

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018154.D
 Acq On : 31 Aug 2020 17:47
 Operator : JC/SP
 Sample : L3835-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATERREF-5

Quant Time: Sep 01 05:33:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	471182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	772409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	727056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	351700	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	344111	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	5.47	113	270937	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	8.70	98	945390	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.12	95	349548	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

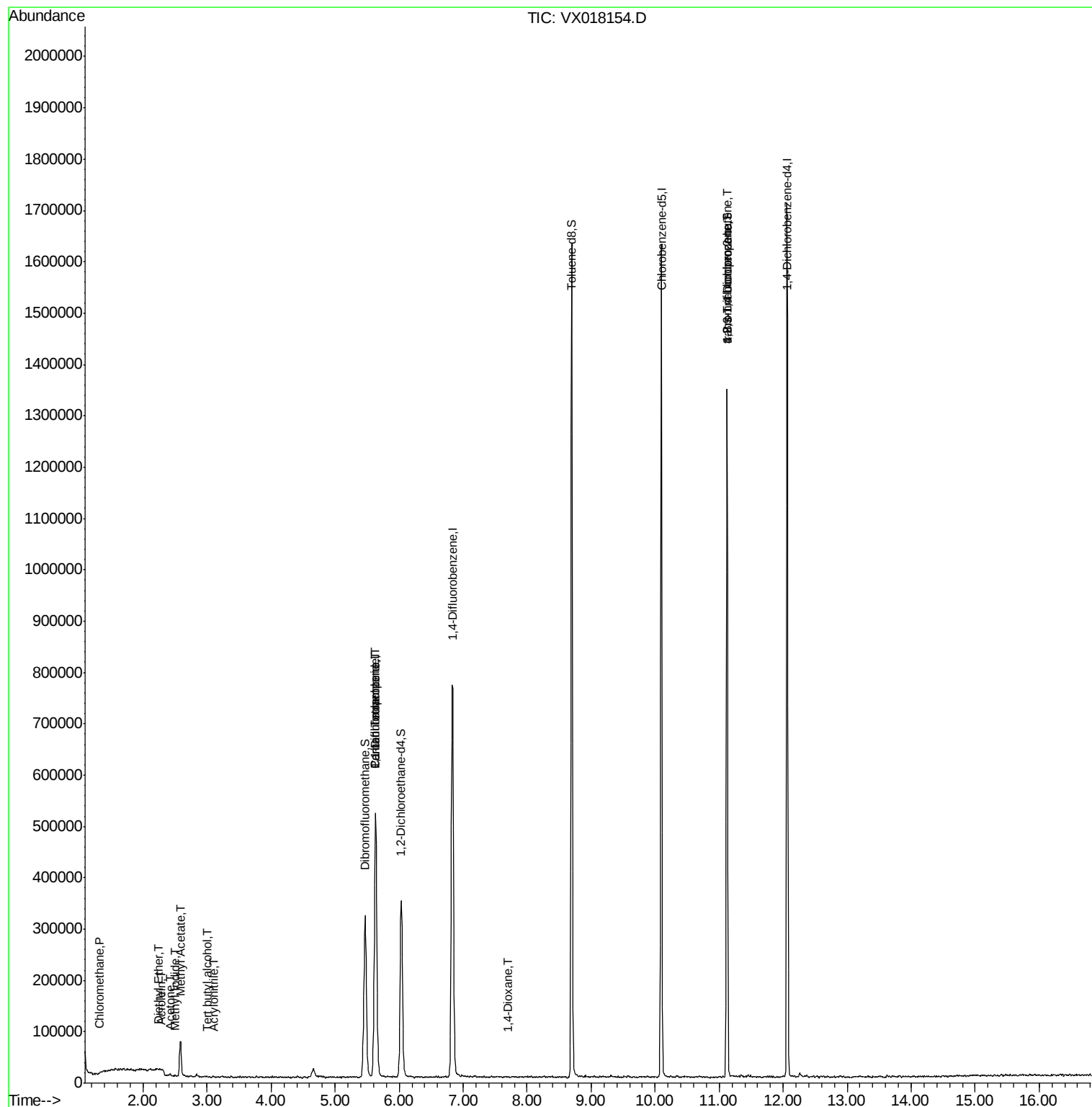
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1329	0.220	ug/l #	77
8) Diethyl Ether	2.23	74	577	0.207	ug/l	88
10) Methyl Iodide	2.50	142	136	5.312	ug/l #	38
11) Tert butyl alcohol	3.01	59	452	0.355	ug/l #	52
13) Acrolein	2.29	56	332	0.630	ug/l #	14
15) Acrylonitrile	3.11	53	596	0.207	ug/l #	28
16) Acetone	2.42	43	6643	2.606	ug/l	89
18) Methyl Acetate	2.59	43	20267	3.295	ug/l #	56
20) Methylene Chloride	2.83	84	2665	Below Cal	#	66
36) 1,1-Dichloropropene	5.62	75	35205	4.942	ug/l #	54
38) Carbon Tetrachloride	5.64	117	50058	6.235	ug/l #	17
49) 1,4-Dioxane	7.70	88	243	2.016	ug/l #	64
76) 1,2,3-Trichloropropane	11.12	75	179727	22.972	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	179727	62.044	ug/l #	12

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

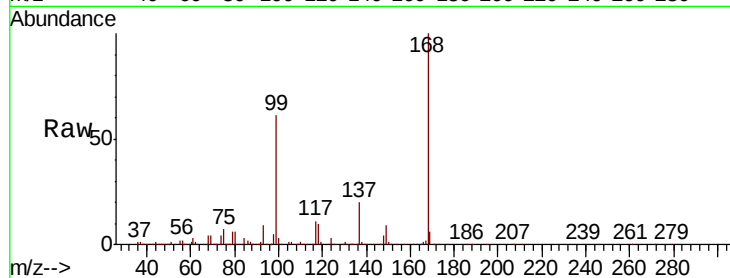
STORAGEBLANK-WATERREF-5

Tot Ion:168 Resp: 471182

Ion Ratio Lower Upper

168 100

99 60.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

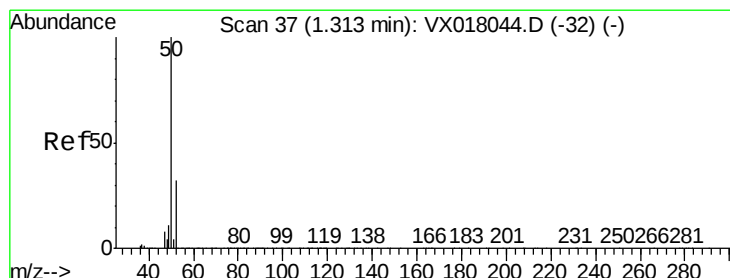
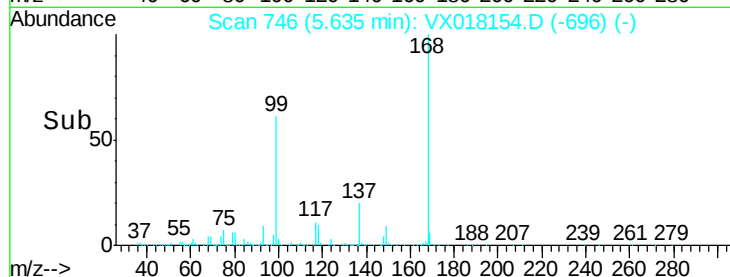
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.220 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018154.D

