

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082120\
 Data File : VX018059.D
 Acq On : 21 Aug 2020 15:22
 Operator : JC/SP
 Sample : L3770-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATERREF-5

Quant Time: Aug 21 23:54:13 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	5.63	168	555903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	881361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	792568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	380466	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	381527	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	5.47	113	295073	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.70	98	1083396	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.12	95	401184	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

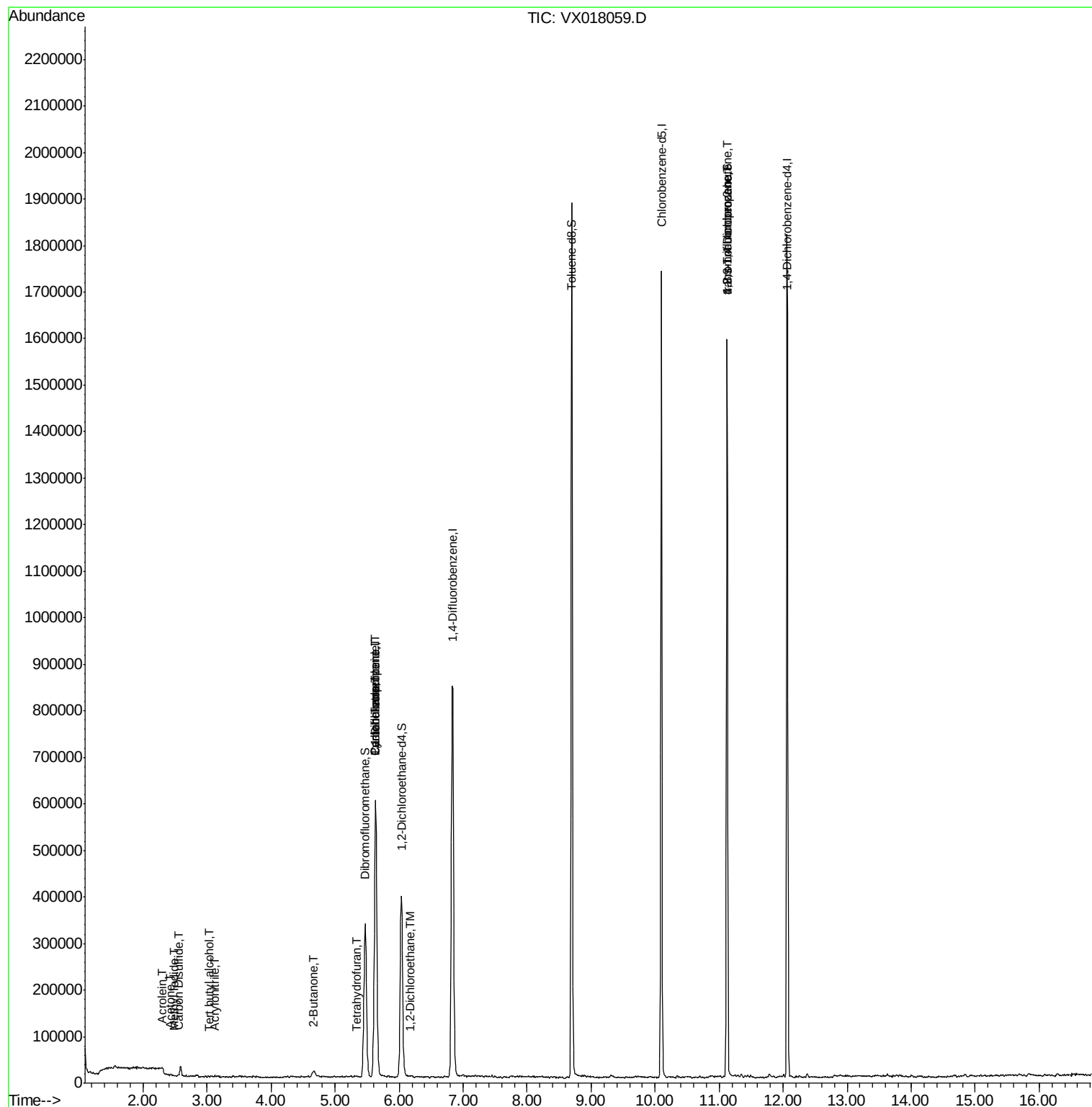
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	773	5.410	ug/l #	44
11) Tert butyl alcohol	3.03	59	500	0.333	ug/l #	71
13) Acrolein	2.29	56	535	0.860	ug/l	88
15) Acrylonitrile	3.12	53	701	0.206	ug/l #	31
16) Acetone	2.43	43	1999	0.665	ug/l	90
17) Carbon Disulfide	2.56	76	3668	0.223	ug/l #	95
20) Methylene Chloride	2.84	84	2250	Below Cal	#	82
25) 2-Butanone	4.66	43	1159	0.235	ug/l #	72
29) Tetrahydrofuran	5.35	42	725	0.230	ug/l	93
31) Cyclohexane	5.63	56	12436	1.346	ug/l #	8
36) 1,1-Dichloropropene	5.63	75	42115	5.181	ug/l #	51
38) Carbon Tetrachloride	5.63	117	58147	6.347	ug/l #	17
42) 1,2-Dichloroethane	6.17	62	1923	0.210	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	203099	23.997	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	203099	64.811	ug/l #	12

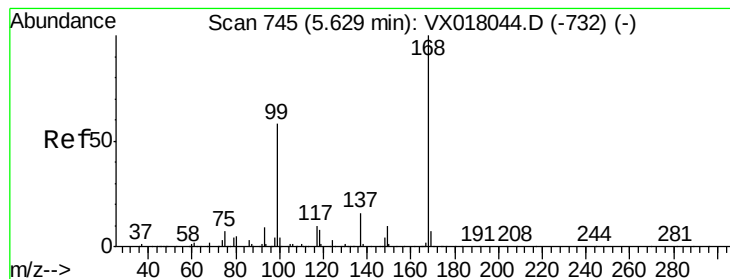
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

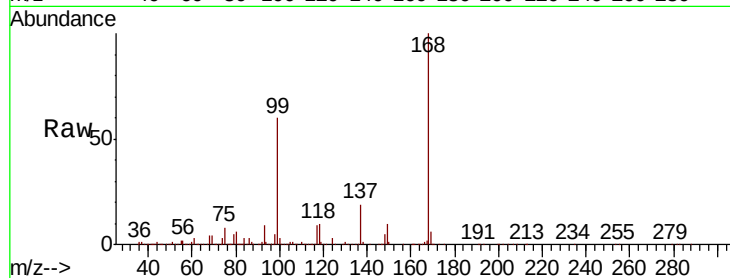
STORAGEBLANK-WATERREF-5

Tot Ion:168 Resp: 555903

Ion Ratio Lower Upper

168 100

99 59.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

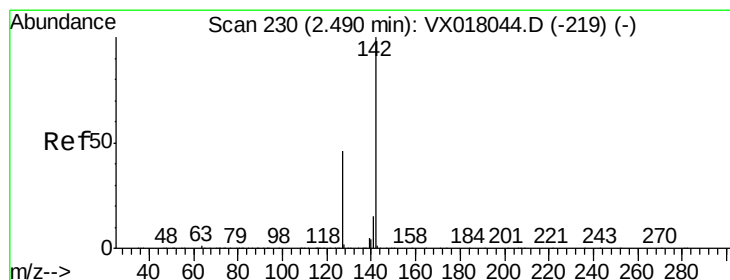
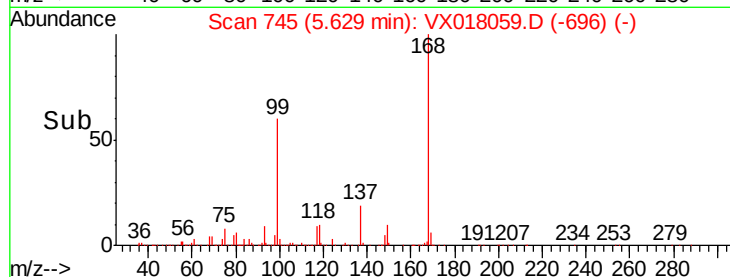
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.410 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

