

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007263.D
 Acq On : 28 Jan 2019 16:25
 Operator : JC/SP
 Sample : K1244-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 29 00:18:36 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	541247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	833897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	796117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	393370	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	291640	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	5.50	113	263373	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	1009014	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.13	95	359189	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	

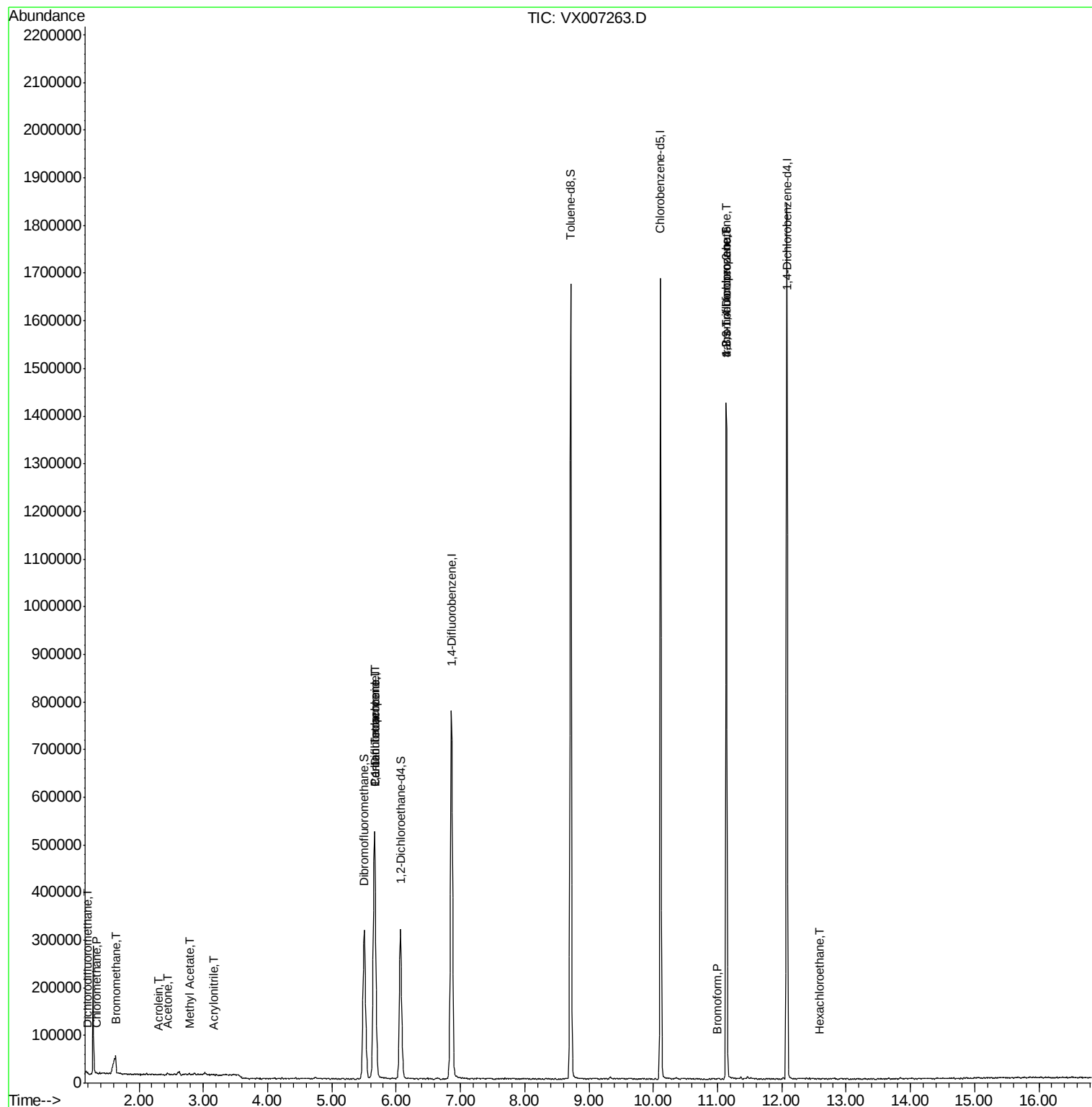
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	898	0.202	ug/l	98
3) Chloromethane	1.33	50	1049	0.203	ug/l	100
5) Bromomethane	1.65	94	2406	0.405	ug/l #	59
13) Acrolein	2.29	56	331	3.652	ug/l #	74
15) Acrylonitrile	3.16	53	860	0.281	ug/l #	87
16) Acetone	2.45	43	3820	1.366	ug/l #	85
18) Methyl Acetate	2.78	43	2350	0.290	ug/l	96
20) Methylene Chloride	2.86	84	2045	Below Cal	#	83
36) 1,1-Dichloropropene	5.66	75	34934	4.818	ug/l #	48
38) Carbon Tetrachloride	5.66	117	48360	6.630	ug/l #	14
49) 1,4-Dioxane	7.74	88	96	Below Cal	#	78
71) Bromoform	11.00	173	120	4.748	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	173307	21.741	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	173307	64.430	ug/l #	10
90) Hexachloroethane	12.59	117	20	2.913	ug/l	74

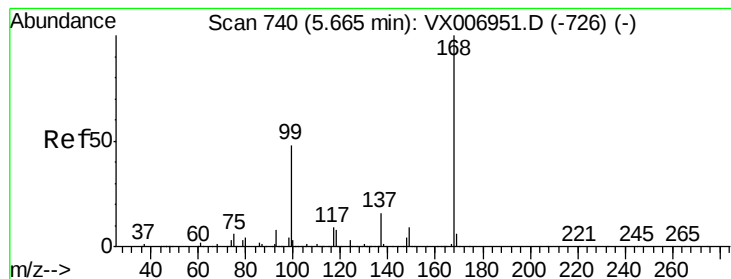
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007263.D

Acq: 28 Jan 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

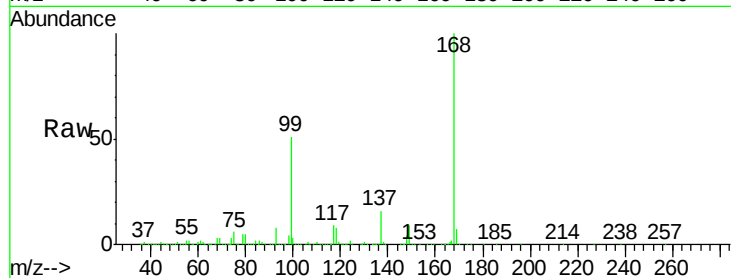
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 541247

Ion Ratio Lower Upper

168 100

99 50.9 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

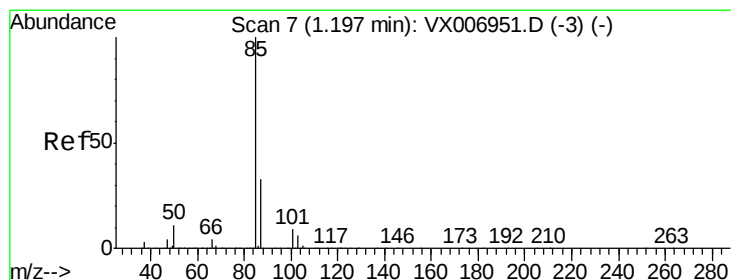
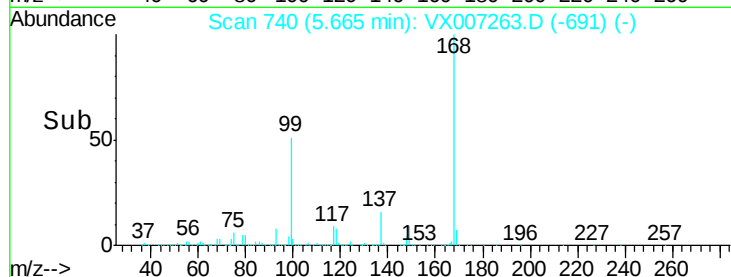
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.202 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007263.D

