min (0.000) 4.62ug/L m

response 60383

Ion	Exp%	Act%
96.00	100	100
61.05	191.00	191.00
63.00	178.00	177.99
0.00	0.00	0.00

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 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 05:50:14 2019
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 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	218903	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	177371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	85687	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	66505	5.25	ug/L	0.00
7) Chloroethane-d5	2.64	69	54360	4.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.65	63	149786	4.74	ug/L	0.00
20) 2-Butanone-d5	6.62	46	95736	54.88	ug/L	0.00
24) Chloroform-d	7.23	84	198454	5.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.92	65	69396	5.02	ug/L	0.00
32) Benzene-d6	7.88	84	420804	5.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	104797	5.39	ug/L	0.00
41) Toluene-d8	9.99	98	363560	5.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	26995	5.19	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	74592	58.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	46001	5.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	83690	5.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	164214	4.653	ug/L 100
3) Chloromethane	2.06	50	85081	4.693	ug/L 100
5) Vinyl chloride	2.20	62	84778	4.891	ug/L 100
6) Bromomethane	2.54	94	54247	4.717	ug/L 100
8) Chloroethane	2.68	64	49053	4.863	ug/L 100
9) Trichlorofluoromethane	2.98	101	149582	4.571	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	65588	4.733	ug/L 100
12) 1,1-Dichloroethene	3.67	96	60383m	4.621	ug/L
13) Acetone	3.74	43	57445	45.238	ug/L 100
14) Carbon disulfide	3.97	76	436614	4.892	ug/L 100
15) Methyl Acetate	4.22	43	24400	4.552	ug/L 100
16) Methylene chloride	4.43	84	115363	4.196	ug/L 100
17) Methyl tert-butyl Ether	4.93	73	112117	4.836	ug/L 100
18) trans-1,2-Dichloroethene	4.91	96	124123	4.895	ug/L 100
19) 1,1-Dichloroethane	5.72	63	220349	5.012	ug/L 100
21) 2-Butanone	6.72	43	109694	53.835	ug/L 100
22) cis-1,2-Dichloroethene	6.70	96	116461	5.058	ug/L 100
23) Bromochloromethane	7.08	128	30197	4.518	ug/L 100
25) Chloroform	7.25	83	197793	4.562	ug/L 100
27) 1,2-Dichloroethane	8.02	62	78341	4.724	ug/L 100
29) 1,1,1-Trichloroethane	7.46	97	156377	4.892	ug/L 100
30) Cyclohexane	7.54	56	226869	6.239	ug/L 100
31) Carbon tetrachloride	7.67	117	142158	4.781	ug/L 100
33) Benzene	7.93	78	491806	5.386	ug/L 100
34) Trichloroethene	8.73	95	115725	4.823	ug/L 100
35) Methylcyclohexane	8.97	83	207561	5.800	ug/L 100
37) 1,2-Dichloropropane	9.02	63	95832	5.259	ug/L 100
38) Bromodichloromethane	9.30	83	97241	4.751	ug/L 100
39) cis-1,3-Dichloropropene	9.73	75	105480	5.256	ug/L 100
40) 4-Methyl-2-pentanone	9.88	43	257452	59.596	ug/L 100

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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

