

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003231.D
 Acq On : 06 Jul 2018 23:47
 Operator : JC/MD
 Sample : J3878-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 00:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	402696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210418	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	181418	43.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.94%	
35) Dibromofluoromethane	5.51	113	160988	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	8.72	98	553118	47.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.14	95	195697	43.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.14%	

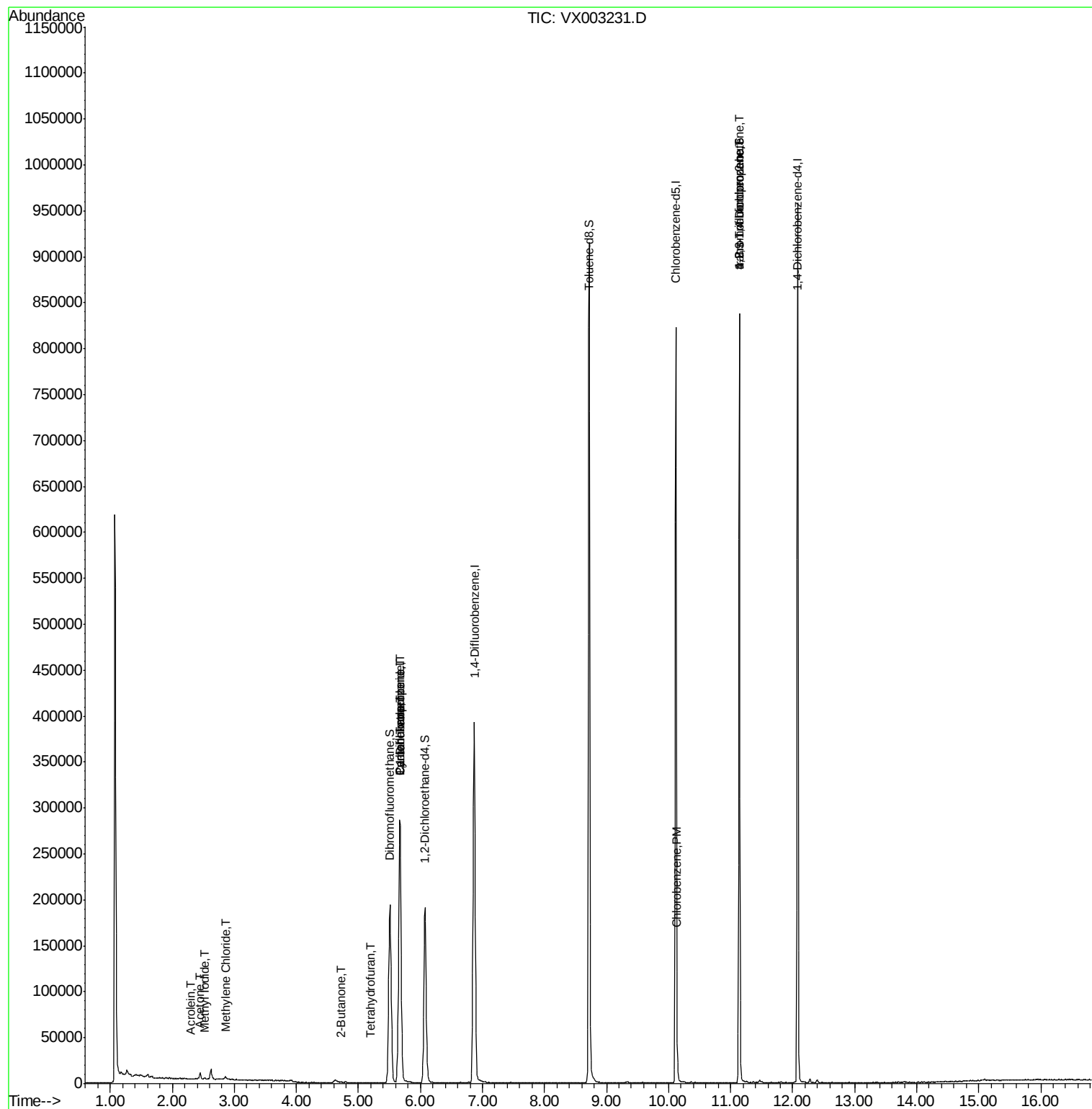
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	23	Below Cal	#	43
3) Chloromethane	1.32	50	1046	Below Cal	#	85
5) Bromomethane	1.65	94	1758	Below Cal	#	75
6) Chloroethane	1.68	64	55	Below Cal	#	7
10) Methyl Iodide	2.52	142	2115	6.77	ug/l	93
13) Acrolein	2.29	56	177	4.61	ug/l #	77
16) Acetone	2.45	43	7227	4.18	ug/l	100
20) Methylene Chloride	2.86	84	1276	0.38	ug/l	94
25) 2-Butanone	4.71	43	640	0.25	ug/l #	52
29) Tetrahydrofuran	5.18	42	729	0.44	ug/l #	65
31) Cyclohexane	5.66	56	5147	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19010	4.30	ug/l #	50
38) Carbon Tetrachloride	5.67	117	26207	5.41	ug/l #	17
65) Chlorobenzene	10.14	112	5022	0.53	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	97873	25.68	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97873	72.86	ug/l #	7

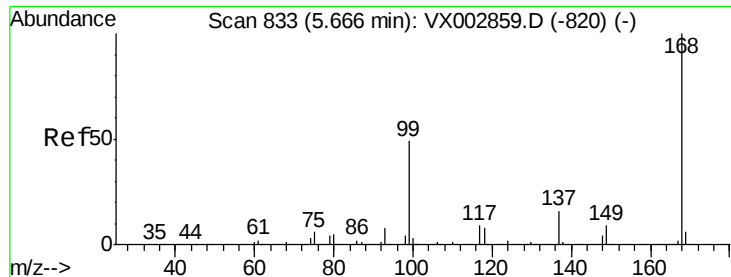
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070618\
Data File : VX003231.D
Acq On : 06 Jul 2018 23:47
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 07 00:46:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

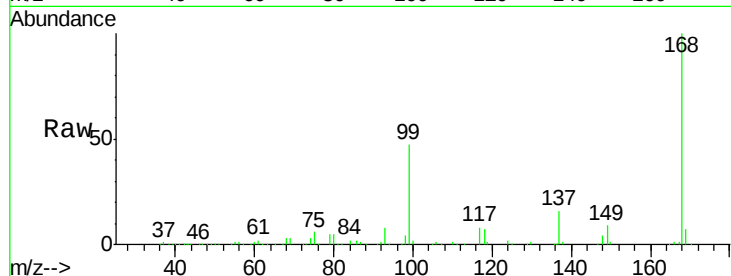
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 301917

Ion Ratio Lower Upper

168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

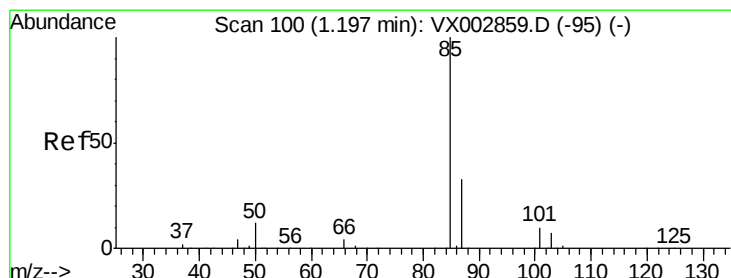
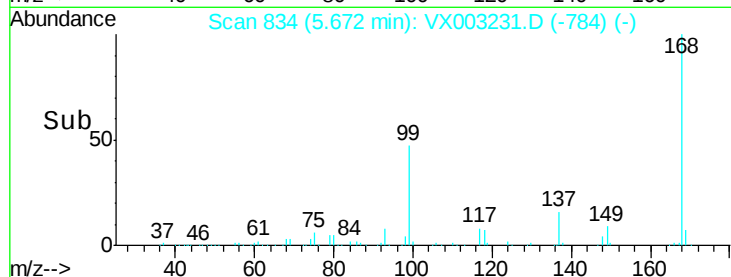
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX003231.D

