

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
 Data File : VX006859.D
 Acq On : 28 Dec 2018 14:20
 Operator : JC/MD
 Sample : J6592-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Dec 28 22:58:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	666297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1004128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	910869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	437662	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	342517	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	5.51	113	305527	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	1169769	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	420510	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	

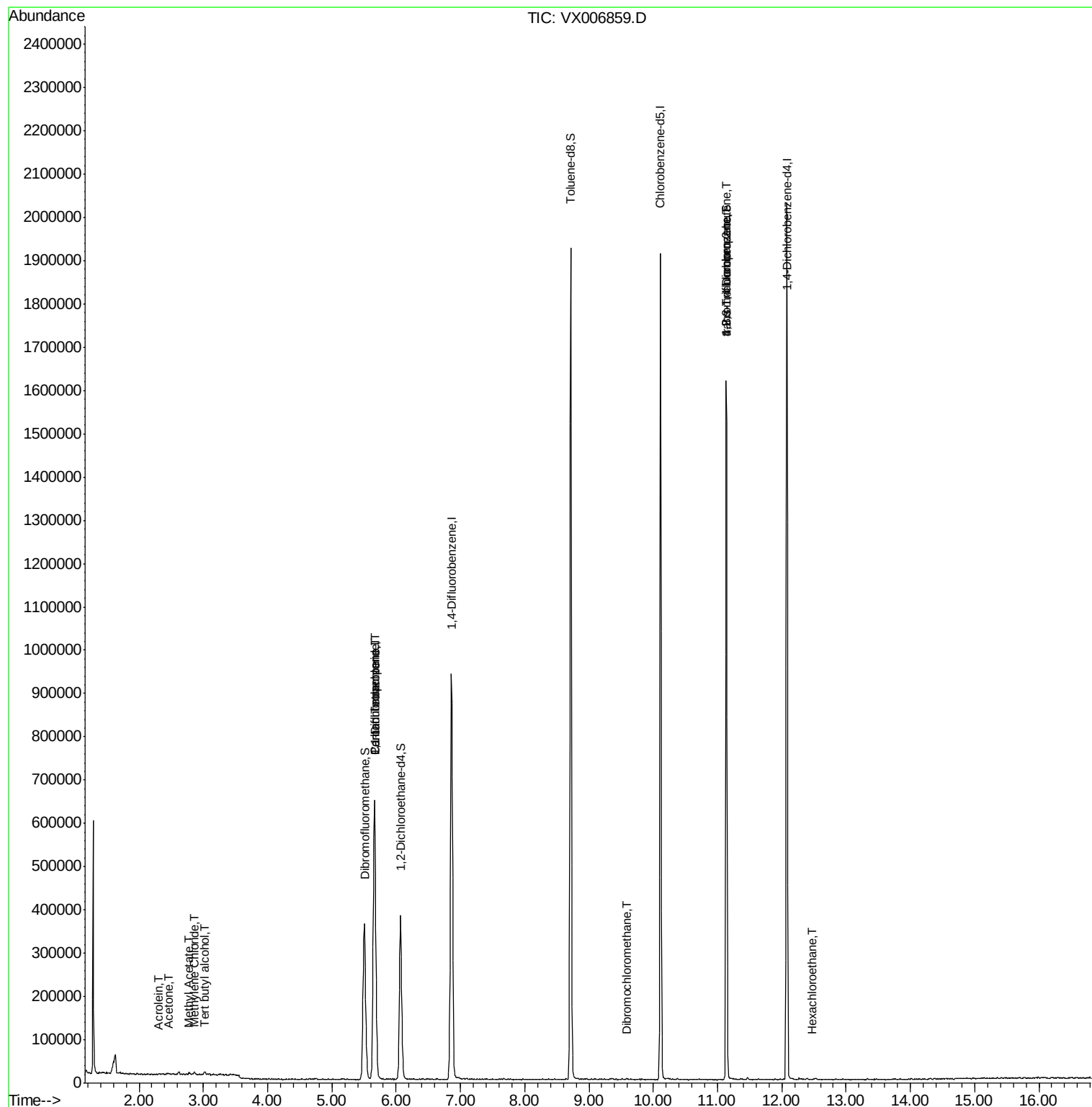
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2336	Below Cal	#	77
11) Tert butyl alcohol	3.03	59	5383	3.359	ug/l #	89
13) Acrolein	2.30	56	326	0.302	ug/l #	69
16) Acetone	2.45	43	4312	1.307	ug/l #	80
18) Methyl Acetate	2.78	43	5141	0.530	ug/l #	70
20) Methylene Chloride	2.85	84	3300	0.484	ug/l #	91
28) Bromochloromethane	5.01	49	169	Below Cal	#	3
36) 1,1-Dichloropropene	5.66	75	42846	5.152	ug/l #	49
38) Carbon Tetrachloride	5.66	117	61490	7.608	ug/l #	13
49) 1,4-Dioxane	7.73	88	151	Below Cal	#	1
60) Dibromochloromethane	9.59	129	117	2.340	ug/l	78
76) 1,2,3-Trichloropropane	11.13	75	199494	24.527	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199494	72.557	ug/l #	10
90) Hexachloroethane	12.48	117	107	3.317	ug/l	89

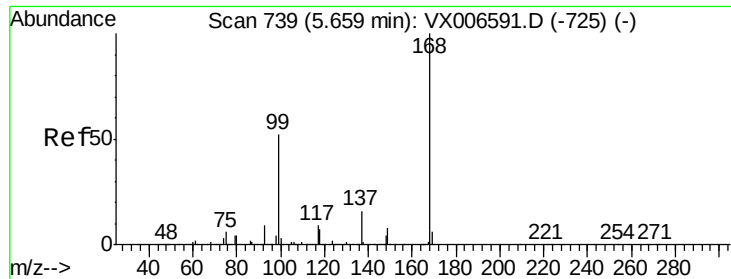
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

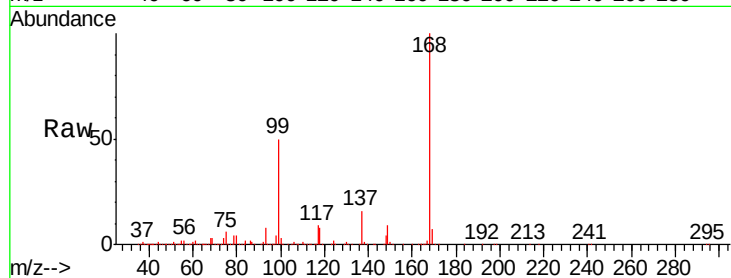
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:168 Resp: 666297

Ion Ratio Lower Upper

168 100

99 49.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

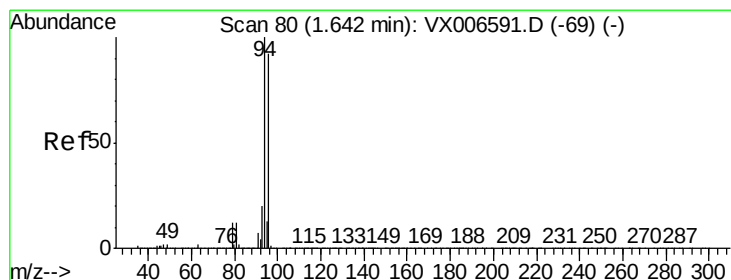
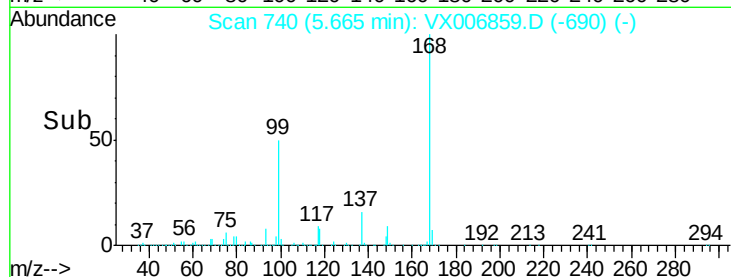
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006859.D

