

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002985.D
 Acq On : 28 Jun 2018 15:14
 Operator : JC/MD
 Sample : J3704-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATER REF-4

Quant Time: Jun 29 06:08:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186019	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	172736	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.51	113	139500	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.72	98	503447	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.14	95	174874	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	

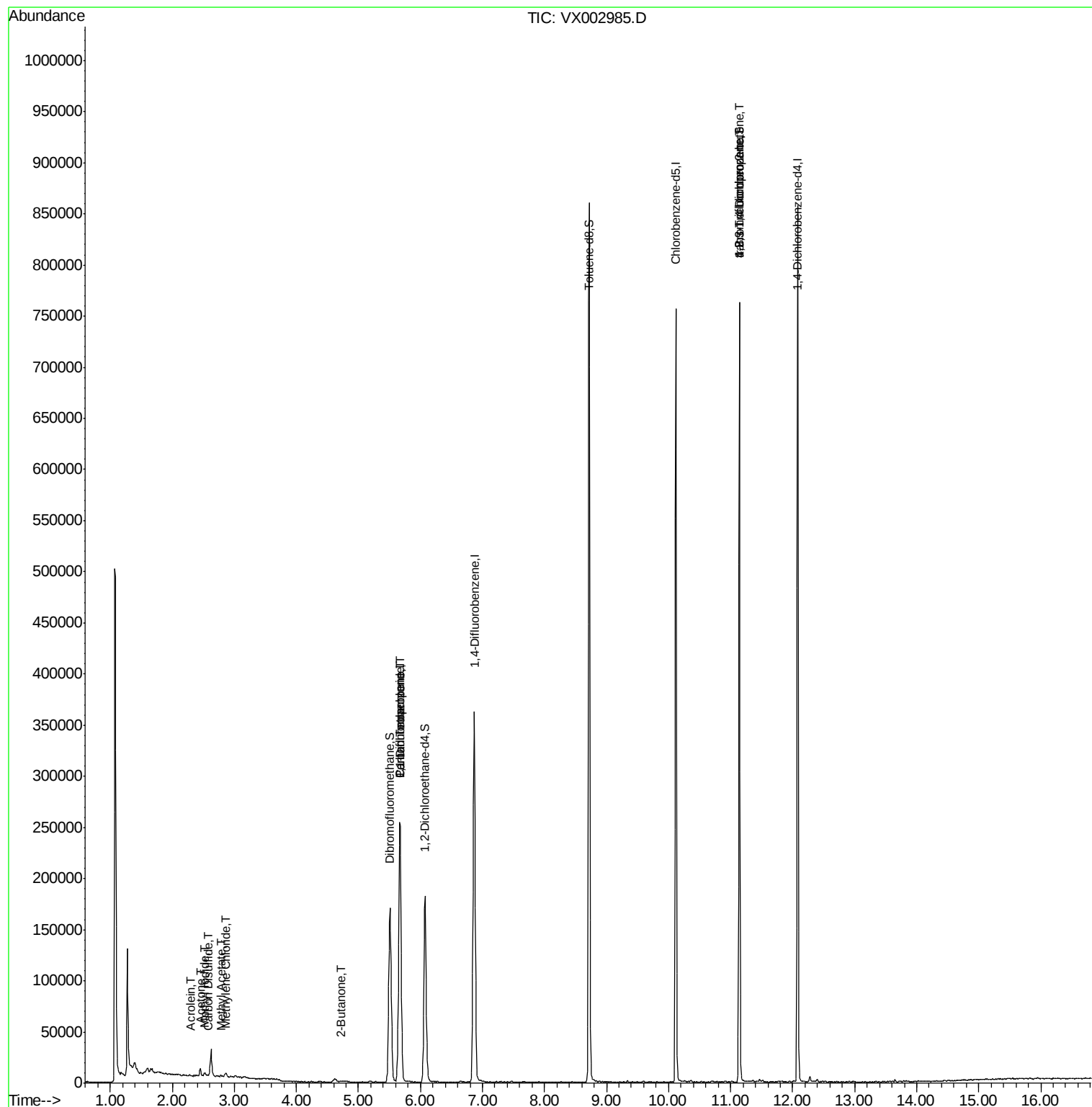
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	324	Below Cal		80
3) Chloromethane	1.33	50	1201	Below Cal	#	67
5) Bromomethane	1.65	94	2539	Below Cal		88
6) Chloroethane	1.71	64	388	Below Cal	#	81
10) Methyl Iodide	2.52	142	3898	7.41	ug/l	# 96
13) Acrolein	2.30	56	211	4.76	ug/l	# 14
16) Acetone	2.45	43	8141	5.51	ug/l	93
17) Carbon Disulfide	2.57	76	1684	0.25	ug/l	# 62
18) Methyl Acetate	2.78	43	988	0.24	ug/l	# 89
20) Methylene Chloride	2.85	84	1869	0.65	ug/l	# 92
25) 2-Butanone	4.71	43	576	0.26	ug/l	# 52
36) 1,1-Dichloropropene	5.67	75	17182	4.36	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	23233	5.37	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	90977	27.00	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	90977	76.43	ug/l	# 7

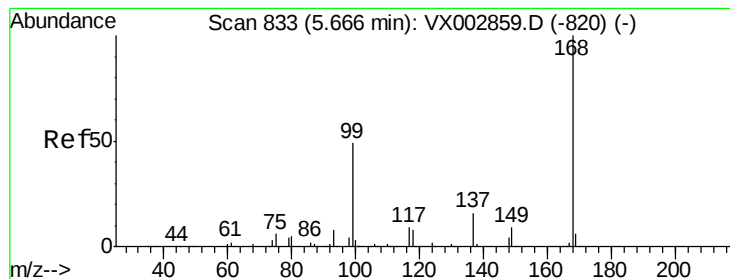
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002985.D

Acq: 28 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

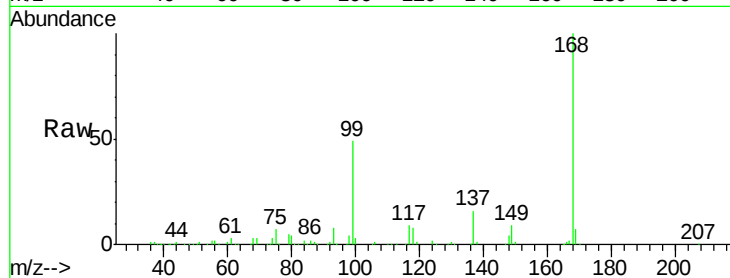
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 257934

Ion Ratio Lower Upper

168 100

99 49.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

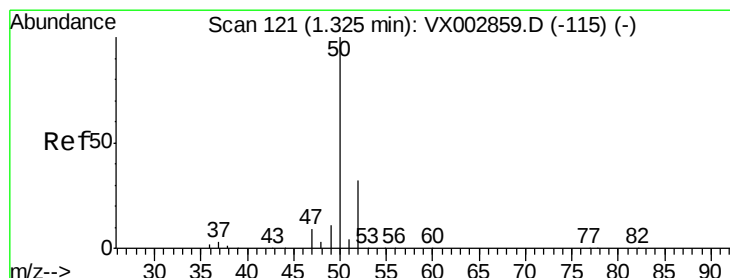
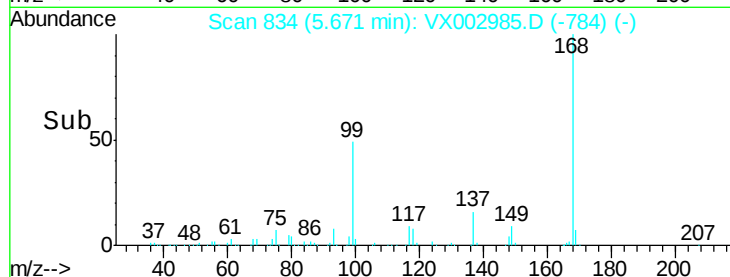
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002985.D

