

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\
 Data File : VX018862.D
 Acq On : 09 Oct 2020 18:08
 Operator : JC/SP
 Sample : L4336-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 10 06:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 06:09:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	211684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	333286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	325925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	154077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	157759	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.47	113	116210	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.70	98	400142	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.12	95	154910	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

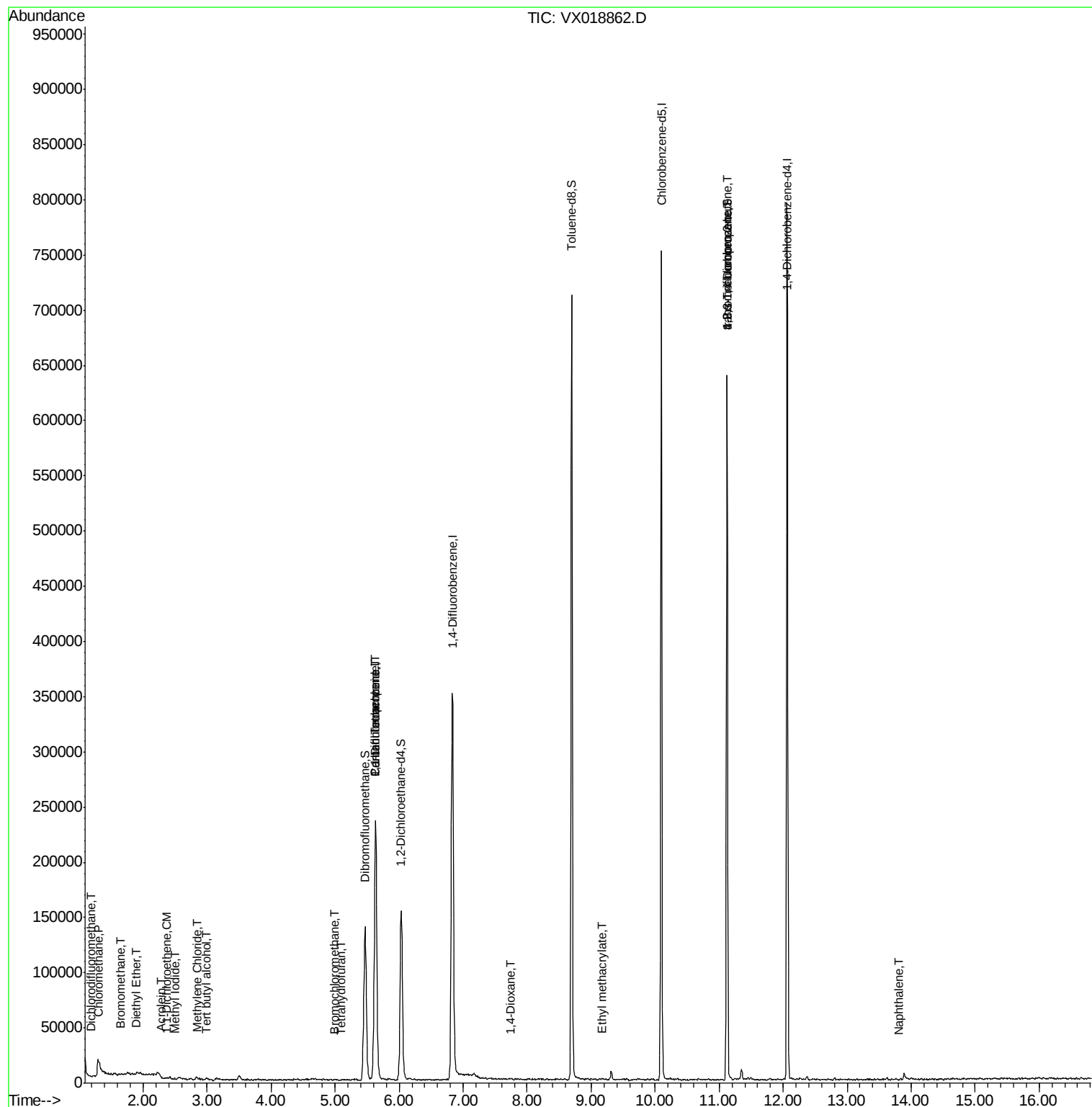
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	111	1.662	ug/l #	43
3) Chloromethane	1.31	50	1960	0.988	ug/l #	68
5) Bromomethane	1.64	94	442	0.358	ug/l #	62
8) Diethyl Ether	1.90	74	187	1.180	ug/l	80
10) Methyl Iodide	2.49	142	198	4.074	ug/l #	75
11) Tert butyl alcohol	2.99	59	844	1.716	ug/l #	70
12) 1,1-Dichloroethene	2.37	96	39	0.725	ug/l #	1
13) Acrolein	2.28	56	83	0.203	ug/l #	13
16) Acetone	2.42	43	2327	Below Cal	#	85
20) Methylene Chloride	2.84	84	995	0.946	ug/l #	72
28) Bromochloromethane	4.98	49	203	1.626	ug/l #	6
29) Tetrahydrofuran	5.08	42	204	0.225	ug/l #	56
36) 1,1-Dichloropropene	5.63	75	16541	4.720	ug/l #	52
38) Carbon Tetrachloride	5.63	117	21939	5.051	ug/l #	18
49) 1,4-Dioxane	7.74	88	49	1.225	ug/l #	1
56) Ethyl methacrylate	9.16	69	66	2.951	ug/l #	1
64) Tetrachloroethene	9.32	164	214	Below Cal	#	68
76) 1,2,3-Trichloropropane	11.12	75	82621	24.887	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	82621	70.528	ug/l #	7
95) Naphthalene	13.82	128	468	3.119	ug/l #	82

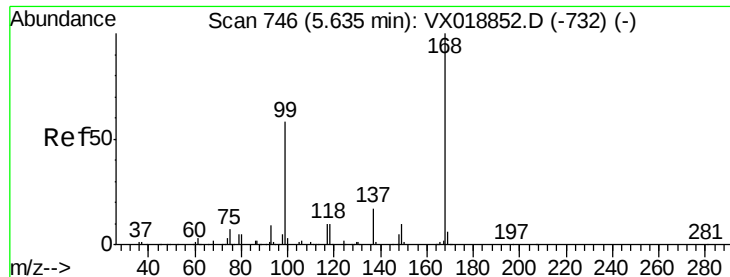
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100920\
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Quant Time: Oct 10 06:19:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 10 06:09:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

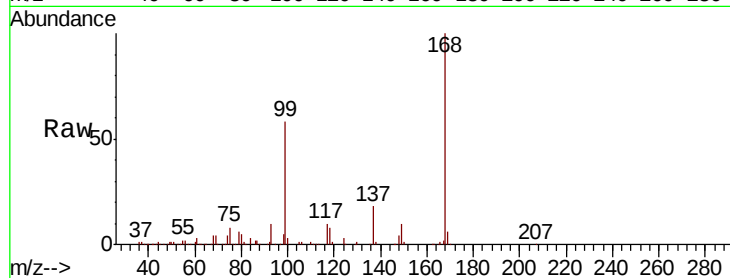
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 211684

Ion Ratio Lower Upper

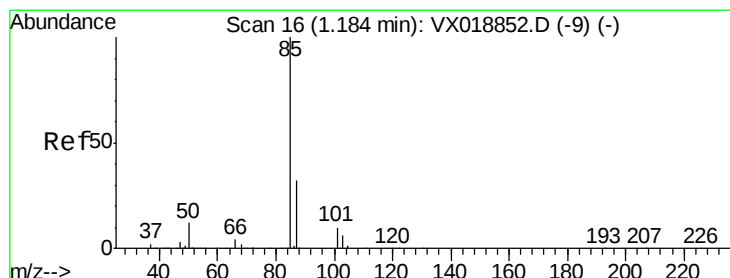
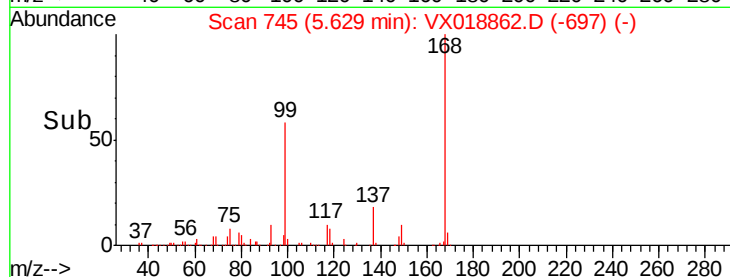
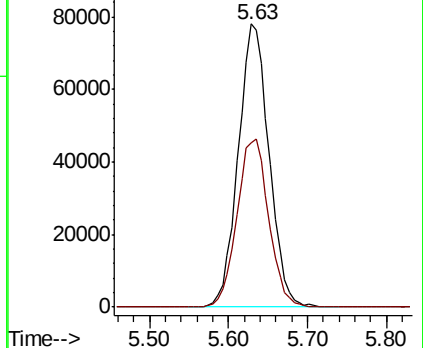
168 100

99 57.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.662 ug/l

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX018862.D

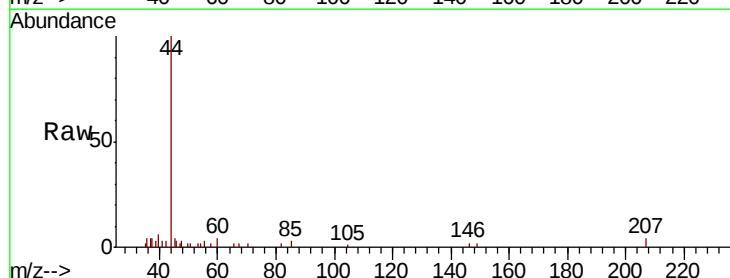
Acq: 09 Oct 2020 18:08

Tgt Ion: 85 Resp: 111

Ion Ratio Lower Upper

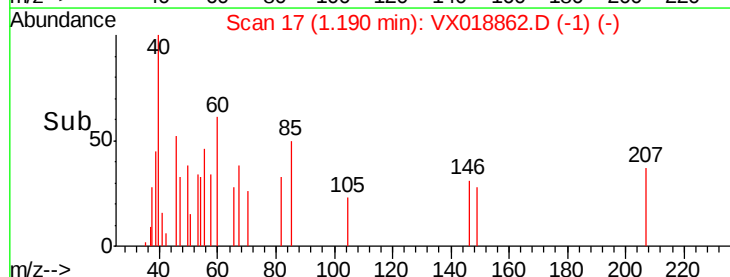
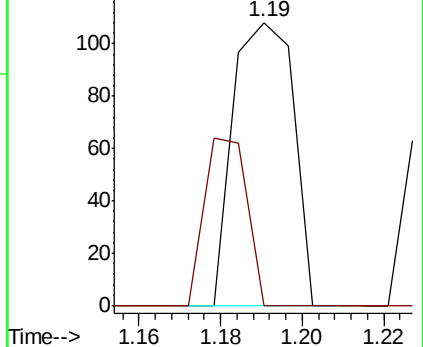
85 100

