

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022619\
 Data File : VX007718.D
 Acq On : 26 Feb 2019 17:19
 Operator : JC/SP
 Sample : K1580-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 27 00:18:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	336488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	581381	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	542174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244007	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	208211	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	5.50	113	192143	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	8.71	98	690367	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
62) 4-Bromofluorobenzene	11.13	95	238028	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

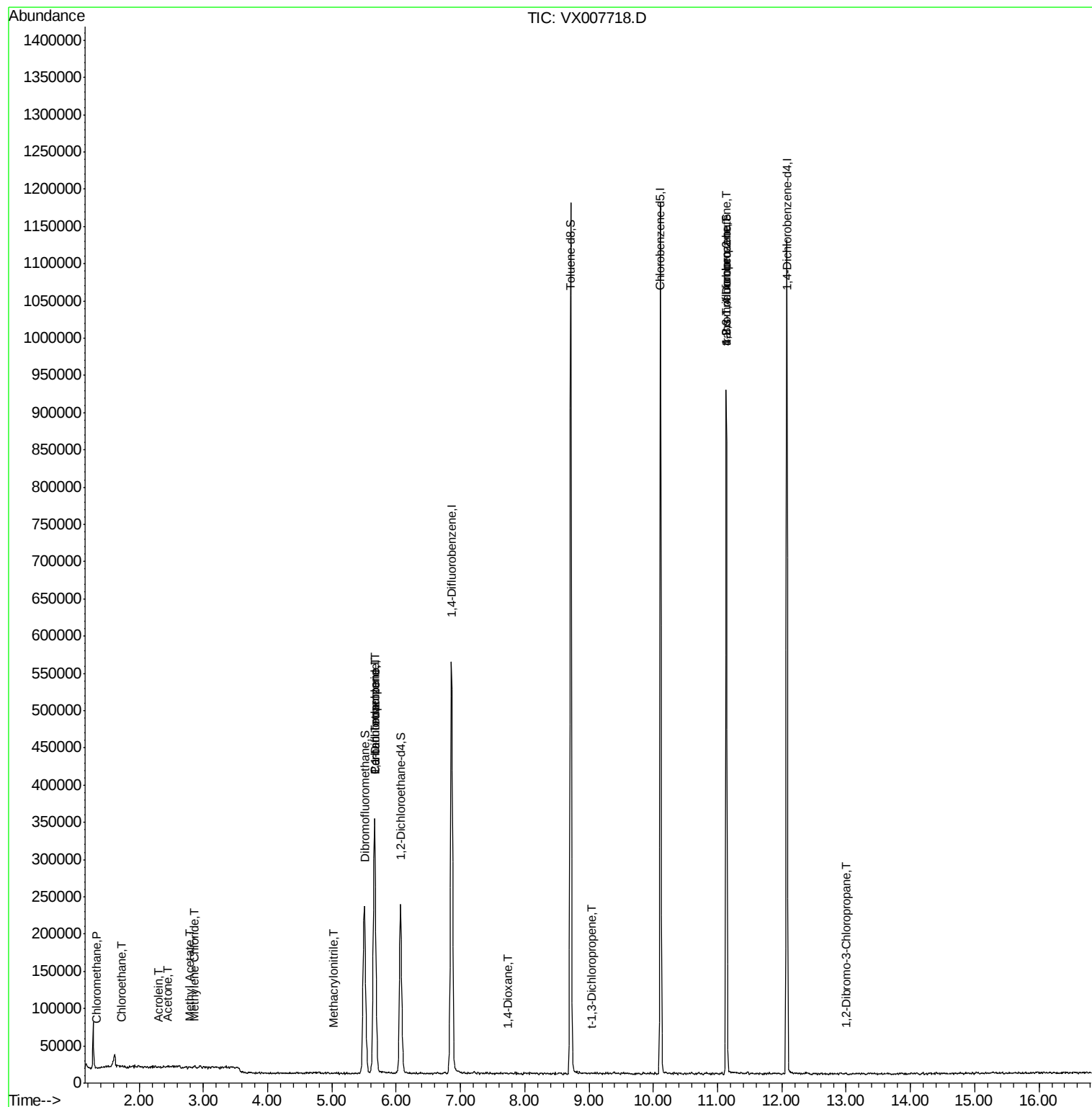
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1302	0.379	ug/l #	42
5) Bromomethane	1.65	94	354	Below Cal	#	3
6) Chloroethane	1.72	64	591	0.262	ug/l #	54
13) Acrolein	2.31	56	142	0.202	ug/l #	14
16) Acetone	2.45	43	1868	1.008	ug/l #	80
18) Methyl Acetate	2.78	43	1127	0.279	ug/l #	66
20) Methylene Chloride	2.86	84	1661	0.485	ug/l #	73
36) 1,1-Dichloropropene	5.66	75	22573	4.319	ug/l #	51
38) Carbon Tetrachloride	5.67	117	32208	6.134	ug/l #	18
41) Methacrylonitrile	5.03	41	651	0.210	ug/l #	68
49) 1,4-Dioxane	7.74	88	63	0.623	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	170	2.828	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	118245	22.734	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	118245	60.265	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.00	75	329	0.250	ug/l #	16

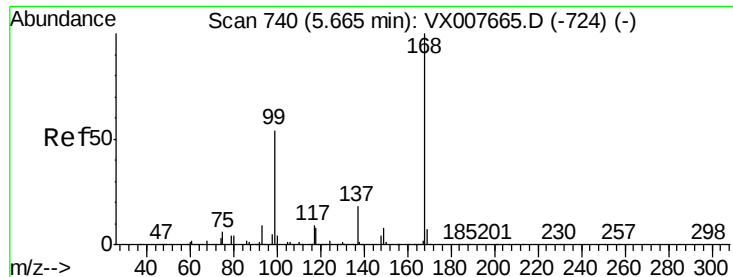
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

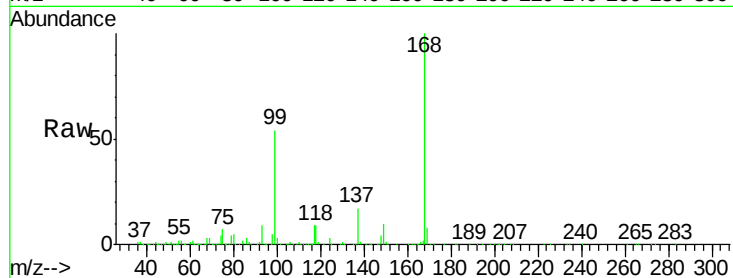
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 336488

Ion Ratio Lower Upper

168 100

99 53.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

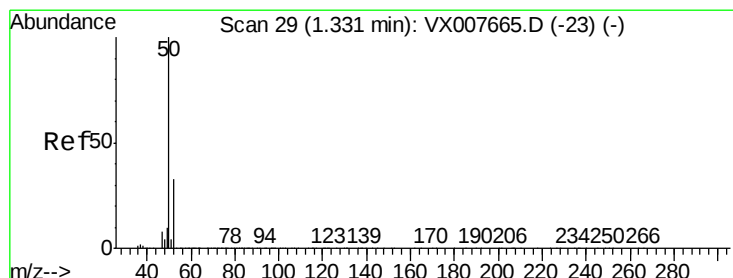
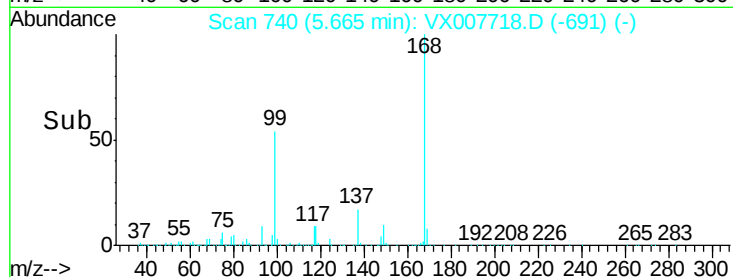
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.379 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007718.D

