

Data File : VX001212.D

Acq On : 28 Apr 2018 14:39

Operator : JC/MD

Sample : J2610-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Apr 30 01:28:49 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	249721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	220785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	115072	40.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.02%	
35) Dibromofluoromethane	5.51	113	91784	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
50) Toluene-d8	8.72	98	351444	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
62) 4-Bromofluorobenzene	11.14	95	114965	37.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.46%	

Target Compounds

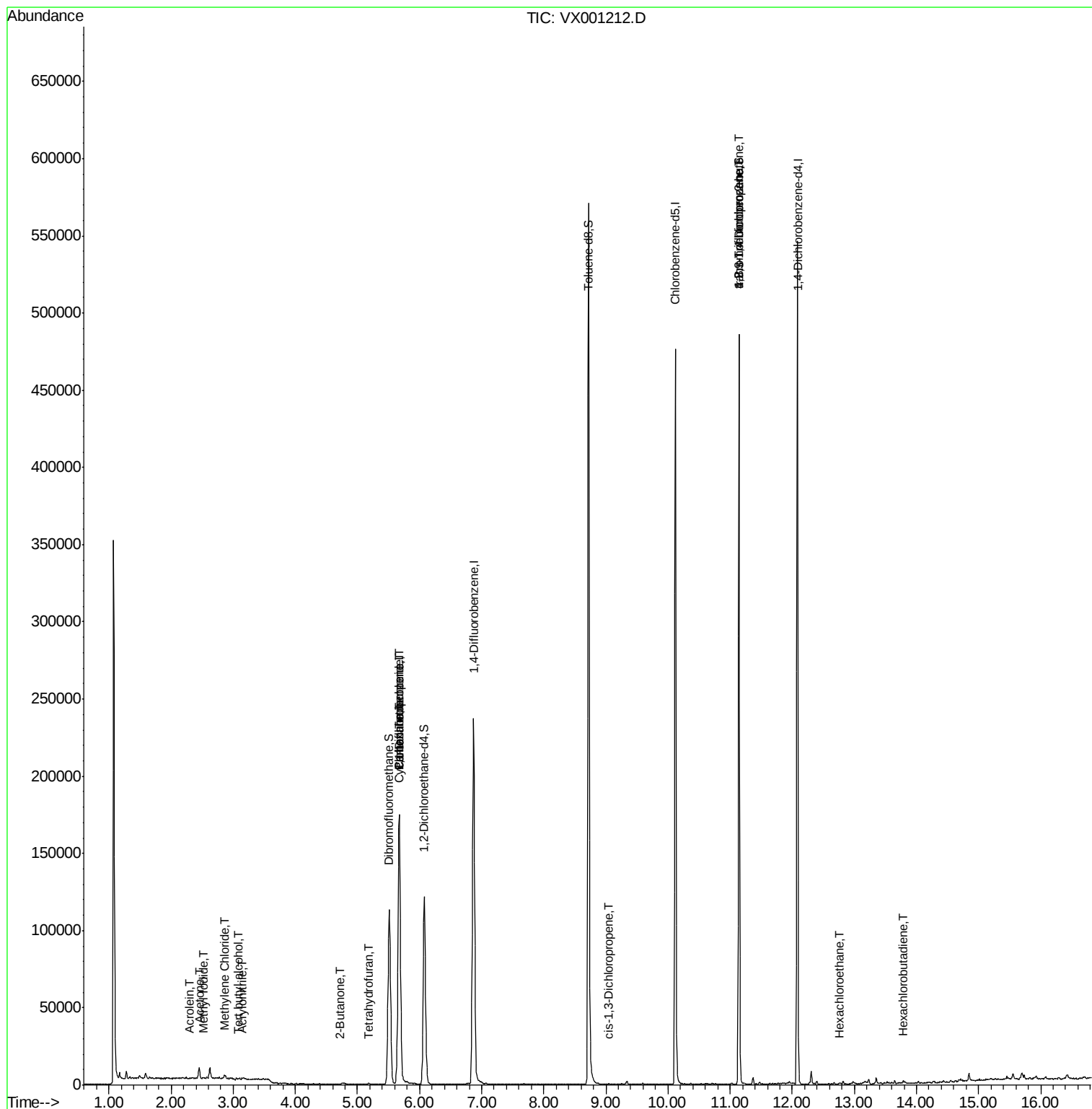
						Qvalue
5) Bromomethane	1.65	94	430	Below Cal		95
10) Methyl Iodide	2.53	142	356	7.39 ug/l	#	72
11) Tert butyl alcohol	3.08	59	179	0.32 ug/l	#	72
13) Acrolein	2.30	56	59	0.28 ug/l	#	60
15) Acrylonitrile	3.15	53	412	0.34 ug/l	#	63
16) Acetone	2.45	43	7941	6.71 ug/l		100
20) Methylene Chloride	2.86	84	1174	0.53 ug/l	#	82
25) 2-Butanone	4.73	43	454	0.26 ug/l	#	50
29) Tetrahydrofuran	5.18	42	710	0.62 ug/l	#	51
31) Cyclohexane	5.66	56	3292	1.08 ug/l	#	27
36) 1,1-Dichloropropene	5.67	75	11193	4.07 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	15998	5.67 ug/l	#	16
54) cis-1,3-Dichloropropene	9.05	75	63	3.20 ug/l	#	32
76) 1,2,3-Trichloropropane	11.14	75	59439	24.16 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	59439	74.06 ug/l	#	6
90) Hexachloroethane	12.76	117	572	3.83 ug/l	#	1
94) Hexachlorobutadiene	13.79	225	322	0.21 ug/l		96

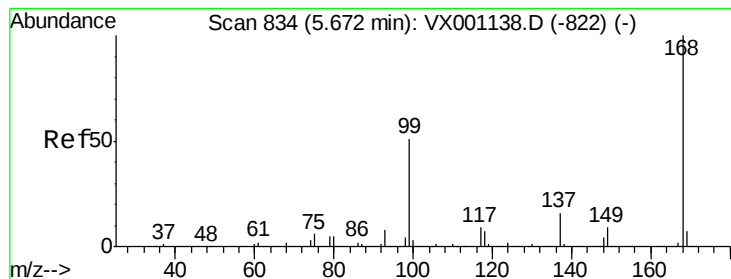
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampled :

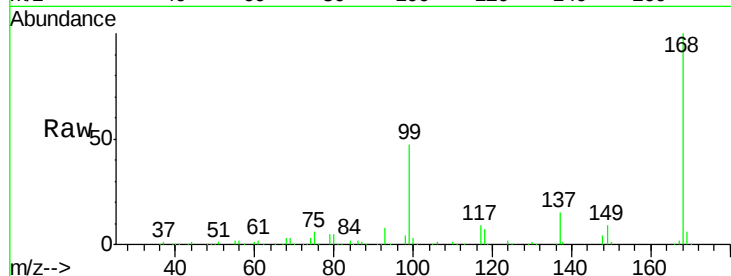
TRIP-BLANK

Tgt Ion: 168 Resp: 185520

Ion Ratio Lower Upper

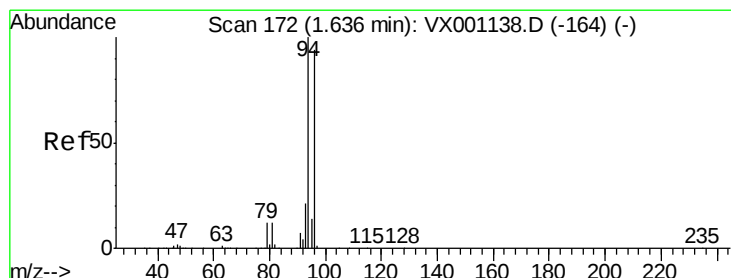
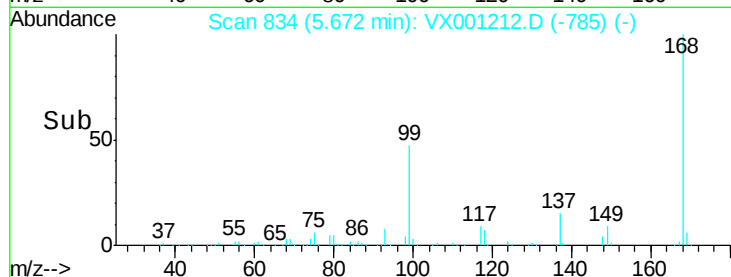
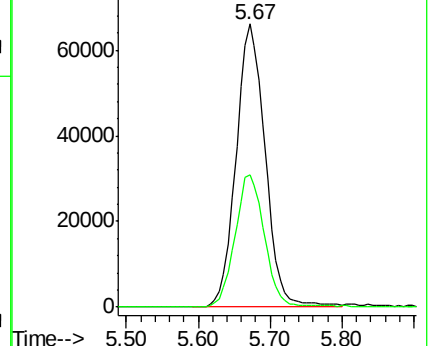
168 100

