

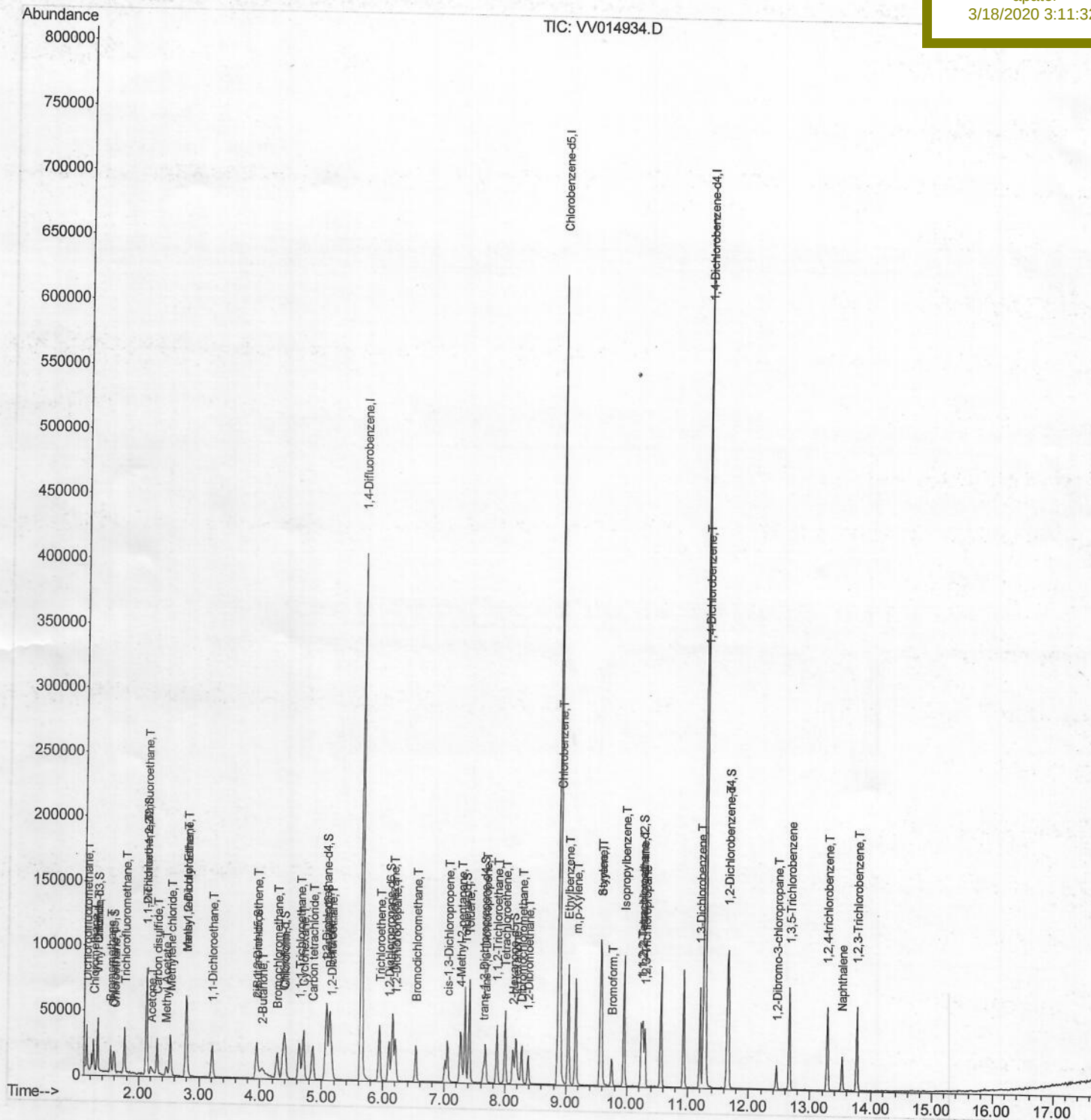
Quantitation Report (QT Reviewed)

