

Data File : VR026186.D
Acq On : 6 Nov 2018 10:12
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

Quant Time: Nov 06 15:51:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 03:06:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	633244	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	541054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	205101	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	223360	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	2.62	69	218644	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	3.61	63	619287	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	6.59	46	212559	46.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	7.20	84	429994	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	7.90	65	168608	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	7.85	84	849659	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	8.90	67	221715	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	9.97	98	839279	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	10.24	79	55209	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	10.59	63	172982	50.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.76%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	87032	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	161811	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	193954	4.560 ug/L	94
3) Chloromethane	2.02	50	294622	4.362 ug/L	97
5) Vinyl chloride	2.16	62	294446	4.376 ug/L	100
6) Bromomethane	2.52	94	202542	4.558 ug/L	99
8) Chloroethane	2.66	64	194367	4.662 ug/L	93
9) Trichlorofluoromethane	2.94	101	514550	5.297 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	290410	5.014 ug/L	98
12) 1,1-Dichloroethene	3.63	96	292993	4.758 ug/L	83
13) Acetone	3.69	43	215450	45.806 ug/L	99
14) Carbon disulfide	3.93	76	817335	5.077 ug/L	99
15) Methyl Acetate	4.19	43	53479	4.352 ug/L	98
16) Methylene chloride	4.41	84	241497	4.325 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	245886	4.398 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	222748	4.783 ug/L	97
19) 1,1-Dichloroethane	5.69	63	419340	4.796 ug/L	95
21) 2-Butanone	6.69	43	244252	45.014 ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	211965	4.812 ug/L #	95

