

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061119\
 Data File : VX010231.D
 Acq On : 11 Jun 2019 14:42
 Operator : JC/SP
 Sample : K3279-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203I-20190607

Quant Time: Jun 12 07:48:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109772	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	5.50	113	112936	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	432658	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.13	95	147727	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

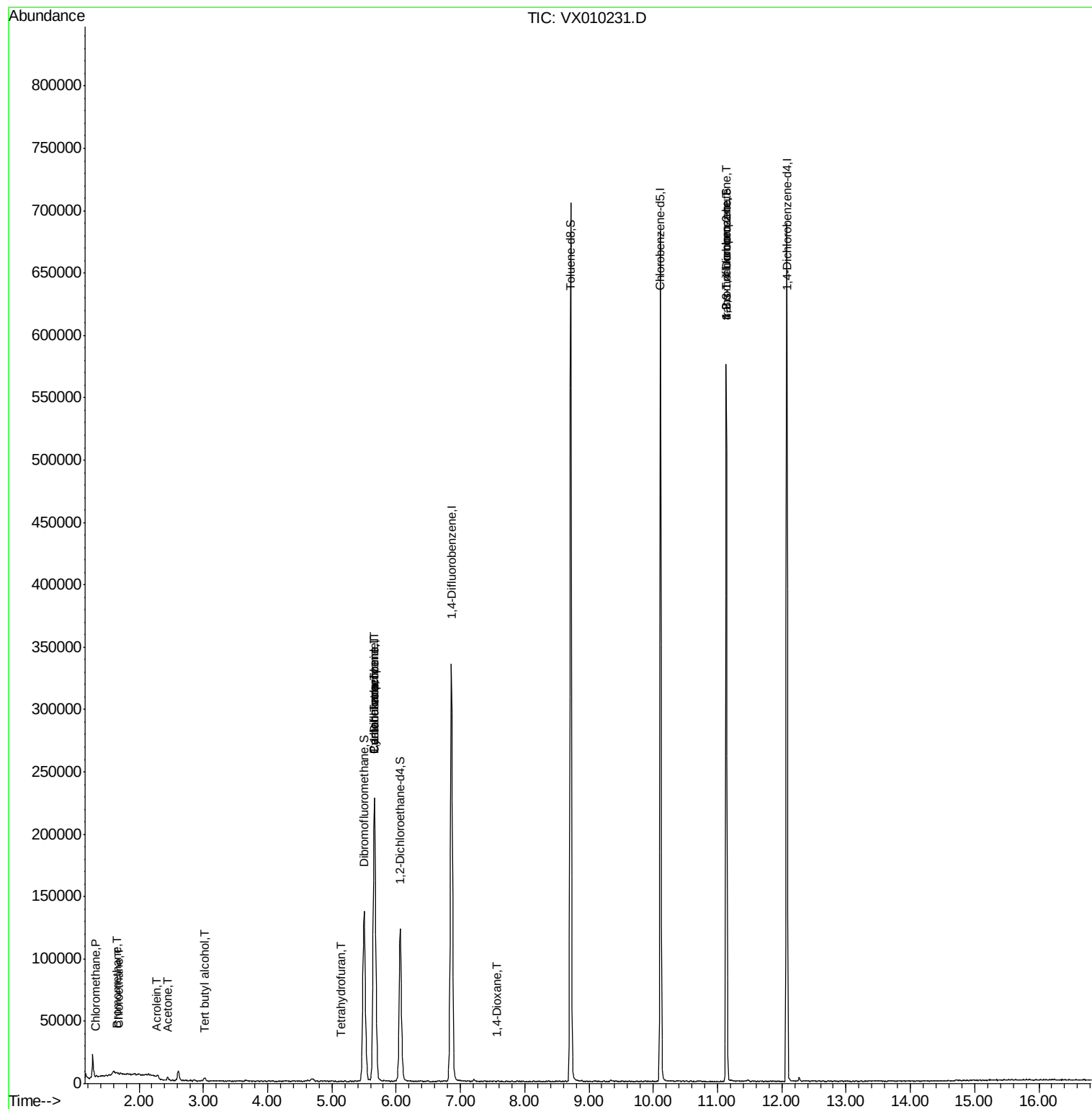
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	801	0.355	ug/l	89
5) Bromomethane	1.65	94	369	0.461	ug/l #	42
6) Chloroethane	1.68	64	289	0.270	ug/l #	50
11) Tert butyl alcohol	3.02	59	1607	2.723	ug/l #	88
13) Acrolein	2.27	56	90	0.836	ug/l #	66
16) Acetone	2.45	43	2773	2.448	ug/l	96
29) Tetrahydrofuran	5.13	42	237	0.224	ug/l #	47
31) Cyclohexane	5.66	56	3872	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14555	4.808	ug/l #	52
38) Carbon Tetrachloride	5.66	117	20842	6.083	ug/l #	16
49) 1,4-Dioxane	7.57	88	25	0.356	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67731	21.554	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67731	47.623	ug/l #	10

