

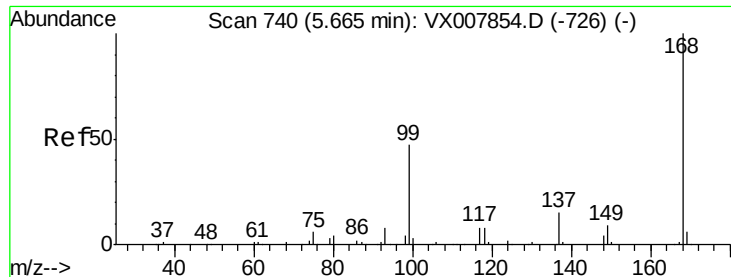
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
 Data File : VX007899.D
 Acq On : 07 Mar 2019 22:57
 Operator : JC/SP
 Sample : VX0307WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBL02

Quant Time: Mar 08 04:48:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	439796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	419694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203058	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155849	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
35) Dibromofluoromethane	5.51	113	142719	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	
50) Toluene-d8	8.71	98	539486	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.13	95	199618	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	702	Below Cal		82
6) Chloroethane	1.56	64	16154	7.827 ug/l #		56
11) Tert butyl alcohol	3.02	59	1937	2.891 ug/l #		75
13) Acrolein	2.31	56	97	1.796 ug/l		90
16) Acetone	2.45	43	606	0.350 ug/l #		78
17) Carbon Disulfide	2.57	76	1796	Below Cal #		86
18) Methyl Acetate	2.78	43	762	0.207 ug/l		96
31) Cyclohexane	5.66	56	4600	0.999 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	17718	4.449 ug/l #		49
38) Carbon Tetrachloride	5.67	117	24369	6.446 ug/l #		17
51) 4-Methyl-2-Pentanone	8.71	43	2191	0.487 ug/l #		1
76) 1,2,3-Trichloropropane	11.13	75	92060	21.605 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	92060	69.061 ug/l #		11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007899.D

Acq: 07 Mar 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

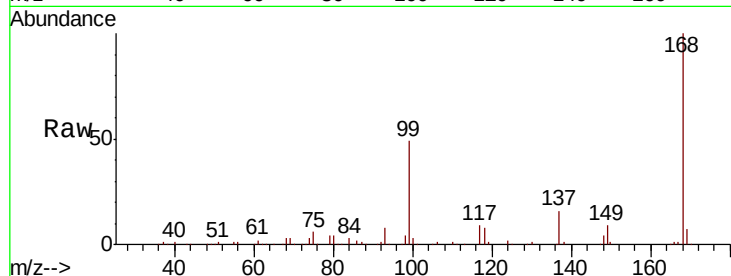
VX0307WBL02

Tgt Ion:168 Resp: 283970

Ion Ratio Lower Upper

168 100

99 49.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

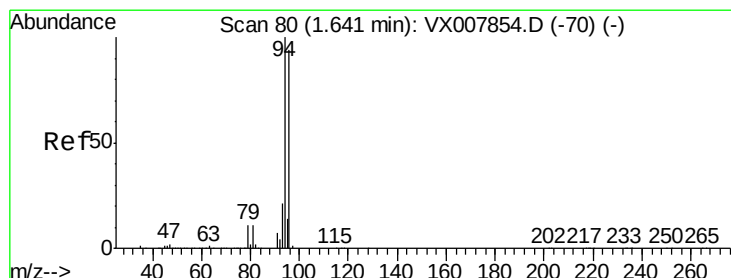
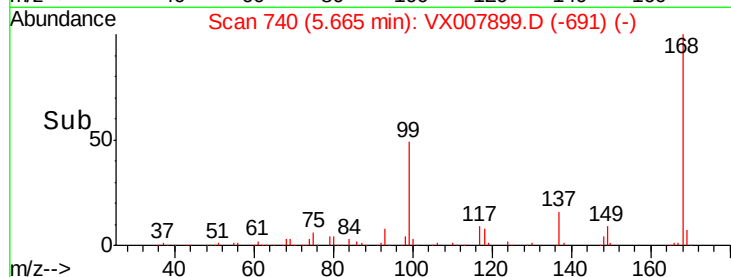
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007899.D

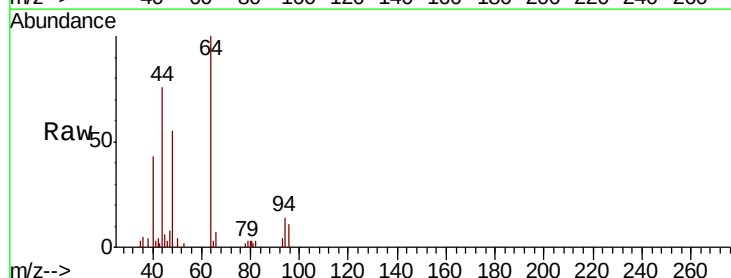
Acq: 07 Mar 2019 22:57

Tgt Ion: 94 Resp: 702

Ion Ratio Lower Upper

94 100

96 76.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

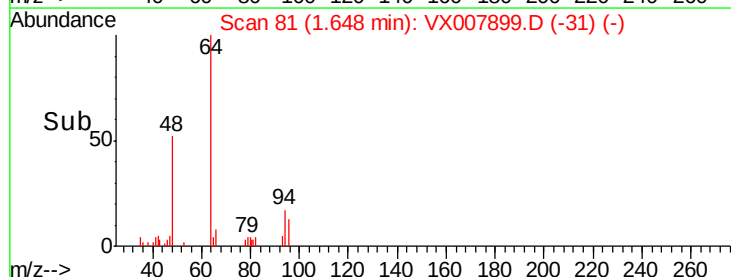
200

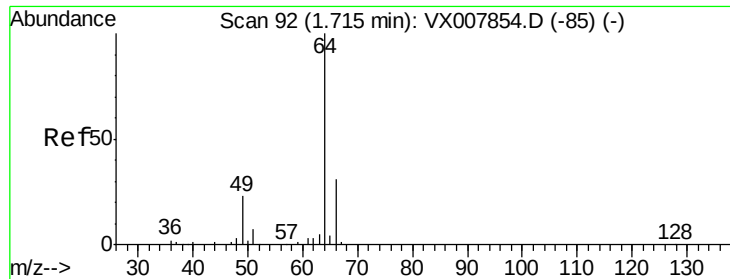
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 7.827 ug/l

