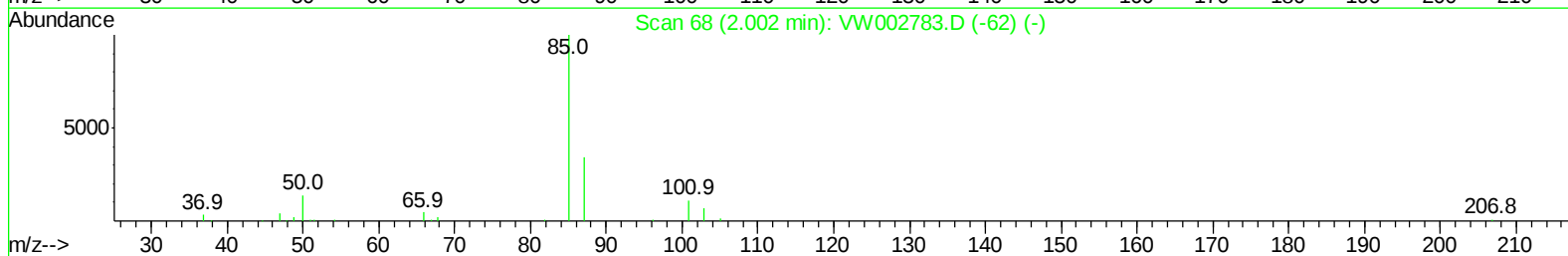
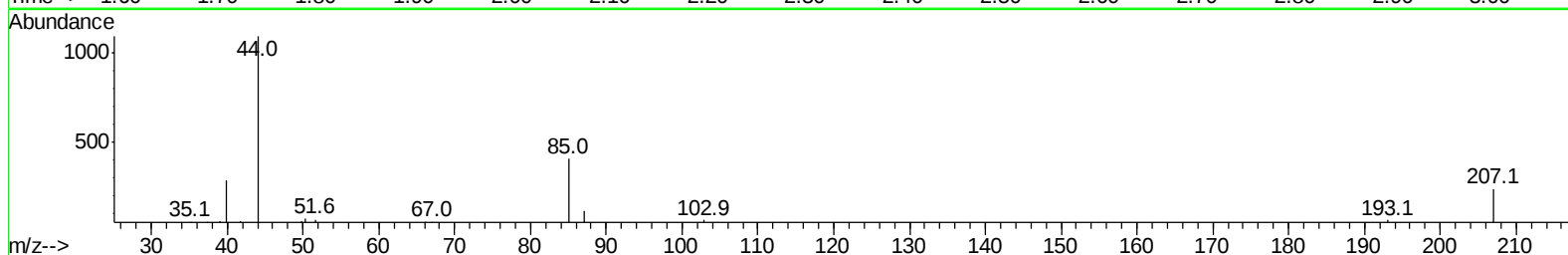
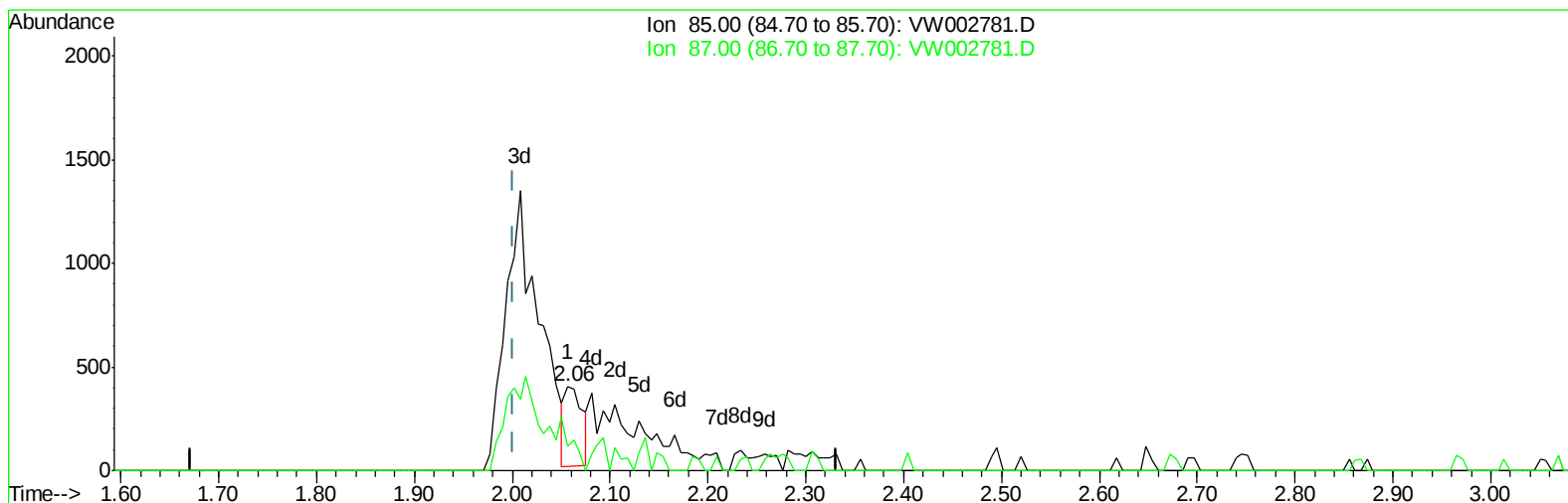


