

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003980.D
 Acq On : 10 Aug 2018 16:43
 Operator : JC/MD
 Sample : J4379-25
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103D

Quant Time: Aug 11 01:45:41 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	300698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	461590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	210358	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	5.51	113	181316	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	8.72	98	637899	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.14	95	219125	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

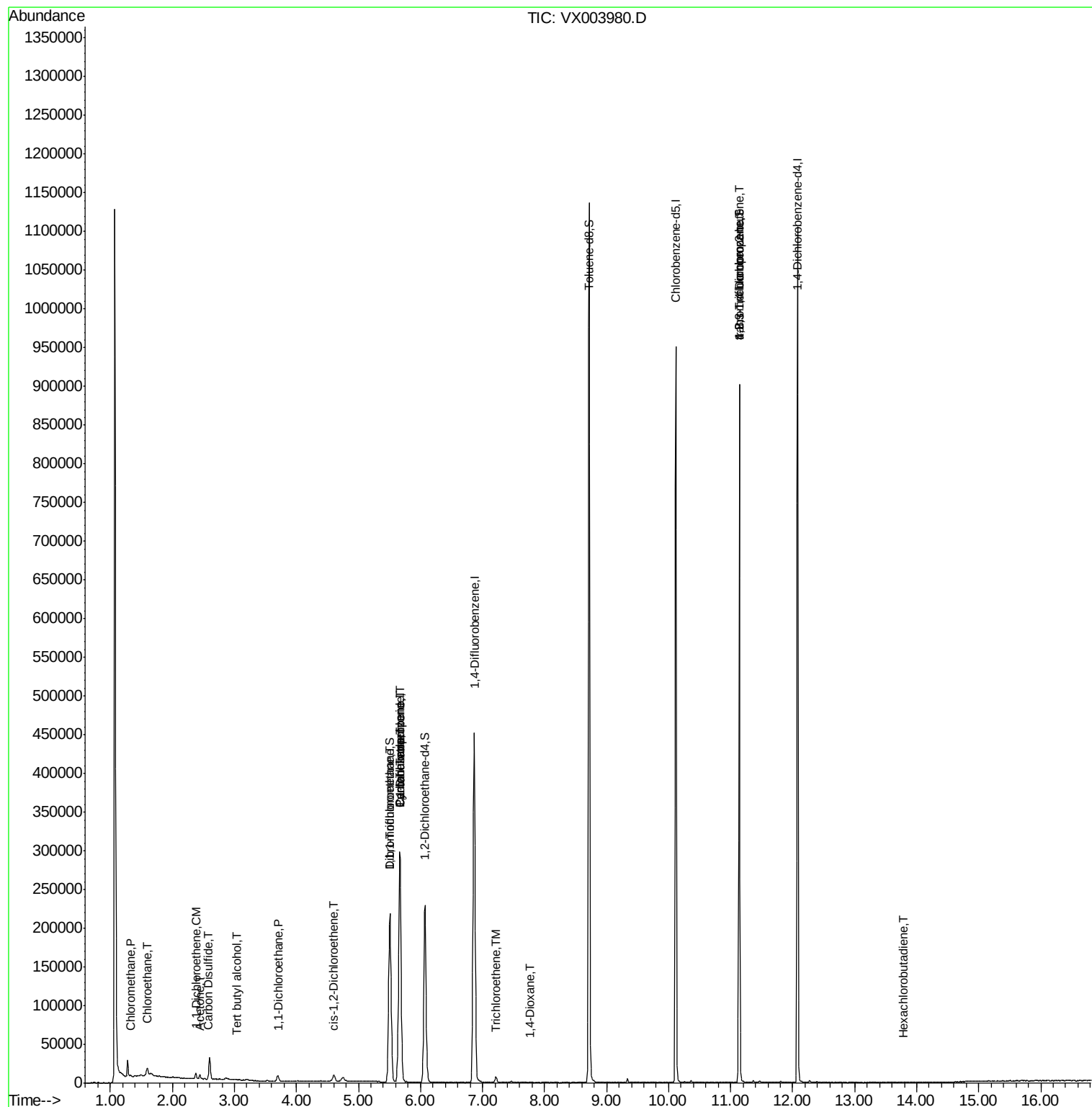
						Qvalue
3) Chloromethane	1.32	50	1284	0.31	ug/l	99
5) Bromomethane	1.65	94	1038	Below	Cal	96
6) Chloroethane	1.59	64	1475	0.56	ug/l #	42
11) Tert butyl alcohol	3.04	59	698	0.73	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	2347	0.73	ug/l	97
13) Acrolein	2.30	56	51	Below	Cal #	1
16) Acetone	2.44	43	4986	2.10	ug/l	90
17) Carbon Disulfide	2.57	76	872	0.53	ug/l #	91
20) Methylene Chloride	2.86	84	781	Below	Cal	94
24) 1,1-Dichloroethane	3.70	63	8089	1.19	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	4674	1.18	ug/l	83
31) Cyclohexane	5.67	56	5463	0.95	ug/l #	1
32) 1,1,1-Trichloroethane	5.51	97	1476	0.28	ug/l #	24
36) 1,1-Dichloropropene	5.67	75	20552	3.98	ug/l #	49
38) Carbon Tetrachloride	5.67	117	27282	5.54	ug/l #	15
44) Trichloroethene	7.21	130	3054	0.72	ug/l	80
49) 1,4-Dioxane	7.76	88	337	3.29	ug/l #	84
76) 1,2,3-Trichloropropane	11.14	75	106169	21.22	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	106169	57.37	ug/l #	9
88) 1,4-Dichlorobenzene	12.10	146	440	Below	Cal #	25
94) Hexachlorobutadiene	13.78	225	121	0.48	ug/l #	67

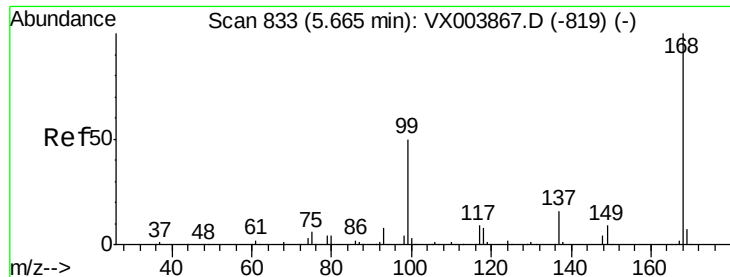
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081018\
Data File : VX003980.D
Acq On : 10 Aug 2018 16:43
Operator : JC/MD
Sample : J4379-25
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-103D

Quant Time: Aug 11 01:45:41 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

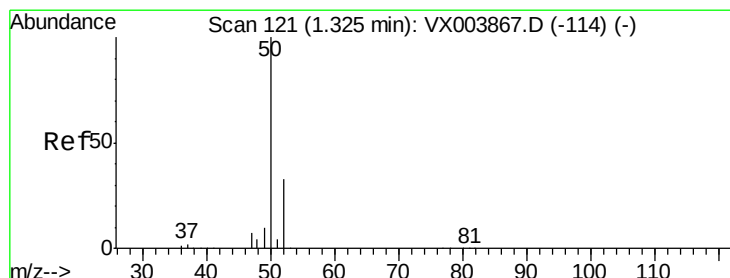
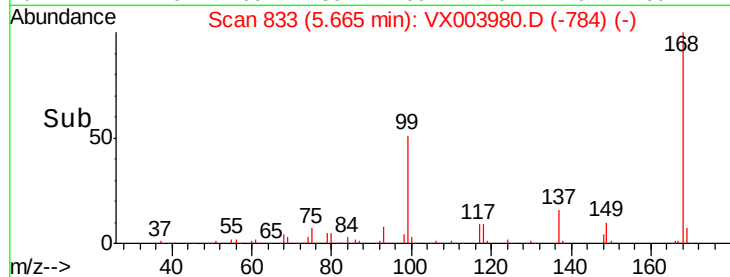
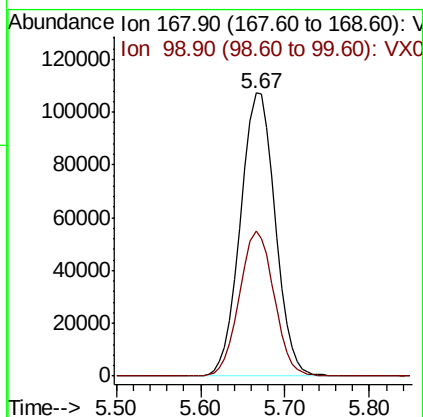
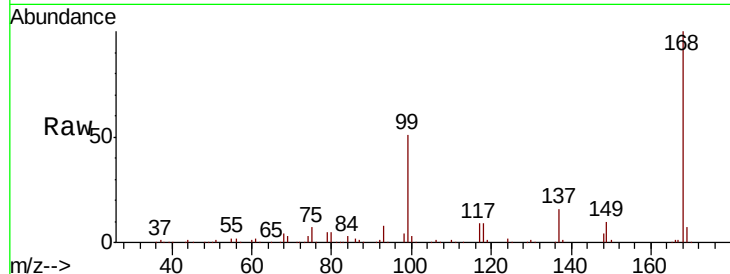




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

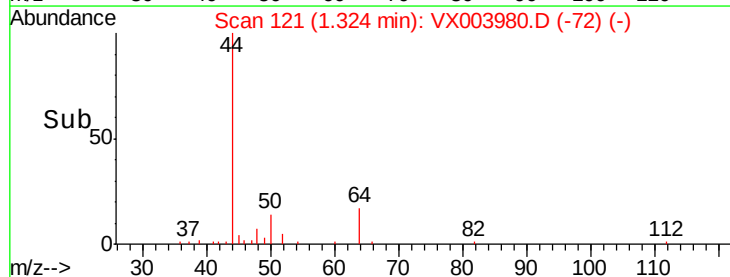
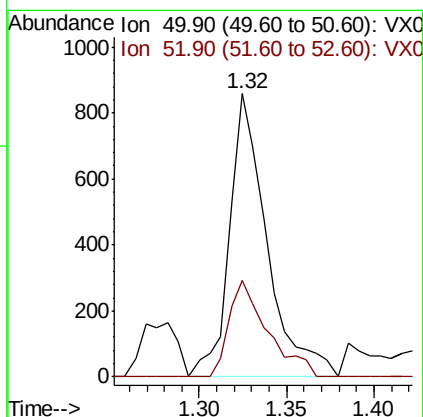
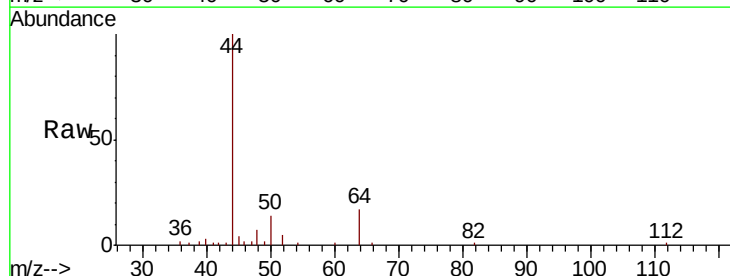
Instrument :
MSVOA_X
ClientSampleId :
MW-103D