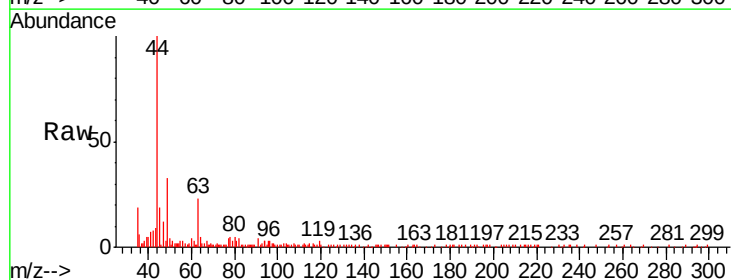
Acq: 28 Dec 2018 14:20

Tgt Ion: 94 Resp: 2336

Ion Ratio Lower Upper

94 100

96 114.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

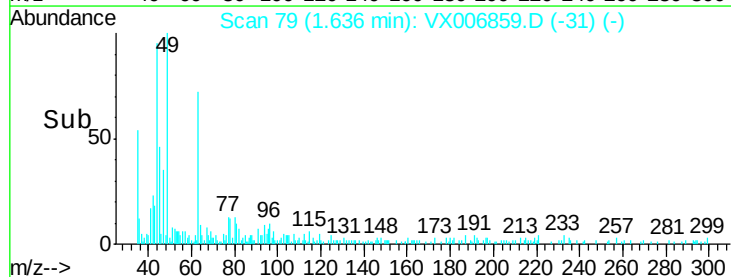
600

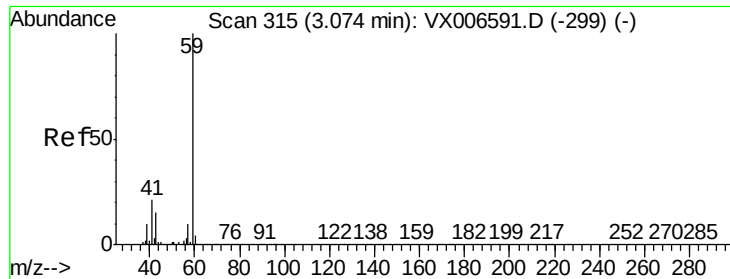
400

200

0

Time--> 1.55 1.60 1.65 1.70

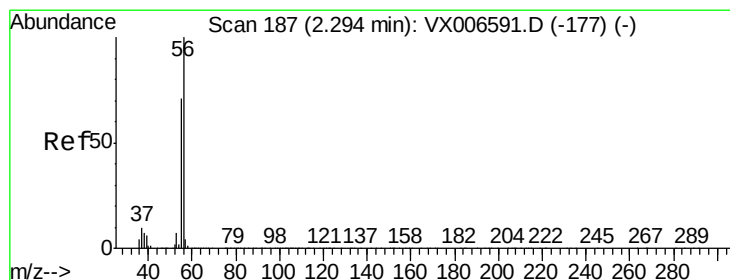
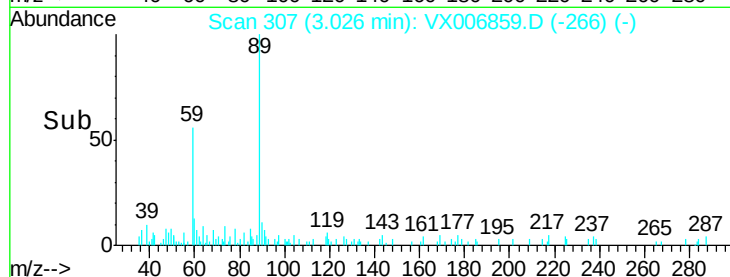
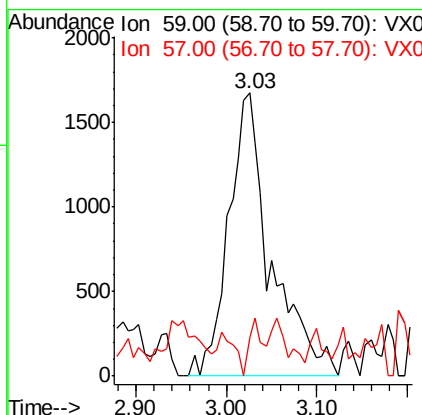
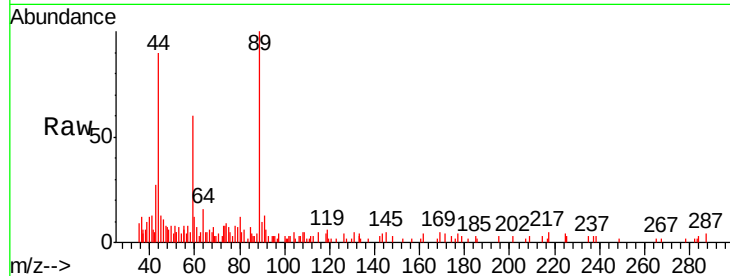




#11
Tert butyl alcohol
Concen: 3.359 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

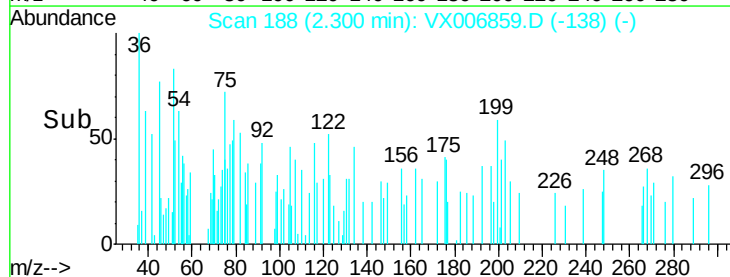
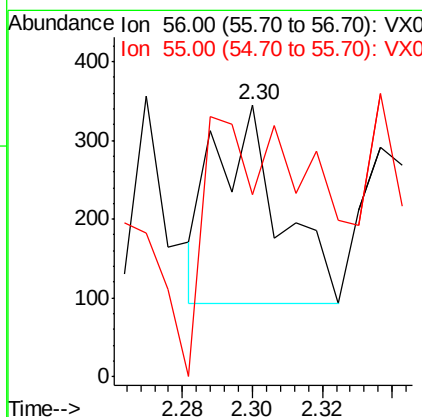
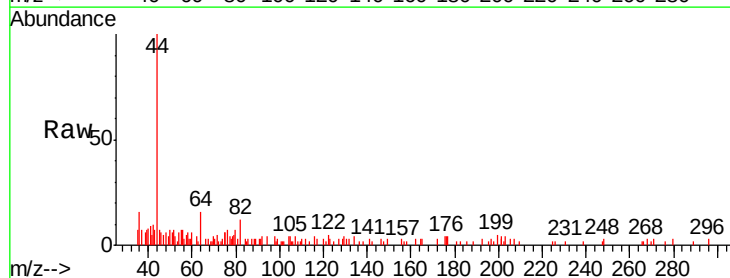
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

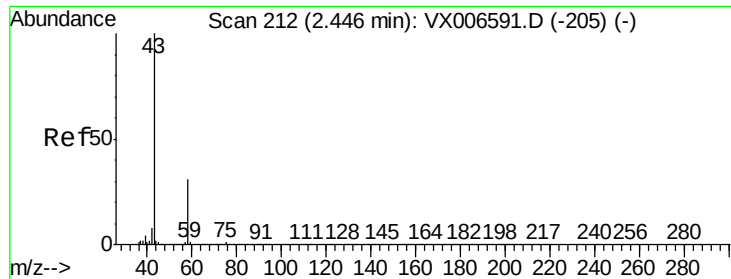
Tgt Ion: 59 Resp: 5383
Ion Ratio Lower Upper
59 100
57 6.5 8.5 12.7#



