

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000219.D
 Acq On : 08 Mar 2018 12:56
 Operator : JC/MD
 Sample : J1833-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-002

Quant Time: Mar 08 13:31:41 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.04	128	21898	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.87	114	130607	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	122435	30.00	ug/l	0.00

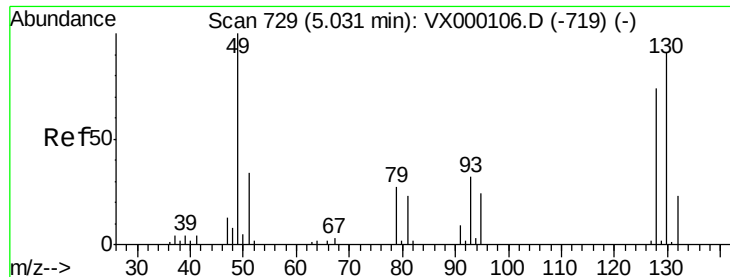
System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	55109	32.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.40%
60) 4-Bromofluorobenzene	11.15	95	56226	28.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.57%
63) Toluene-d8	8.73	98	161298	30.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.53%

Target Compounds

					Ovalue	
15) Acetone	2.45	58	546	1.478	ug/l	77
18) Methylene Chloride	2.87	84	917	0.575	ug/l #	87
51) Ethyl methacrylate	8.73	69	642	0.271	ug/l #	68
55) 2-Chloroethyl vinyl ether	8.72	63	236	0.228	ug/l #	1
56) Bromoform	11.15	173	672	0.482	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.15	75	32877	40.248	ug/l #	11

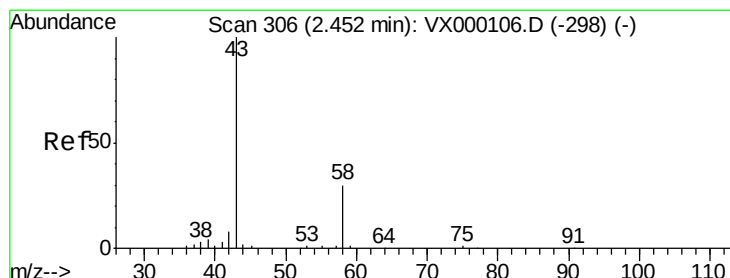
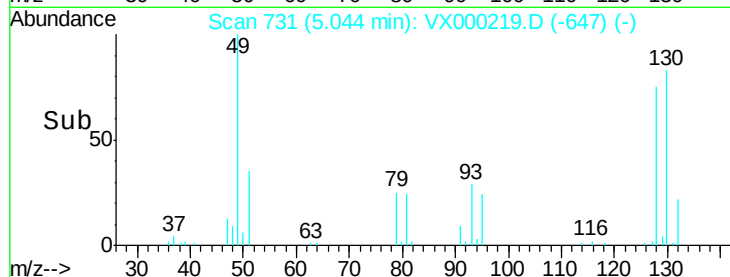
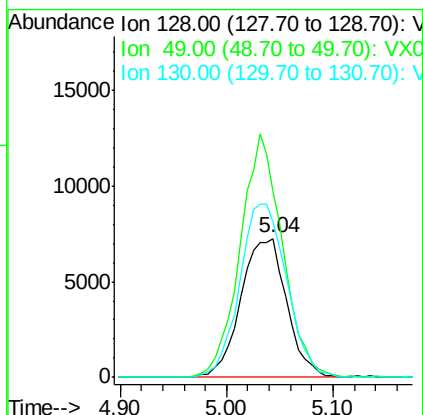
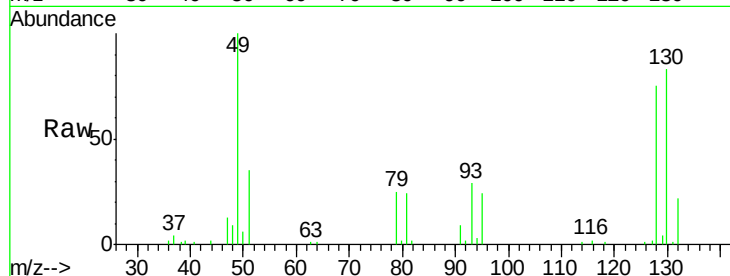
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.04 min Scan# 731
Delta R.T. 0.01 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

