

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003235.D
 Acq On : 07 Jul 2018 01:34
 Operator : JC/MD
 Sample : J3878-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 03:12:18 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	378750	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	358420	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	179771	0.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	0.00%#
60) 4-Bromofluorobenzene	11.14	95	184673	31.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.00%
63) Toluene-d8	8.72	98	529681	33.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	112.77%

Target Compounds

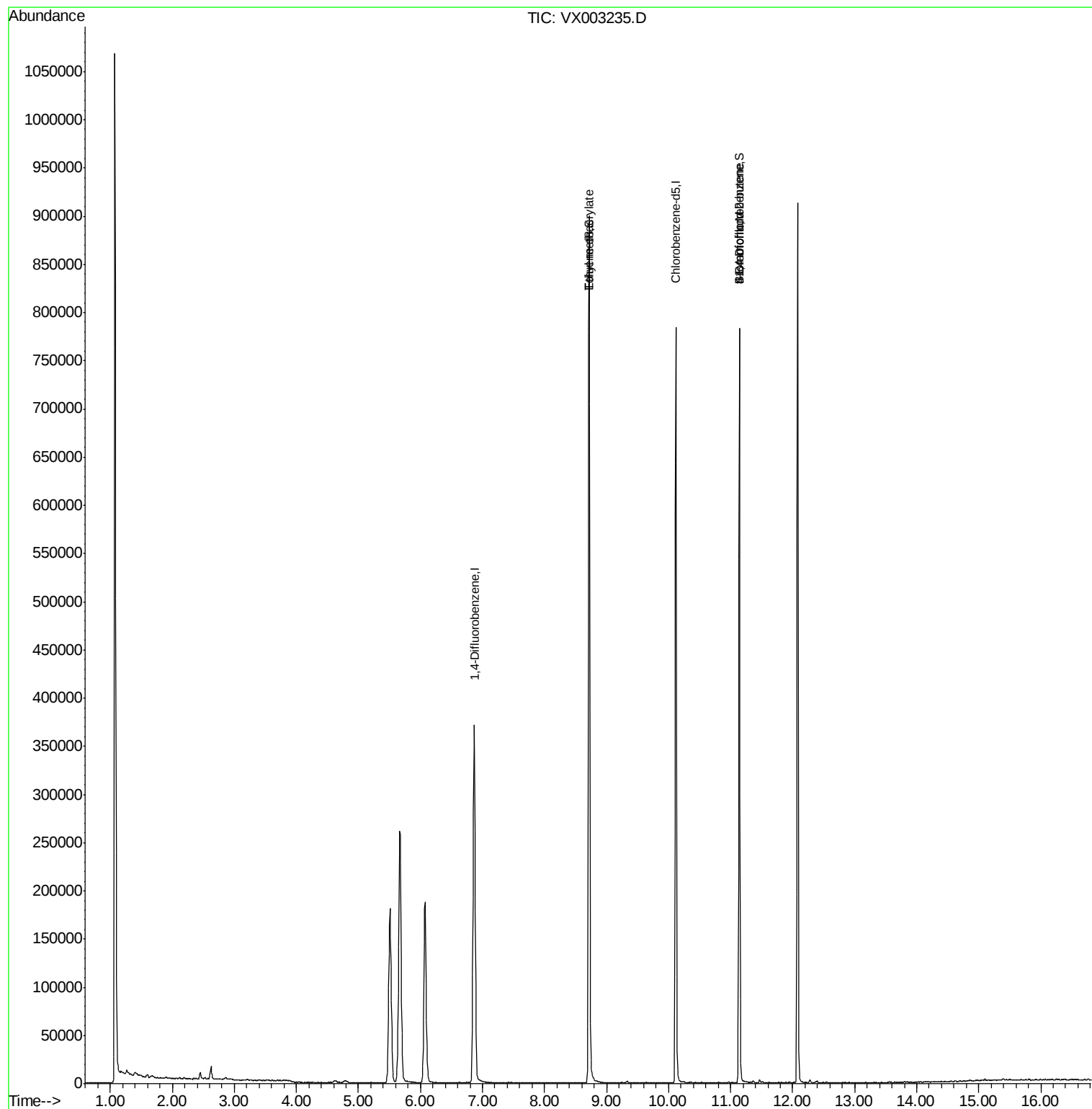
					Ovalue
51) Ethyl methacrylate	8.73	69	1841	0.30	ug/l 85
56) Bromoform	11.14	173	2254	0.66	ug/l # 1
77) t-1,4-Dichloro-2-butene	11.14	75	91669	54.14	ug/l # 11