99 46.7 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001212.D

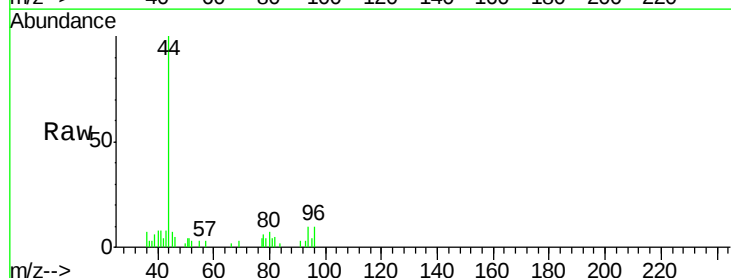
Acq: 28 Apr 2018 14:39

Tgt Ion: 94 Resp: 430

Ion Ratio Lower Upper

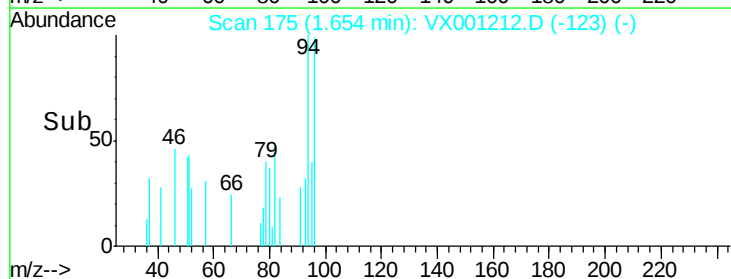
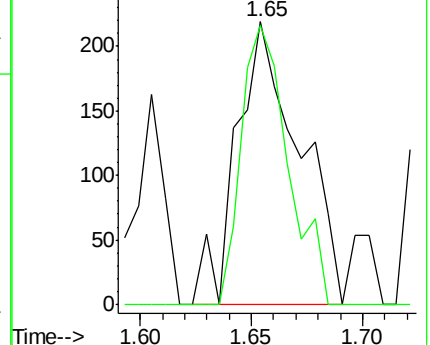
94 100

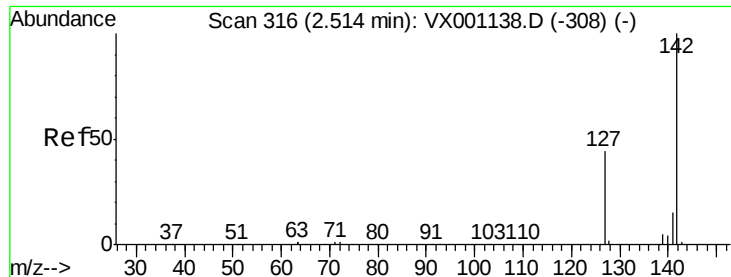
96 98.6 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

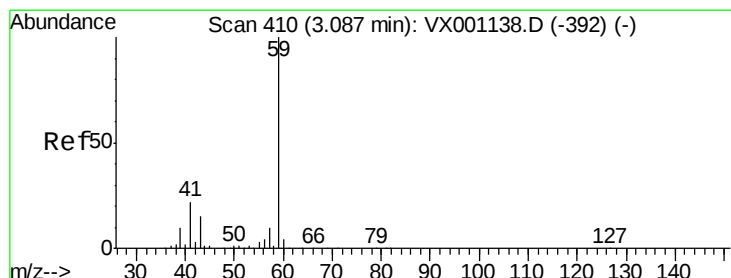
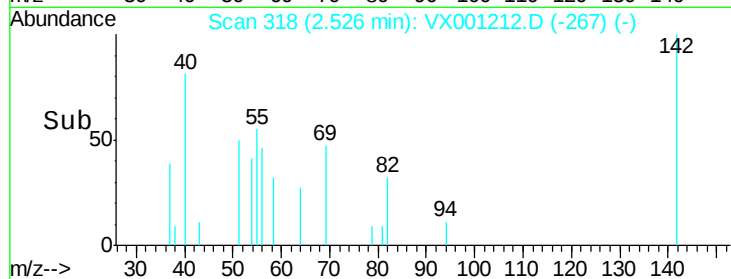
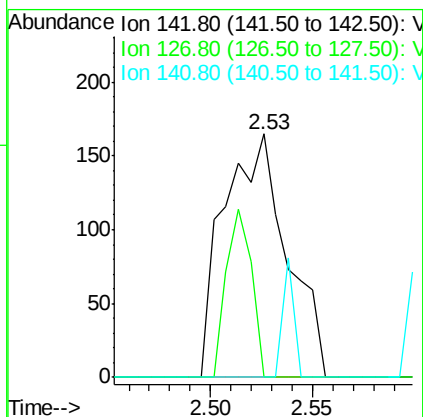
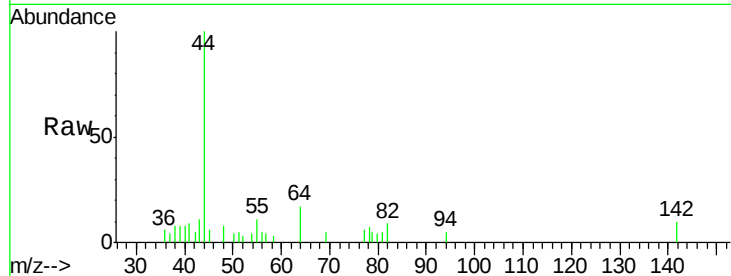




#10
Methyl Iodide
Concen: 7.39 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

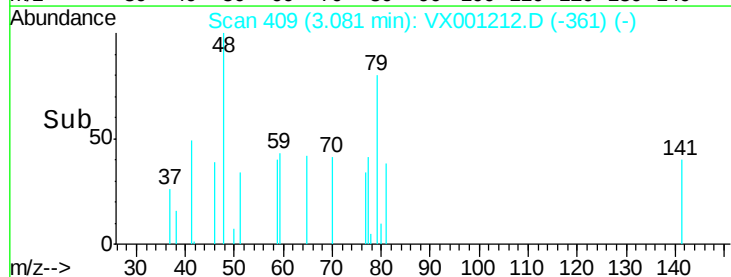
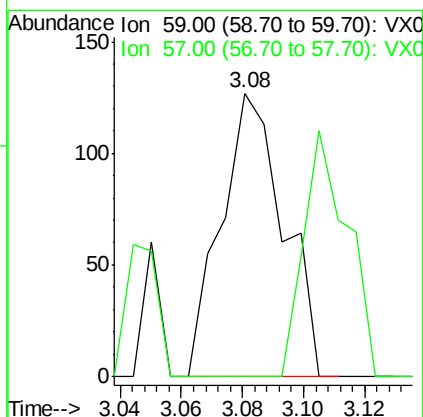
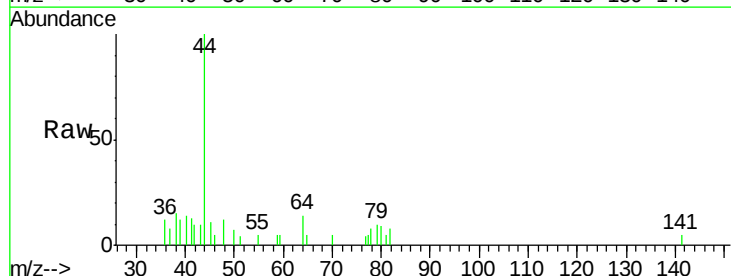
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

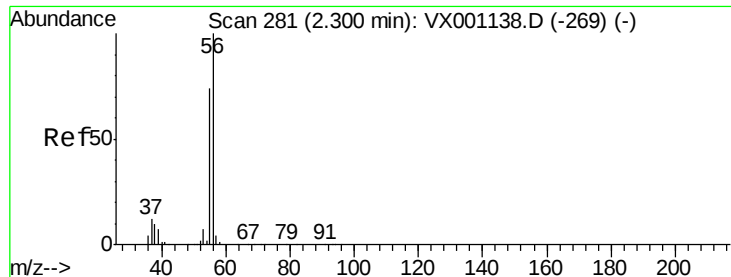
Tgt Ion: 142 Resp: 356
Ion Ratio Lower Upper
142 100
127 27.0 34.7 52.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.28 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampled :

