

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011038.D
 Acq On : 22 Jul 2019 18:10
 Operator : JC/SP
 Sample : K3901-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-WATER

Quant Time: Jul 23 03:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148930	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	118937	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.50	113	108149	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	417621	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	148700	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

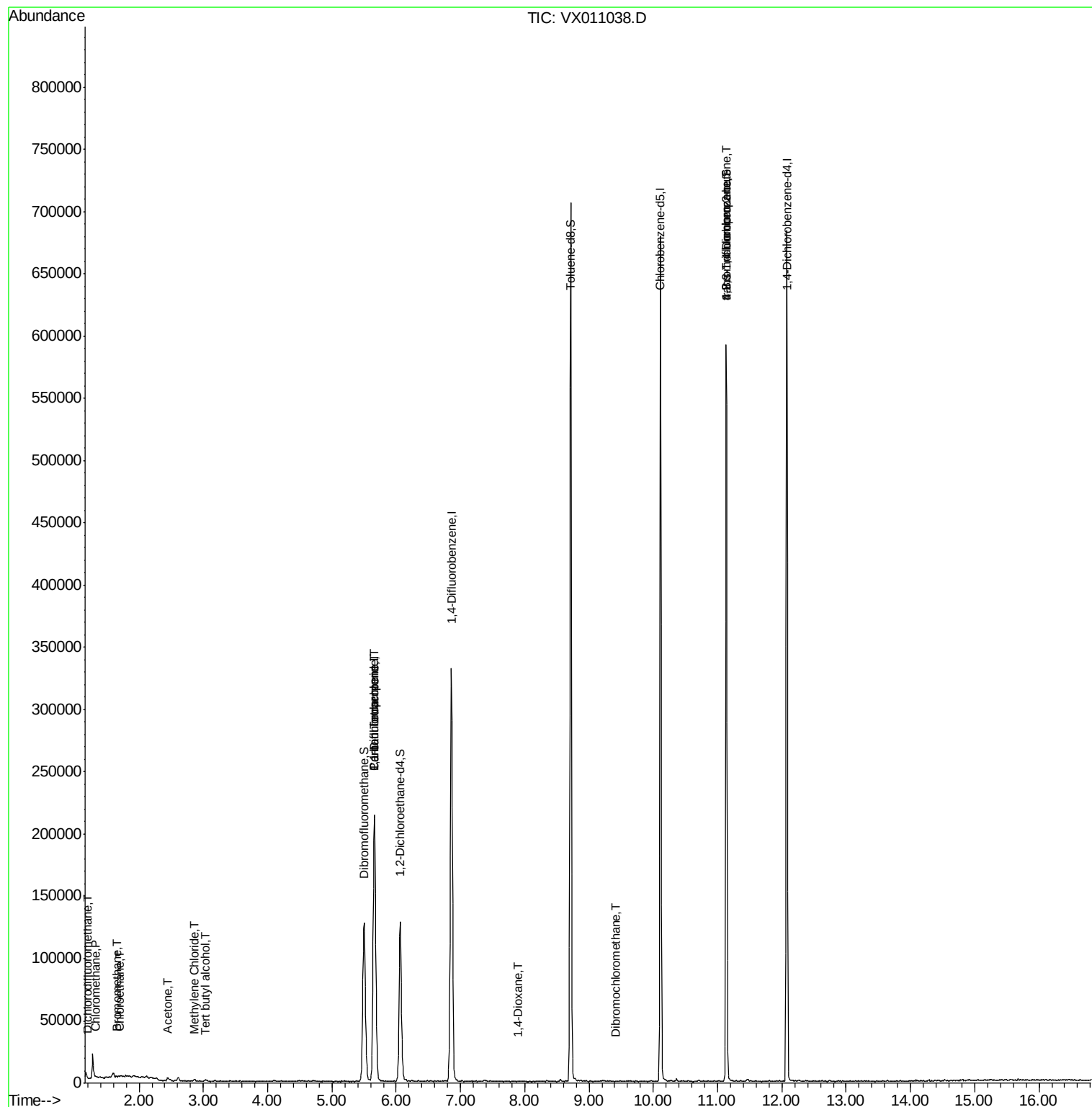
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	44	0.565	ug/l #	43
3) Chloromethane	1.33	50	520	0.262	ug/l #	76
5) Bromomethane	1.66	94	268	0.235	ug/l #	55
6) Chloroethane	1.69	64	609	0.473	ug/l #	56
11) Tert butyl alcohol	3.04	59	1229	2.299	ug/l #	85
16) Acetone	2.44	43	2924	2.820	ug/l	100
20) Methylene Chloride	2.86	84	647	0.294	ug/l #	65
36) 1,1-Dichloropropene	5.66	75	14577	5.092	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19936	6.683	ug/l #	17
49) 1,4-Dioxane	7.89	88	21	0.320	ug/l #	1
60) Dibromochloromethane	9.41	129	19	2.534	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	74832	27.844	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	74832	68.910	ug/l #	11

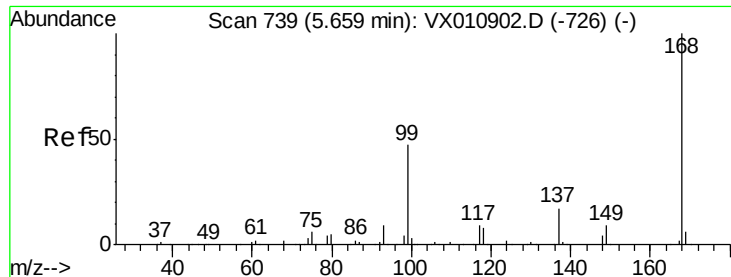
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

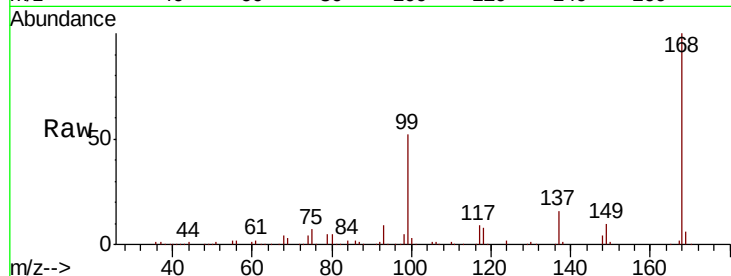
CONTAINMENT-WATER

Tot Ion:168 Resp: 215772

Ion Ratio Lower Upper

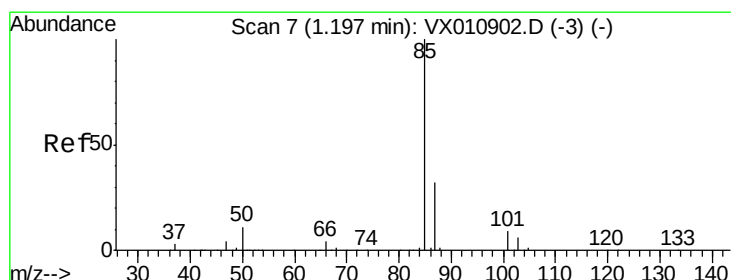
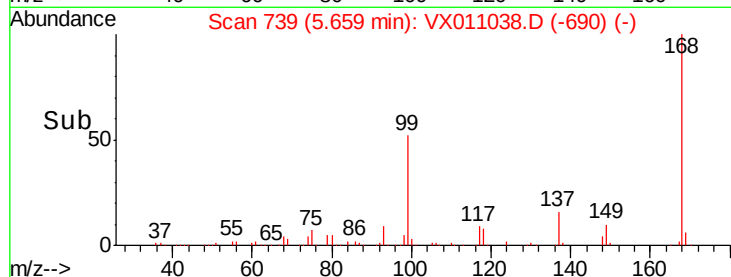
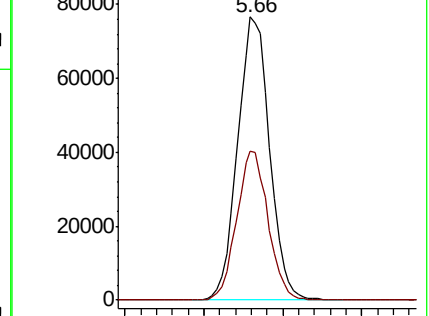
168 100

