

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003264.D
 Acq On : 10 Jul 2018 00:30
 Operator : JC/MD
 Sample : PB110911ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB110911ZHE#10

Quant Time: Jul 10 01:07:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194060	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	169280	40.23	ug/l	0.00
Spiked Amount			Recovery	=	80.46%	
35) Dibromofluoromethane	5.51	113	144762	36.54	ug/l	0.00
Spiked Amount			Recovery	=	73.08%	
50) Toluene-d8	8.72	98	513225	36.47	ug/l	0.00
Spiked Amount			Recovery	=	72.94%	
62) 4-Bromofluorobenzene	11.14	95	179066	34.44	ug/l	0.00
Spiked Amount			Recovery	=	68.88%	

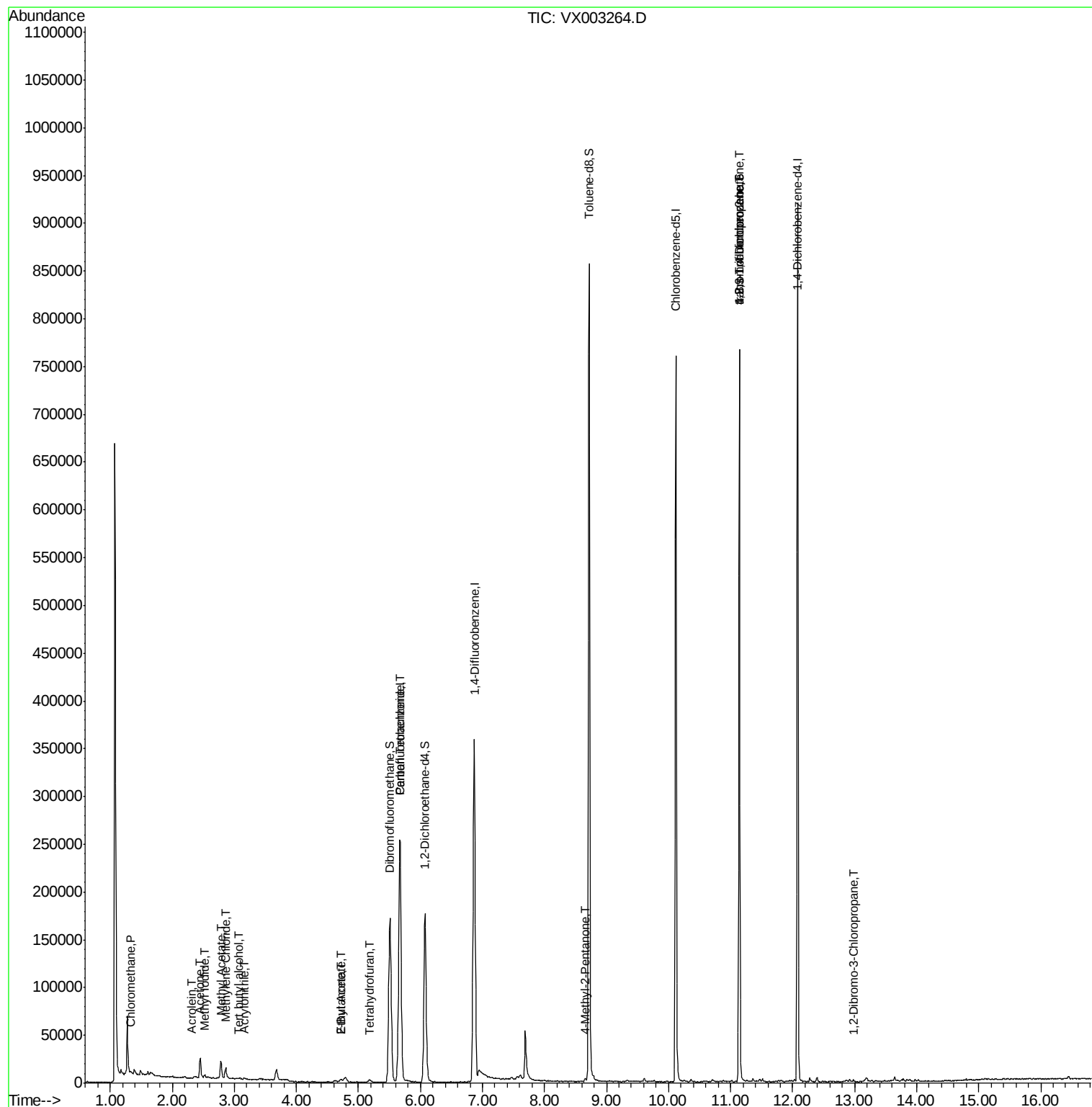
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	839	0.23	ug/l	97
5) Bromomethane	1.65	94	2342	Below Cal	#	72
10) Methyl Iodide	2.52	142	3731	6.56	ug/l	95
11) Tert butyl alcohol	3.07	59	738	0.97	ug/l	# 87
13) Acrolein	2.31	56	459	0.75	ug/l	# 60
15) Acrylonitrile	3.16	53	353	0.21	ug/l	# 84
16) Acetone	2.45	43	23179	15.51	ug/l	99
18) Methyl Acetate	2.78	43	22099	5.24	ug/l	94
20) Methylene Chloride	2.86	84	5185	1.00	ug/l	# 82
25) 2-Butanone	4.72	43	5348	2.02	ug/l	# 87
29) Tetrahydrofuran	5.18	42	2472	1.44	ug/l	97
37) Ethyl Acetate	4.72	43	5348	0.93	ug/l	# 70
38) Carbon Tetrachloride	5.67	117	23432	4.10	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.65	43	2017	0.36	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	89467	21.33	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	89467	69.72	ug/l	# 7
92) 1,2-Dibromo-3-Chloropropan	12.98	75	302	0.30	ug/l	# 1

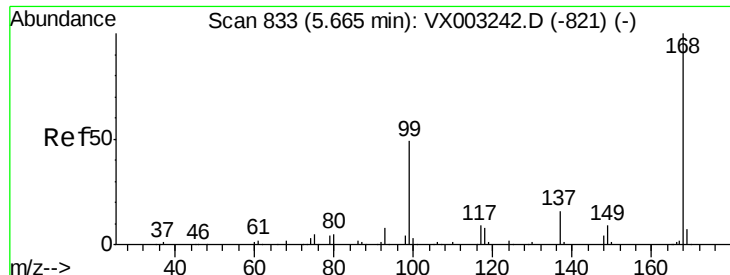
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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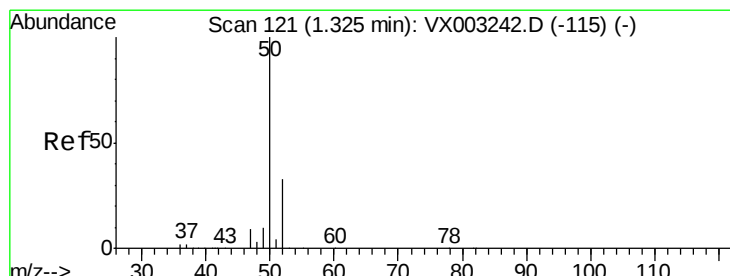
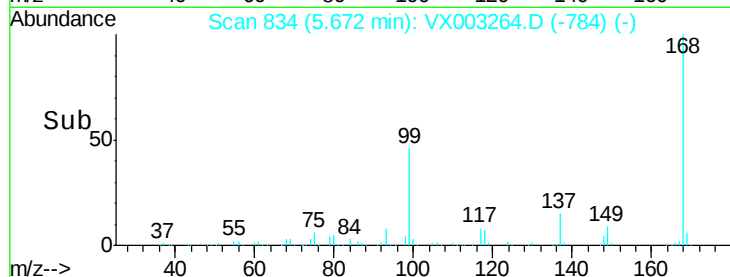
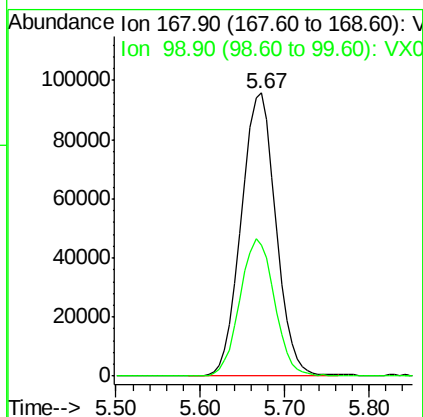
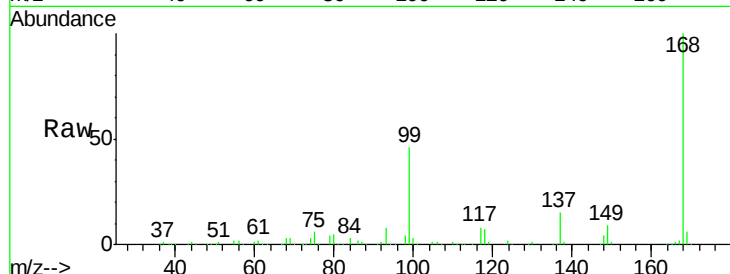




