

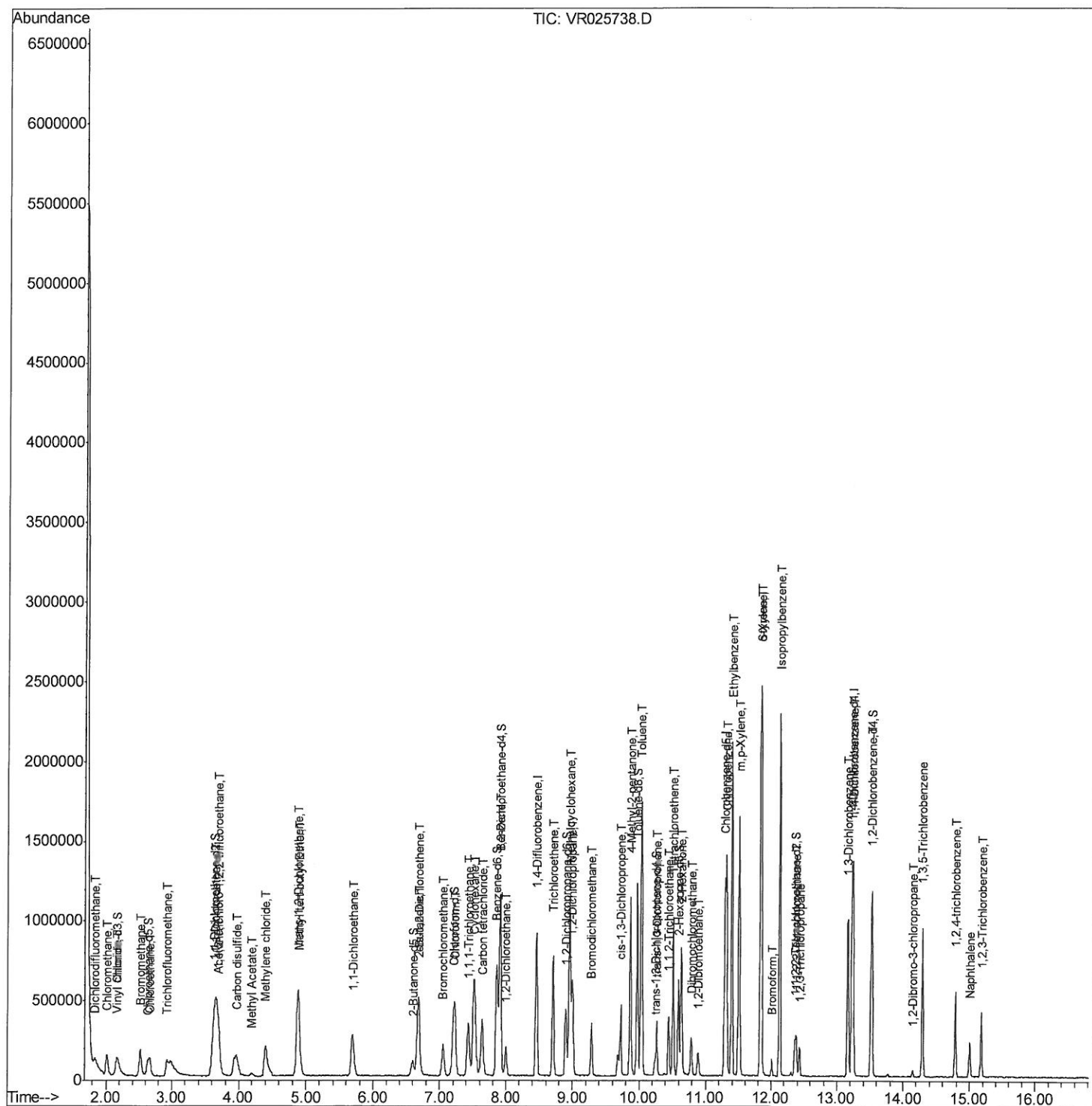
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091418\
Data File : VR025738.D
Acq On : 14 Sep 2018 19:46
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA R/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00504

