

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003954.D
 Acq On : 09 Aug 2018 16:50
 Operator : JC/MD
 Sample : J4379-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106D

Quant Time: Aug 10 01:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	343418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	534861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	507665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	263161	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	231956	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	5.51	113	199886	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	8.72	98	755213	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.14	95	266026	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

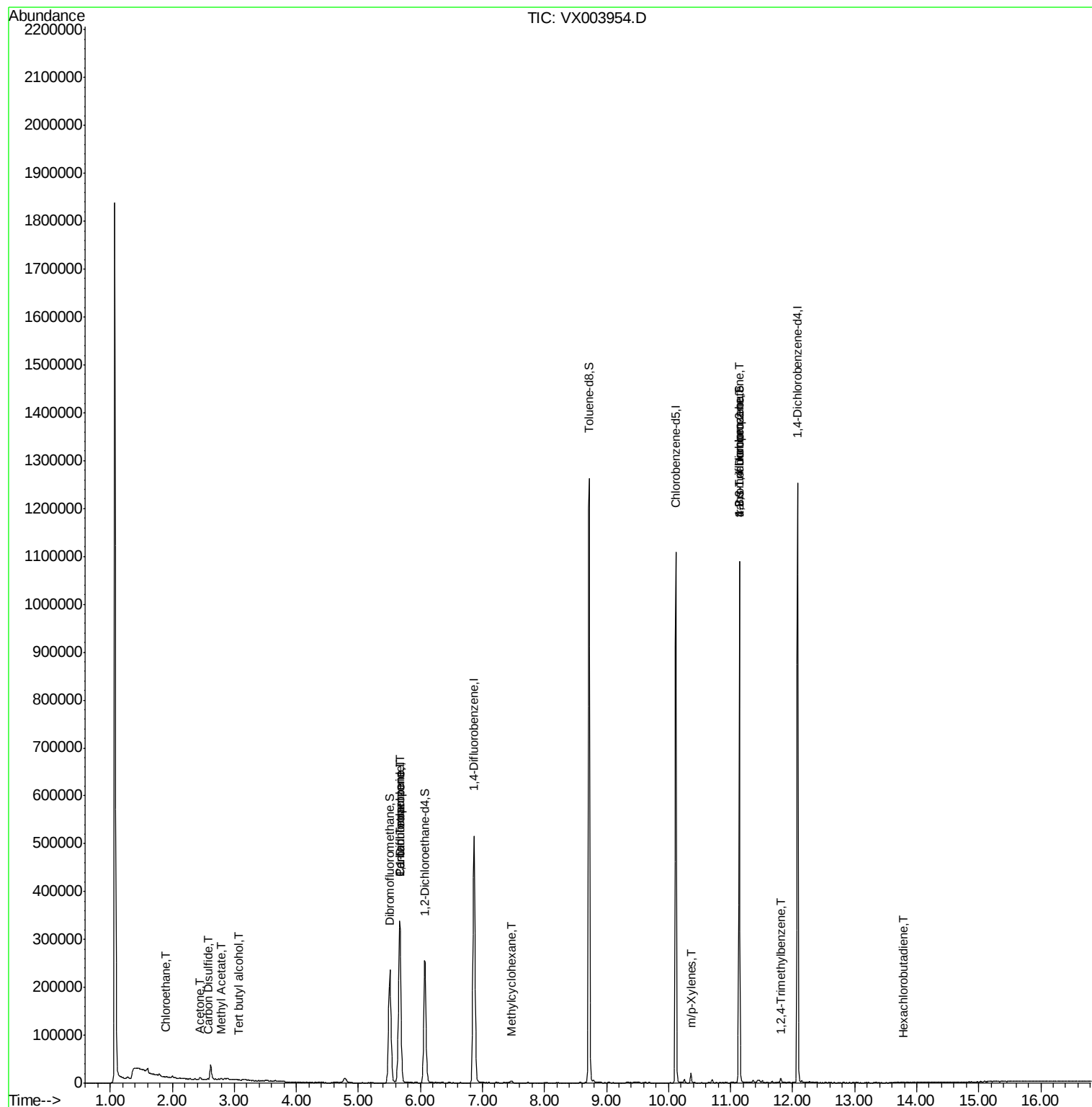
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	643	Below Cal	#	71
6) Chloroethane	1.90	64	909	0.30	ug/l #	50
11) Tert butyl alcohol	3.07	59	244	0.22	ug/l #	73
13) Acrolein	2.28	56	214	Below Cal		91
16) Acetone	2.45	43	2949	1.09	ug/l	99
17) Carbon Disulfide	2.57	76	1813	0.61	ug/l #	92
18) Methyl Acetate	2.78	43	1895	0.32	ug/l #	73
20) Methylene Chloride	2.85	84	397	Below Cal	#	82
36) 1,1-Dichloropropene	5.67	75	23269	3.88	ug/l #	49
38) Carbon Tetrachloride	5.67	117	29868	5.24	ug/l #	16
39) Methylcyclohexane	7.46	83	1826	0.26	ug/l	94
68) m/p-Xylenes	10.37	106	4981	0.59	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	129541	22.29	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	129541	60.16	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	3998	0.25	ug/l	98
88) 1,4-Dichlorobenzene	12.03	146	246	Below Cal		92
94) Hexachlorobutadiene	13.79	225	155	0.48	ug/l #	75

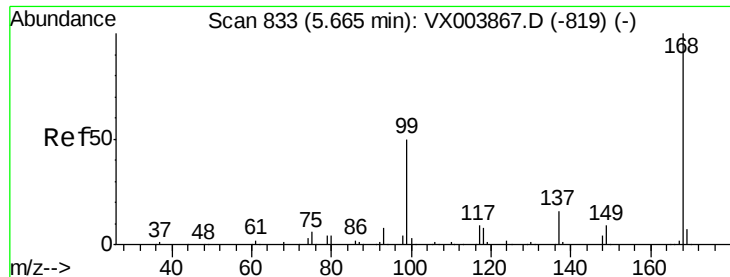
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080918\
Data File : VX003954.D
Acq On : 09 Aug 2018 16:50
Operator : JC/MD
Sample : J4379-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-106D

Quant Time: Aug 10 01:04:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

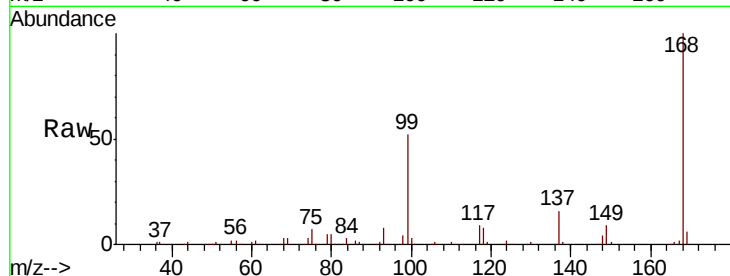
MW-106D

Tot Ion:168 Resp: 343418

Ion Ratio Lower Upper

168 100

99 51.7 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

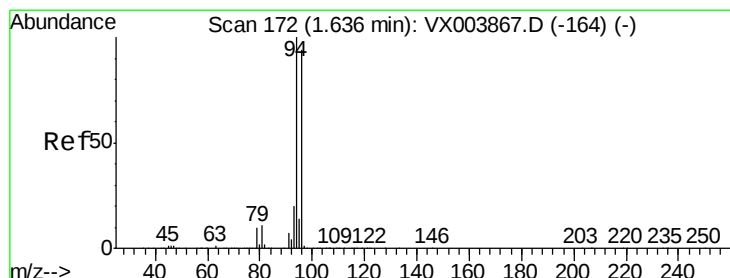
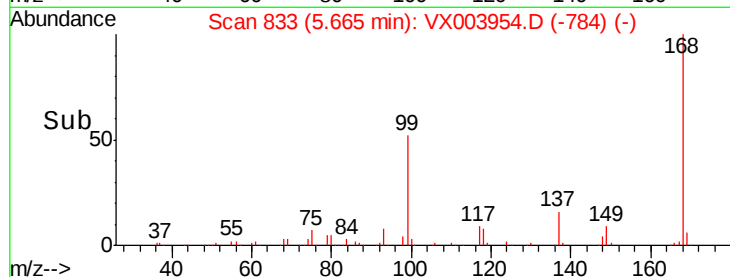
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003954.D

