

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003234.D
 Acq On : 07 Jul 2018 01:07
 Operator : JC/MD
 Sample : J3878-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jul 07 03:12:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	0.00	128	0	0.00	ug/l	-5.03
28) 1,4-Difluorobenzene	6.87	114	358171	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	332982	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	164678	0.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	0.00%#
60) 4-Bromofluorobenzene	11.14	95	170840	31.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.53%
63) Toluene-d8	8.72	98	496433	34.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	113.77%

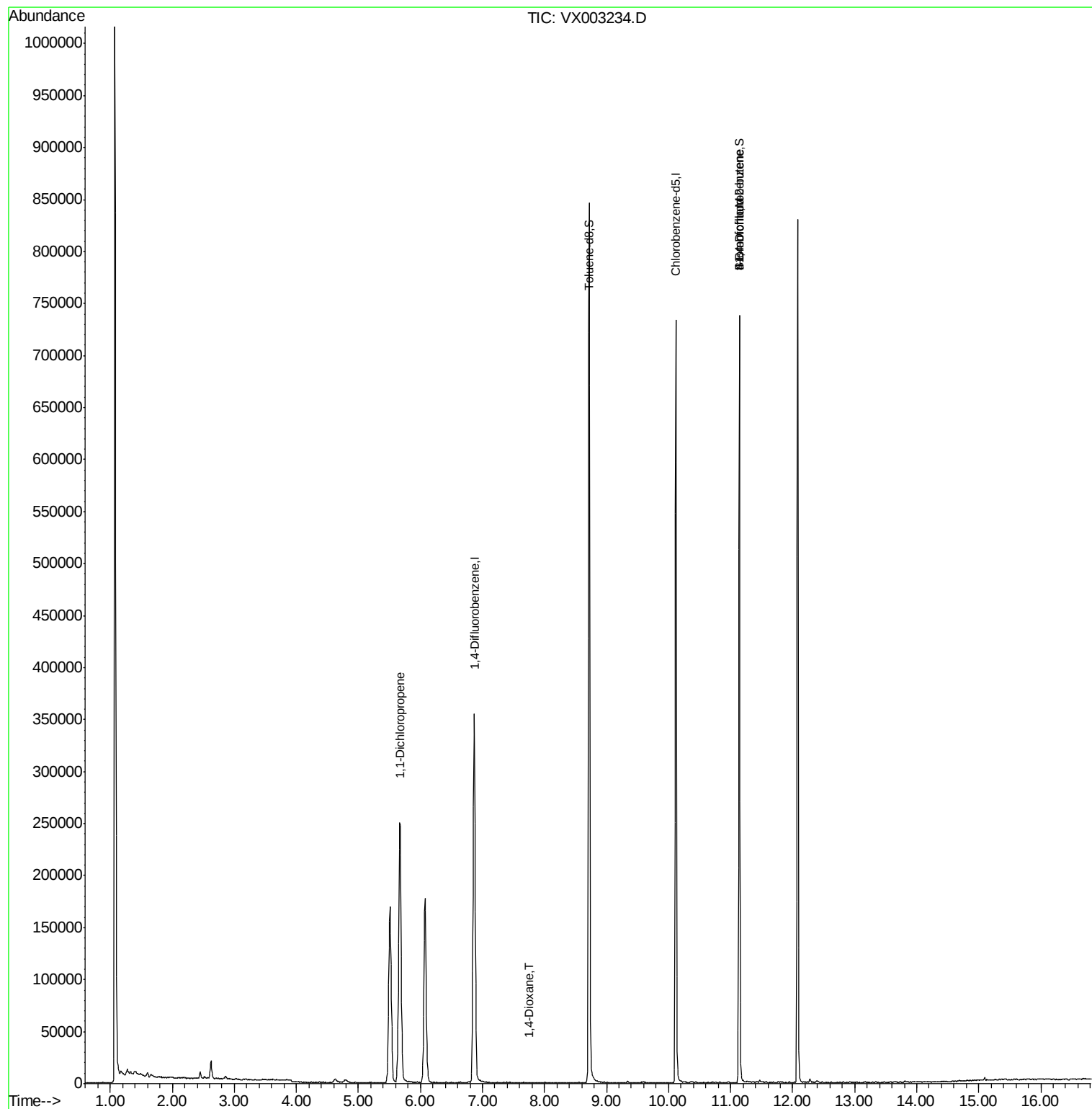
Target Compounds						Ovalue
29) 1,1-Dichloropropene	5.67	75	16620	3.44	ug/l	51
45) 1,4-Dioxane	7.76	88	40	0.46	ug/l #	39
56) Bromoform	11.15	173	1967	0.61	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	86420	54.94	ug/l #	11