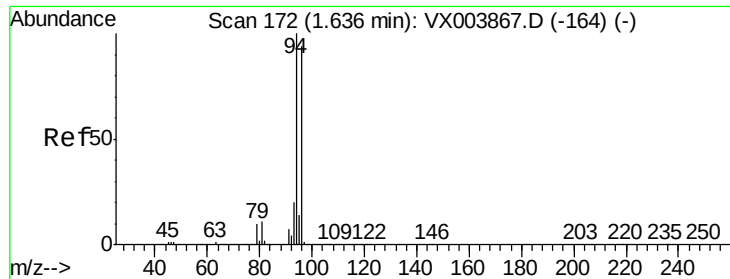
Tot Ion:168 Resp: 300698
Ion Ratio Lower Upper
168 100
99 51.2 40.1 60.1



#3
Chloromethane
Concen: 0.31 ug/l
RT: 1.32 min Scan# 121
Delta R.T. -0.00 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Tgt Ion: 50 Resp: 1284
Ion Ratio Lower Upper
50 100
52 33.9 26.6 39.8





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampled :

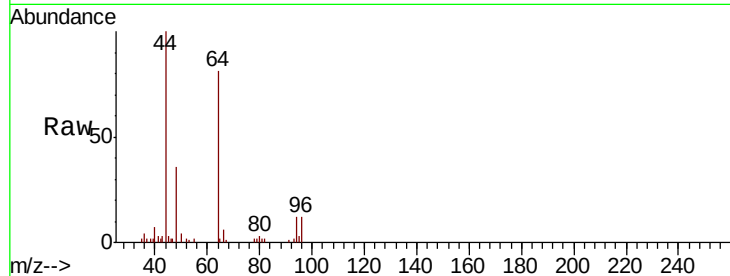
MW-103D

Tot Ion: 94 Resp: 1038

Ion Ratio Lower Upper

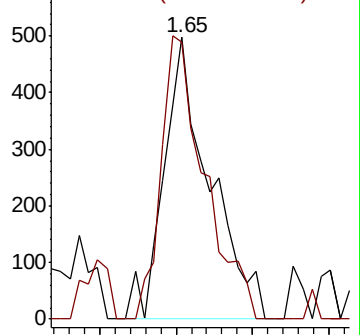
94 100

96 98.2 75.2 112.8

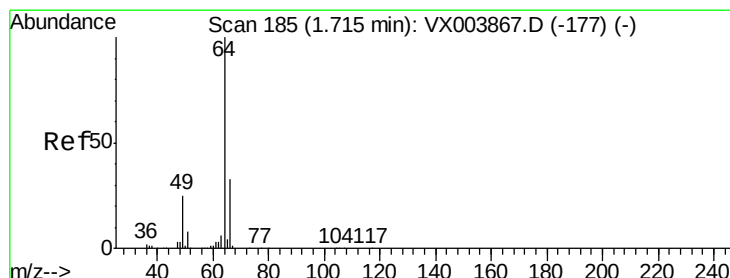
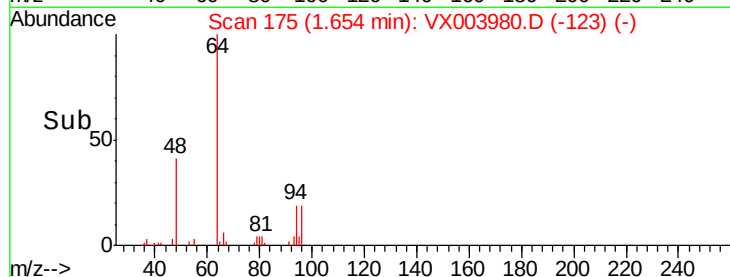


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.56 ug/l

RT: 1.59 min Scan# 164

Delta R.T. -0.13 min

Lab File: VX003980.D

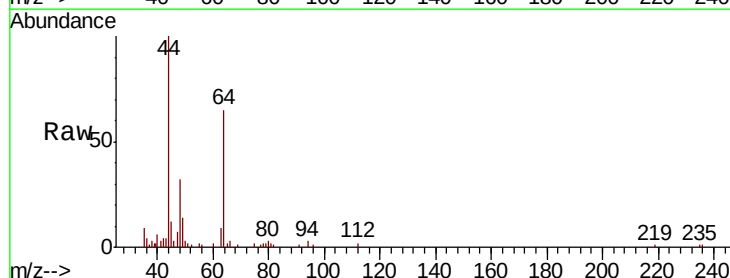
Acq: 10 Aug 2018 16:43

Tgt Ion: 64 Resp: 1475

Ion Ratio Lower Upper

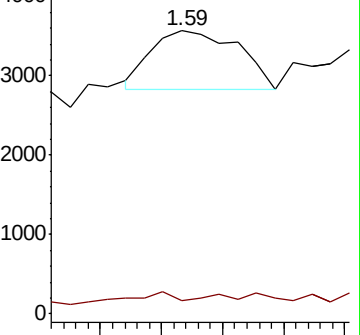
64 100

66 0.0 26.5 39.7#

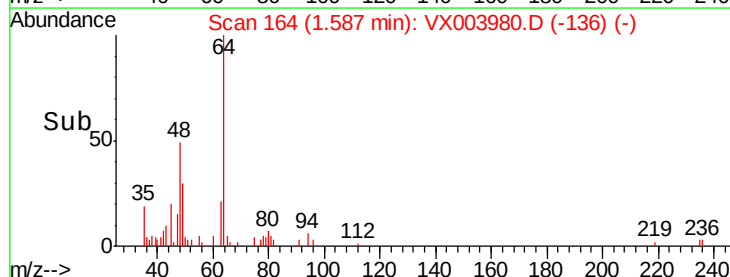


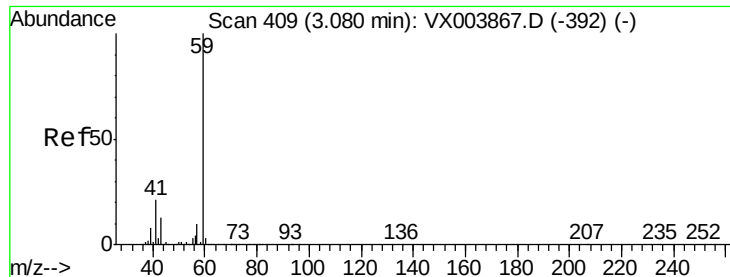
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



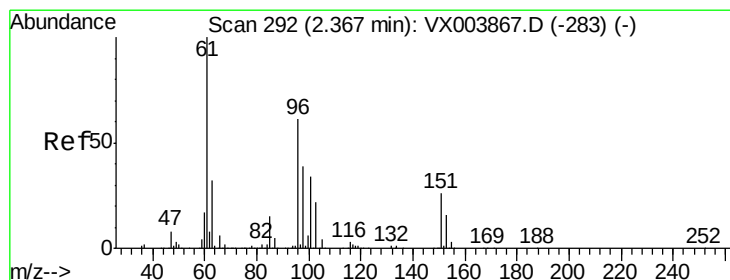
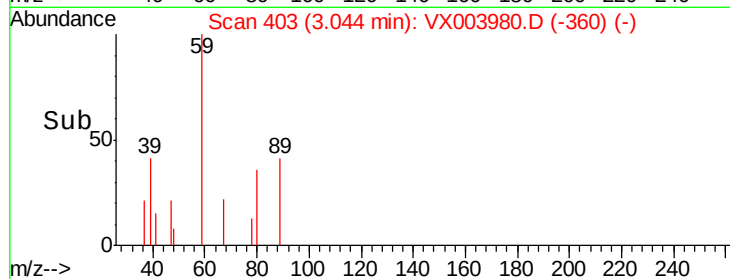
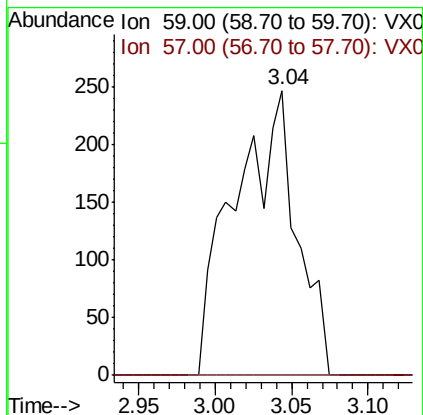
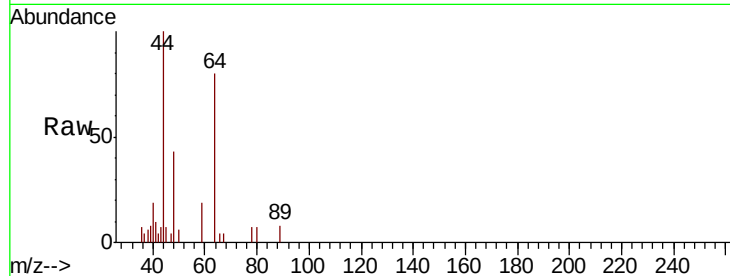


#11

Tert butyl alcohol
 Concen: 0.73 ug/l
 RT: 3.04 min Scan# 403
 Delta R.T. -0.04 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103D