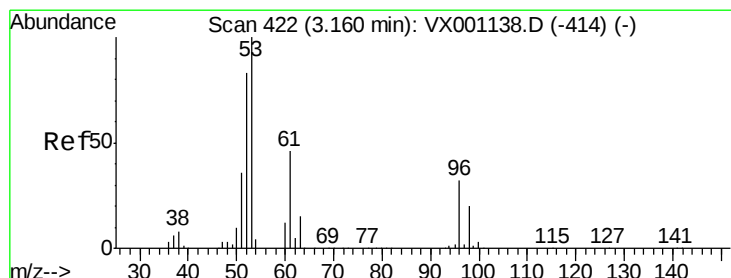
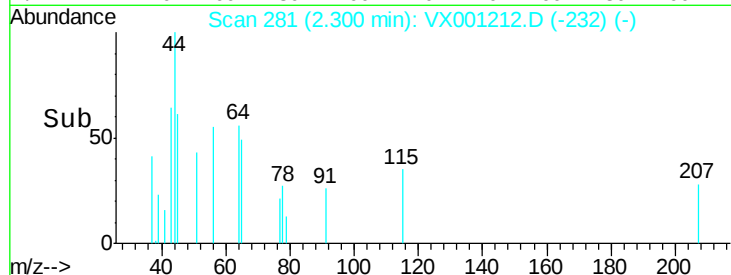
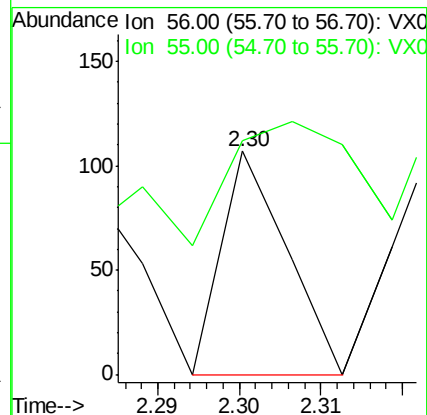
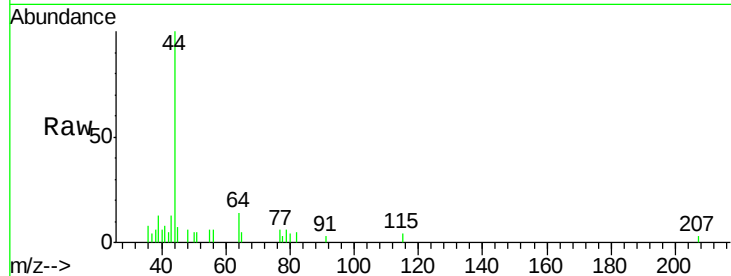
TRIP-BLANK

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 105.1 57.2 85.8#



#15

Acrylonitrile

Concen: 0.34 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

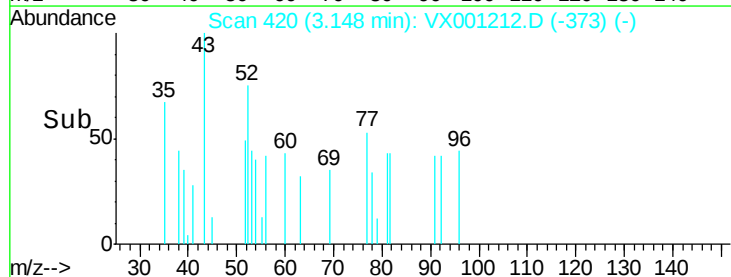
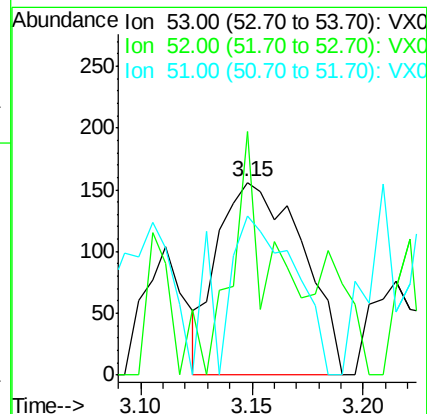
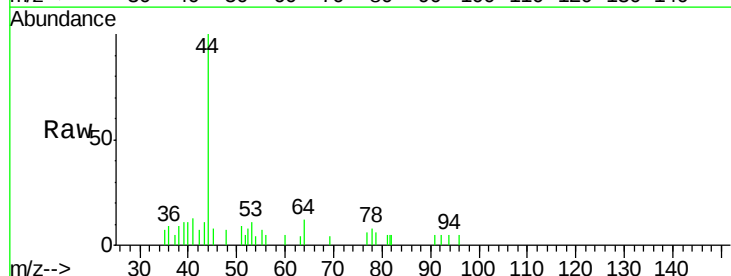
Tgt Ion: 53 Resp: 412

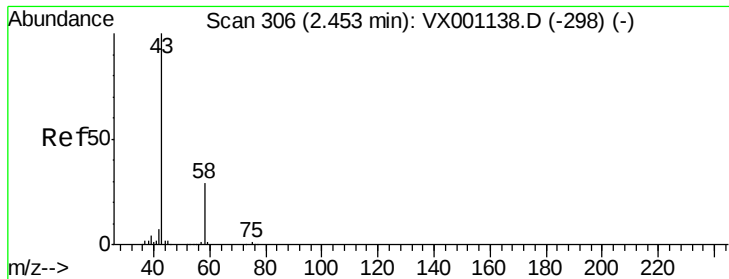
Ion Ratio Lower Upper

53 100

52 57.5 66.5 99.7#

51 70.1 29.5 44.3#





#16

Acetone

Concen: 6.71 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampled :

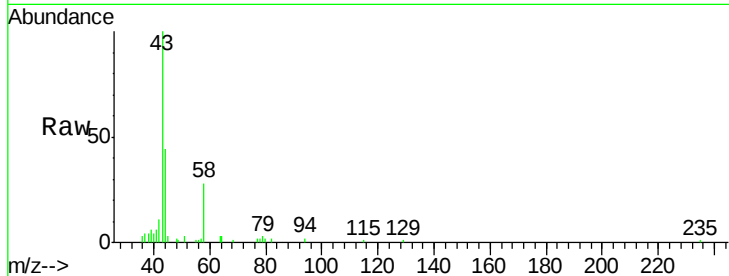
TRIP-BLANK

Tgt Ion: 43 Resp: 7941

Ion Ratio Lower Upper

43 100

58 28.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

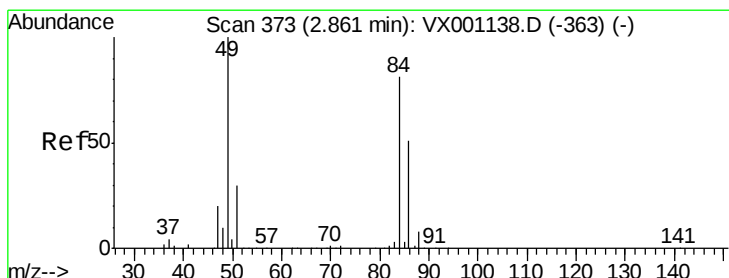
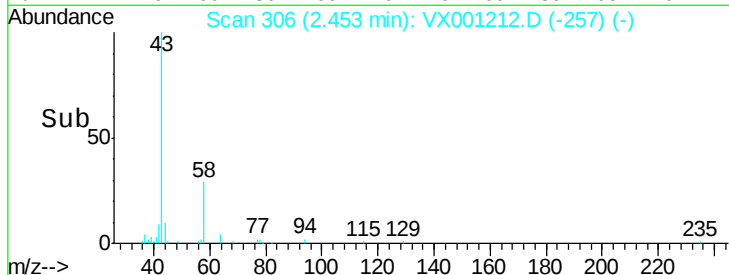
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 0.53 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Tgt Ion: 84 Resp: 1174

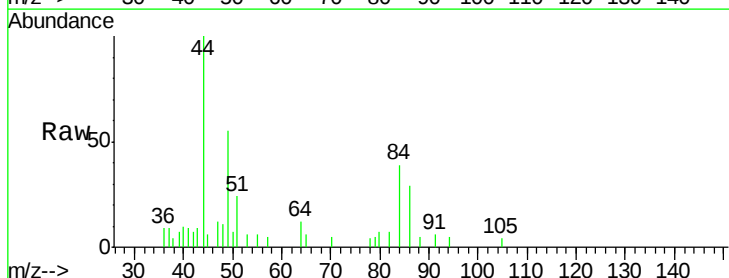
Ion Ratio Lower Upper

84 100

49 140.2 99.2 148.8

51 60.3 29.5 44.3#

86 73.3 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1200

1000

800

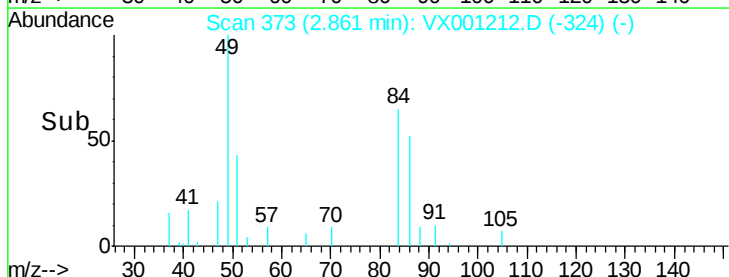
600

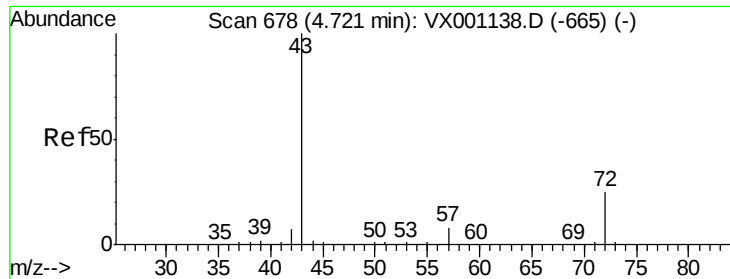
400

200

0

Time-->





#25

2-Butanone

Concen: 0.26 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampled :

