

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011119\
 Data File : VX007017.D
 Acq On : 11 Jan 2019 16:50
 Operator : JC/SP
 Sample : K1125-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jan 11 22:20:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	573744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	894404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	835208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	413883	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	305965	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	5.50	113	274021	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	1061727	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	387062	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

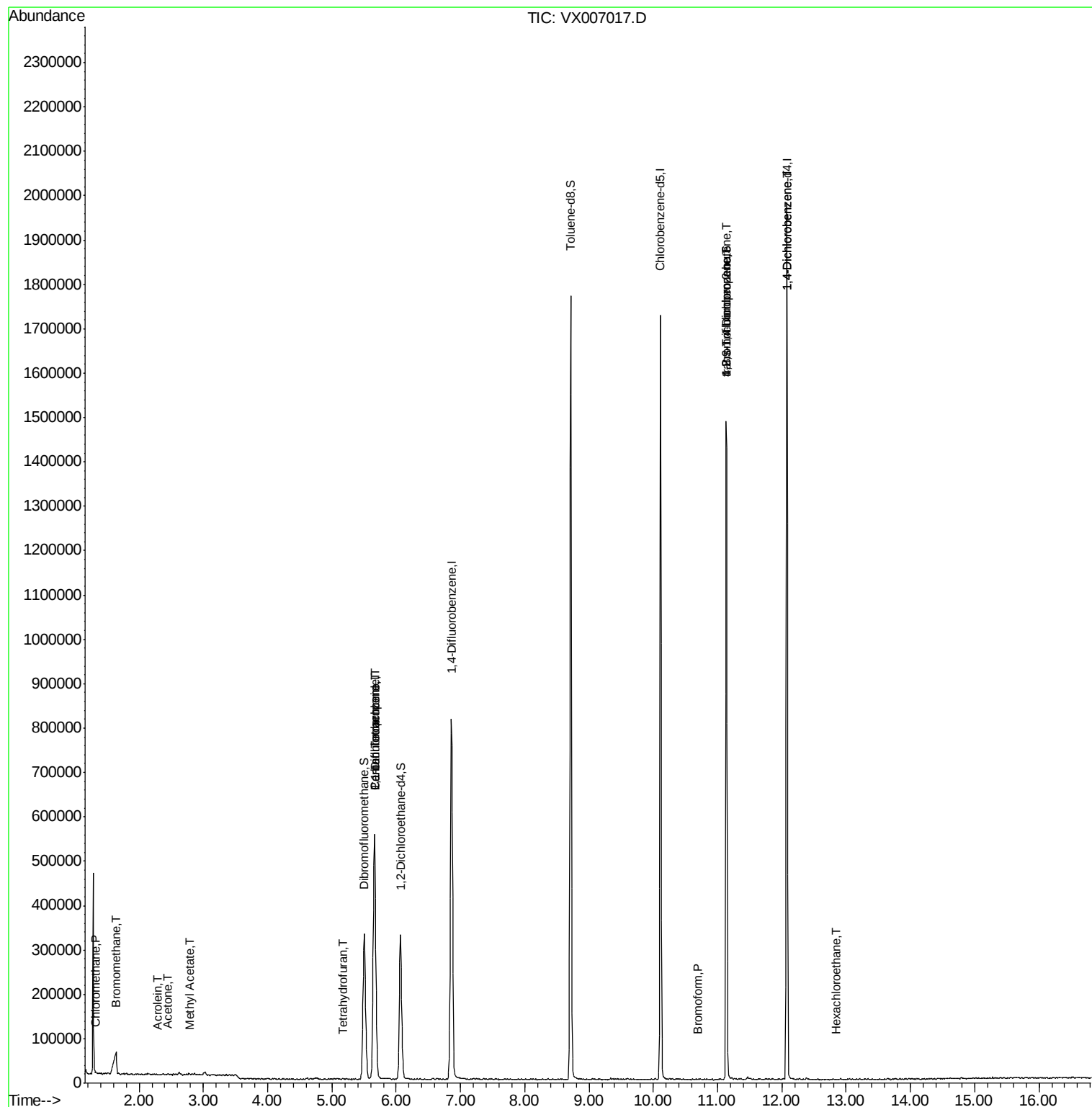
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1315	0.240	ug/l #	61
5) Bromomethane	1.64	94	2176	0.345	ug/l #	76
13) Acrolein	2.28	56	690	4.201	ug/l #	50
16) Acetone	2.44	43	2479	0.836	ug/l #	66
18) Methyl Acetate	2.79	43	1949	0.227	ug/l #	50
20) Methylene Chloride	2.86	84	1521	Below Cal	#	85
29) Tetrahydrofuran	5.18	42	935	0.339	ug/l #	84
36) 1,1-Dichloropropene	5.66	75	36077	4.639	ug/l #	49
38) Carbon Tetrachloride	5.66	117	51622	6.598	ug/l #	14
49) 1,4-Dioxane	7.74	88	83	Below Cal	#	27
71) Bromoform	10.69	173	104	4.745	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	182685	21.782	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	182685	64.543	ug/l #	10
88) 1,4-Dichlorobenzene	12.08	146	833	0.205	ug/l #	1
90) Hexachloroethane	12.85	117	59	2.922	ug/l	82

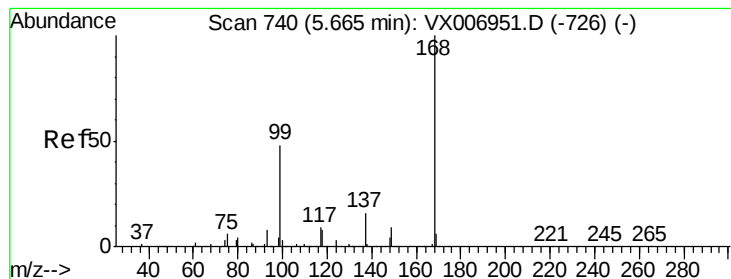
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

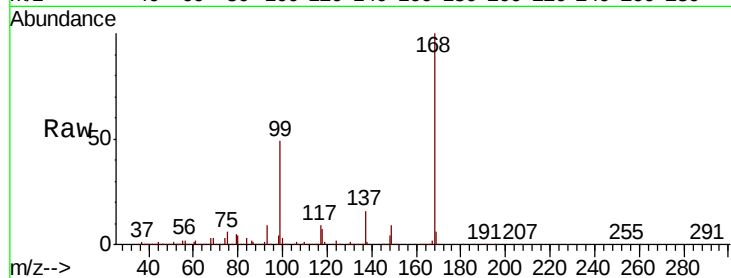
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 573744

Ion Ratio Lower Upper

168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

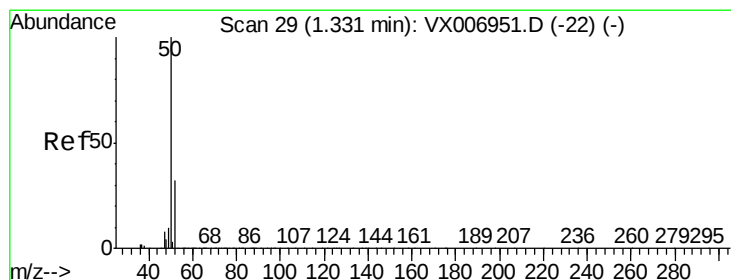
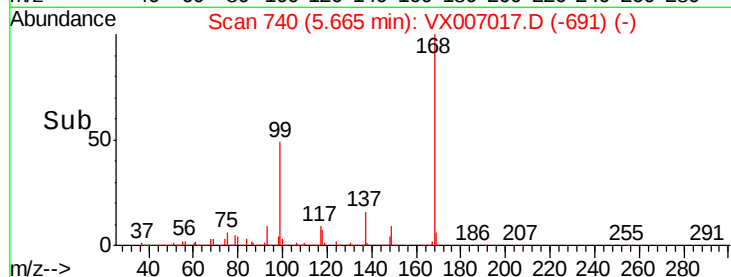
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.240 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007017.D