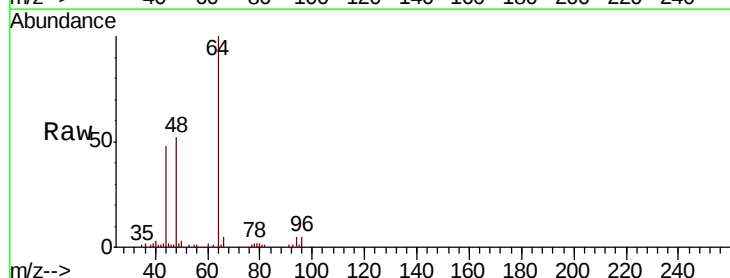
Acq: 09 Aug 2018 16:50

Tgt Ion: 94 Resp: 643

Ion Ratio Lower Upper

94 100

96 121.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

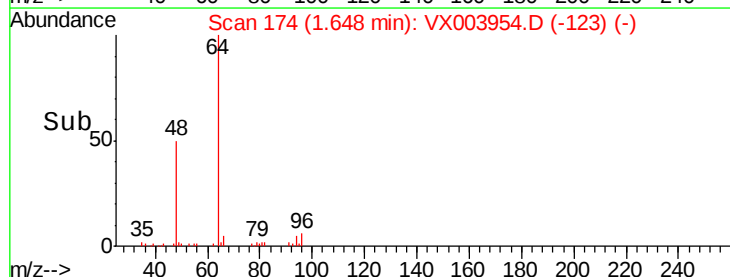
300

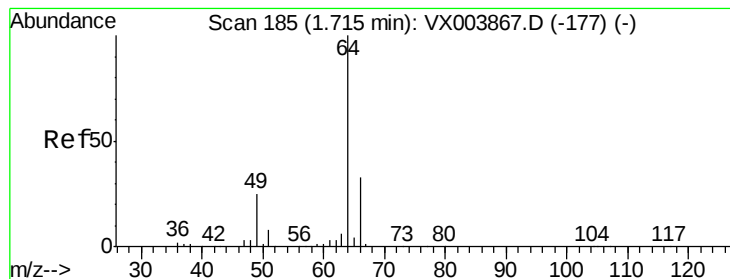
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.90 min Scan# 215

Delta R.T. 0.18 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

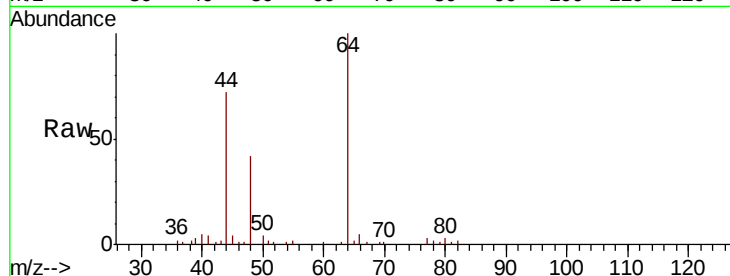
MW-106D

Tot Ion: 64 Resp: 909

Ion Ratio Lower Upper

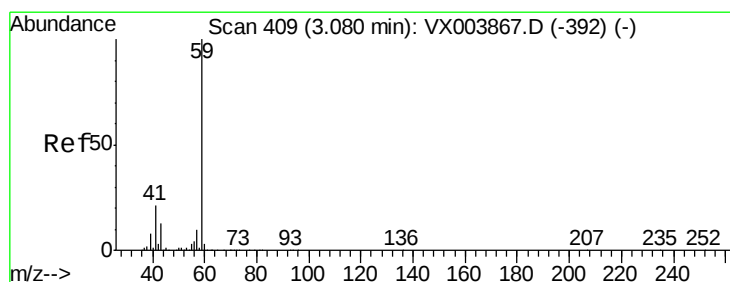
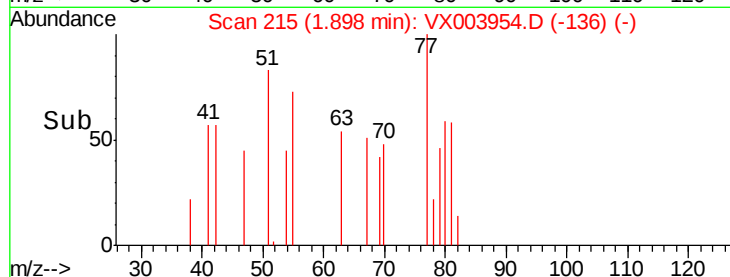
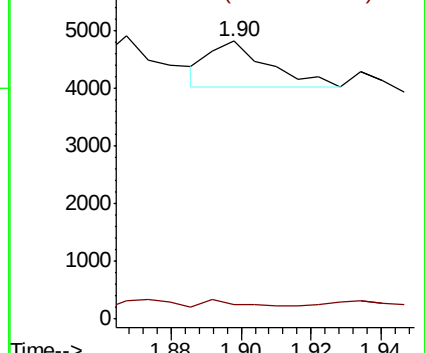
64 100

66 4.6 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003954.D

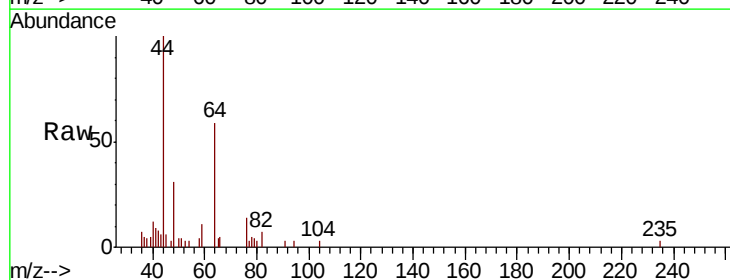
Acq: 09 Aug 2018 16:50

Tgt Ion: 59 Resp: 244

Ion Ratio Lower Upper

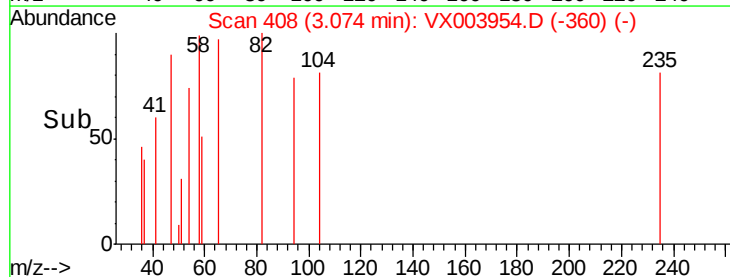
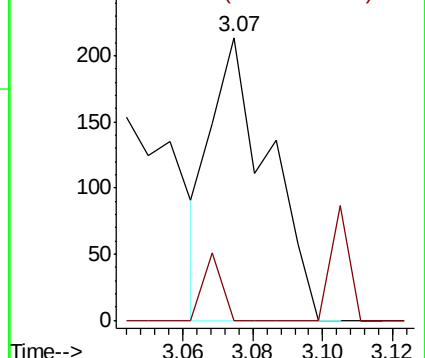
59 100

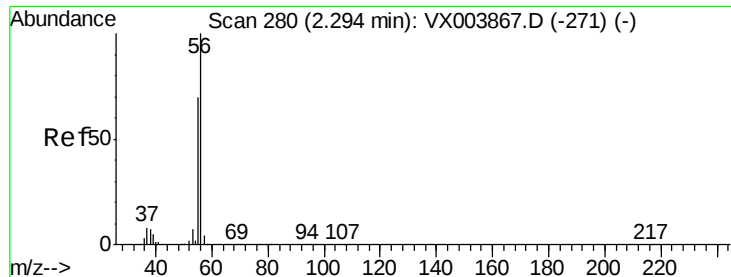
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

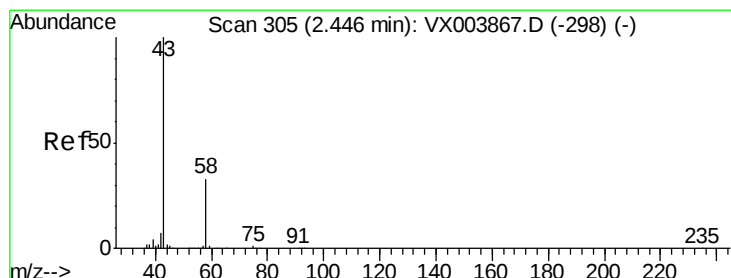
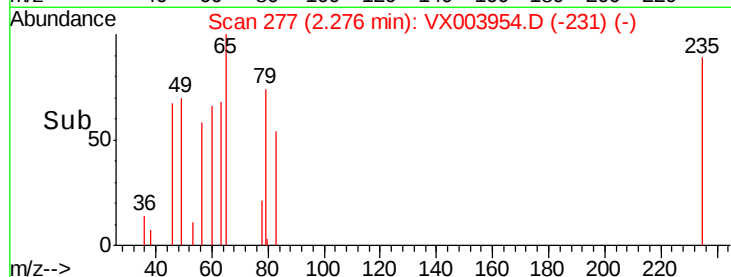
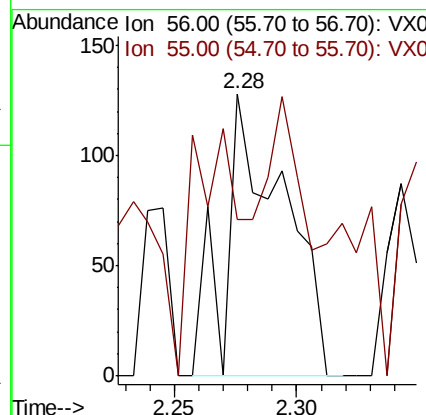
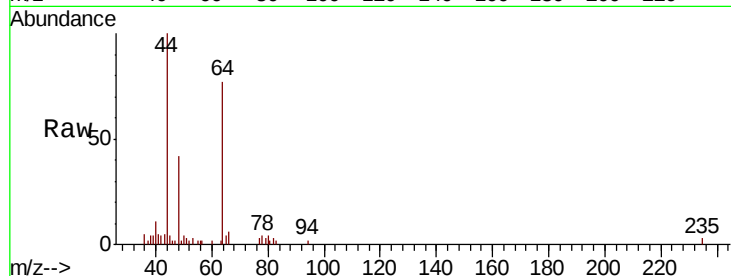
MW-106D