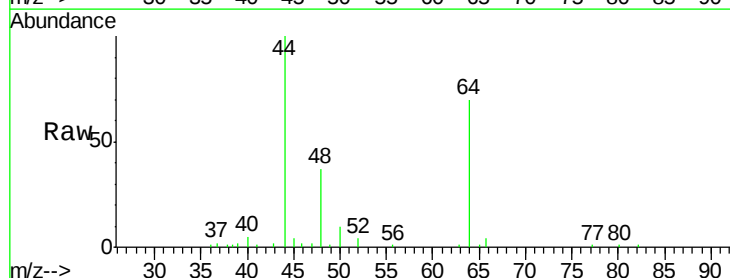
Acq: 28 Jun 2018 15:14

Tgt Ion: 50 Resp: 1201

Ion Ratio Lower Upper

50 100

52 50.6 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

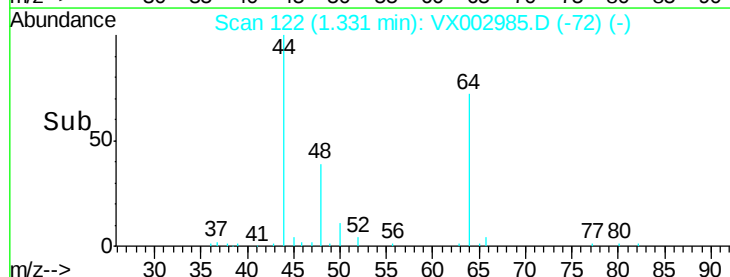
600

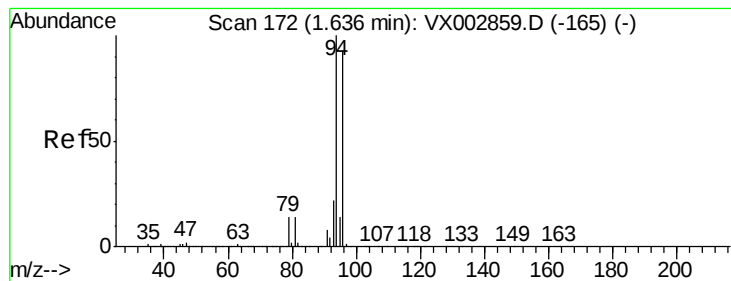
400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002985.D

Acq: 28 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

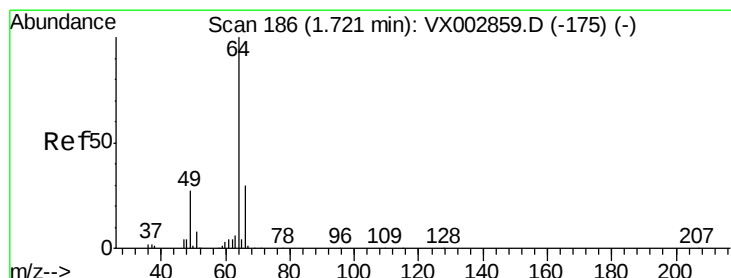
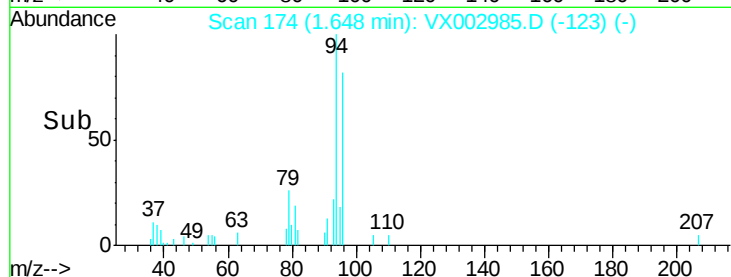
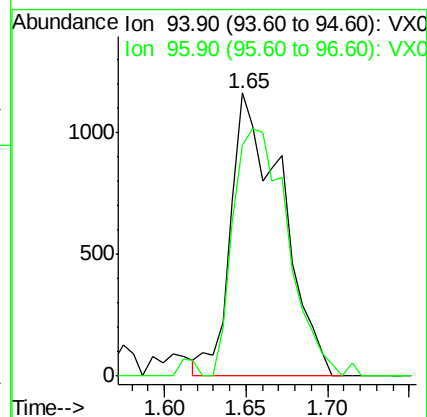
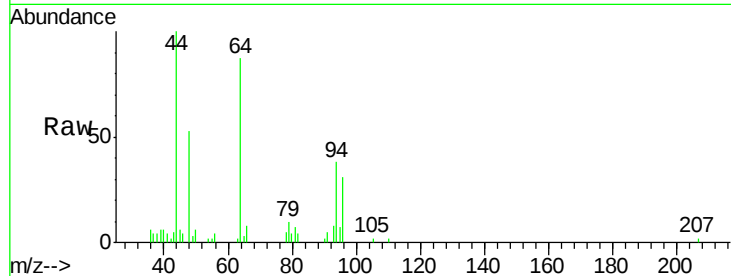
STORAGEBLANK-WATERREF-4

Tot Ion: 94 Resp: 2539

Ion Ratio Lower Upper

94 100

96 81.7 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002985.D

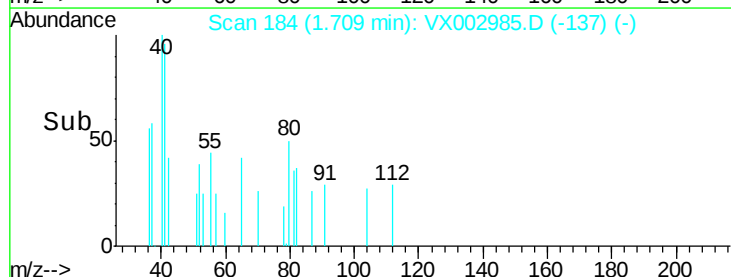
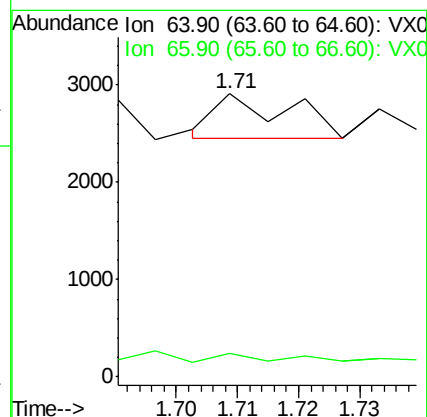
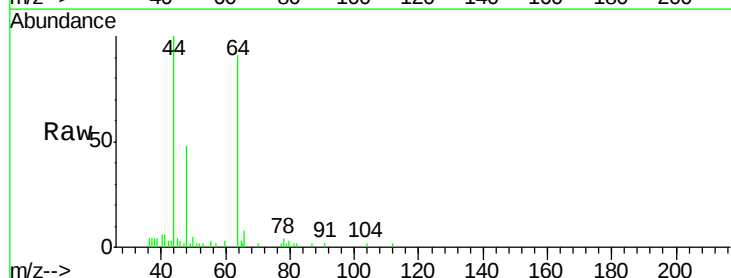
Acq: 28 Jun 2018 15:14