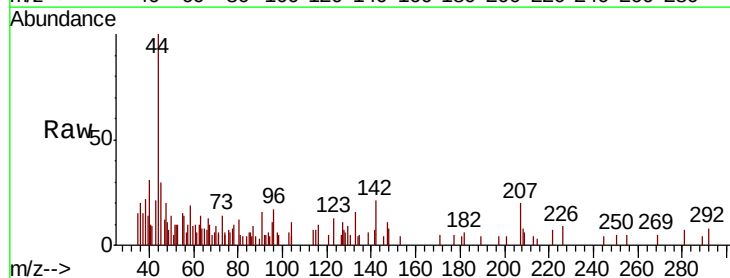
Tgt Ion:142 Resp: 773

Ion Ratio Lower Upper

142 100

127 93.3 37.0 55.6#

141 18.1 11.5 17.3#



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

400

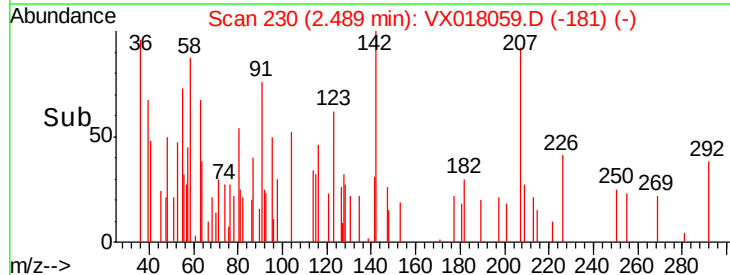
300

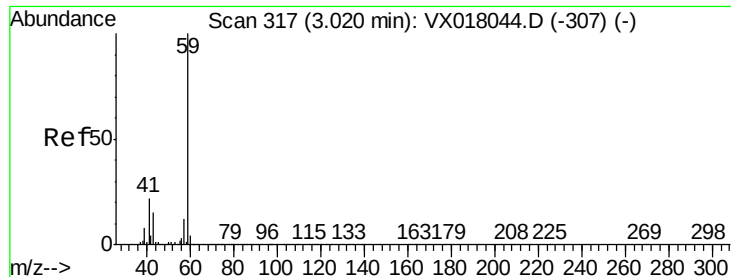
200

100

0

Time-->

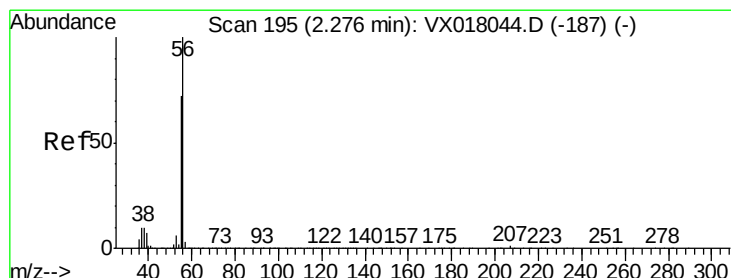
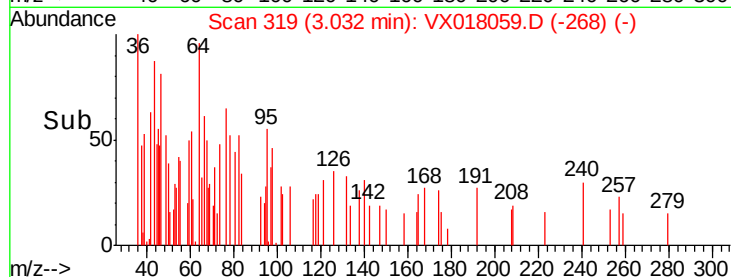
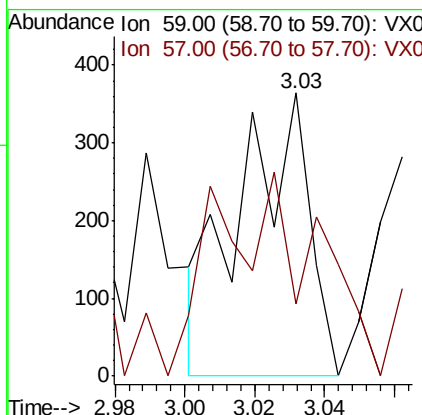
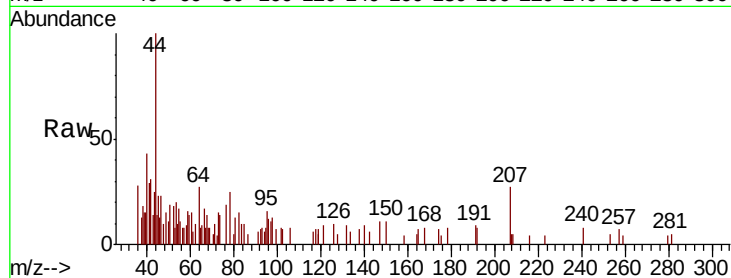




#11
Tert butyl alcohol
Concen: 0.333 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX018059.D
Acq: 21 Aug 2020 15:22

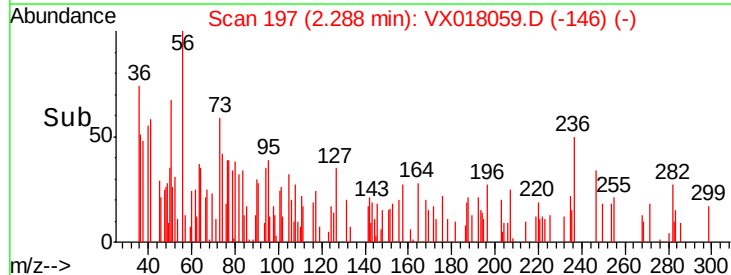
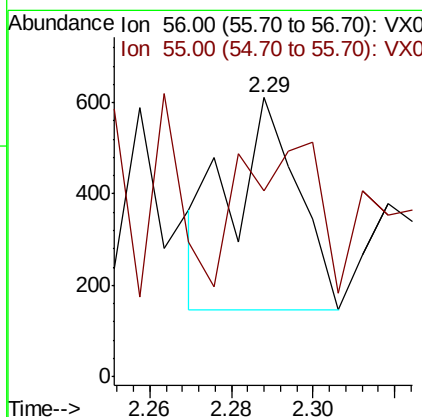
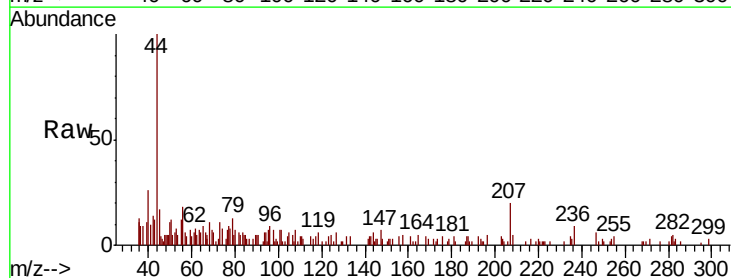
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

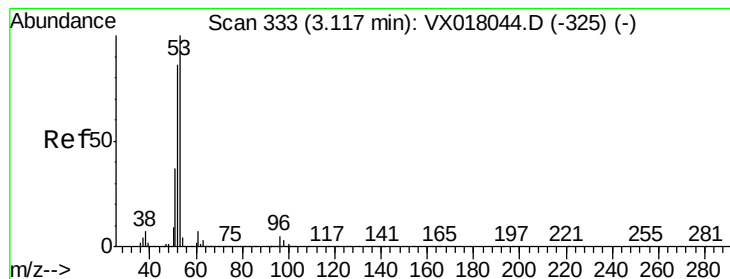
Tot Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.860 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018059.D
Acq: 21 Aug 2020 15:22

