

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009749.D
 Acq On : 06 Apr 2019 01:36
 Operator : SY/VA
 Sample : K2277-07
 Misc : 5.47G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF169

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:42:49 AM

Quant Time: Apr 08 06:43:35 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 06 05:36:42 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	437309	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	402844	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177955	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153353	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.20%
7) Chloroethane-d5	2.89	69	140686	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.32%
10) 1,1-Dichloroethene-d2	4.02	63	369928	30.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	120.24%#
20) 2-Butanone-d5	7.08	46	82377	44.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.68%
24) Chloroform-d	7.65	84	341287	28.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	8.30	65	199602	27.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.00%
29) Benzene-d6	8.27	84	663952	31.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.60%
33) 1,2-Dichloropropane-d6	9.27	67	197650	30.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.04%#
37) Toluene-d8	10.32	98	593962	30.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	121.52%
38) trans-1,3-Dichloropropene-	10.58	79	81197	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	10.93	63	55290	44.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147396	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	192711	30.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	123.44%#

Target Compounds

					Qvalue
5) Vinyl chloride	2.37	62	4066m	0.532	ug/L
12) 1,1-Dichloroethene	4.04	96	182183	31.366	ug/L
16) Methylene chloride	4.92	84	10370m	1.345	ug/L
18) trans-1,2-Dichloroethene	5.42	96	4114	0.681	ug/L
19) 1,1-Dichloroethane	6.21	63	40266	3.473	ug/L
22) cis-1,2-Dichloroethene	7.17	96	2551095	394.870	ug/L
35) Trichloroethene	9.09	95	2148415	338.709	ug/L
47) Tetrachloroethene	10.86	164	22706595m	4545.257	ug/L

