

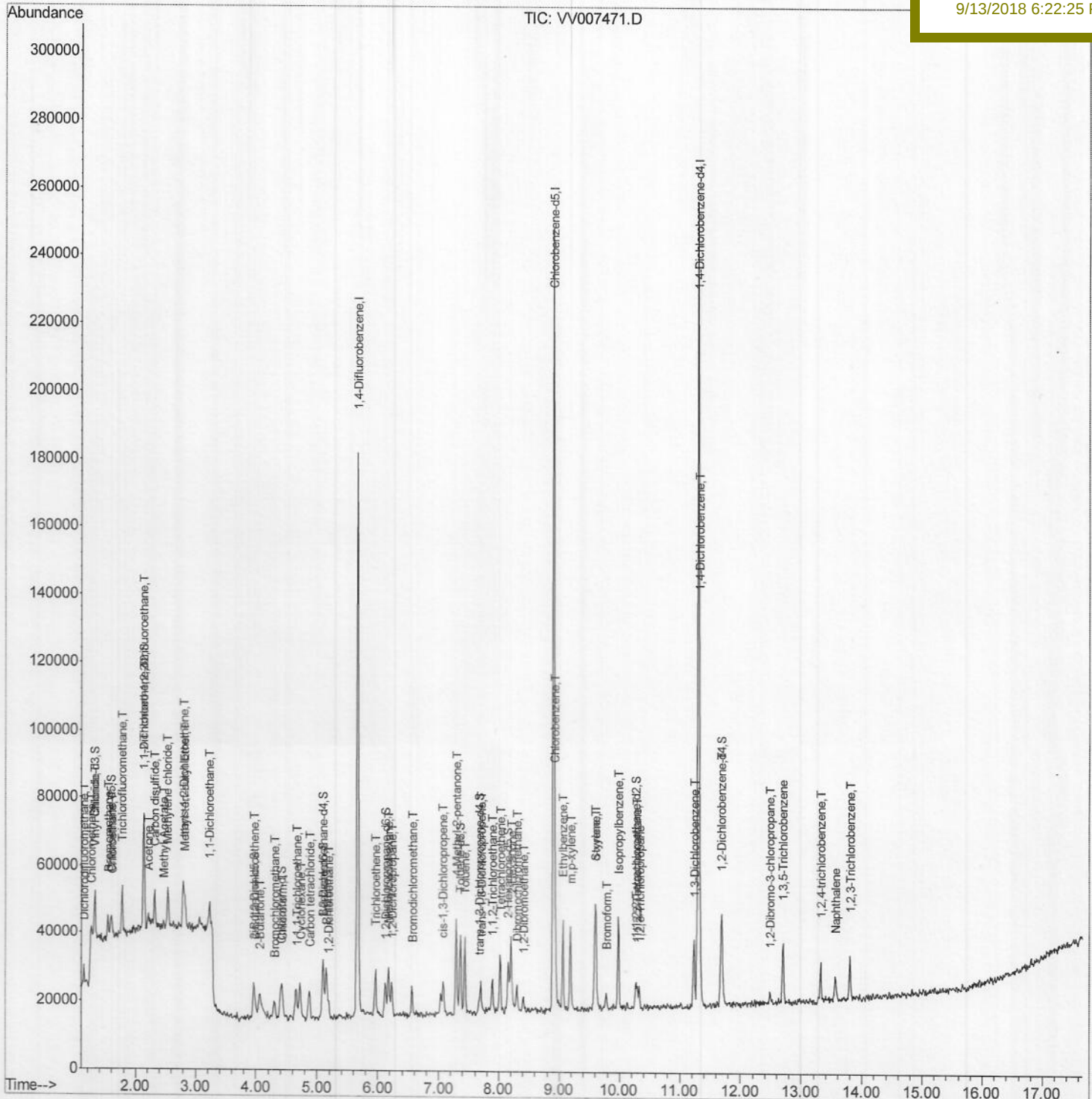
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091218\
Data File : VV007471.D
Acq On : 12 Sep 2018 11:47
Operator : SY/MD
Sample : VSTD0.564
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 01:59:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 13 01:53:45 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