#13
Acrolein
Concen: 0.302 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

Tgt Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 99.1 58.2 87.4#

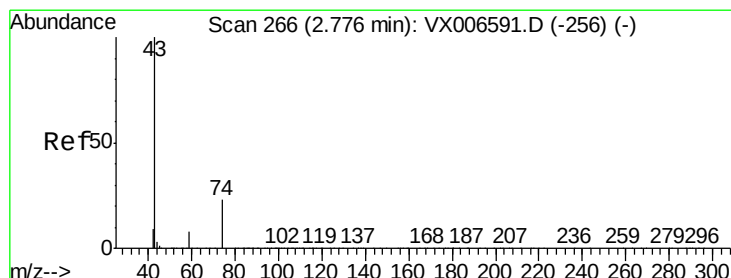
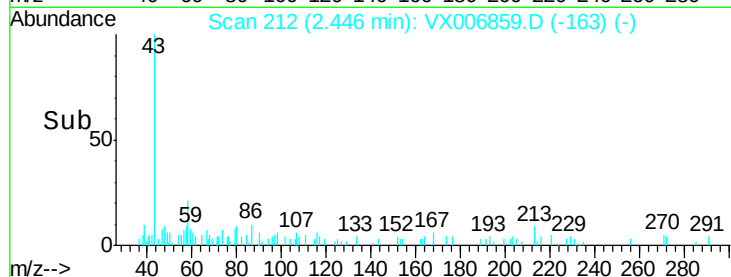
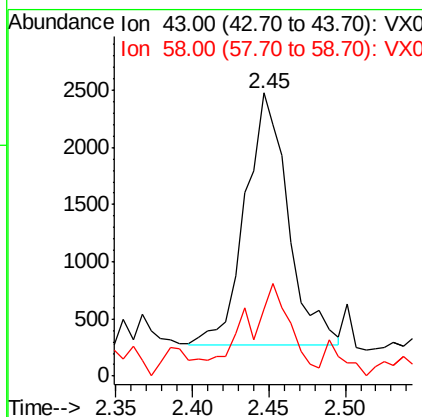
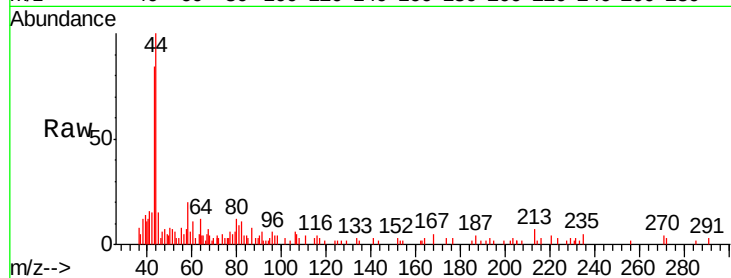




#16
Acetone
Concen: 1.307 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

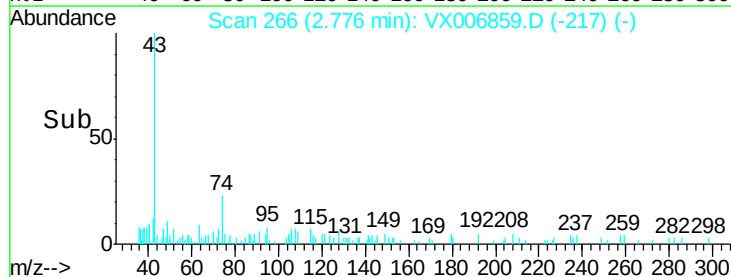
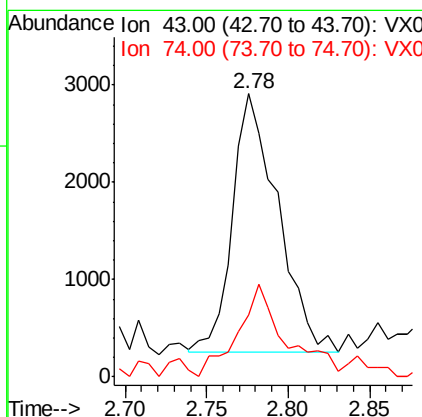
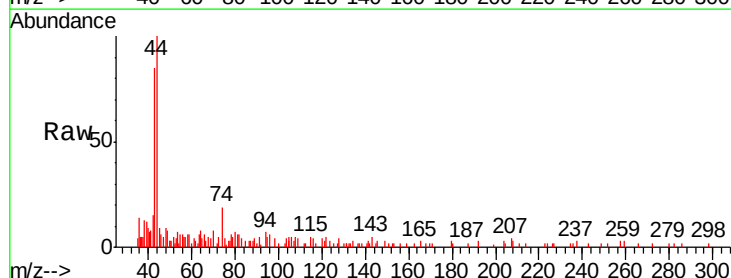
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

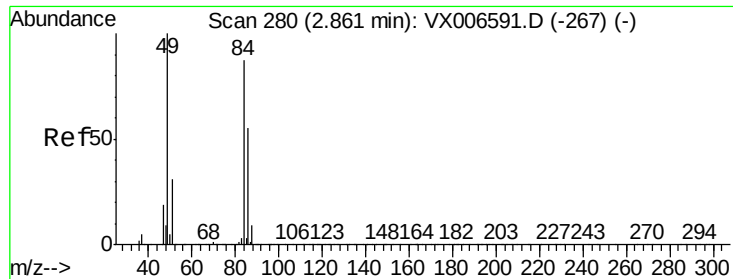
Tgt Ion: 43 Resp: 4312
Ion Ratio Lower Upper
43 100
58 20.3 25.0 37.6#



#18
Methyl Acetate
Concen: 0.530 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

Tgt Ion: 43 Resp: 5141
Ion Ratio Lower Upper
43 100
74 37.9 18.6 28.0#

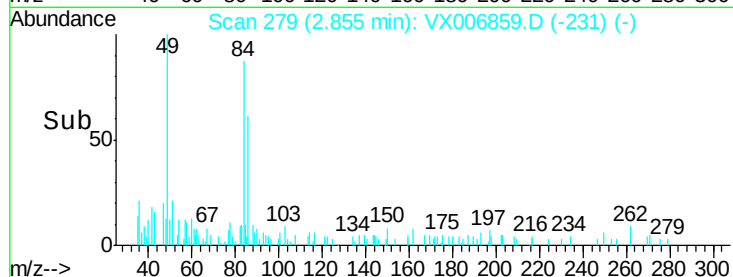
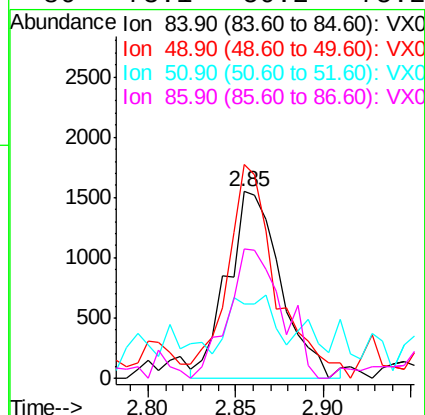
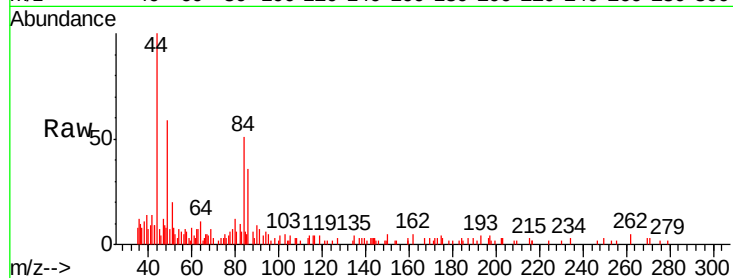




#20
Methylene Chloride
Concen: 0.484 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