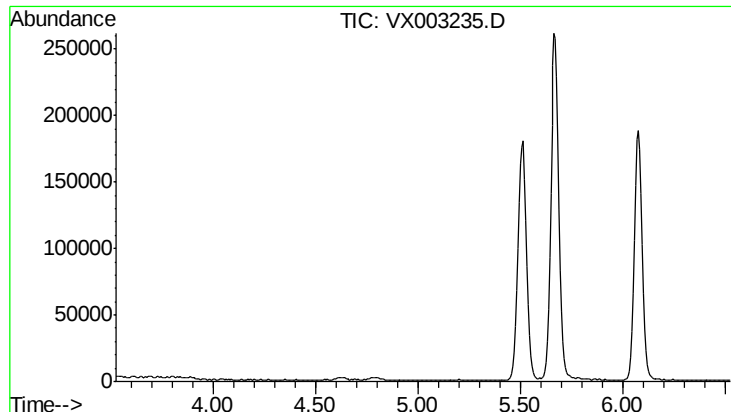
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

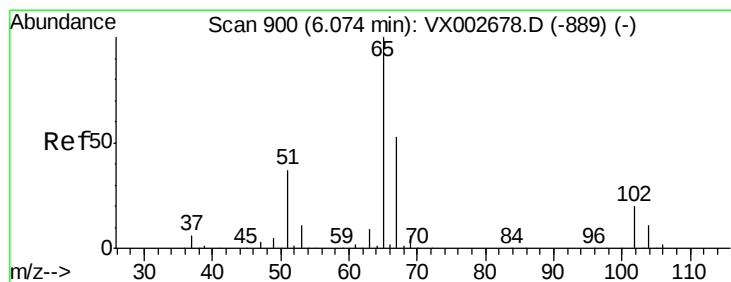
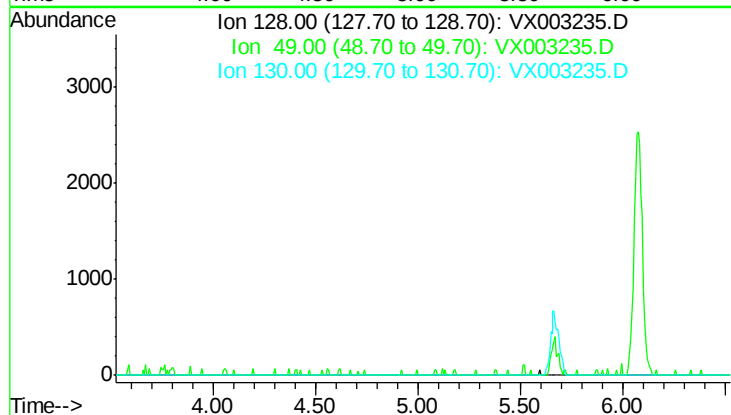
Tot Ion: 128