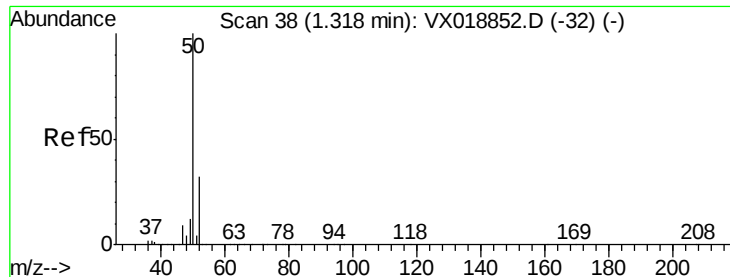
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.988 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

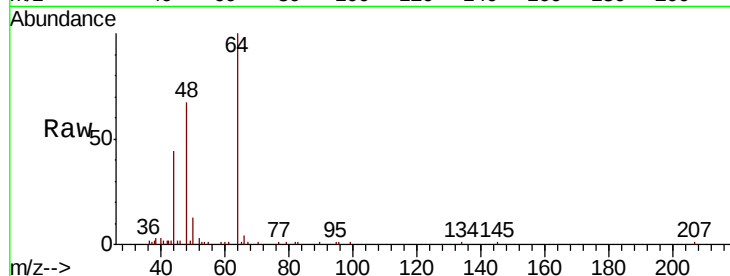
STORAGE-BLANK-WATER-REF-4

Tot Ion: 50 Resp: 1960

Ion Ratio Lower Upper

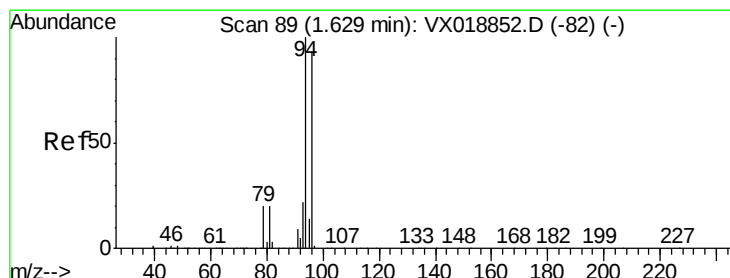
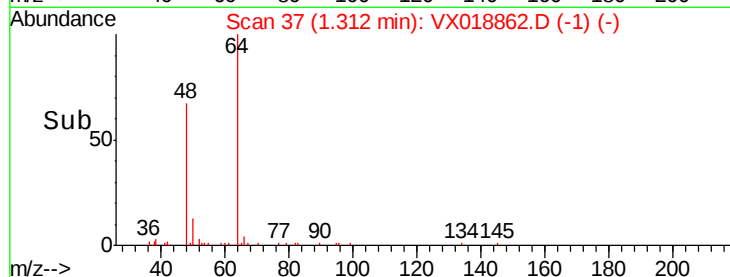
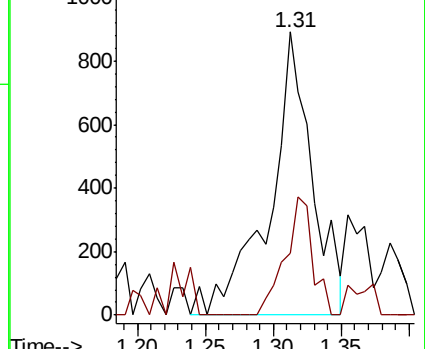
50 100

52 14.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018862.D

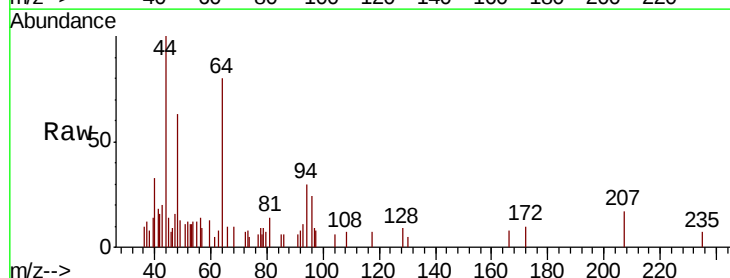
Acq: 09 Oct 2020 18:08

Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

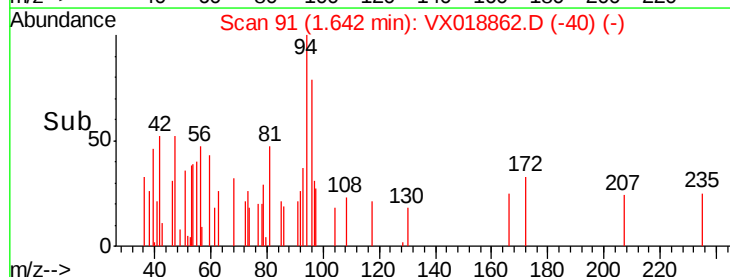
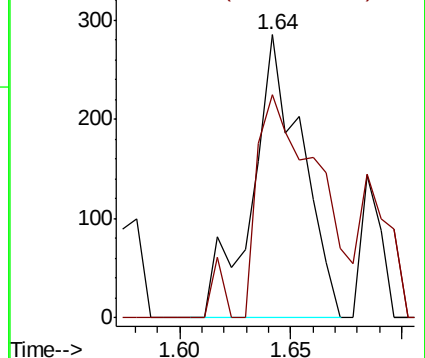
94 100

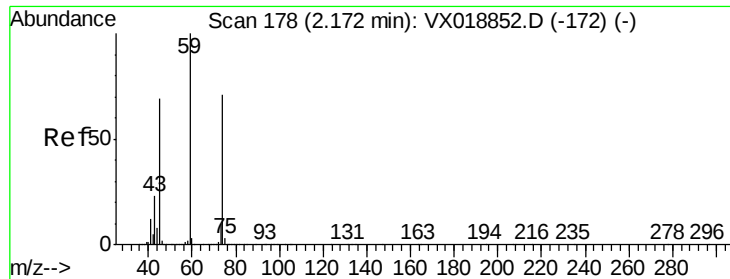
96 56.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.180 ug/l

RT: 1.90 min Scan# 133

Delta R.T. -0.27 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

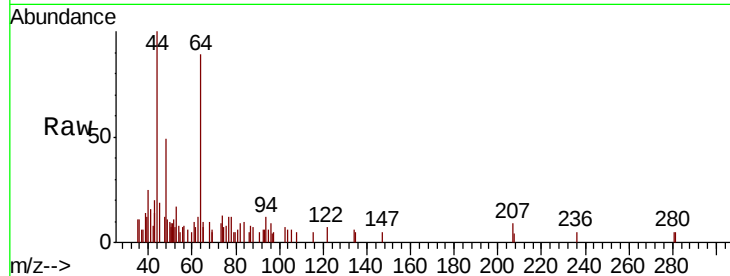
STORAGE-BLANK-WATER-REF-4

Tot Ion: 74 Resp: 187

Ion Ratio Lower Upper

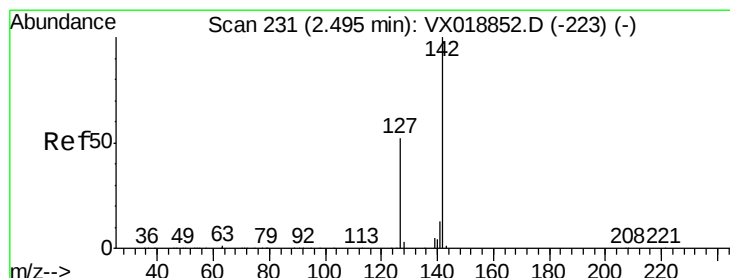
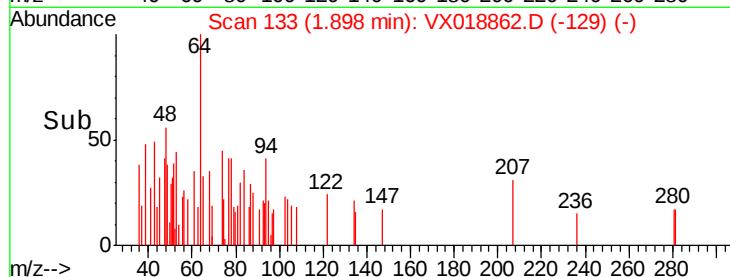
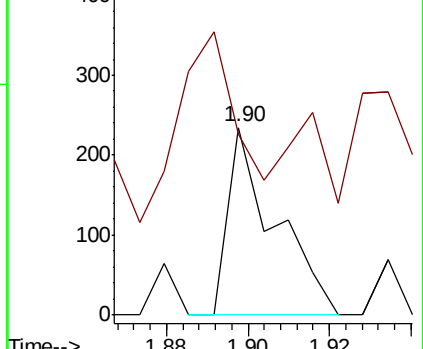
74 100

45 74.9 47.0 141.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.074 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

