

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063018\
 Data File : VX003106.D
 Acq On : 01 Jul 2018 05:07
 Operator : JC/MD
 Sample : J3800-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Jul 02 04:58:01 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	299314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	406065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218073	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	188781	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
35) Dibromofluoromethane	5.51	113	161348	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	8.72	98	565143	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.14	95	203608	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

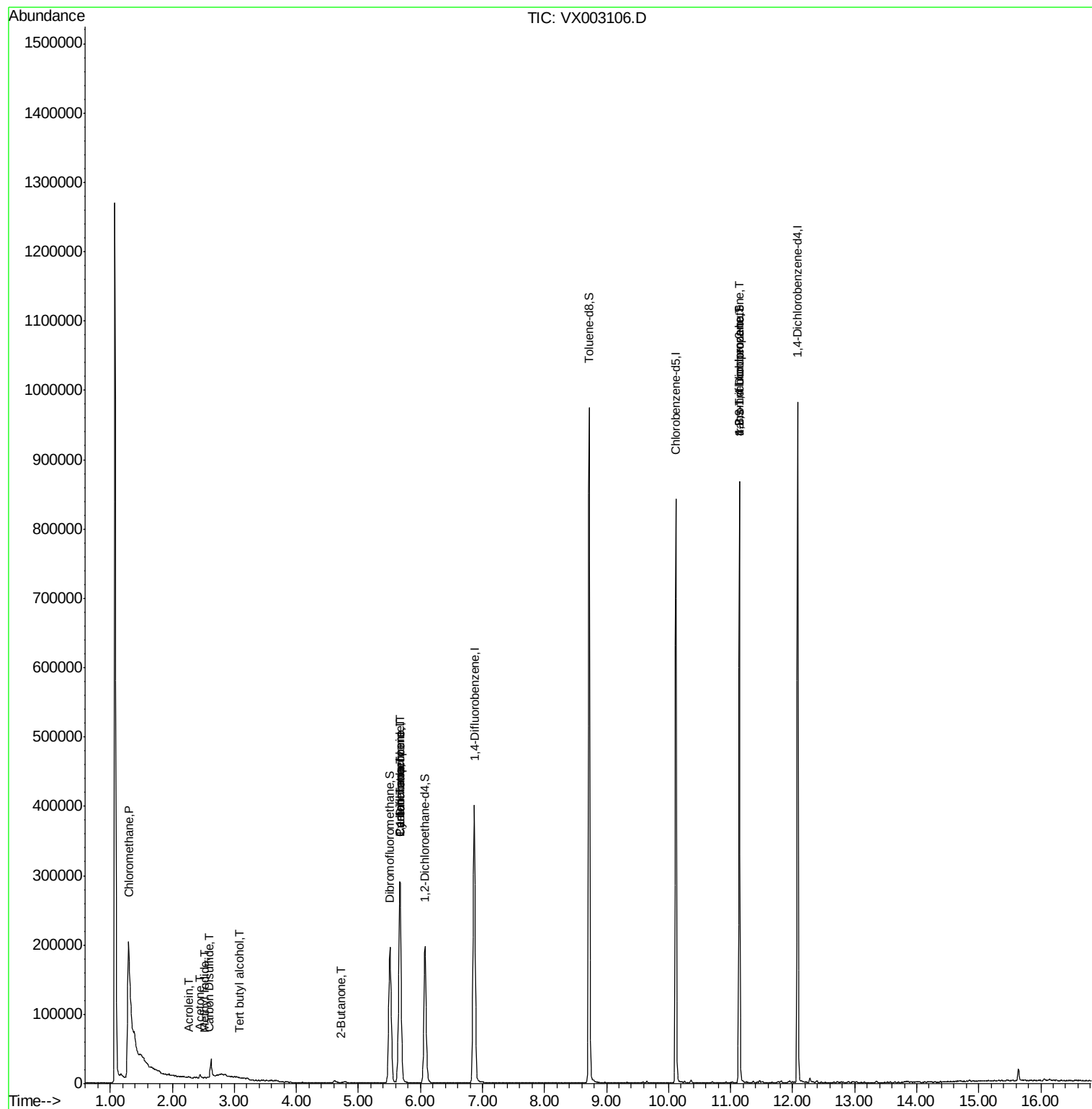
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	24	Below Cal	#	43
3) Chloromethane	1.29	50	12913	3.55	ug/l #	46
5) Bromomethane	1.66	94	1774	Below Cal		96
10) Methyl Iodide	2.52	142	1543	6.63	ug/l	96
11) Tert butyl alcohol	3.09	59	431	0.52	ug/l #	45
13) Acrolein	2.27	56	155	4.56	ug/l #	75
16) Acetone	2.45	43	5175	3.02	ug/l	98
17) Carbon Disulfide	2.58	76	3148	0.40	ug/l	98
25) 2-Butanone	4.71	43	574	0.23	ug/l #	52
31) Cyclohexane	5.67	56	5005	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19414	4.36	ug/l #	51
38) Carbon Tetrachloride	5.67	117	27065	5.54	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	102774	26.02	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	102774	73.78	ug/l #	7

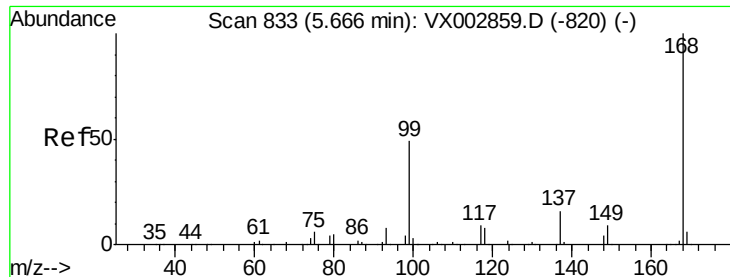
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

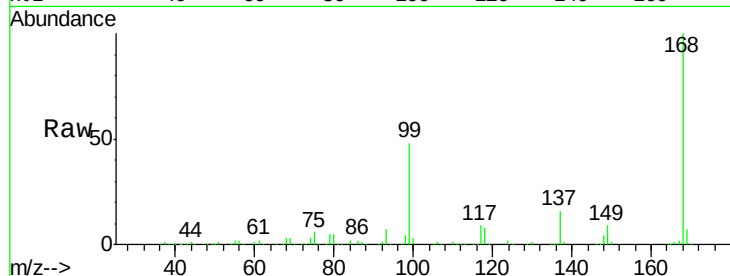
MW-11

Tot Ion:168 Resp: 299314

Ion Ratio Lower Upper

168 100

99 47.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

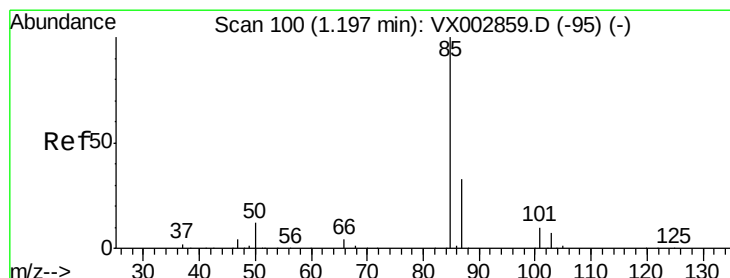
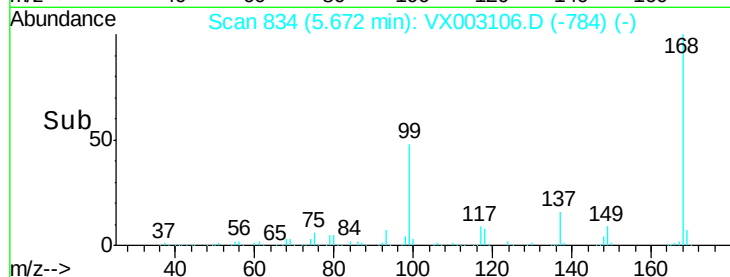
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003106.D