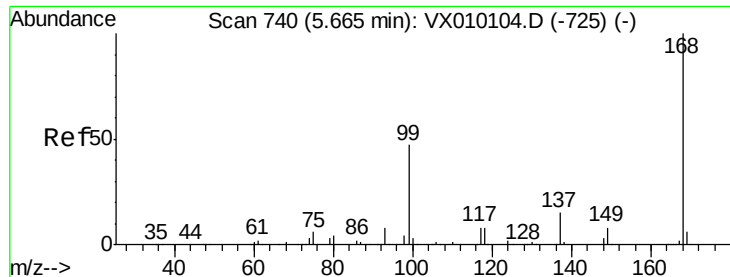
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

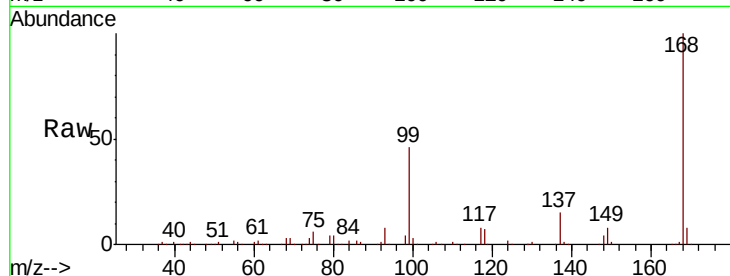
BP-TT-MW203I-20190607

Tot Ion:168 Resp: 246765

Ion Ratio Lower Upper

168 100

99 45.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

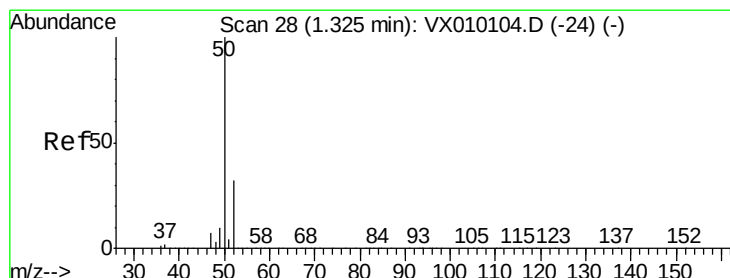
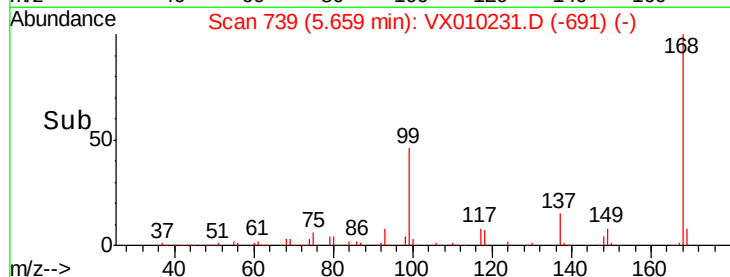
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.355 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010231.D