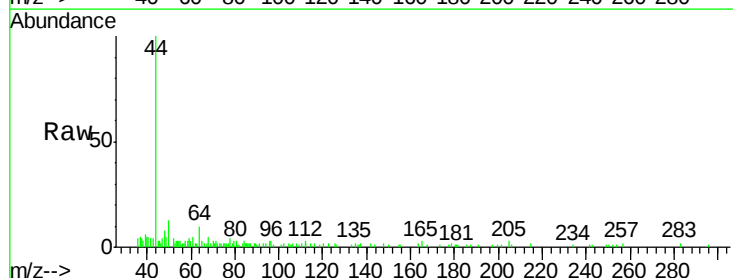
Acq: 26 Feb 2019 17:19

Tgt Ion: 50 Resp: 1302

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

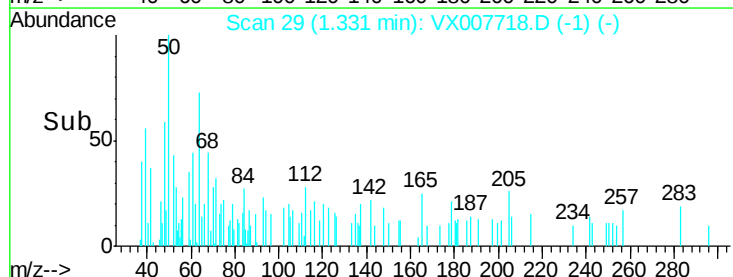
400

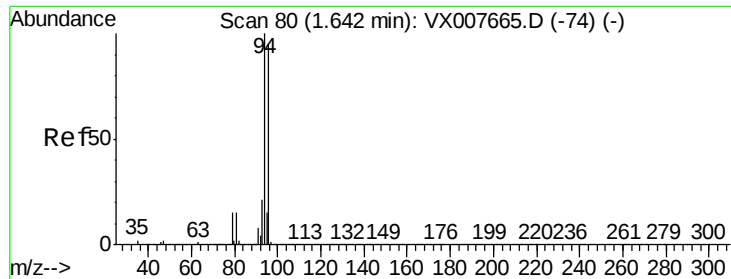
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

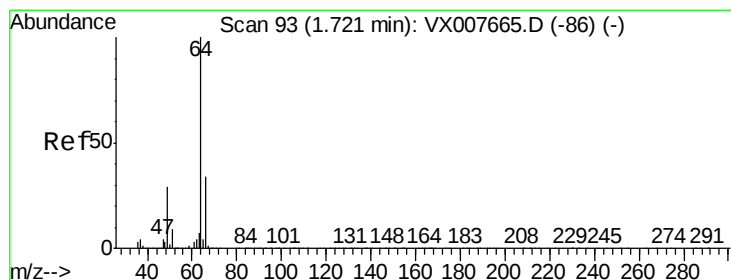
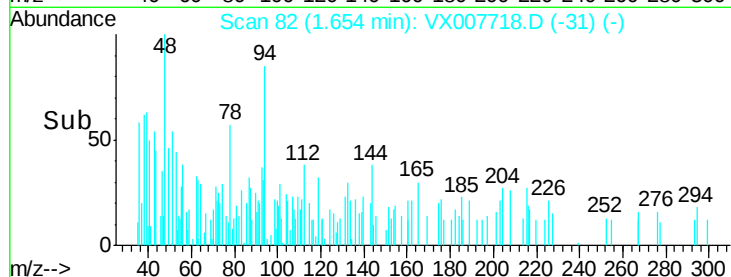
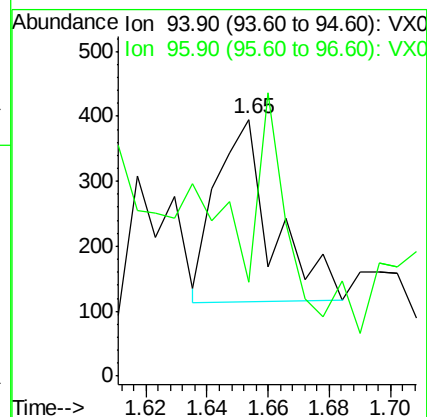
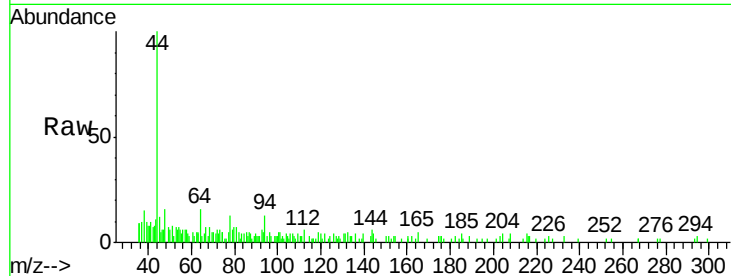
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 354

Ion Ratio Lower Upper

94 100

96 0.0 73.9 110.9#



#6

Chloroethane

Concen: 0.262 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007718.D

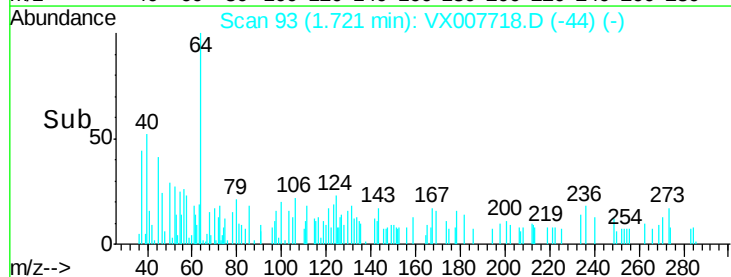
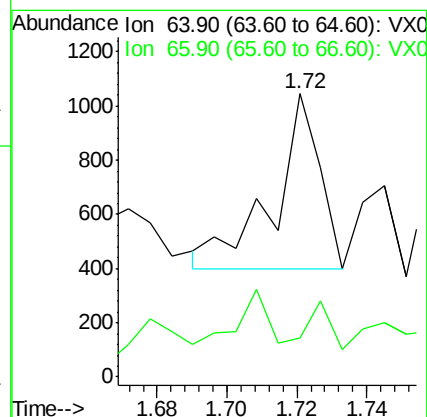
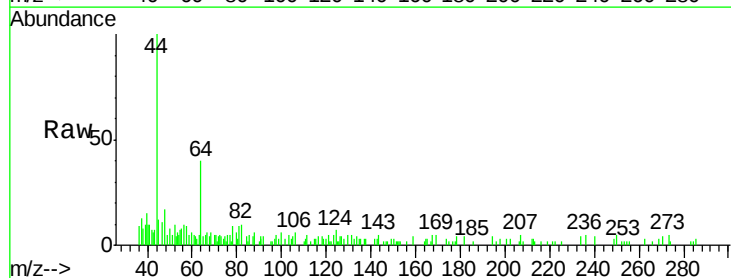
Acq: 26 Feb 2019 17:19

