

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006786.D
 Acq On : 24 Dec 2018 11:19
 Operator : JC/MD
 Sample : J6532-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 25 01:17:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	635672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	969447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	883604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	424936	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	332139	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	5.51	113	300462	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.71	98	1152805	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	404845	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

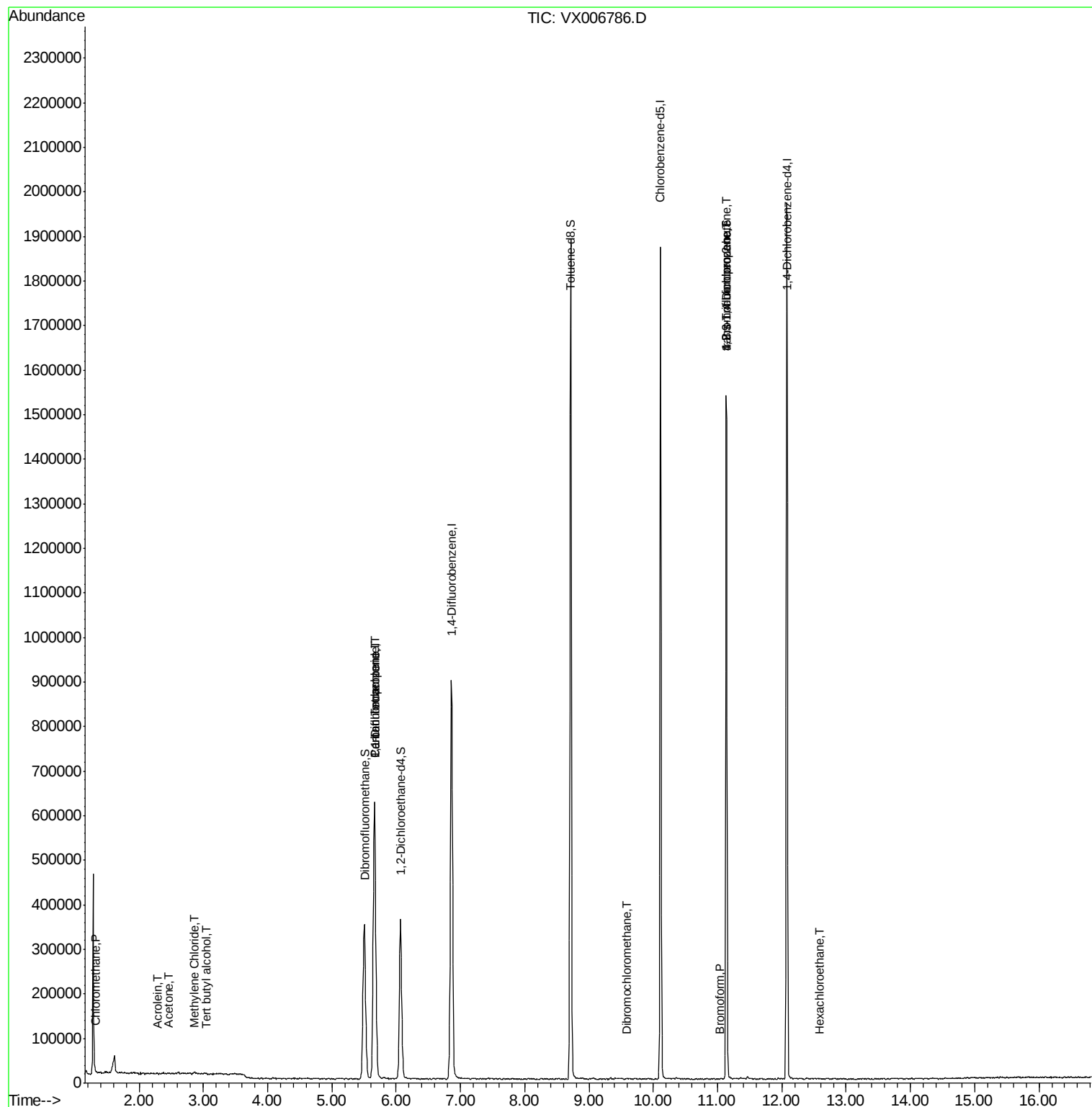
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1287	0.205	ug/l #	67
5) Bromomethane	1.65	94	1149	Below Cal		98
11) Tert butyl alcohol	3.06	59	400	0.262	ug/l #	60
13) Acrolein	2.29	56	275	0.267	ug/l #	11
16) Acetone	2.45	43	1928	0.613	ug/l	99
20) Methylene Chloride	2.85	84	2220	0.341	ug/l #	77
28) Bromochloromethane	5.04	49	729	Below Cal	#	6
36) 1,1-Dichloropropene	5.67	75	40624	5.060	ug/l #	48
38) Carbon Tetrachloride	5.66	117	58469	7.493	ug/l #	15
49) 1,4-Dioxane	7.73	88	205	Below Cal	#	1
60) Dibromochloromethane	9.59	129	360	2.375	ug/l	62
71) Bromoform	11.03	173	127	4.482	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	192340	24.356	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	192340	72.080	ug/l #	10
90) Hexachloroethane	12.59	117	170	3.333	ug/l	91

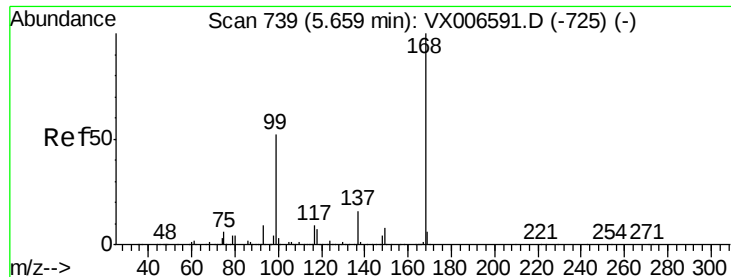
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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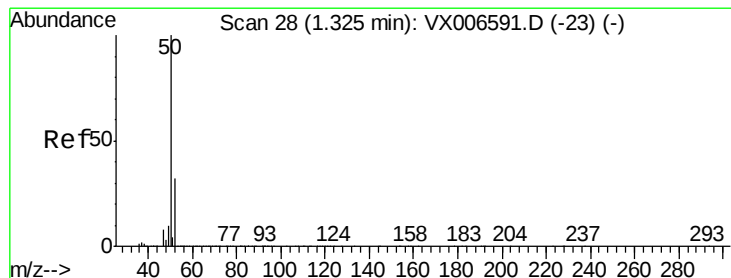
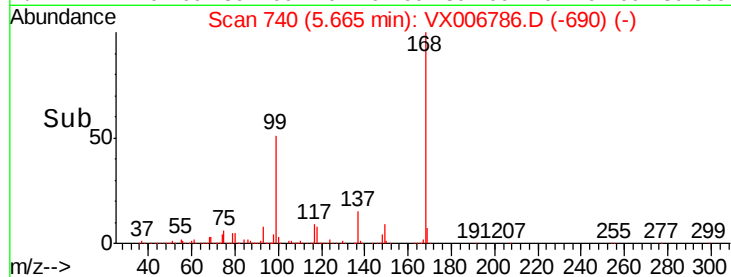
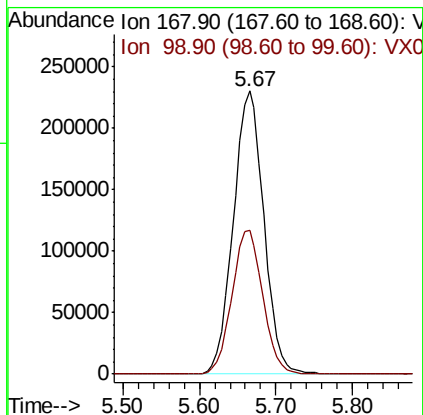
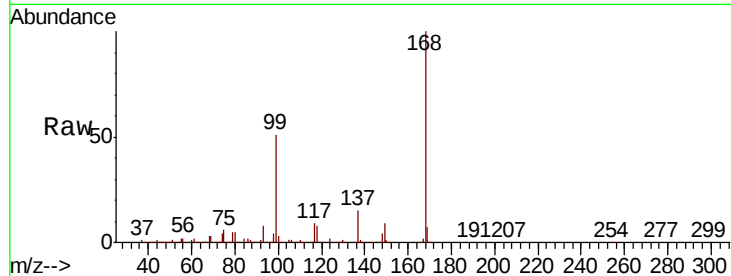