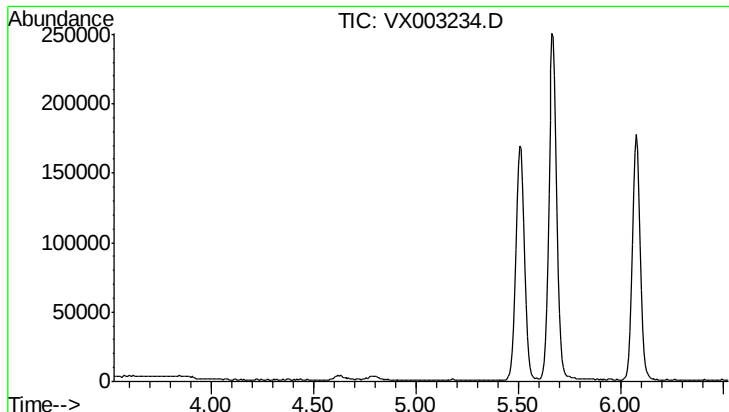
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VX003234.D

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ClientSampleId :

MW-3

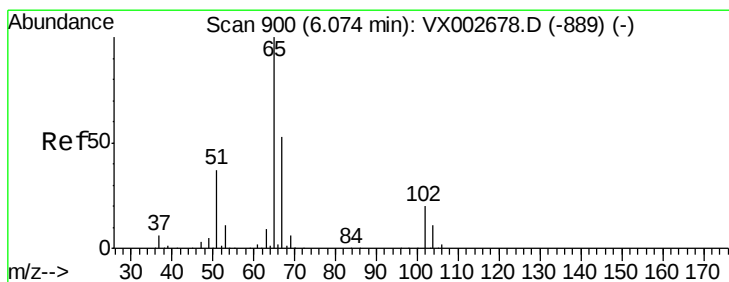
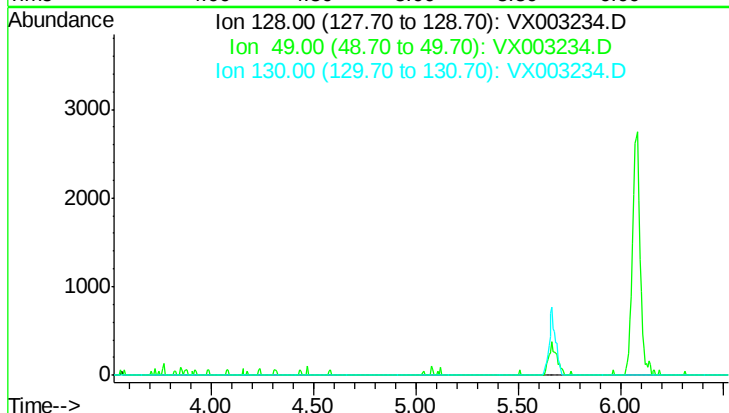
Tot Ion: 128