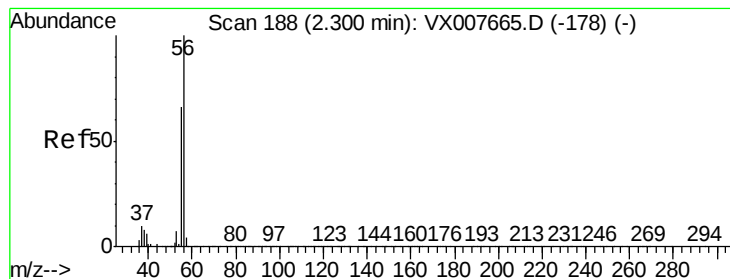
Tgt Ion: 64 Resp: 591

Ion Ratio Lower Upper

64 100

66 6.4 25.5 38.3#





#13

Acrolein

Concen: 0.202 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

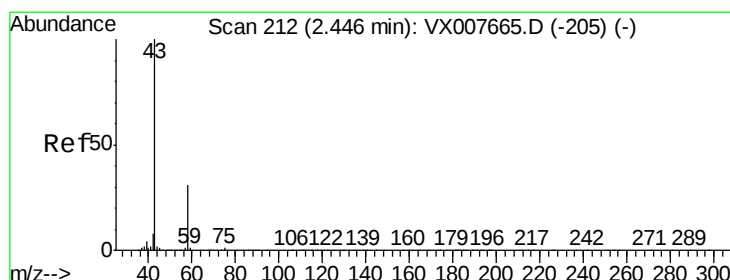
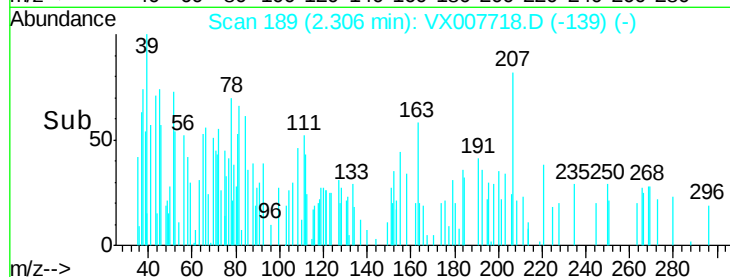
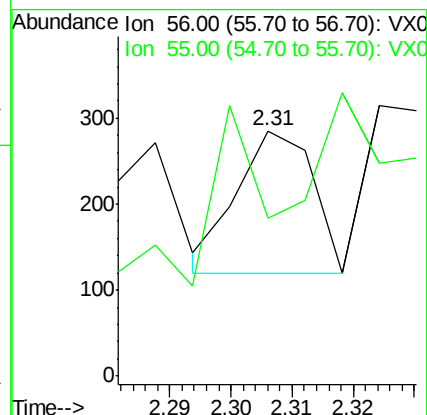
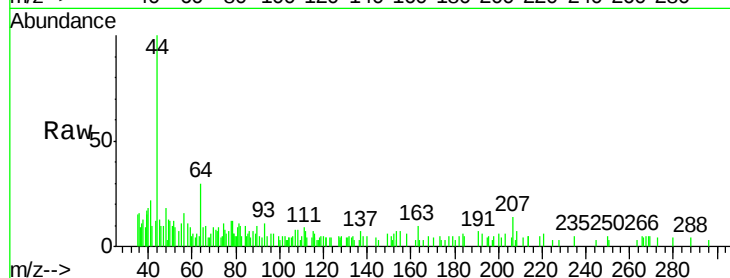
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 1.008 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007718.D

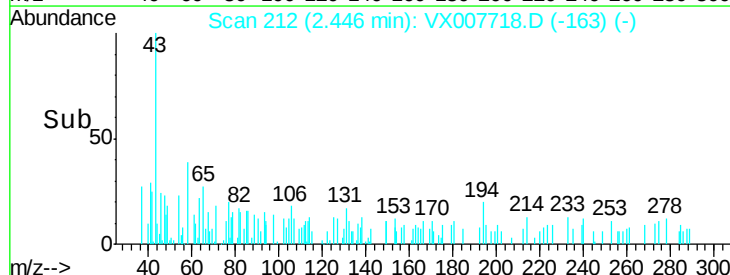
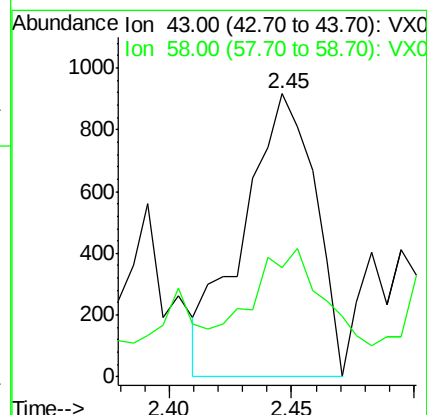
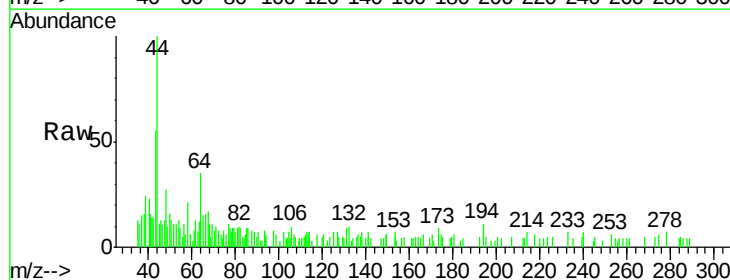
Acq: 26 Feb 2019 17:19

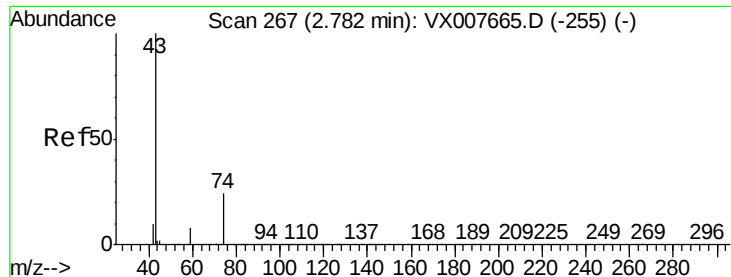
Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

58 20.0 24.9 37.3#

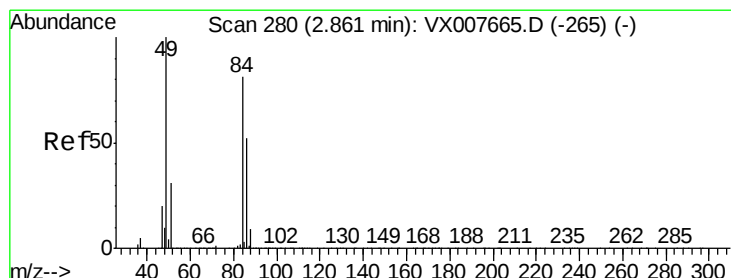
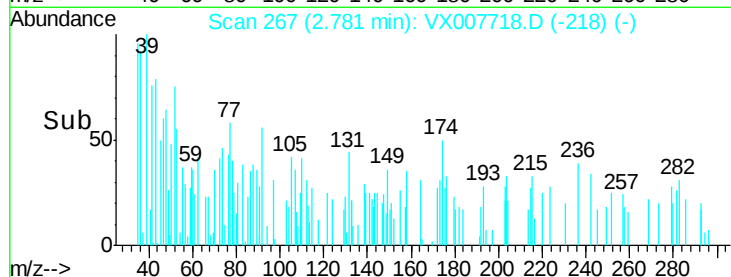
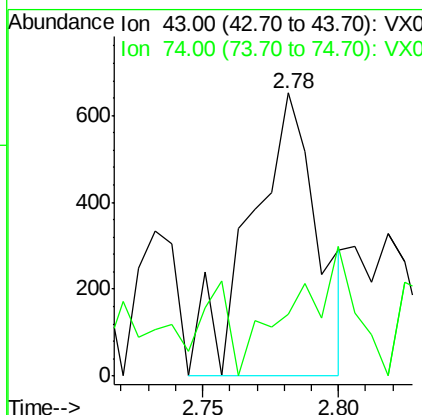
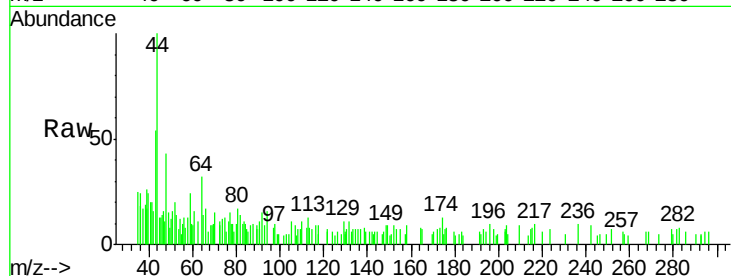




#18
Methyl Acetate
Concen: 0.279 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