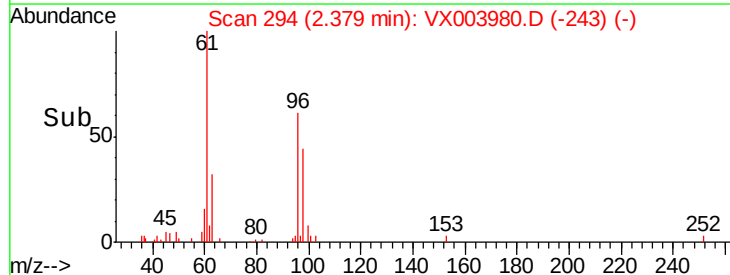
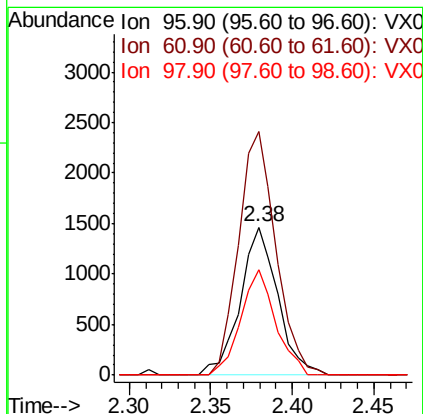
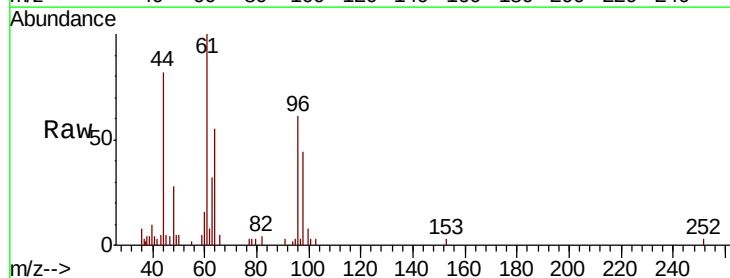
Tot Ion: 59 Resp: 698
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

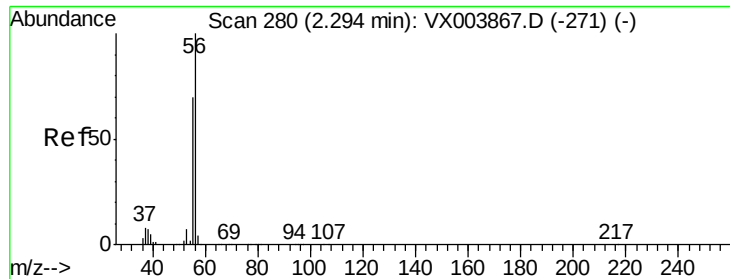


#12

1,1-Dichloroethene
 Concen: 0.73 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

Tgt Ion: 96 Resp: 2347
 Ion Ratio Lower Upper
 96 100
 61 164.7 131.3 196.9
 98 71.7 51.8 77.6





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

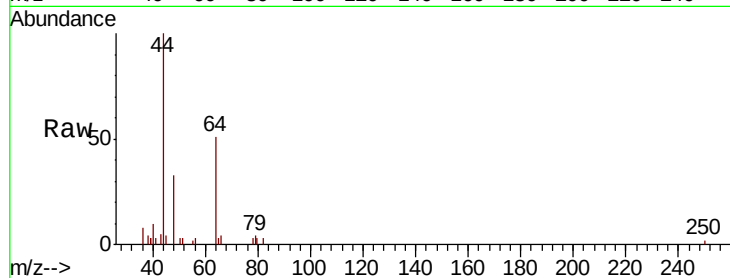
MW-103D

Tot Ion: 56 Resp: 51

Ion Ratio Lower Upper

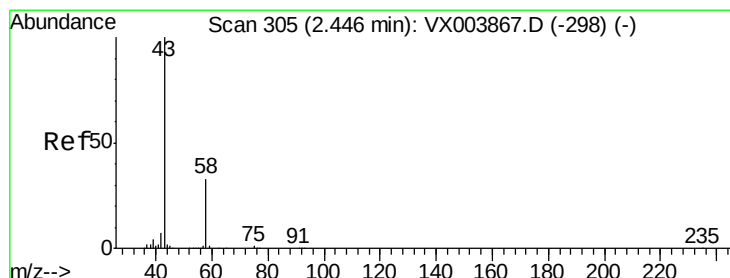
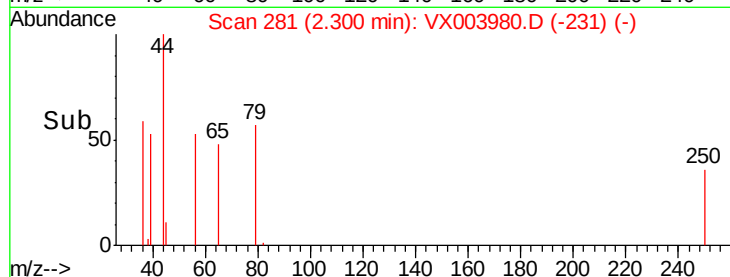
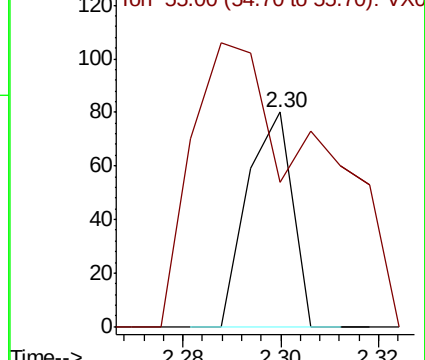
56 100

55 370.6 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.10 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003980.D

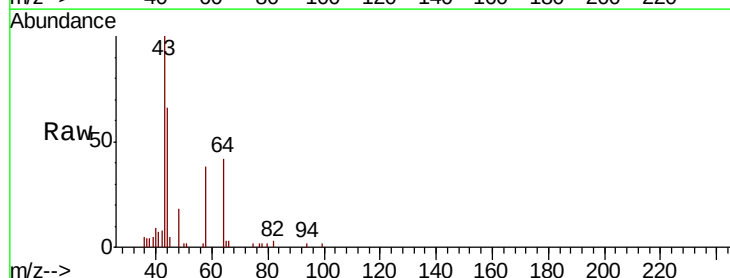
Acq: 10 Aug 2018 16:43

Tgt Ion: 43 Resp: 4986

Ion Ratio Lower Upper

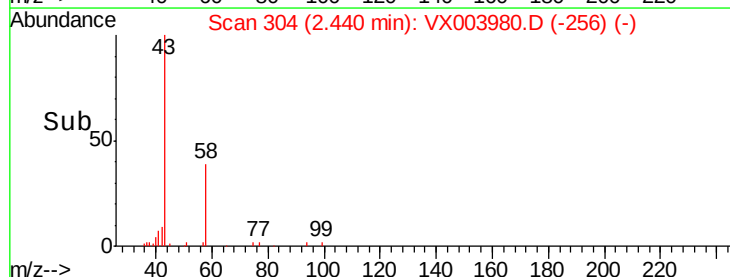
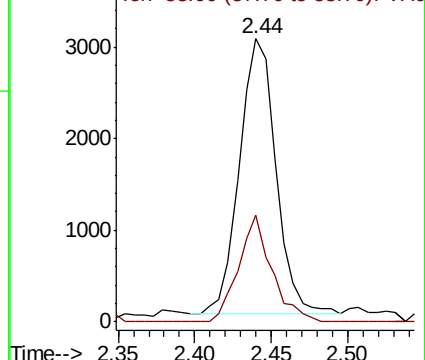
43 100

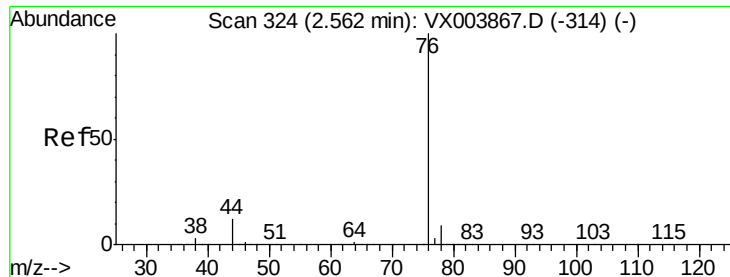
58 38.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.53 ua/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampled :

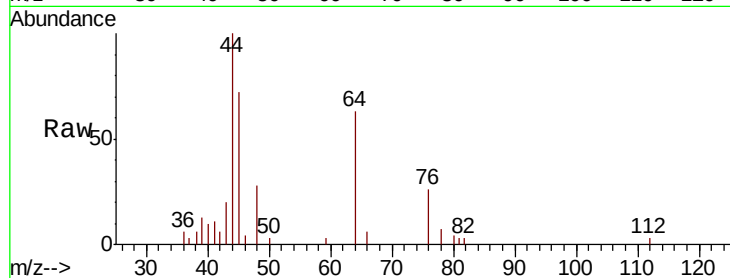
MW-103D

Tot Ion: 76 Resp: 872

Ion Ratio Lower Upper

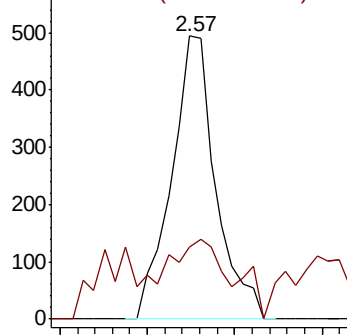
76 100

78 12.8 7.5 11.3#

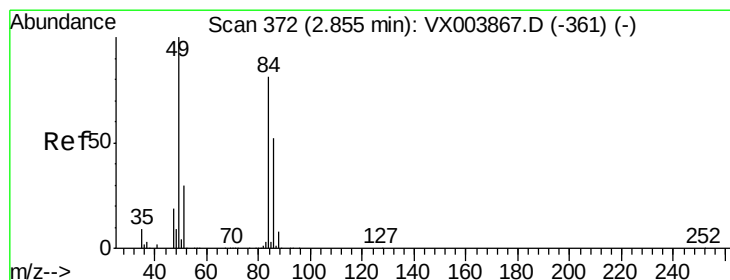
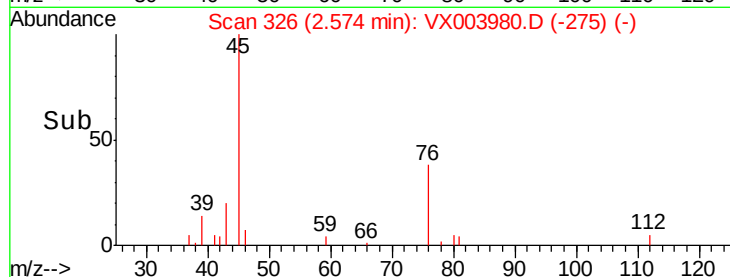