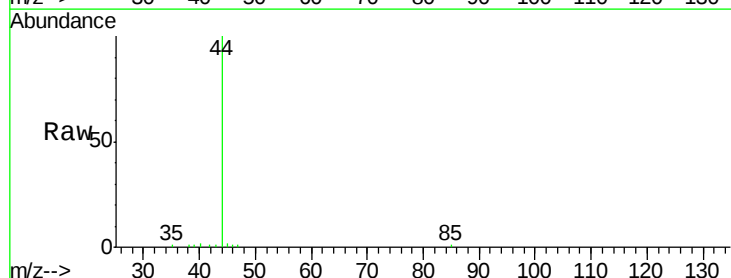
Acq: 06 Jul 2018 23:47

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

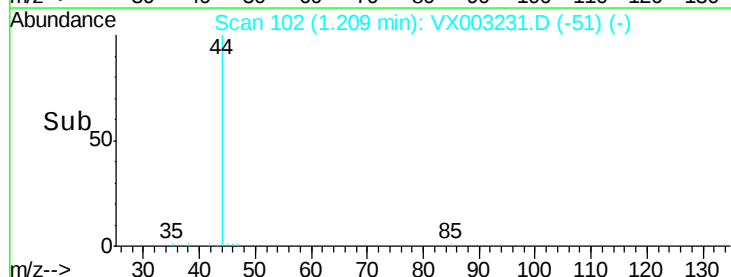
60

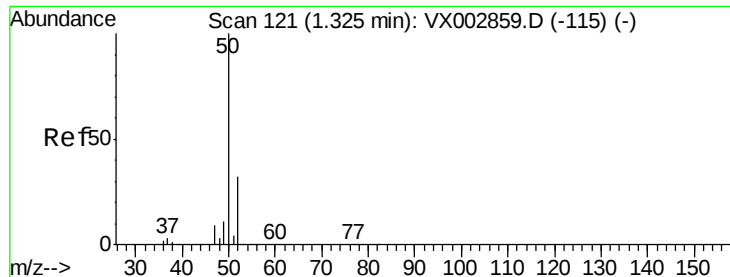
40

20

0

Time--> 1.19 1.20 1.21 1.22 1.23





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

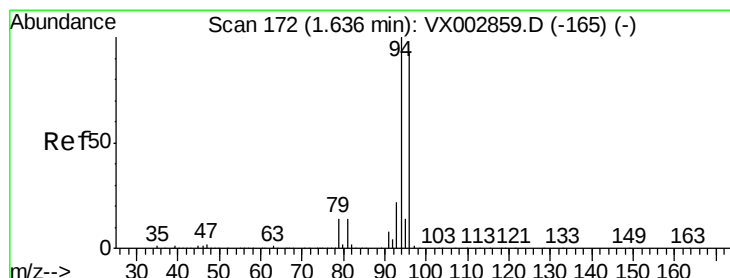
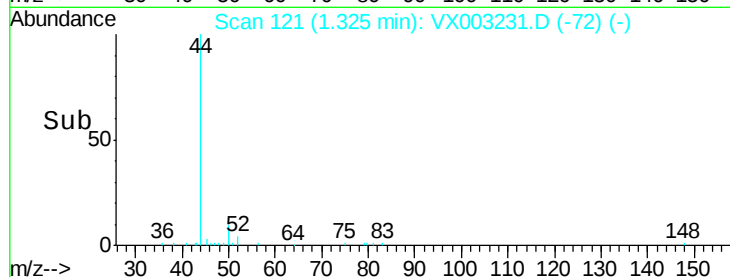
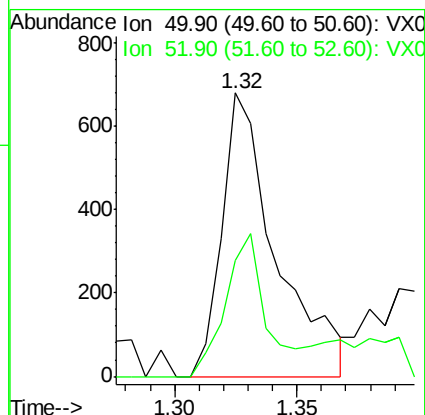
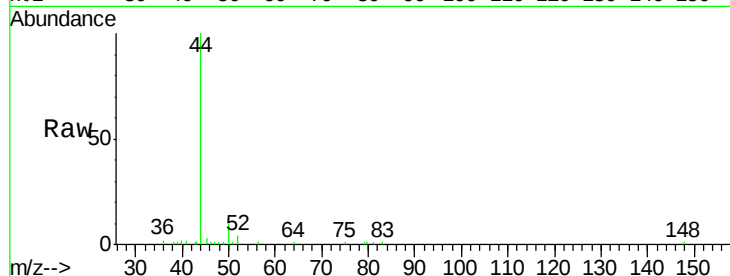
ClientSampleId :

Tot Ion: 50 Resp: 1046

Ion Ratio Lower Upper

50 100

52 40.7 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003231.D

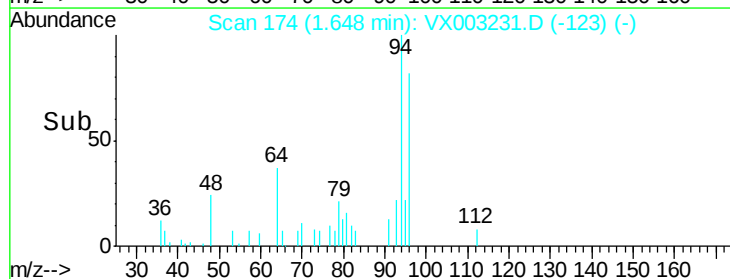
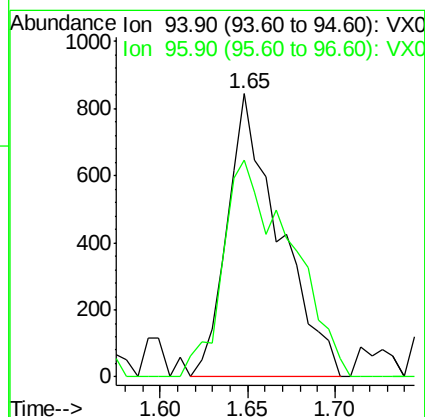
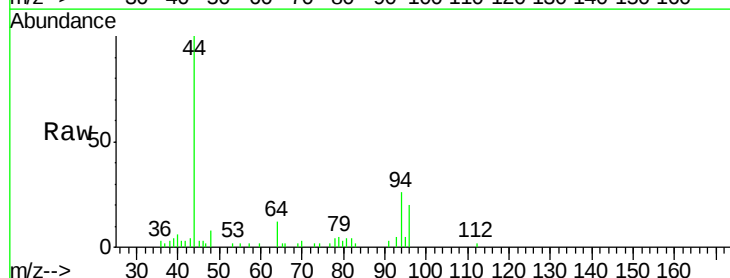
Acq: 06 Jul 2018 23:47

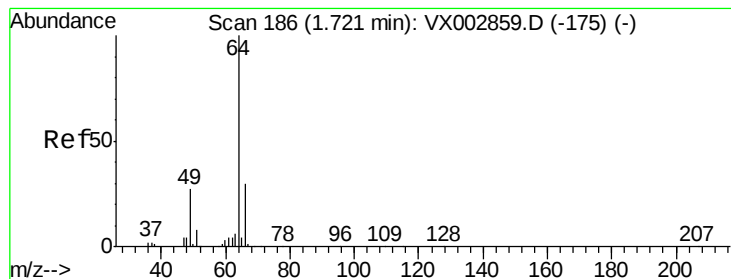
Tgt Ion: 94 Resp: 1758

Ion Ratio Lower Upper

94 100

96 70.0 74.9 112.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

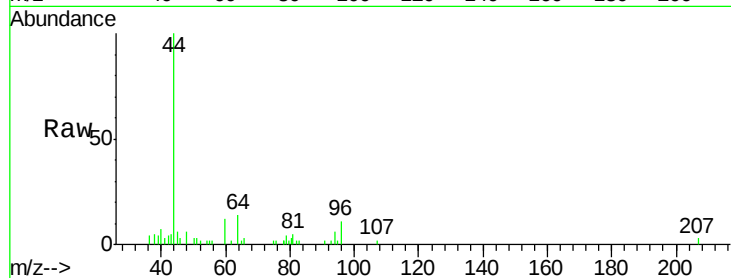
ClientSampleId :