Sig Exp Ratio

128 100

49 169.2

130 129.7



#27

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003234.D

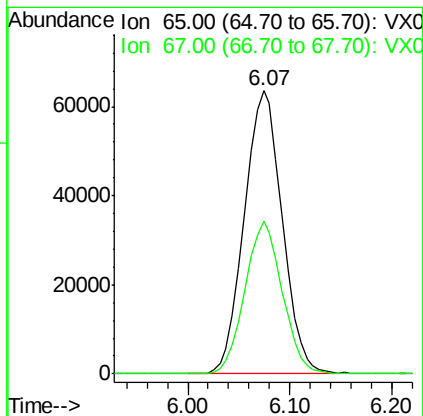
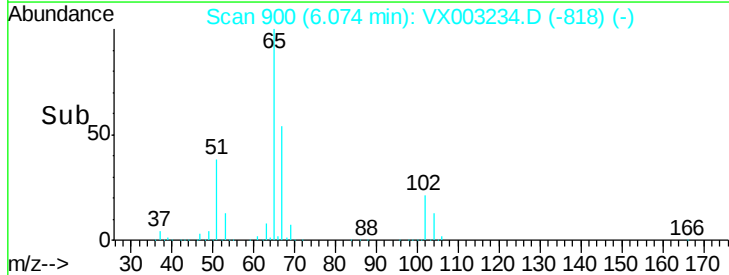
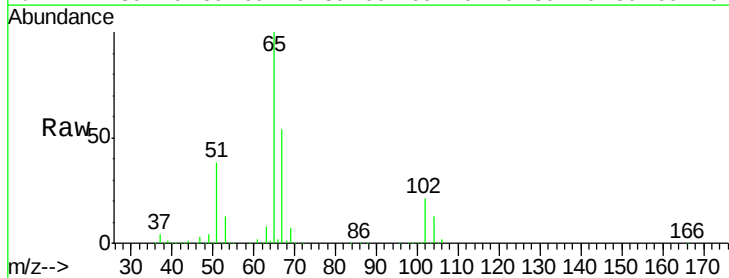
Acq: 07 Jul 2018 01:07