Tgt Ion: 56 Resp: 535
Ion Ratio Lower Upper
56 100
55 81.1 57.0 85.6





#15

Acrylonitrile

Concen: 0.206 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

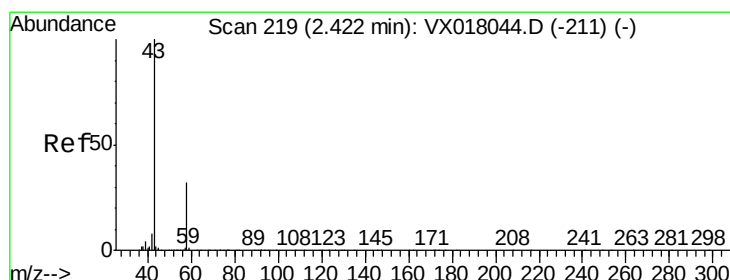
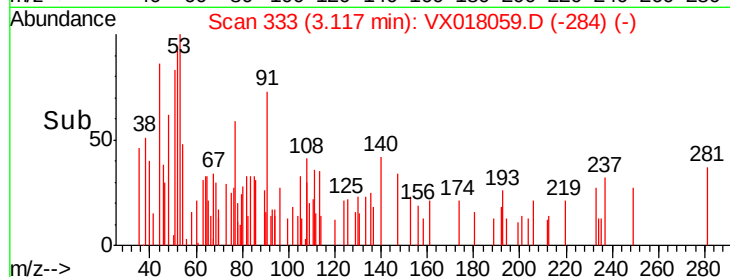
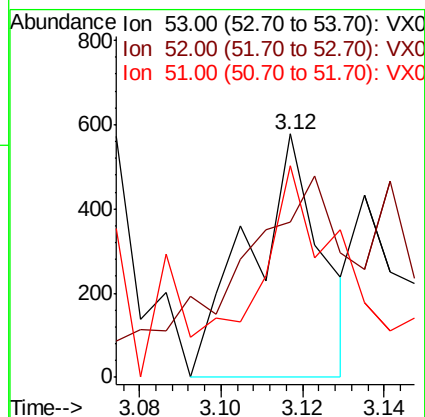
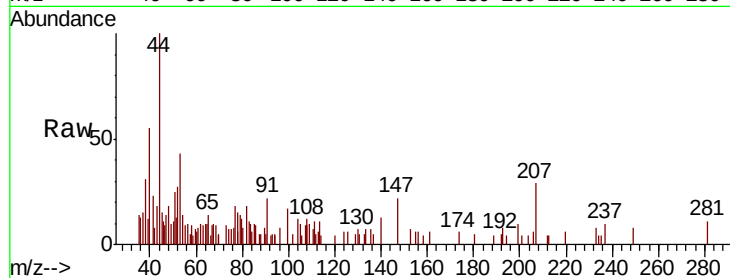
Tot Ion: 53 Resp: 701

Ion Ratio Lower Upper

53 100

52 149.1 66.9 100.3#

51 71.9 28.7 43.1#



#16

Acetone

Concen: 0.665 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018059.D

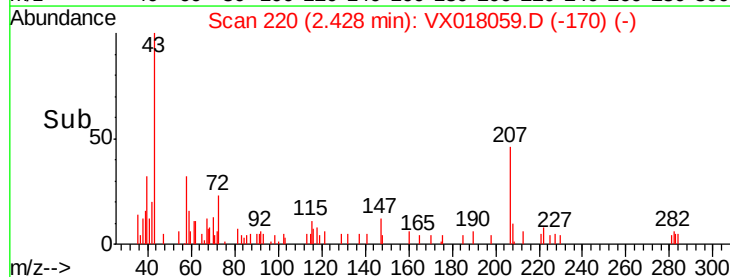
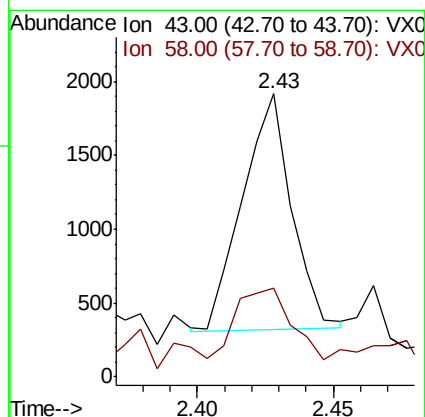
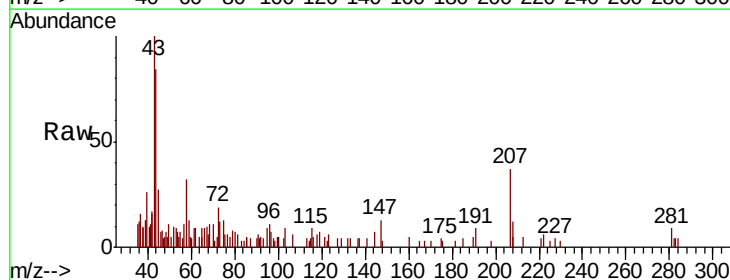
Acq: 21 Aug 2020 15:22

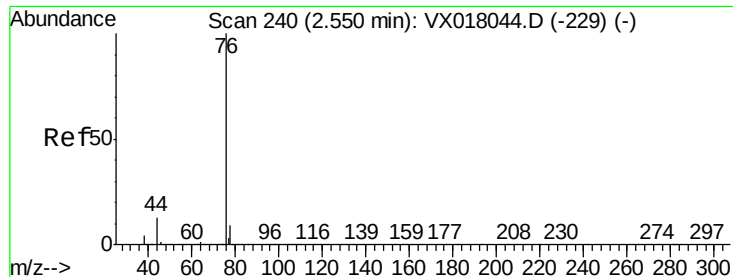
Tgt Ion: 43 Resp: 1999

Ion Ratio Lower Upper

43 100

58 26.6 25.5 38.3





#17

Carbon Disulfide

Concen: 0.223 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

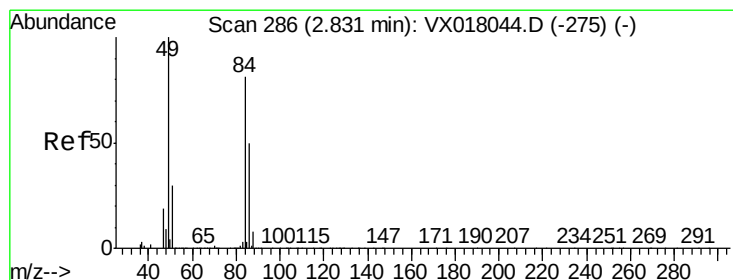
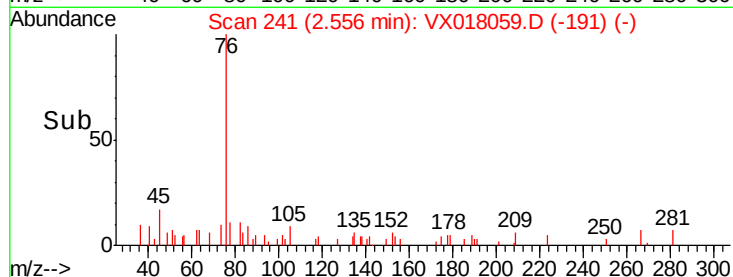
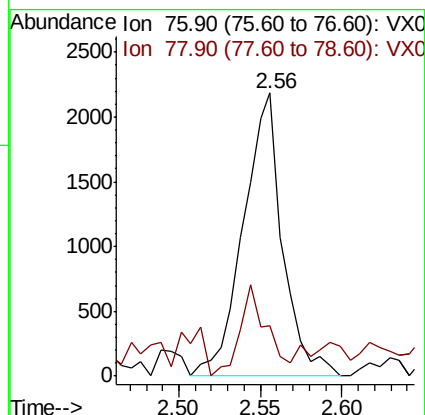
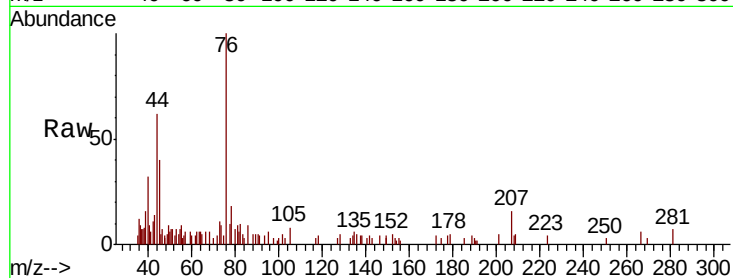
STORAGEBLANK-WATERREF-5

Tot Ion: 76 Resp: 3668

Ion Ratio Lower Upper

76 100

78 7.2 7.4 11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Tgt Ion: 84 Resp: 2250