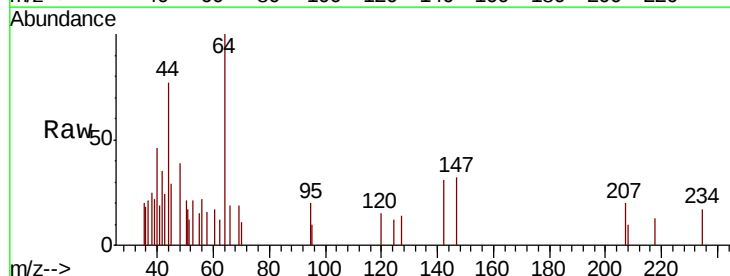
Tgt Ion: 142 Resp: 198

Ion Ratio Lower Upper

142 100

127 68.2 42.0 63.0#

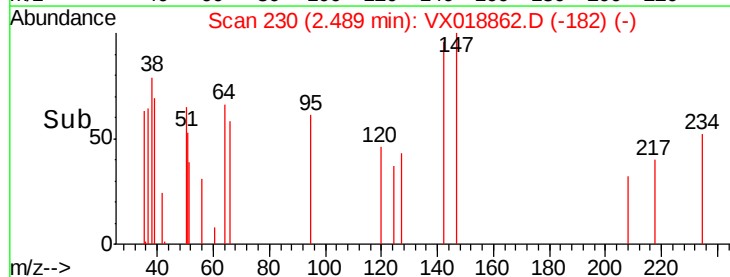
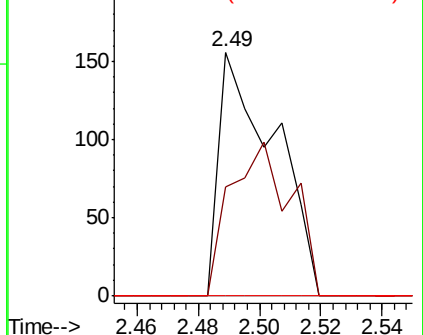
141 0.0 11.8 17.6#

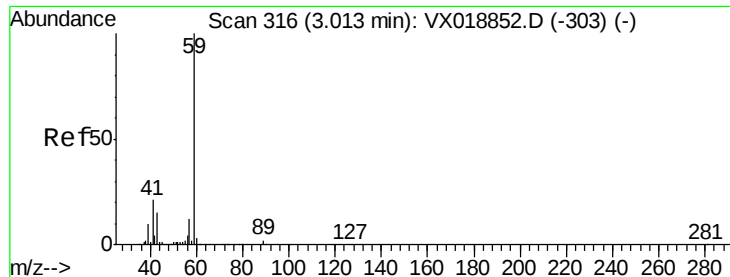


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



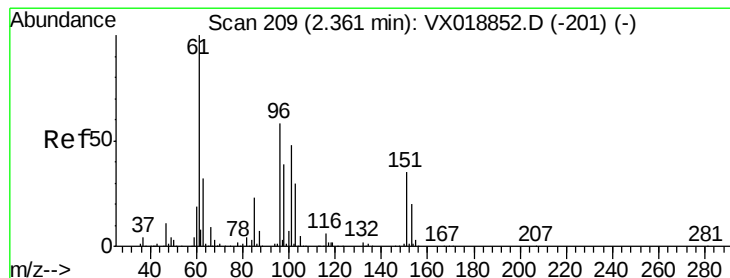
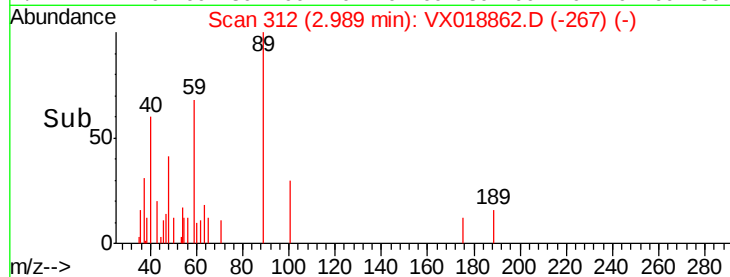
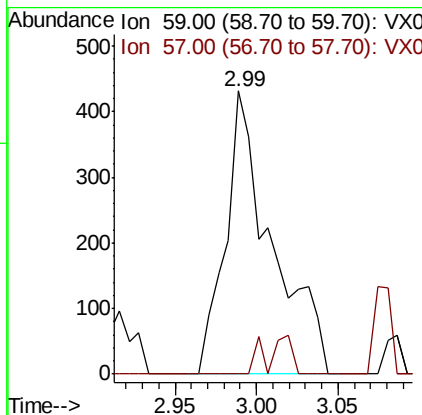
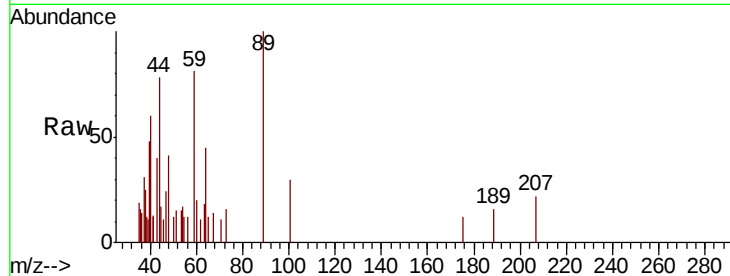


#11

Tert butyl alcohol
 Concen: 1.716 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX018862.D
 Acq: 09 Oct 2020 18:08

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

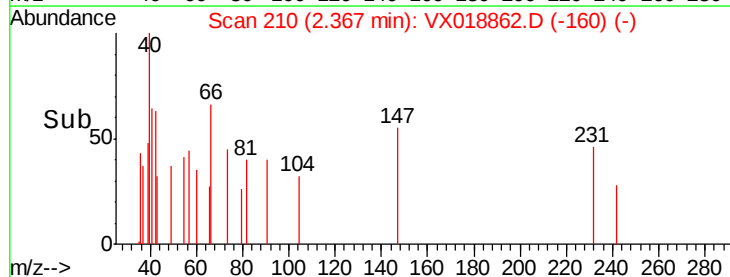
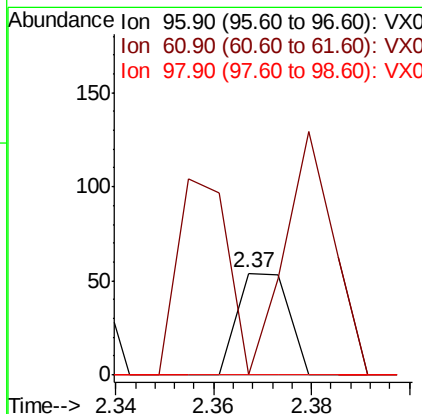
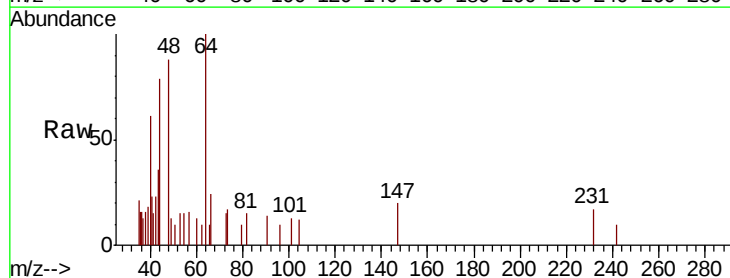
Tot Ion: 59 Resp: 844
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

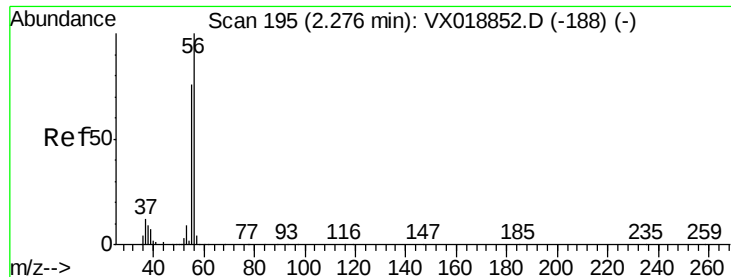


#12

1,1-Dichloroethene
 Concen: 0.725 ug/l
 RT: 2.37 min Scan# 210
 Delta R.T. 0.01 min
 Lab File: VX018862.D
 Acq: 09 Oct 2020 18:08

Tgt Ion: 96 Resp: 39
 Ion Ratio Lower Upper
 96 100
 61 0.0 137.0 205.6#
 98 0.0 53.9 80.9#





#13

Acrolein

Concen: 0.203 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

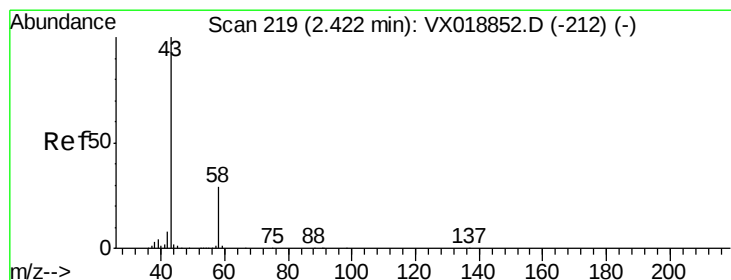
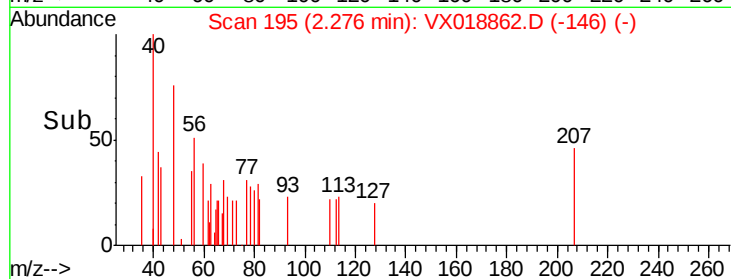
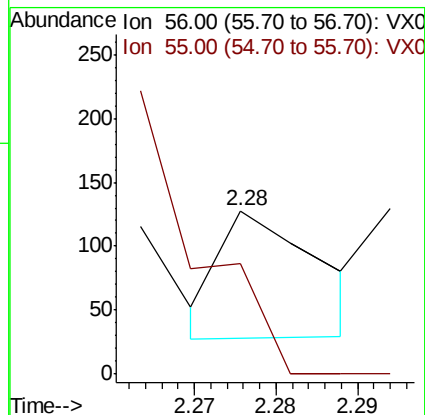
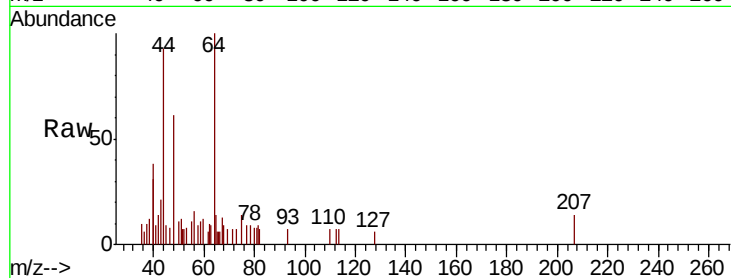
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018862.D