RT: 1.56 min Scan# 67

Delta R.T. -0.15 min

Lab File: VX007899.D

Acq: 07 Mar 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

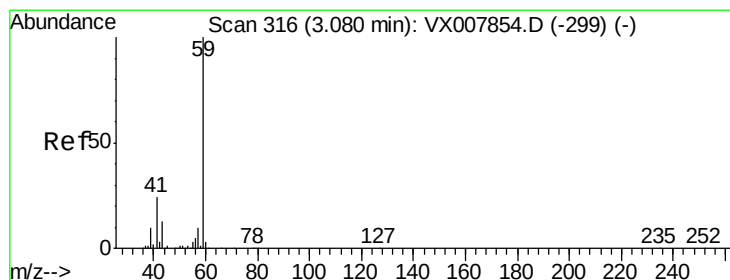
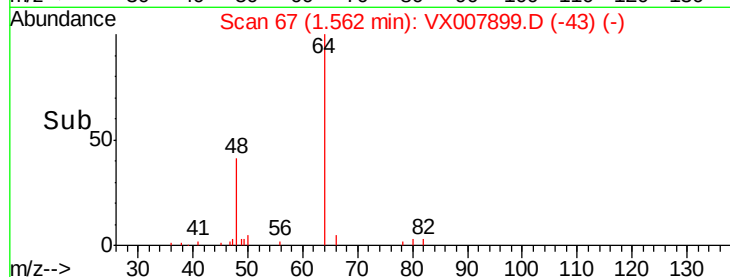
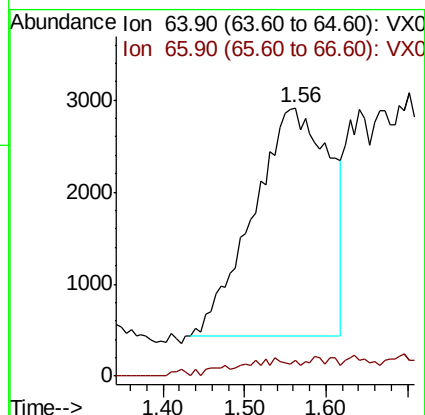
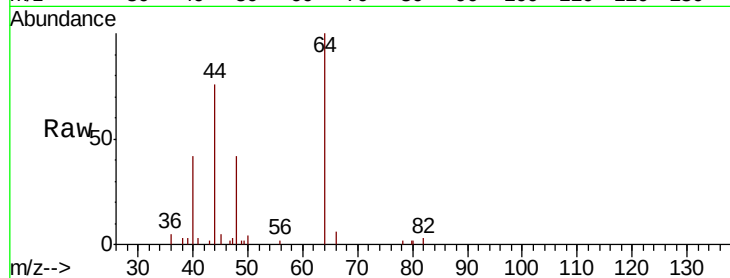
VX0307WBL02

Tgt Ion: 64 Resp: 16154

Ion Ratio Lower Upper

64 100

66 6.9 25.2 37.8#



#11

Tert butyl alcohol

Concen: 2.891 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007899.D

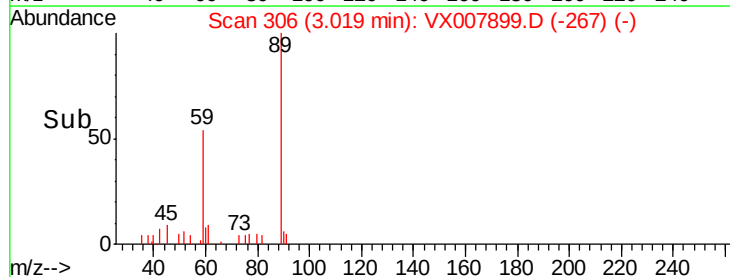
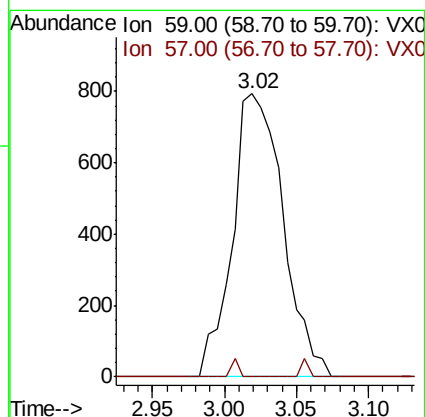
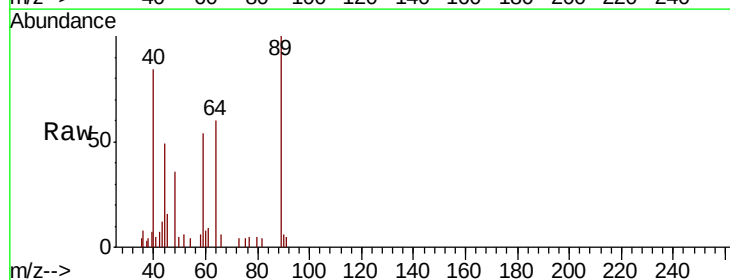
Acq: 07 Mar 2019 22:57

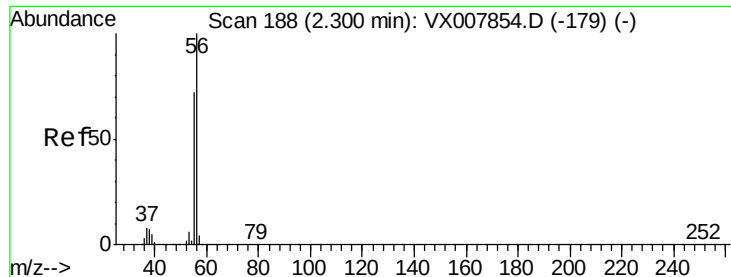
Tgt Ion: 59 Resp: 1937

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.2#





#13

Acrolein

Concen: 1.796 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007899.D

Acq: 07 Mar 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

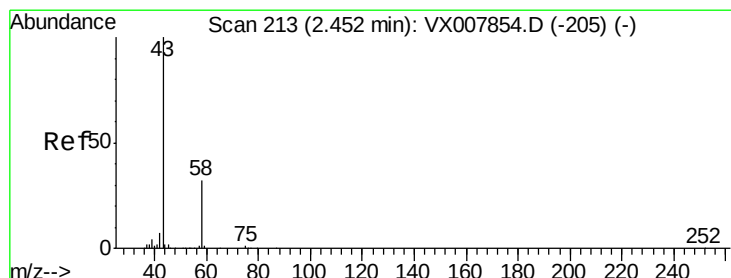
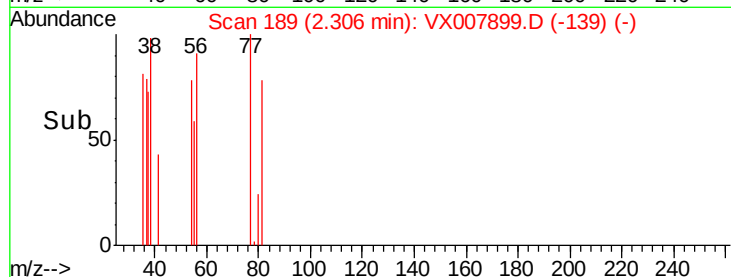
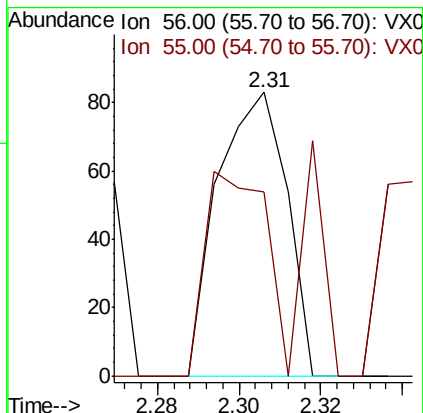
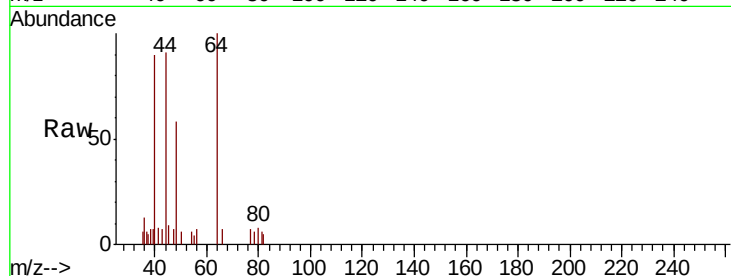
VX0307WBL02