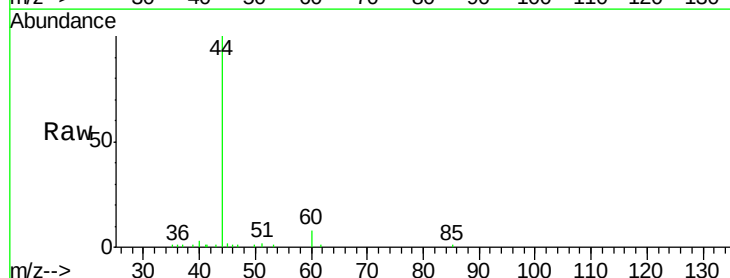
Acq: 01 Jul 2018 05:07

Tgt Ion: 85 Resp: 24

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

1.20

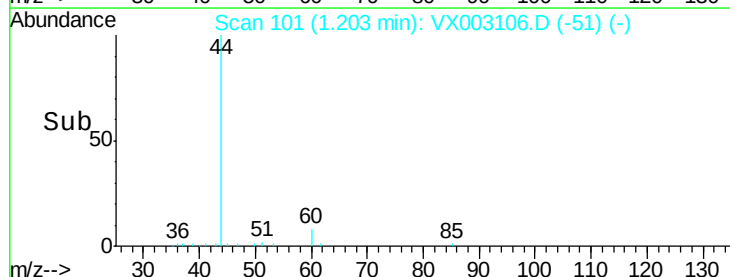
60

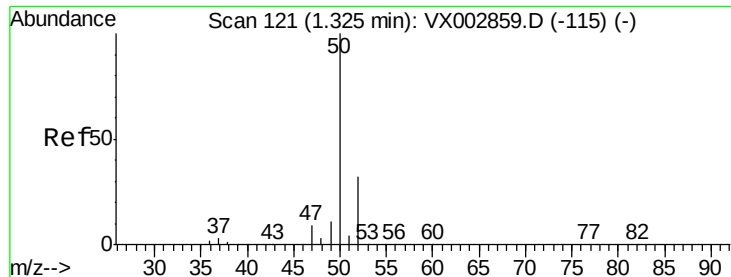
40

20

0

Time--> 1.18 1.19 1.20 1.21 1.22





#3

Chloromethane

Concen: 3.55 ua/l

RT: 1.29 min Scan# 116

Delta R.T. -0.03 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

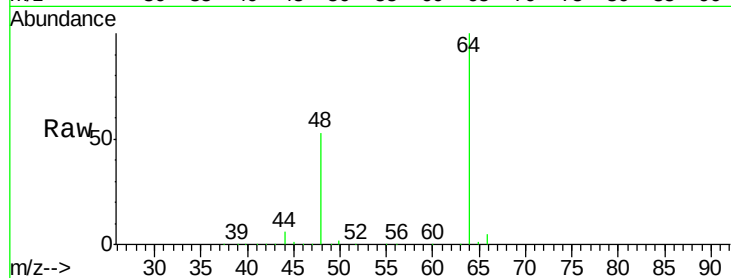
MW-11

Tot Ion: 50 Resp: 12913

Ion Ratio Lower Upper

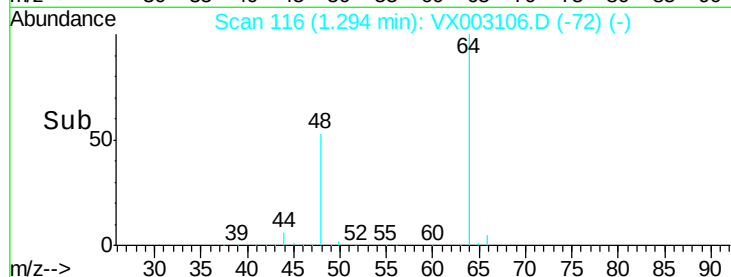
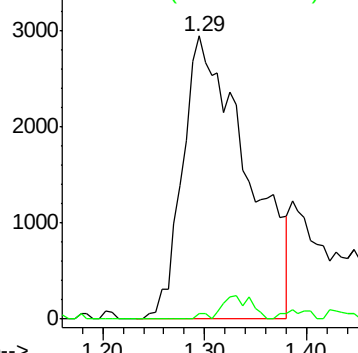
50 100

52 2.0 25.7 38.5#

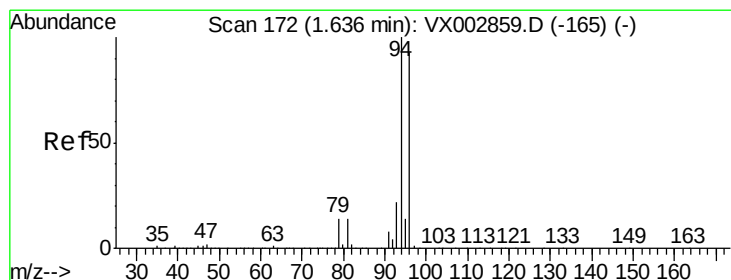


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003106.D

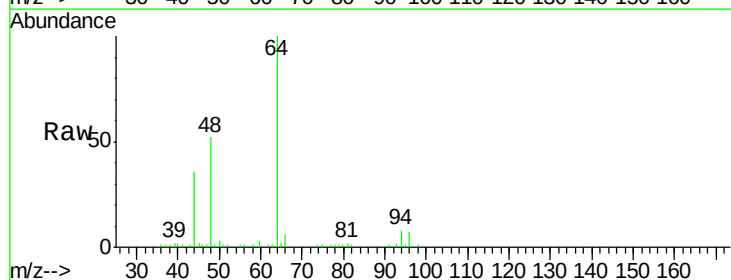
Acq: 01 Jul 2018 05:07

Tgt Ion: 94 Resp: 1774

Ion Ratio Lower Upper

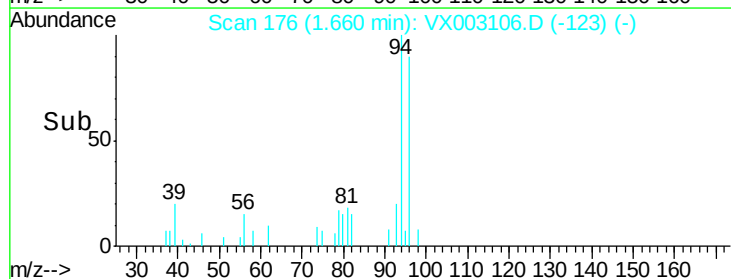
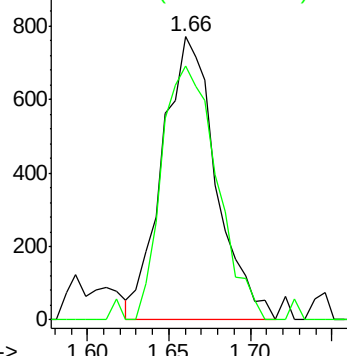
94 100

