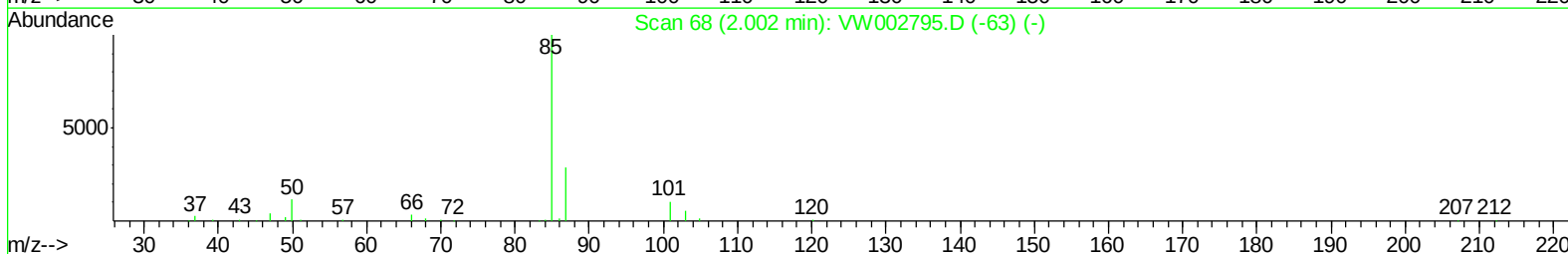
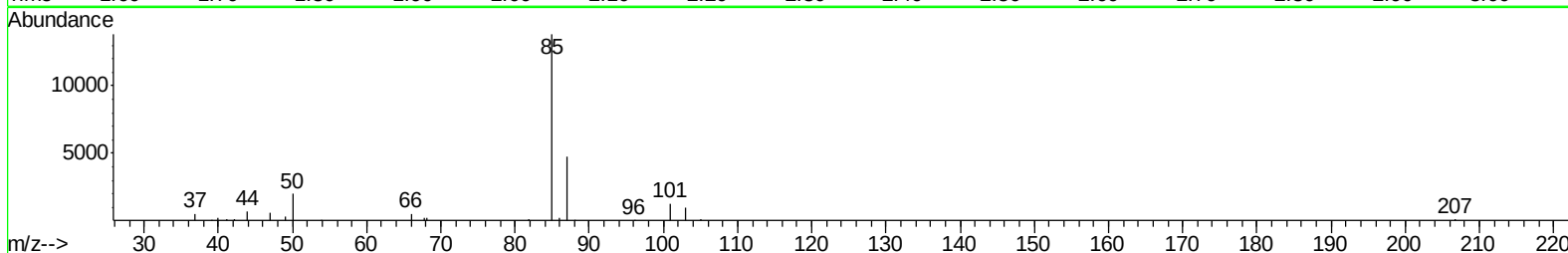
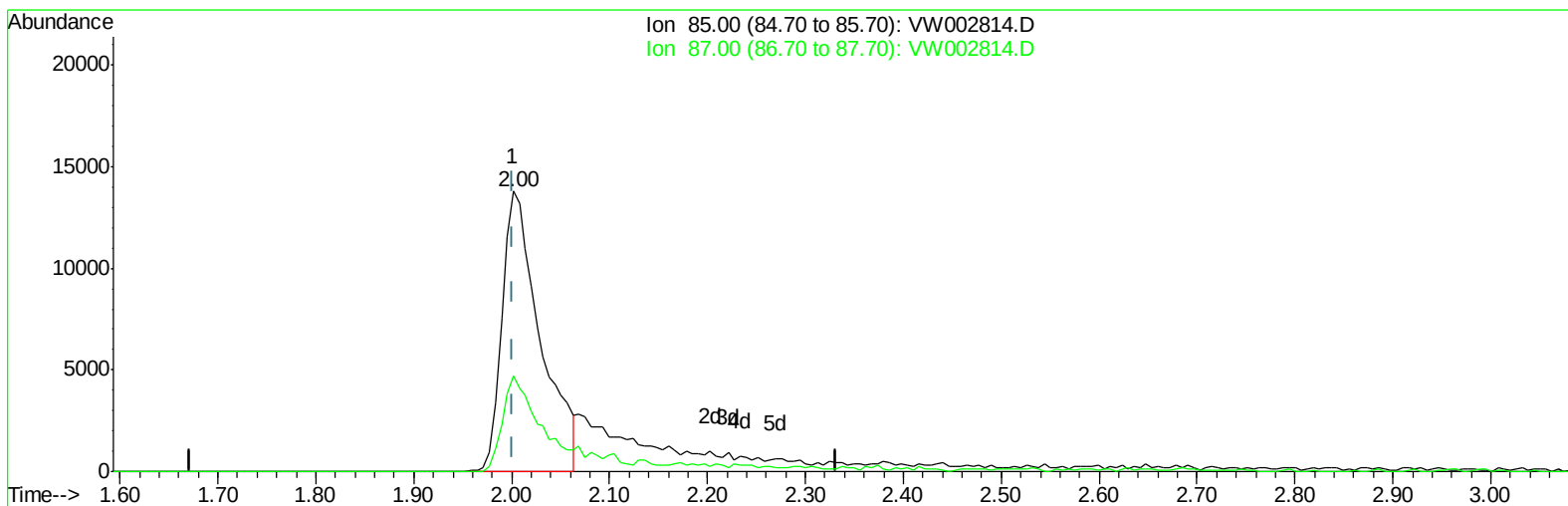


Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
Data File : VW002814.D
Acq On : 23 May 2018 04:57
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 06:57:57 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Wed May 23 06:53:11 2018
Response via : Initial Calibration



TIC: VW002814.D

(2) Dichlorodifluoromethane (T)

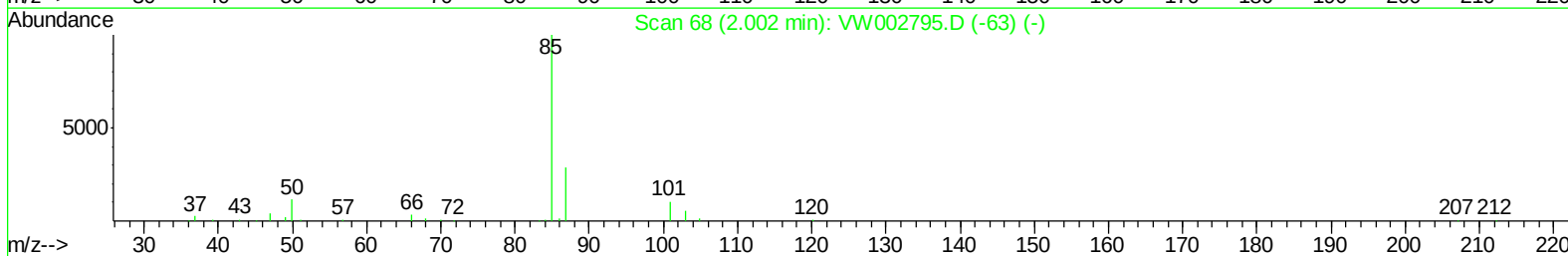
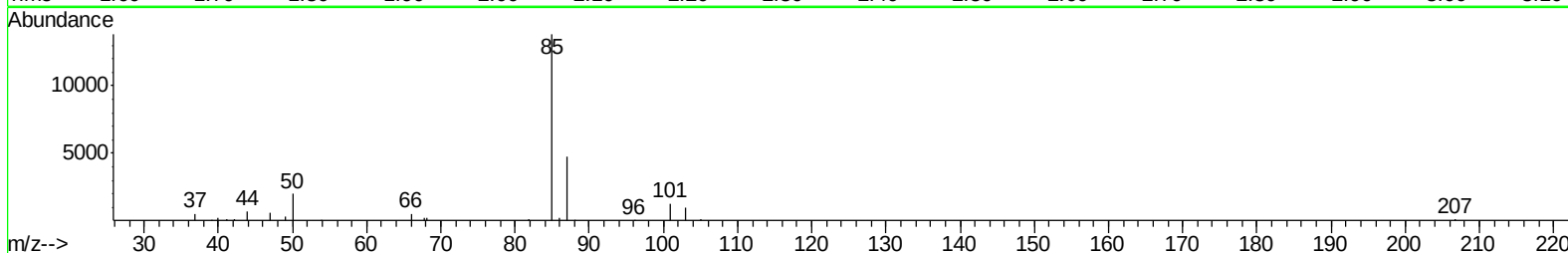
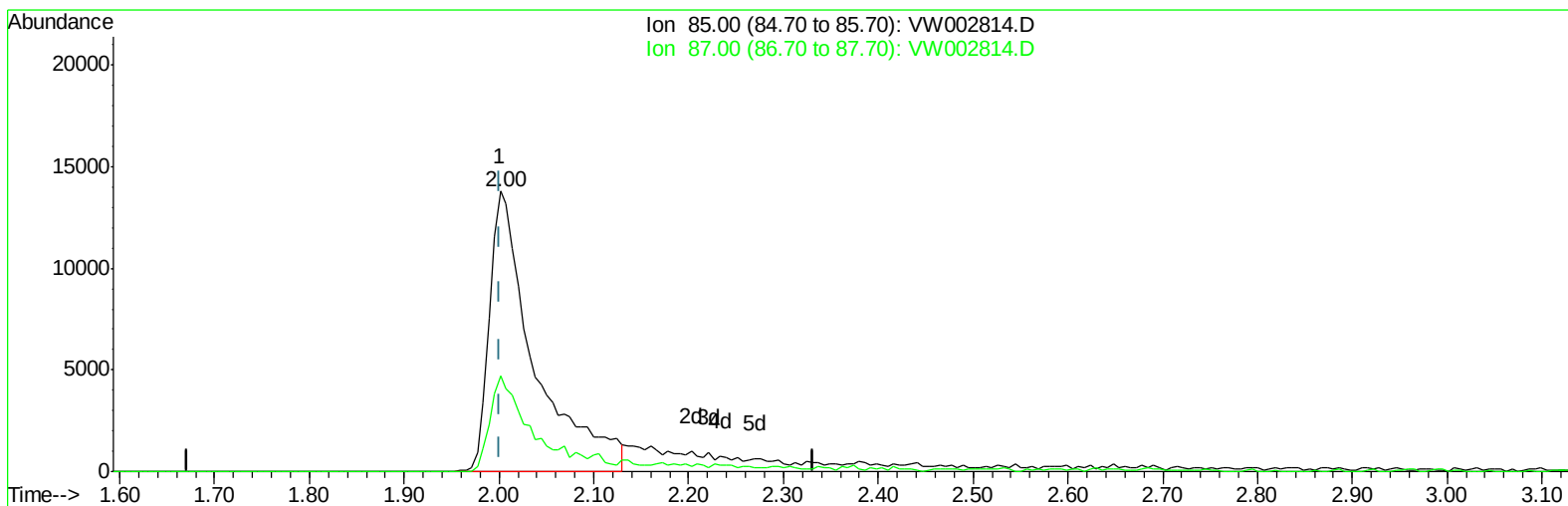
2.002min (+0.000) 20.32ug/L

response 37446

Ion	Exp%	Act%
85.00	100	100
87.00	29.00	33.37
0.00	0.00	0.00
0.00	0.00	0.00

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TIC: VW002814.D

(2) Dichlorodifluoromethane (T)

2.002min (+0.000) 24.65ug/L m

response 45417

Ion	Exp%	Act%
85.00	100	100
87.00	29.00	27.51
0.00	0.00	0.00
0.00	0.00	0.00

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Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M