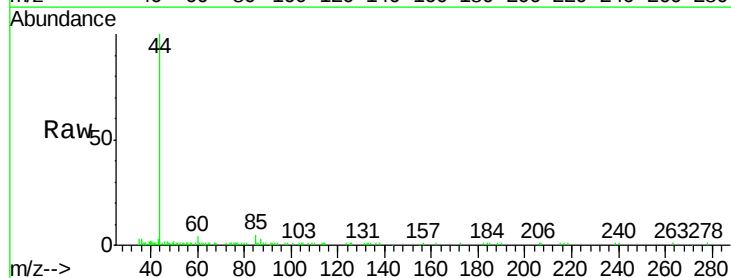
Acq: 28 Jan 2019 16:25

Tgt Ion: 85 Resp: 898

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

600

500

400

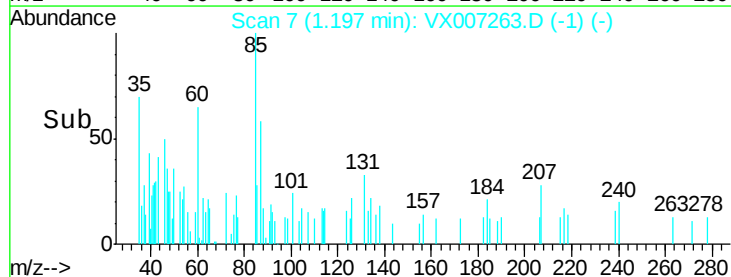
300

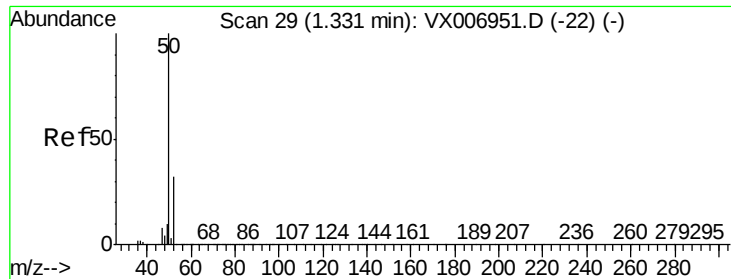
200

100

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

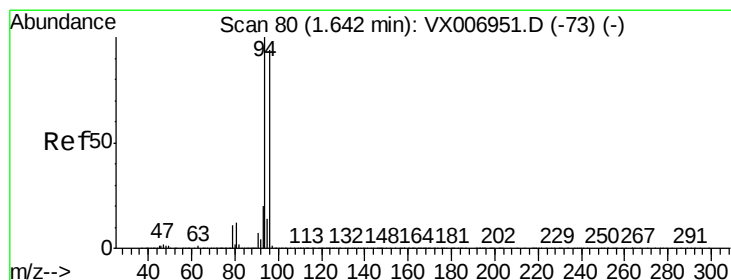
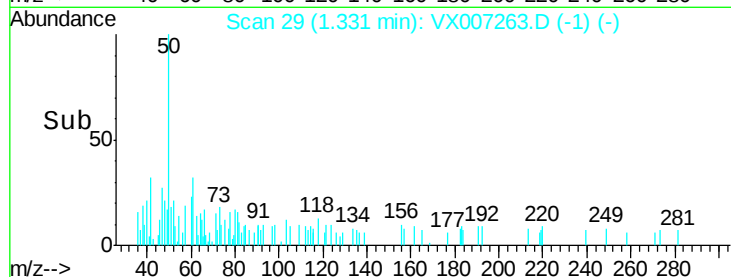
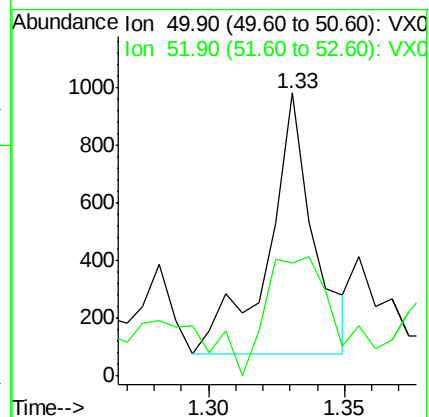
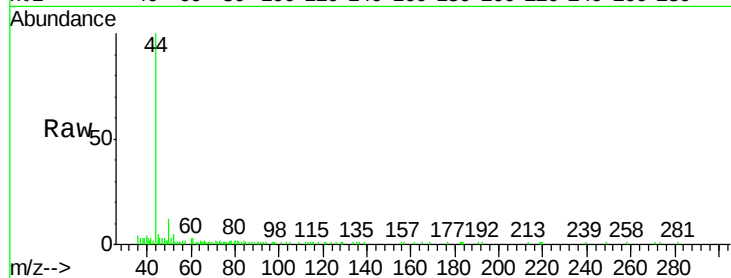
STORAGE-BLANK-WATER-REF-4

Tot Ion: 50 Resp: 1049

Ion Ratio Lower Upper

50 100

52 31.6 25.4 38.2



#5

Bromomethane

Concen: 0.405 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007263.D

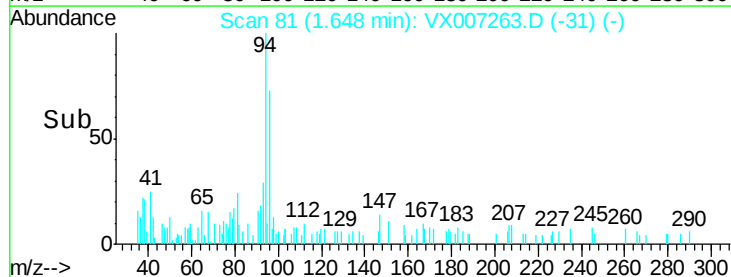
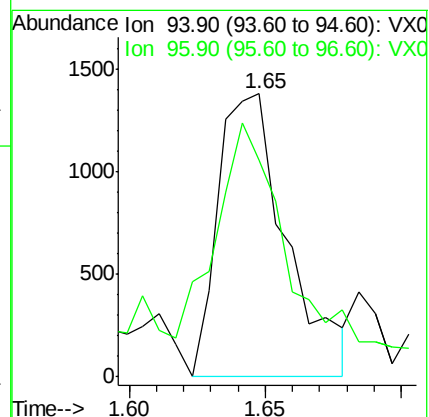
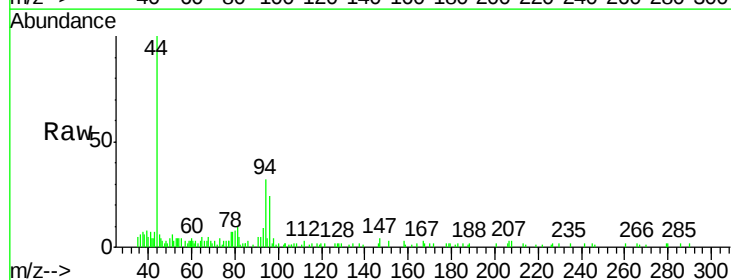
Acq: 28 Jan 2019 16:25