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:11:26 PM

Quant Time: Sep 15 04:30:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 15 03:08:36 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

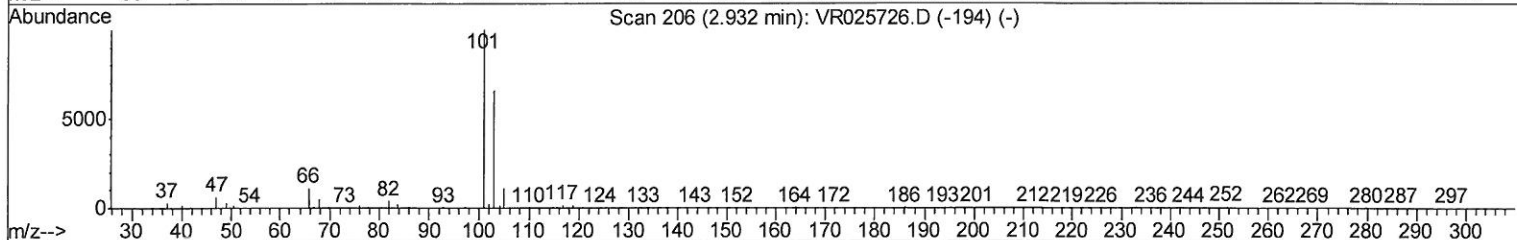
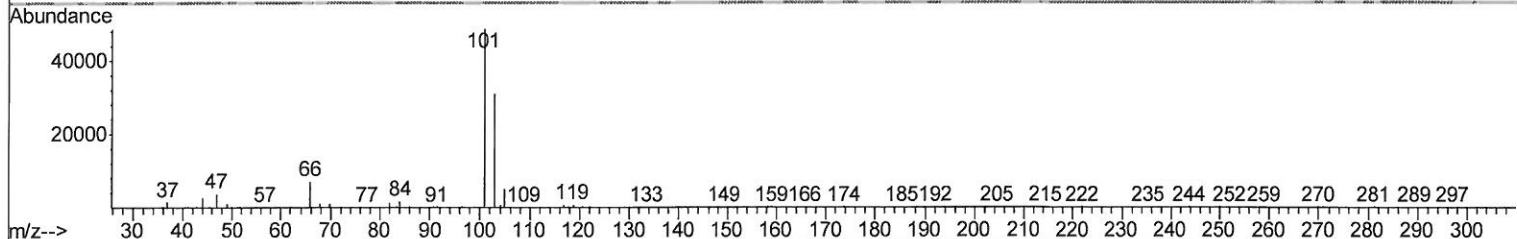
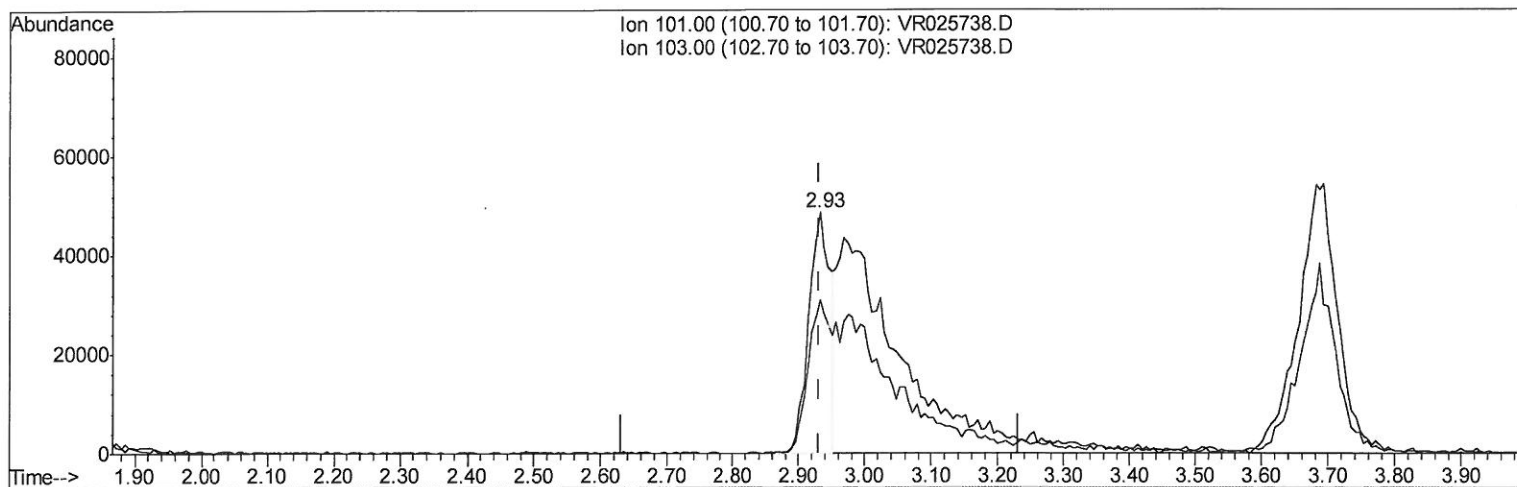
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091418\
 Data File : VR025738.D
 Acq On : 14 Sep 2018 19:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:11:26 PM