96 89.9 74.9 112.3

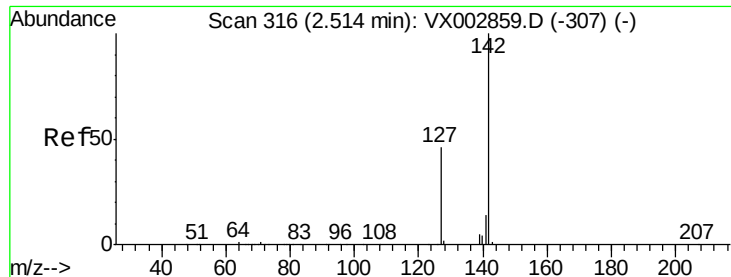


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



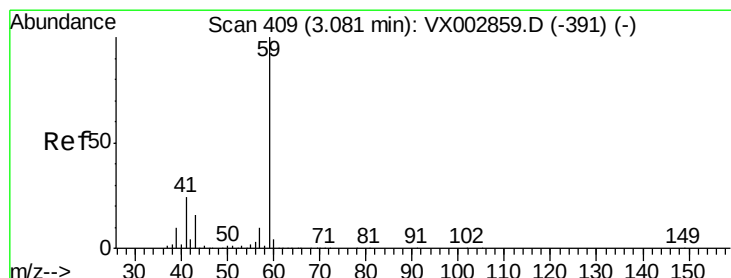
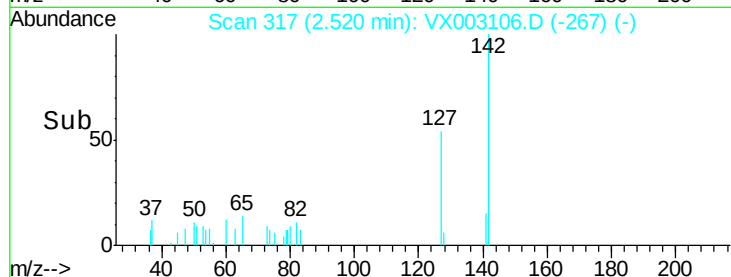
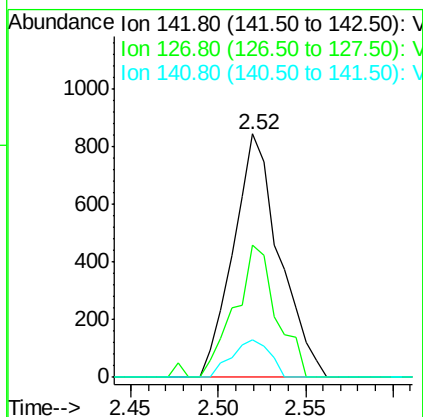
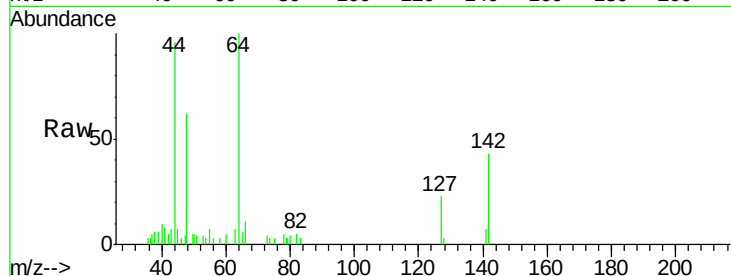
Time-->



#10
Methvl Iodide
Concen: 6.63 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003106.D
Acq: 01 Jul 2018 05:07

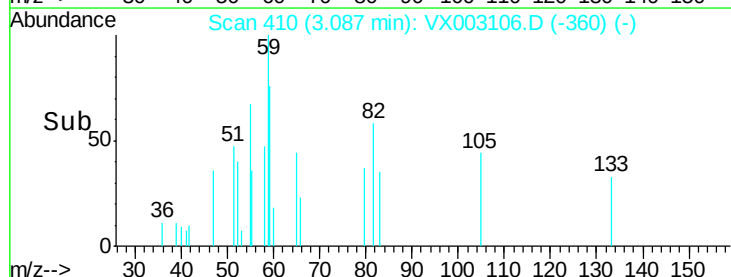
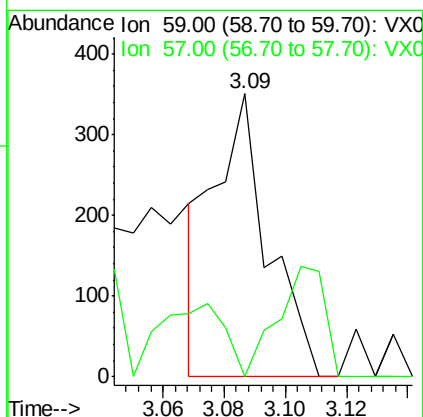
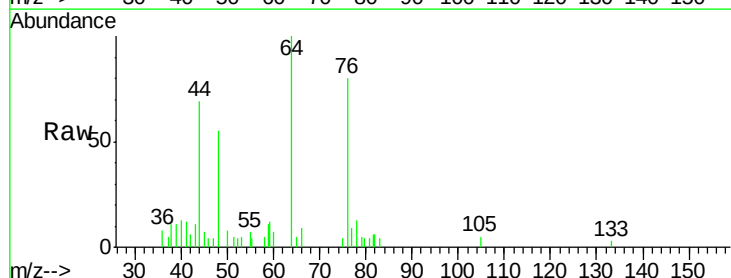
Instrument :
MSVOA_X
ClientSampled :
MW-11

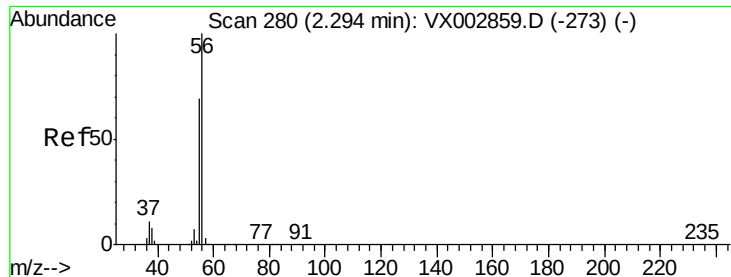
Tot Ion:142 Resp: 1543
Ion Ratio Lower Upper
142 100
127 48.8 36.6 55.0
141 12.7 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003106.D
Acq: 01 Jul 2018 05:07

Tgt Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 30.6 8.2 12.2#





#13

Acrolein

Concen: 4.56 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

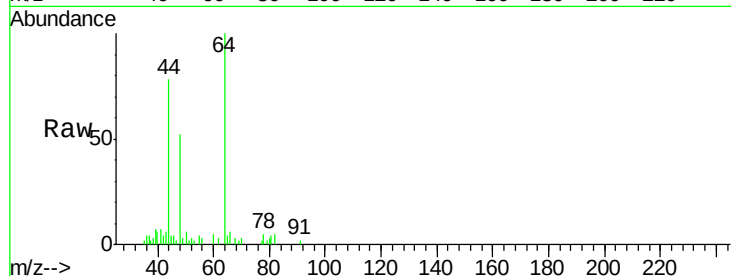
MW-11

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

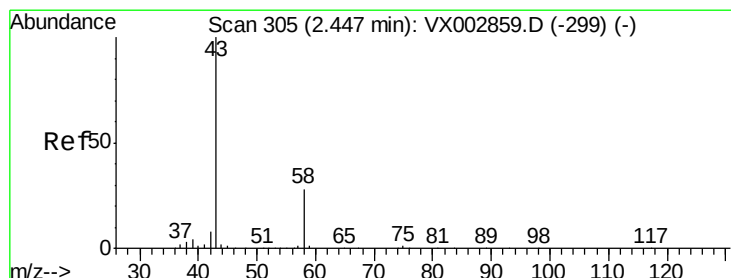
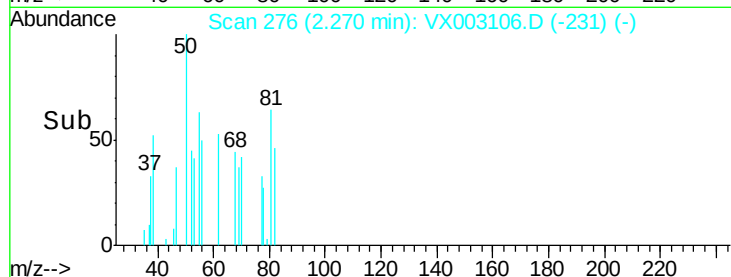
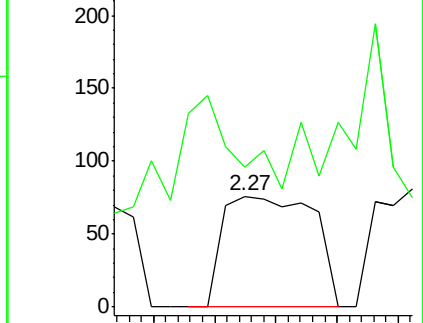
56 100