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

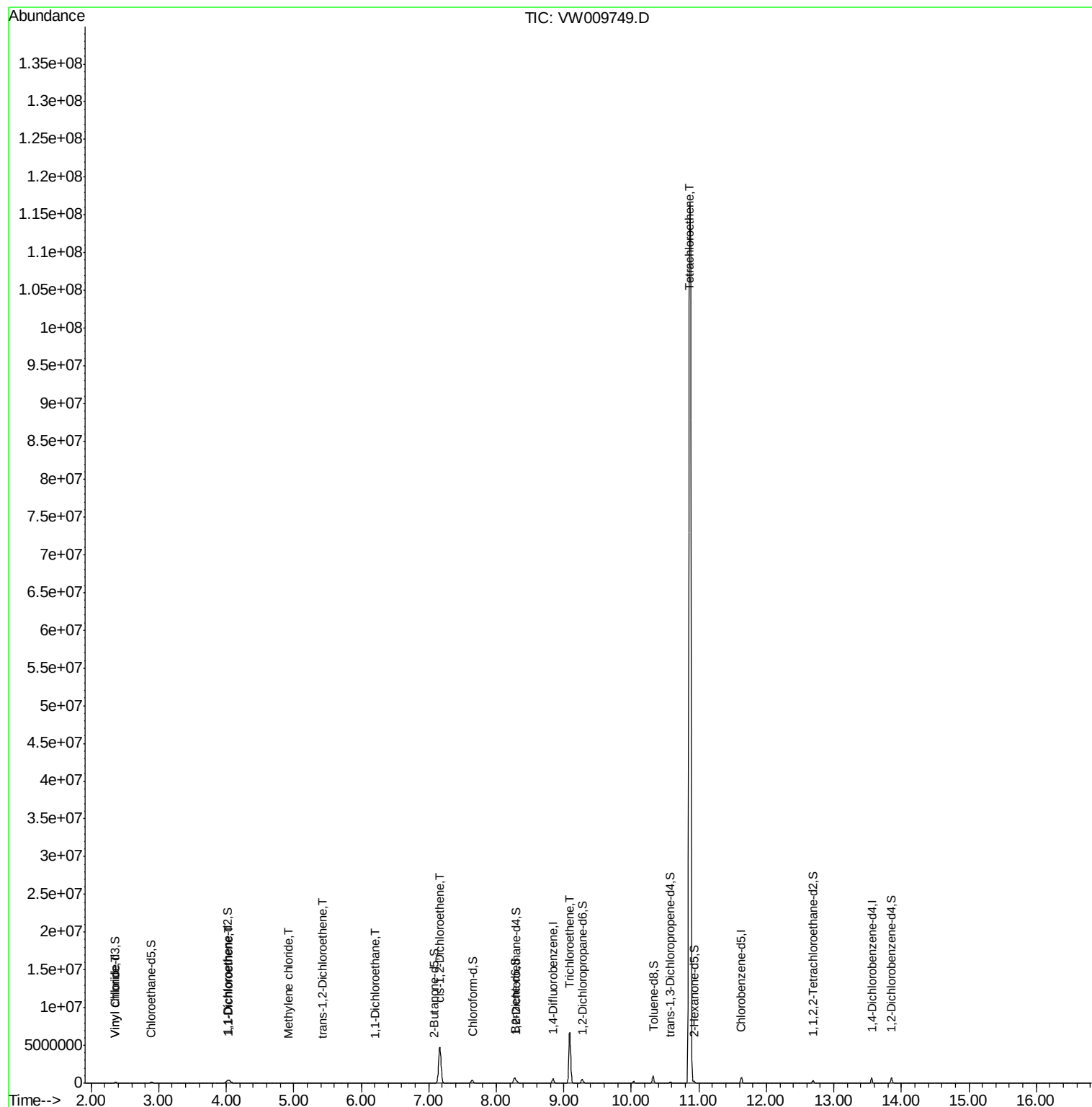
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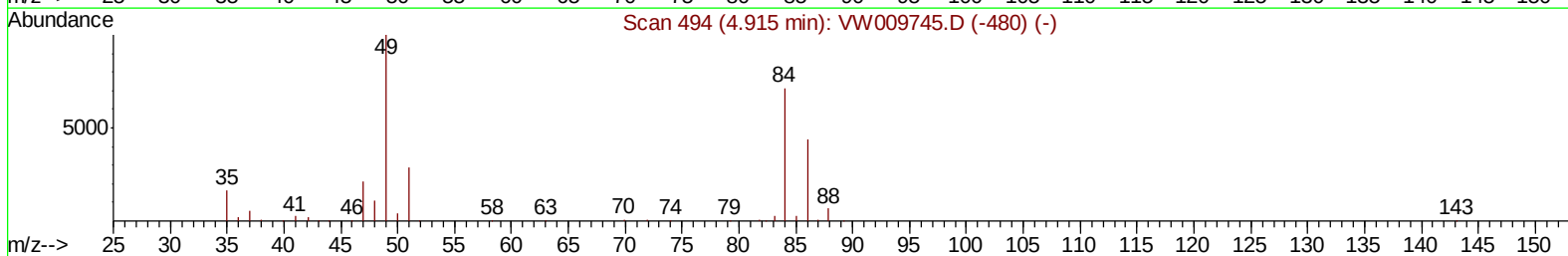
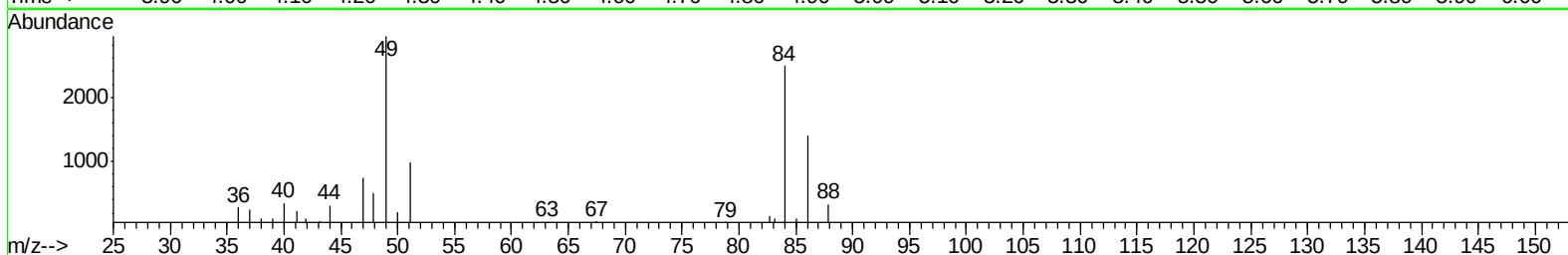
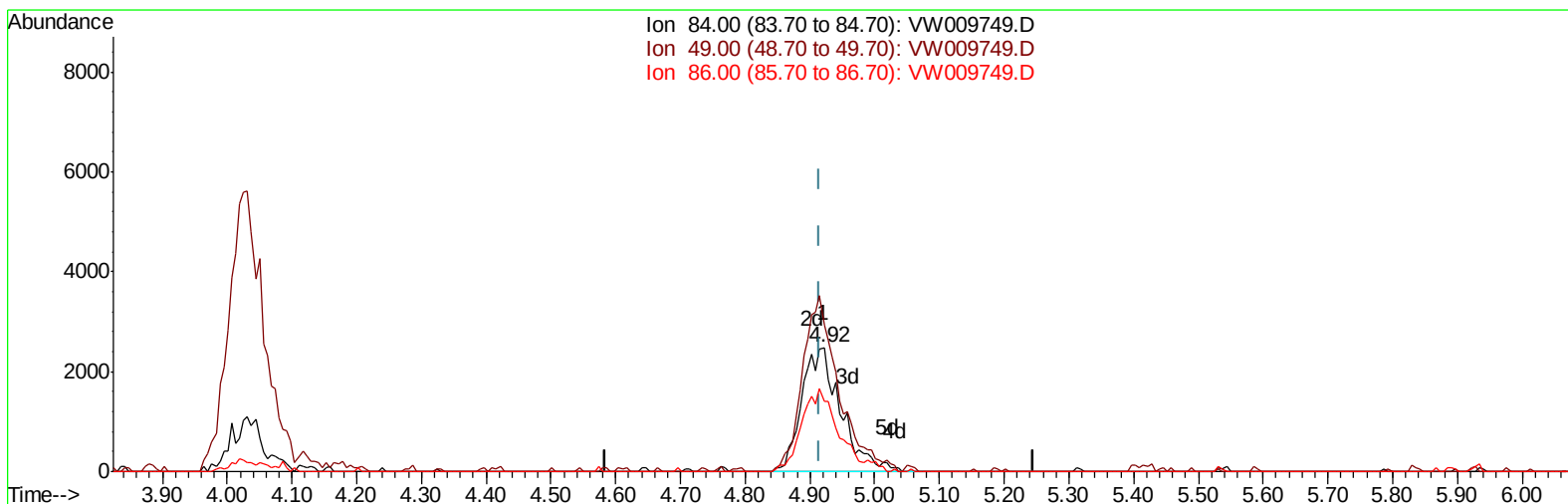
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TIC: VW009749.D

(16) Methylene chloride (T)

4.922min (+0.006) 1.34ug/L m

response 10370

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	118.66
86.00	66.30	56.71
0.00	0.00	0.00