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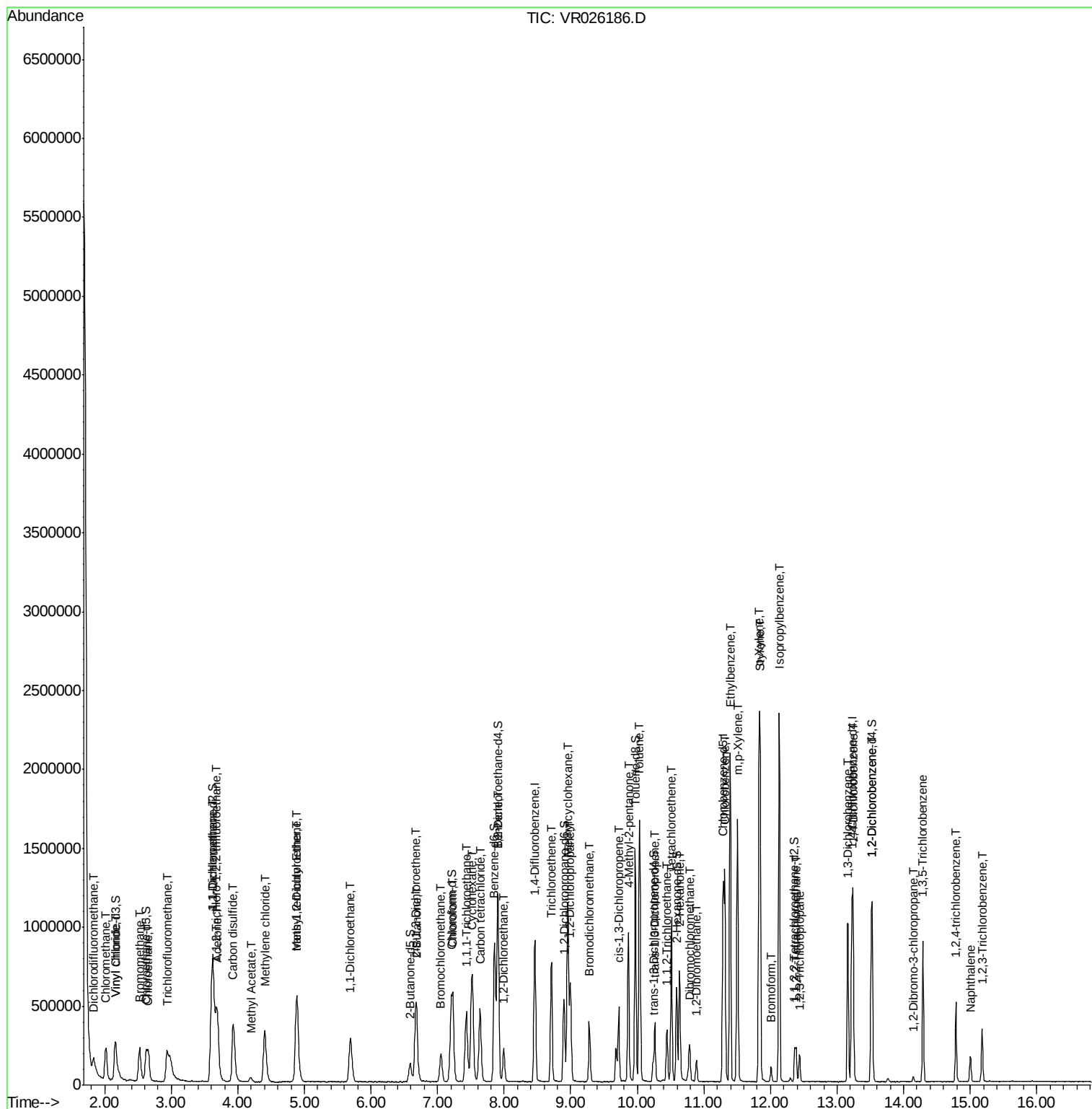
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	60003	4.856	ug/L	93
25) Chloroform	7.23	83	409443	4.798	ug/L	99
27) 1,2-Dichloroethane	7.99	62	185225	4.435	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	386627	5.229	ug/L	98
30) Cyclohexane	7.52	56	395344	5.327	ug/L	98
31) Carbon tetrachloride	7.64	117	341673	5.083	ug/L	96
33) Benzene	7.91	78	989219	4.873	ug/L	100
34) Trichloroethene	8.71	95	254497	4.898	ug/L	98
35) Methylcyclohexane	8.95	83	412423	5.331	ug/L	98
37) 1,2-Dichloropropane	8.99	63	206899	4.830	ug/L	98
38) Bromodichloromethane	9.28	83	226407	4.915	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	242077	4.938	ug/L	93
40) 4-Methyl-2-pentanone	9.86	43	606163	46.340	ug/L	100
42) Toluene	10.04	91	1077226	5.027	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	170193	4.969	ug/L	89
45) 1,1,2-Trichloroethane	10.45	97	84977	4.703	ug/L	97
47) Tetrachloroethene	10.51	164	183462	4.944	ug/L	98
48) 2-Hexanone	10.63	43	414393	48.504	ug/L	97
49) Dibromochloromethane	10.79	129	102704	5.051	ug/L	98
50) 1,2-Dibromoethane	10.89	107	71956	4.610	ug/L #	89
51) Chlorobenzene	11.32	112	572638	4.828	ug/L	98
52) Ethylbenzene	11.39	91	1262405	5.123	ug/L	99
53) m,p-Xylene	11.50	106	459808	5.122	ug/L	98
54) o-Xylene	11.83	106	417571	5.074	ug/L	99
55) Styrene	11.84	104	634339	5.007	ug/L	95
56) Isopropylbenzene	12.13	105	1222144	5.346	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	85249	4.643	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	59922	4.445	ug/L	100
61) Bromoform	12.01	173	35091	4.922	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	329888	4.842	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	346422	4.909	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	264596	4.839	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	9043	4.059	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	205580	4.952	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	113297	4.675	ug/L	99
69) Naphthalene	15.00	128	104841	4.455	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	84289	5.008	ug/L	99