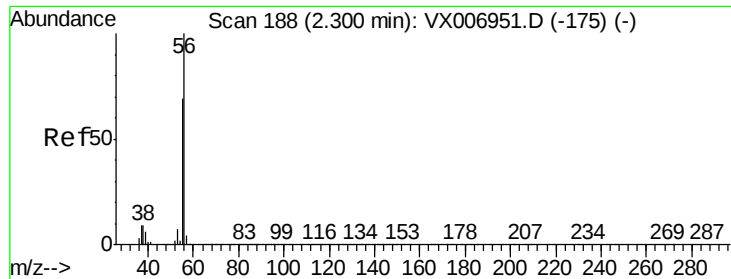
Tgt Ion: 94 Resp: 2406

Ion Ratio Lower Upper

94 100

96 52.8 73.4 110.2#

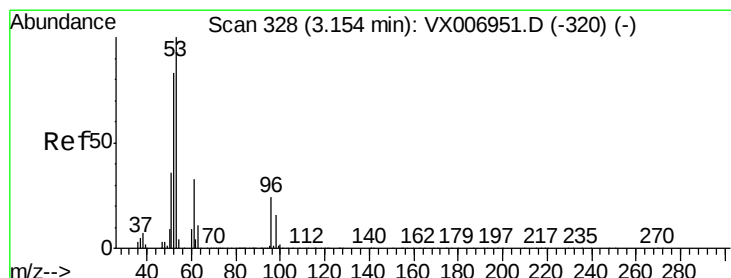
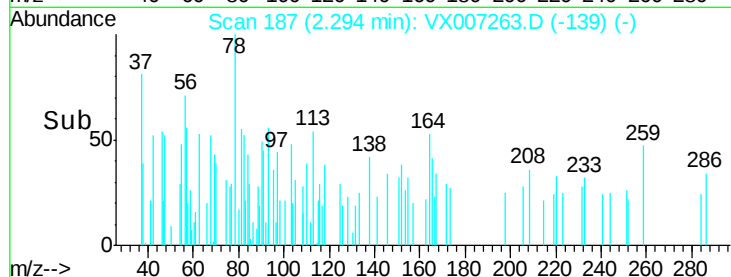
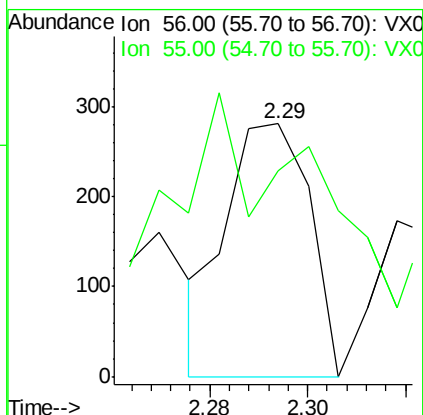
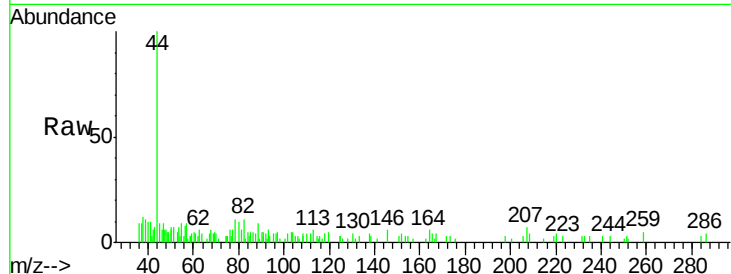




#13
Acrolein
Concen: 3.652 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

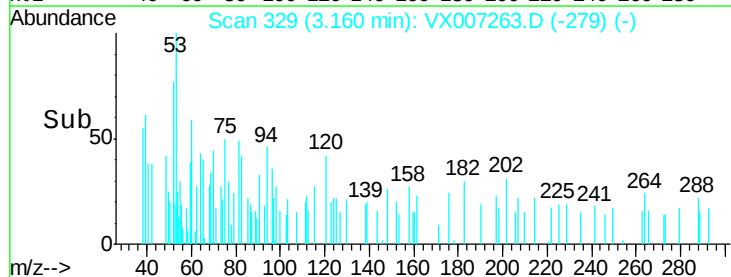
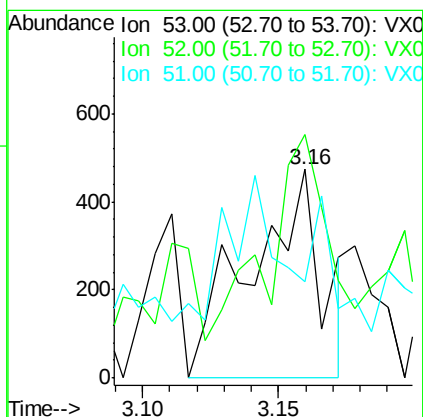
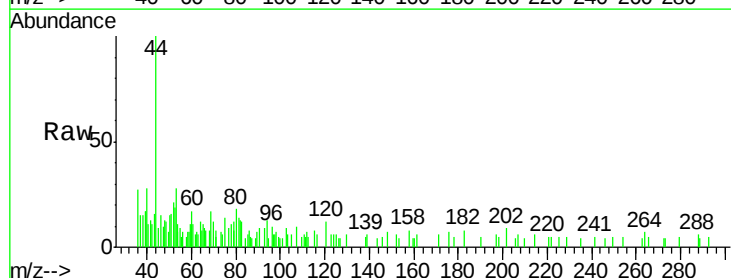
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

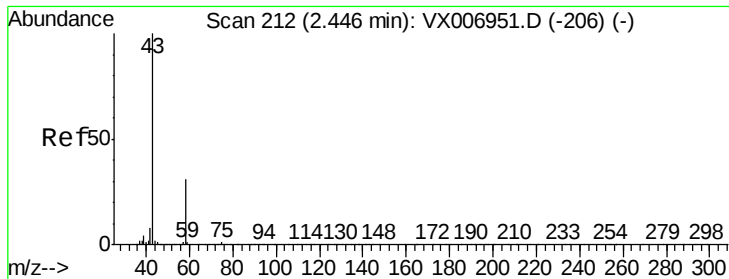
Tot Ion: 56 Resp: 331
Ion Ratio Lower Upper
56 100
55 94.9 58.2 87.4#



#15
Acrylonitrile
Concen: 0.281 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.01 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 53 Resp: 860
Ion Ratio Lower Upper
53 100
52 79.8 66.0 99.0
51 57.6 28.6 42.8#

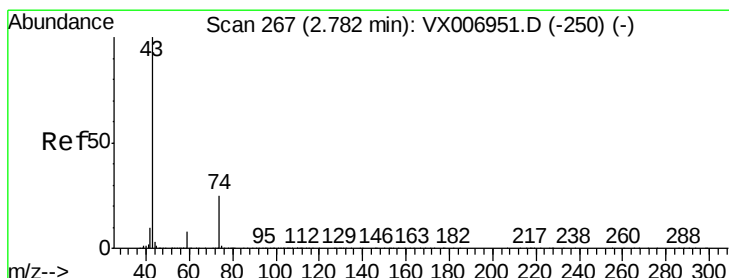
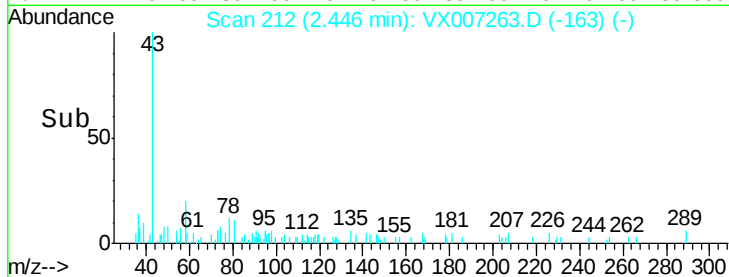
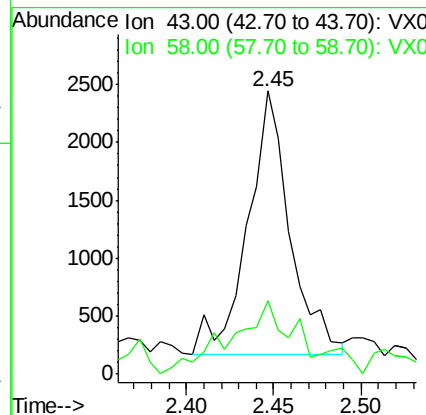
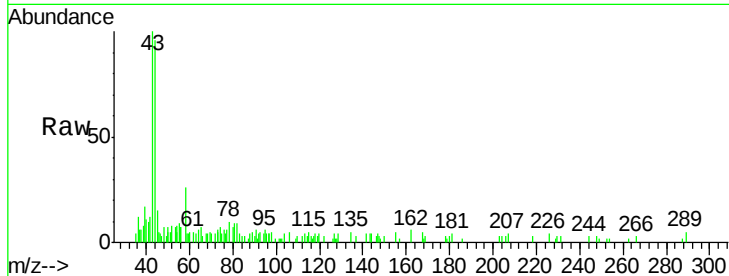