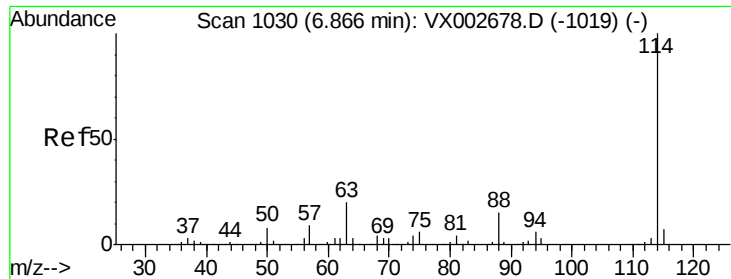
Tgt Ion: 65 Resp: 164678

Ion Ratio Lower Upper

65 100

67 53.1 40.9 61.3

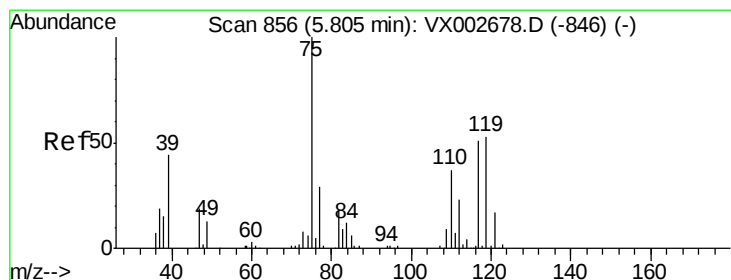
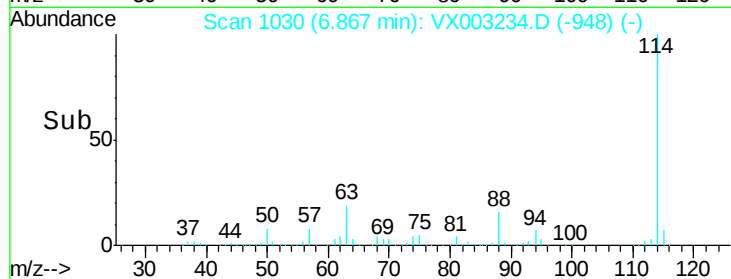
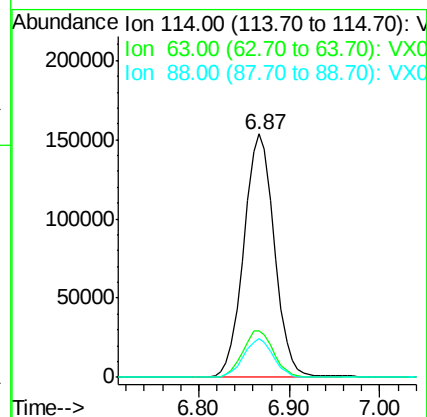
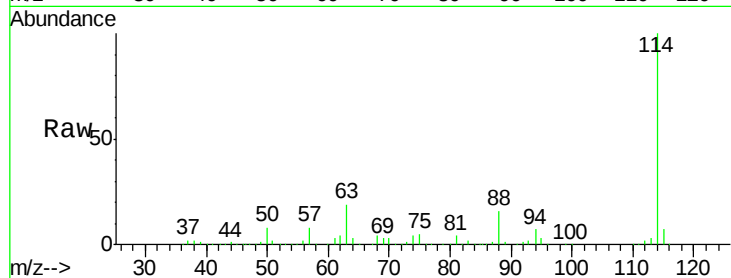




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003234.D
 Acq: 07 Jul 2018 01:07

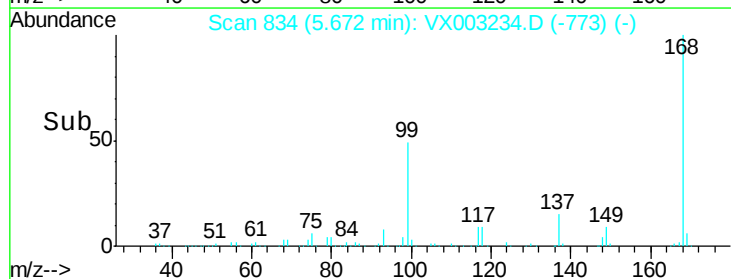
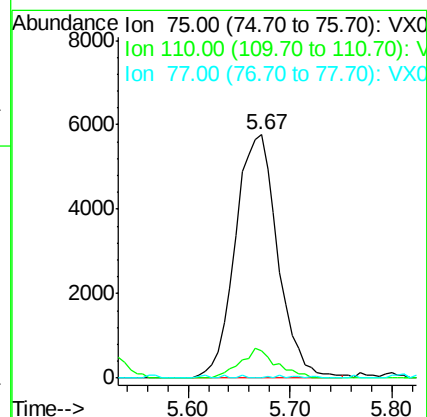
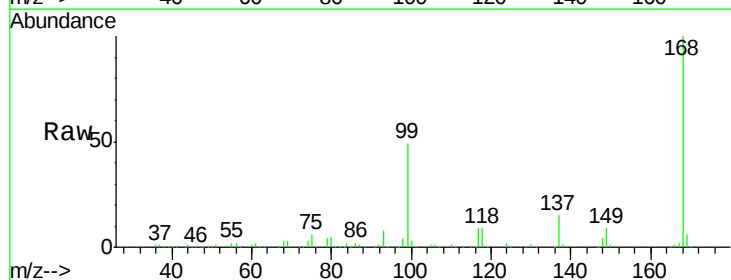
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