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: VX003235.D

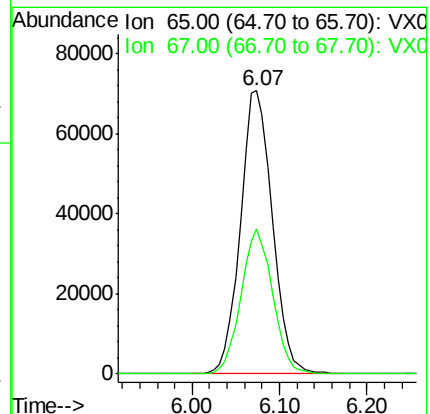
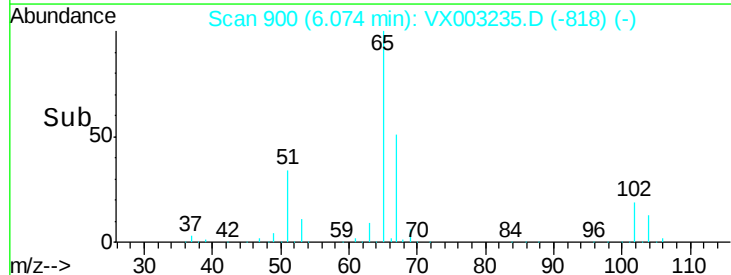
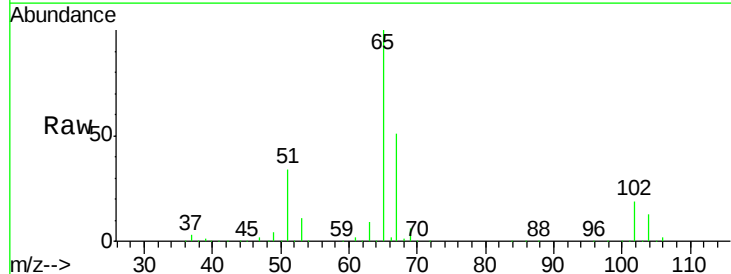
Acq: 07 Jul 2018 01:34

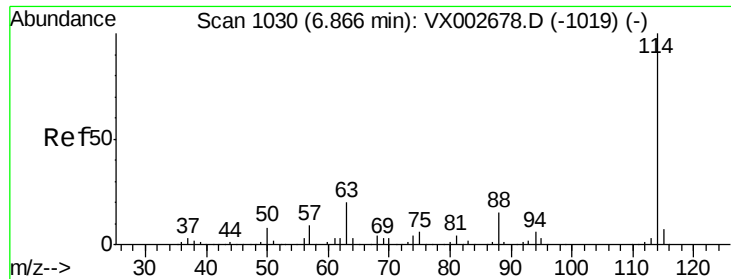
Tgt Ion: 65 Resp: 179771

Ion Ratio Lower Upper

65 100

67 50.7 40.9 61.3

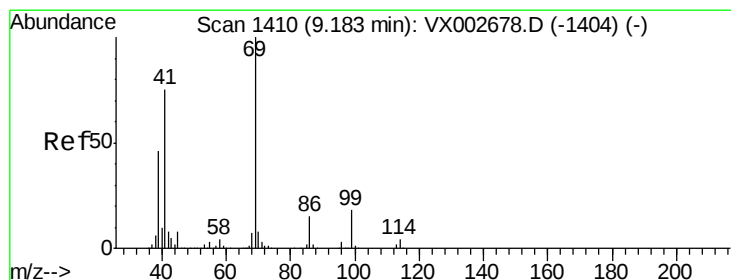
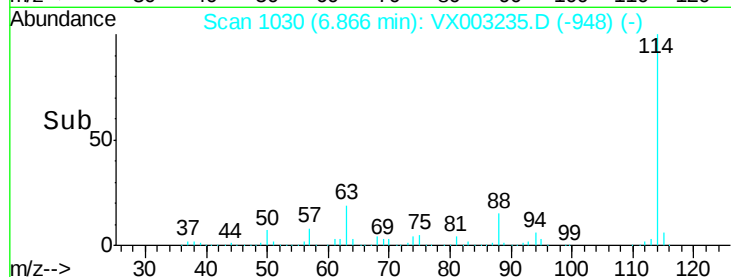
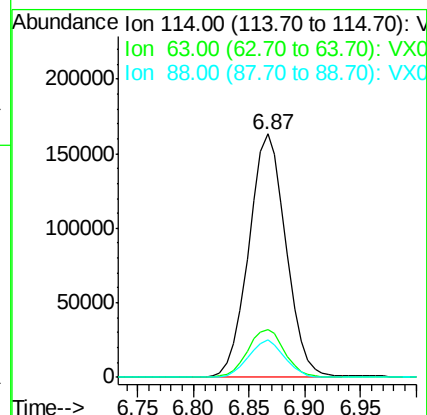
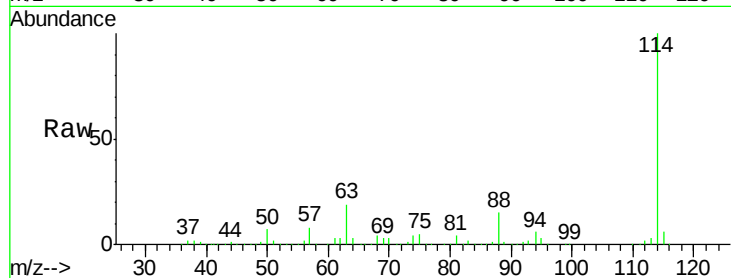




