

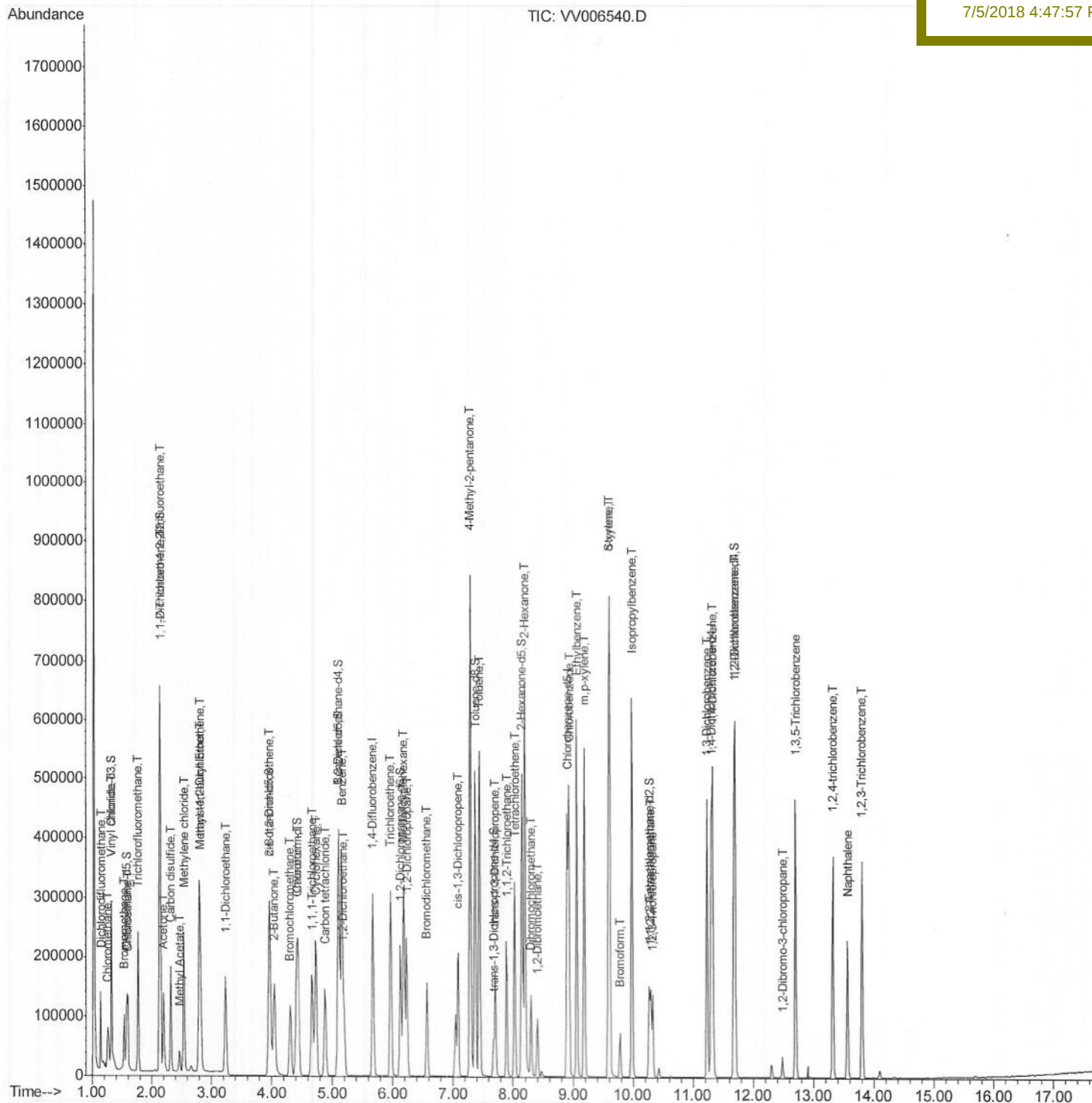
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070218\
 Data File : VV006540.D
 Acq On : 02 Jul 2018 20:12
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 00:05:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 30 02:15:06 2018
 Response via : Initial Calibration