Data File : VW002781.D
Acq On : 22 May 2018 09:49
Operator : JC/SY
Sample : VSTD2.581
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:04:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Tue May 22 11:04:19 2018
Response via : Initial Calibration



TIC: VW002781.D

(2) Dichlorodifluoromethane (T)

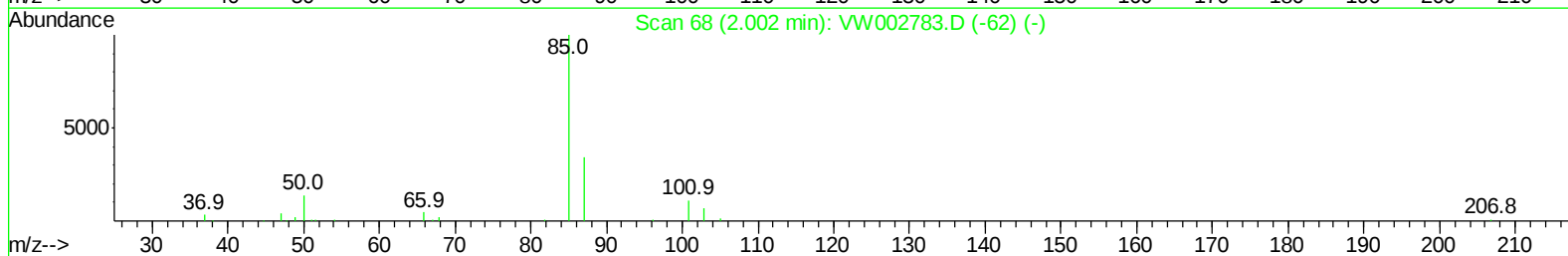
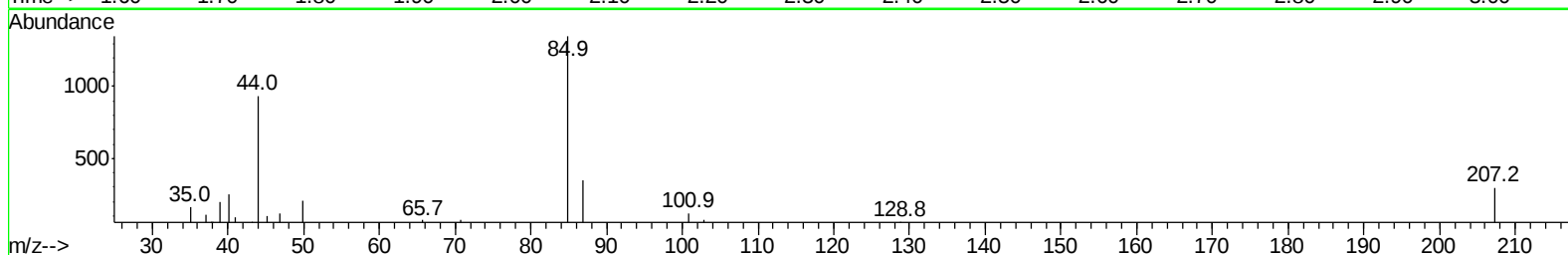
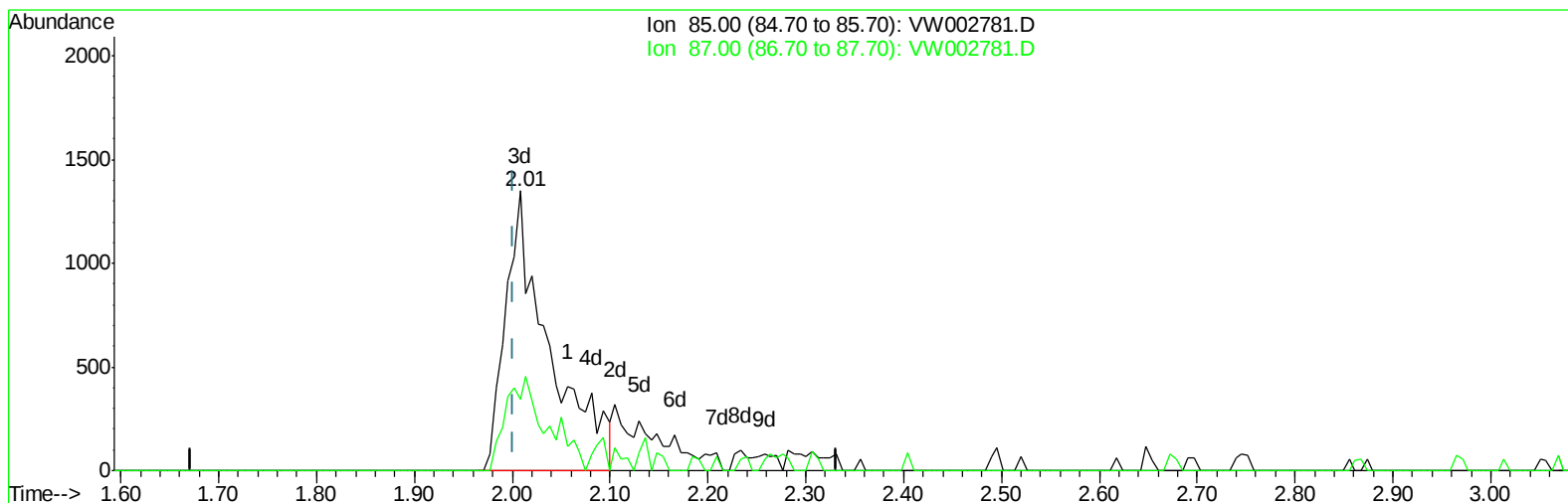
2.057min (+0.055) 0.23ug/L