Quant Title : VOC Analysis

QLast Update : Wed May 23 06:53:11 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	308803	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	297948	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	155263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	84530	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
7) Chloroethane-d5	2.89	69	76136	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
10) 1,1-Dichloroethene-d2	4.01	63	151201	21.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.16%
20) 2-Butanone-d5	7.08	46	78740	48.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.48%
24) Chloroform-d	7.65	84	177743	24.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	8.31	65	108607	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.20%
29) Benzene-d6	8.27	84	329012	23.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.88%
33) 1,2-Dichloropropane-d6	9.28	67	107679	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.04%
37) Toluene-d8	10.33	98	321850	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.08%
38) trans-1,3-Dichloropropene-	10.59	79	47500	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.76%
39) 2-Hexanone-d5	10.93	63	64945	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	120258	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.84%
61) 1,2-Dichlorobenzene-d4	13.87	152	136148	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	45417m	24.65	ug/L
3) Chloromethane	2.21	50	76947	24.14	ug/L
5) Vinyl chloride	2.36	62	121048	22.33	ug/L
6) Bromomethane	2.78	94	83401	22.47	ug/L
8) Chloroethane	2.92	64	76590	22.20	ug/L
9) Trichlorofluoromethane	3.25	101	46269	19.72	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	86132	22.93	ug/L #
12) 1,1-Dichloroethene	4.03	96	83057	22.43	ug/L
13) Acetone	4.12	43	51764	36.22	ug/L
14) Carbon disulfide	4.37	76	258448	22.66	ug/L
15) Methyl Acetate	4.67	43	60419	23.22	ug/L
16) Methylene chloride	4.91	84	91881	23.02	ug/L
17) Methyl tert-butyl Ether	5.42	73	168515	24.68	ug/L
18) trans-1,2-Dichloroethene	5.41	96	86976	22.44	ug/L
19) 1,1-Dichloroethane	6.21	63	160956	23.67	ug/L
21) 2-Butanone	7.18	43	80938	42.79	ug/L
22) cis-1,2-Dichloroethene	7.17	96	98691	23.26	ug/L

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 Quant Title : VOC Analysis
 QLast Update : Wed May 23 06:53:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49290	23.84	ug/L	96
25) Chloroform	7.68	83	172813	23.51	ug/L	99
27) 1,2-Dichloroethane	8.40	62	129667	24.21	ug/L	99
30) Cyclohexane	7.95	56	138856	22.03	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	128247	22.25	ug/L	99
32) Carbon tetrachloride	8.07	117	126213	21.86	ug/L	99
34) Benzene	8.32	78	372208	23.02	ug/L	100
35) Trichloroethene	9.09	95	100268	22.69	ug/L	98
36) Methylcyclohexane	9.34	83	161730	22.16	ug/L	99
40) 1,2-Dichloropropane	9.37	63	95248	22.73	ug/L	99
41) Bromodichloromethane	9.65	83	127254	23.29	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	139748	21.68	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	177032	46.93	ug/L	99
44) Toluene	10.40	91	408323	23.17	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	127539	21.70	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	81576	23.50	ug/L	95
47) Tetrachloroethene	10.87	164	83286	21.79	ug/L	97
49) 2-Hexanone	10.98	43	129012	46.33	ug/L	98
50) Dibromochloromethane	11.13	129	97662	23.30	ug/L	97
51) 1,2-Dibromoethane	11.24	107	82972	23.52	ug/L	97
52) Chlorobenzene	11.66	112	268095	22.95	ug/L	99
53) Ethylbenzene	11.74	91	451449	22.80	ug/L	99
54) m,p-Xylene	11.85	106	171131	22.70	ug/L	99
55) o-xylene	12.18	106	164840	23.01	ug/L	94
56) Styrene	12.19	104	295044	23.51	ug/L	94
57) Isopropylbenzene	12.48	105	439197	22.46	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	113414	23.19	ug/L	98
59) 1,2,3-Trichloropropane	12.78	75	86414	23.48	ug/L	100
62) Bromoform	12.36	173	64333	23.63	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	209174	22.60	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	219875	22.66	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	211468	23.52	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.50	75	20820	23.55	ug/L	90
67) 1,3,5-Trichlorobenzene	14.64	180	161522	21.68	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	141325	22.56	ug/L	99
69) Naphthalene	15.38	128	316390	24.96	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	139471	23.72	ug/L	99

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

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