Tot Ion: 64 Resp: 55

Ion Ratio Lower Upper

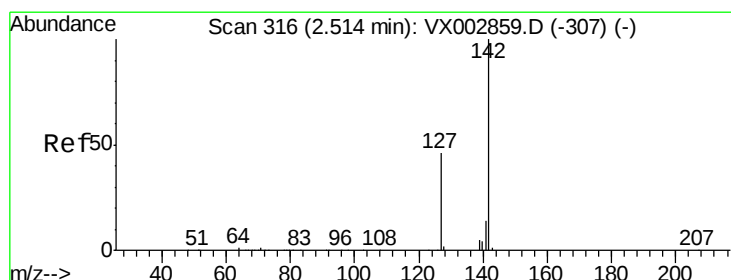
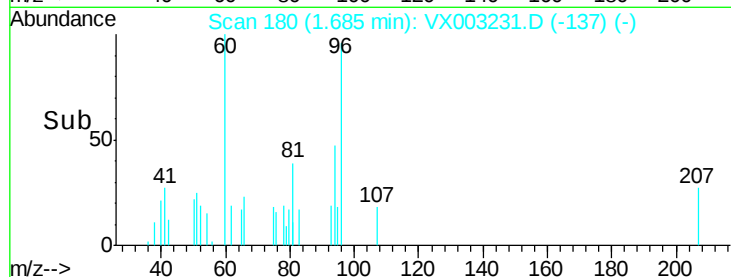
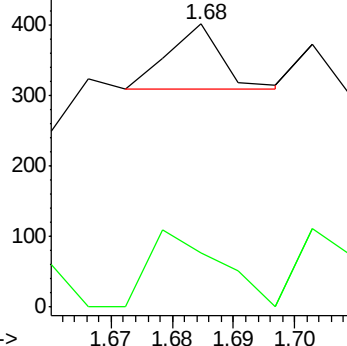
64 100

66 83.7 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.77 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

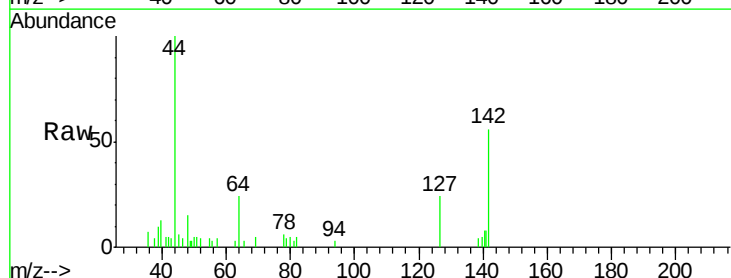
Tgt Ion: 142 Resp: 2115

Ion Ratio Lower Upper

142 100

127 40.9 36.6 55.0

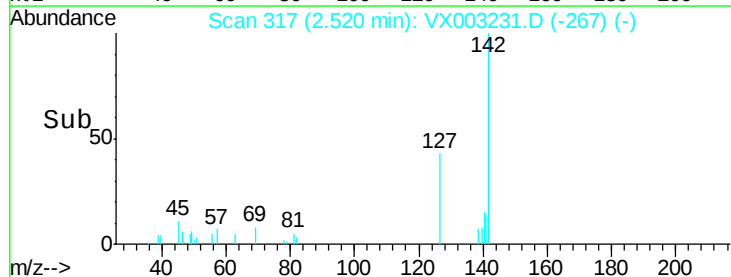
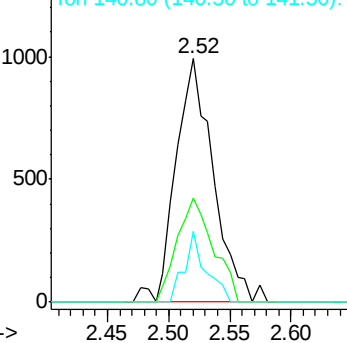
141 16.5 11.3 16.9

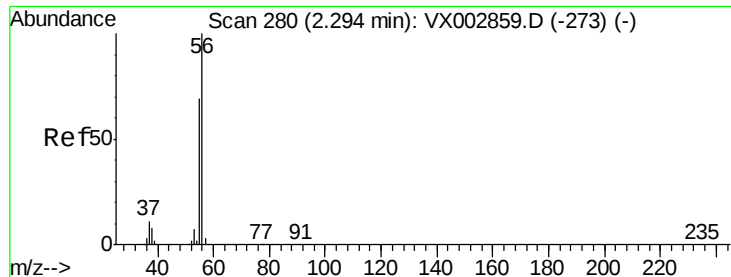


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 4.61 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

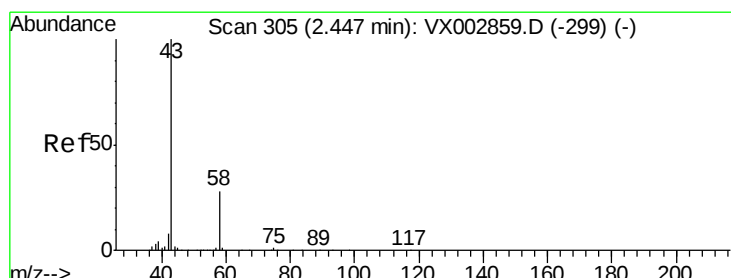
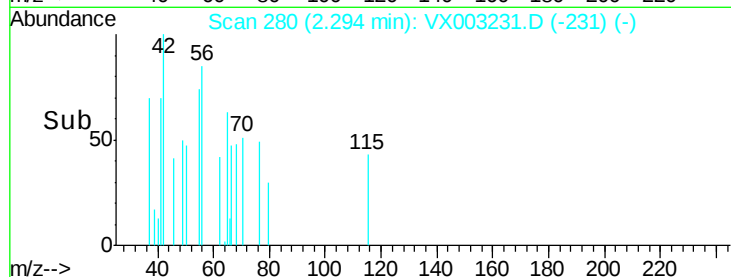
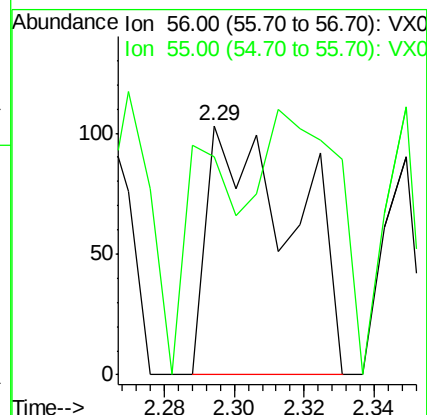
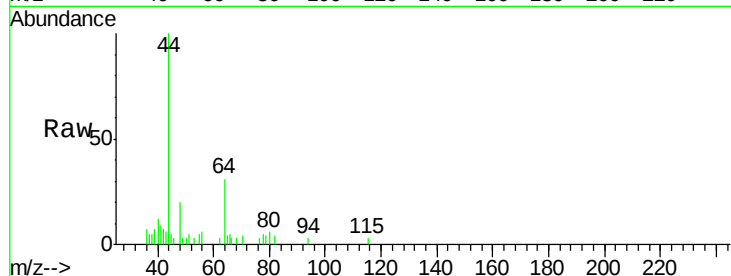
ClientSampled :

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 52.0 57.0 85.4#



#16

Acetone

Concen: 4.18 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003231.D

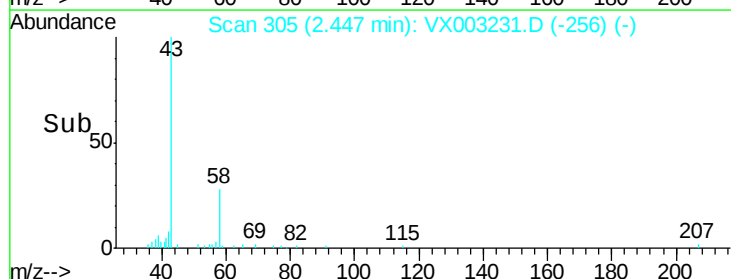
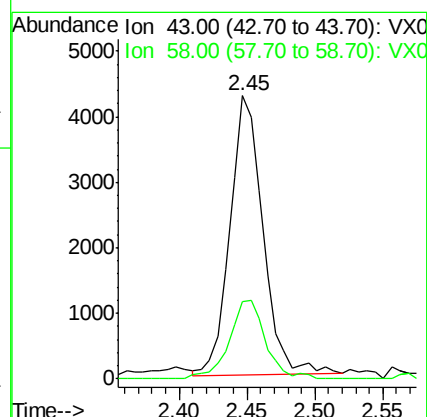
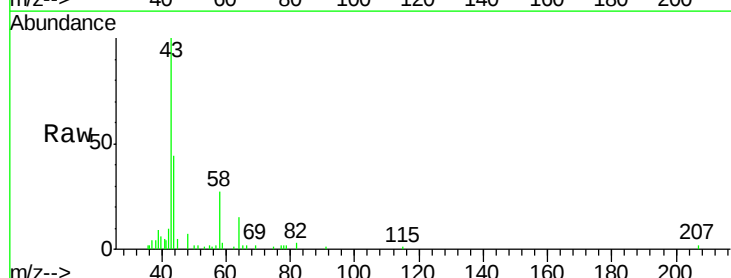
Acq: 06 Jul 2018 23:47