#16
Acetone
Concen: 1.366 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

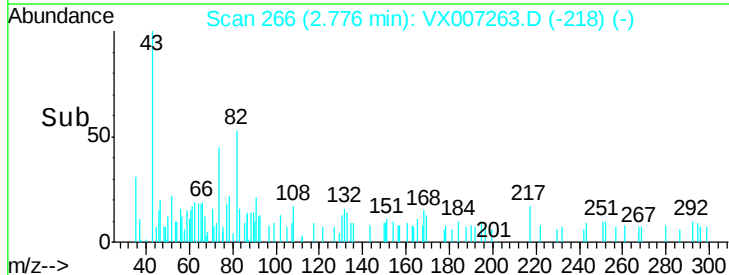
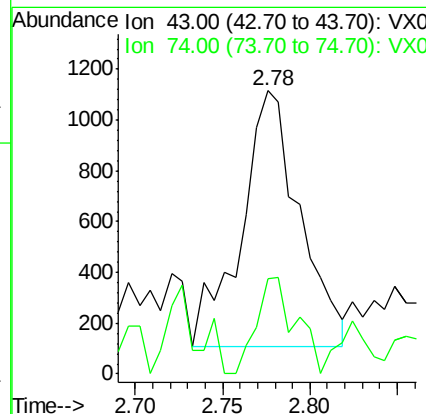
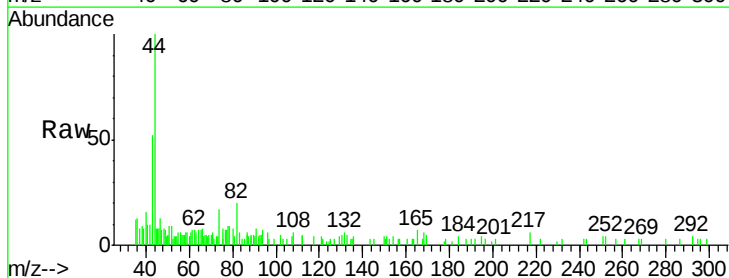
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

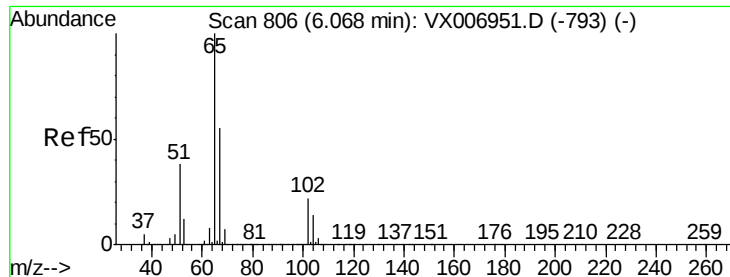
Tot Ion: 43 Resp: 3820
Ion Ratio Lower Upper
43 100
58 23.1 25.0 37.6#



#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
74 25.3 18.6 28.0





#33

1,2-Dichloroethane-d4

Concen: 51.558 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

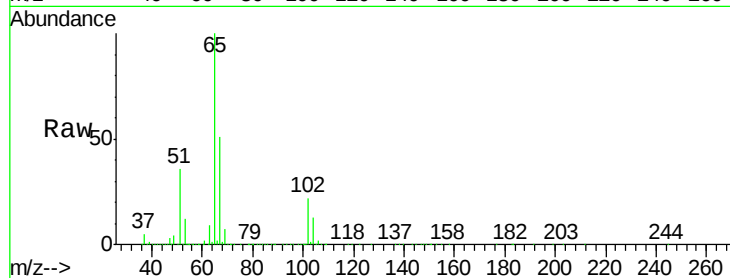
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 291640

Ion Ratio Lower Upper

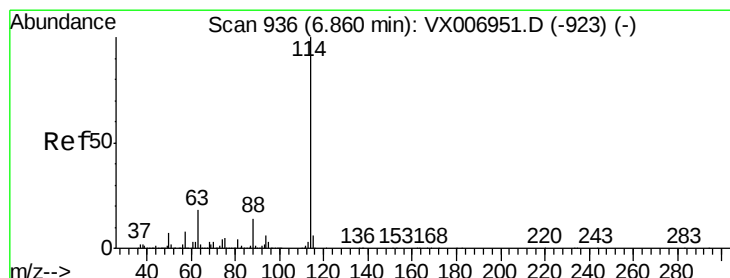
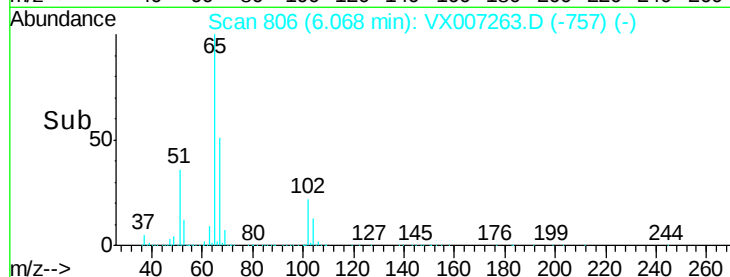
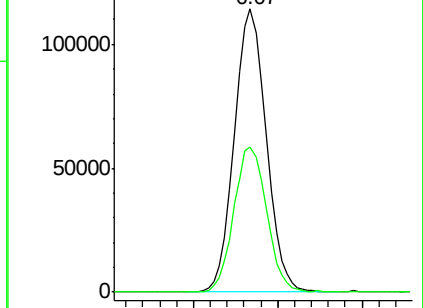
65 100

67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

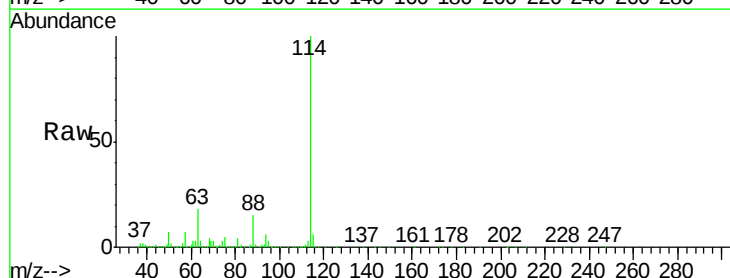
Tgt Ion: 114 Resp: 833897

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

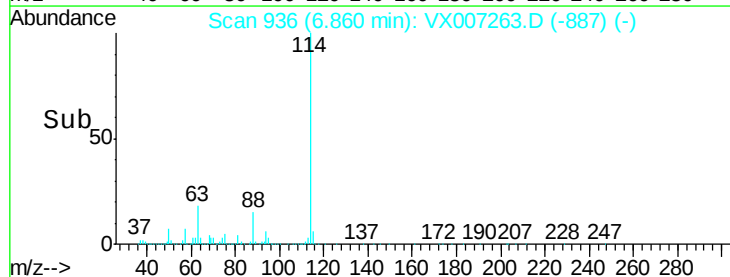
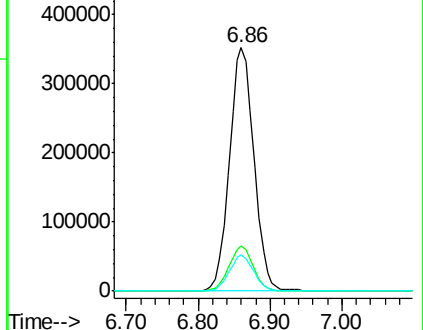
88 14.8 0.0 28.8