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Tgt Ion: 84 Resp: 781

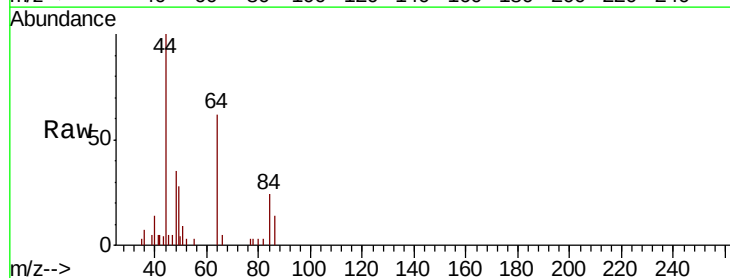
Ion Ratio Lower Upper

84 100

49 116.0 98.9 148.3

51 38.2 29.9 44.9

86 58.8 51.0 76.6

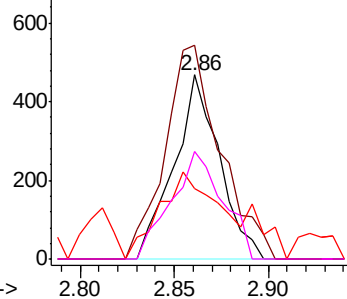


Abundance Ion 83.90 (83.60 to 84.60): VX0

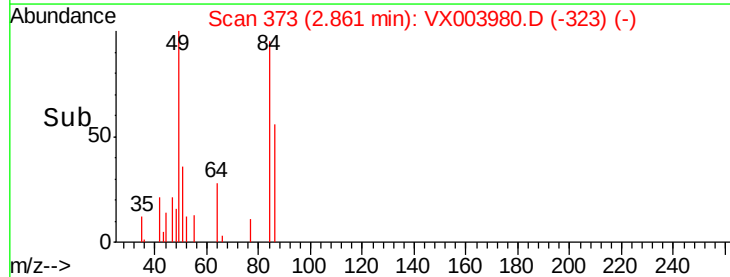
Ion 48.90 (48.60 to 49.60): VX0

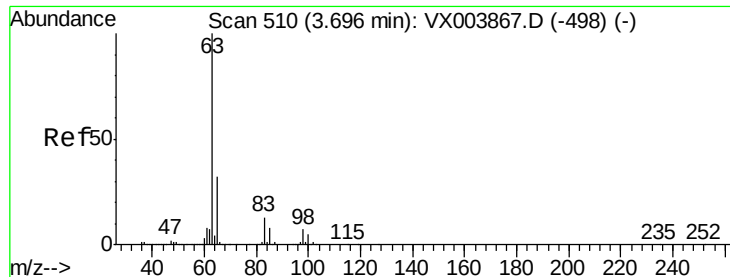
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#24

1,1-Dichloroethane

Concen: 1.19 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

MW-103D

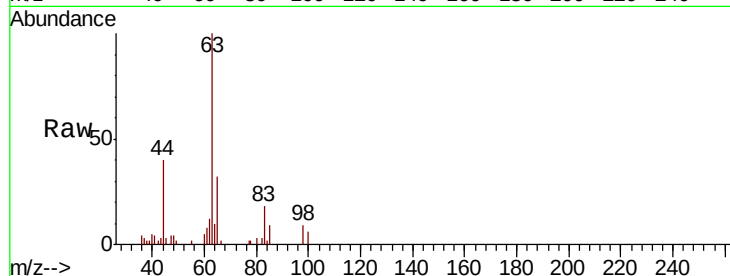
Tot Ion: 63 Resp: 8089

Ion Ratio Lower Upper

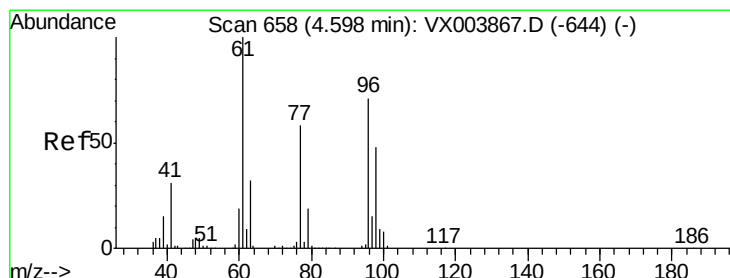
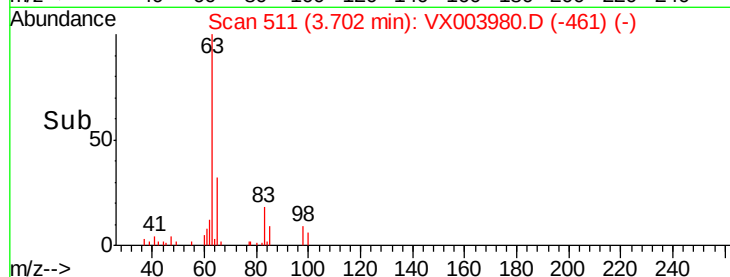
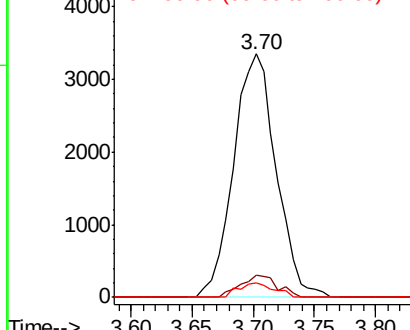
63 100

98 9.3 3.5 10.5

100 5.8 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: 1.18 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

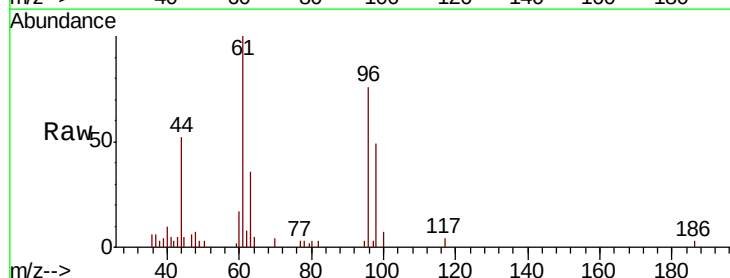
Tgt Ion: 96 Resp: 4674

Ion Ratio Lower Upper

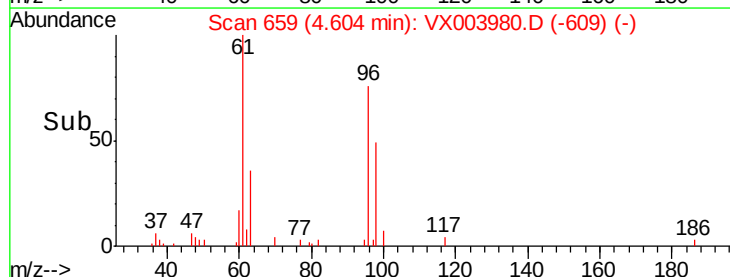
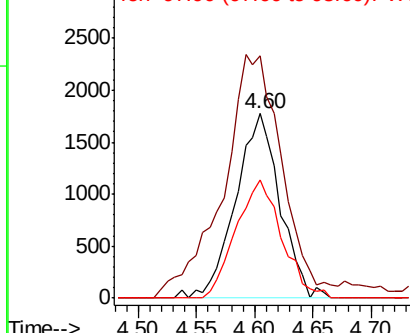
96 100

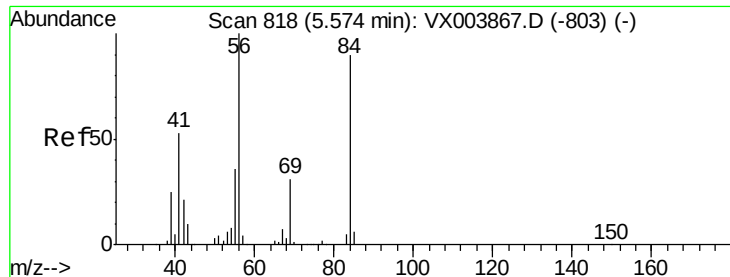
61 177.3 0.0 293.0

98 66.9 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





#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

MW-103D

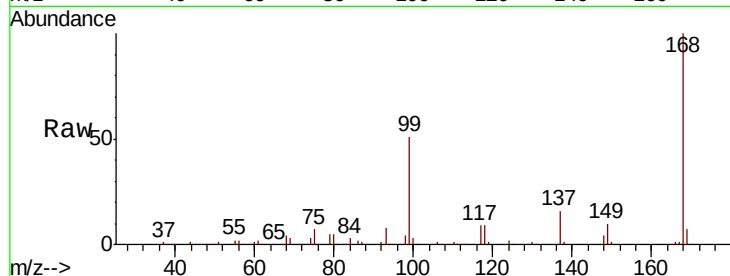
Tot Ion: 56 Resp: 5463

Ion Ratio Lower Upper

56 100

69 172.5 24.9 37.3#

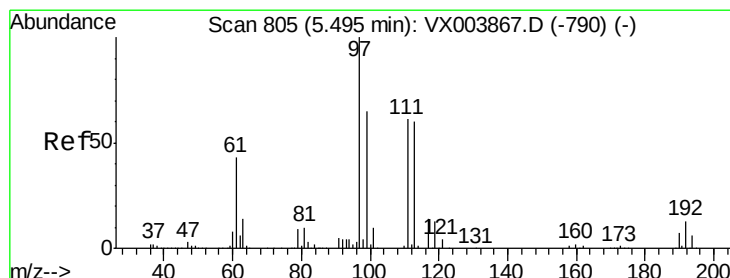
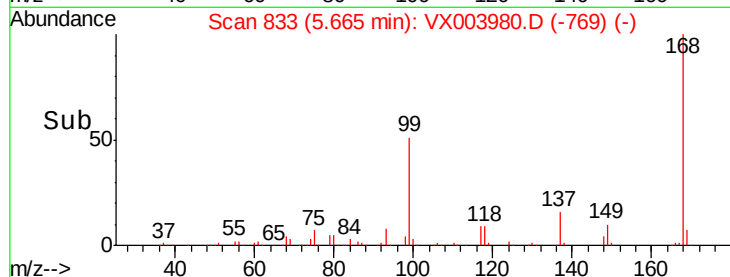
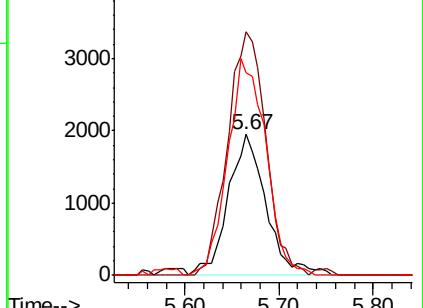
84 143.2 71.7 107.5#



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



#32

1,1,1-Trichloroethane

Concen: 0.28 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.02 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