Instrument :
 MSVOA_V
 Lab Sample Id :
 VSTD00571

Manual Integrations
 APPROVED

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 7/5/2018 4:47:57 PM



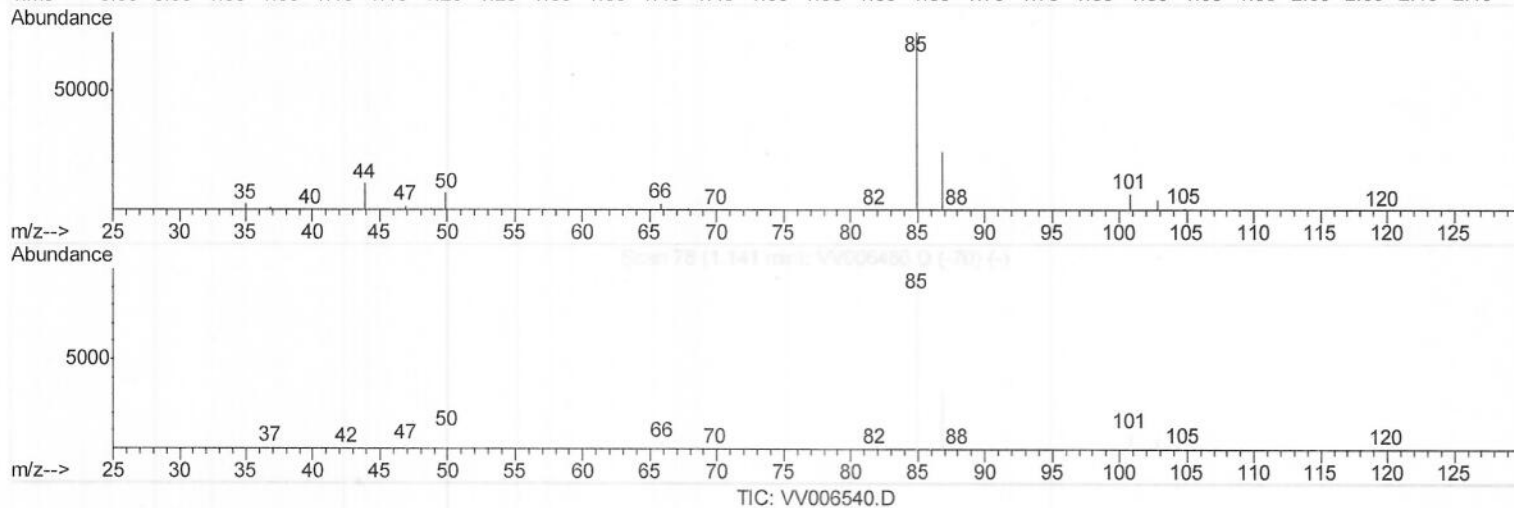
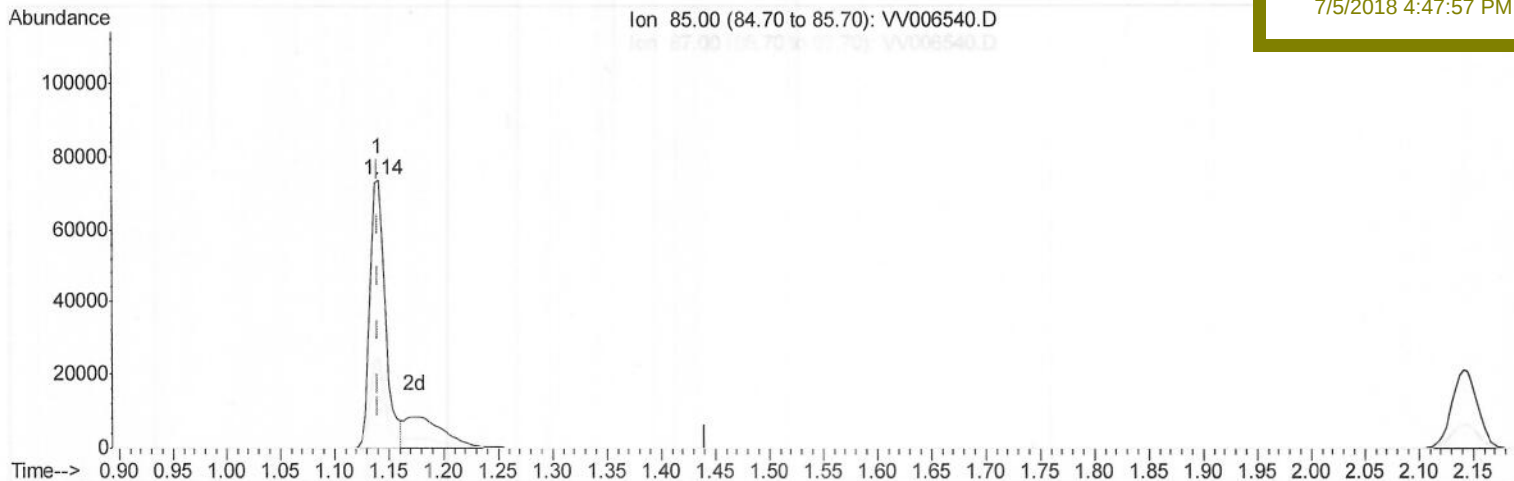
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(2) Dichlorodifluoromethane (T)