Manual Integrations APPROVED

MMDadoda
9/13/2018 6:22:25 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091218\

Data File : Copy of VV007471.D

Acq On : 12 Sep 2018 11:47

Operator : SY/MD

Sample : VSTD0.564

Misc : 25.0 mL/MSVOA_V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 02:47:37 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Sep 13 07:19:10 2018

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampled :

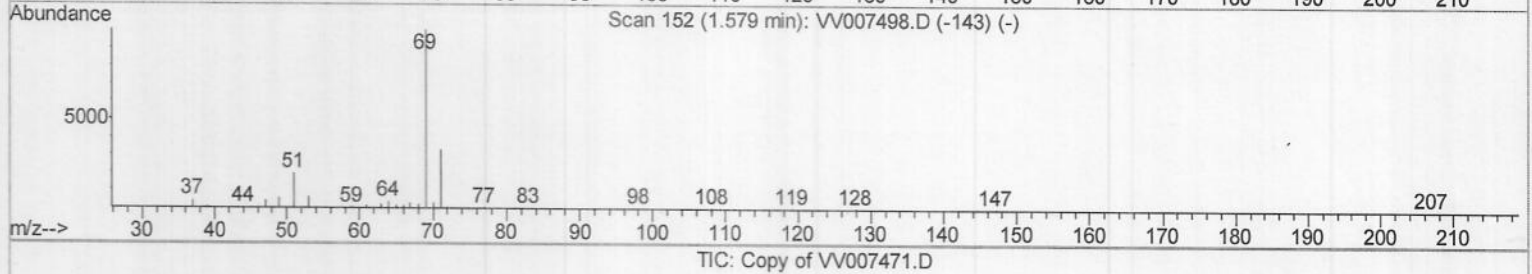
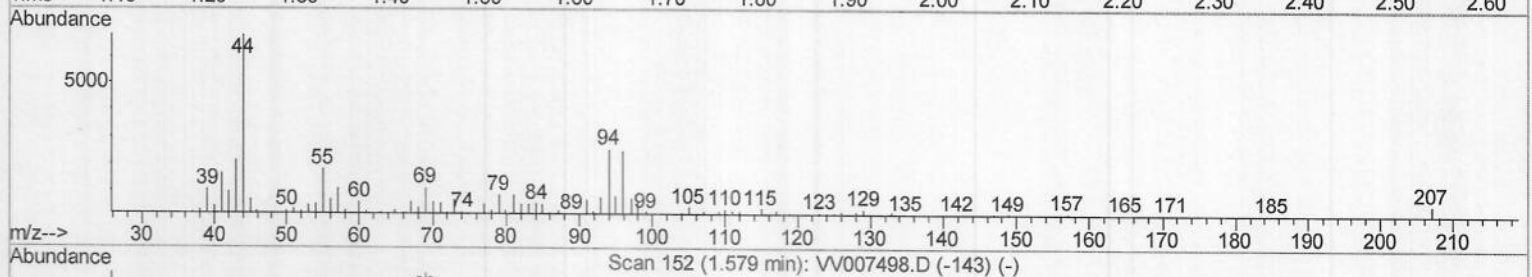
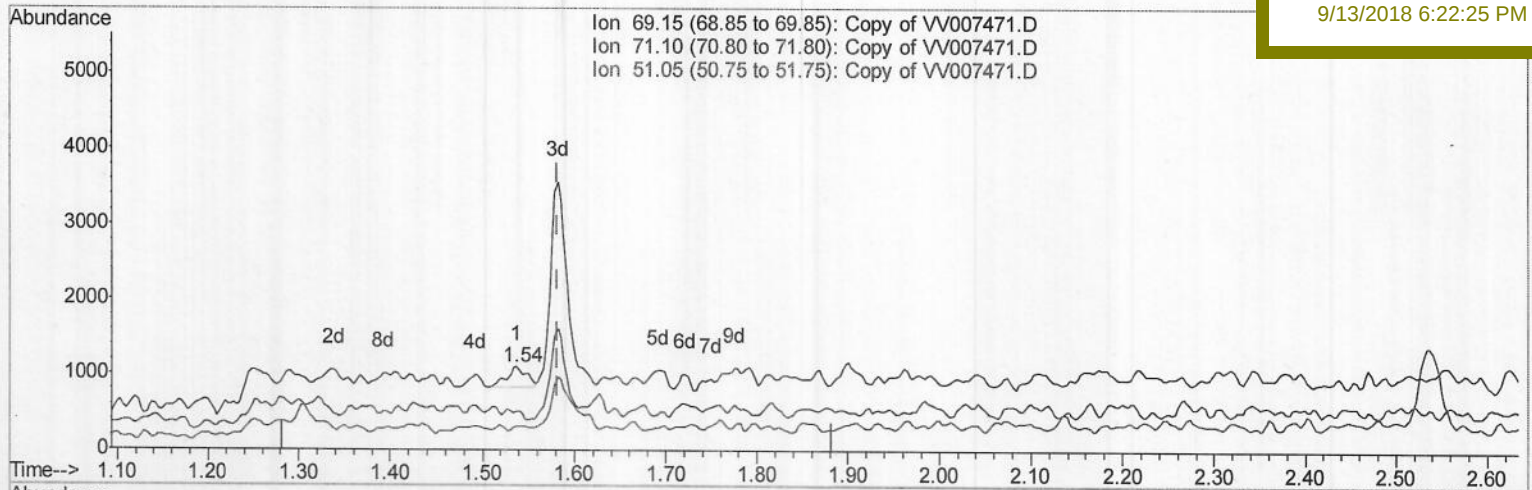
VSTD0.564