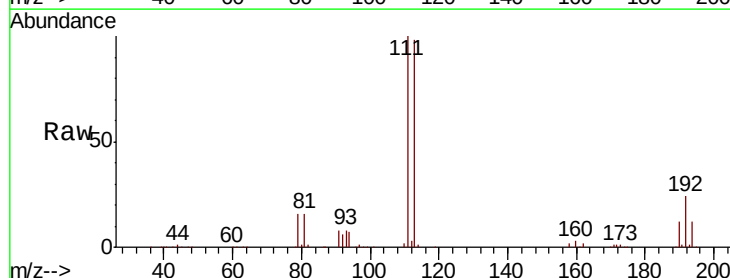
Tgt Ion: 97 Resp: 1476

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.8#

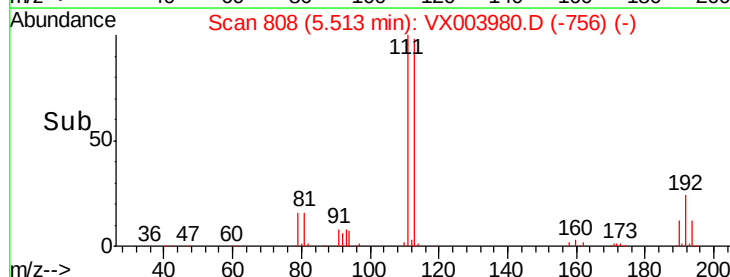
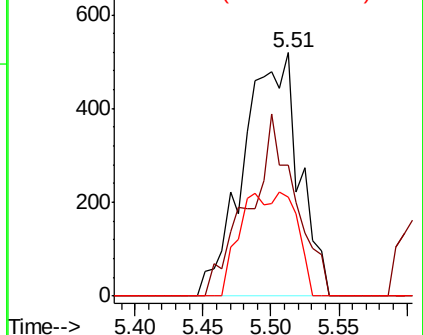
61 0.0 34.4 51.6#

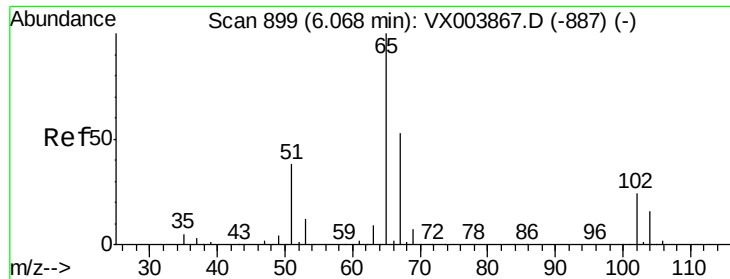


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

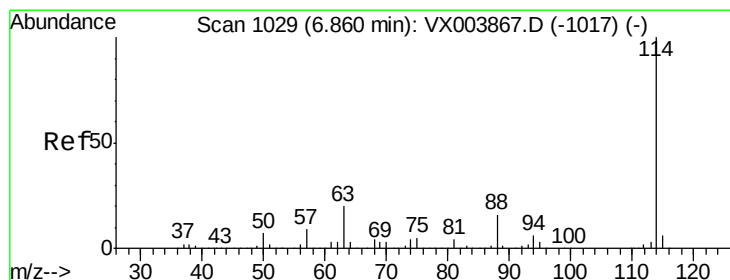
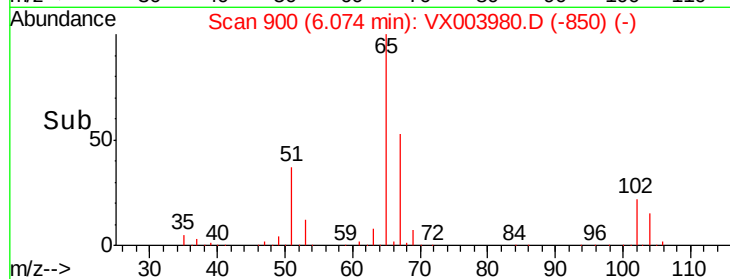
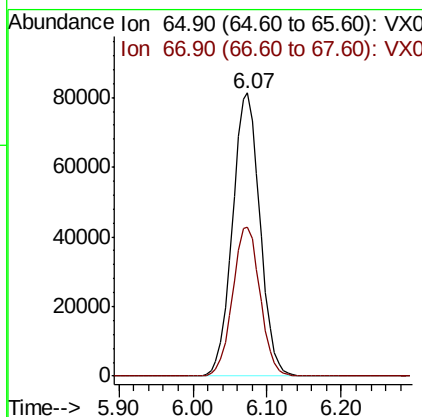
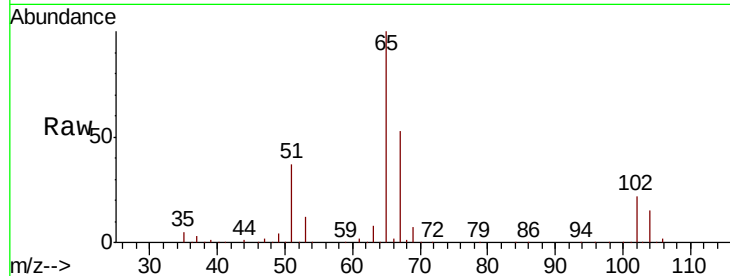




#33
 1,2-Dichloroethane-d4
 Concen: 52.77 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

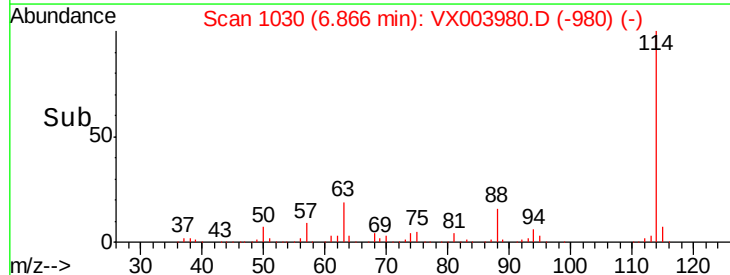
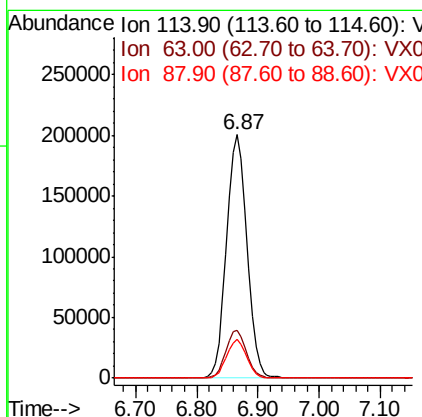
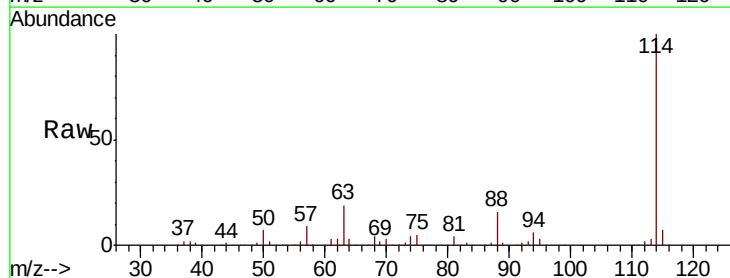
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103D

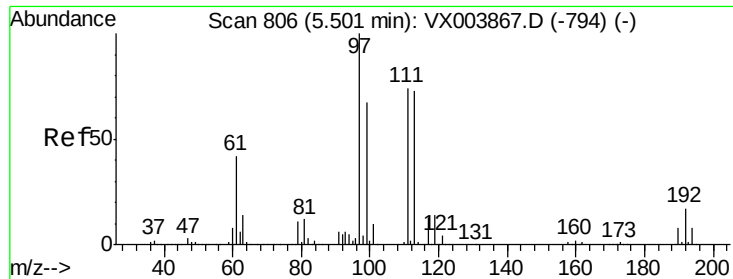
Tot Ion: 65 Resp: 210358
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

Tgt Ion: 114 Resp: 461590
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.8 0.0 32.0

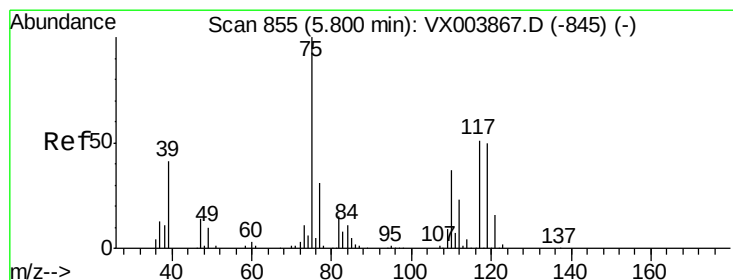
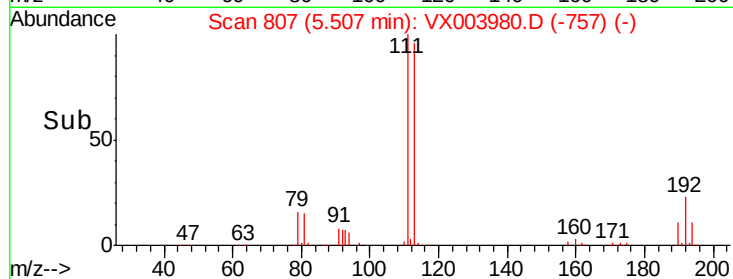
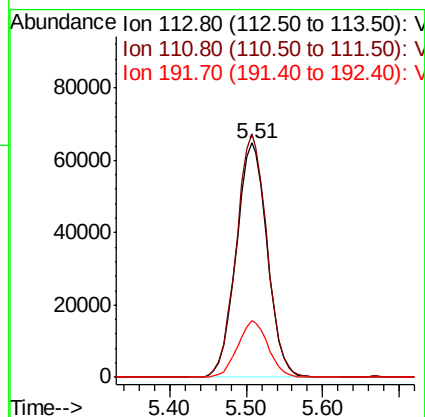
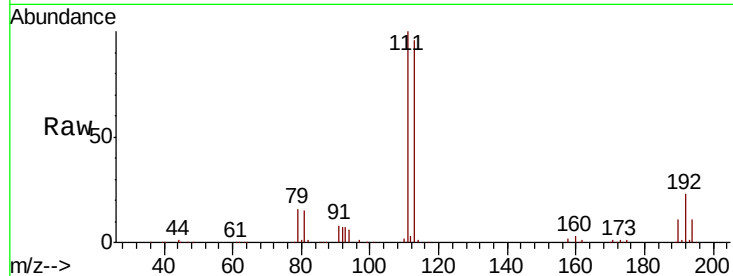