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006786.D
 Acq: 24 Dec 2018 11:19

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

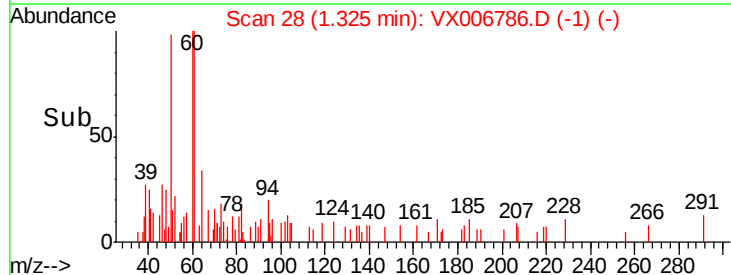
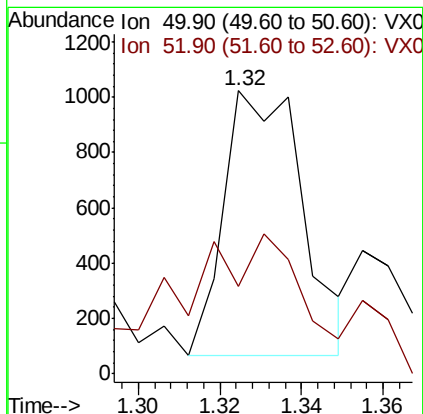
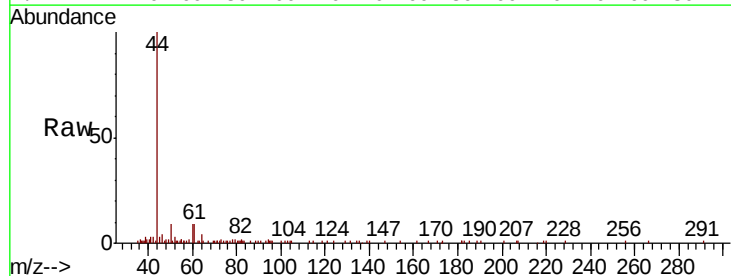
Tot Ion:168 Resp: 635672
 Ion Ratio Lower Upper
 168 100
 99 50.9 41.8 62.8

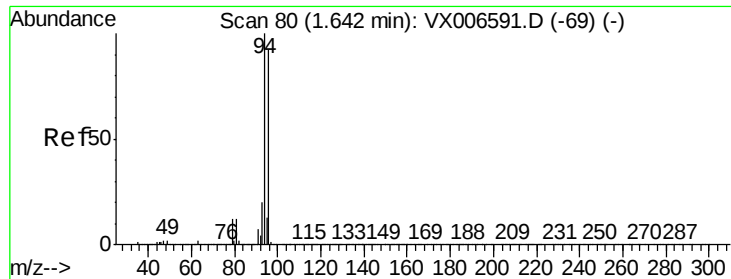


#3

Chloromethane
 Concen: 0.205 ug/l
 RT: 1.32 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VX006786.D
 Acq: 24 Dec 2018 11:19

Tgt Ion: 50 Resp: 1287
 Ion Ratio Lower Upper
 50 100
 52 13.4 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

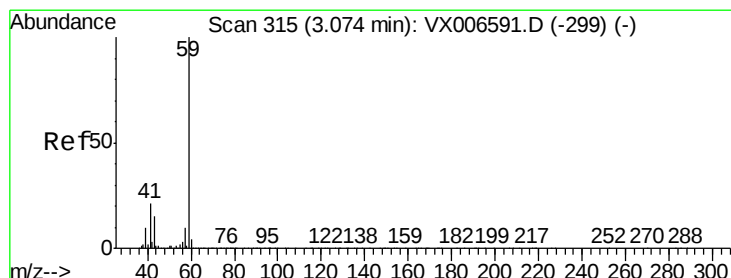
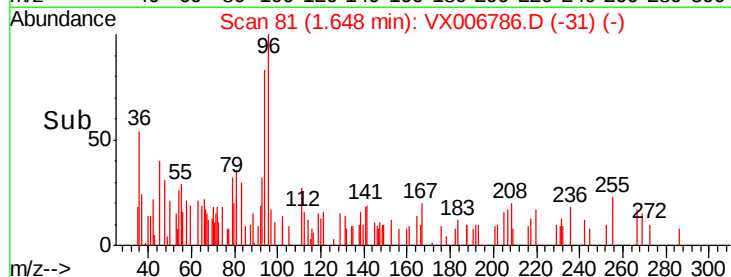
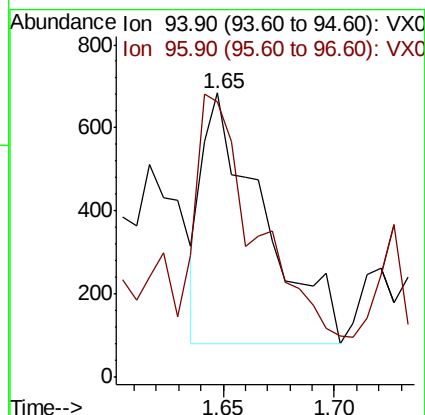
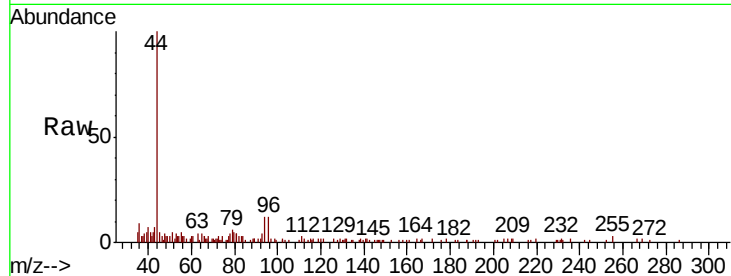
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 1149

Ion Ratio Lower Upper

94 100

96 94.0 73.4 110.2



#11

Tert butyl alcohol

Concen: 0.262 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX006786.D

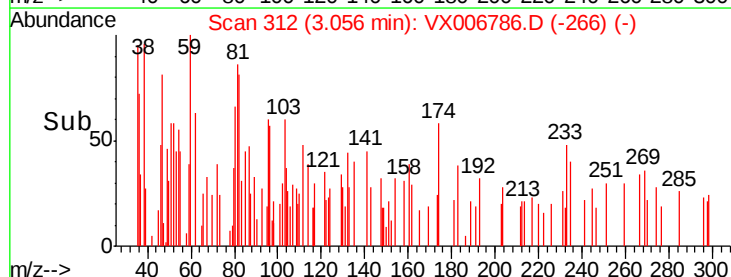
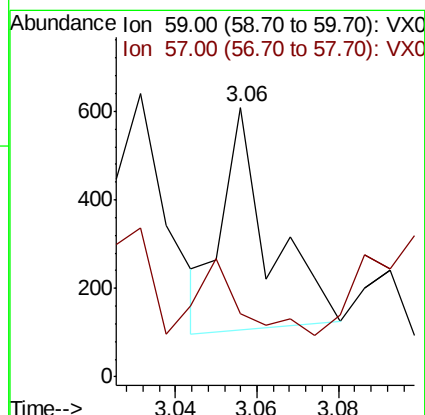
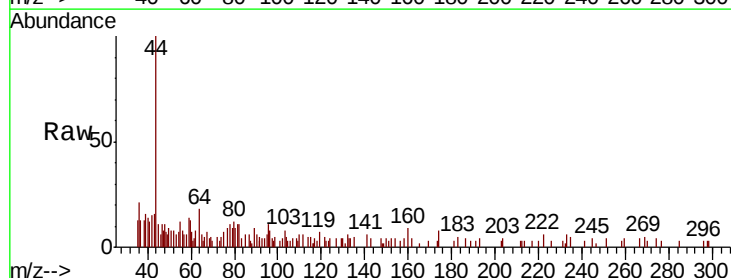
Acq: 24 Dec 2018 11:19

