

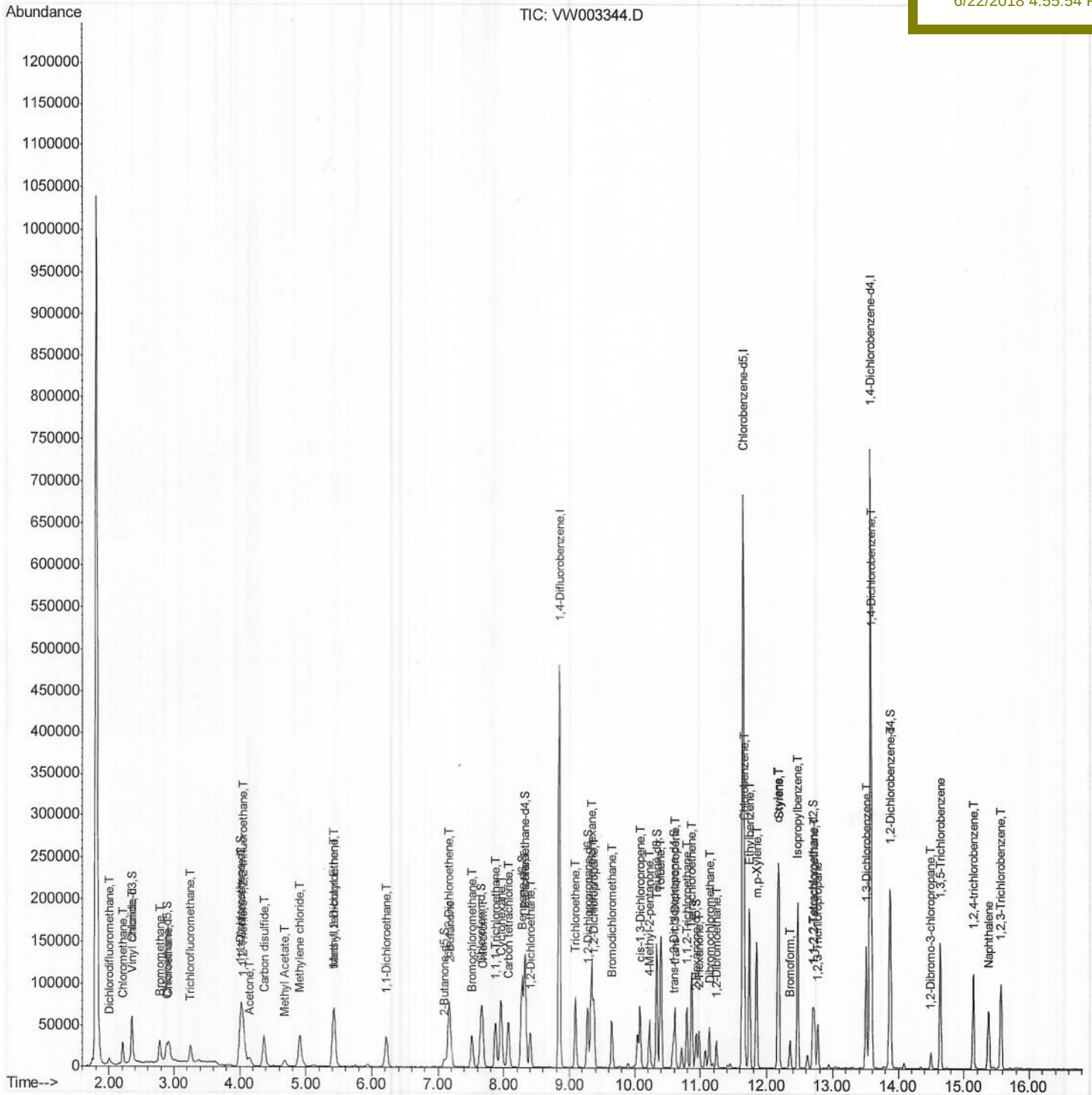
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062018\
Data File : VW003344.D
Acq On : 20 Jun 2018 10:03
Operator : SY/AP
Sample : VSTD00587
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 04:08:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 20 11:34:29 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
VSTD00587