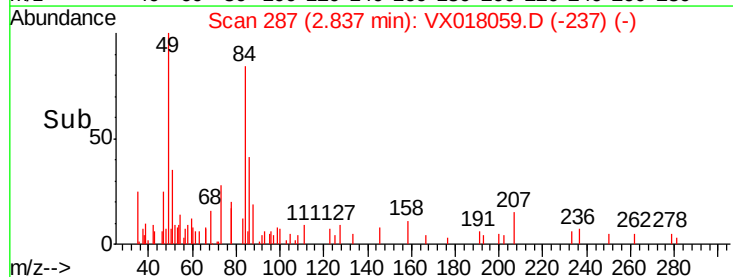
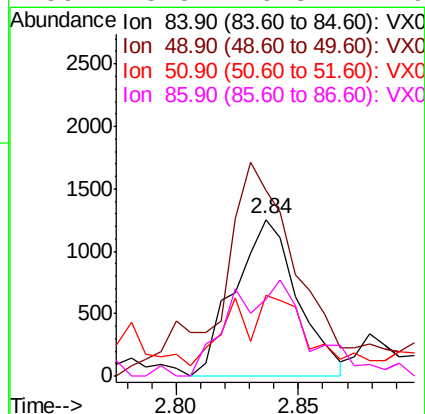
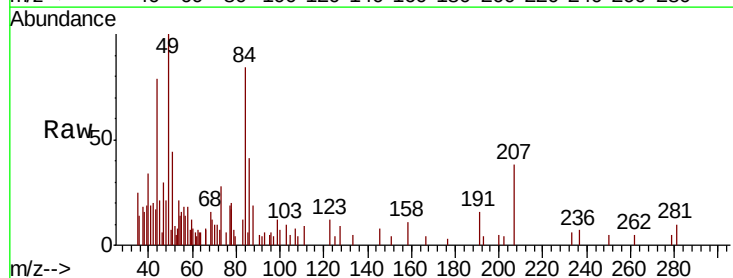
Ion Ratio Lower Upper

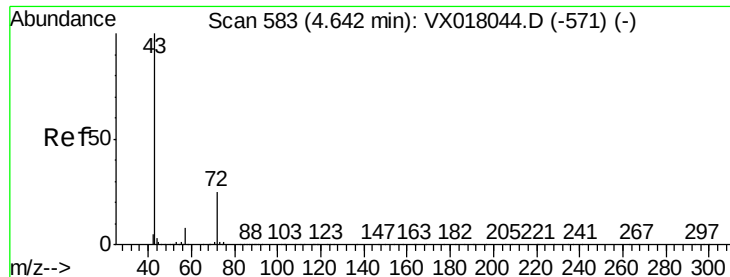
84 100

49 101.2 98.6 148.0

51 45.0 29.6 44.4#

86 48.8 49.8 74.6#

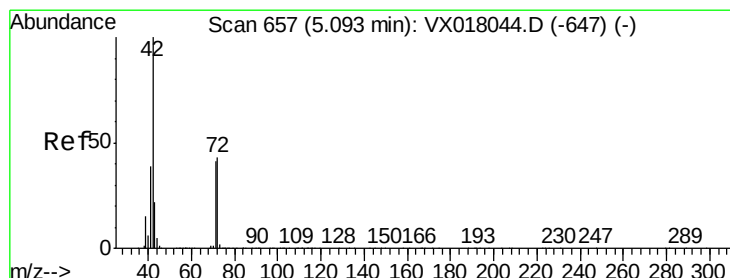
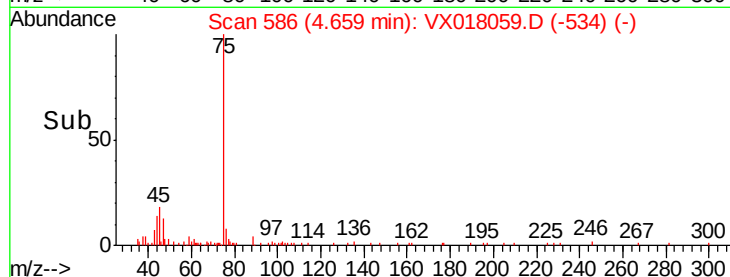
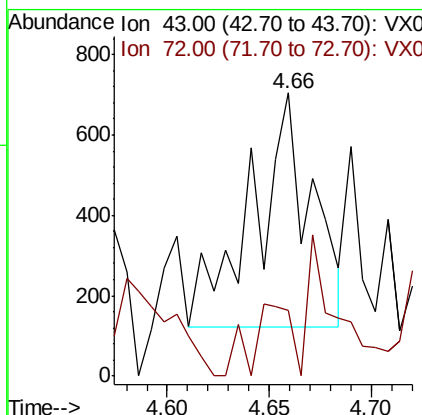
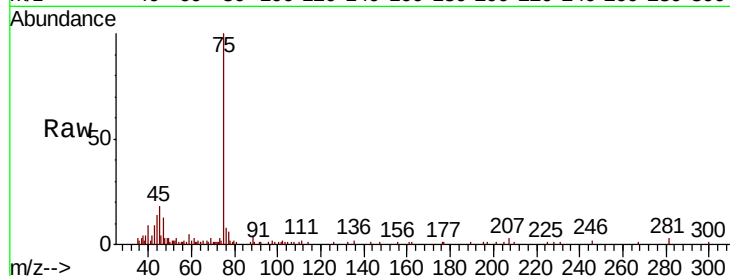




#25
2-Butanone
Concen: 0.235 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018059.D
Acq: 21 Aug 2020 15:22

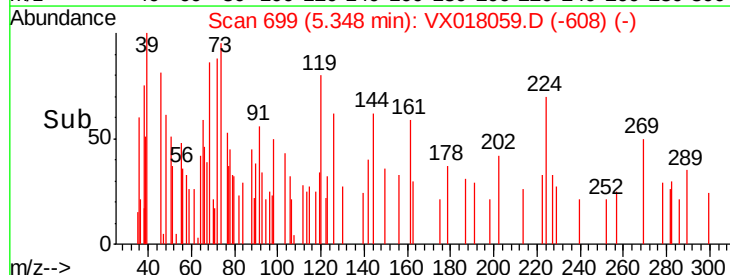
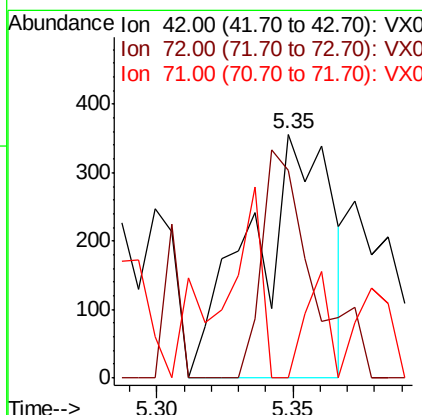
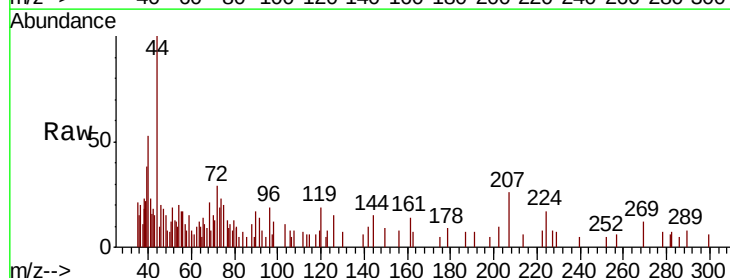
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

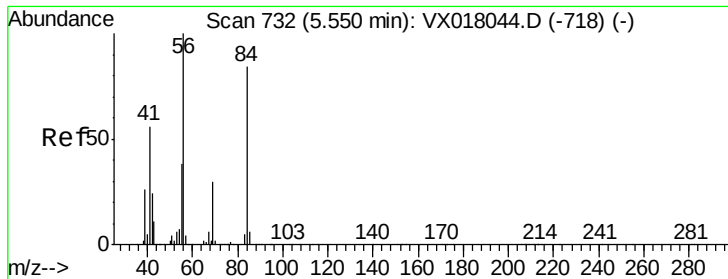
Tot Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
72 10.8 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 5.35 min Scan# 699
Delta R.T. 0.26 min
Lab File: VX018059.D
Acq: 21 Aug 2020 15:22

Tgt Ion: 42 Resp: 725
Ion Ratio Lower Upper
42 100
72 49.4 34.2 51.4
71 38.2 32.1 48.1





