

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003112.D
 Acq On : 01 Jul 2018 07:46
 Operator : JC/MD
 Sample : J3799-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Jul 02 04:59:31 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	275526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209880	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	182513	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	5.51	113	149725	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.72	98	543446	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.14	95	195039	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

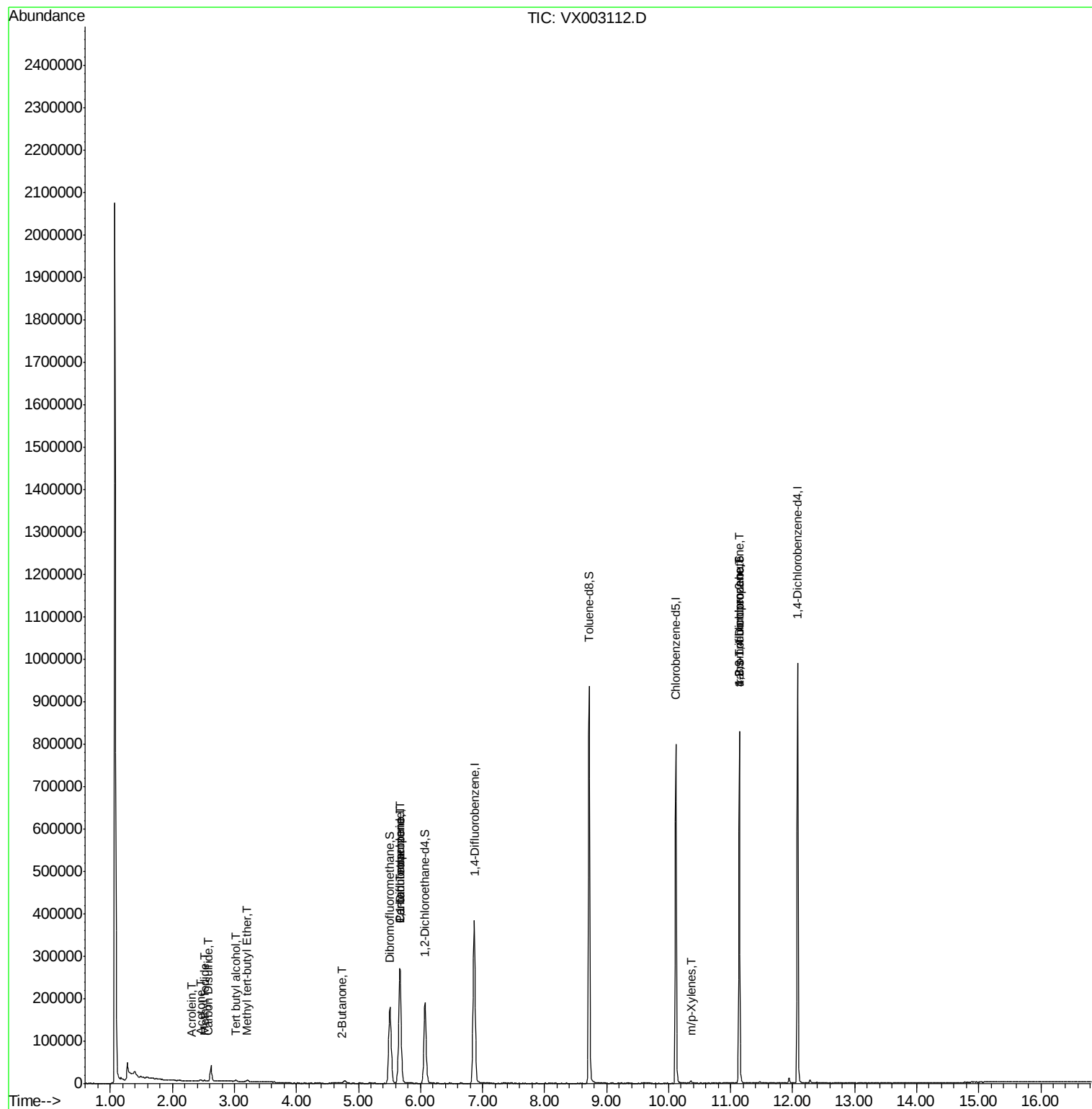
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	19	Below Cal	#	43
3) Chloromethane	1.34	50	1314	Below Cal	#	84
5) Bromomethane	1.67	94	1651	Below Cal	#	80
6) Chloroethane	1.87	64	523	Below Cal	#	43
10) Methyl Iodide	2.52	142	1208	6.57	ug/l	89
11) Tert butyl alcohol	3.03	59	1764	2.33	ug/l #	81
13) Acrolein	2.30	56	121	4.51	ug/l #	14
16) Acetone	2.45	43	3272	2.07	ug/l	99
17) Carbon Disulfide	2.57	76	1495	0.21	ug/l #	79
19) Methyl tert-butyl Ether	3.21	73	4621	0.47	ug/l	99
25) 2-Butanone	4.72	43	569	0.24	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	18078	4.26	ug/l #	42
38) Carbon Tetrachloride	5.67	117	24663	5.30	ug/l #	16
68) m/p-Xylenes	10.36	106	1324	0.22	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	100385	26.41	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	100385	74.82	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

Instrument :

MSVOA_X

ClientSampleId :

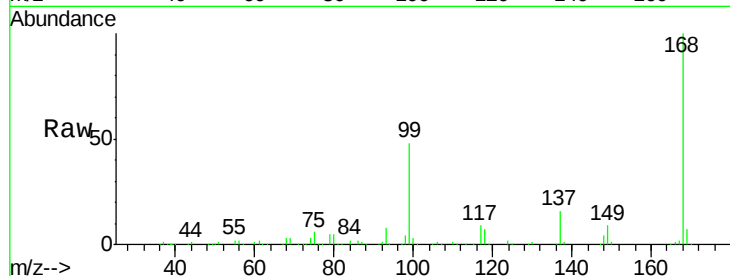
MW-5

Tot Ion:168 Resp: 275526

Ion Ratio Lower Upper

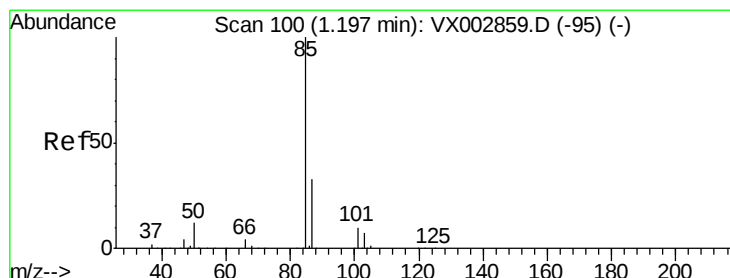
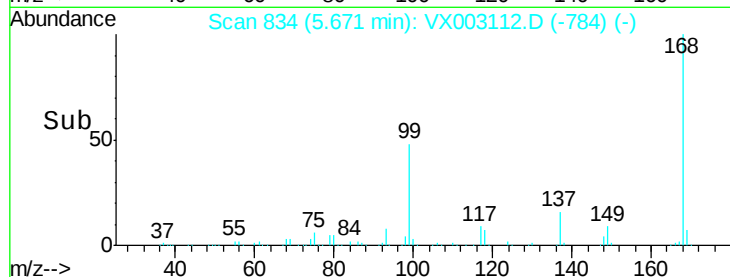
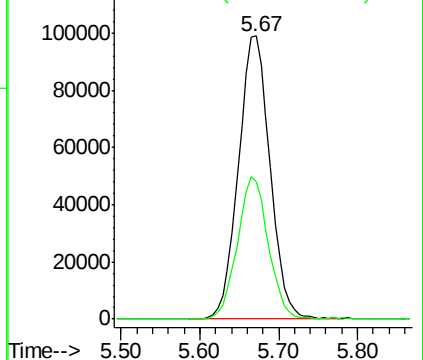
168 100

