

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003973.D
 Acq On : 10 Aug 2018 13:37
 Operator : JC/MD
 Sample : J4379-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103I

Quant Time: Aug 11 01:44:00 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	302700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	478222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	435198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237839	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	212270	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	5.51	113	185319	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.72	98	669701	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	11.14	95	228327	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

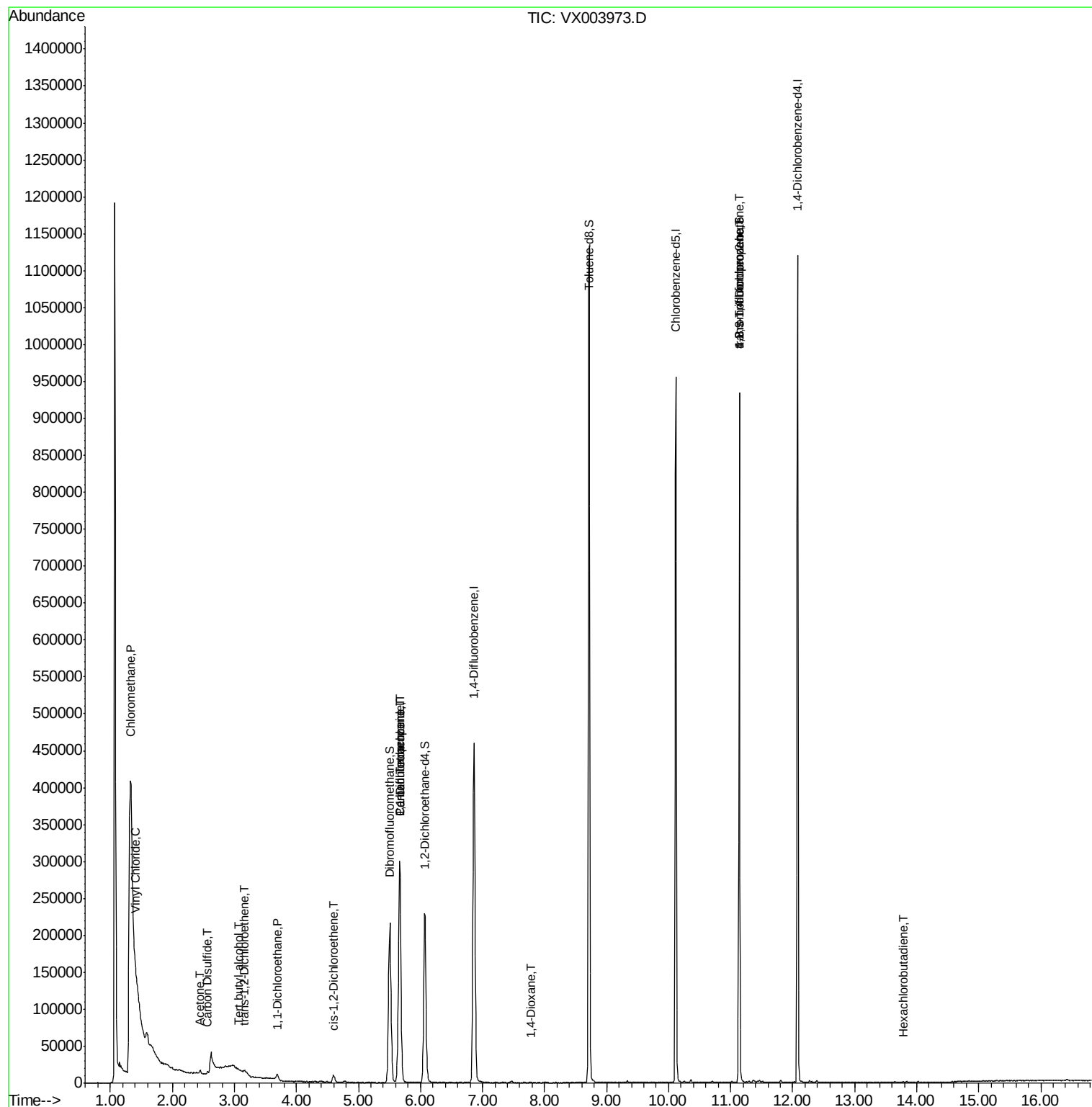
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	29165	6.99	ug/l #	49
4) Vinyl Chloride	1.40	62	4531	1.09	ug/l #	1
5) Bromomethane	1.66	94	1213	Below Cal	#	67
11) Tert butyl alcohol	3.07	59	461	0.48	ug/l #	80
13) Acrolein	2.29	56	189	Below Cal		89
16) Acetone	2.45	43	5254	2.20	ug/l	97
17) Carbon Disulfide	2.57	76	4250	0.90	ug/l	96
20) Methylene Chloride	2.86	84	1011	Below Cal	#	73
21) trans-1,2-Dichloroethene	3.17	96	1035	0.28	ug/l	88
24) 1,1-Dichloroethane	3.70	63	7963	1.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	6272	1.57	ug/l	96
36) 1,1-Dichloropropene	5.66	75	20316	3.79	ug/l #	49
38) Carbon Tetrachloride	5.66	117	27062	5.31	ug/l #	15
49) 1,4-Dioxane	7.77	88	335	3.16	ug/l #	85
76) 1,2,3-Trichloropropane	11.14	75	111739	21.27	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	111739	57.51	ug/l #	9
88) 1,4-Dichlorobenzene	12.03	146	440	Below Cal		90
94) Hexachlorobutadiene	13.78	225	288	0.54	ug/l	74

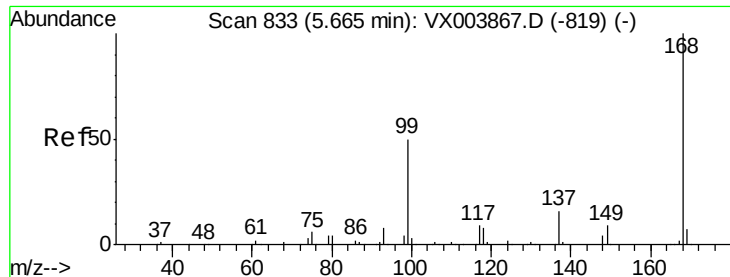
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_X

ClientSampleId :

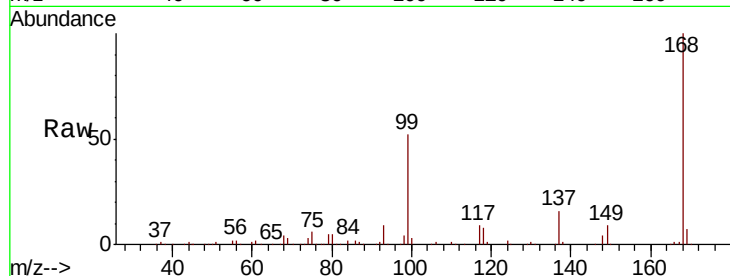
MW-103I

Tot Ion:168 Resp: 302700

Ion Ratio Lower Upper

168 100

99 51.6 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

120000

100000

80000

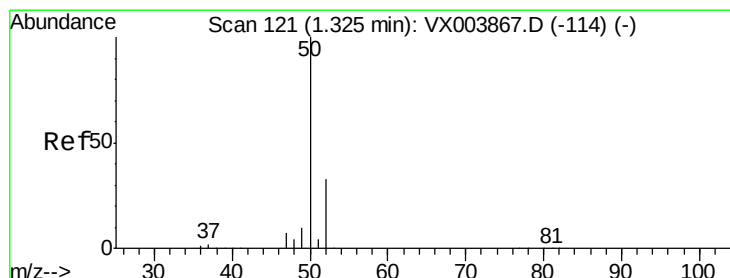
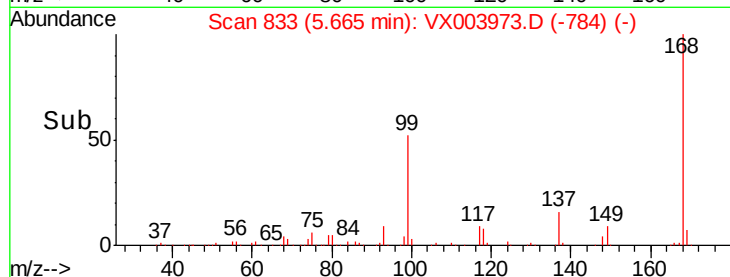
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 6.99 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003973.D