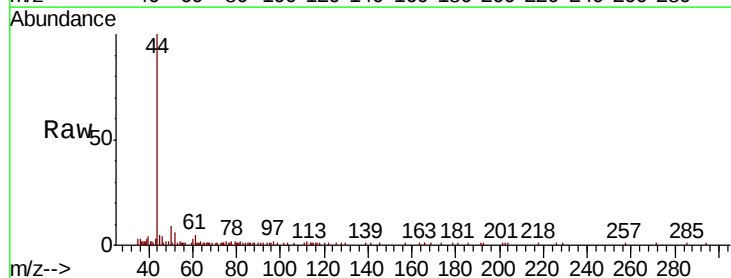
Acq: 11 Jan 2019 16:50

Tgt Ion: 50 Resp: 1315

Ion Ratio Lower Upper

50 100

52 53.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

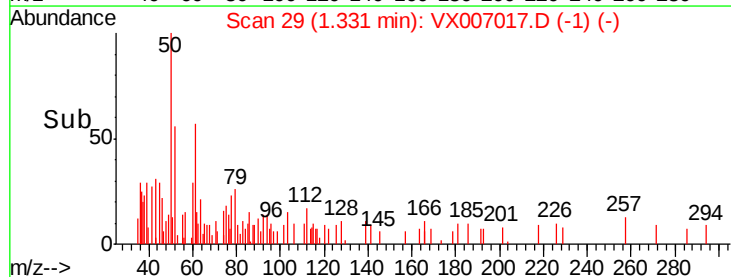
600

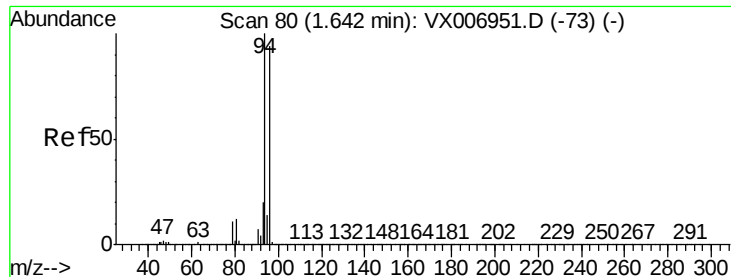
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

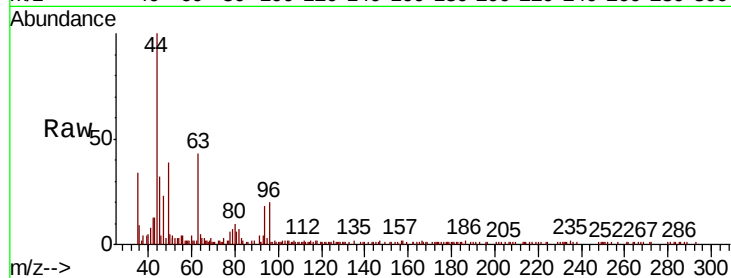
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 94 Resp: 2176

Ion Ratio Lower Upper

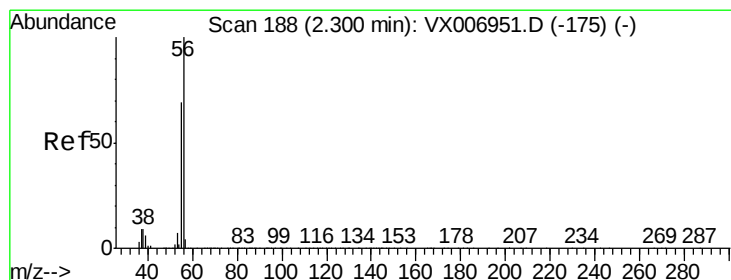
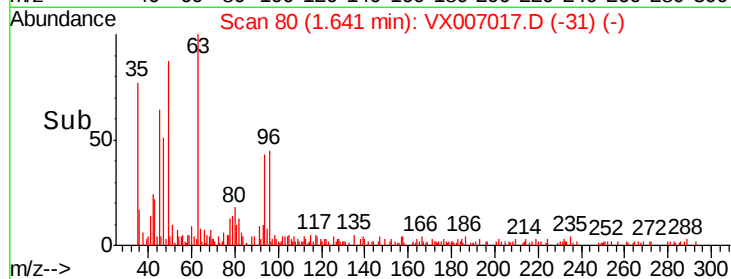
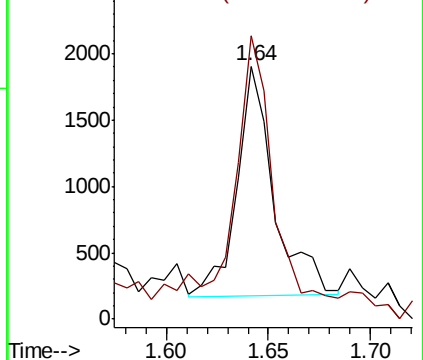
94 100

96 115.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 4.201 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX007017.D

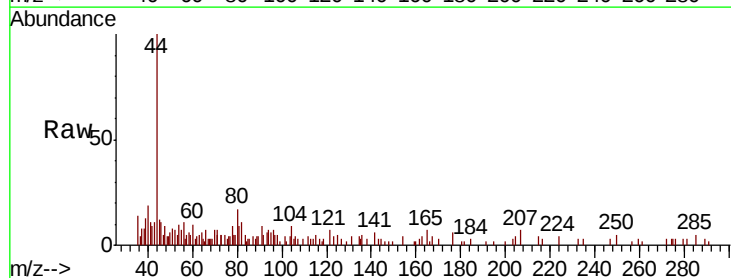
Acq: 11 Jan 2019 16:50

Tgt Ion: 56 Resp: 690

Ion Ratio Lower Upper

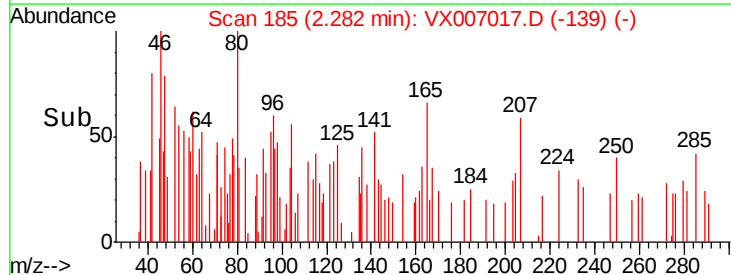
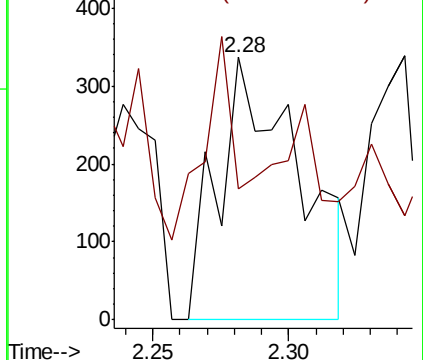
56 100

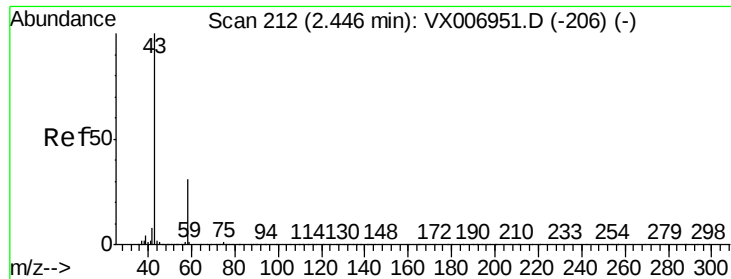
55 31.2 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