99 48.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003112.D

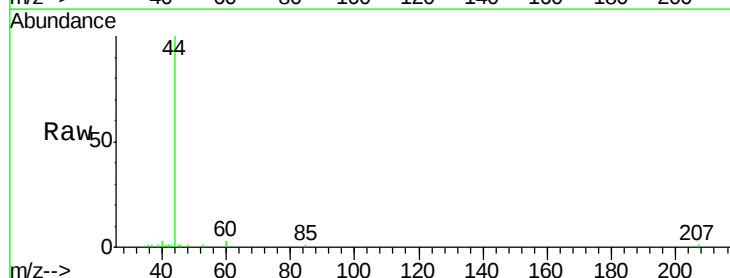
Acq: 01 Jul 2018 07:46

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

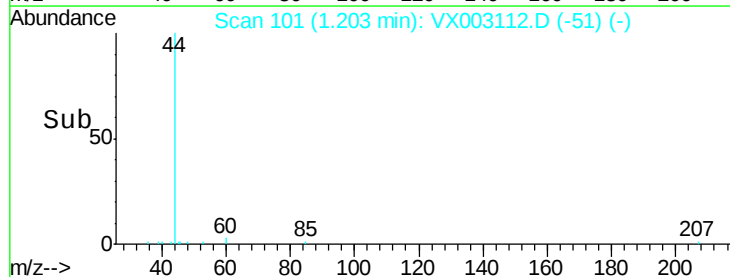
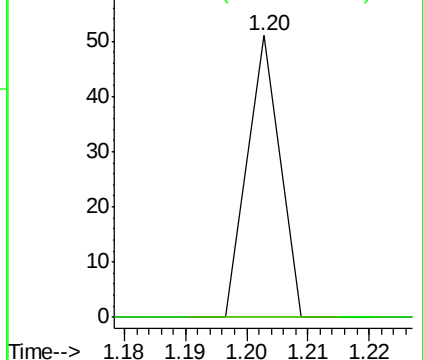
85 100

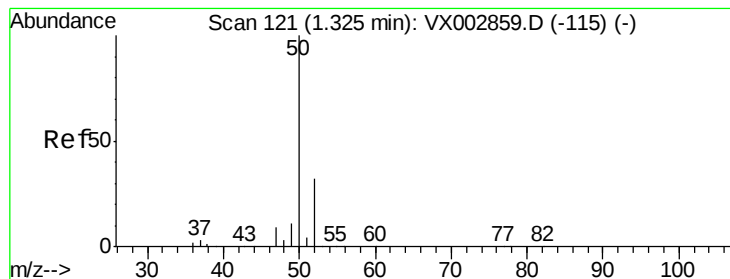
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.34 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

Instrument :

MSVOA_X

ClientSampleId :

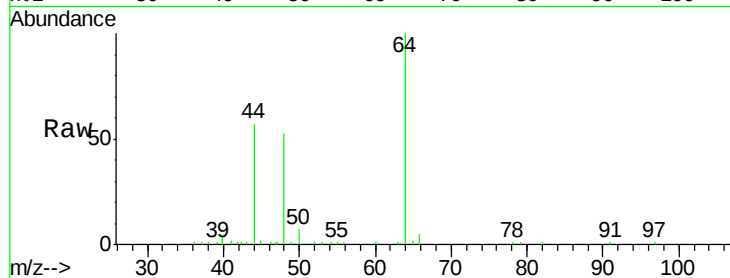
MW-5

Tot Ion: 50 Resp: 1314

Ion Ratio Lower Upper

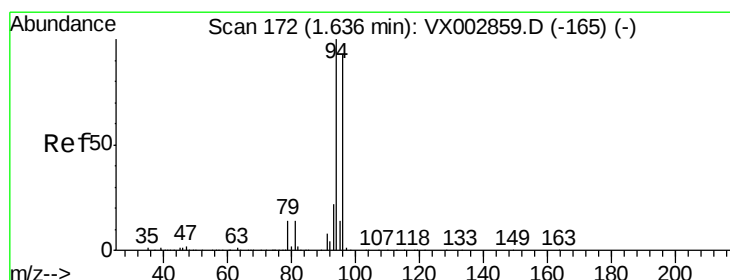
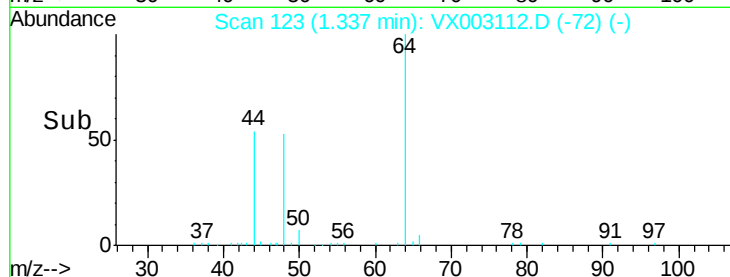
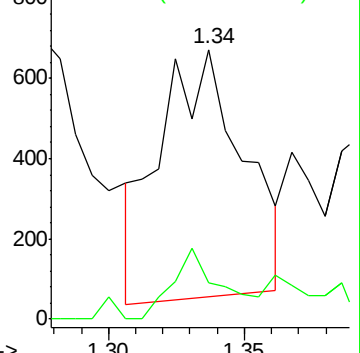
50 100

52 23.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003112.D

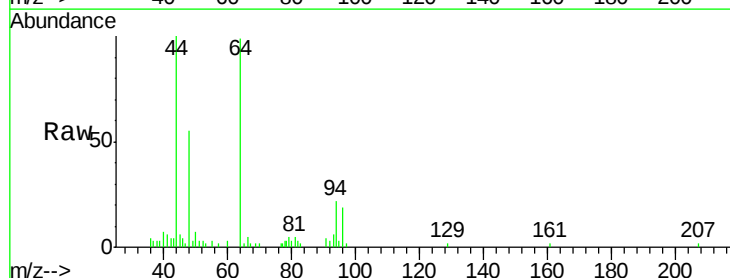
Acq: 01 Jul 2018 07:46

Tgt Ion: 94 Resp: 1651

Ion Ratio Lower Upper

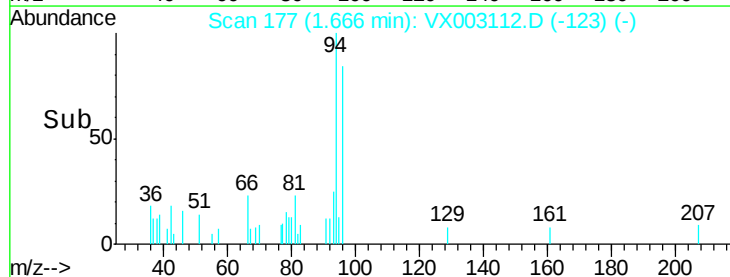
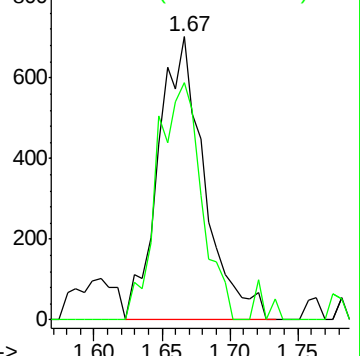
94 100

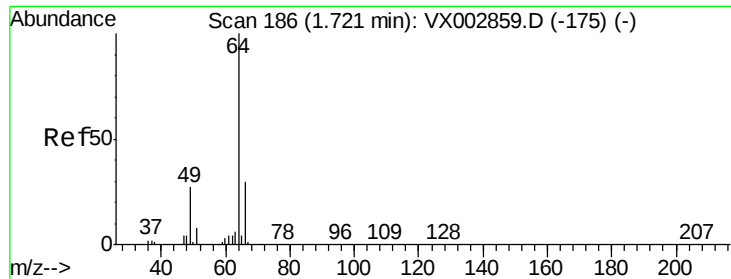
96 74.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.87 min Scan# 210

Delta R.T. 0.15 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

Instrument :

MSVOA_X

ClientSampleId :

