

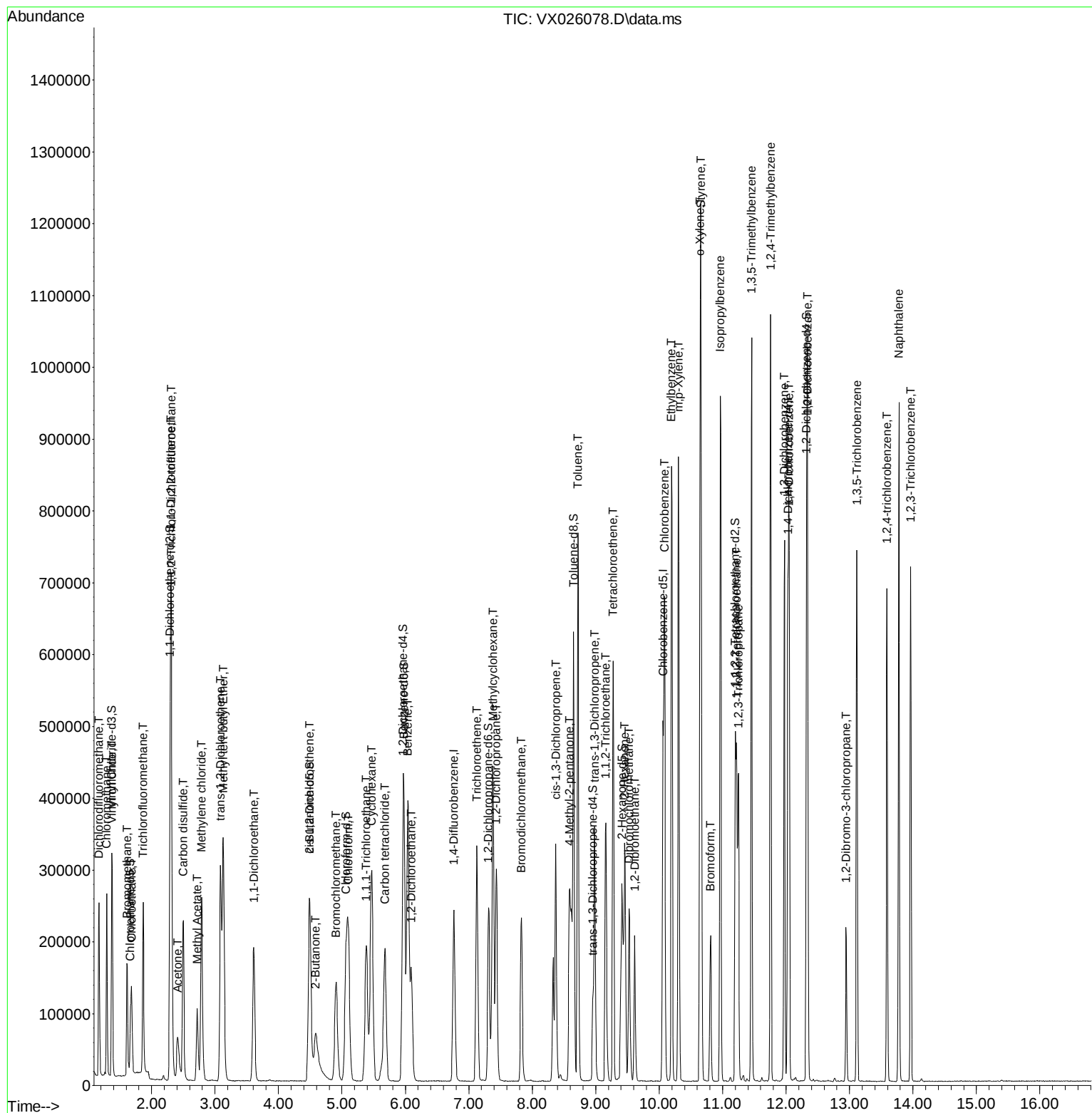
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122721\
 Data File : VX026078.D
 Acq On : 27 Dec 2021 22:18
 Operator : JC/MD
 Sample : M5174-10MEMS
 Misc : 3.87g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GBC20MEMS

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/28/2021
 Supervised By :Mahesh Dadoda 12/28/2021