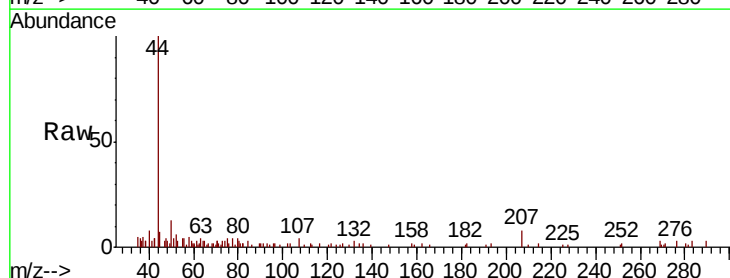
Acq: 31 Aug 2020 17:47

Tgt Ion: 50 Resp: 1329

Ion Ratio Lower Upper

50 100

52 19.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

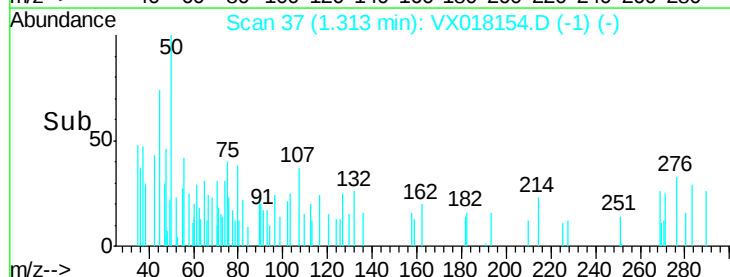
600

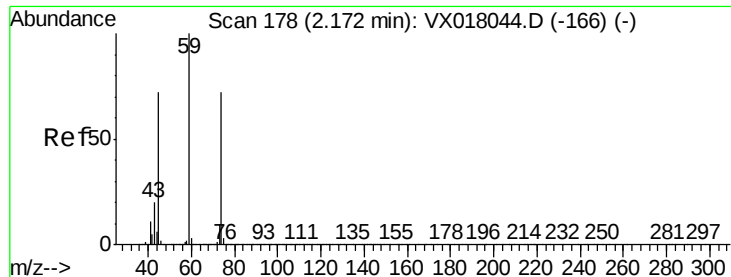
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.207 ug/l

RT: 2.23 min Scan# 188

Delta R.T. 0.06 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

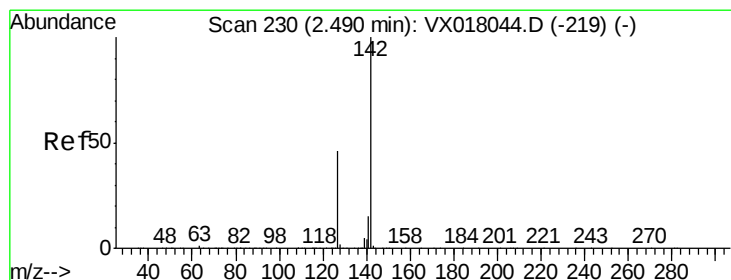
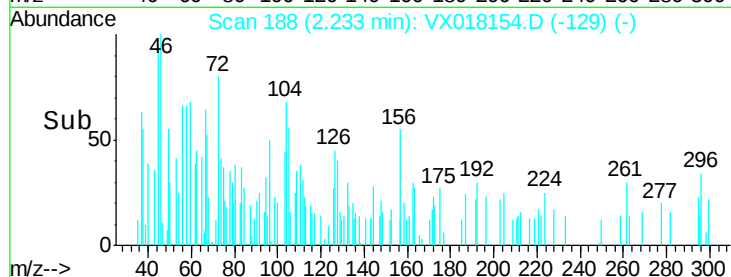
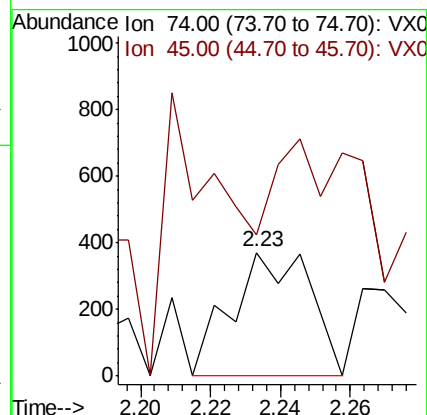
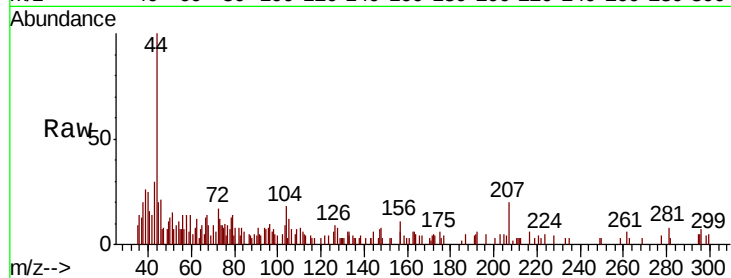
STORAGEBLANK-WATERREF-5

Tot Ion: 74 Resp: 577

Ion Ratio Lower Upper

74 100

45 113.7 50.7 152.3



#10

Methyl Iodide

Concen: 5.312 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

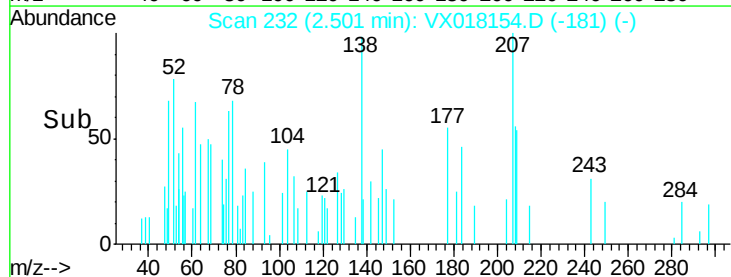
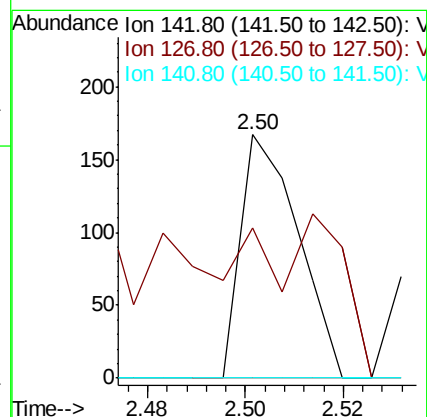
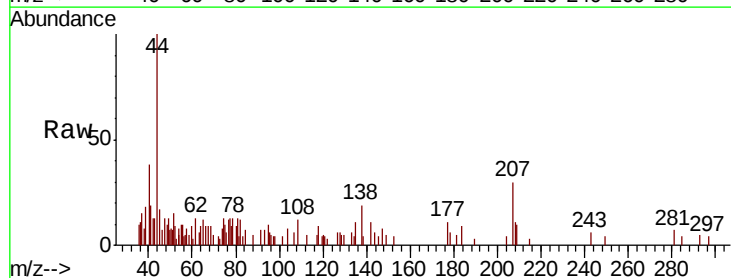
Tgt Ion: 142 Resp: 136

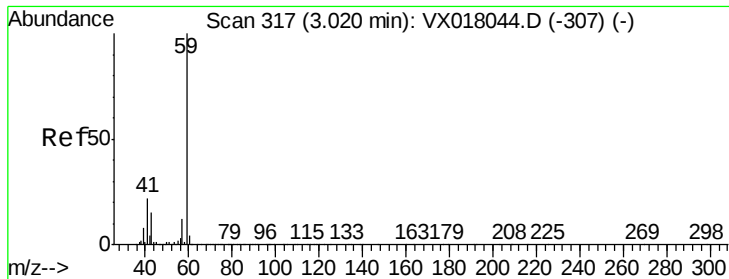
Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 0.0 11.5 17.3#