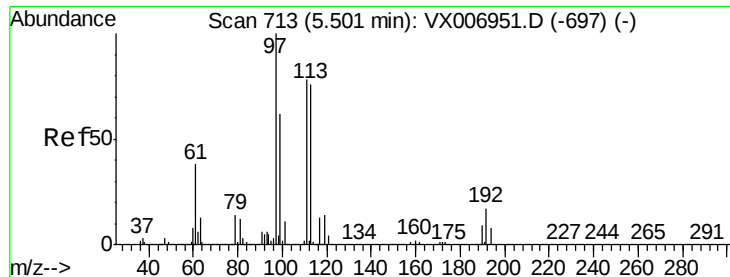


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.319 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

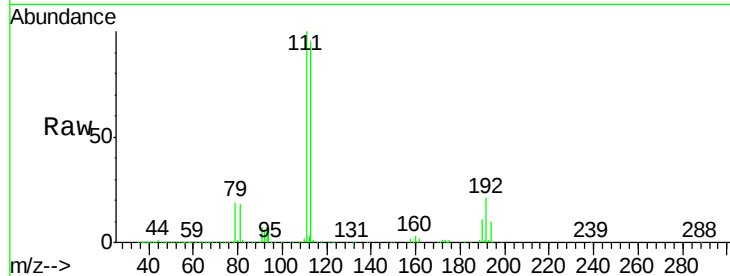
Tot Ion:113 Resp: 263373

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

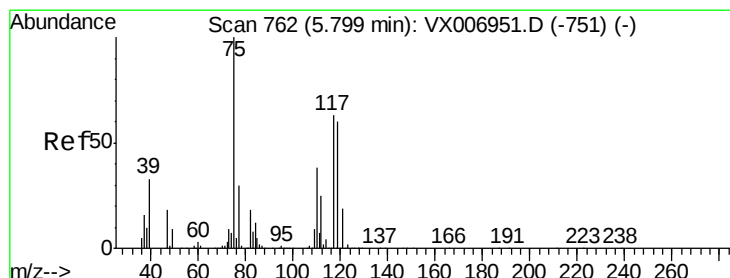
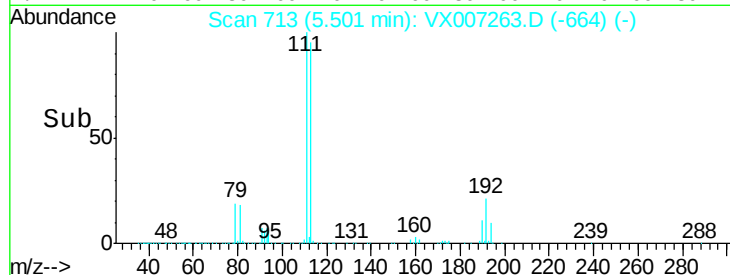
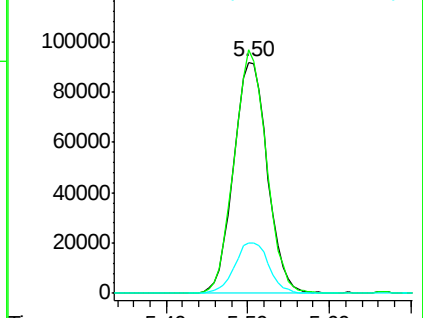
192 22.2 16.7 25.1



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: 4.818 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

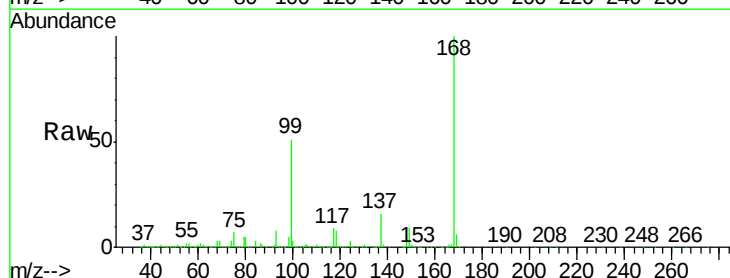
Tgt Ion: 75 Resp: 34934

Ion Ratio Lower Upper

75 100

110 10.3 20.2 60.5#

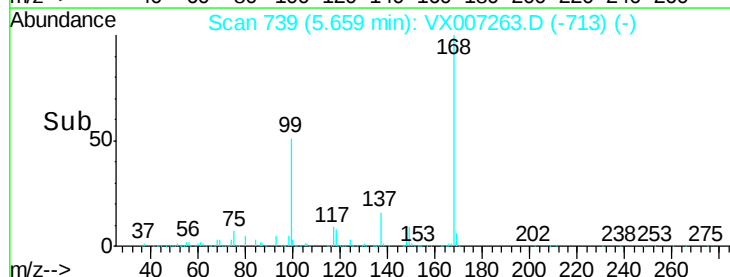
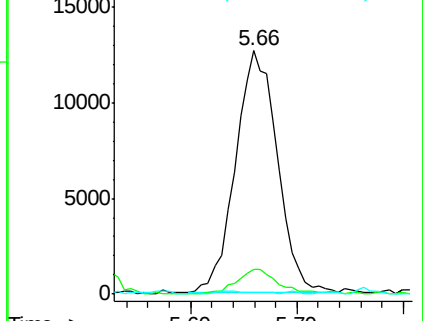
77 0.0 24.8 37.2#

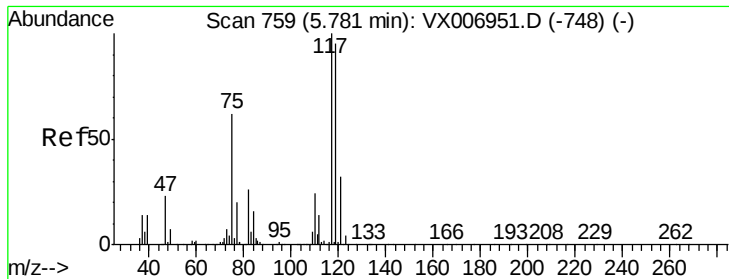


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.630 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