Quant Time: Sep 15 04:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 03:08:36 2018
 Response via : Initial Calibration



TIC: VR025738.D

(9) Trichlorofluoromethane (T)

2.932min (-0.000) 1.33ug/L

response 108855

Ion	Exp%	Act%
101.00	100	100
103.00	16.50	67.27#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

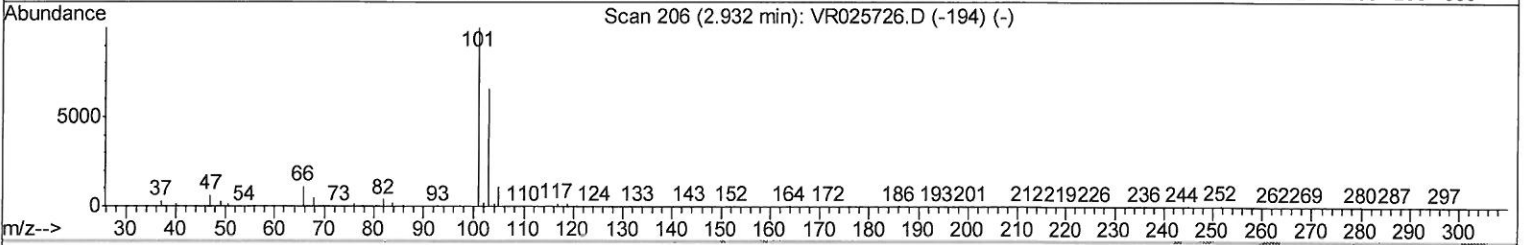
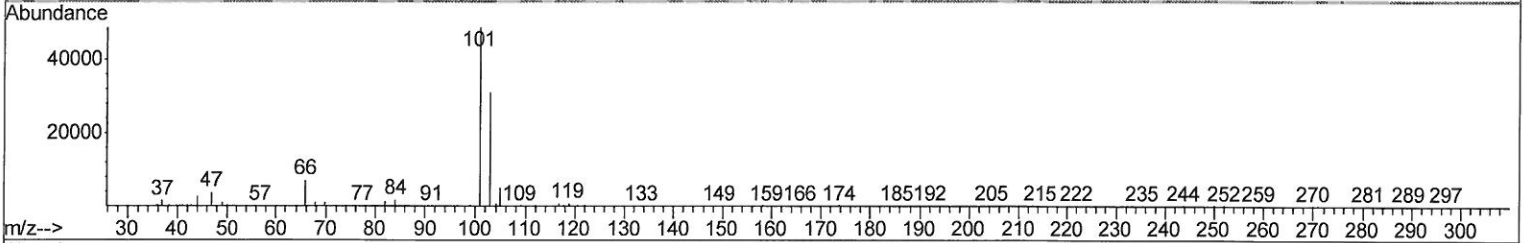
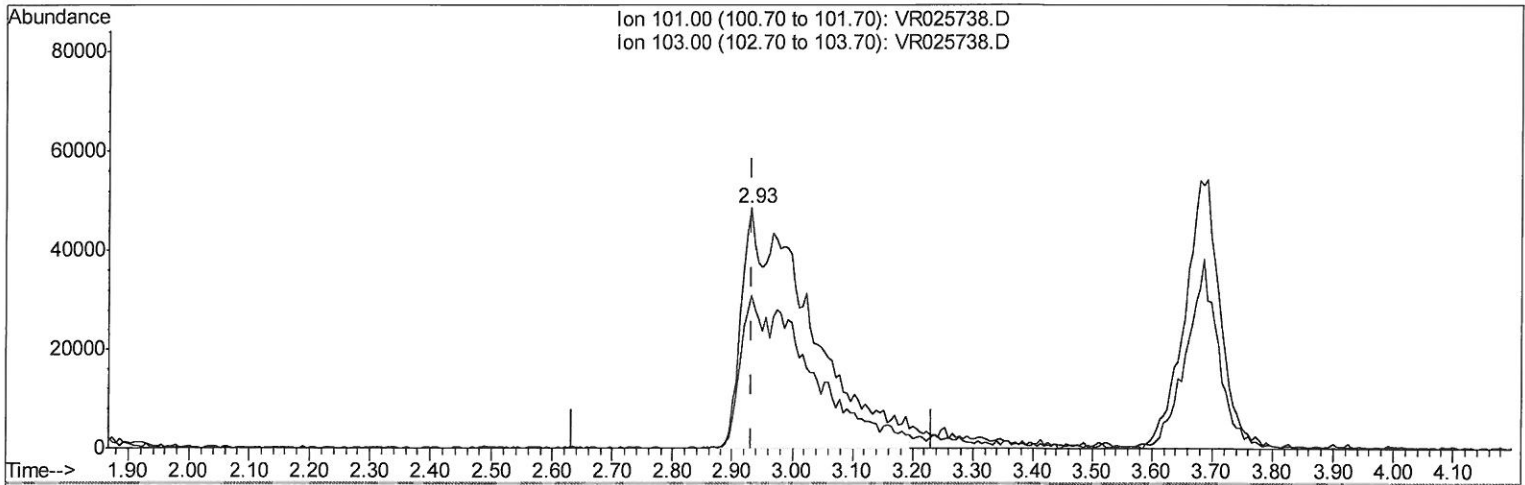
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091418\
 Data File : VR025738.D
 Acq On : 14 Sep 2018 19:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:11:26 PM

Quant Time: Sep 15 04:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 03:08:36 2018
 Response via : Initial Calibration



TIC: VR025738.D

(9) Trichlorofluoromethane (T)

2.932min (-0.000) 4.73ug/L m

209/12/18 SY

response 386448

Ion	Exp%	Act%
101.00	100	100
103.00	16.50	18.95
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091418\
 Data File : VR025738.D
 Acq On : 14 Sep 2018 19:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:11:26 PM

Quant Time: Sep 15 04:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 03:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	711958	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	624576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	270446	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	113990	3.68	ug/L	0.02
Spiked Amount 5.000	Range 40 - 130		Recovery =	73.60%		
7) Chloroethane-d5	2.63	69	106501	4.20	ug/L	0.01
Spiked Amount 5.000	Range 65 - 130		Recovery =	84.00%		
11) 1,1-Dichloroethene-d2	3.63	63	370258	4.37	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	87.40%		
20) 2-Butanone-d5	6.59	46	165835	53.07	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	106.14%		
24) Chloroform-d	7.20	84	332521	4.70	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.00%		
26) 1,2-Dichloroethane-d4	7.90	65	114850	4.78	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	95.60%		
32) Benzene-d6	7.85	84	767097	4.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	90.80%		
36) 1,2-Dichloropropane-d6	8.89	67	199181	4.38	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	87.60%		
41) Toluene-d8	9.97	98	753815	4.67	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	93.40%		
43) trans-1,3-Dichloropropene-	10.24	79	40946	3.65	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	73.00%		
46) 2-Hexanone-d5	10.59	63	190924	56.87	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	113.74%		
57) 1,1,2,2-Tetrachloroethane-	12.36	84	101353	5.09	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	101.80%		
64) 1,2-Dichlorobenzene-d4	13.52	152	167549	4.37	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	87.40%		

