

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (QT Reviewed)

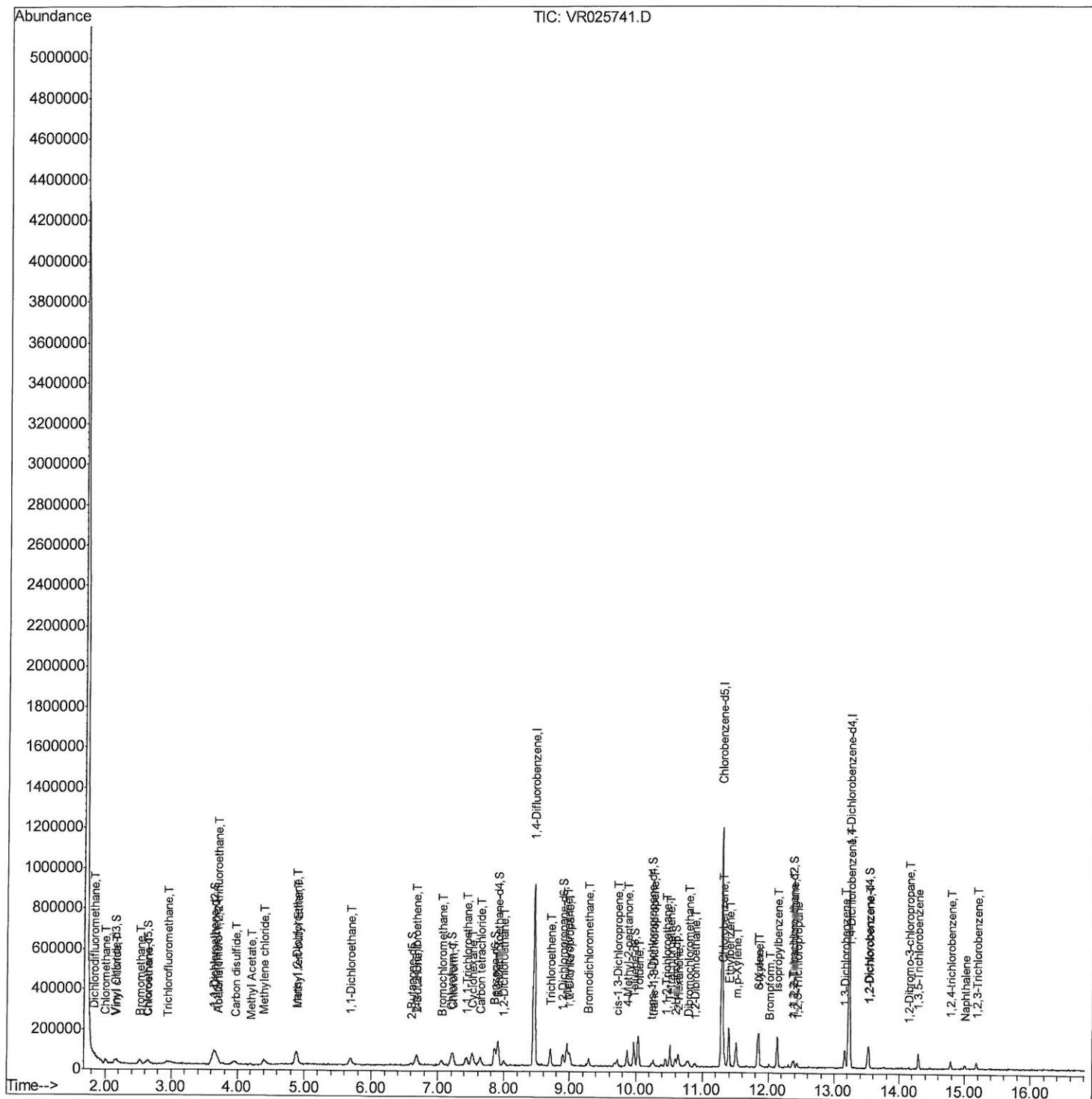
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:45:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (Qedit)

