

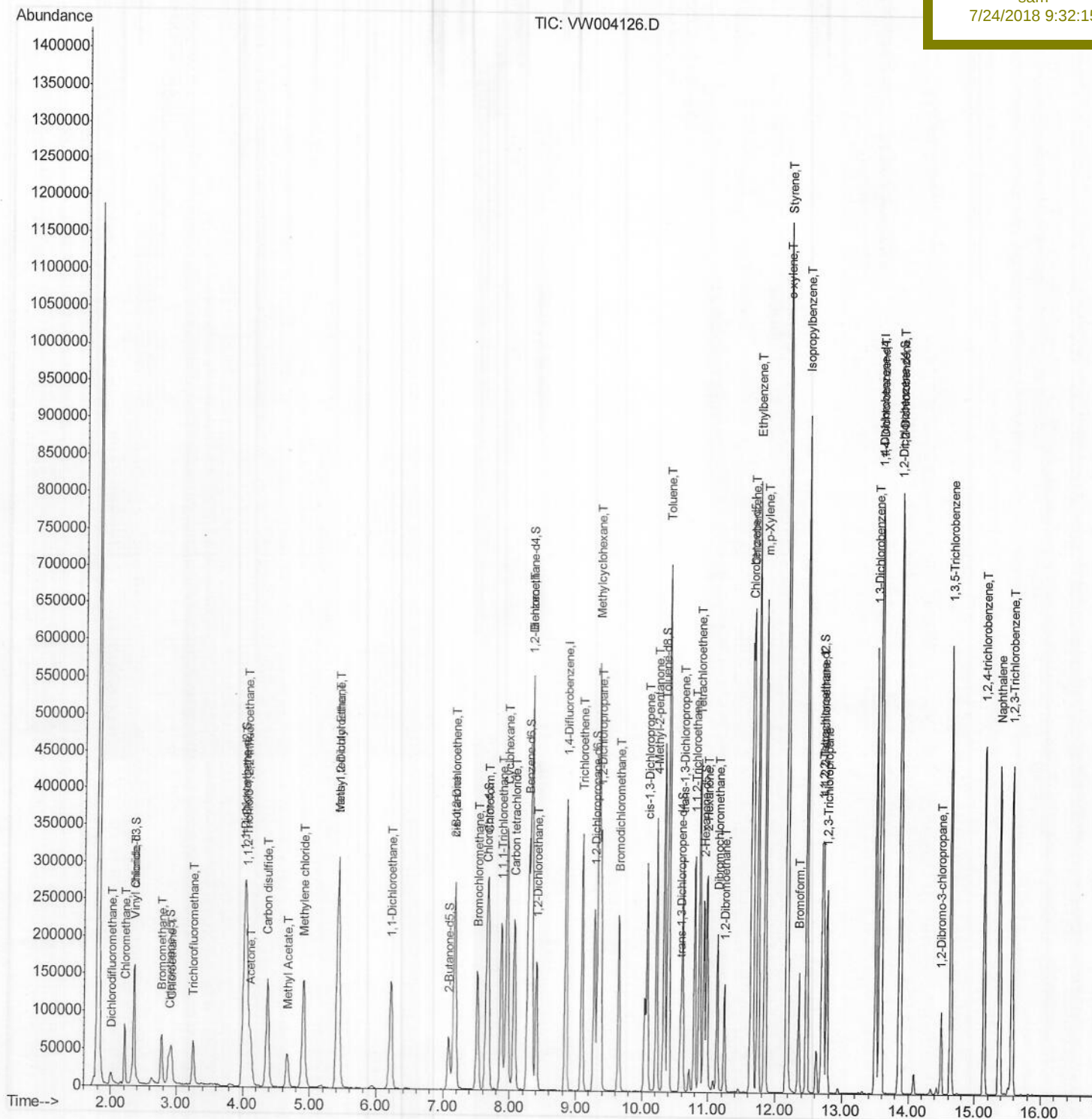
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072118\
Data File : VW004126.D
Acq On : 21 Jul 2018 20:33
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 23 00:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 06:22:08 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02596