Manual Integrations
APPROVED

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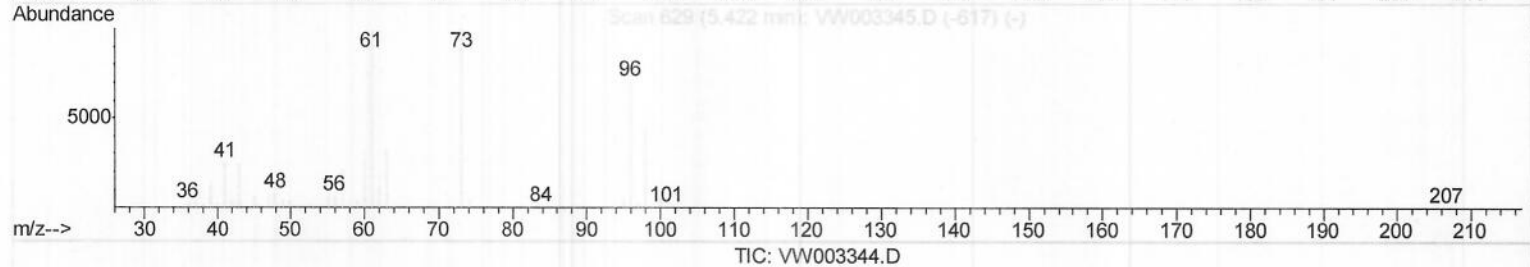
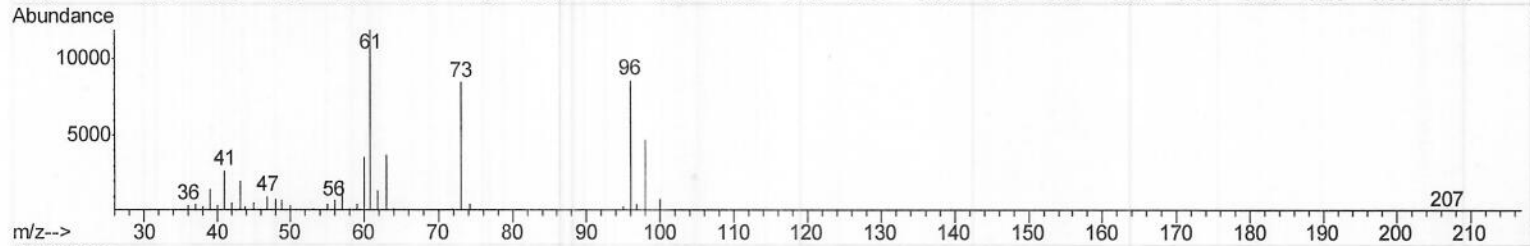
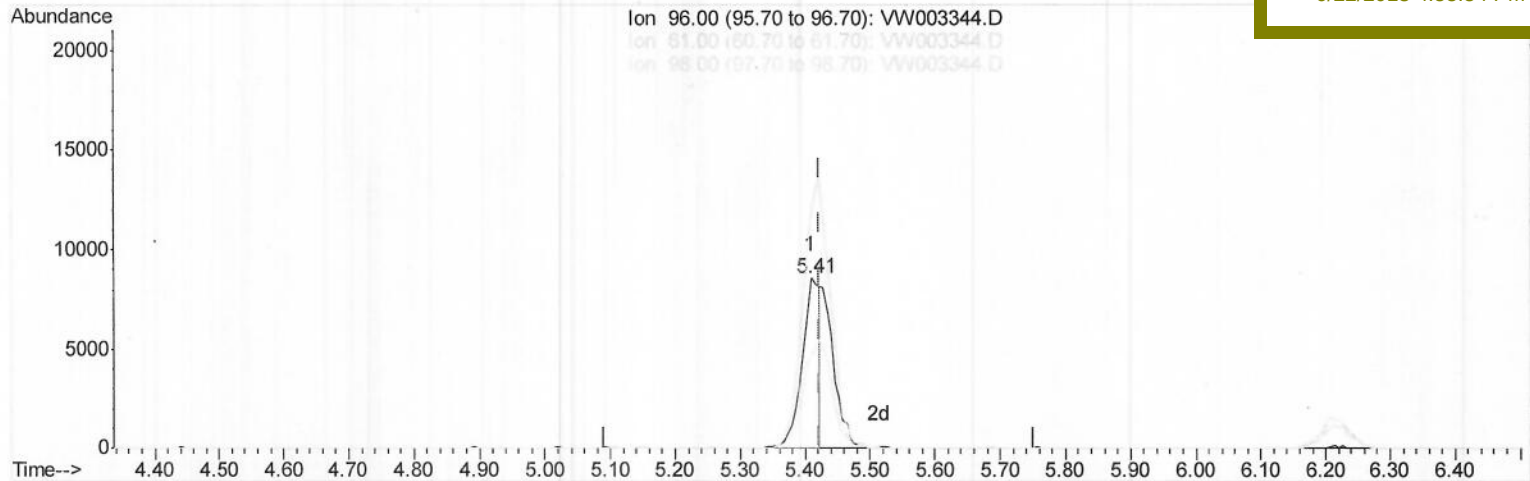
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Quant Time: Jun 20 11:36:00 2018
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Quant Title : VOC Analysis
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(18) trans-1,2-Dichloroethene (T)