ALS Vial : 2 Sample Multiplier: 1

VSTD00563

Response via : Initial Calibration

3/18/2020 3:11:32 PM



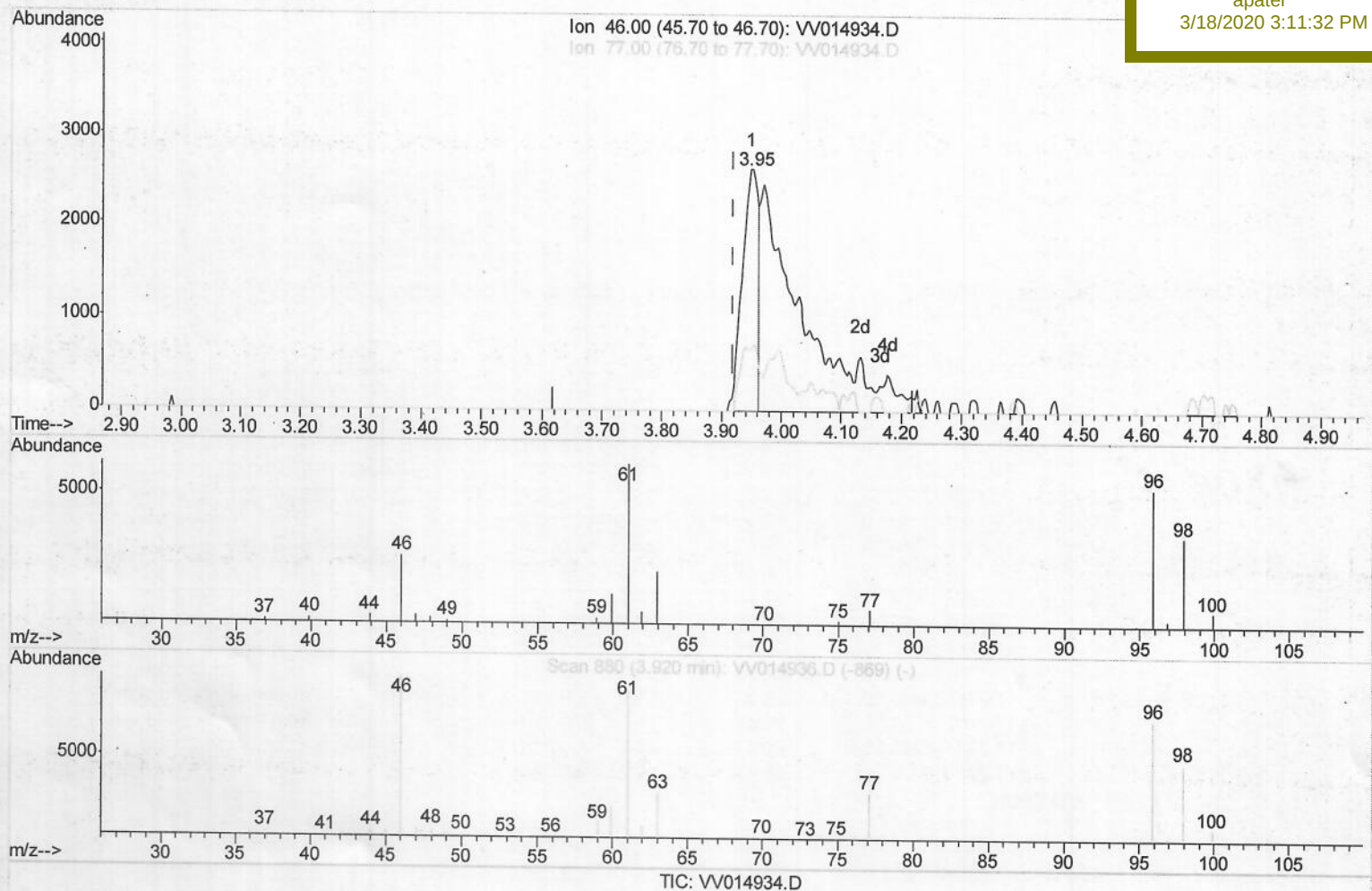
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\
Data File : VV014934.D
Acq On : 16 Mar 2020 09:41
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 16 17:35:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 16 17:11:04 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampled :
VSTD00563

Manual Integrations
APPROVED

apatel
3/18/2020 3:11:32 PM



(21) 2-Butanone-d5 (S)

3.949min (+0.029) 2.77ug/L

response 4848

Ion	Exp%	Act%
46.00	100	100
77.00	20.50	16.46
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\

Data File : VV014934.D

Acq On : 16 Mar 2020 09:41

Operator : SY/MD

Sample : VSTD00563

Misc : 5.0mL/MSVOA_V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 16 17:35:56 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 16 17:11:04 2020

Response via : Initial Calibration

Instrument :

MSVOA_V

Client Sample ID :