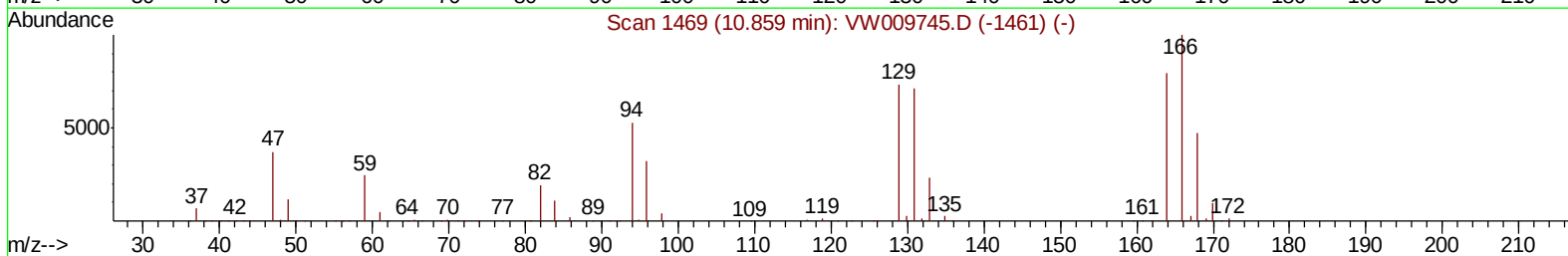
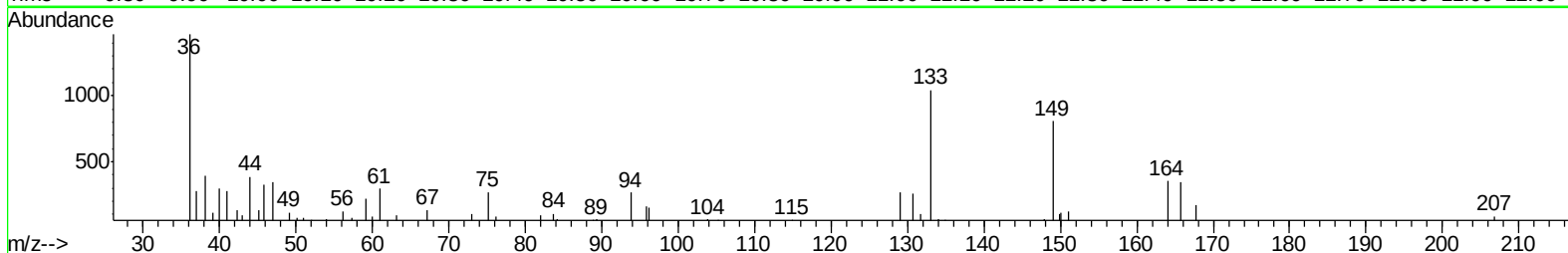
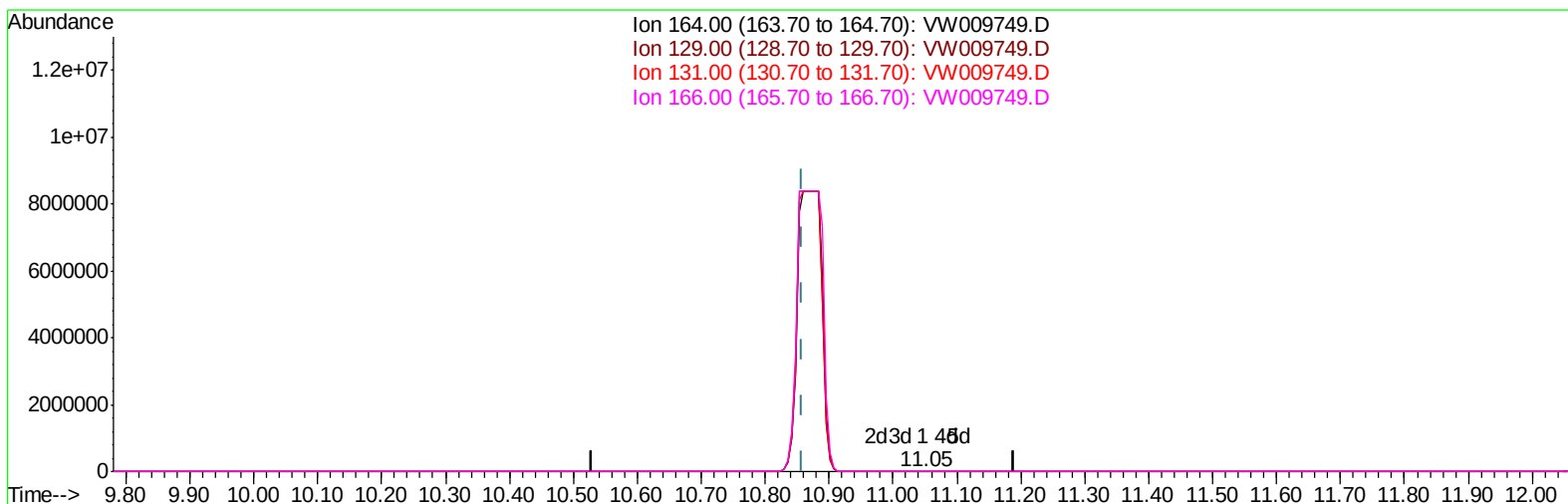
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TIC: VW009749.D

(47) Tetrachloroethene (T)

11.048min (+0.189) 0.04ug/L

response 196

Ion	Exp%	Act%
164.00	100	100
129.00	98.40	74.58
131.00	90.10	100.56
166.00	126.50	98.87