#31

Cyclohexane

Concen: 1.346 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

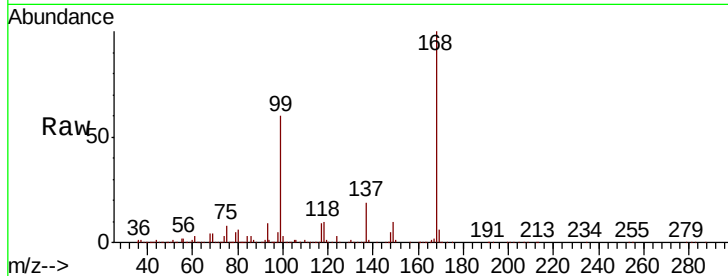
Tot Ion: 56 Resp: 12436

Ion Ratio Lower Upper

56 100

69 170.5 23.9 35.9#

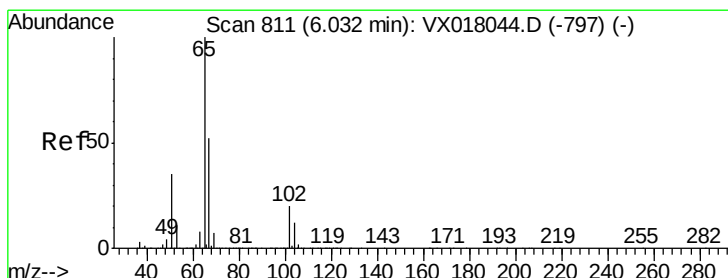
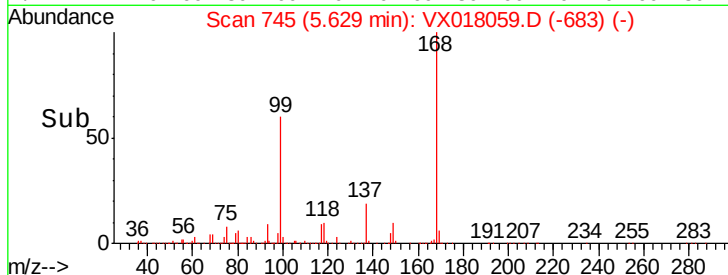
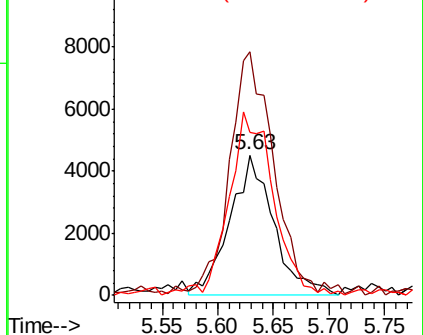
84 113.0 67.0 100.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.438 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018059.D

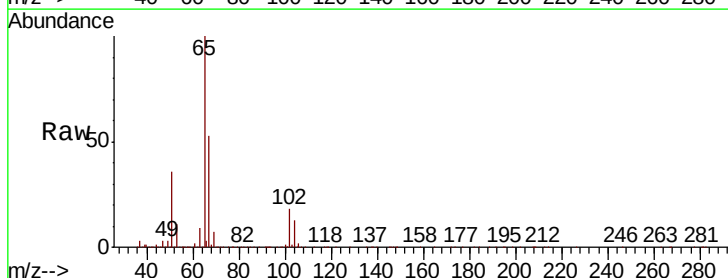
Acq: 21 Aug 2020 15:22

Tgt Ion: 65 Resp: 381527

Ion Ratio Lower Upper

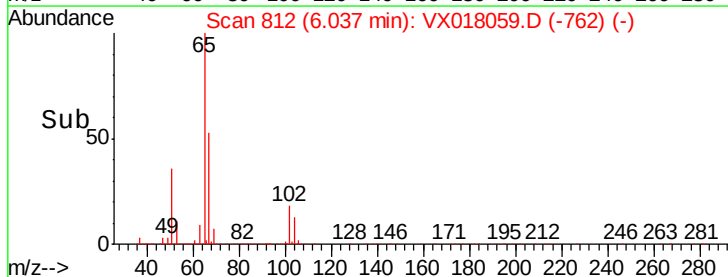
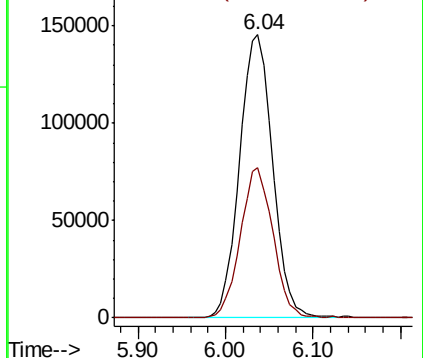
65 100

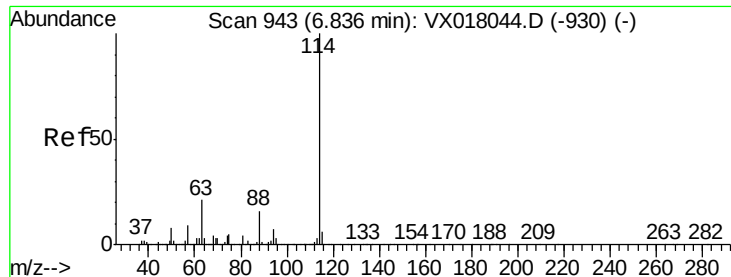
67 52.5 0.0 105.8



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: VX018059.D

Acq: 21 Aug 2020 15:22

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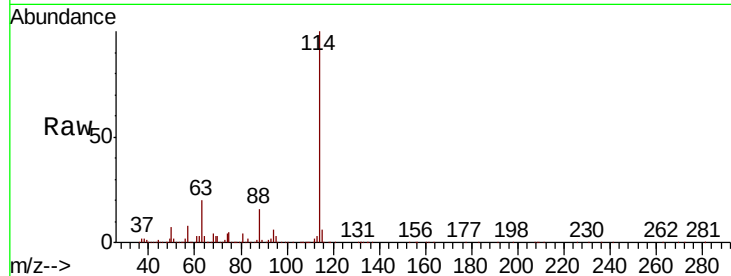
Tot Ion:114 Resp: 881361

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

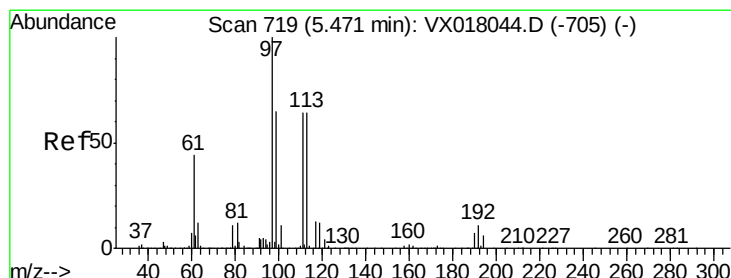
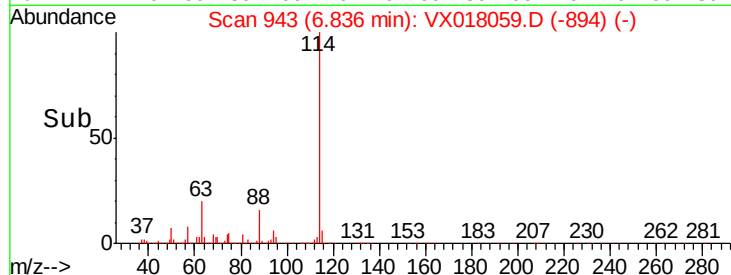
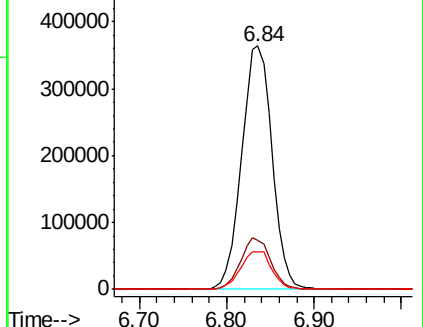
88 15.7 0.0 31.8



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: 49.158 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