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 63.9 57.8 86.6



#16

Acetone

Concen: 0.350 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007899.D

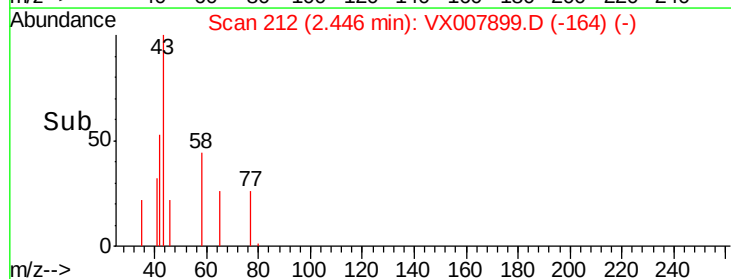
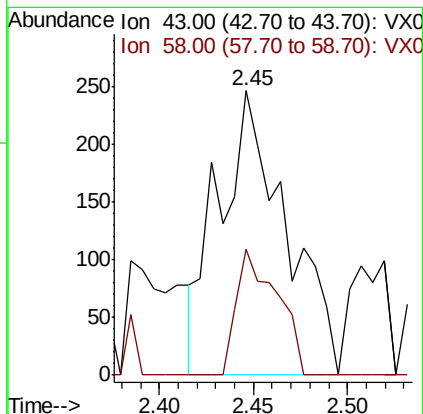
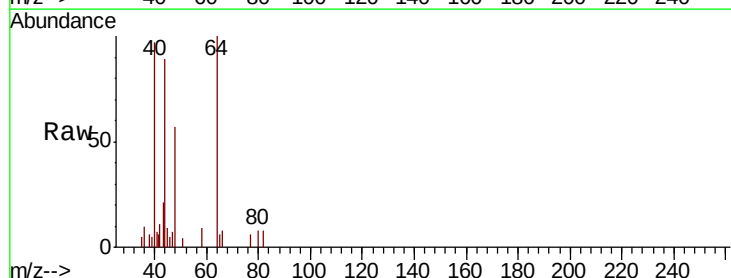
Acq: 07 Mar 2019 22:57

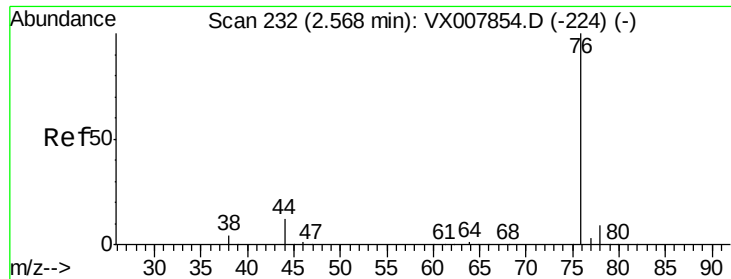
Tgt Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

58 44.3 25.5 38.3#

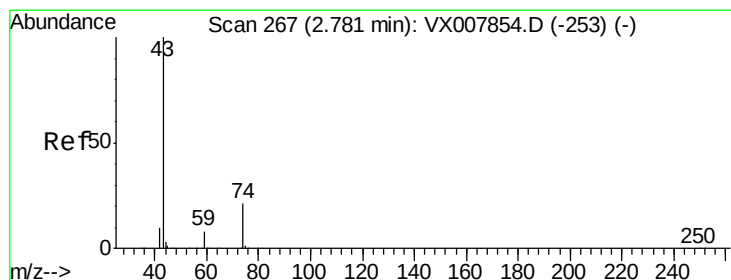
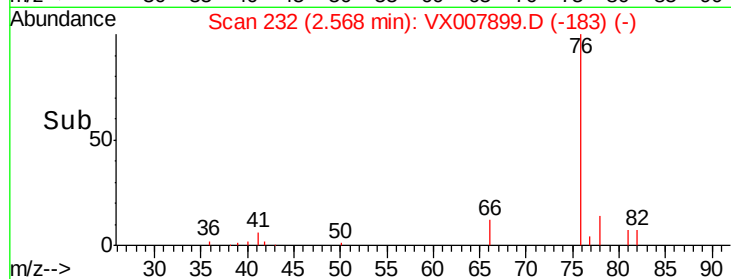
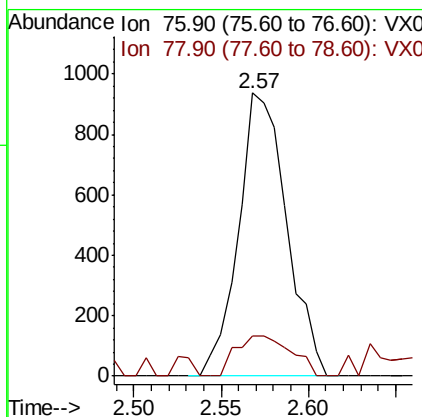
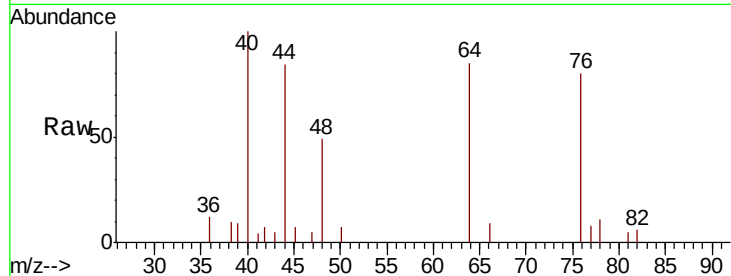