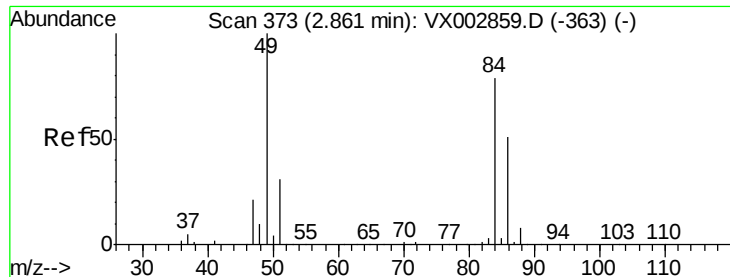
Tgt Ion: 43 Resp: 7227

Ion Ratio Lower Upper

43 100

58 27.7 22.1 33.1

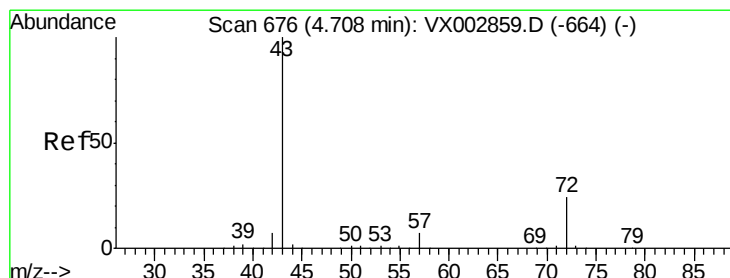
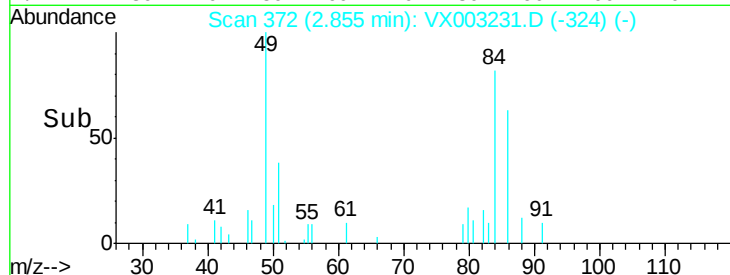
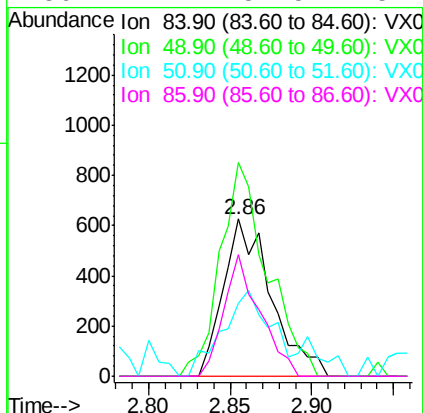
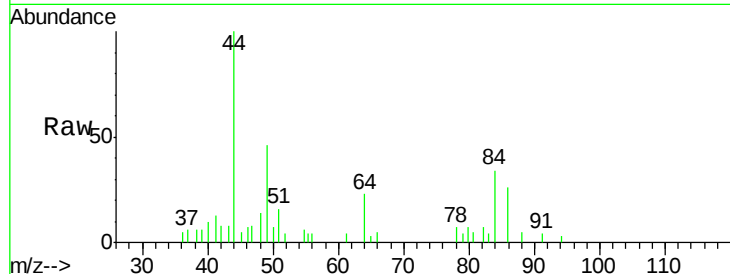




#20
Methvlene Chloride
Concen: 0.38 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003231.D
Acq: 06 Jul 2018 23:47

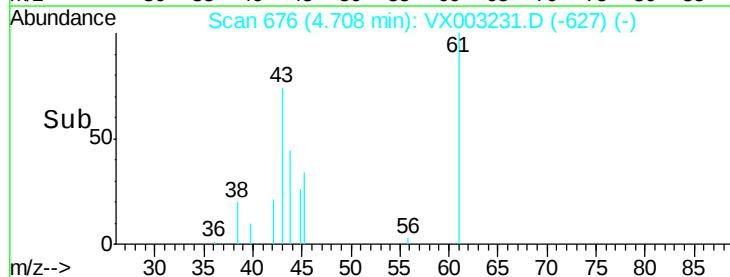
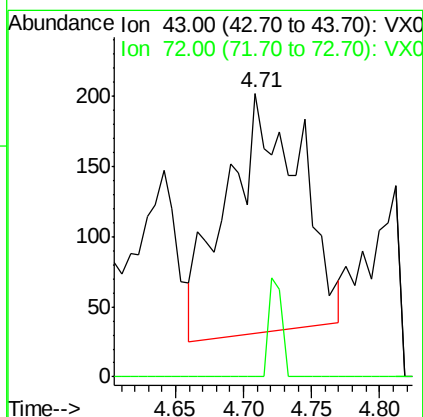
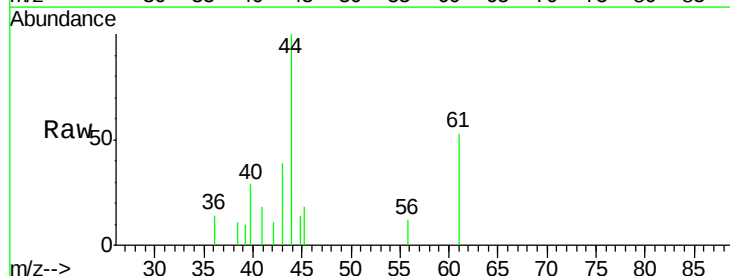
Instrument :
MSVOA_X
ClientSampled :

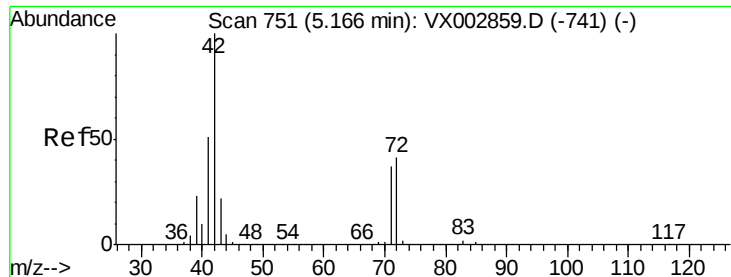
Tot Ion: 84 Resp: 1276
Ion Ratio Lower Upper
84 100
49 135.9 107.8 161.6
51 46.3 32.8 49.2
86 77.2 52.5 78.7



#25
2-Butanone
Concen: 0.25 ug/l
RT: 4.71 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX003231.D
Acq: 06 Jul 2018 23:47

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

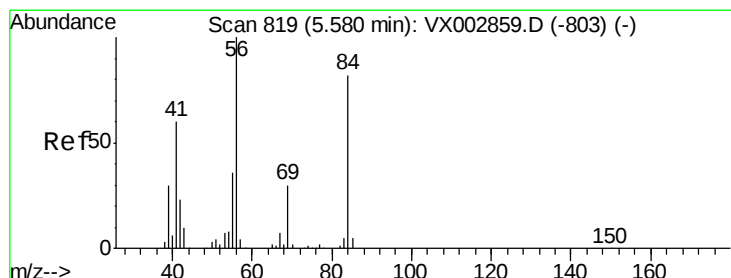
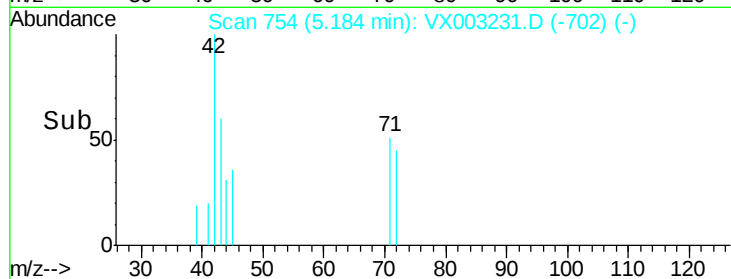
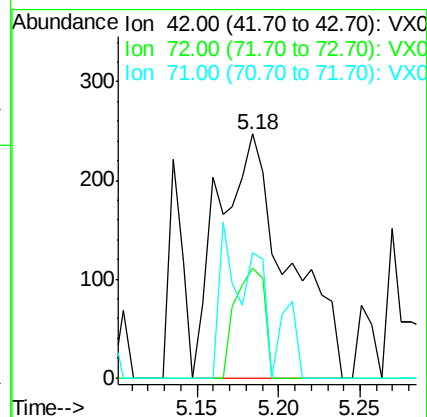
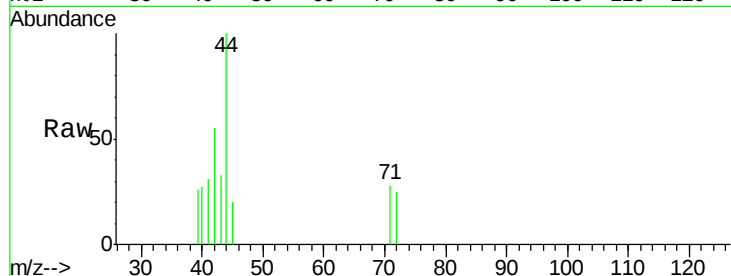
Tot Ion: 42 Resp: 729