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 63.1 56.1 84.1



#16

Acetone

Concen: 1.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003954.D

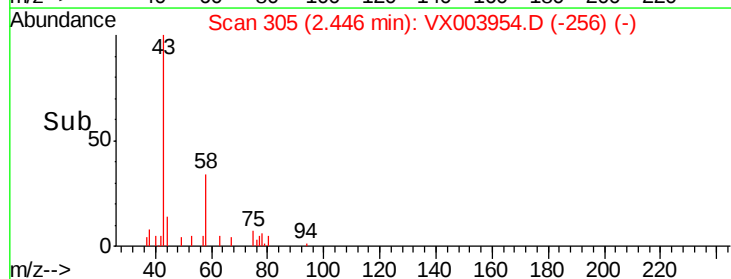
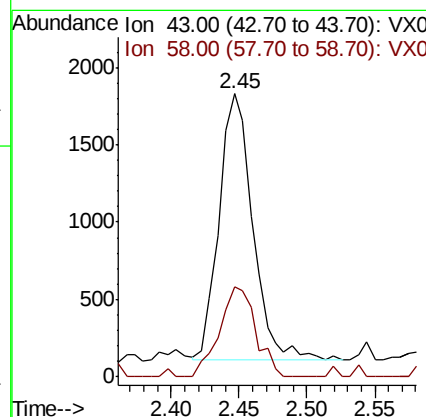
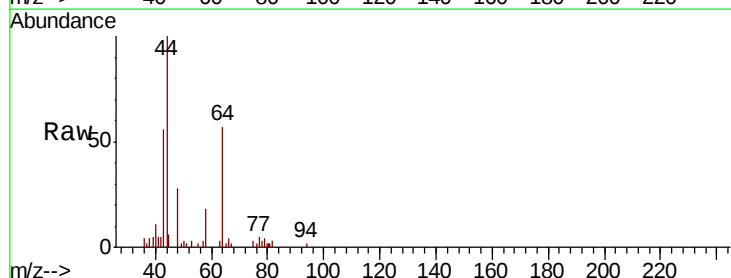
Acq: 09 Aug 2018 16:50

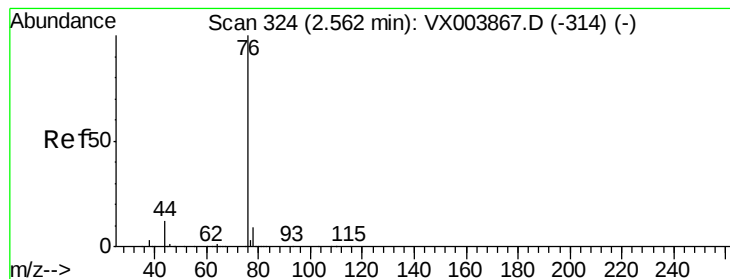
Tgt Ion: 43 Resp: 2949

Ion Ratio Lower Upper

43 100

58 33.7 26.4 39.6





#17

Carbon Disulfide

Concen: 0.61 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

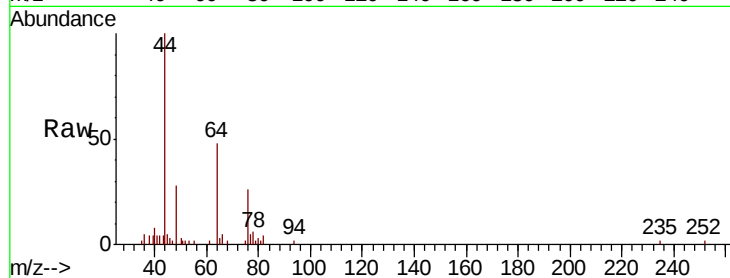
MW-106D

Tot Ion: 76 Resp: 1813

Ion Ratio Lower Upper

76 100

78 6.7 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

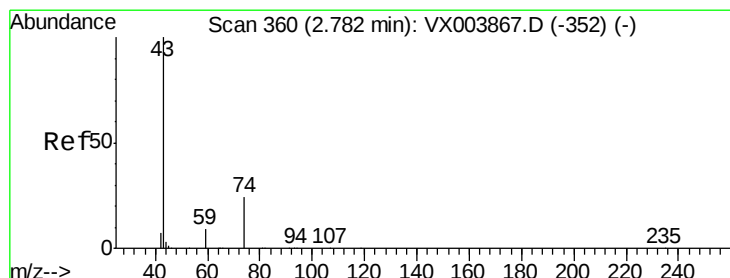
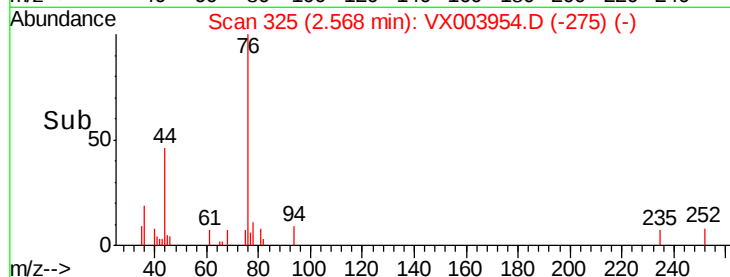
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.32 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003954.D