5.410min (-0.012) 3.35ug/L

response 16066

Ion	Exp%	Act%
96.00	100	100
61.00	140.00	138.36
98.00	63.20	54.92
0.00	0.00	0.00

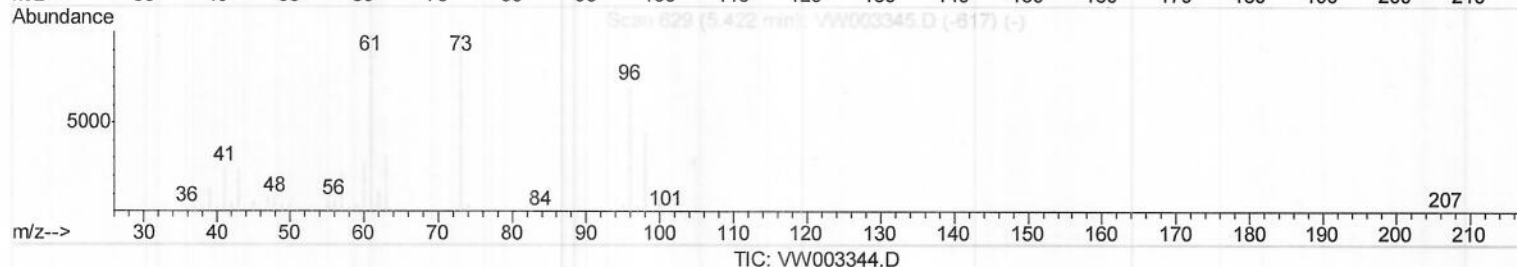
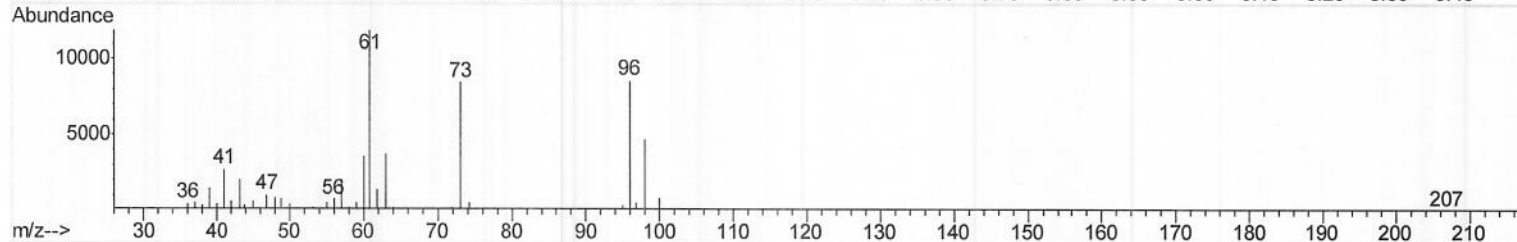
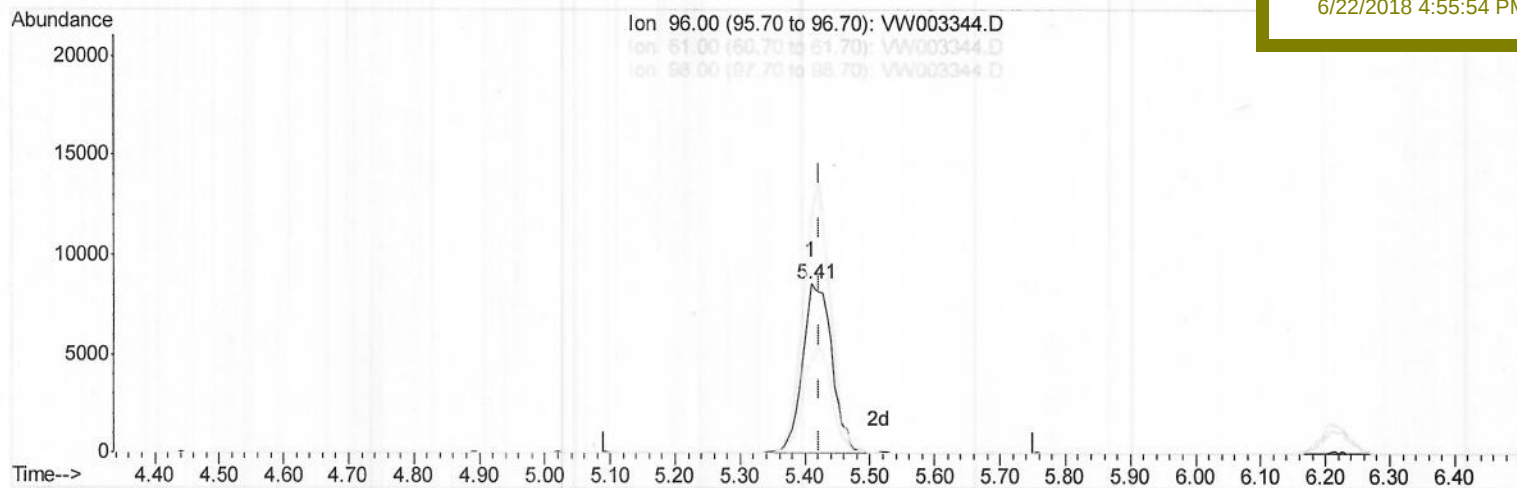
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Manual Integrations
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(18) trans-1,2-Dichloroethene (T)