Ion Ratio Lower Upper

42 100

72 18.9 32.0 48.0#

71 16.3 30.1 45.1#



#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

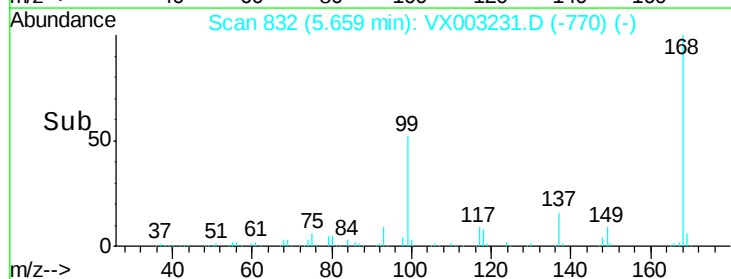
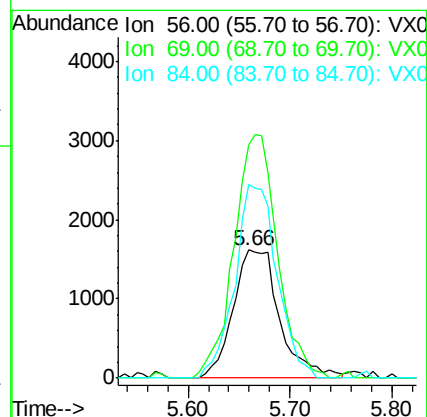
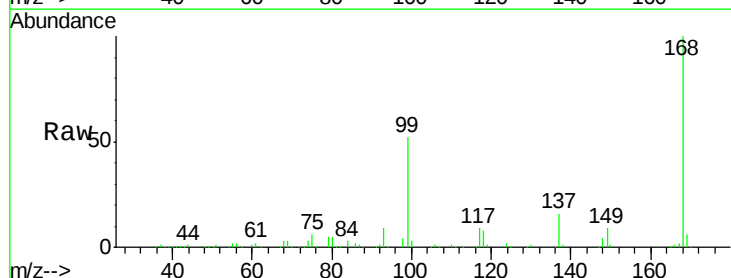
Tgt Ion: 56 Resp: 5147

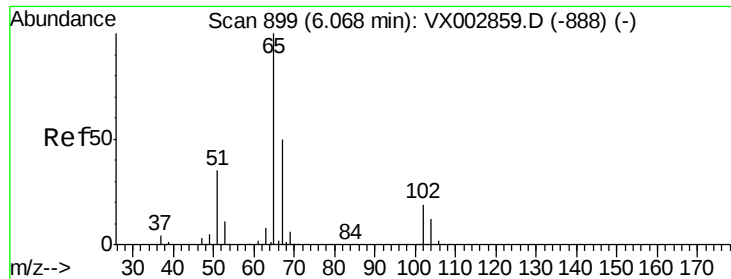
Ion Ratio Lower Upper

56 100

69 182.4 23.7 35.5#

84 150.9 64.1 96.1#

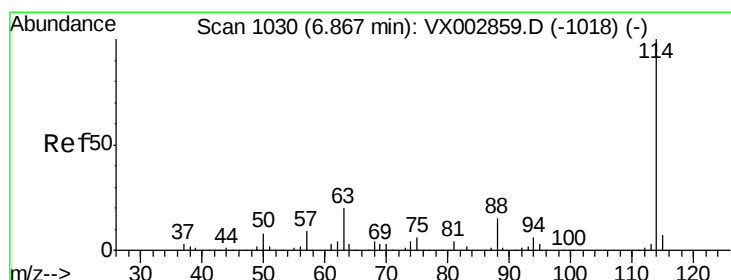
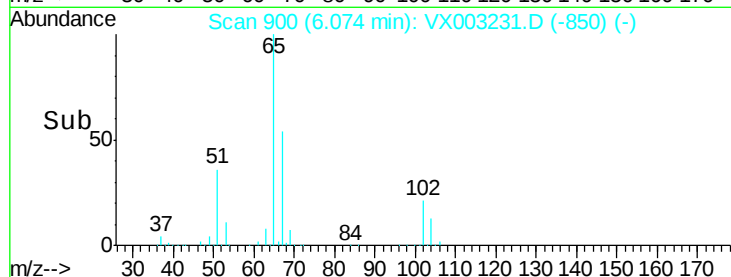
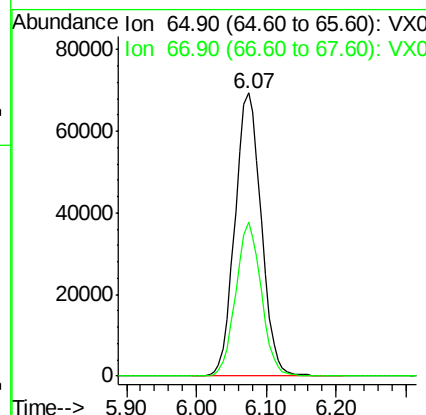
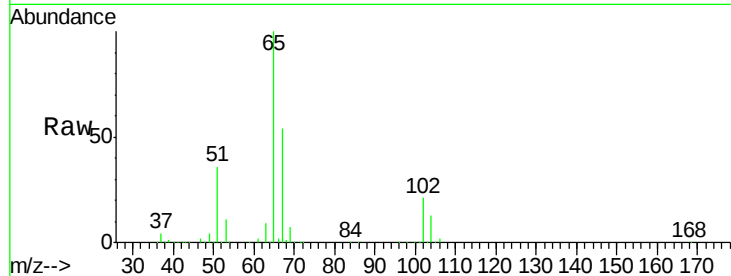




#33
 1,2-Dichloroethane-d4
 Concen: 43.47 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003231.D
 Acq: 06 Jul 2018 23:47

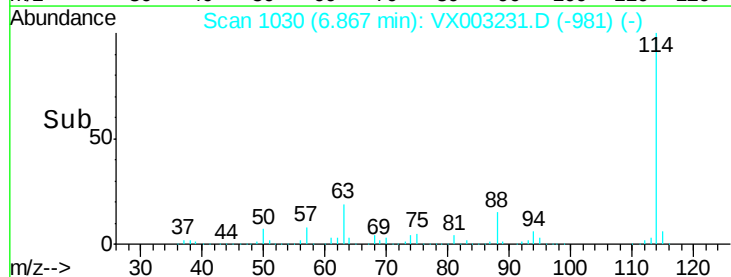
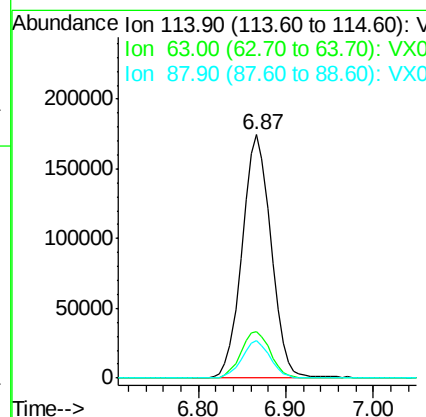
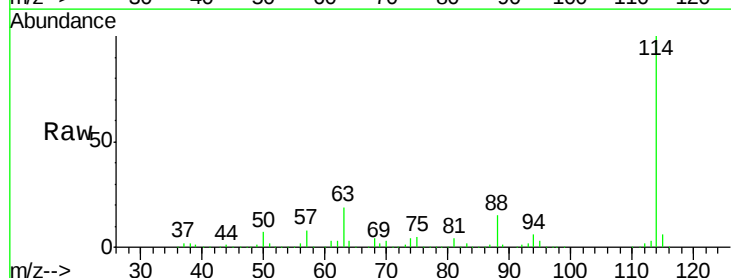
Instrument :
 MSVOA_X
 ClientSampleId :