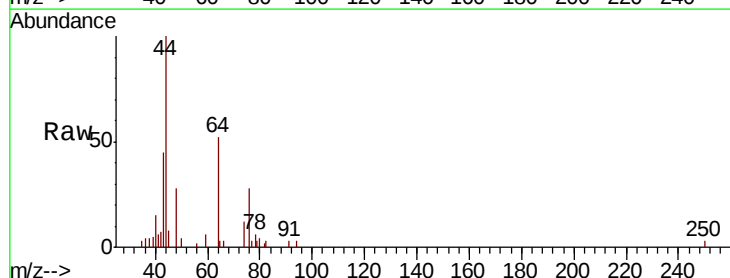
Acq: 09 Aug 2018 16:50

Tgt Ion: 43 Resp: 1895

Ion Ratio Lower Upper

43 100

74 36.8 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

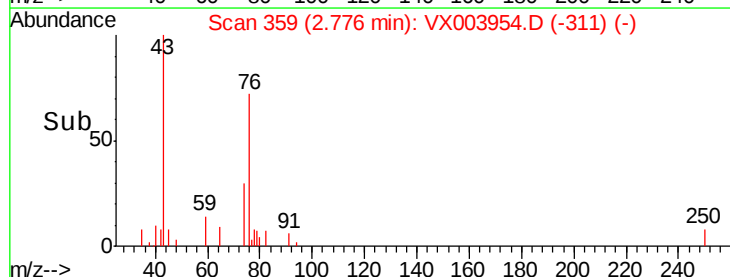
2.78

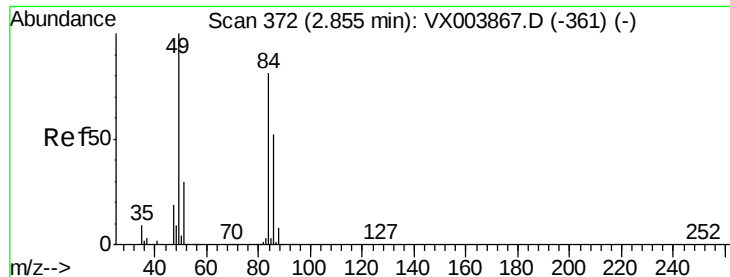
1000

500

0

Time-->

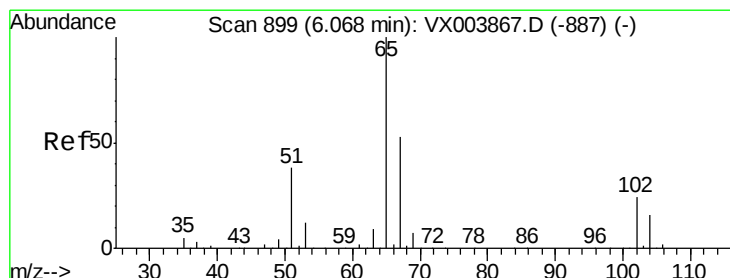
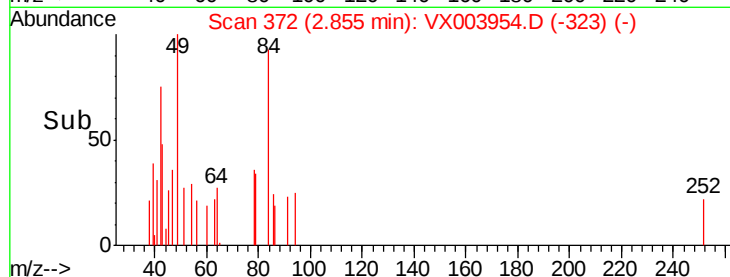
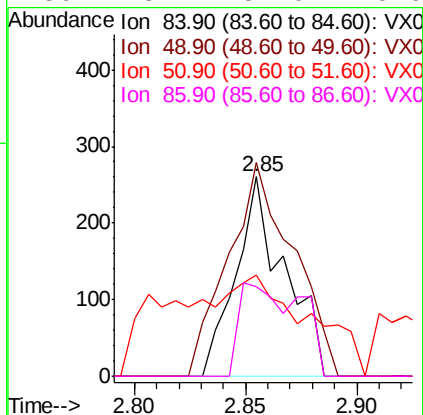
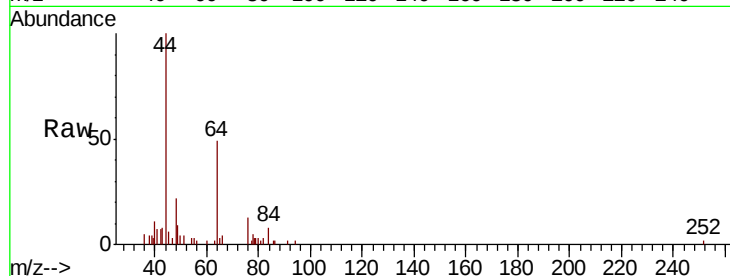




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

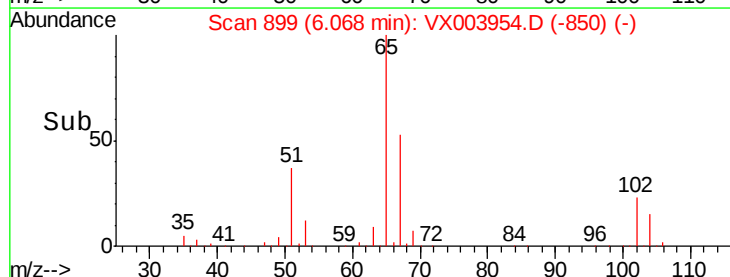
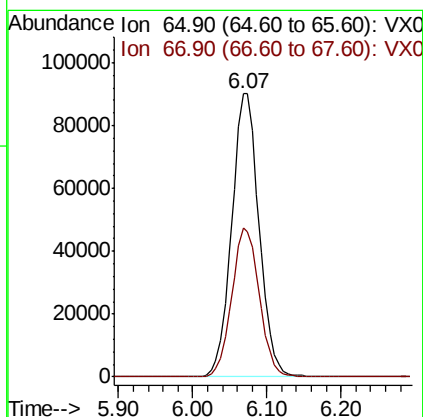
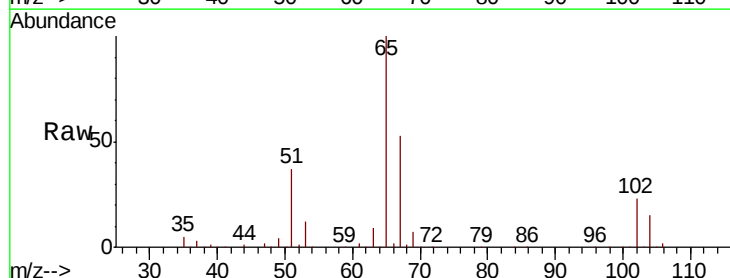
Instrument :
MSVOA_X
ClientSampleId :
MW-106D

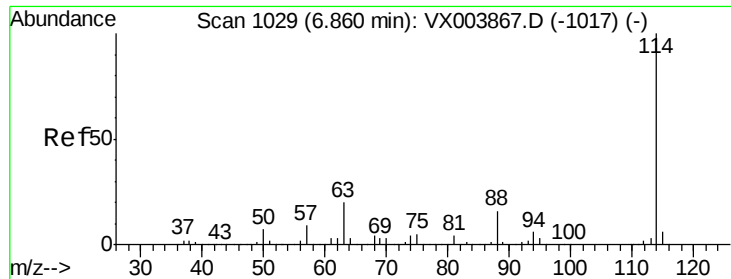
Tot Ion: 84 Resp: 397
Ion Ratio Lower Upper
84 100
49 107.3 98.9 148.3
51 25.0 29.9 44.9#
86 45.4 51.0 76.6#



#33
1,2-Dichloroethane-d4
Concen: 50.95 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

Tgt Ion: 65 Resp: 231956
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

MW-106D

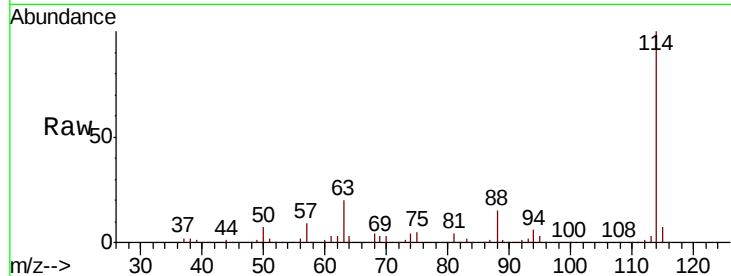
Tot Ion:114 Resp: 534861

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

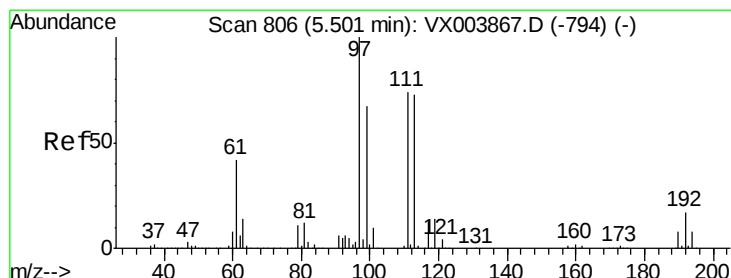
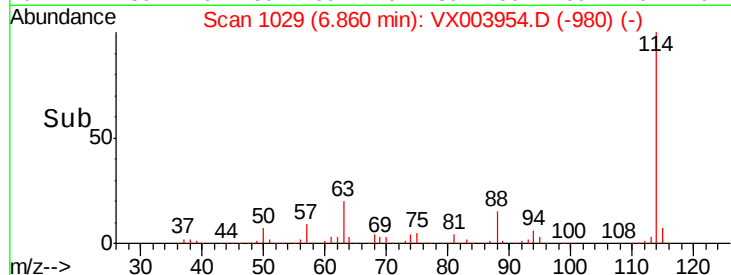
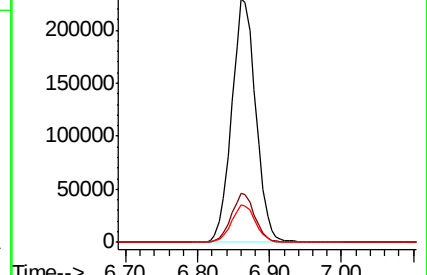
88 15.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.33 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

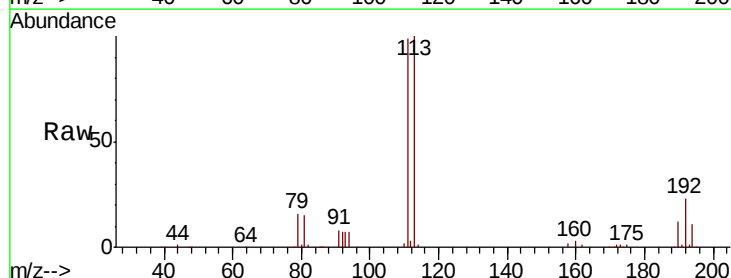
Tgt Ion:113 Resp: 199886

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

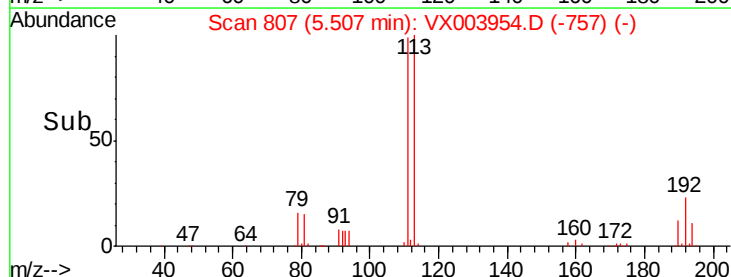
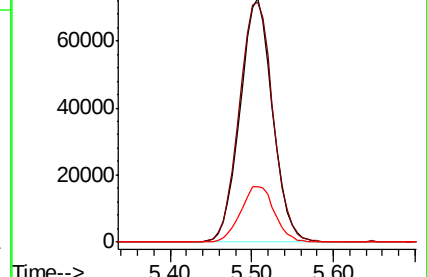
192 23.8 19.0 28.4