#35
 Dibromofluoromethane
 Concen: 51.85 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

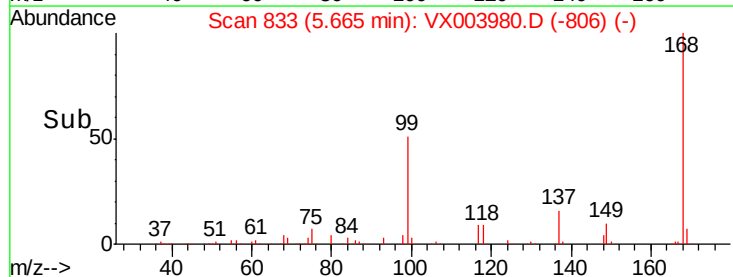
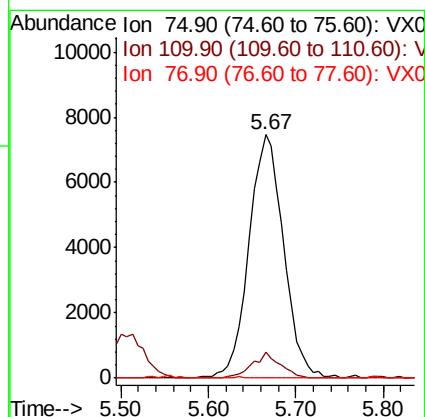
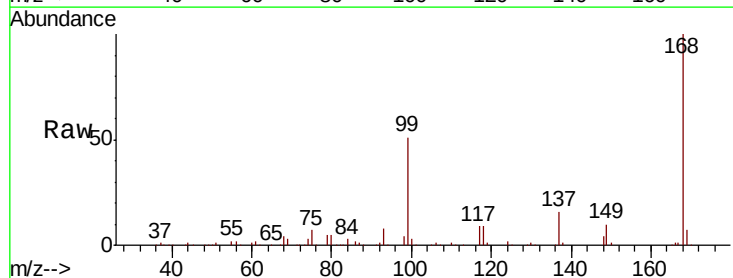
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103D

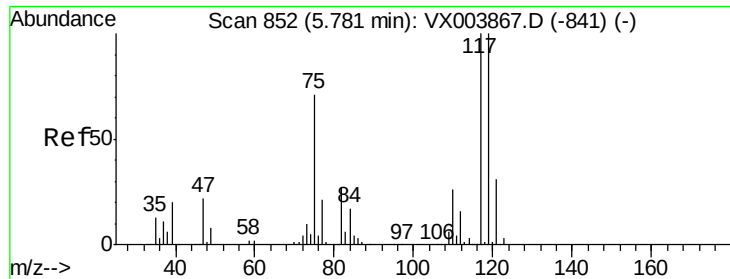
Tot Ion:113 Resp: 181316
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 23.6 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.98 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

Tgt Ion: 75 Resp: 20552
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.2 54.6#
 77 0.0 25.0 37.4#

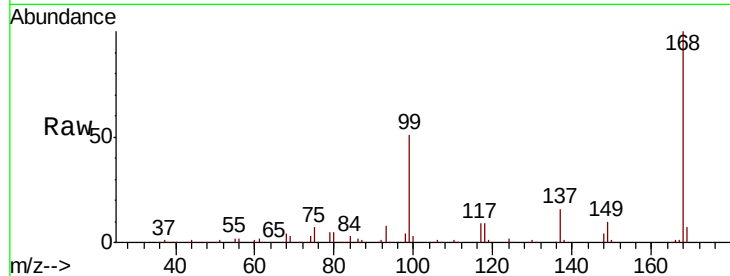




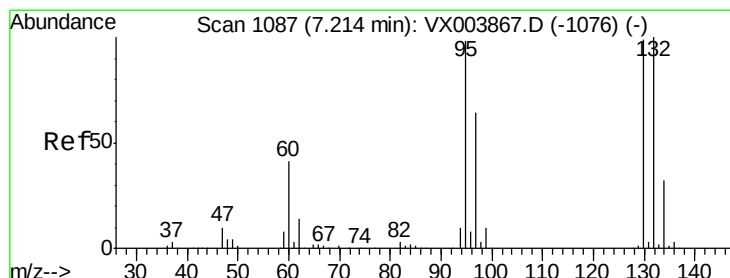
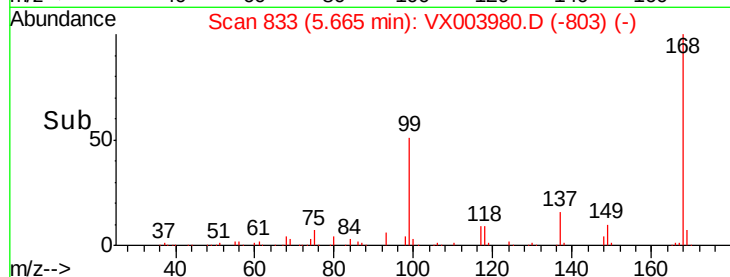
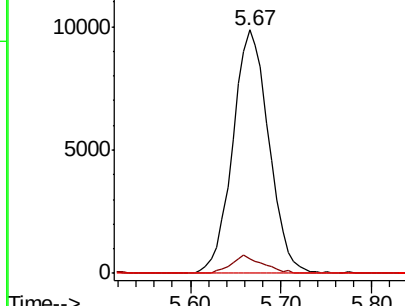
#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampled :
MW-103D

Tot Ion:117 Resp: 27282
Ion Ratio Lower Upper
117 100
119 5.9 79.5 119.3#
121 0.0 25.0 37.4#

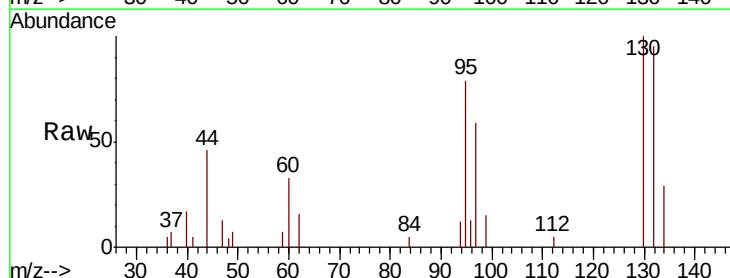


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

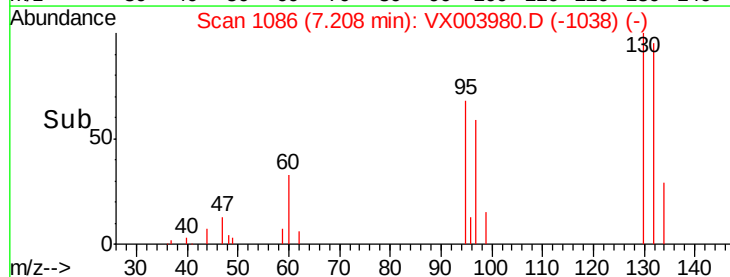
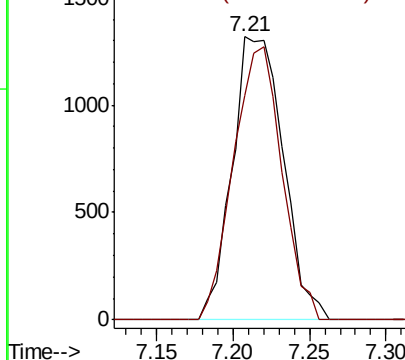


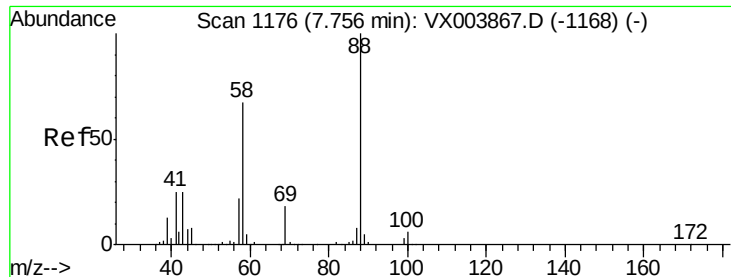
#44
Trichloroethene
Concen: 0.72 ug/l
RT: 7.21 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Tgt Ion:130 Resp: 3054
Ion Ratio Lower Upper
130 100
95 79.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

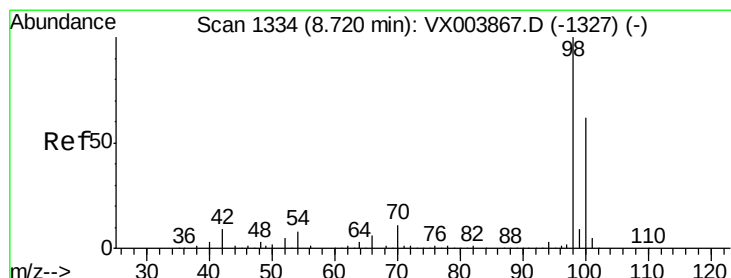
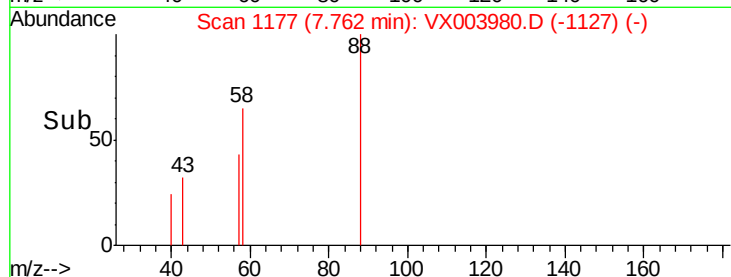
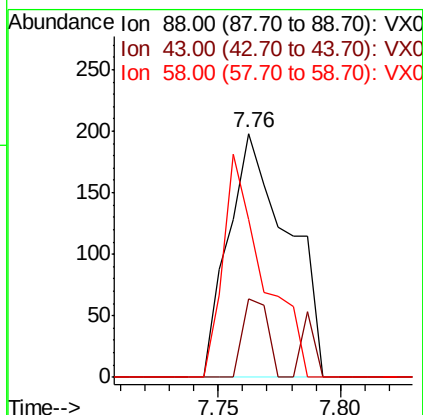
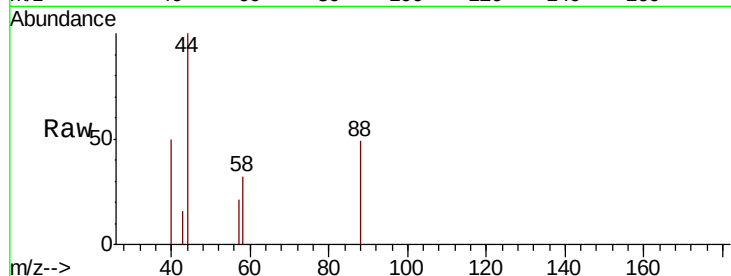