99 52.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.565 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011038.D

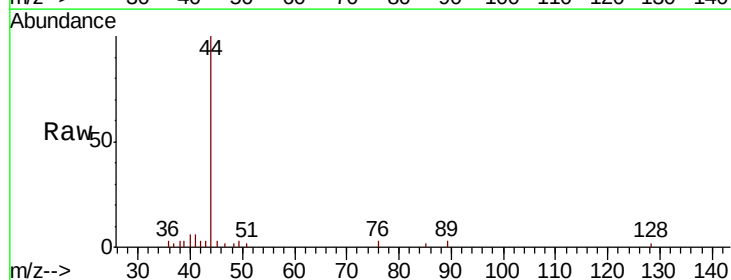
Acq: 22 Jul 2019 18:10

Tgt Ion: 85 Resp: 44

Ion Ratio Lower Upper

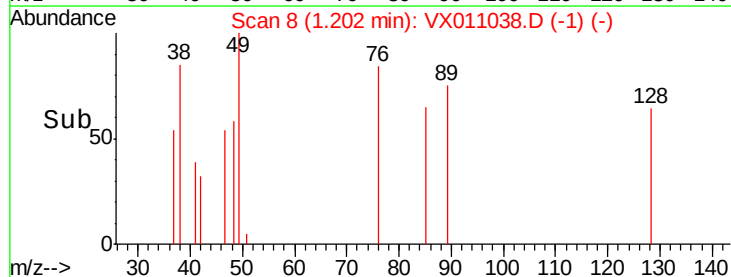
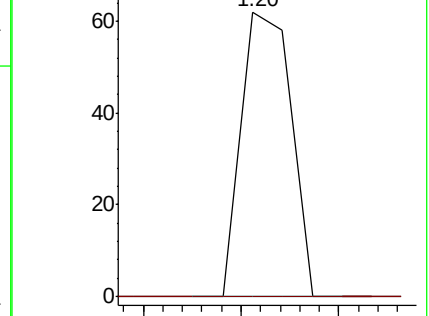
85 100

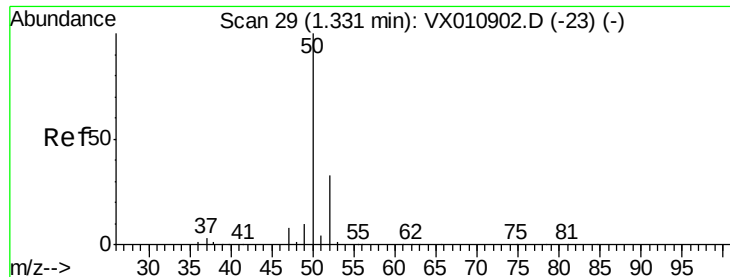
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

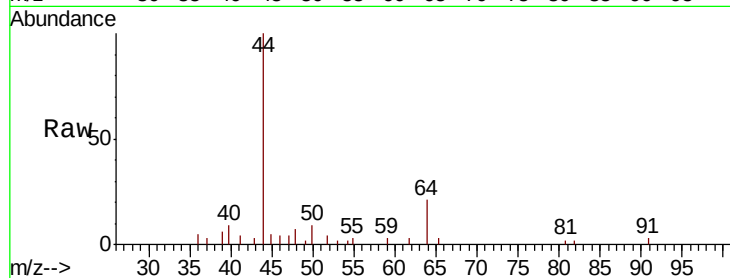
CONTAINMENT-WATER

Tot Ion: 50 Resp: 520

Ion Ratio Lower Upper

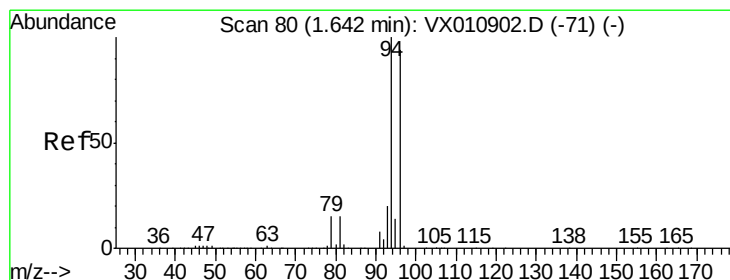
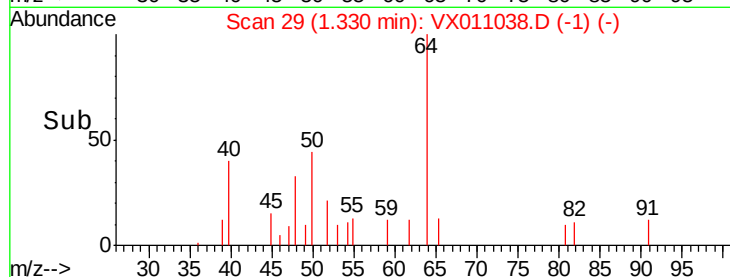
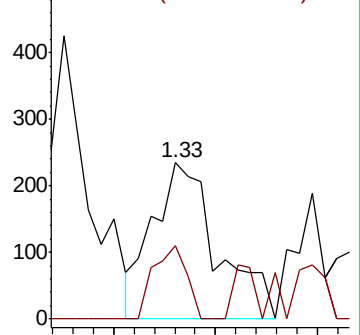
50 100

52 46.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011038.D

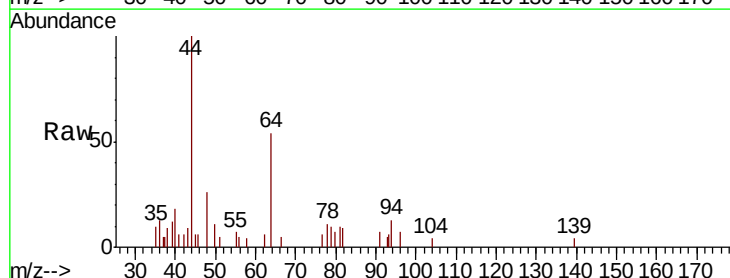
Acq: 22 Jul 2019 18:10

Tgt Ion: 94 Resp: 268

Ion Ratio Lower Upper

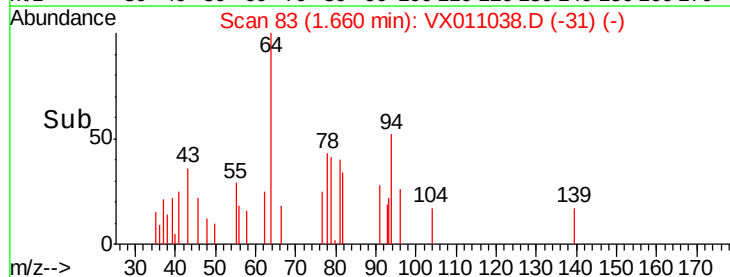
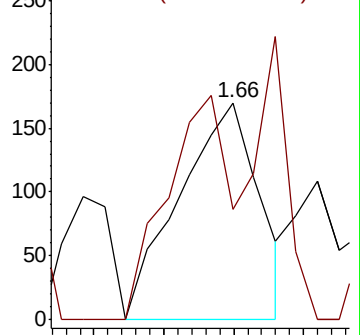
94 100