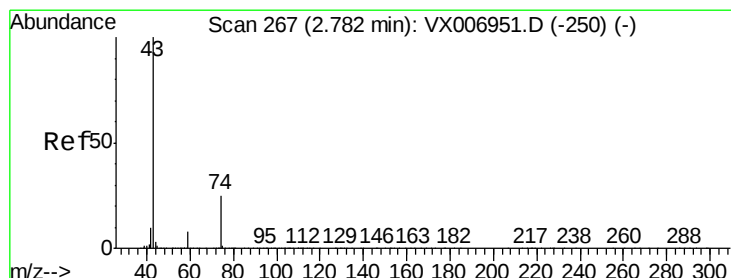
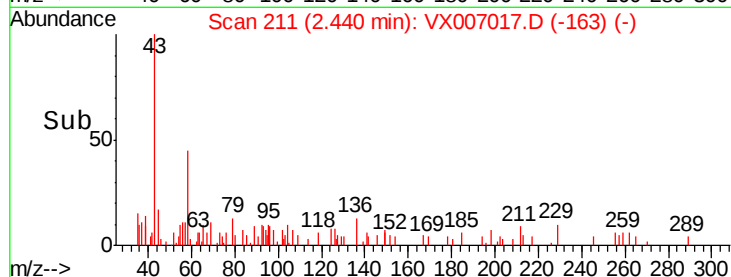
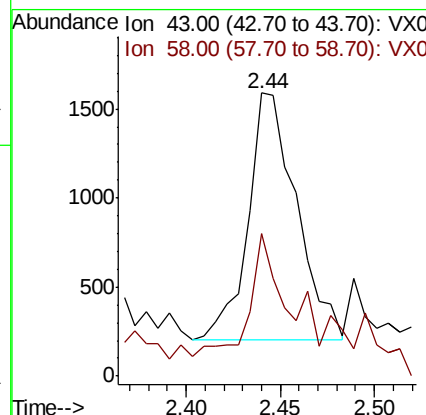
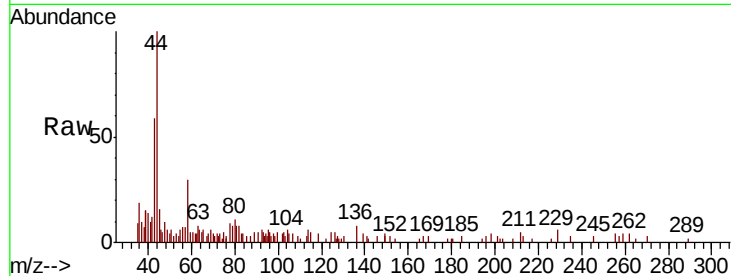




#16
Acetone
Concen: 0.836 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

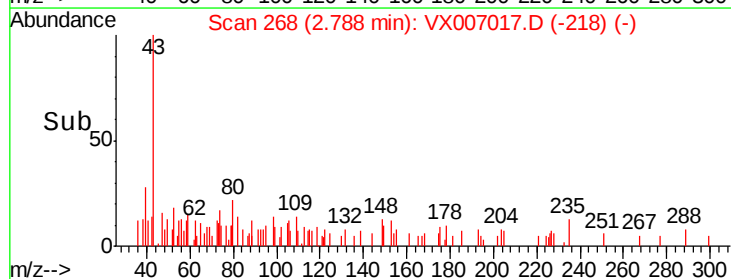
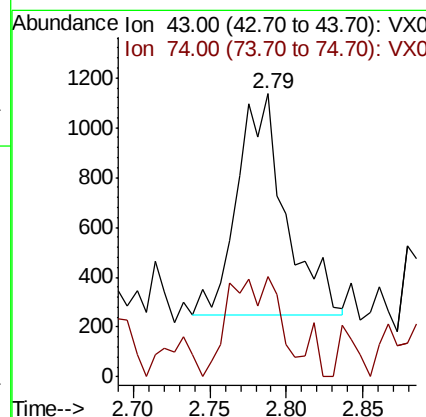
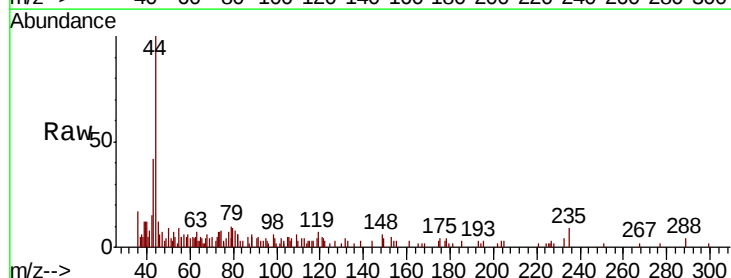
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

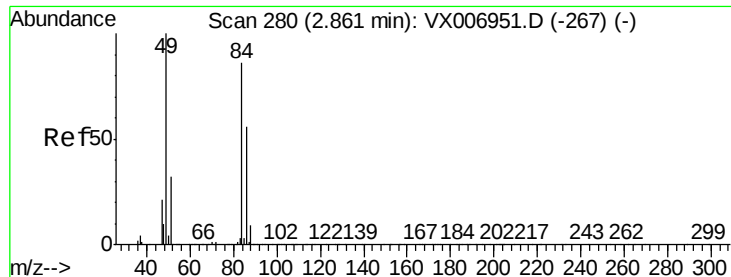
Tgt Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
58 50.1 25.0 37.6#



#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
74 47.7 18.6 28.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

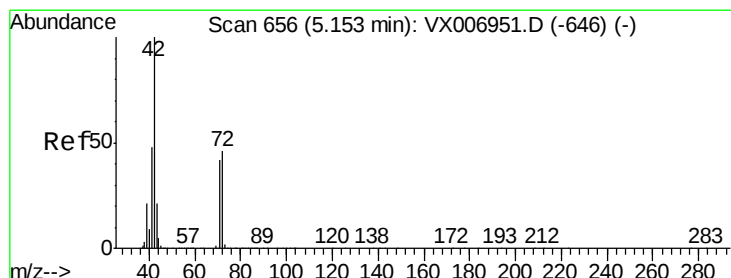
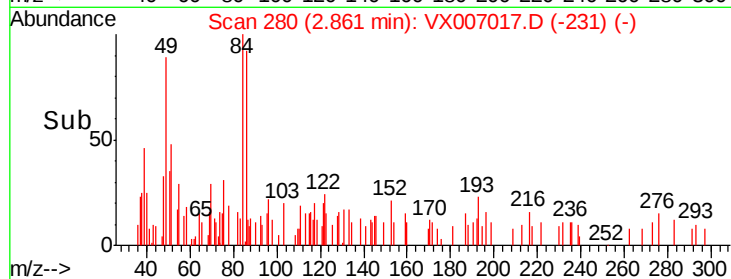
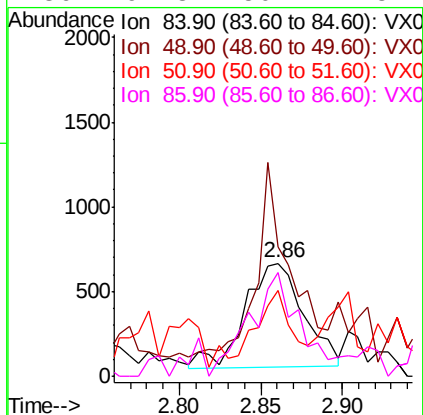
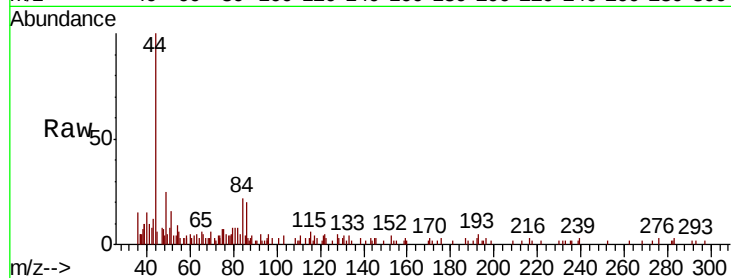
Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tgt Ion:	84	Resp:	1521
Ion	Ratio	Lower	Upper
84	100		
49	115.8	91.8	137.6
51	30.3	28.5	42.7
86	97.8	50.2	75.2#