55 91.6 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.02 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003106.D

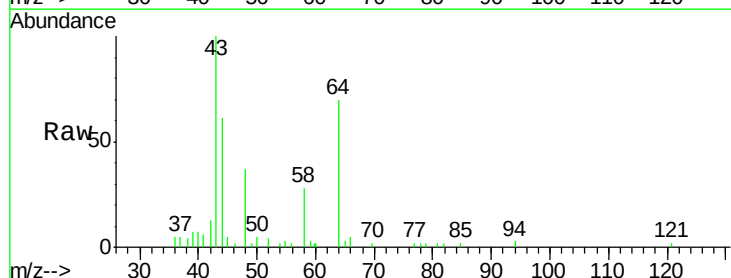
Acq: 01 Jul 2018 05:07

Tgt Ion: 43 Resp: 5175

Ion Ratio Lower Upper

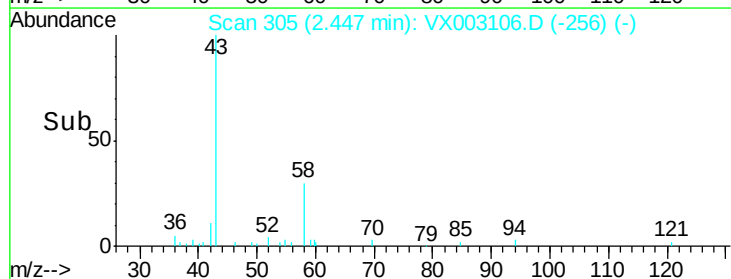
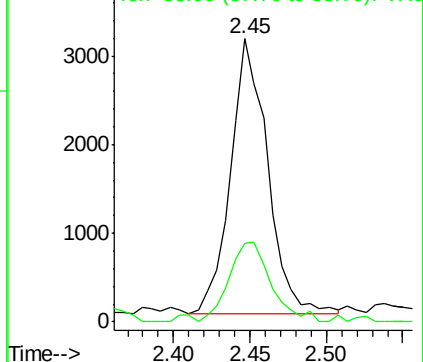
43 100

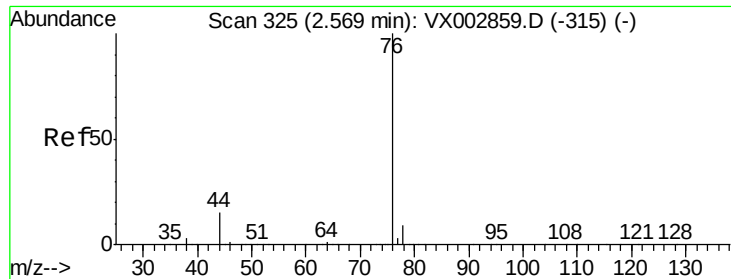
58 26.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

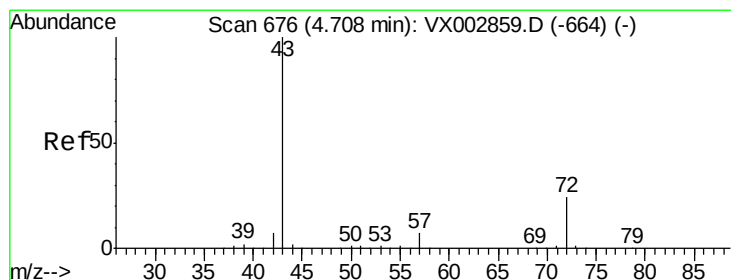
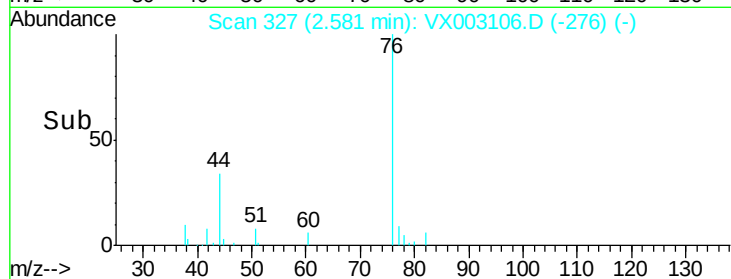
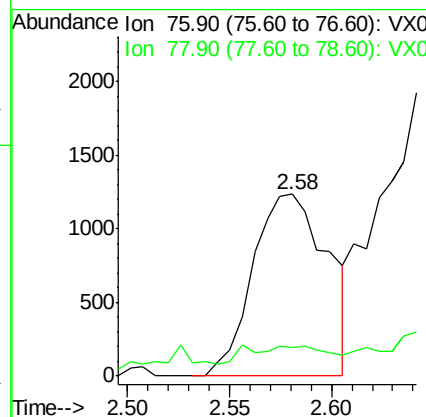
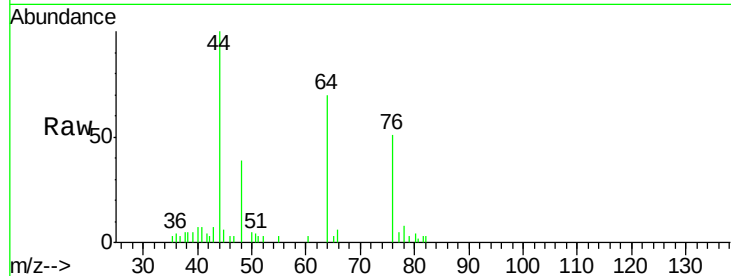




#17
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX003106.D
Acq: 01 Jul 2018 05:07

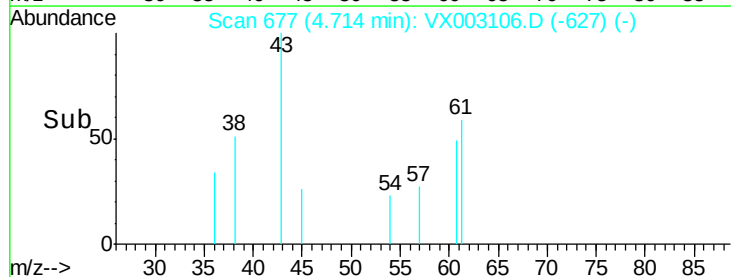
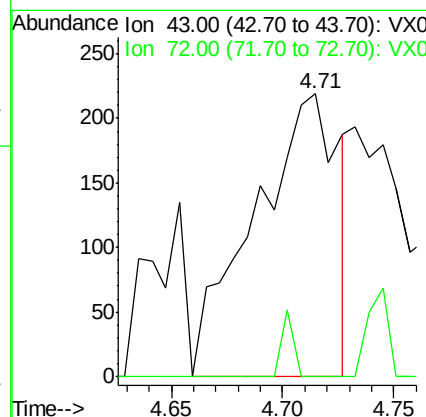
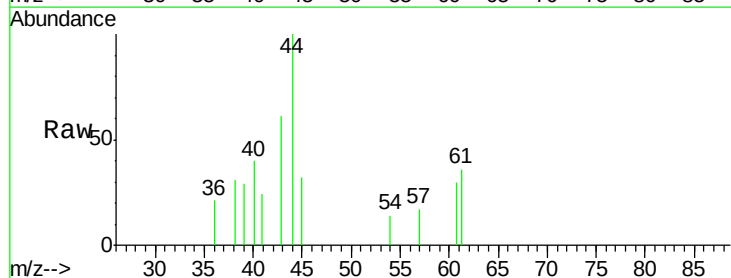
Instrument :
MSVOA_X
ClientSampled :
MW-11