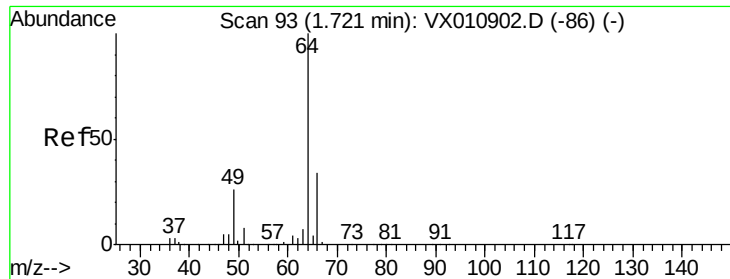
96 50.6 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.473 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

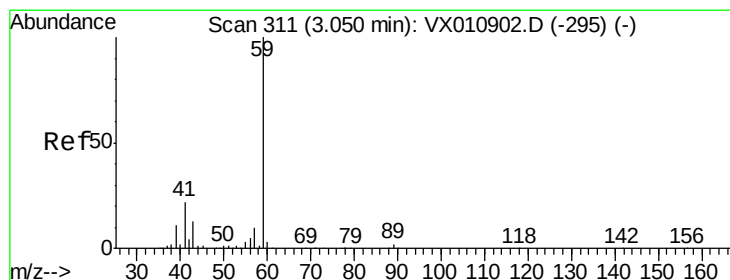
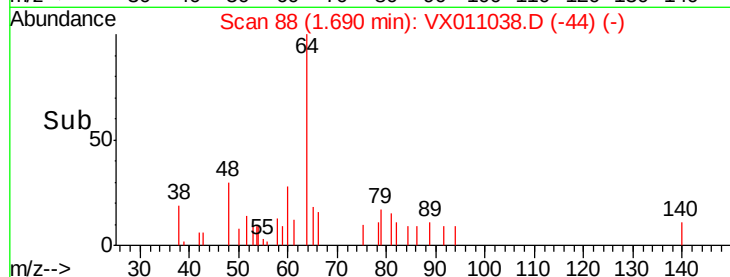
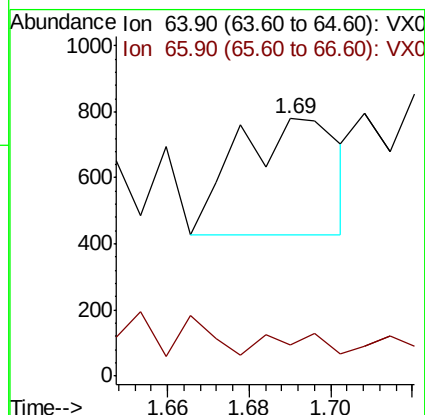
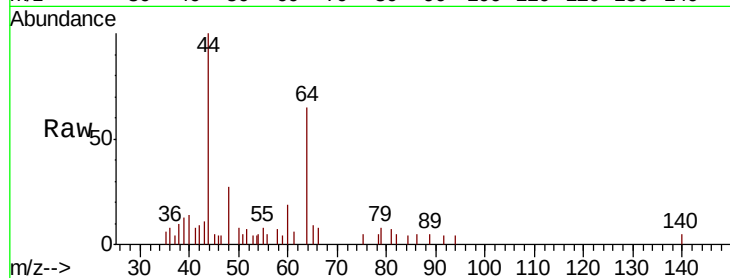
CONTAINMENT-WATER

Tot Ion: 64 Resp: 609

Ion Ratio Lower Upper

64 100

66 8.5 27.0 40.6#



#11

Tert butyl alcohol

Concen: 2.299 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX011038.D

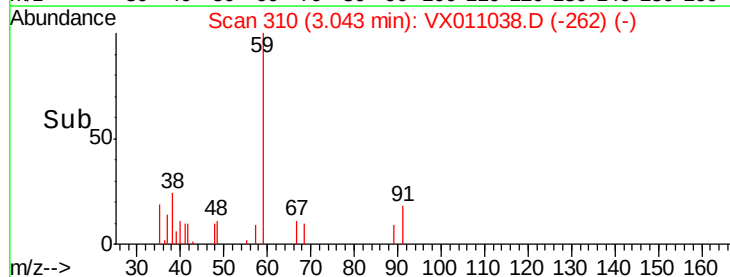
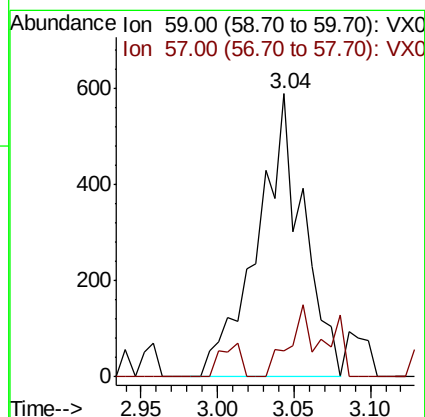
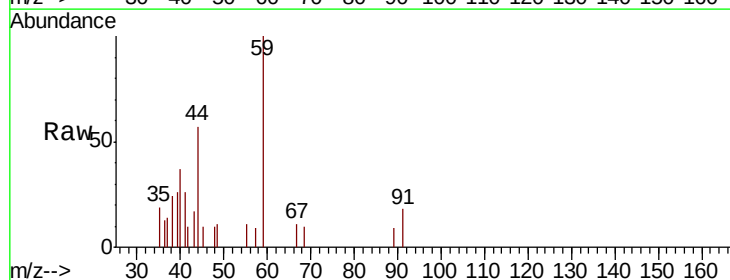
Acq: 22 Jul 2019 18:10