#29

Tetrahydrofuran

Concen: 0.339 ug/l

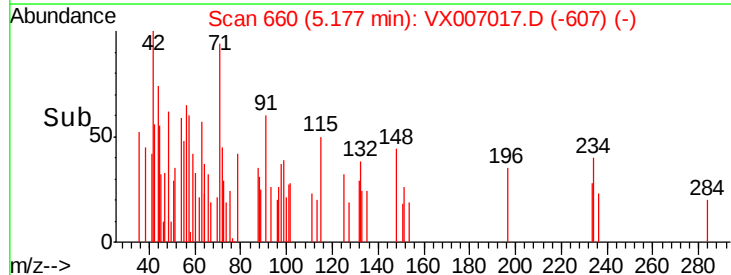
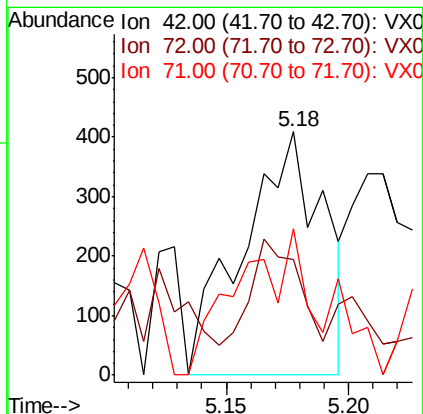
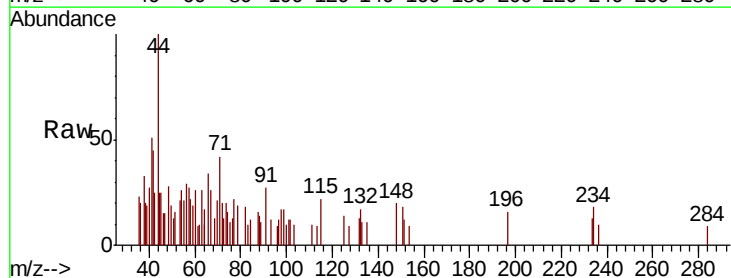
RT: 5.18 min Scan# 660

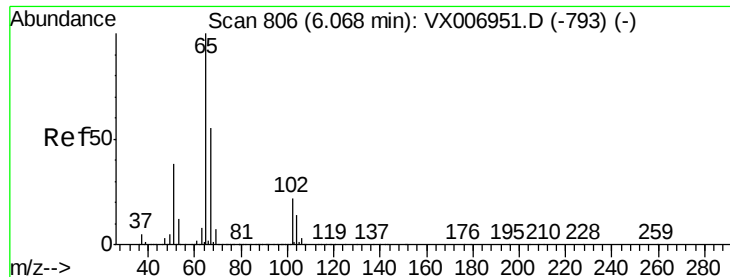
Delta R.T. 0.02 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Tgt Ion:	42	Resp:	935
Ion	Ratio	Lower	Upper
42	100		
72	38.8	38.9	58.3#
71	33.9	36.2	54.4#





#33

1,2-Dichloroethane-d4

Concen: 51.027 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

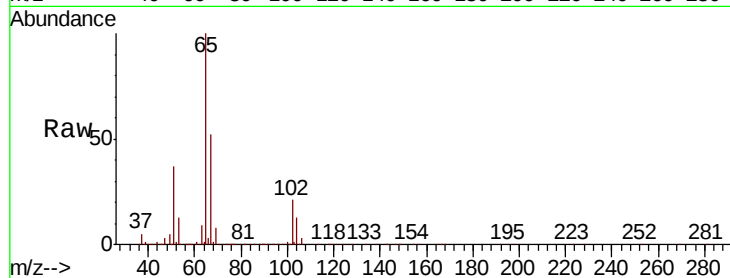
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 305965

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

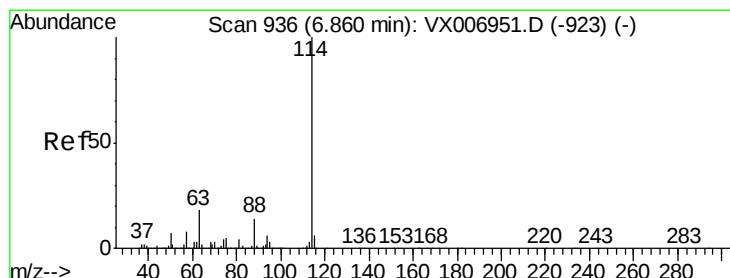
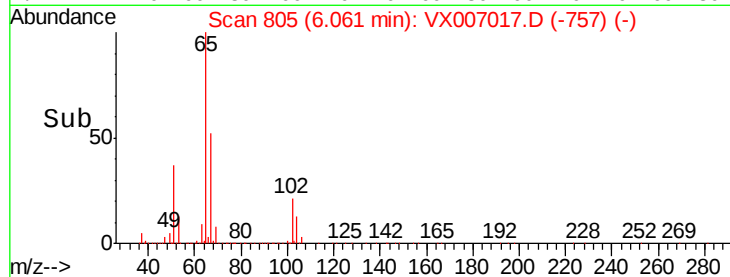
6.06

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

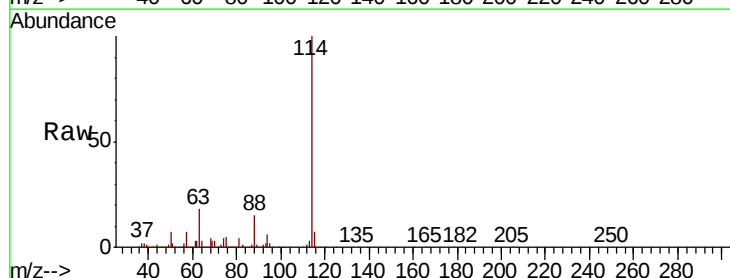
Tgt Ion: 114 Resp: 894404

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.7 0.0 28.8



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

500000

400000

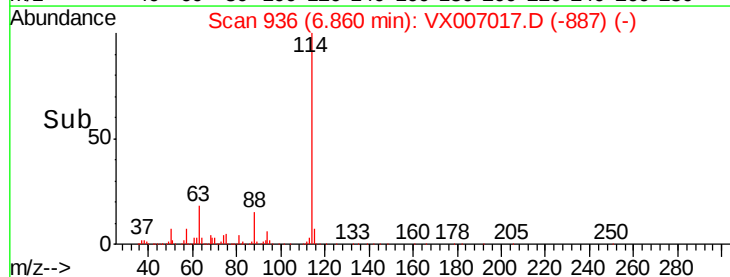
300000

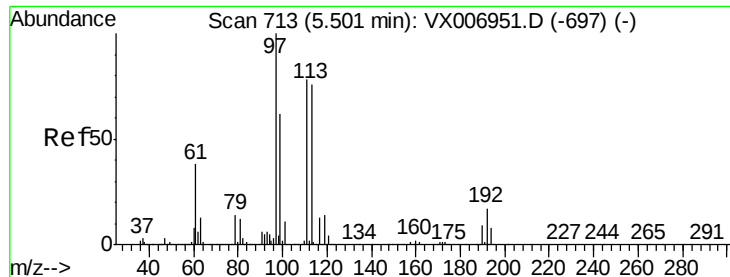
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.841 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

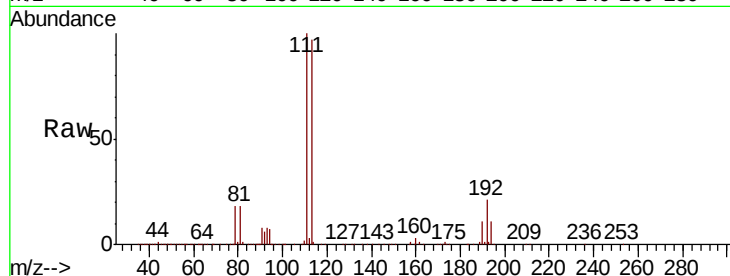
Tgt Ion:113 Resp: 274021

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

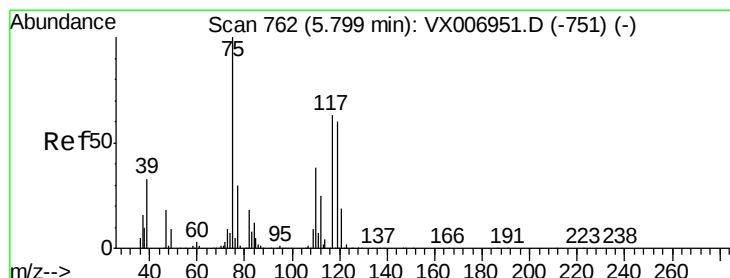
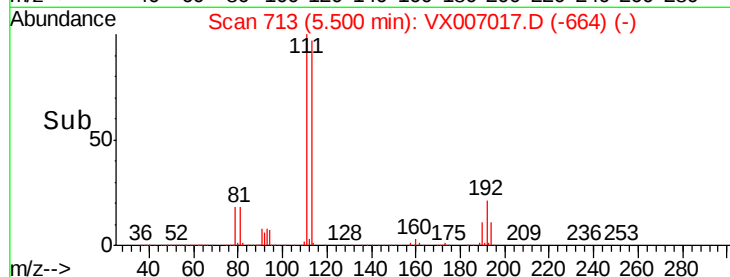
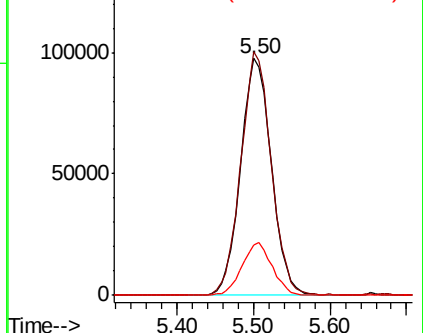
192 21.8 16.7 25.1