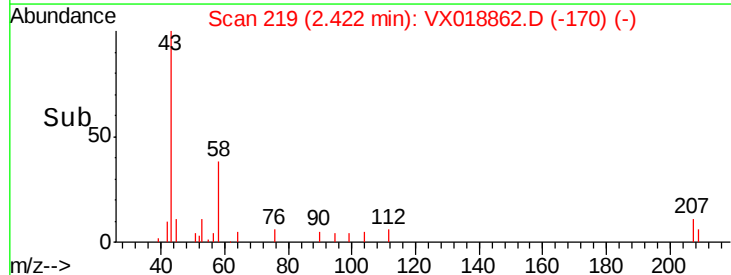
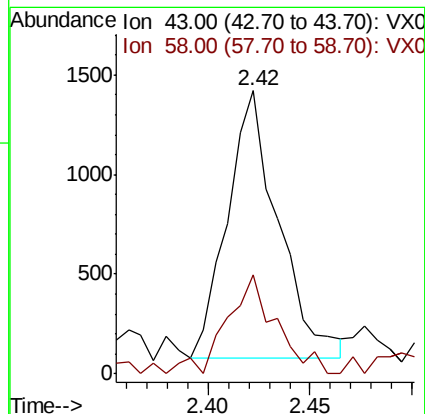
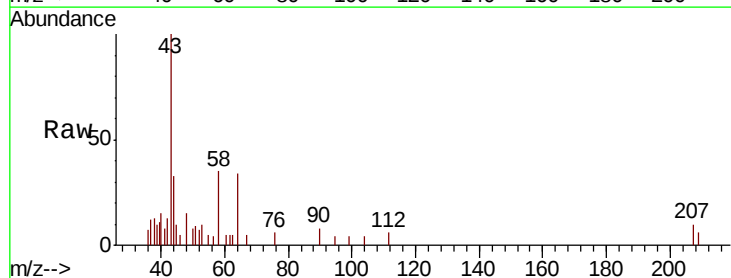
Acq: 09 Oct 2020 18:08

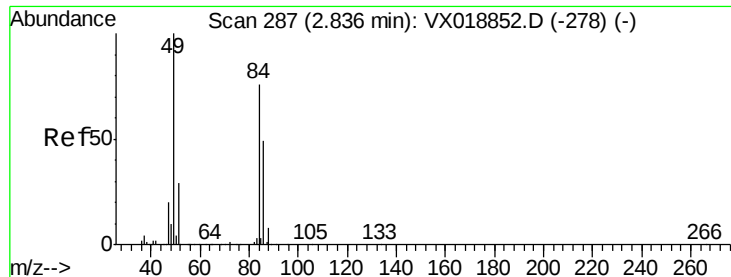
Tgt Ion: 43 Resp: 2327

Ion Ratio Lower Upper

43 100

58 36.9 23.0 34.4#

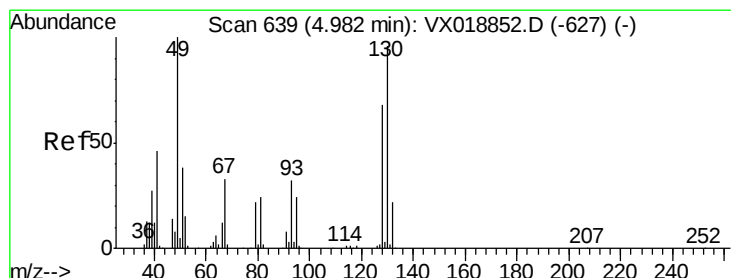
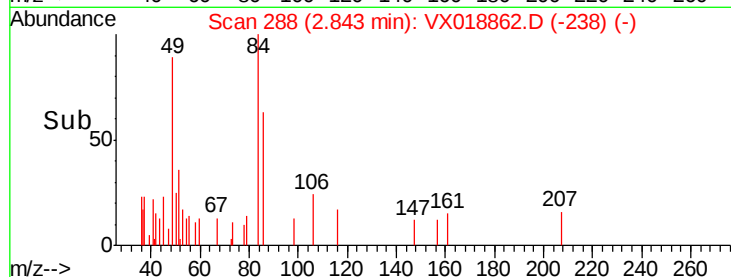
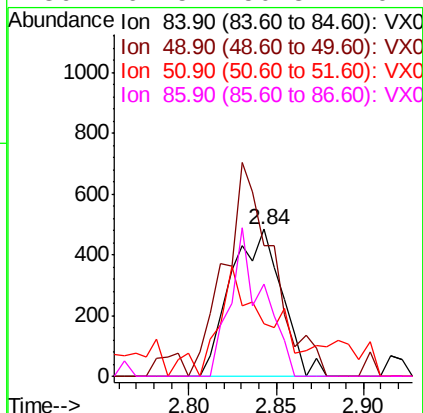
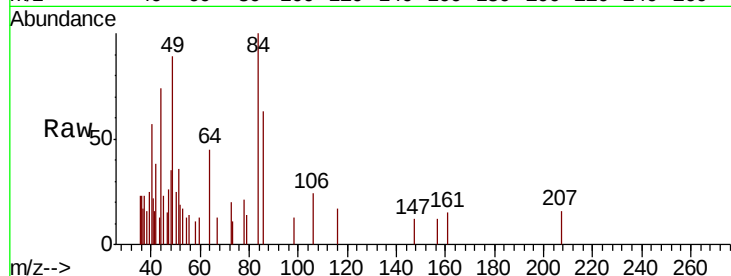




#20
Methvlene Chloride
Concen: 0.946 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018862.D
Acq: 09 Oct 2020 18:08

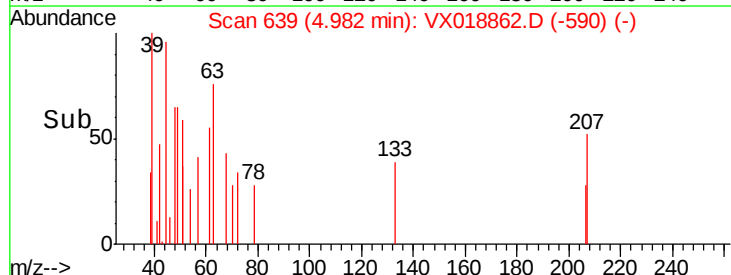
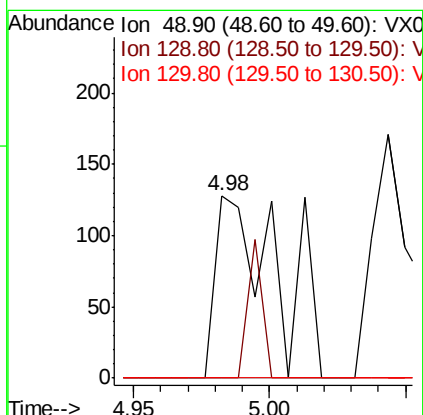
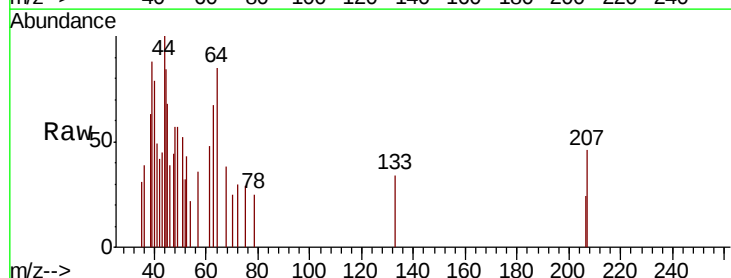
Instrument :
MSVOA_X
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STORAGE-BLANK-WATER-REF-4

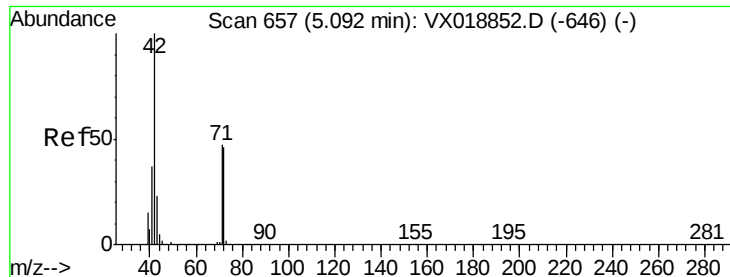
Tot Ion: 84 Resp: 995
Ion Ratio Lower Upper
84 100
49 89.4 104.8 157.2#
51 10.8 30.6 46.0#
86 62.5 50.8 76.2



#28
Bromochloromethane
Concen: 1.626 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018862.D
Acq: 09 Oct 2020 18:08

Tgt Ion: 49 Resp: 203
Ion Ratio Lower Upper
49 100
129 17.2 0.0 5.4#
130 0.0 71.2 106.8#





#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 5.08 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