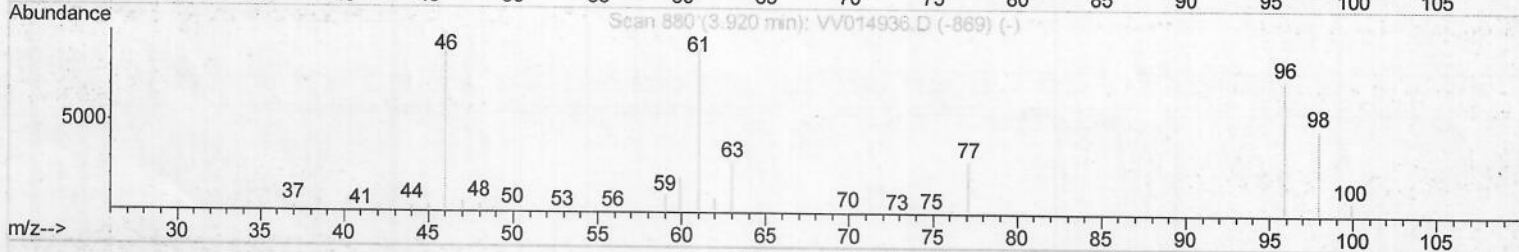
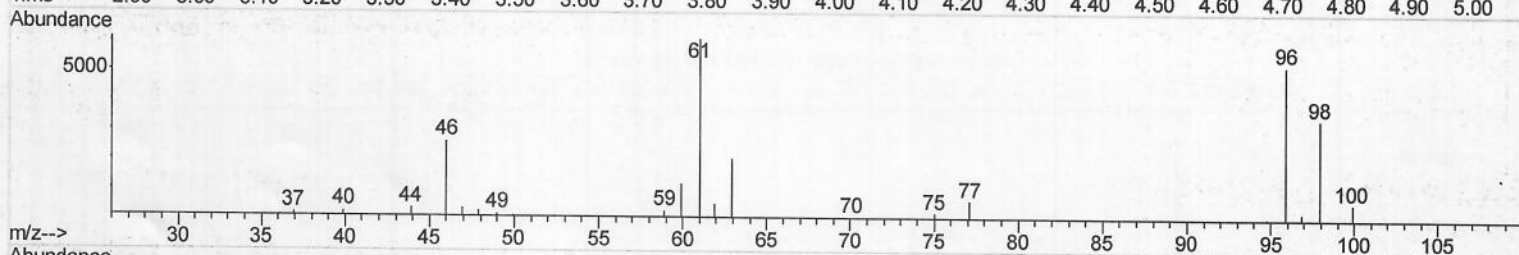
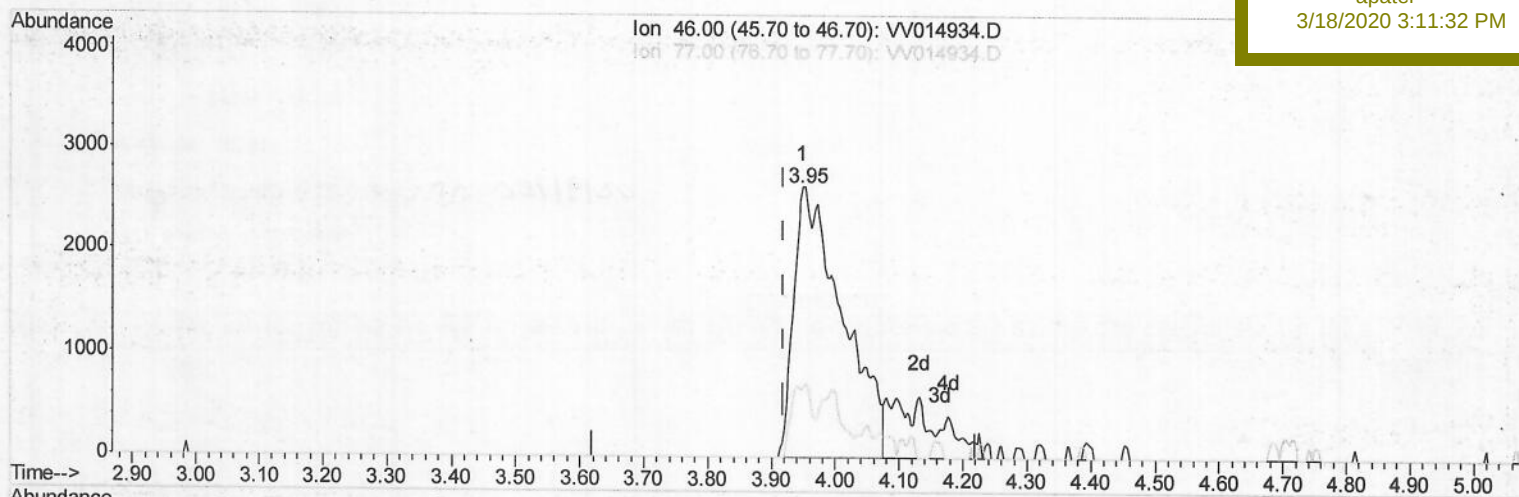
VSTD00563

Manual Integrations

APPROVED

apatel

3/18/2020 3:11:32 PM



TIC: VV014934.D

(21) 2-Butanone-d5 (S)

3.949min (+0.029) 7.91ug/L m

response 13864

Ion	Exp%	Act%
46.00	100	100
77.00	20.50	5.76#
0.00	0.00	0.00
0.00	0.00	0.00

M.O
03/20/20

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\

Data File : VV014934.D

Acq On : 16 Mar 2020 09:41

Operator : SY/MD

Sample : VSTD00563

Misc : 5.0mL/MSVOA_V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 16 17:35:56 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 16 17:11:04 2020

Response via : Initial Calibration

Instrument :