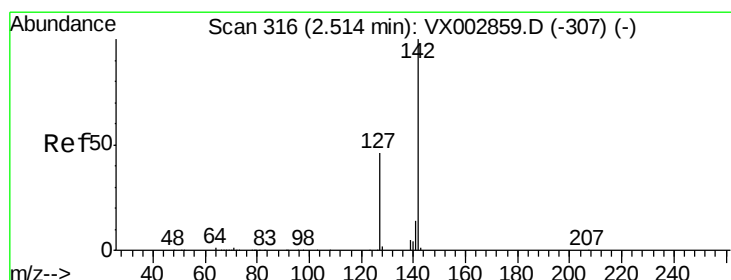
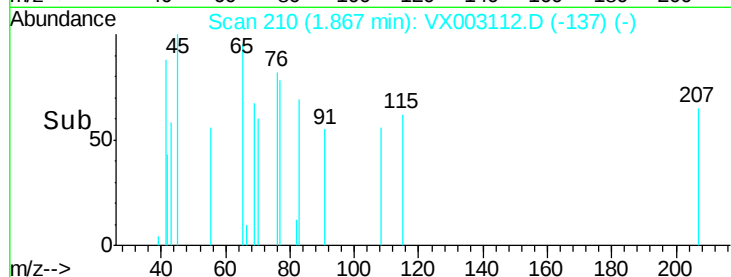
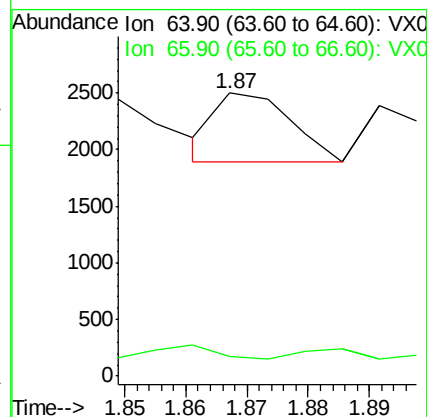
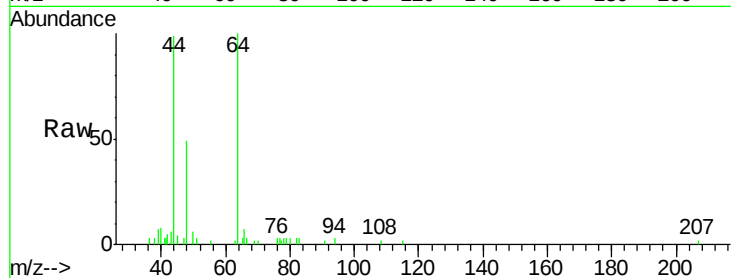
MW-5

Tot Ion: 64 Resp: 523

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 6.57 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

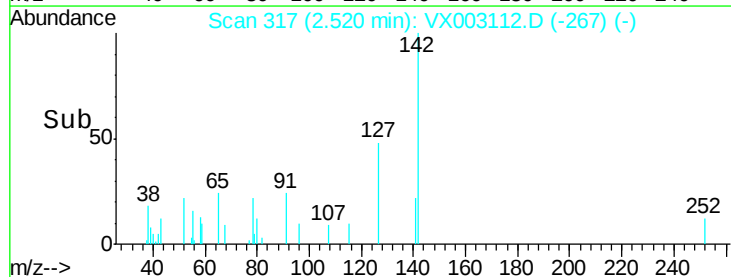
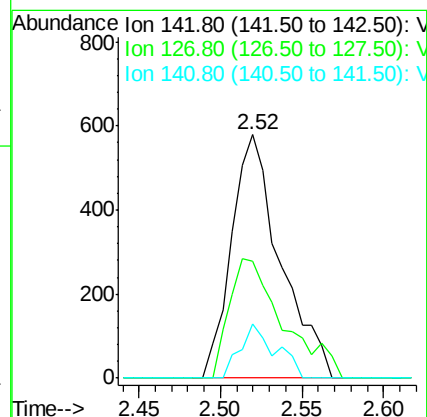
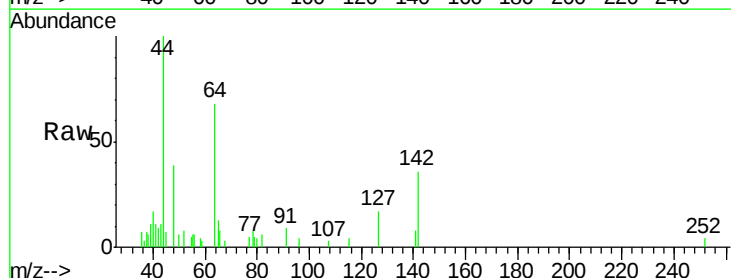
Tgt Ion: 142 Resp: 1208

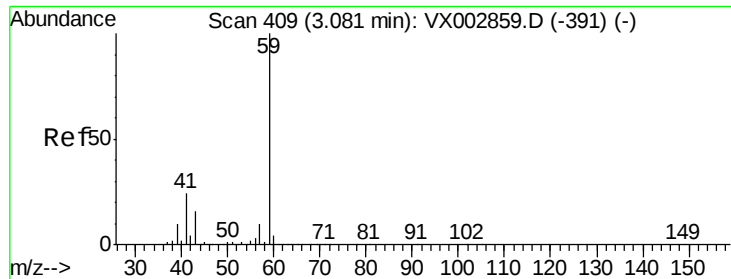
Ion Ratio Lower Upper

142 100

127 54.4 36.6 55.0

141 16.1 11.3 16.9



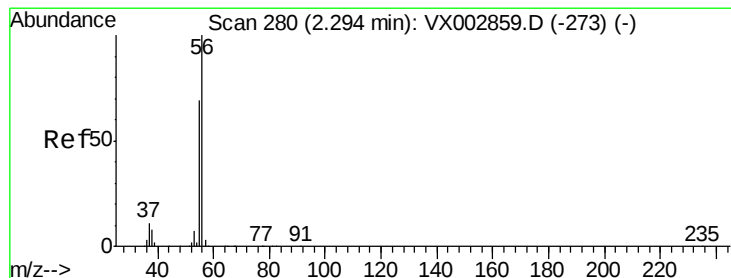
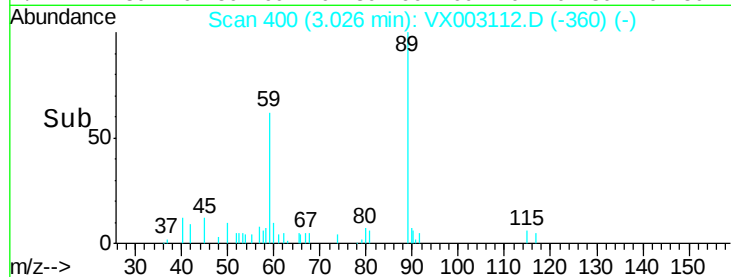
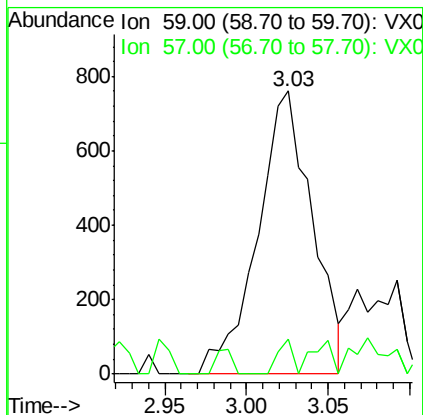
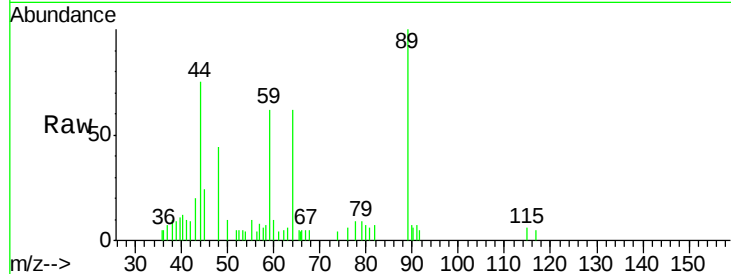


#11

Tert butyl alcohol
 Concen: 2.33 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.06 min
 Lab File: VX003112.D
 Acq: 01 Jul 2018 07:46

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

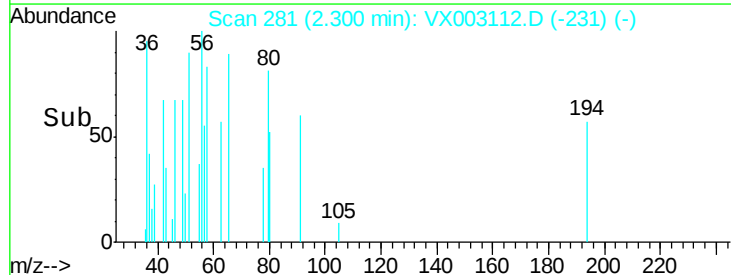
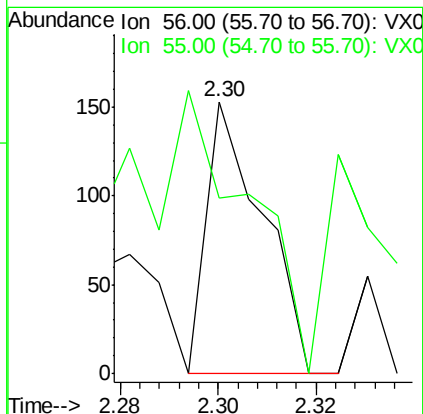
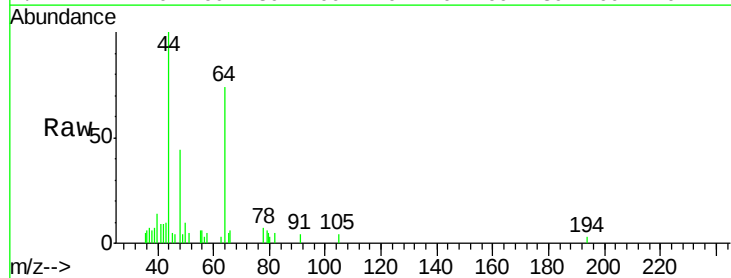
Tot Ion: 59 Resp: 1764
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.2#