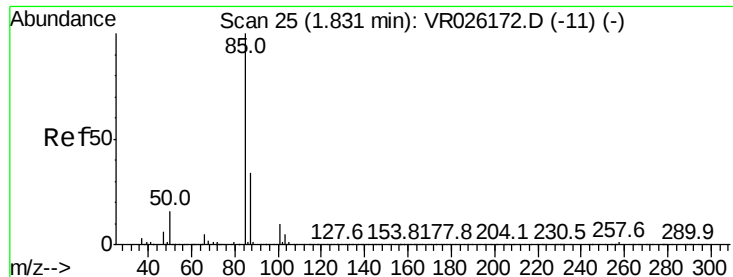
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.560 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

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MSVOA_R

ClientSampleId :

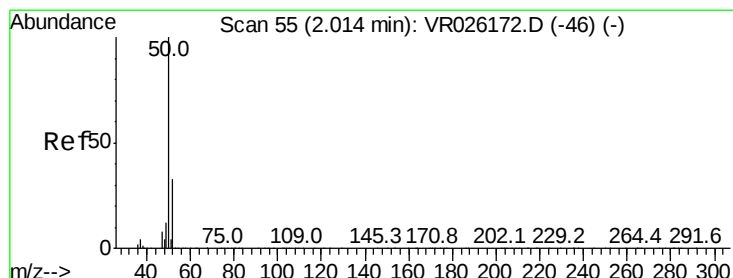
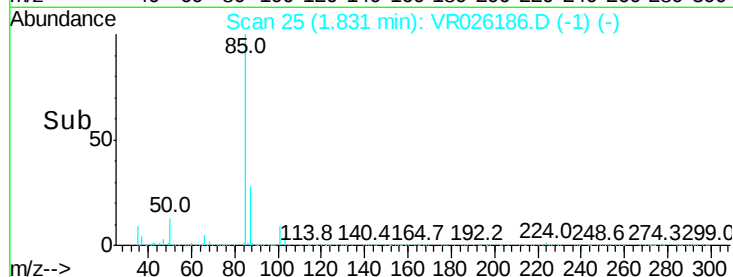
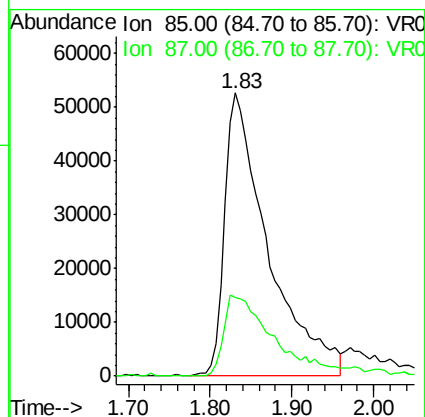
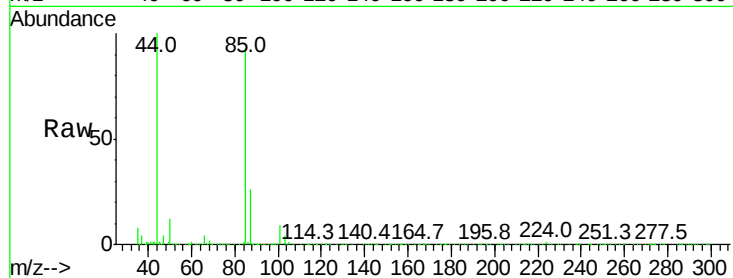
VSTD00585