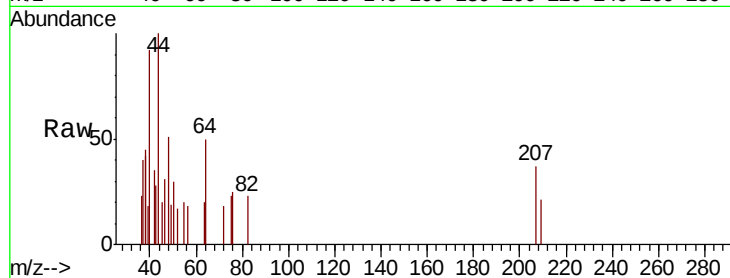
Tot Ion: 42 Resp: 204

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

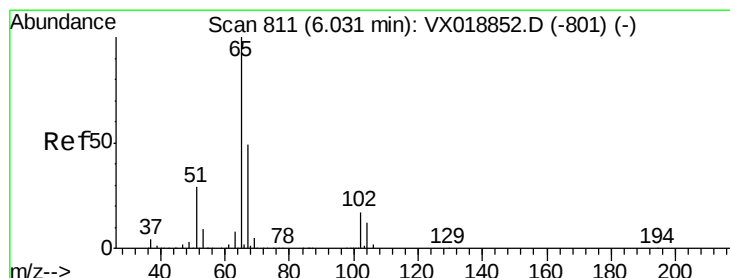
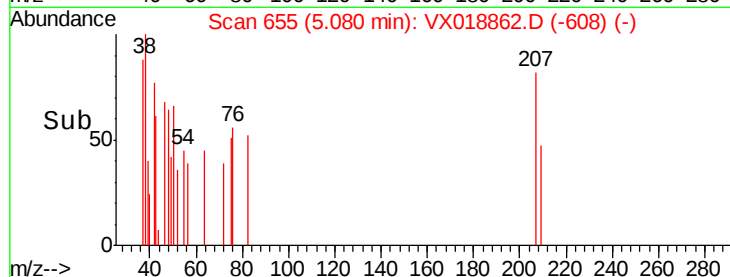
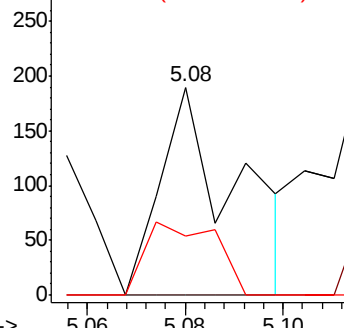
71 32.4 35.2 52.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.529 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018862.D

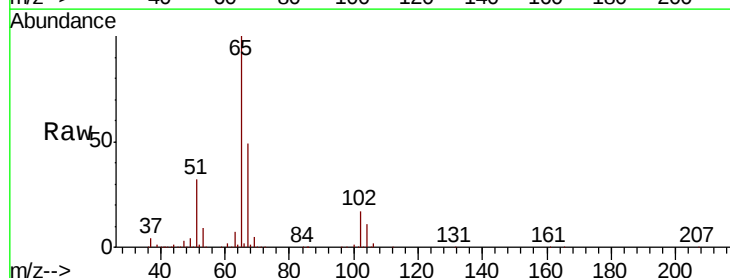
Acq: 09 Oct 2020 18:08

Tgt Ion: 65 Resp: 157759

Ion Ratio Lower Upper

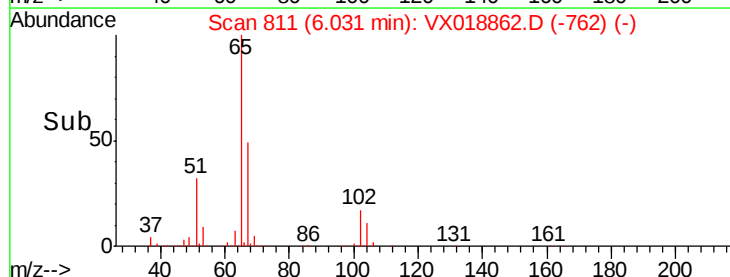
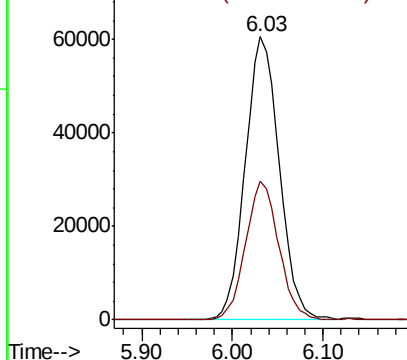
65 100

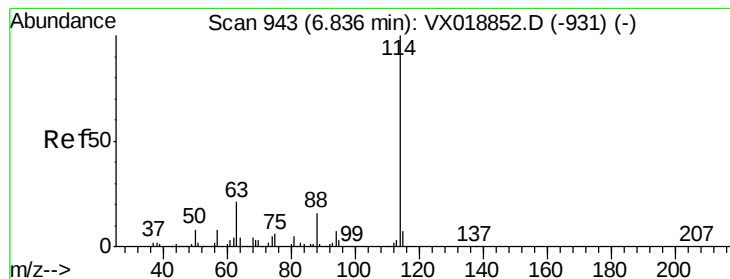
67 47.8 0.0 97.0



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: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

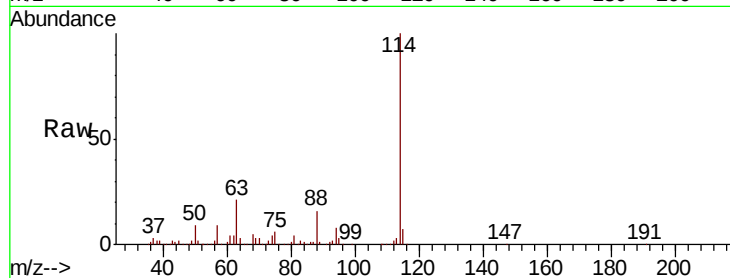
Tot Ion:114 Resp: 333286

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

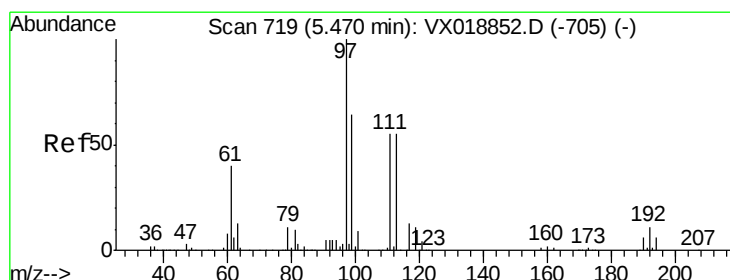
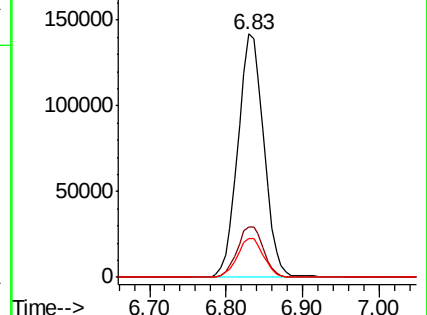
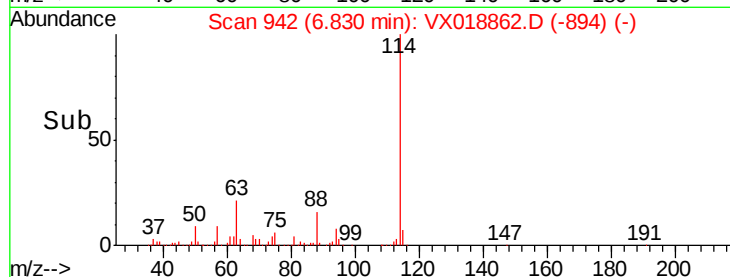
88 15.9 0.0 32.6



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: 48.926 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

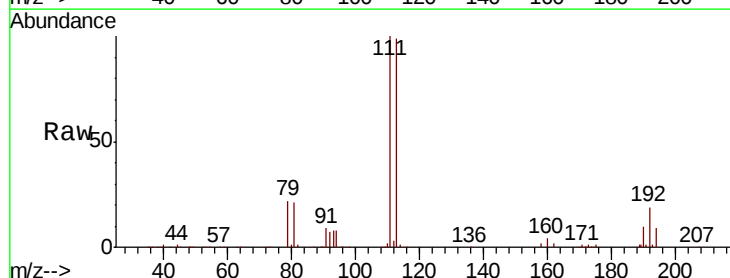
Tgt Ion:113 Resp: 116210

Ion Ratio Lower Upper

113 100

111 102.9 80.1 120.1

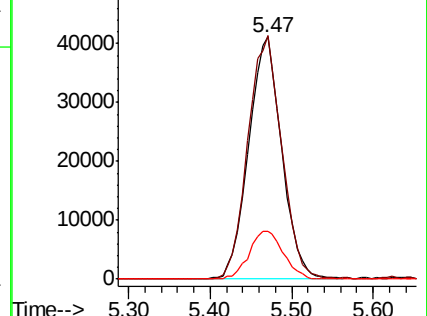
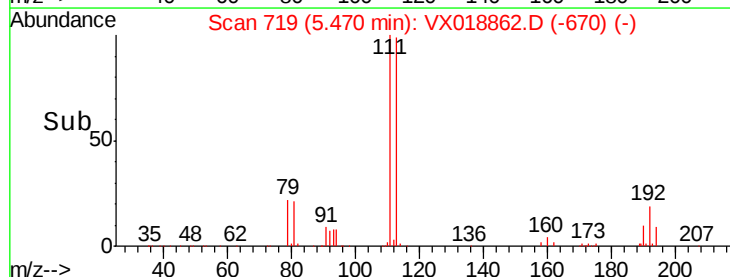
192 20.5 16.0 24.0