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

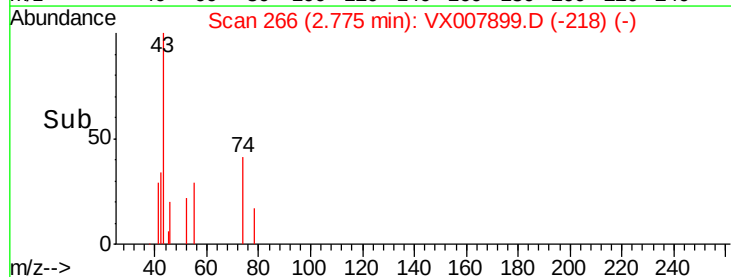
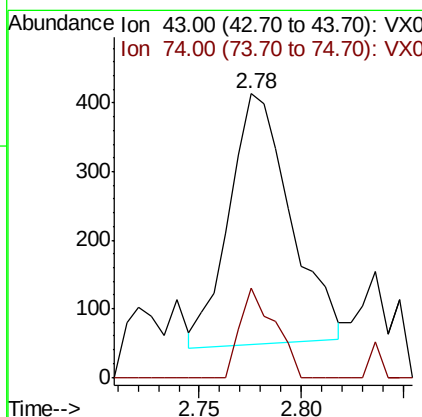
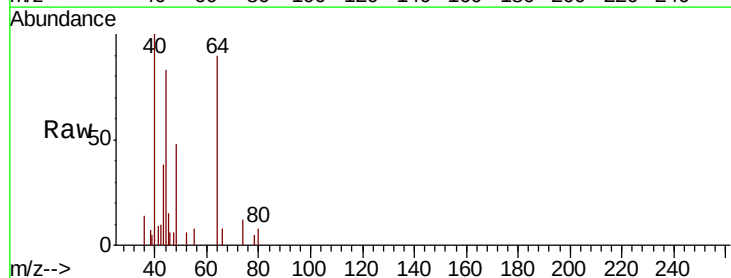
Instrument :
MSVOA_X
ClientSampleId :
VX0307WBL02

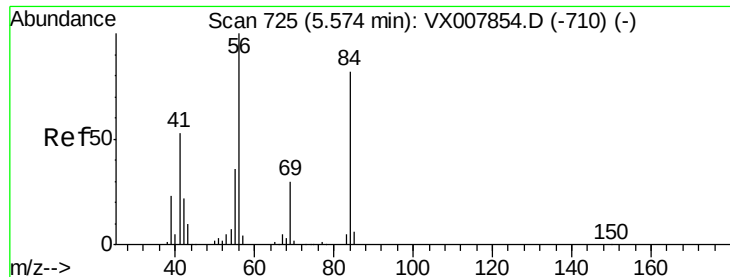
Tgt Ion: 76 Resp: 1796
Ion Ratio Lower Upper
76 100
78 14.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
74 20.2 17.8 26.6

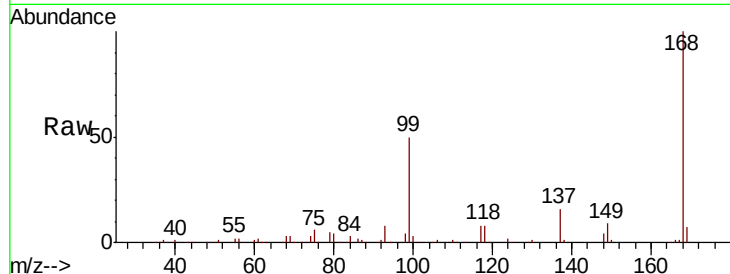




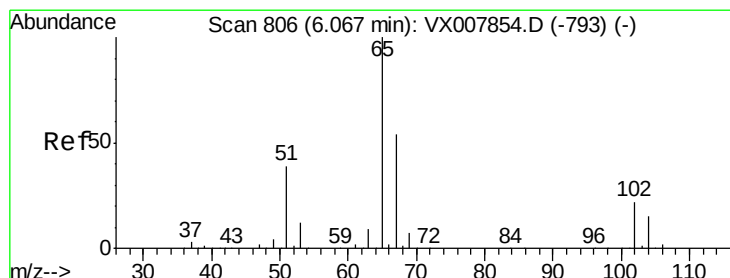
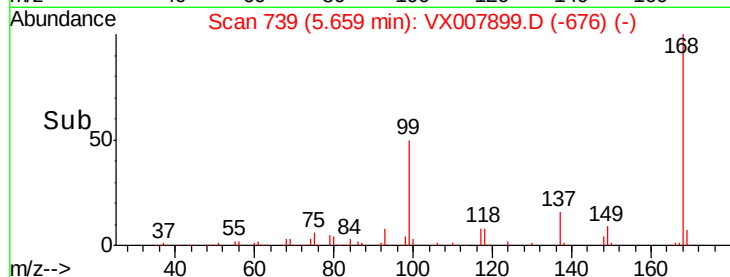
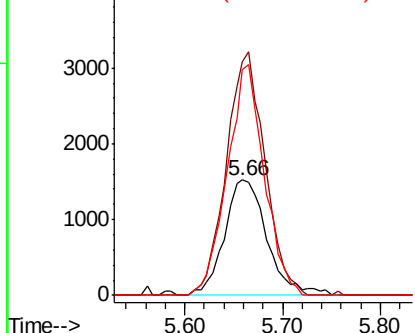
#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBL02

Tgt Ion: 56 Resp: 4600
Ion Ratio Lower Upper
56 100
69 202.0 24.0 36.0#
84 195.2 65.3 97.9#

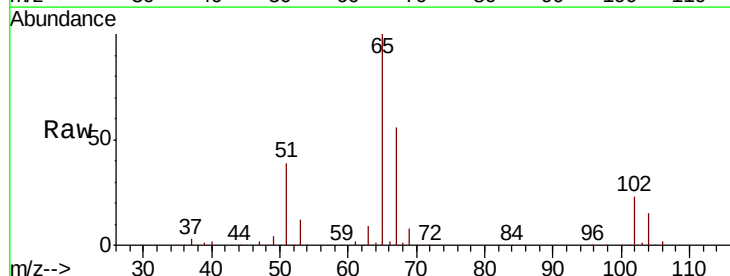


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

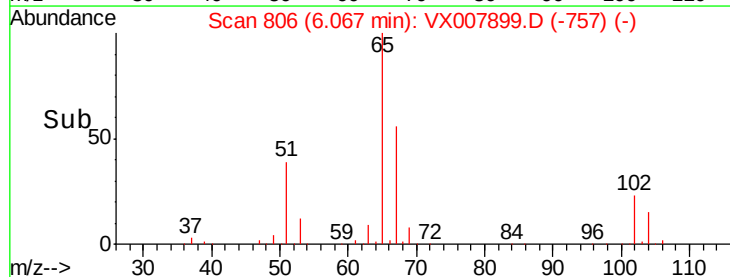
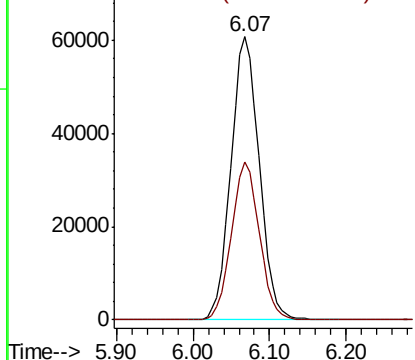


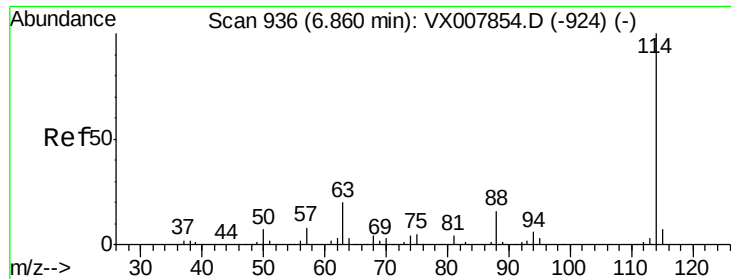
#33
1,2-Dichloroethane-d4
Concen: 52.026 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