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: 4.639 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

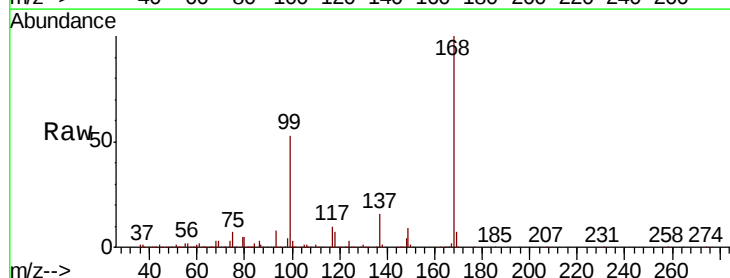
Tgt Ion: 75 Resp: 36077

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

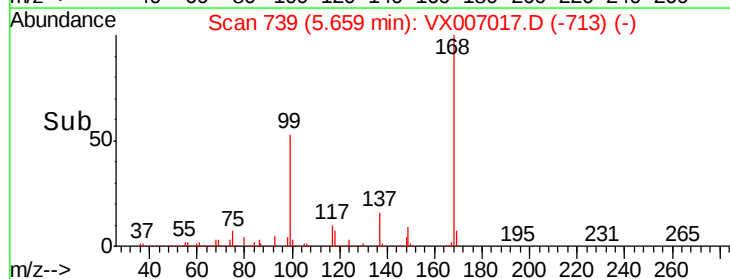
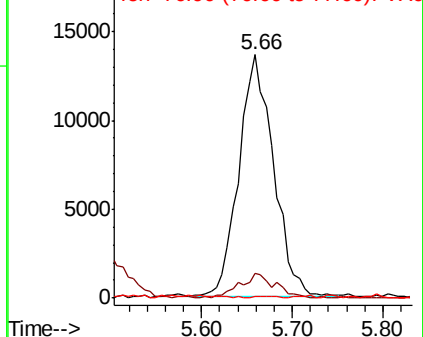
77 0.5 24.8 37.2#

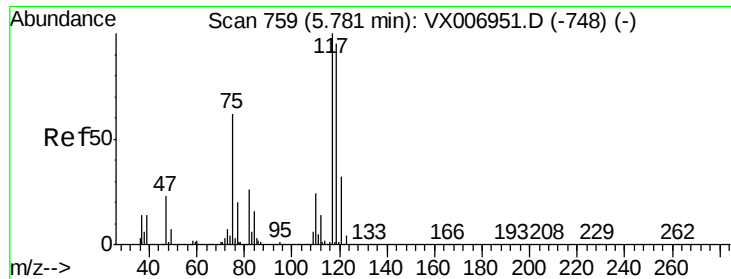


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

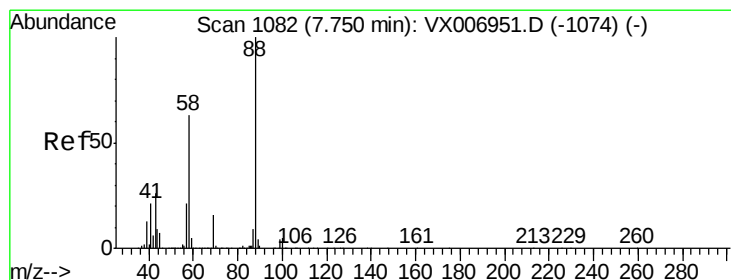
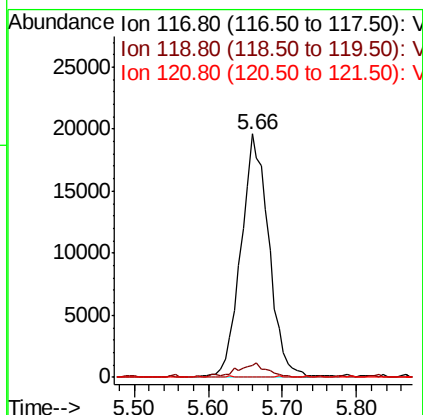
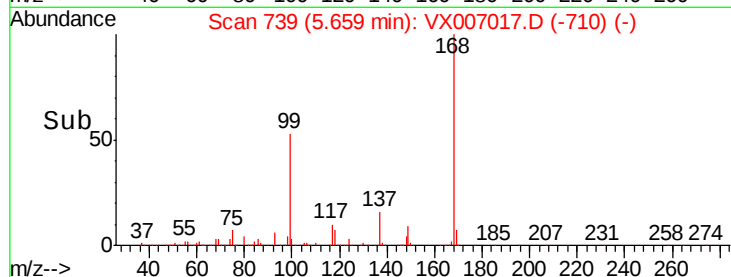
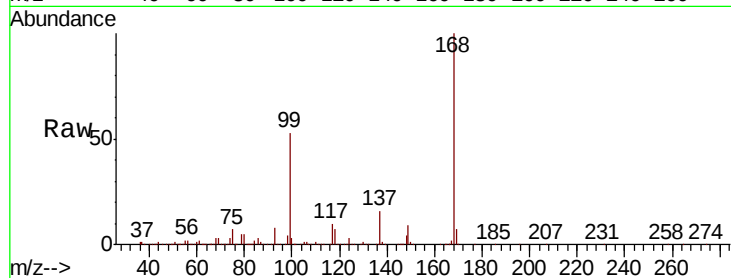
Tgt Ion: 117 Resp: 51622

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

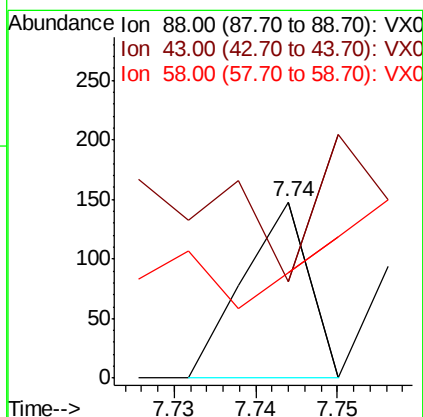
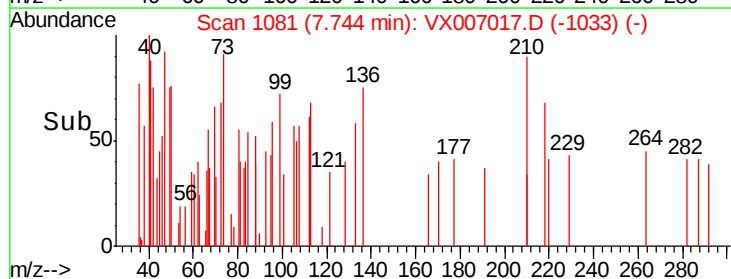
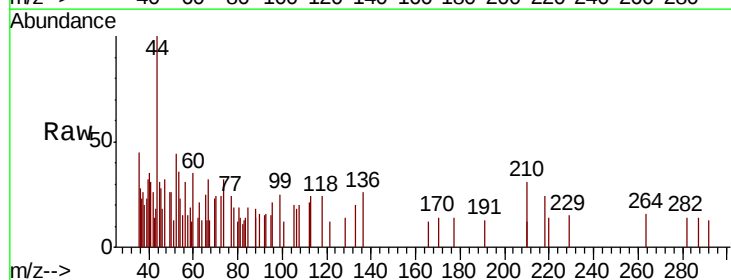
Tgt Ion: 88 Resp: 83