response 479

Ion	Exp%	Act%
85.00	100	100
87.00	21.70	26.30
0.00	0.00	0.00
0.00	0.00	0.00

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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:04:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Tue May 22 11:04:19 2018
Response via : Initial Calibration



TIC: VW002781.D

(2) Dichlorodifluoromethane (T)

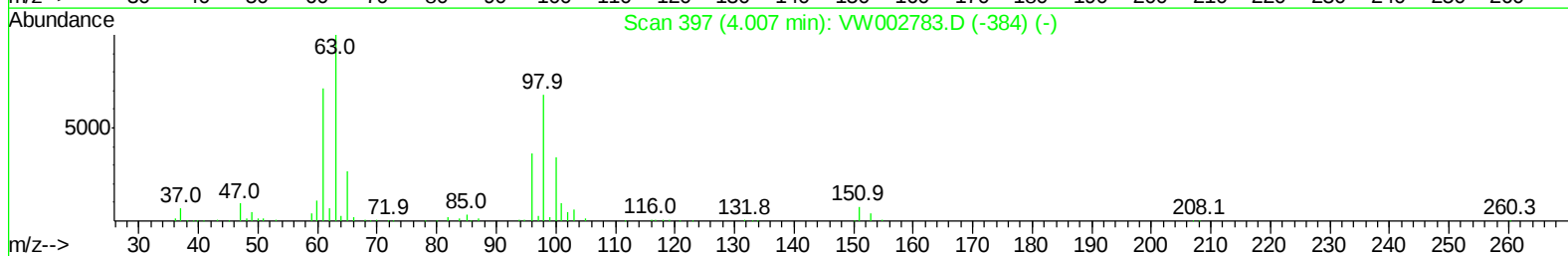
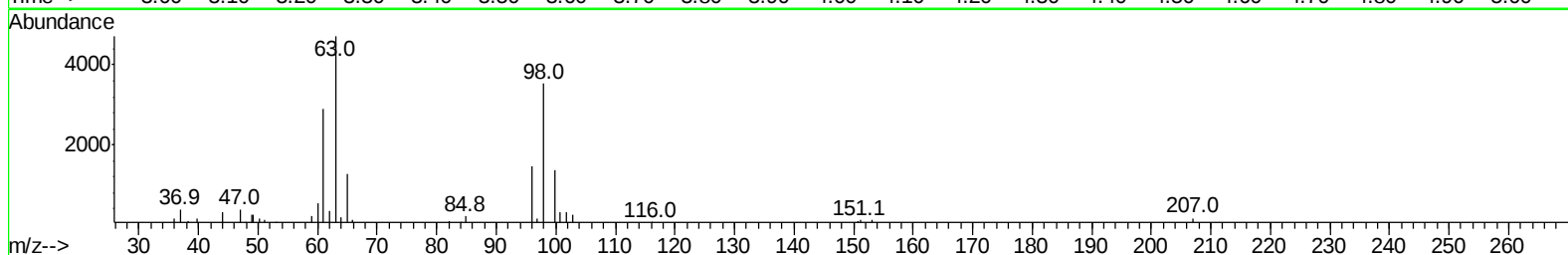
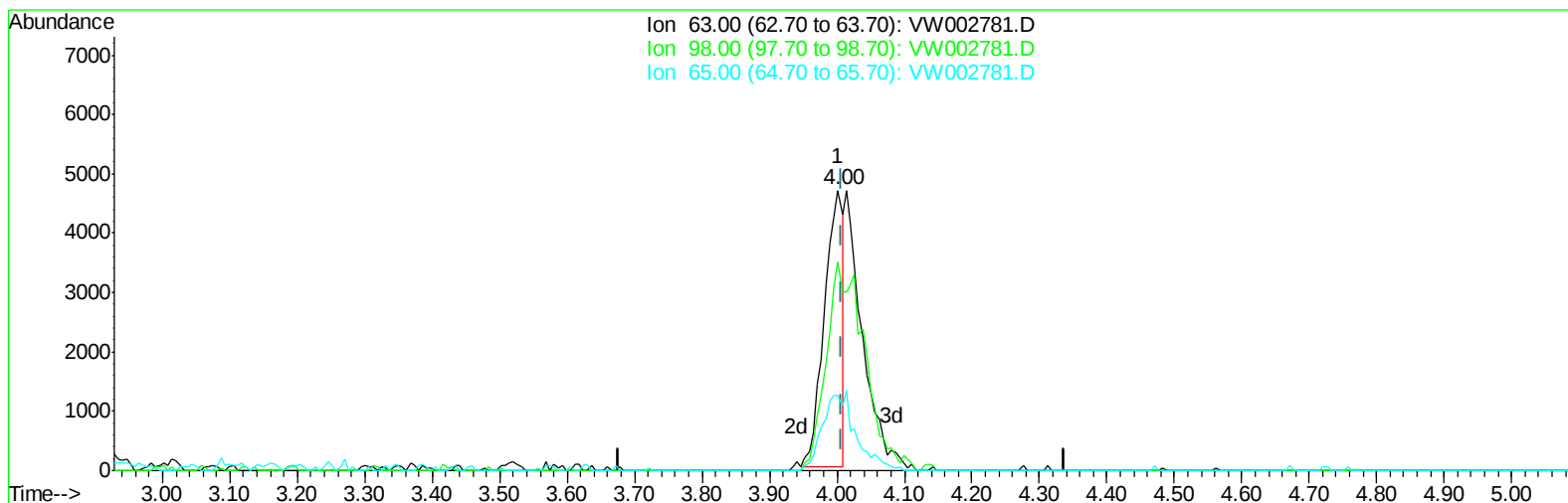
2.008min (+0.006) 2.02ug/L m

