

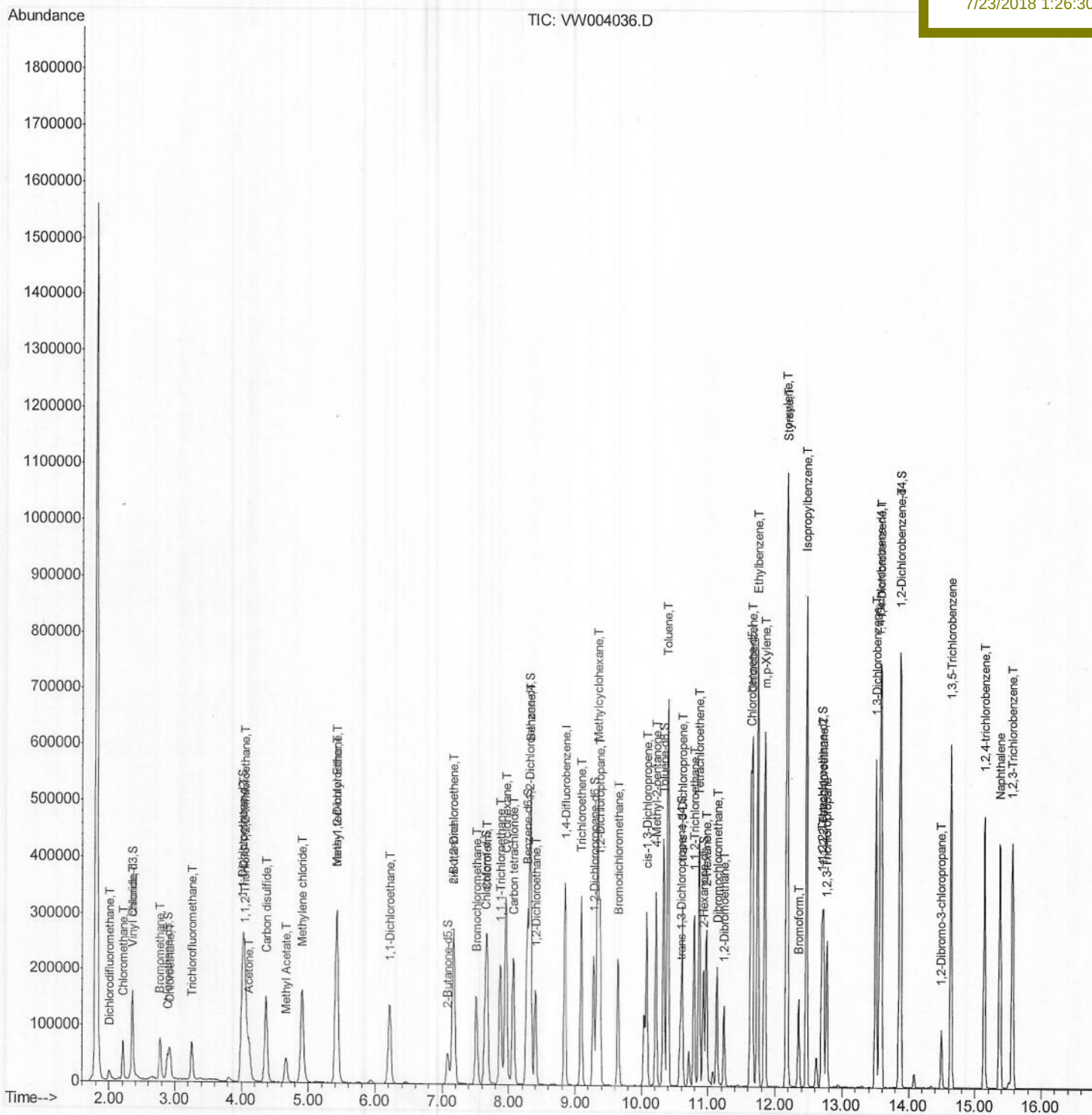
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
 Data File : VW004036.D
 Acq On : 19 Jul 2018 10:36
 Operator : VA/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTD02589