Tgt Ion: 65 Resp: 155849
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

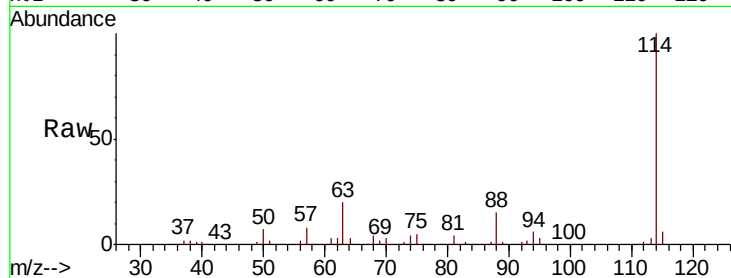




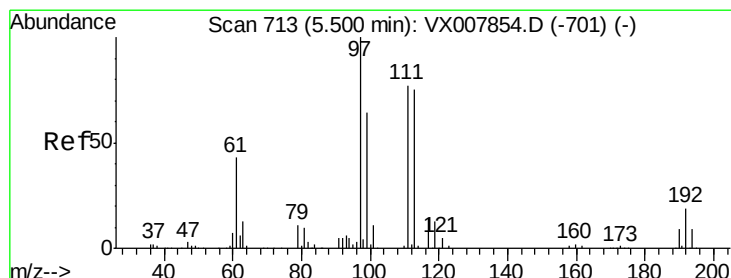
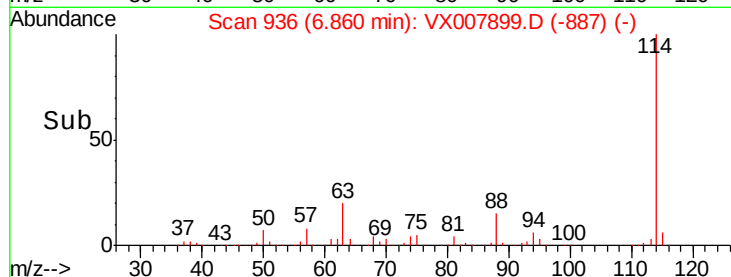
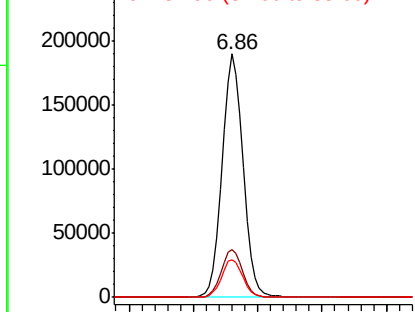
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBL02

Tgt Ion:114 Resp: 439796
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.8
88 15.4 0.0 31.4

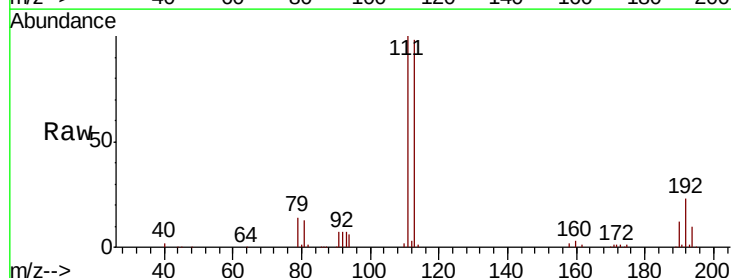


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

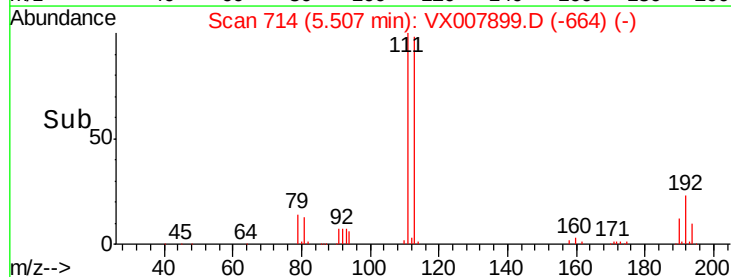
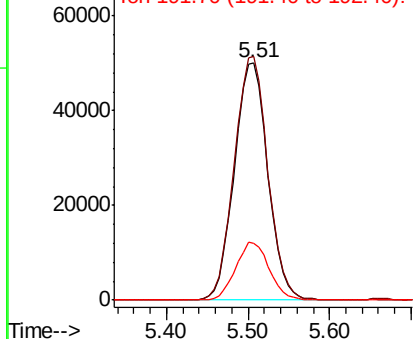


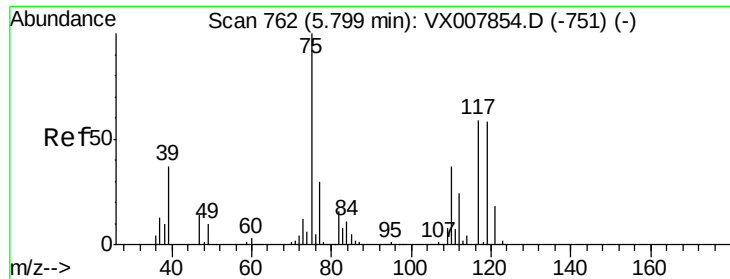
#35
Dibromofluoromethane
Concen: 50.731 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

Tgt Ion:113 Resp: 142719
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 24.4 19.4 29.0



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

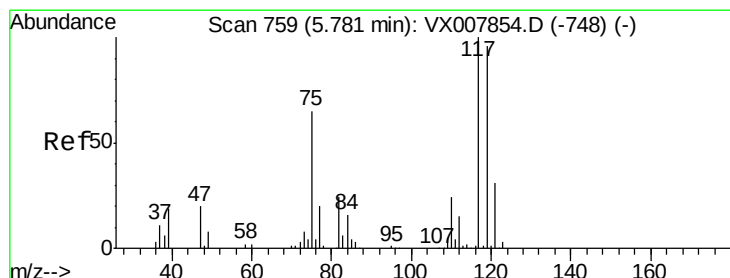
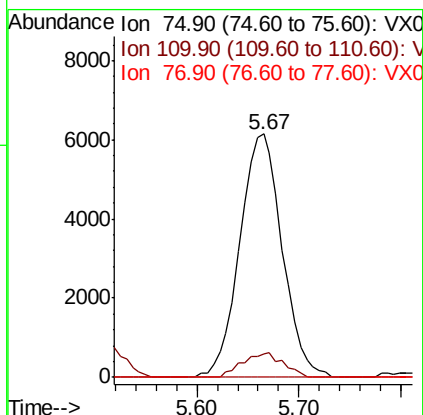
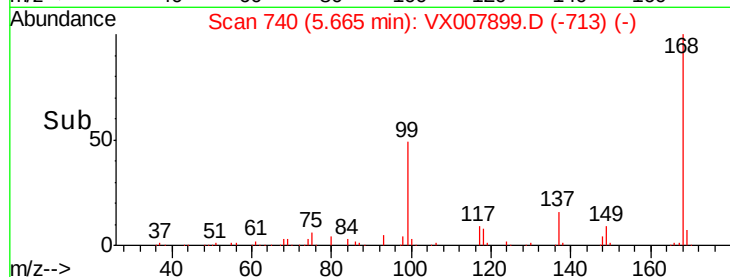
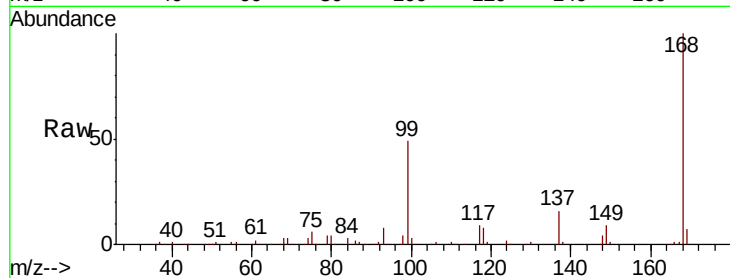