response 4162

Ion	Exp%	Act%
85.00	100	100
87.00	21.70	3.03#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW002781.D
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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:04:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Tue May 22 11:04:19 2018
Response via : Initial Calibration



TIC: VW002781.D

(10) 1,1-Dichloroethene-d2 (S)

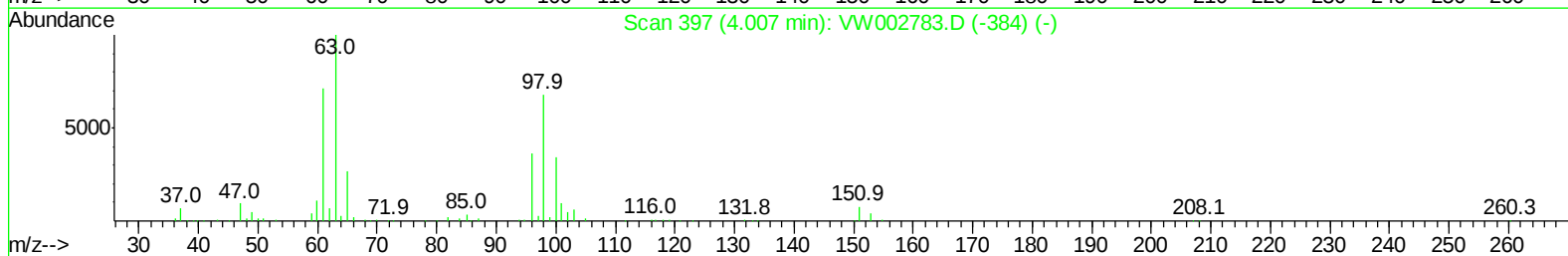
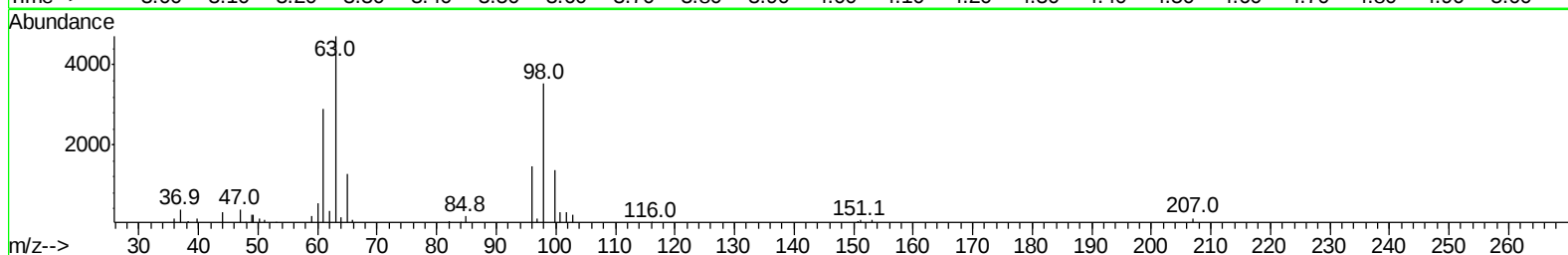