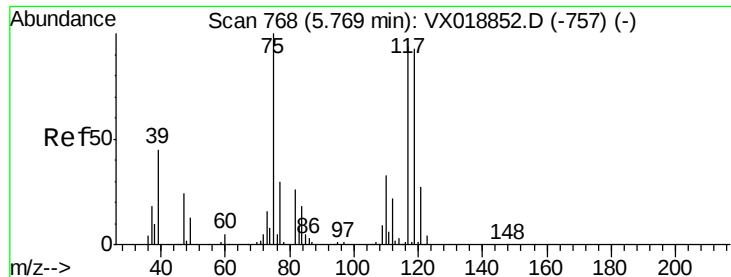


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

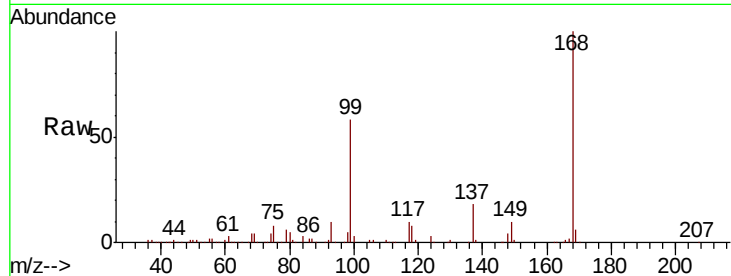
Tot Ion: 75 Resp: 16541

Ion Ratio Lower Upper

75 100

110 11.3 17.8 53.5#

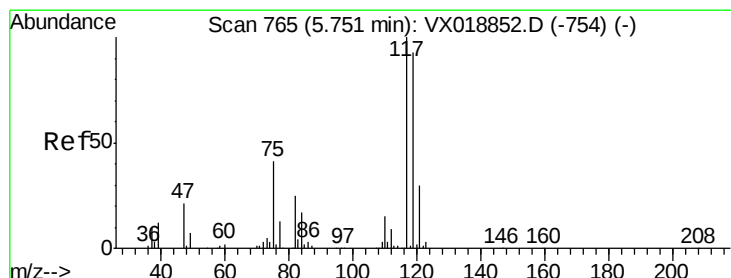
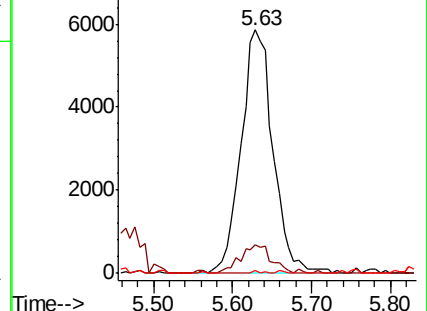
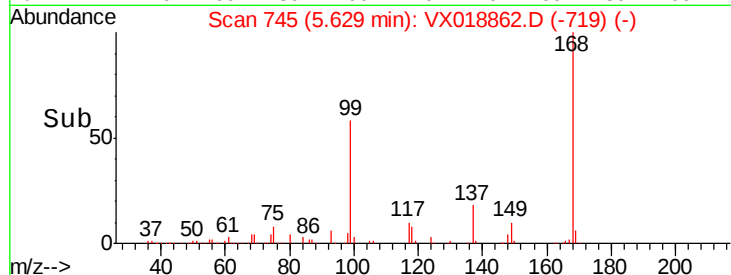
77 0.3 24.2 36.4#



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: 5.051 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

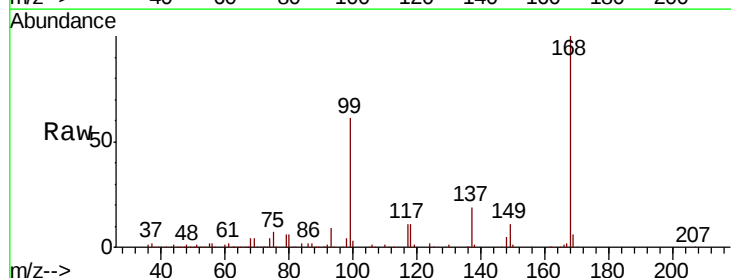
Tgt Ion:117 Resp: 21939

Ion Ratio Lower Upper

117 100

119 6.1 73.9 110.9#

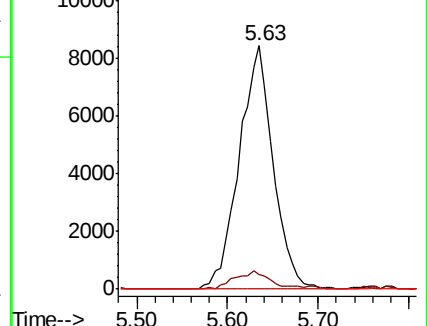
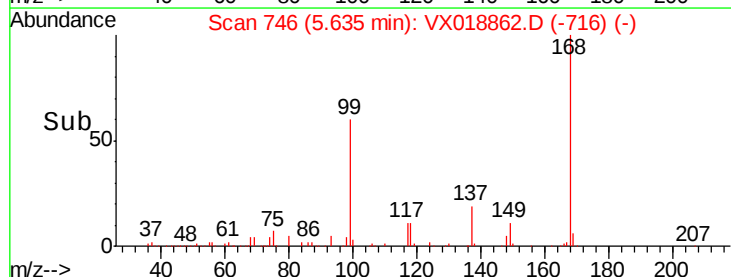
121 0.0 23.6 35.4#

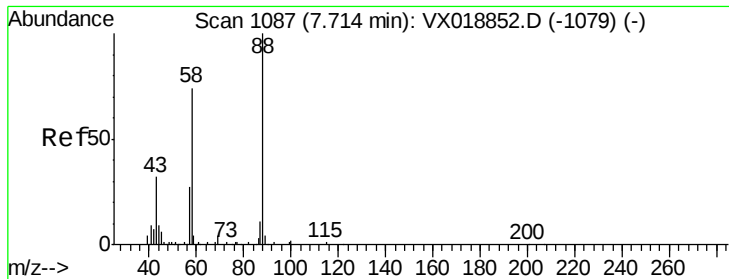


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.225 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

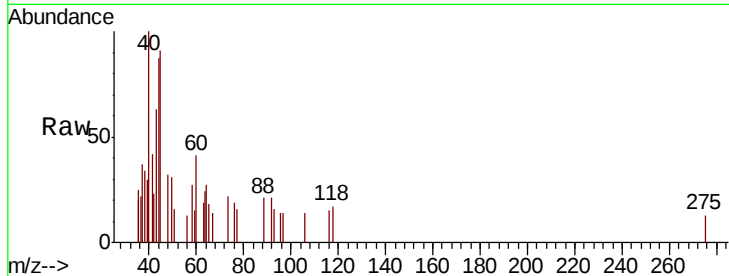
Tot Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 373.5 31.0 46.6#

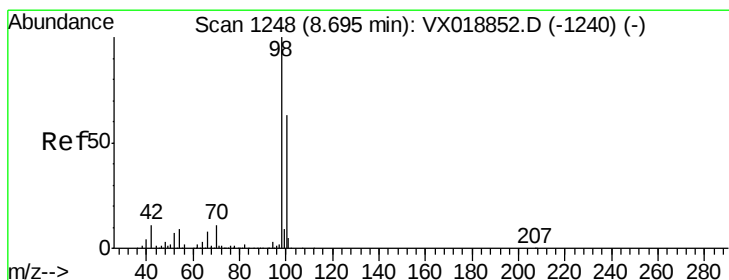
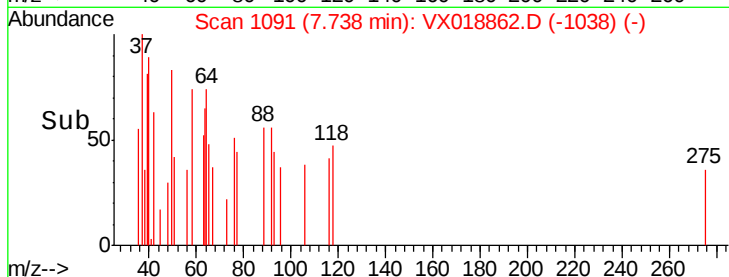
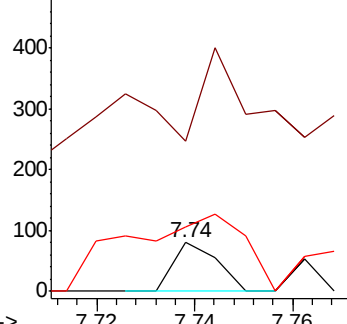
58 432.7 59.3 88.9#



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: 48.567 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018862.D

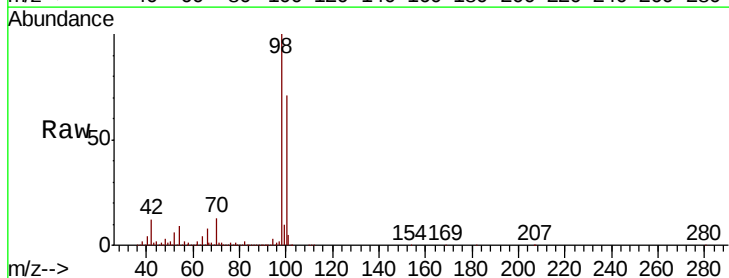
Acq: 09 Oct 2020 18:08

Tgt Ion: 98 Resp: 400142

Ion Ratio Lower Upper

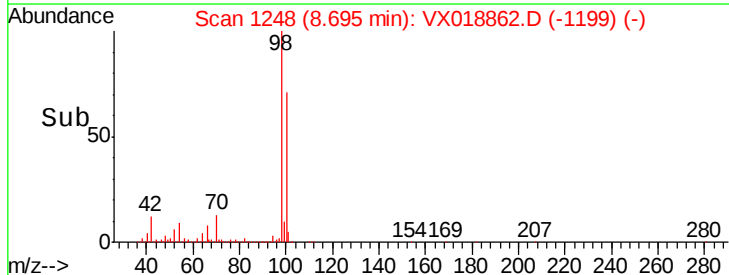
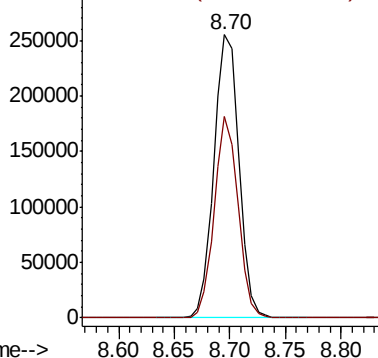
98 100