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

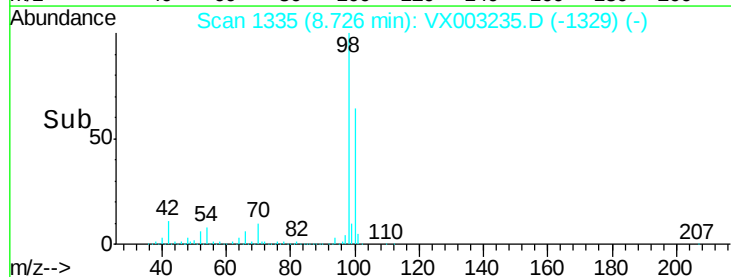
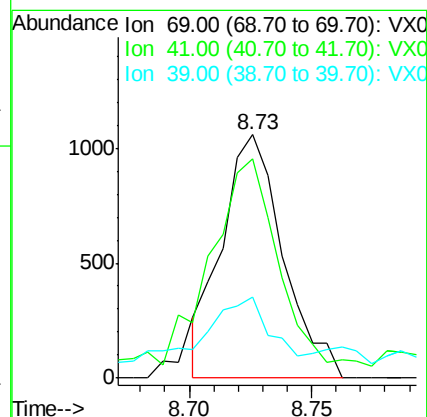
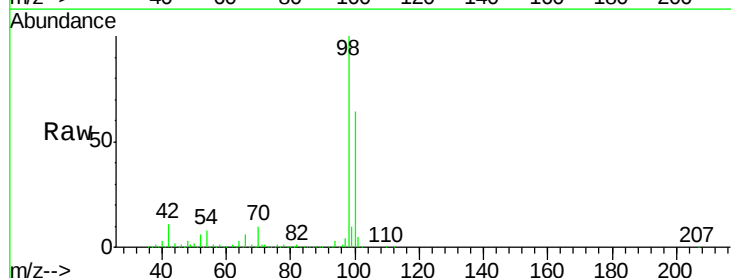
Instrument :
 MSVOA_X
 ClientSampleId :

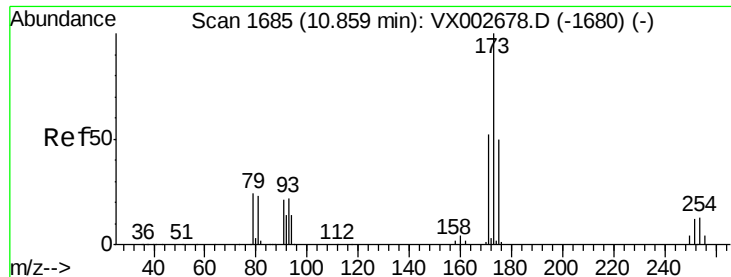
Tot Ion:114 Resp: 378750
 Ion Ratio Lower Upper
 114 100
 63 19.7 17.1 25.7
 88 14.9 12.6 19.0



#51
 Ethyl methacrylate
 Concen: 0.30 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.46 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

Tgt Ion: 69 Resp: 1841
 Ion Ratio Lower Upper
 69 100
 41 82.4 39.1 117.3
 39 21.7 21.7 65.1





#56

Bromoform

Concen: 0.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.28 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Instrument :