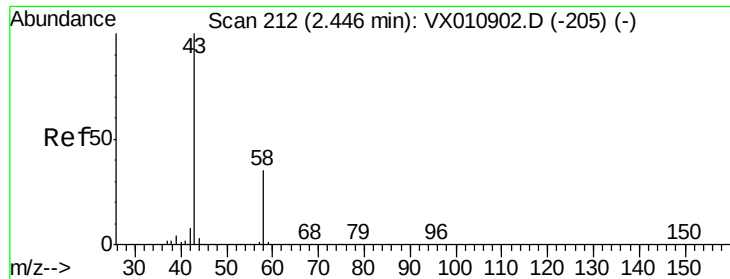
Tgt Ion: 59 Resp: 1229

Ion Ratio Lower Upper

59 100

57 15.4 7.9 11.9#





#16

Acetone

Concen: 2.820 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

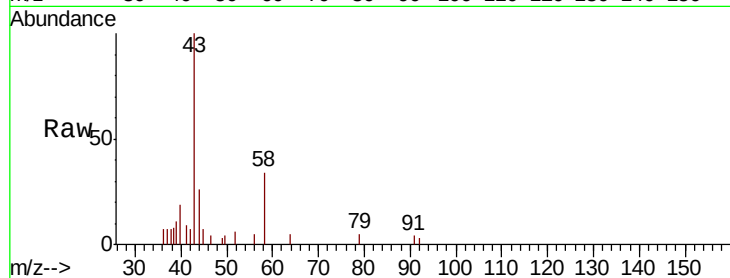
CONTAINMENT-WATER

Tot Ion: 43 Resp: 2924

Ion Ratio Lower Upper

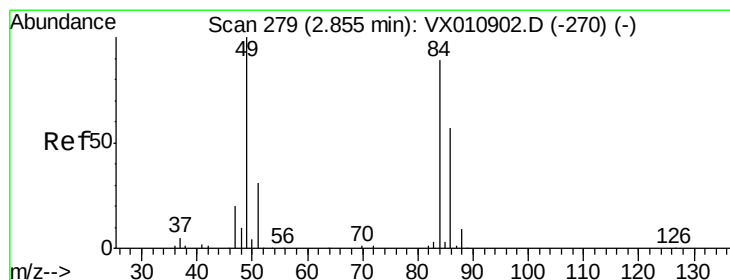
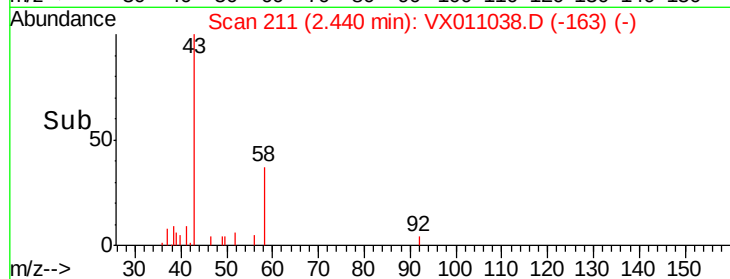
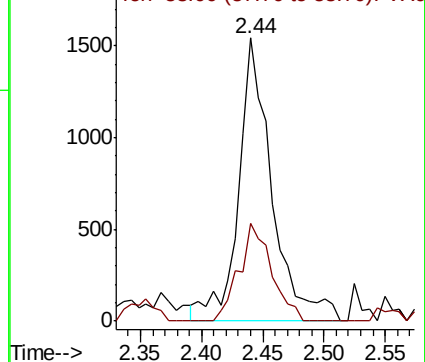
43 100

58 34.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.294 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Tgt Ion: 84 Resp: 647

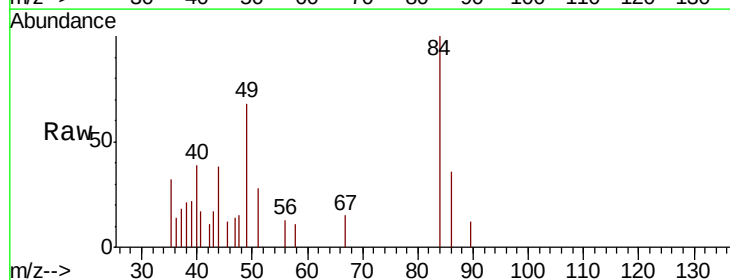
Ion Ratio Lower Upper

84 100

49 67.8 89.9 134.9#

51 28.5 27.8 41.6

86 35.9 51.8 77.6#

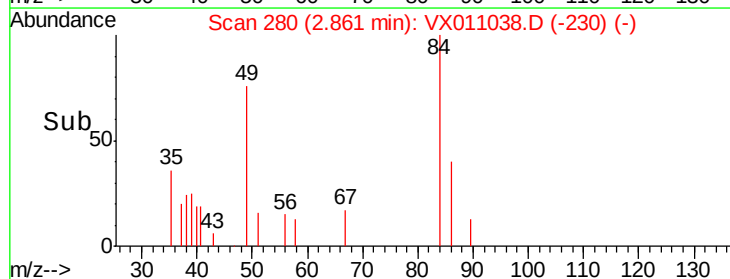
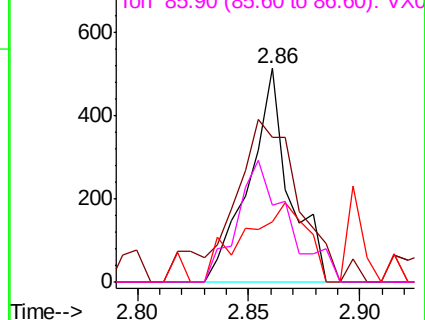


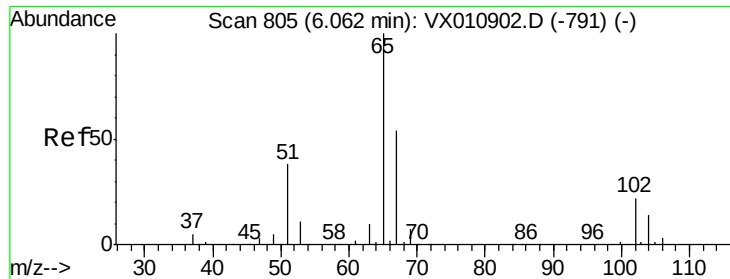
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

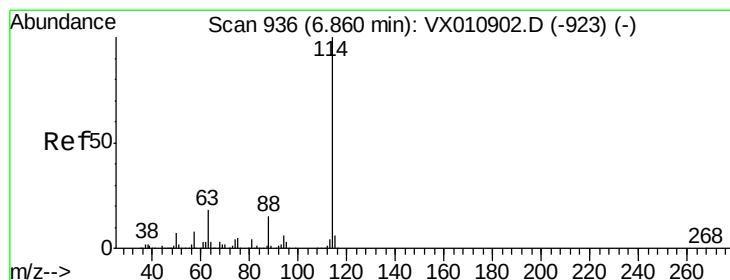
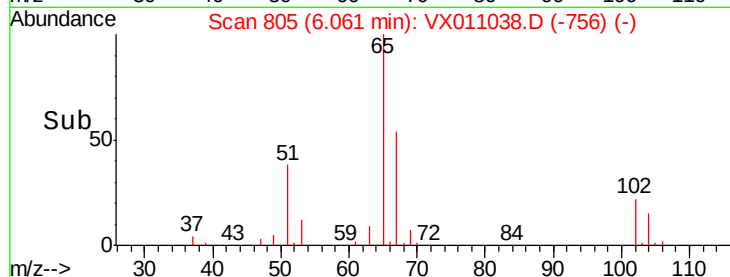
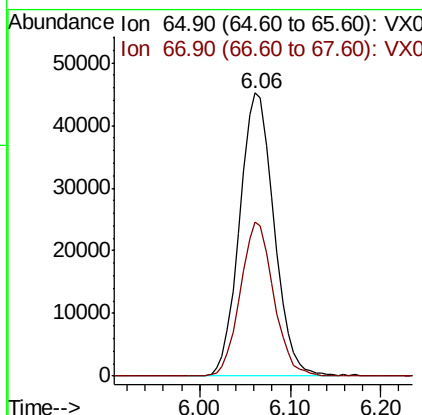
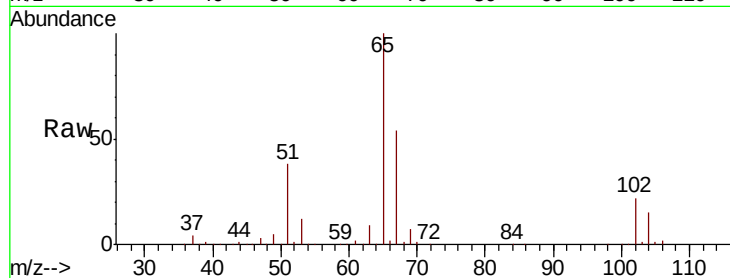




#33
 1,2-Dichloroethane-d4
 Concen: 51.813 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011038.D
 Acq: 22 Jul 2019 18:10