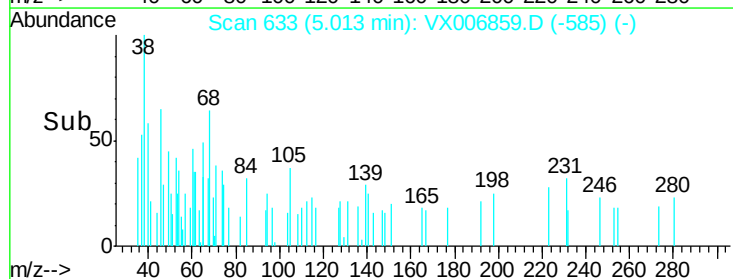
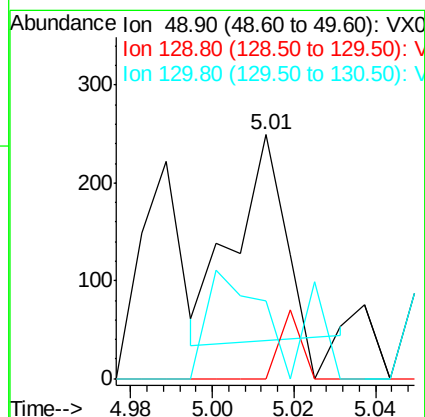
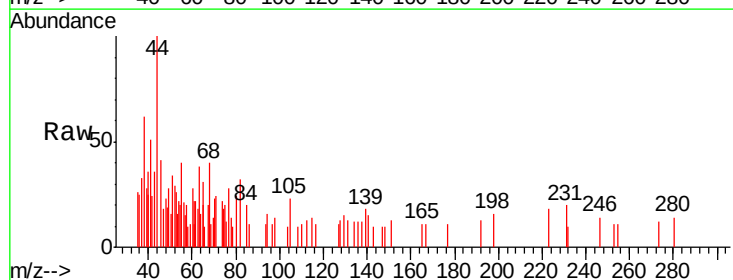
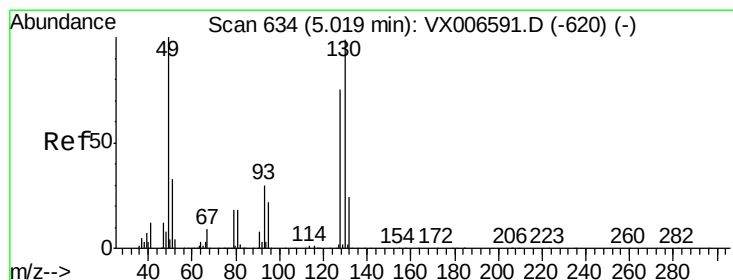
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

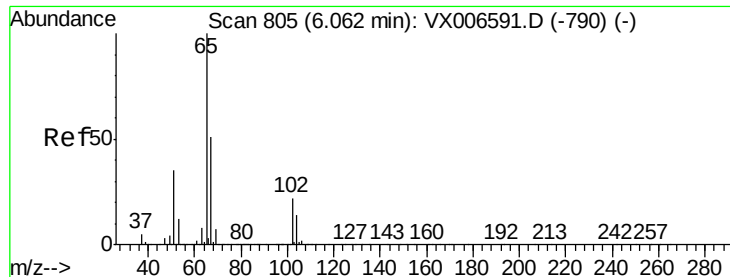
Tgt Ion: 84 Resp: 3300
Ion Ratio Lower Upper
84 100
49 112.2 91.8 137.6
51 22.4 28.5 42.7#
86 73.1 50.2 75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

Tgt Ion: 49 Resp: 169
Ion Ratio Lower Upper
49 100
129 15.4 0.0 5.4#
130 0.0 77.7 116.5#

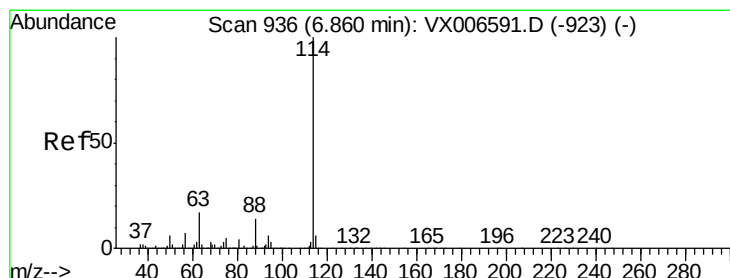
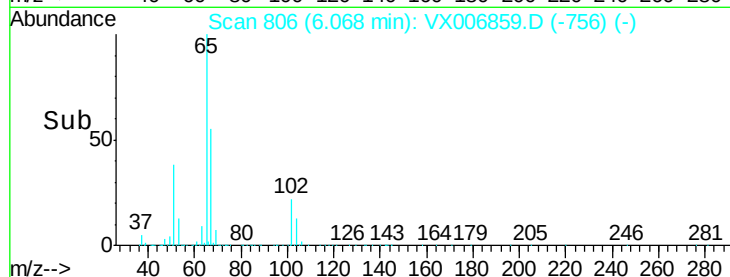
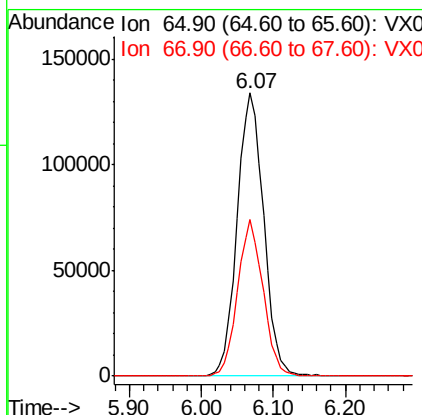
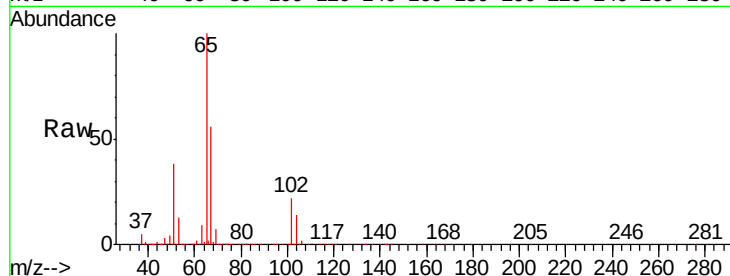




#33
 1,2-Dichloroethane-d4
 Concen: 47.697 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006859.D
 Acq: 28 Dec 2018 14:20

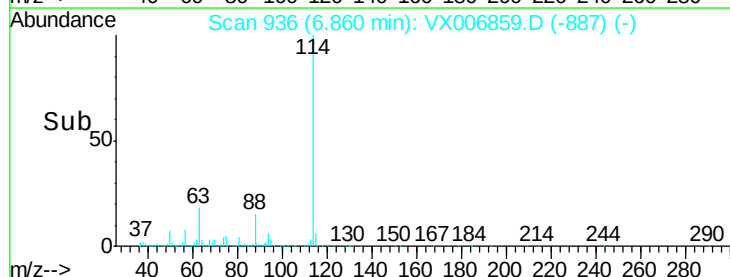
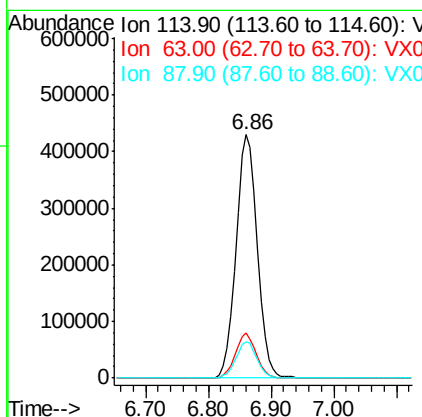
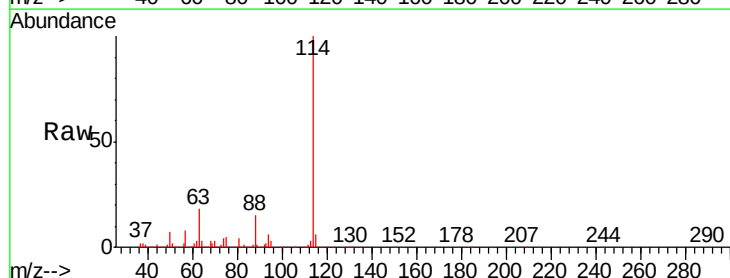
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