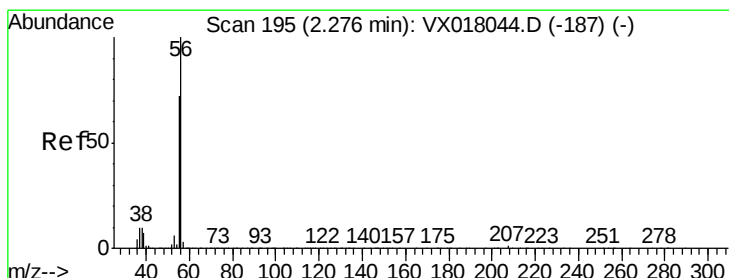
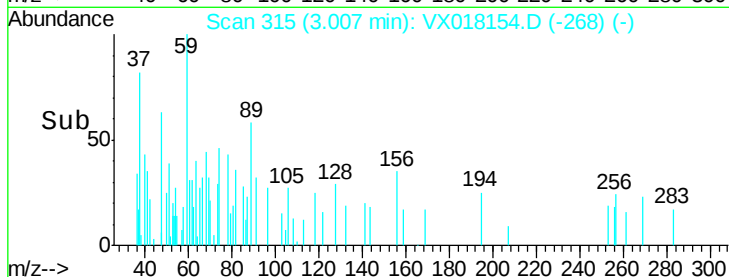
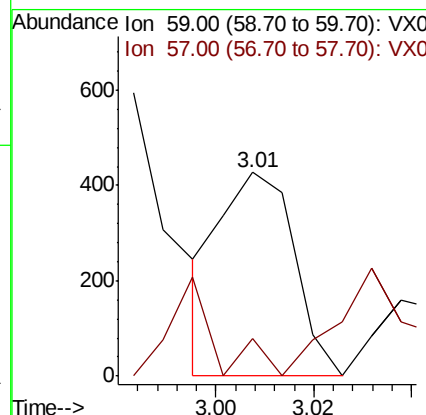
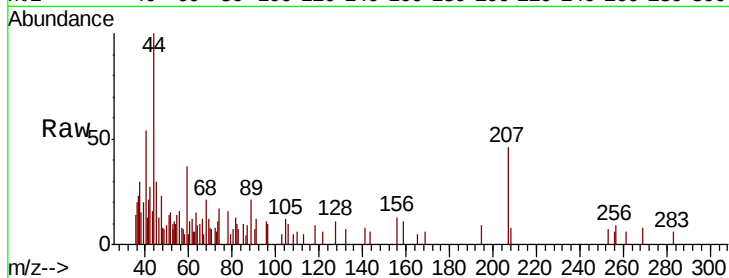




#11
Tert butyl alcohol
Concen: 0.355 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018154.D
Acq: 31 Aug 2020 17:47

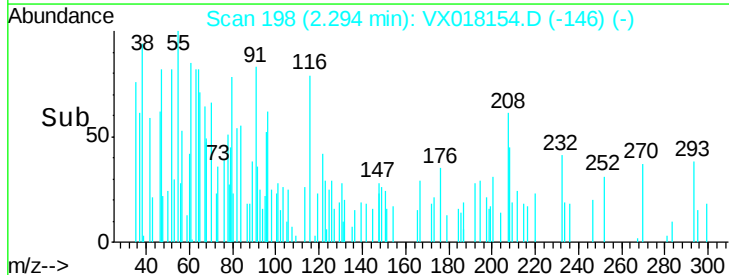
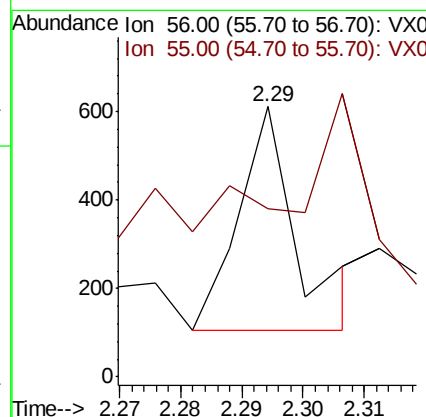
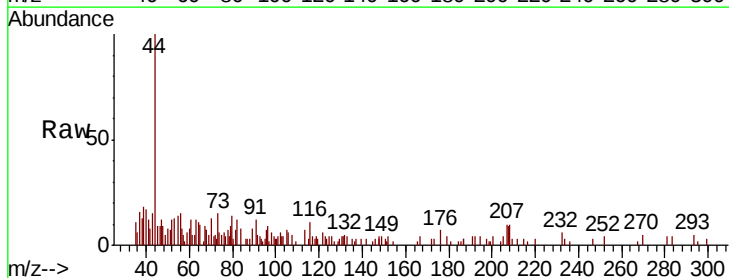
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

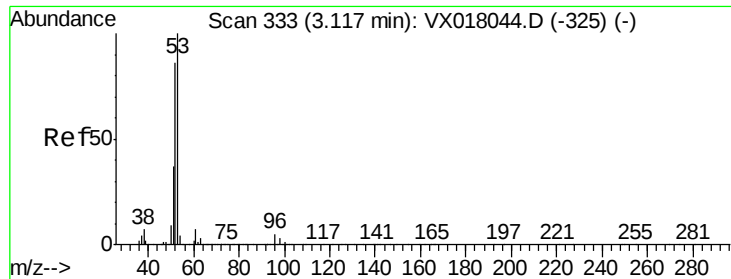
Tot Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 29.4 8.9 13.3#



#13
Acrolein
Concen: 0.630 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX018154.D
Acq: 31 Aug 2020 17:47

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.207 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

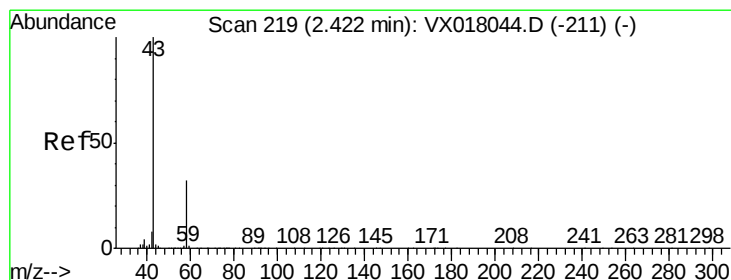
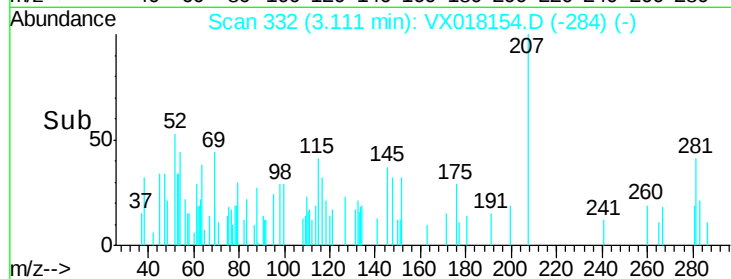
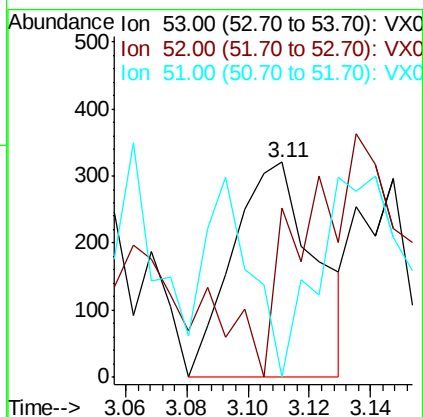
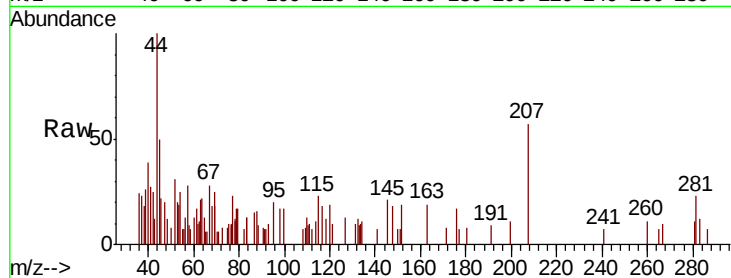
Tot Ion: 53 Resp: 596