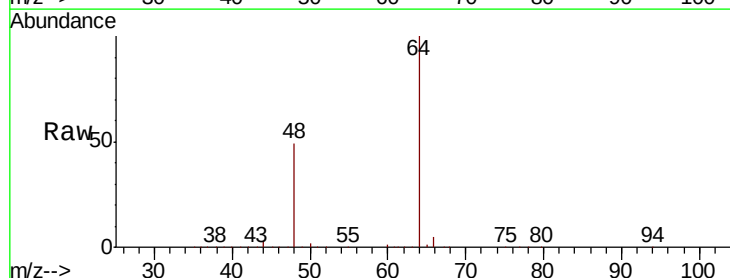
Acq: 10 Aug 2018 13:37

Tgt Ion: 50 Resp: 29165

Ion Ratio Lower Upper

50 100

52 4.5 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

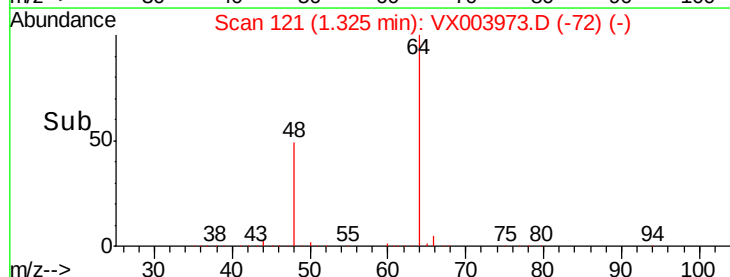
6000

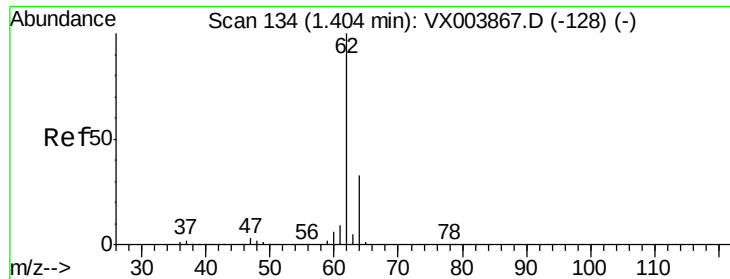
4000

2000

0

Time--> 1.20 1.30 1.40





#4

Vinyl Chloride

Concen: 1.09 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_X

ClientSampled :

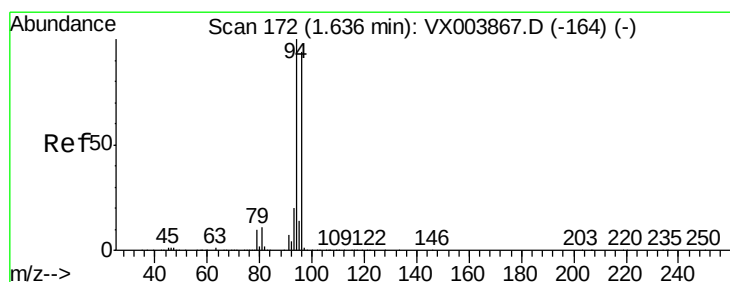
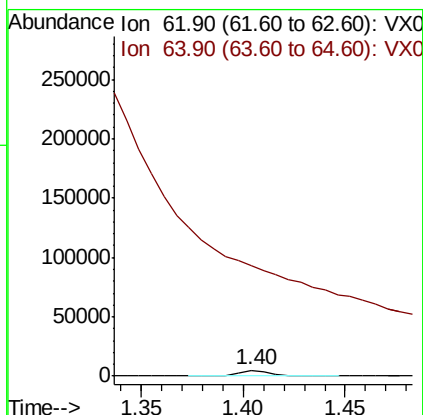
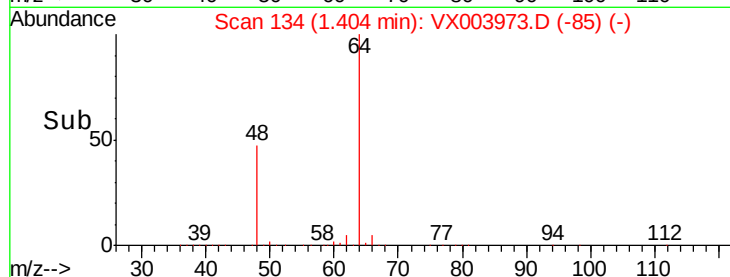
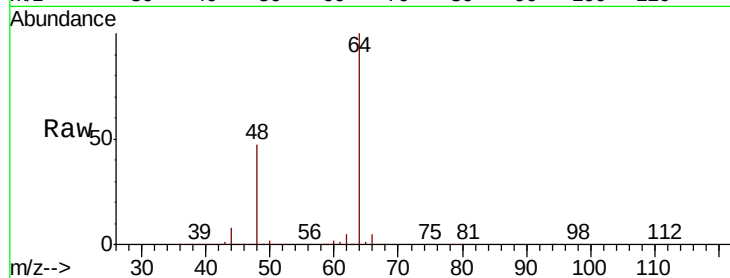
MW-103I

Tot Ion: 62 Resp: 4531

Ion Ratio Lower Upper

62 100

64 516.3 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX003973.D

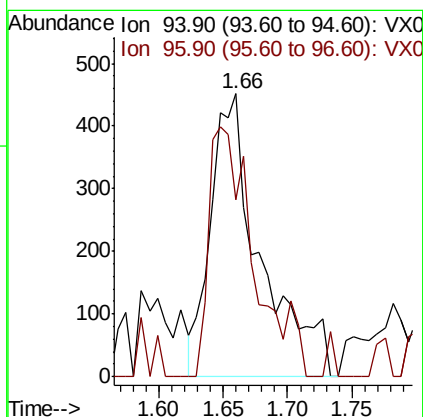
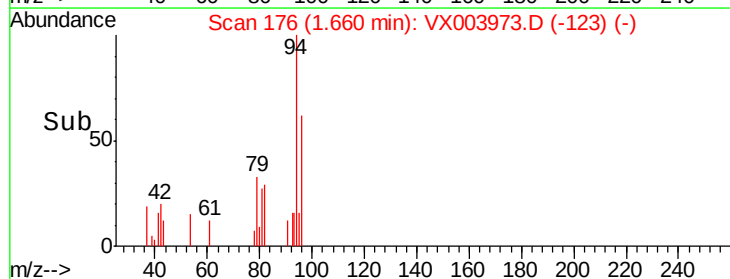
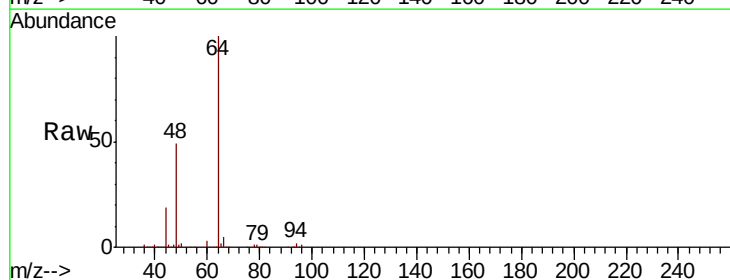
Acq: 10 Aug 2018 13:37

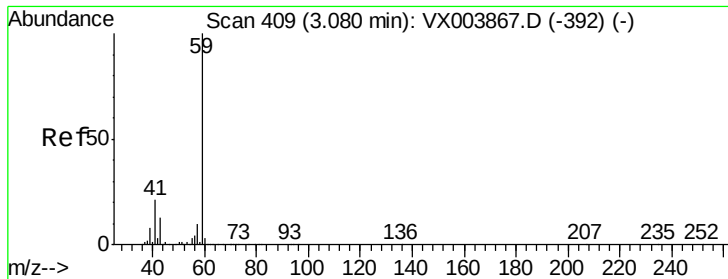
Tgt Ion: 94 Resp: 1213

Ion Ratio Lower Upper

94 100

96 62.4 75.2 112.8#

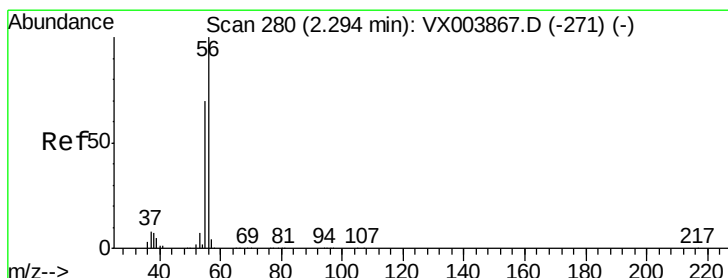
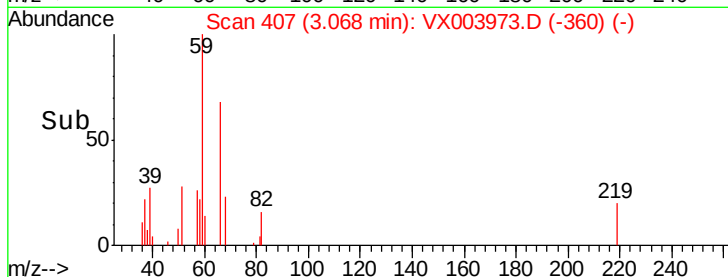
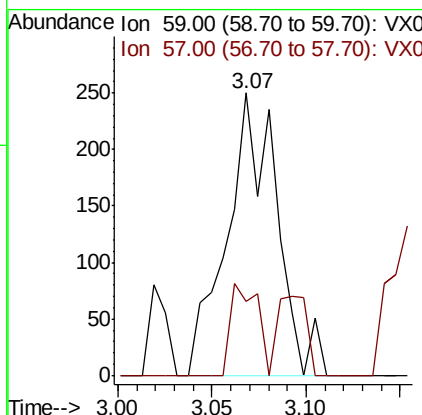
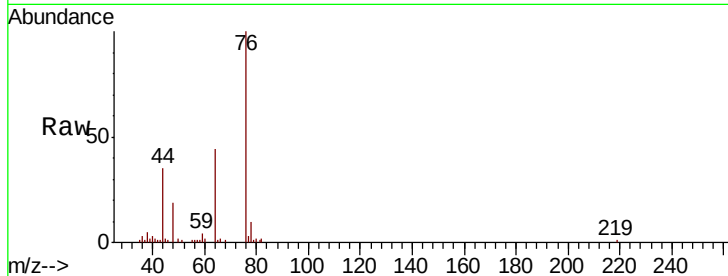