#49
 1,4-Dioxane
 Concen: 3.29 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

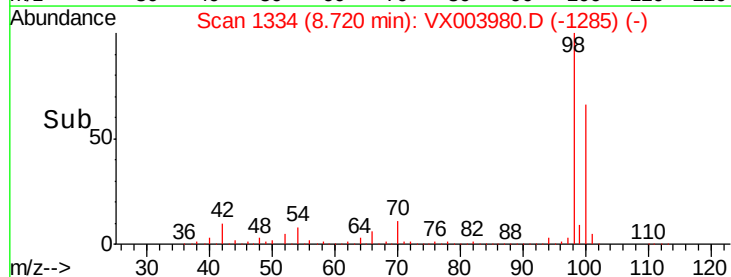
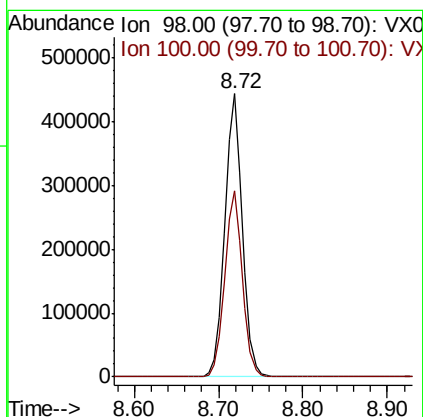
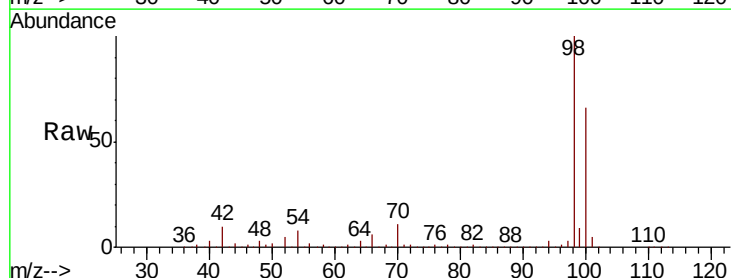
Instrument :
 MSVOA_X
 ClientSampled :
 MW-103D

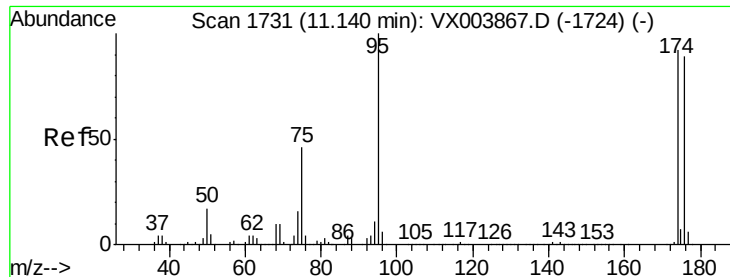
Tot Ion: 88 Resp: 337
 Ion Ratio Lower Upper
 88 100
 43 13.4 23.8 35.8#
 58 61.7 55.4 83.0



#50
 Toluene-d8
 Concen: 46.91 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003980.D
 Acq: 10 Aug 2018 16:43

Tgt Ion: 98 Resp: 637899
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.3 79.9

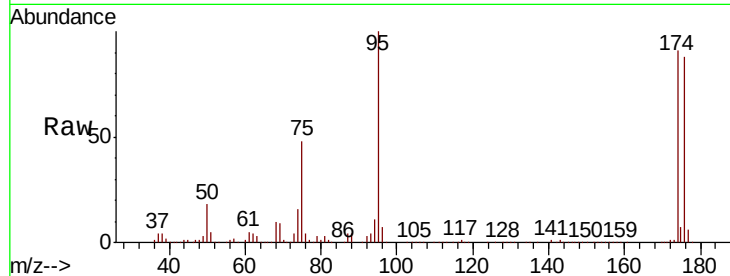




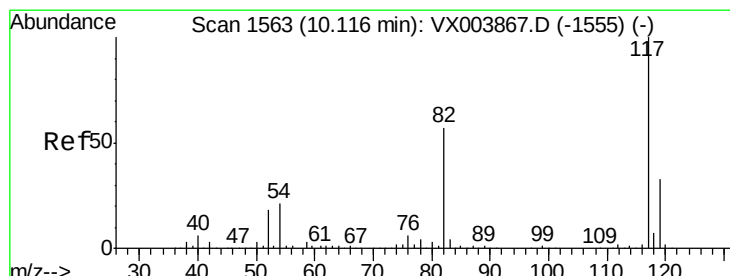
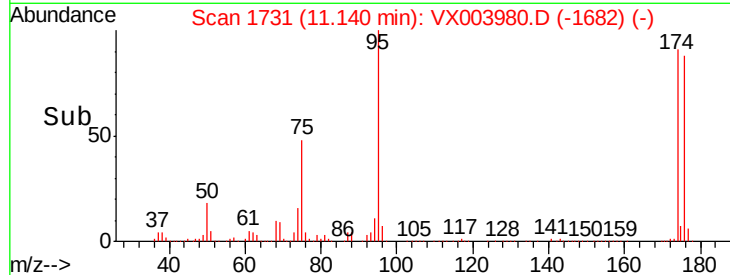
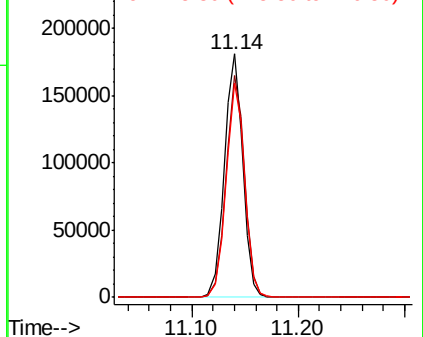
#62
4-Bromofluorobenzene
Concen: 49.80 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
MW-103D

Tot Ion: 95 Resp: 219125
Ion Ratio Lower Upper
95 100
174 92.1 0.0 182.8
176 88.7 0.0 179.0

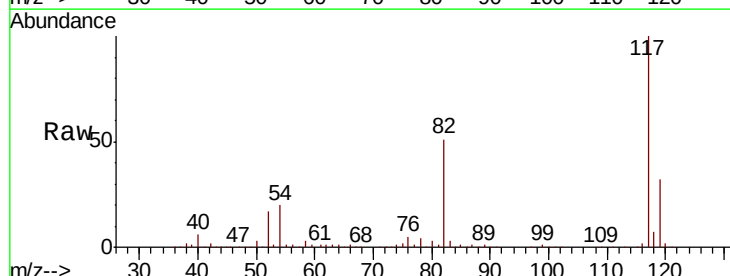


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

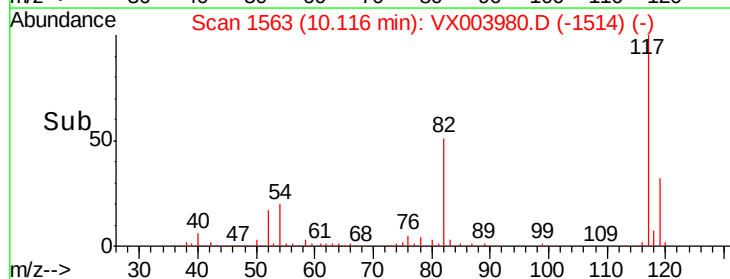
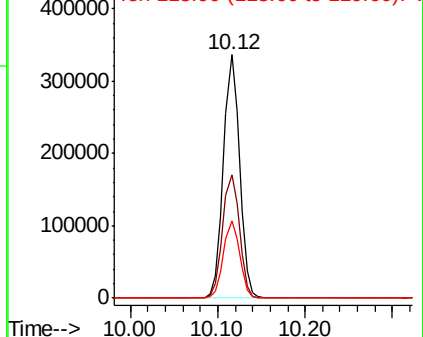


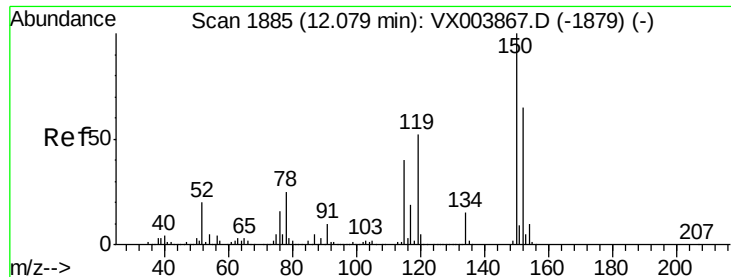
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Tgt Ion: 117 Resp: 428237
Ion Ratio Lower Upper
117 100
82 50.6 45.4 68.0
119 31.7 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: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

MW-103D

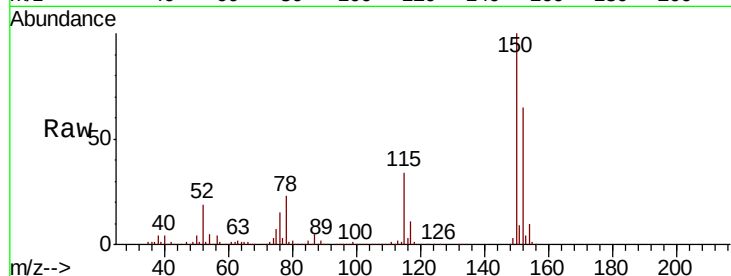
Tot Ion:152 Resp: 226563

Ion Ratio Lower Upper

152 100

115 55.0 39.1 117.3

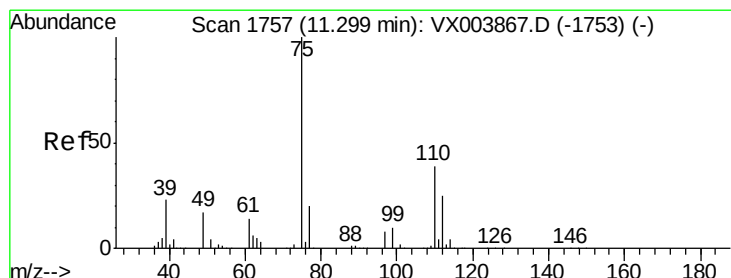
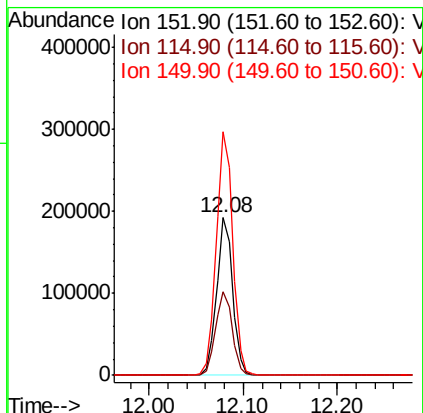
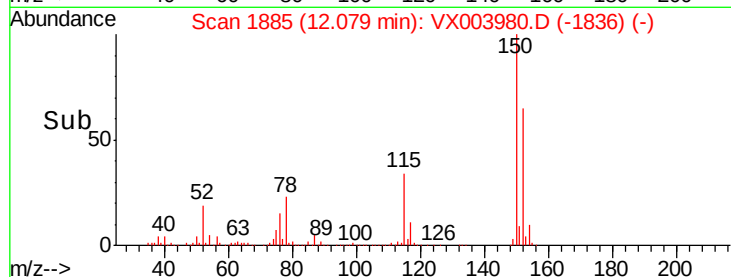
150 158.6 0.0 349.2