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 50.3 28.7 43.1#



#16

Acetone

Concen: 2.606 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018154.D

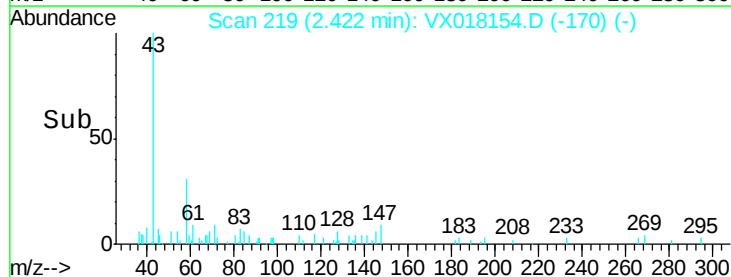
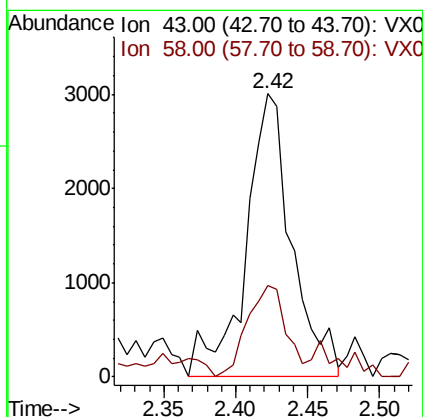
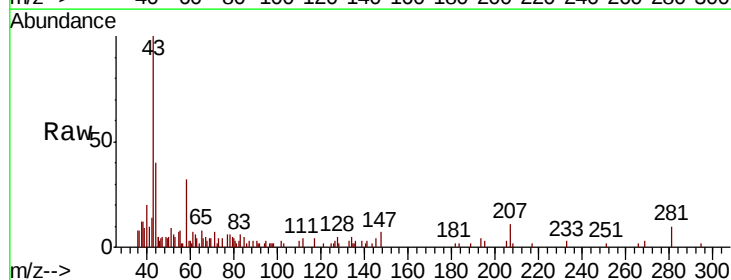
Acq: 31 Aug 2020 17:47

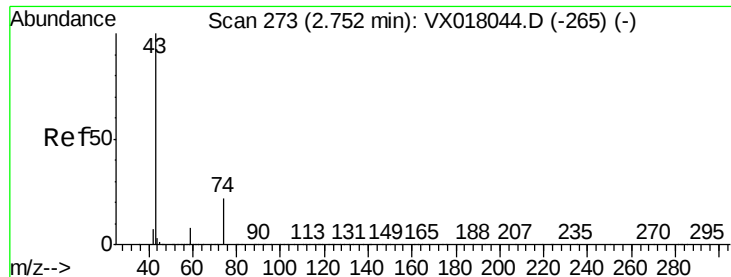
Tgt Ion: 43 Resp: 6643

Ion Ratio Lower Upper

43 100

58 25.7 25.5 38.3

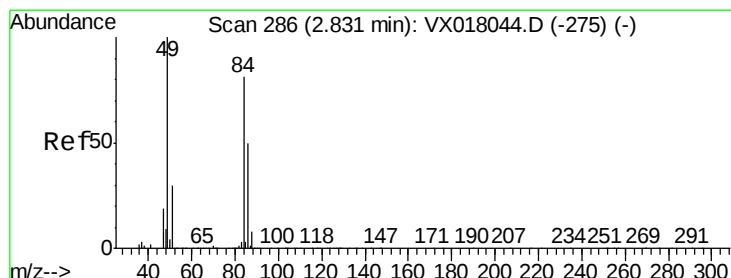
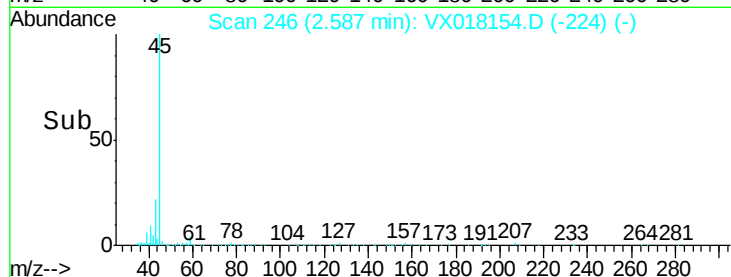
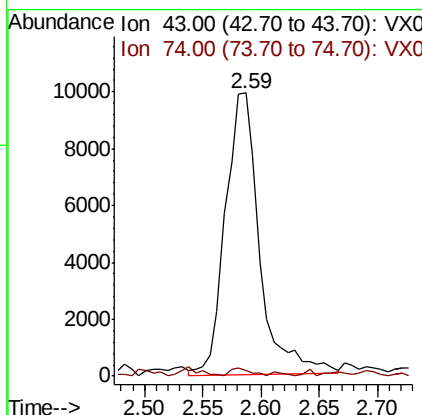
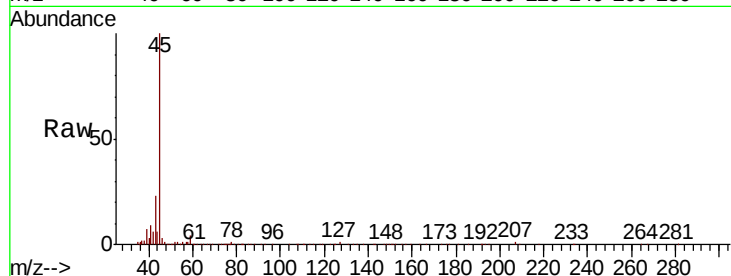




#18
Methyl Acetate
Concen: 3.295 ug/l
RT: 2.59 min Scan# 246
Delta R.T. -0.16 min
Lab File: VX018154.D
Acq: 31 Aug 2020 17:47

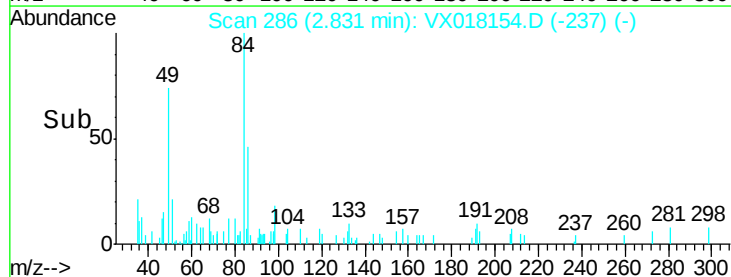
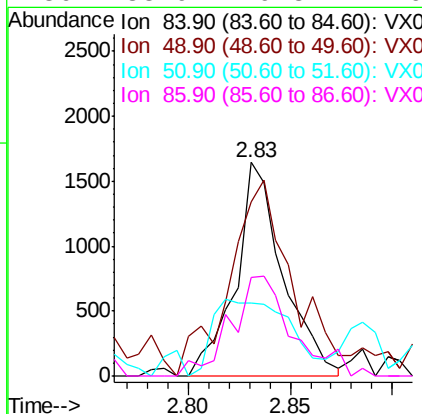
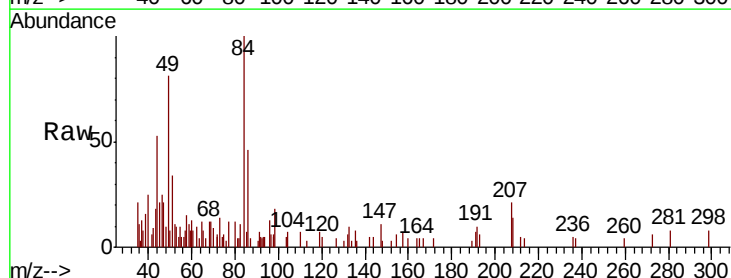
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