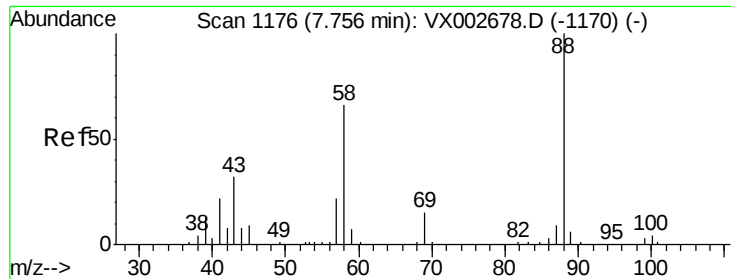
Tot Ion:114 Resp: 358171
 Ion Ratio Lower Upper
 114 100
 63 19.4 17.1 25.7
 88 15.4 12.6 19.0



#29
 1,1-Dichloropropene
 Concen: 3.44 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003234.D
 Acq: 07 Jul 2018 01:07

Tgt Ion: 75 Resp: 16620
 Ion Ratio Lower Upper
 75 100
 110 10.3 0.0 71.4
 77 0.1 0.0 60.6

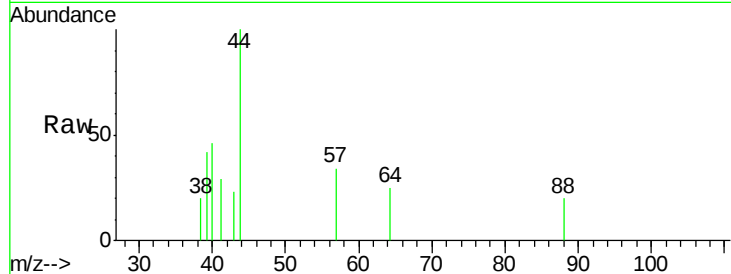




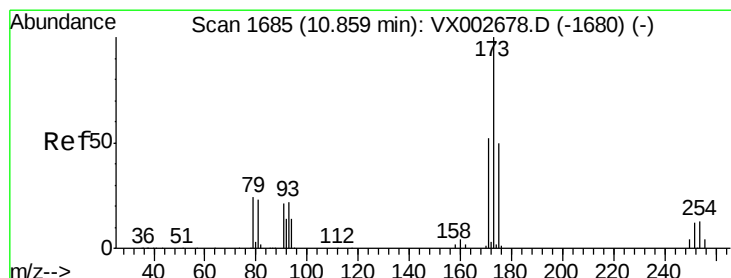
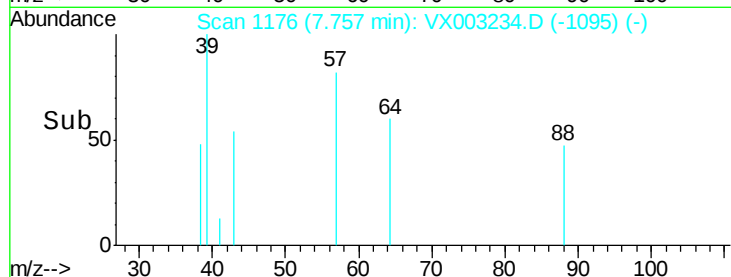
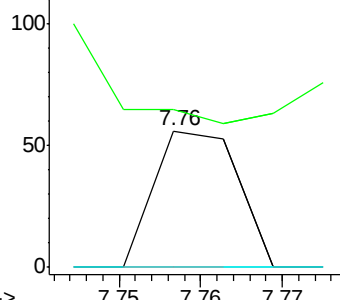
#45
 1,4-Dioxane
 Concen: 0.46 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003234.D
 Acq: 07 Jul 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Tot Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 70.0 43.2 64.8#
 58 0.0 60.2 90.2#