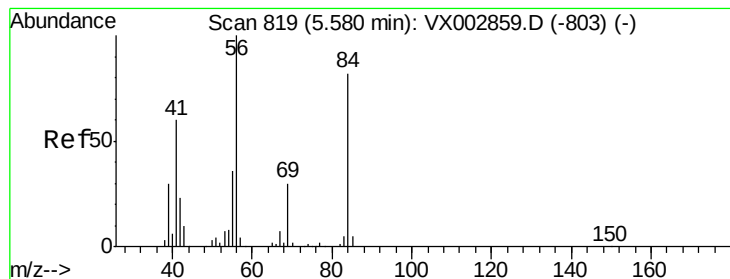
Tot Ion: 76 Resp: 3148
Ion Ratio Lower Upper
76 100
78 7.9 6.9 10.3



#25
2-Butanone
Concen: 0.23 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003106.D
Acq: 01 Jul 2018 05:07

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

MW-11

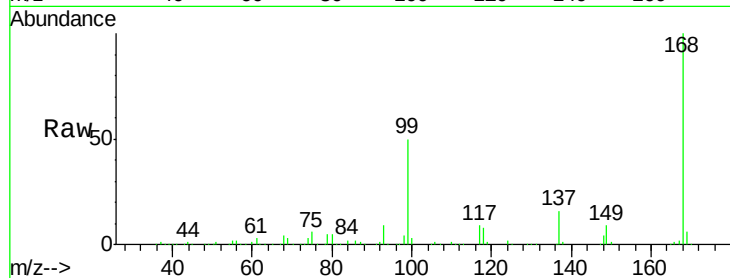
Tot Ion: 56 Resp: 5005

Ion Ratio Lower Upper

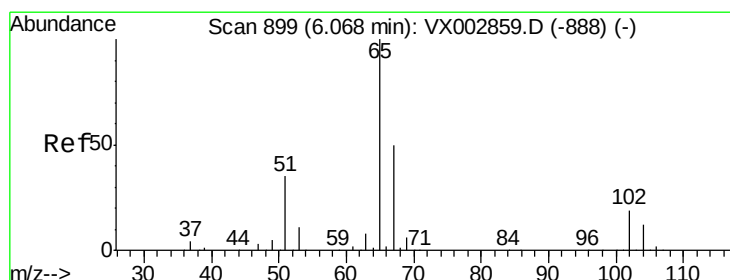
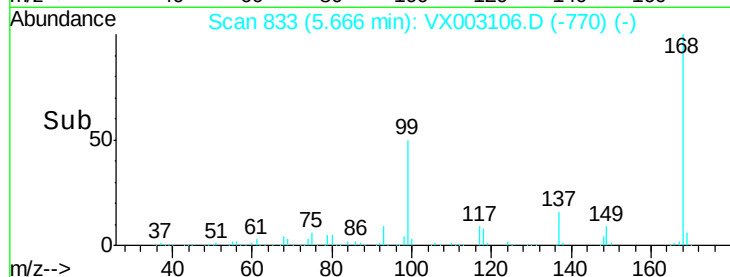
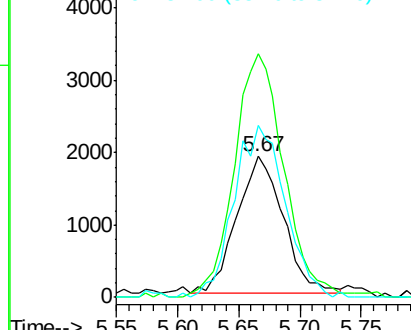
56 100

69 175.4 23.7 35.5#

84 126.1 64.1 96.1#



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: 45.63 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003106.D

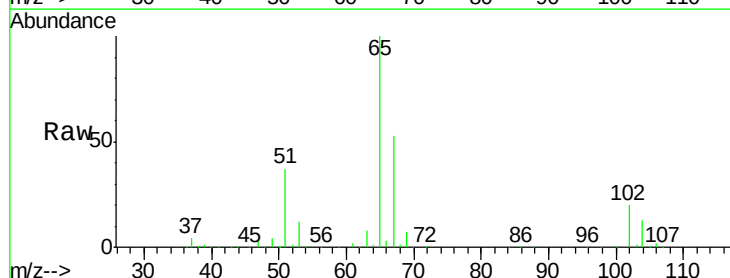
Acq: 01 Jul 2018 05:07

Tgt Ion: 65 Resp: 188781

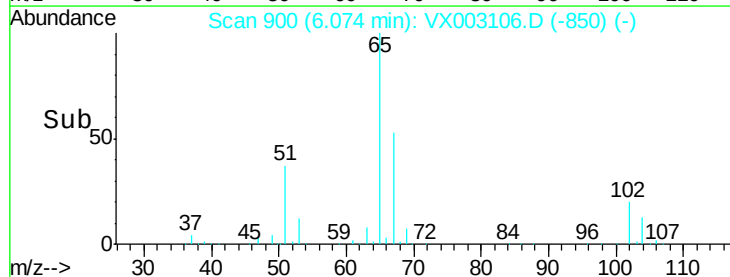
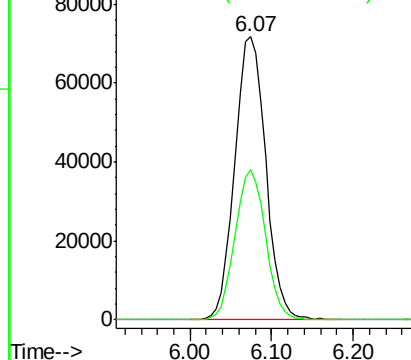
Ion Ratio Lower Upper