Tgt Ion: 85 Resp: 193954

Ion Ratio Lower Upper

85 100

87 32.4 23.4 35.2



#3

Chloromethane

Concen: 4.362 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026186.D

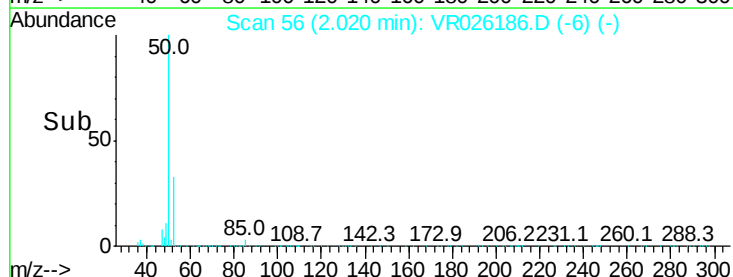
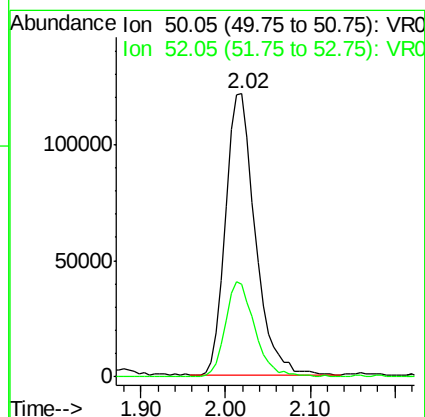
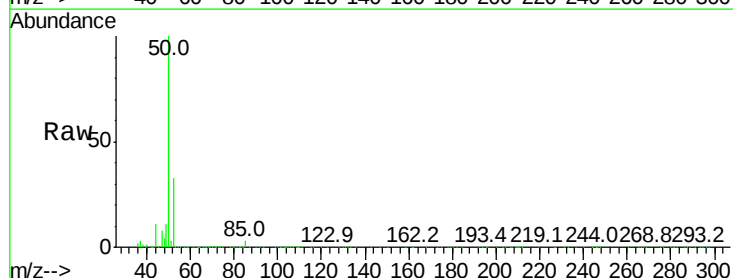
Acq: 6 Nov 2018 10:12

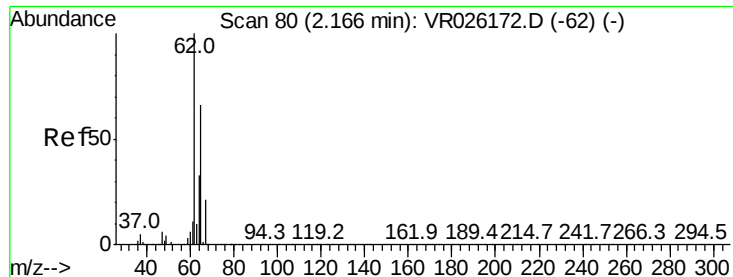
Tgt Ion: 50 Resp: 294622

Ion Ratio Lower Upper

50 100

52 32.8 22.0 40.8





#5

Vinyl chloride

Concen: 4.376 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026186.D

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Instrument :

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ClientSampleId :

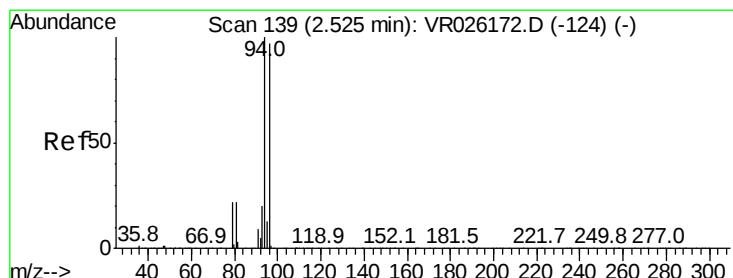
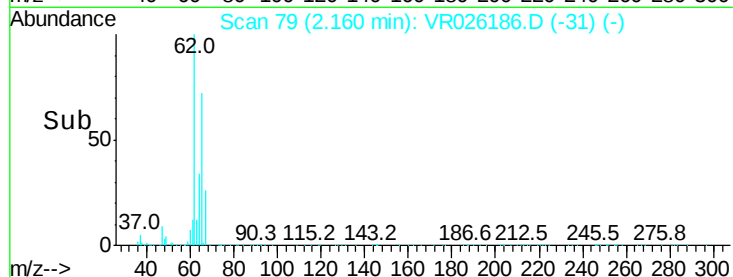
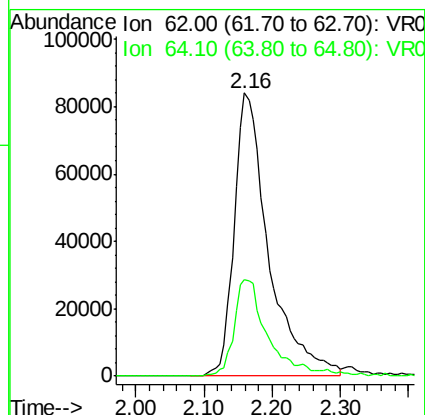
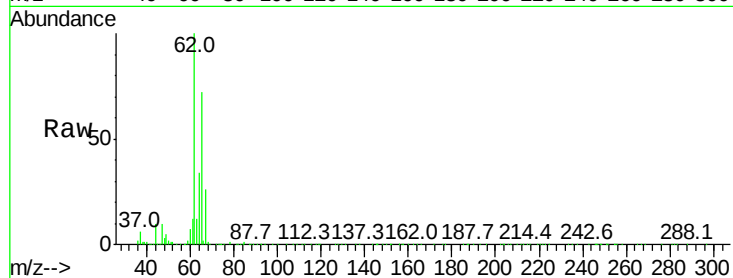
VSTD00585