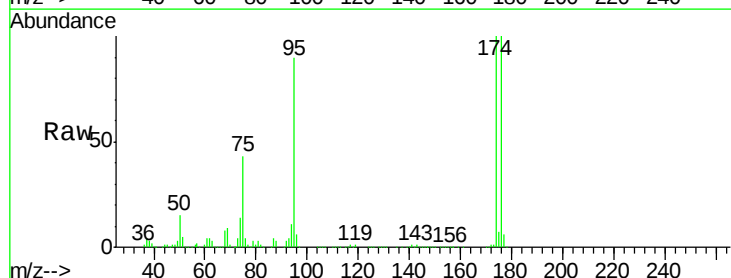


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

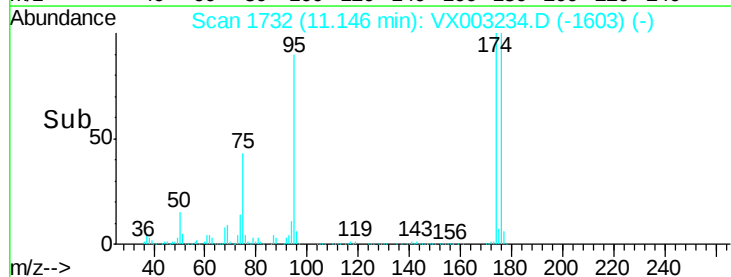
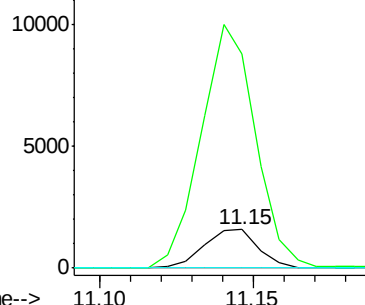


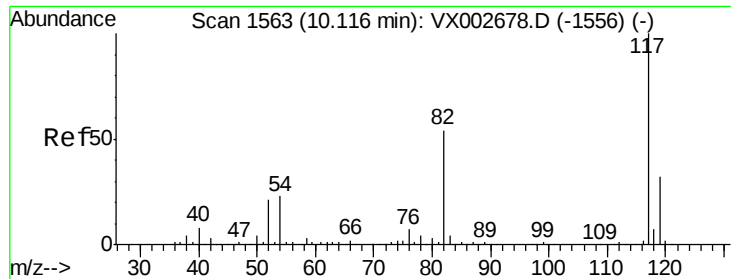
#56
 Bromoform
 Concen: 0.61 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.29 min
 Lab File: VX003234.D
 Acq: 07 Jul 2018 01:07

Tgt Ion: 173 Resp: 1967
 Ion Ratio Lower Upper
 173 100
 175 628.6 39.0 58.4#
 254 0.0 9.6 14.4#