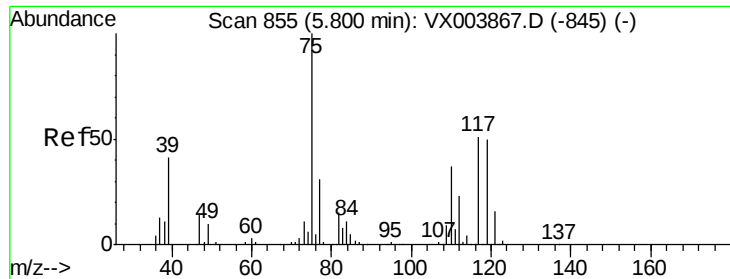


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

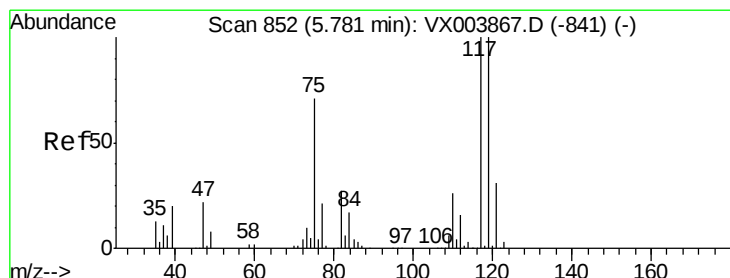
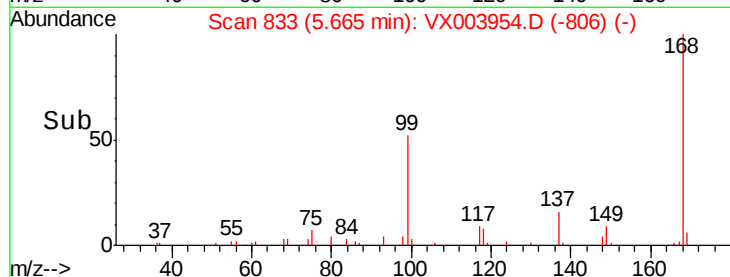
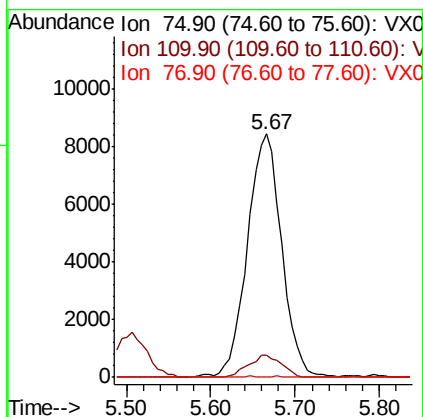
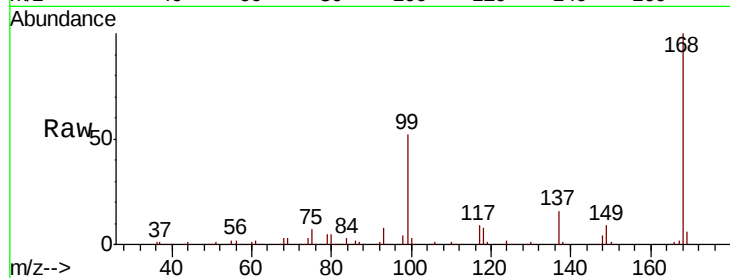




#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003954.D
 Acq: 09 Aug 2018 16:50

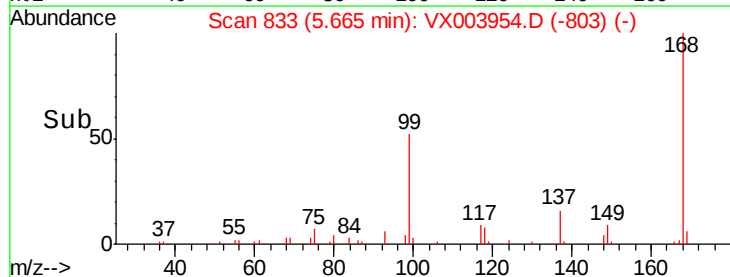
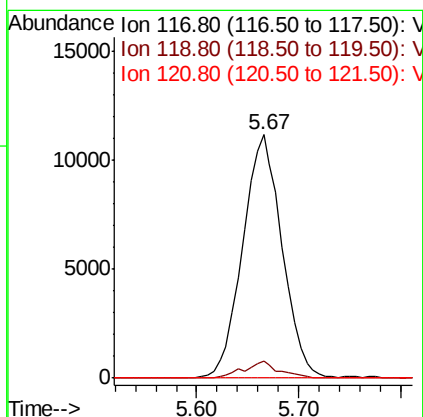
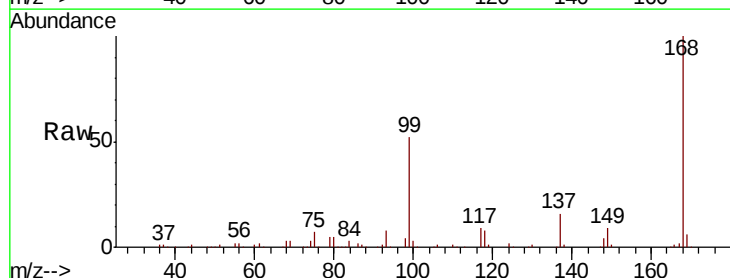
Instrument :
 MSVOA_X
 ClientSampled :
 MW-106D

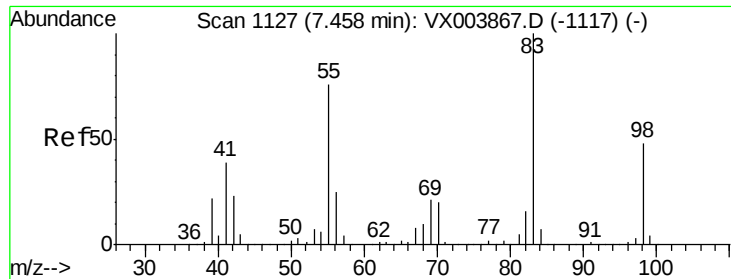
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003954.D
 Acq: 09 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	79.5	119.3#
121	0.0	25.0	37.4#

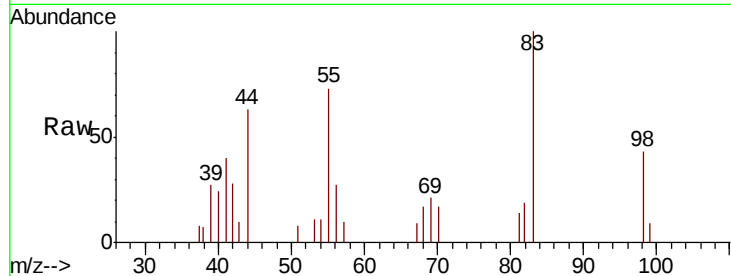




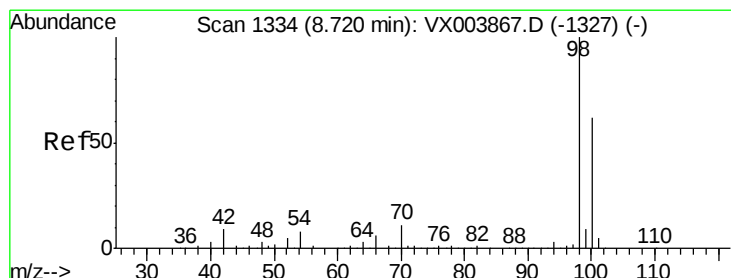
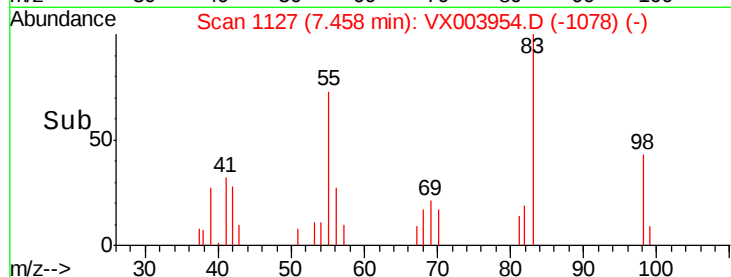
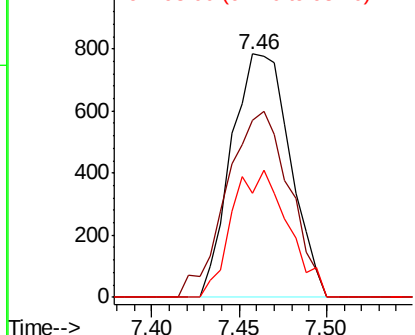
#39
Methvlcvclohexane
Concen: 0.26 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
MW-106D