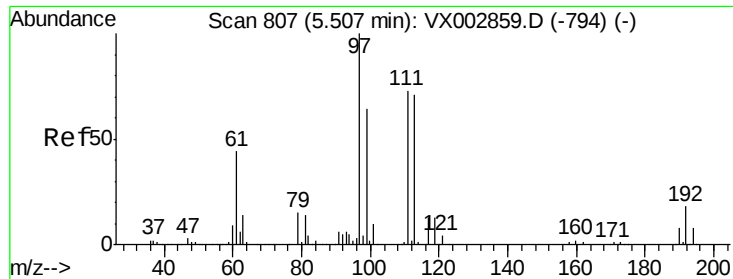
Tot Ion: 65 Resp: 181418
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003231.D
 Acq: 06 Jul 2018 23:47

Tgt Ion: 114 Resp: 402696
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.48 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

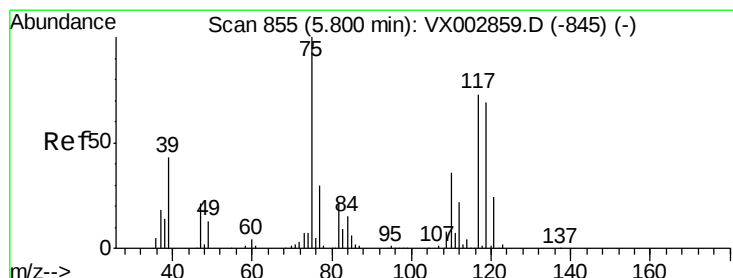
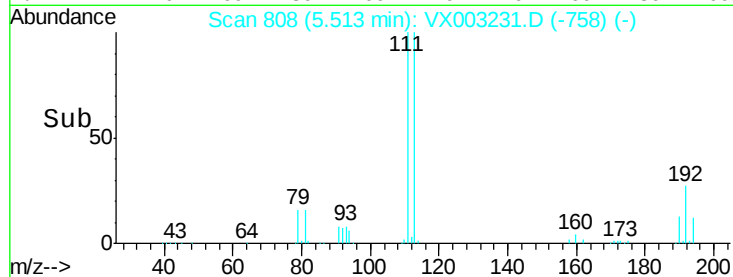
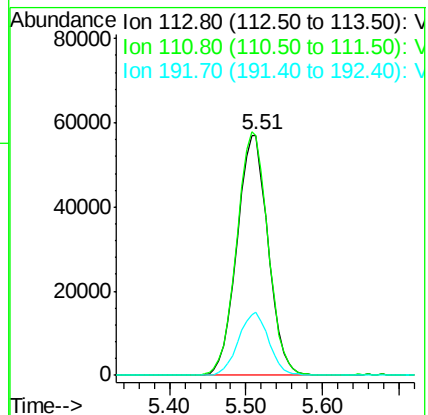
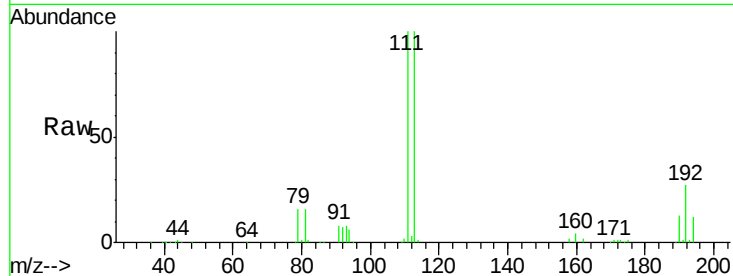
Tot Ion:113 Resp: 160988

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 25.7 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.30 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

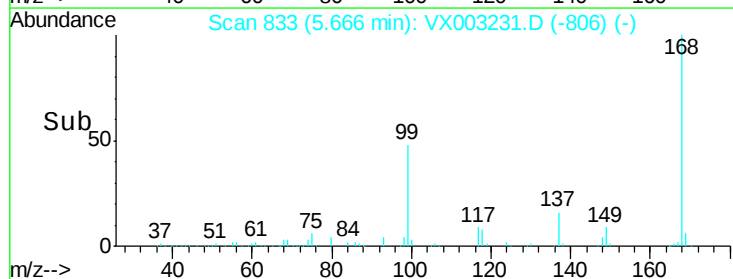
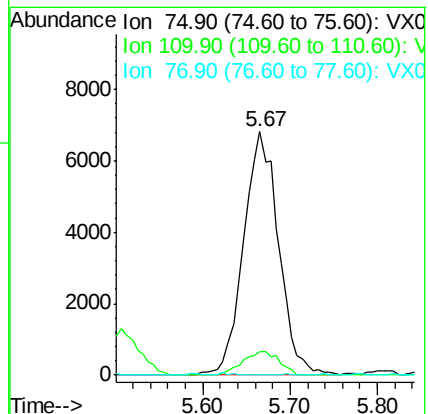
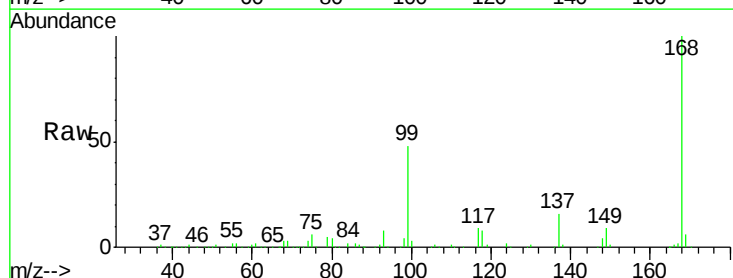
Tgt Ion: 75 Resp: 19010

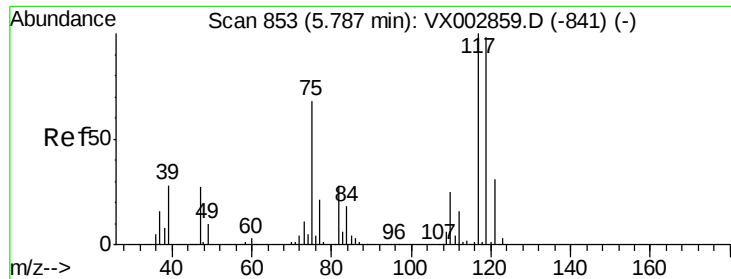
Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.41 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

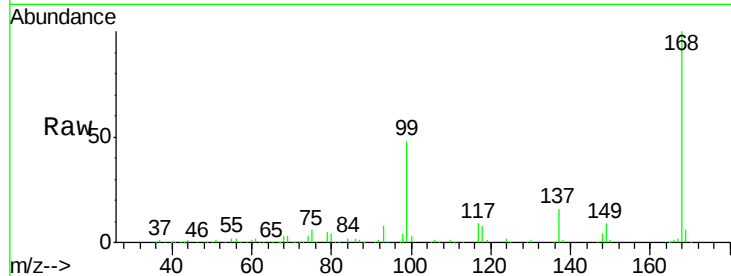
Tot Ion:117 Resp: 26207

Ion Ratio Lower Upper

117 100

119 7.1 77.4 116.0#

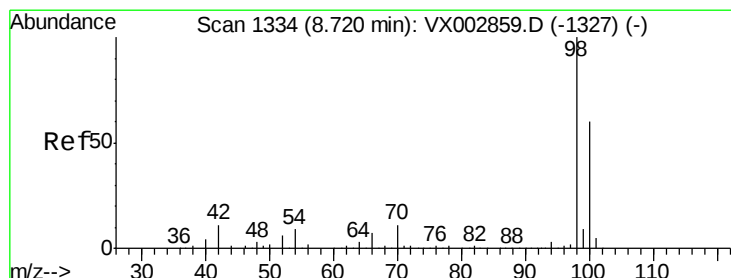
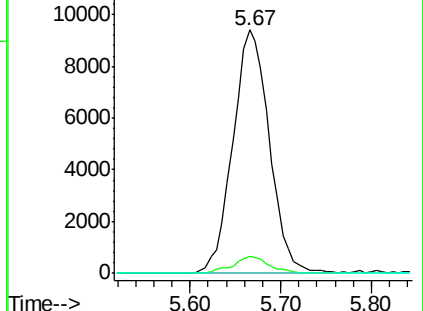
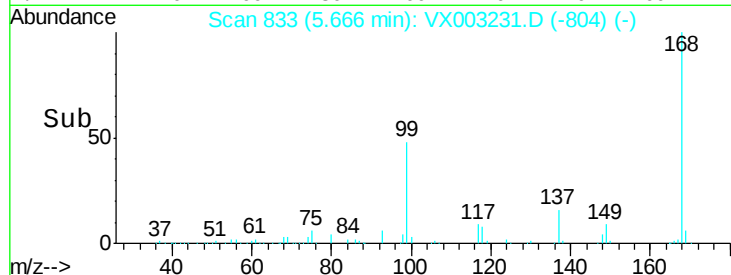
121 0.0 24.4 36.6#