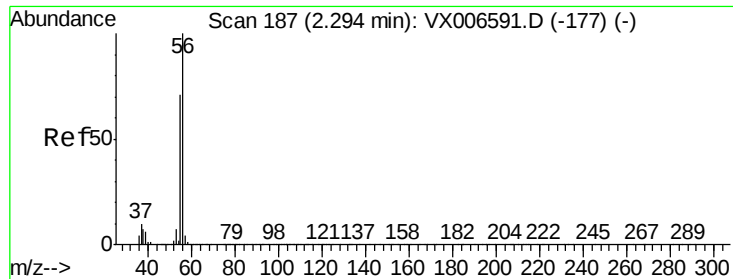
Tgt Ion: 59 Resp: 400

Ion Ratio Lower Upper

59 100

57 25.5 8.5 12.7#





#13

Acrolein

Concen: 0.267 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

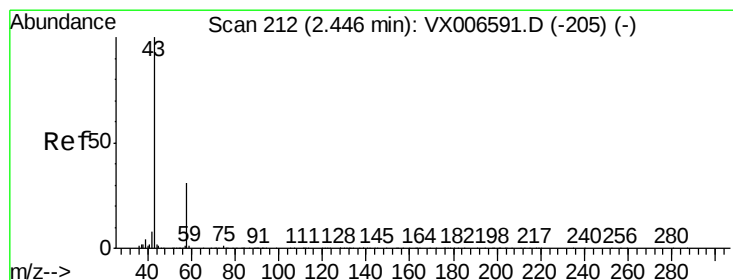
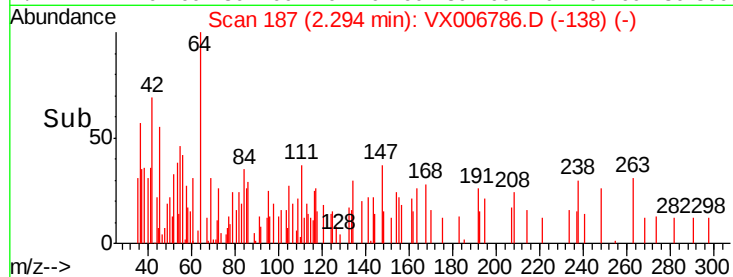
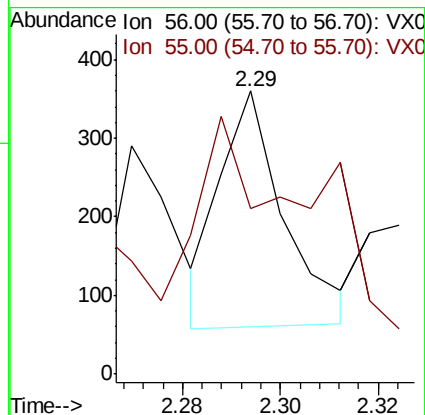
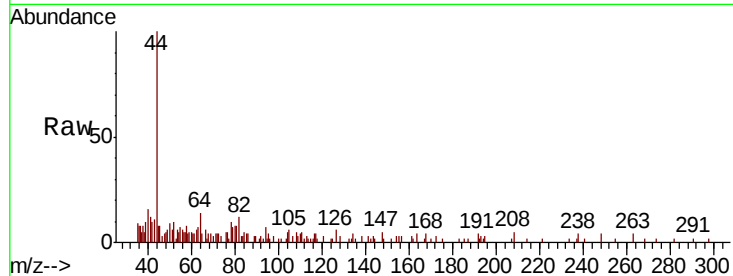
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 147.6 58.2 87.4#



#16

Acetone

Concen: 0.613 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006786.D

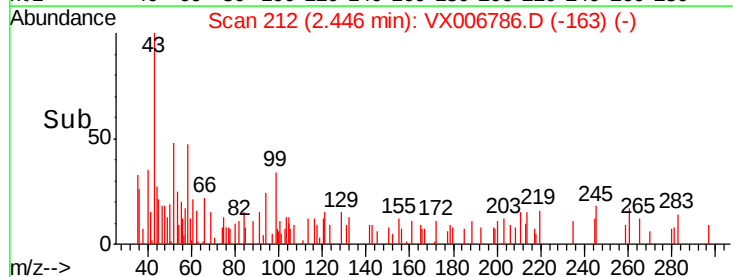
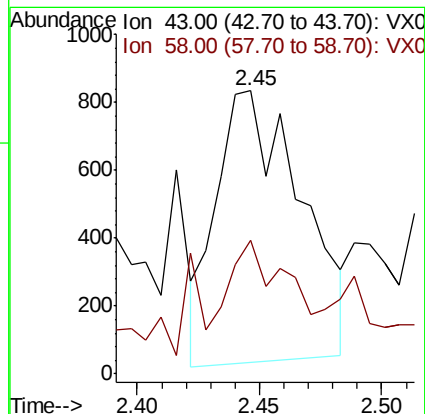
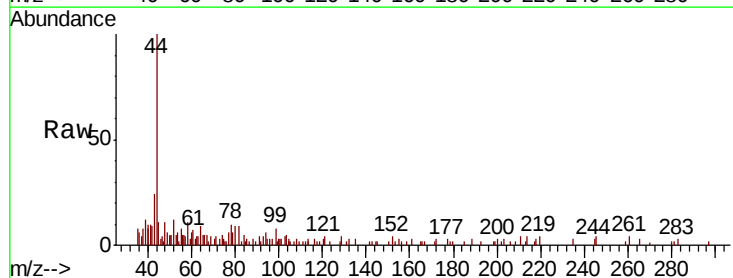
Acq: 24 Dec 2018 11:19

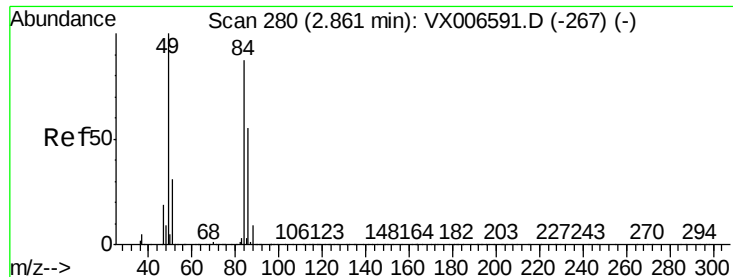
Tgt Ion: 43 Resp: 1928

Ion Ratio Lower Upper

43 100

58 30.6 25.0 37.6





#20

Methylene Chloride

Concen: 0.341 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 84 Resp: 2220

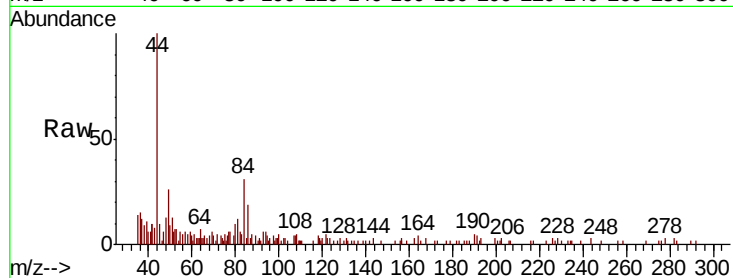
Ion Ratio Lower Upper

84 100

49 71.9 91.8 137.6#

51 39.1 28.5 42.7

86 61.8 50.2 75.2

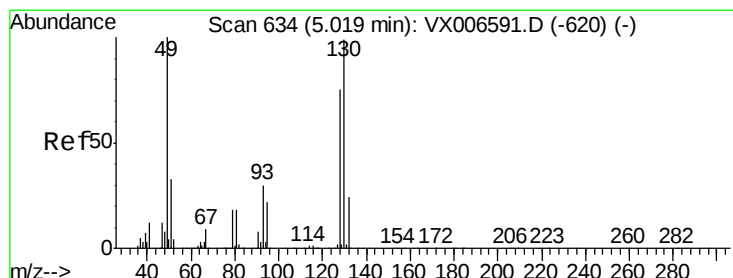
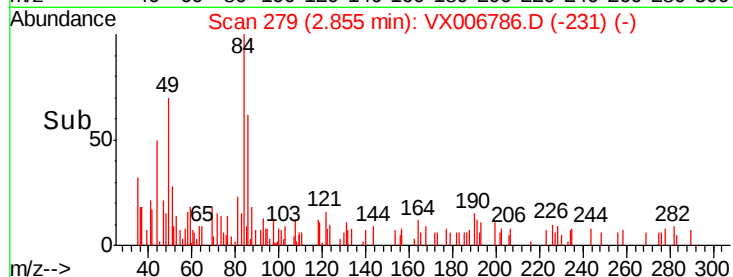
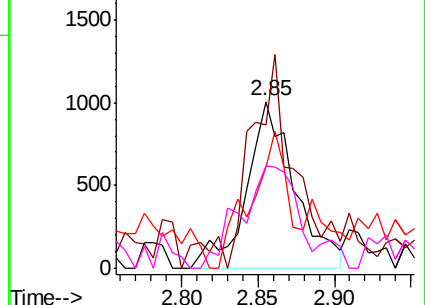