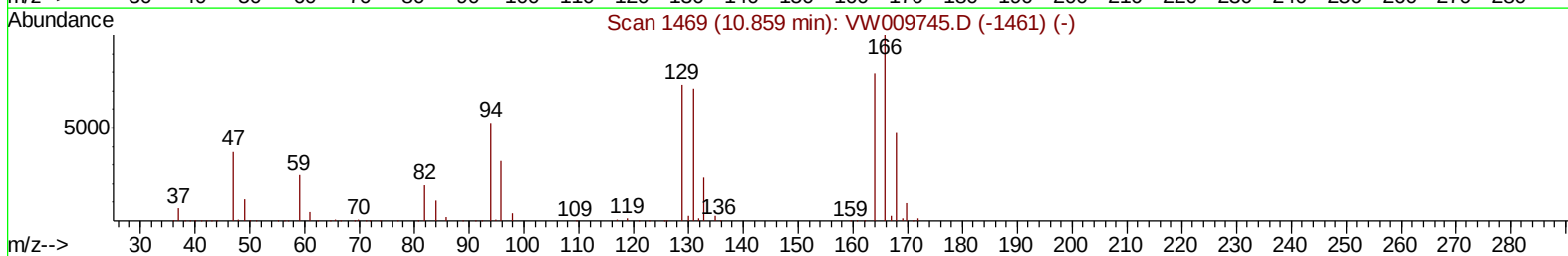
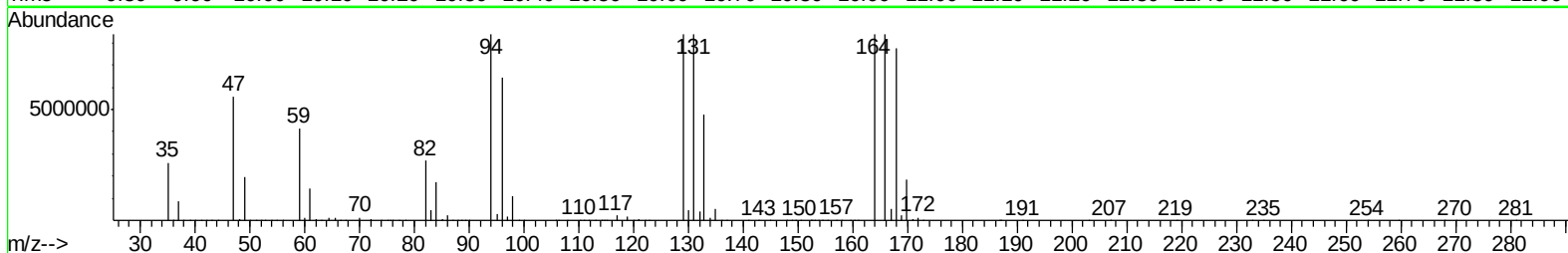
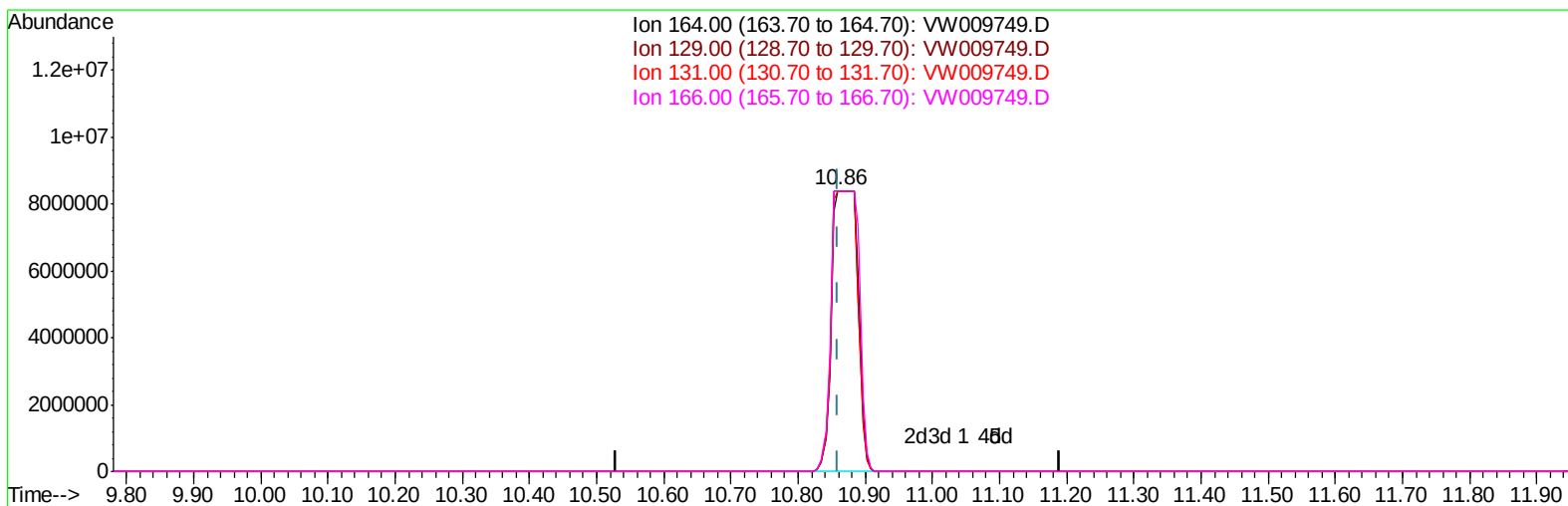
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TIC: VW009749.D

(47) Tetrachloroethene (T)

10.859min (+0.000) 4545.47ug/L m

response 22707681

Ion	Exp%	Act%
164.00	100	100
129.00	98.40	100.00
131.00	90.10	100.00
166.00	126.50	100.00

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1) 1,4-Difluorobenzene	8.84	114	437309	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	402844	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177955	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153353	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.20%
7) Chloroethane-d5	2.89	69	140686	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.32%
10) 1,1-Dichloroethene-d2	4.02	63	369928	30.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	120.24%#
20) 2-Butanone-d5	7.08	46	82377	44.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.68%
24) Chloroform-d	7.65	84	341287	28.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	8.30	65	199602	27.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.00%
29) Benzene-d6	8.27	84	663952	31.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.60%
33) 1,2-Dichloropropane-d6	9.27	67	197650	30.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.04%#
37) Toluene-d8	10.32	98	593962	30.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	121.52%
38) trans-1,3-Dichloropropene-	10.58	79	81197	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	10.93	63	55290	44.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147396	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	192711	30.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	123.44%#

Target Compounds

					Qvalue
5) Vinyl chloride	2.37	62	4066m	0.532 ug/L	
12) 1,1-Dichloroethene	4.04	96	182183	31.366 ug/L	81
16) Methylene chloride	4.92	84	10370m	1.345 ug/L	
18) trans-1,2-Dichloroethene	5.42	96	4114	0.681 ug/L	85
19) 1,1-Dichloroethane	6.21	63	40266	3.473 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	2551095	394.870 ug/L	98
35) Trichloroethene	9.09	95	2148415	338.709 ug/L	99
47) Tetrachloroethene	10.86	164	22707681m	4545.475 ug/L	