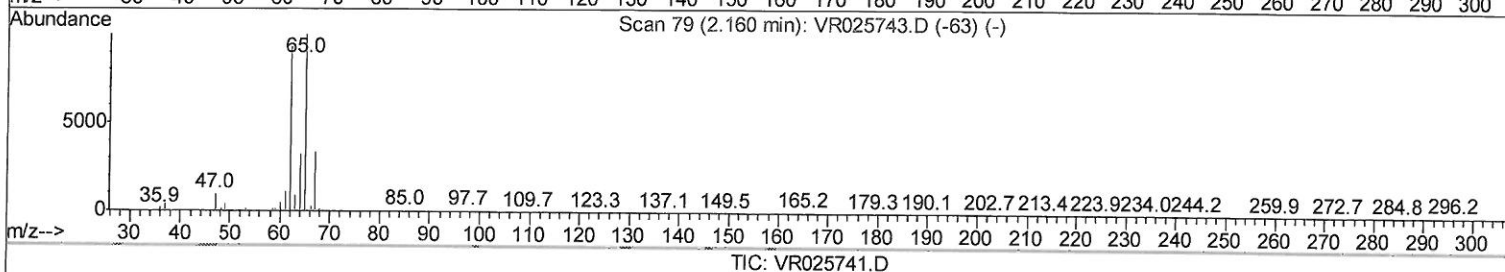
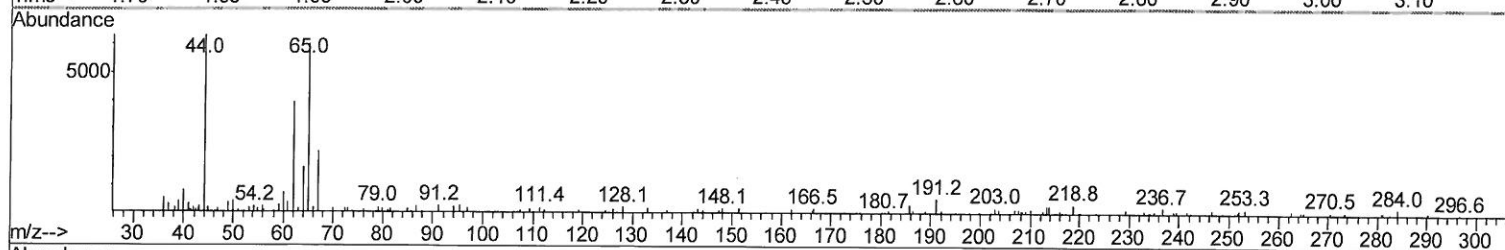
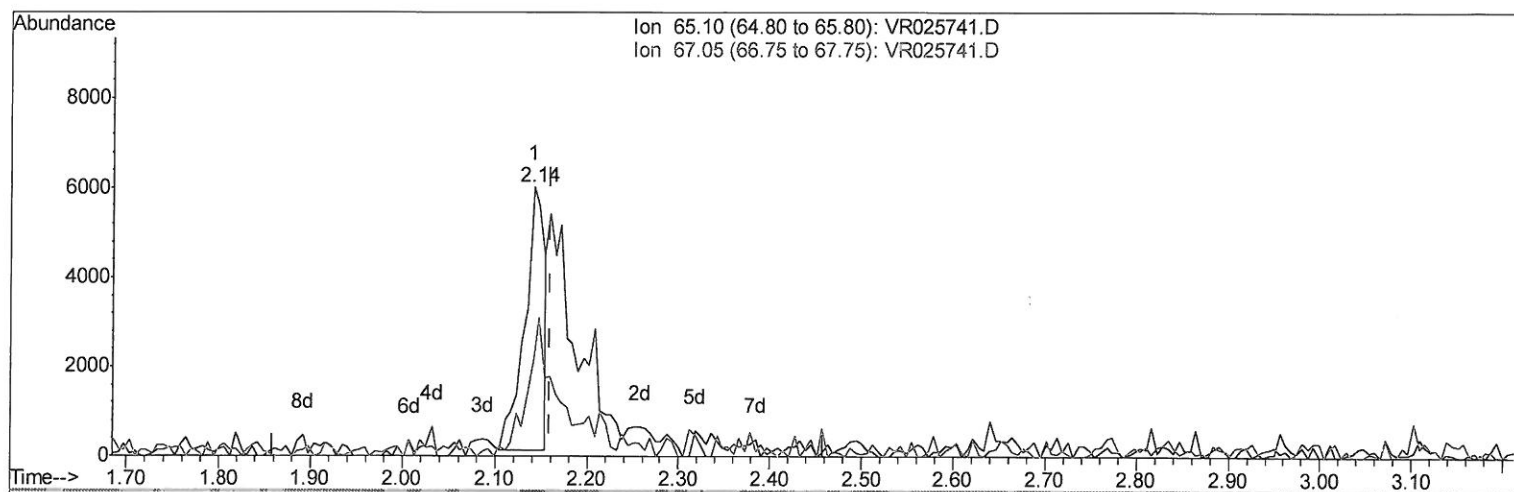
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:42:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



(4) Vinyl Chloride-d3 (S)

2.141min (-0.018) 0.28ug/L

response 8782

Ion	Exp%	Act%
65.10	100	100
67.05	31.90	73.10#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (Qedit)