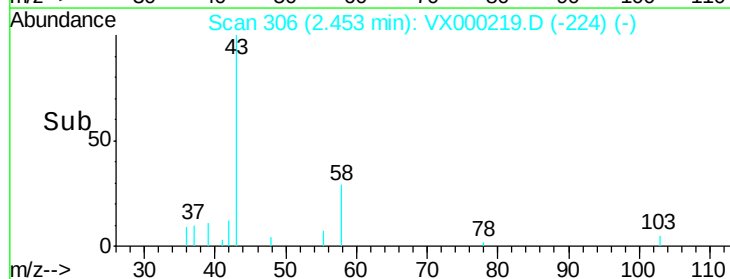
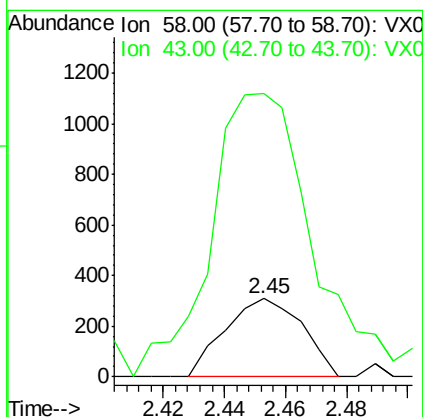
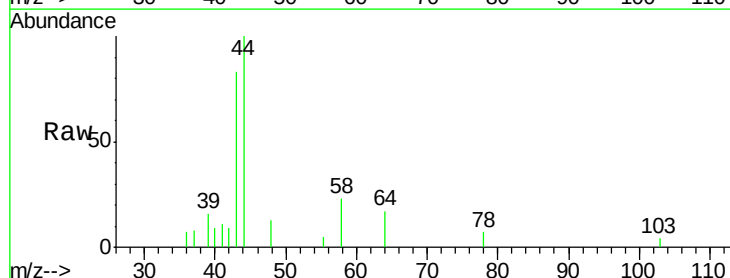
Instrument :
MSVOA_X
ClientSampled :
TB-002

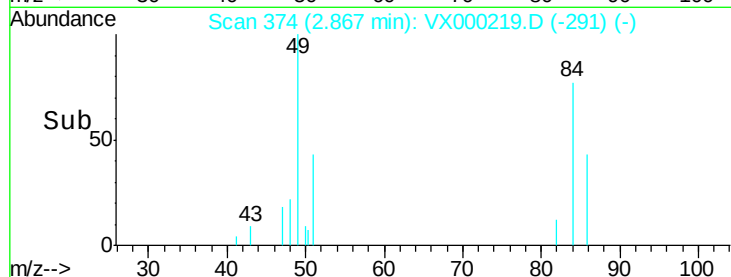
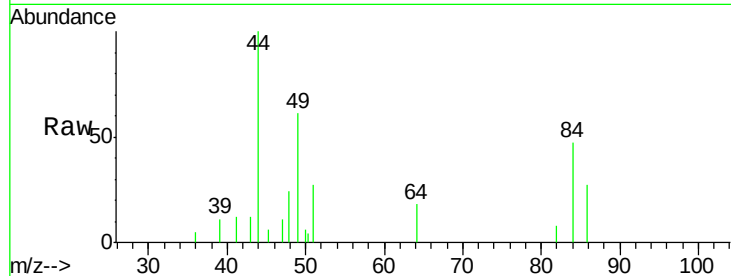
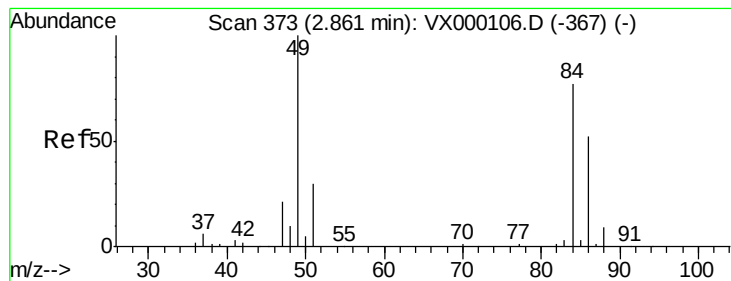
Tot Ion:128 Resp: 21898
Ion Ratio Lower Upper
128 100
49 161.2 0.0 378.3
130 127.9 0.0 324.3