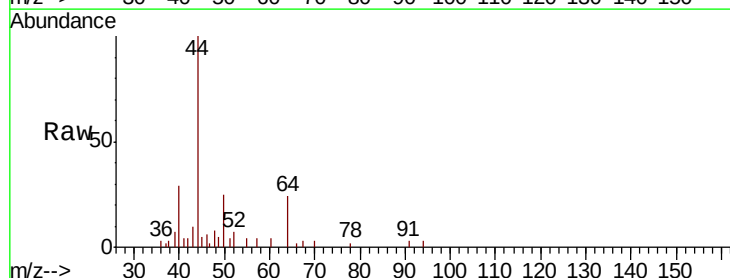
Acq: 11 Jun 2019 14:42

Tgt Ion: 50 Resp: 801

Ion Ratio Lower Upper

50 100

52 26.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

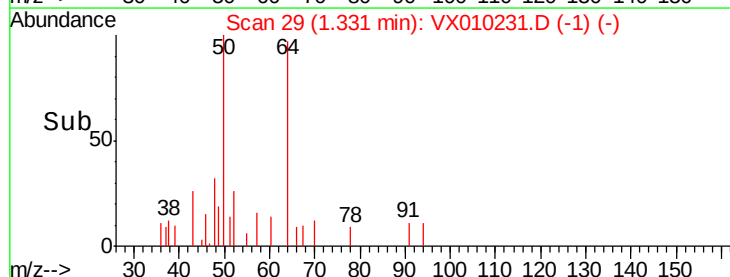
600

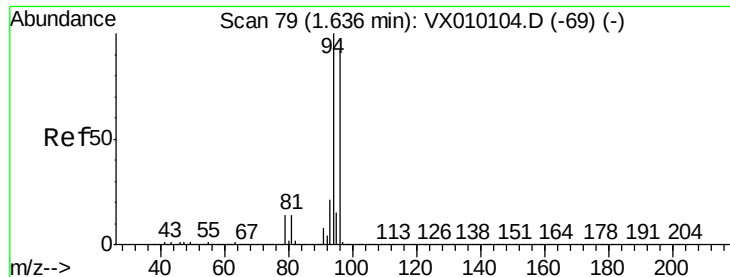
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.461 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

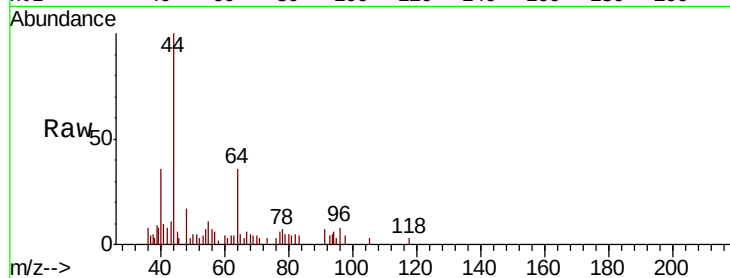
BP-TT-MW203I-20190607

Tot Ion: 94 Resp: 369

Ion Ratio Lower Upper

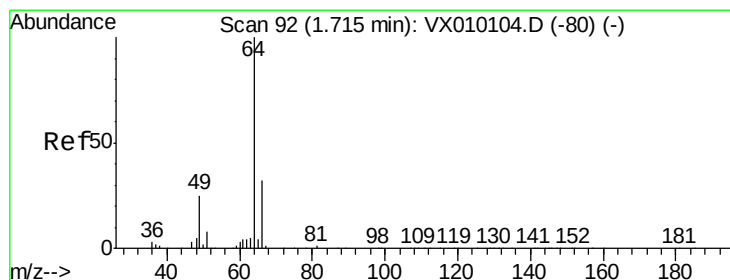
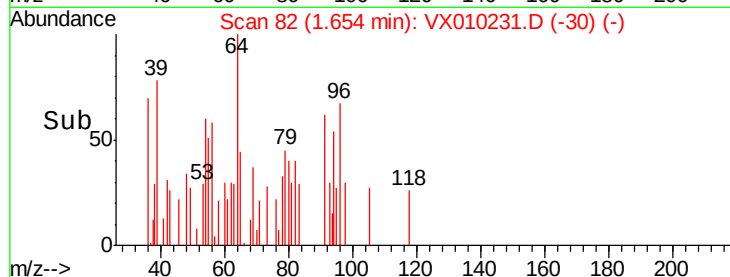
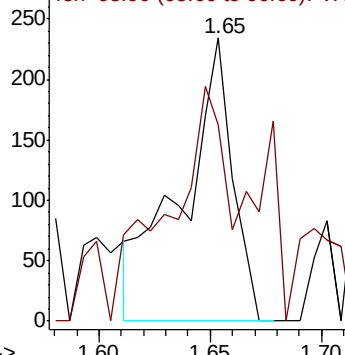
94 100

96 38.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.270 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX010231.D