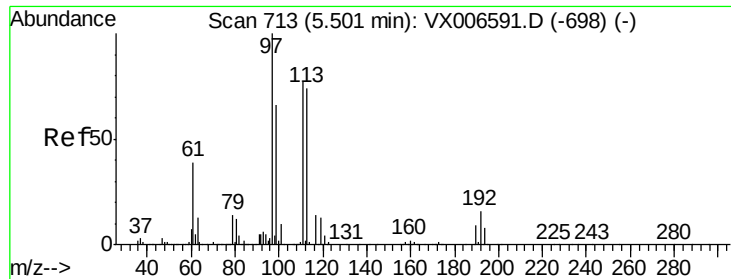
Tgt Ion: 65 Resp: 342517
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006859.D
 Acq: 28 Dec 2018 14:20

Tgt Ion: 114 Resp: 1004128
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.8
 88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.115 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

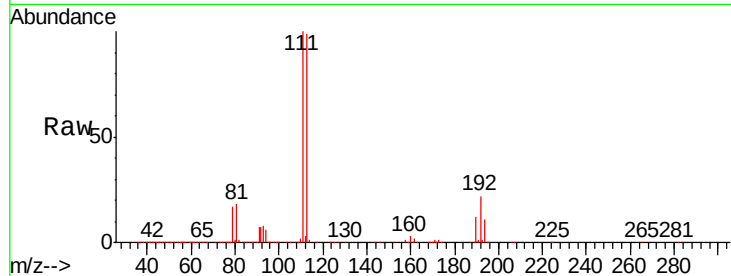
Tgt Ion:113 Resp: 305527

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

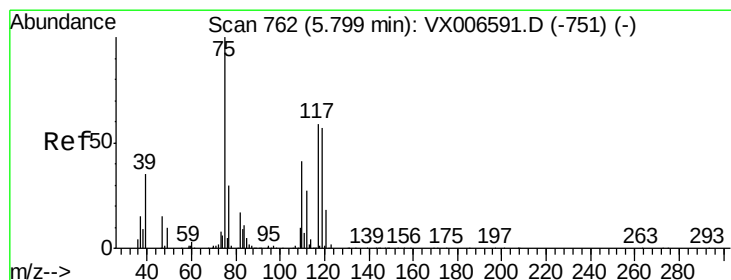
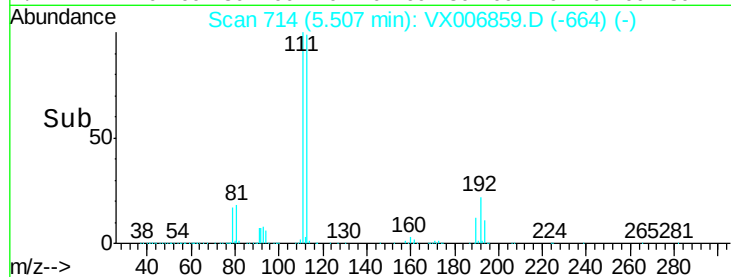
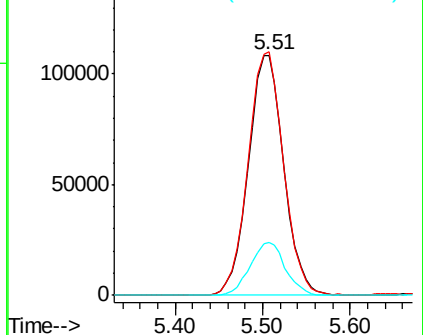
192 22.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.152 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

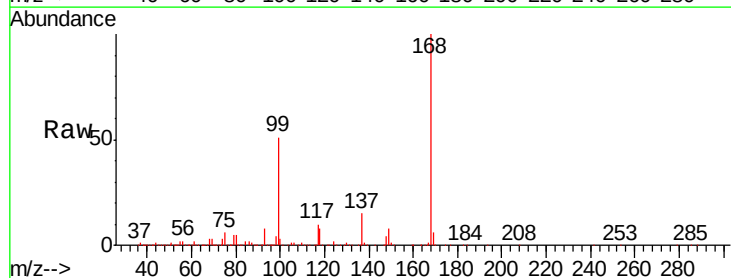
Tgt Ion: 75 Resp: 42846

Ion Ratio Lower Upper

75 100

110 10.6 20.2 60.5#

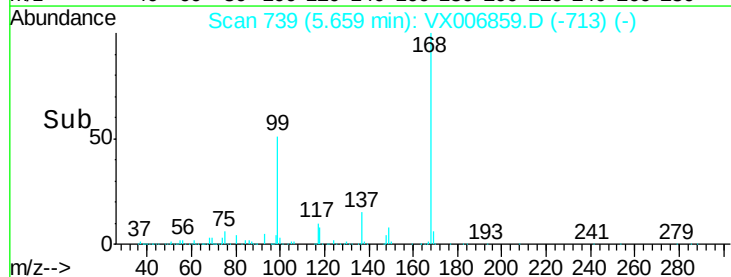
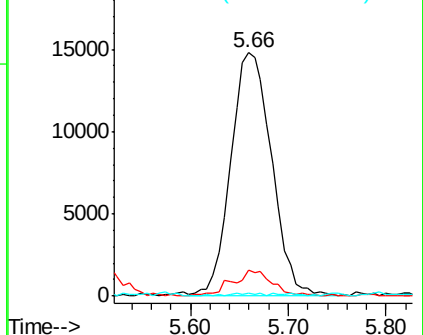
77 0.8 24.8 37.2#

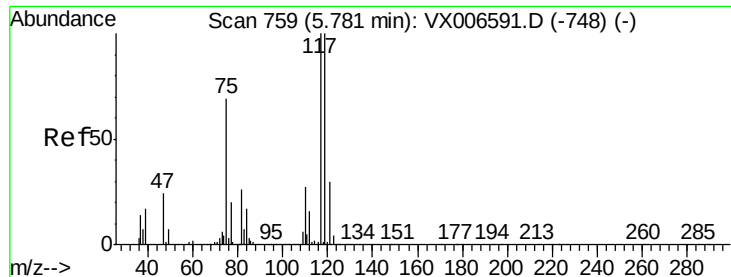


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.608 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