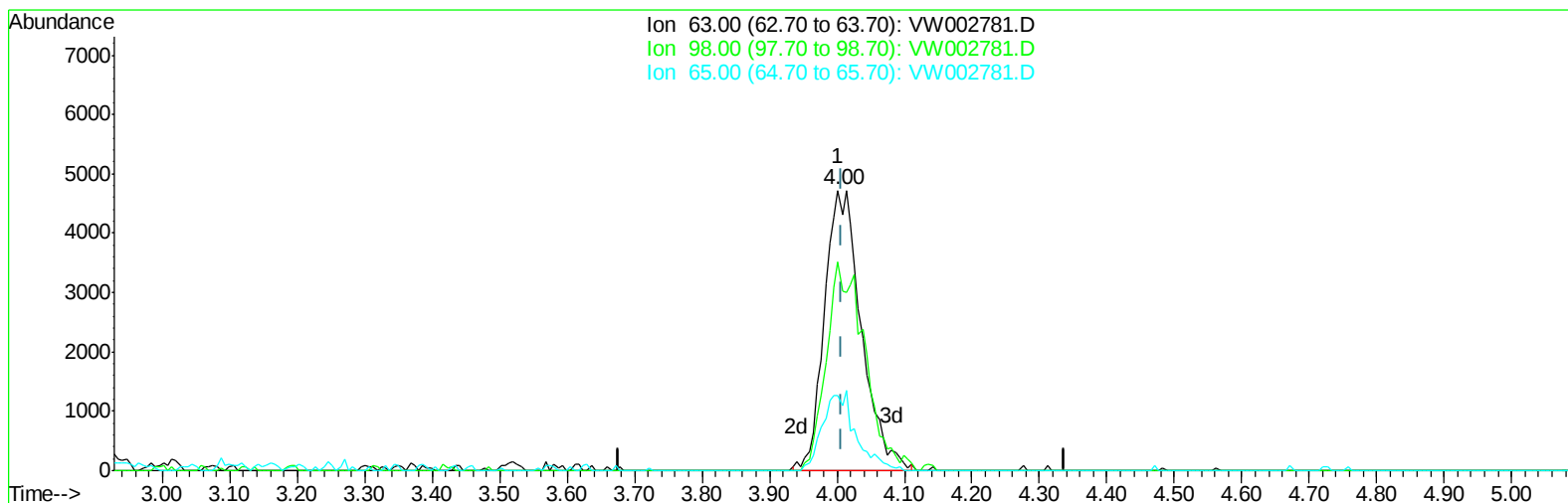
4.001min (-0.006) 1.04ug/L

response 8842

Ion	Exp%	Act%
63.00	100	100
98.00	73.70	81.95
65.00	22.40	30.68#
0.00	0.00	0.00

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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:04:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Tue May 22 11:04:19 2018
Response via : Initial Calibration



TIC: VW002781.D

(10) 1,1-Dichloroethene-d2 (S)