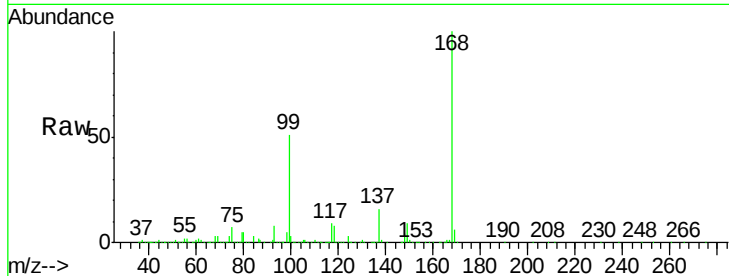
Tot Ion:117 Resp: 48360

Ion Ratio Lower Upper

117 100

119 3.7 79.4 119.2#

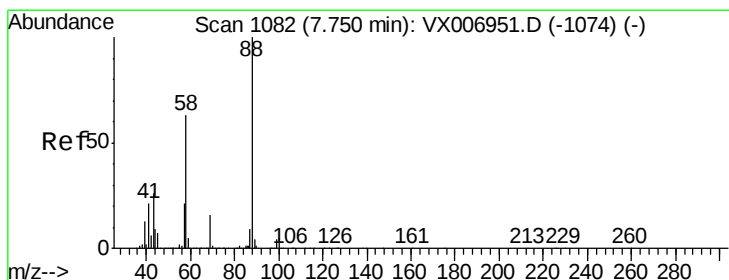
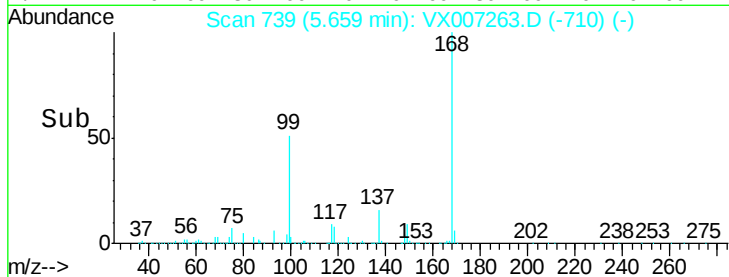
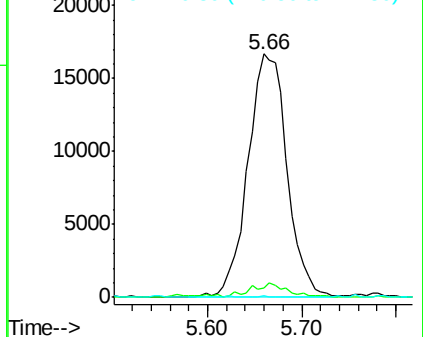
121 0.8 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

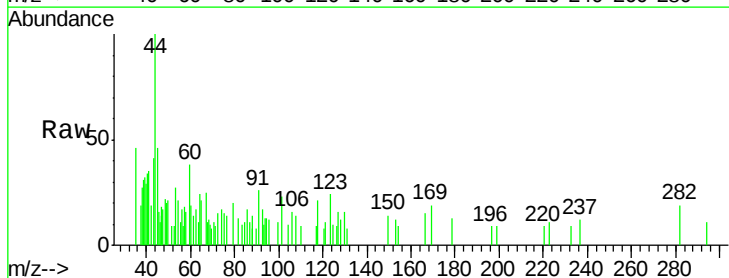
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

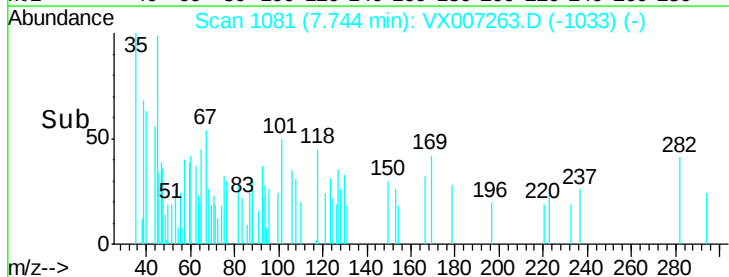
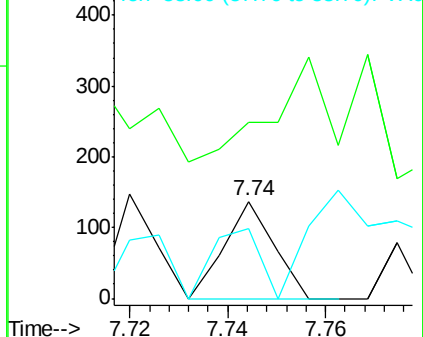
58 69.8 51.0 76.4

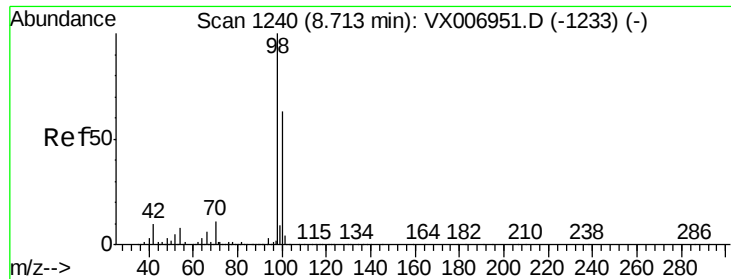


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

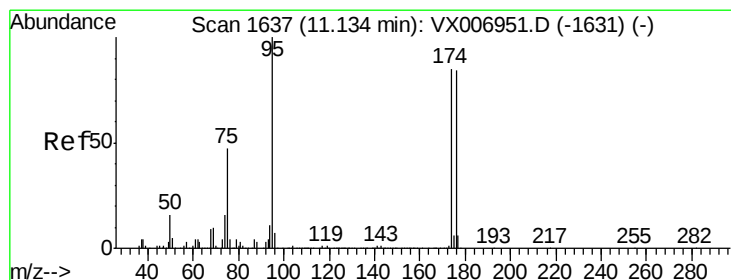
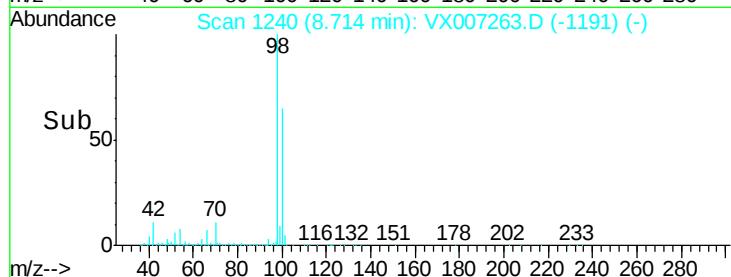
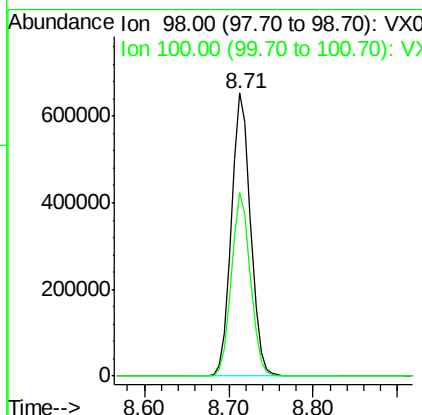
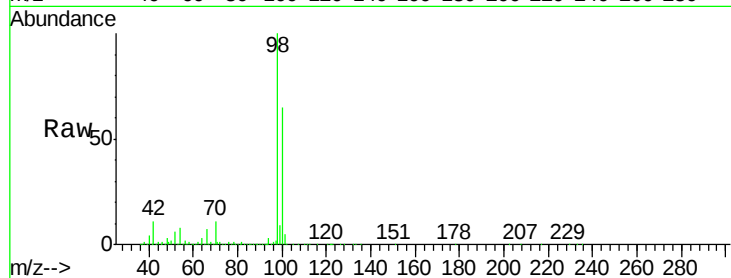




#50
Toluene-d8
Concen: 51.620 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