#15
Acetone
Concen: 1.478 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

Tgt Ion: 58 Resp: 546
Ion Ratio Lower Upper
58 100
43 283.5 264.6 396.8





#18

Methylene Chloride

Concen: 0.575 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000219.D

Acq: 08 Mar 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

TB-002

Tot Ion: 84 Resp: 917

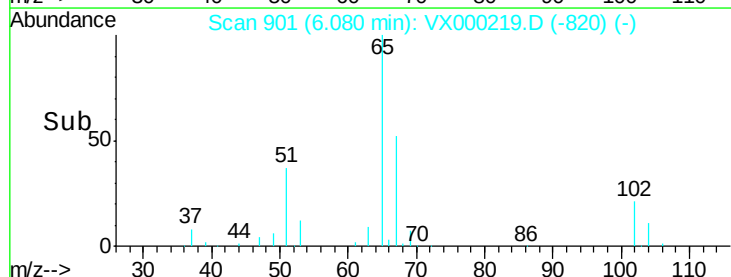
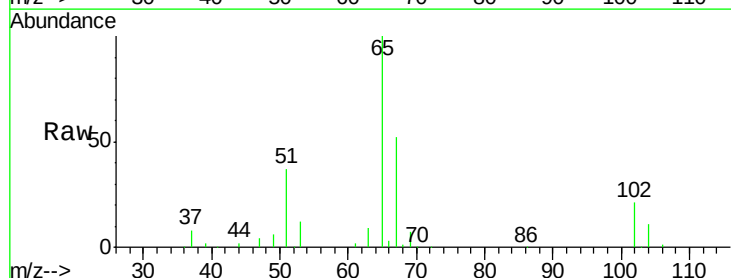
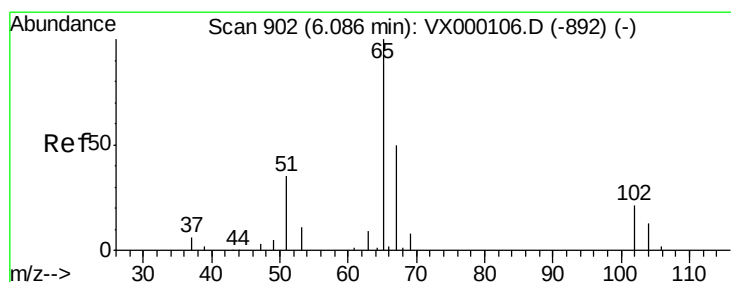
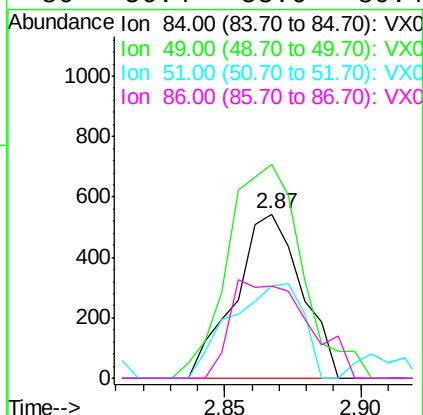
Ion Ratio Lower Upper