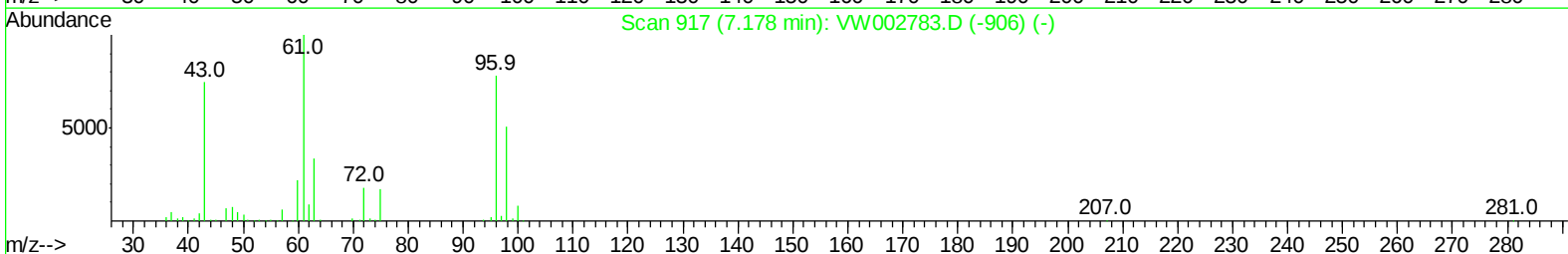
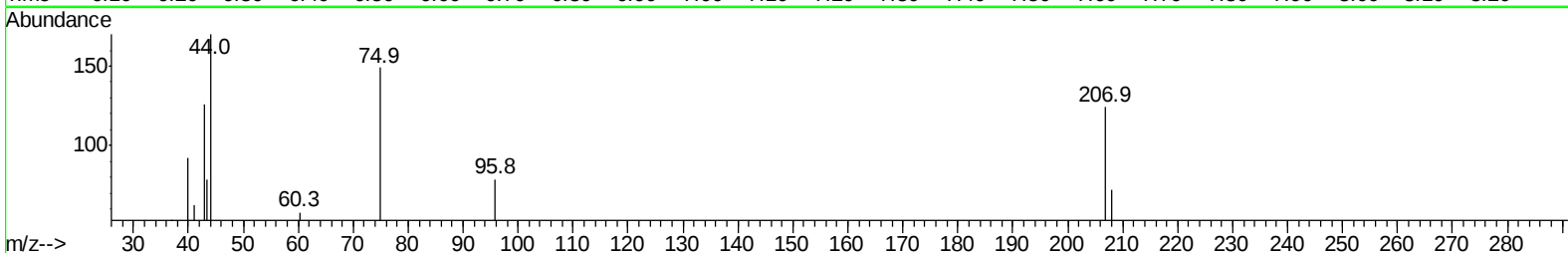
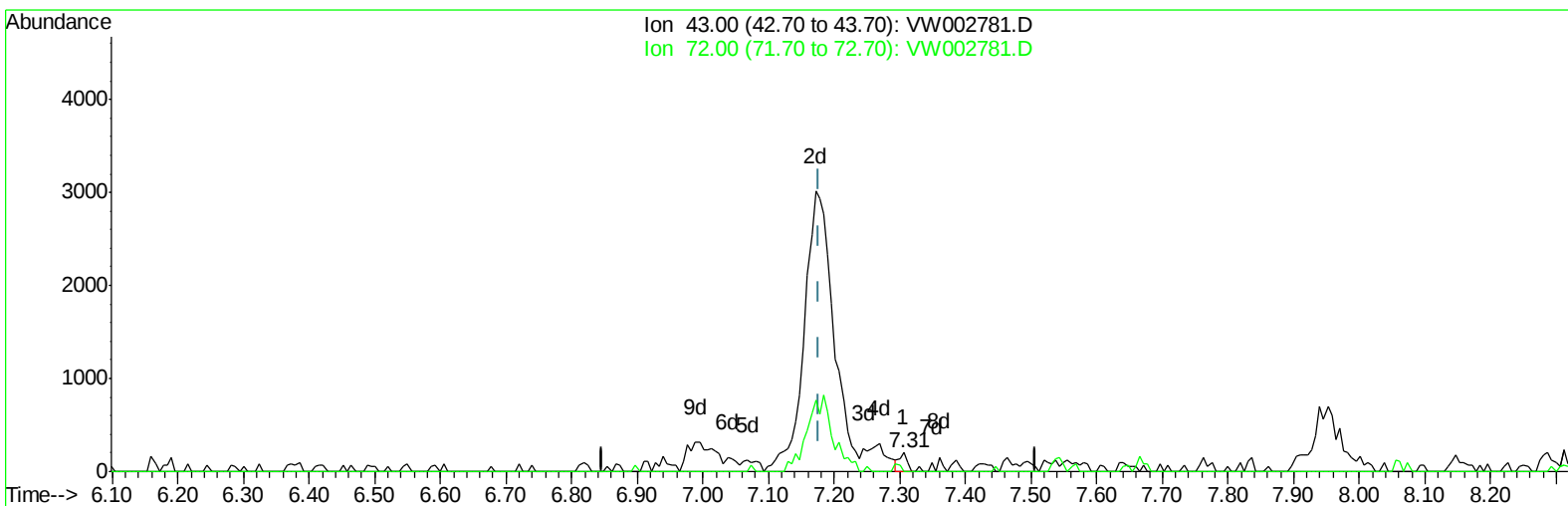
4.001min (-0.006) 2.11ug/L m

response 17933

Ion	Exp%	Act%
63.00	100	100
98.00	73.70	40.41#
65.00	22.40	15.13#
0.00	0.00	0.00

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Sample : VSTD2.581
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:04:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Tue May 22 11:04:19 2018
Response via : Initial Calibration