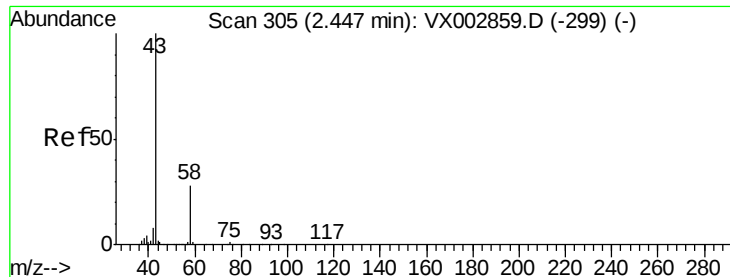


#13

Acrolein
 Concen: 4.51 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX003112.D
 Acq: 01 Jul 2018 07:46

Tgt Ion: 56 Resp: 121
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 2.07 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

Instrument :

MSVOA_X

ClientSampled :

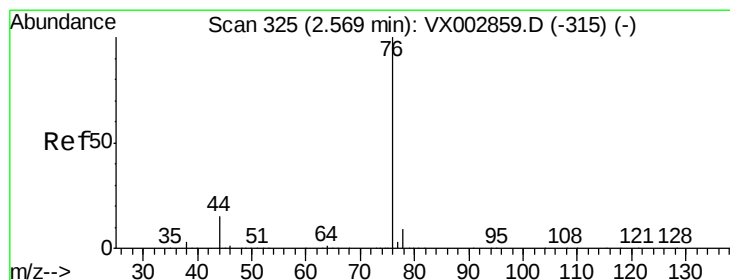
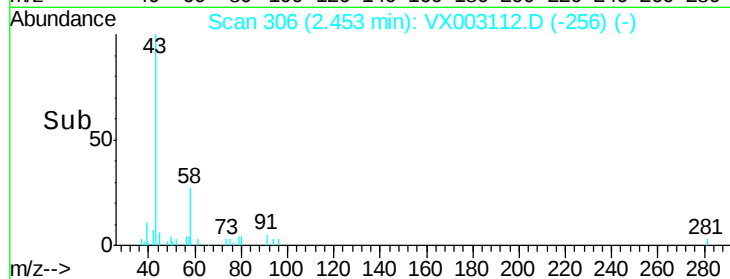
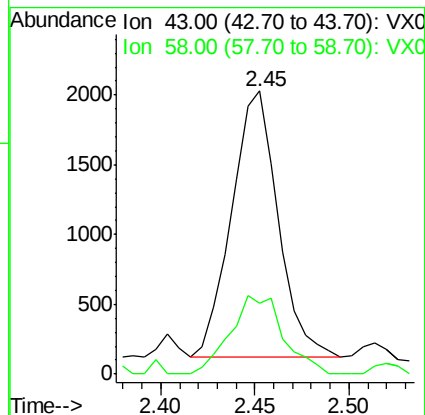
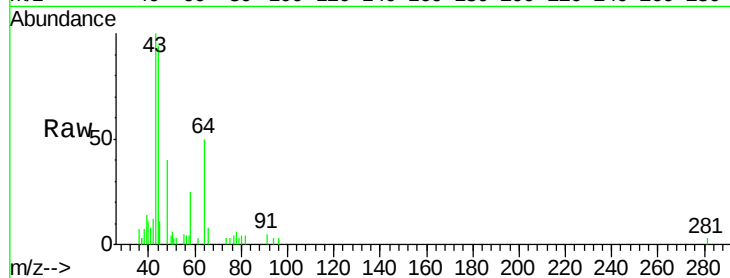
MW-5

Tot Ion: 43 Resp: 3272

Ion Ratio Lower Upper

43 100

58 26.8 22.1 33.1



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003112.D

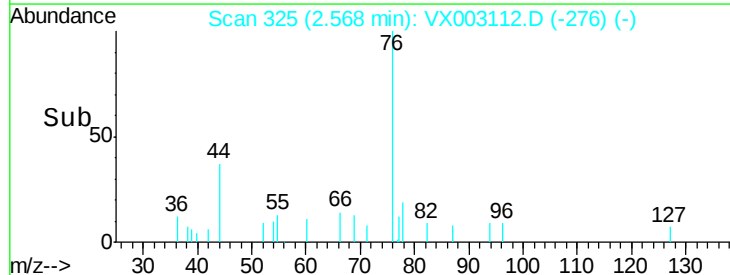
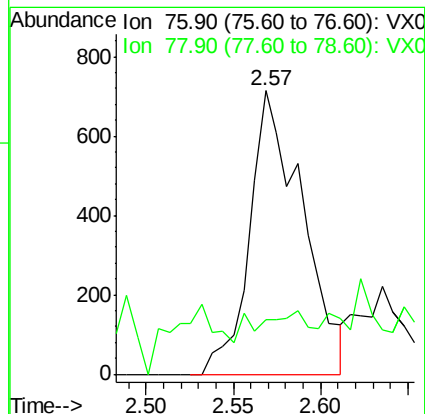
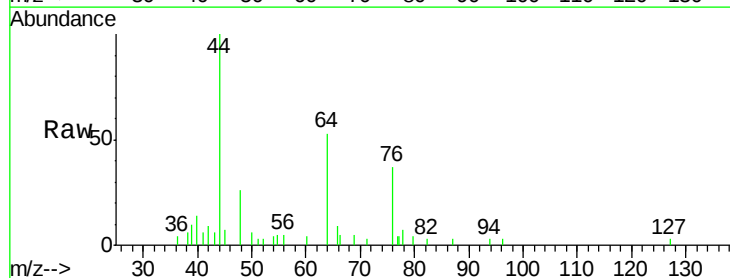
Acq: 01 Jul 2018 07:46

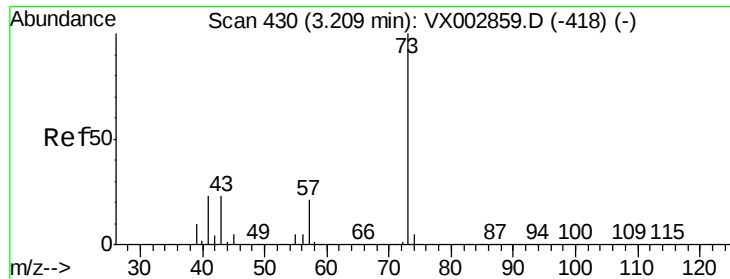
Tgt Ion: 76 Resp: 1495

Ion Ratio Lower Upper

76 100

78 1.1 6.9 10.3#

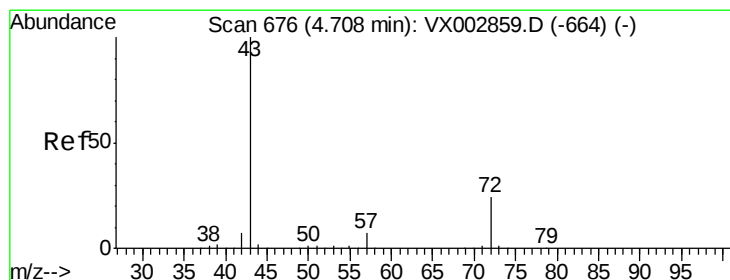
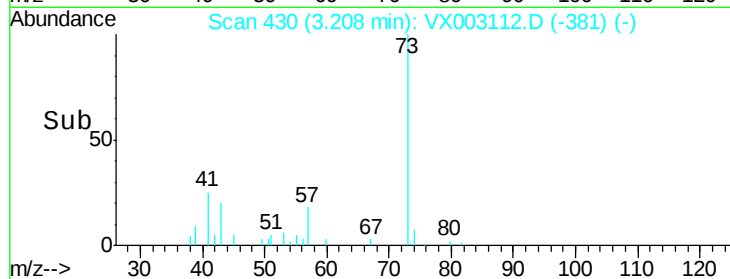
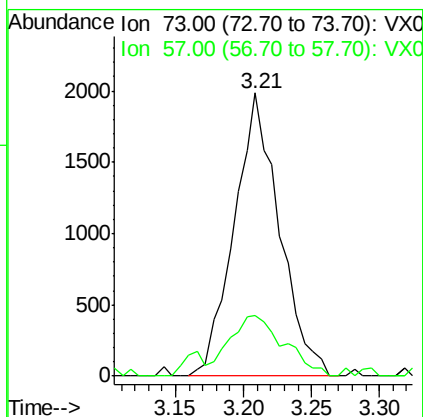
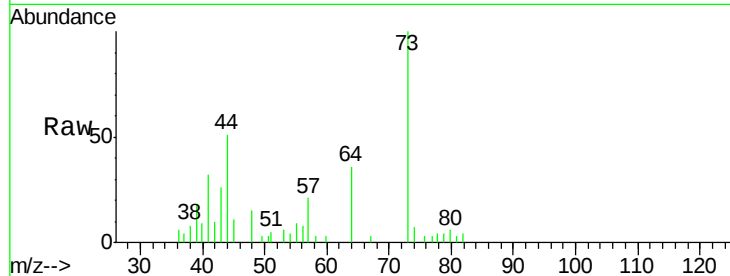