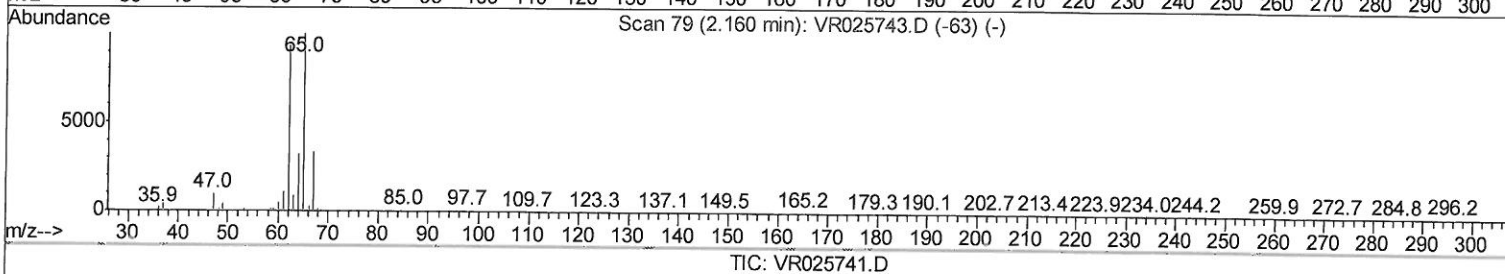
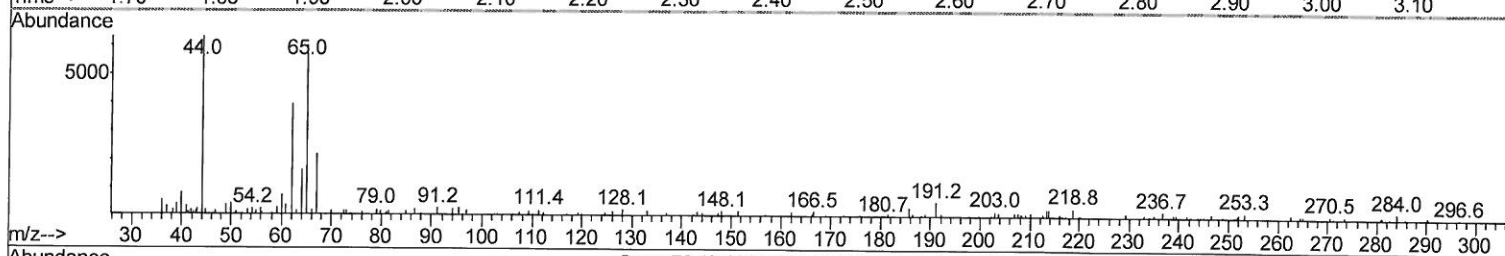
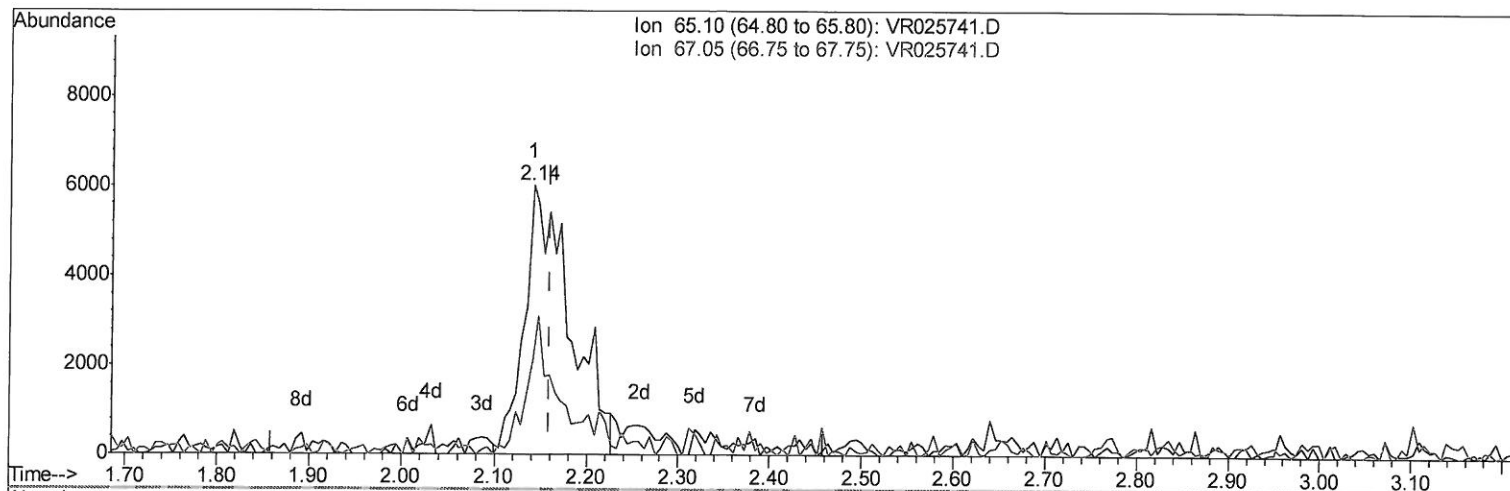
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:42:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



(4) Vinyl Chloride-d3 (S)

2.141min (-0.018) 0.68ug/L m

response 20911

Ion	Exp%	Act%
65.10	100	100
67.05	31.90	30.70
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (Qedit)