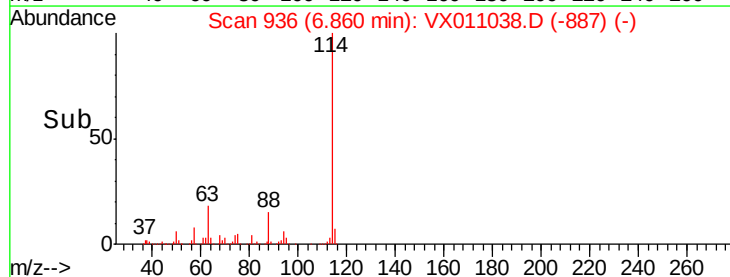
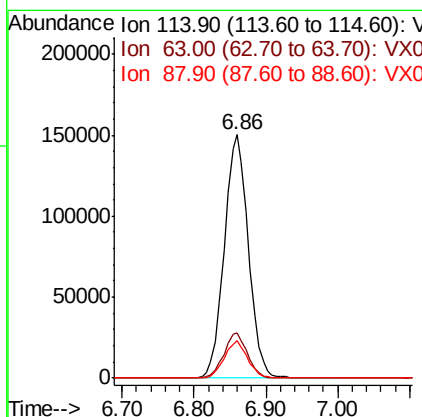
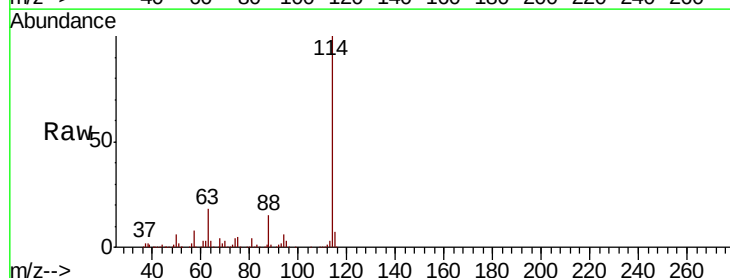
Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-WATER

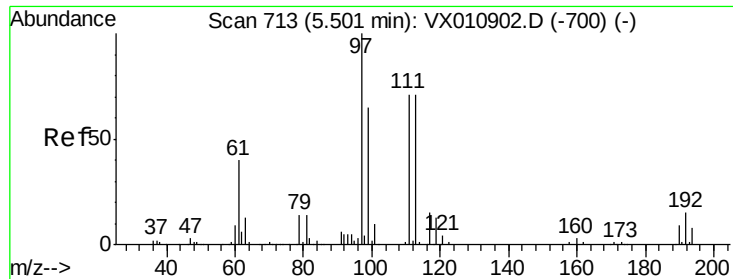
Tot Ion: 65 Resp: 118937
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011038.D
 Acq: 22 Jul 2019 18:10

Tgt Ion: 114 Resp: 348535
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 15.4 0.0 29.8

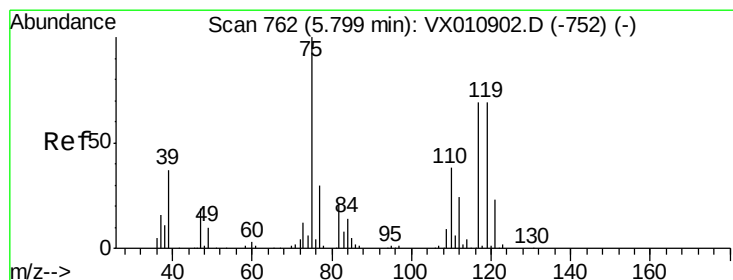
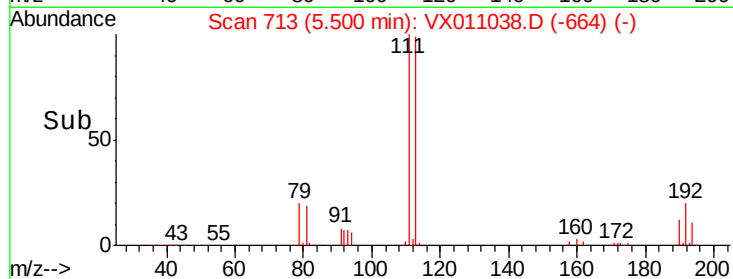
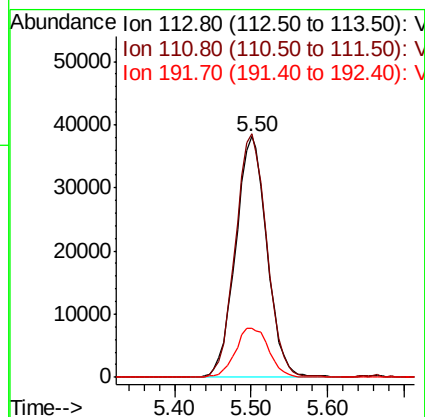
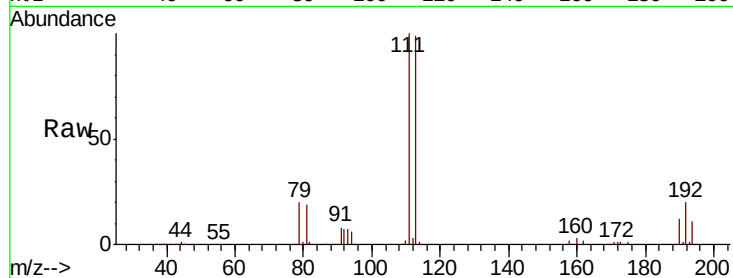




#35
 Dibromofluoromethane
 Concen: 48.887 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX011038.D
 Acq: 22 Jul 2019 18:10

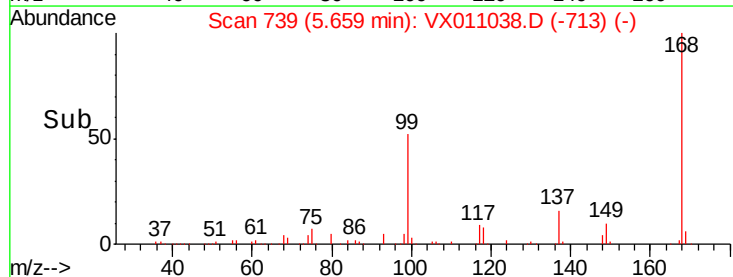
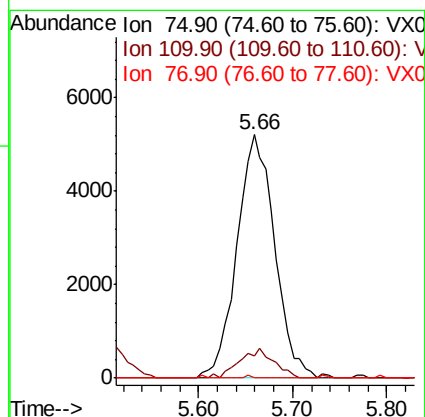
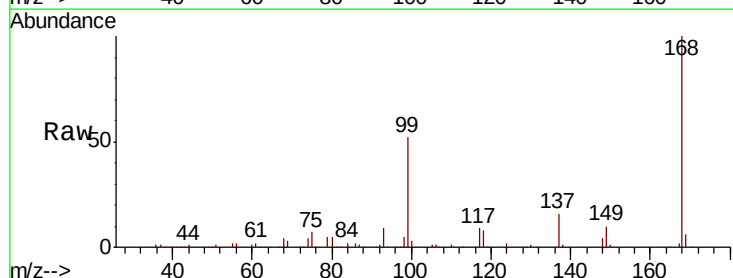
Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-WATER

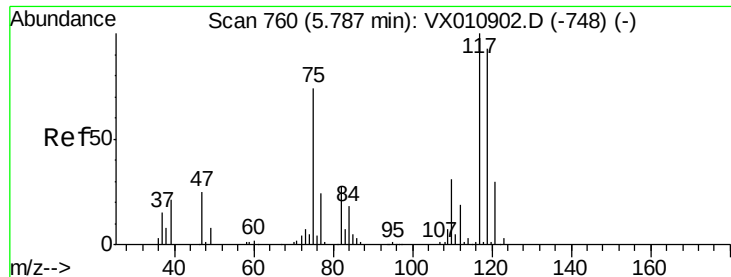
Tot Ion:113 Resp: 108149
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.3 123.5
 192 21.7 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.092 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX011038.D
 Acq: 22 Jul 2019 18:10

Tgt Ion: 75 Resp: 14577
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.9 59.7#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.683 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-WATER