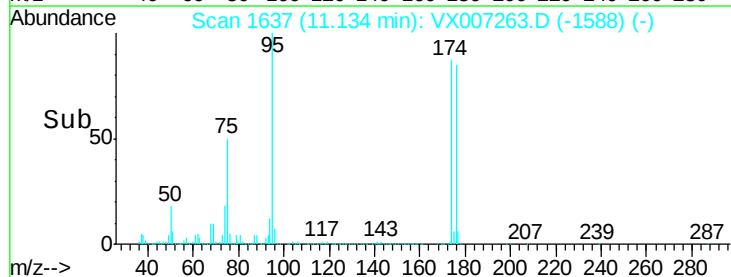
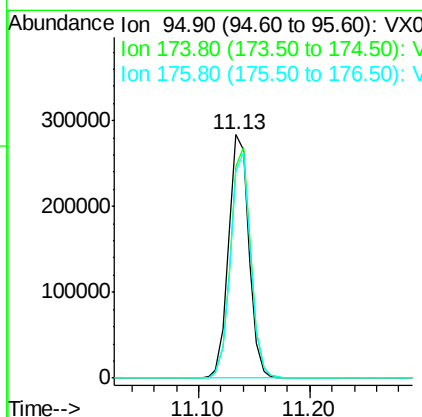
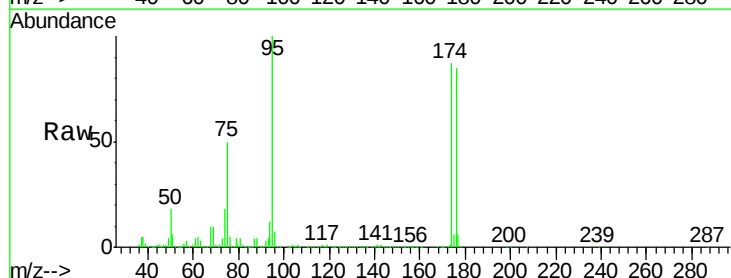
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

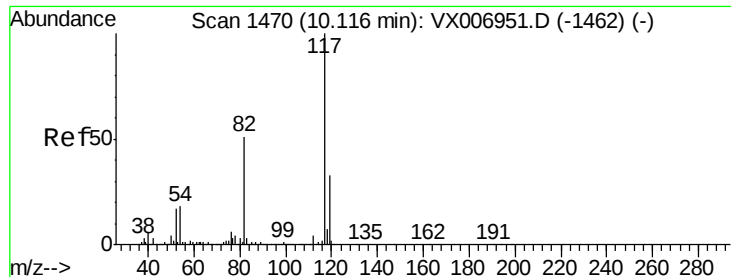
Tot Ion: 98 Resp: 1009014
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.709 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 95 Resp: 359189
Ion Ratio Lower Upper
95 100
174 93.7 0.0 182.2
176 91.5 0.0 178.8

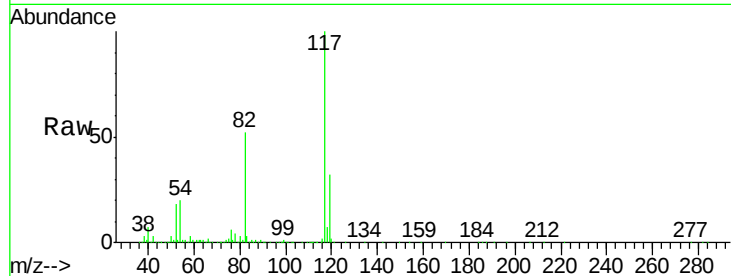




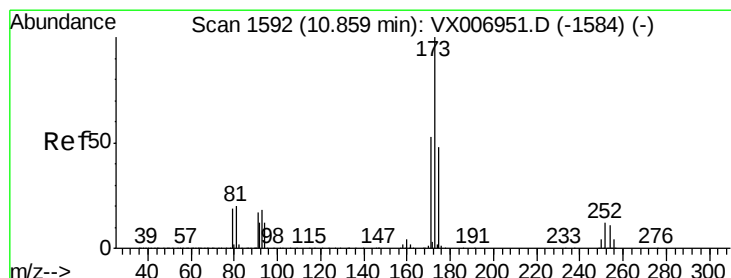
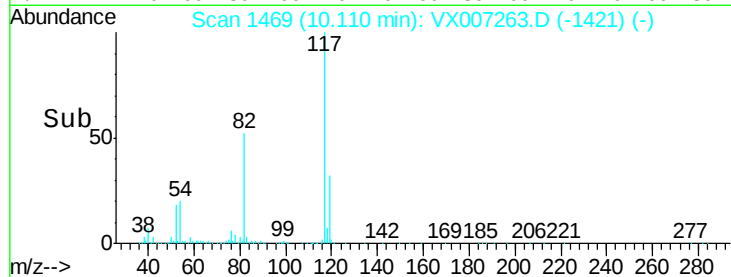
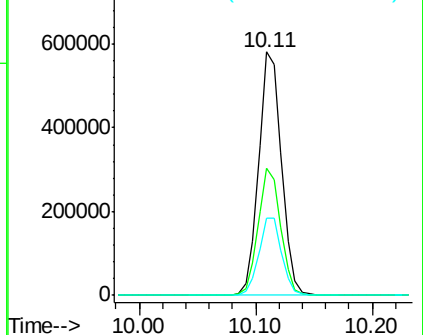
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.0	61.6
119	31.7	25.4	38.0

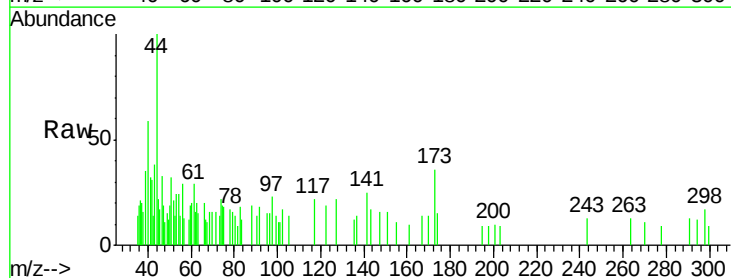


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

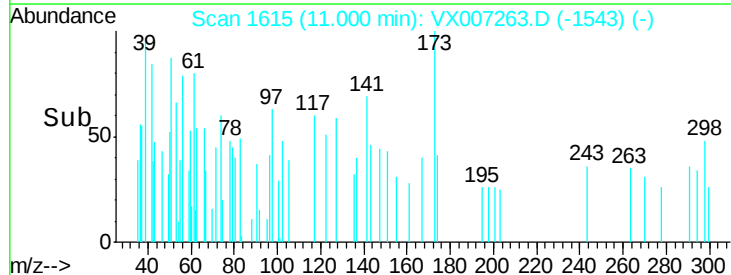
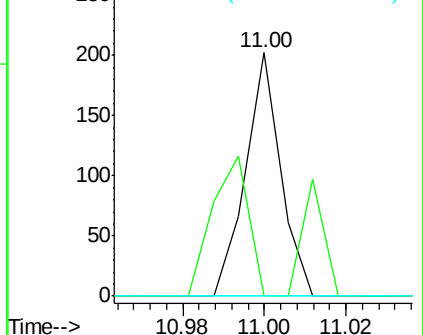


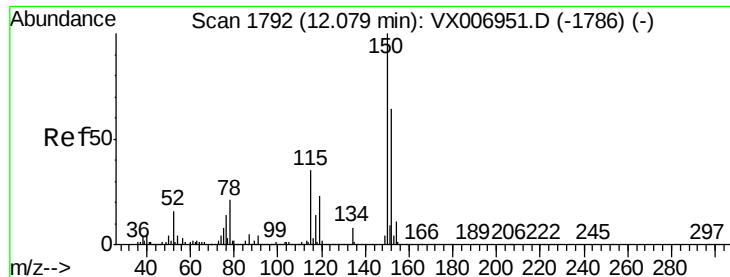
#71
Bromoform
Concen: 4.748 ug/l
RT: 11.00 min Scan# 1615
Delta R.T. 0.14 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