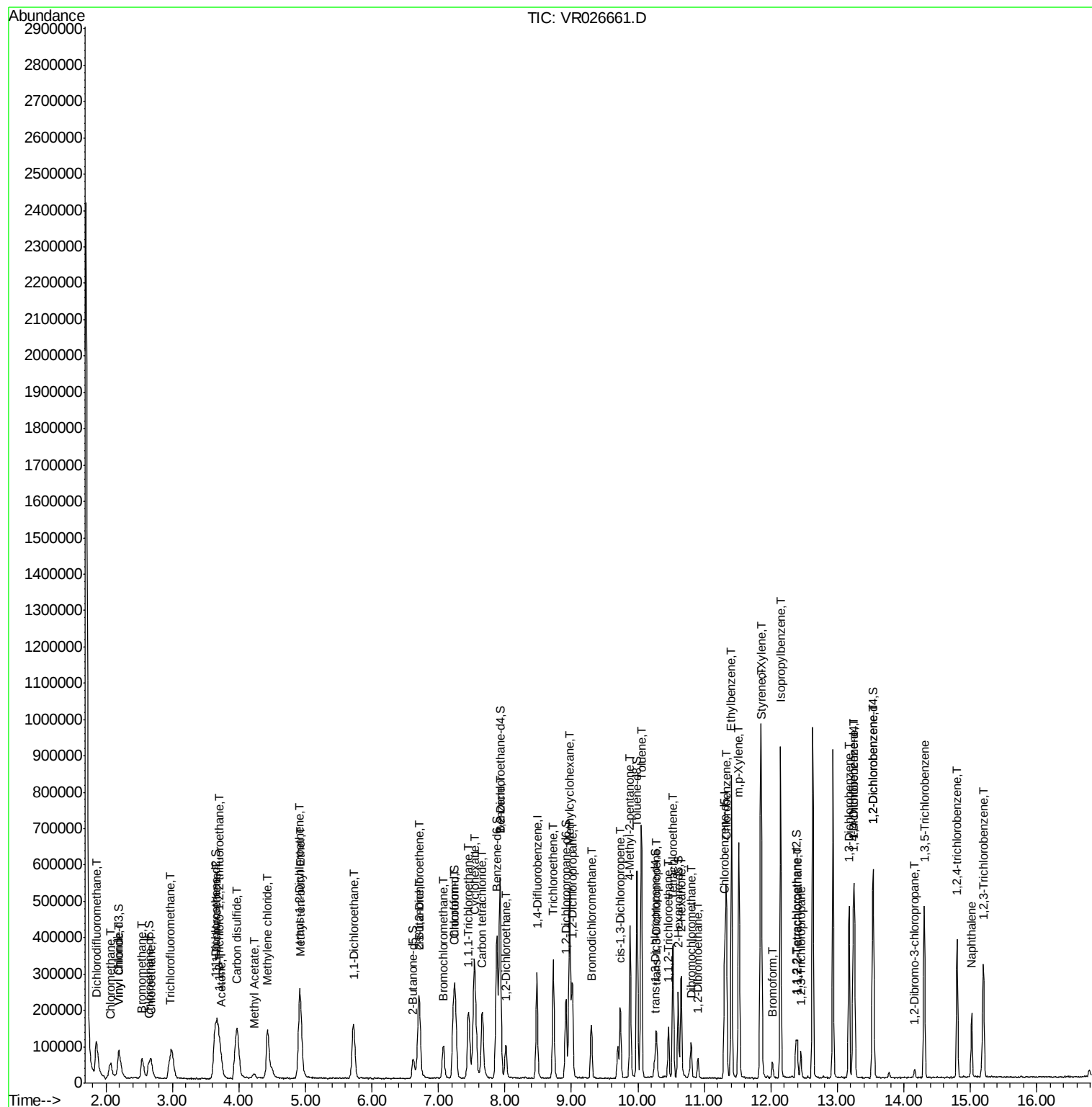
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.05	91	471879	5.815	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	65896	5.029	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	40245	4.672	ug/L	100
47) Tetrachloroethene	10.53	164	73604	4.941	ug/L	100
48) 2-Hexanone	10.65	43	166121	57.325	ug/L	100
49) Dibromochloromethane	10.80	129	44702	4.868	ug/L	100
50) 1,2-Dibromoethane	10.90	107	33477	4.693	ug/L	100
51) Chlorobenzene	11.33	112	239983	4.970	ug/L	100
52) Ethylbenzene	11.41	91	515606	5.746	ug/L	100
53) m,p-Xylene	11.52	106	184781	5.580	ug/L	100
54) o-Xylene	11.84	106	176650	5.830	ug/L	100
55) Styrene	11.86	104	255011	5.824	ug/L	100
56) Isopropylbenzene	12.14	105	519336	5.825	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.40	83	43786	4.836	ug/L	100
59) 1,2,3-Trichloropropane	12.45	75	33252	4.909	ug/L	100
61) Bromoform	12.02	173	16642	4.521	ug/L	100
62) 1,3-Dichlorobenzene	13.18	146	159622	4.903	ug/L	100
63) 1,4-Dichlorobenzene	13.26	146	157716	4.763	ug/L	100
65) 1,2-Dichlorobenzene	13.54	146	139681	4.984	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.16	75	6032	3.762	ug/L	100
67) 1,3,5-Trichlorobenzene	14.31	180	120179	4.808	ug/L	100
68) 1,2,4-trichlorobenzene	14.80	180	93782	4.902	ug/L	100
69) Naphthalene	15.02	128	113182	5.233	ug/L	100
70) 1,2,3-Trichlorobenzene	15.20	180	81711	4.778	ug/L	100