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

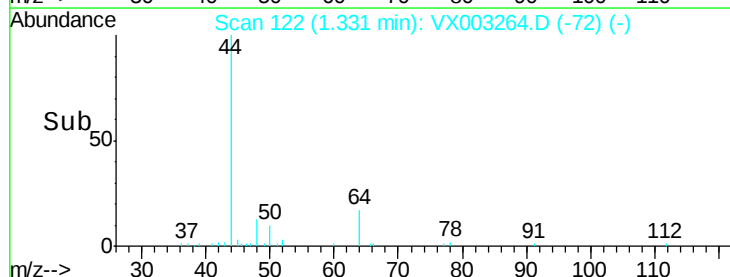
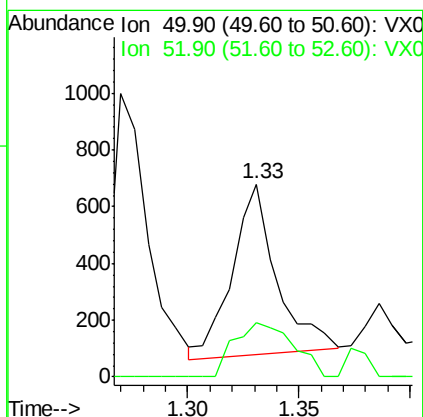
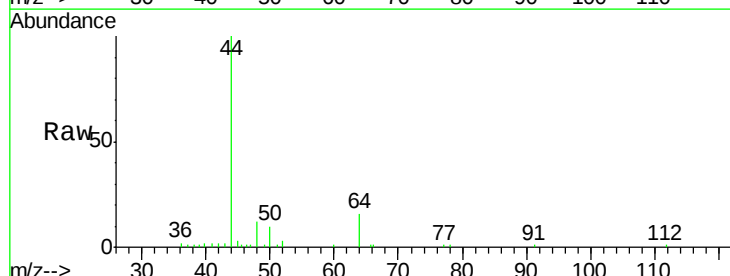
Instrument :
MSVOA_X
ClientSampleId :
PB110911ZHE#10

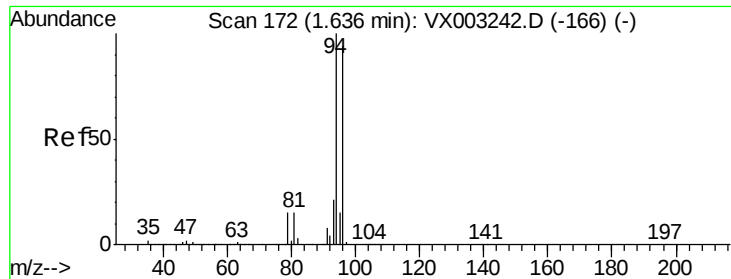
Tot Ion:168 Resp: 267399
Ion Ratio Lower Upper
168 100
99 46.2 39.3 58.9



#3
Chloromethane
Concen: 0.23 ug/l
RT: 1.33 min Scan# 122
Delta R.T. 0.01 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

Tgt Ion: 50 Resp: 839
Ion Ratio Lower Upper
50 100
52 33.6 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

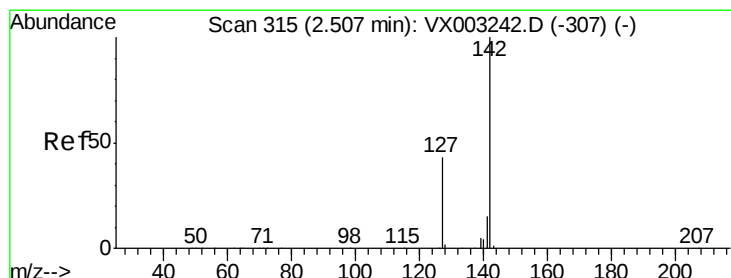
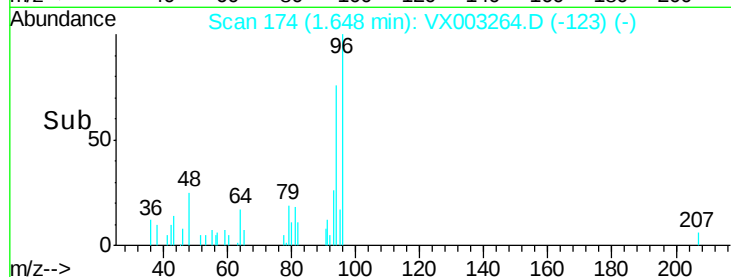
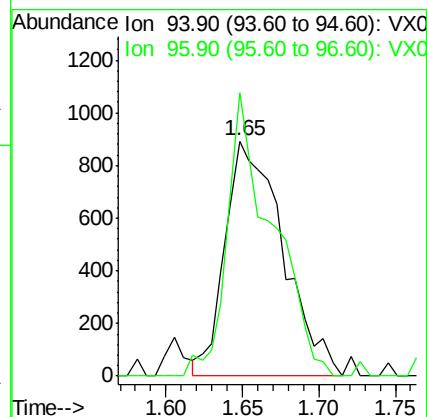
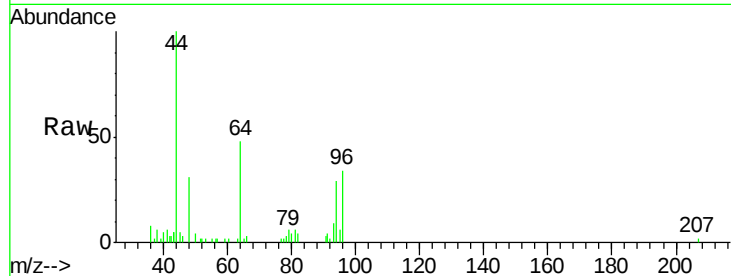
PB110911ZHE#10

Tot Ion: 94 Resp: 2342

Ion Ratio Lower Upper

94 100

96 120.2 74.9 112.3#



#10

Methyl Iodide

Concen: 6.56 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

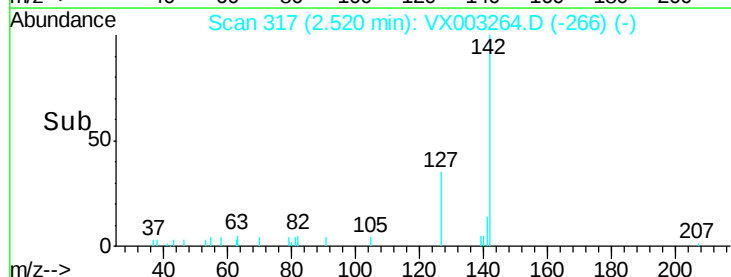
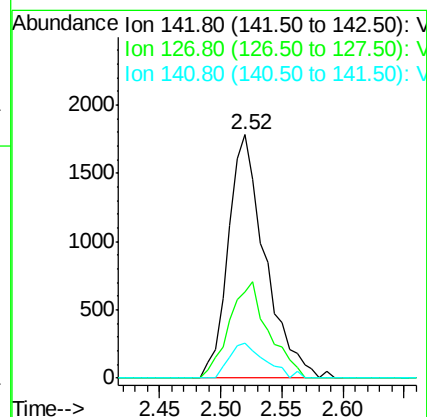
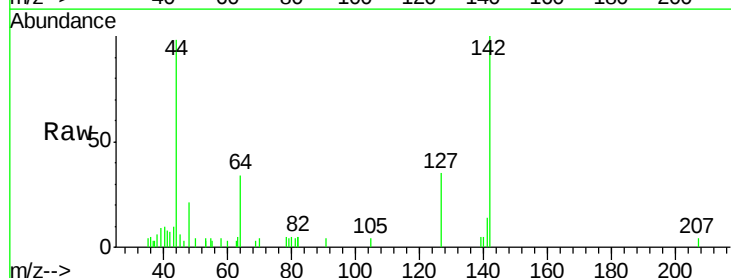
Tgt Ion: 142 Resp: 3731