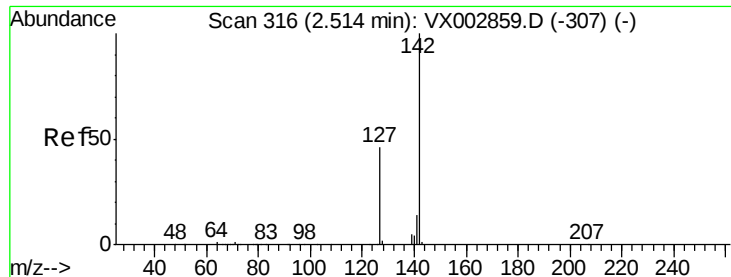
Tgt Ion: 64 Resp: 388

Ion Ratio Lower Upper

64 100

66 21.4 25.5 38.3#

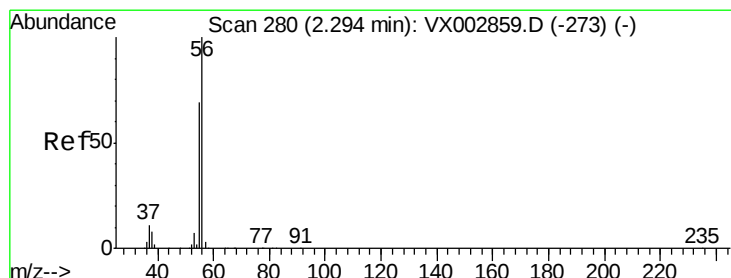
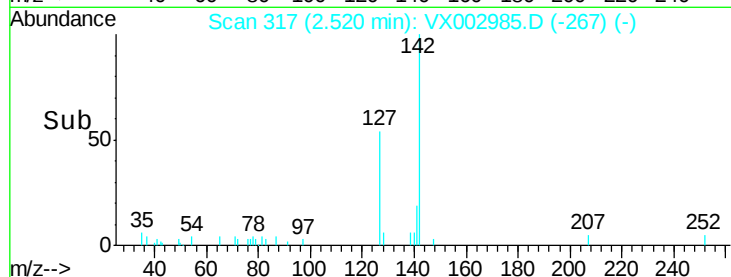
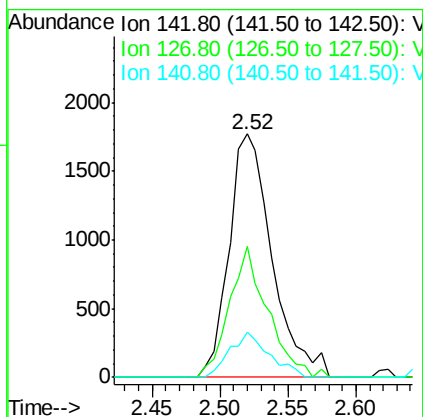
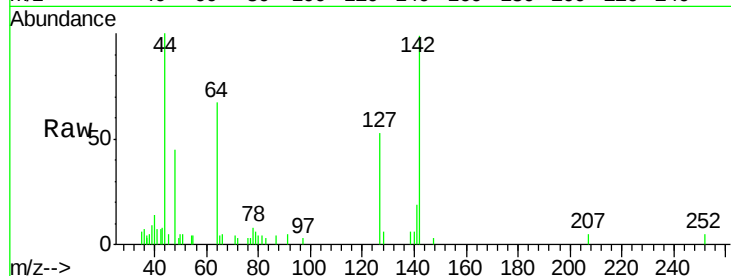




#10
Methyl Iodide
Concen: 7.41 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

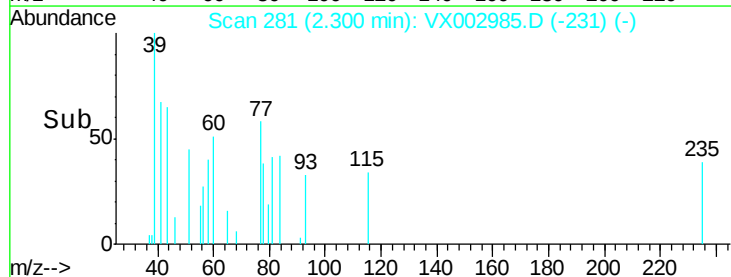
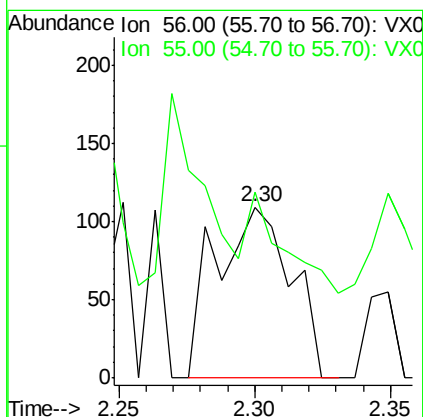
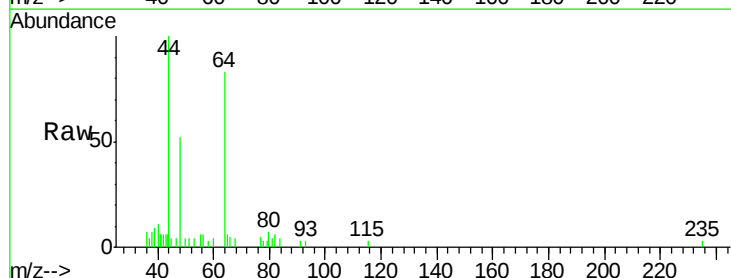
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

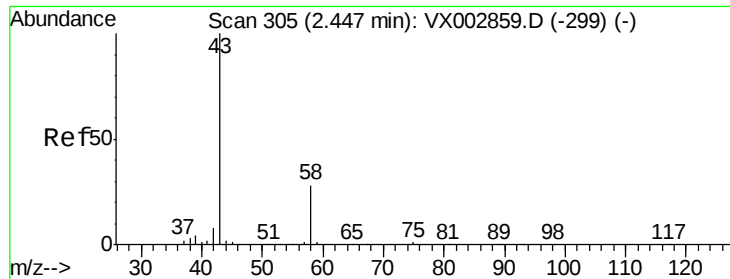
Tot Ion:142 Resp: 3898
Ion Ratio Lower Upper
142 100
127 48.2 36.6 55.0
141 17.1 11.3 16.9#



#13
Acrolein
Concen: 4.76 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 5.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002985.D

Acq: 28 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

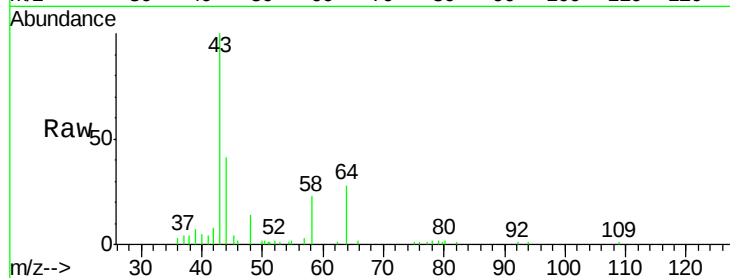
STORAGEBLANK-WATERREF-4

Tot Ion: 43 Resp: 8141

Ion Ratio Lower Upper

43 100

58 24.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

6000

5000

4000

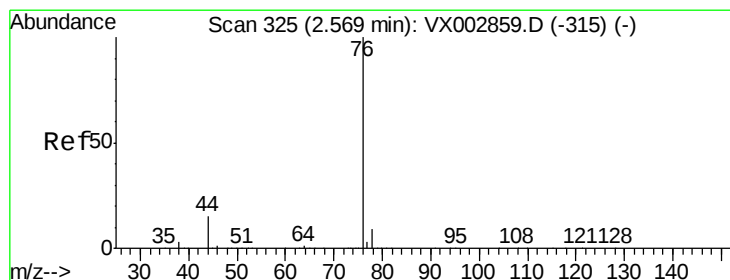
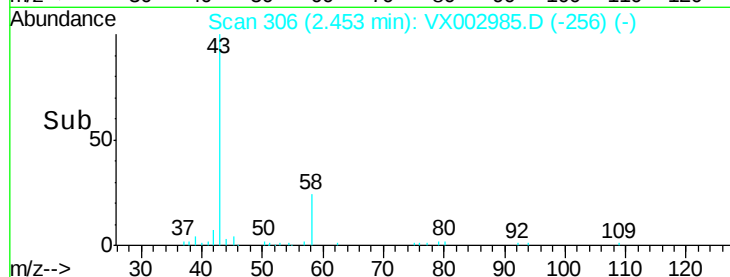
3000

