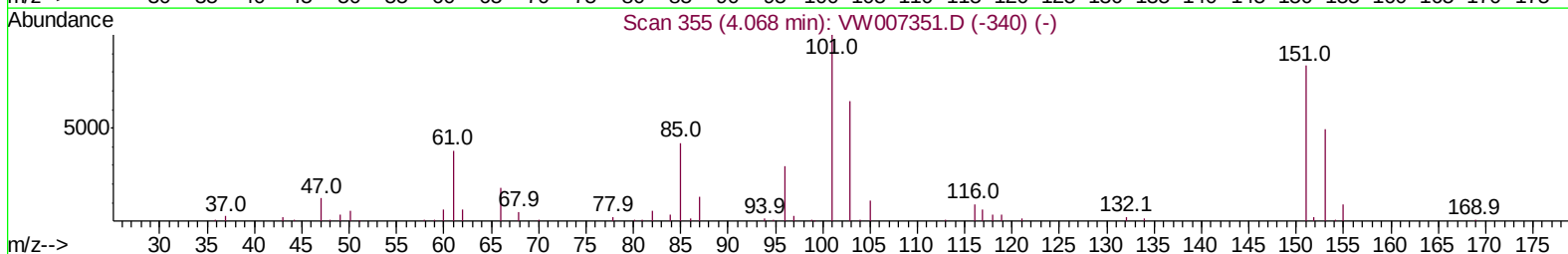
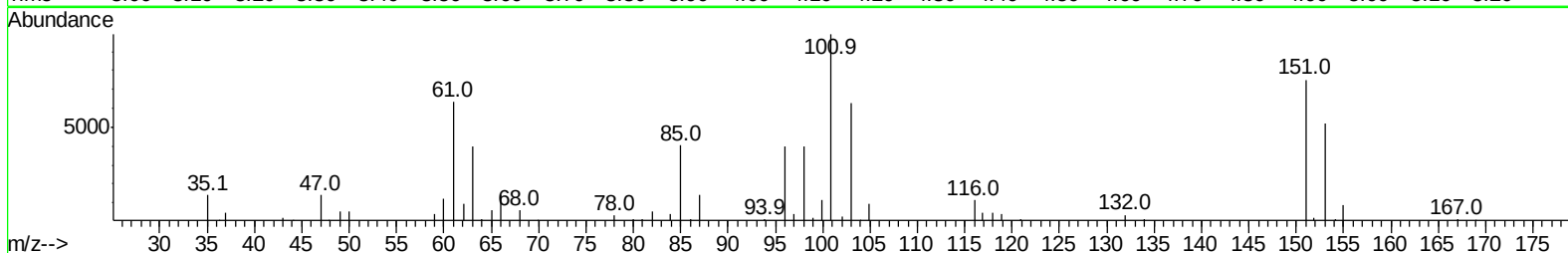
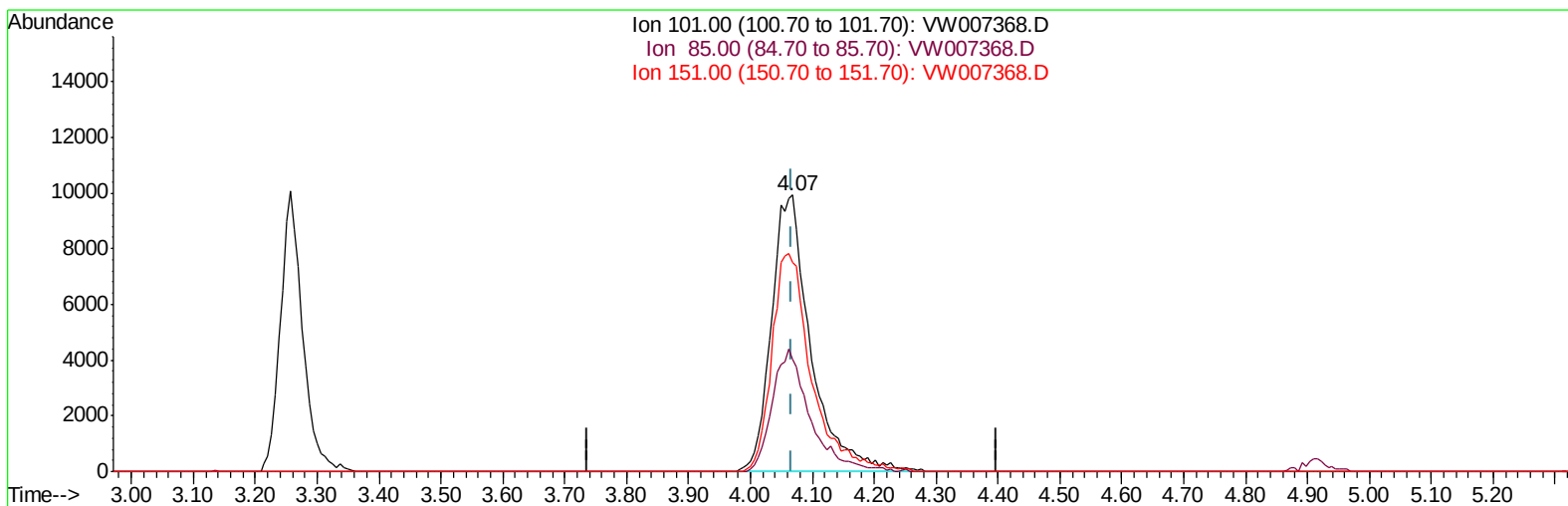


Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121018\
Data File : VW007368.D
Acq On : 10 Dec 2018 19:46
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 02:59:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 11 01:18:15 2018
Response via : Initial Calibration



TIC: VW007368.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

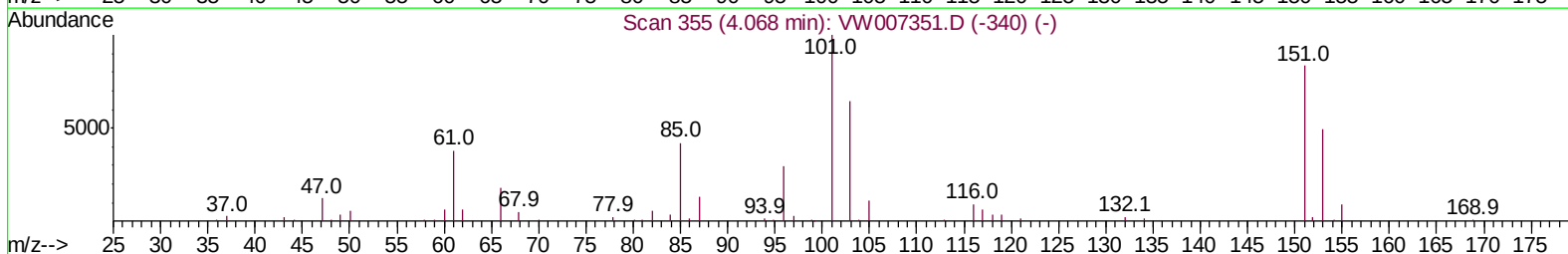