#36
 1,1-Dichloropropene
 Concen: 4.449 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007899.D
 Acq: 07 Mar 2019 22:57

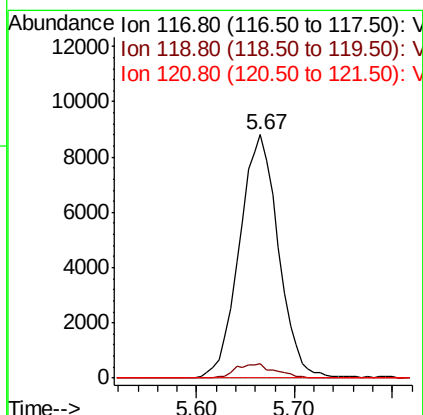
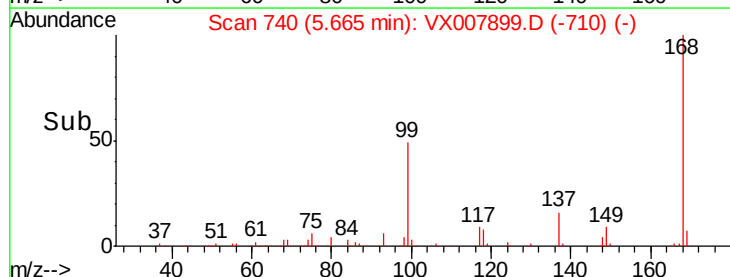
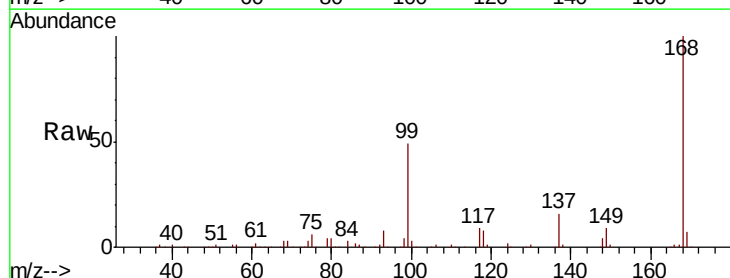
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBL02

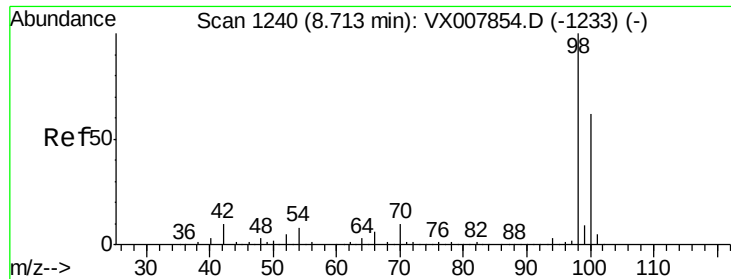
Tgt Ion: 75 Resp: 17718
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.4 55.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.446 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007899.D
 Acq: 07 Mar 2019 22:57

Tgt Ion: 117 Resp: 24369
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.2 114.2#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 52.216 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007899.D

Acq: 07 Mar 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

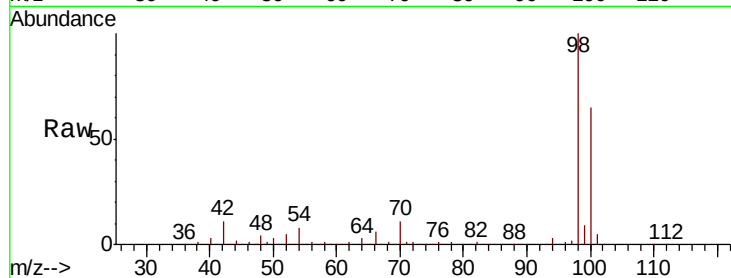
VX0307WBL02

Tgt Ion: 98 Resp: 539486

Ion Ratio Lower Upper

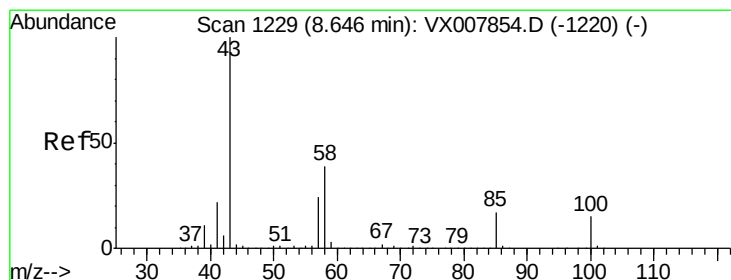
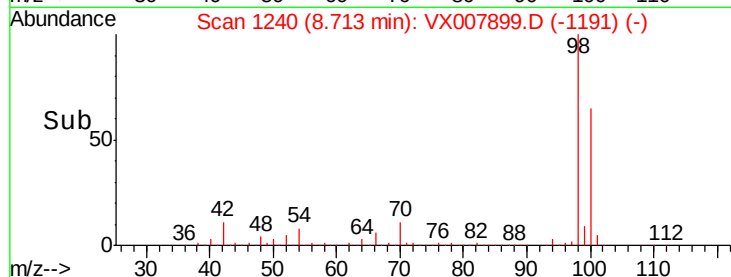
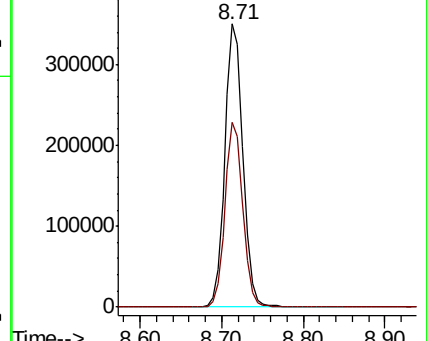
98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.487 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX007899.D