MSVOA_X

ClientSampled :

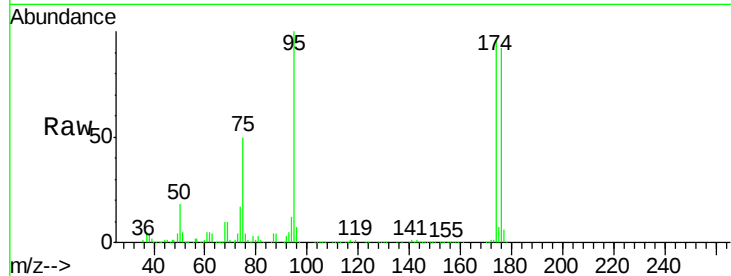
Tot Ion:173 Resp: 2254

Ion Ratio Lower Upper

173 100

175 595.4 39.0 58.4#

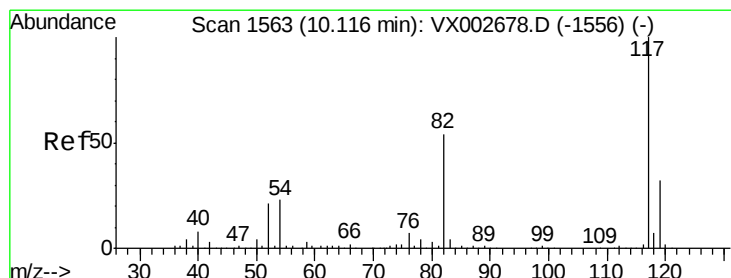
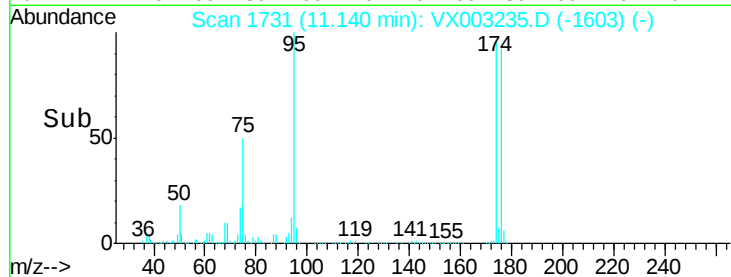
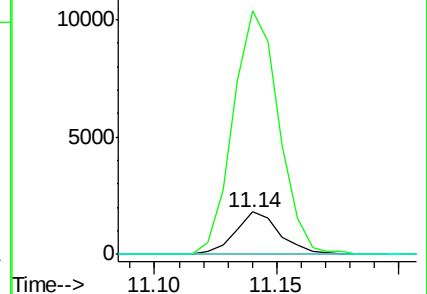
254 0.0 9.6 14.4#