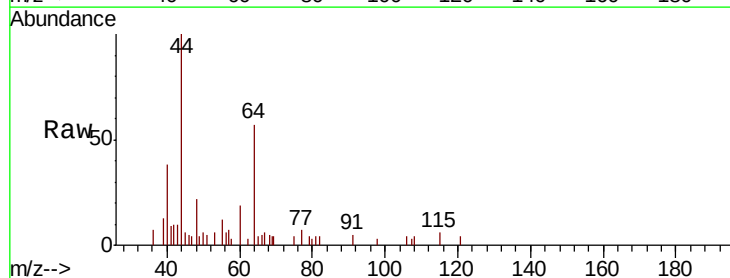
Acq: 11 Jun 2019 14:42

Tgt Ion: 64 Resp: 289

Ion Ratio Lower Upper

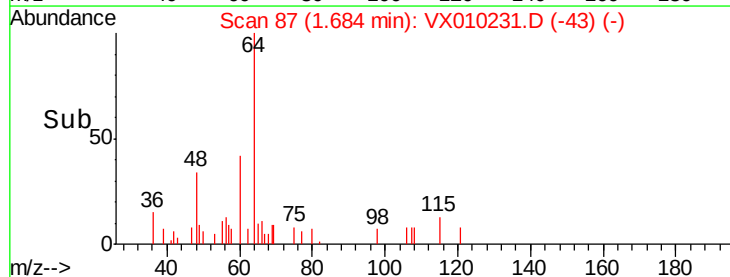
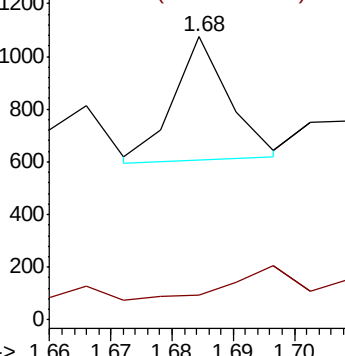
64 100

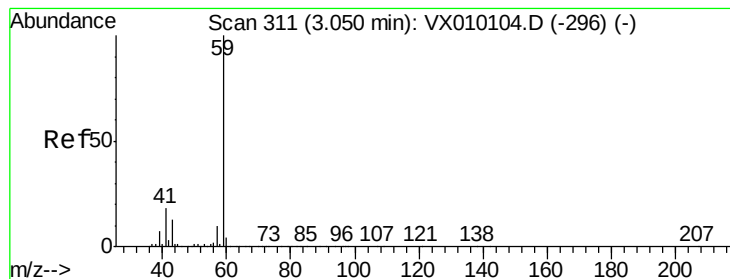
66 4.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



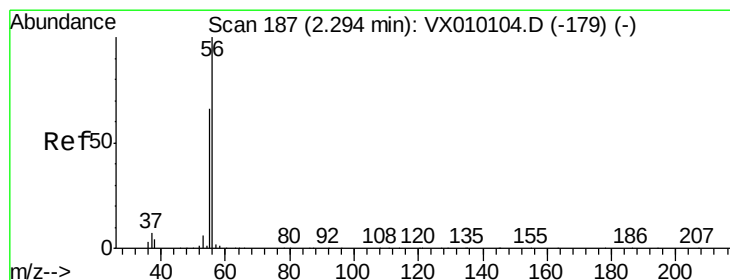
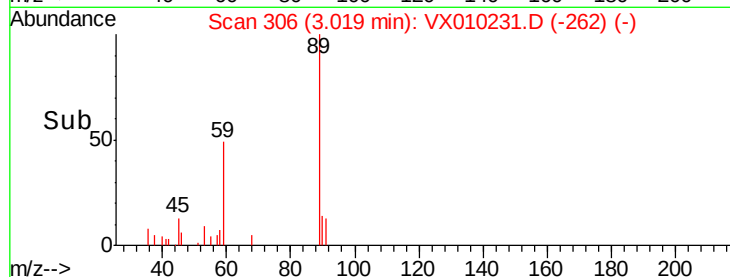
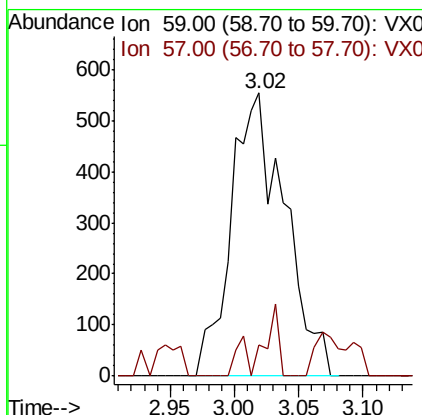
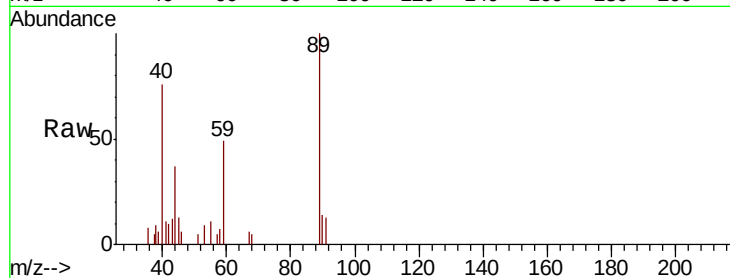