Manual Integrations
APPROVED

Sam
7/24/2018 9:32:15 AM



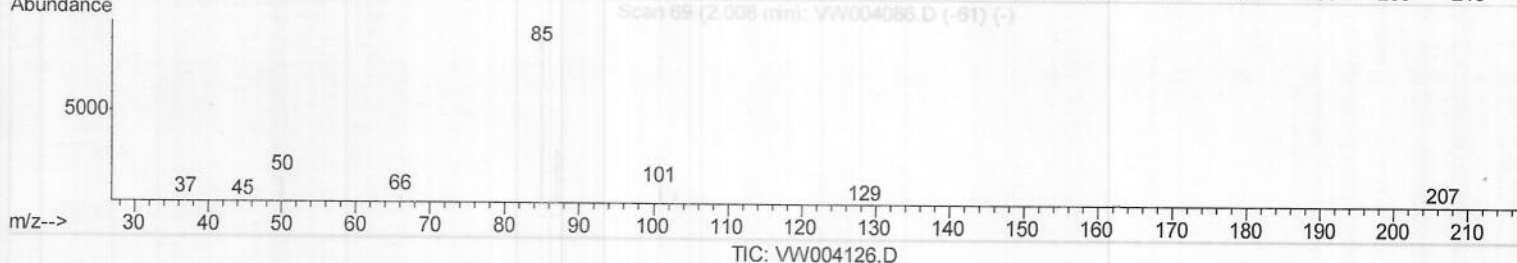
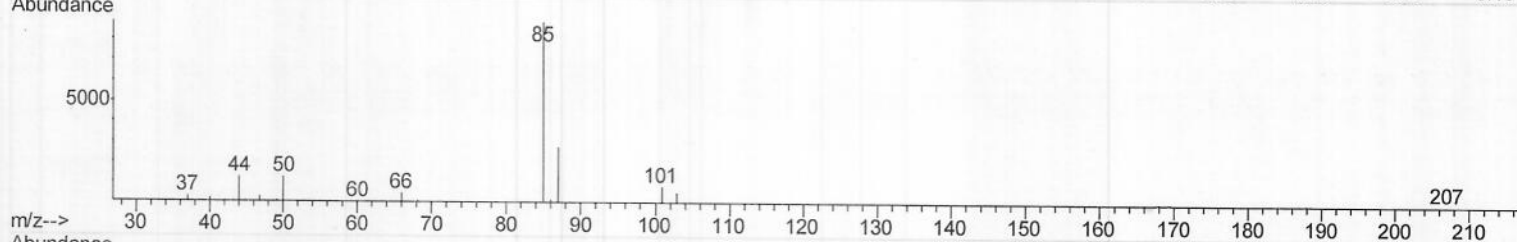
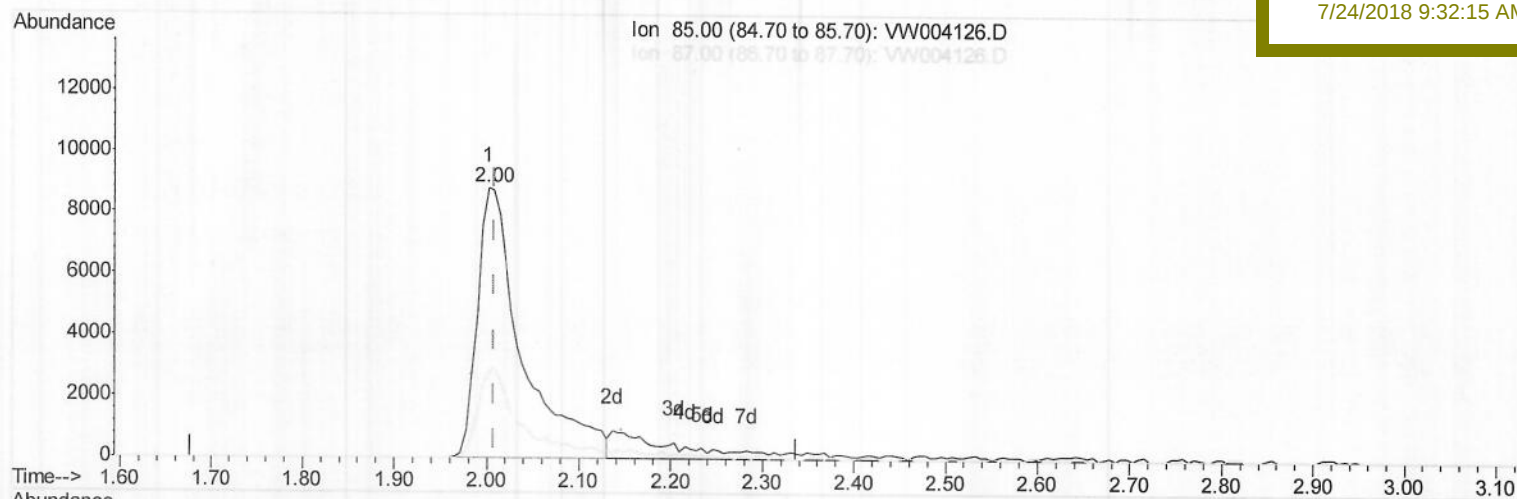
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(2) Dichlorodifluoromethane (T)

2.002min (-0.006) 14.43ug/L

response 29549

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	25.87#
0.00	0.00	0.00
0.00	0.00	0.00