Tot Ion: 83 Resp: 1826
Ion Ratio Lower Upper
83 100
55 73.0 61.0 91.6
98 42.7 38.6 57.8

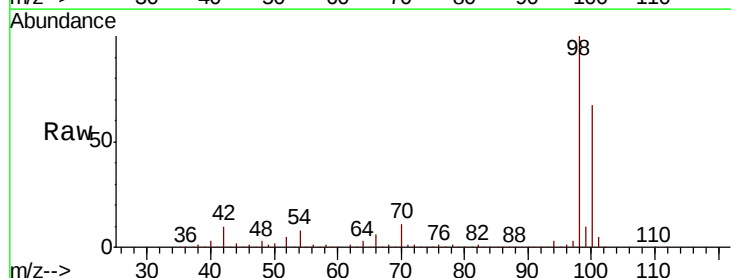


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

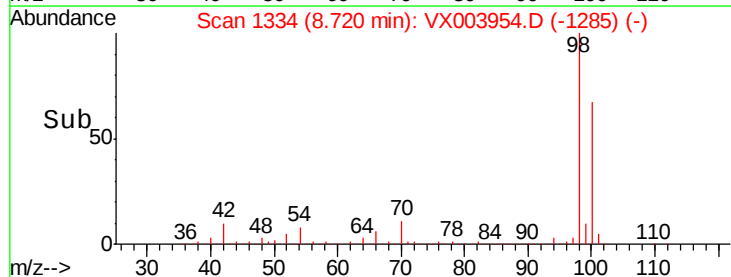
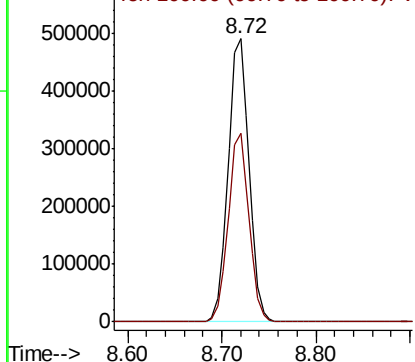


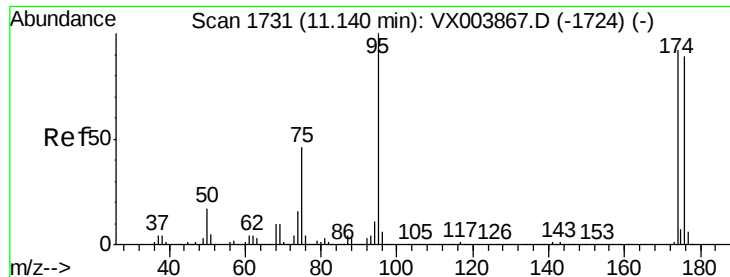
#50
Toluene-d8
Concen: 47.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

Tgt Ion: 98 Resp: 755213
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9



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

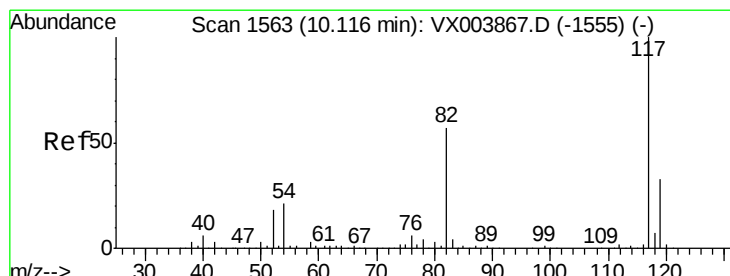
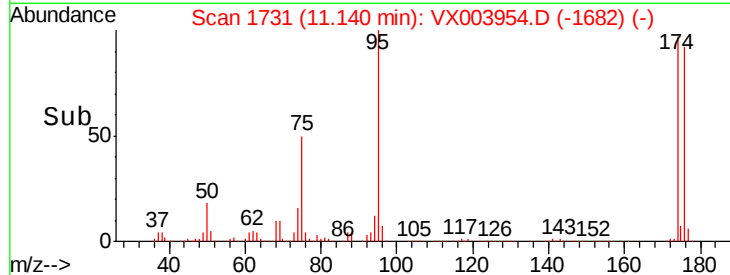
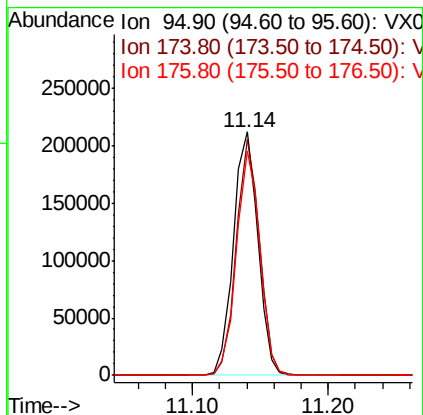
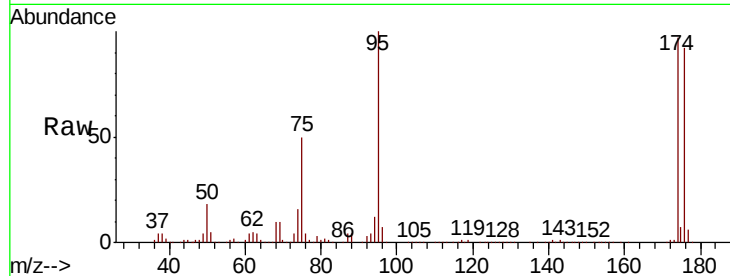




#62
4-Bromofluorobenzene
Concen: 52.18 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

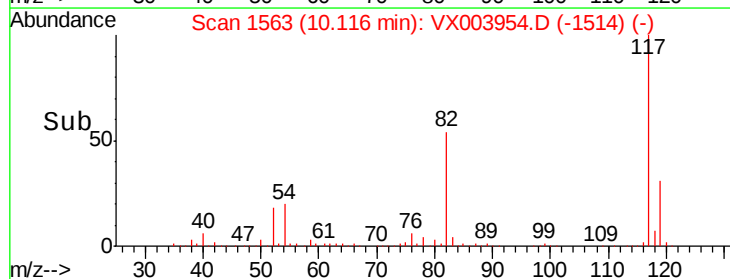
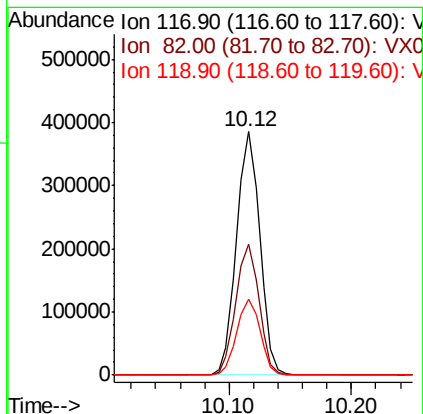
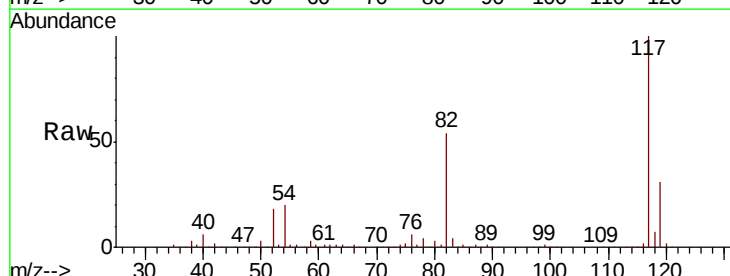
Instrument :
MSVOA_X
ClientSampled :
MW-106D

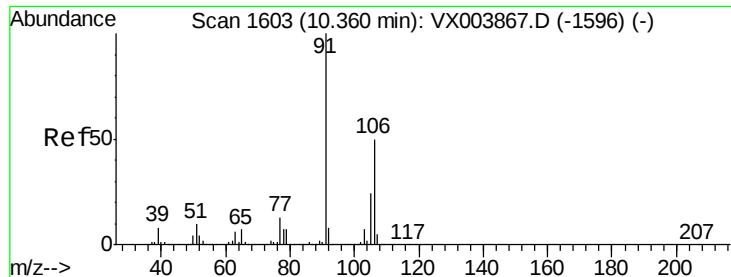
Tot Ion: 95 Resp: 266026
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.8
176 88.8 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

Tgt Ion: 117 Resp: 507665
Ion Ratio Lower Upper
117 100
82 54.1 45.4 68.0
119 31.2 26.6 40.0