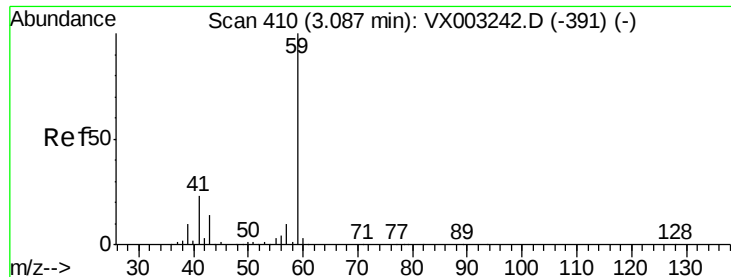
Ion Ratio Lower Upper

142 100

127 41.8 36.6 55.0

141 14.0 11.3 16.9



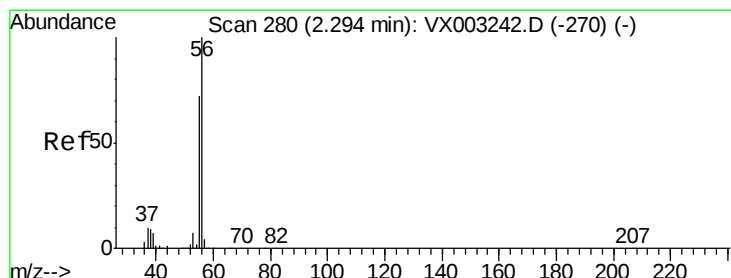
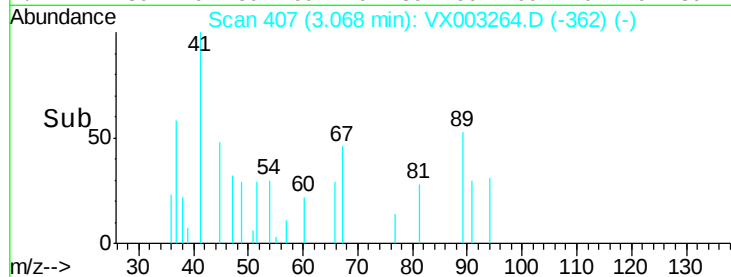
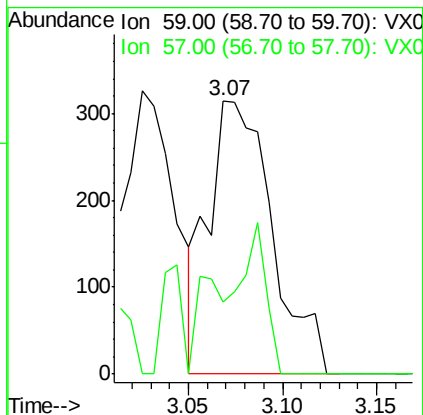
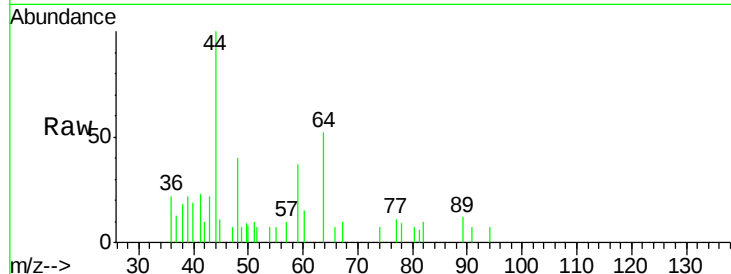


#11

Tert butyl alcohol
Concen: 0.97 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
PB110911ZHE#10

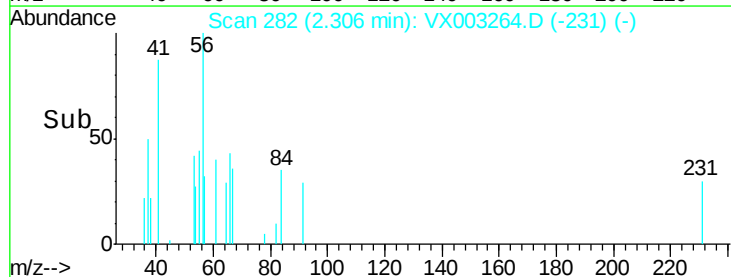
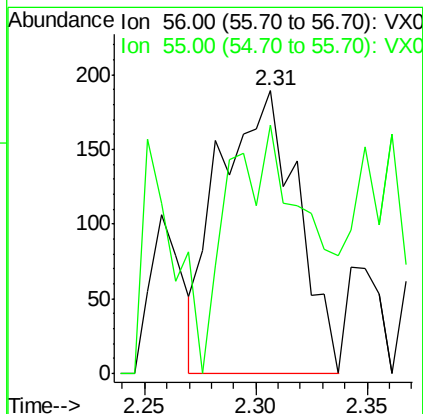
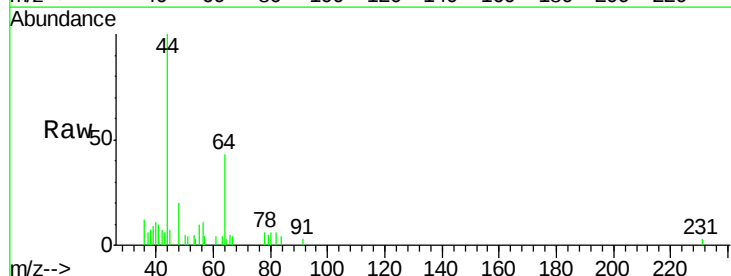
Tot Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 15.0 8.2 12.2#

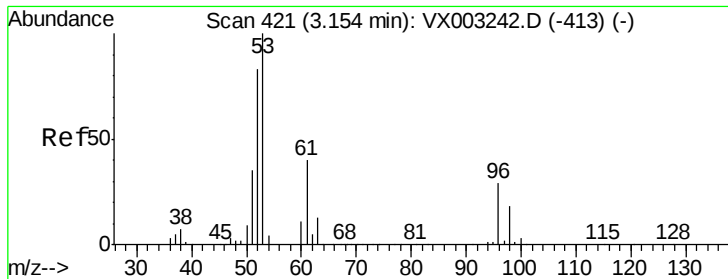


#13

Acrolein
Concen: 0.75 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

Tgt Ion: 56 Resp: 459
Ion Ratio Lower Upper
56 100
55 37.7 57.0 85.4#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

PB110911ZHE#10

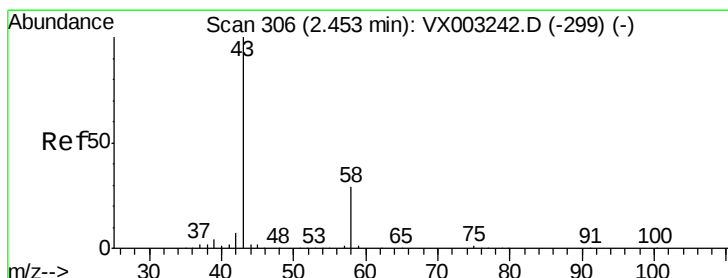
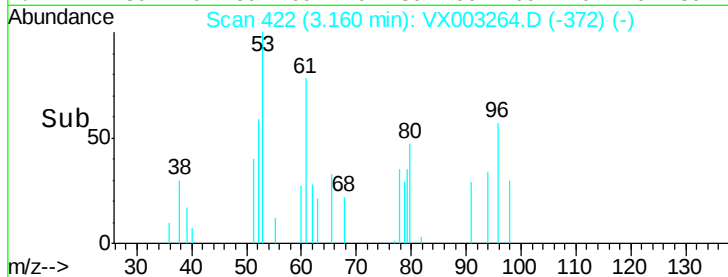
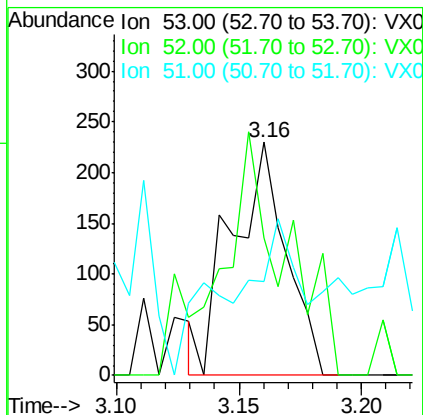
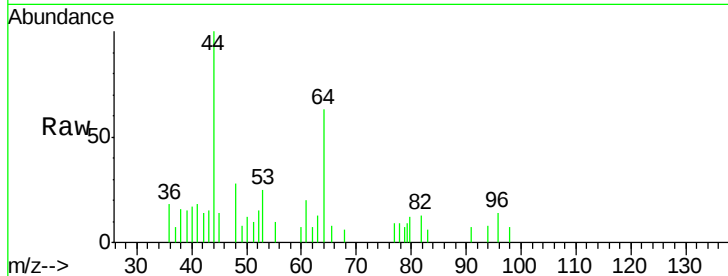
Tot Ion: 53 Resp: 353

Ion Ratio Lower Upper

53 100

52 93.2 66.7 100.1

51 53.8 29.9 44.9#



#16

Acetone

Concen: 15.51 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003264.D

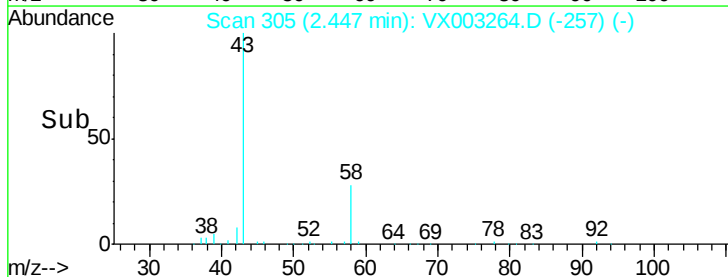
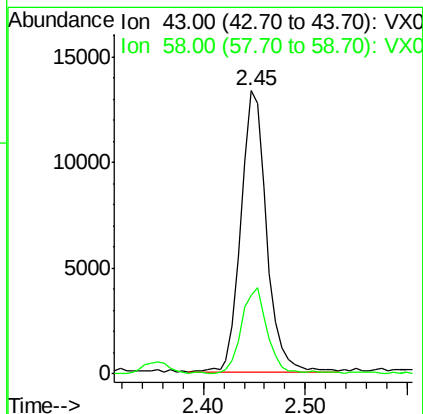
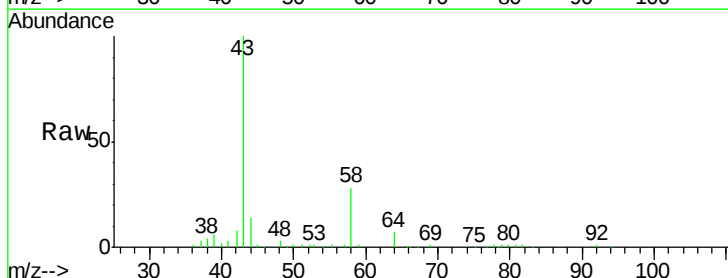
Acq: 10 Jul 2018 00:30