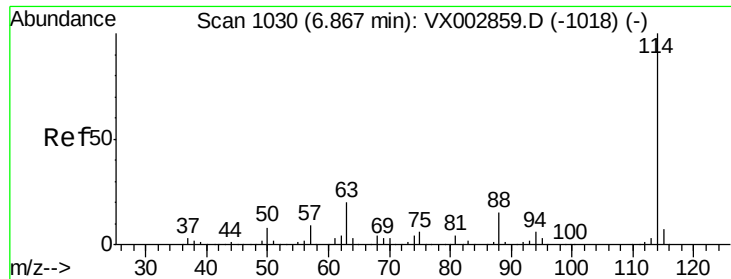
65 100

67 52.2 0.0 102.6



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

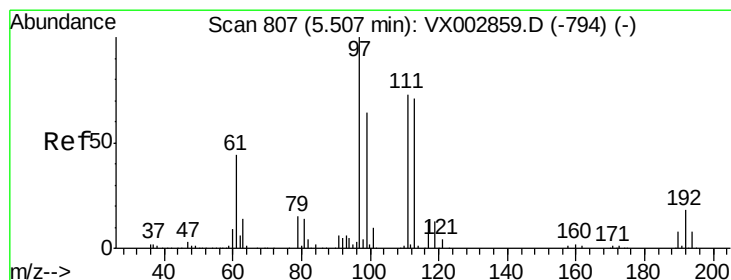
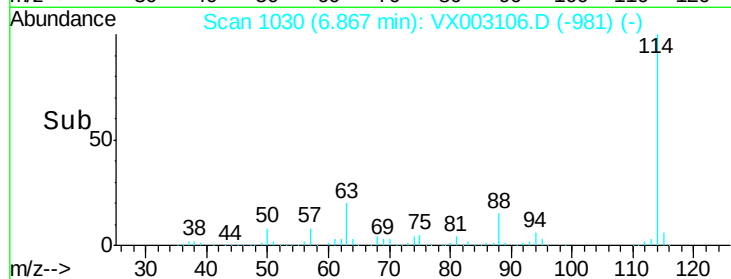
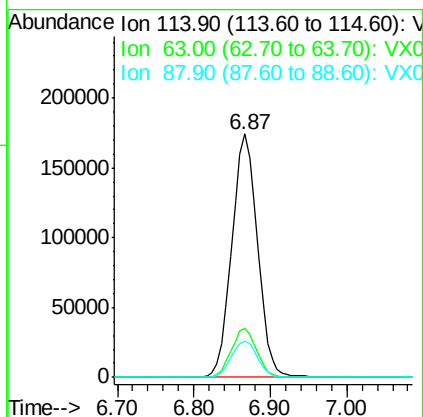
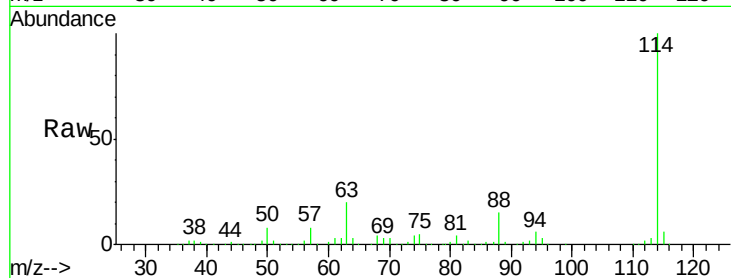




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003106.D
 Acq: 01 Jul 2018 05:07

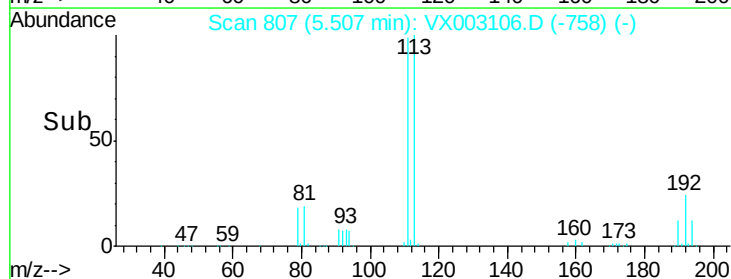
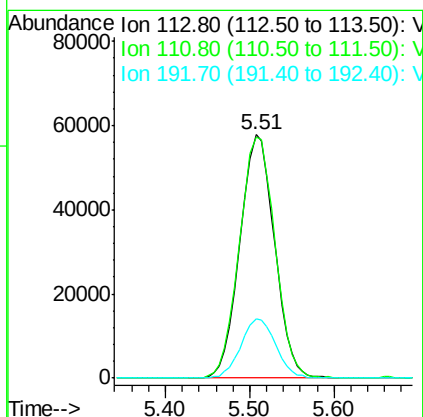
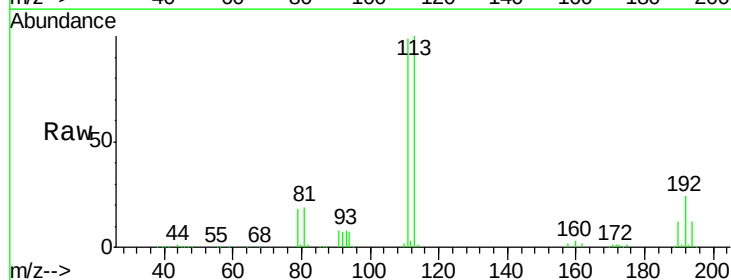
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

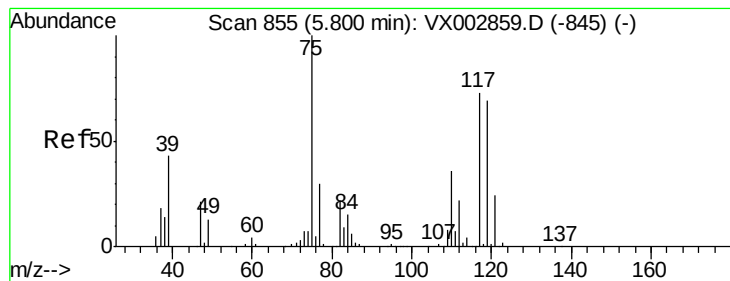
Tot Ion:114 Resp: 406065
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.1 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 50.18 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003106.D
 Acq: 01 Jul 2018 05:07

Tgt Ion:113 Resp: 161348
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 24.4 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.36 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

MW-11

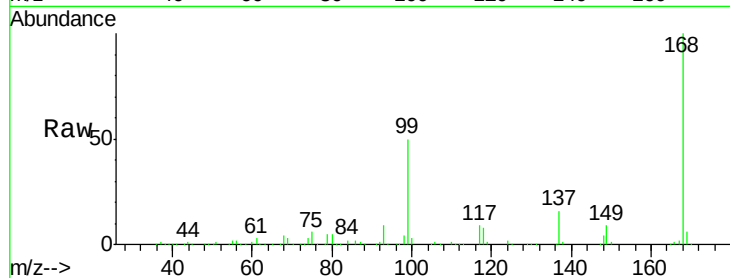
Tot Ion: 75 Resp: 19414

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

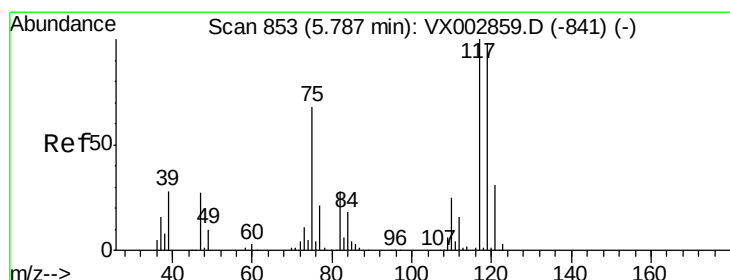
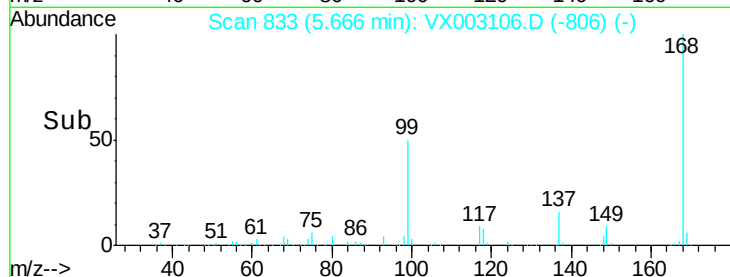
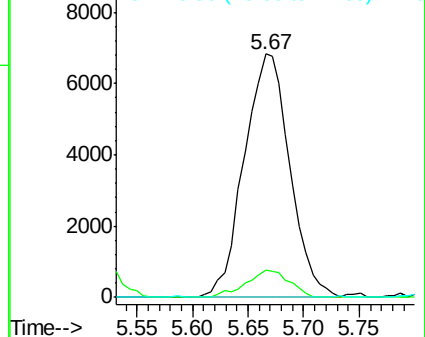
77 0.0 24.3 36.5#



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: 5.54 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