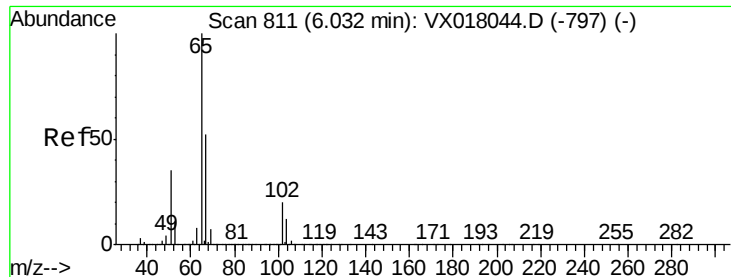
Tot Ion: 43 Resp: 20267
Ion Ratio Lower Upper
43 100
74 1.6 18.2 27.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018154.D
Acq: 31 Aug 2020 17:47

Tgt Ion: 84 Resp: 2665
Ion Ratio Lower Upper
84 100
49 72.0 98.6 148.0#
51 34.3 29.6 44.4
86 38.9 49.8 74.6#





#33

1,2-Dichloroethane-d4

Concen: 52.607 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

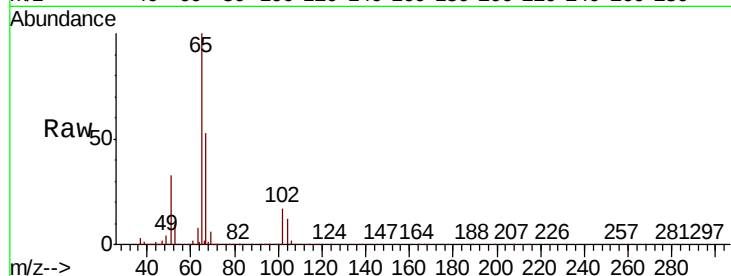
STORAGEBLANK-WATERREF-5

Tot Ion: 65 Resp: 344111

Ion Ratio Lower Upper

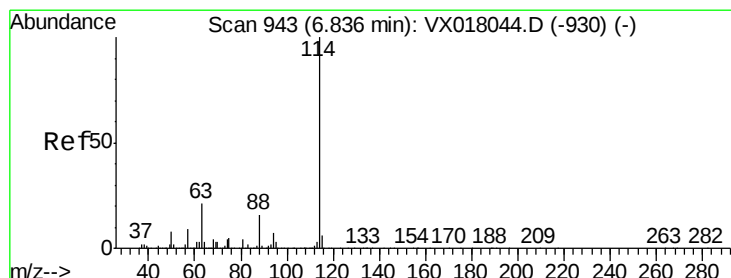
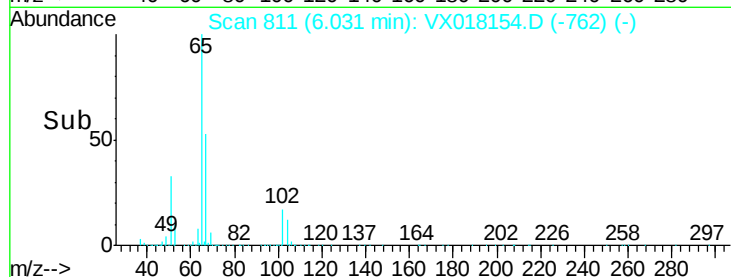
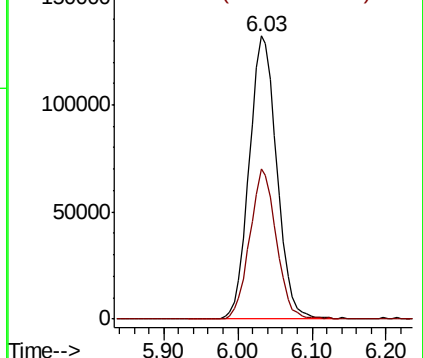
65 100

67 51.0 0.0 105.8



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

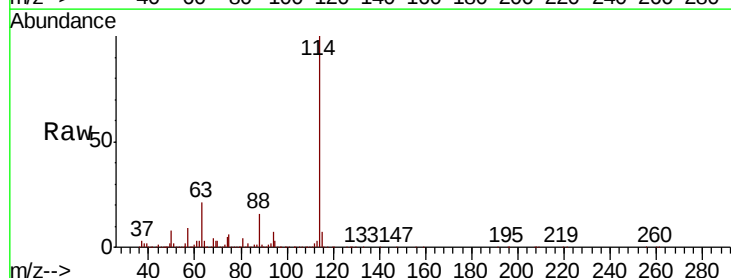
Tgt Ion: 114 Resp: 772409

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

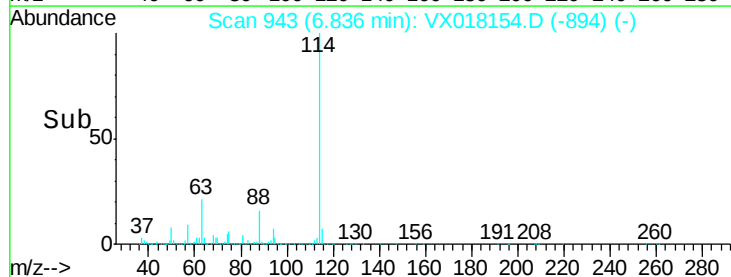
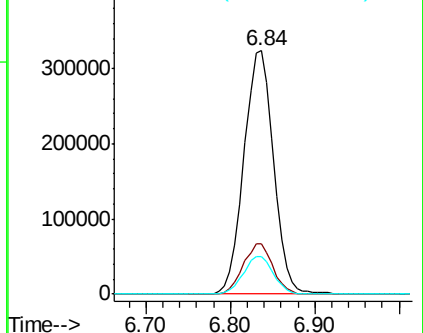
88 15.7 0.0 31.8