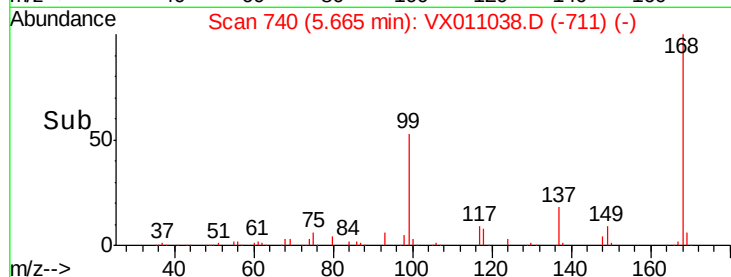
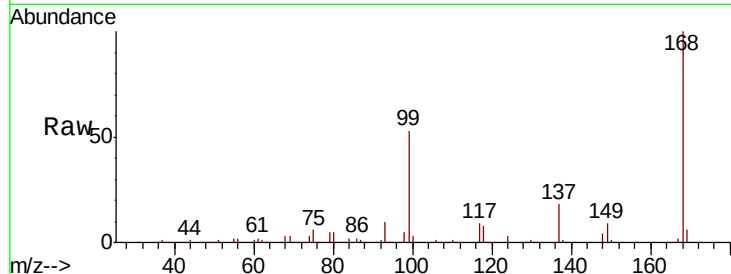
Tot Ion:117 Resp: 19936

Ion Ratio Lower Upper

117 100

119 4.2 74.2 111.2#

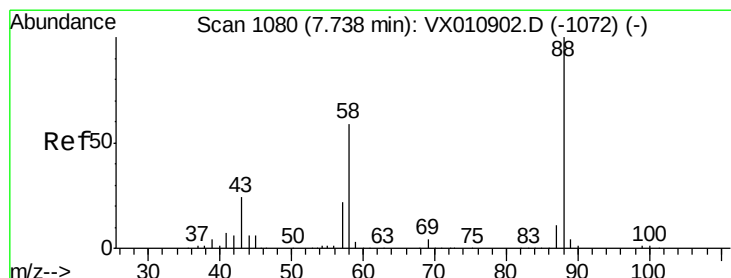
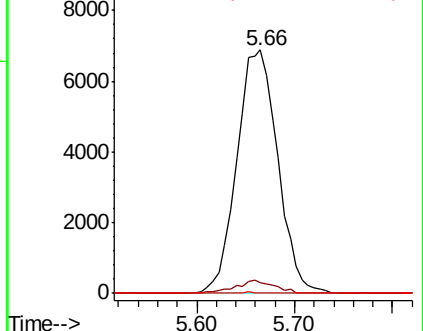
121 0.0 24.2 36.2#



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: 0.320 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.15 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

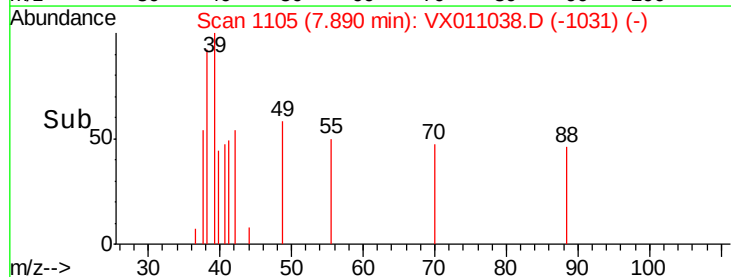
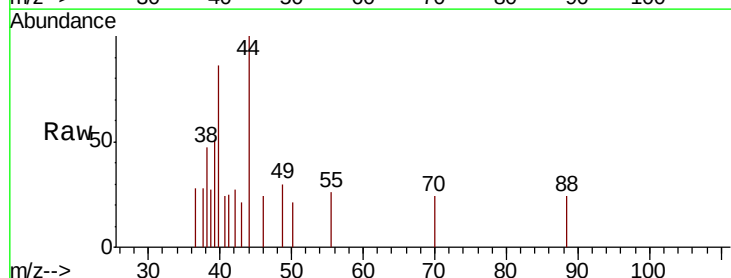
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 638.1 22.9 34.3#

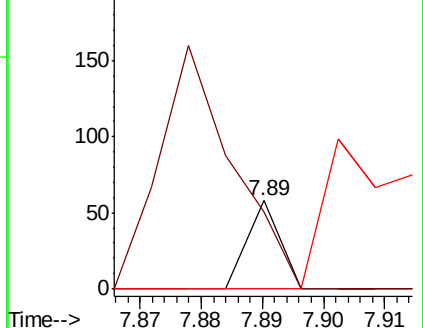
58 0.0 49.8 74.8#

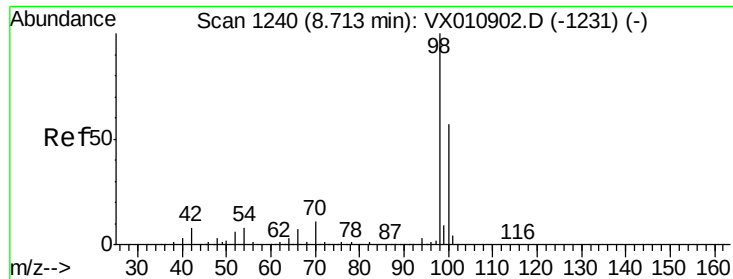


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.332 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

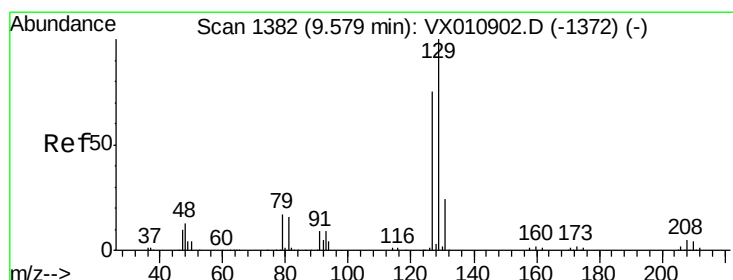
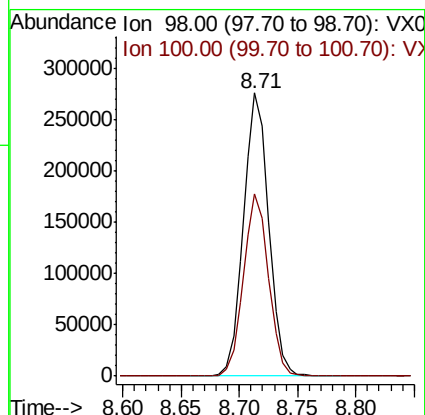
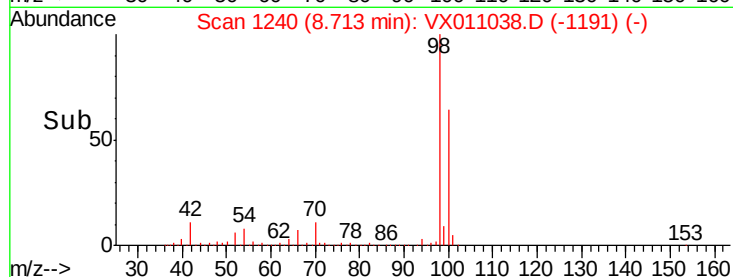
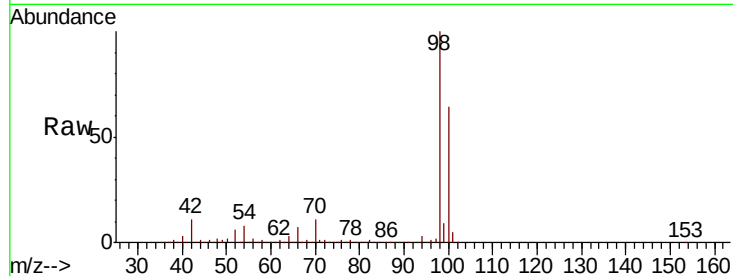
CONTAINMENT-WATER