MSVOA_V

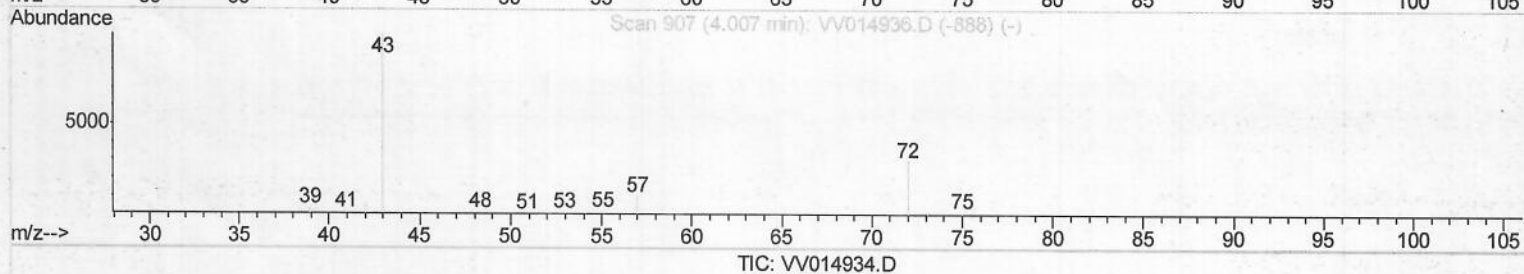
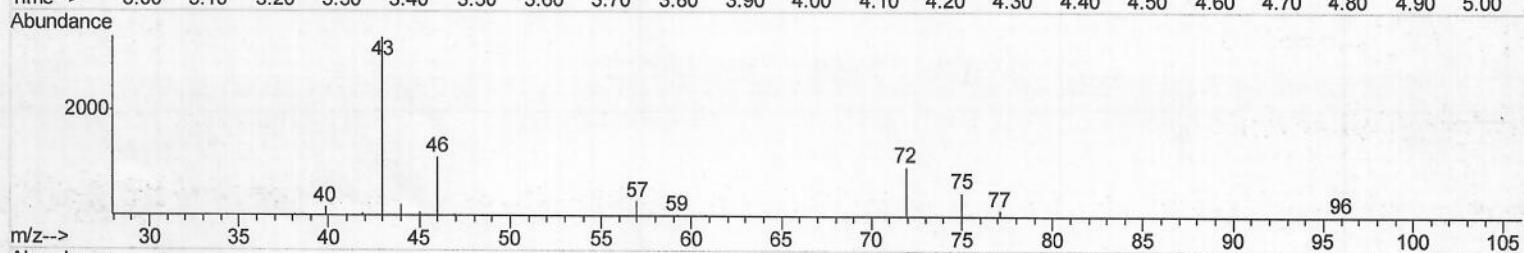
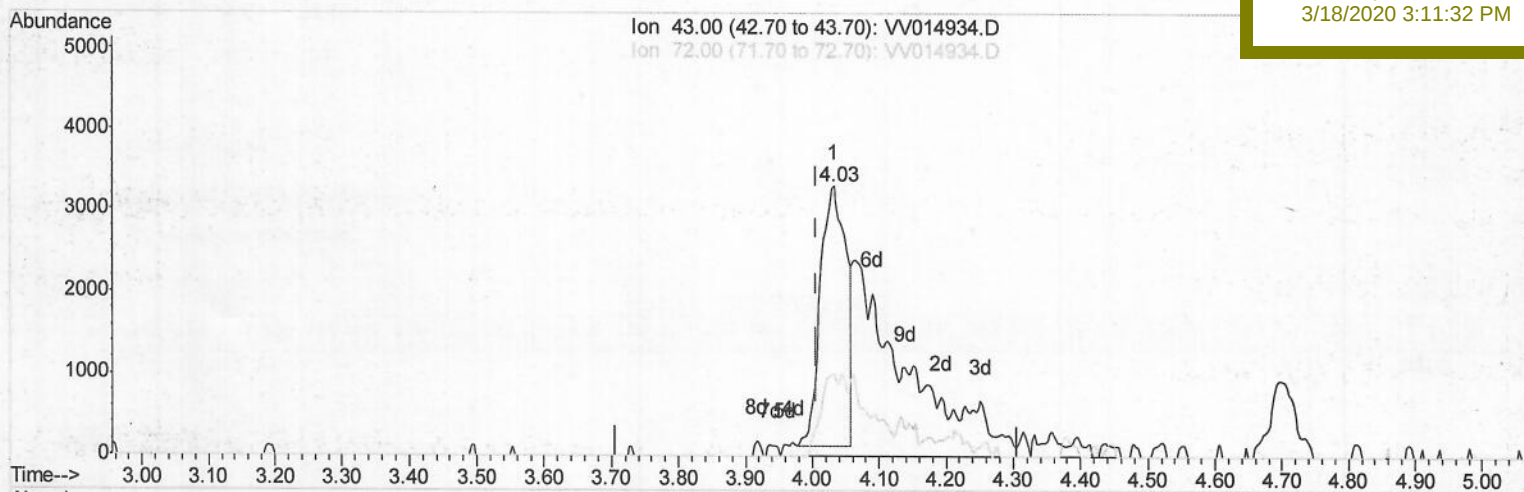
ClientSampled :

VSTD00563

Manual Integrations
APPROVED

apatel

3/18/2020 3:11:32 PM



(22) 2-Butanone (T)

4.032min (+0.026) 4.40ug/L

response 8672

Ion	Exp%	Act%
43.00	100	100
72.00	21.70	20.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\

Data File : VV014934.D

Acq On : 16 Mar 2020 09:41

Operator : SY/MD

Sample : VSTD00563

Misc : 5.0mL/MSVOA_V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 16 17:35:56 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 16 17:11:04 2020

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampled :

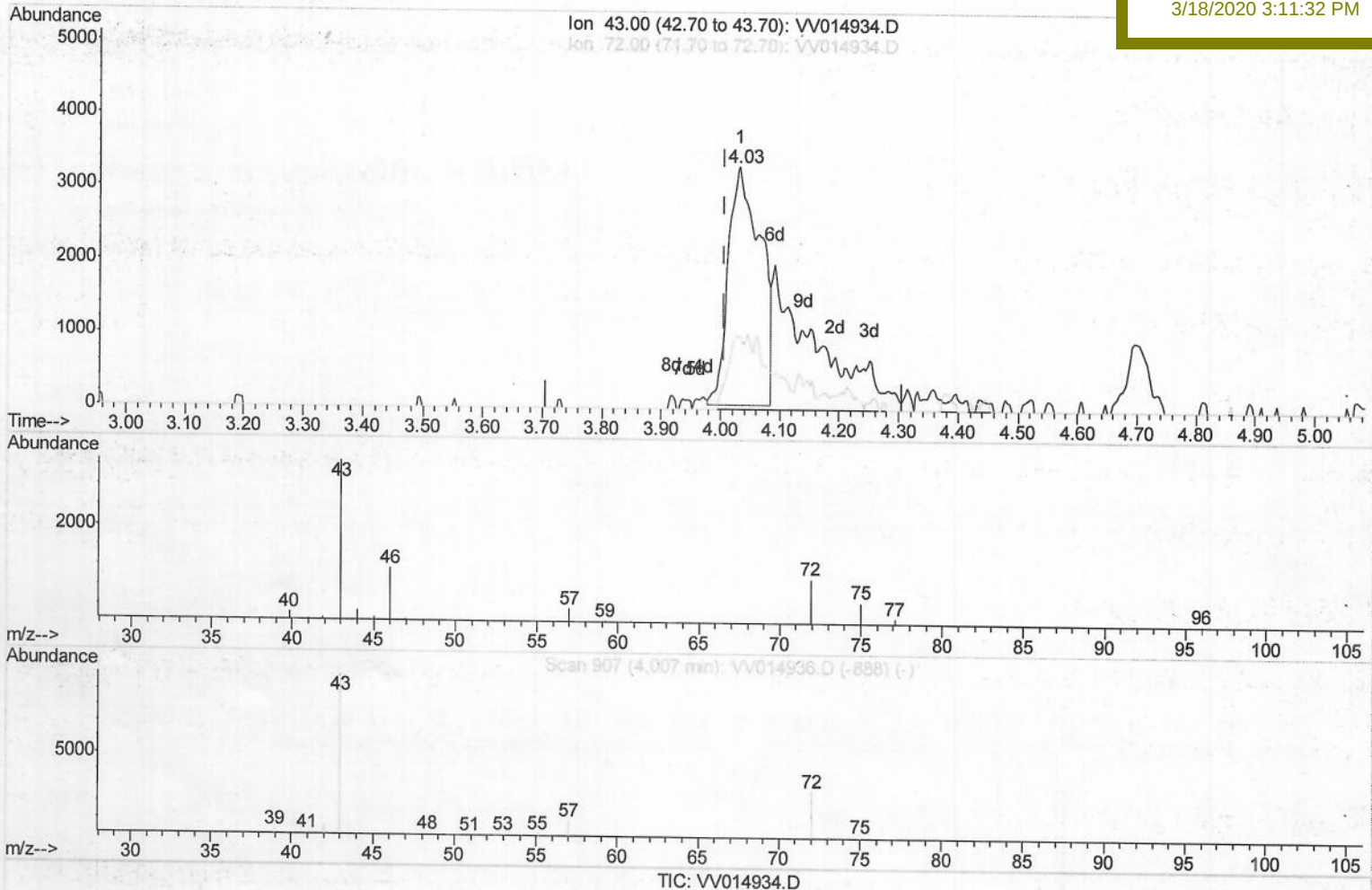
VSTD00563

Manual Integrations

APPROVED

apatel

3/18/2020 3:11:32 PM



(22) 2-Butanone (T)

4.032min (+0.026) 6.17ug/L m

response 12148

Ion	Exp%	Act%
43.00	100	100
72.00	21.70	14.91
0.00	0.00	0.00
0.00	0.00	0.00

M.0
03/20/20

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031620\
Quantitation Report (Qedit)