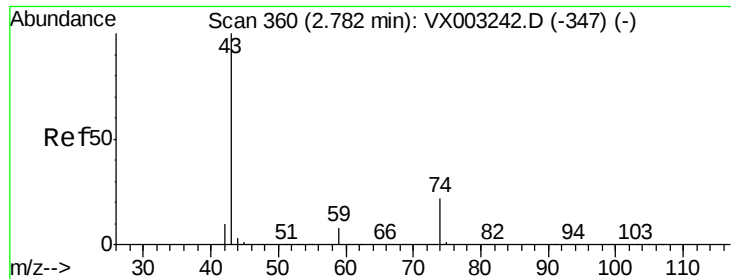
Tgt Ion: 43 Resp: 23179

Ion Ratio Lower Upper

43 100

58 28.1 22.1 33.1

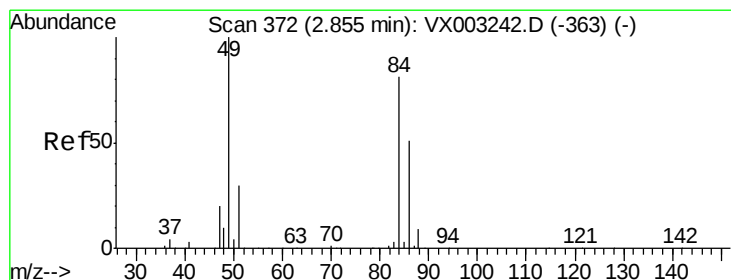
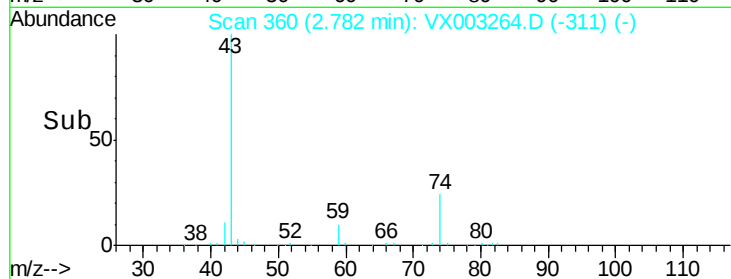
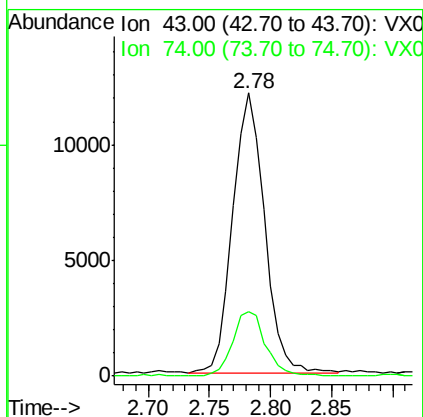
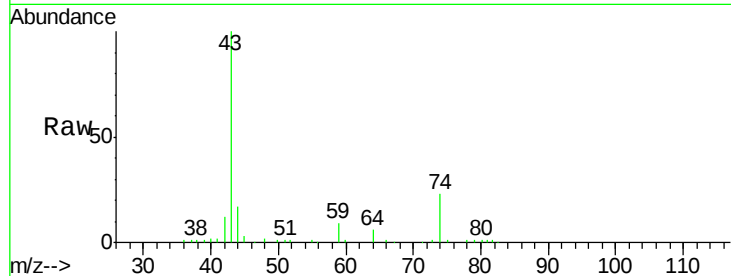




#18
Methyl Acetate
Concen: 5.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

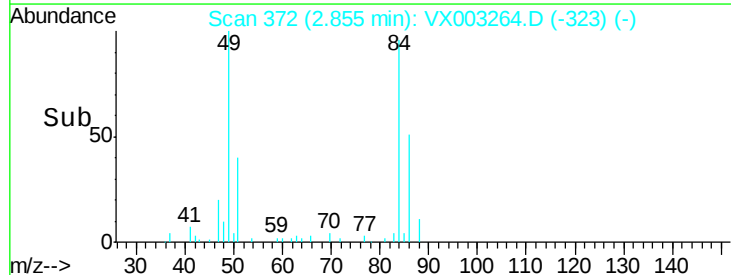
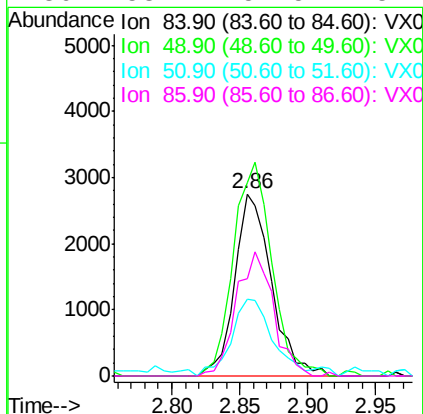
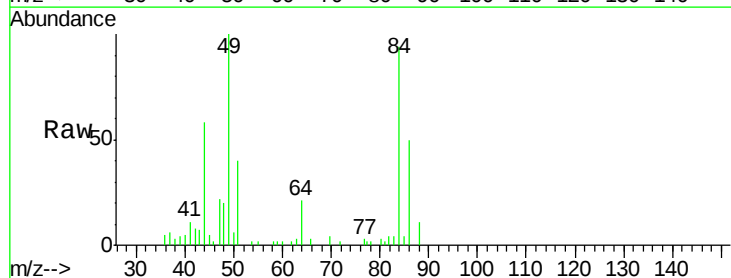
Instrument :
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PB110911ZHE#10

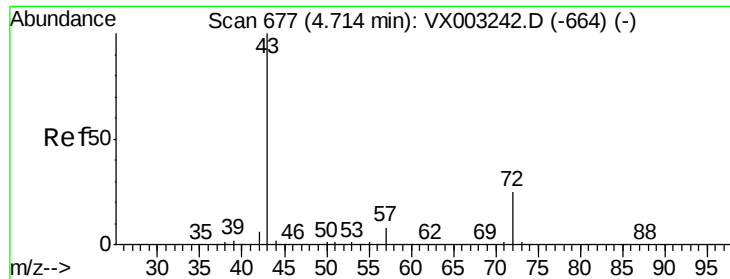
Tot Ion: 43 Resp: 22099
Ion Ratio Lower Upper
43 100
74 23.5 16.7 25.1



#20
Methylene Chloride
Concen: 1.00 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

Tgt Ion: 84 Resp: 5185
Ion Ratio Lower Upper
84 100
49 106.2 107.8 161.6#
51 42.1 32.8 49.2
86 53.2 52.5 78.7





#25

2-Butanone

Concen: 2.02 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

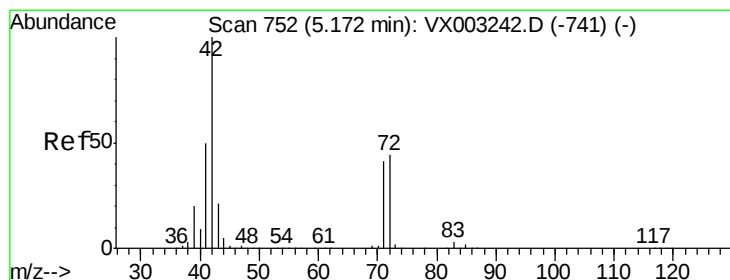
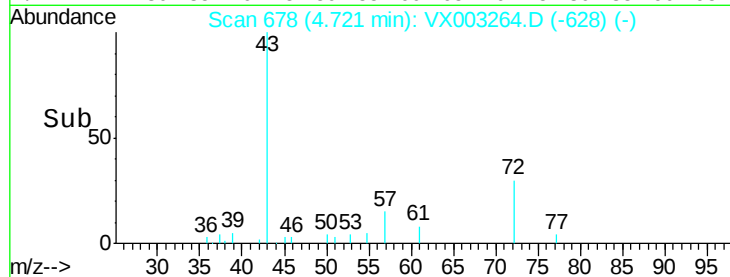
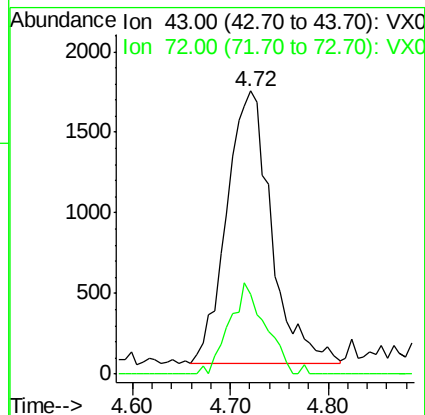
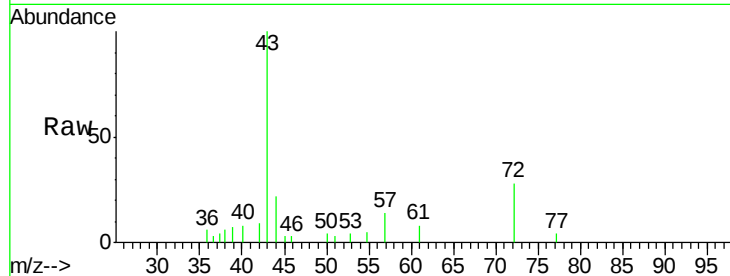
PB110911ZHE#10