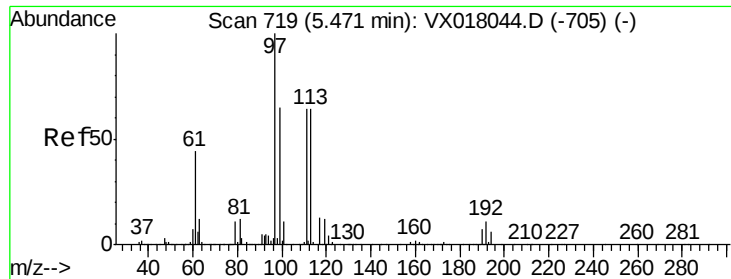


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

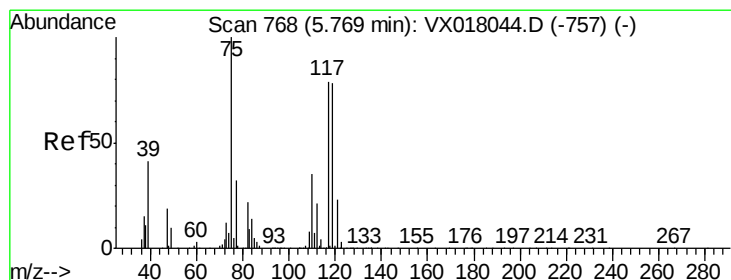
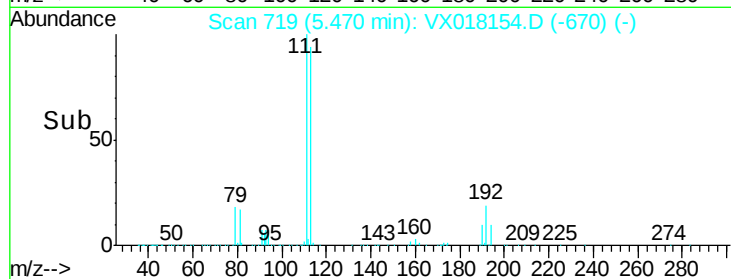
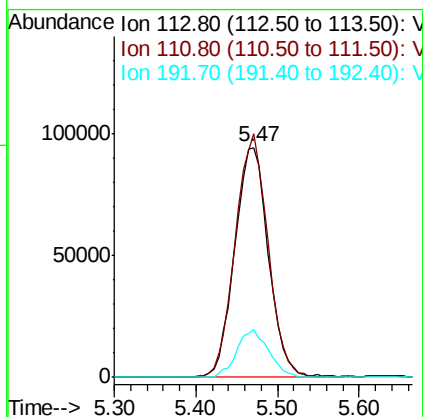
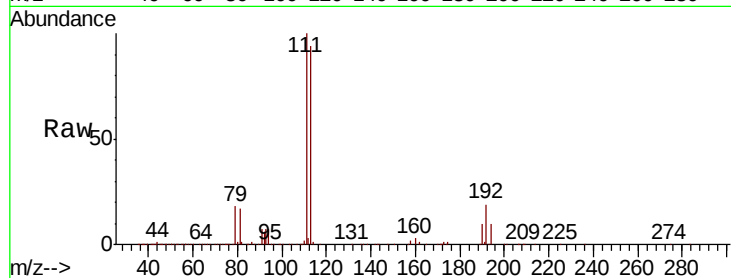




#35
 Dibromofluoromethane
 Concen: 51.504 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018154.D
 Acq: 31 Aug 2020 17:47

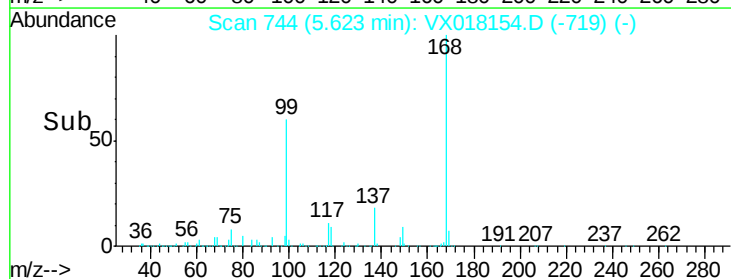
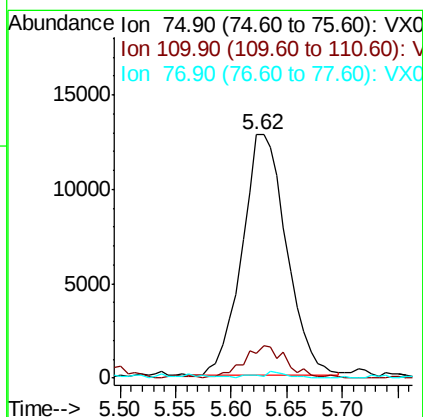
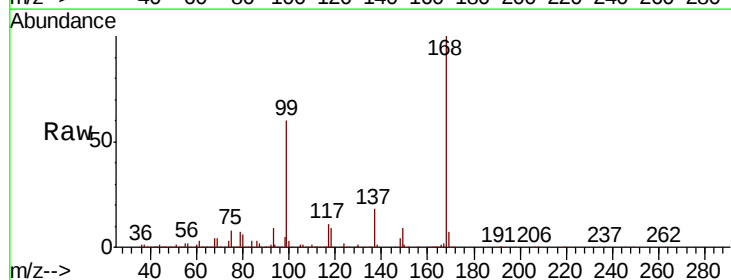
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-5

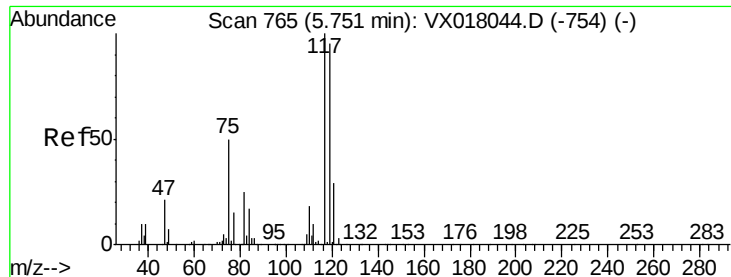
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	19.9	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX018154.D
 Acq: 31 Aug 2020 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.3	18.0	54.0#
77	1.7	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.235 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

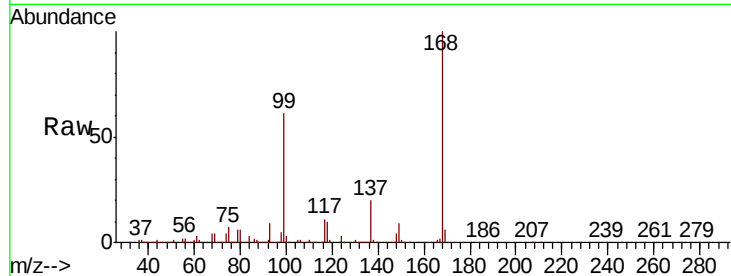
Tot Ion:117 Resp: 50058

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

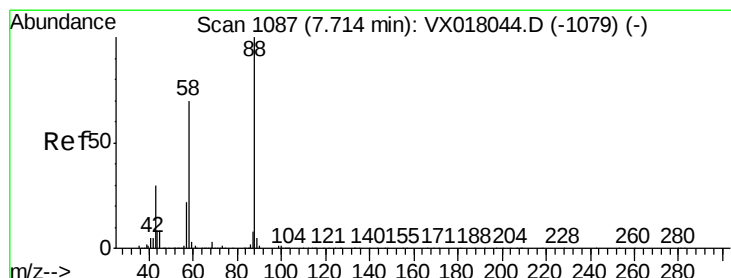
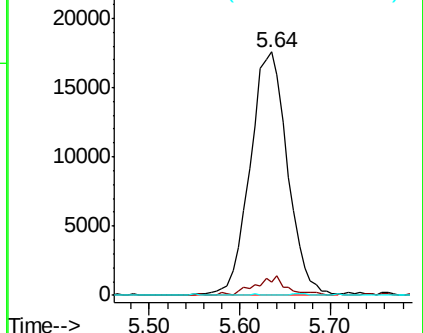
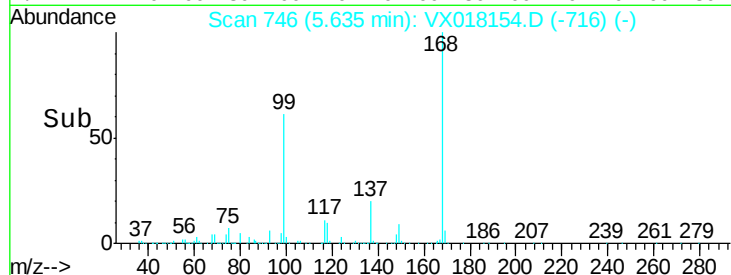
121 0.0 23.4 35.0#



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: 2.016 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