#19
Methvl tert-butvl Ether
Concen: 0.47 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

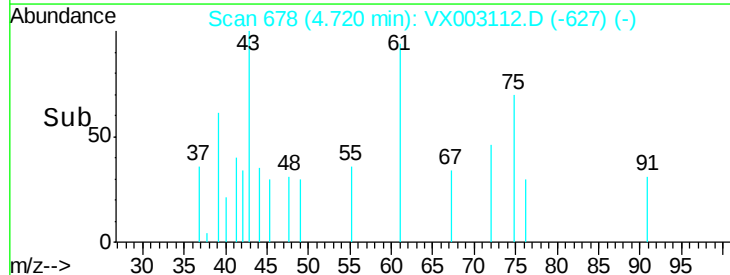
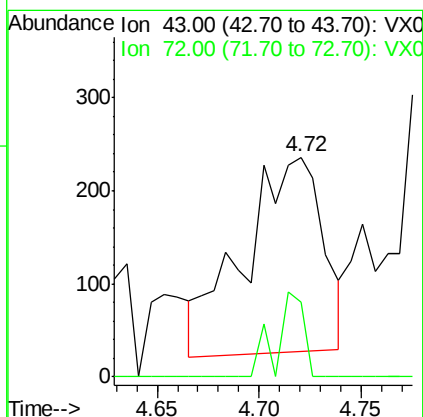
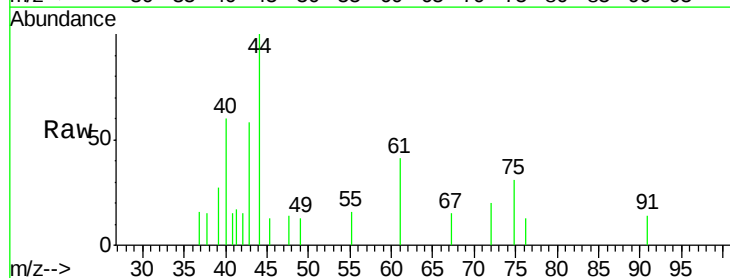
Instrument :
MSVOA_X
ClientSampleId :
MW-5

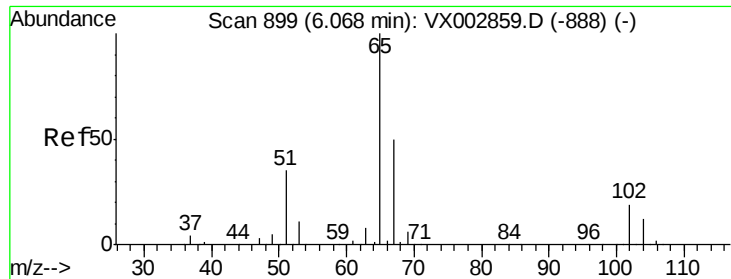
Tot Ion: 73 Resp: 4621
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#25
2-Butanone
Concen: 0.24 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
72 52.6 18.5 27.7#

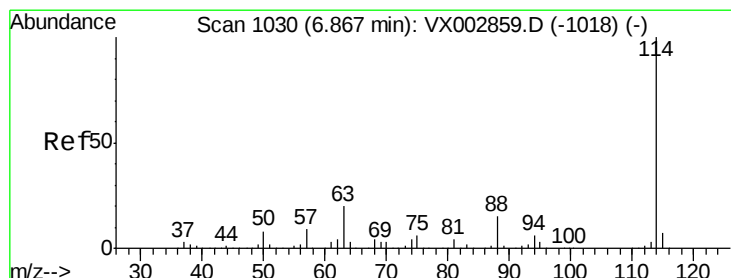
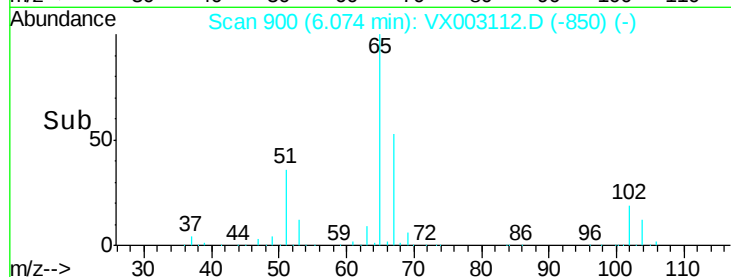
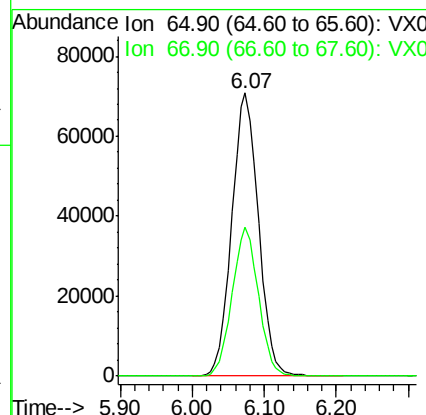
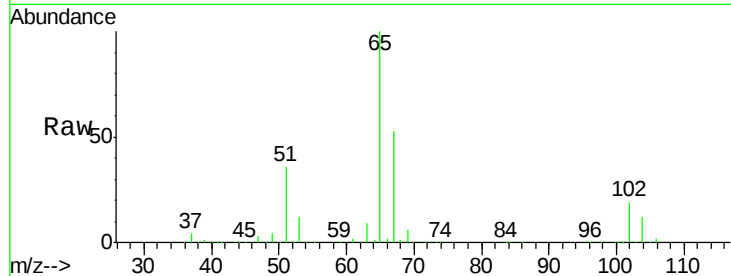




#33
 1,2-Dichloroethane-d4
 Concen: 47.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003112.D
 Acq: 01 Jul 2018 07:46

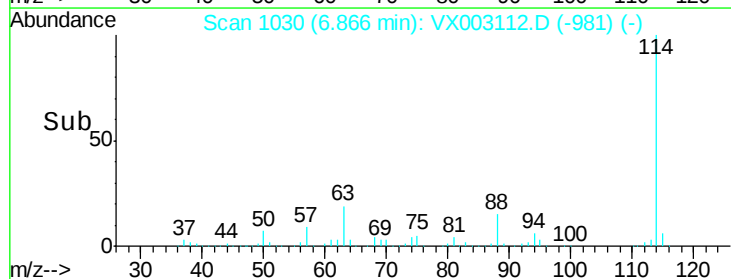
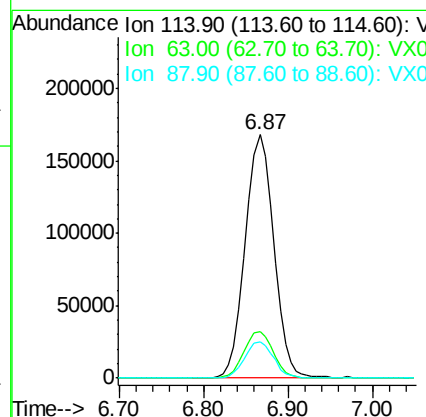
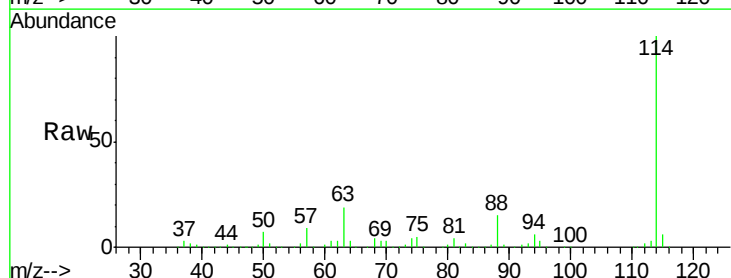
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