Manual Integrations

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(7) Chloroethane-d5 (S)

1.537min (-0.045) 0.06ug/L

response 416

Ion	Exp%	Act%
69.15	100	100
71.10	34.40	35.82
51.05	23.40	18.03
0.00	0.00	0.00

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Instrument :

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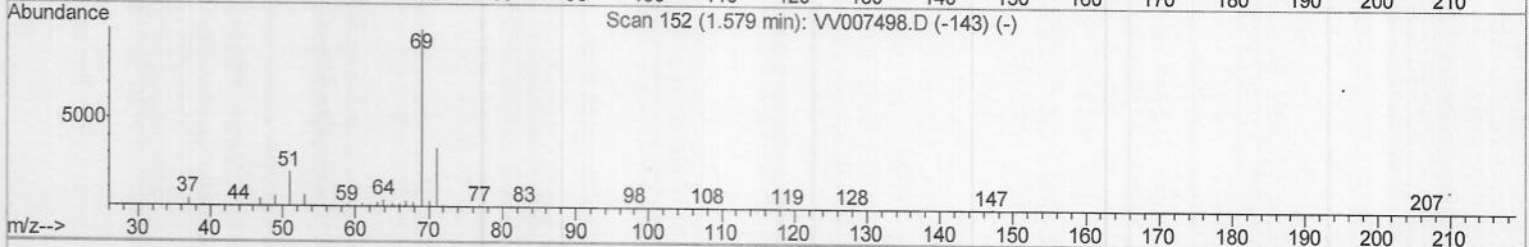
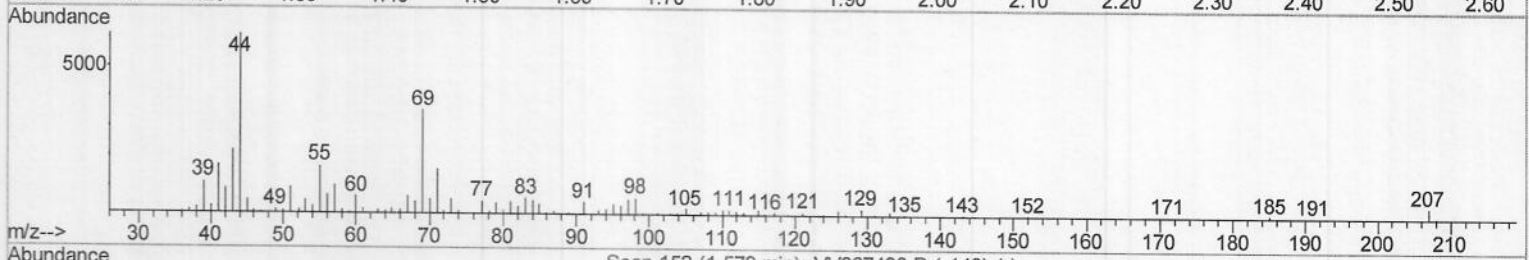
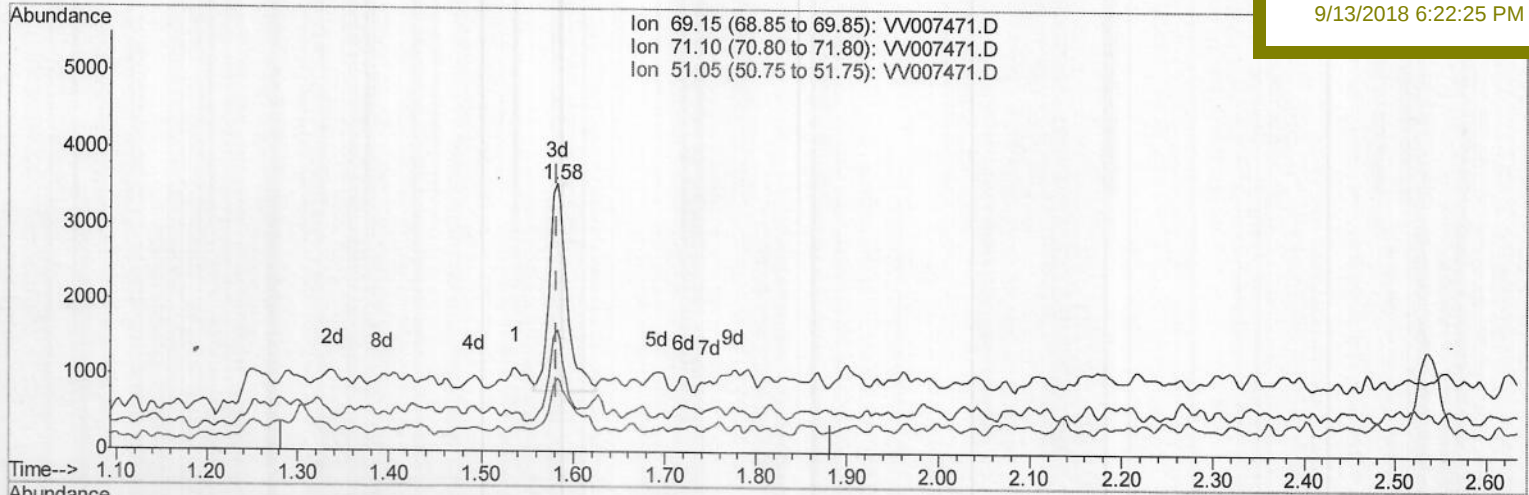
VSTD0.564

Manual Integrations

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MMDadoda

9/13/2018 6:22:25 PM



TIC: VV007471.D

(7) Chloroethane-d5 (S)