84 100

49 120.2 103.3 154.9

51 56.4 31.2 46.8#

86 56.4 53.6 80.4



#27

1,2-Dichloroethane-d4

Concen: 32.517 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.01 min

Lab File: VX000219.D

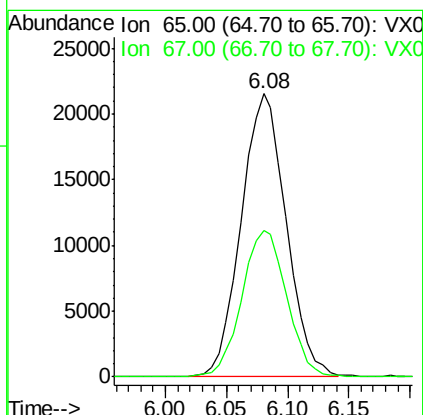
Acq: 08 Mar 2018 12:56

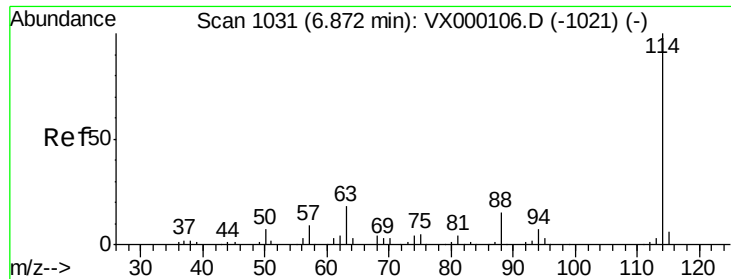
Tgt Ion: 65 Resp: 55109

Ion Ratio Lower Upper

65 100

67 51.6 41.4 62.2

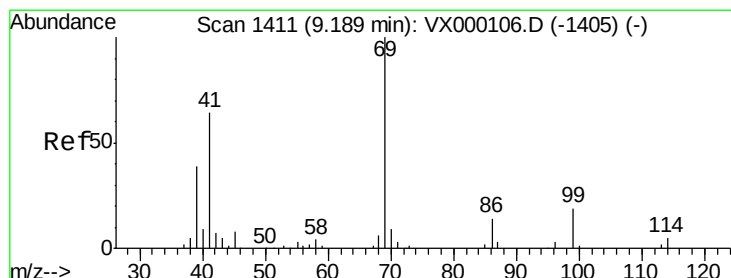
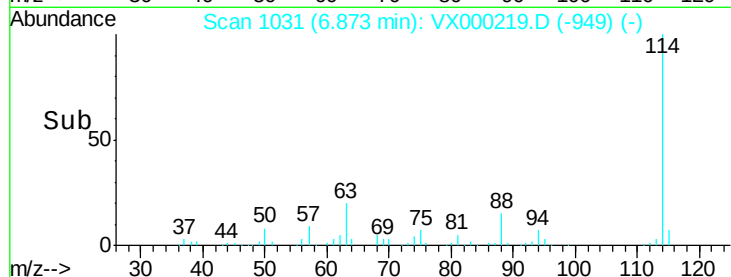
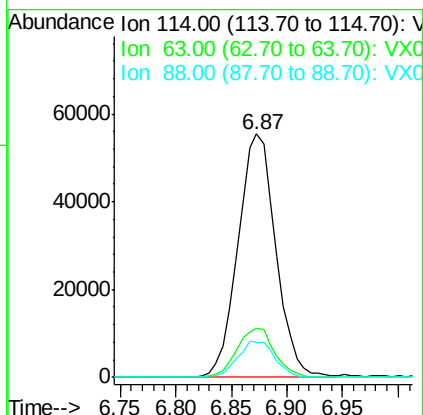
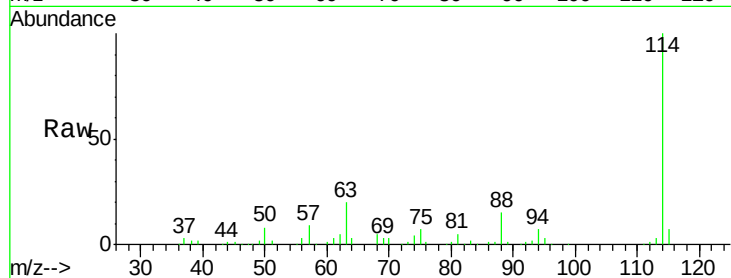




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000219.D
 Acq: 08 Mar 2018 12:56