#11
Tert butyl alcohol
Concen: 0.48 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

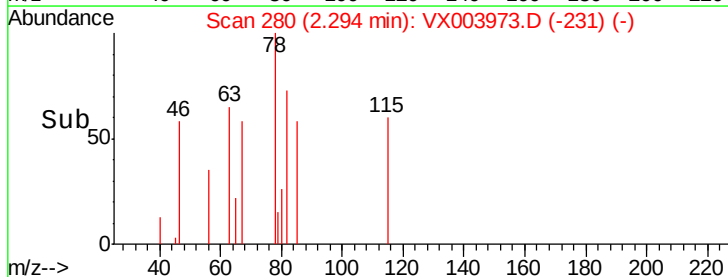
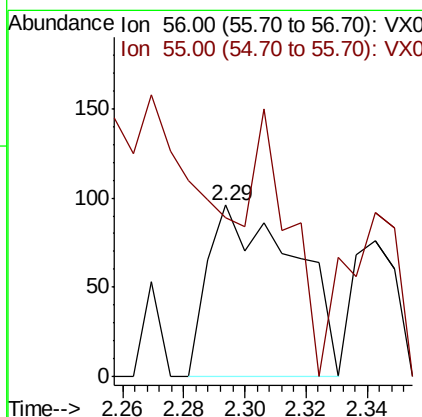
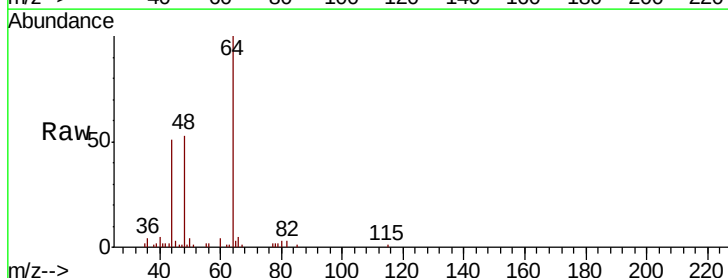
Instrument :
MSVOA_X
ClientSampled :
MW-103I

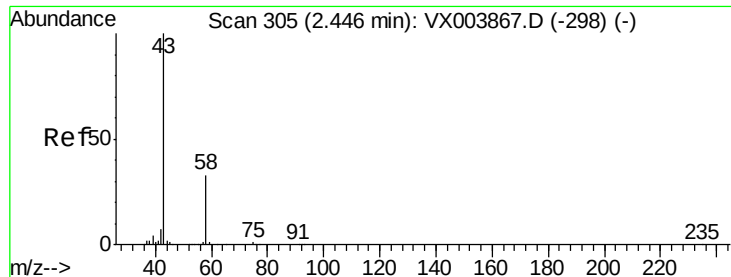
Tot Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 17.4 8.1 12.1#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 61.4 56.1 84.1





#16

Acetone

Concen: 2.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_X

ClientSampleId :

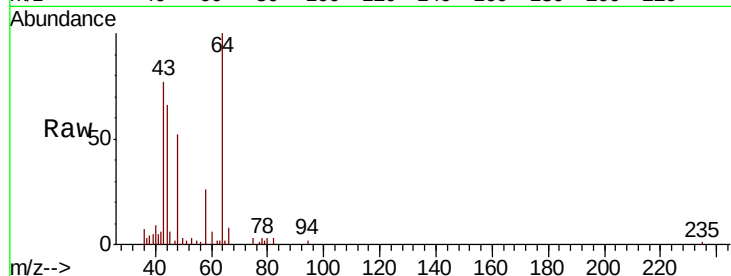
MW-103I

Tot Ion: 43 Resp: 5254

Ion Ratio Lower Upper

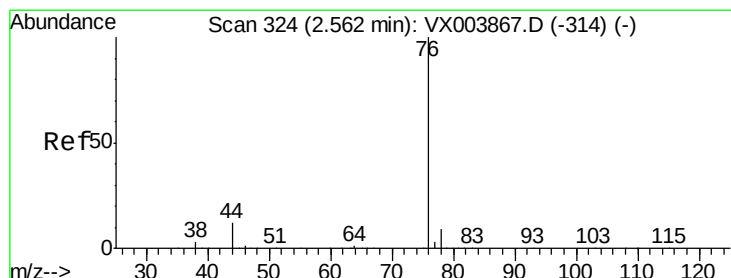
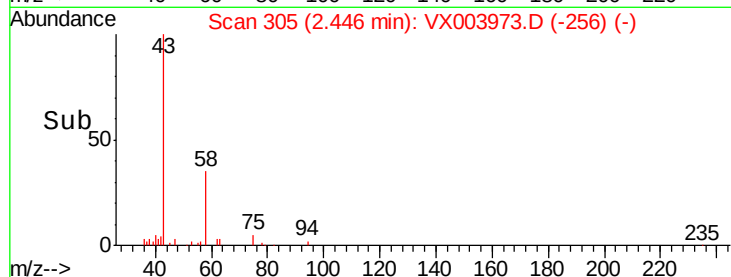
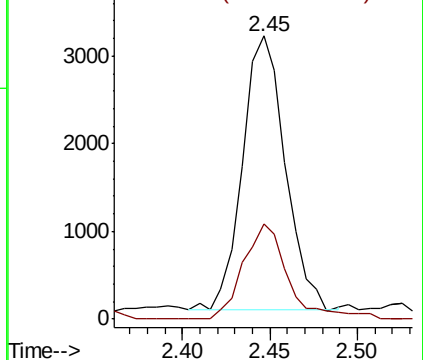
43 100

58 34.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.90 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003973.D

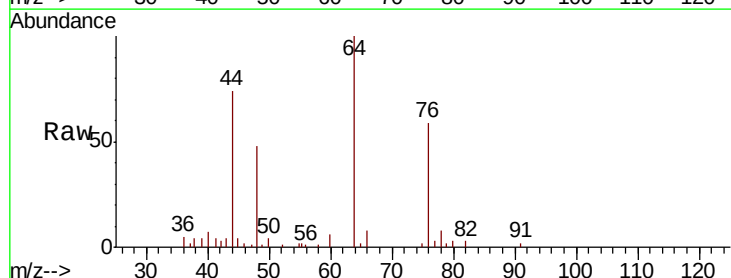
Acq: 10 Aug 2018 13:37

Tgt Ion: 76 Resp: 4250

Ion Ratio Lower Upper

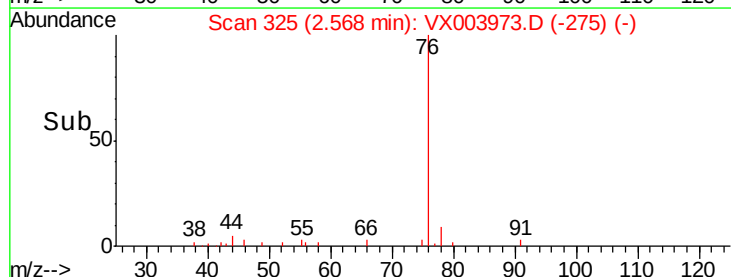
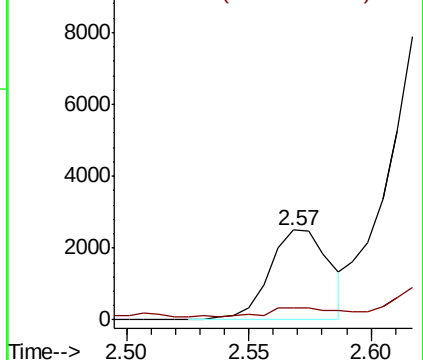
76 100

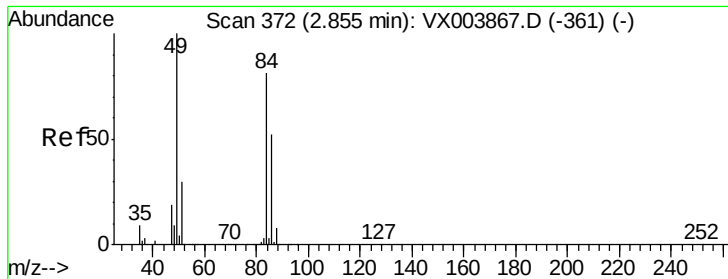
78 10.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