Tot Ion: 43 Resp: 5348

Ion Ratio Lower Upper

43 100

72 29.6 18.5 27.7#



#29

Tetrahydrofuran

Concen: 1.44 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

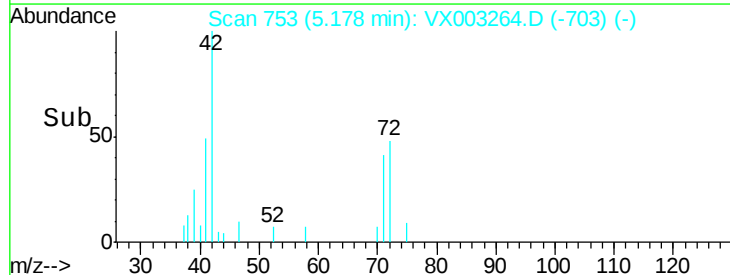
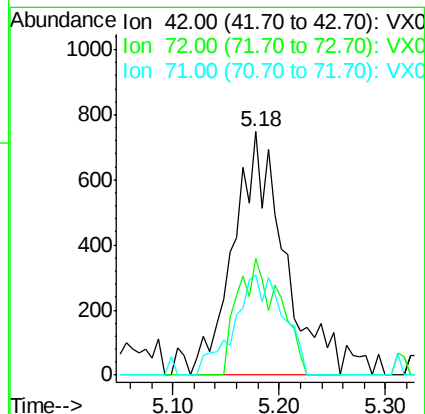
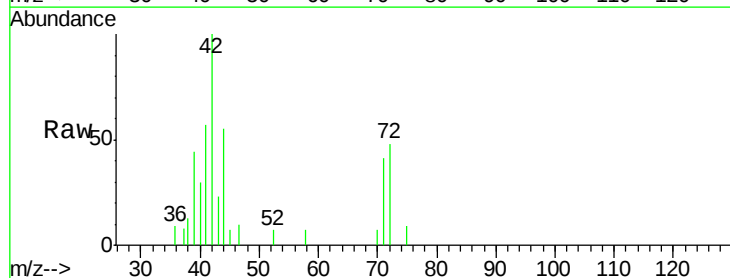
Tgt Ion: 42 Resp: 2472

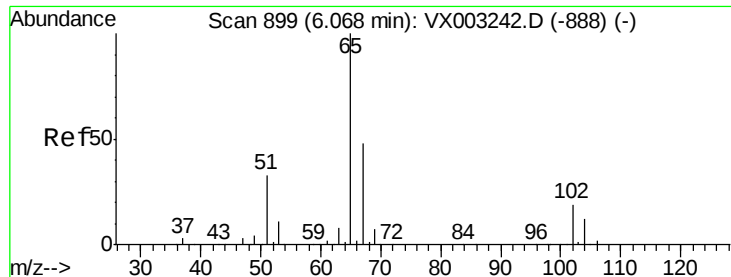
Ion Ratio Lower Upper

42 100

72 40.0 32.0 48.0

71 40.9 30.1 45.1





#33

1,2-Dichloroethane-d4

Concen: 40.23 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

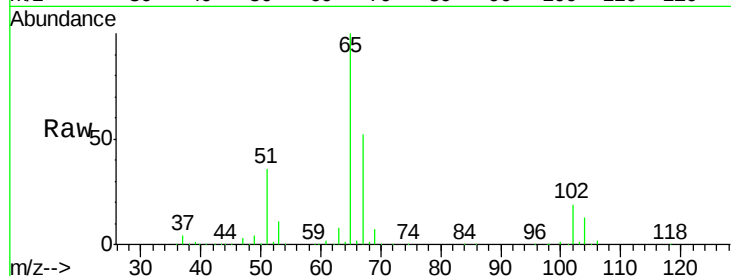
PB110911ZHE#10

Tot Ion: 65 Resp: 169280

Ion Ratio Lower Upper

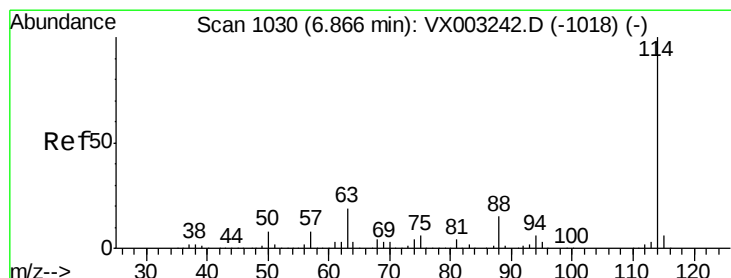
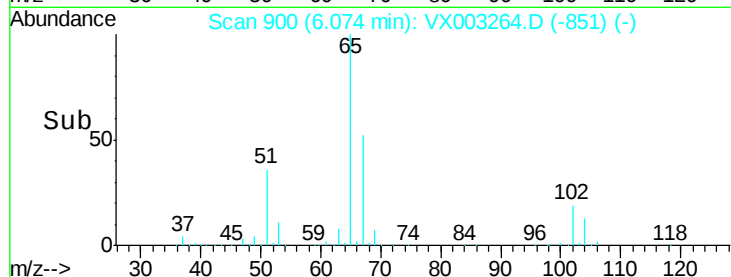
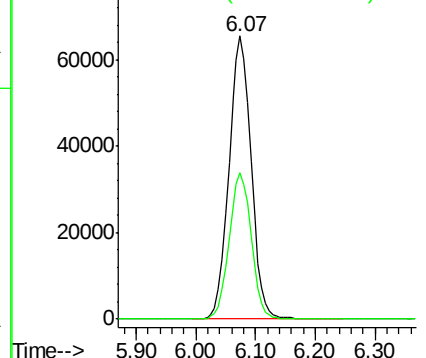
65 100

67 51.6 0.0 102.6



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: VX003264.D

Acq: 10 Jul 2018 00:30

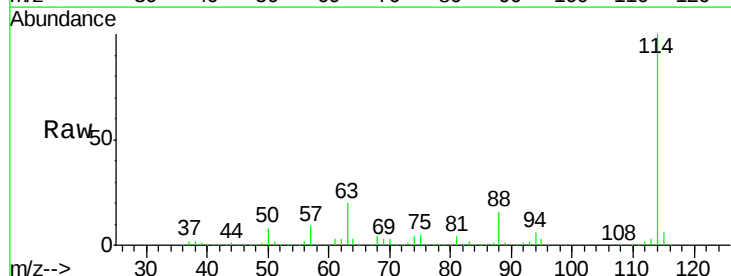
Tgt Ion: 114 Resp: 368785

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

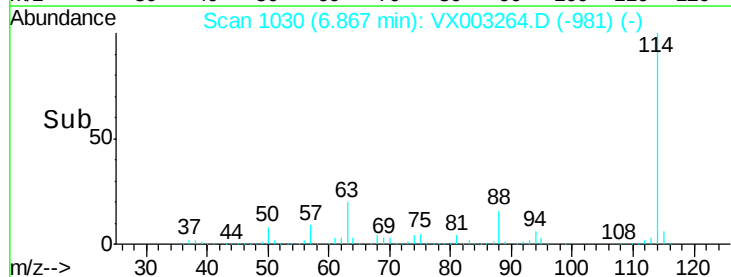
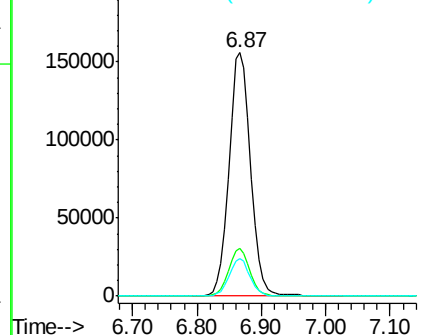
88 15.7 0.0 30.0