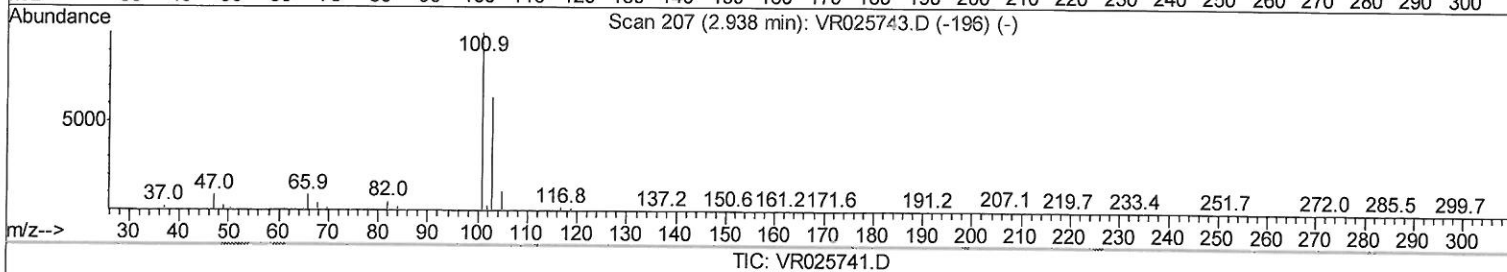
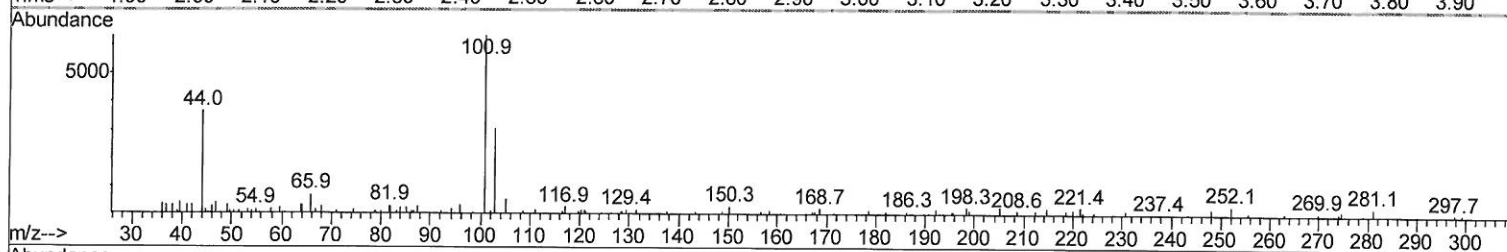
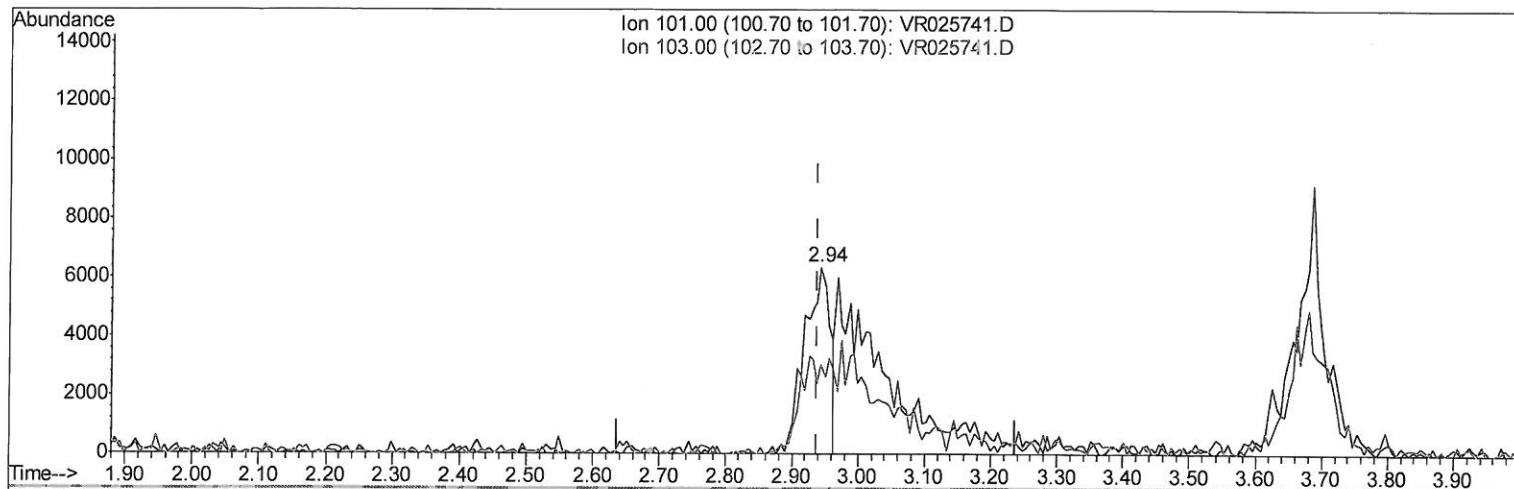
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:42:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



(9) Trichlorofluoromethane (T)

2.944min (+0.006) 0.21ug/L

response 17296

Ion	Exp%	Act%
101.00	100	100
103.00	16.90	36.22#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (Qedit)