Tot Ion: 98 Resp: 417621

Ion Ratio Lower Upper

98 100

100 63.9 50.6 75.8



#60

Dibromochloromethane

Concen: 2.534 ug/l

RT: 9.41 min Scan# 1355

Delta R.T. -0.16 min

Lab File: VX011038.D

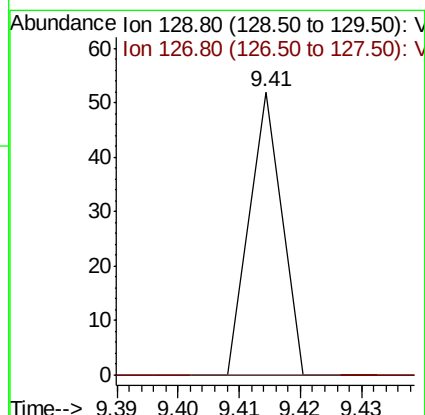
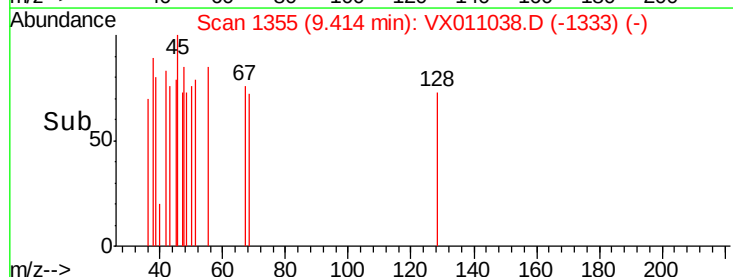
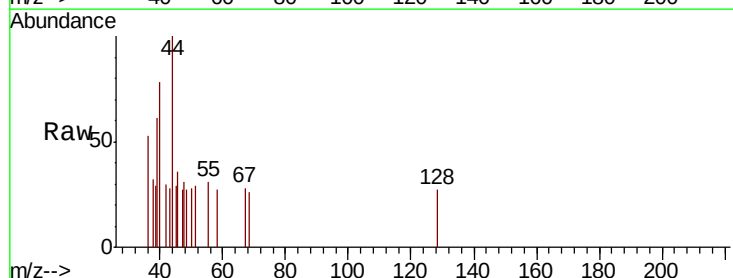
Acq: 22 Jul 2019 18:10

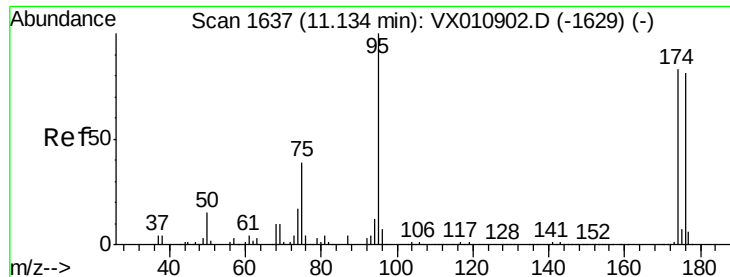
Tgt Ion: 129 Resp: 19

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 48.757 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-WATER

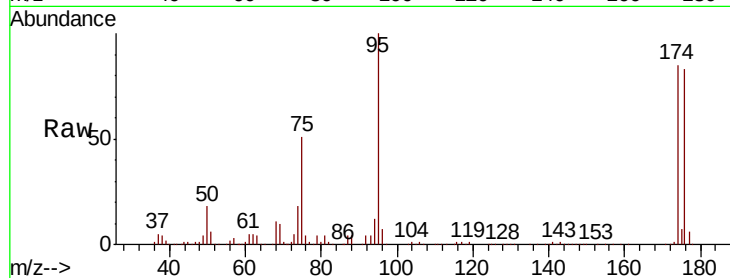
Tot Ion: 95 Resp: 148700

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.6

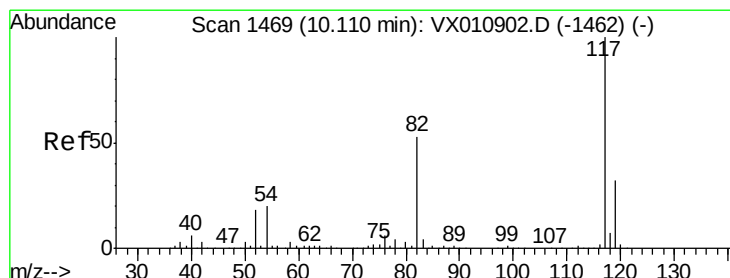
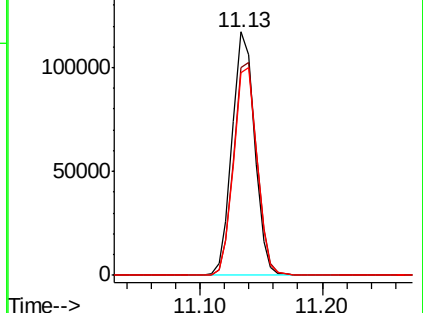
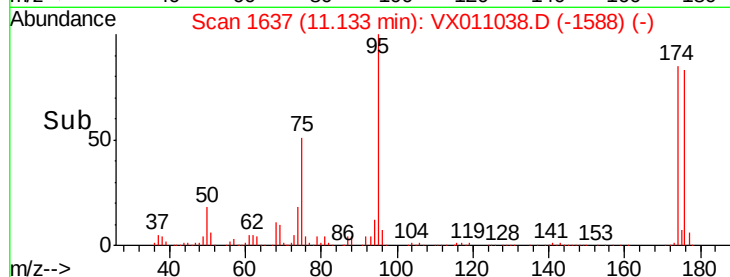
176 88.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011038.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011038.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011038.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

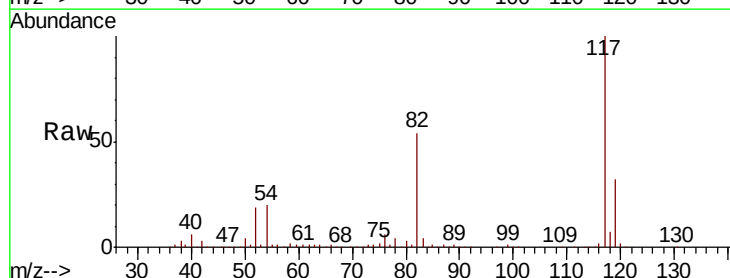
Tgt Ion: 117 Resp: 321159

Ion Ratio Lower Upper

117 100

82 53.6 42.6 63.8

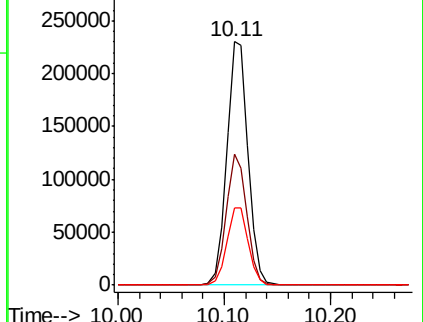
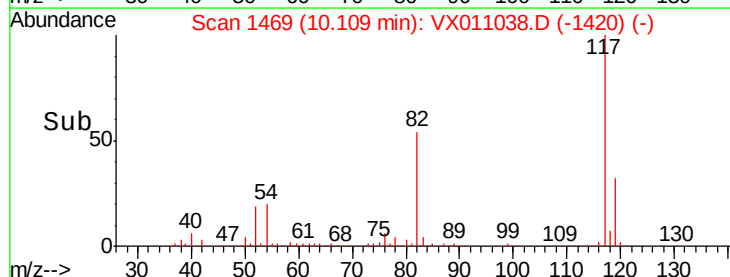
119 31.6 25.9 38.9