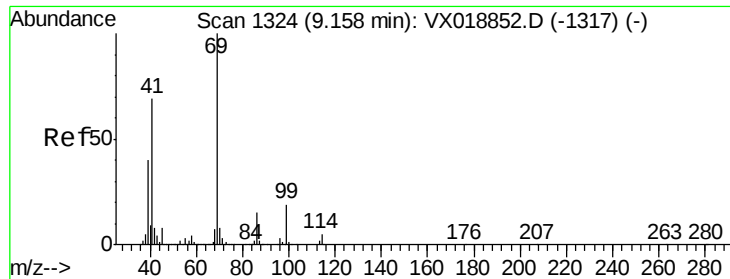
100 67.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.951 ug/l

RT: 9.16 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

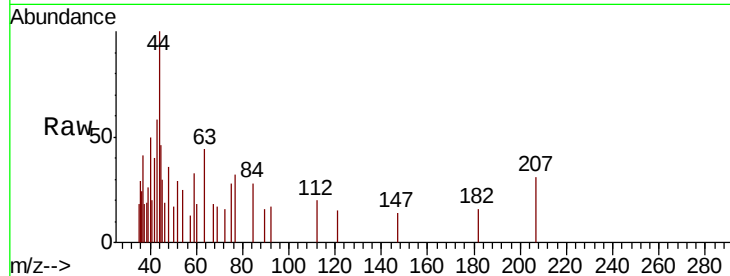
Tot Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 213.6 54.6 81.8#

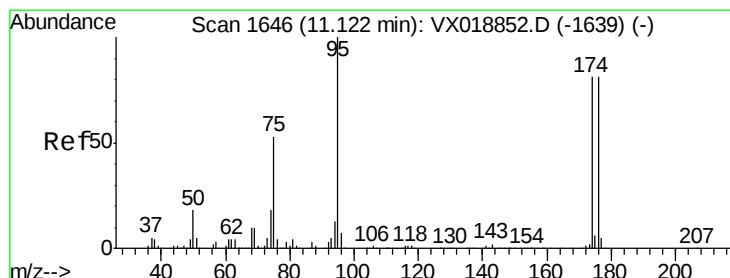
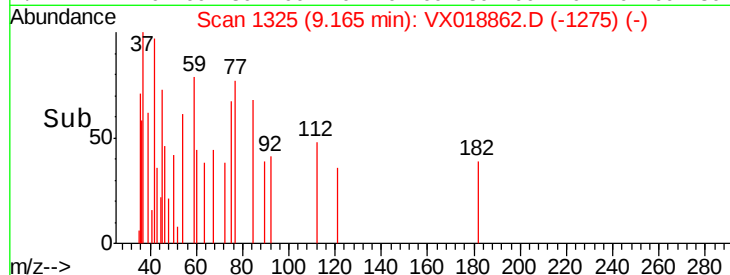
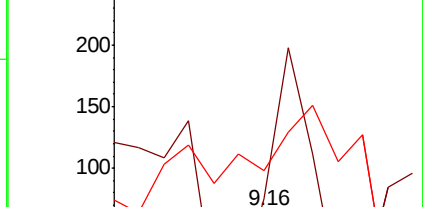
39 283.3 31.5 47.3#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.175 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

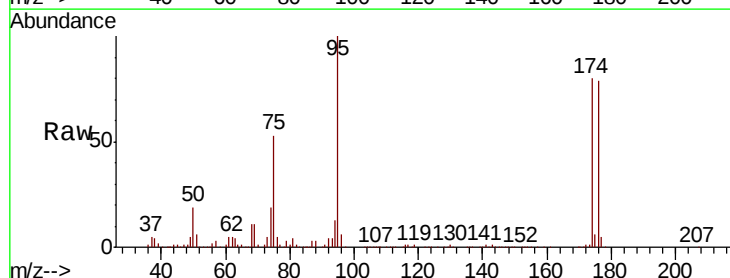
Tgt Ion: 95 Resp: 154910

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.0

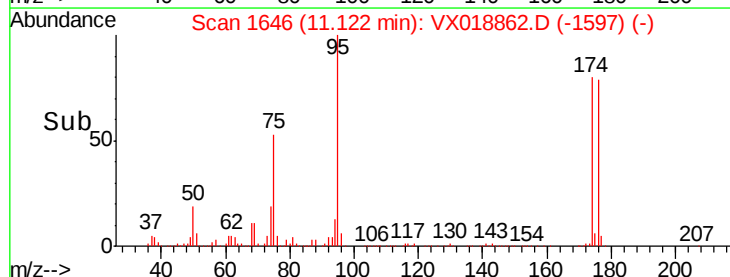
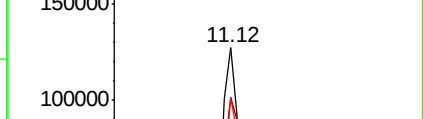
176 77.7 0.0 161.2

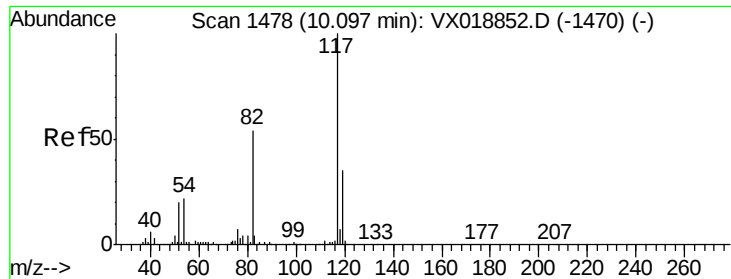


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

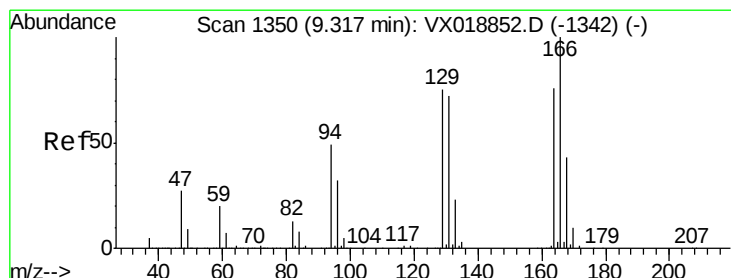
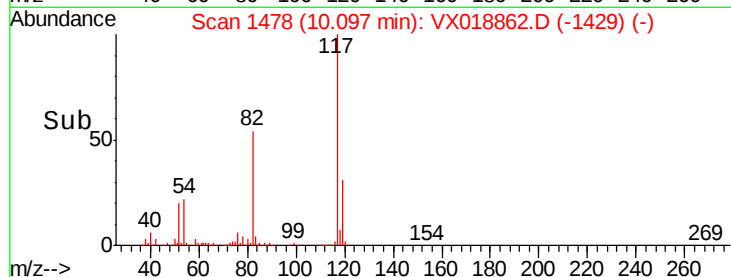
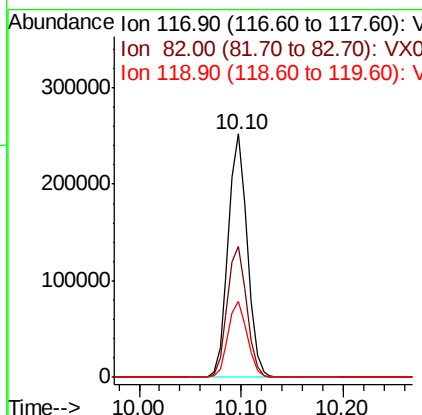
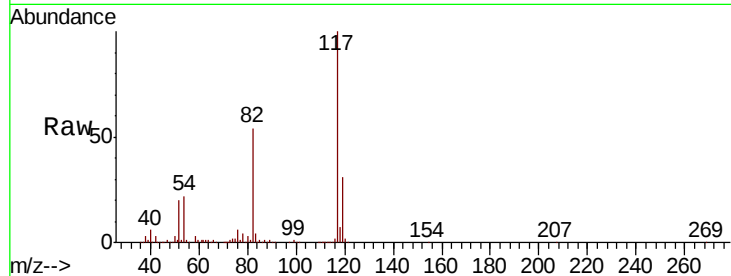




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018862.D
Acq: 09 Oct 2020 18:08

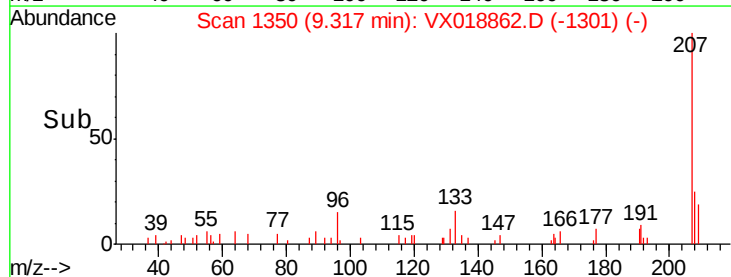
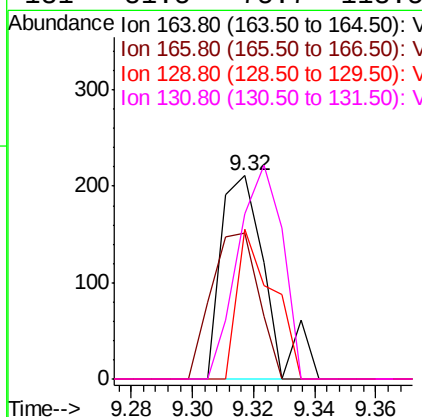
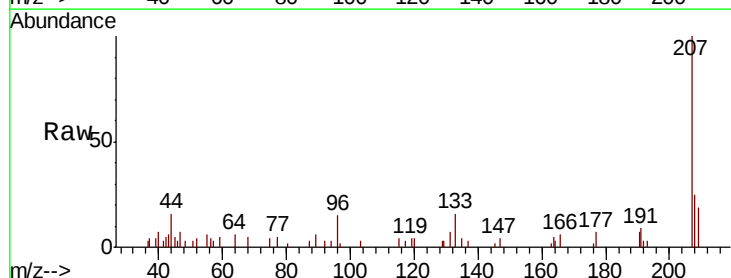
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