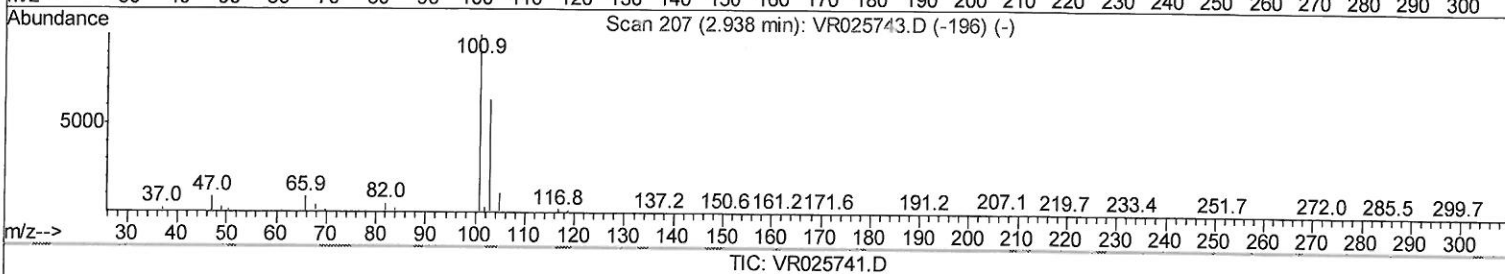
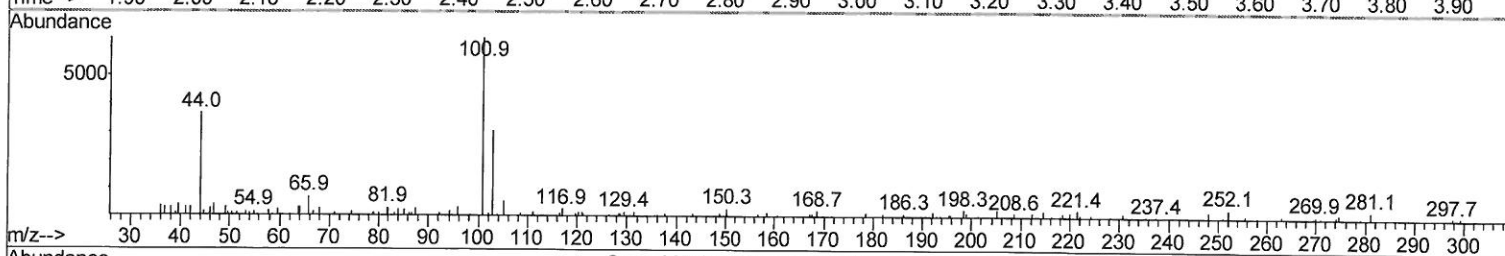
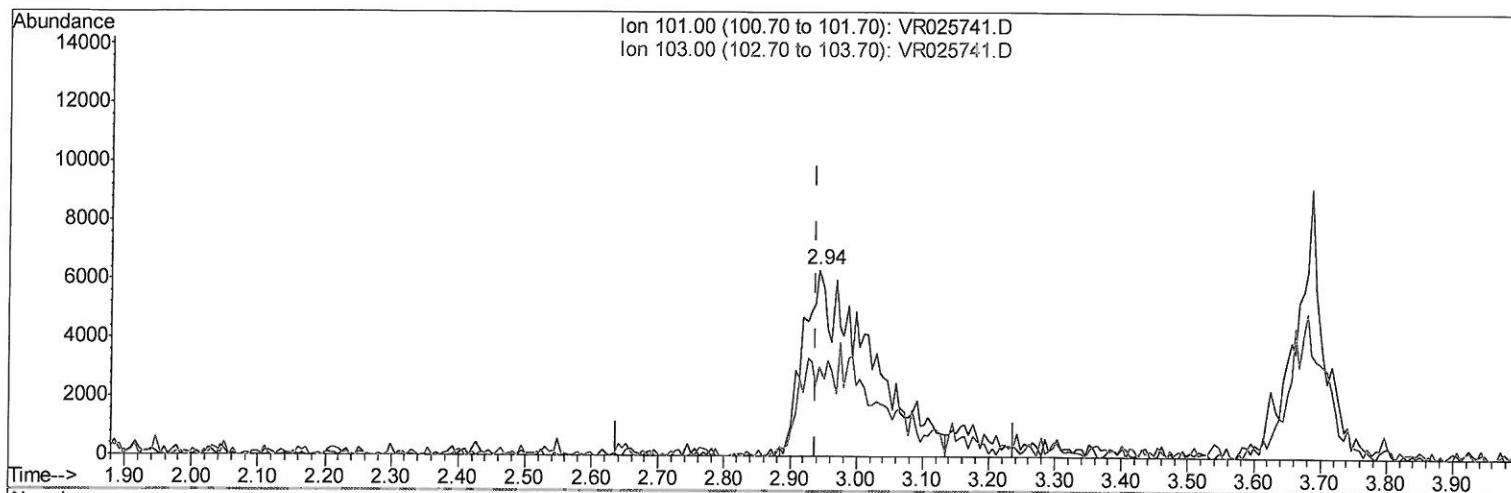
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:42:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



(9) Trichlorofluoromethane (T)

2.944min (+0.006) 0.54ug/L m

209/18/18 sy

response 43830

Ion	Exp%	Act%
101.00	100	100
103.00	16.90	14.29
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (Qedit)