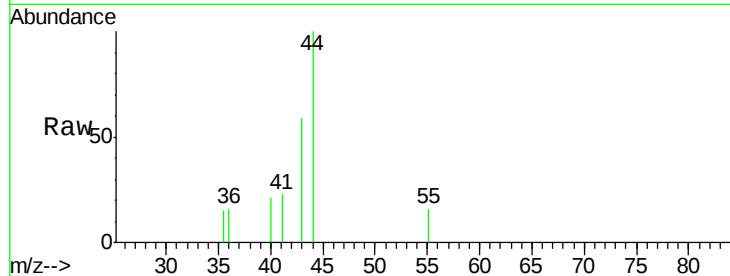
TRIP-BLANK

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

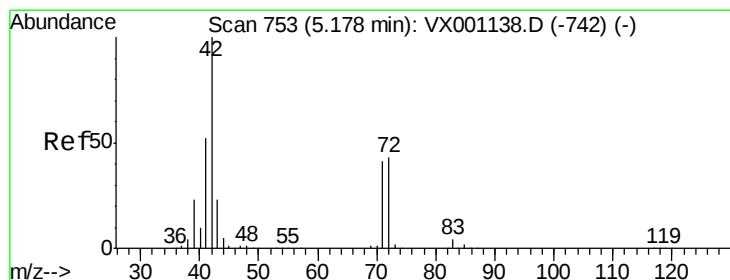
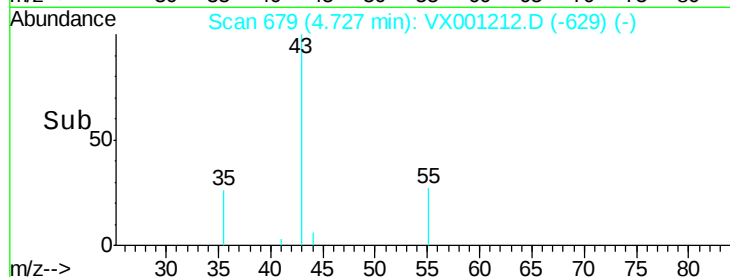
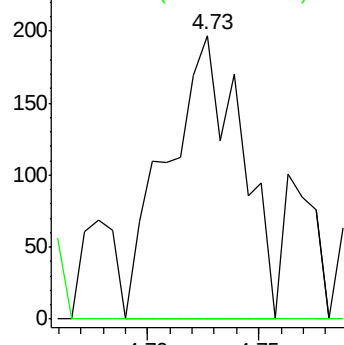
43 100

72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

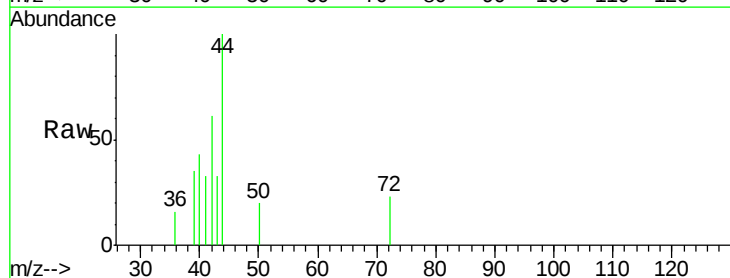
Tgt Ion: 42 Resp: 710

Ion Ratio Lower Upper

42 100

72 17.9 34.4 51.6#

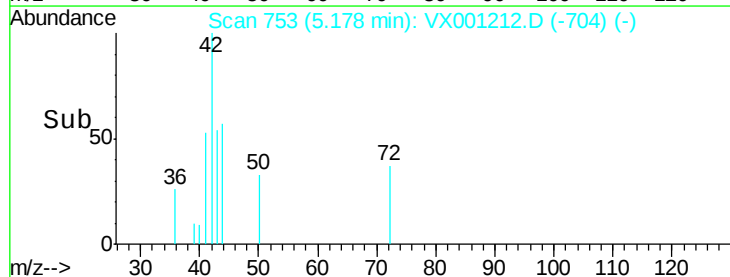
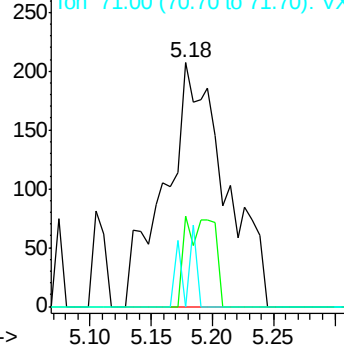
71 2.8 32.1 48.1#

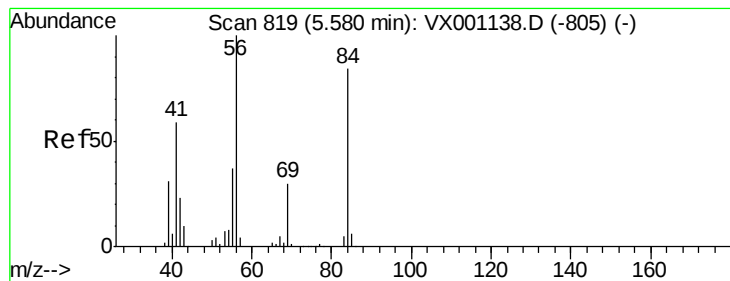


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

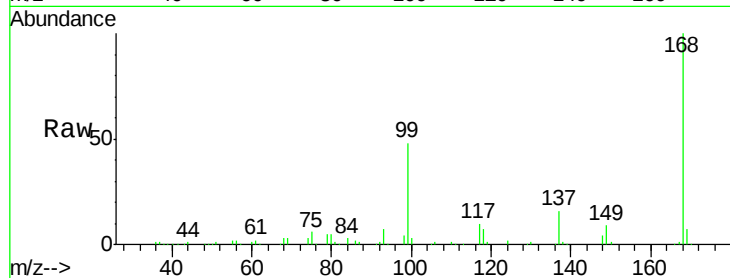
Tgt Ion: 56 Resp: 3292

Ion Ratio Lower Upper

56 100

69 142.4 24.2 36.2#

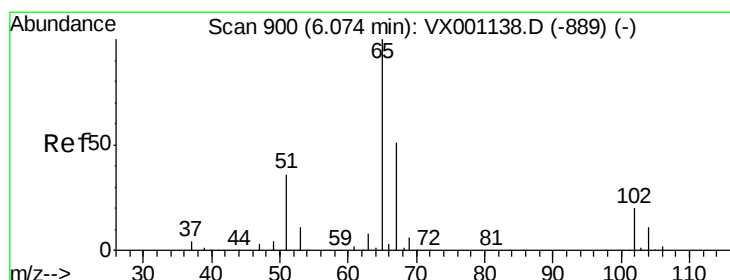
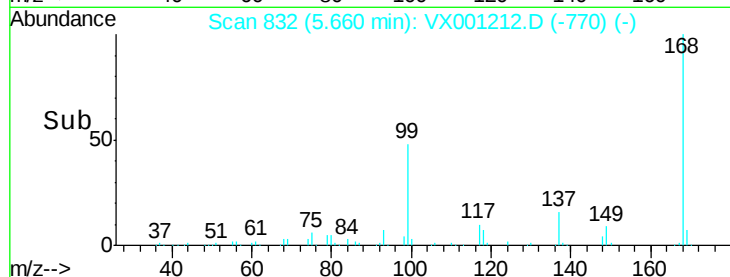
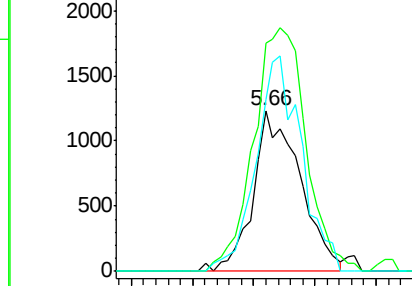
84 107.3 67.5 101.3#



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: 40.01 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001212.D

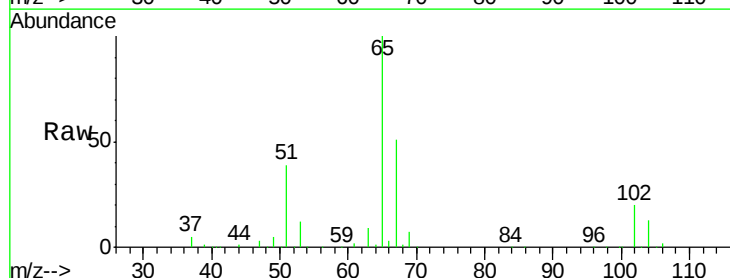
Acq: 28 Apr 2018 14:39

Tgt Ion: 65 Resp: 115072

Ion Ratio Lower Upper

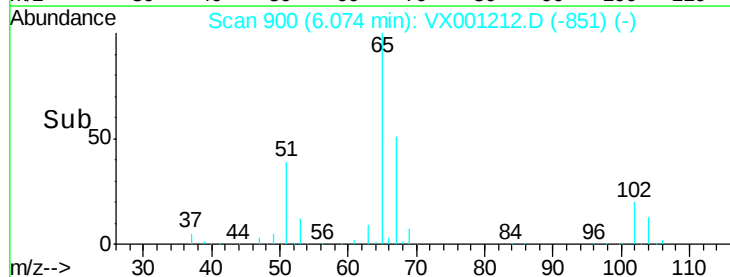
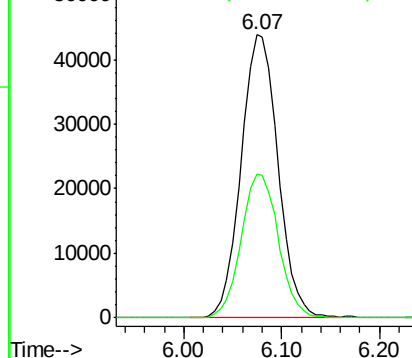
65 100