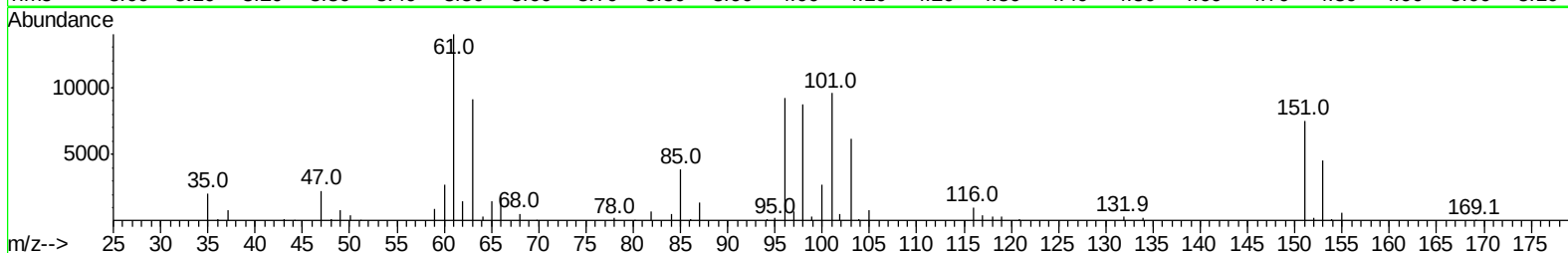
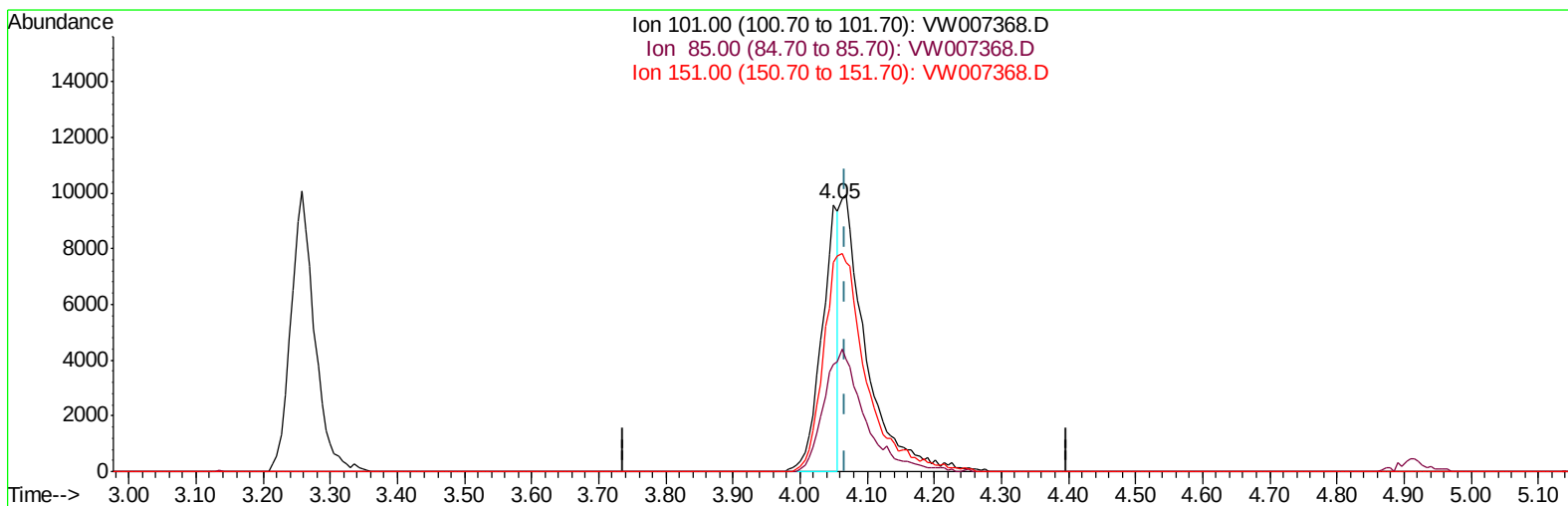
4.068min (+0.000) 28.17ug/L m

response 43436

Ion	Exp%	Act%
101.00	100	100
85.00	44.30	41.98
151.00	81.00	74.44
0.00	0.00	0.00

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TIC: VW007368.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.050min (-0.018) 10.87ug/L