TIC: VW002781.D

(21) 2-Butanone

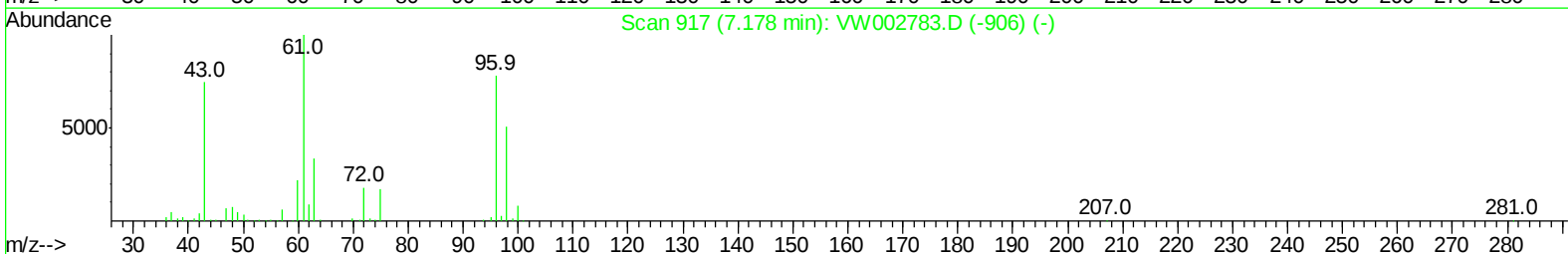
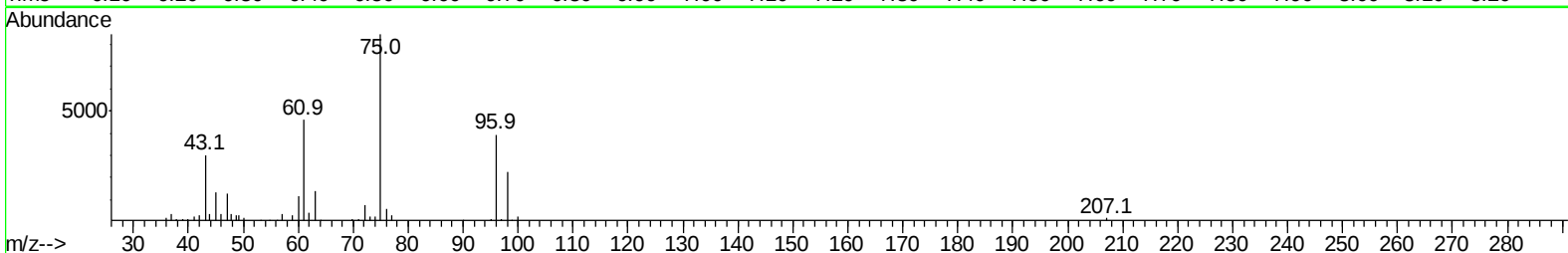
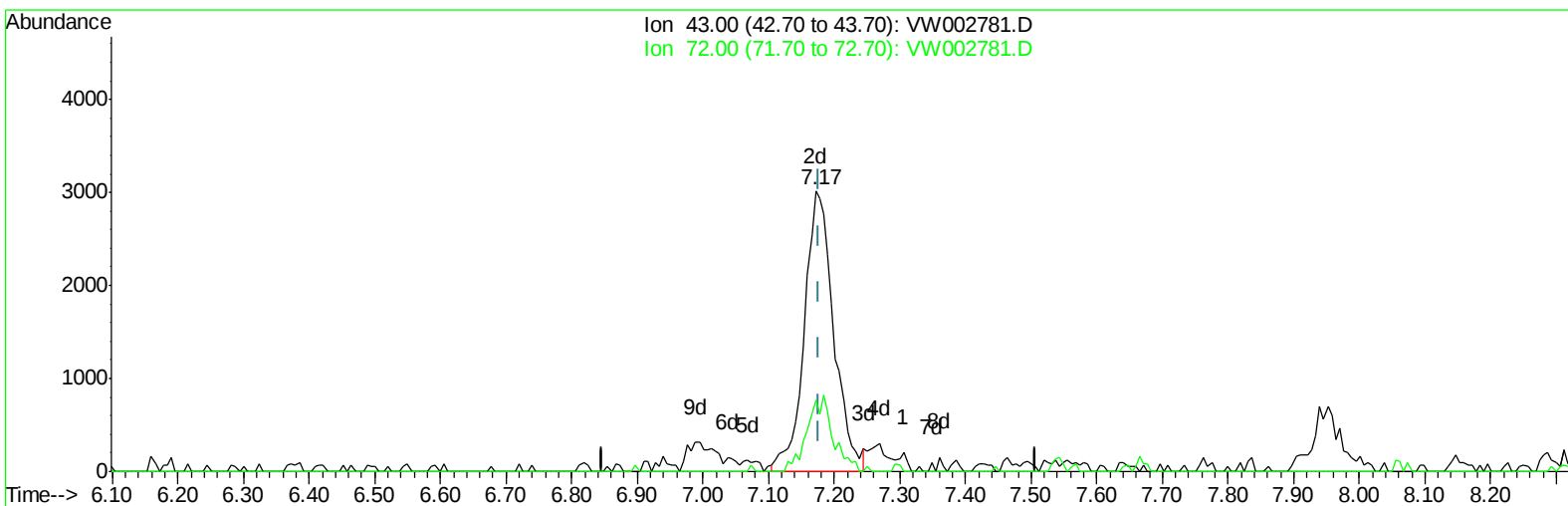
7.306min (+0.128) 0.08ug/L

response 161

Ion	Exp%	Act%
43.00	100	100
72.00	26.70	33.54
0.00	0.00	0.00
0.00	0.00	0.00

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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:04:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
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TIC: VW002781.D