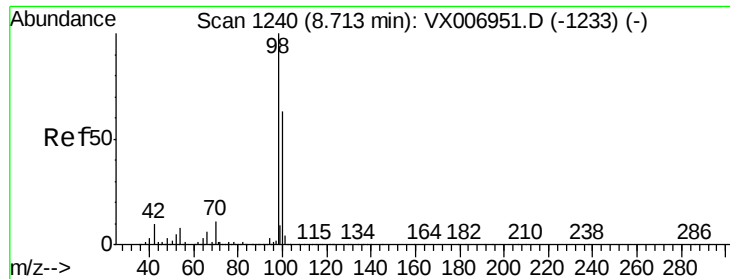
Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 0.0 51.0 76.4#

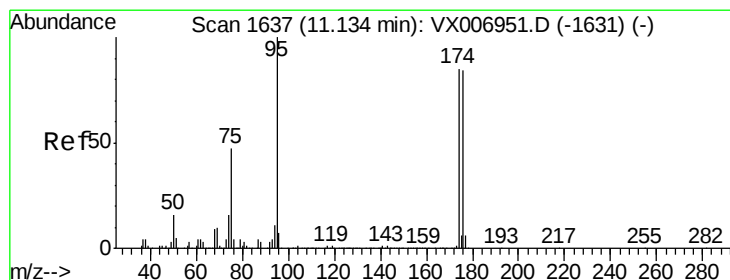
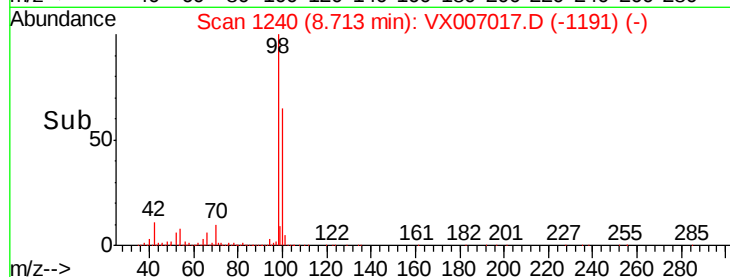
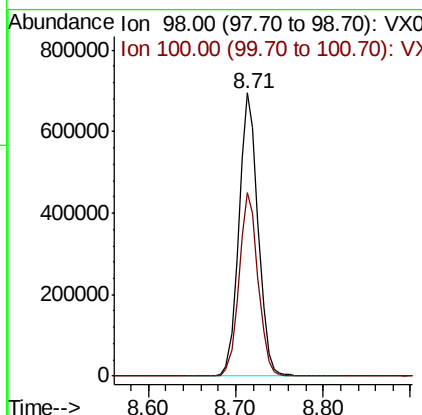
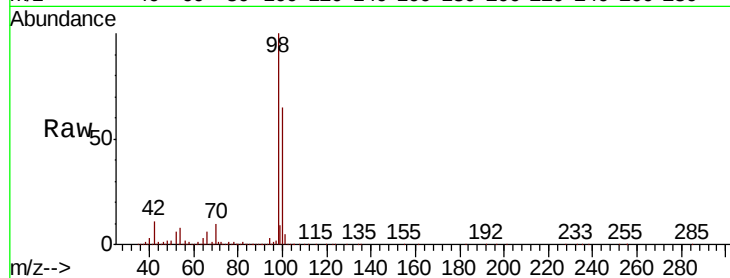




#50
Toluene-d8
Concen: 50.642 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

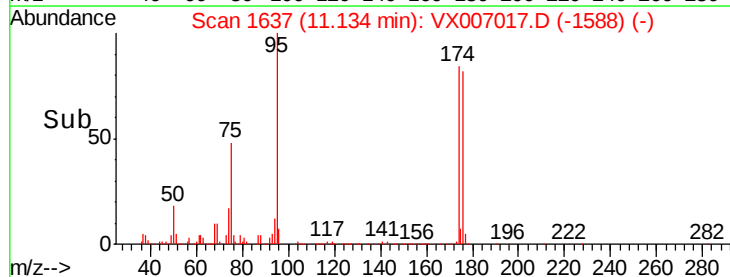
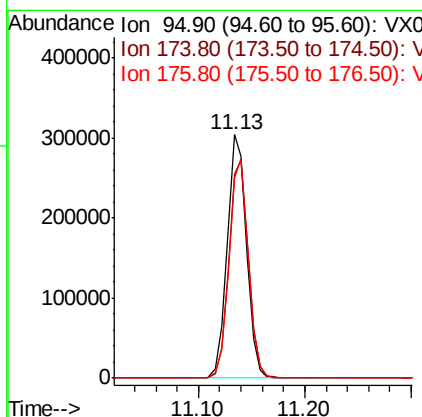
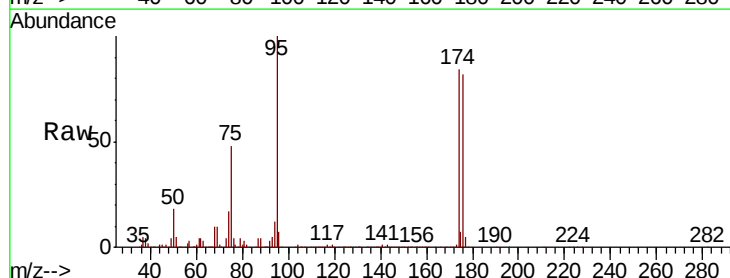
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

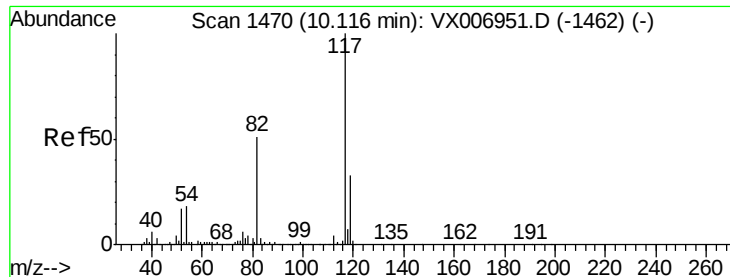
Tgt Ion: 98 Resp: 1061727
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.957 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

Tgt Ion: 95 Resp: 387062
Ion Ratio Lower Upper
95 100
174 90.7 0.0 182.2
176 89.5 0.0 178.8

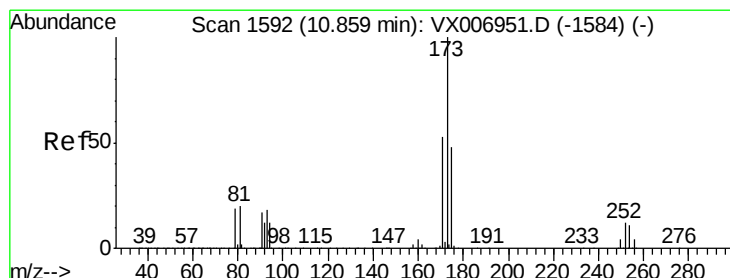
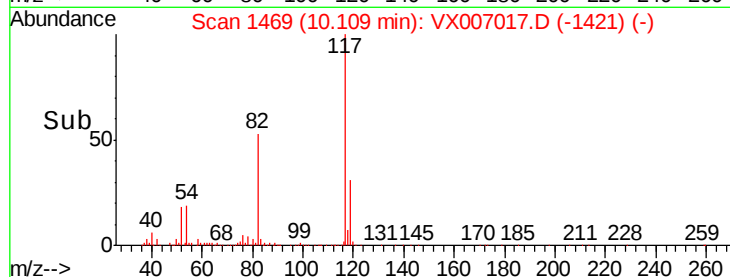
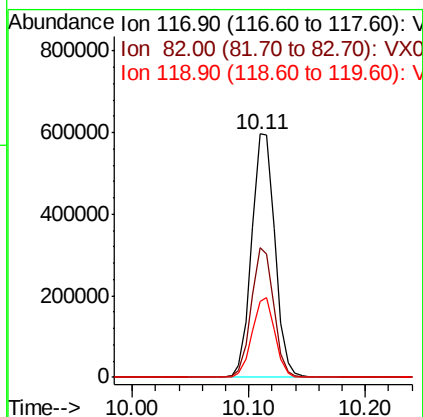
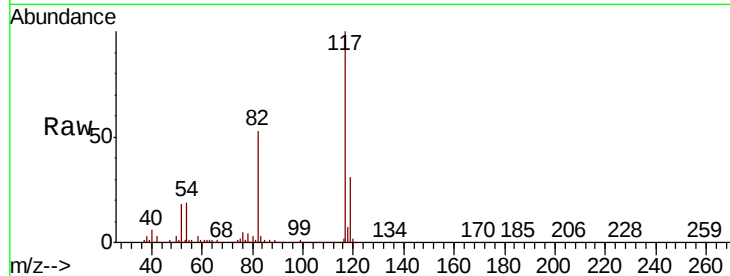