2000

1000

0

Time-->



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002985.D

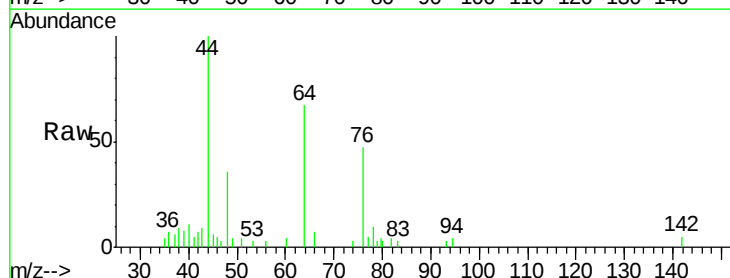
Acq: 28 Jun 2018 15:14

Tgt Ion: 76 Resp: 1684

Ion Ratio Lower Upper

76 100

78 22.3 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1000

800

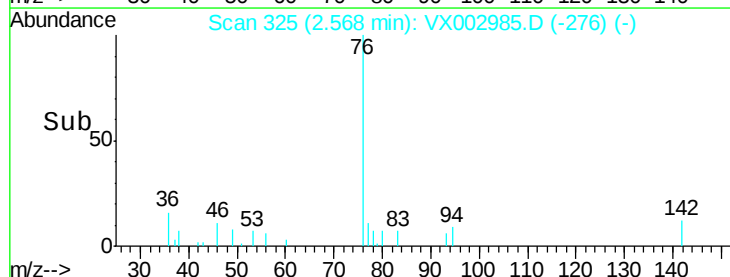
600

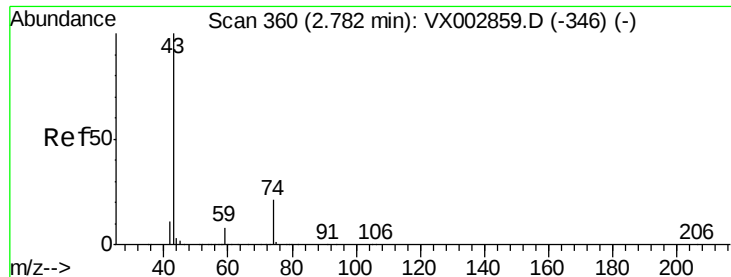
400

200

0

Time-->

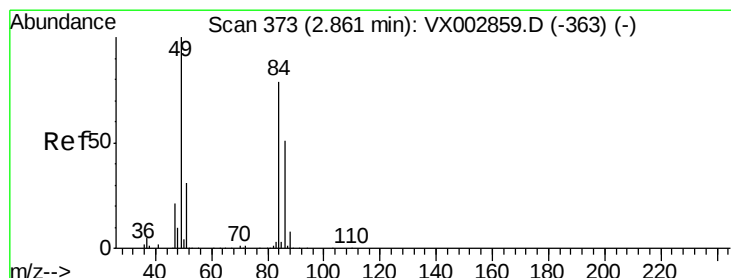
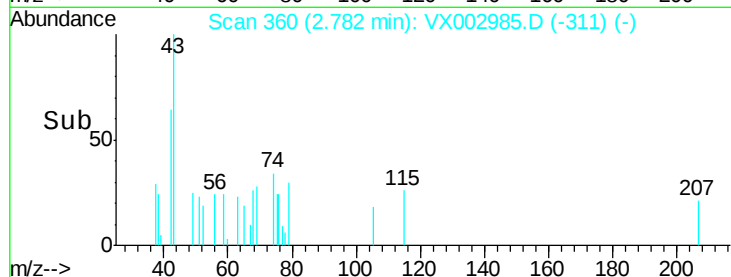
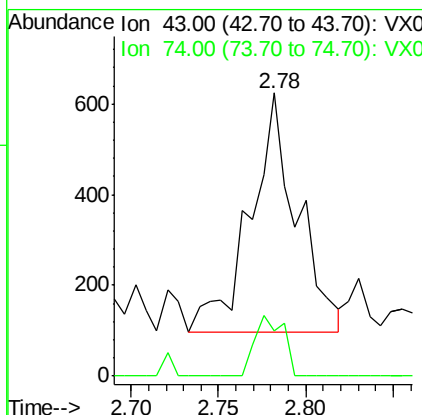
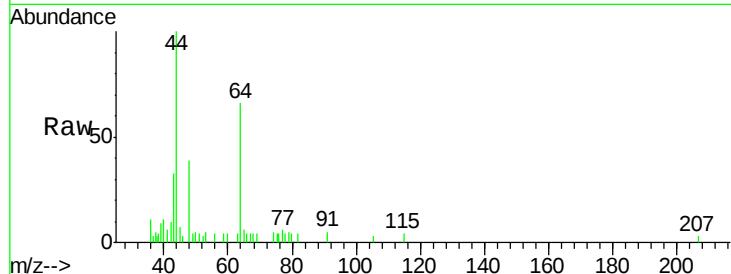




#18
Methvl Acetate
Concen: 0.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

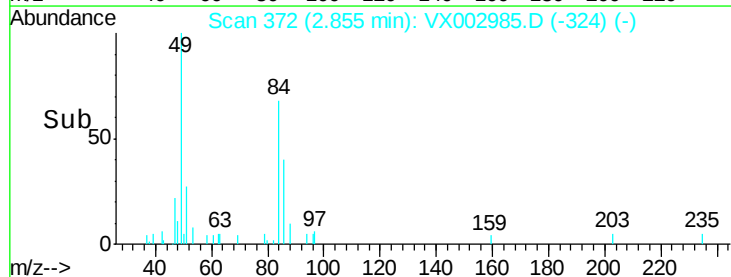
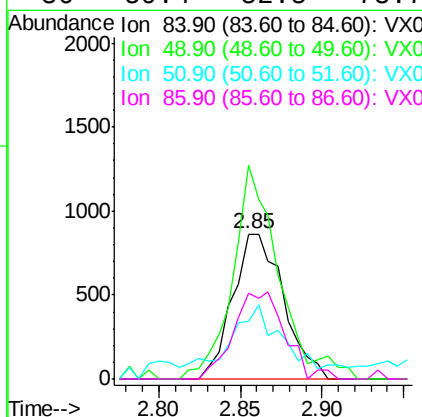
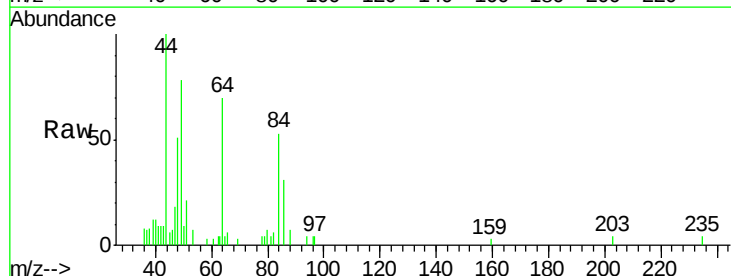
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

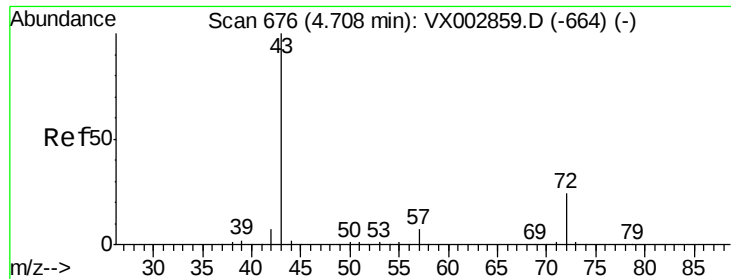
Tot Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
74 15.6 16.7 25.1#