(21) 2-Butanone

7.172min (-0.006) 4.87ug/L m

response 9396

Ion	Exp%	Act%
43.00	100	100
72.00	26.70	0.57#
0.00	0.00	0.00
0.00	0.00	0.00

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Acq On : 22 May 2018 09:49
Operator : JC/SY
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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:10:50 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	330646	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	313689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	160897	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	10397	2.07	ug/L	0.00
7) Chloroethane-d5	2.88	69	8351	1.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.00	63	17933m	2.11	ug/L	0.00
20) 2-Butanone-d5	7.09	46	7692	4.59	ug/L	0.00
24) Chloroform-d	7.65	84	18550	2.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	11285	2.18	ug/L	0.00
29) Benzene-d6	8.28	84	34338	1.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	11373	2.11	ug/L	0.00
37) Toluene-d8	10.33	98	32620	1.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	4812	1.88	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4941	3.66	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	11857	2.21	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	14180	2.21	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4162m	2.02	ug/L	
3) Chloromethane	2.21	50	7883	2.51	ug/L	89
5) Vinyl chloride	2.36	62	13584	2.55	ug/L	89
6) Bromomethane	2.77	94	8083	2.15	ug/L	95
8) Chloroethane	2.92	64	7805	2.21	ug/L	96
9) Trichlorofluoromethane	3.25	101	6025	1.93	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	8938	2.17	ug/L #	81
12) 1,1-Dichloroethene	4.02	96	9334	2.46	ug/L	84
13) Acetone	4.12	43	8031	4.90	ug/L	95
14) Carbon disulfide	4.36	76	28276	2.80	ug/L	98
15) Methyl Acetate	4.67	43	5952	2.36	ug/L	95
16) Methylene chloride	4.90	84	12097	2.89	ug/L	92
17) Methyl tert-butyl Ether	5.42	73	15798	2.17	ug/L #	86
18) trans-1,2-Dichloroethene	5.41	96	9775	2.49	ug/L	90
19) 1,1-Dichloroethane	6.21	63	16658	2.31	ug/L	99
21) 2-Butanone	7.17	43	9396m	4.87	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	10356	2.32	ug/L	96
23) Bromochloromethane	7.51	128	5096	2.42	ug/L	97
25) Chloroform	7.68	83	18694	2.40	ug/L	94
27) 1,2-Dichloroethane	8.40	62	12767	2.36	ug/L	98
30) Cyclohexane	7.95	56	13671	2.13	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	14031	2.20	ug/L	98
32) Carbon tetrachloride	8.07	117	13536	2.19	ug/L	100
34) Benzene	8.32	78	37806	2.27	ug/L	100
35) Trichloroethene	9.09	95	10694	2.36	ug/L	97
36) Methylcyclohexane	9.34	83	16185	2.19	ug/L	99
40) 1,2-Dichloropropane	9.37	63	9850	2.23	ug/L #	96
41) Bromodichloromethane	9.65	83	12648	2.19	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	13934	2.03	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	15258	4.08	ug/L	100

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	40038	2.17	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	12483	2.03	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	8110	2.21	ug/L	89
47) Tetrachloroethene	10.87	164	9163	2.34	ug/L	96
49) 2-Hexanone	10.98	43	10172	3.67	ug/L	96
50) Dibromochloromethane	11.13	129	9281	2.10	ug/L	91
51) 1,2-Dibromoethane	11.24	107	8022	2.24	ug/L	92
52) Chlorobenzene	11.66	112	27510	2.23	ug/L	96
53) Ethylbenzene	11.74	91	43217	2.05	ug/L	100
54) m,p-Xylene	11.85	106	16024	2.01	ug/L	96
55) o-xylene	12.18	106	14976	1.92	ug/L	92
56) Styrene	12.19	104	24897	1.87	ug/L	98
57) Isopropylbenzene	12.48	105	40162	1.87	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.73	83	11446	2.27	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	8279	2.17	ug/L	97
62) Bromoform	12.35	173	5811	2.11	ug/L #	97
63) 1,3-Dichlorobenzene	13.51	146	21927	2.22	ug/L	94
64) 1,4-Dichlorobenzene	13.59	146	23454	2.30	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	21088	2.24	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2065	2.39	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.64	180	17824	2.23	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	14810	2.17	ug/L	98
69) Naphthalene	15.38	128	24745	1.75	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	13379	2.12	ug/L	99

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

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