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

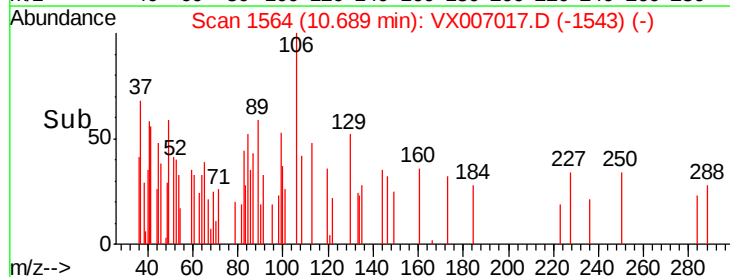
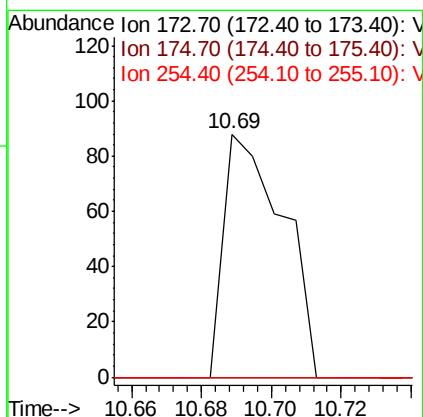
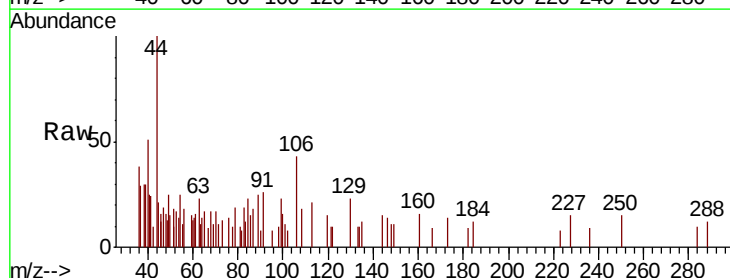
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

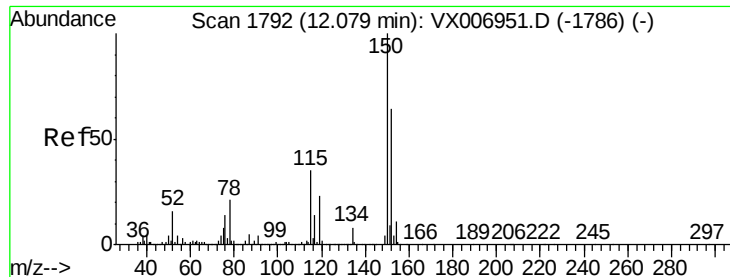
Tgt Ion:117 Resp: 835208
Ion Ratio Lower Upper
117 100
82 53.1 41.0 61.6
119 31.2 25.4 38.0



#71
Bromoform
Concen: 4.745 ug/l
RT: 10.69 min Scan# 1564
Delta R.T. -0.17 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

Tgt Ion:173 Resp: 104
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

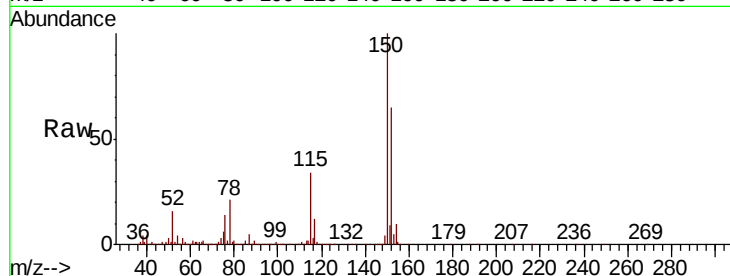
Tgt Ion: 152 Resp: 413883

Ion Ratio Lower Upper

152 100

115 54.6 39.1 117.2

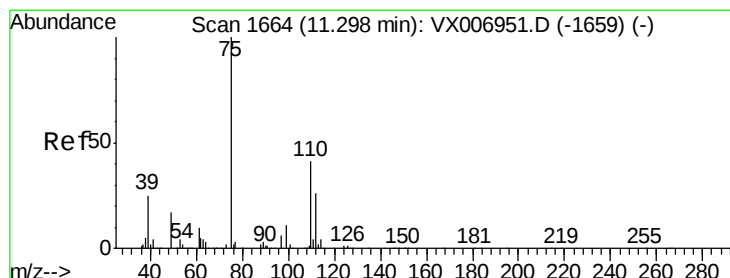
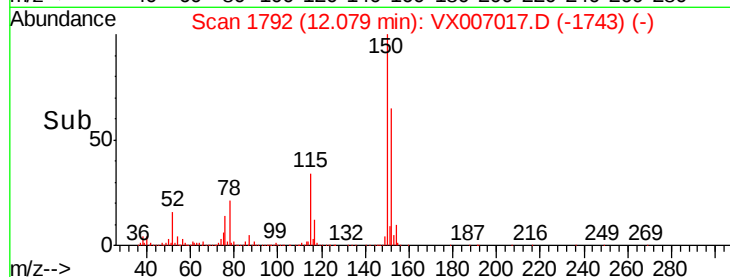
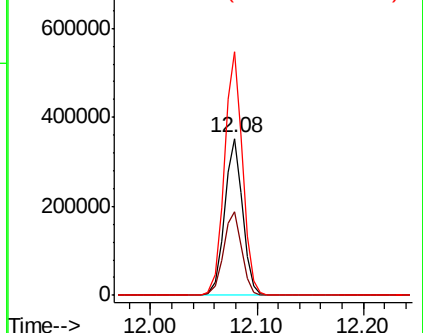
150 157.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007017.D

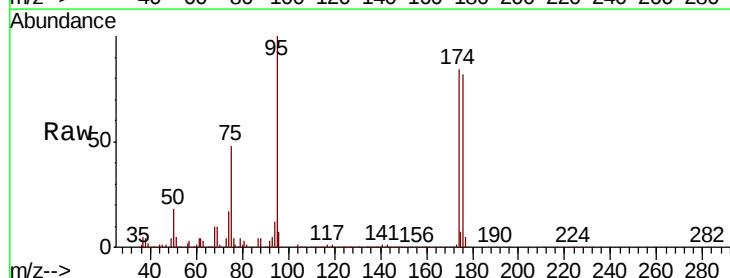
Acq: 11 Jan 2019 16:50

Tgt Ion: 75 Resp: 182685

Ion Ratio Lower Upper

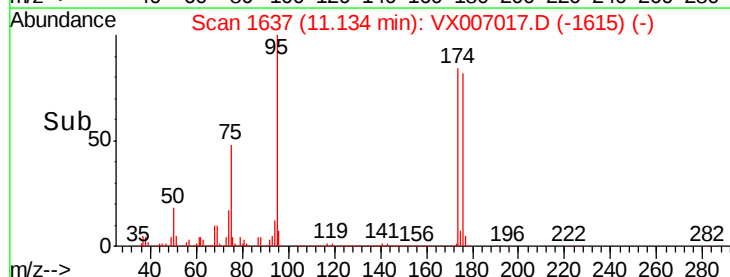
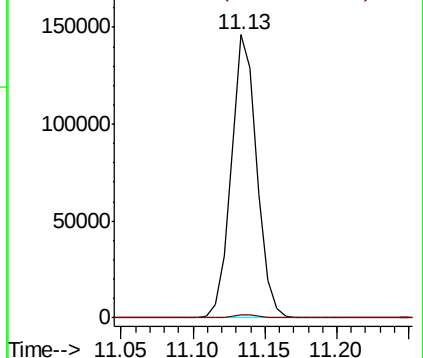
75 100