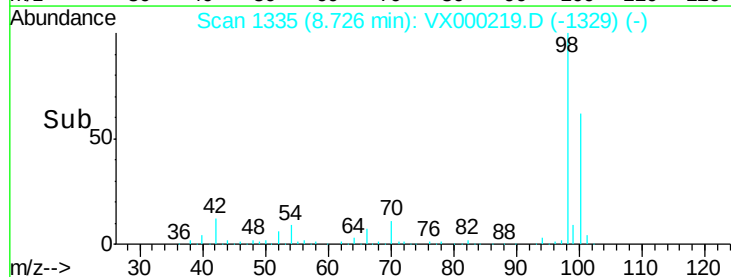
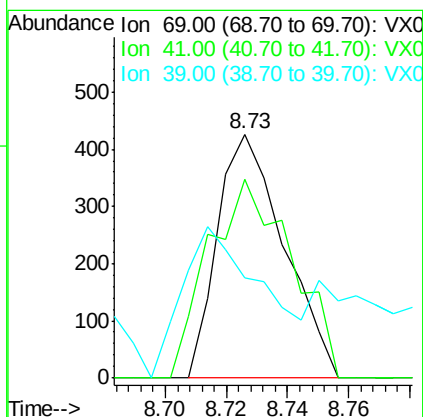
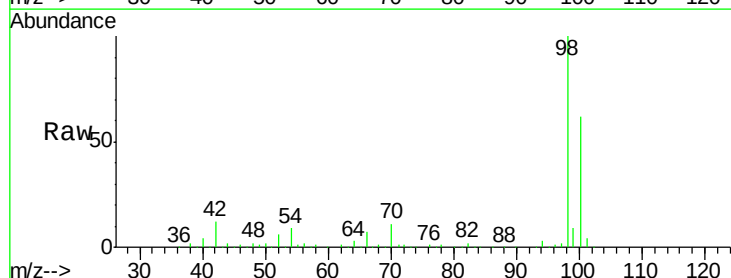
Instrument :
 MSVOA_X
 ClientSampled :
 TB-002

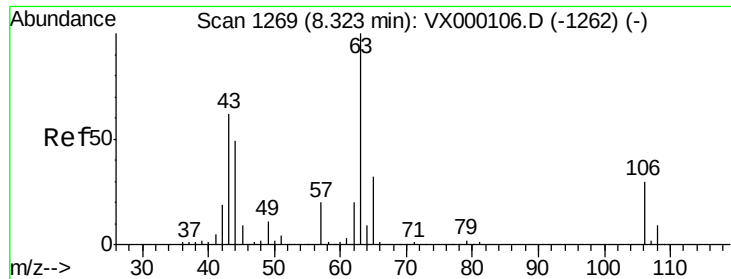
Tot Ion:114 Resp: 130607
 Ion Ratio Lower Upper
 114 100
 63 20.1 15.0 22.4
 88 14.9 11.8 17.8



#51
 Ethyl methacrylate
 Concen: 0.271 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.46 min
 Lab File: VX000219.D
 Acq: 08 Mar 2018 12:56

Tgt Ion: 69 Resp: 642
 Ion Ratio Lower Upper
 69 100
 41 81.5 32.1 96.3
 39 9.6 19.6 58.7#

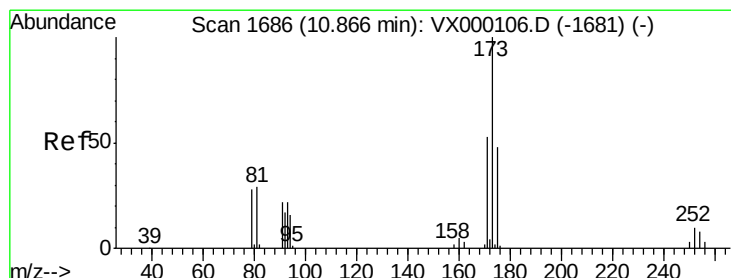
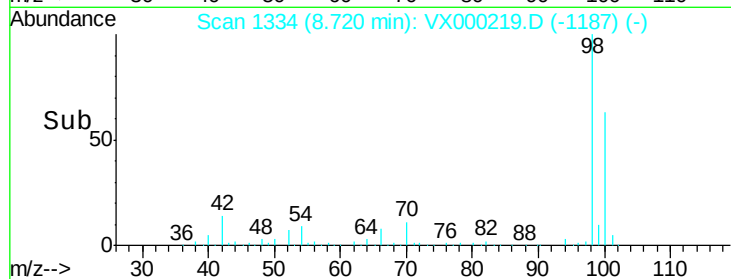
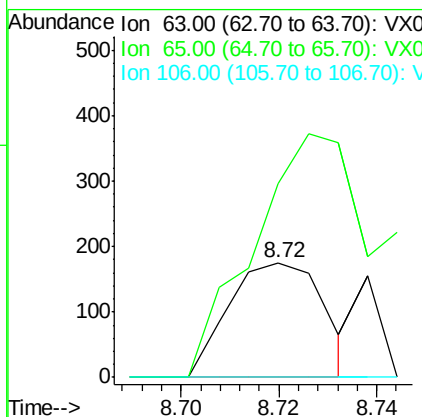
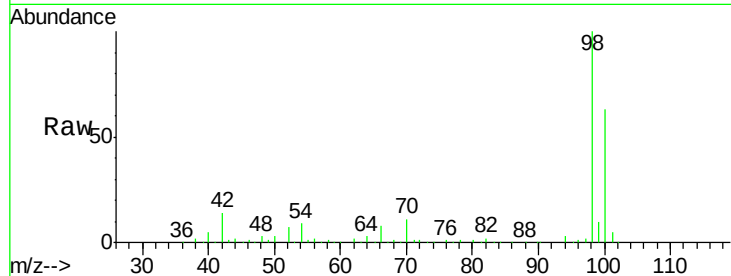