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003234.D

Acq: 07 Jul 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

MW-3

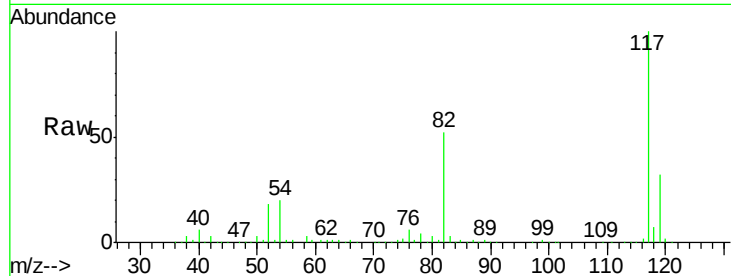
Tot Ion:117 Resp: 332982

Ion Ratio Lower Upper

117 100

82 52.3 44.3 66.5

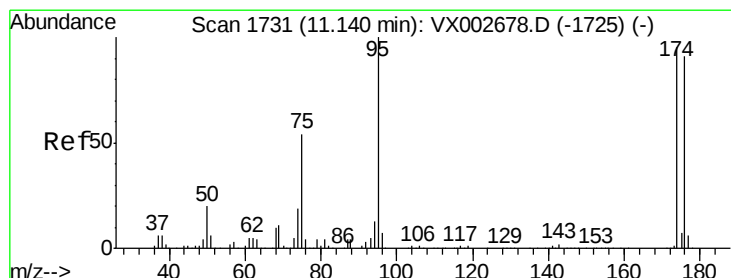
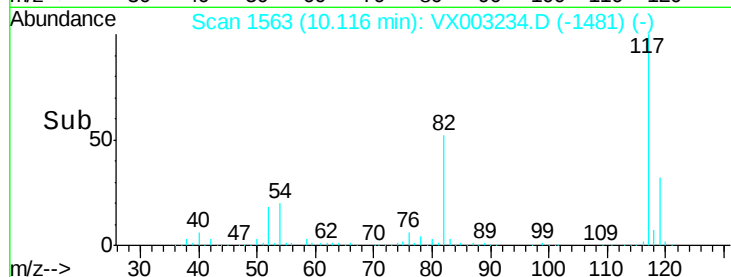
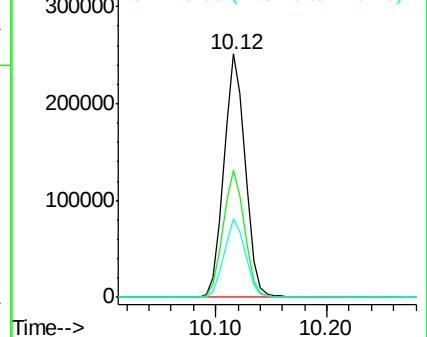
119 32.3 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: 31.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003234.D

Acq: 07 Jul 2018 01:07

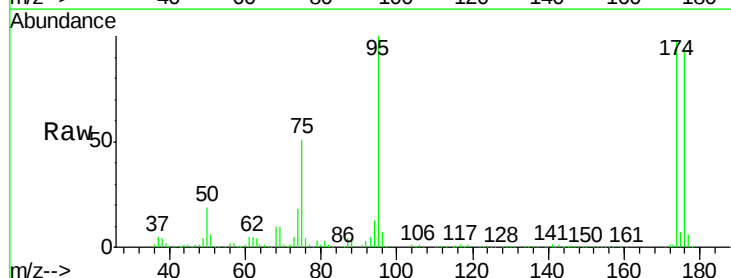
Tgt Ion: 95 Resp: 170840

Ion Ratio Lower Upper

95 100

174 99.5 71.8 107.6

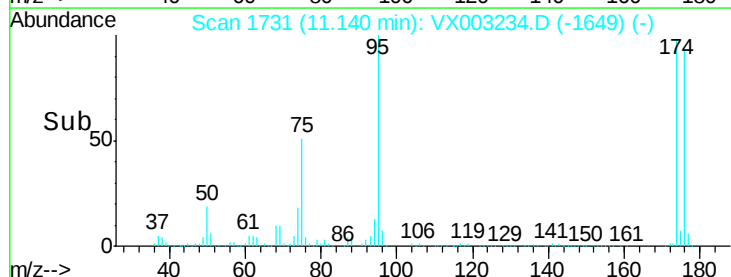
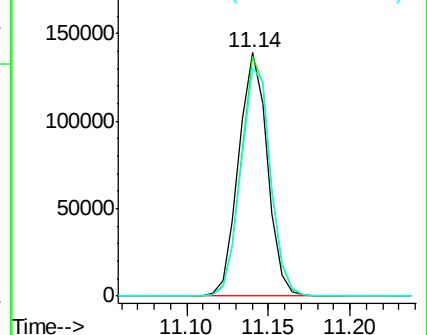
176 97.1 70.1 105.1

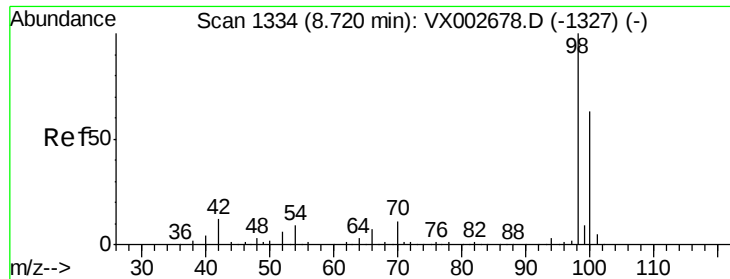


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 34.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003234.D