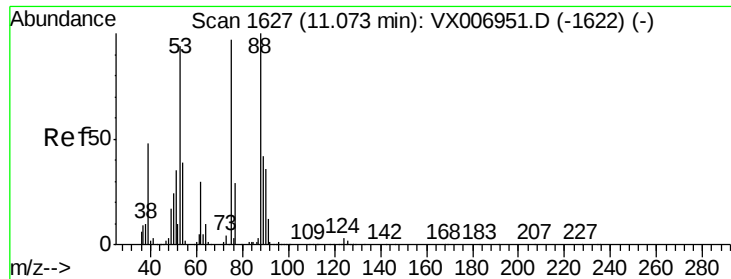
77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

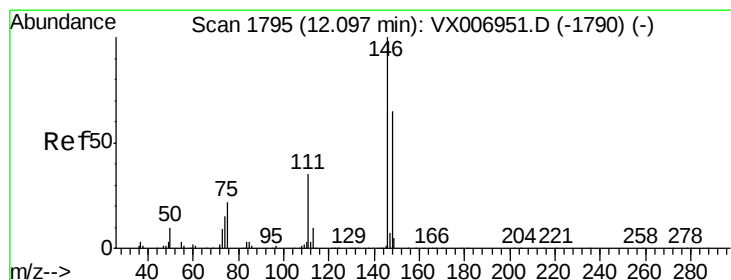
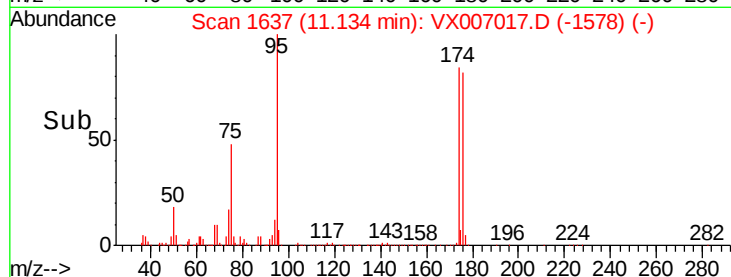
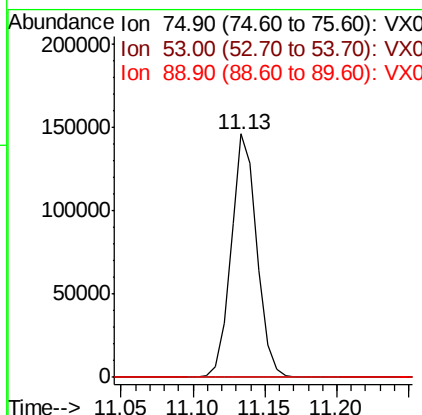
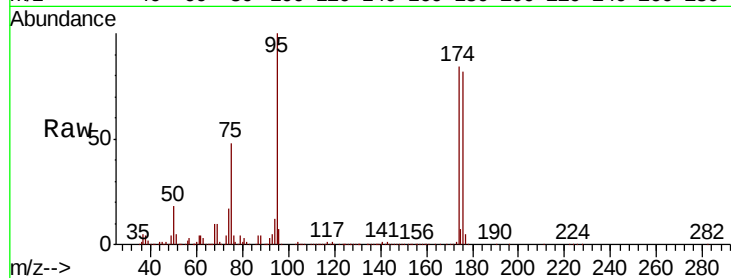




#81
trans-1,4-Dichloro-2-butene
Concen: 64.543 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

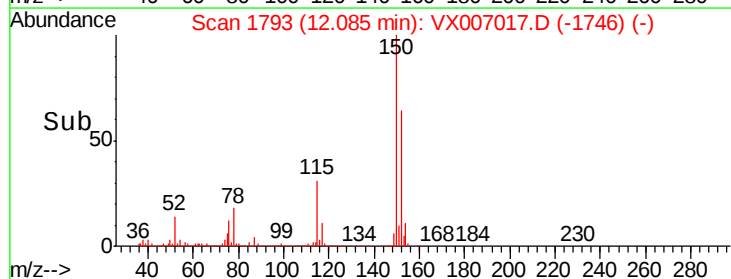
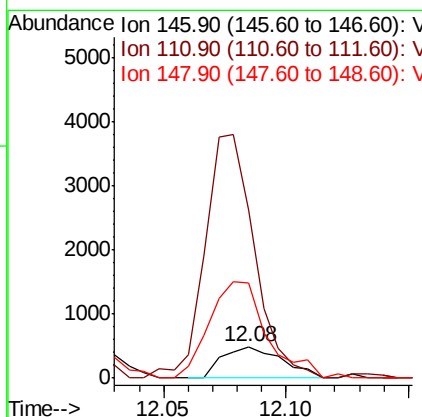
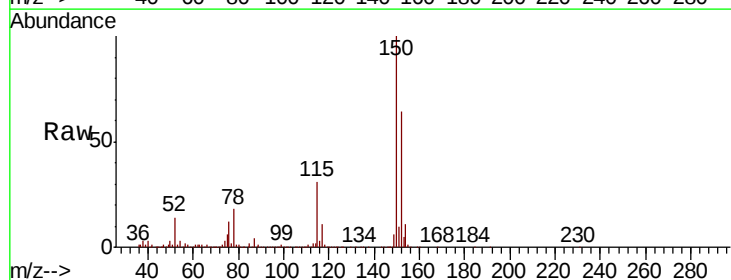
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

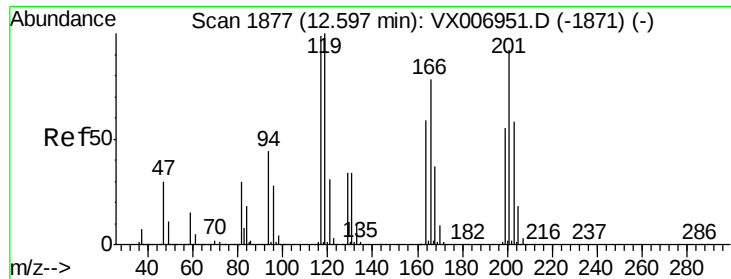
Tgt Ion: 75 Resp: 182685
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.1 38.0 57.0#



#88
1,4-Dichlorobenzene
Concen: 0.205 ug/l
RT: 12.08 min Scan# 1793
Delta R.T. -0.01 min
Lab File: VX007017.D
Acq: 11 Jan 2019 16:50

Tgt Ion: 146 Resp: 833
Ion Ratio Lower Upper
146 100
111 640.1 18.1 54.1#
148 296.3 31.9 95.9#





#90

Hexachloroethane

Concen: 2.922 ug/l

RT: 12.85 min Scan# 1918

Delta R.T. 0.25 min

Lab File: VX007017.D

Acq: 11 Jan 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

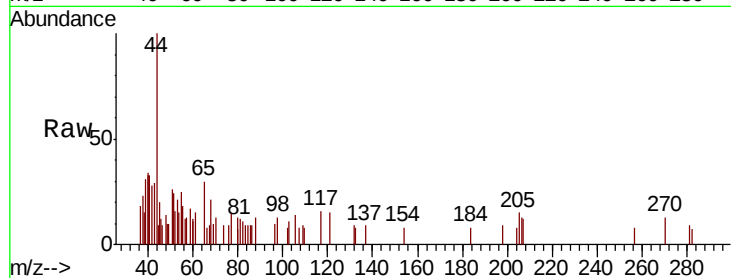
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 59

Ion Ratio Lower Upper

117 100

201 69.5 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