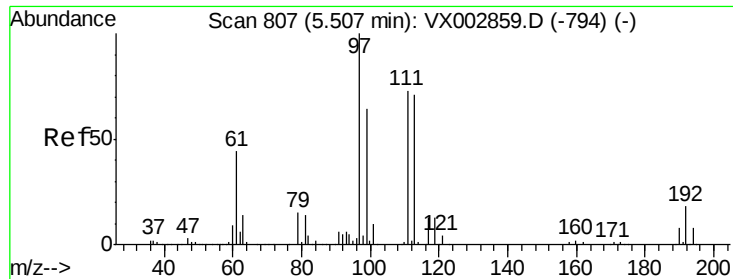
Tot Ion: 65 Resp: 182513
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003112.D
 Acq: 01 Jul 2018 07:46

Tgt Ion: 114 Resp: 386894
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.87 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

Instrument :

MSVOA_X

ClientSampleId :

MW-5

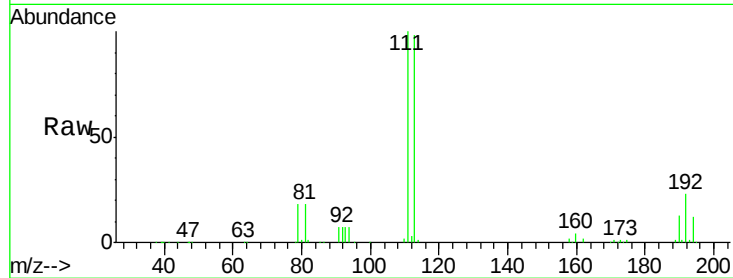
Tot Ion:113 Resp: 149725

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

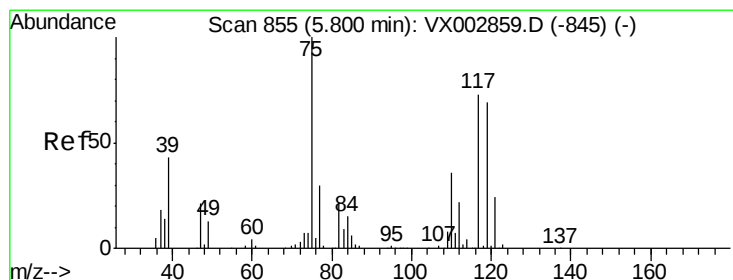
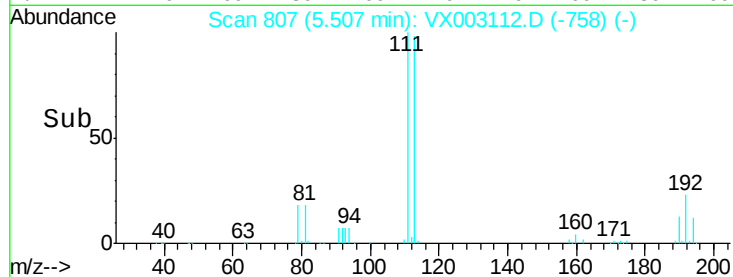
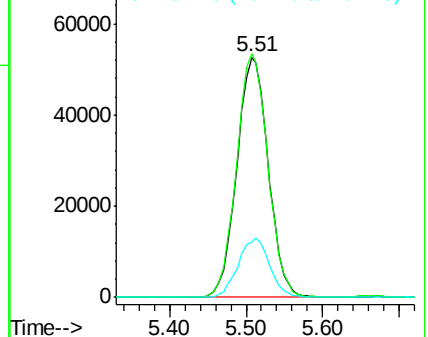
192 24.8 19.1 28.7



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: 4.26 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003112.D

Acq: 01 Jul 2018 07:46

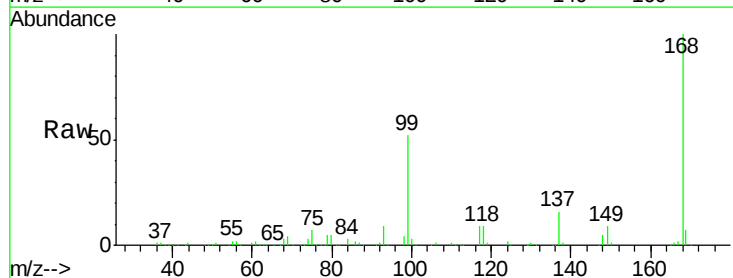
Tgt Ion: 75 Resp: 18078

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

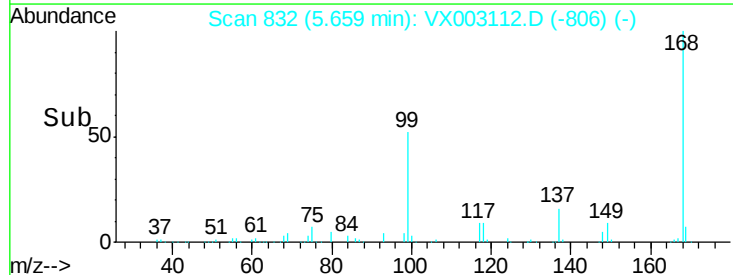
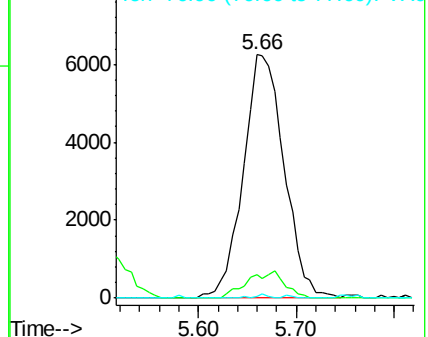
77 0.5 24.3 36.5#

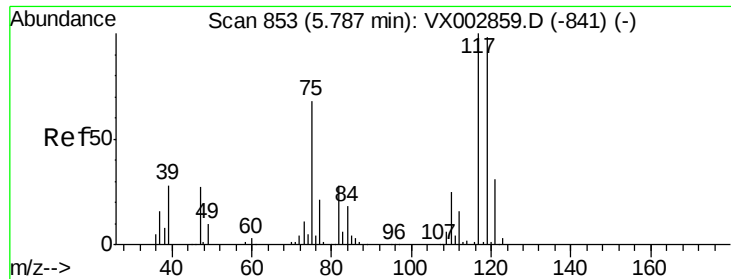


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

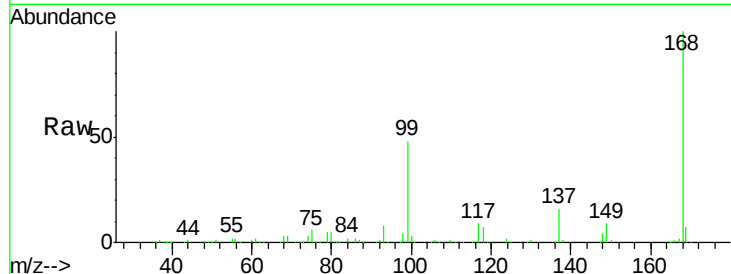




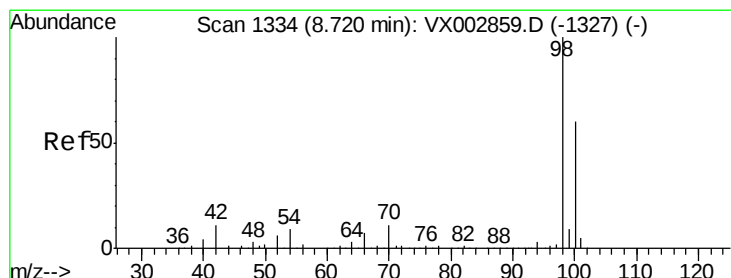
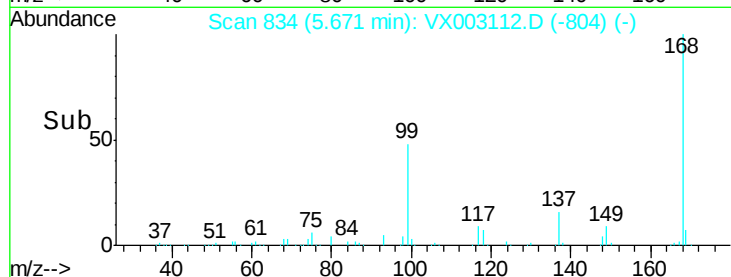
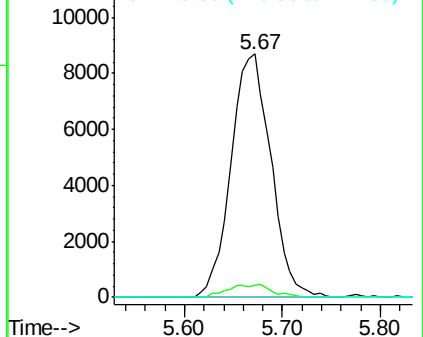
#38
Carbon Tetrachloride
Concen: 5.30 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion:117 Resp: 24663
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.4 36.6#