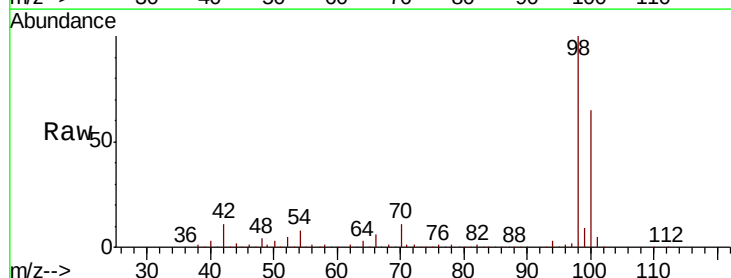
Acq: 07 Mar 2019 22:57

Tgt Ion: 43 Resp: 2191

Ion Ratio Lower Upper

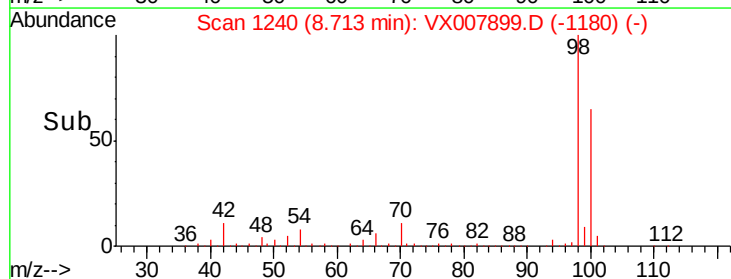
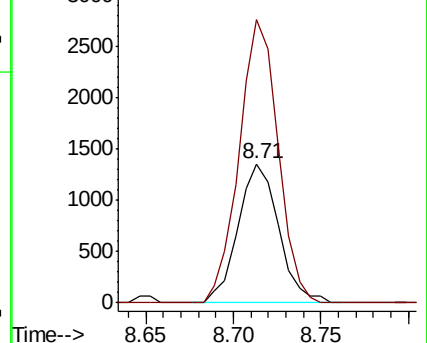
43 100

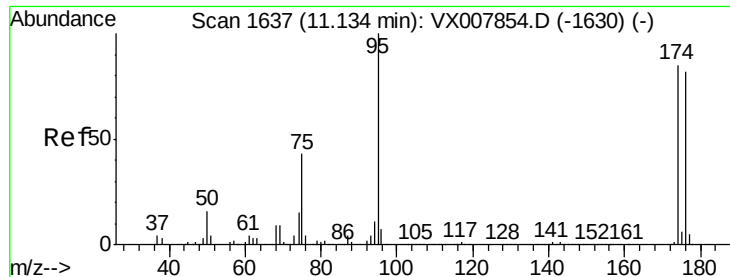
58 195.4 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

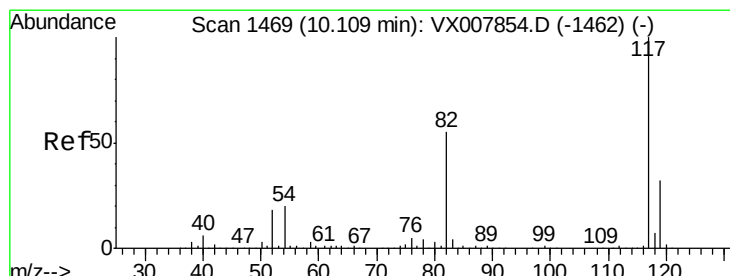
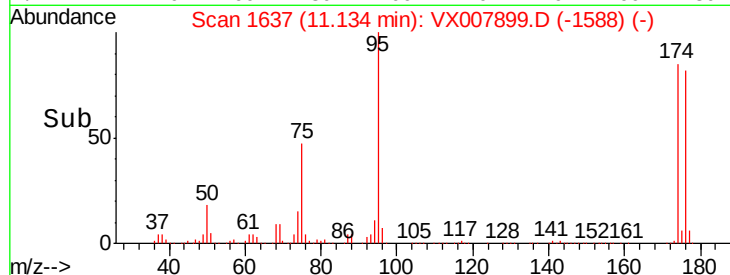
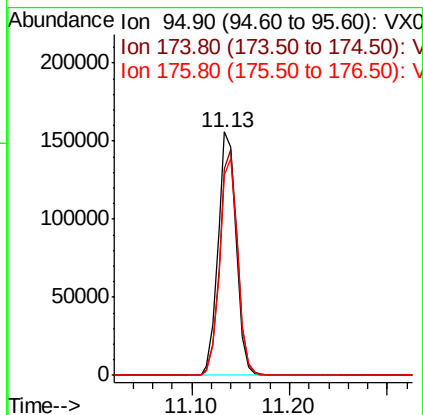
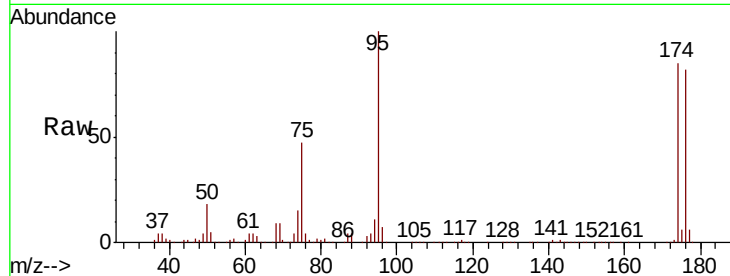




#62
4-Bromofluorobenzene
Concen: 55.108 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

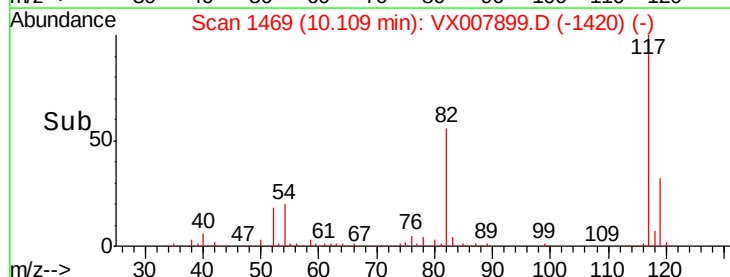
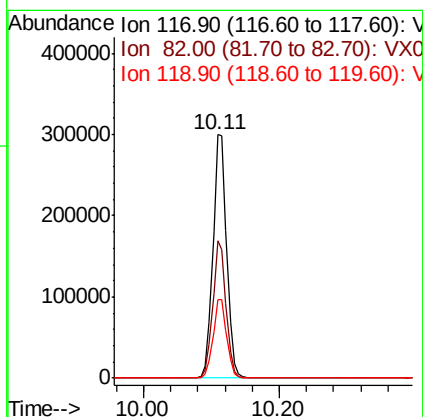
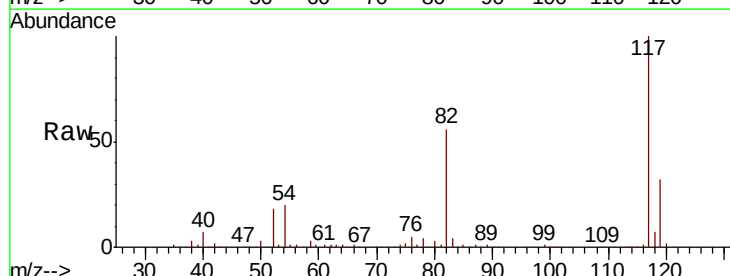
Instrument :
MSVOA_X
ClientSampleId :
VX0307WBL02