response 16754

Ion	Exp%	Act%
101.00	100	100
85.00	44.30	108.85#
151.00	81.00	192.98#
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	122174	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	100892	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	51274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	24326	30.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.28%
7) Chloroethane-d5	2.90	69	18350	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.92%
10) 1,1-Dichloroethene-d2	4.02	63	80784	29.43	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	117.72%#
20) 2-Butanone-d5	7.08	46	25592	51.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.04%
24) Chloroform-d	7.65	84	82609	28.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.68%
26) 1,2-Dichloroethane-d4	8.31	65	46743	28.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.00%
29) Benzene-d6	8.27	84	159772	29.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.64%
33) 1,2-Dichloropropane-d6	9.27	67	44188	28.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.04%
37) Toluene-d8	10.32	98	154143	30.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	120.00%
38) trans-1,3-Dichloropropene-	10.58	79	22770	28.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.92%
39) 2-Hexanone-d5	10.93	63	20911	55.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	41399	29.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	51327	28.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	37598	28.179	ug/L	93
3) Chloromethane	2.21	50	23442	21.947	ug/L	99
5) Vinyl chloride	2.37	62	29562	29.336	ug/L	98
6) Bromomethane	2.78	94	17551	25.181	ug/L	100
8) Chloroethane	2.93	64	15109	24.908	ug/L	99
9) Trichlorofluoromethane	3.26	101	24571	21.242	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	43436m	28.169	ug/L	
12) 1,1-Dichloroethene	4.03	96	38923	27.128	ug/L	93
13) Acetone	4.12	43	22503	38.580	ug/L	99
14) Carbon disulfide	4.37	76	115366	27.538	ug/L	99
15) Methyl Acetate	4.67	43	20073	22.950	ug/L #	93
16) Methylene chloride	4.91	84	40716	20.625	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	60292	25.843	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	41004	26.639	ug/L	95
19) 1,1-Dichloroethane	6.21	63	68419	26.076	ug/L	98
21) 2-Butanone	7.17	43	27897	44.499	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	44259	26.129	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	20197	26.156	ug/L	89
25) Chloroform	7.68	83	76810	27.056	ug/L	99
27) 1,2-Dichloroethane	8.40	62	54356	26.784	ug/L	99
30) Cyclohexane	7.95	56	65399	27.020	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	69266	29.169	ug/L	99
32) Carbon tetrachloride	8.07	117	67082	29.233	ug/L	97
34) Benzene	8.32	78	158155	27.348	ug/L	100
35) Trichloroethene	9.09	95	45721	27.571	ug/L	99
36) Methylcyclohexane	9.34	83	77395	27.036	ug/L	99
40) 1,2-Dichloropropane	9.37	63	37935	26.817	ug/L	98
41) Bromodichloromethane	9.65	83	56508	27.820	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	65101	27.403	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	56323	50.303	ug/L	99
44) Toluene	10.39	91	176857	28.373	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	57513	27.567	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	32514	27.914	ug/L	89
47) Tetrachloroethene	10.87	164	34725	27.721	ug/L	89
49) 2-Hexanone	10.97	43	40212	51.099	ug/L	96
50) Dibromochloromethane	11.13	129	38271	26.745	ug/L	83
51) 1,2-Dibromoethane	11.24	107	31122	26.604	ug/L	99
52) Chlorobenzene	11.66	112	113983	28.176	ug/L	93
53) Ethylbenzene	11.73	91	204644	29.197	ug/L	97
54) m,p-Xylene	11.84	106	76939	28.897	ug/L	92
55) o-xylene	12.17	106	70712	28.103	ug/L	100
56) Styrene	12.18	104	125868	29.183	ug/L	97
57) Isopropylbenzene	12.46	105	196978	28.049	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	35960	24.903	ug/L #	99
59) 1,2,3-Trichloropropane	12.77	75	29754	26.031	ug/L	95
62) Bromoform	12.35	173	22840	26.011	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	89401	27.140	ug/L	89
64) 1,4-Dichlorobenzene	13.58	146	83739	25.500	ug/L	86
65) 1,2-Dichlorobenzene	13.88	146	77539	26.302	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	7880	25.237	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	62601	26.235	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	55964	27.204	ug/L	97
69) Naphthalene	15.38	128	125841	24.747	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	50820	27.173	ug/L	98

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

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