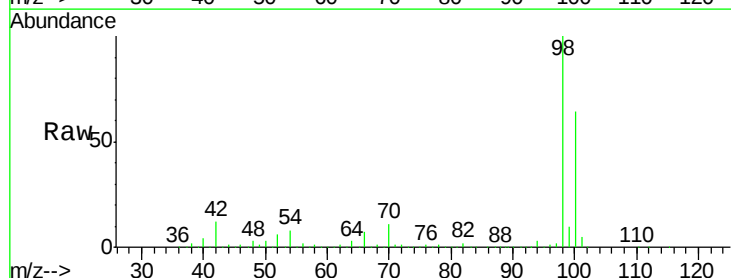


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

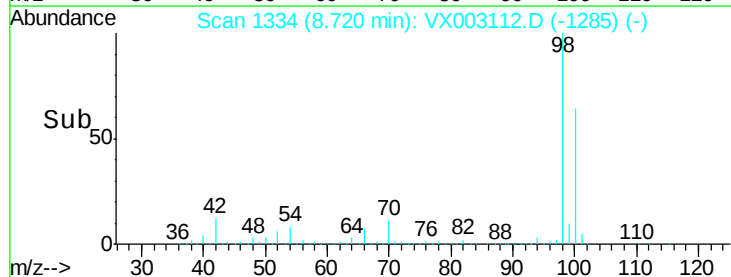
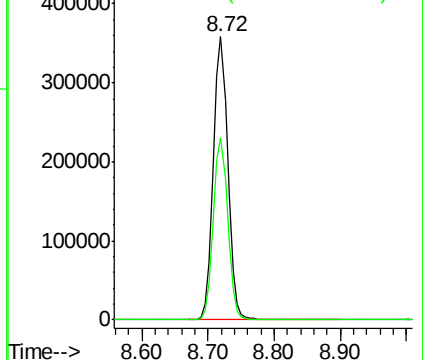


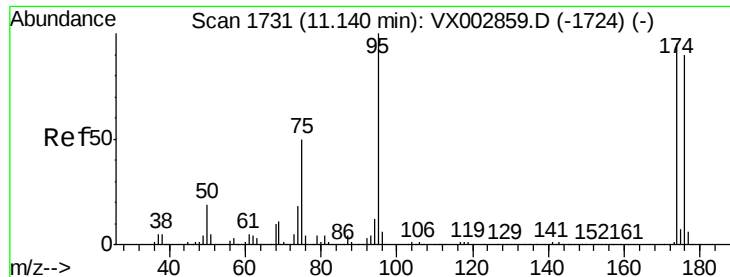
#50
Toluene-d8
Concen: 48.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

Tgt Ion: 98 Resp: 543446
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

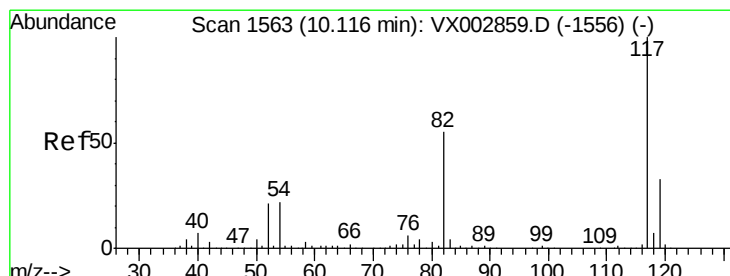
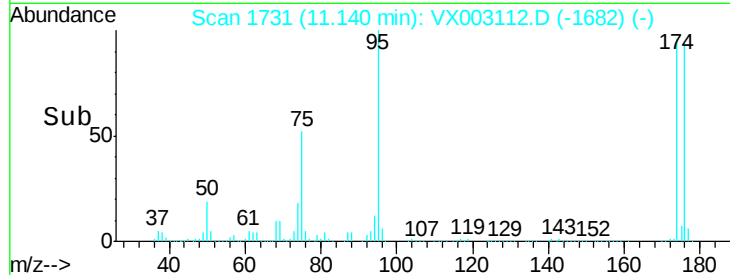
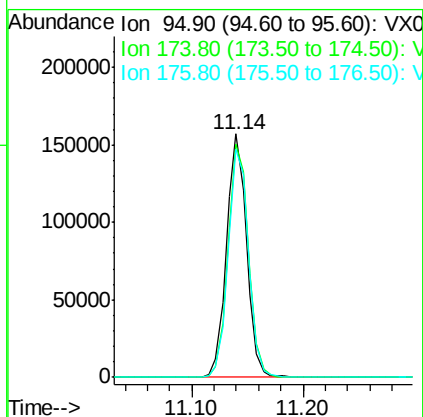
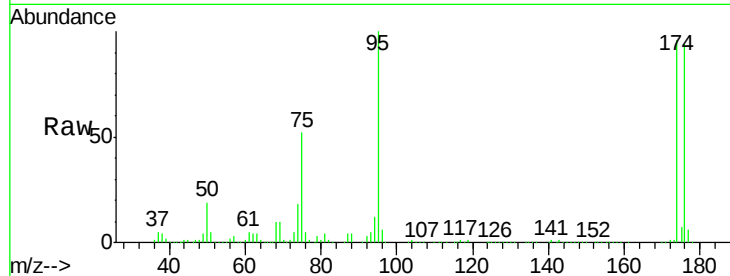




#62
4-Bromofluorobenzene
Concen: 45.20 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

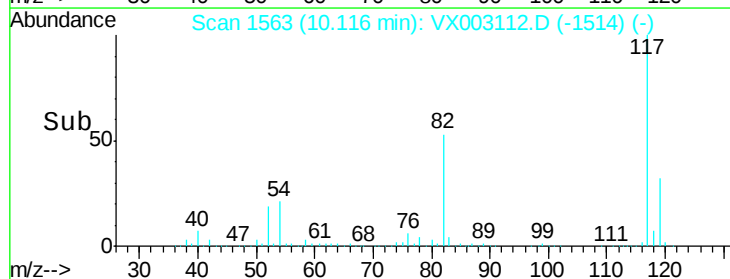
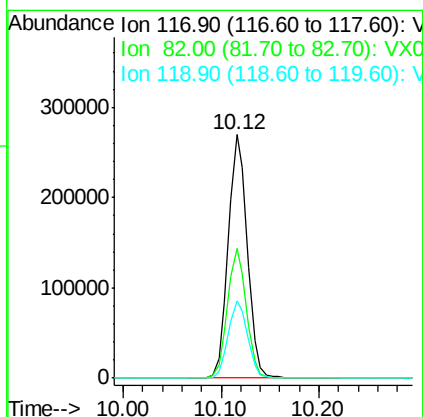
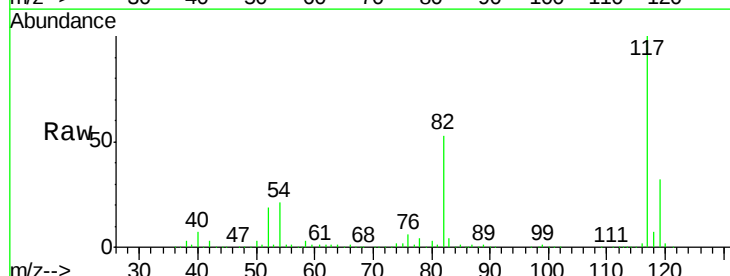
Instrument :
MSVOA_X
ClientSampled :
MW-5

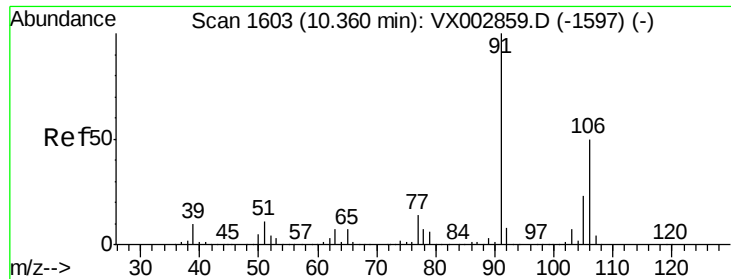
Tot Ion: 95 Resp: 195039
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 95.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

Tgt Ion: 117 Resp: 364768
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 31.6 25.8 38.6