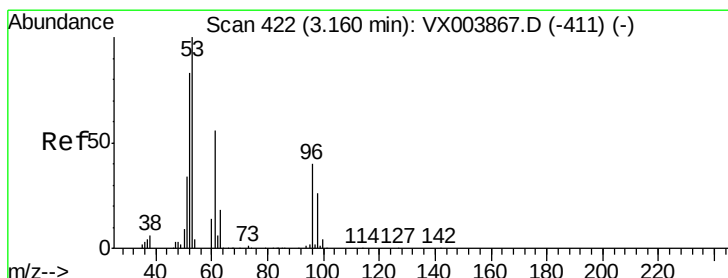
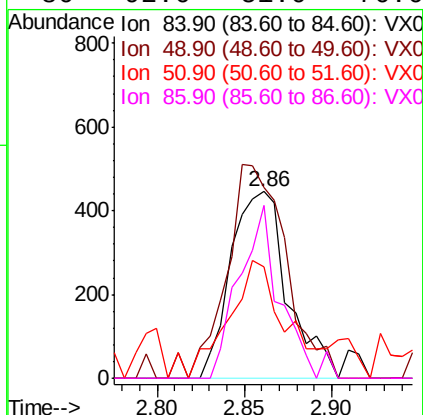
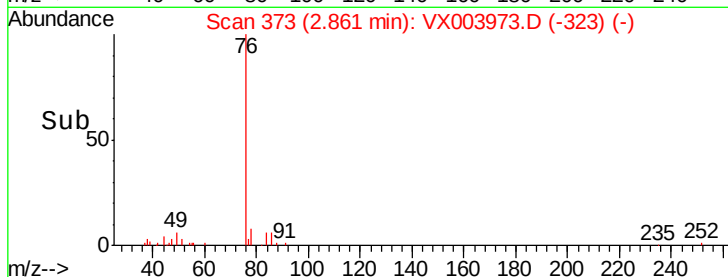
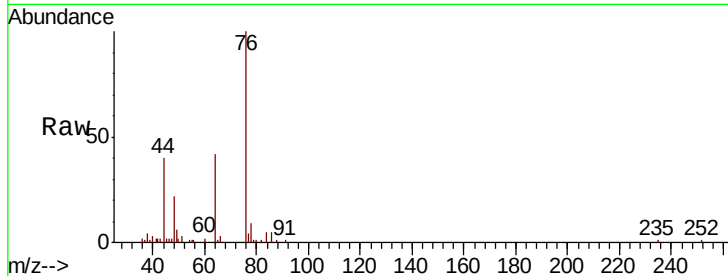




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

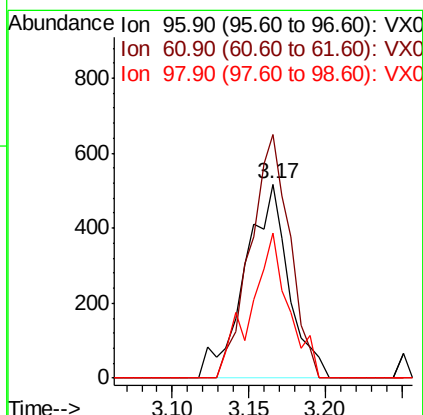
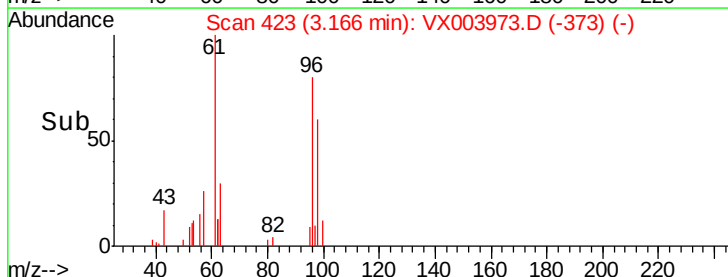
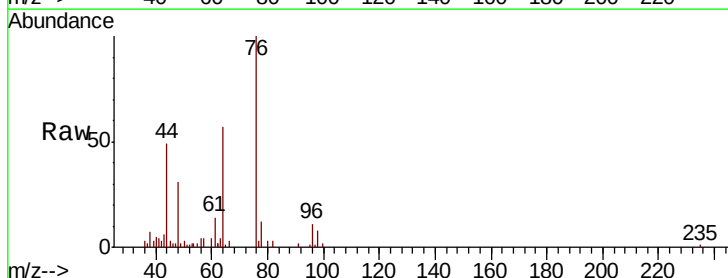
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MW-103I

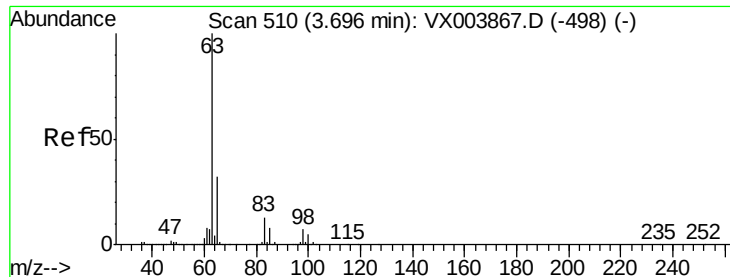
Tot Ion: 84 Resp: 1011
Ion Ratio Lower Upper
84 100
49 102.5 98.9 148.3
51 59.4 29.9 44.9#
86 92.6 51.0 76.6#



#21
trans-1,2-Dichloroethene
Concen: 0.28 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

Tgt Ion: 96 Resp: 1035
Ion Ratio Lower Upper
96 100
61 125.5 111.8 167.6
98 75.0 51.8 77.6





#24

1,1-Dichloroethane

Concen: 1.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_X

ClientSampleId :

MW-103I

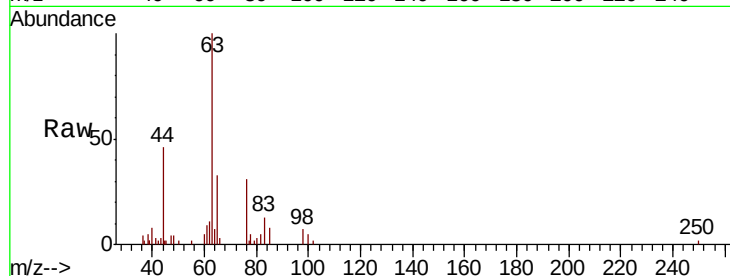
Tot Ion: 63 Resp: 7963

Ion Ratio Lower Upper

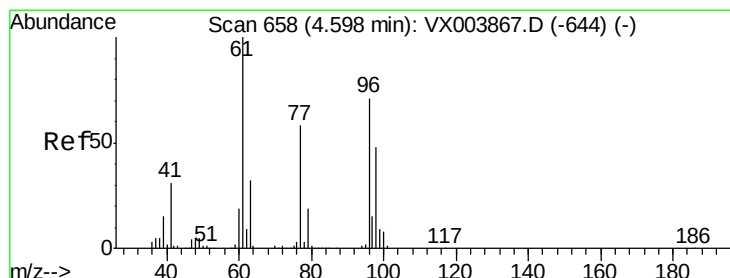
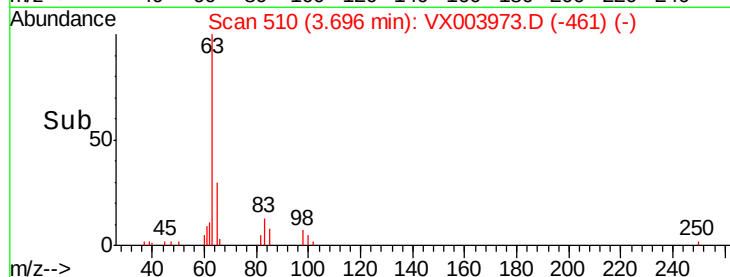
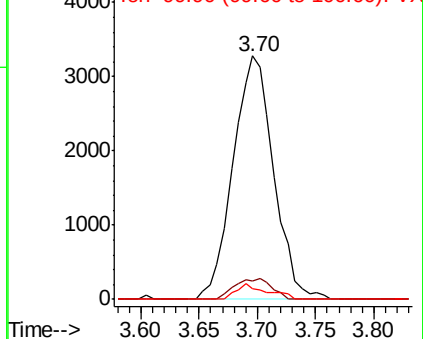
63 100

98 7.5 3.5 10.5

100 4.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.57 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

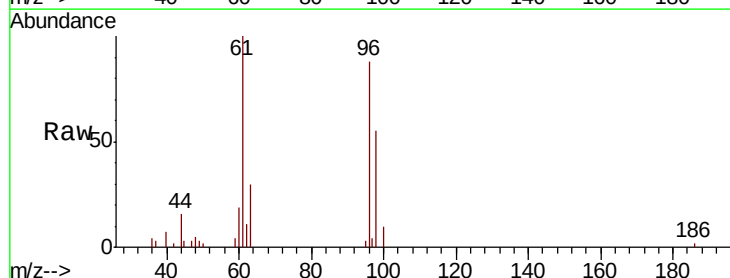
Tgt Ion: 96 Resp: 6272

Ion Ratio Lower Upper

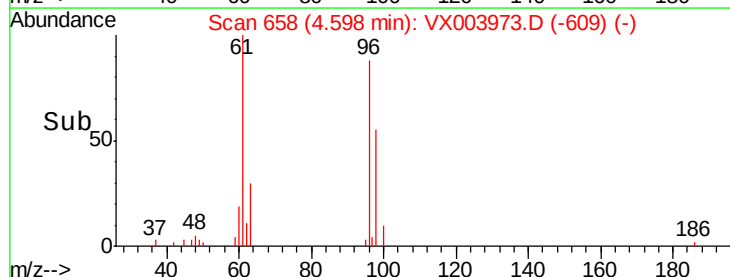
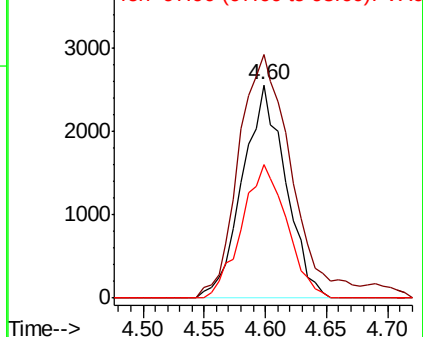
96 100