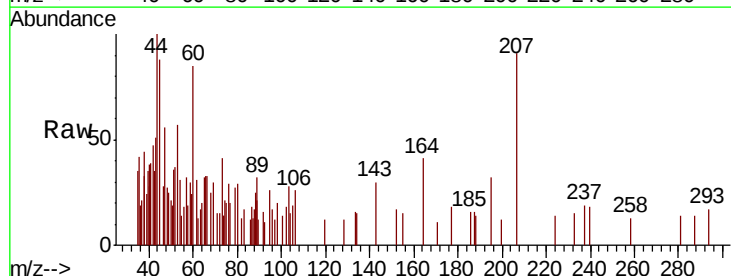
Tgt Ion: 88 Resp: 243

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

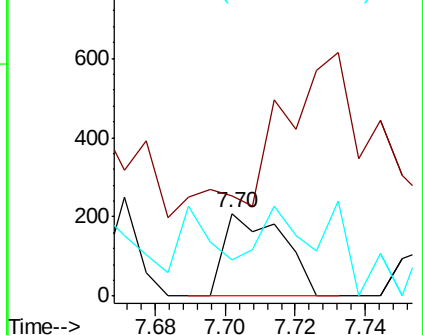
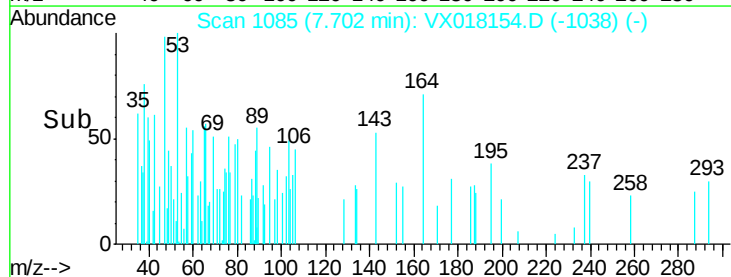
58 50.2 56.4 84.6#

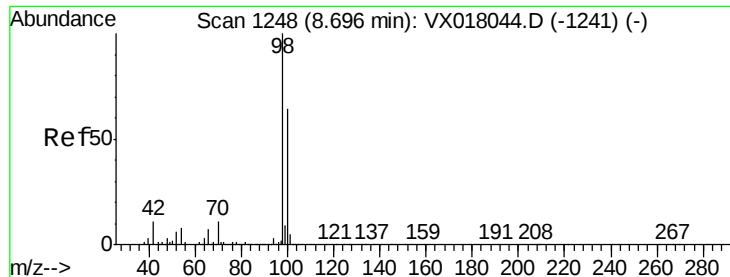


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.252 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

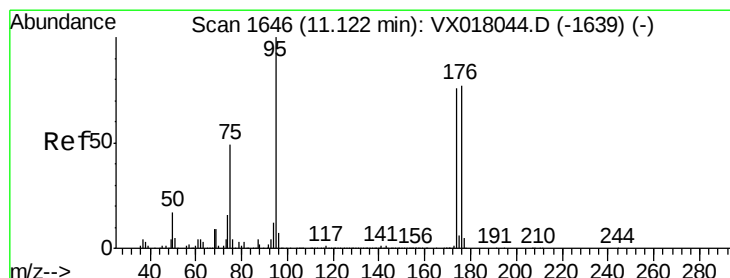
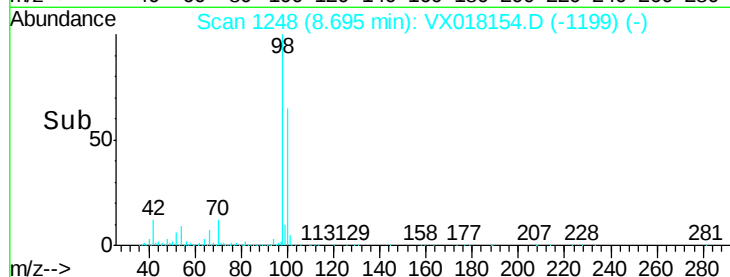
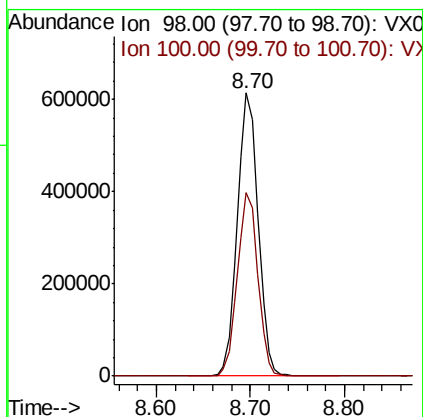
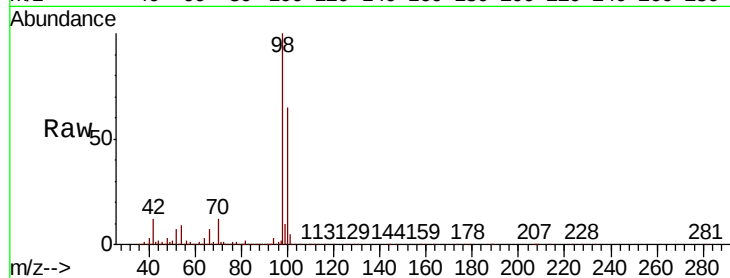
STORAGEBLANK-WATERREF-5

Tot Ion: 98 Resp: 945390

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.345 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

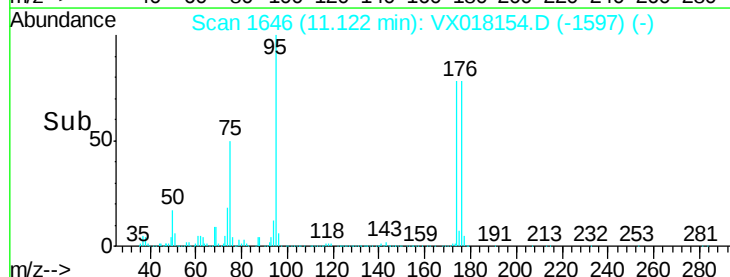
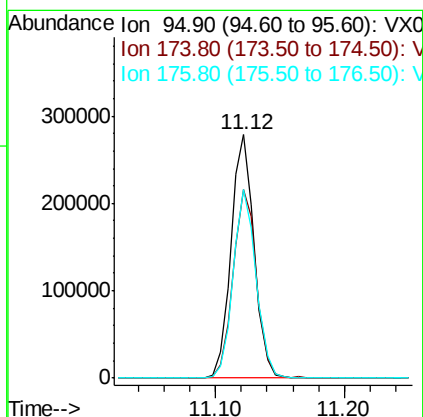
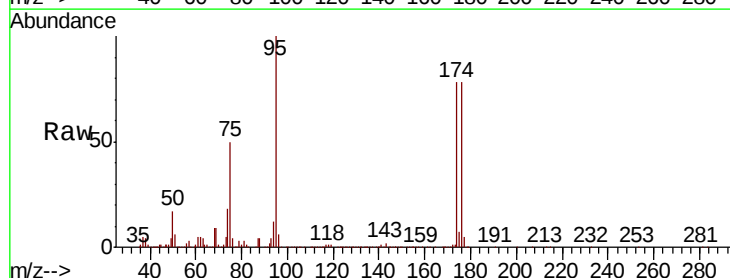
Tgt Ion: 95 Resp: 349548