#20
Methylene Chloride
Concen: 0.65 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

Tgt Ion: 84 Resp: 1869
Ion Ratio Lower Upper
84 100
49 141.3 107.8 161.6
51 30.3 32.8 49.2#
86 59.4 52.5 78.7





#25

2-Butanone

Concen: 0.26 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX002985.D

Acq: 28 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

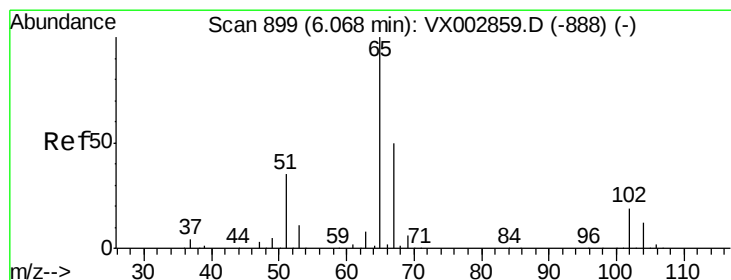
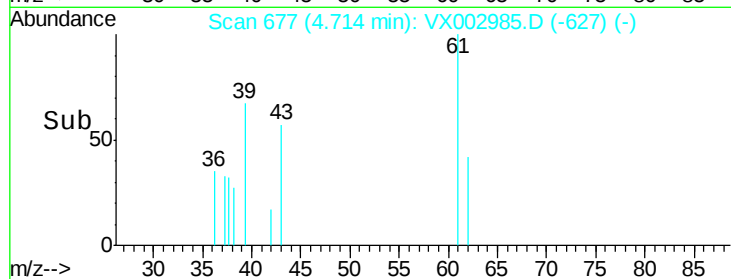
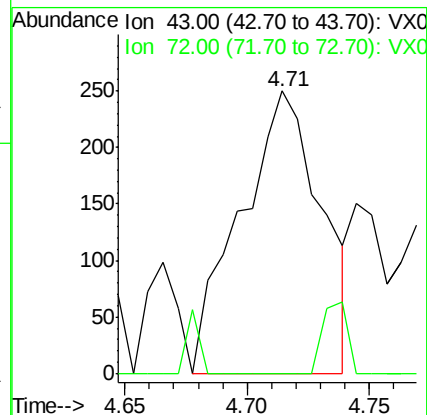
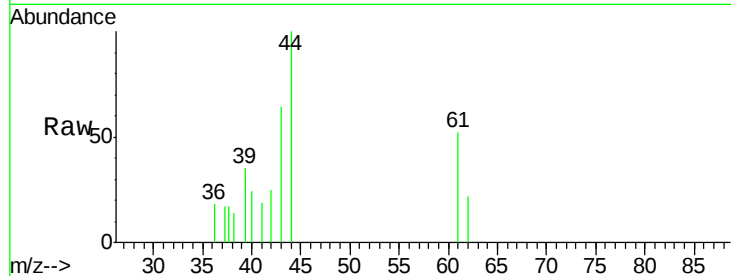
STORAGEBLANK-WATERREF-4

Tot Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#33

1,2-Dichloroethane-d4

Concen: 48.45 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002985.D

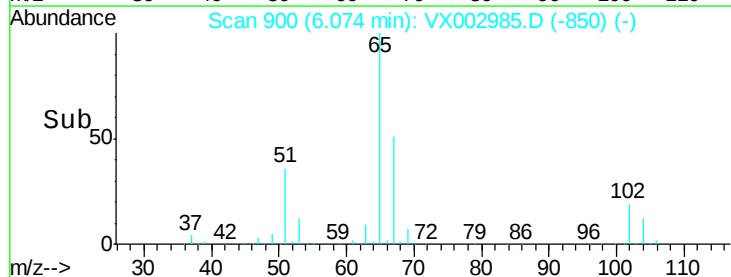
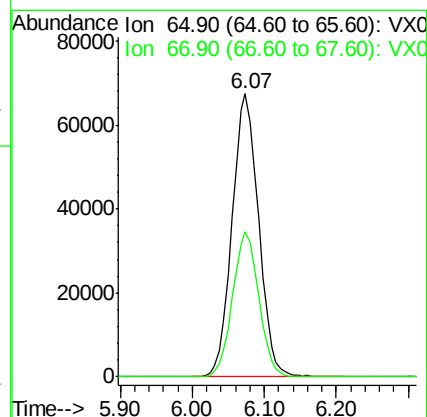
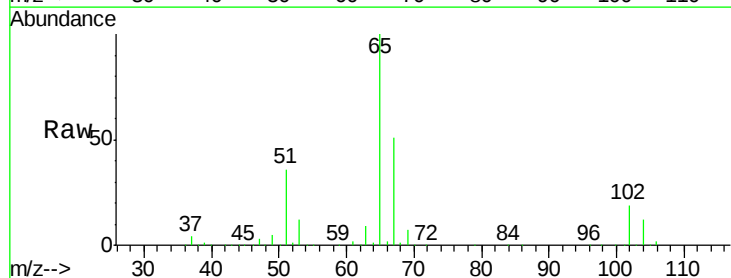
Acq: 28 Jun 2018 15:14

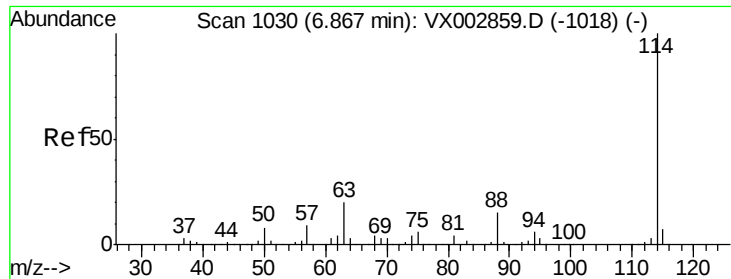
Tgt Ion: 65 Resp: 172736

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002985.D

Acq: 28 Jun 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

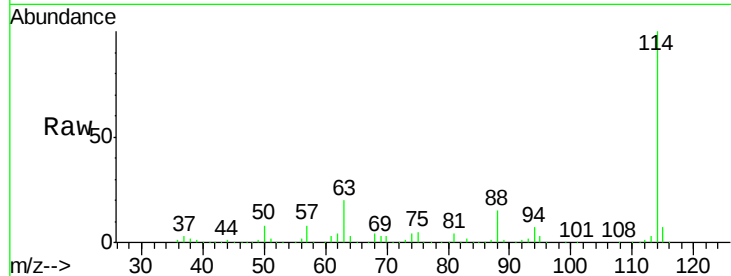
Tot Ion:114 Resp: 359505

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

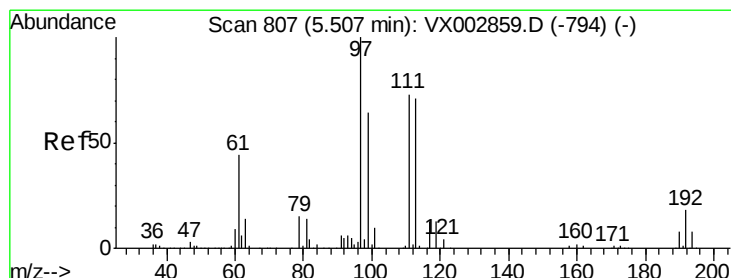
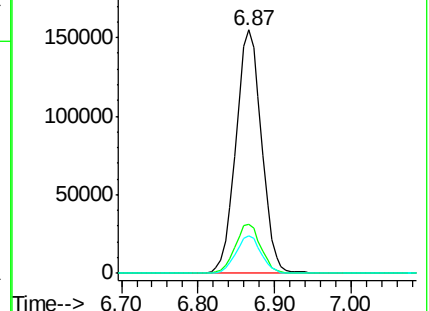
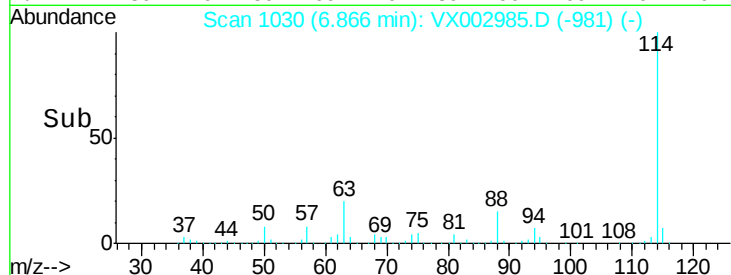
88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.00 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002985.D