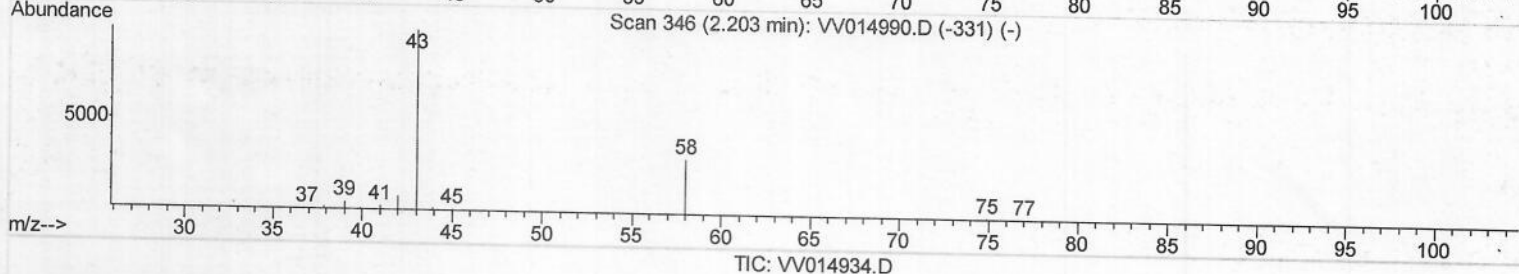
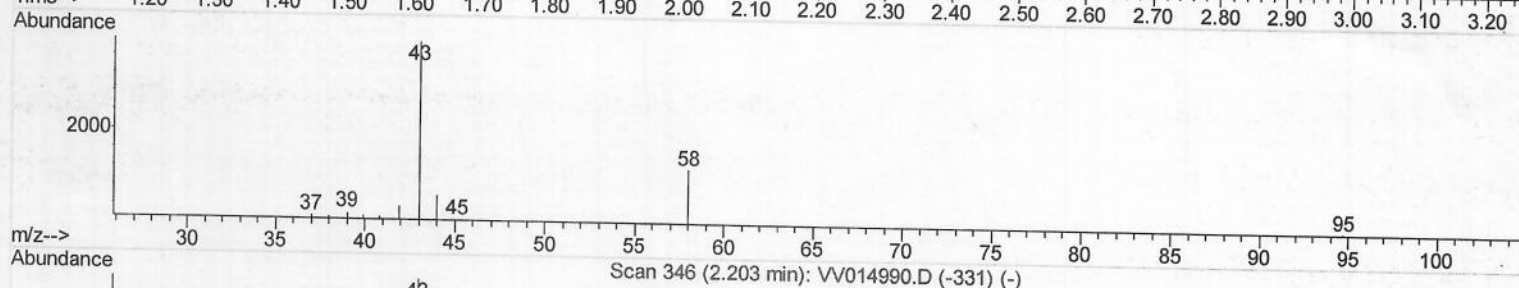
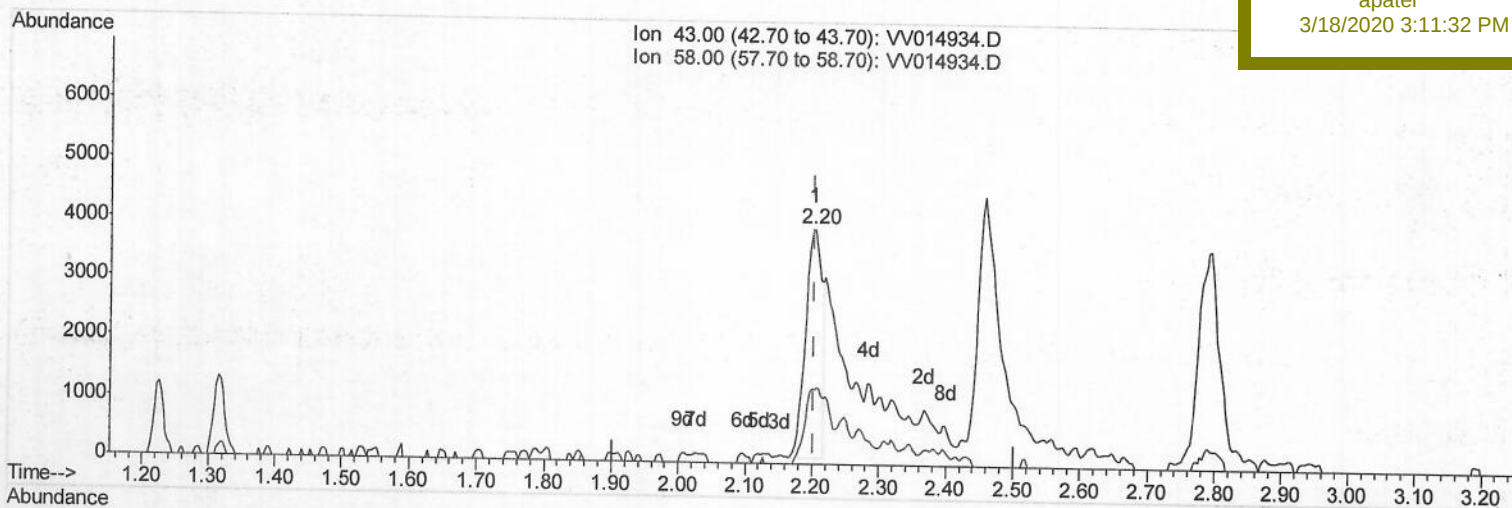
Data File : VV014934.D
Acq On : 16 Mar 2020 09:41
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 20 06:47:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 14:50:16 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Manual Integrations
APPROVED

apatel
3/18/2020 3:11:32 PM



(13) Acetone (T)

2.203min (-0.000) 4.39ug/L

response 6476

Ion	Exp%	Act%
43.00	100	100
58.00	25.80	34.88
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031620\
Quantitation Report (Qedit)