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

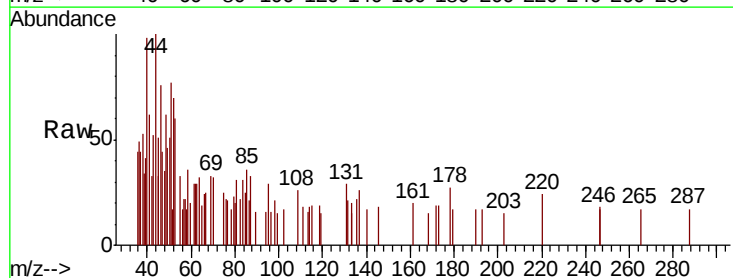
Tgt Ion: 49 Resp: 729

Ion Ratio Lower Upper

49 100

129 5.9 0.0 5.4#

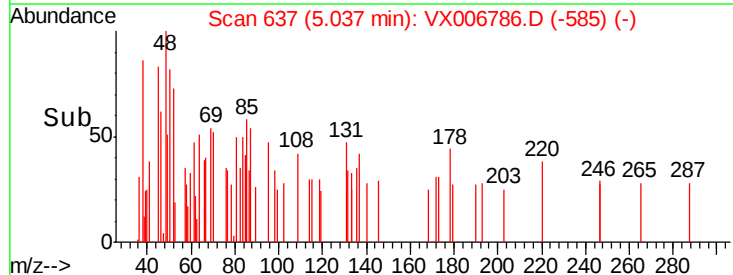
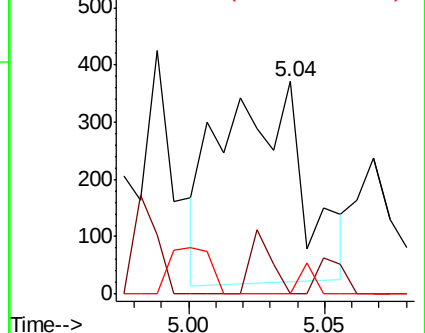
130 2.7 77.7 116.5#

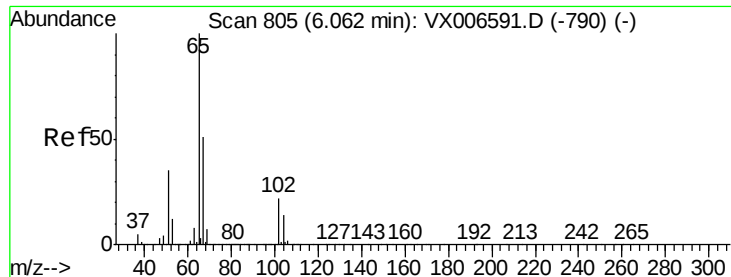


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 48.480 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

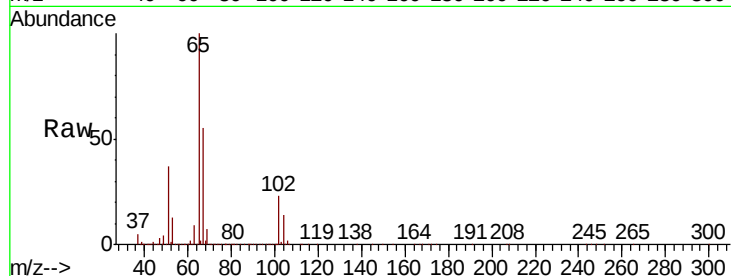
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 332139

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

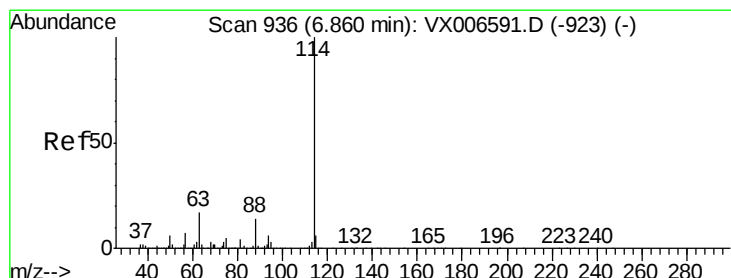
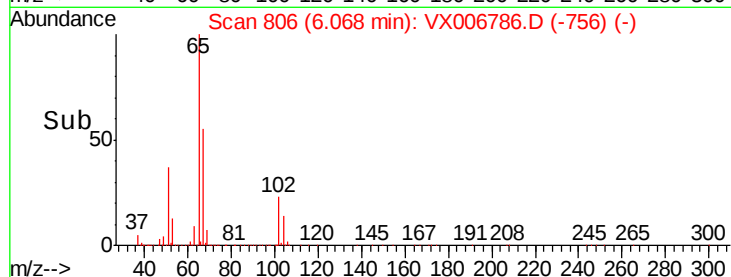
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

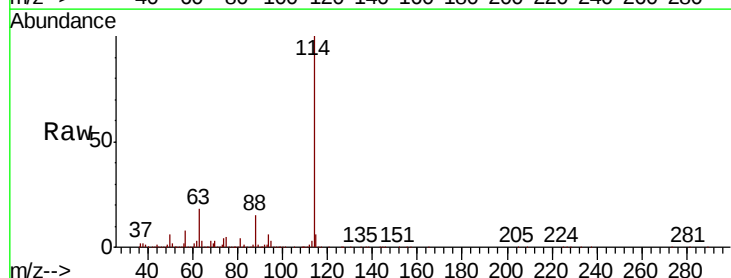
Tgt Ion: 114 Resp: 969447

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

88 14.9 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

6.86

500000

400000

300000

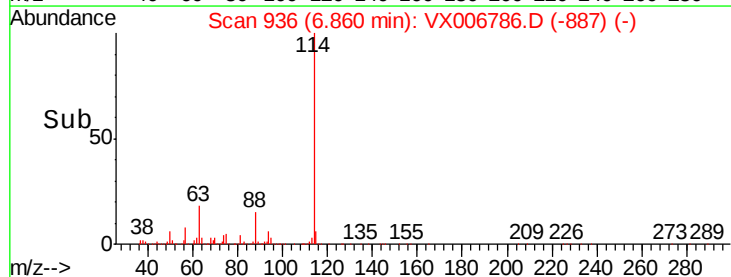
200000

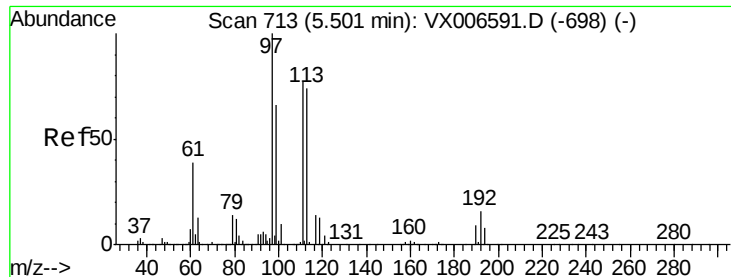
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 49.010 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