Quant Time: Dec 28 02:54:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 28 02:17:03 2021
 Response via : Initial Calibration



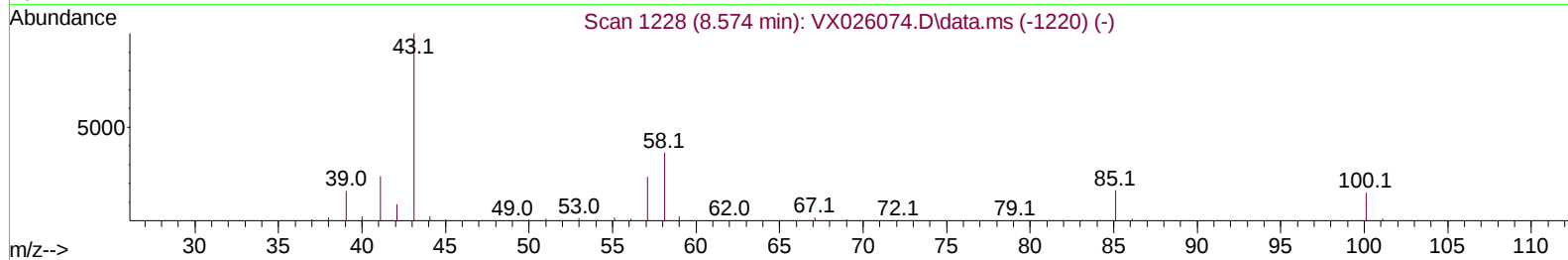
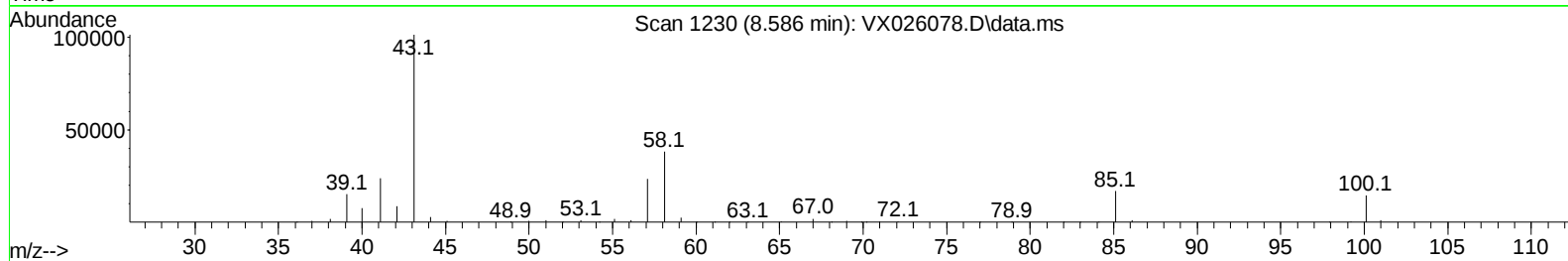
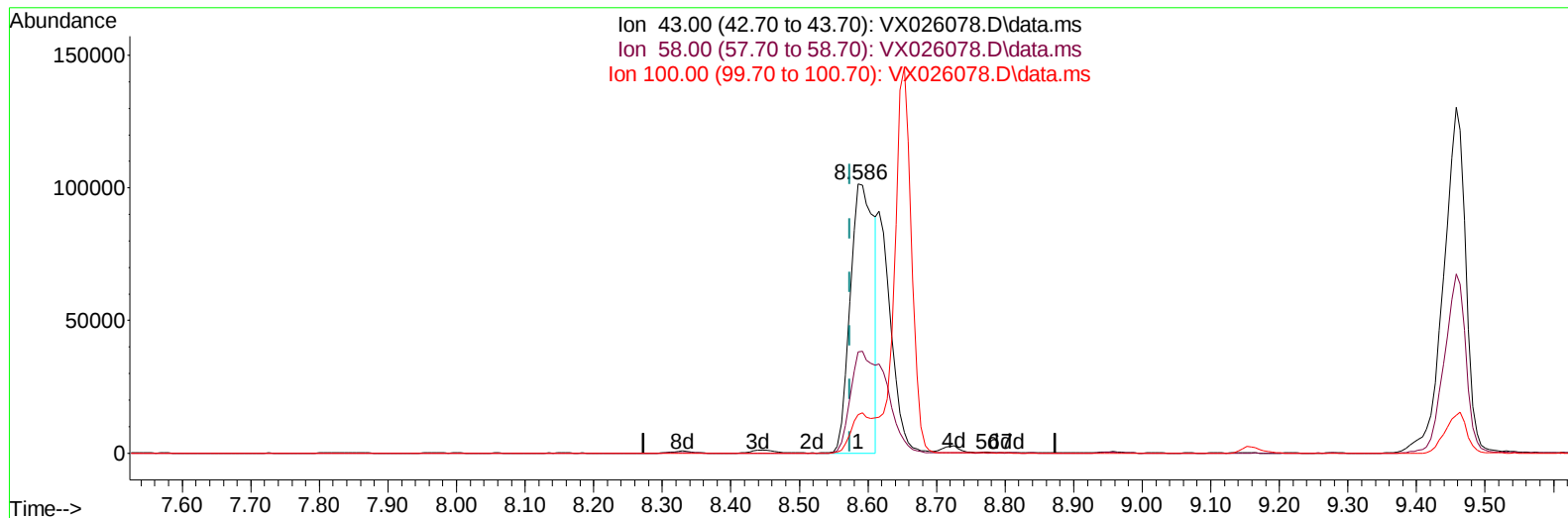
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TIC: VX026078.D\data.ms