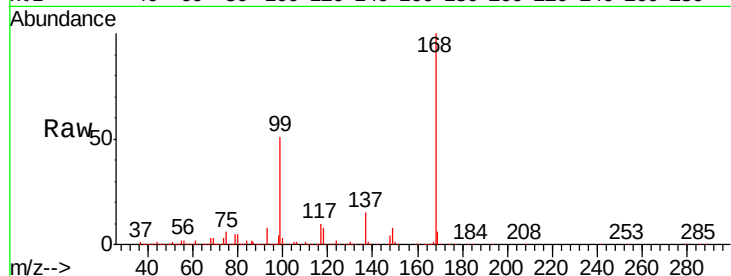
Tgt Ion:117 Resp: 61490

Ion Ratio Lower Upper

117 100

119 3.2 79.4 119.2#

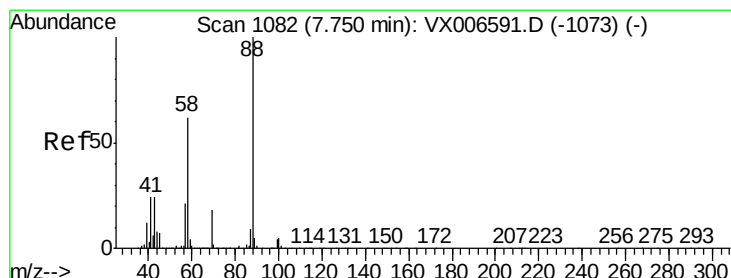
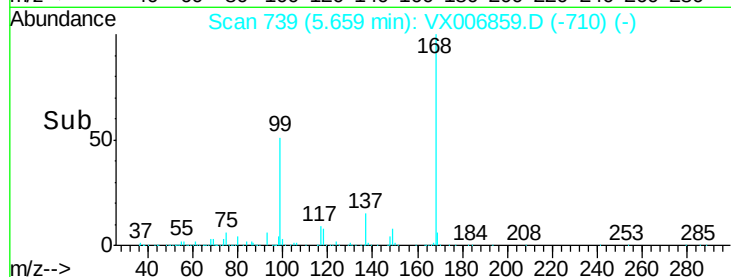
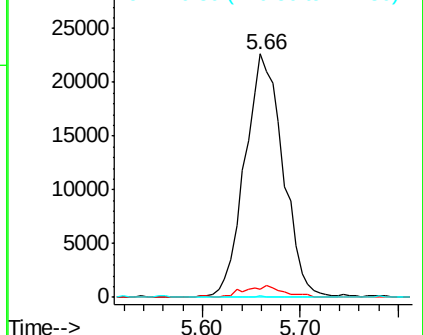
121 0.5 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

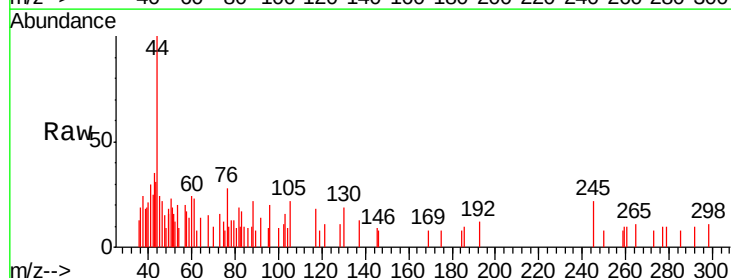
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

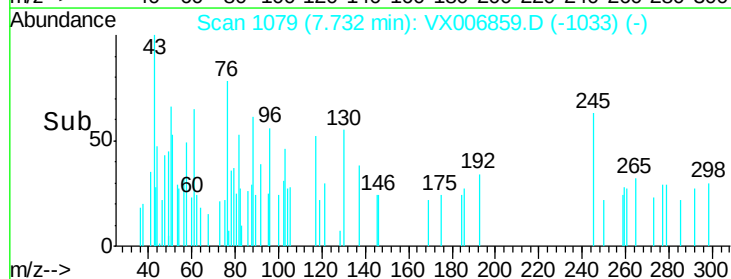
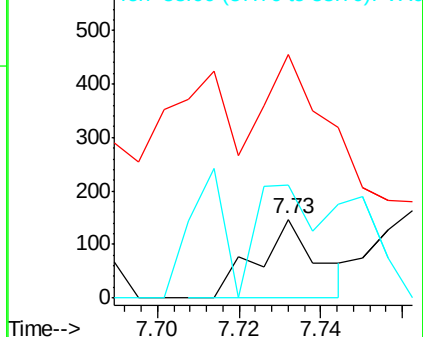
58 238.4 51.0 76.4#

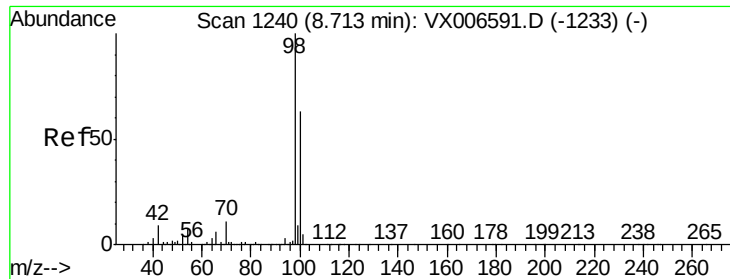


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

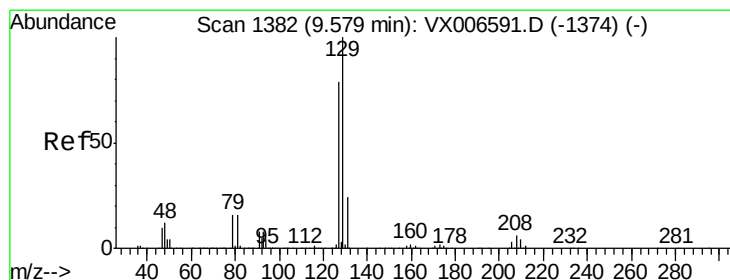
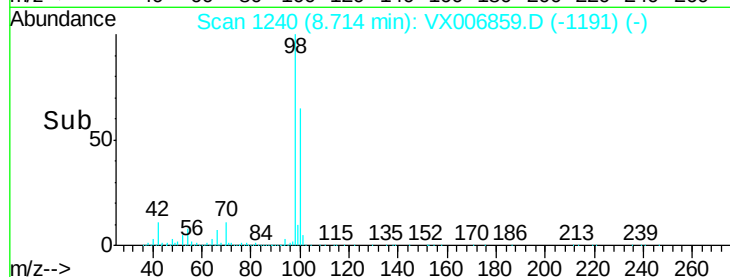
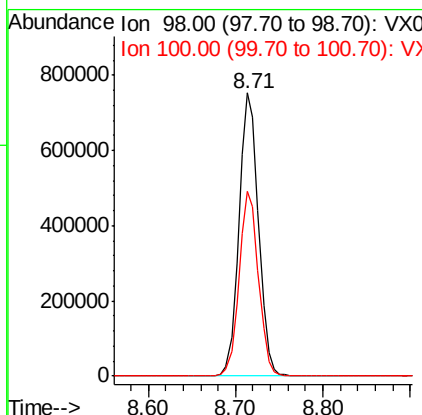
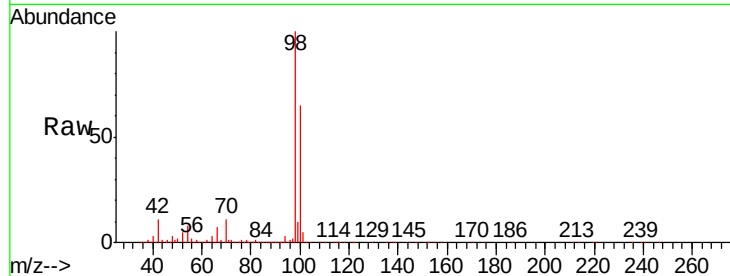




#50
Toluene-d8
Concen: 48.864 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

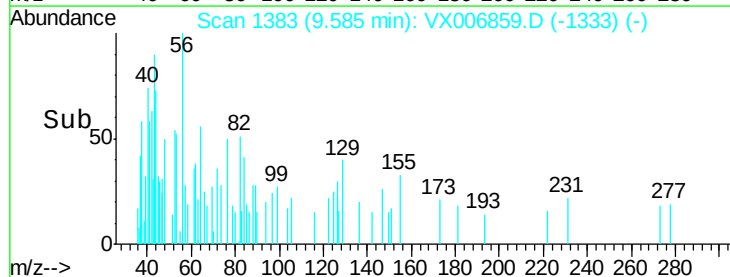
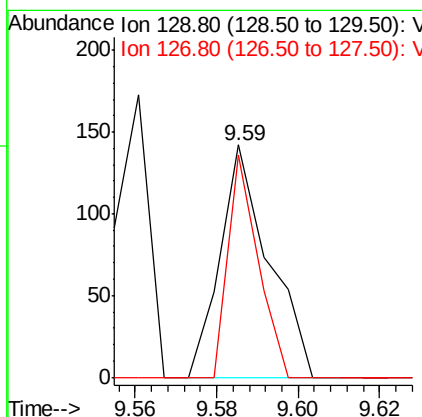
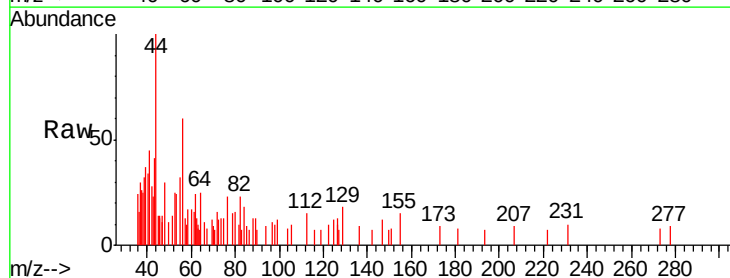
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