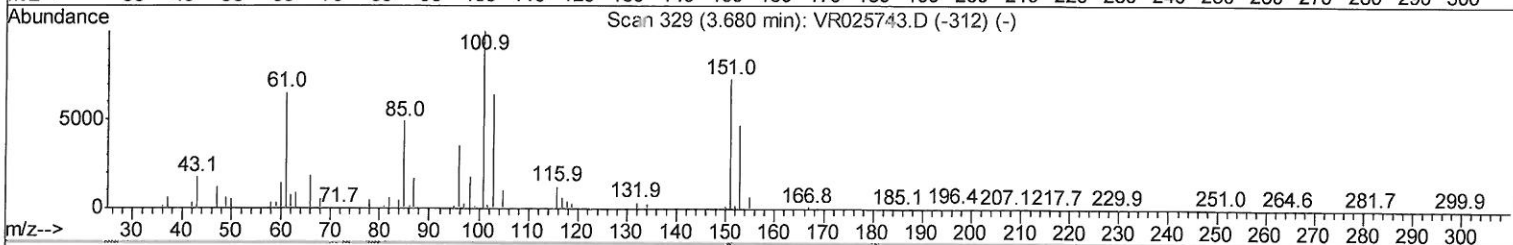
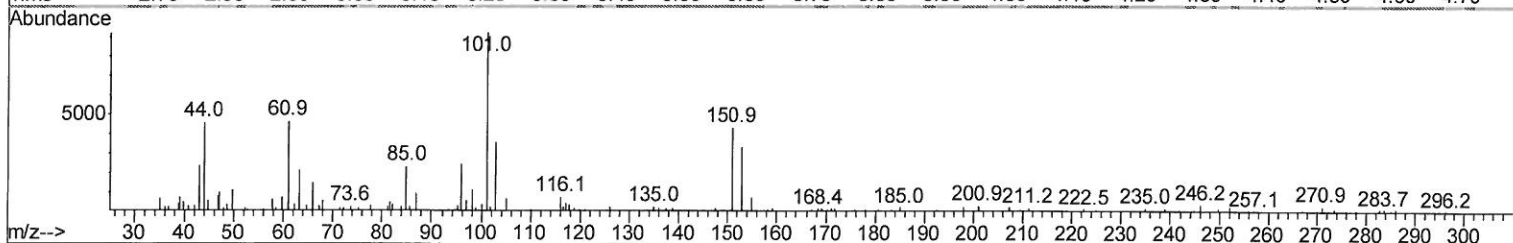
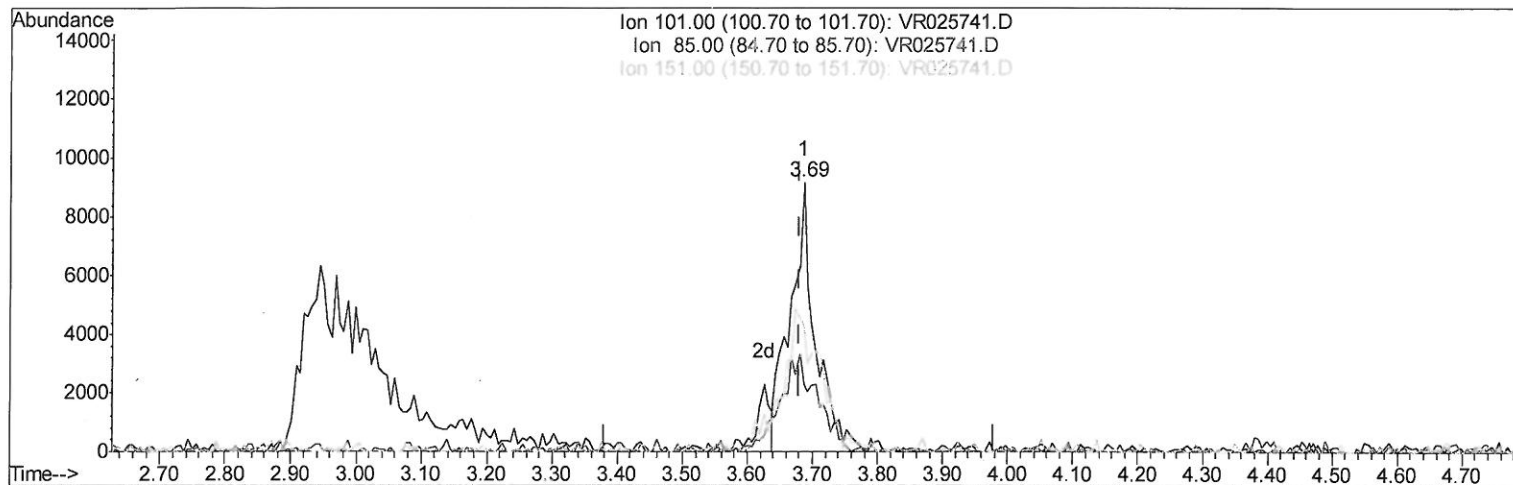
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:42:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



TIC: VR025741.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.686min (+0.006) 0.56ug/L

response 24710

Ion	Exp%	Act%
101.00	100	100
85.00	47.20	53.58
151.00	75.10	54.88#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (Qedit)