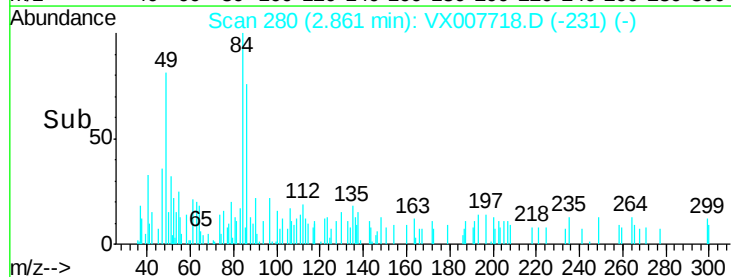
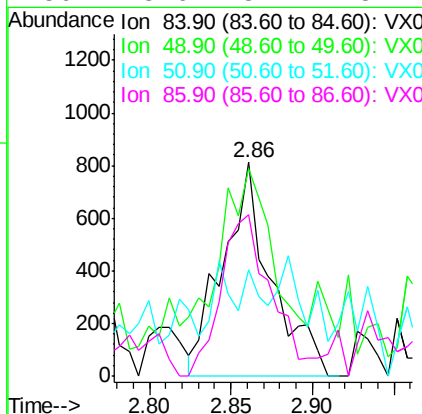
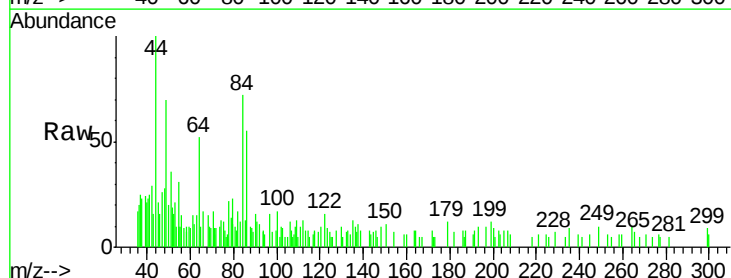
Instrument :
MSVOA_X
ClientSampled :
STORAGE-BLANK-WATER-REF-4

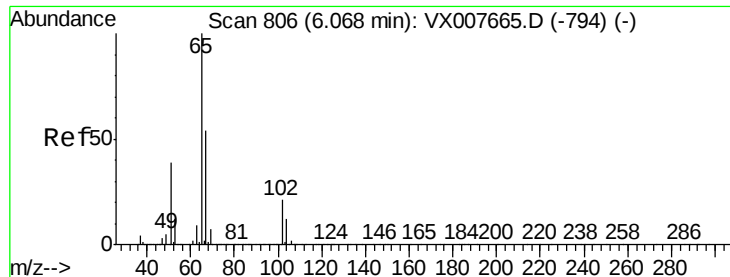
Tot Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
74 41.2 19.4 29.2#



#20
Methylene Chloride
Concen: 0.485 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

Tgt Ion: 84 Resp: 1661
Ion Ratio Lower Upper
84 100
49 79.3 94.8 142.2#
51 18.5 29.8 44.8#
86 75.6 54.1 81.1





#33

1,2-Dichloroethane-d4

Concen: 49.954 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

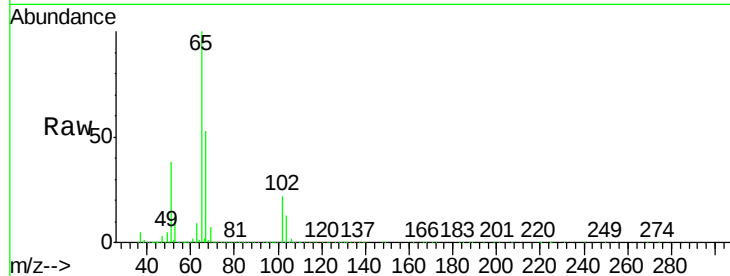
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 208211

Ion Ratio Lower Upper

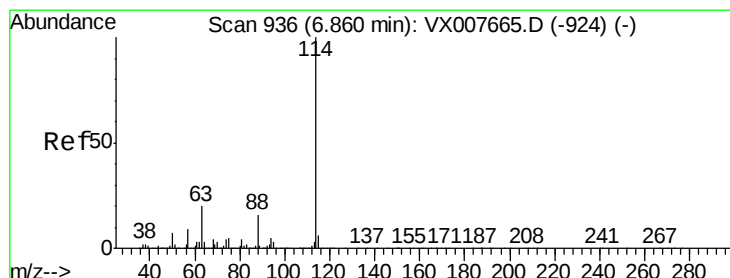
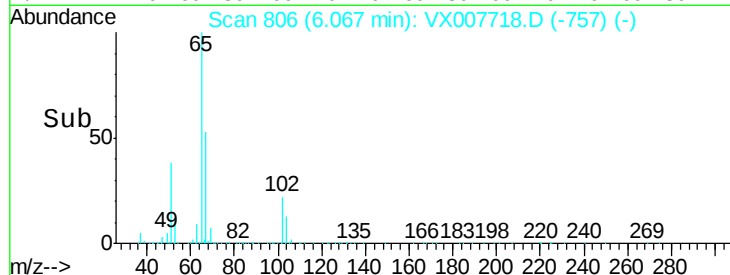
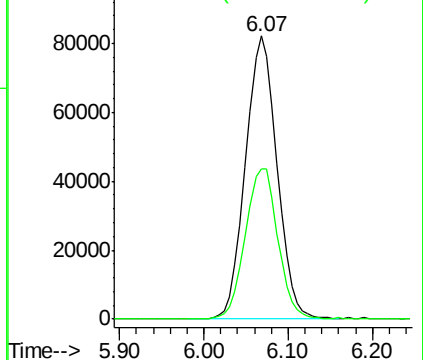
65 100

67 54.5 0.0 108.8



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: VX007718.D

Acq: 26 Feb 2019 17:19

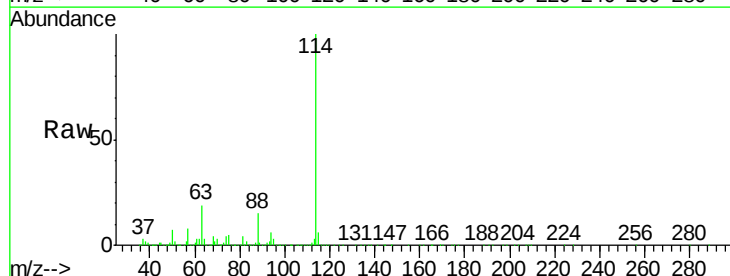
Tgt Ion: 114 Resp: 581381

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

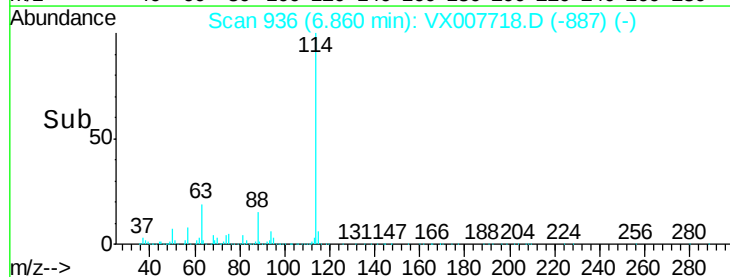
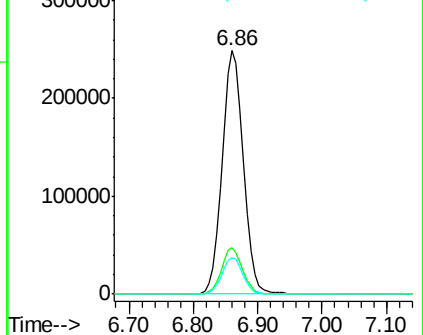
88 15.0 0.0 29.6

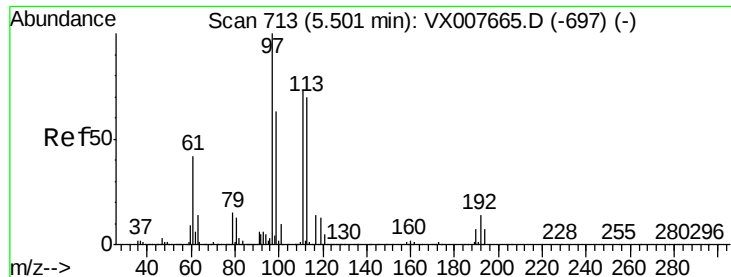


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.440 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