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

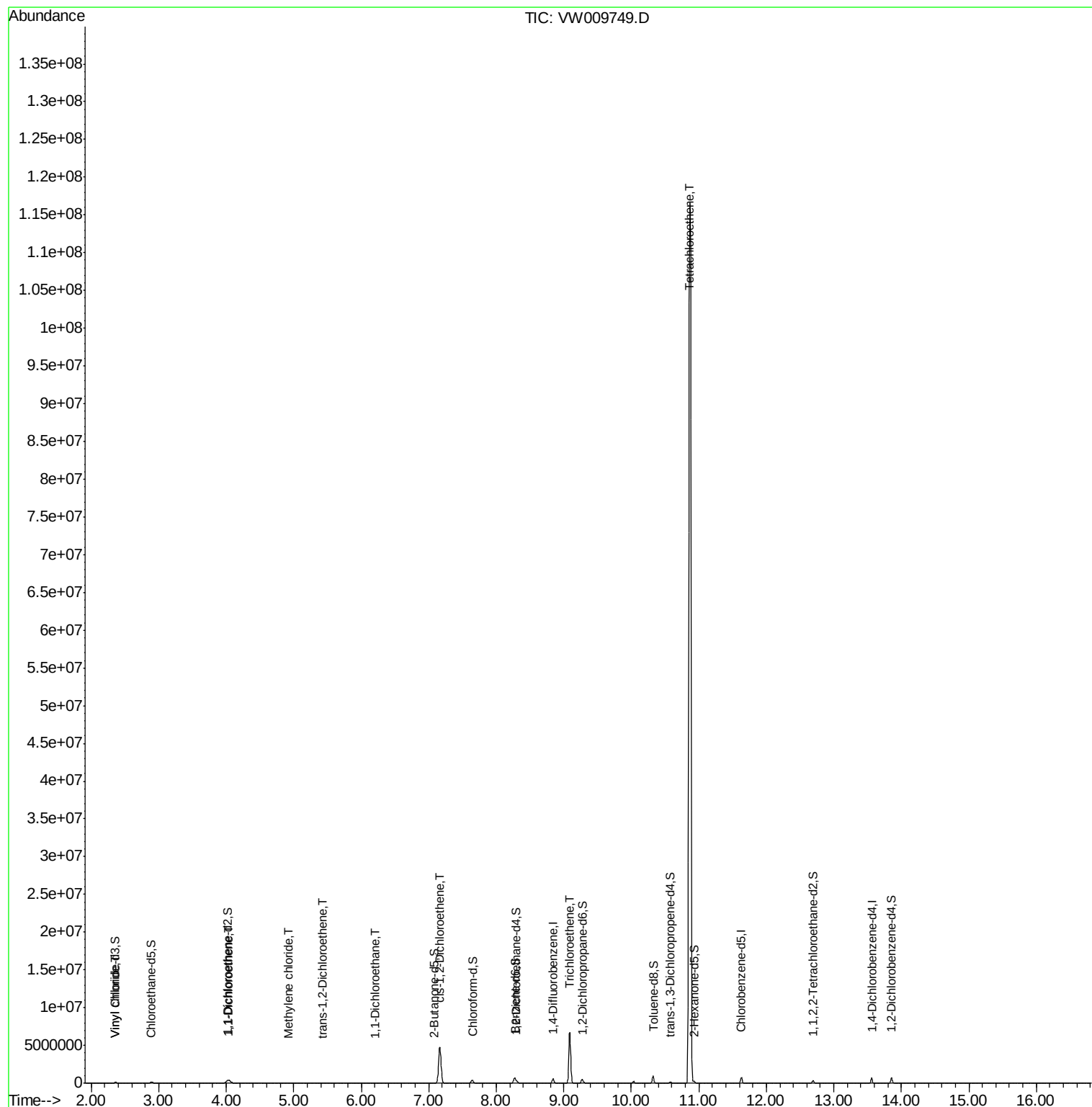
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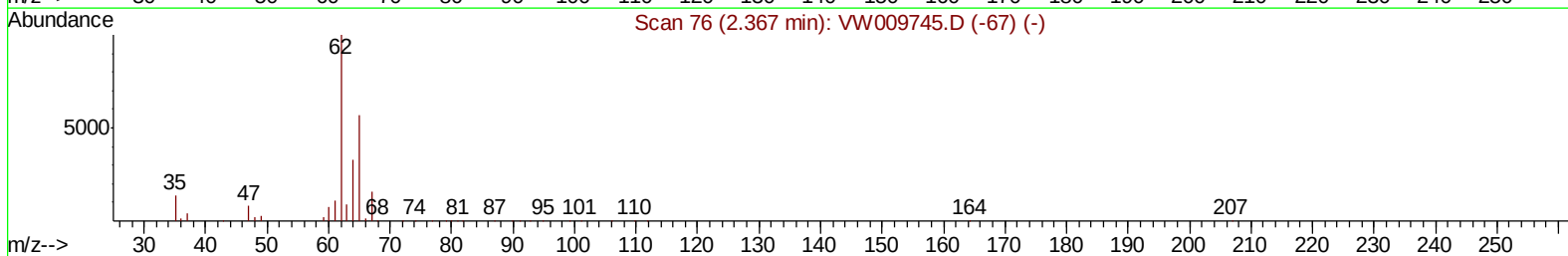
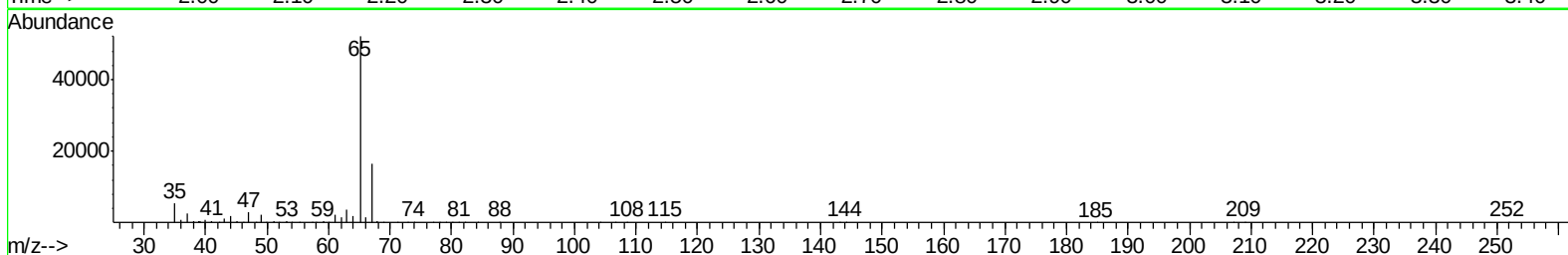
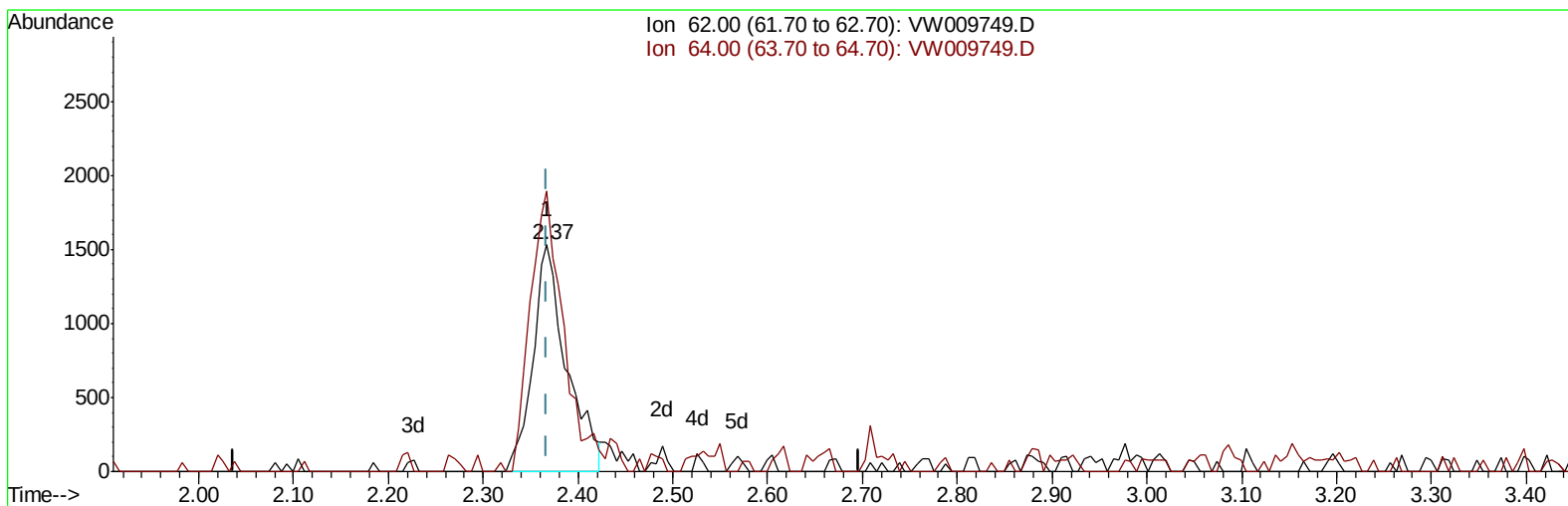
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TIC: VW009749.D