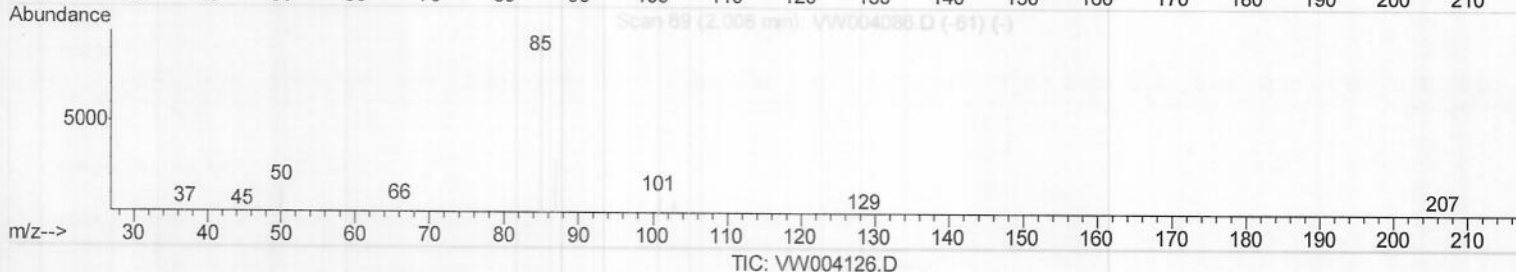
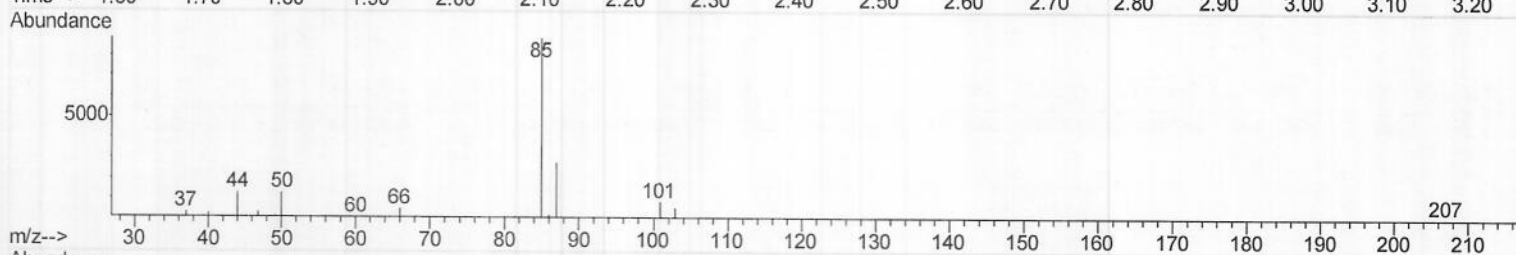
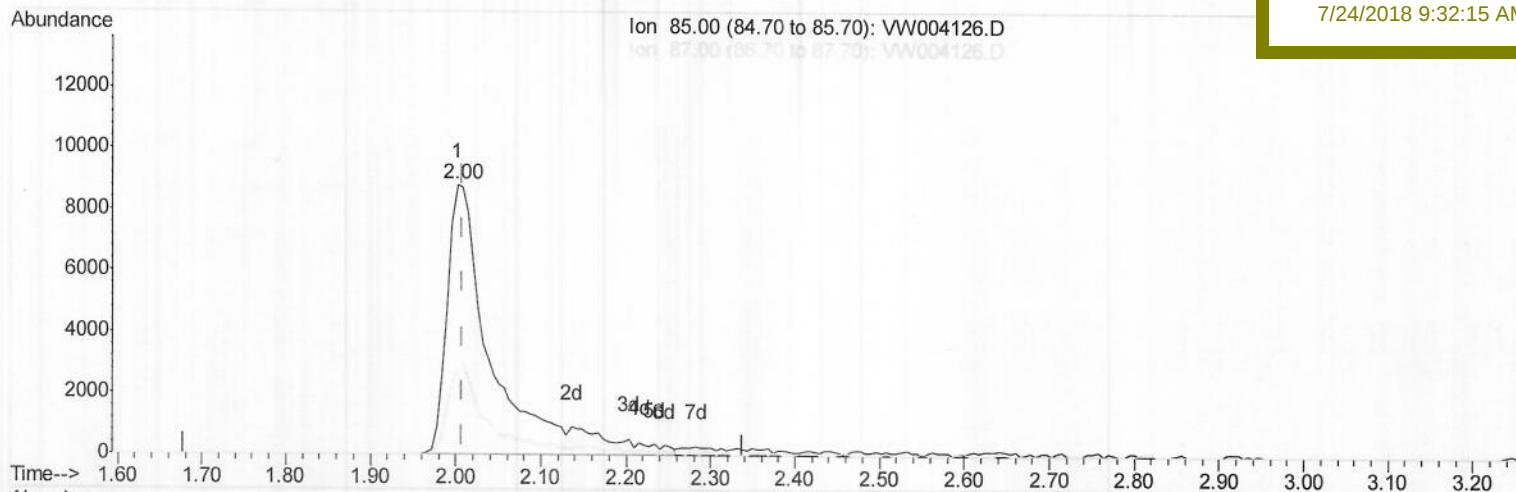
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sam
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(2) Dichlorodifluoromethane (T)