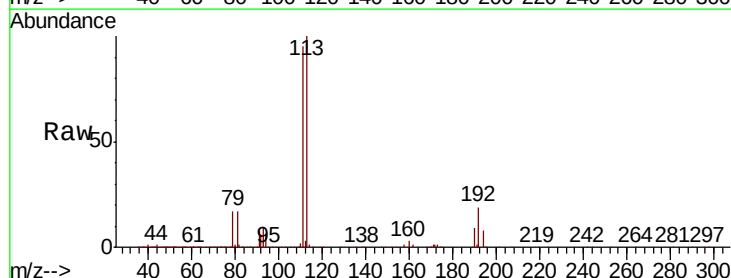
Tgt Ion:113 Resp: 295073

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

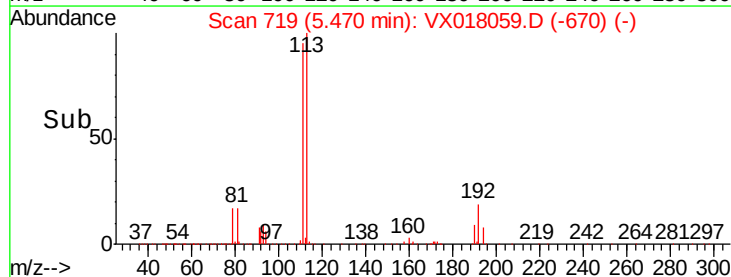
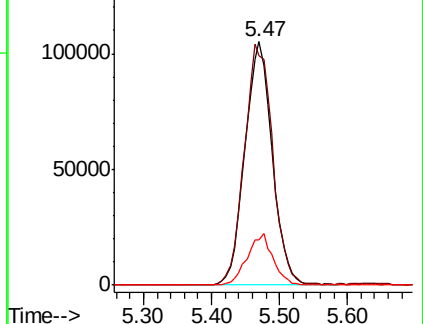
192 20.0 15.8 23.8

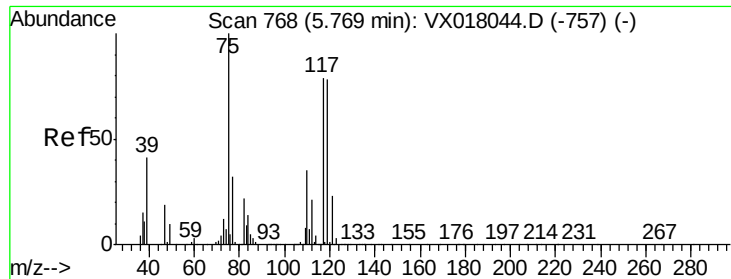


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

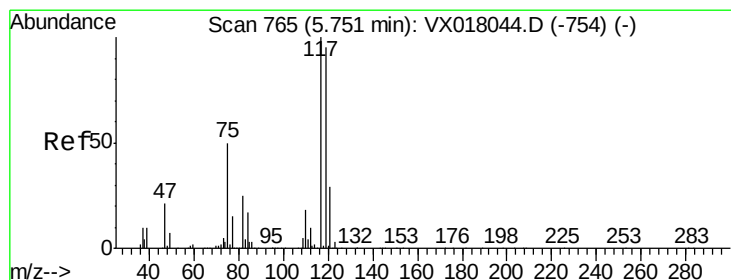
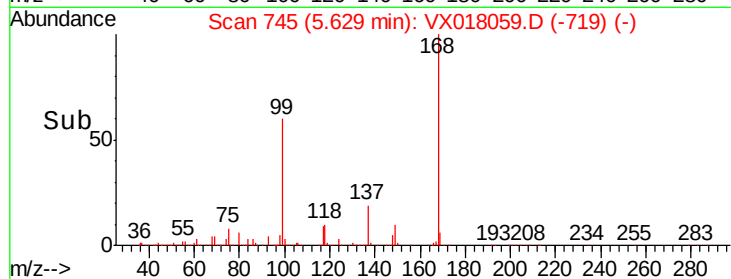
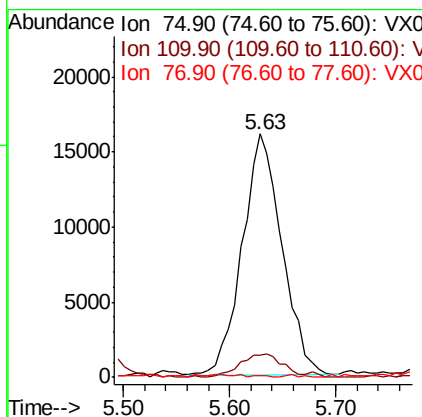
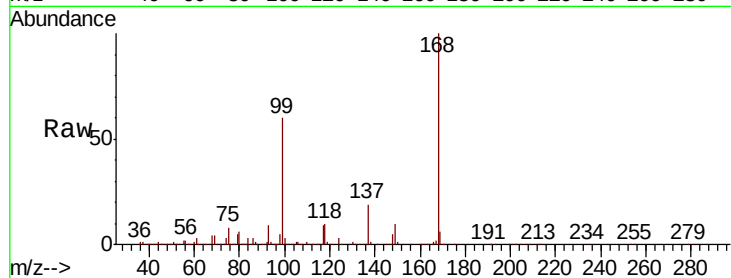




#36
 1,1-Dichloropropene
 Concen: 5.181 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018059.D
 Acq: 21 Aug 2020 15:22

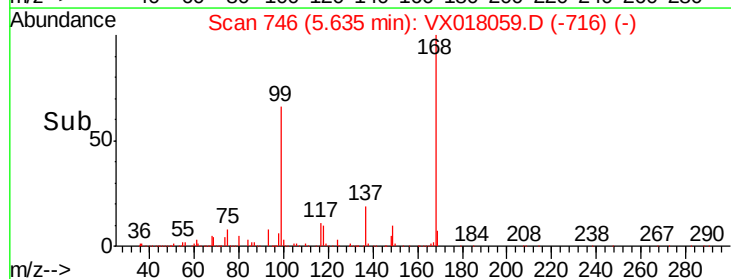
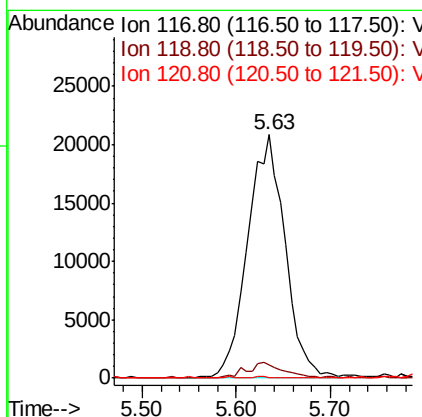
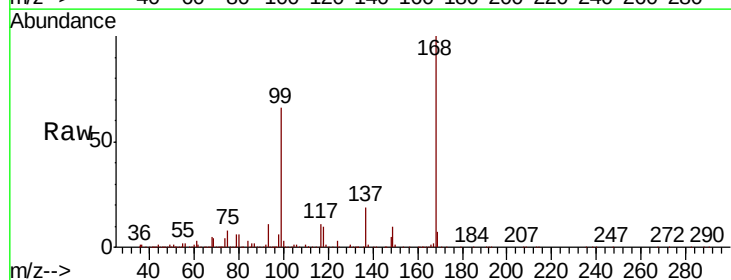
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-5

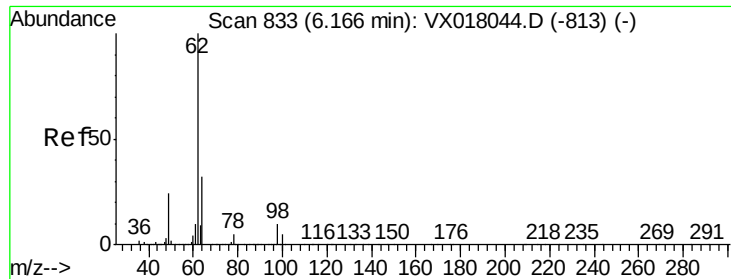
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.0	54.0#
77	0.2	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.347 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018059.D
 Acq: 21 Aug 2020 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.6#
121	0.0	23.4	35.0#