Tgt Ion: 62 Resp: 294446

Ion Ratio Lower Upper

62 100

64 34.0 23.9 44.3



#6

Bromomethane

Concen: 4.558 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR026186.D

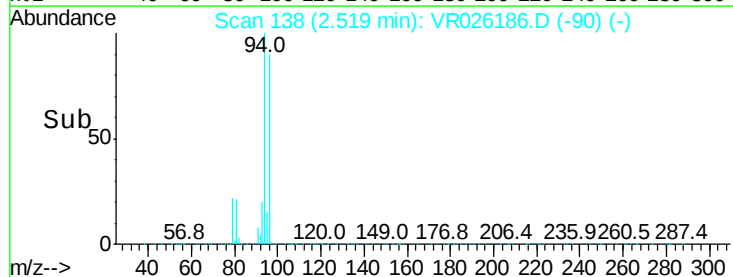
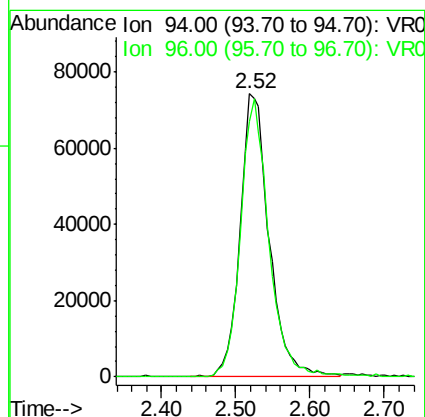
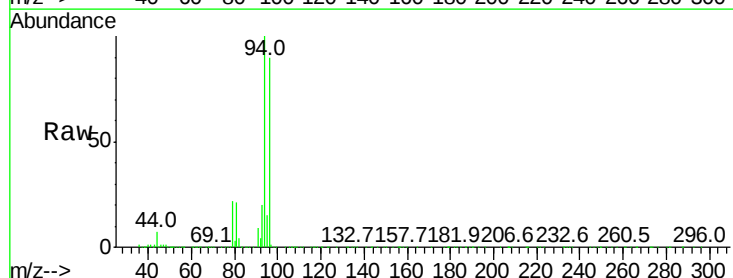
Acq: 6 Nov 2018 10:12