2.002min (-0.006) 16.23ug/L m

response 33235

MD
07/24/18

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	23.00#
0.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319812	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	296960	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	152189	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	64223	20.30	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	81.20%		
7) Chloroethane-d5	2.89	69	48693	21.36	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	85.44%		
10) 1,1-Dichloroethene-d2	4.01	63	173537	22.87	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery =	91.48%		
20) 2-Butanone-d5	7.08	46	112072	60.42	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery =	120.84%		
24) Chloroform-d	7.65	84	191360	25.21	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery =	100.84%		
26) 1,2-Dichloroethane-d4	8.31	65	113416	24.81	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery =	99.24%		
29) Benzene-d6	8.28	84	340704	24.74	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery =	98.96%		
33) 1,2-Dichloropropane-d6	9.28	67	115874	25.22	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery =	100.88%		
37) Toluene-d8	10.33	98	306062	24.73	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery =	98.92%		
38) trans-1,3-Dichloropropene-	10.58	79	49035	24.29	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery =	97.16%		
39) 2-Hexanone-d5	10.93	63	82590	66.78	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery =	133.56%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	142627	28.34	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery =	113.36%		
61) 1,2-Dichlorobenzene-d4	13.86	152	123008	25.14	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery =	100.56%		

Target Compounds

				Qvalue	
2) Dichlorodifluoromethane	2.00	85	33235m)	16.231 ug/L	96
3) Chloromethane	2.21	50	69284	21.165 ug/L	96
5) Vinyl chloride	2.36	62	106568	21.620 ug/L	99
6) Bromomethane	2.78	94	53203	20.331 ug/L	99
8) Chloroethane	2.92	64	53601	20.743 ug/L	95
9) Trichlorofluoromethane	3.26	101	58713	23.907 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110641	25.334 ug/L	98
12) 1,1-Dichloroethene	4.03	96	102828	24.154 ug/L	90
13) Acetone	4.12	43	86163	42.724 ug/L	99
14) Carbon disulfide	4.37	76	324661	23.573 ug/L	99
15) Methyl Acetate	4.67	43	87773	25.512 ug/L	99
16) Methylene chloride	4.91	84	112862	18.395 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	204633	24.854 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	108066	24.656 ug/L	97
19) 1,1-Dichloroethane	6.21	63	207762	24.916 ug/L	99
21) 2-Butanone	7.18	43	122723	49.044 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	117437	25.069 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54635	24.804	ug/L	96
25) Chloroform	7.68	83	212809	24.993	ug/L	99
27) 1,2-Dichloroethane	8.40	62	154916	24.685	ug/L	98
30) Cyclohexane	7.96	56	194863	26.905	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	174715	25.869	ug/L	99
32) Carbon tetrachloride	8.07	117	166955	25.622	ug/L	99
34) Benzene	8.32	78	471924	25.926	ug/L	100
35) Trichloroethene	9.09	95	122921	25.239	ug/L	99
36) Methylcyclohexane	9.34	83	221114	27.468	ug/L	100
40) 1,2-Dichloropropane	9.37	63	125573	25.447	ug/L	99
41) Bromodichloromethane	9.65	83	152761	25.143	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	173059	24.889	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	241532	55.677	ug/L	99
44) Toluene	10.39	91	506770	26.568	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	163564	25.503	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	95514	24.905	ug/L	97
47) Tetrachloroethene	10.87	164	99226	25.261	ug/L	97
49) 2-Hexanone	10.98	43	186225	55.449	ug/L	99
50) Dibromochloromethane	11.13	129	111727	26.005	ug/L	93
51) 1,2-Dibromoethane	11.24	107	93907	25.071	ug/L	97
52) Chlorobenzene	11.66	112	310764	25.410	ug/L	100
53) Ethylbenzene	11.74	91	553111	26.788	ug/L	96
54) m,p-Xylene	11.85	106	210312	27.637	ug/L	95
55) o-xylene	12.17	106	193667	26.607	ug/L	98
56) Styrene	12.19	104	343158	27.291	ug/L	98
57) Isopropylbenzene	12.47	105	556619	27.892	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	141459	25.805	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	111491	26.274	ug/L	100
62) Bromoform	12.35	173	70711	24.620	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	234194	24.985	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	248061	24.682	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	235374	25.767	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	27633	25.948	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	188448	25.424	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	151092	25.419	ug/L	97
69) Naphthalene	15.38	128	365206	27.288	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	149598	26.452	ug/L	99

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