Acq: 28 Jun 2018 15:14

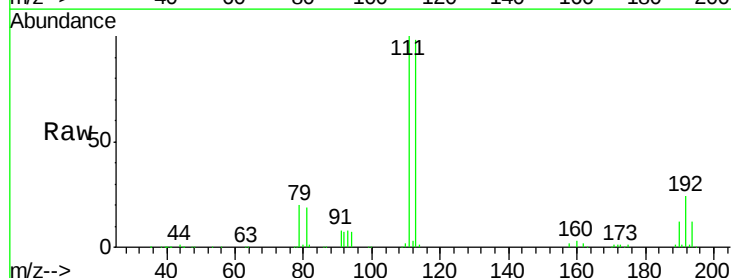
Tgt Ion:113 Resp: 139500

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

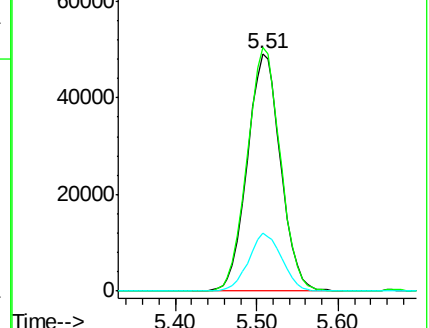
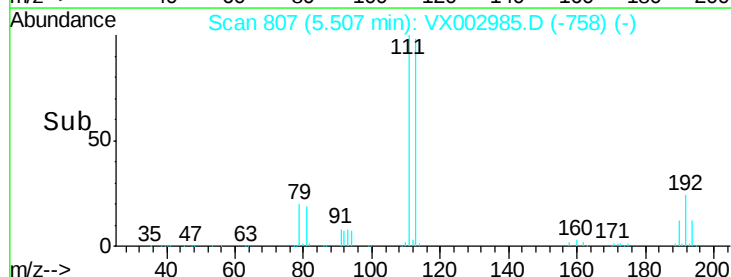
192 24.2 19.1 28.7

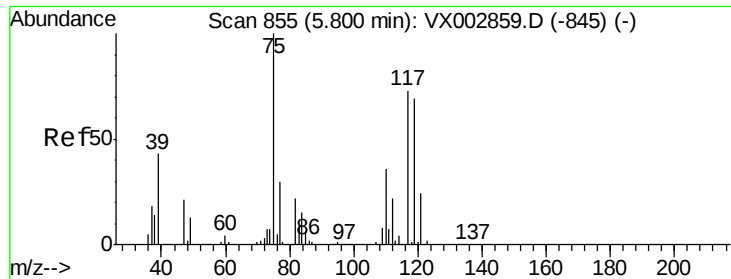


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

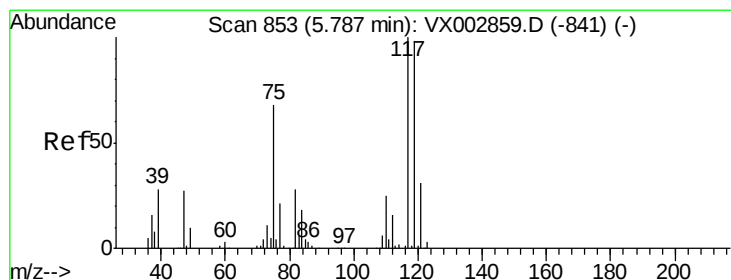
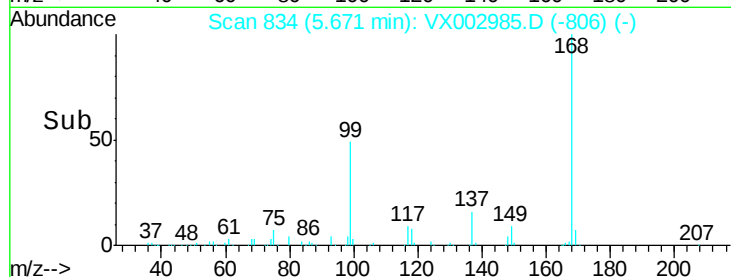
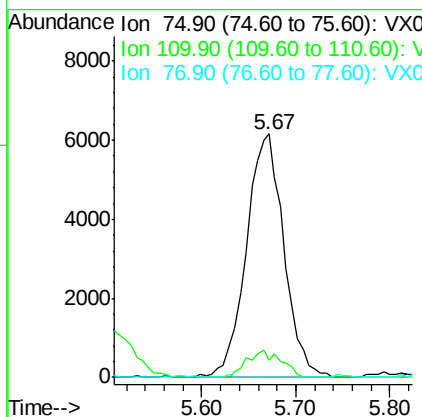
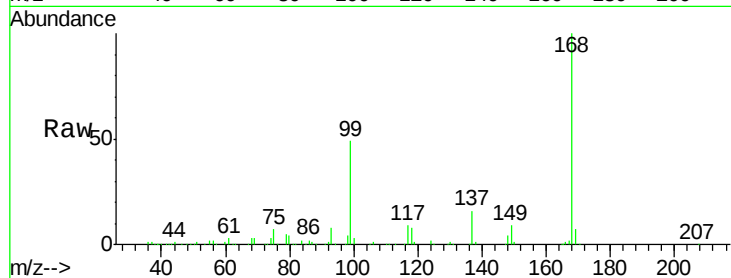




#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002985.D
 Acq: 28 Jun 2018 15:14

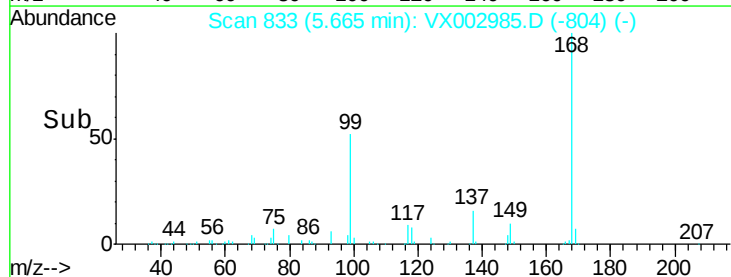
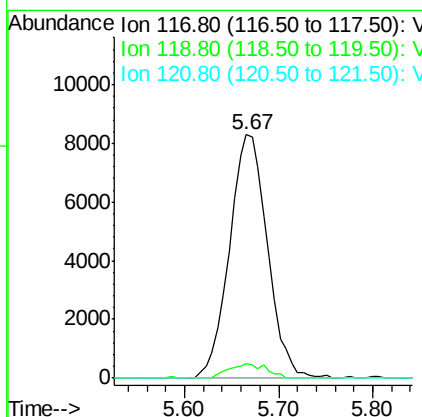
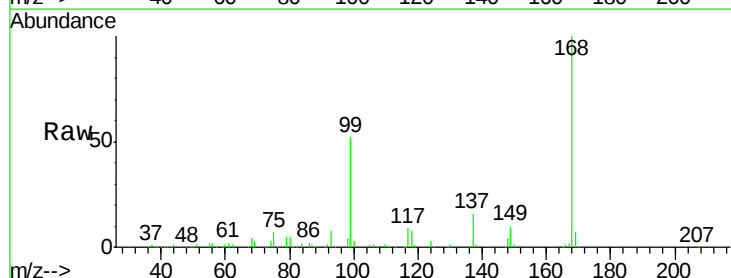
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