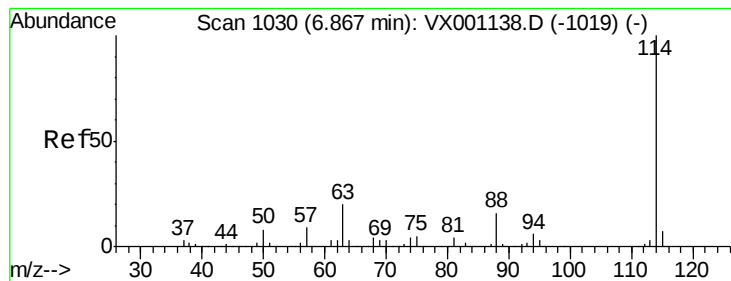
67 51.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

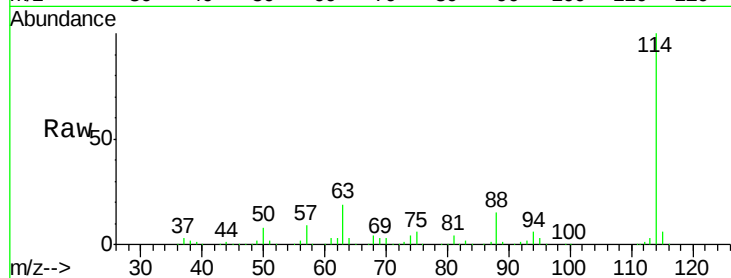
Tgt Ion:114 Resp: 249721

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

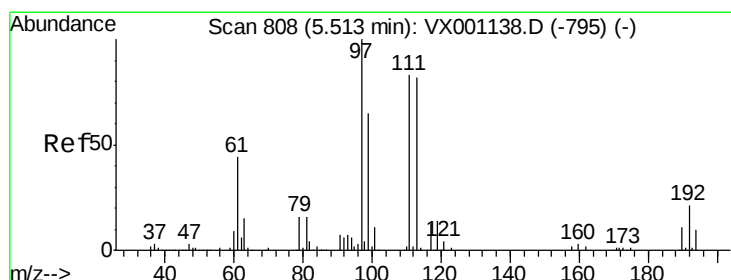
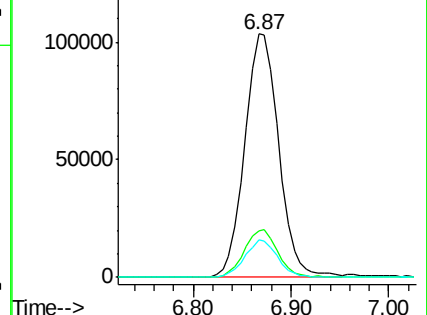
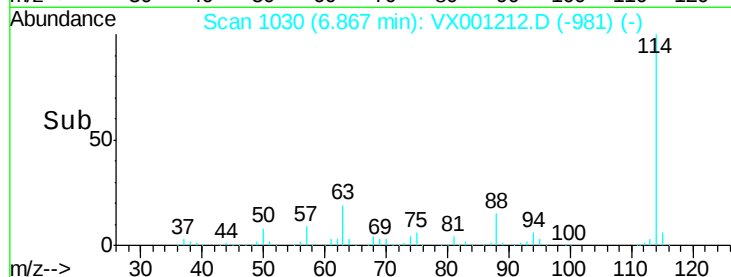
88 15.2 0.0 31.8



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: 44.41 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

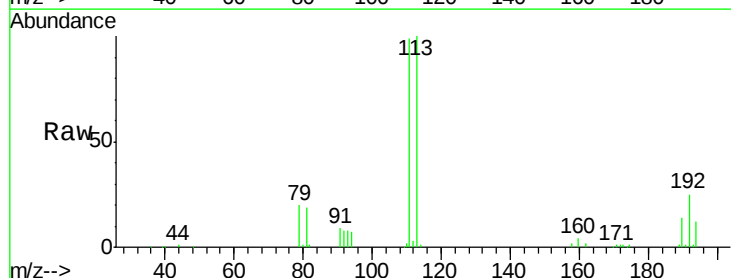
Tgt Ion:113 Resp: 91784

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

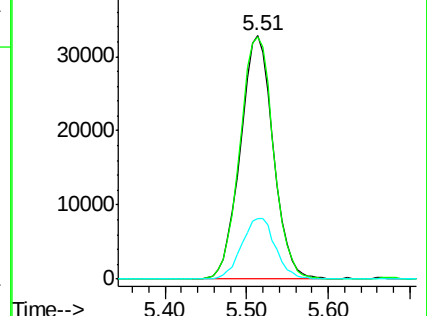
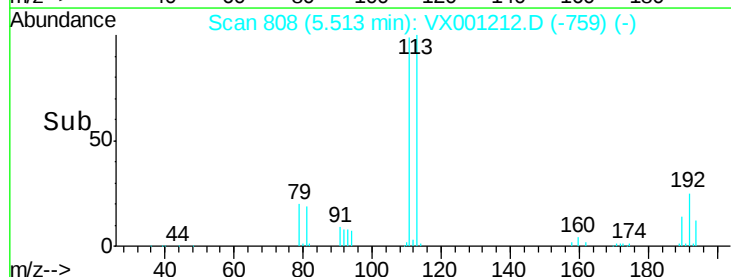
192 25.6 20.6 30.8

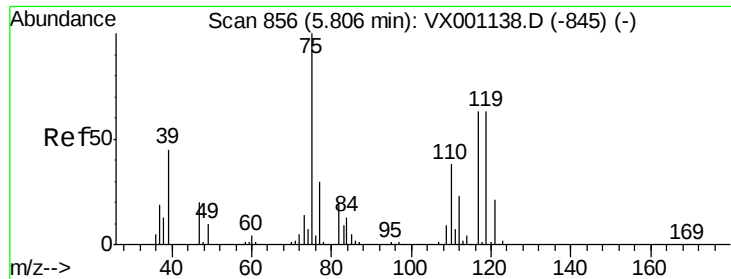


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

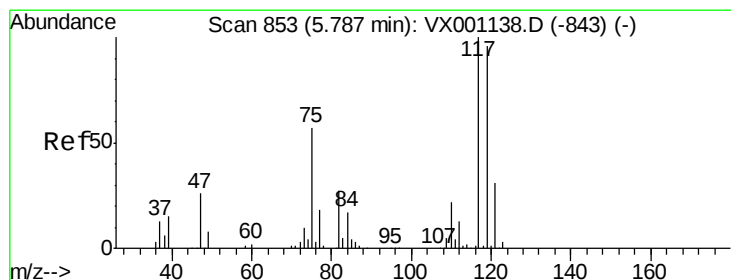
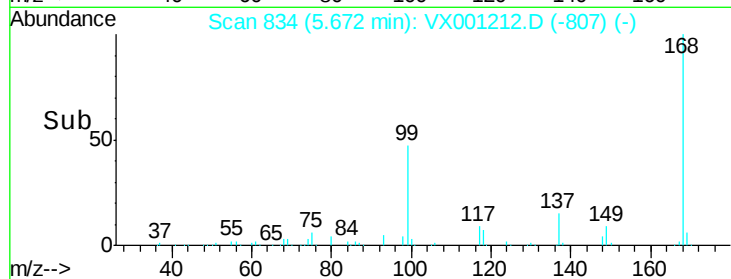
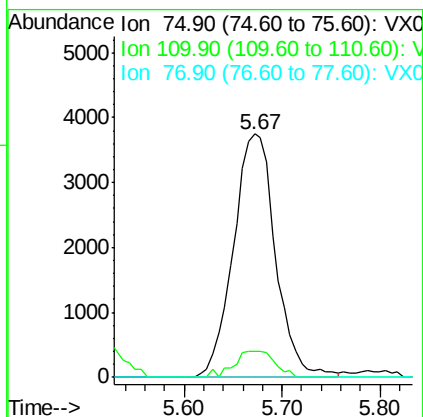
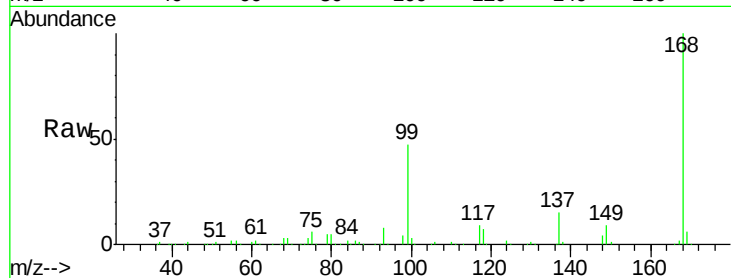




#36
 1,1-Dichloropropene
 Concen: 4.07 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001212.D
 Acq: 28 Apr 2018 14:39