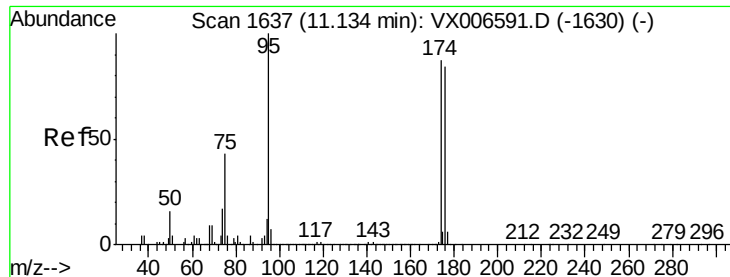
Tgt Ion: 98 Resp: 1169769
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#60
Dibromochloromethane
Concen: 2.340 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

Tgt Ion: 129 Resp: 117
Ion Ratio Lower Upper
129 100
127 59.0 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 47.962 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

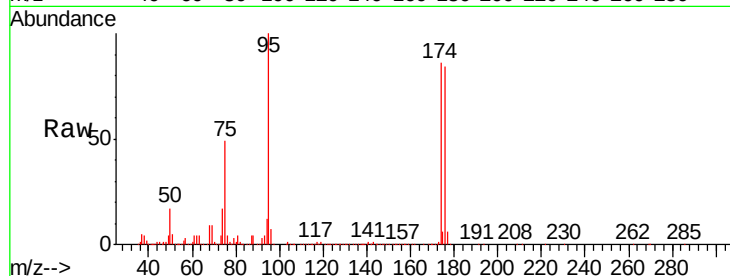
Tgt Ion: 95 Resp: 420510

Ion Ratio Lower Upper

95 100

174 92.0 0.0 182.2

176 89.2 0.0 178.8

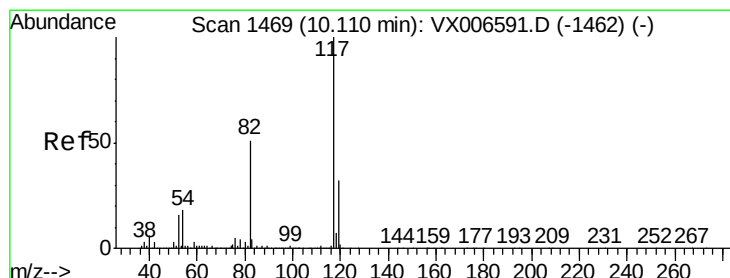
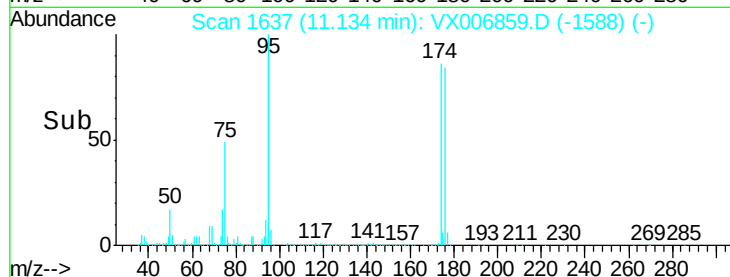


Abundance Ion 94.90 (94.60 to 95.60): VX006859.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006859.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006859.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

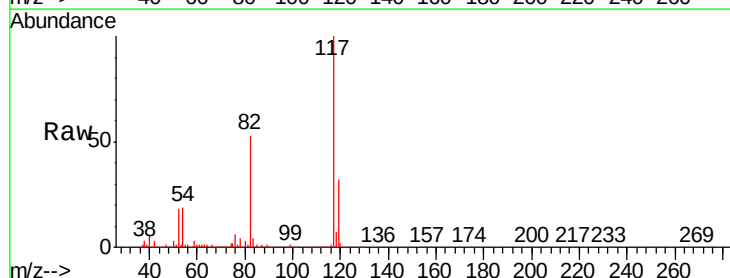
Tgt Ion: 117 Resp: 910869

Ion Ratio Lower Upper

117 100

82 53.3 41.0 61.6

119 32.4 25.4 38.0

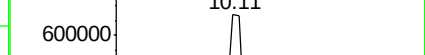
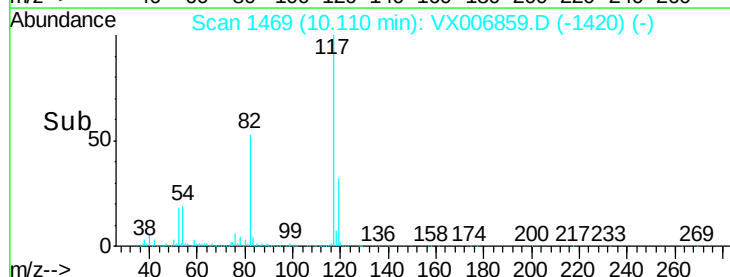


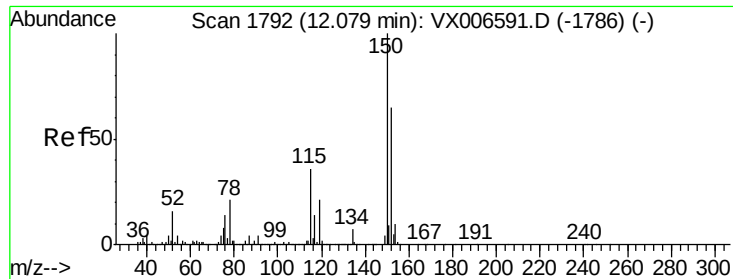
Abundance Ion 116.90 (116.60 to 117.60): VX006859.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006859.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006859.D (-1420) (-)