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: VX003235.D

Acq: 07 Jul 2018 01:34

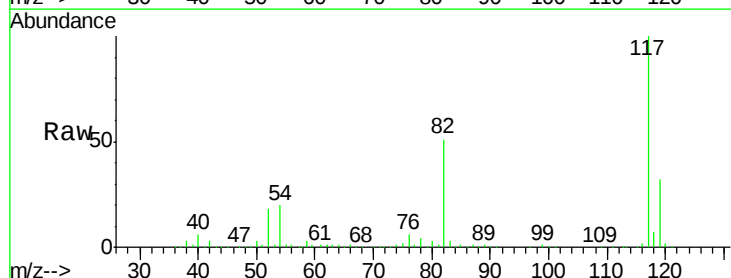
Tgt Ion:117 Resp: 358420

Ion Ratio Lower Upper

117 100

82 52.0 44.3 66.5

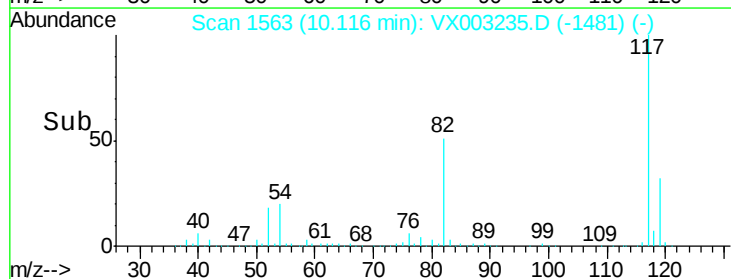
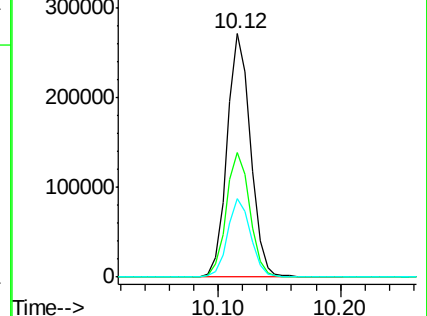
119 32.1 25.7 38.5

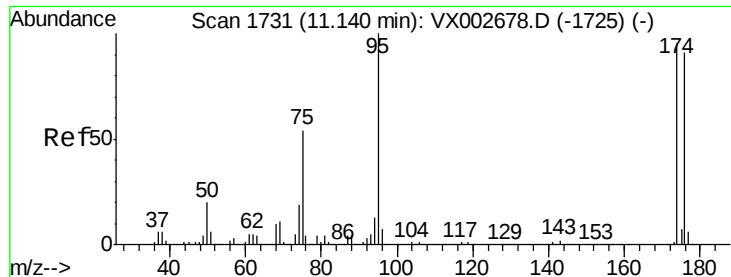


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

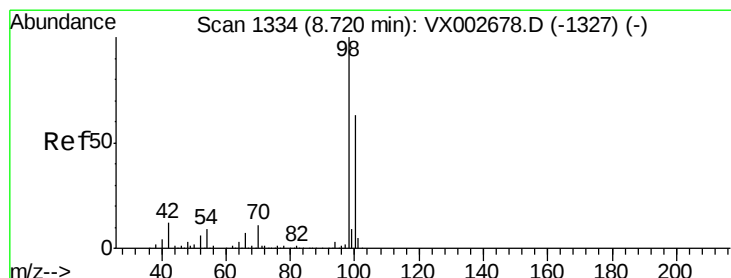
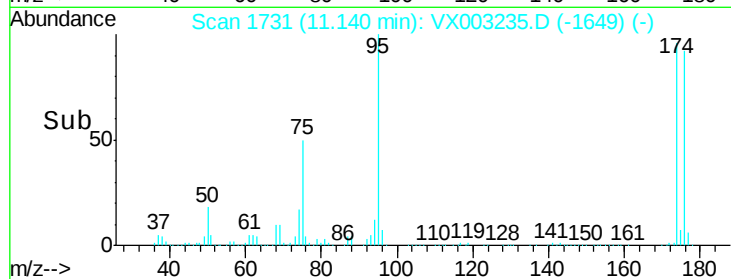
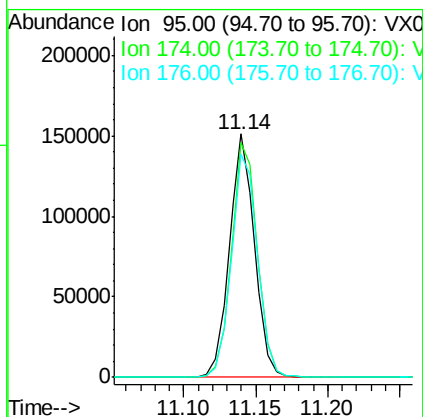
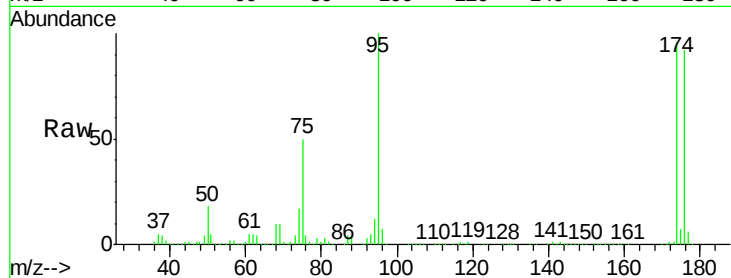