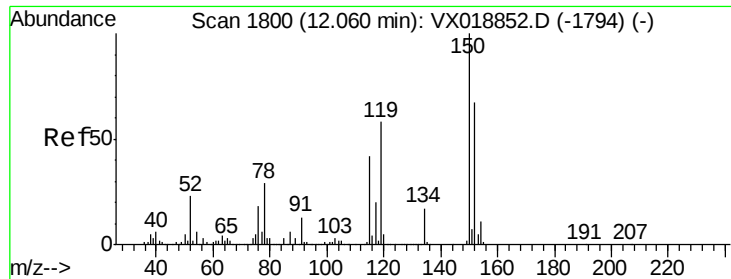
Tot Ion:117 Resp: 325925
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.2
119 31.3 28.3 42.5



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018862.D
Acq: 09 Oct 2020 18:08

Tgt Ion:164 Resp: 214
Ion Ratio Lower Upper
164 100
166 71.6 105.4 158.0#
129 73.9 79.0 118.6#
131 81.5 75.7 113.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

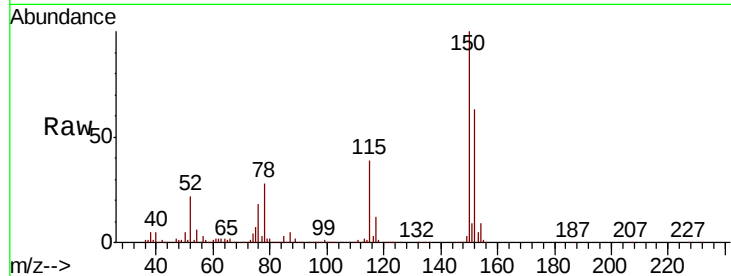
Tot Ion:152 Resp: 154077

Ion Ratio Lower Upper

152 100

115 62.8 41.8 125.4

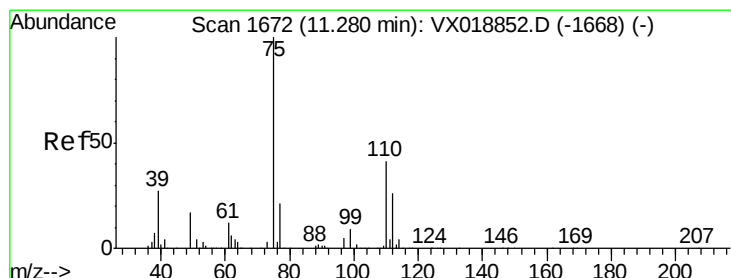
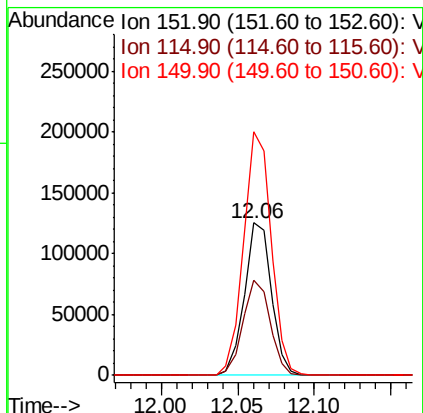
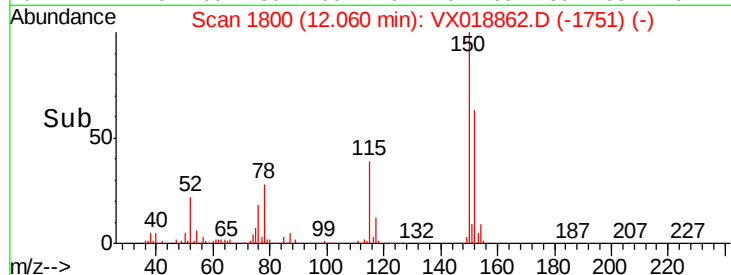
150 162.8 0.0 347.6



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: 24.887 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018862.D

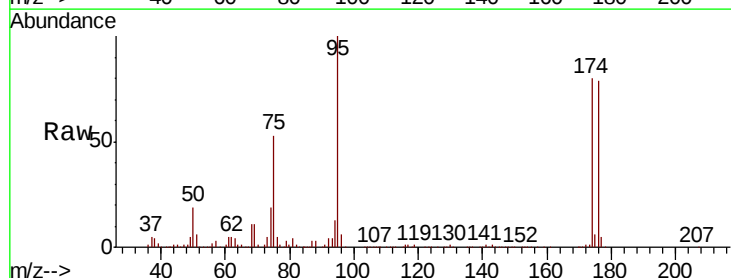
Acq: 09 Oct 2020 18:08

Tgt Ion: 75 Resp: 82621

Ion Ratio Lower Upper

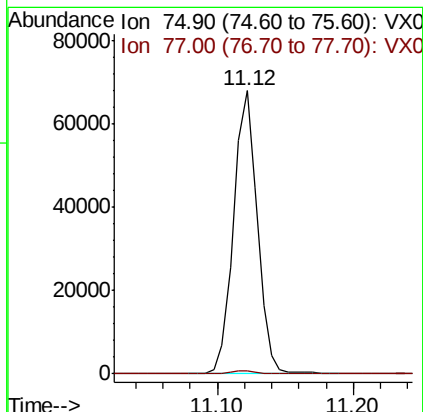
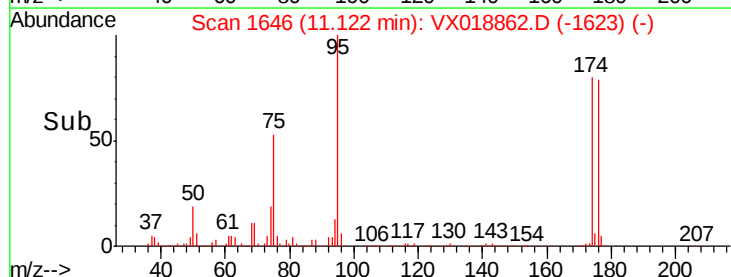
75 100

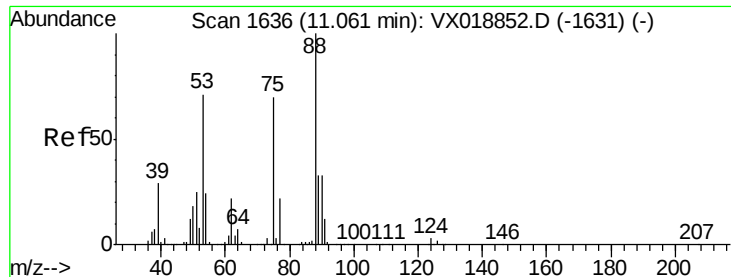
77 1.2 20.2 60.6#



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: 70.528 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

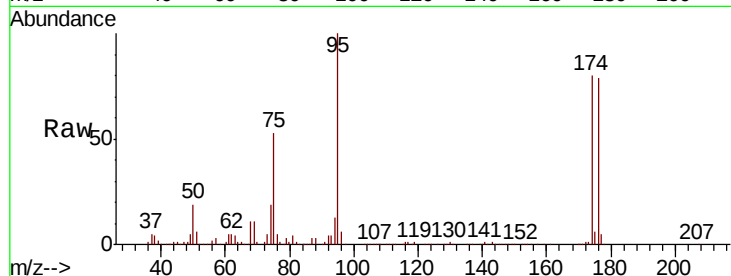
Tot Ion: 75 Resp: 82621

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.4#

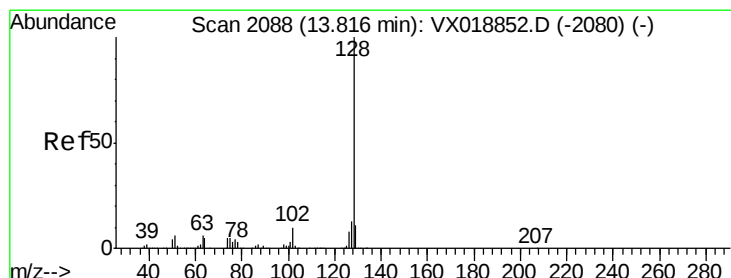
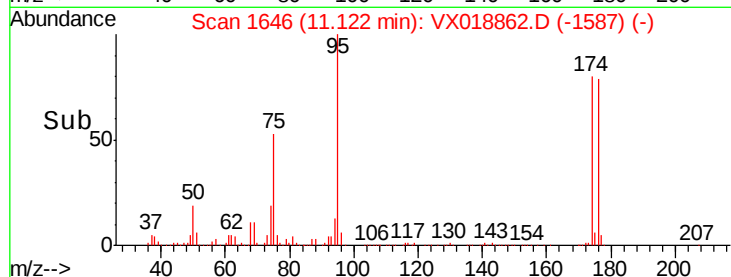
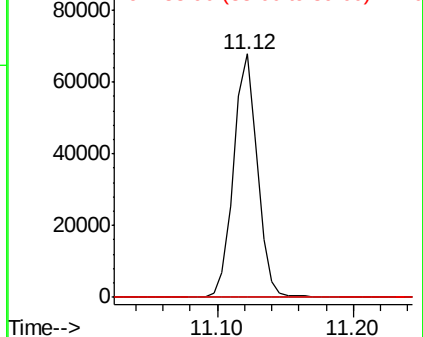
89 0.0 39.0 58.4#



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



#95

Naphthalene

Concen: 3.119 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018862.D

Acq: 09 Oct 2020 18:08

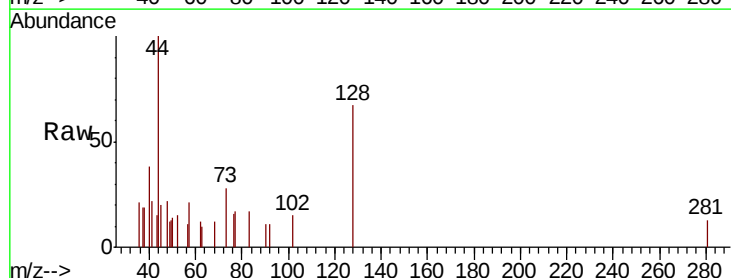
Tgt Ion: 128 Resp: 468

Ion Ratio Lower Upper

128 100

127 9.0 10.1 15.1#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