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	162310	4.47 ug/L	97
3) Chloromethane	2.01	50	189085	4.24 ug/L	94
5) Vinyl chloride	2.17	62	204990	4.63 ug/L	95
6) Bromomethane	2.53	94	146480	4.62 ug/L	87
8) Chloroethane	2.66	64	119524	4.59 ug/L	99
9) Trichlorofluoromethane	2.93	101	386448m	4.73 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	220949	5.02 ug/L	80
12) 1,1-Dichloroethene	3.66	96	211678	4.56 ug/L	98
13) Acetone	3.70	43	132264	62.81 ug/L	95
14) Carbon disulfide	3.96	76	517514	4.72 ug/L	100
15) Methyl Acetate	4.19	43	35599	4.74 ug/L	91
16) Methylene chloride	4.40	84	194816	4.66 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	266434	4.82 ug/L	90
18) trans-1,2-Dichloroethene	4.88	96	273470	4.55 ug/L	95
19) 1,1-Dichloroethane	5.69	63	398558	57.55 ug/L	98
21) 2-Butanone	6.69	43	255729	4.97 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	245562		

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091418\
 Data File : VR025738.D
 Acq On : 14 Sep 2018 19:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:11:26 PM

Quant Time: Sep 15 04:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 03:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	79740	4.71	ug/L	95
25) Chloroform	7.23	83	385168	4.82	ug/L	100
27) 1,2-Dichloroethane	7.99	62	148923	4.72	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	288098	4.63	ug/L	99
30) Cyclohexane	7.52	56	371401	4.97	ug/L	98
31) Carbon tetrachloride	7.64	117	285283	4.73	ug/L	96
33) Benzene	7.91	78	1069607	4.81	ug/L	100
34) Trichloroethene	8.71	95	243144	4.51	ug/L	99
35) Methylcyclohexane	8.95	83	440317	5.29	ug/L	97
37) 1,2-Dichloropropane	9.00	63	231678	4.62	ug/L	99
38) Bromodichloromethane	9.28	83	205441	4.56	ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	235656	4.59	ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	676113	54.52	ug/L	98
42) Toluene	10.03	91	1172193	5.15	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	161438	4.47	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	106074	4.51	ug/L	94
47) Tetrachloroethene	10.51	164	212180	4.80	ug/L	99
48) 2-Hexanone	10.63	43	462746	53.21	ug/L	98
49) Dibromochloromethane	10.79	129	116083	4.64	ug/L	100
50) 1,2-Dibromoethane	10.88	107	83032	4.45	ug/L #	93
51) Chlorobenzene	11.32	112	691642	4.83	ug/L	98
52) Ethylbenzene	11.39	91	1283839	5.23	ug/L	98
53) m,p-Xylene	11.50	106	506130	5.13	ug/L	99
54) o-Xylene	11.83	106	462247	5.31	ug/L	99
55) Styrene	11.84	104	741914	5.30	ug/L	98
56) Isopropylbenzene	12.13	105	1227998	5.66	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	110638	4.83	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	73279	4.76	ug/L	100
61) Bromoform	12.01	173	42852	3.70	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	385747	4.57	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	444175	4.62	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	351875	4.83	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	9031	4.21	ug/L	87
67) 1,3,5-Trichlorobenzene	14.29	180	255009	5.08	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	147997	4.80	ug/L	97
69) Naphthalene	15.00	128	151513	4.40	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	121751	4.99	ug/L	96

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