1.141min (0.000) 3.57ug/L

response 70801

Ion	Exp%	Act%
85.00	100	100
87.00	32.40	32.18
0.00	0.00	0.00
0.00	0.00	0.00

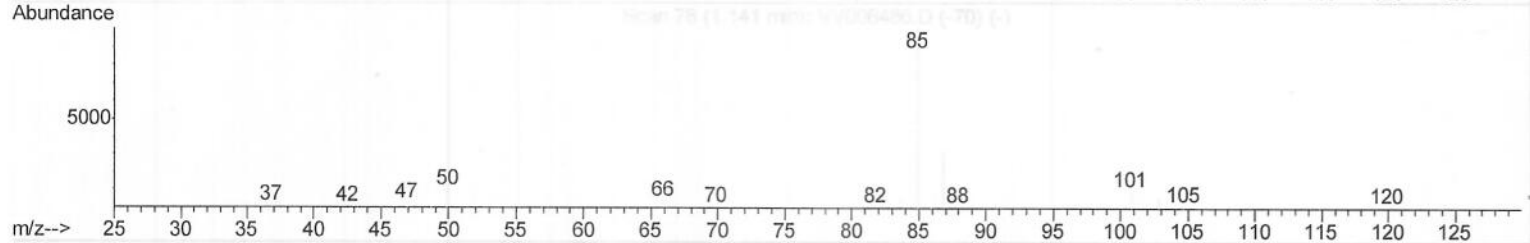
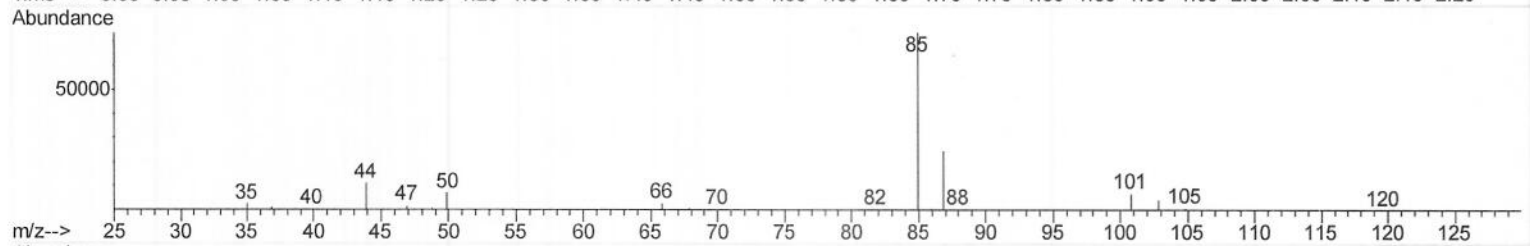
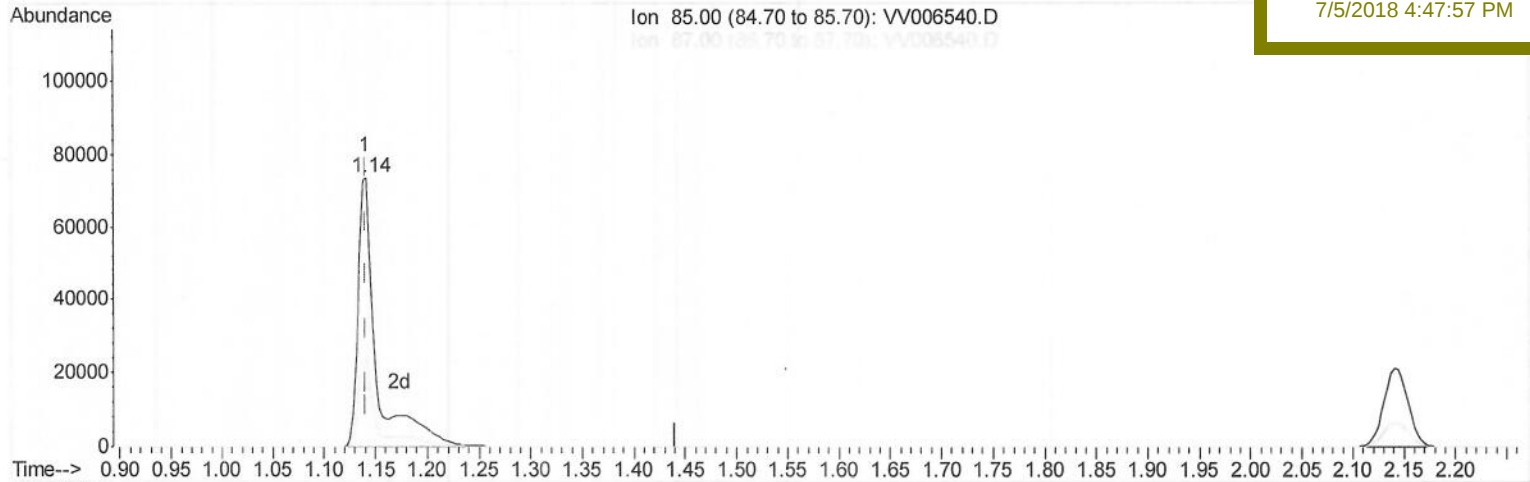
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TIC: VV006540.D