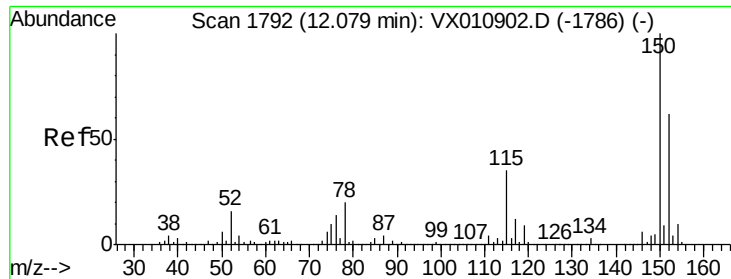


Abundance Ion 116.90 (116.60 to 117.60): VX011038.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011038.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011038.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-WATER

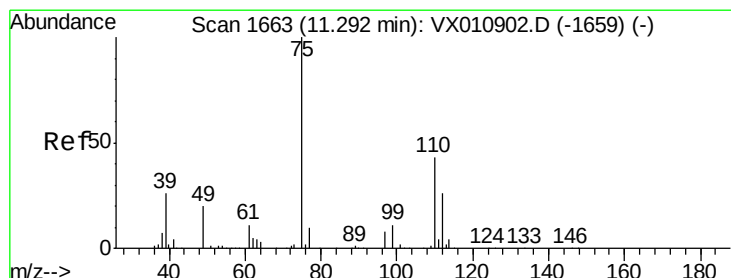
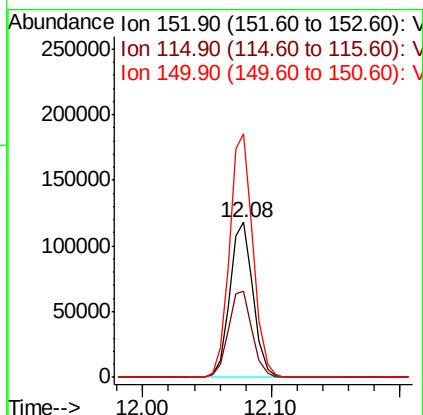
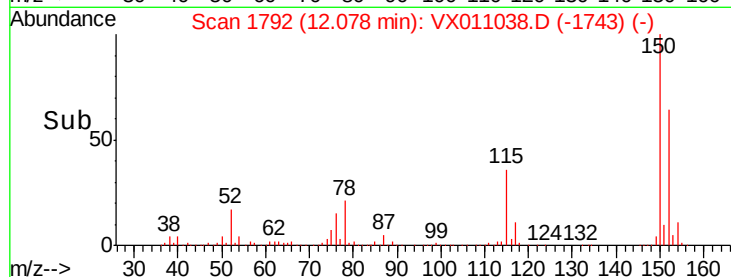
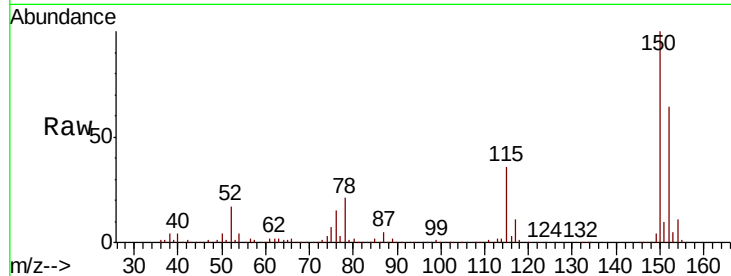
Tot Ion:152 Resp: 148930

Ion Ratio Lower Upper

152 100

115 57.1 39.7 119.1

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 27.844 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011038.D

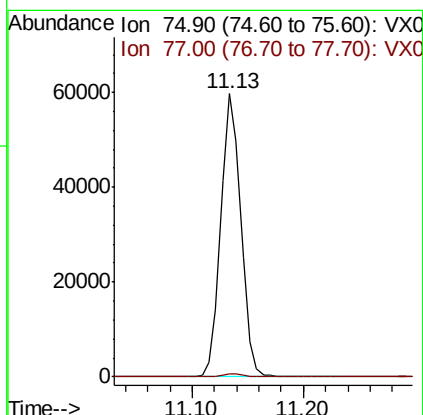
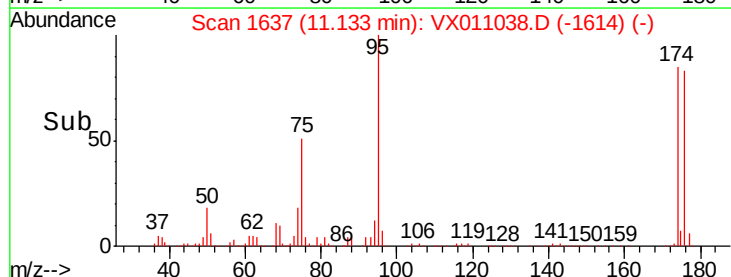
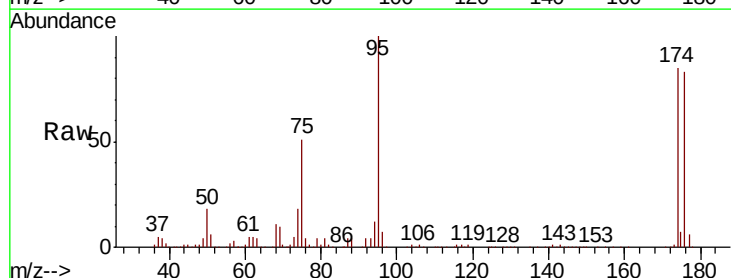
Acq: 22 Jul 2019 18:10

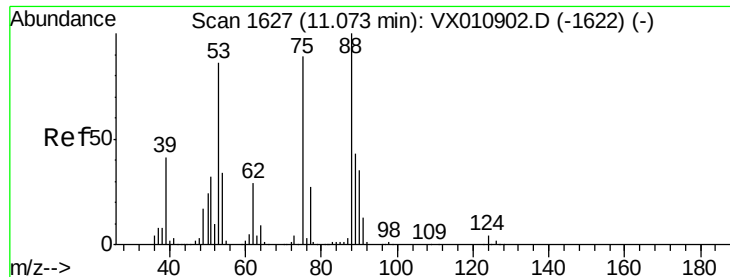
Tgt Ion: 75 Resp: 74832

Ion Ratio Lower Upper

75 100

77 1.5 21.3 64.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.910 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011038.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-WATER

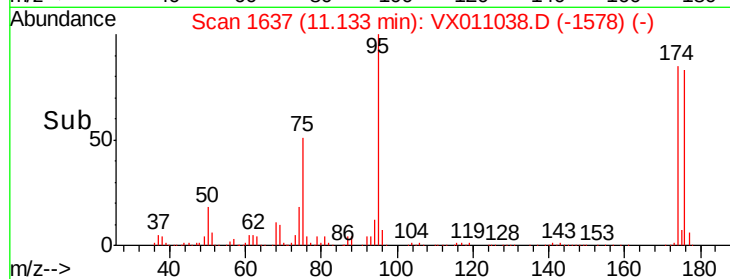
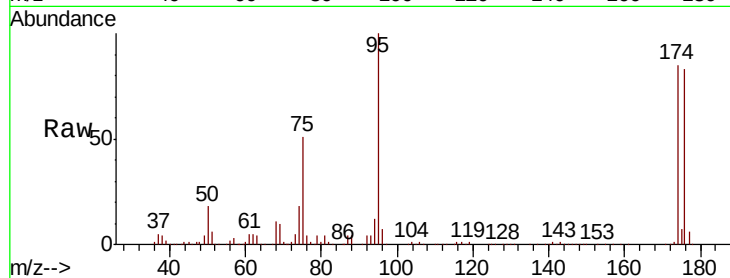
Tot Ion: 75 Resp: 74832

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#



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