5.410min (-0.012) 5.63ug/L m

response 27012

Ion	Exp%	Act%
96.00	100	100
61.00	140.00	138.36
98.00	63.20	54.92
0.00	0.00	0.00

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 06/30/18

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Quant Title : VOC Analysis

QLast Update : Wed Jun 20 11:34:29 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	385430	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	360857	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	177287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	27100	5.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	22393	4.65	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	55118	5.57	ug/L	0.00
20) 2-Butanone-d5	7.09	46	18045	10.63	ug/L	0.00
24) Chloroform-d	7.65	84	55061	5.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33322	5.50	ug/L	0.00
29) Benzene-d6	8.27	84	101643	5.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	32489	5.38	ug/L	0.00
37) Toluene-d8	10.33	98	94143	5.08	ug/L	0.00
38) trans-1,3-Dichloropropene	10.59	79	14884	5.20	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	12204	9.09	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	30123	5.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	36593	5.24	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10928	6.814	ug/L	92
3) Chloromethane	2.21	50	25761	6.406	ug/L	100
5) Vinyl chloride	2.36	62	36284	5.814	ug/L	99
6) Bromomethane	2.78	94	21014	5.269	ug/L	99
8) Chloroethane	2.92	64	22385	5.362	ug/L	97
9) Trichlorofluoromethane	3.25	101	20842	5.157	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27663	5.746	ug/L	# 83
12) 1,1-Dichloroethene	4.03	96	25898	5.676	ug/L	92
13) Acetone	4.15	43	17675	10.204	ug/L	81
14) Carbon disulfide	4.37	76	83118	5.618	ug/L	97
15) Methyl Acetate	4.68	43	15239	5.648	ug/L	# 83
16) Methylene chloride	4.92	84	29937	5.091	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	44399	5.122	ug/L	# 88
18) trans-1,2-Dichloroethene	5.41	96	27012m	5.629	ug/L	97
19) 1,1-Dichloroethane	6.21	63	50435	5.773	ug/L	97
21) 2-Butanone	7.18	43	20929	10.641	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	27738	5.463	ug/L	96
23) Bromochloromethane	7.51	128	13297	5.516	ug/L	86
25) Chloroform	7.68	83	50988	5.525	ug/L	99
27) 1,2-Dichloroethane	8.40	62	37000	5.583	ug/L	# 95
30) Cyclohexane	7.96	56	40474	5.070	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	42174	5.546	ug/L	100
32) Carbon tetrachloride	8.07	117	39755	5.443	ug/L	99
34) Benzene	8.32	78	107581	5.439	ug/L	100
35) Trichloroethene	9.10	95	29137	5.515	ug/L	98
36) Methylcyclohexane	9.34	83	47287	5.207	ug/L	98
40) 1,2-Dichloropropane	9.37	63	28876	5.672	ug/L	99
41) Bromodichloromethane	9.65	83	35408	5.373	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	39586	5.038	ug/L	94
43) 4-Methyl-2-pentanone	10.22	43	37093	9.608	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	113769	5.286	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	36290	5.133	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21199	5.406	ug/L	96
47) Tetrachloroethene	10.87	164	24994	5.641	ug/L	99
49) 2-Hexanone	10.98	43	26195	9.396	ug/L	98
50) Dibromochloromethane	11.13	129	24886	5.211	ug/L	93
51) 1,2-Dibromoethane	11.24	107	20605	5.305	ug/L	100
52) Chlorobenzene	11.66	112	75279	5.356	ug/L	96
53) Ethylbenzene	11.74	91	125502	5.144	ug/L	97
54) m,p-Xylene	11.85	106	45934	5.090	ug/L	97
55) o-xylene	12.17	106	42059	4.901	ug/L	97
56) Styrene	12.19	104	74228	4.964	ug/L	99
57) Isopropylbenzene	12.47	105	118927	4.965	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	27700	5.336	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21233	5.370	ug/L	97
62) Bromoform	12.36	173	15407	5.331	ug/L #	96
63) 1,3-Dichlorobenzene	13.51	146	56724	5.379	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	60362	5.476	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	55821	5.599	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	4724	5.528	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	44773	5.422	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	35435	5.245	ug/L	99
69) Naphthalene	15.38	128	59856	4.664	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	33505	5.339	ug/L	99

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