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



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007263.D

Acq: 28 Jan 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

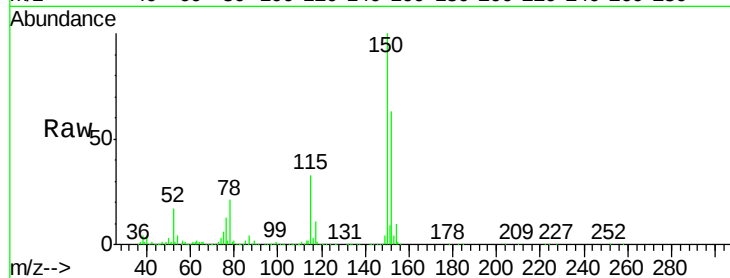
Tot Ion:152 Resp: 393370

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.2

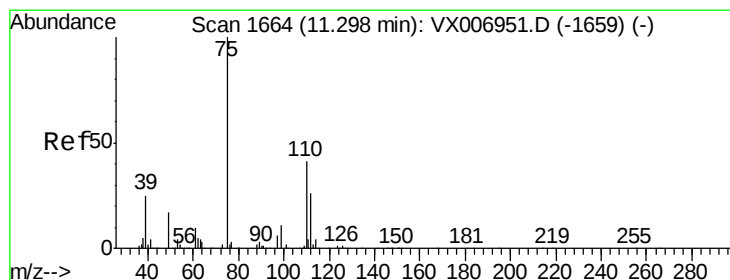
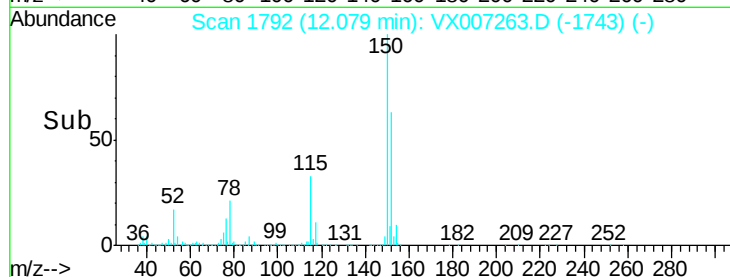
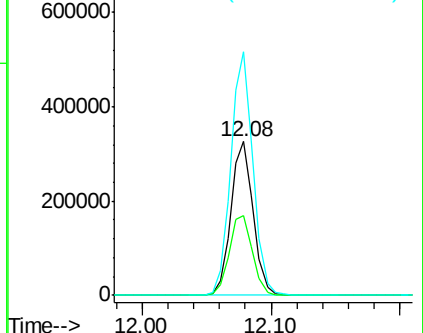
150 157.4 0.0 344.8



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: 21.741 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007263.D

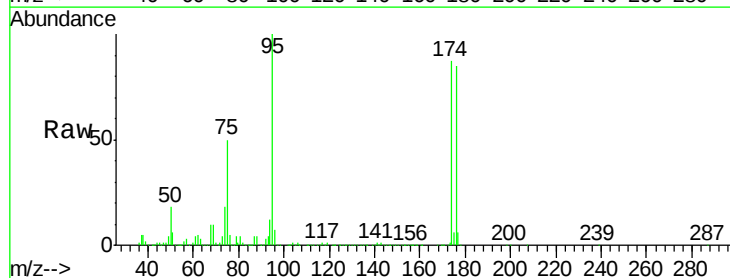
Acq: 28 Jan 2019 16:25

Tgt Ion: 75 Resp: 173307

Ion Ratio Lower Upper

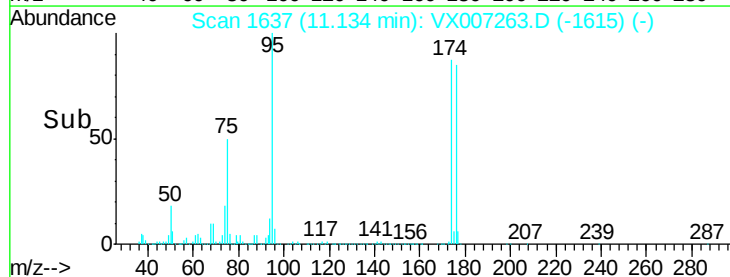
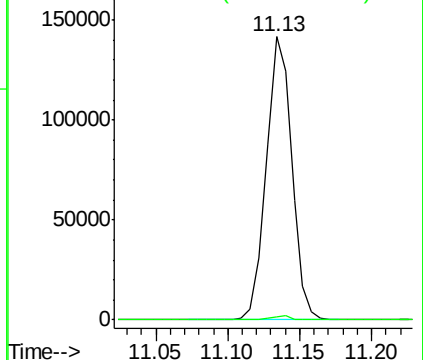
75 100

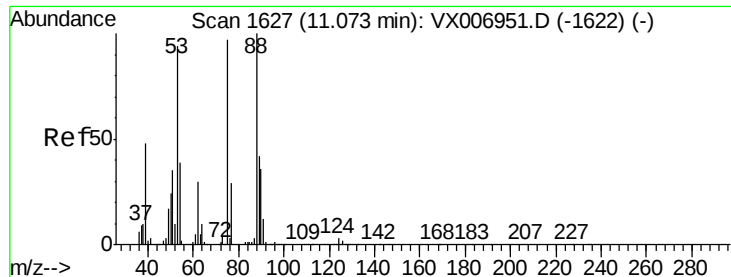
77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

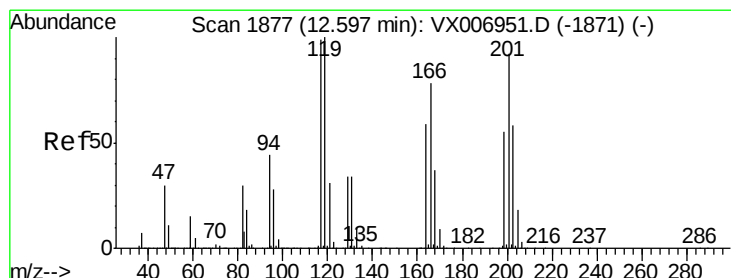
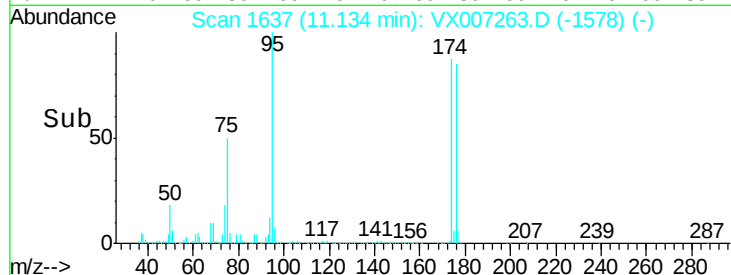
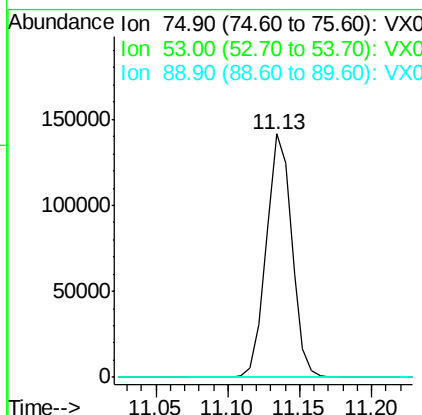
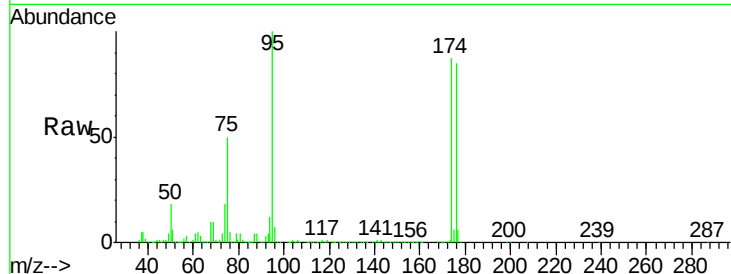




#81
trans-1,4-Dichloro-2-butene
Concen: 64.430 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

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

Tot Ion: 75 Resp: 173307
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 2.913 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX007263.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
201 110.0 42.9 128.7