#55
2-Chloroethyl vinyl ether
Concen: 0.228 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.40 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

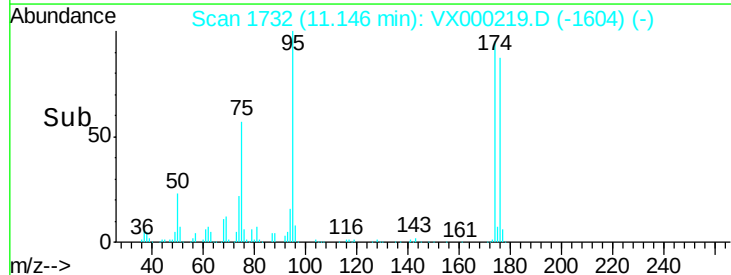
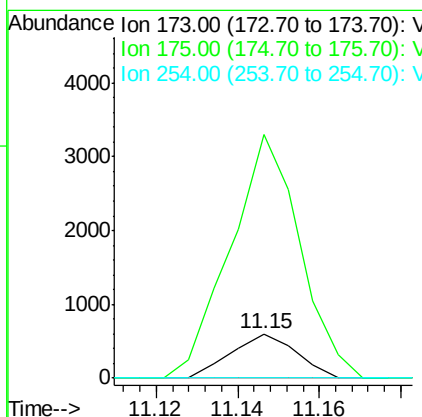
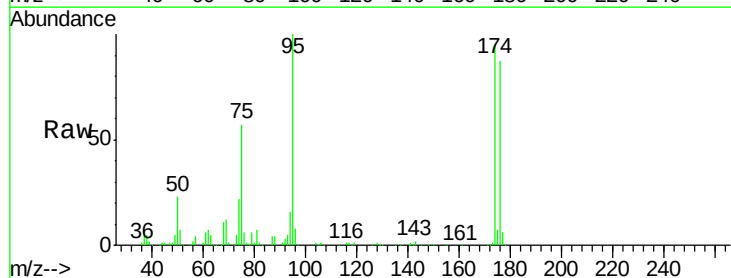
Instrument :
MSVOA_X
ClientSampled :
TB-002

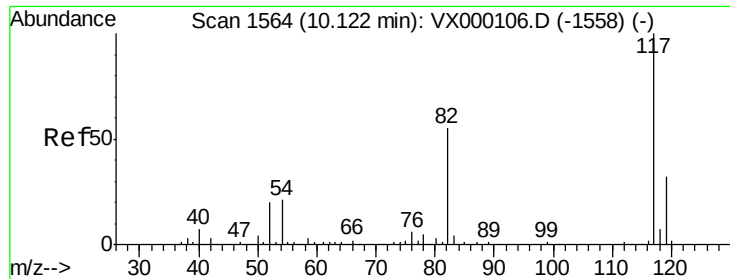
Tot Ion: 63 Resp: 236
Ion Ratio Lower Upper
63 100
65 277.1 25.8 38.8#
106 0.0 23.8 35.6#



#56
Bromoform
Concen: 0.482 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.28 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

Tgt Ion: 173 Resp: 672
Ion Ratio Lower Upper
173 100
175 584.5 39.0 58.4#
254 0.0 7.0 10.4#