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: 47.50 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003231.D

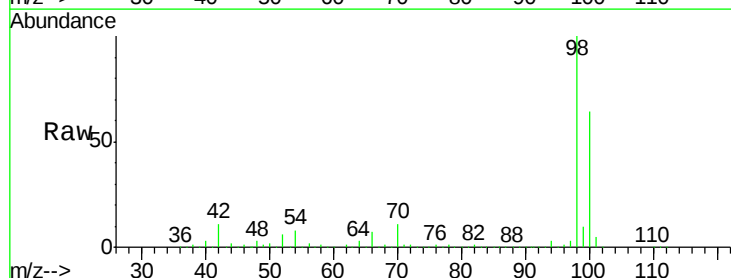
Acq: 06 Jul 2018 23:47

Tgt Ion: 98 Resp: 553118

Ion Ratio Lower Upper

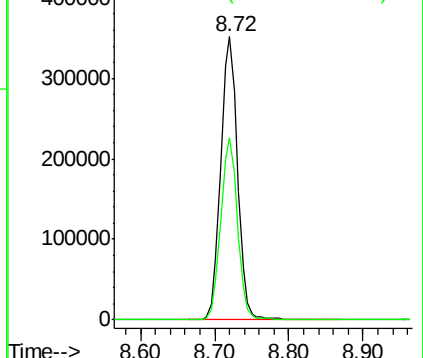
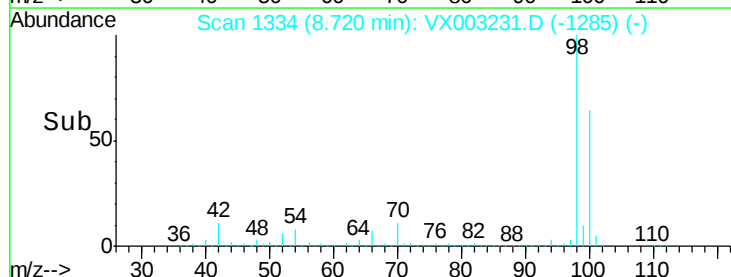
98 100

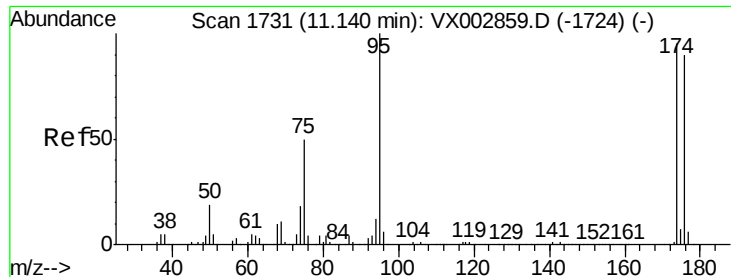
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

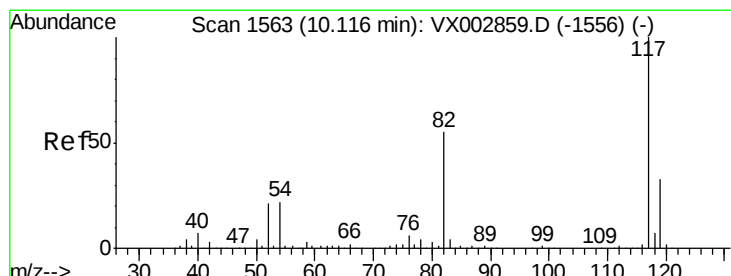
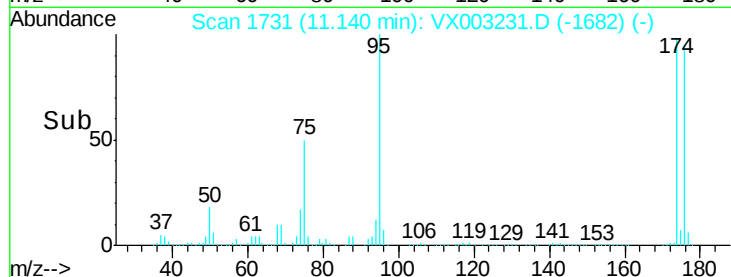
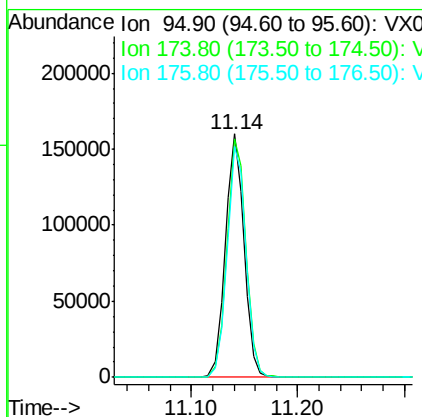
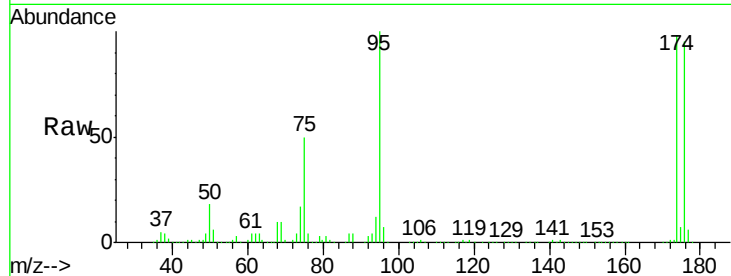




#62
4-Bromofluorobenzene
Concen: 43.57 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003231.D
Acq: 06 Jul 2018 23:47

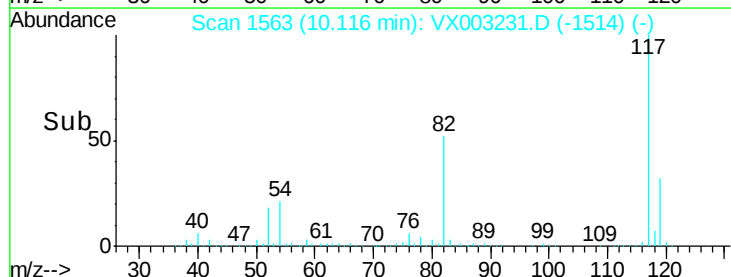
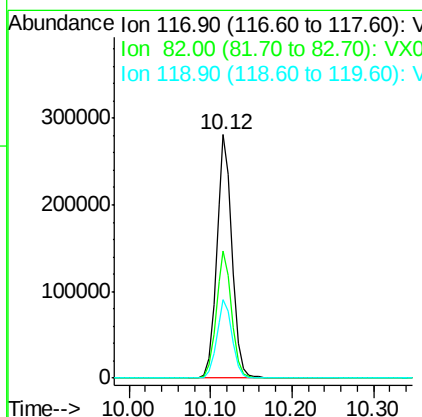
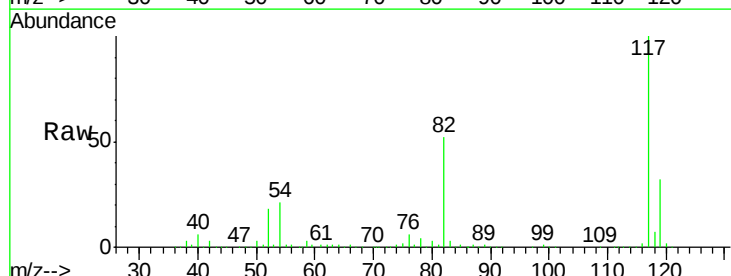
Instrument :
MSVOA_X
ClientSampleId :

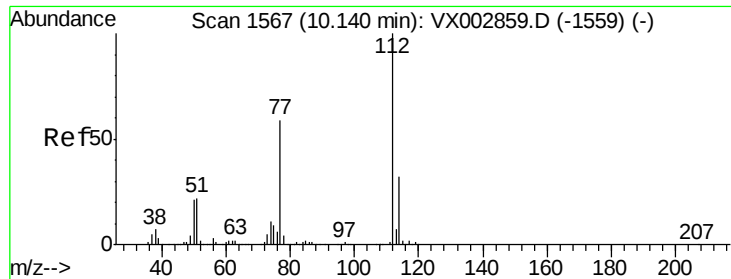
Tot Ion: 95 Resp: 195697
Ion Ratio Lower Upper
95 100
174 100.1 0.0 187.4
176 96.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003231.D
Acq: 06 Jul 2018 23:47