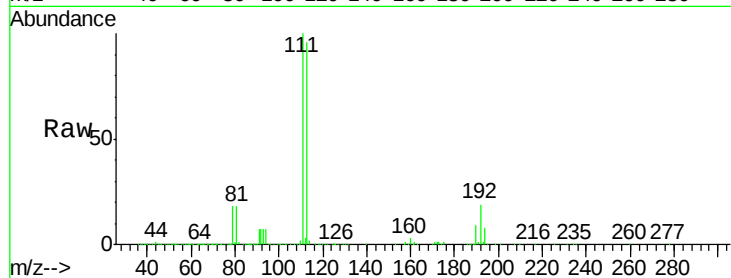
Tot Ion:113 Resp: 192143

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

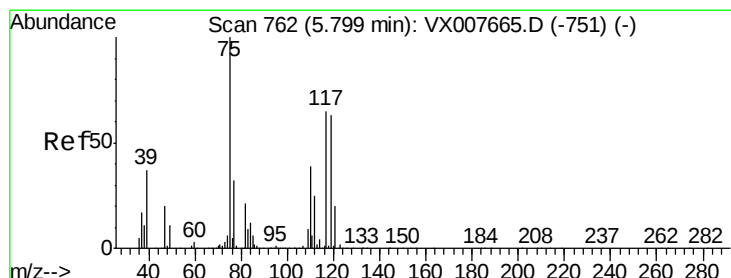
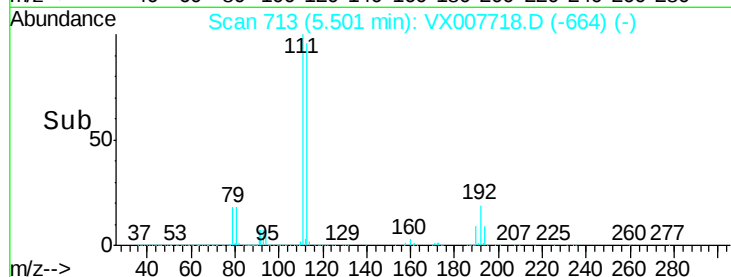
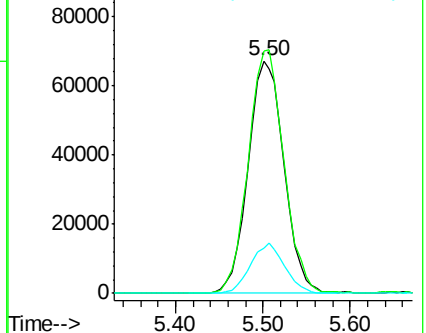
192 20.6 18.5 27.7



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: 4.319 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

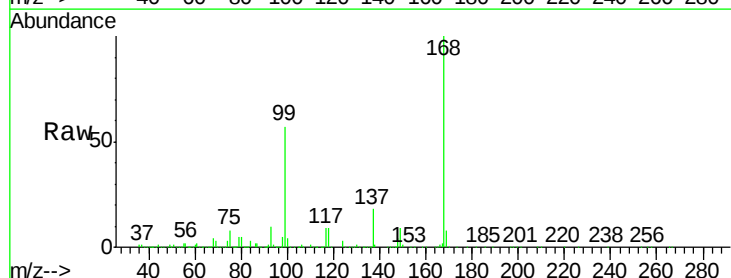
Tgt Ion: 75 Resp: 22573

Ion Ratio Lower Upper

75 100

110 12.2 20.0 59.9#

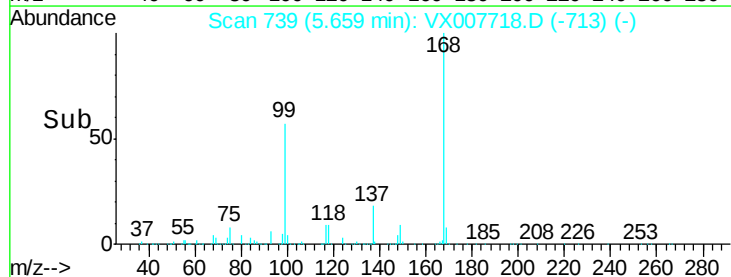
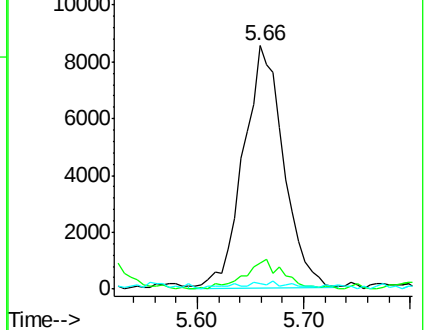
77 0.5 24.7 37.1#

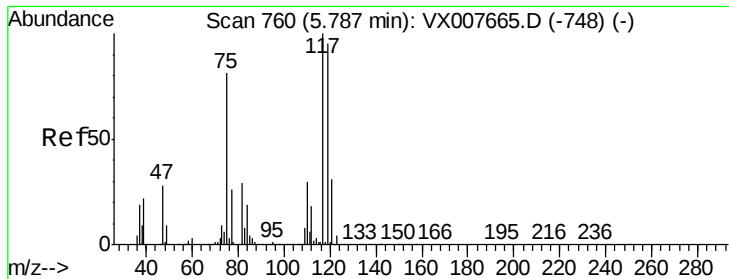


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.134 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

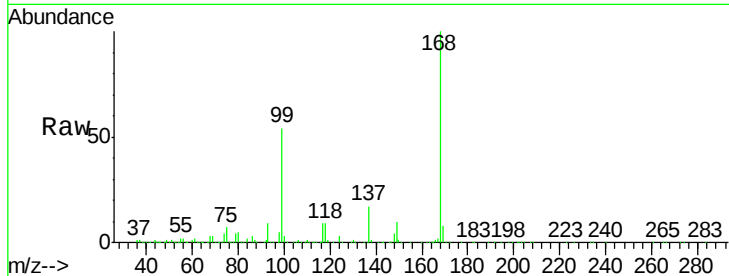
Tot Ion:117 Resp: 32208

Ion Ratio Lower Upper

117 100

119 6.0 75.3 112.9#

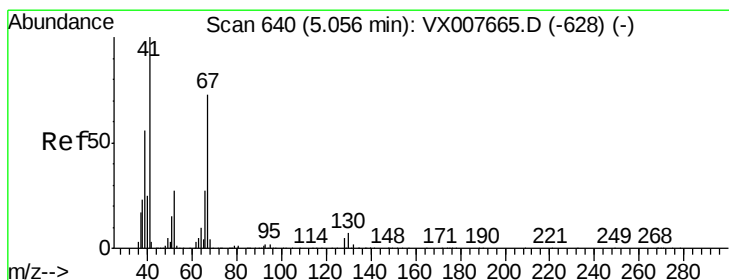
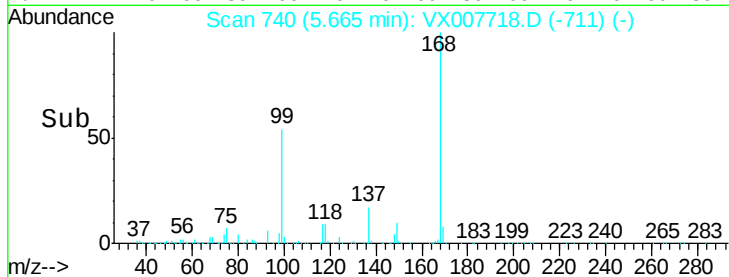
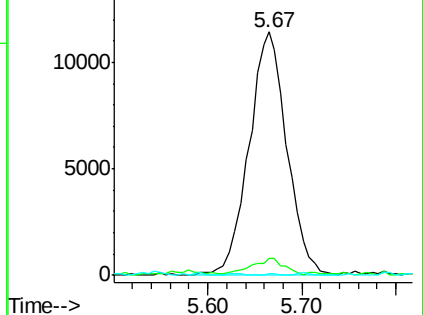
121 0.7 25.0 37.4#



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



#41

Methacrylonitrile

Concen: 0.210 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.02 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Tgt Ion: 41 Resp: 651