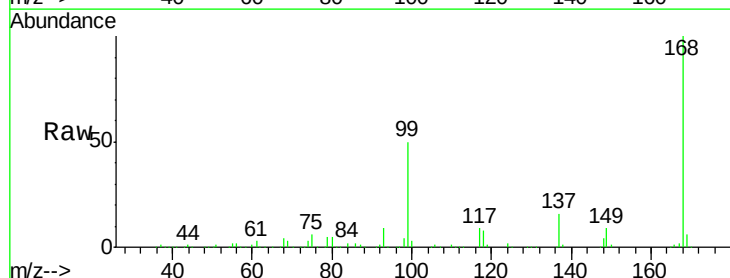
Tgt Ion:117 Resp: 27065

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

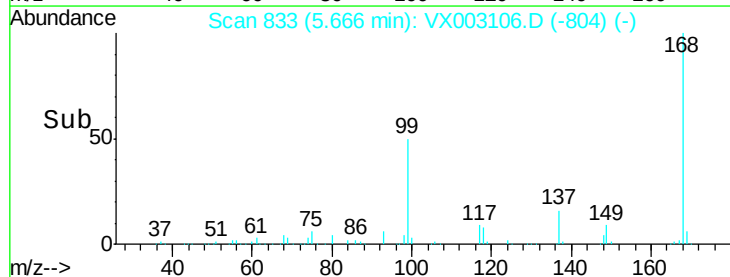
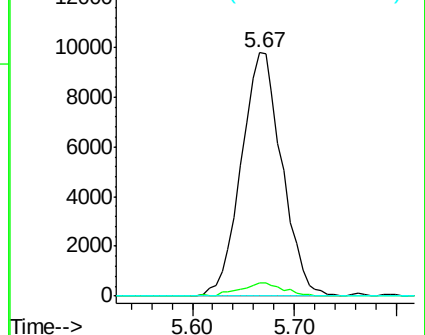
121 0.0 24.4 36.6#

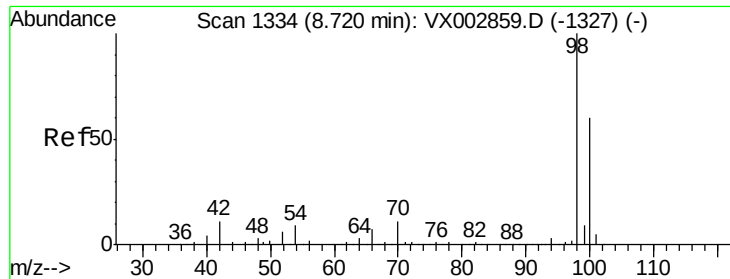


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

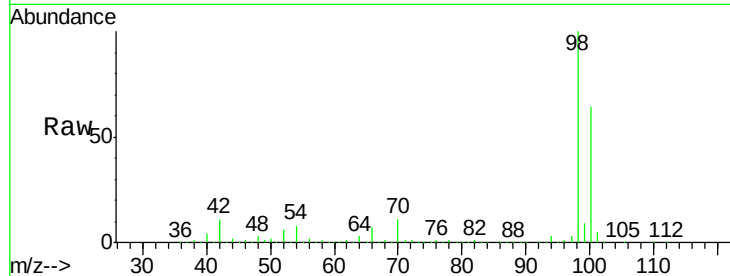
MW-11

Tot Ion: 98 Resp: 565143

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

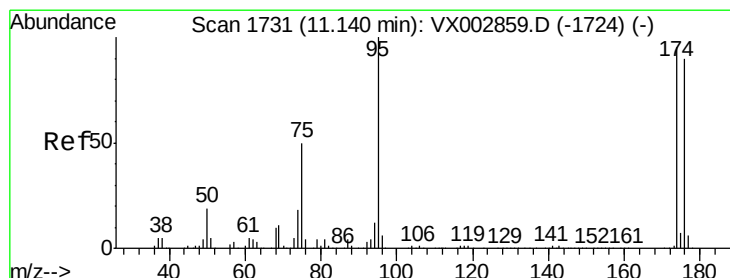
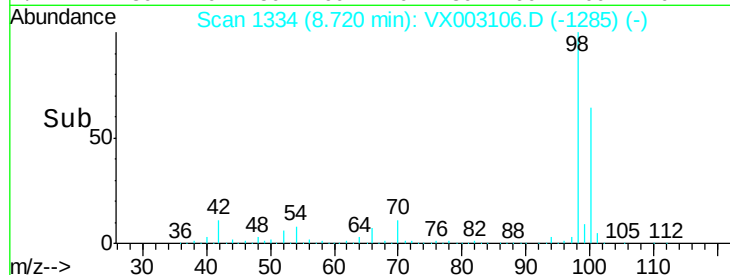
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