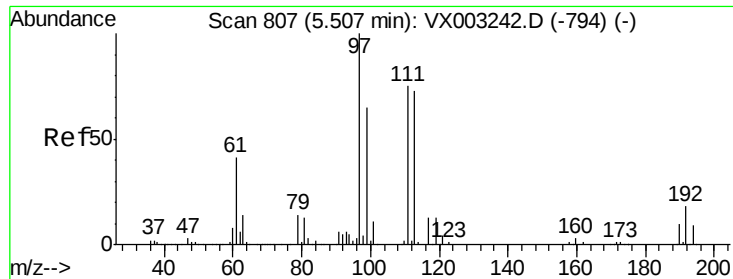


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

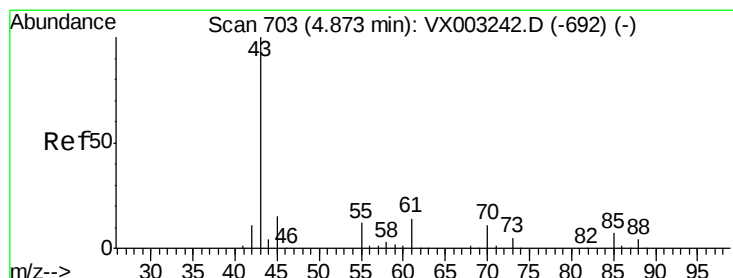
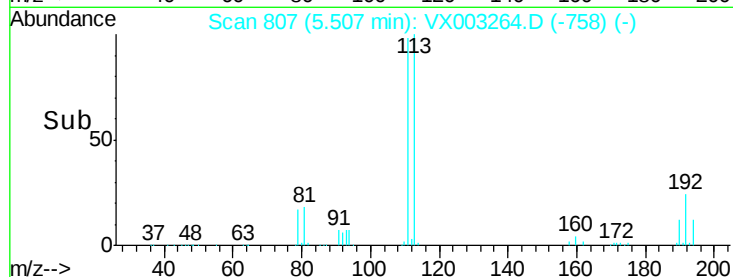
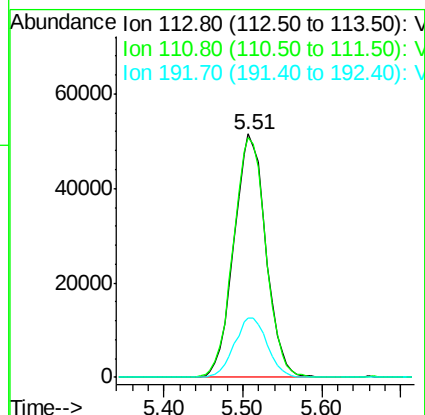
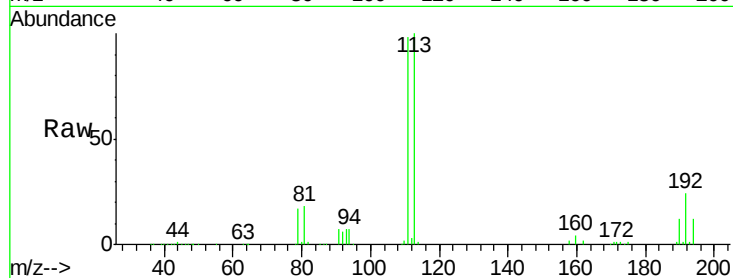




#35
 Dibromofluoromethane
 Concen: 36.54 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003264.D
 Acq: 10 Jul 2018 00:30

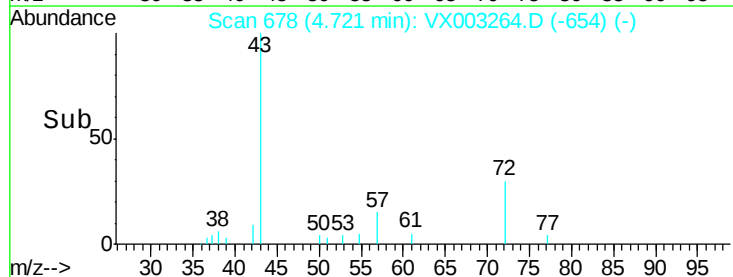
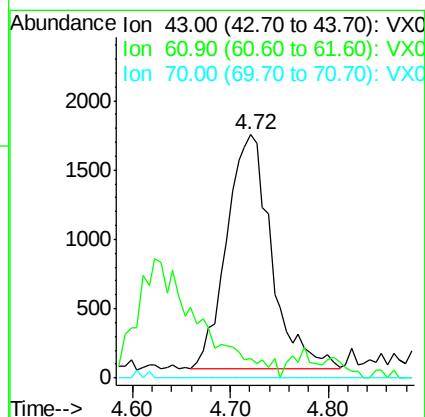
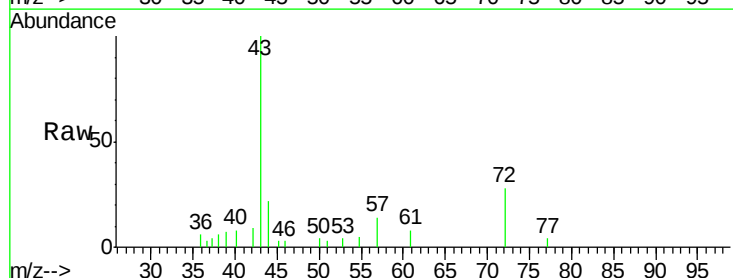
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110911ZHE#10

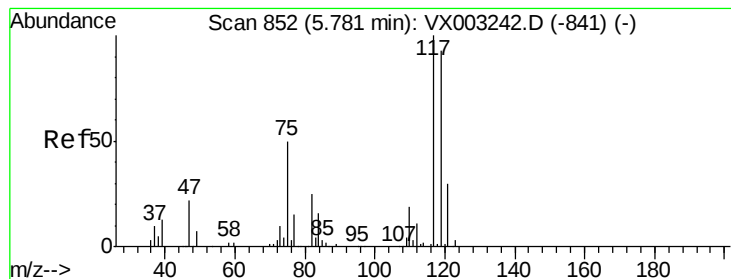
Tot Ion:113 Resp: 144762
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.4 122.0
 192 25.2 19.1 28.7



#37
 Ethyl Acetate
 Concen: 0.93 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.15 min
 Lab File: VX003264.D
 Acq: 10 Jul 2018 00:30

Tgt Ion: 43 Resp: 5348
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 4.10 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

PB110911ZHE#10

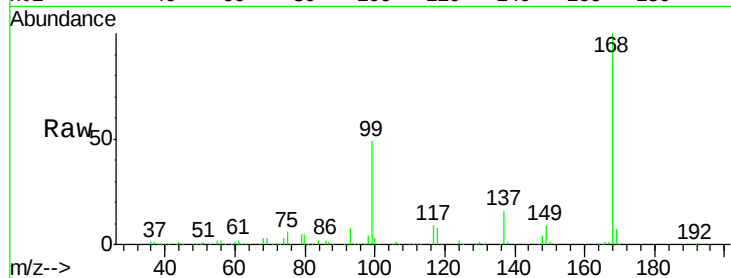
Tot Ion:117 Resp: 23432

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

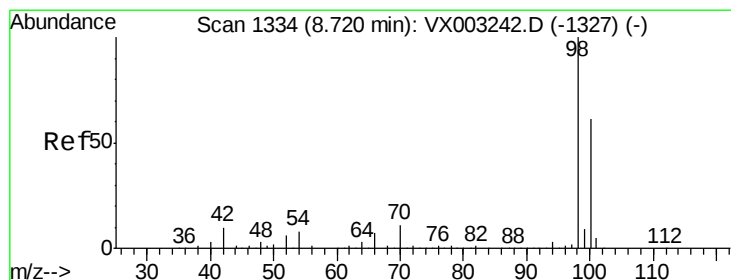
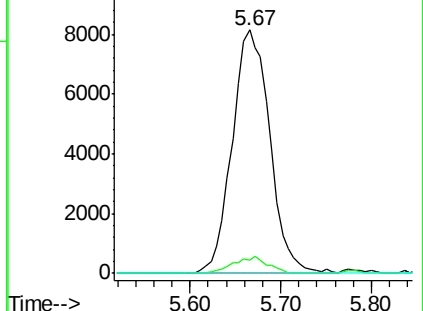
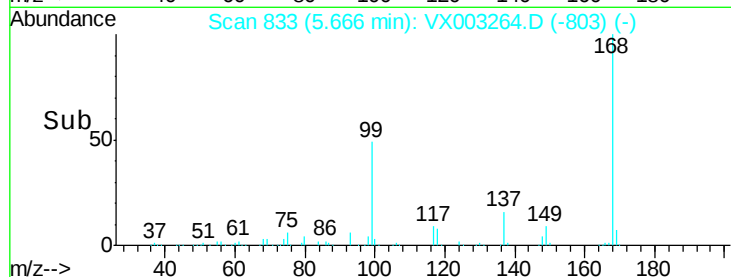
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 36.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003264.D

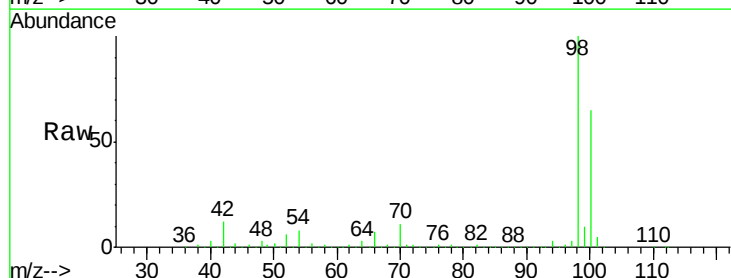
Acq: 10 Jul 2018 00:30

Tgt Ion: 98 Resp: 513225

Ion Ratio Lower Upper

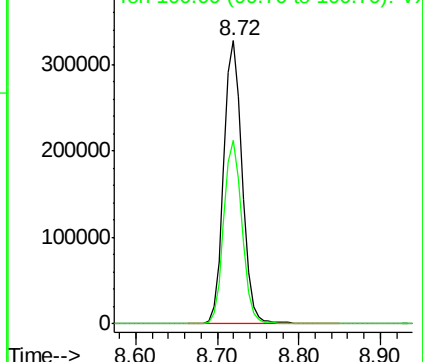
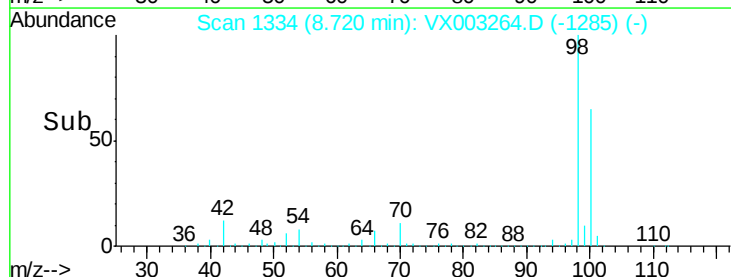
98 100