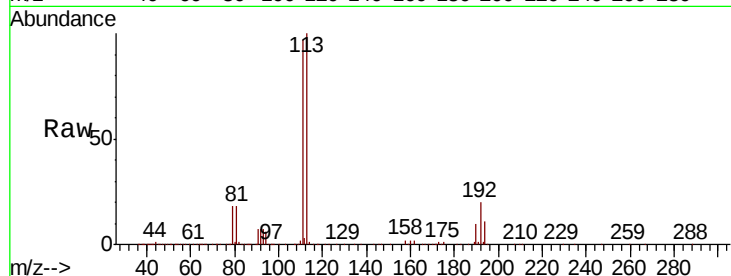
Tot Ion:113 Resp: 300462

Ion Ratio Lower Upper

113 100

111 100.7 81.6 122.4

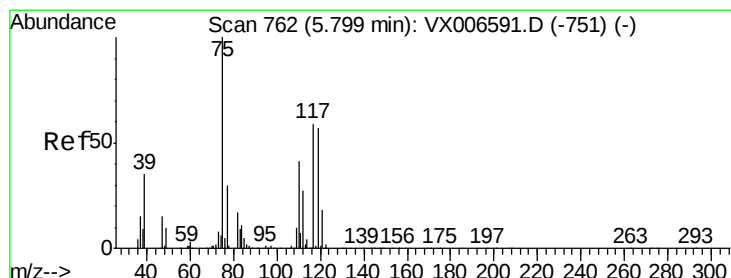
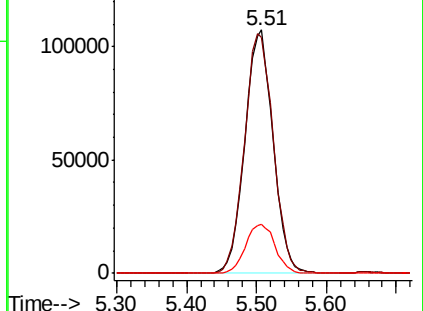
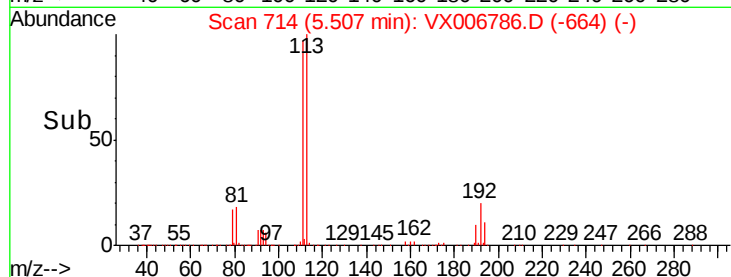
192 21.2 16.7 25.1



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: 5.060 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

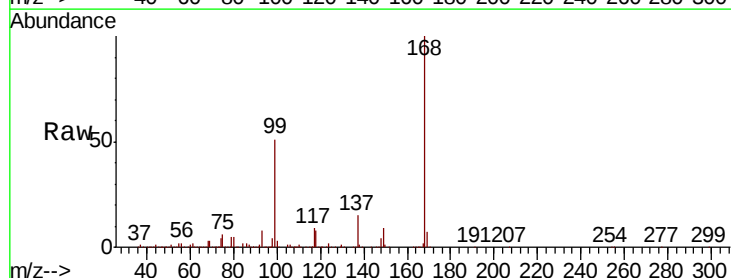
Tgt Ion: 75 Resp: 40624

Ion Ratio Lower Upper

75 100

110 10.0 20.2 60.5#

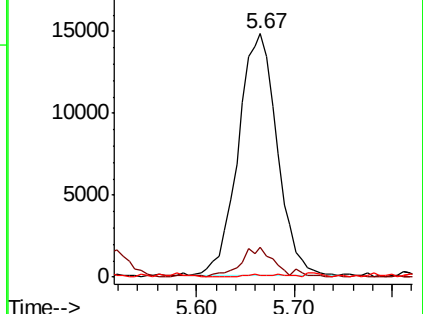
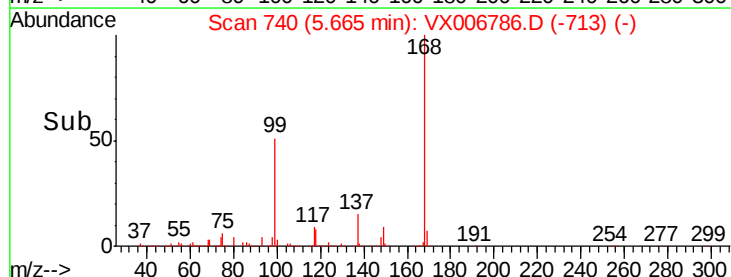
77 0.7 24.8 37.2#

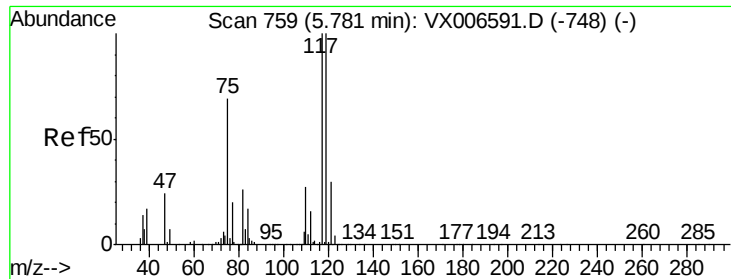


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.493 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

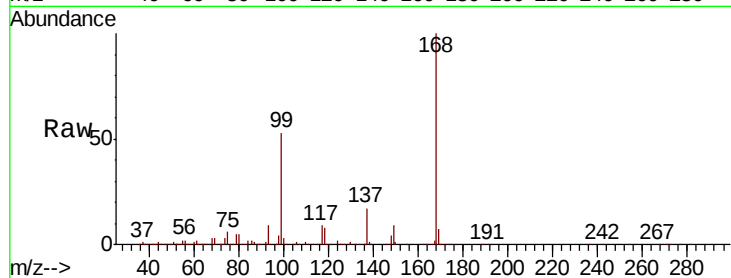
Tot Ion:117 Resp: 58469

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

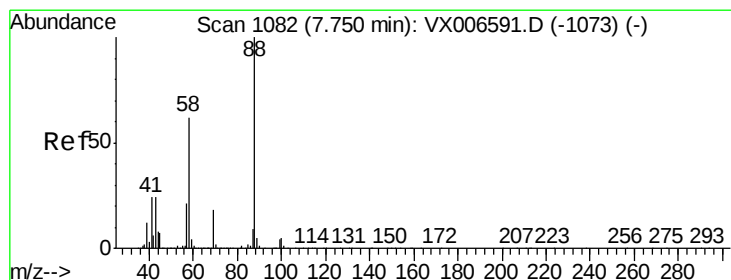
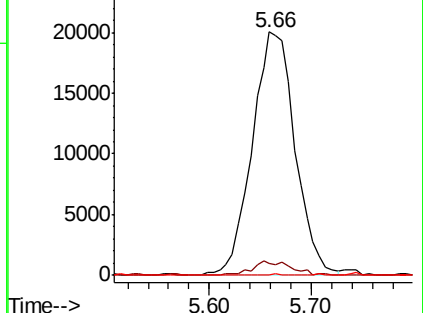
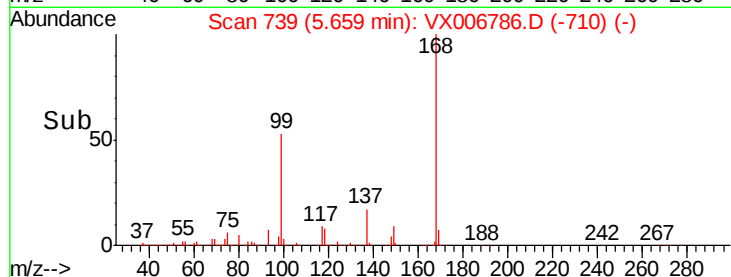
121 0.4 24.0 36.0#



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: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