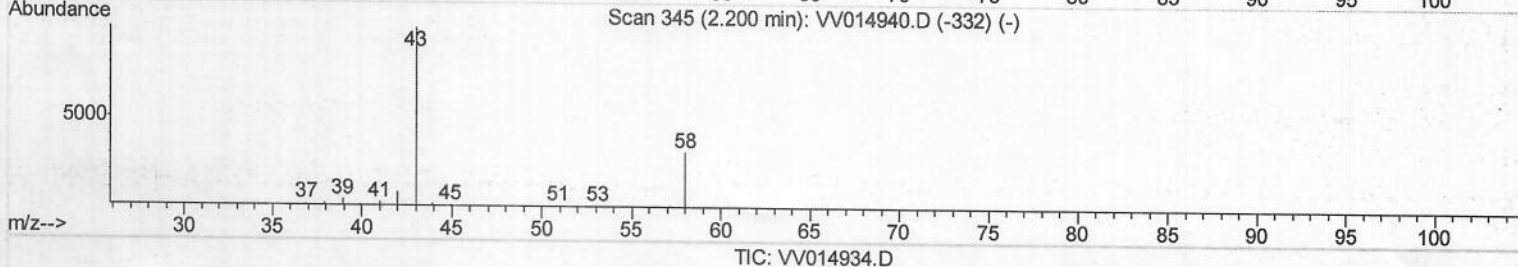
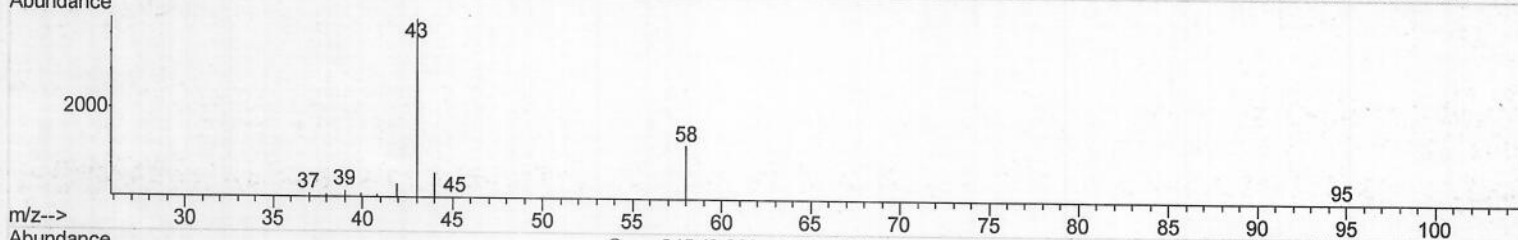
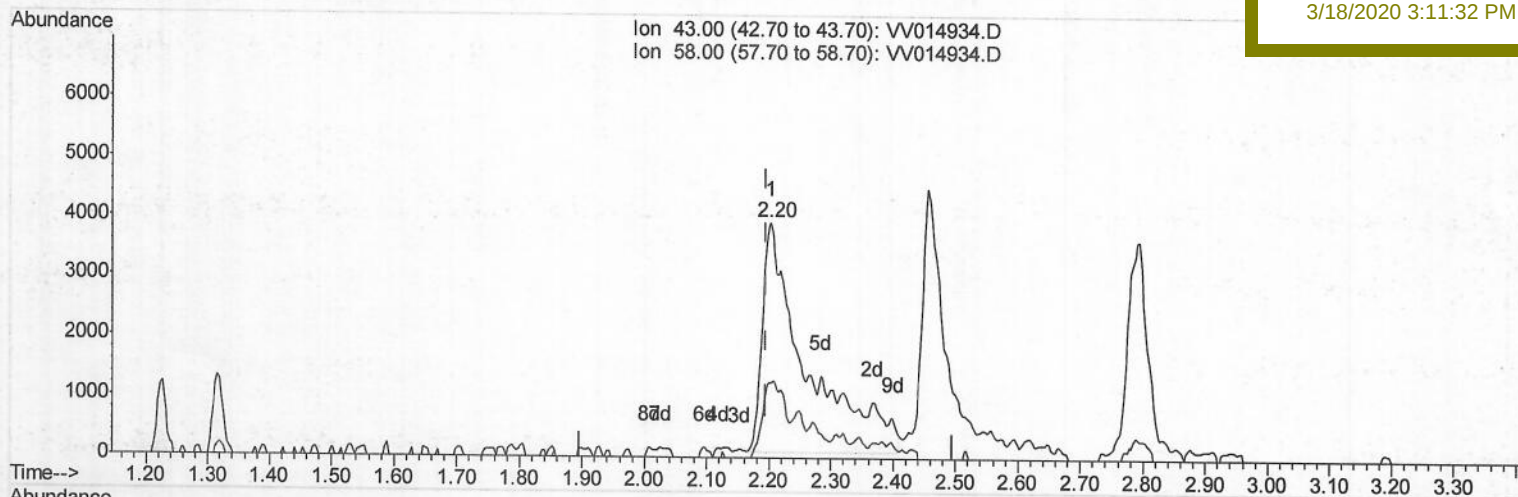
Data File : VV014934.D
Acq On : 16 Mar 2020 09:41
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 16 17:42:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 16 17:11:04 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Manual Integrations
APPROVED

apatel
3/18/2020 3:11:32 PM



TIC: VV014934.D

(13) Acetone (T)