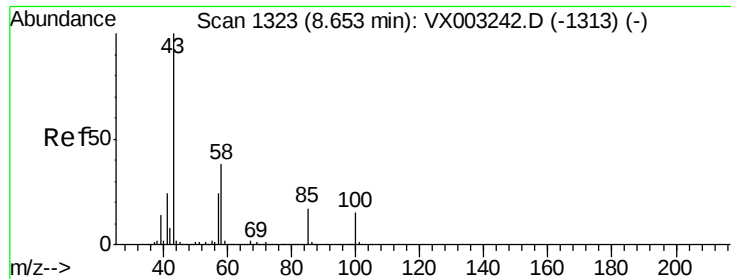
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

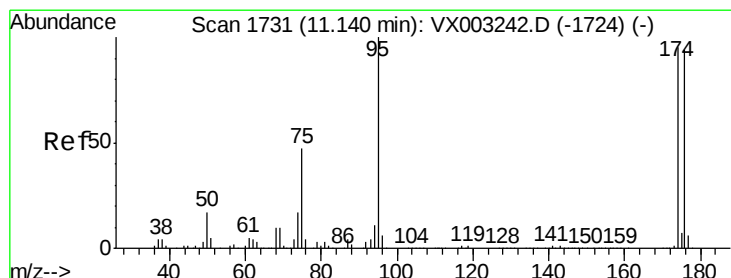
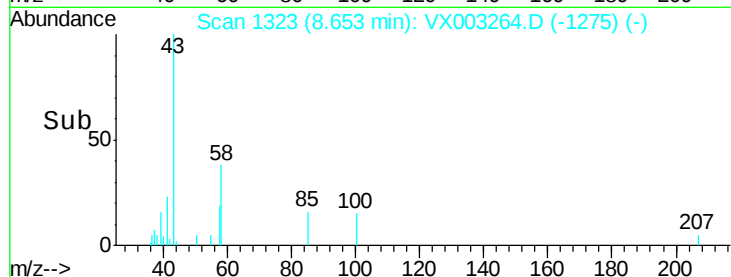
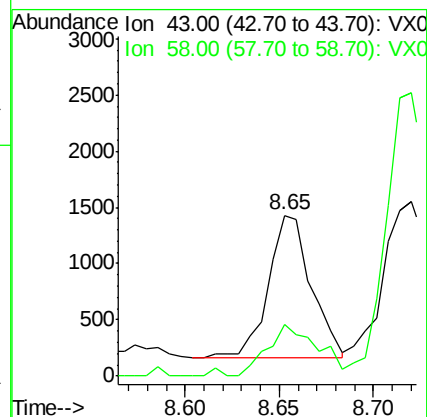
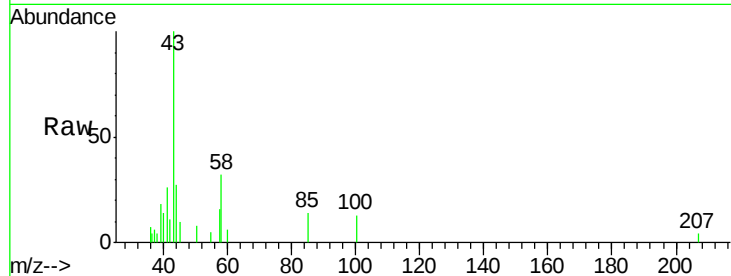
PB110911ZHE#10

Tot Ion: 43 Resp: 2017

Ion Ratio Lower Upper

43 100

58 41.4 28.6 42.8



#62

4-Bromofluorobenzene

Concen: 34.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

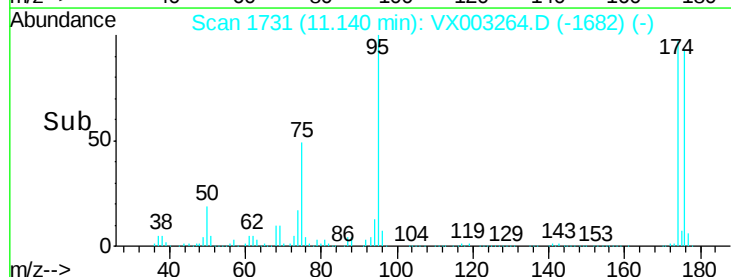
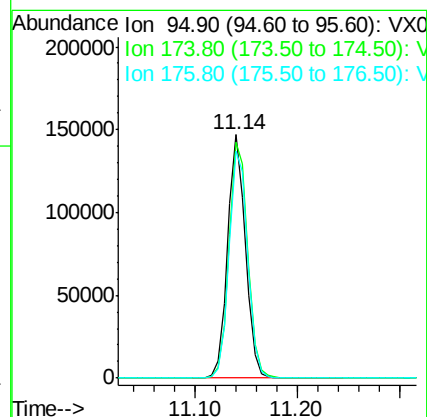
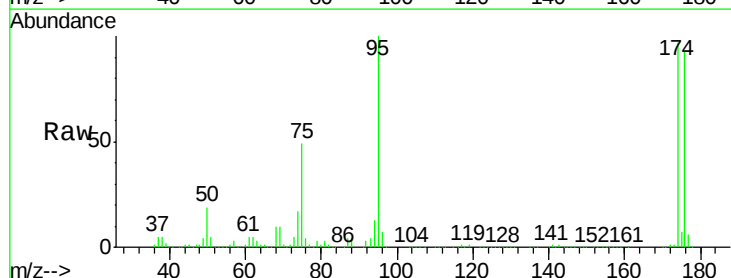
Tgt Ion: 95 Resp: 179066

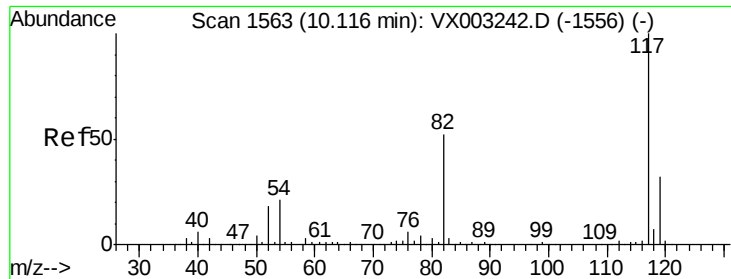
Ion Ratio Lower Upper

95 100

174 100.9 0.0 187.4

176 96.7 0.0 181.0

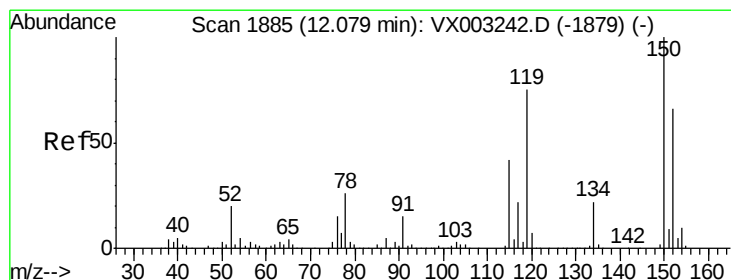
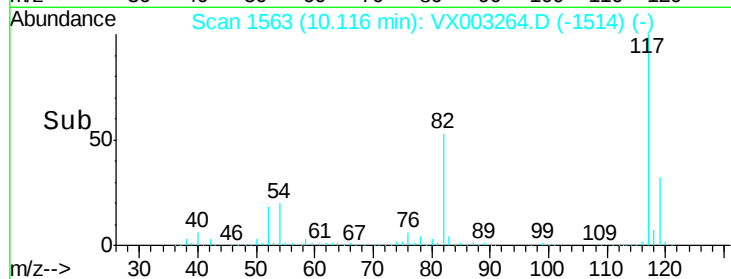
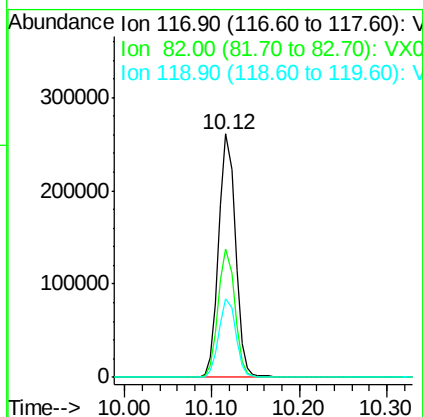
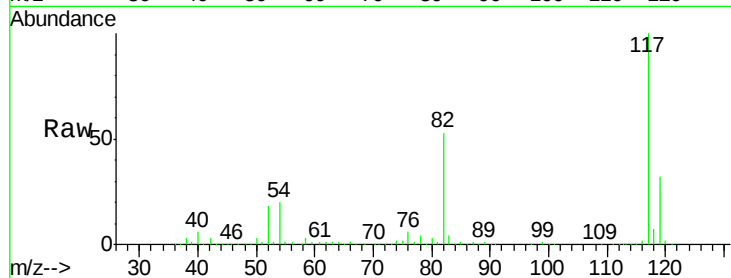