(5) Vinyl chloride (T)

2.367min (+0.000) 0.50ug/L

response 3786

Ion	Exp%	Act%
62.00	100	100
64.00	31.20	123.78#
0.00	0.00	0.00
0.00	0.00	0.00

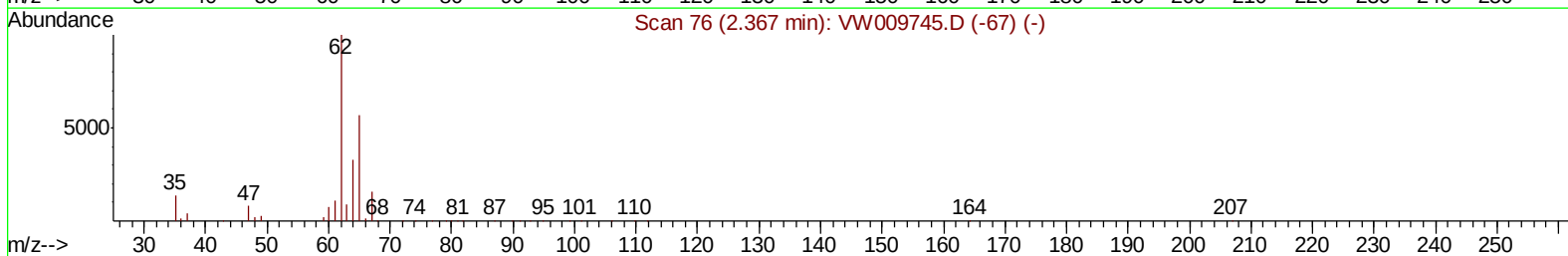
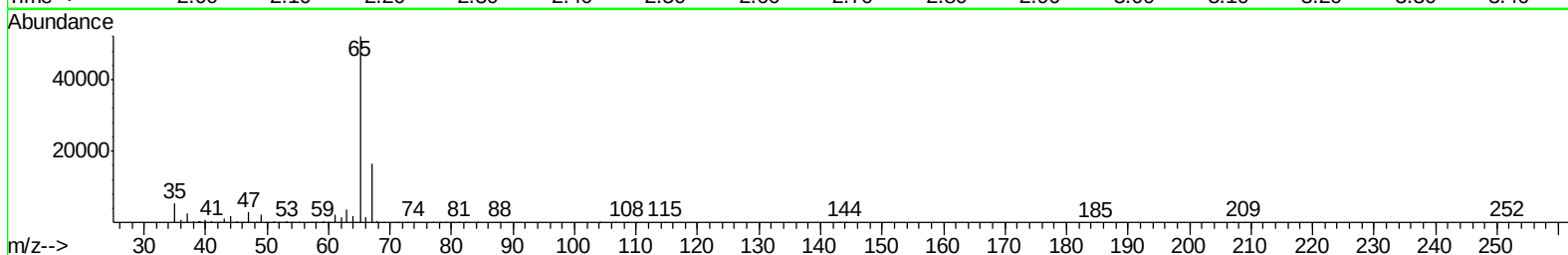
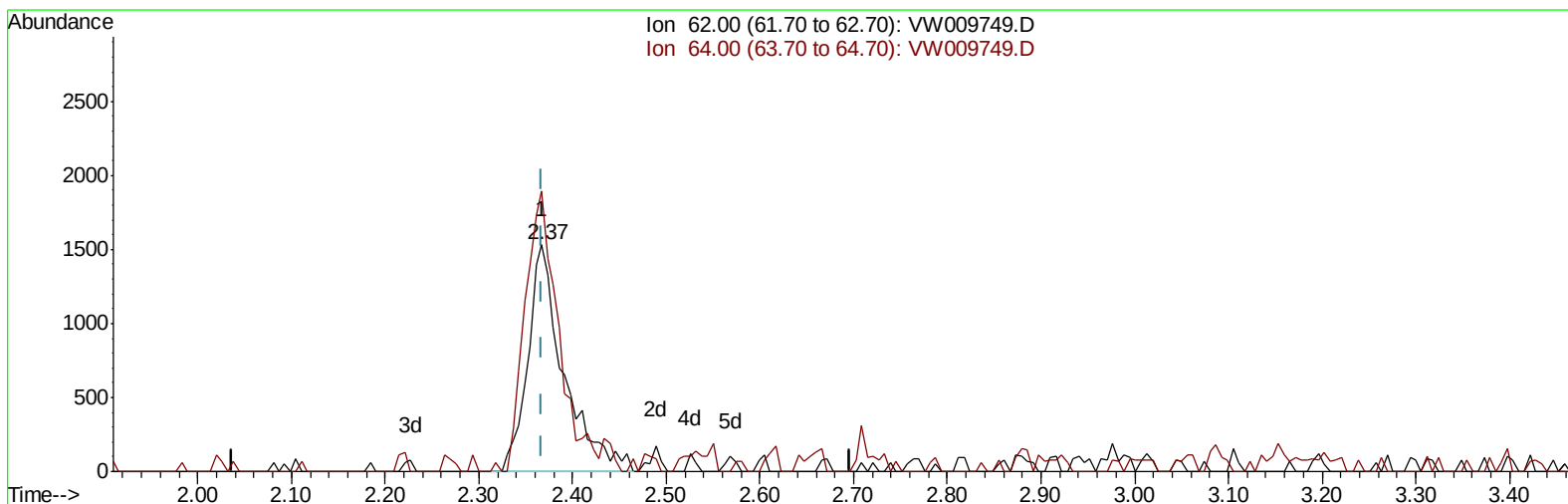
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(5) Vinyl chloride (T)