#11

Tert butyl alcohol
 Concen: 2.723 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010231.D
 Acq: 11 Jun 2019 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203I-20190607

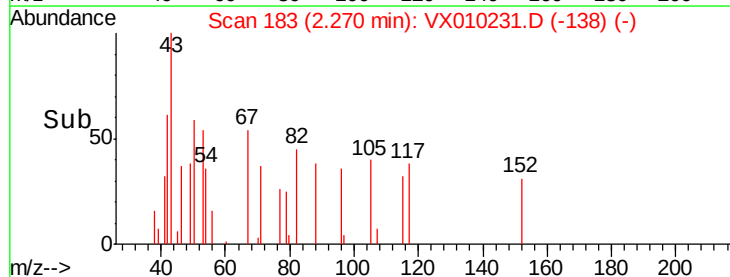
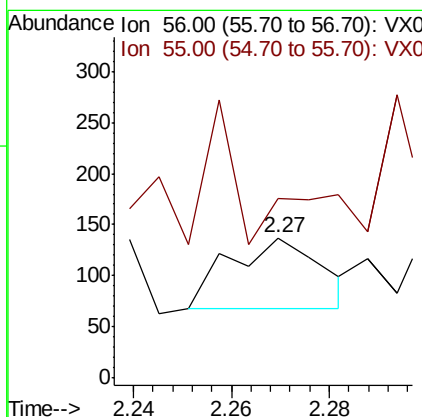
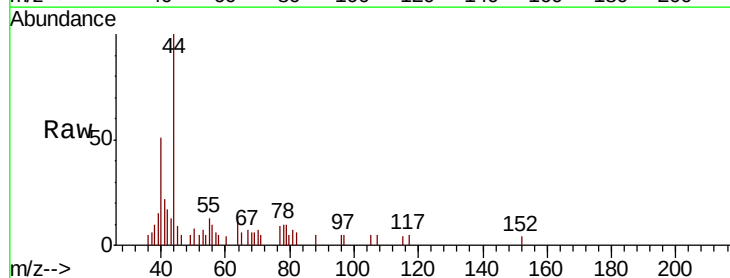
Tot Ion: 59 Resp: 1607
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.2 12.2#

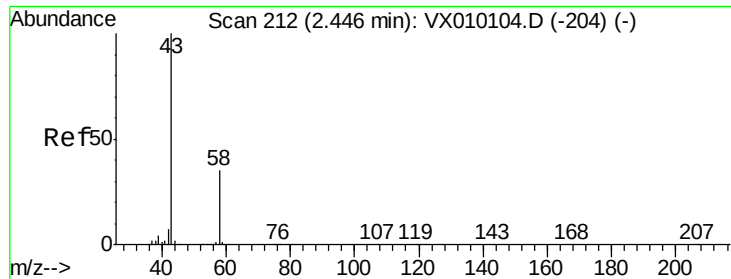


#13

Acrolein
 Concen: 0.836 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX010231.D
 Acq: 11 Jun 2019 14:42