(40) 4-Methyl-2-pentanone (T)

8.586min (+ 0.012) 77.20 ug/L

response 241756

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	40.20	37.22
100.00	17.70	12.21#
0.00	0.00	0.00

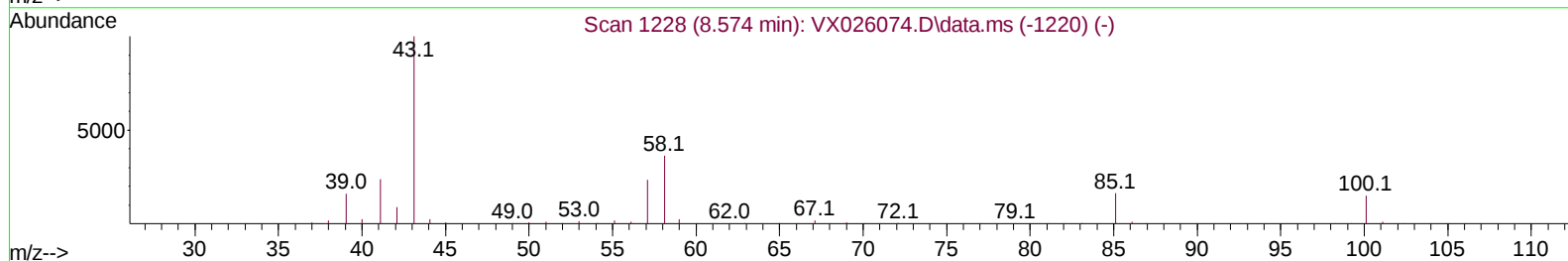
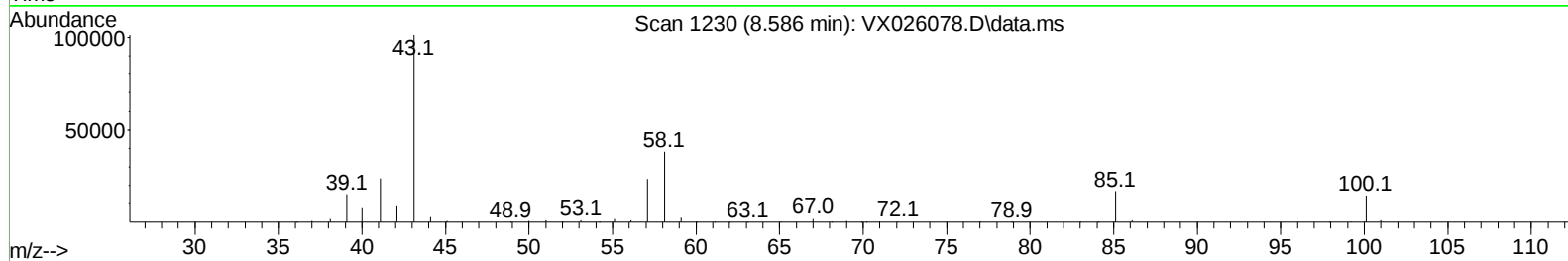
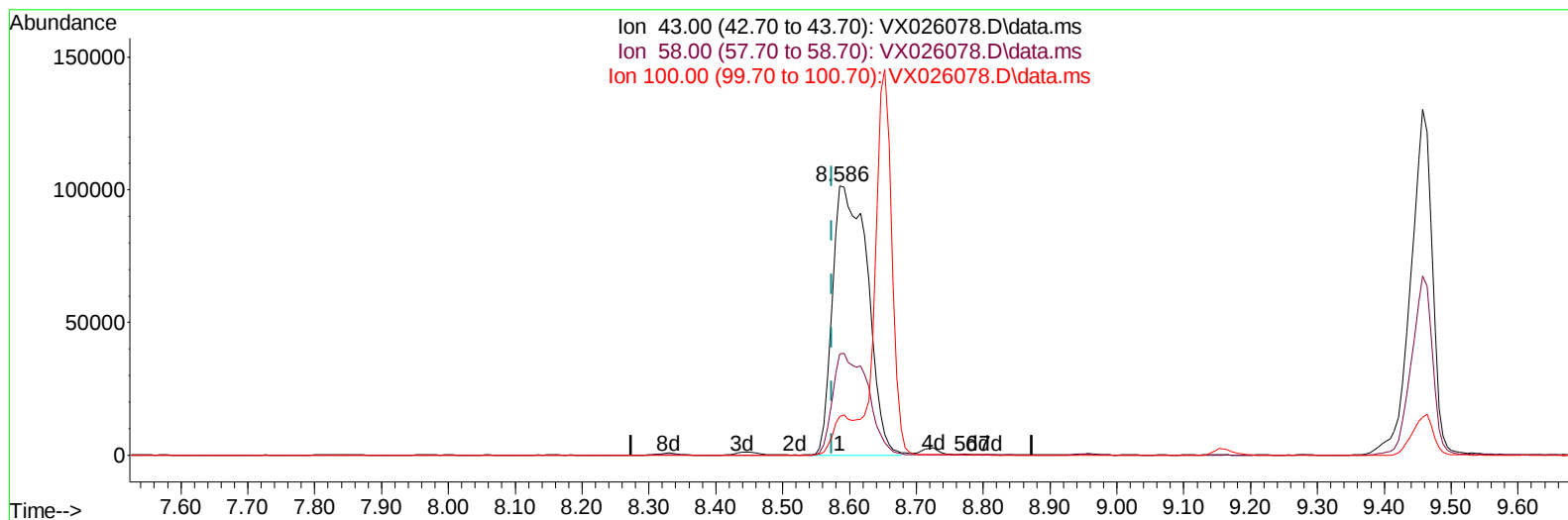
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(40) 4-Methyl-2-pentanone (T)