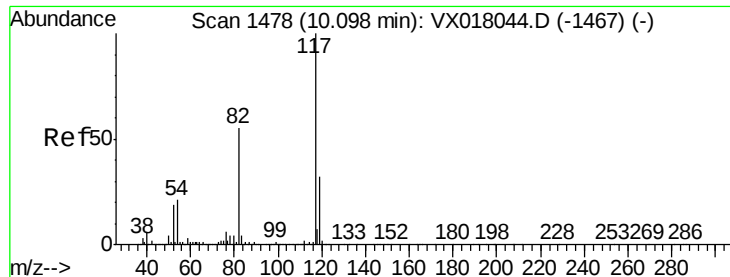
Ion Ratio Lower Upper

95 100

174 78.2 0.0 160.2

176 77.0 0.0 155.8

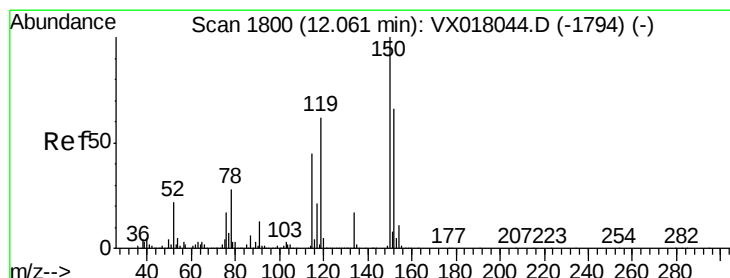
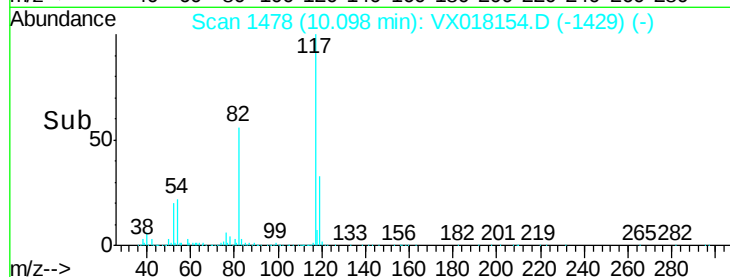
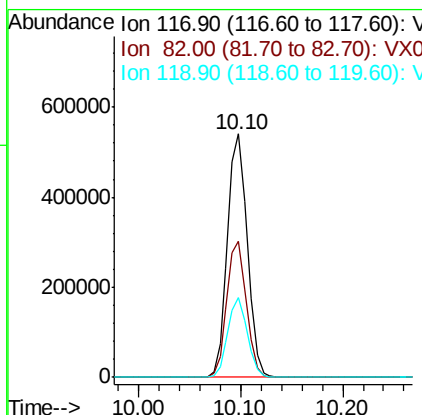
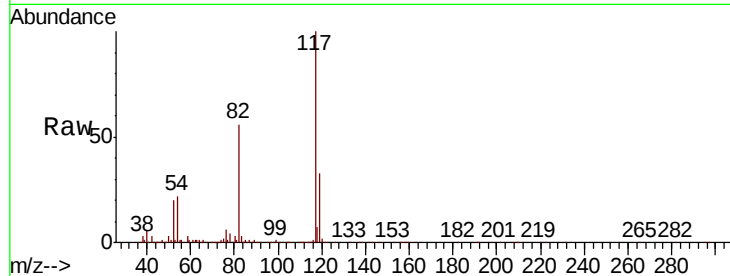




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018154.D
Acq: 31 Aug 2020 17:47

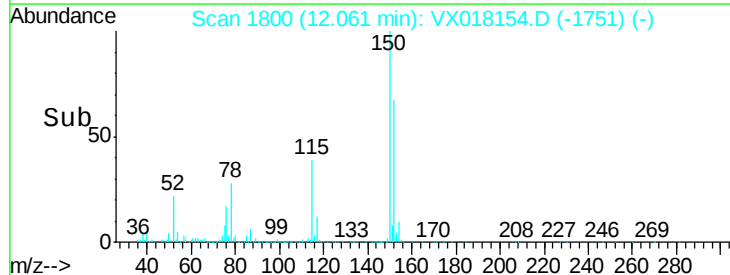
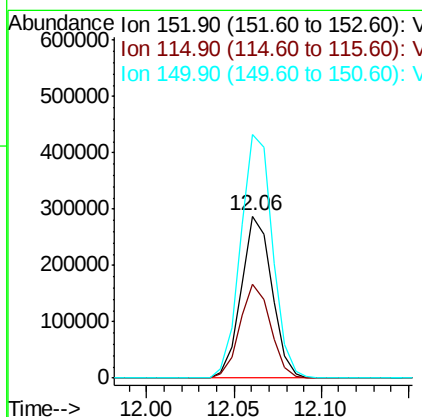
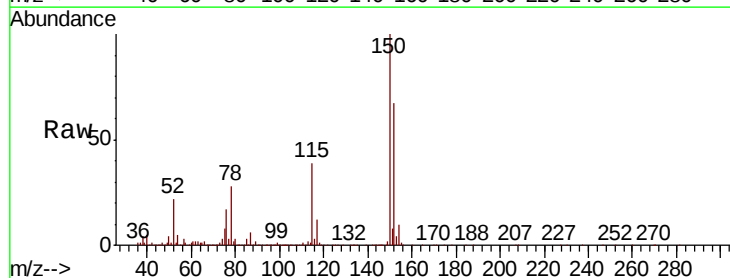
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

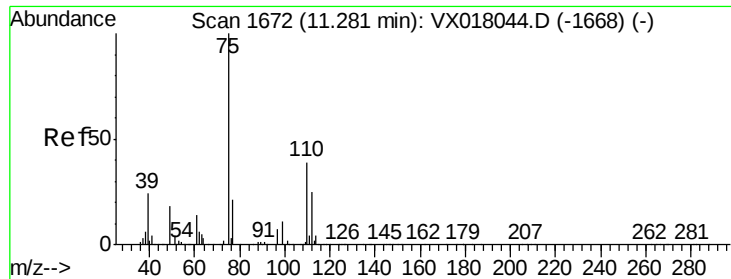
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.2	66.2
119	33.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018154.D
Acq: 31 Aug 2020 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	41.5	124.5
150	156.3	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.972 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

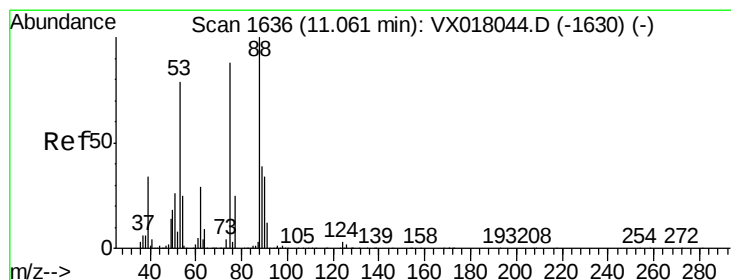
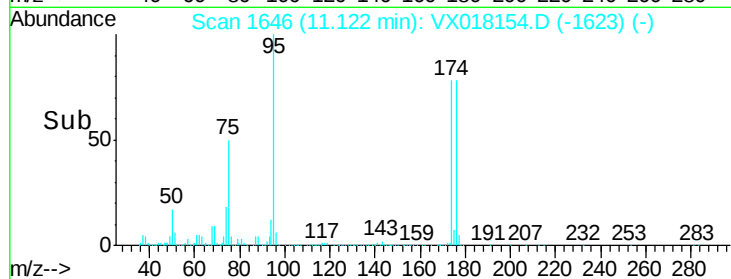
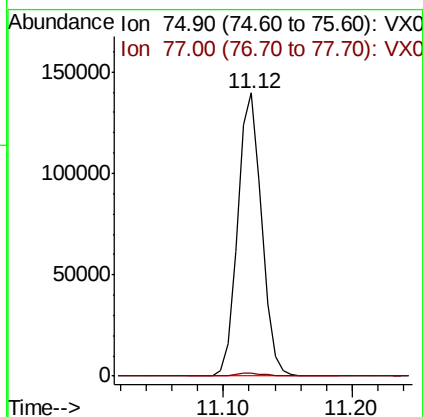
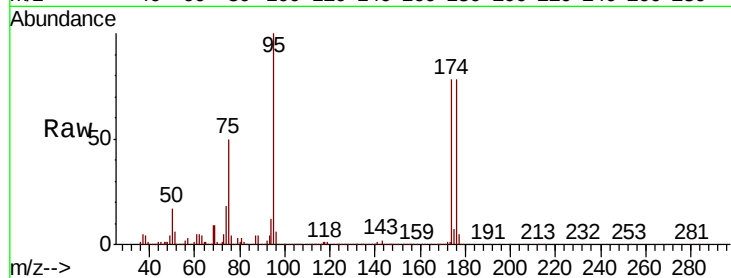
STORAGEBLANK-WATERREF-5

Tot Ion: 75 Resp: 179727

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.044 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018154.D

Acq: 31 Aug 2020 17:47

Tgt Ion: 75 Resp: 179727

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 36.6 54.8#