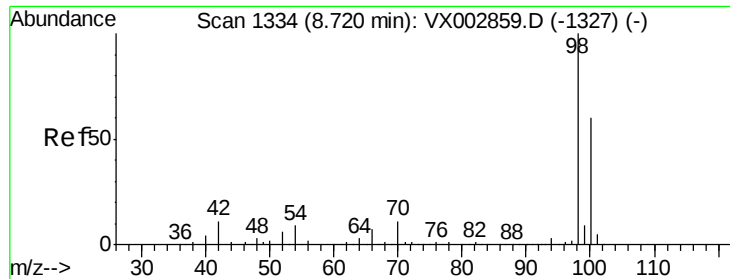
Tot Ion: 75 Resp: 17182
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.37 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002985.D
 Acq: 28 Jun 2018 15:14

Tgt Ion: 117 Resp: 23233
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.4 116.0#
 121 0.0 24.4 36.6#

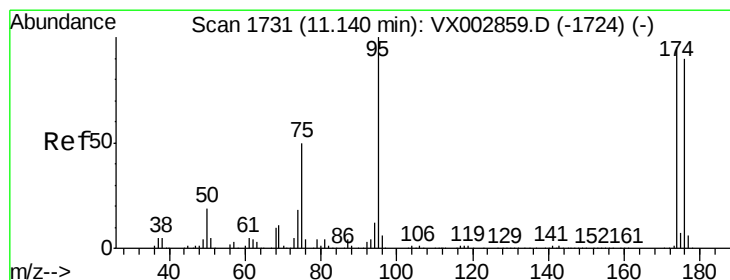
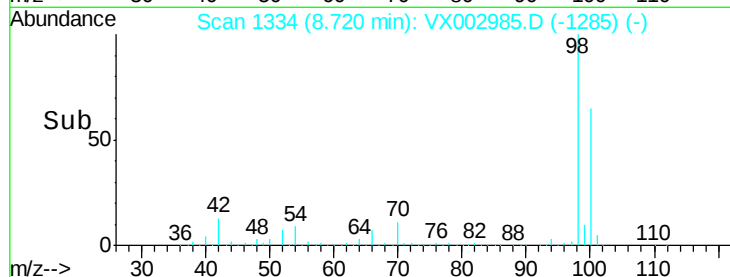
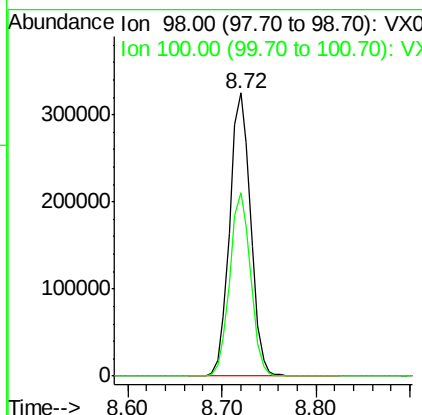
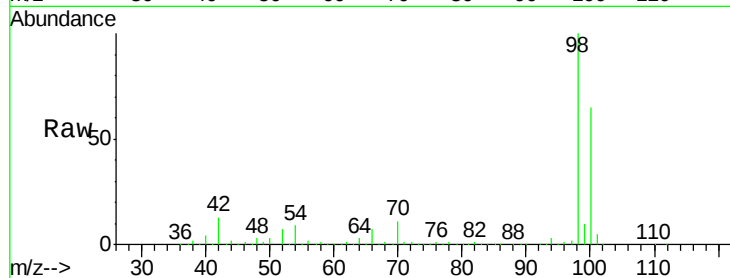




#50
Toluene-d8
Concen: 48.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

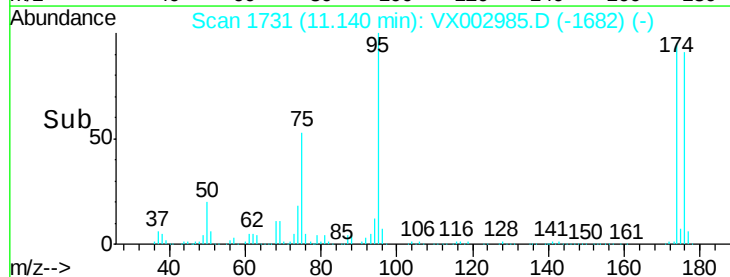
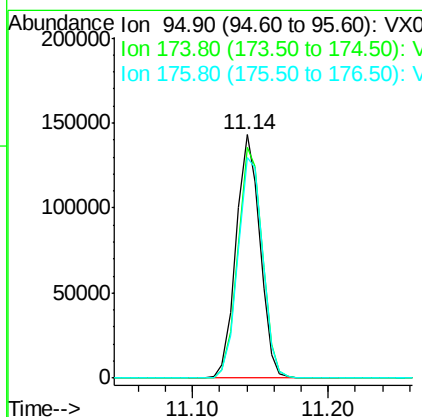
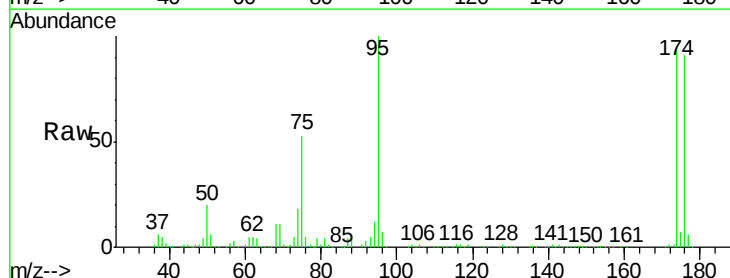
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

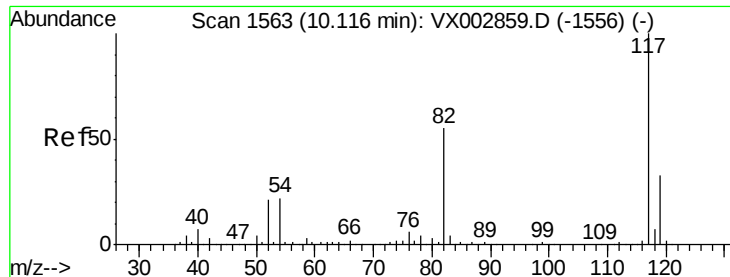
Tot Ion: 98 Resp: 503447
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.62 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

Tgt Ion: 95 Resp: 174874
Ion Ratio Lower Upper
95 100
174 97.1 0.0 187.4
176 94.4 0.0 181.0