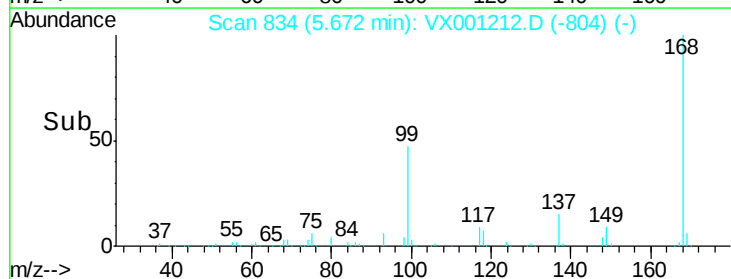
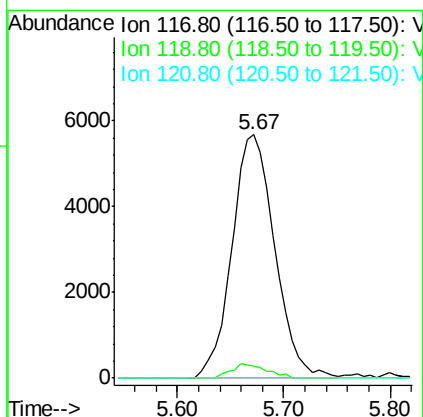
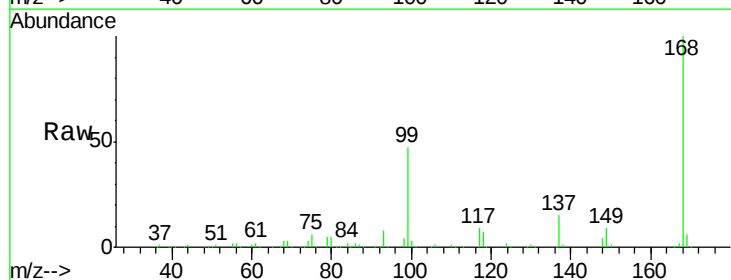
Instrument :
 MSVOA_X
 ClientSampleId :
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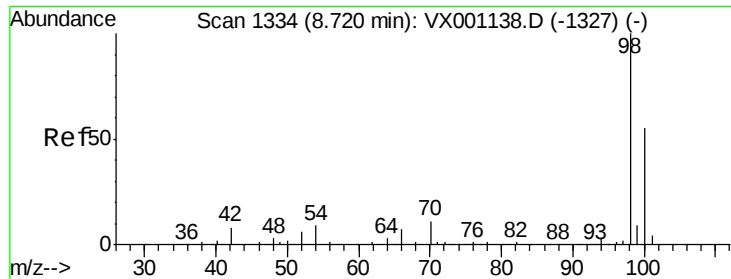
Tgt Ion: 75 Resp: 11193
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.0 57.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.67 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001212.D
 Acq: 28 Apr 2018 14:39

Tgt Ion: 117 Resp: 15998
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.5 114.7#
 121 0.0 24.6 37.0#

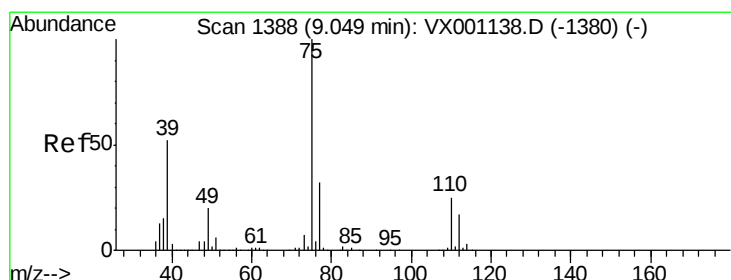
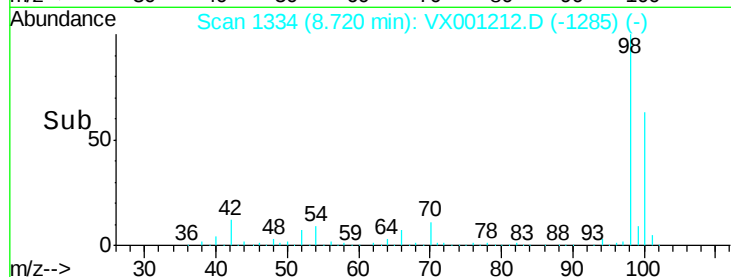
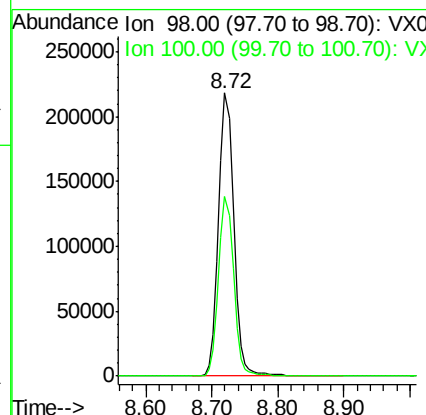
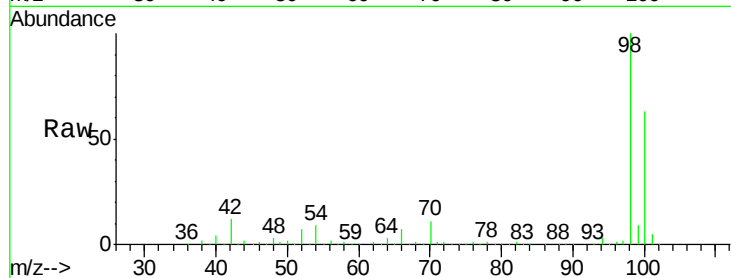




#50
Toluene-d8
Concen: 45.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

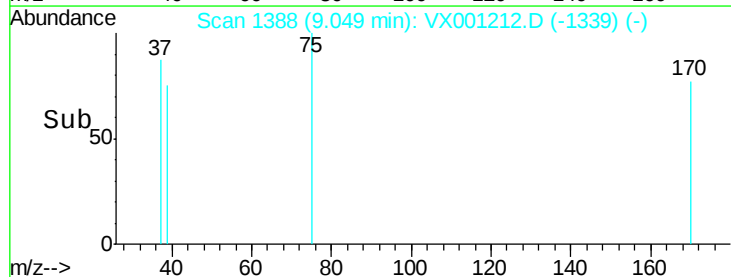
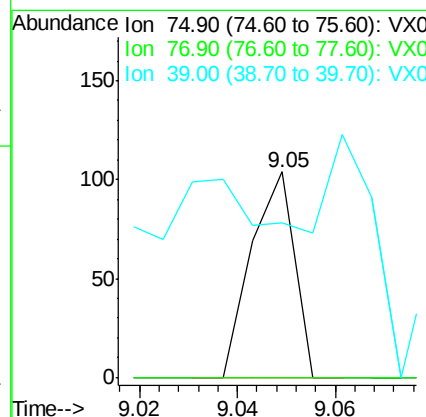
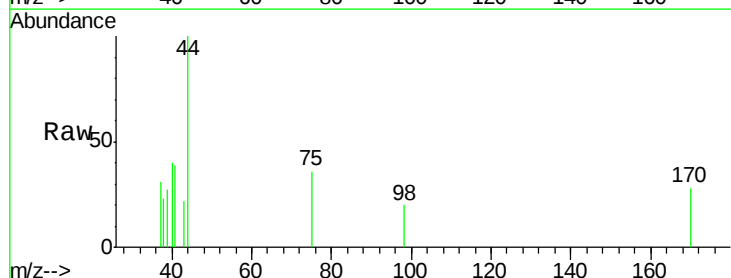
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

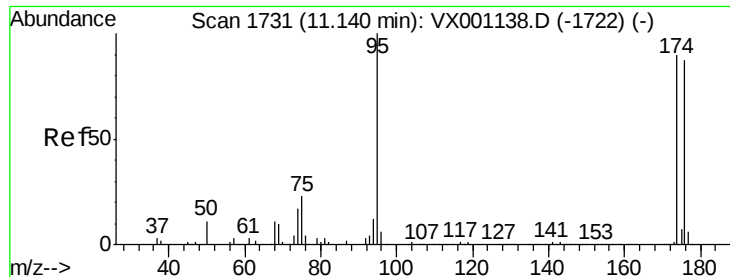
Tgt Ion: 98 Resp: 351444
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.6



#54
cis-1,3-Dichloropropene
Concen: 3.20 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 0.0 42.0 63.0#