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

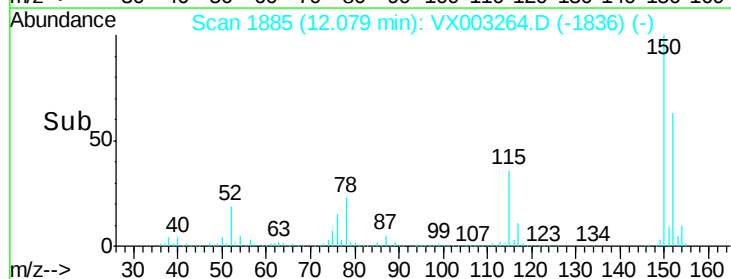
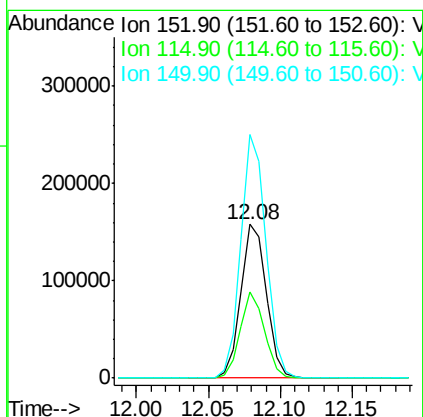
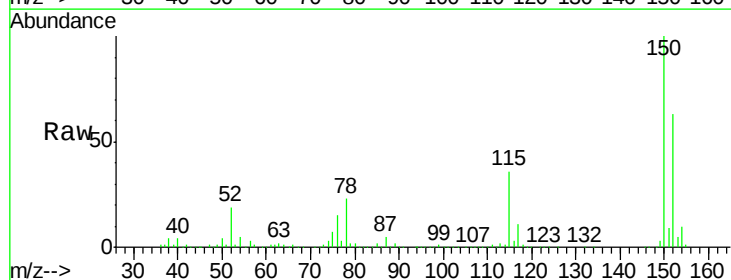
Instrument :
MSVOA_X
ClientSampleId :
PB110911ZHE#10

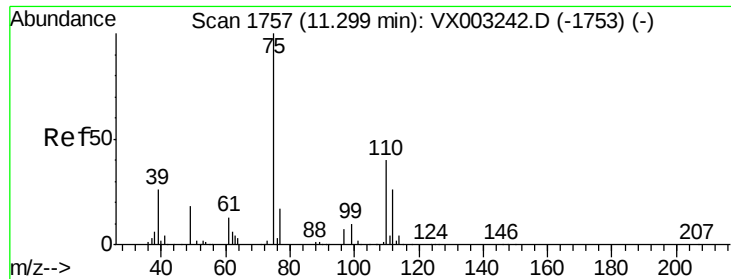
Tot Ion:117 Resp: 345749
Ion Ratio Lower Upper
117 100
82 52.6 45.0 67.4
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003264.D
Acq: 10 Jul 2018 00:30

Tgt Ion:152 Resp: 194060
Ion Ratio Lower Upper
152 100
115 53.7 40.1 120.2
150 156.5 0.0 347.2

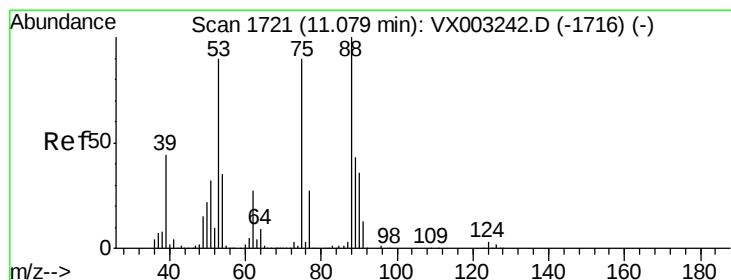
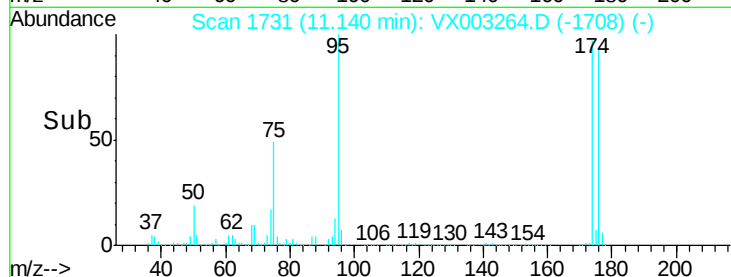
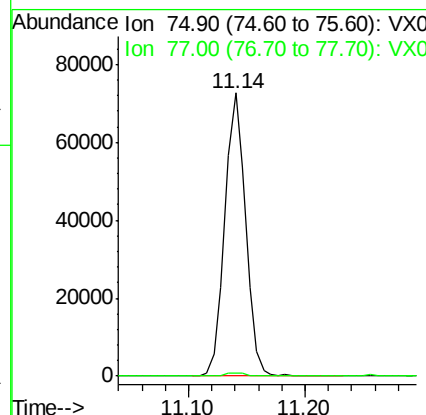
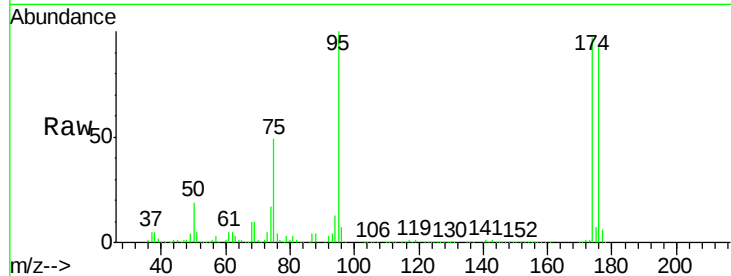




#76
 1,2,3-Trichloropropane
 Concen: 21.33 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003264.D
 Acq: 10 Jul 2018 00:30

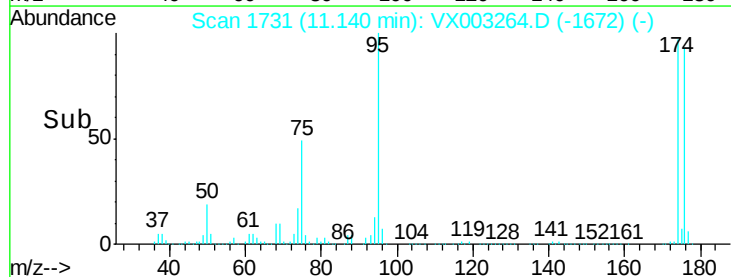
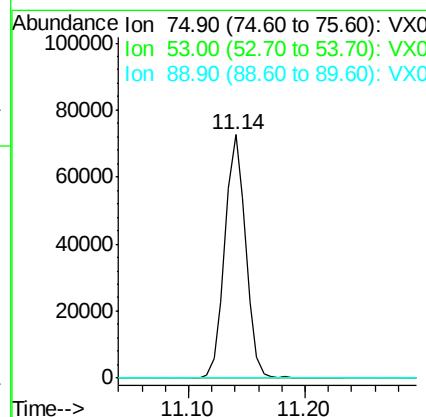
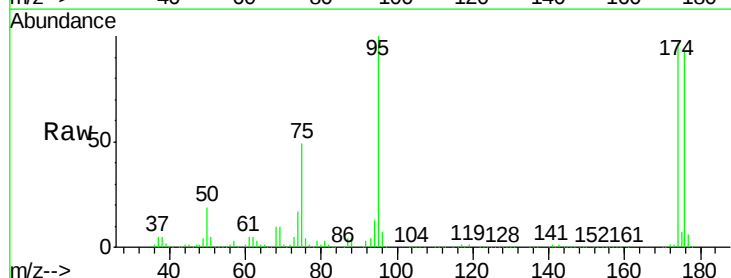
Instrument :
 MSVOA_X
 ClientSampleId :
 PB110911ZHE#10

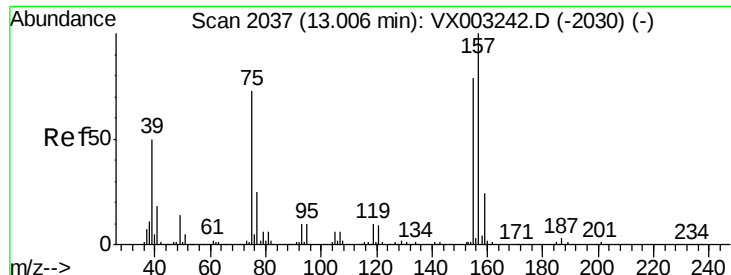
Tot Ion: 75 Resp: 89467
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.72 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003264.D
 Acq: 10 Jul 2018 00:30

Tgt Ion: 75 Resp: 89467
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.1 38.2 57.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.30 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX003264.D

Acq: 10 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

PB110911ZHE#10

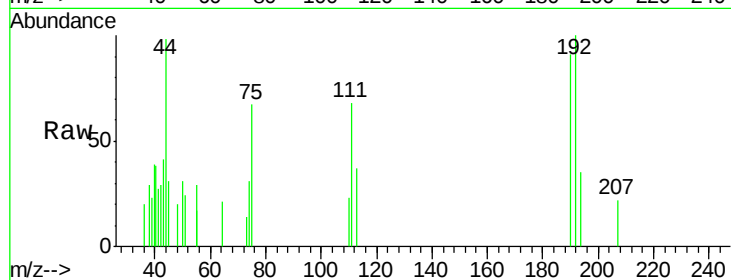
Tot Ion: 75 Resp: 302

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