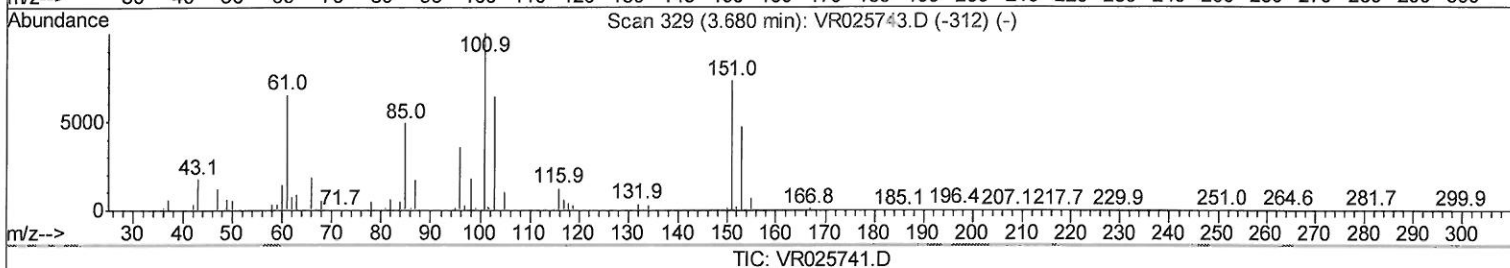
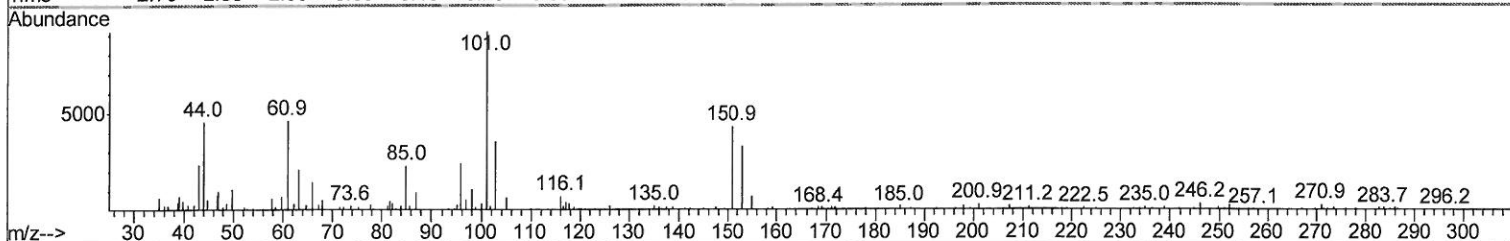
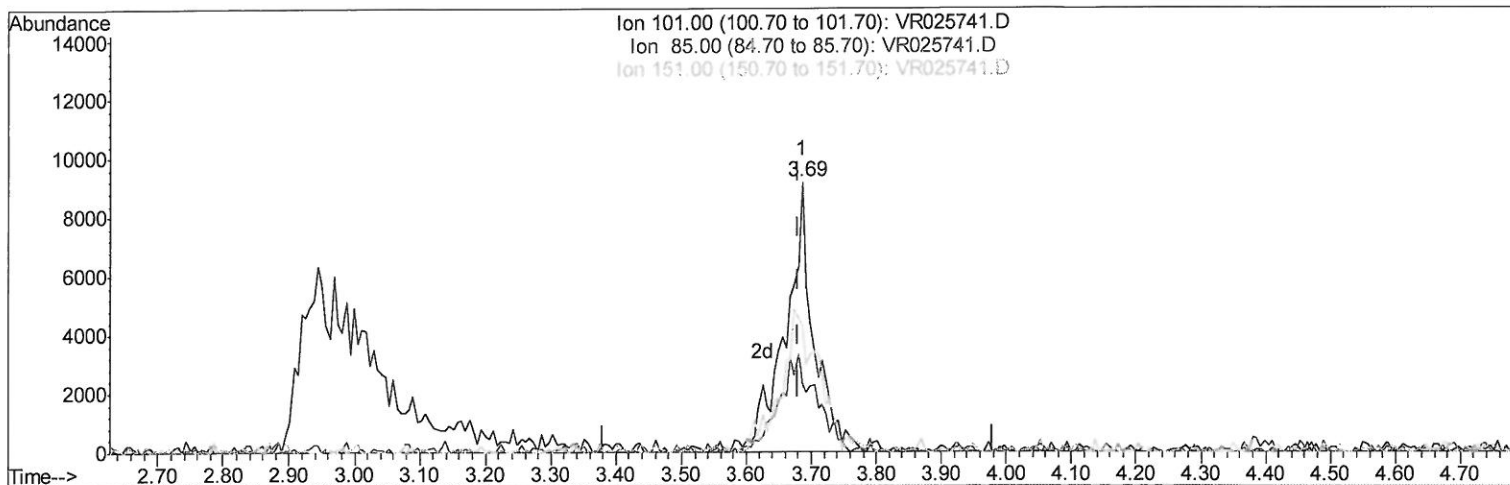
Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:42:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration



(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.686min (+0.006) 0.63ug/L m > 9/18/18 SY

response 27658

Ion	Exp%	Act%
101.00	100	100
85.00	47.20	47.87
151.00	75.10	49.03#
0.00	0.00	0.00

Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
Client Sampled :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:45:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	709206	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	587111	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	206309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	20911m	0.68	ug/L	-0.02
7) Chloroethane-d5	2.63	69	19337	0.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	54539	0.65	ug/L	0.00
20) 2-Butanone-d5	6.61	46	14676	4.71	ug/L	0.01
24) Chloroform-d	7.20	84	48249	0.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	16386	0.69	ug/L	0.00
32) Benzene-d6	7.85	84	93934	0.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	25179	0.59	ug/L	0.00
41) Toluene-d8	9.97	98	76668	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	5902	0.56	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	9115	2.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	13289	0.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	17132	0.59	ug/L	0.00

09/18/18 Sy

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.84	85	20960	0.580	ug/L #	67
3) Chloromethane	2.00	50	26852	0.605	ug/L	100
5) Vinyl chloride	2.16	62	25601	0.580	ug/L	95
6) Bromomethane	2.53	94	18276	0.579	ug/L	98
8) Chloroethane	2.66	64	16892	0.652	ug/L	94
9) Trichlorofluoromethane	2.94	101	43830m	0.539	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	27658m	0.631	ug/L	
12) 1,1-Dichloroethene	3.66	96	25284	0.546	ug/L	74
13) Acetone	3.70	43	9353	4.459	ug/L	99
14) Carbon disulfide	3.96	76	53517	0.490	ug/L	97
15) Methyl Acetate	4.19	43	6048	0.809	ug/L #	54
16) Methylene chloride	4.40	84	26780	0.654	ug/L	97
17) Methyl tert-butyl Ether	4.90	73	29348	0.516	ug/L #	89
18) trans-1,2-Dichloroethene	4.88	96	28945	0.512	ug/L	92
19) 1,1-Dichloroethane	5.68	63	46840	0.537	ug/L	92
21) 2-Butanone	6.69	43	17332	3.915	ug/L #	70
22) cis-1,2-Dichloroethene	6.67	96	22548	0.458	ug/L #	95
23) Bromochloromethane	7.06	128	9436	0.559	ug/L #	79
25) Chloroform	7.23	83	43870	0.551	ug/L	79
27) 1,2-Dichloroethane	7.99	62	18656	0.593	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	30479	0.521	ug/L	93
30) Cyclohexane	7.52	56	27719	0.394	ug/L	94
31) Carbon tetrachloride	7.65	117	31528	0.556	ug/L	97
33) Benzene	7.91	78	108939	0.521	ug/L	100
34) Trichloroethene	8.71	95	26898	0.531	ug/L	95
35) Methylcyclohexane	8.96	83	34645	0.443	ug/L	94
37) 1,2-Dichloropropane	9.00	63	25102	0.532	ug/L #	93
38) Bromodichloromethane	9.28	83	21438	0.506	ug/L #	94
39) cis-1,3-Dichloropropene	9.72	75	18191	0.377	ug/L #	77
40) 4-Methyl-2-pentanone	9.87	43	46419	3.982	ug/L	99

09/18/18 Sy

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR091718\
Quantitation Report (QT Reviewed)

Data File : VR025741.D
Acq On : 17 Sep 2018 12:37
Operator : SY/MD
Sample : VSTD0.505
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.505

Manual Integrations
APPROVED

MMDadoda
9/18/2018 7:00:12 PM

Quant Time: Sep 17 14:45:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	101876	0.476	ug/L	93
44) trans-1,3-Dichloropropene	10.26	75	13838	0.408	ug/L	89
45) 1,1,2-Trichloroethane	10.45	97	10818	0.490	ug/L	90
47) Tetrachloroethene	10.51	164	20663	0.498	ug/L	87
48) 2-Hexanone	10.63	43	35809	4.380	ug/L #	95
49) Dibromochloromethane	10.79	129	10517	0.447	ug/L	97
50) 1,2-Dibromoethane	10.89	107	9386	0.535	ug/L #	91
51) Chlorobenzene	11.32	112	71567	0.532	ug/L	91
52) Ethylbenzene	11.39	91	113151	0.490	ug/L	92
53) m,p-Xylene	11.51	106	41771	0.450	ug/L	93
54) o-Xylene	11.83	106	29868	0.365	ug/L	94
55) Styrene	11.84	104	49236	0.374	ug/L #	79
56) Isopropylbenzene	12.13	105	85116	0.418	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	11156	0.519	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	7524	0.520	ug/L #	66
61) Bromoform	12.01	173	4890	0.554	ug/L #	85
62) 1,3-Dichlorobenzene	13.16	146	33676	0.523	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	44664	0.609	ug/L	91
65) 1,2-Dichlorobenzene	13.54	146	31812	0.572	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	14.16	75	734	0.449	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.29	180	21002	0.548	ug/L	94
68) 1,2,4-trichlorobenzene	14.79	180	10892	0.463	ug/L #	89
69) Naphthalene	15.00	128	10426	0.397	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.18	180	8765	0.471	ug/L #	93

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