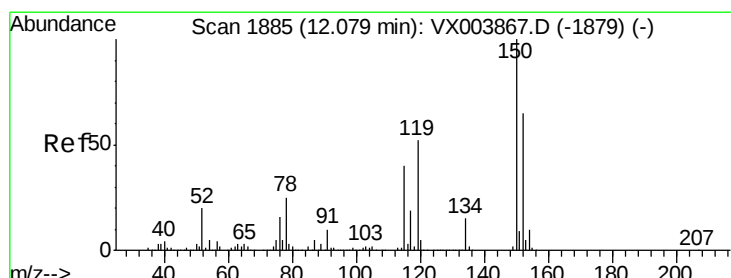
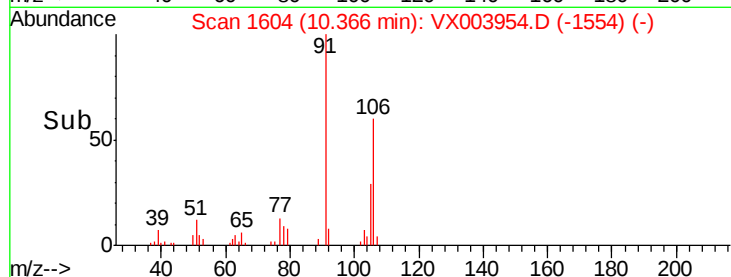
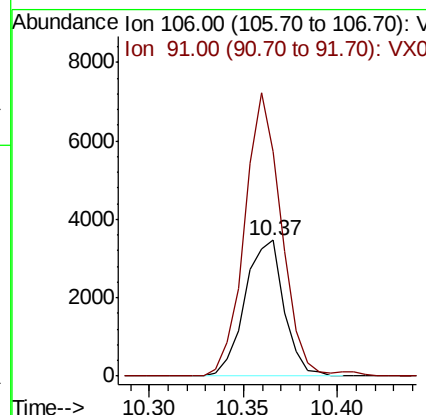
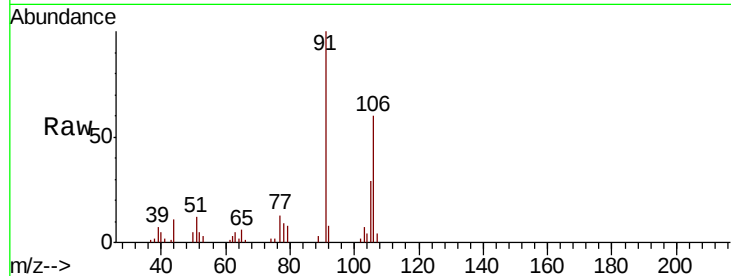




#68
m/p-Xvlenes
Concen: 0.59 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

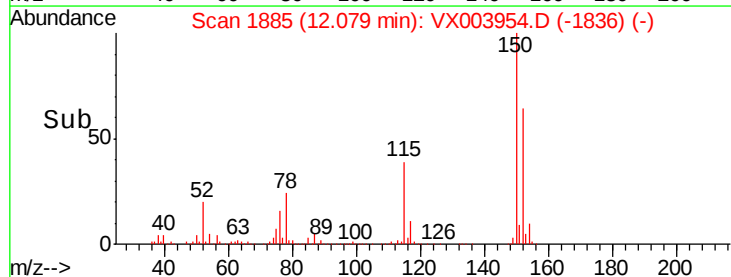
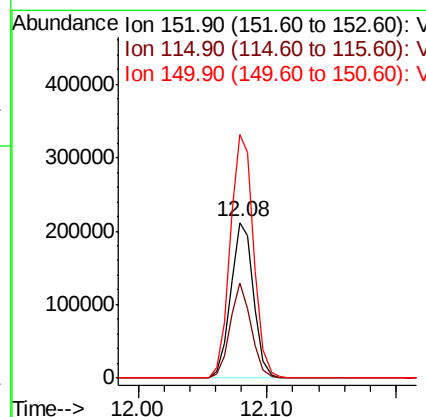
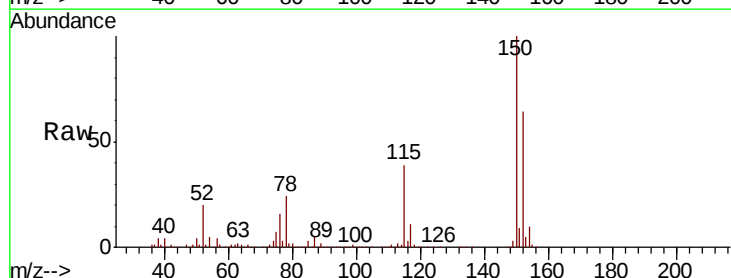
Instrument :
MSVOA_X
ClientSampleId :
MW-106D

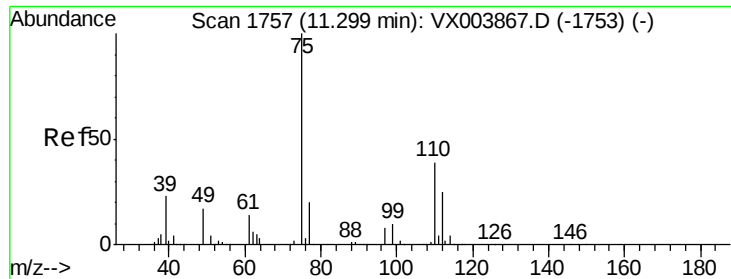
Tot Ion:106 Resp: 4981
Ion Ratio Lower Upper
106 100
91 196.7 162.3 243.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003954.D
Acq: 09 Aug 2018 16:50

Tgt Ion:152 Resp: 263161
Ion Ratio Lower Upper
152 100
115 56.7 39.1 117.3
150 160.2 0.0 349.2

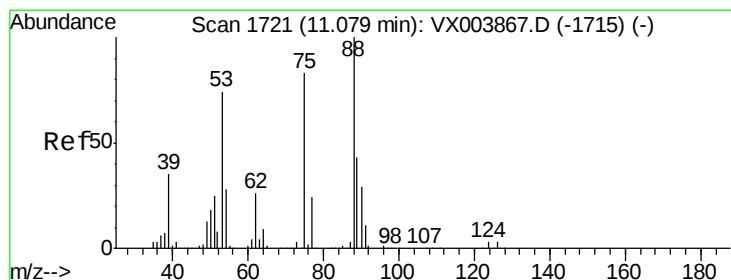
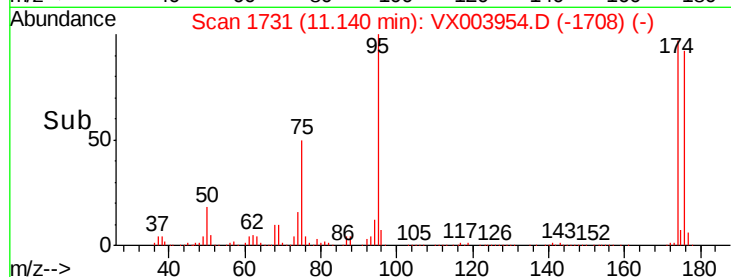
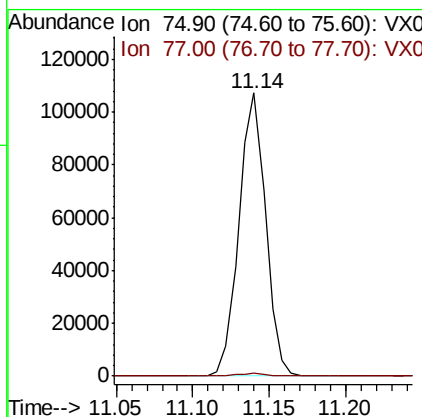
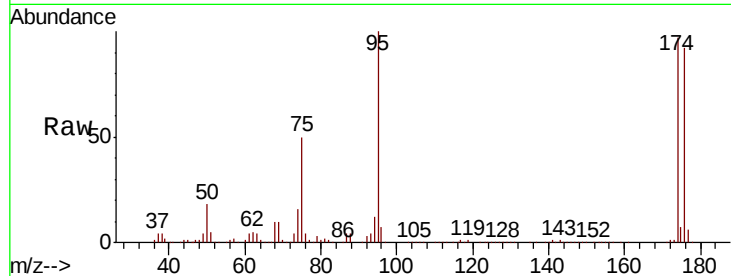




#76
 1,2,3-Trichloropropane
 Concen: 22.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003954.D
 Acq: 09 Aug 2018 16:50