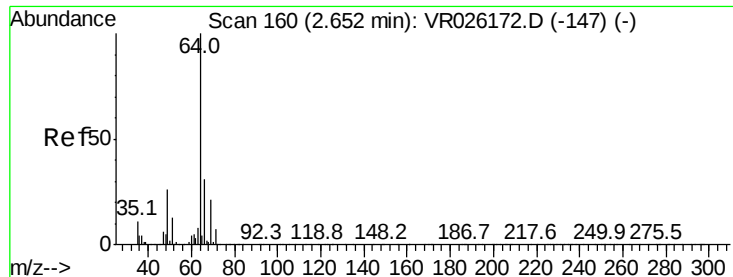
Tgt Ion: 94 Resp: 202542

Ion Ratio Lower Upper

94 100

96 90.1 62.5 116.1





#8

Chloroethane

Concen: 4.662 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026186.D

Acq: 6 Nov 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

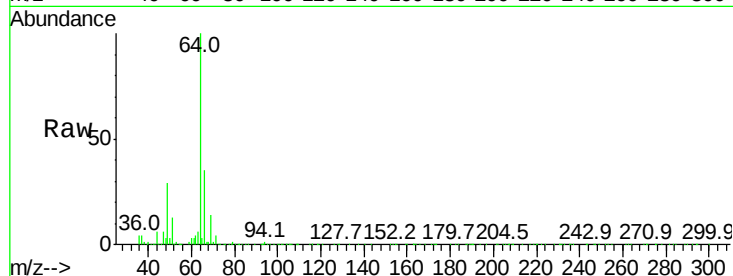
VSTD00585

Tgt Ion: 64 Resp: 194367

Ion Ratio Lower Upper

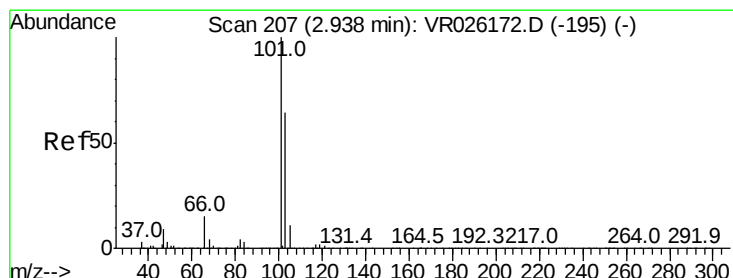
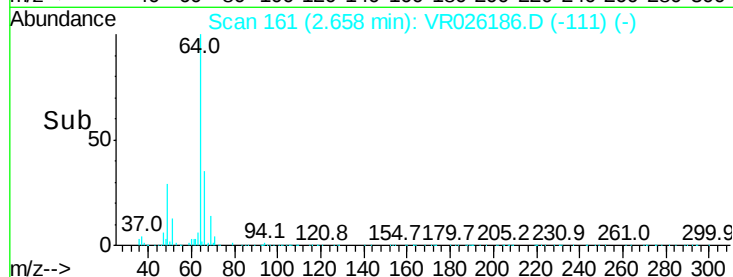
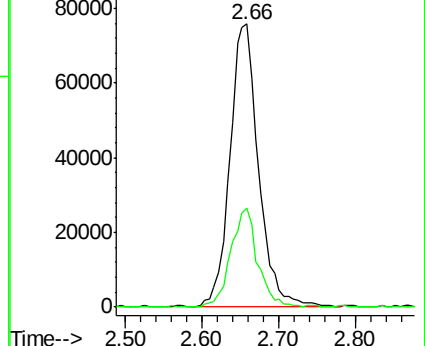
64 100

66 35.0 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 5.297 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

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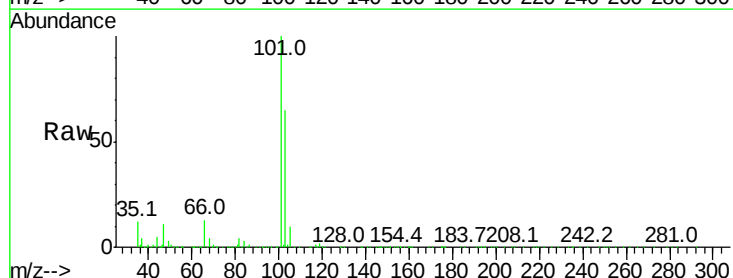
Acq: 6 Nov 2018 10:12

Tgt Ion: 101 Resp: 514550

Ion Ratio Lower Upper

101 100

103 60.2 26.0 39.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