#42

1,2-Dichloroethane

Concen: 0.210 ug/l

RT: 6.17 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

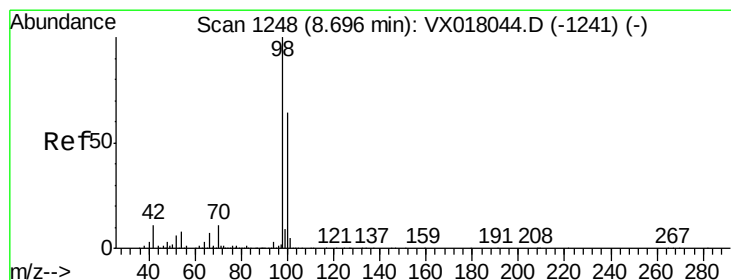
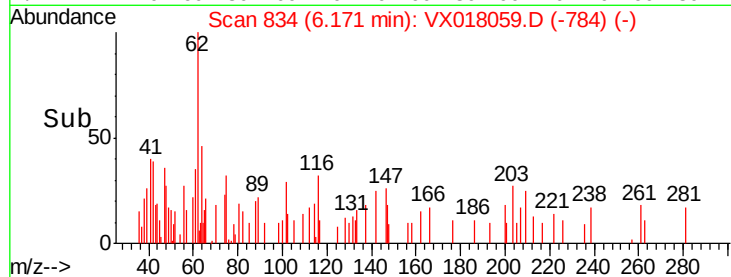
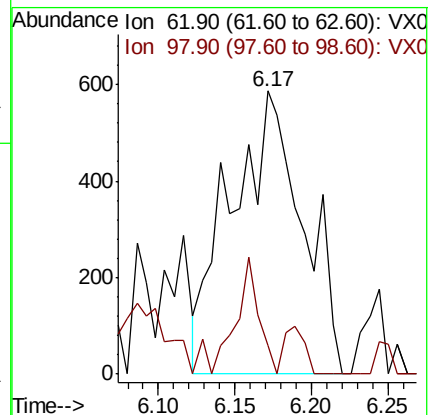
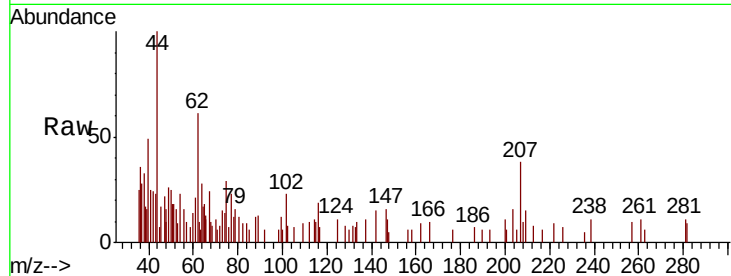
STORAGEBLANK-WATERREF-5

Tot Ion: 62 Resp: 1923

Ion Ratio Lower Upper

62 100

98 12.8 0.0 18.2



#50

Toluene-d8

Concen: 48.460 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018059.D

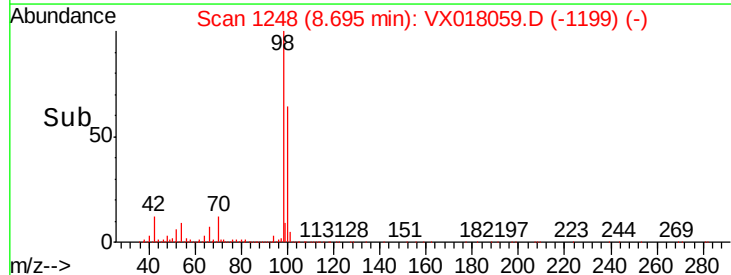
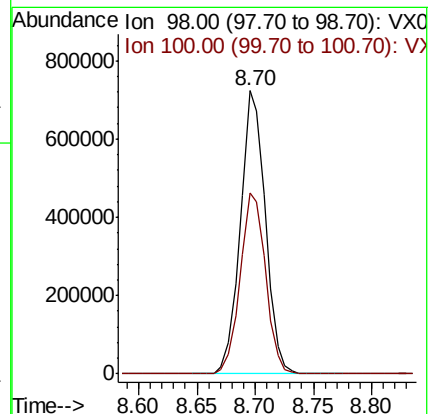
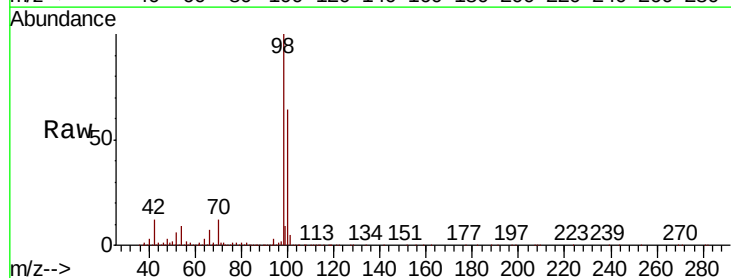
Acq: 21 Aug 2020 15:22

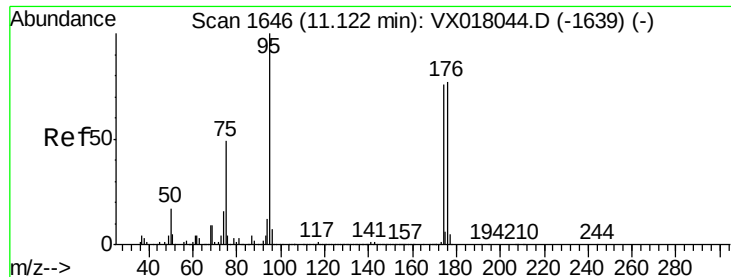
Tgt Ion: 98 Resp: 1083396

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4

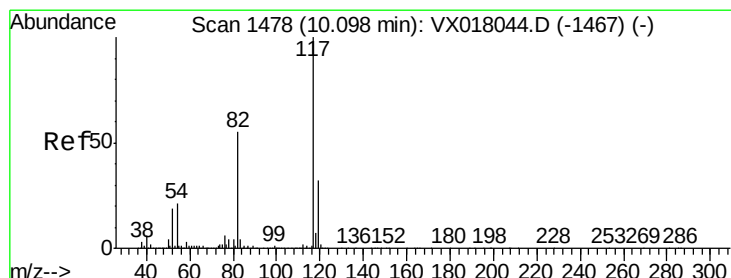
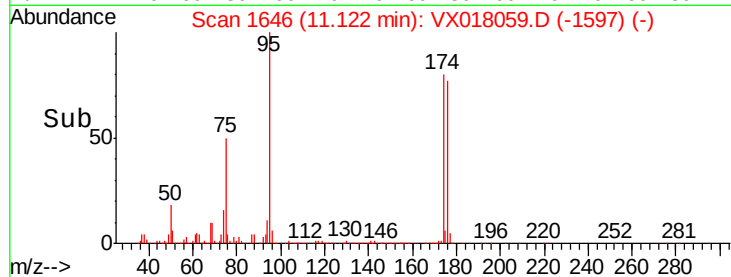
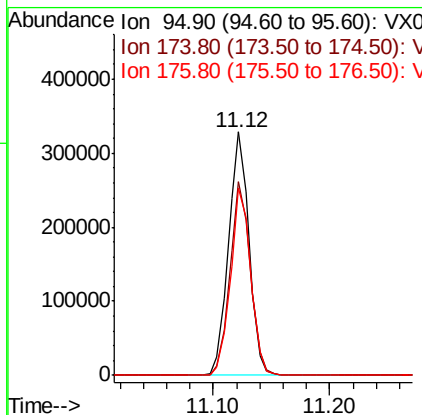
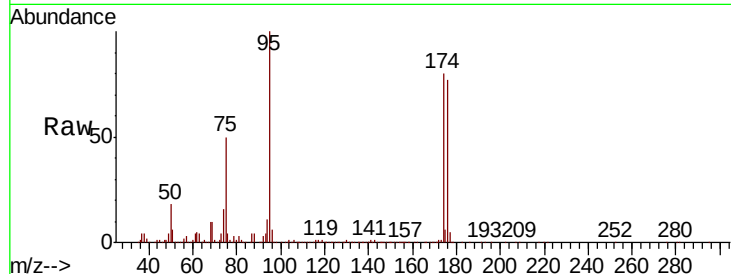




#62
 4-Bromofluorobenzene
 Concen: 45.610 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018059.D
 Acq: 21 Aug 2020 15:22

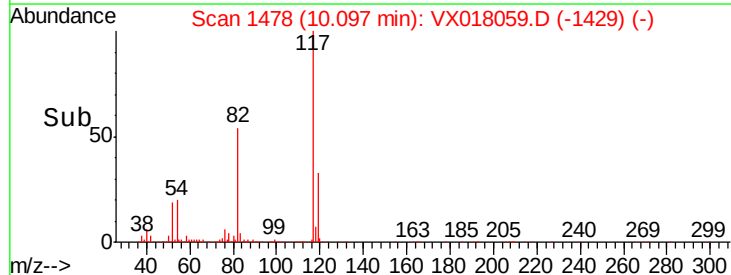
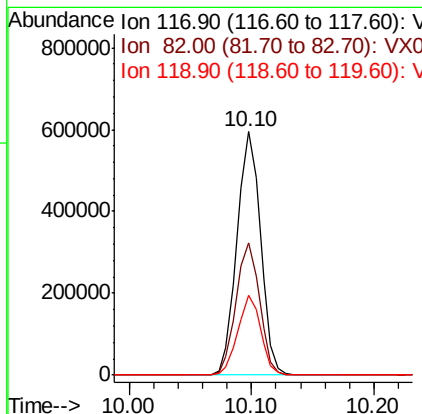
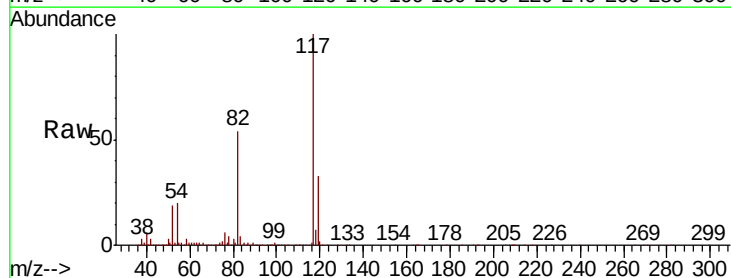
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-5