2.203min (+0.006) 13.16ug/L m

response 19025

Ion	Exp%	Act%
43.00	100	100
58.00	25.80	11.87
0.00	0.00	0.00
0.00	0.00	0.00

M.O
03/20/20

Data File : VV014934.D
Acq On : 16 Mar 2020 09:41
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 18 01:43:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 16 17:11:04 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
Client Sampled :
VSTD00563

Manual Integrations
APPROVED

apatel
3/18/2020 3:11:32 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367192	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	350859	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	185279	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Vinyl Chloride-d3	1.32	65	12362	4.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	9399	4.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	19934	4.91	ug/L	0.00
21) 2-Butanone-d5	3.95	46	13864m	7.91	ug/L	0.03
24) Chloroform-d	4.38	84	25756	5.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	16258	5.08	ug/L	0.00
32) Benzene-d6	5.08	84	50298	5.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	15611	5.16	ug/L	0.00
41) Toluene-d8	7.34	98	48850	5.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	7472	4.94	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	11429	8.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21137	5.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	21431	5.72	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	19694	5.481	ug/L	98
3) Chloromethane	1.25	50	14117	4.615	ug/L	97
5) Vinyl chloride	1.32	62	13549	4.736	ug/L	95
6) Bromomethane	1.53	94	8191	4.595	ug/L	97
8) Chloroethane	1.60	64	7383	4.822	ug/L	96
9) Trichlorofluoromethane	1.76	101	20866	5.276	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10927	5.403	ug/L	95
12) 1,1-Dichloroethene	2.13	96	9588	4.922	ug/L	87
13) Acetone	2.20	43	19025m	13.159	ug/L	
14) Carbon disulfide	2.31	76	29852	4.638	ug/L	99
15) Methyl Acetate	2.46	43	8474	3.130	ug/L #	88
16) Methylene chloride	2.53	84	14162	5.225	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	13292	5.387	ug/L	91
18) Methyl tert-butyl Ether	2.79	73	40943	5.090	ug/L	97
19) 1,1-Dichloroethane	3.21	63	23502	4.961	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	14905	5.380	ug/L	100
22) 2-Butanone	4.03	43	12148m	6.169	ug/L	
23) Bromochloromethane	4.28	128	7990	5.607	ug/L	92
25) Chloroform	4.41	83	25954	5.248	ug/L	98
27) 1,2-Dichloroethane	5.16	62	19141	4.975	ug/L #	91
29) Cyclohexane	4.70	56	20230	4.886	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	23258	5.657	ug/L	99
31) Carbon tetrachloride	4.86	117	20043	5.683	ug/L	99
33) Benzene	5.13	78	53659	5.326	ug/L	100
34) Trichloroethene	5.94	95	14562	5.512	ug/L	91
35) Methylcyclohexane	6.15	83	23035	5.292	ug/L	98
37) 1,2-Dichloropropane	6.20	63	13452	5.054	ug/L #	91
38) Bromodichloromethane	6.53	83	17824	5.111	ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	18718	4.372	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	31964	8.315	ug/L	98

M.O
03/20/20

M.O
03/20/20

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031620\

Quantitation Report (QT Reviewed)

Data File : VV014934.D

Acq On : 16 Mar 2020 09:41

Operator : SY/MD

Sample : VSTD00563

Misc : 5.0mL/MSVOA_V/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_V

Client Sample ID :

VSTD00563

Quant Time: Mar 18 01:43:34 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 16 17:11:04 2020

Response via : Initial Calibration

Manual Integrations
APPROVED

apatel

3/18/2020 3:11:32 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	58538	5.243	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	16923	4.391	ug/L	90
45) 1,1,2-Trichloroethane	7.86	97	13539	5.338	ug/L	92
46) Tetrachloroethene	8.00	164	13337	5.984	ug/L	97
48) 2-Hexanone	8.17	43	24759	8.198	ug/L	96
49) Dibromochloromethane	8.27	129	14369	5.182	ug/L	100
50) 1,2-Dibromoethane	8.38	107	14737	5.380	ug/L	96
51) Chlorobenzene	8.90	112	40500	5.573	ug/L	100
52) Ethylbenzene	9.03	91	64828	5.143	ug/L	98
53) m,p-Xylene	9.16	106	24374	5.118	ug/L	99
54) o-xylene	9.56	106	24250	5.185	ug/L	99
55) Styrene	9.58	104	38852	4.861	ug/L	96
56) Isopropylbenzene	9.95	105	64030	5.104	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	22053	5.094	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	17488	5.038	ug/L	96
61) Bromoform	9.75	173	9886	4.888	ug/L #	93
62) 1,3-Dichlorobenzene	11.20	146	33190	5.508	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	33483	5.543	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	33804	5.611	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	4140	4.154	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.67	180	24179	5.143	ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	21324	4.985	ug/L	95
69) Naphthalene	13.53	128	21457	3.410	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	20101	4.692	ug/L	99

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