#60
 4-Bromofluorobenzene
 Concen: 31.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

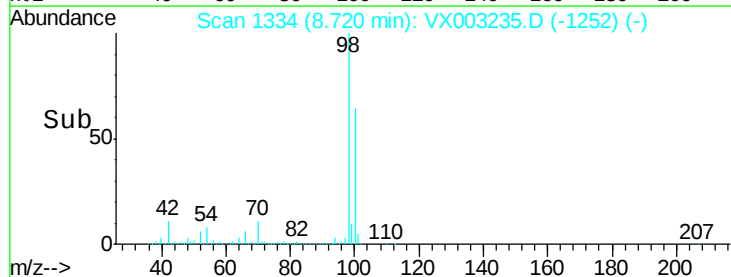
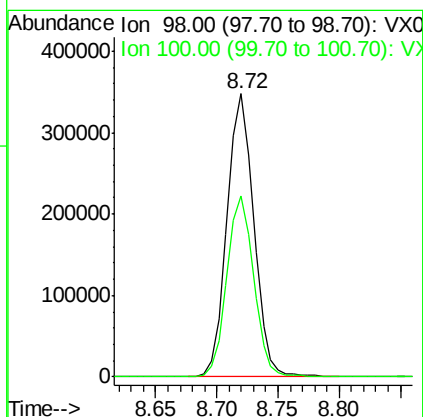
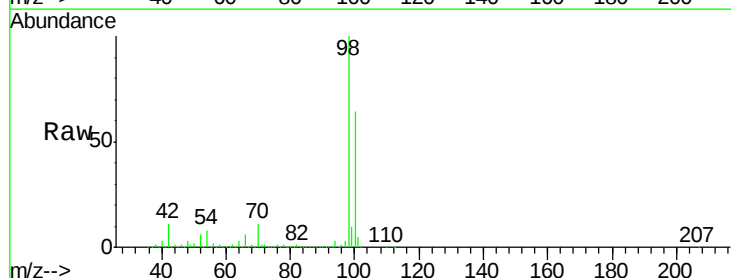
Instrument :
 MSVOA_X
 ClientSampleId :

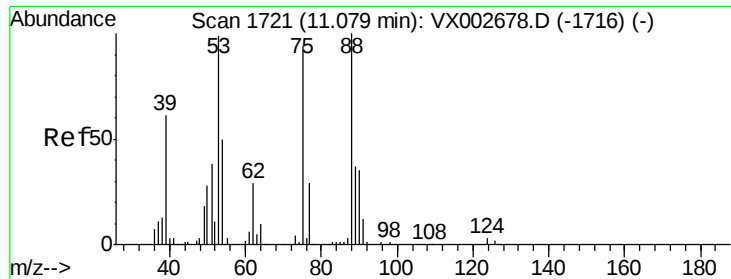
Tot Ion: 95 Resp: 184673
 Ion Ratio Lower Upper
 95 100
 174 99.2 71.8 107.6
 176 95.2 70.1 105.1



#63
 Toluene-d8
 Concen: 33.83 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

Tgt Ion: 98 Resp: 529681
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.8 76.2

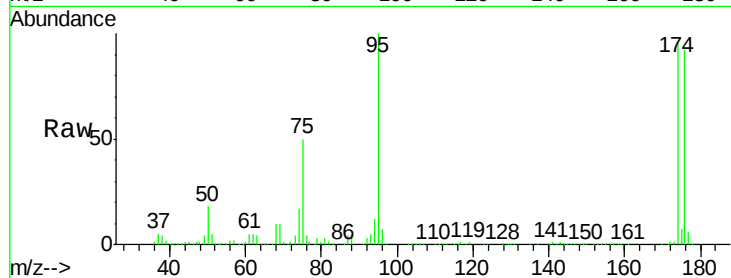




#77
t-1,4-Dichloro-2-butene
Concen: 54.14 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003235.D
Acq: 07 Jul 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 91669
Ion Ratio Lower Upper
75 100
53 0.3 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