Quant Time: Jul 20 06:40:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 09:44:06 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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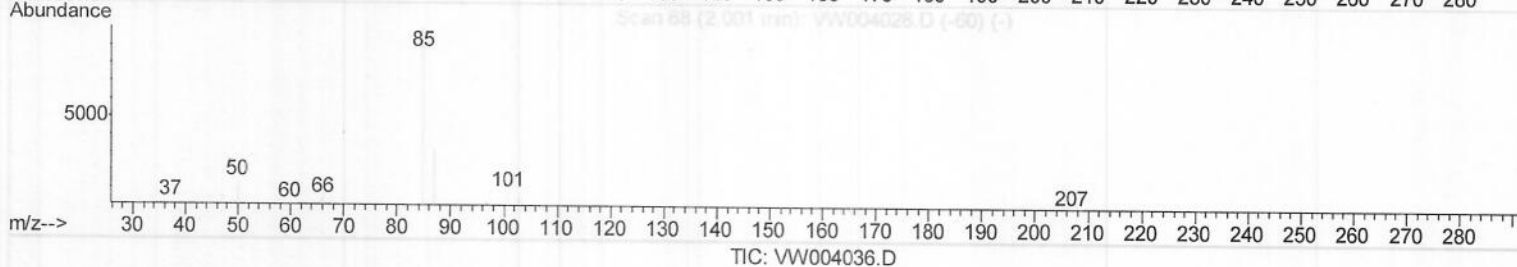
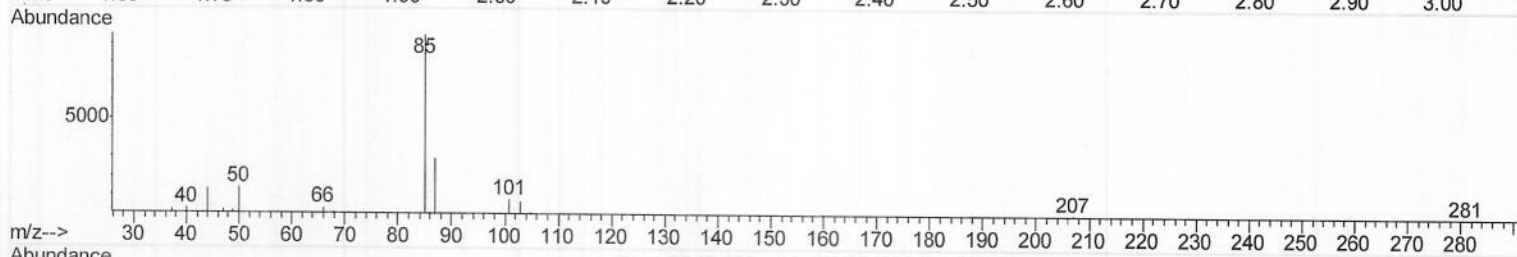
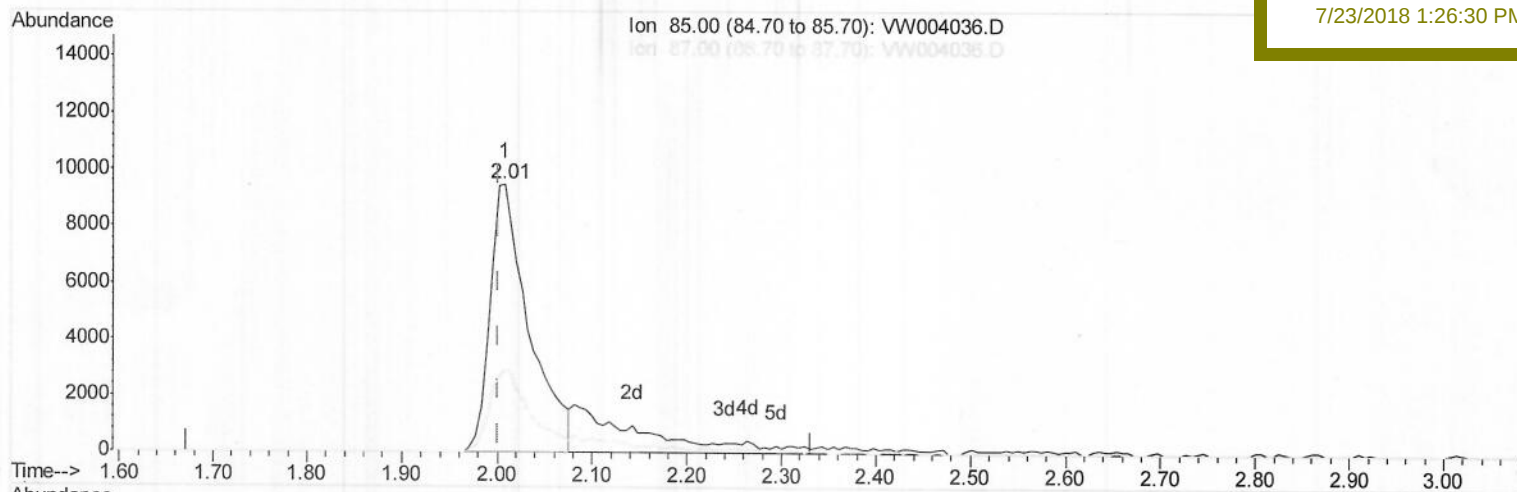
VSTD02589

Manual Integrations

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(2) Dichlorodifluoromethane (T)