Acq: 07 Jul 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

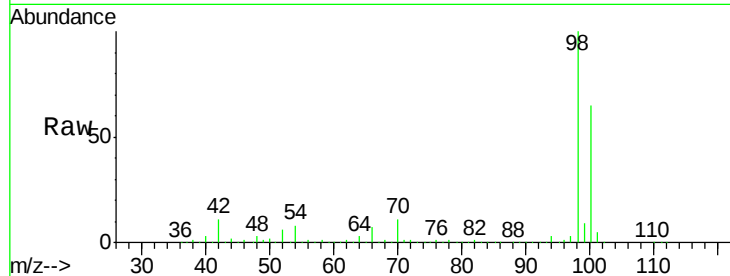
MW-3

Tot Ion: 98 Resp: 496433

Ion Ratio Lower Upper

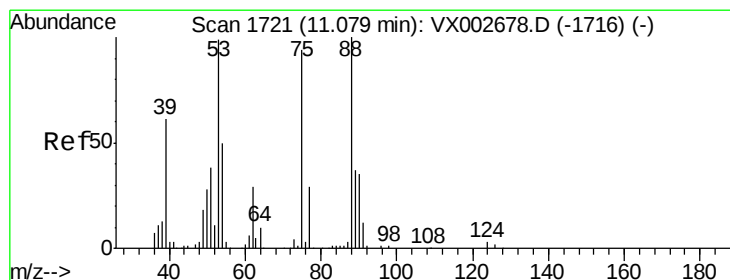
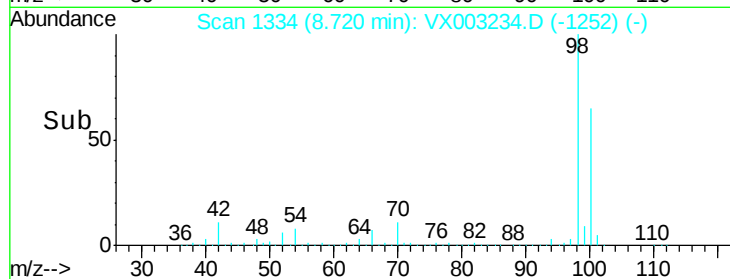
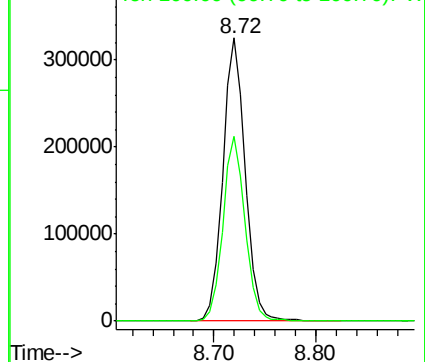
98 100

100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 54.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003234.D

Acq: 07 Jul 2018 01:07

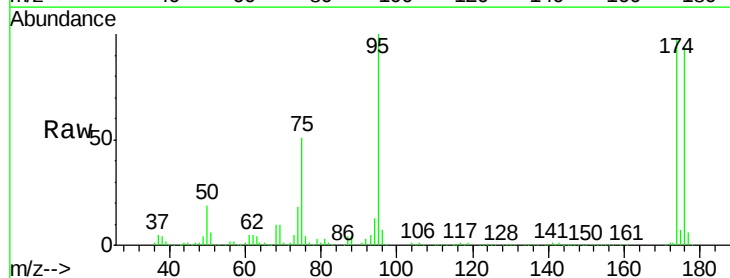
Tgt Ion: 75 Resp: 86420

Ion Ratio Lower Upper

75 100

53 0.2 48.3 144.9#

89 0.0 21.8 65.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