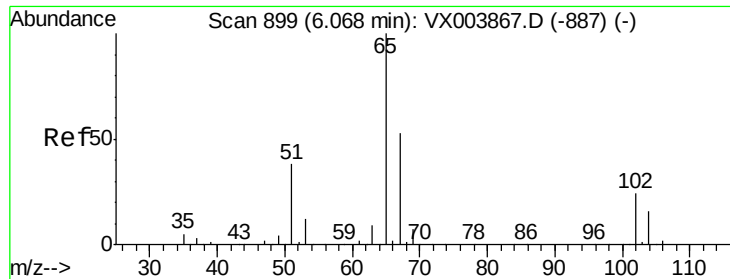
61 140.0 0.0 293.0

98 65.6 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

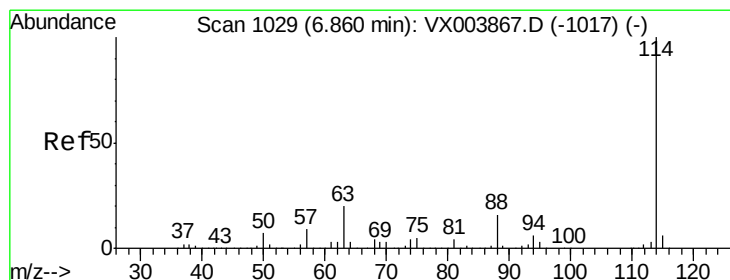
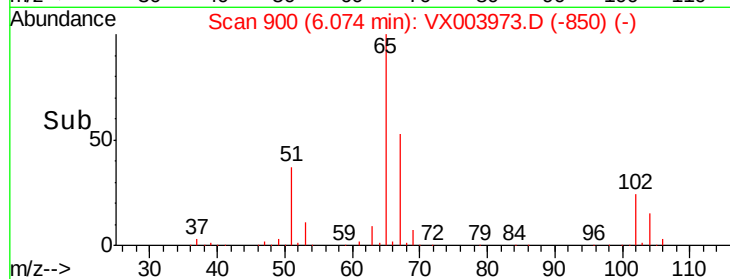
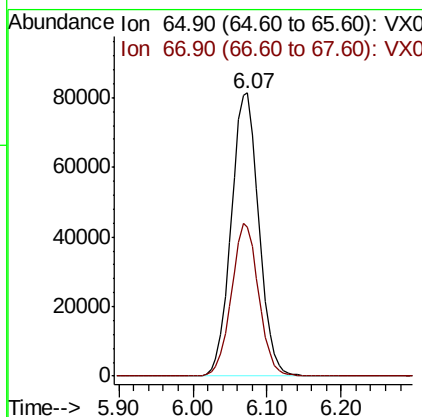
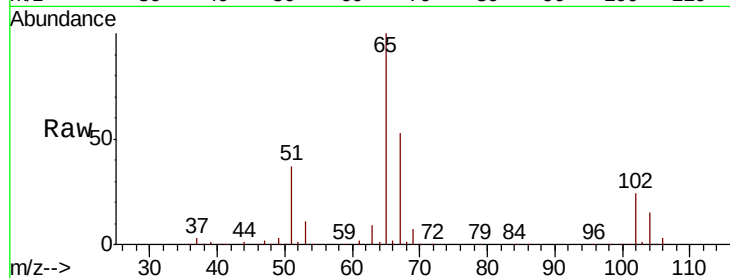




#33
 1,2-Dichloroethane-d4
 Concen: 52.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003973.D
 Acq: 10 Aug 2018 13:37

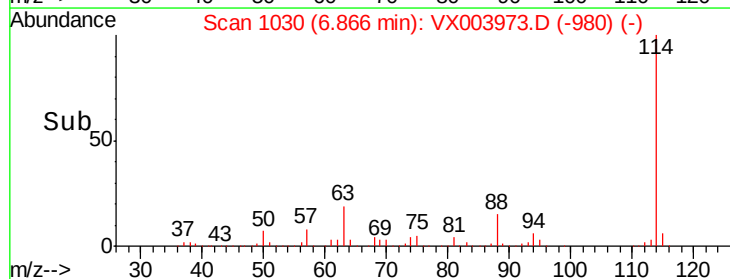
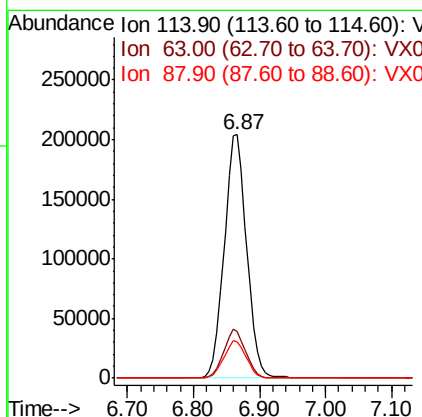
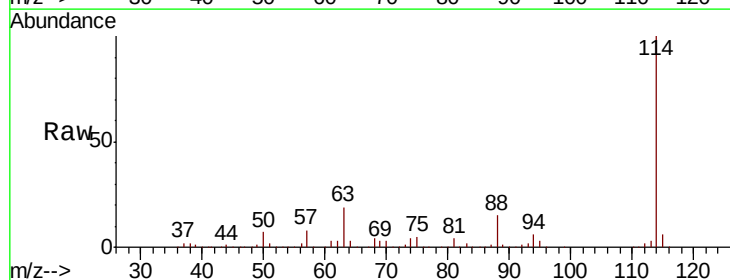
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103I

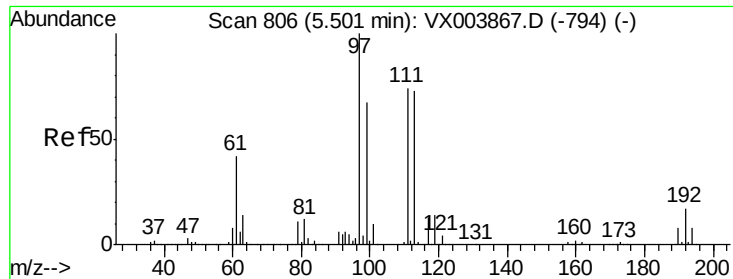
Tot Ion: 65 Resp: 212270
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003973.D
 Acq: 10 Aug 2018 13:37

Tgt Ion: 114 Resp: 478222
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 14.9 0.0 32.0

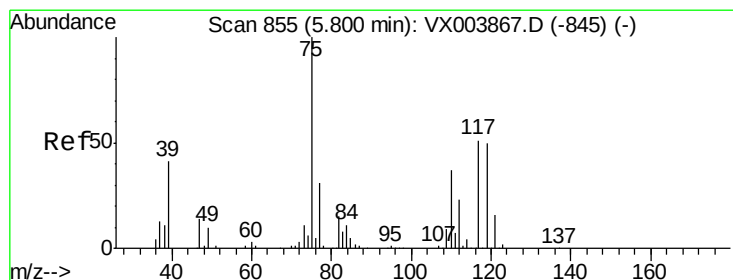
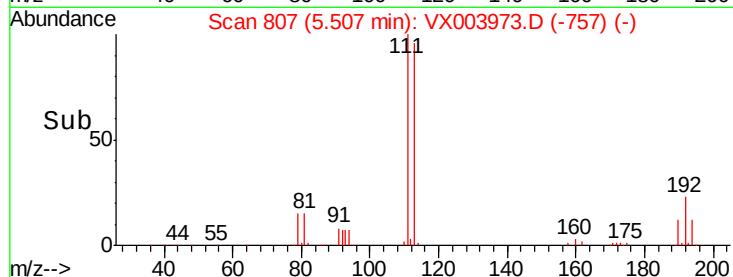
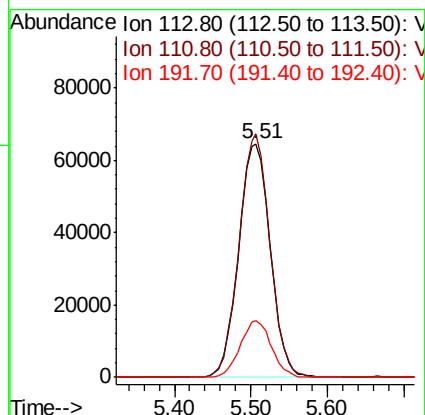
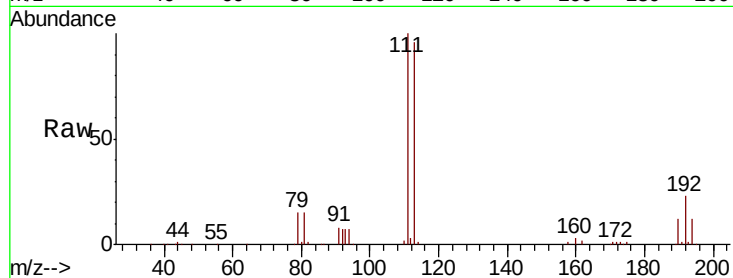