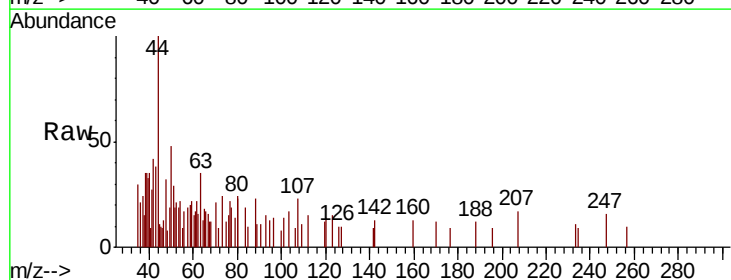
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 244.9 22.2 33.4#

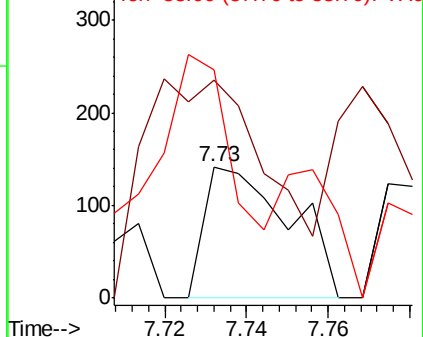
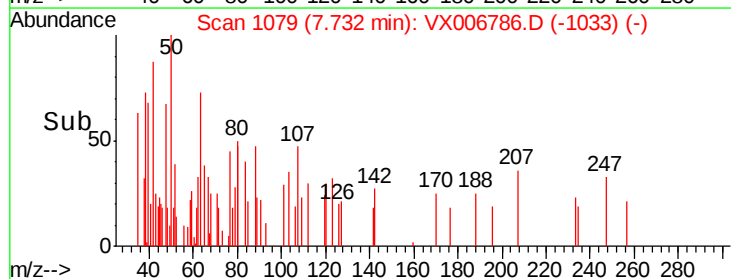
58 197.6 51.0 76.4#

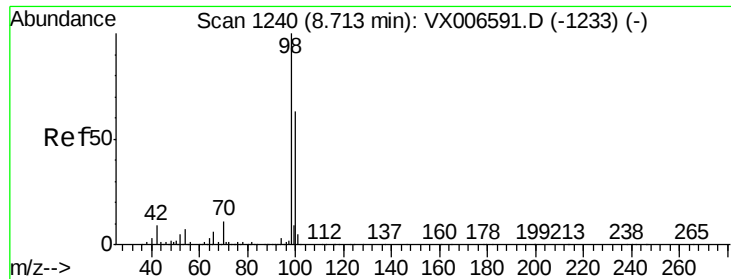


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.878 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

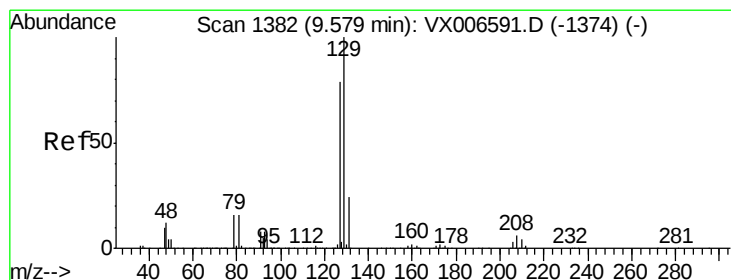
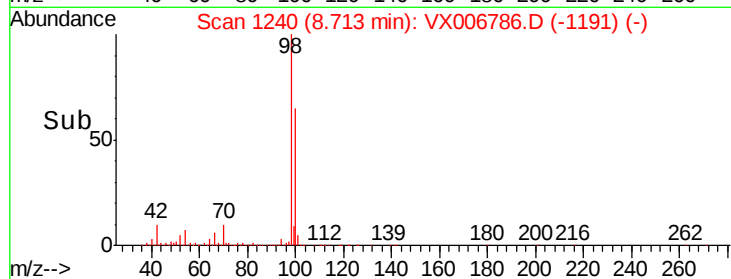
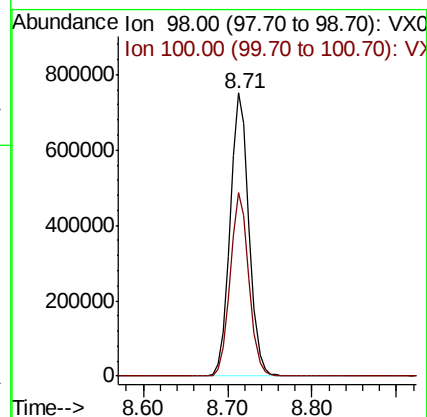
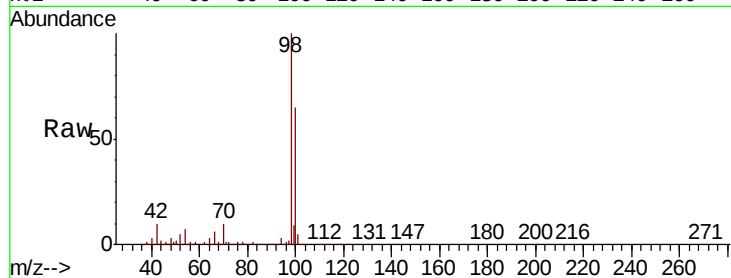
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1152805

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#60

Dibromochloromethane

Concen: 2.375 ug/l

RT: 9.59 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX006786.D

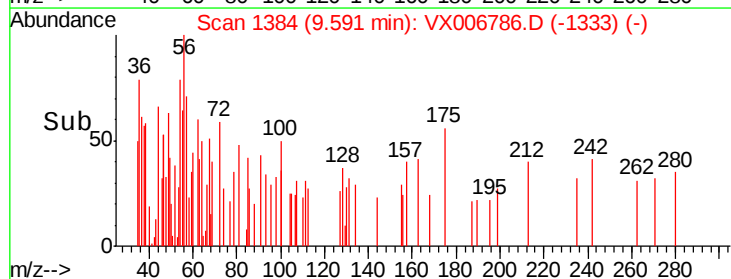
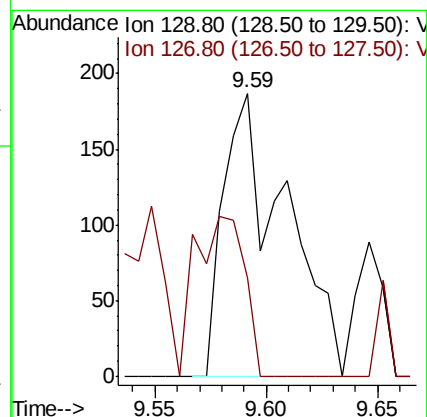
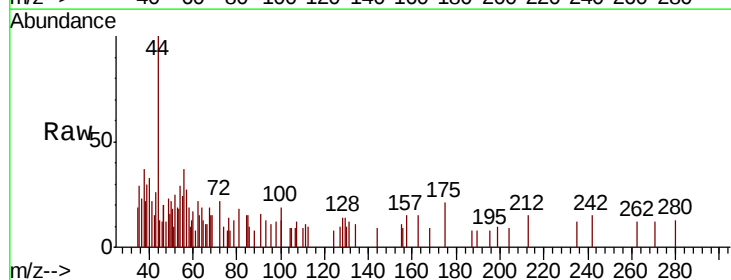
Acq: 24 Dec 2018 11:19

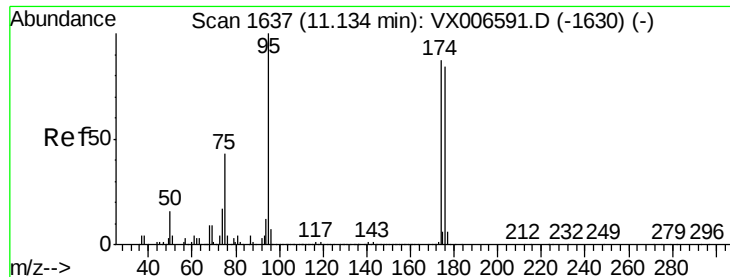
Tgt Ion: 129 Resp: 360

Ion Ratio Lower Upper

129 100

127 45.0 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 47.827 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