Tgt Ion: 56 Resp: 90
 Ion Ratio Lower Upper
 56 100
 55 43.3 57.0 85.4#

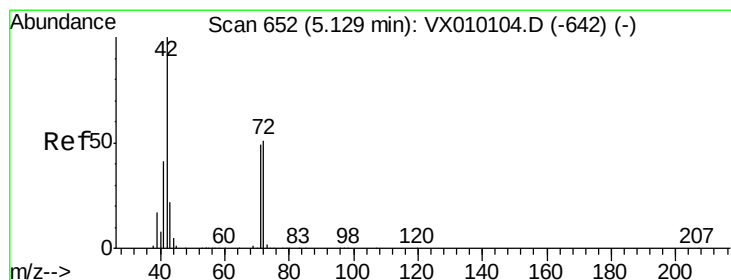
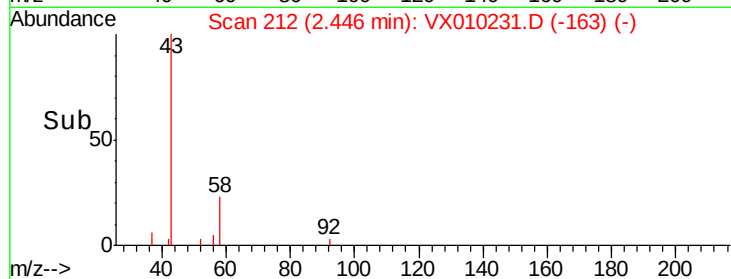
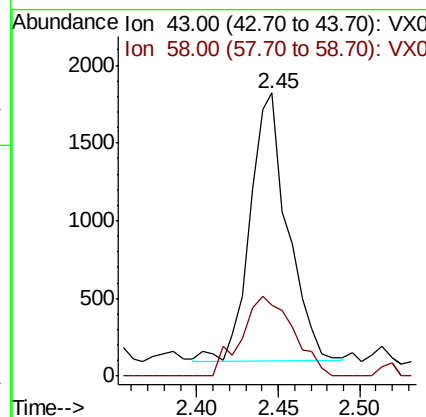
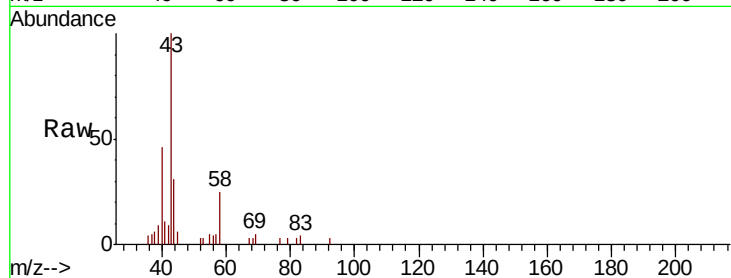




#16
Acetone
Concen: 2.448 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010231.D
Acq: 11 Jun 2019 14:42

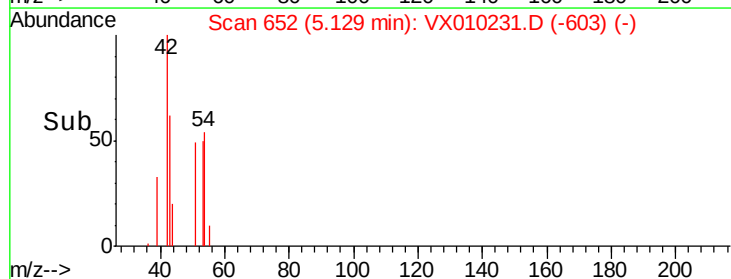
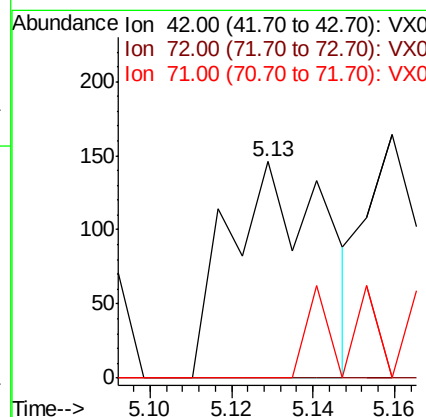
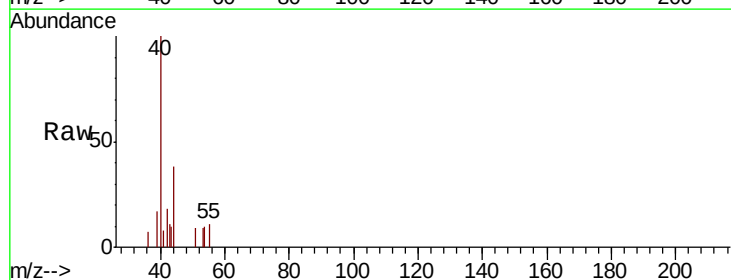
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW203I-20190607