2.008min (+0.006) 14.59ug/L

response 27135

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	32.21#
0.00	0.00	0.00
0.00	0.00	0.00

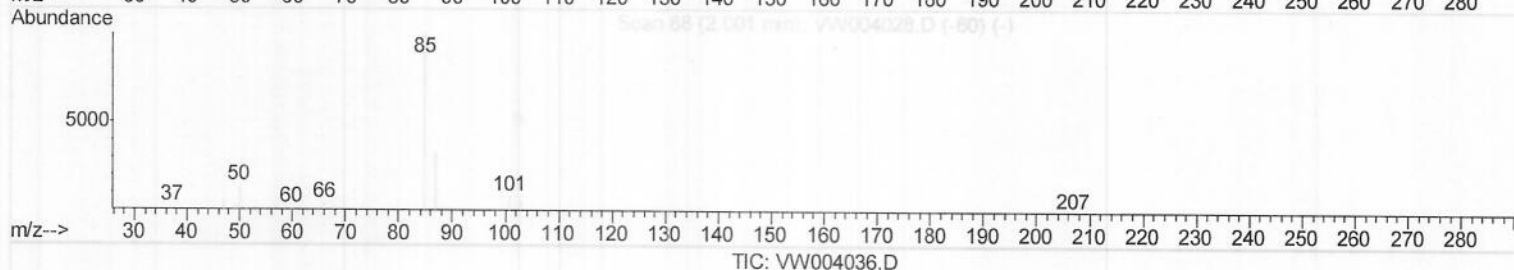
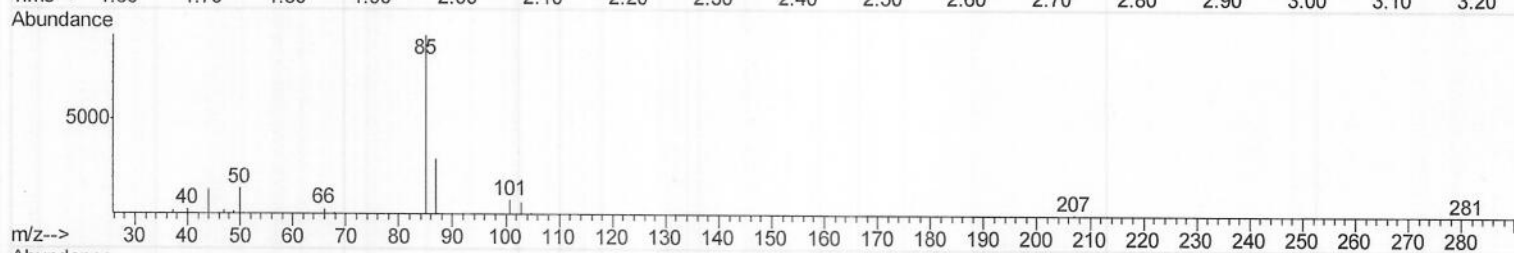
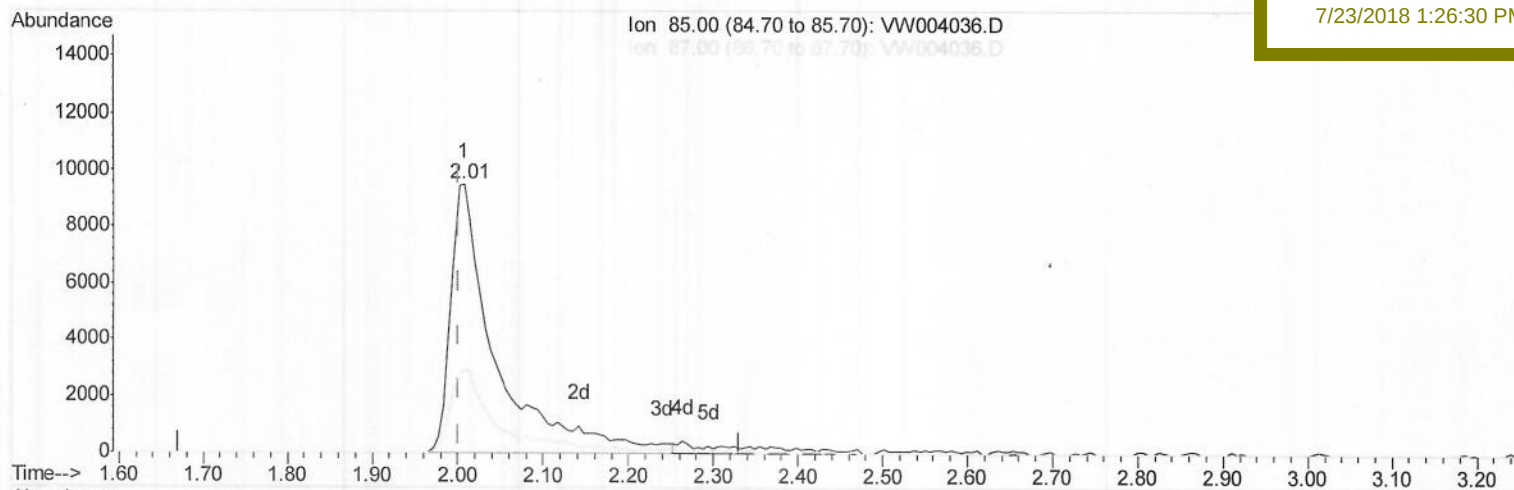
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(2) Dichlorodifluoromethane (T)