#35
 Dibromofluoromethane
 Concen: 51.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003973.D
 Acq: 10 Aug 2018 13:37

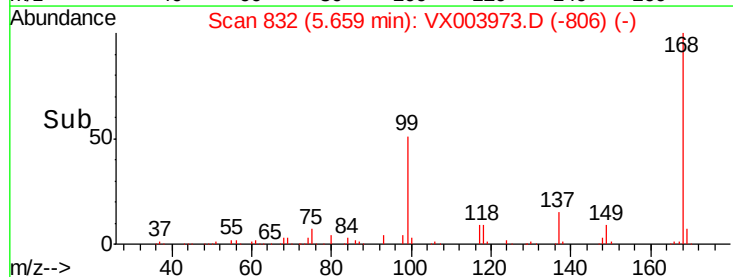
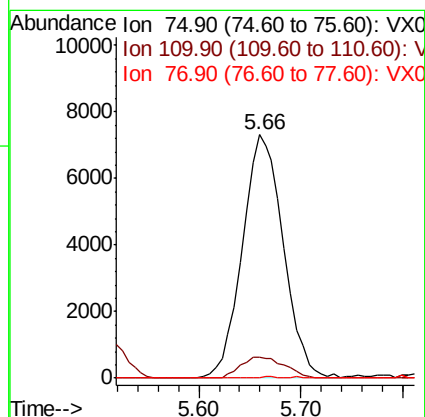
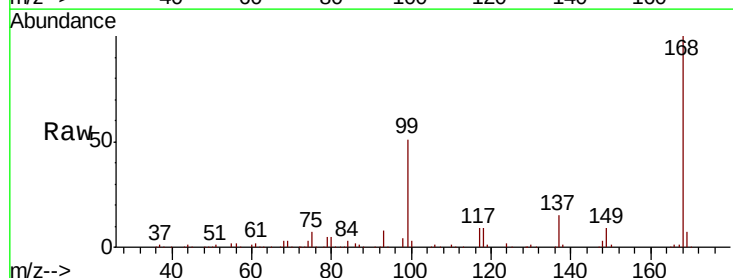
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103I

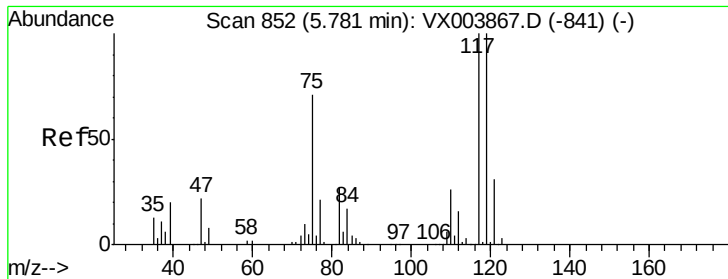
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	24.0	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX003973.D
 Acq: 10 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.2	54.6#
77	0.2	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.31 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_X

ClientSampled :

MW-103I

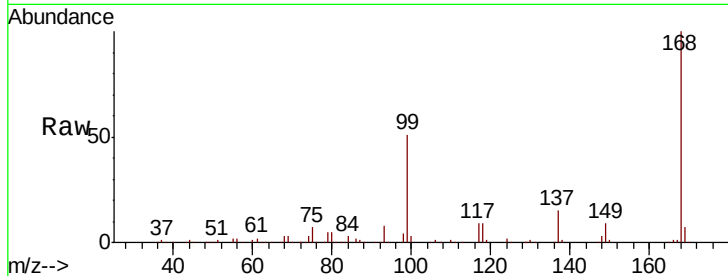
Tot Ion:117 Resp: 27062

Ion Ratio Lower Upper

117 100

119 5.4 79.5 119.3#

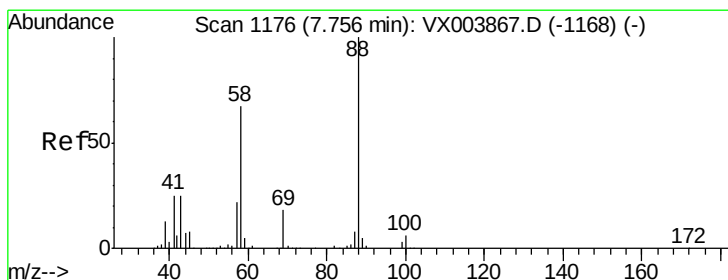
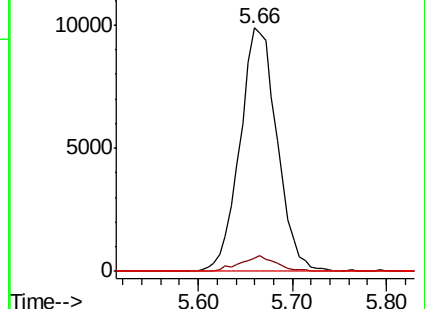
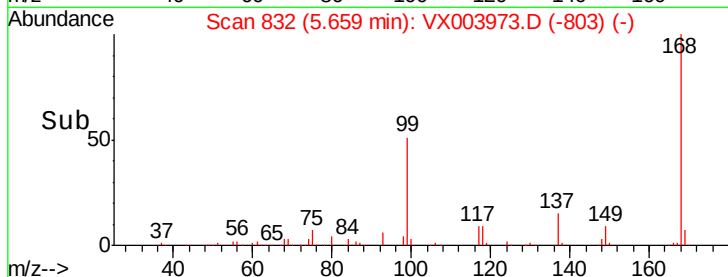
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 3.16 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

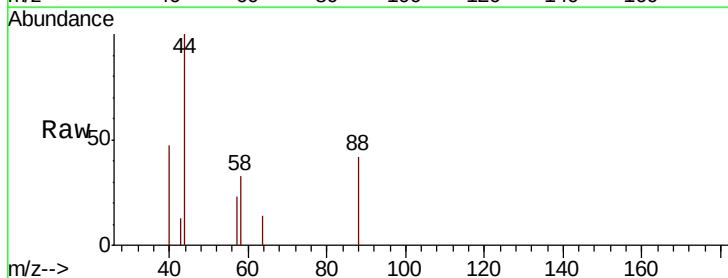
Tgt Ion: 88 Resp: 335

Ion Ratio Lower Upper

88 100

43 39.7 23.8 35.8#

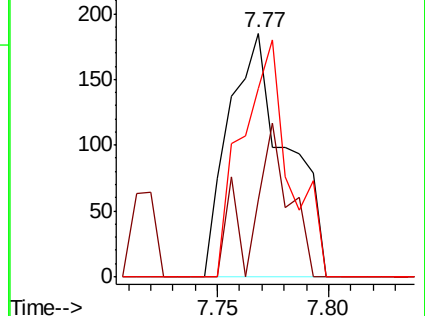
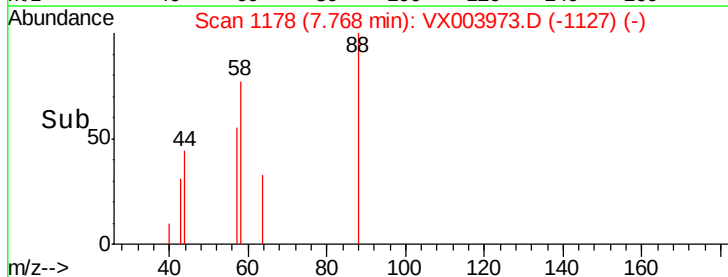
58 79.7 55.4 83.0

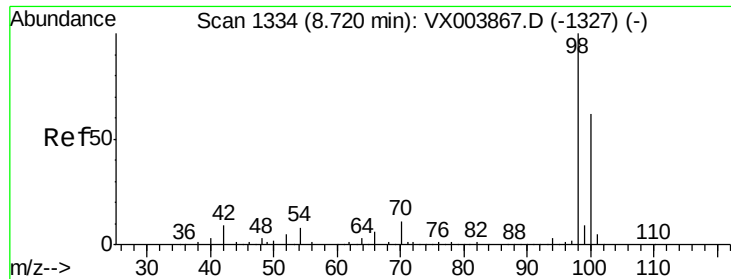


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

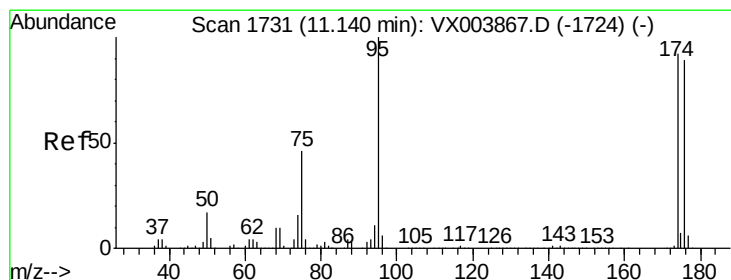
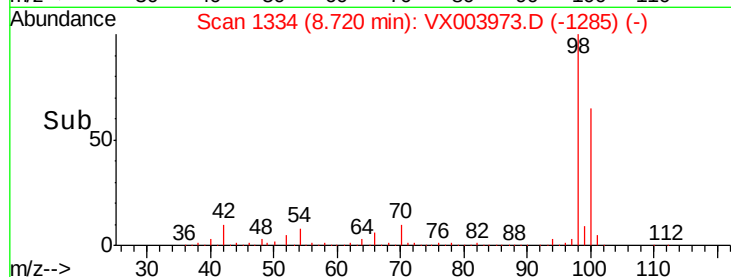
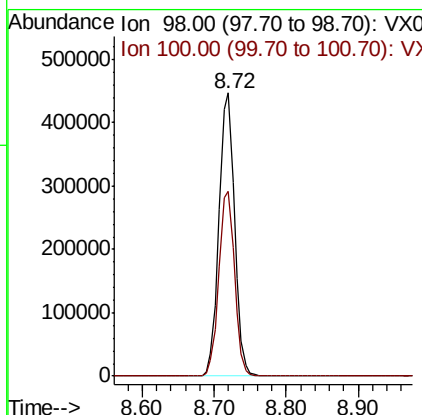
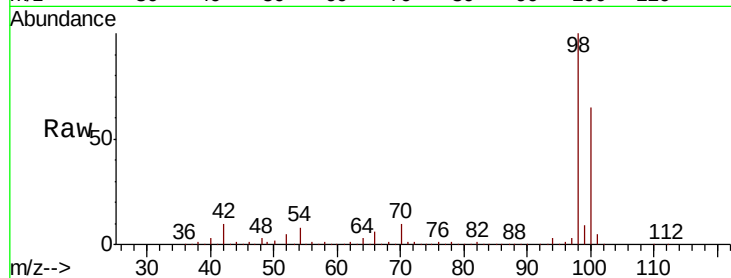