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: 21.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003980.D

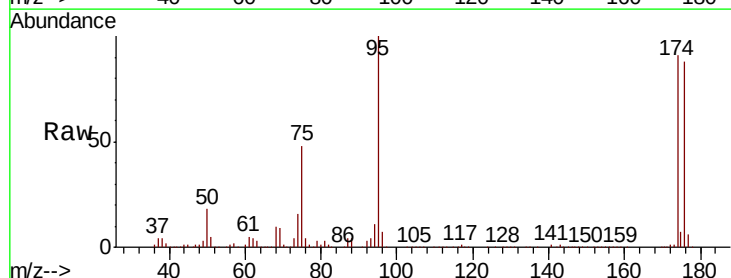
Acq: 10 Aug 2018 16:43

Tgt Ion: 75 Resp: 106169

Ion Ratio Lower Upper

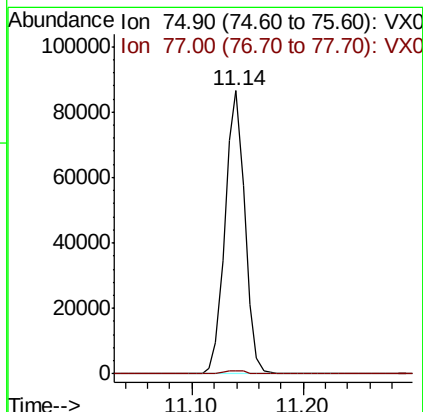
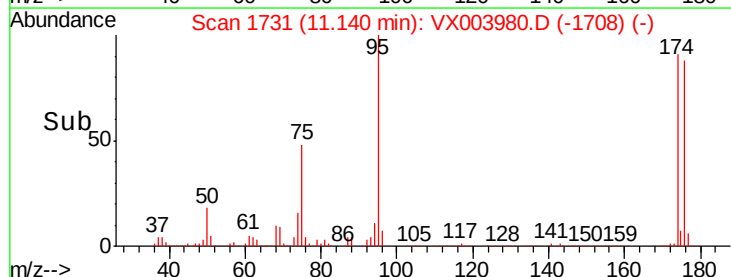
75 100

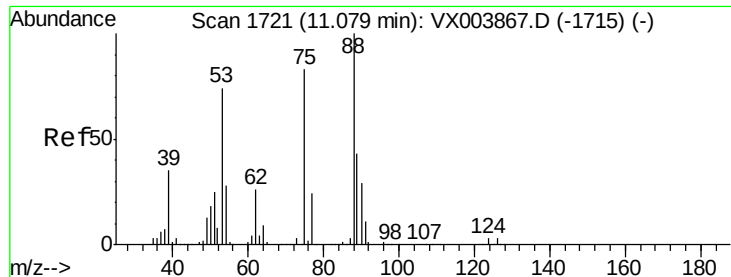
77 1.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

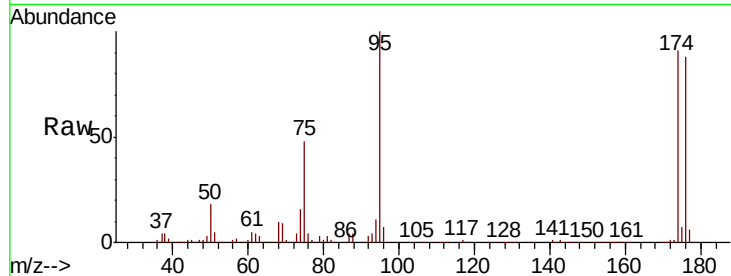




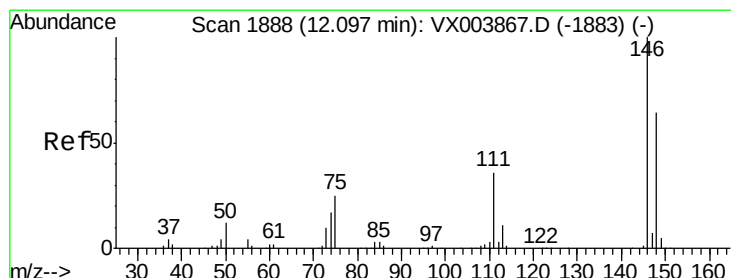
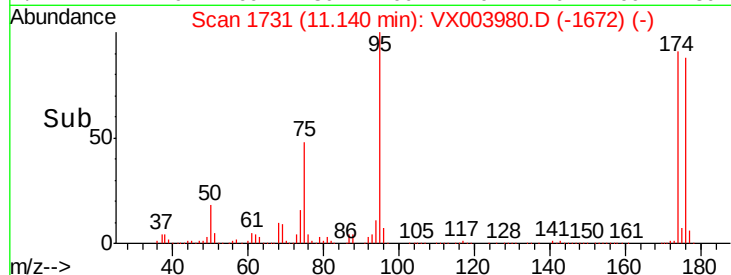
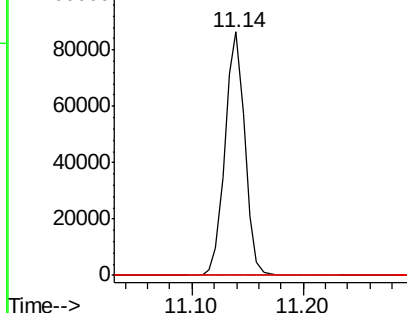
#81
trans-1,4-Dichloro-2-butene
Concen: 57.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
MW-103D

Tot Ion: 75 Resp: 106169
Ion Ratio Lower Upper
75 100
53 0.2 80.3 120.5#
89 0.0 37.8 56.8#

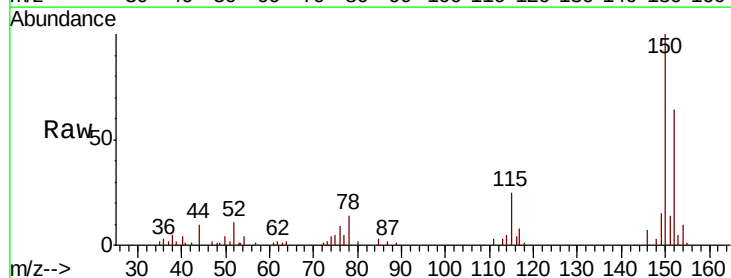


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

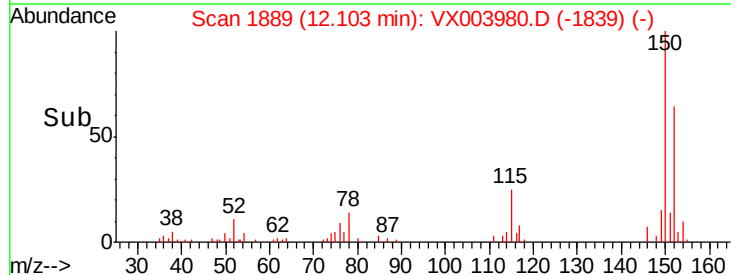
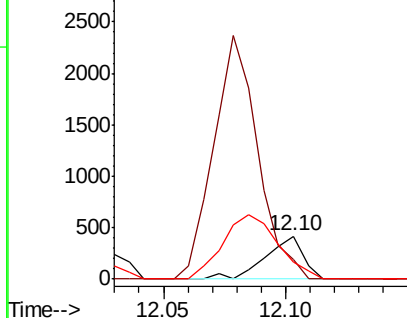


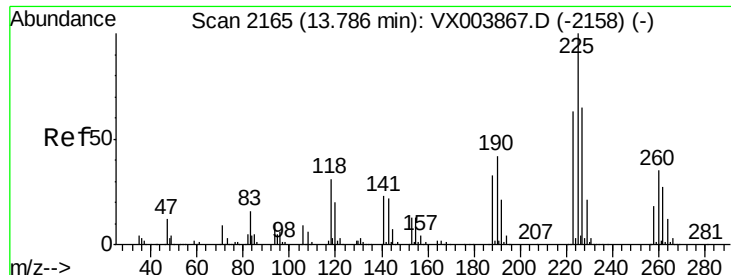
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.10 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VX003980.D
Acq: 10 Aug 2018 16:43

Tgt Ion: 146 Resp: 440
Ion Ratio Lower Upper
146 100
111 0.0 18.4 55.0#
148 0.0 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: 0.48 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX003980.D

Acq: 10 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

MW-103D

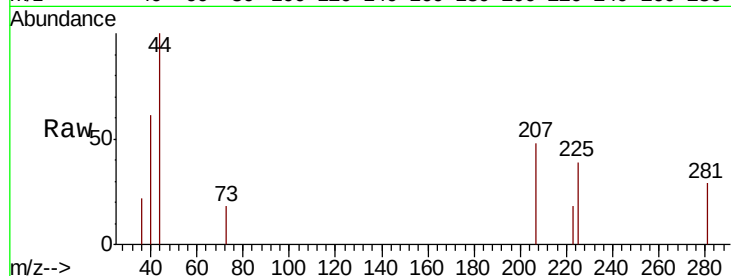
Tot Ion:225 Resp: 121

Ion Ratio Lower Upper

225 100

223 57.0 31.4 94.0

227 18.2 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