1.582min (+0.000) 0.56ug/L m > MD 09/18/18

response 3703

Ion	Exp%	Act%
69.15	100	100
71.10	34.40	4.02#
51.05	23.40	2.03#
0.00	0.00	0.00

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Quant Time: Sep 13 01:59:11 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.67	114	148232	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132532	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3928	0.50	ug/L	0.00
7) Chloroethane-d5	1.58	69	3703m)	0.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	8539	0.53	ug/L	0.00
20) 2-Butanone-d5	3.97	46	7599	4.45	ug/L	0.00
24) Chloroform-d	4.40	84	7839	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4035	0.49	ug/L	0.00
32) Benzene-d6	5.10	84	14376	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	4435	0.49	ug/L	0.00
41) Toluene-d8	7.36	98	15308	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2748	0.62	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	4279	4.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	3419	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	5979	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3721	0.431 ug/L	99
3) Chloromethane	1.25	50	4311	0.570 ug/L #	79
5) Vinyl chloride	1.32	62	4368	0.502 ug/L	99
6) Bromomethane	1.54	94	3127	0.542 ug/L	96
8) Chloroethane	1.60	64	2782	0.538 ug/L	98
9) Trichlorofluoromethane	1.77	101	7873	0.519 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4894	0.564 ug/L	96
12) 1,1-Dichloroethene	2.14	96	4322	0.565 ug/L	92
13) Acetone	2.21	43	5219	5.234 ug/L	84
14) Carbon disulfide	2.32	76	12213	0.522 ug/L #	89
15) Methyl Acetate	2.47	43	1291	0.468 ug/L #	75
16) Methylene chloride	2.54	84	5361	0.656 ug/L	86
17) Methyl tert-butyl Ether	2.82	73	10665	0.552 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	4436	0.542 ug/L	86
19) 1,1-Dichloroethane	3.23	63	8012	0.600 ug/L #	79
21) 2-Butanone	4.06	43	7101	4.382 ug/L	76
22) cis-1,2-Dichloroethene	3.96	96	3826	0.476 ug/L #	95
23) Bromochloromethane	4.31	128	2005	0.522 ug/L #	92
25) Chloroform	4.43	83	6426	0.467 ug/L	96
27) 1,2-Dichloroethane	5.19	62	3817	0.443 ug/L #	38
29) 1,1,1-Trichloroethane	4.66	97	6509	0.476 ug/L	94
30) Cyclohexane	4.72	56	5878	0.486 ug/L	99
31) Carbon tetrachloride	4.87	117	6034	0.479 ug/L	99
33) Benzene	5.15	78	14009	0.485 ug/L	100
34) Trichloroethene	5.96	95	4195	0.481 ug/L	96
35) Methylcyclohexane	6.18	83	6379	0.472 ug/L	97
37) 1,2-Dichloropropane	6.23	63	3547	0.484 ug/L #	94
38) Bromodichloromethane	6.56	83	5119	0.494 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	5647	0.479 ug/L #	78
40) 4-Methyl-2-pentanone	7.29	43	20047	4.808 ug/L	99

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 9/13/2018 6:22:25 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	15452	0.483	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	4506	0.456	ug/L #	77
45) 1,1,2-Trichloroethane	7.89	97	2971	0.536	ug/L	92
47) Tetrachloroethene	8.02	164	3638	0.488	ug/L	97
48) 2-Hexanone	8.20	43	14491	4.775	ug/L	97
49) Dibromochloromethane	8.30	129	3624	0.473	ug/L	97
50) 1,2-Dibromoethane	8.41	107	2723	0.503	ug/L #	98
51) Chlorobenzene	8.93	112	10482	0.482	ug/L	93
52) Ethylbenzene	9.06	91	17534	0.481	ug/L	96
53) m,p-xylene	9.19	106	6882	0.485	ug/L	99
54) o-xylene	9.59	106	6722	0.485	ug/L	95
55) Styrene	9.61	104	10643	0.469	ug/L	99
56) Isopropylbenzene	9.98	105	17617	0.472	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3001	0.494	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	2276	0.488	ug/L	94
61) Bromoform	9.78	173	2265	0.473	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	8584	0.489	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	8340	0.477	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	8122	0.492	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.49	75	589	0.480	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	6023	0.447	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	3745	0.367	ug/L	95
69) Naphthalene	13.56	128	5879	0.370	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.80	180	3787	0.395	ug/L	93

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