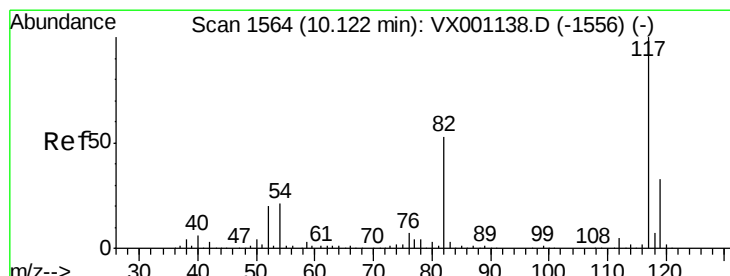
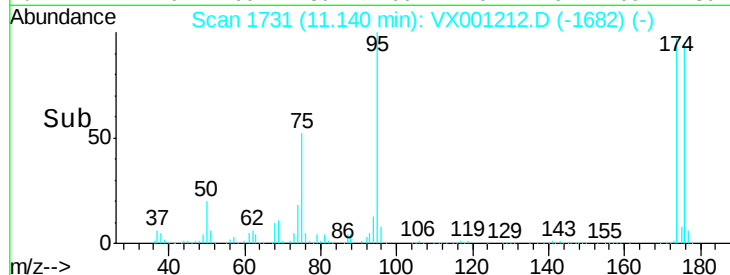
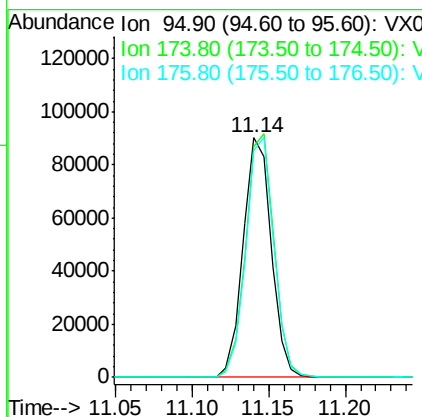
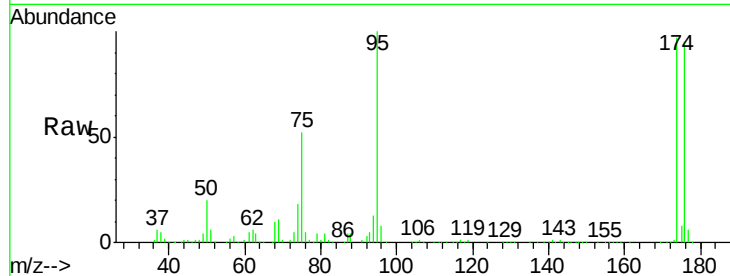




#62
4-Bromofluorobenzene
Concen: 37.73 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

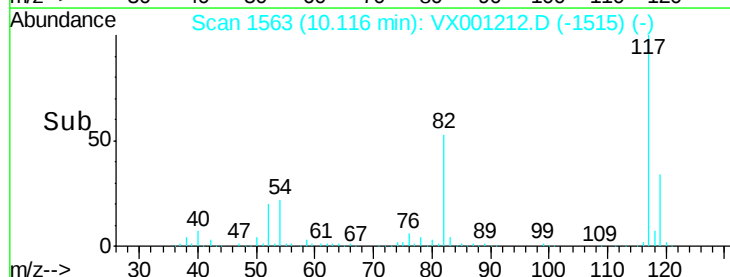
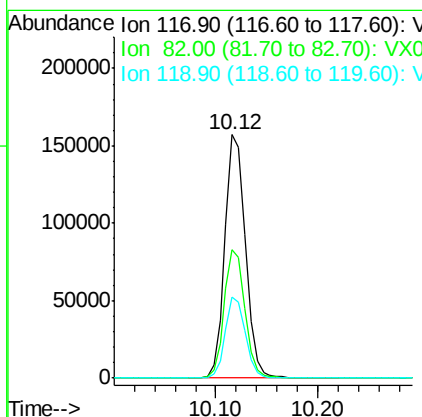
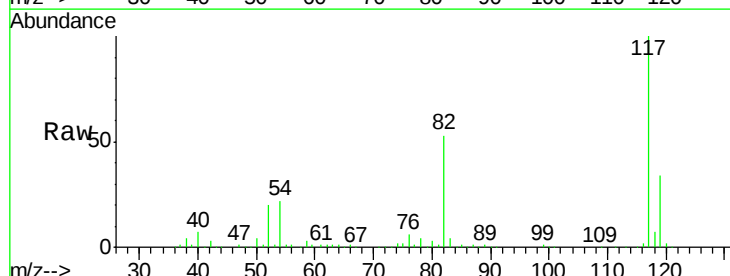
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

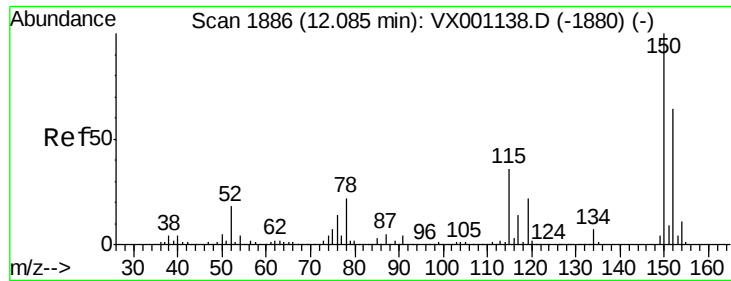
Tgt Ion: 95 Resp: 114965
Ion Ratio Lower Upper
95 100
174 102.7 0.0 194.4
176 100.1 0.0 190.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

Tgt Ion: 117 Resp: 220785
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 33.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001212.D

Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

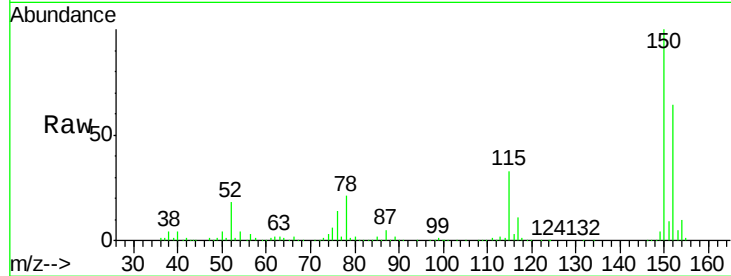
Tgt Ion:152 Resp: 120810

Ion Ratio Lower Upper

152 100

115 52.6 38.0 114.0

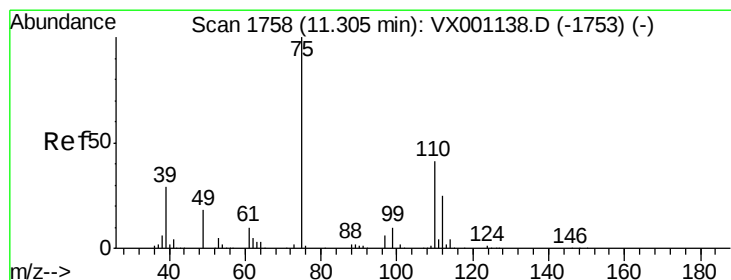
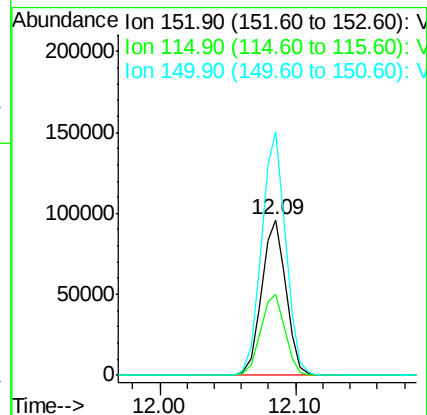
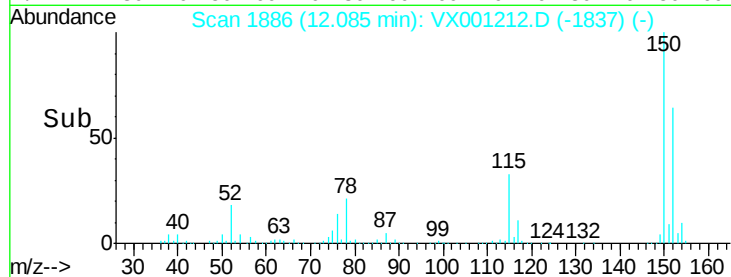
150 155.3 0.0 349.6



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: 24.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001212.D

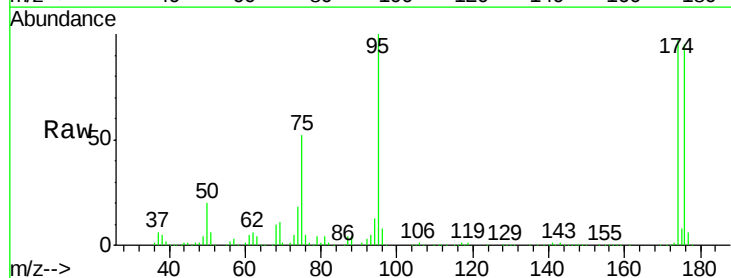
Acq: 28 Apr 2018 14:39

Tgt Ion: 75 Resp: 59439

Ion Ratio Lower Upper

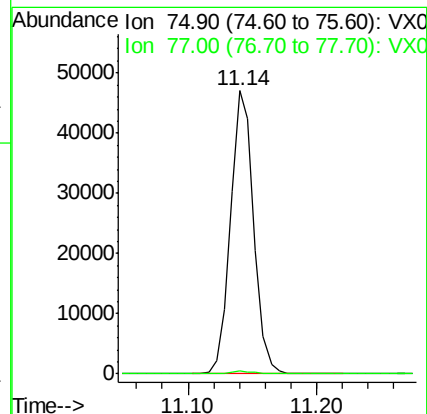
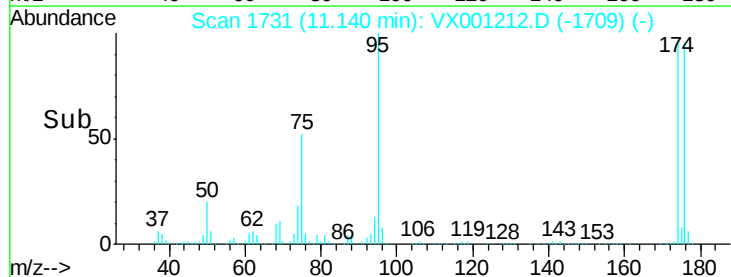
75 100