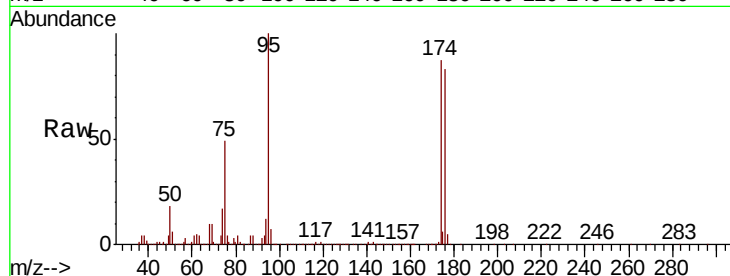
Tot Ion: 95 Resp: 404845

Ion Ratio Lower Upper

95 100

174 89.7 0.0 182.2

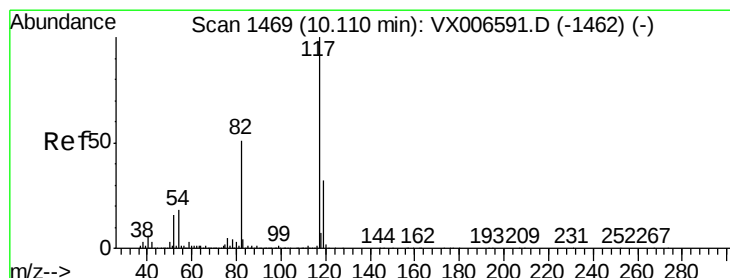
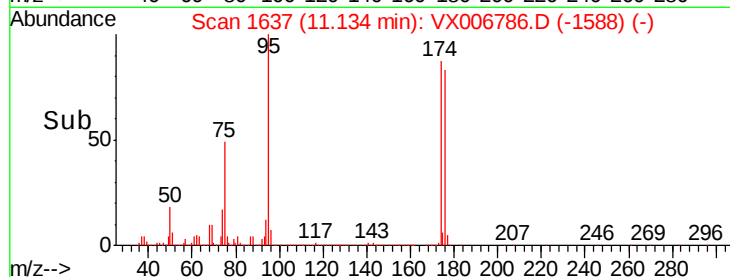
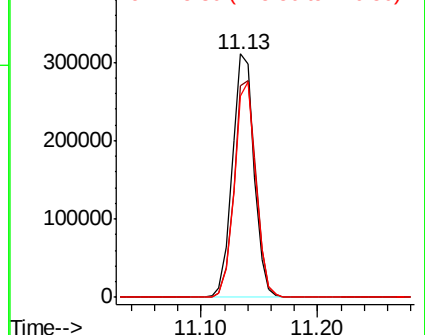
176 87.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

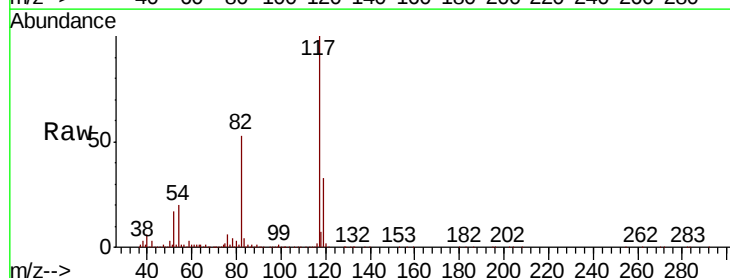
Tgt Ion: 117 Resp: 883604

Ion Ratio Lower Upper

117 100

82 53.0 41.0 61.6

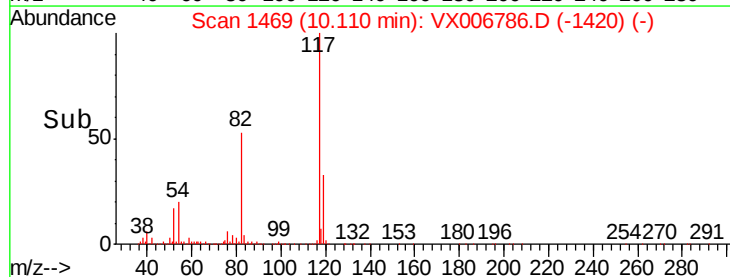
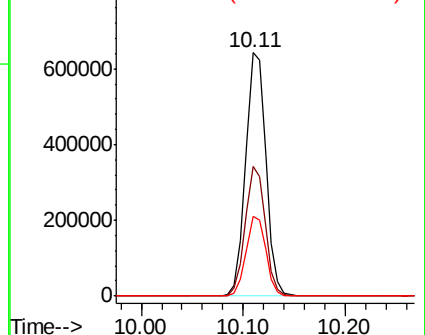
119 32.6 25.4 38.0

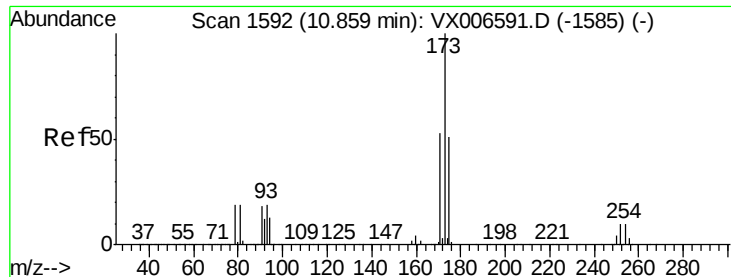


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)





#71

Bromoform

Concen: 4.482 ug/l

RT: 11.03 min Scan# 1620

Delta R.T. 0.17 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

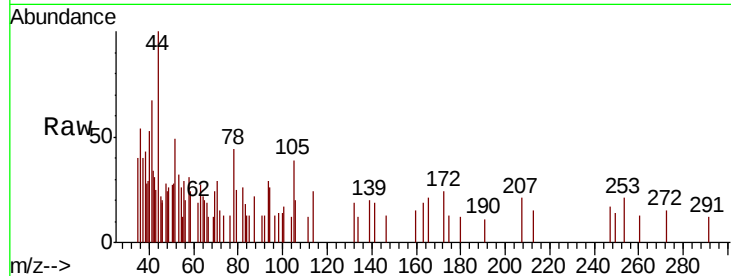
Tot Ion:173 Resp: 127

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

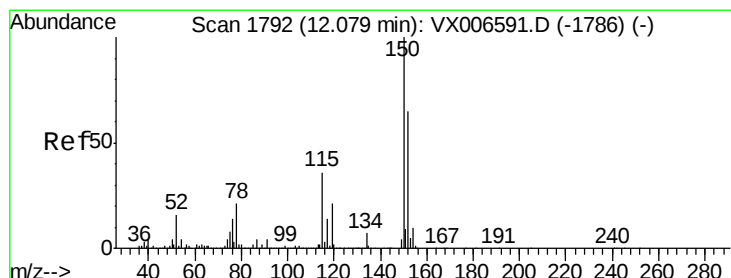
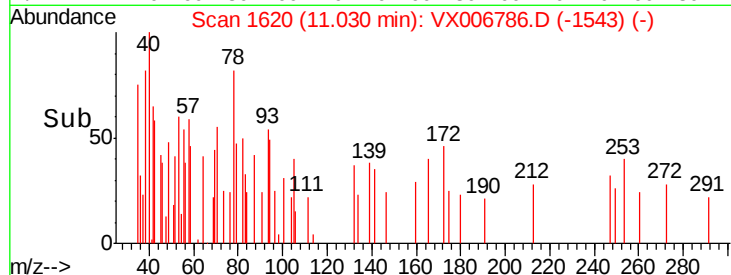
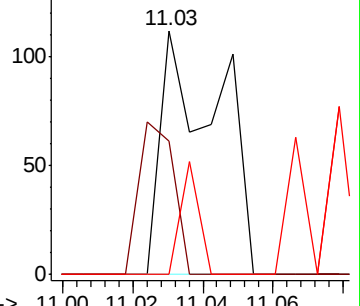
254 15.0 0.2 0.2#