(2) Dichlorodifluoromethane (T)

1.141min (0.000) 4.65ug/L m

response 92297

Ion	Exp%	Act%
85.00	100	100
87.00	32.40	24.68#
0.00	0.00	0.00
0.00	0.00	0.00

MD
07/07/18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	270635	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	247030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105275	5.92	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	118.40%	
7) Chloroethane-d5	1.58	69	81875	5.71	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	114.20%	
11) 1,1-Dichloroethene-d2	2.13	63	176321	5.59	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	111.80%	
20) 2-Butanone-d5	3.96	46	214772	64.41	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	128.82%	
24) Chloroform-d	4.41	84	171851	5.66	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	113.20%	
26) 1,2-Dichloroethane-d4	5.09	65	82598	5.82	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	116.40%	
32) Benzene-d6	5.11	84	367107	5.71	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	114.20%	
36) 1,2-Dichloropropane-d6	6.12	67	110570	5.77	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	115.40%	
41) Toluene-d8	7.37	98	343037	5.62	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	112.40%	
43) trans-1,3-Dichloropropene-	7.67	79	36023	5.10	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	102.00%	
46) 2-Hexanone-d5	8.14	63	184182	65.85	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	131.70%#	
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71002	6.04	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	120.80%#	
64) 1,2-Dichlorobenzene-d4	11.68	152	122275	5.56	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	111.20%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	92297m)	4.654 ug/L	100
3) Chloromethane	1.26	50	100982	4.967 ug/L	99
5) Vinyl chloride	1.32	62	112090	5.075 ug/L	99
6) Bromomethane	1.53	94	37735	2.950 ug/L	96
8) Chloroethane	1.59	64	68760	4.908 ug/L	99
9) Trichlorofluoromethane	1.77	101	135961	5.121 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	84837	5.087 ug/L	99
12) 1,1-Dichloroethene	2.14	96	83948	5.129 ug/L	97
13) Acetone	2.20	43	129712	63.464 ug/L	98
14) Carbon disulfide	2.32	76	193988	4.197 ug/L	100
15) Methyl Acetate	2.47	43	37118	6.168 ug/L	100
16) Methylene chloride	2.54	84	100410	5.238 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	225582	5.687 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	92821	5.180 ug/L	98
19) 1,1-Dichloroethane	3.23	63	168400	5.277 ug/L	100
21) 2-Butanone	4.04	43	223438	60.492 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	105411	5.350 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	43956	5.490	ug/L	96
25) Chloroform	4.44	83	173944	5.408	ug/L	99
27) 1,2-Dichloroethane	5.19	62	100547	5.563	ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	137133	5.091	ug/L	100
30) Cyclohexane	4.73	56	122488	4.549	ug/L	99
31) Carbon tetrachloride	4.88	117	109377	4.841	ug/L	99
33) Benzene	5.15	78	388148	5.320	ug/L	100
34) Trichloroethene	5.96	95	104831	5.023	ug/L	99
35) Methylcyclohexane	6.18	83	138189	4.554	ug/L	98
37) 1,2-Dichloropropane	6.23	63	97117	5.447	ug/L	100
38) Bromodichloromethane	6.56	83	106289	5.180	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	126247	5.089	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	529600	61.048	ug/L	99
42) Toluene	7.44	91	403376	5.221	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	97610	5.016	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	71840	5.835	ug/L	99
47) Tetrachloroethene	8.02	164	77437	4.911	ug/L	99
48) 2-Hexanone	8.19	43	387790	62.135	ug/L	99
49) Dibromochloromethane	8.30	129	69593	5.302	ug/L	97
50) 1,2-Dibromoethane	8.40	107	63901	5.773	ug/L	96
51) Chlorobenzene	8.93	112	269021	5.262	ug/L	99
52) Ethylbenzene	9.06	91	424079	5.070	ug/L	100
53) m,p-xylene	9.19	106	165191	5.121	ug/L	100
54) o-xylene	9.59	106	162814	5.145	ug/L	98
55) Styrene	9.61	104	280975	5.427	ug/L	99
56) Isopropylbenzene	9.98	105	419085	5.082	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	68092	5.864	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	58329	6.015	ug/L	99
61) Bromoform	9.78	173	34587	5.210	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	202596	5.199	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	204338	5.243	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	196883	5.398	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8673	5.596	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	153082	5.170	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	121726	5.606	ug/L	98
69) Naphthalene	13.56	128	196375	6.188	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	117552	5.816	ug/L	100

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