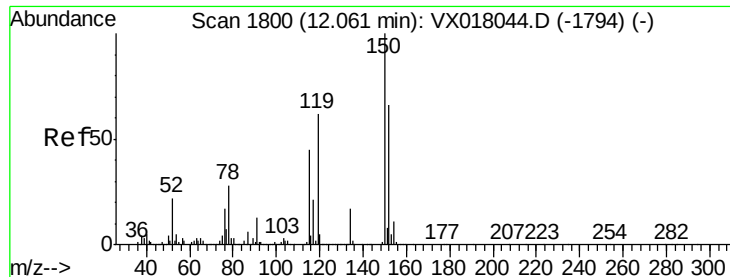
Tot Ion: 95 Resp: 401184
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 160.2
 176 76.2 0.0 155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX018059.D
 Acq: 21 Aug 2020 15:22

Tgt Ion: 117 Resp: 792568
 Ion Ratio Lower Upper
 117 100
 82 54.2 44.2 66.2
 119 32.7 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: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

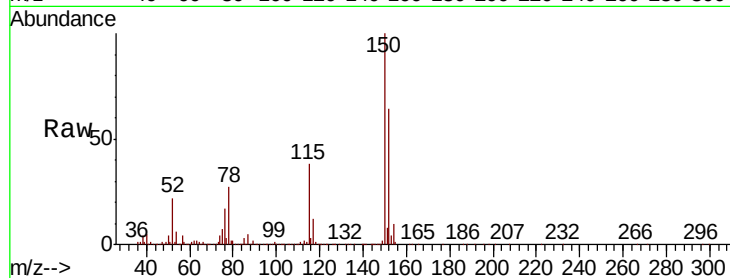
Tot Ion:152 Resp: 380466

Ion Ratio Lower Upper

152 100

115 58.0 41.5 124.5

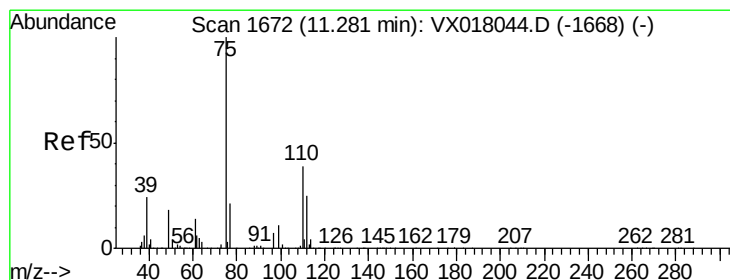
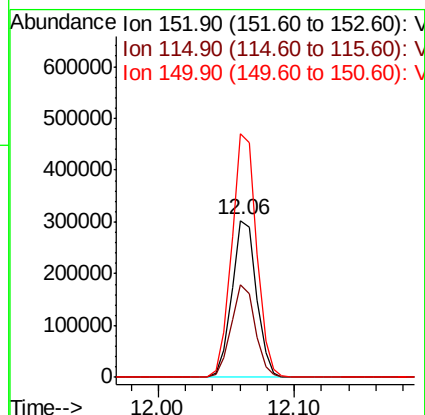
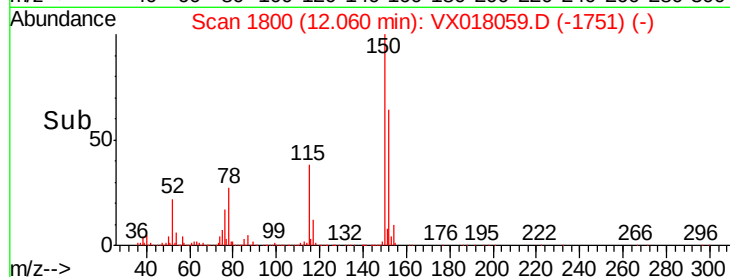
150 156.5 0.0 343.8



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: 23.997 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018059.D

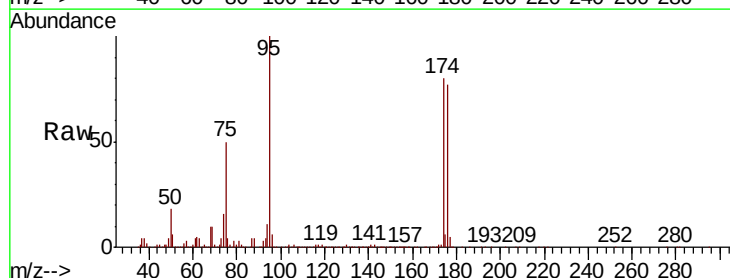
Acq: 21 Aug 2020 15:22

Tgt Ion: 75 Resp: 203099

Ion Ratio Lower Upper

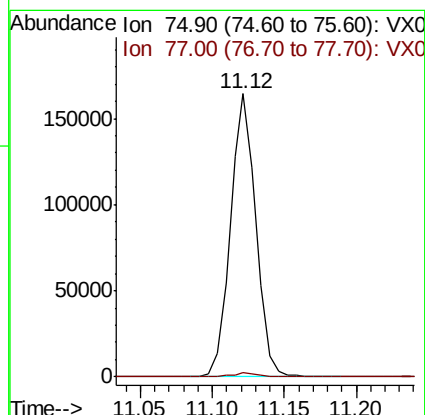
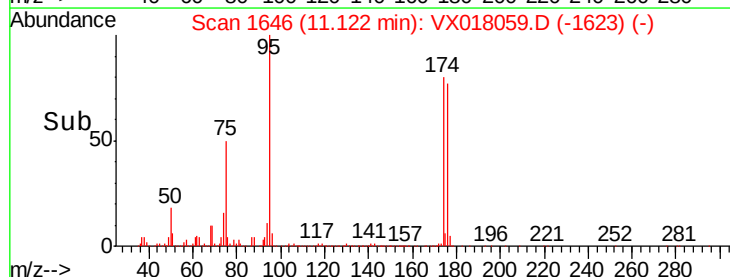
75 100

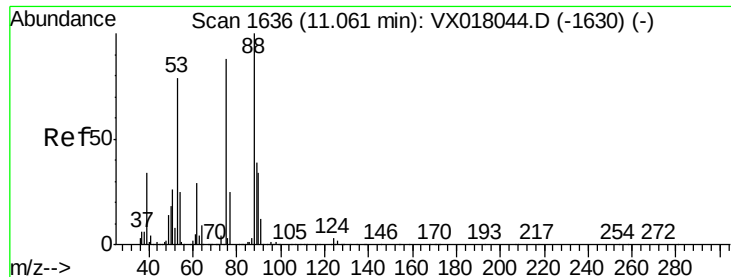
77 1.5 20.8 62.2#



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: 64.811 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018059.D

Acq: 21 Aug 2020 15:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

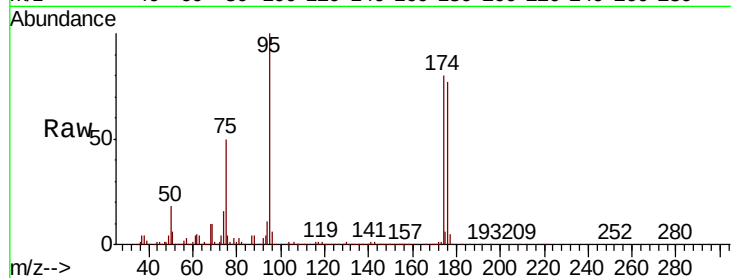
Tot Ion: 75 Resp: 203099

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.1 36.6 54.8#



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