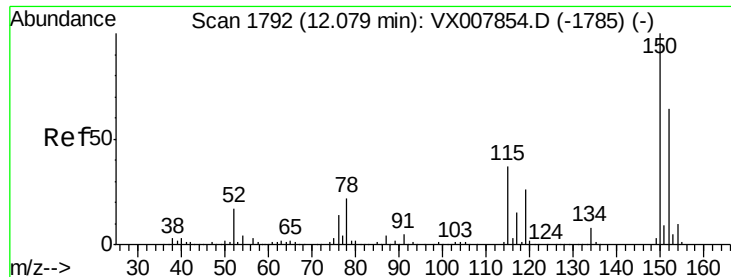
Tgt Ion: 95 Resp: 199618
Ion Ratio Lower Upper
95 100
174 91.7 0.0 182.8
176 88.4 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007899.D
Acq: 07 Mar 2019 22:57

Tgt Ion: 117 Resp: 419694
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 32.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007899.D

Acq: 07 Mar 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBL02

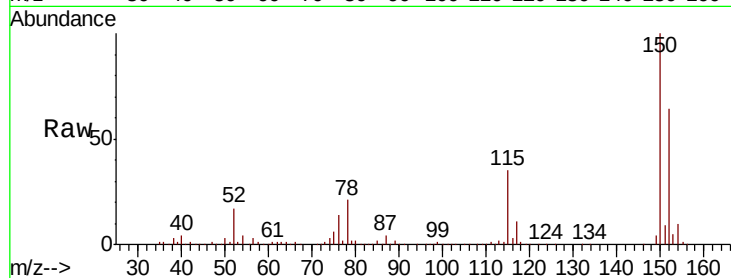
Tgt Ion:152 Resp: 203058

Ion Ratio Lower Upper

152 100

115 55.7 38.6 115.7

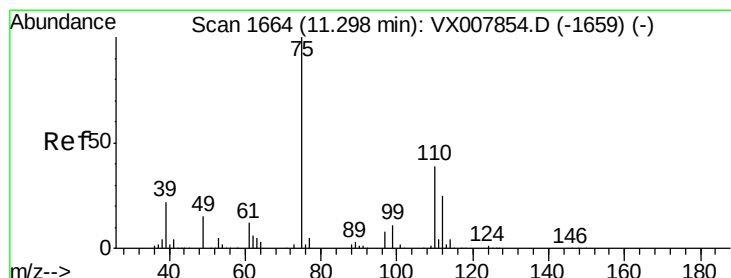
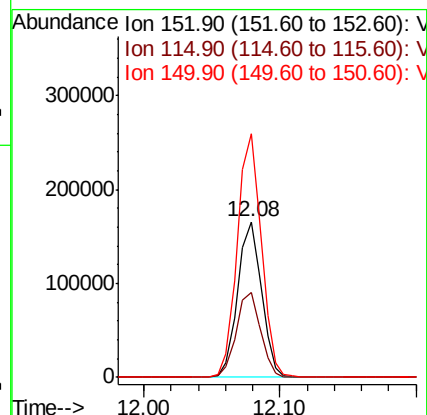
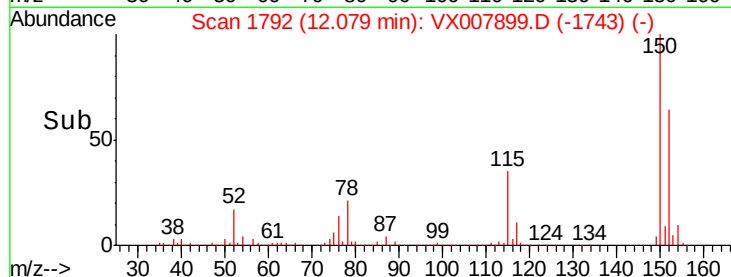
150 157.4 0.0 348.4



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: 21.605 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007899.D

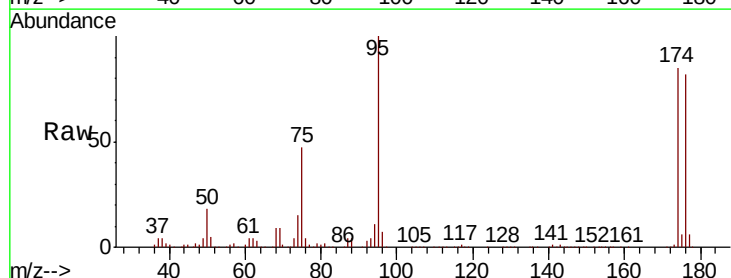
Acq: 07 Mar 2019 22:57

Tgt Ion: 75 Resp: 92060

Ion Ratio Lower Upper

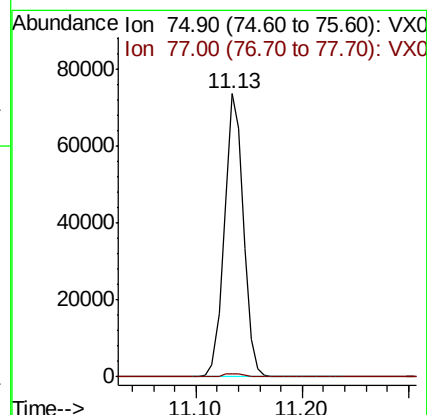
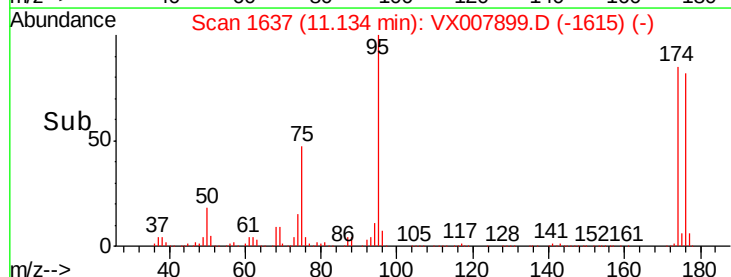
75 100

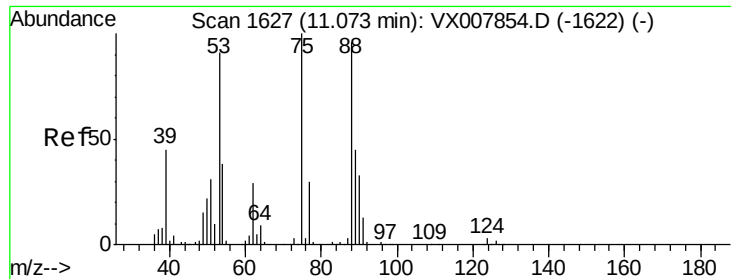
77 1.3 18.9 56.7#



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: 69.061 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007899.D

Acq: 07 Mar 2019 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBL02

Tgt Ion: 75 Resp: 92060

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