2.367min (+0.000) 0.53ug/L m

response 4066

Ion	Exp%	Act%
62.00	100	100
64.00	31.20	123.78#
0.00	0.00	0.00
0.00	0.00	0.00

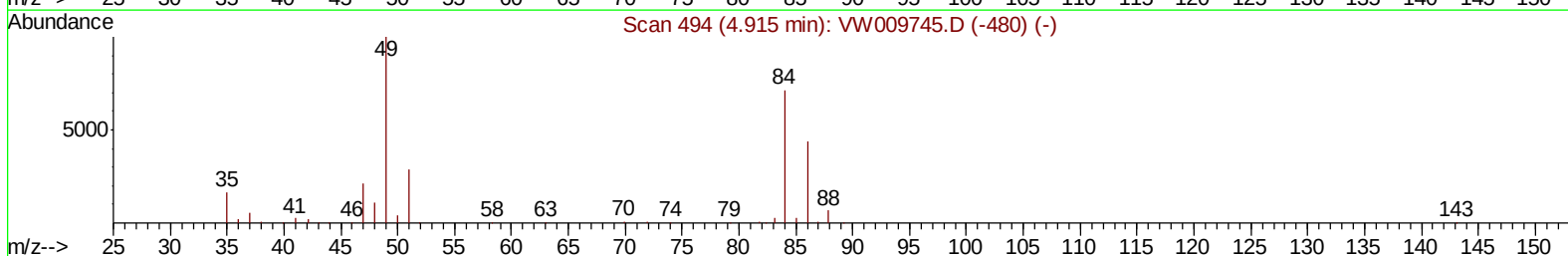
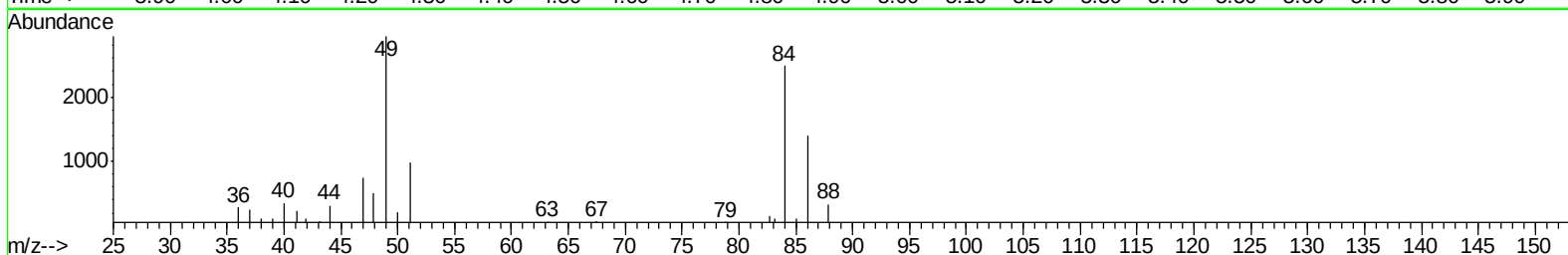
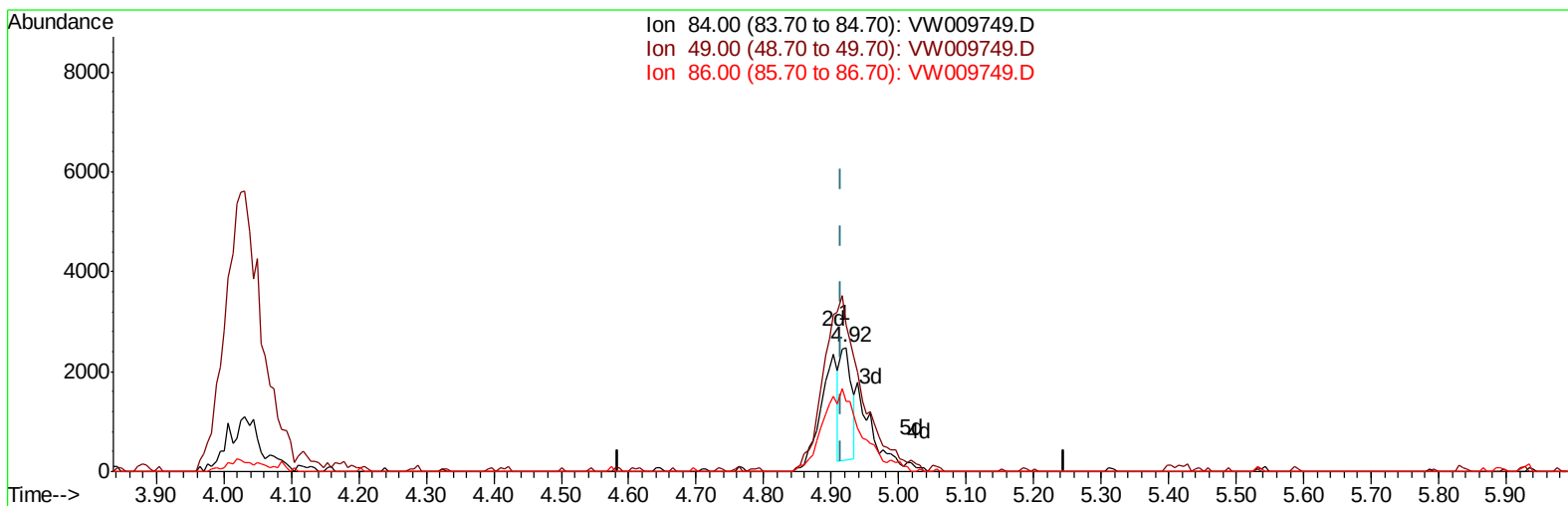
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(16) Methylene chloride (T)