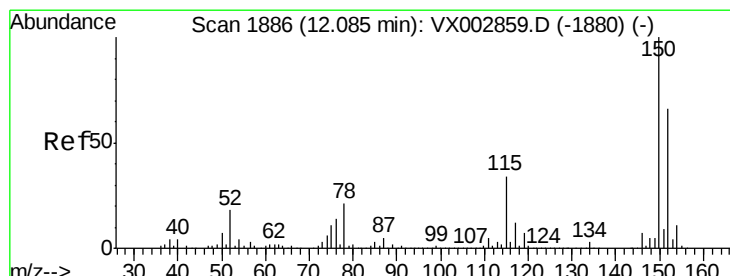
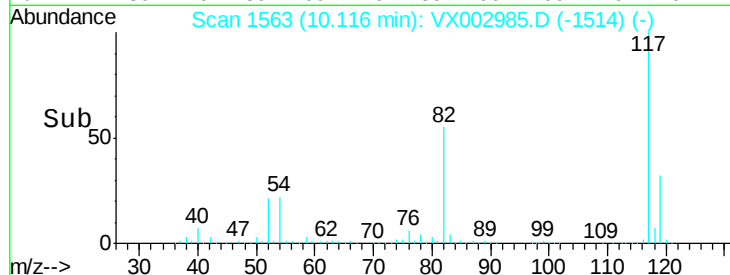
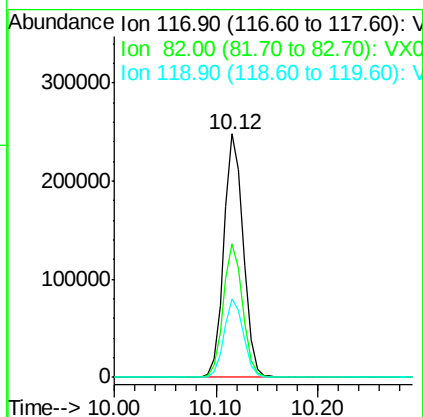
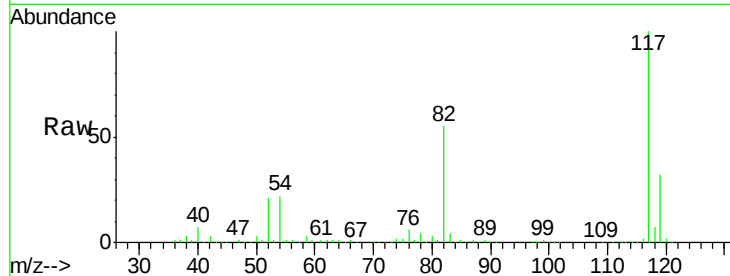




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

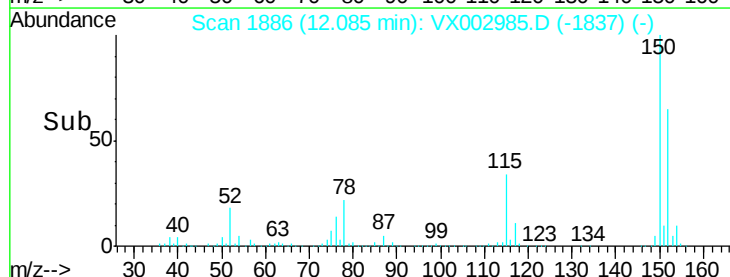
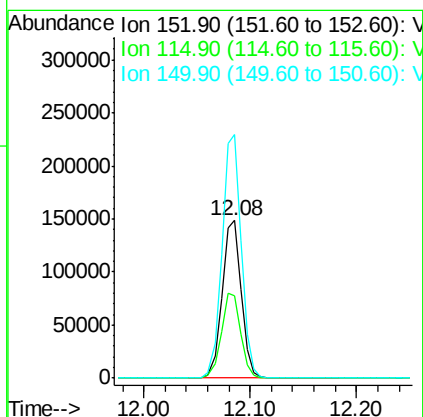
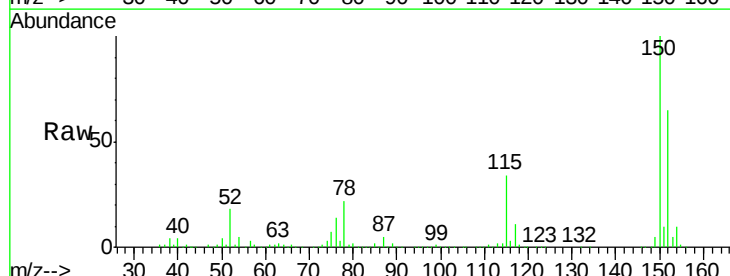
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

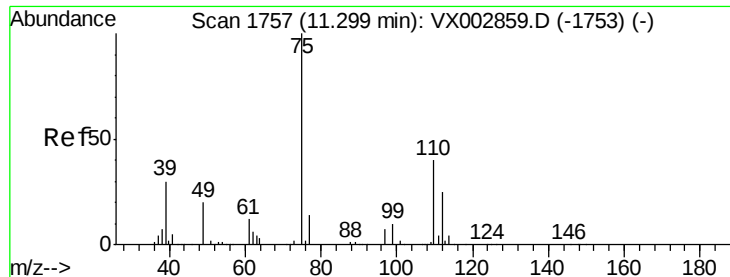
Tot Ion:117 Resp: 327772
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002985.D
Acq: 28 Jun 2018 15:14

Tgt Ion:152 Resp: 186019
Ion Ratio Lower Upper
152 100
115 54.2 40.1 120.2
150 155.3 0.0 347.2

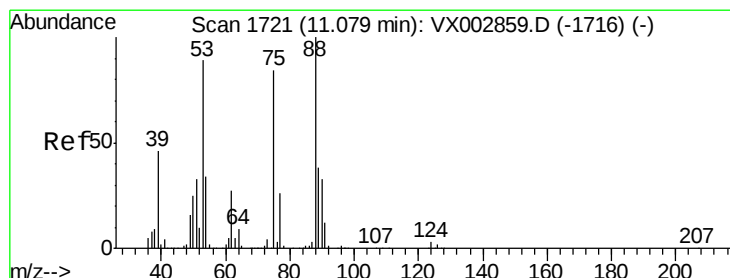
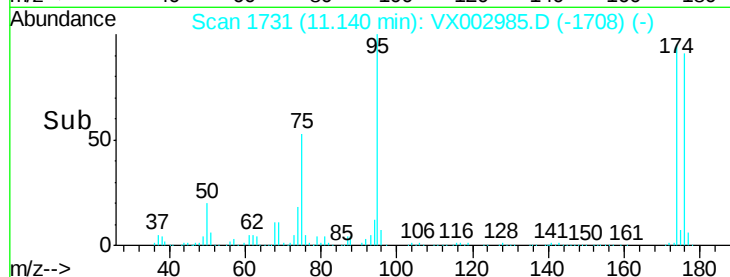
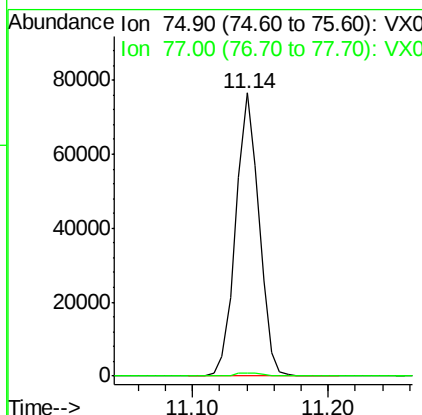
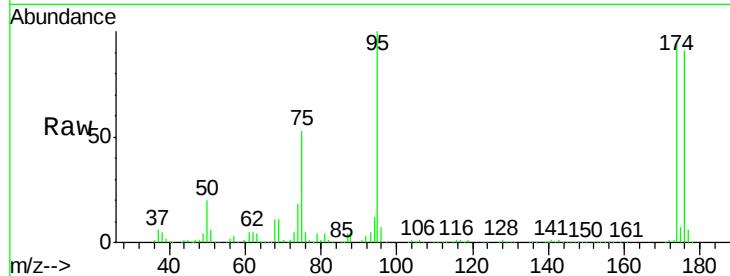




#76
 1,2,3-Trichloropropane
 Concen: 27.00 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002985.D
 Acq: 28 Jun 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 90977
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.43 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002985.D
 Acq: 28 Jun 2018 15:14

Tgt Ion: 75 Resp: 90977
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