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: VX006786.D

Acq: 24 Dec 2018 11:19

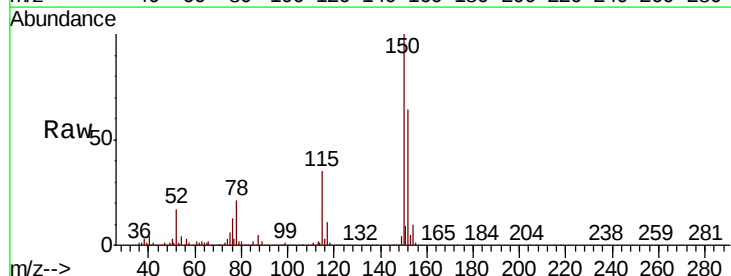
Tgt Ion:152 Resp: 424936

Ion Ratio Lower Upper

152 100

115 55.1 39.1 117.2

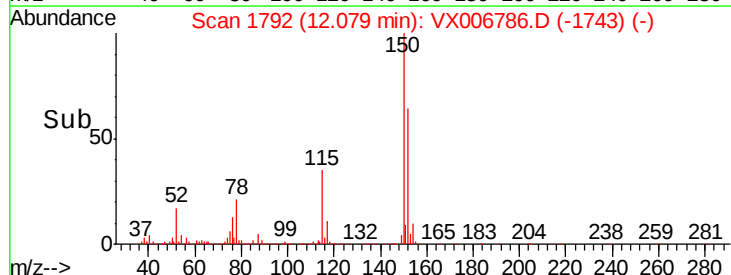
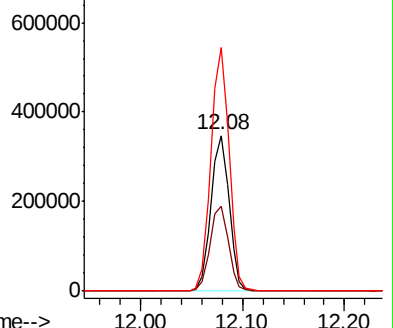
150 157.0 0.0 344.8

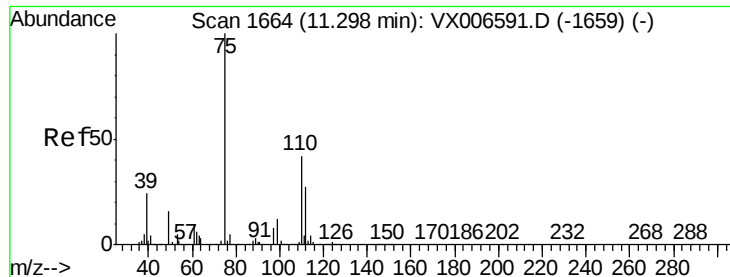


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.356 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

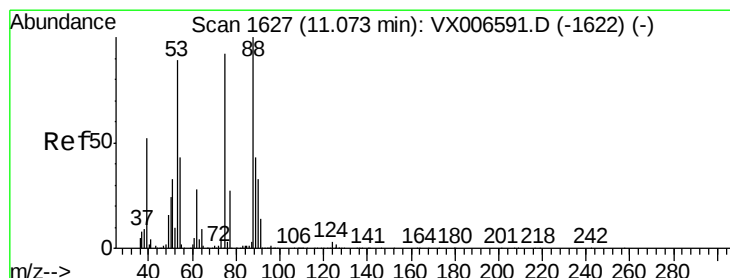
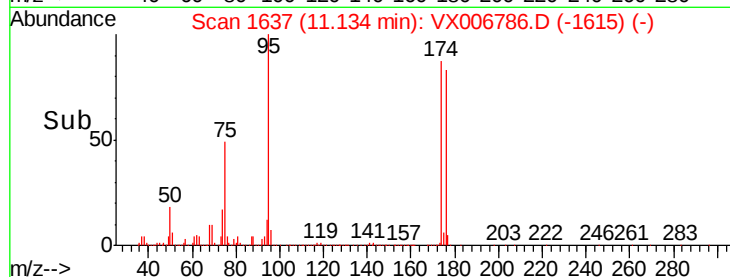
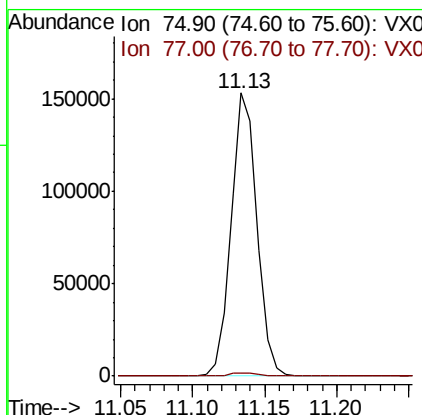
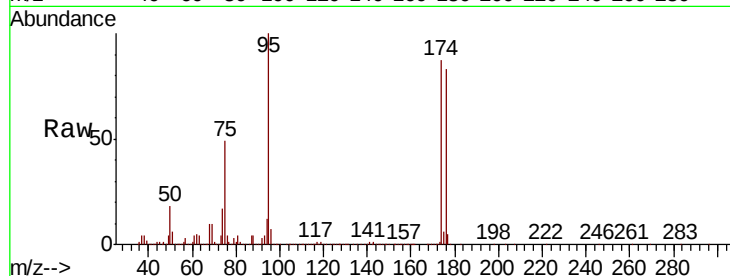
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 192340

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

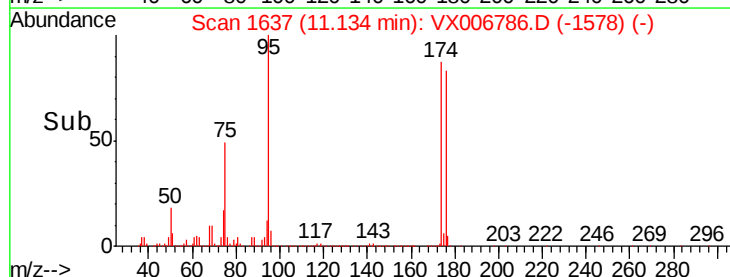
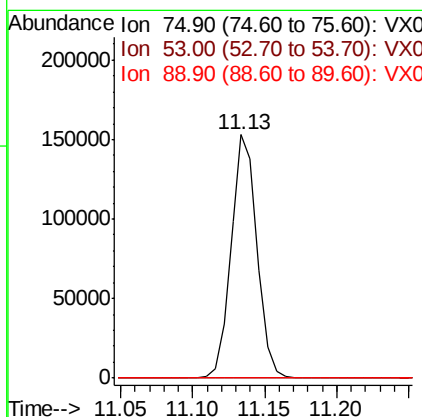
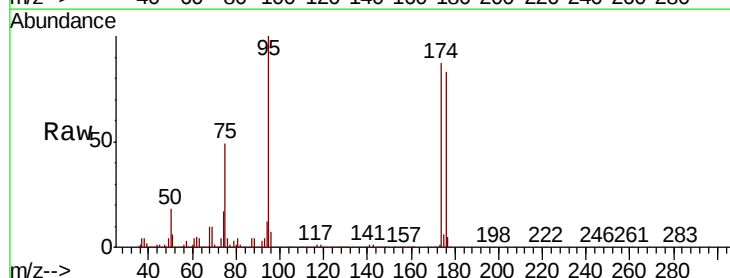
Tgt Ion: 75 Resp: 192340

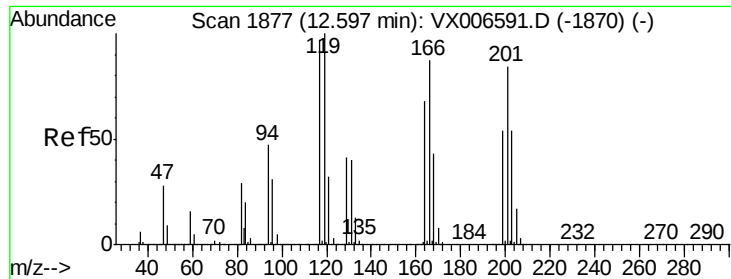
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.333 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006786.D

Acq: 24 Dec 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 170

Ion Ratio Lower Upper

117 100

201 77.6 42.9 128.7