4.922min (+0.006) 0.35ug/L

response 2688

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	118.66
86.00	66.30	56.71
0.00	0.00	0.00

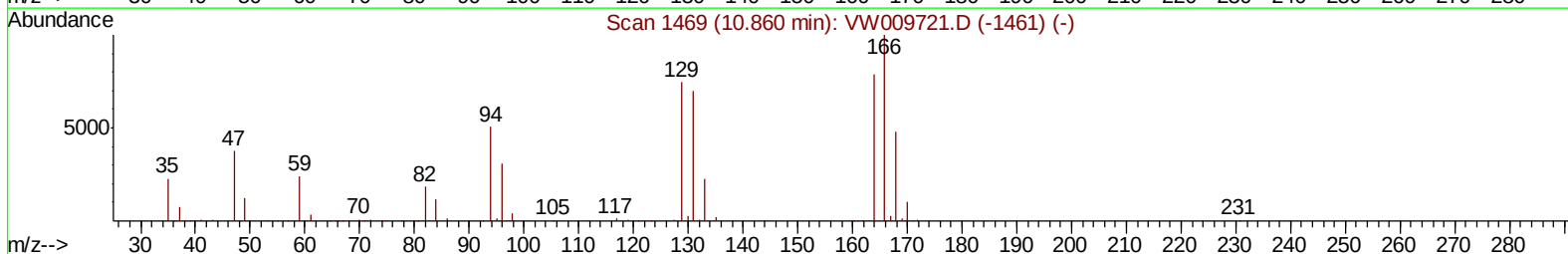
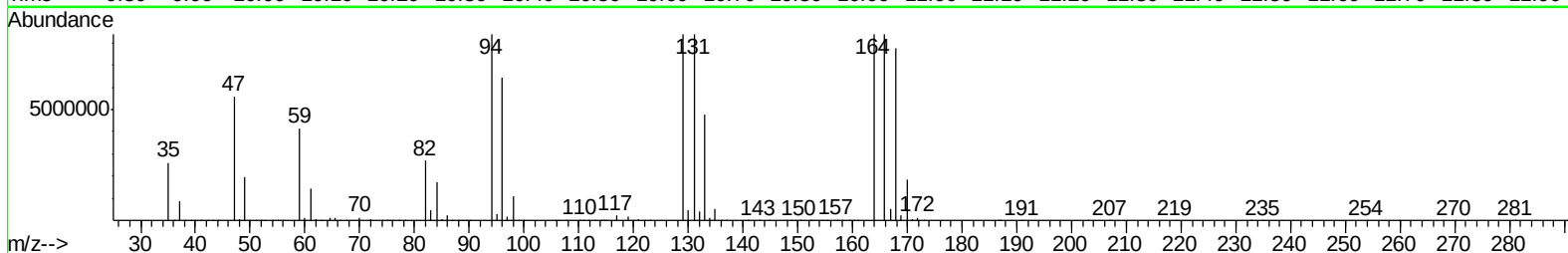
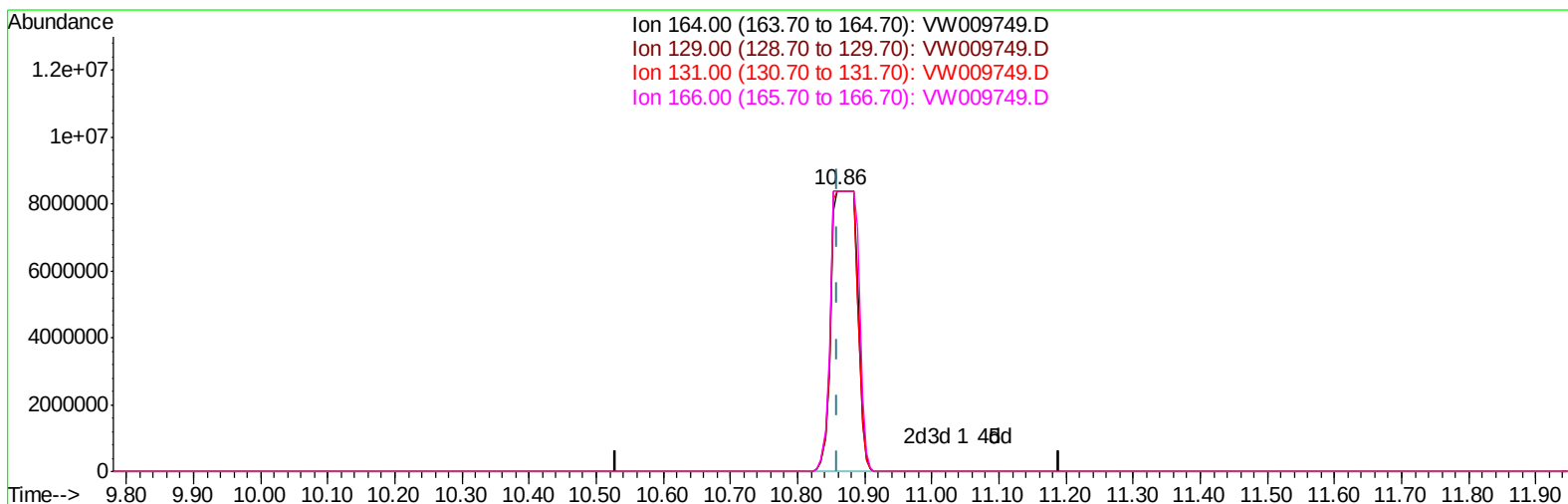
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(47) Tetrachloroethene (T)

10.859min (+0.000) 4545.26ug/L m

response 22706595

Ion	Exp%	Act%
164.00	100	100
129.00	98.40	100.00
131.00	90.10	100.00
166.00	126.50	100.00