8.586min (+ 0.012) 117.26 ug/L m

response 367206

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	40.20	24.50#
100.00	17.70	8.04#
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	248265	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	231094	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.030	152	122839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	102127	58.009	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	116.020%	
7) Chloroethane-d5	1.666	69	62732	44.587	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	89.180%	
11) 1,1-Dichloroethene-d2	2.294	63	215088	61.651	ug/L	-0.02
Spiked Amount 50.000	Range 60	- 125	Recovery	=	123.300%	
21) 2-Butanone-d5	4.489	46	164958	108.072	ug/L	0.03
Spiked Amount 100.000	Range 40	- 130	Recovery	=	108.070%	
24) Chloroform-d	5.068	84	207622	58.930	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	117.860%	
26) 1,2-Dichloroethane-d4	5.964	65	131811	55.258	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	110.520%	
32) Benzene-d6	5.976	84	400105	60.151	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	120.300%	
36) 1,2-Dichloropropane-d6	7.312	67	124304	60.119	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	120.240%#	
41) Toluene-d8	8.653	98	357536	57.569	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	115.140%	
43) trans-1,3-Dichloroprop...	8.952	79	55966	62.214	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	124.420%	
47) 2-Hexanone-d5	9.415	63	116800	109.455	ug/L	0.03
Spiked Amount 100.000	Range 45	- 130	Recovery	=	109.450%	
56) 1,1,2,2-Tetrachloroeth...	11.201	84	171929	56.392	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	112.780%	
66) 1,2-Dichlorobenzene-d4	12.323	152	137912	59.413	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	118.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	144696	58.314	ug/L	99
3) Chloromethane	1.294	50	133739	58.066	ug/L	98
5) Vinyl chloride	1.380	62	133749	58.508	ug/L	99
6) Bromomethane	1.611	94	61443	47.070	ug/L	99
8) Chloroethane	1.685	64	61908	44.851	ug/L	98
9) Trichlorofluoromethane	1.867	101	133737	38.661	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	121994	68.391	ug/L	93
12) 1,1-Dichloroethene	2.306	96	108994	65.330	ug/L	89
13) Acetone	2.410	43	117204	140.454	ug/L	95
14) Carbon disulfide	2.502	76	263440	57.172	ug/L	99
15) Methyl Acetate	2.721	43	142893	62.133	ug/L #	91
16) Methylene chloride	2.788	84	119444	61.578	ug/L	92
17) trans-1,2-Dichloroethene	3.087	96	113946	64.139	ug/L	93
18) Methyl tert-butyl Ether	3.129	73	376214	65.187	ug/L	97
19) 1,1-Dichloroethane	3.611	63	211092	63.002	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	124302	62.693	ug/L	94
22) 2-Butanone	4.586	43	189613	122.038	ug/L #	67
23) Bromochloromethane	4.910	128	60078	60.738	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.105	83	213109	60.963	ug/L	99
27) 1,2-Dichloroethane	6.092	62	167973	58.253	ug/L	97
29) Cyclohexane	5.470	56	202267	66.638	ug/L	93
30) 1,1,1-Trichloroethane	5.385	97	185156	65.800	ug/L	95
31) Carbon tetrachloride	5.678	117	159434	65.375	ug/L	100
33) Benzene	6.037	78	462087	62.970	ug/L	100
34) Trichloroethene	7.129	95	122921	65.486	ug/L	94
35) Methylcyclohexane	7.379	83	196640	66.186	ug/L	95
37) 1,2-Dichloropropane	7.434	63	117391	63.024	ug/L	98
38) Bromodichloromethane	7.830	83	154074	63.118	ug/L	100
39) cis-1,3-Dichloropropene	8.372	75	178965	66.864	ug/L	98
40) 4-Methyl-2-pentanone	8.586	43	367206m	117.263	ug/L	
42) Toluene	8.720	91	491295	62.867	ug/L	97
44) trans-1,3-Dichloropropene	8.982	75	165631	65.209	ug/L	98
45) 1,1,2-Trichloroethane	9.159	97	112023	62.265	ug/L	98
46) Tetrachloroethene	9.275	164	102246	71.400	ug/L	98
48) 2-Hexanone	9.458	43	292786	122.928	ug/L	94
49) Dibromochloromethane	9.525	129	120160	64.669	ug/L	96
50) 1,2-Dibromoethane	9.616	107	118098	61.468	ug/L	99
51) Chlorobenzene	10.086	112	303463	61.691	ug/L	99
52) Ethylbenzene	10.195	91	532515	62.829	ug/L	96
53) m,p-Xylene	10.305	106	206517	63.830	ug/L	96
54) o-Xylene	10.646	106	199551	62.267	ug/L	89
55) Styrene	10.659	104	343165	63.430	ug/L	89
57) 1,1,2,2-Tetrachloroethane	11.219	83	176686	58.441	ug/L	97
59) Bromoform	10.811	173	81960	64.604	ug/L	98
60) Isopropylbenzene	10.963	105	528687	62.644	ug/L	97
61) 1,2,3-Trichloropropane	11.250	75	141837	57.788	ug/L	97
62) 1,3,5-Trimethylbenzene	11.457	105	445103	62.989	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	448288	63.326	ug/L #	81
64) 1,3-Dichlorobenzene	11.975	146	234744	62.338	ug/L	99
65) 1,4-Dichlorobenzene	12.049	146	236279	62.322	ug/L	99
67) 1,2-Dichlorobenzene	12.341	146	232945	62.566	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	38330	59.275	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.115	180	162918	64.447	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	149824	66.552	ug/L	98
71) Naphthalene	13.780	128	554534	65.159	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	151853	65.317	ug/L	99

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