#50
Toluene-d8
Concen: 47.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

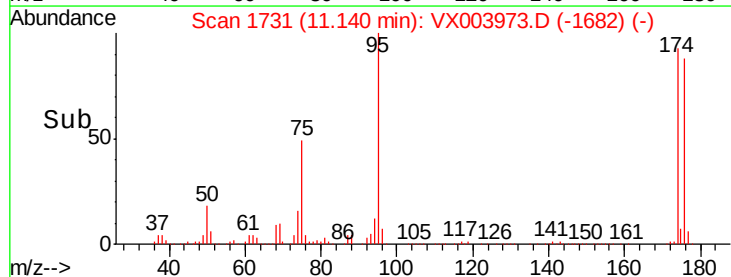
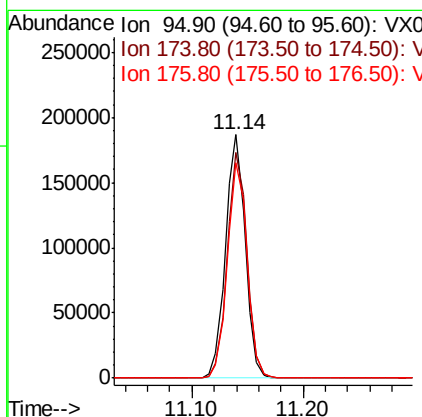
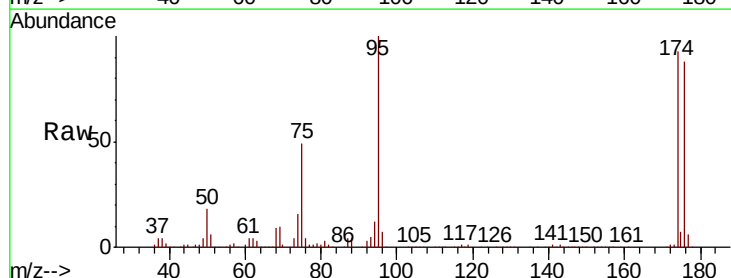
Instrument :
MSVOA_X
ClientSampleId :
MW-103I

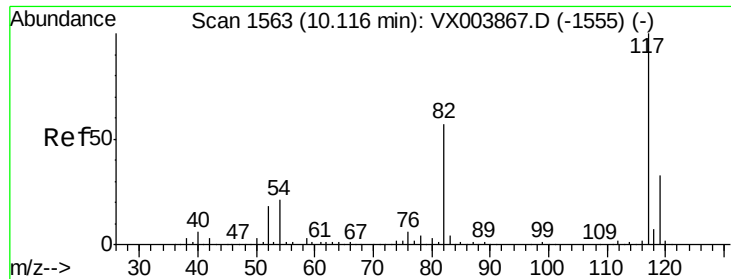
Tot Ion: 98 Resp: 669701
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

Tgt Ion: 95 Resp: 228327
Ion Ratio Lower Upper
95 100
174 93.0 0.0 182.8
176 88.9 0.0 179.0

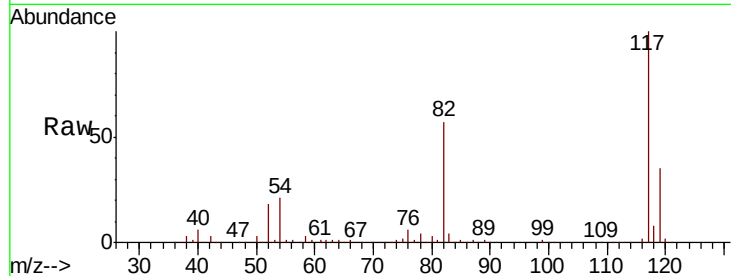




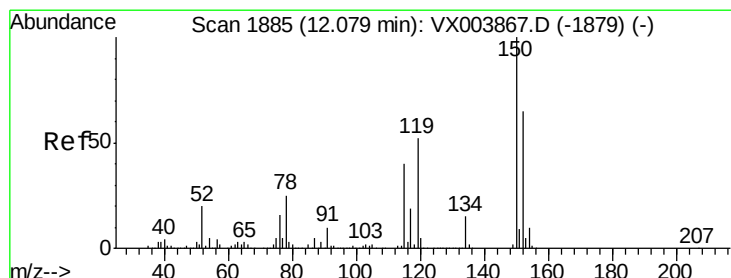
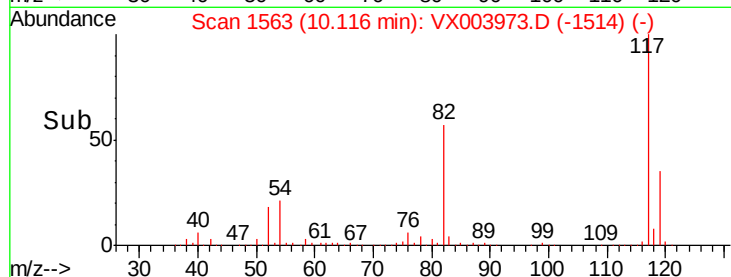
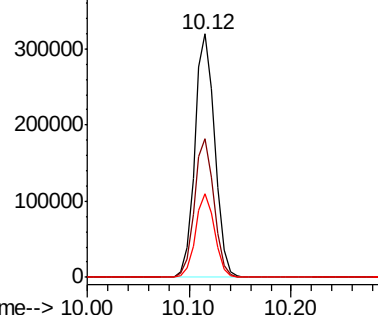
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-103I

Tot Ion:117 Resp: 435198
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 34.5 26.6 40.0

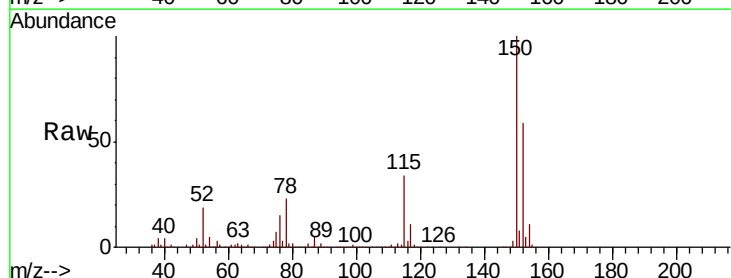


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

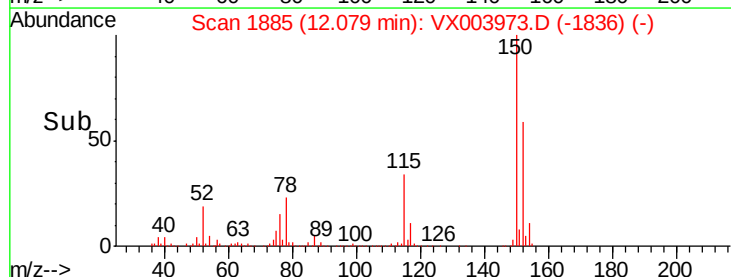
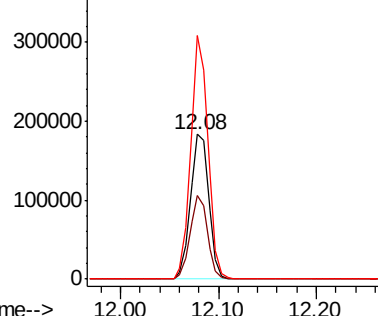


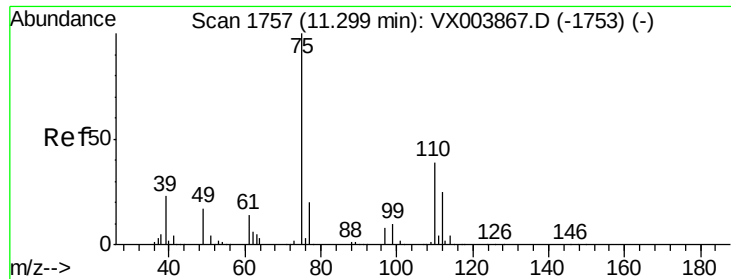
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003973.D
Acq: 10 Aug 2018 13:37