2.008min (+0.006) 18.69ug/L m)

response 34755

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07/24/18

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	25.15#
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	290380	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	139045	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	66438	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
7) Chloroethane-d5	2.89	69	50605	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
10) 1,1-Dichloroethene-d2	4.01	63	170524	24.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.00%
20) 2-Butanone-d5	7.08	46	93303	55.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.80%
24) Chloroform-d	7.65	84	176353	25.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.36%
26) 1,2-Dichloroethane-d4	8.31	65	104742	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.92%
29) Benzene-d6	8.27	84	316615	25.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.20%
33) 1,2-Dichloropropane-d6	9.28	67	106940	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.48%
37) Toluene-d8	10.33	98	288286	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.56%
38) trans-1,3-Dichloropropene-	10.59	79	48751	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.32%
39) 2-Hexanone-d5	10.93	63	66822	59.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	125865	27.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.08%
61) 1,2-Dichlorobenzene-d4	13.87	152	116760	26.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.44%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34755m	18.693	ug/L	95
3) Chloromethane	2.21	50	70274	23.644	ug/L	100
5) Vinyl chloride	2.36	62	105438	23.558	ug/L	100
6) Bromomethane	2.78	94	58241	24.512	ug/L	98
8) Chloroethane	2.92	64	58767	25.047	ug/L	99
9) Trichlorofluoromethane	3.26	101	66246	29.708	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	104802	26.430	ug/L	96
12) 1,1-Dichloroethene	4.03	96	101227	26.188	ug/L	100
13) Acetone	4.12	43	90676	49.519	ug/L	99
14) Carbon disulfide	4.37	76	331650	26.521	ug/L	98
15) Methyl Acetate	4.67	43	83458	26.716	ug/L	96
16) Methylene chloride	4.91	84	127422	22.873	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	210586	28.170	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	106123	26.667	ug/L	99
19) 1,1-Dichloroethane	6.21	63	201293	26.587	ug/L	100
21) 2-Butanone	7.18	43	118613	52.206	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	116683	27.432	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54486	27.243	ug/L	98
25) Chloroform	7.68	83	206668	26.731	ug/L	100
27) 1,2-Dichloroethane	8.40	62	151633	26.611	ug/L	98
30) Cyclohexane	7.96	56	186727	28.378	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	170125	27.726	ug/L	98
32) Carbon tetrachloride	8.07	117	163293	27.584	ug/L	100
34) Benzene	8.32	78	454568	27.487	ug/L	100
35) Trichloroethene	9.09	95	118791	26.847	ug/L	100
36) Methylcyclohexane	9.34	83	210489	28.782	ug/L	99
40) 1,2-Dichloropropane	9.37	63	121533	27.109	ug/L	100
41) Bromodichloromethane	9.65	83	148690	26.937	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	177825	28.150	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	222916	56.560	ug/L	100
44) Toluene	10.39	91	489450	28.244	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	165106	28.336	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	92596	26.575	ug/L	96
47) Tetrachloroethene	10.87	164	98843	27.698	ug/L	96
49) 2-Hexanone	10.98	43	175658	57.570	ug/L	99
50) Dibromochloromethane	11.13	129	110758	28.376	ug/L	93
51) 1,2-Dibromoethane	11.24	107	92894	27.297	ug/L	100
52) Chlorobenzene	11.66	112	302141	27.193	ug/L	98
53) Ethylbenzene	11.74	91	532699	28.398	ug/L	98
54) m,p-Xylene	11.85	106	198987	28.782	ug/L	100
55) o-xylene	12.17	106	185994	28.126	ug/L	95
56) Styrene	12.19	104	329054	28.804	ug/L	100
57) Isopropylbenzene	12.47	105	537818	29.663	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	133576	26.821	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	104182	27.023	ug/L	98
62) Bromoform	12.35	173	71663	27.310	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	232314	27.127	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	246722	26.869	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	225222	26.987	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25063	25.759	ug/L	91
67) 1,3,5-Trichlorobenzene	14.64	180	184196	27.200	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	151691	27.932	ug/L	98
69) Naphthalene	15.38	128	362880	29.678	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	149243	28.884	ug/L	98

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