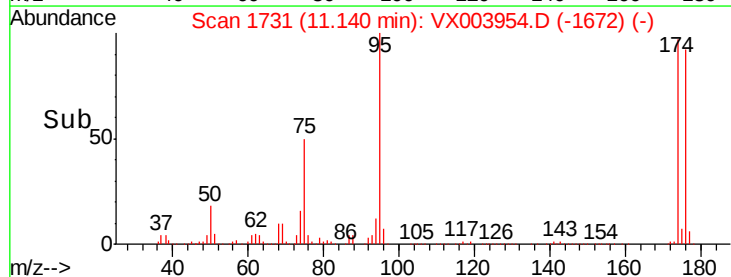
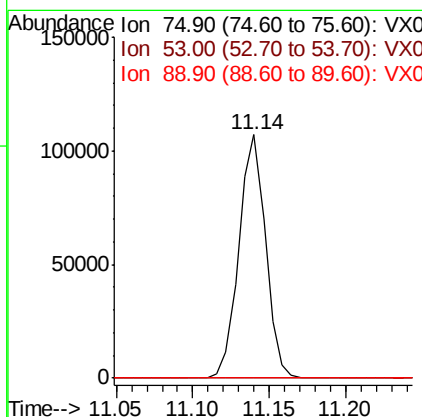
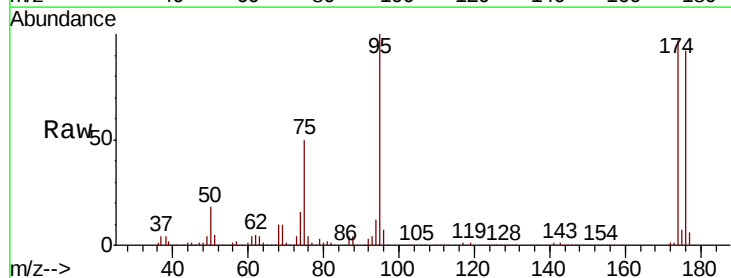
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106D

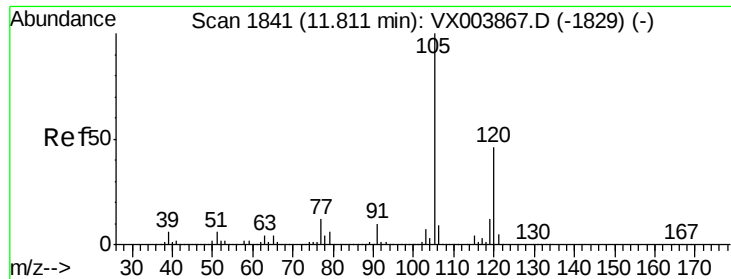
Tot Ion: 75 Resp: 129541
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.16 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003954.D
 Acq: 09 Aug 2018 16:50

Tgt Ion: 75 Resp: 129541
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.3 120.5#
 89 0.0 37.8 56.8#

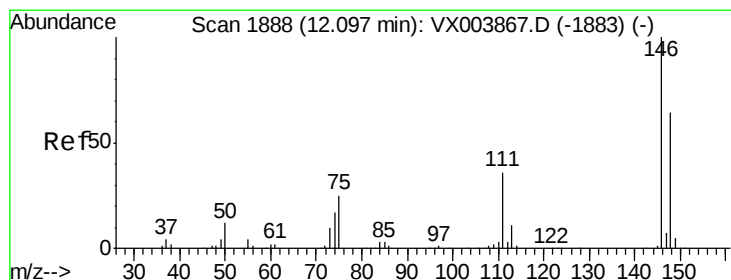
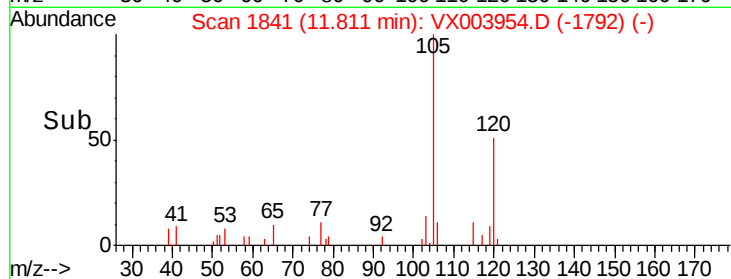
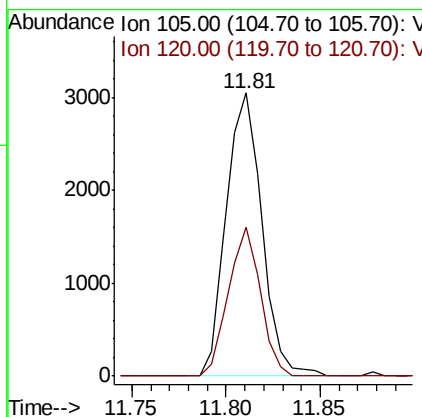
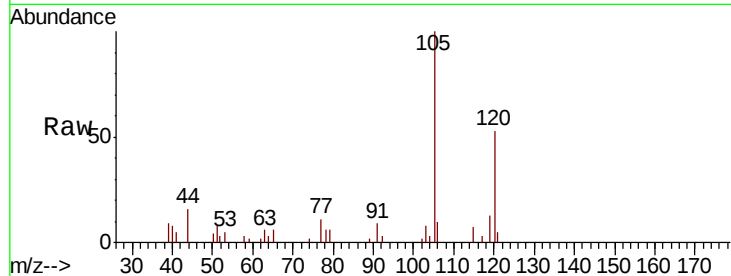




#84
 1,2,4-Trimethylbenzene
 Concen: 0.25 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003954.D
 Acq: 09 Aug 2018 16:50

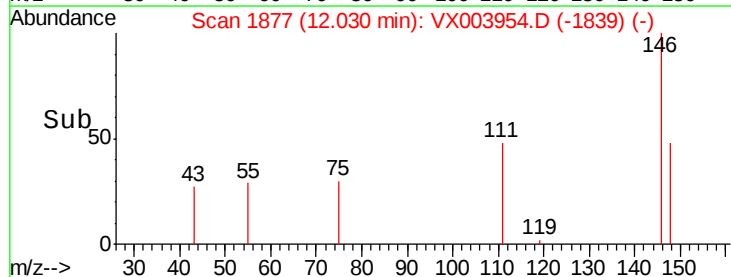
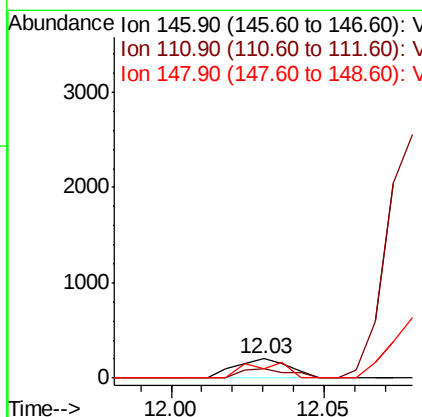
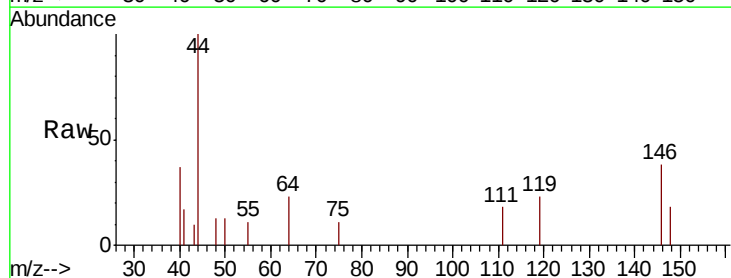
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106D

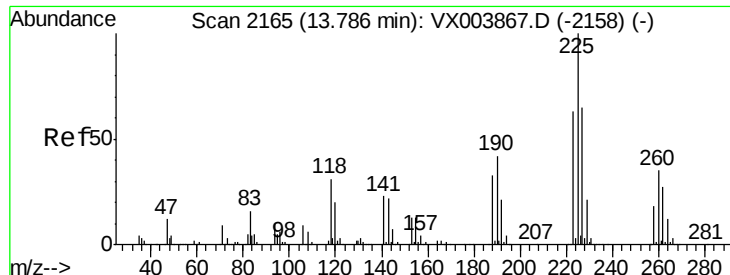
Tot Ion:105 Resp: 3998
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.1 69.2



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003954.D
 Acq: 09 Aug 2018 16:50

Tgt Ion:146 Resp: 246
 Ion Ratio Lower Upper
 146 100
 111 45.1 18.4 55.0
 148 61.4 32.3 96.8





#94

Hexachlorobutadiene

Concen: 0.48 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003954.D

Acq: 09 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

MW-106D

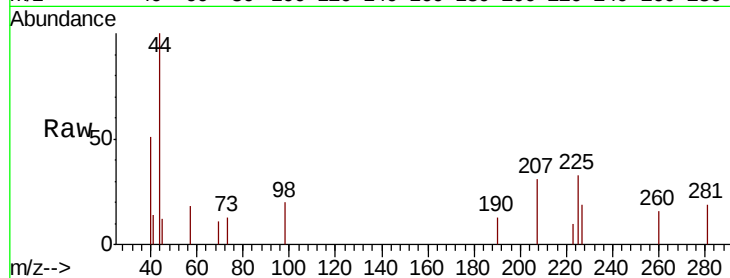
Tot Ion:225 Resp: 155

Ion Ratio Lower Upper

225 100

223 25.2 31.4 94.0#

227 65.8 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