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

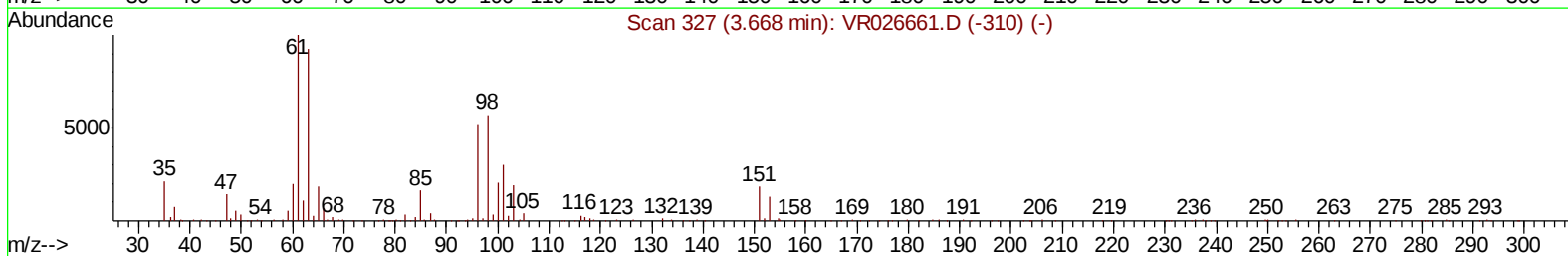
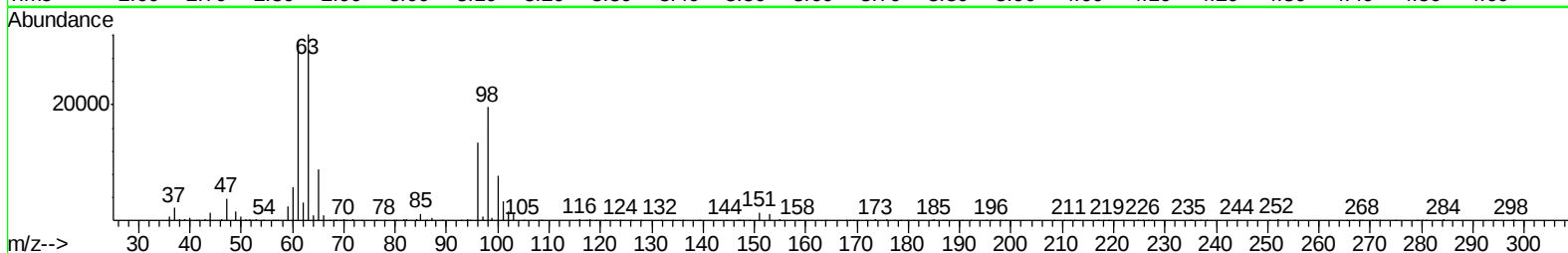
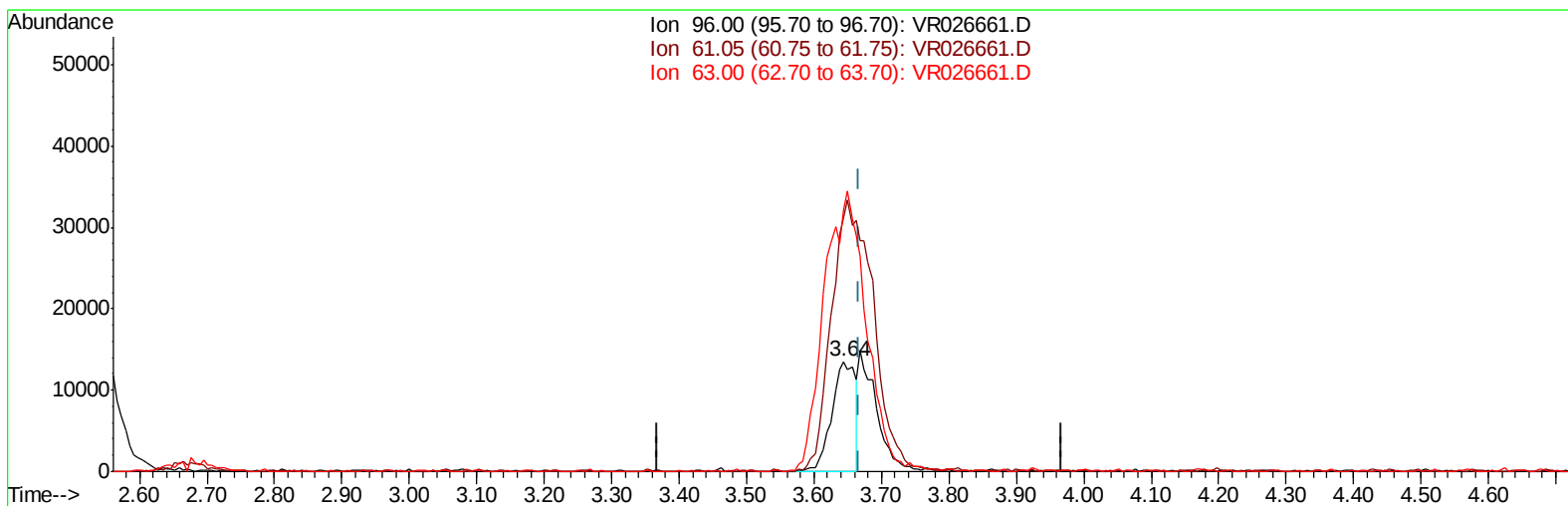
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TIC: VR026661.D

(12) 1,1-Dichloroethene (T)

3.644min (-0.024) 2.49ug/L

response 32602

Ion	Exp%	Act%
96.00	100	100
61.05	191.00	230.40
63.00	178.00	237.67#
0.00	0.00	0.00