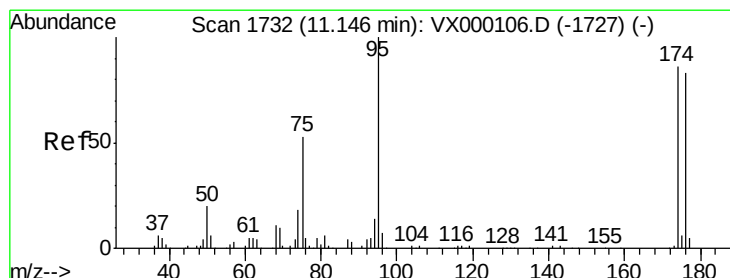
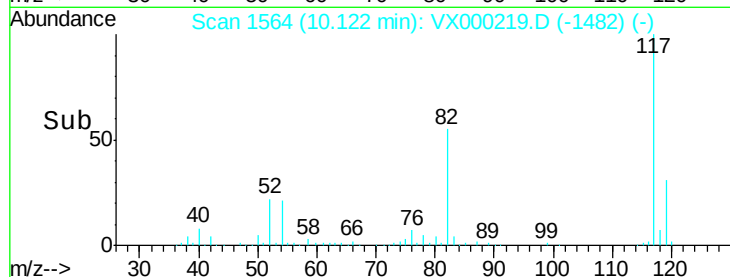
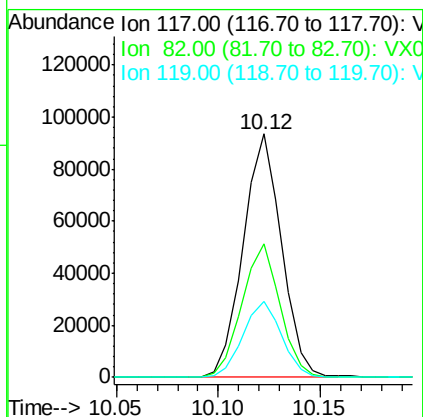
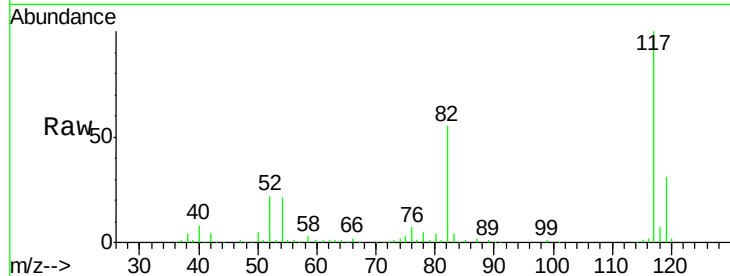




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

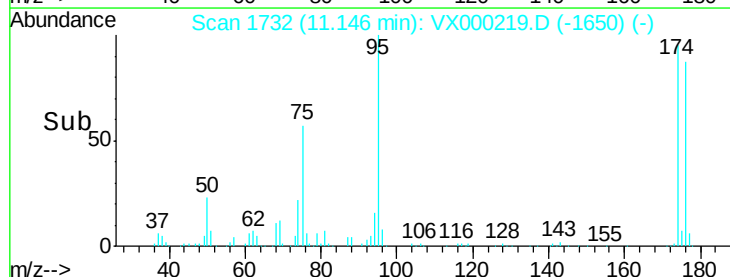
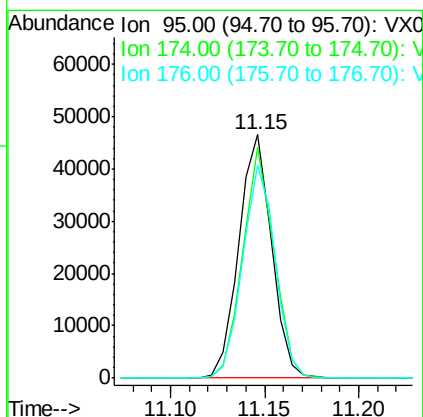
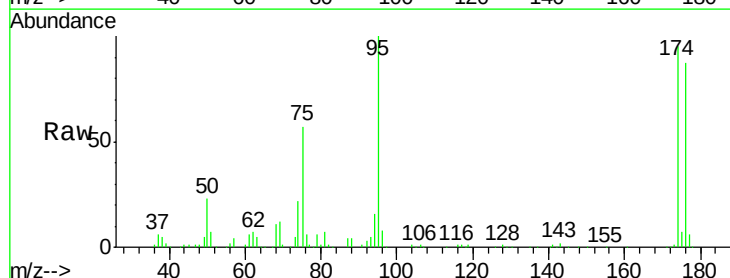
Instrument :
MSVOA_X
ClientSampled :
TB-002