Time-->



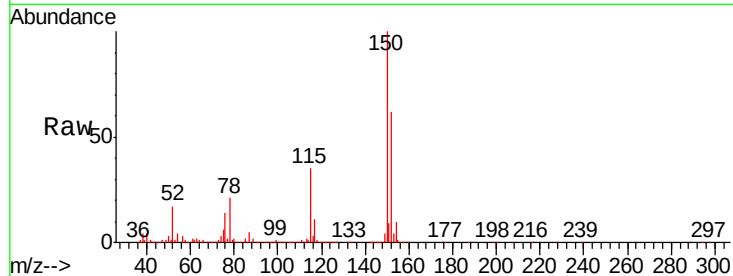


#72

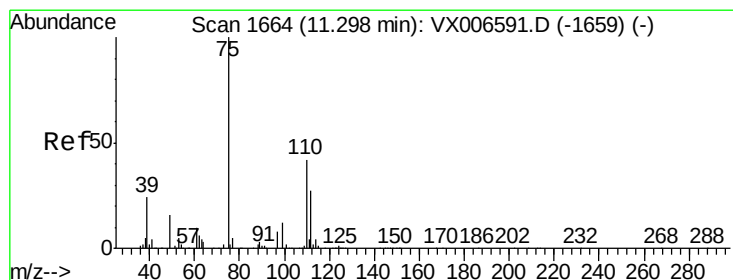
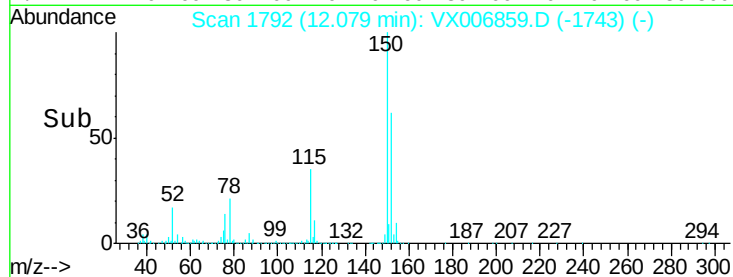
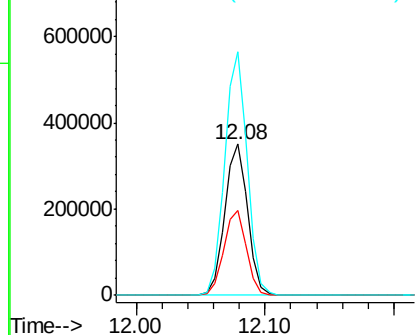
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:152 Resp: 437662
Ion Ratio Lower Upper
152 100
115 56.0 39.1 117.2
150 159.1 0.0 344.8



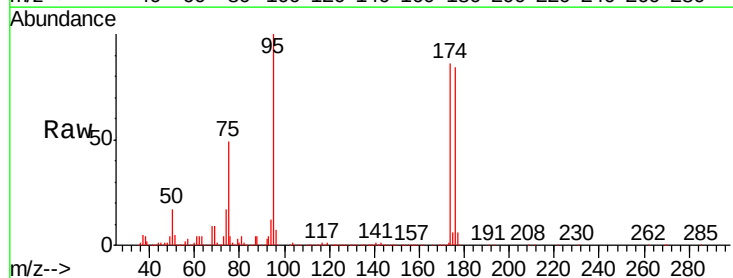
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



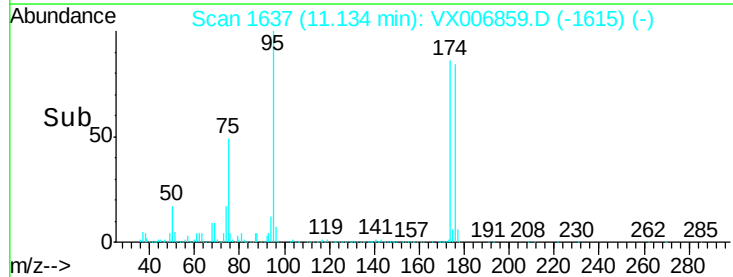
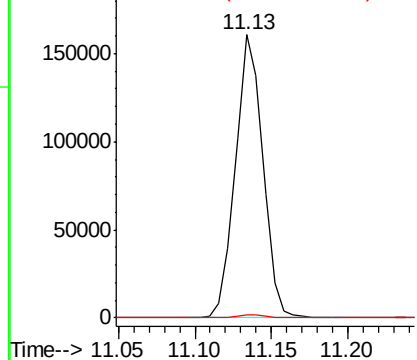
#76

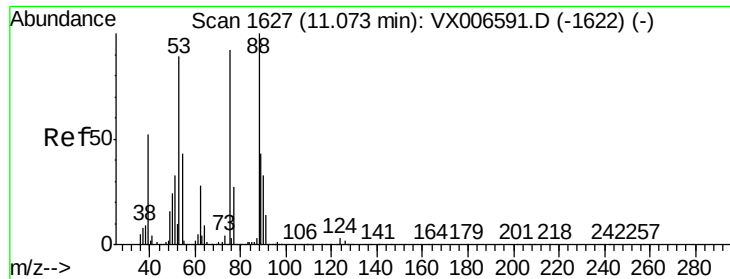
1,2,3-Trichloropropane
Concen: 24.527 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006859.D
Acq: 28 Dec 2018 14:20

Tgt Ion: 75 Resp: 199494
Ion Ratio Lower Upper
75 100
77 1.2 18.5 55.5#



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: 72.557 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006859.D

Acq: 28 Dec 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

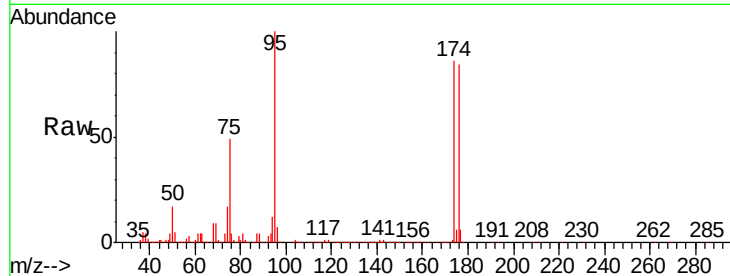
Tgt Ion: 75 Resp: 199494

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

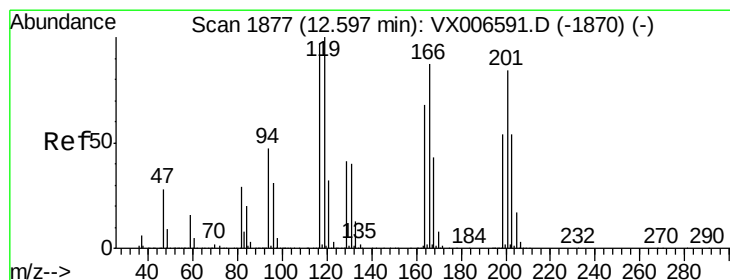
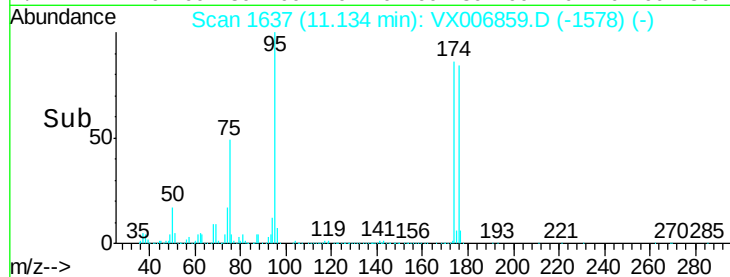
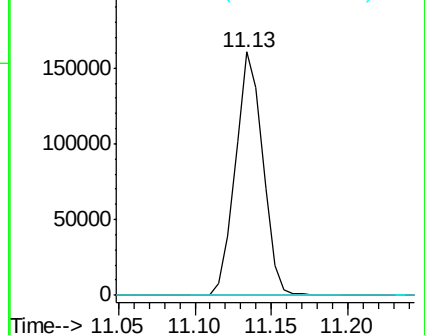
89 0.1 38.0 57.0#



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



#90

Hexachloroethane

Concen: 3.317 ug/l

RT: 12.48 min Scan# 1857

Delta R.T. -0.12 min

Lab File: VX006859.D

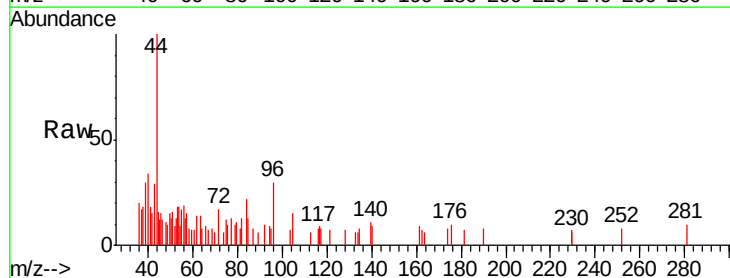
Acq: 28 Dec 2018 14:20

Tgt Ion: 117 Resp: 107

Ion Ratio Lower Upper

117 100

201 75.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