Tgt Ion: 117 Resp: 370363
Ion Ratio Lower Upper
117 100
82 52.3 45.0 67.4
119 32.0 25.8 38.6





#65

Chlorobenzene

Concen: 0.53 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

Instrument :

MSVOA_X

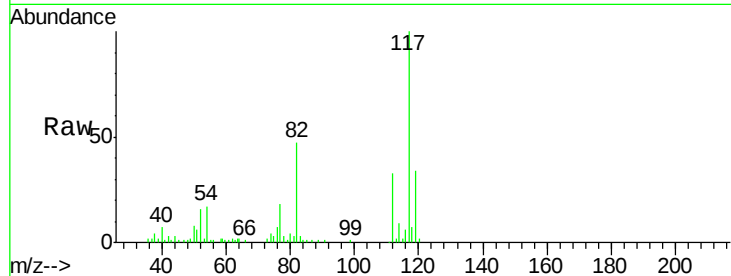
ClientSampleId :

Tot Ion:112 Resp: 5022

Ion Ratio Lower Upper

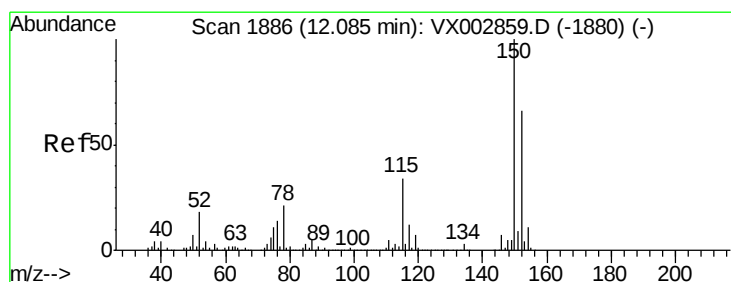
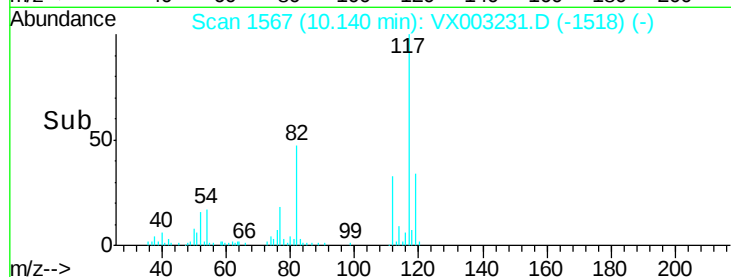
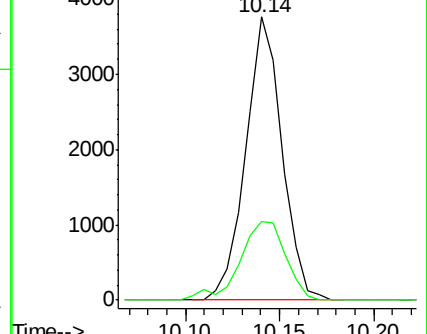
112 100

114 27.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003231.D

Acq: 06 Jul 2018 23:47

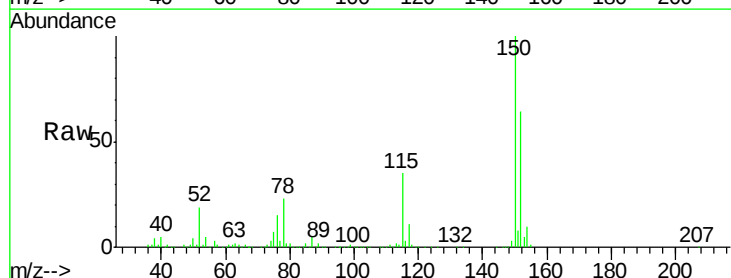
Tgt Ion:152 Resp: 210418

Ion Ratio Lower Upper

152 100

115 53.3 40.1 120.2

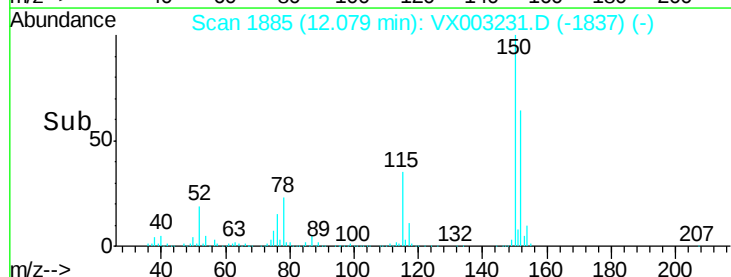
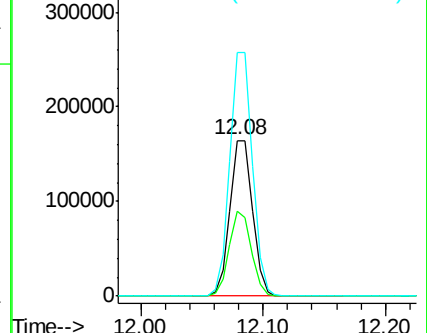
150 156.3 0.0 347.2

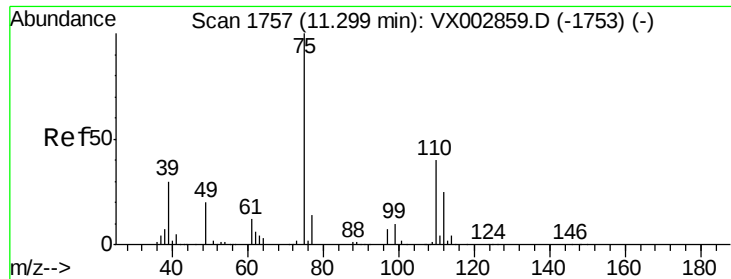


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

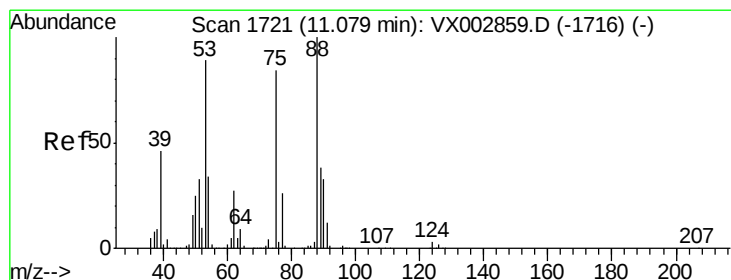
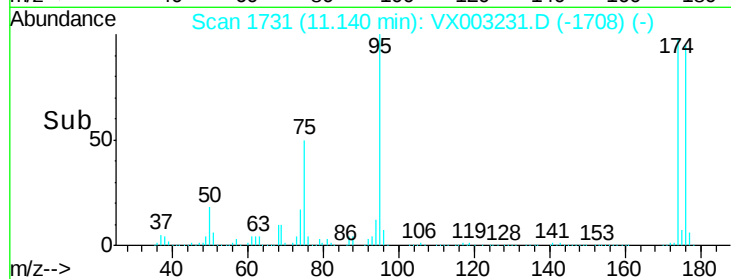
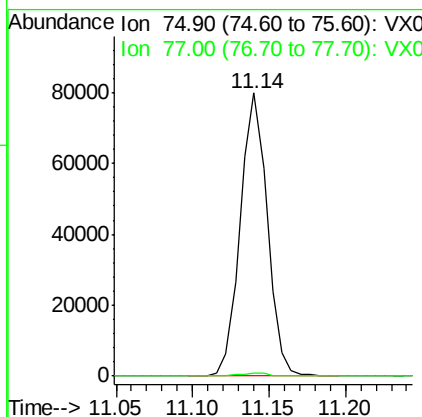
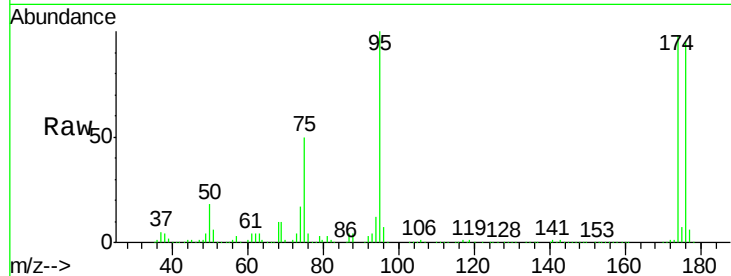




#76
 1,2,3-Trichloropropane
 Concen: 25.68 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003231.D
 Acq: 06 Jul 2018 23:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 97873
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.86 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003231.D
 Acq: 06 Jul 2018 23:47

Tgt Ion: 75 Resp: 97873
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