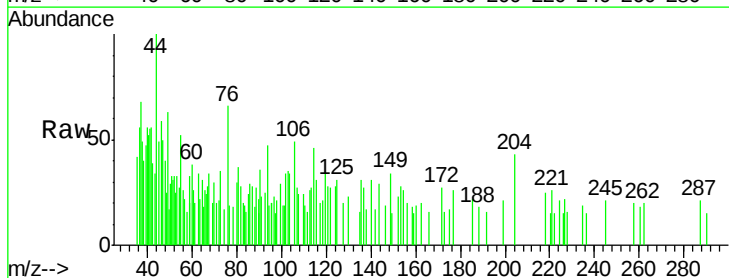
Ion Ratio Lower Upper

41 100

39 33.5 44.5 66.7#

67 43.2 60.4 90.6#

52 40.4 24.1 36.1#

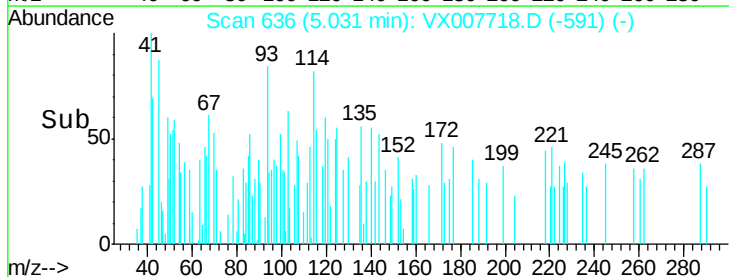
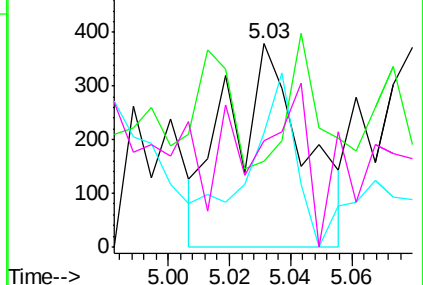


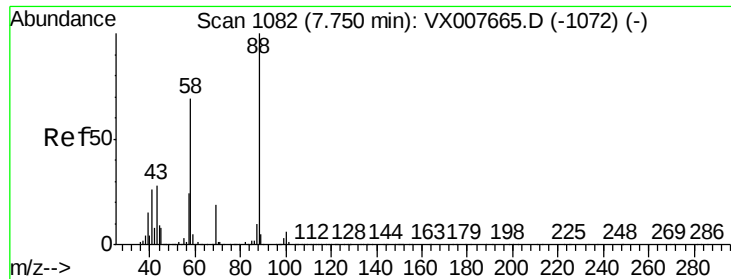
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

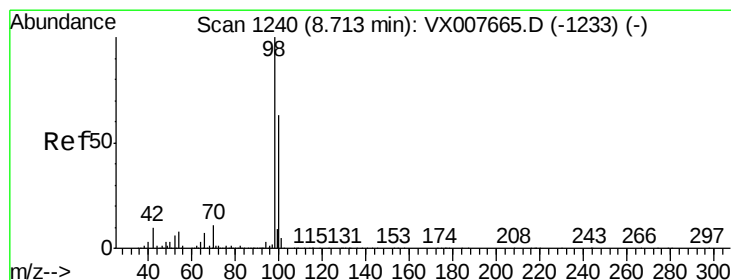
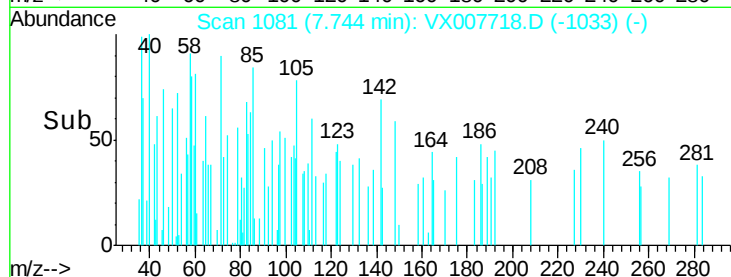
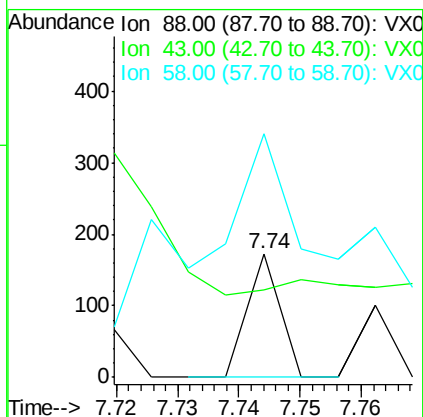
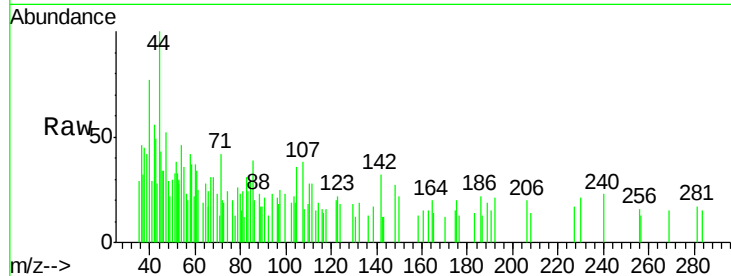




#49
1,4-Dioxane
Concen: 0.623 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

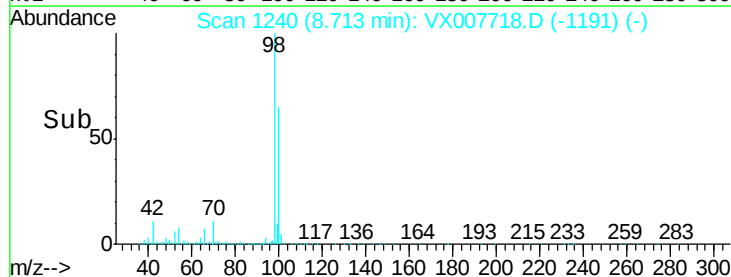
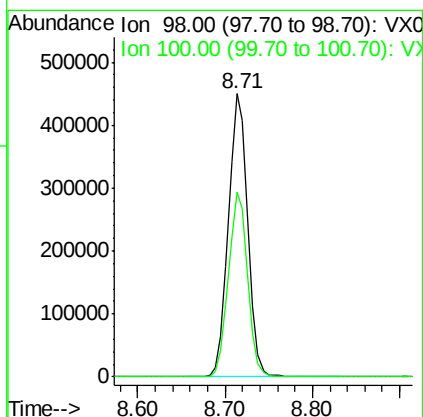
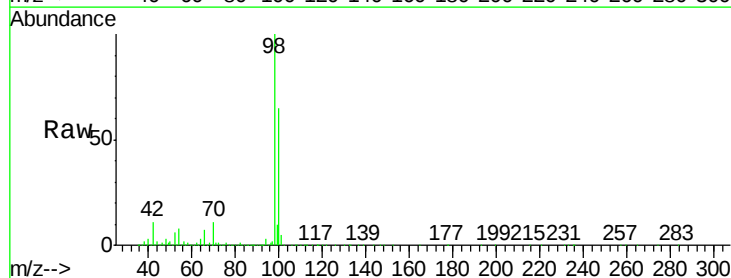
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

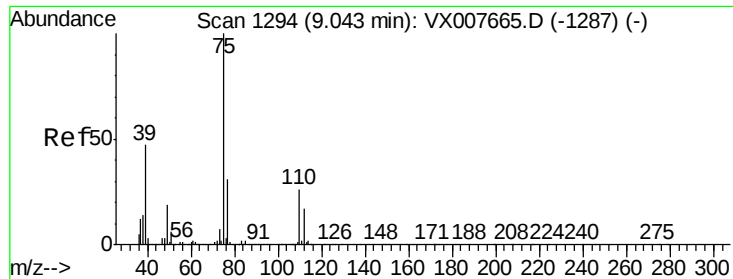
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 788.9 53.0 79.4#



#50
Toluene-d8
Concen: 46.401 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