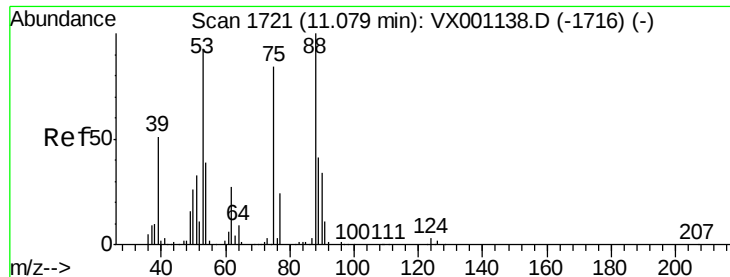
77 1.1 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

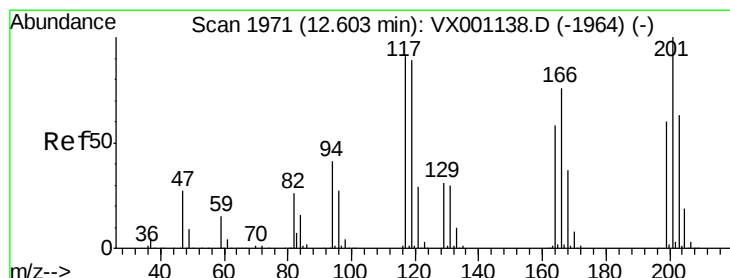
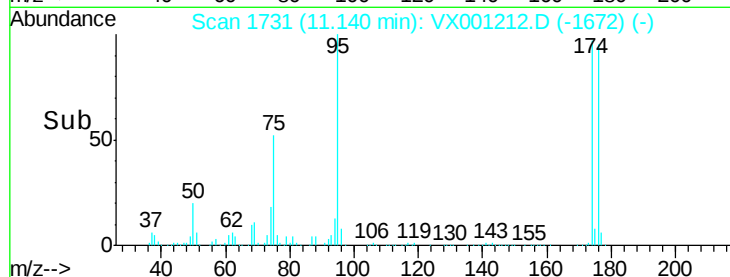
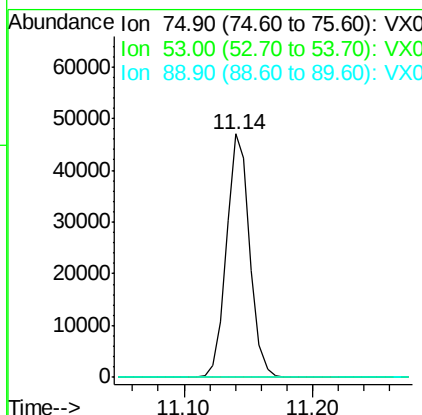
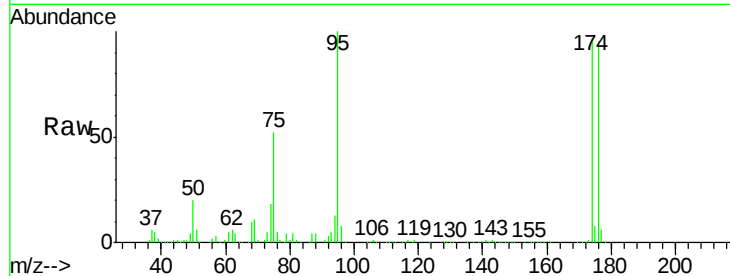




#81
trans-1,4-Dichloro-2-butene
Concen: 74.06 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

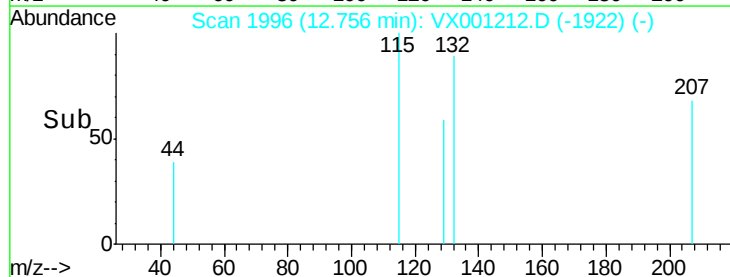
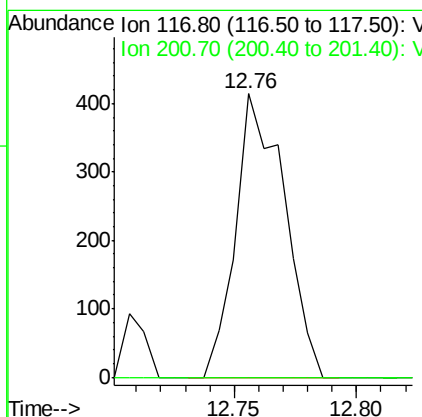
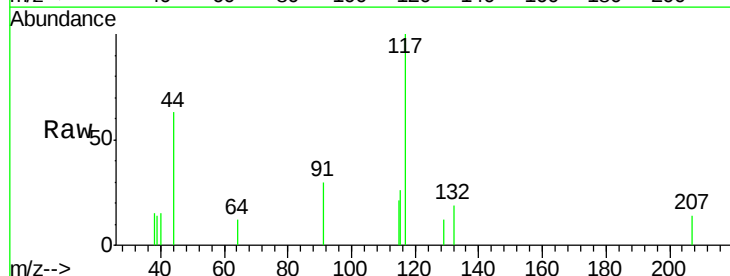
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

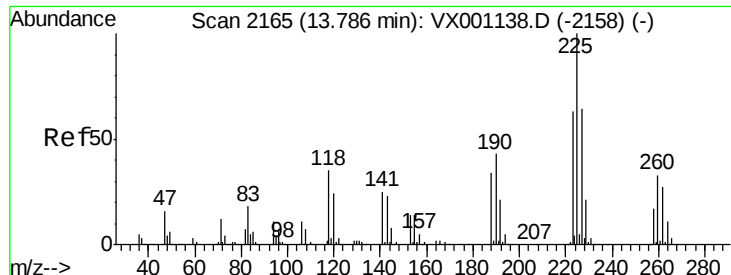
Tgt Ion: 75 Resp: 59439
Ion Ratio Lower Upper
75 100
53 0.0 87.9 131.9#
89 0.0 37.7 56.5#



#90
Hexachloroethane
Concen: 3.83 ug/l
RT: 12.76 min Scan# 1996
Delta R.T. 0.15 min
Lab File: VX001212.D
Acq: 28 Apr 2018 14:39

Tgt Ion: 117 Resp: 572
Ion Ratio Lower Upper
117 100
201 0.0 51.8 155.4#





#94

Hexachlorobutadiene

Concen: 0.21 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX001212.D

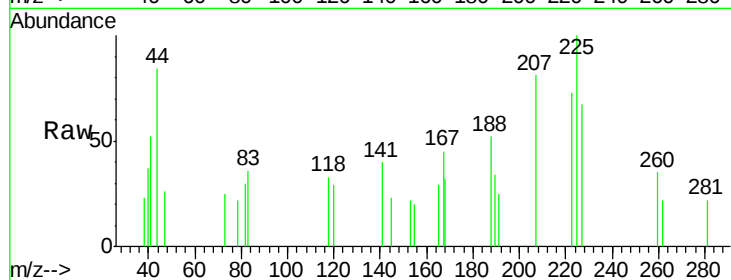
Acq: 28 Apr 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK



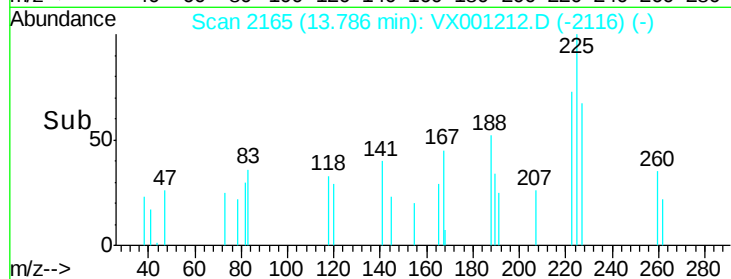
Tgt Ion: 225 Resp: 322

Ion Ratio Lower Upper

225 100

223 56.8 31.3 93.9

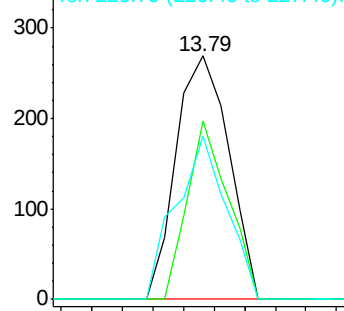
227 64.3 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 13.75 13.80