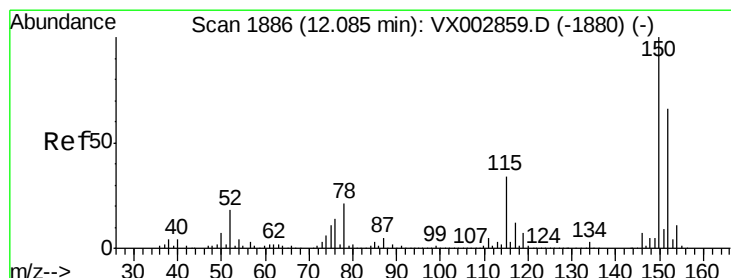
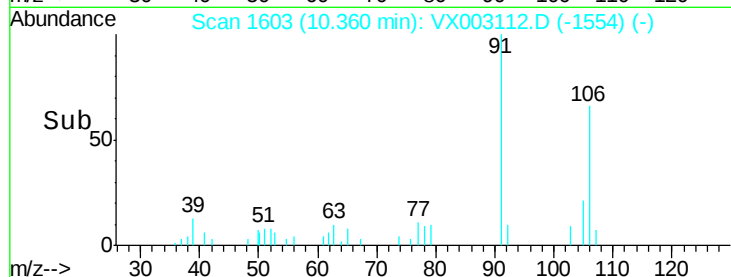
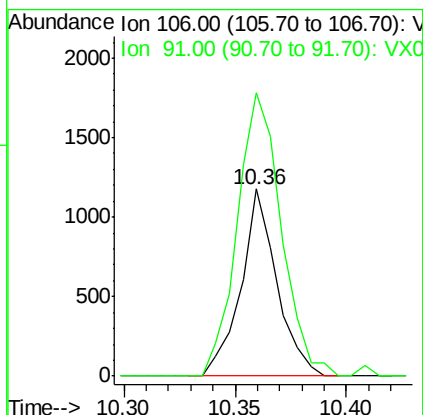
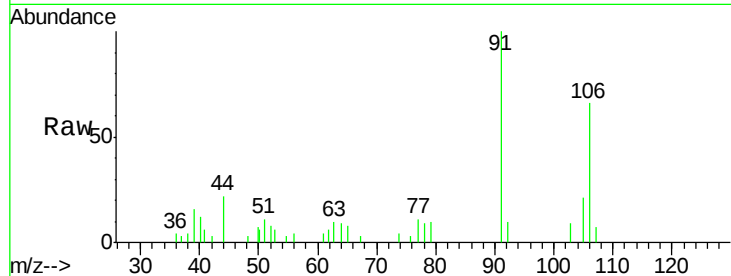




#68
m/p-Xvlenes
Concen: 0.22 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

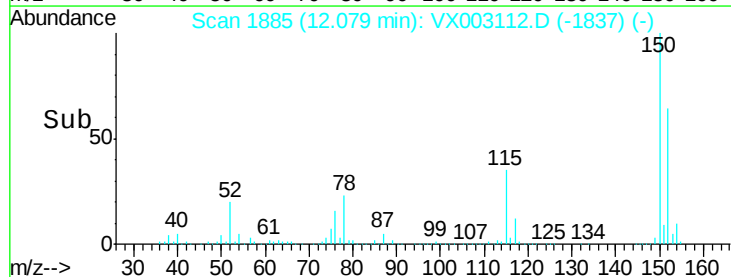
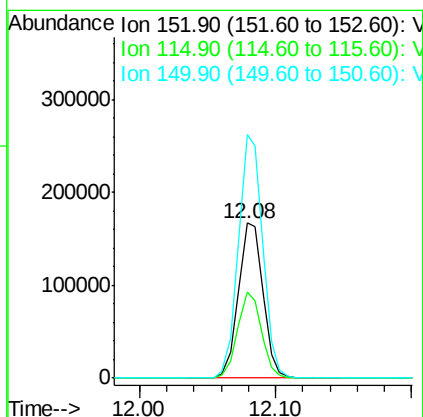
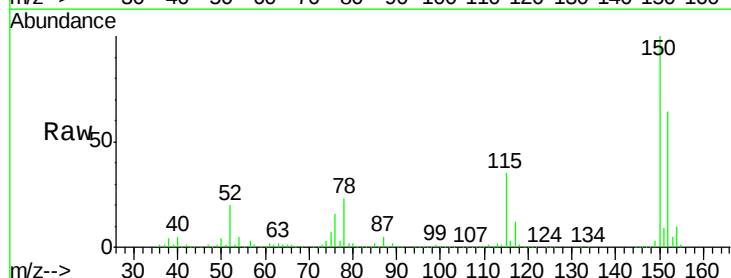
Instrument :
MSVOA_X
ClientSampleId :
MW-5

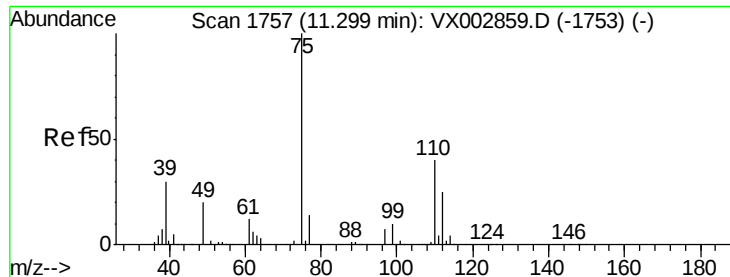
Tot Ion:106 Resp: 1324
Ion Ratio Lower Upper
106 100
91 185.4 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003112.D
Acq: 01 Jul 2018 07:46

Tgt Ion:152 Resp: 209880
Ion Ratio Lower Upper
152 100
115 53.8 40.1 120.2
150 154.9 0.0 347.2

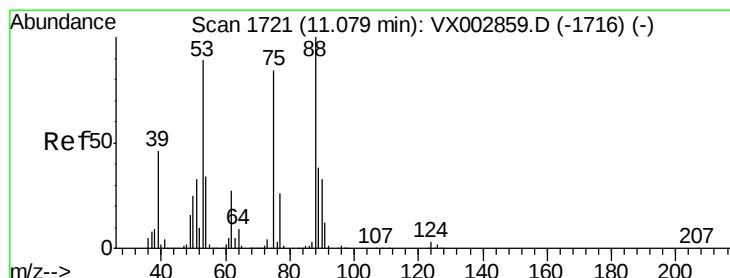
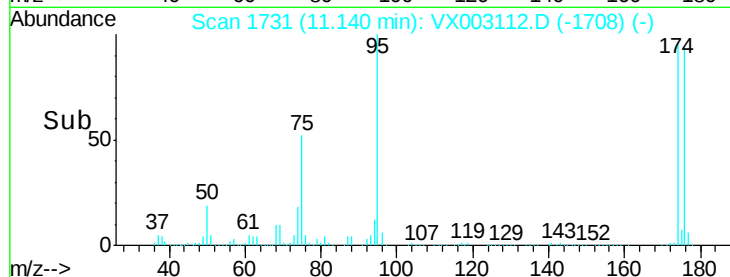
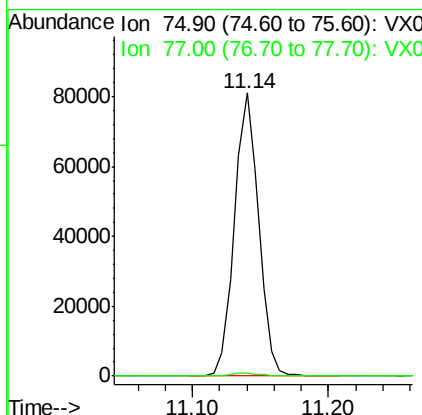
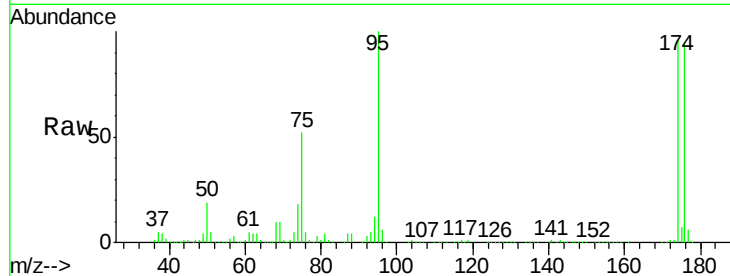




#76
 1,2,3-Trichloropropane
 Concen: 26.41 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003112.D
 Acq: 01 Jul 2018 07:46

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tot Ion: 75 Resp: 100385
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003112.D
 Acq: 01 Jul 2018 07:46

Tgt Ion: 75 Resp: 100385
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