Tgt Ion: 98 Resp: 690367
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4

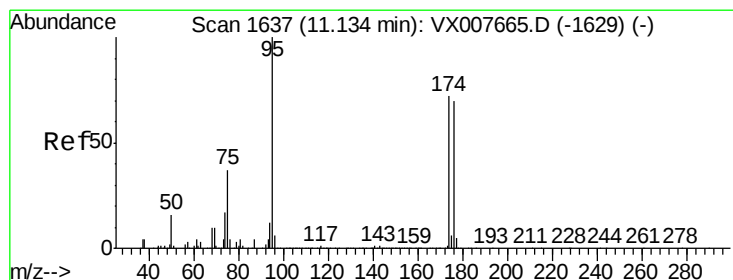
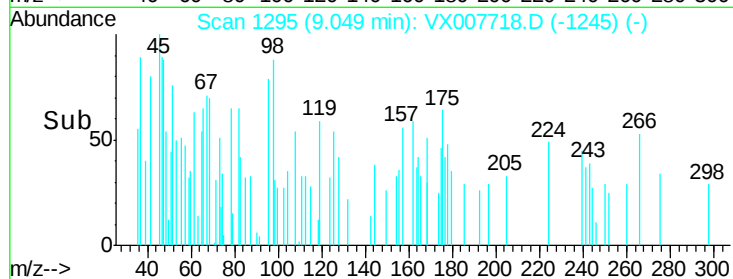
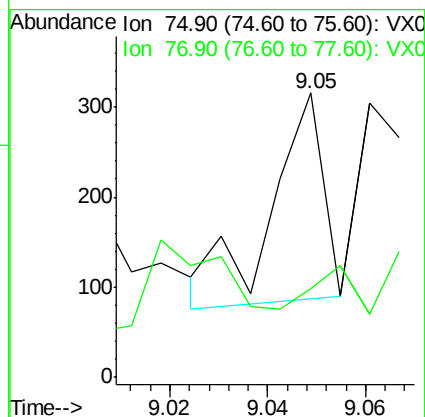
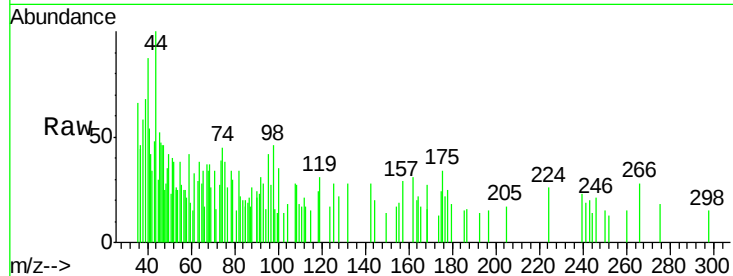




#53
t-1,3-Dichloropropene
Concen: 2.828 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

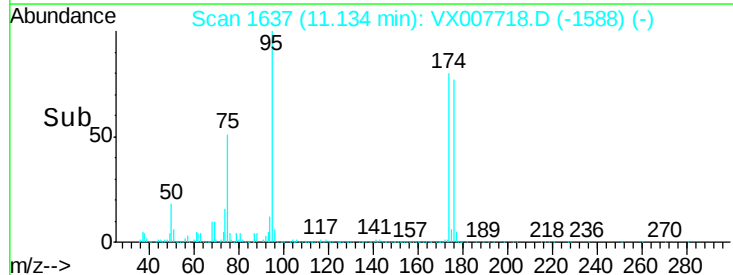
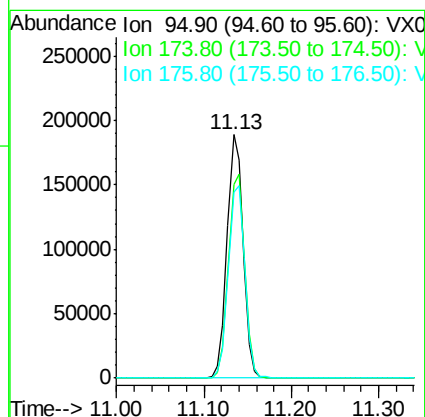
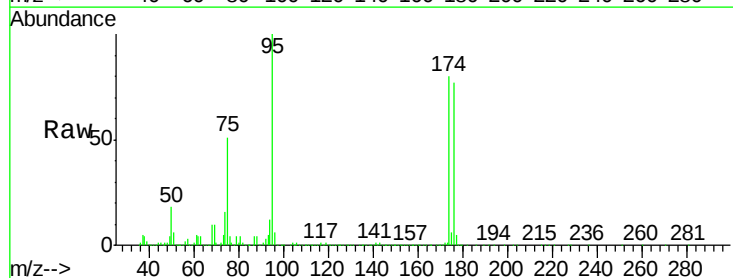
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

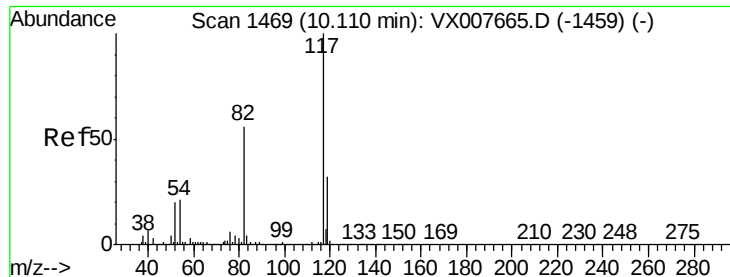
Tot Ion: 75 Resp: 170
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#



#62
4-Bromofluorobenzene
Concen: 43.588 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

Tgt Ion: 95 Resp: 238028
Ion Ratio Lower Upper
95 100
174 85.5 0.0 189.2
176 82.5 0.0 186.2

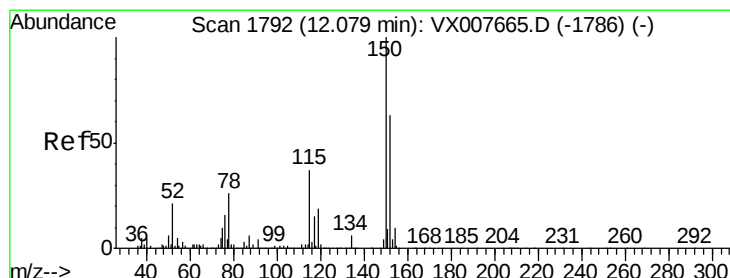
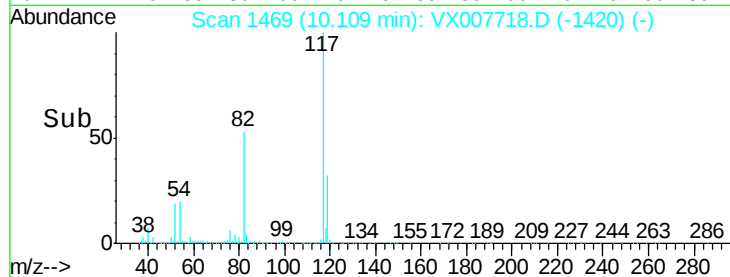
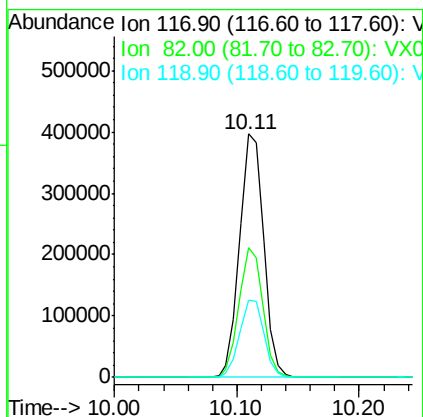
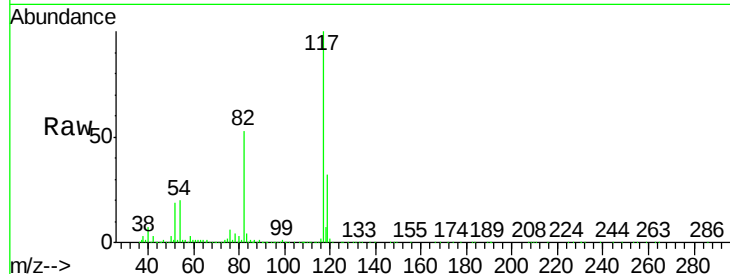