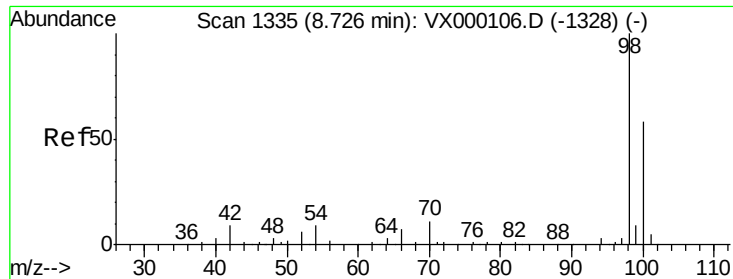
Tot Ion:117 Resp: 122435
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 31.8 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 28.071 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

Tgt Ion: 95 Resp: 56226
Ion Ratio Lower Upper
95 100
174 90.2 71.1 106.7
176 86.8 69.3 103.9

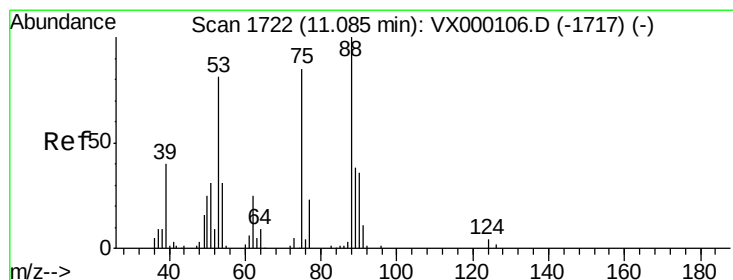
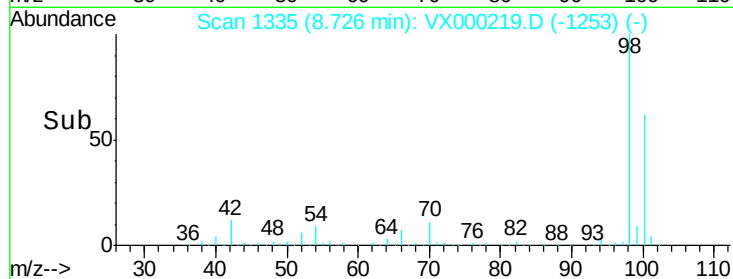
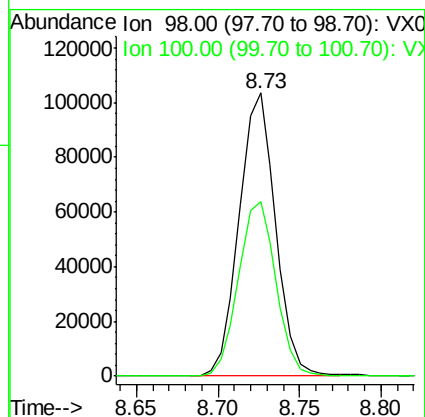
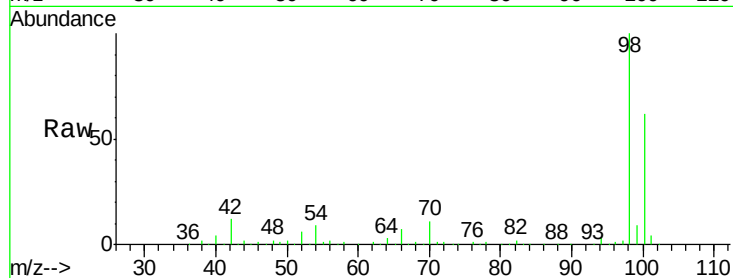




#63
Toluene-d8
Concen: 30.756 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
TB-002

Tot Ion: 98 Resp: 161298
Ion Ratio Lower Upper
98 100
100 63.4 50.0 75.0



#77
t-1,4-Dichloro-2-butene
Concen: 40.248 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000219.D
Acq: 08 Mar 2018 12:56

Tgt Ion: 75 Resp: 32877
Ion Ratio Lower Upper
75 100
53 0.0 47.8 143.3#
89 0.0 22.3 66.8#