Tgt Ion:152 Resp: 237839
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.3
150 157.8 0.0 349.2



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: 21.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_X

ClientSampled :

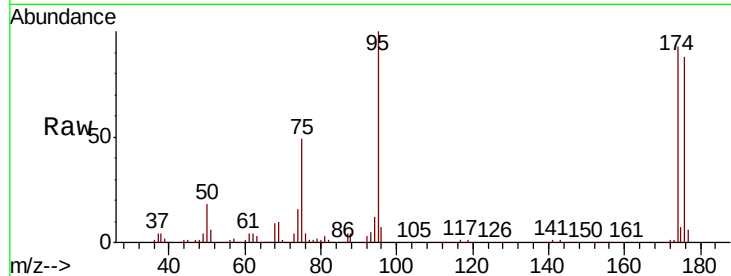
MW-103I

Tot Ion: 75 Resp: 111739

Ion Ratio Lower Upper

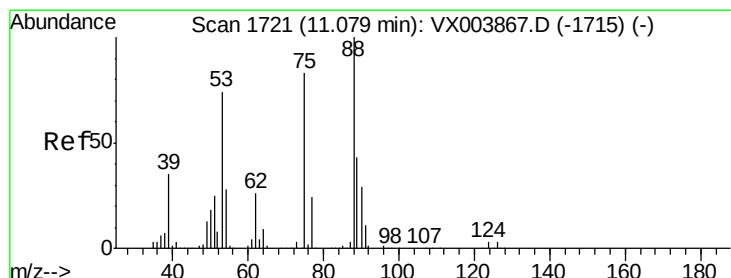
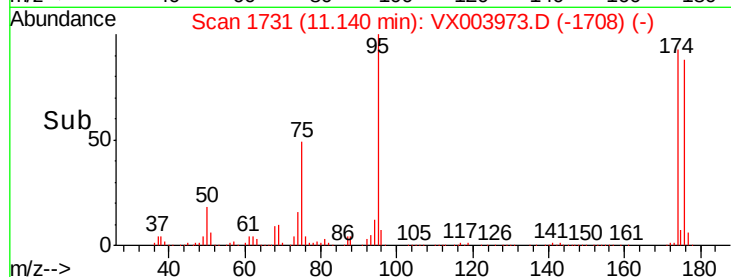
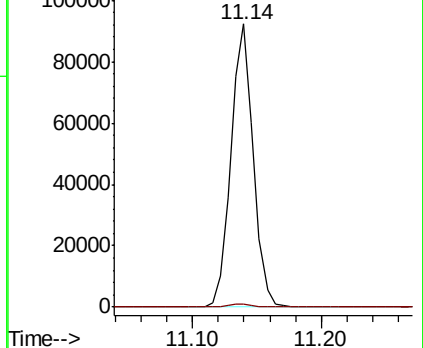
75 100

77 1.3 20.8 62.5#



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: 57.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003973.D

Acq: 10 Aug 2018 13:37

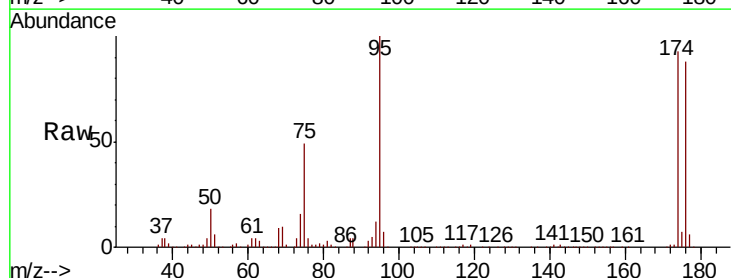
Tgt Ion: 75 Resp: 111739

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

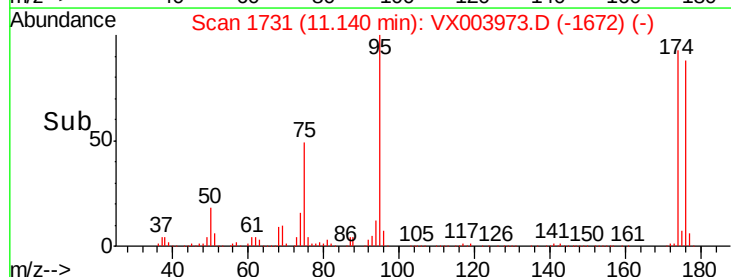
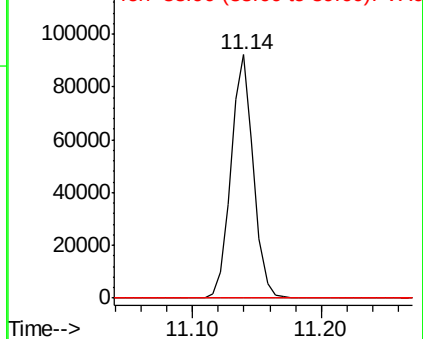
89 0.0 37.8 56.8#

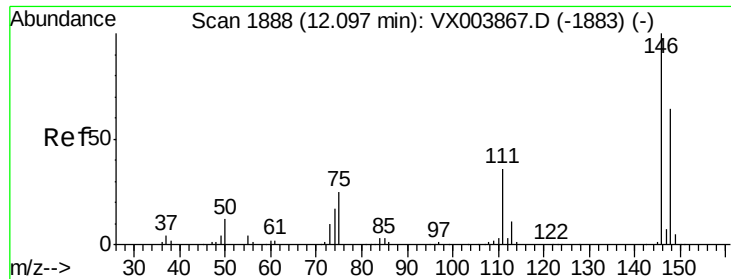


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

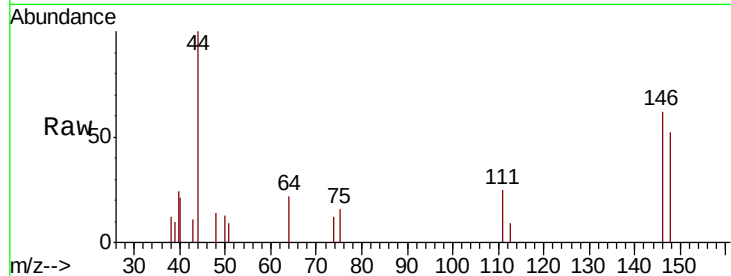




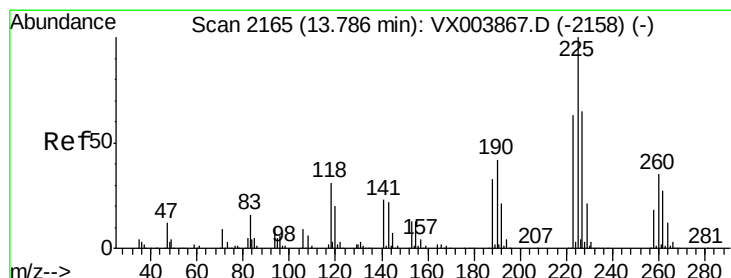
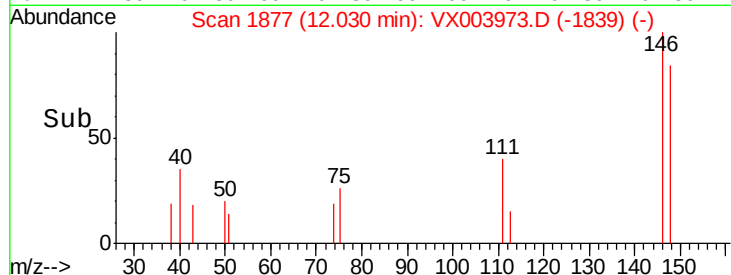
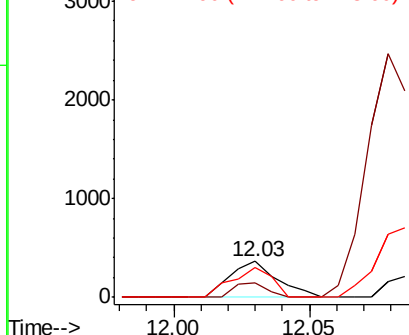
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003973.D
 Acq: 10 Aug 2018 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103I

Tot Ion:146 Resp: 440
 Ion Ratio Lower Upper
 146 100
 111 28.6 18.4 55.0
 148 71.1 32.3 96.8

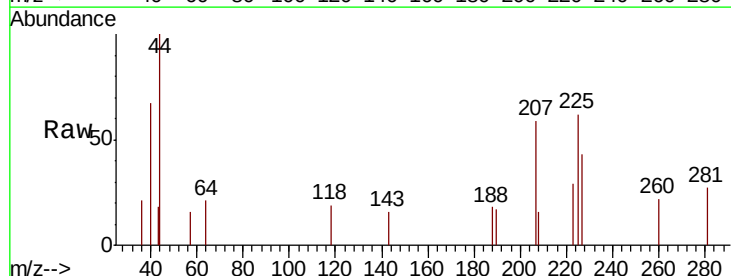


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#94
 Hexachlorobutadiene
 Concen: 0.54 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003973.D
 Acq: 10 Aug 2018 13:37

Tgt Ion:225 Resp: 288
 Ion Ratio Lower Upper
 225 100
 223 44.1 31.4 94.0
 227 42.7 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