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

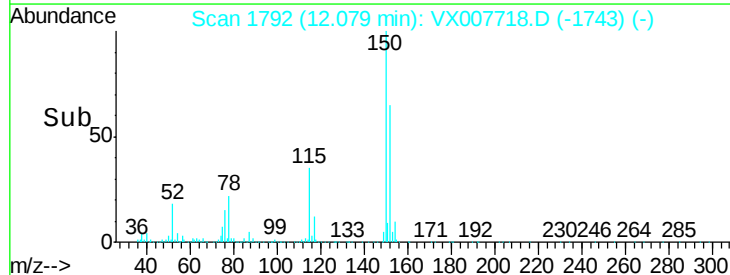
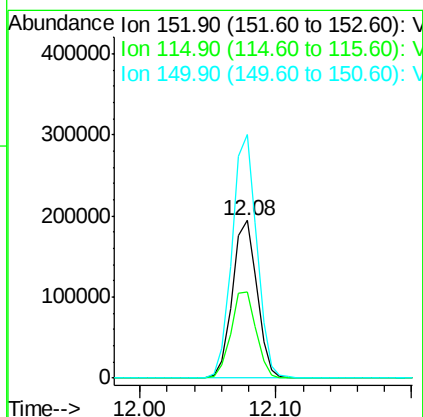
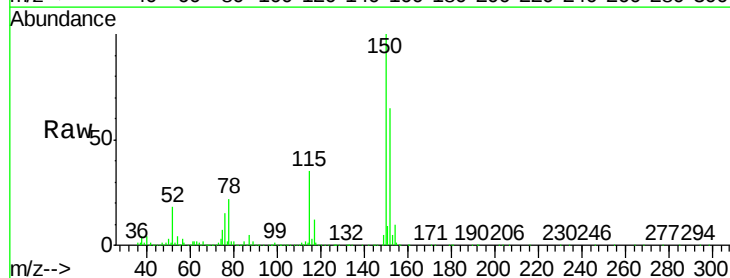
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

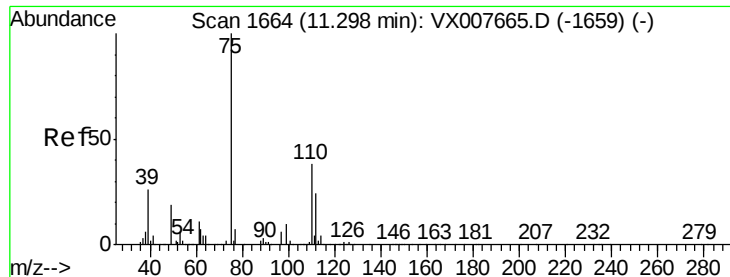
Tot Ion:117 Resp: 542174
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 31.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007718.D
Acq: 26 Feb 2019 17:19

Tgt Ion:152 Resp: 244007
Ion Ratio Lower Upper
152 100
115 56.3 38.0 114.0
150 155.5 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

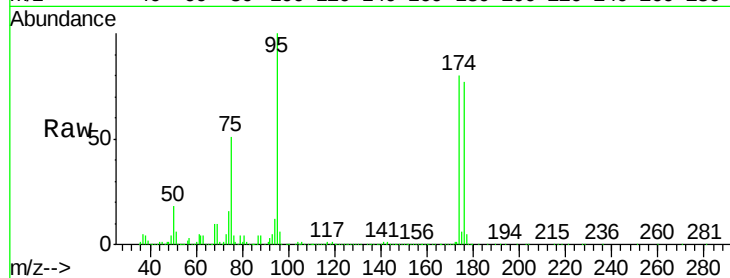
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 118245

Ion Ratio Lower Upper

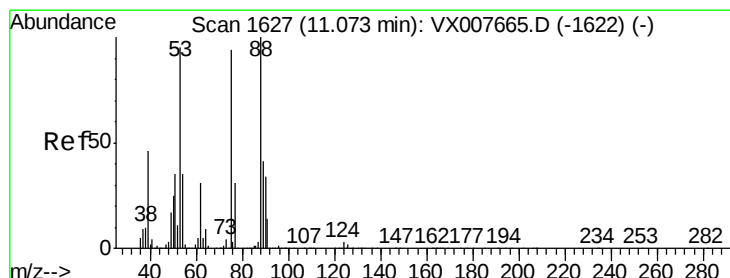
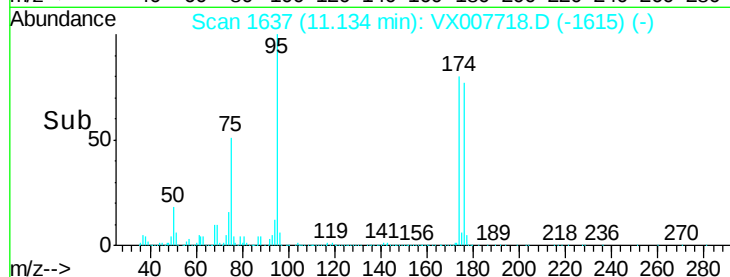
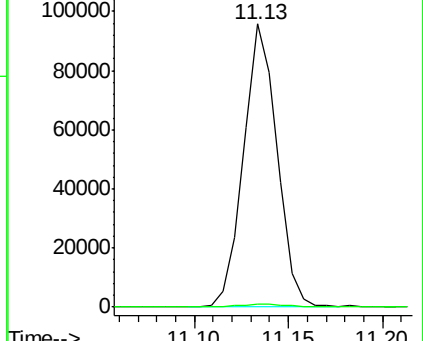
75 100

77 1.6 23.0 69.0#



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: 60.265 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

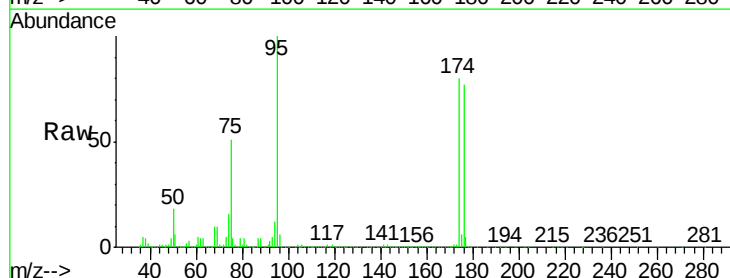
Tgt Ion: 75 Resp: 118245

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

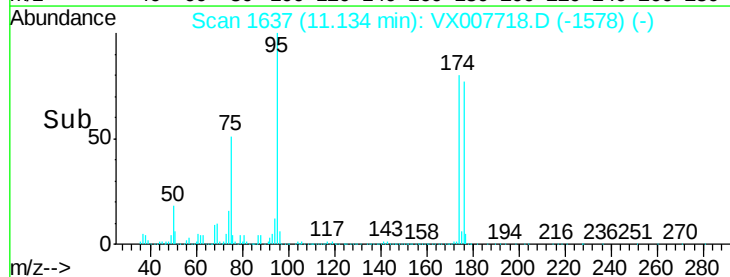
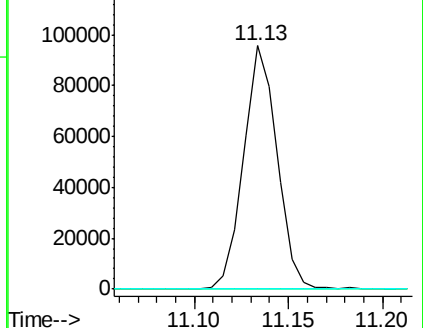
89 0.2 41.4 62.0#

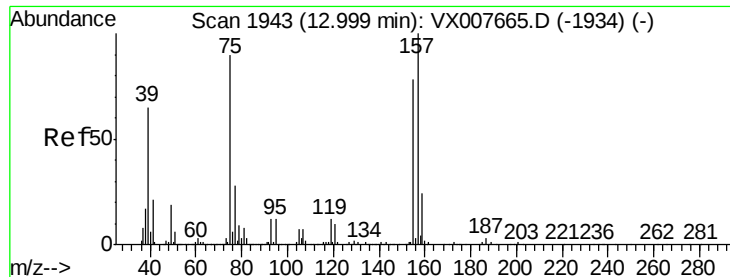


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.250 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007718.D

Acq: 26 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

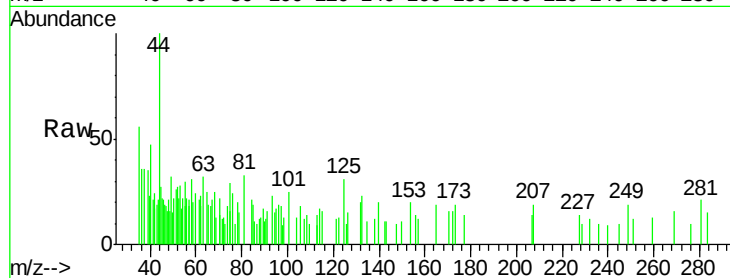
Tot Ion: 75 Resp: 329

Ion Ratio Lower Upper

75 100

155 14.6 49.6 149.0#

157 32.8 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