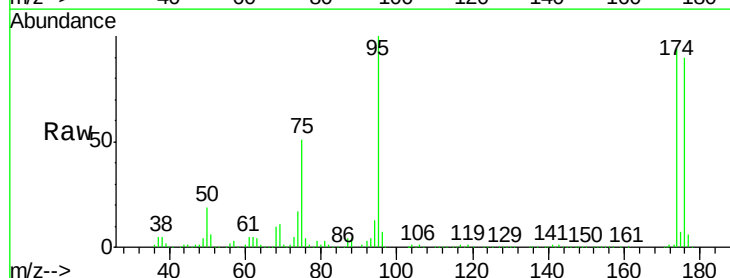
Tgt Ion: 95 Resp: 203608

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.4

176 94.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

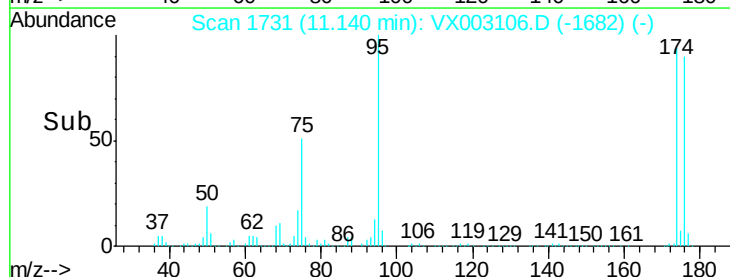
150000

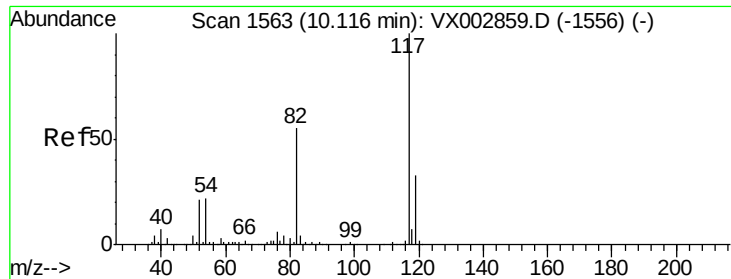
100000

50000

0

Time-->

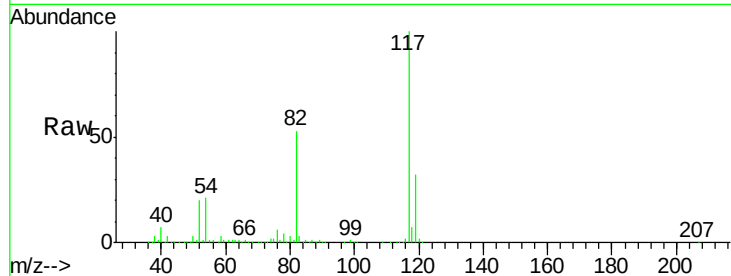




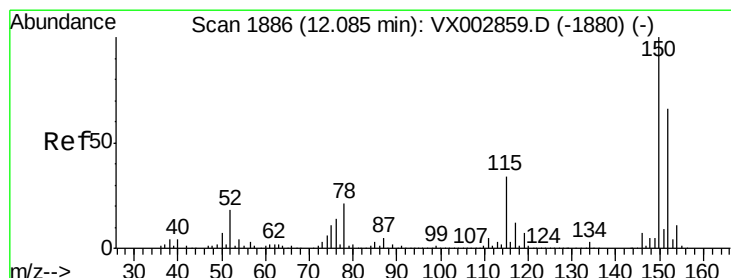
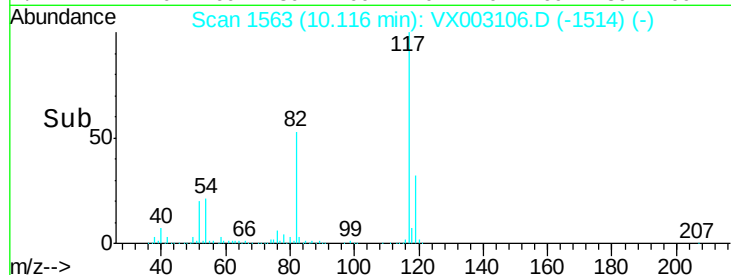
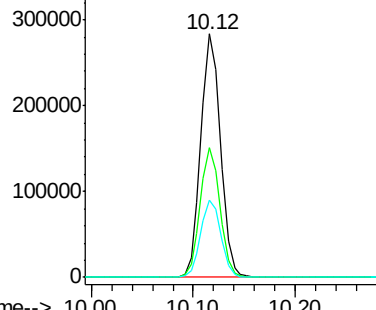
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003106.D
Acq: 01 Jul 2018 05:07

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion:117 Resp: 376762
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 31.7 25.8 38.6

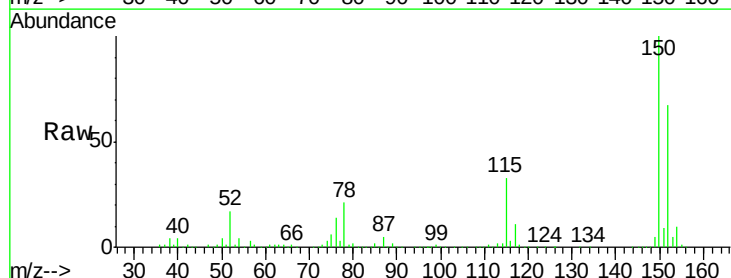


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

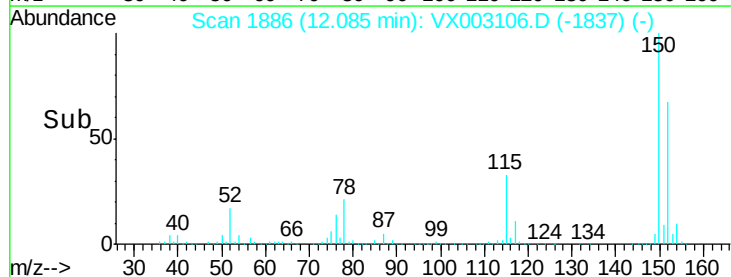
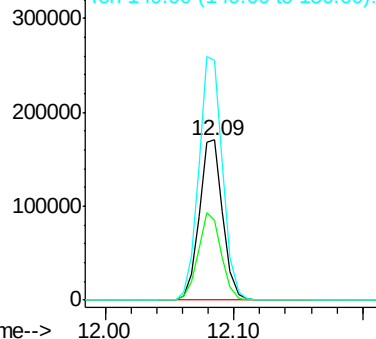


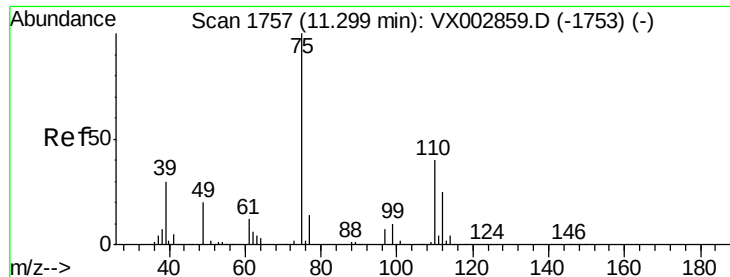
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003106.D
Acq: 01 Jul 2018 05:07

Tgt Ion:152 Resp: 218073
Ion Ratio Lower Upper
152 100
115 53.5 40.1 120.2
150 154.2 0.0 347.2



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: 26.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

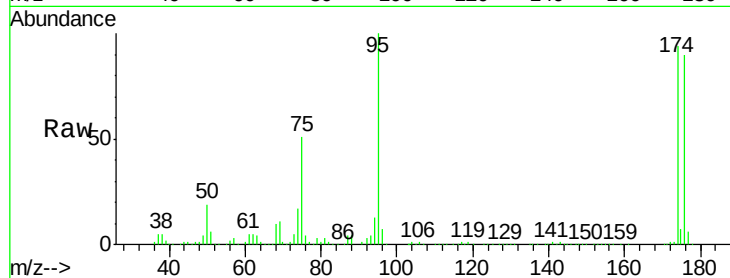
MW-11

Tot Ion: 75 Resp: 102774

Ion Ratio Lower Upper

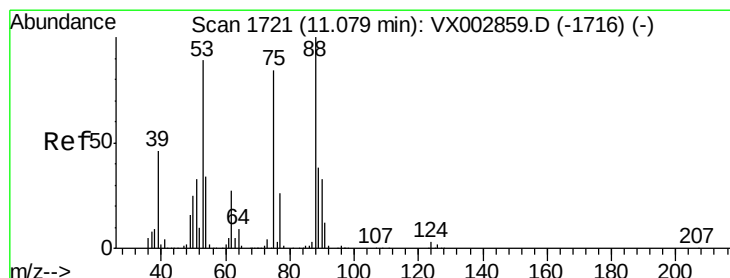
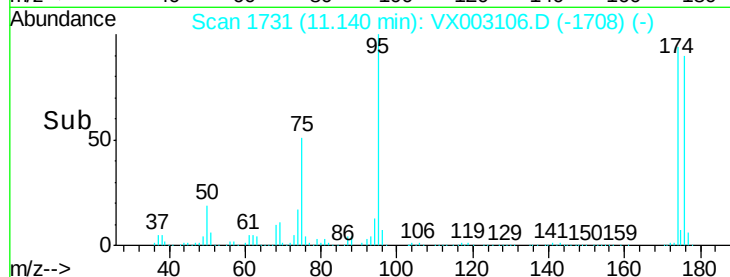
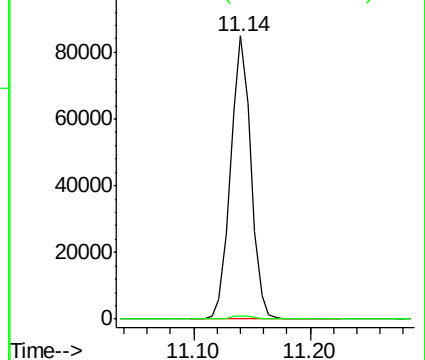
75 100

77 1.3 22.8 68.3#



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: 73.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003106.D

Acq: 01 Jul 2018 05:07

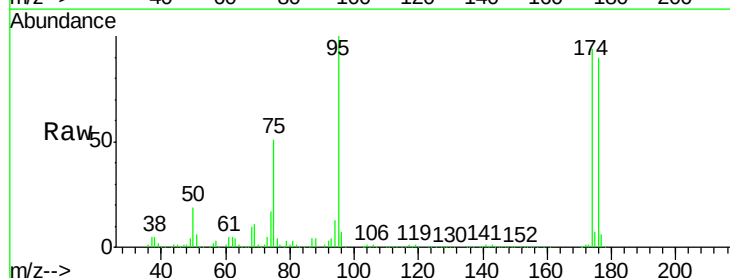
Tgt Ion: 75 Resp: 102774

Ion Ratio Lower Upper

75 100

53 0.3 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