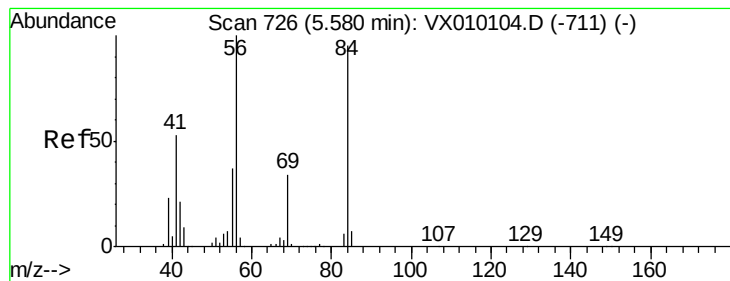
Tot Ion: 43 Resp: 2773
Ion Ratio Lower Upper
43 100
58 26.8 23.2 34.8



#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010231.D
Acq: 11 Jun 2019 14:42

Tgt Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
72 0.0 29.2 43.8#
71 9.7 27.6 41.4#





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW2031-20190607

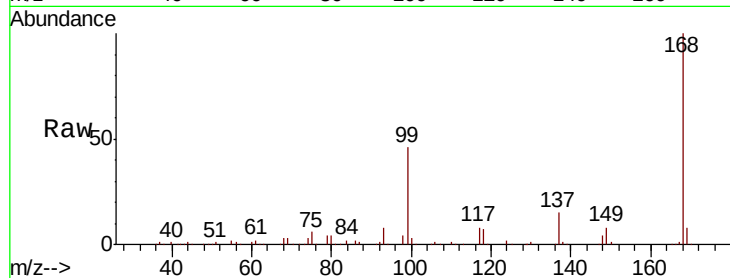
Tot Ion: 56 Resp: 3872

Ion Ratio Lower Upper

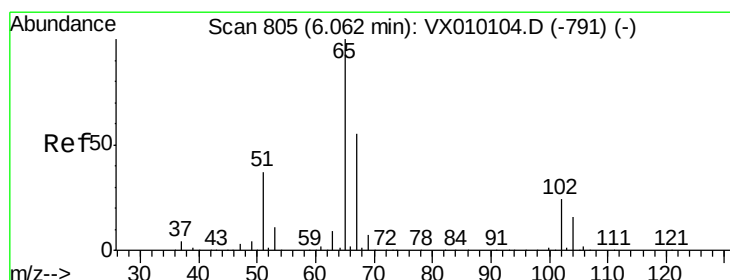
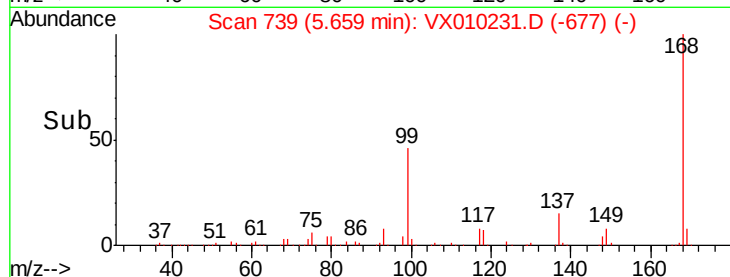
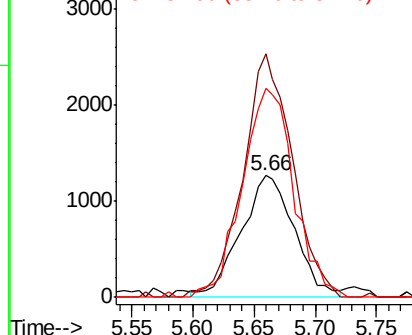
56 100

69 209.6 21.6 32.4#

84 180.2 56.8 85.2#



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: 45.573 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010231.D

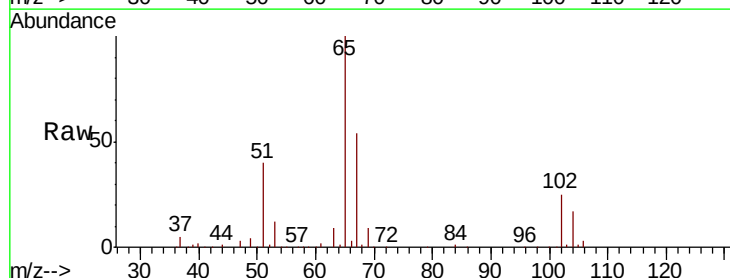
Acq: 11 Jun 2019 14:42

Tgt Ion: 65 Resp: 109772

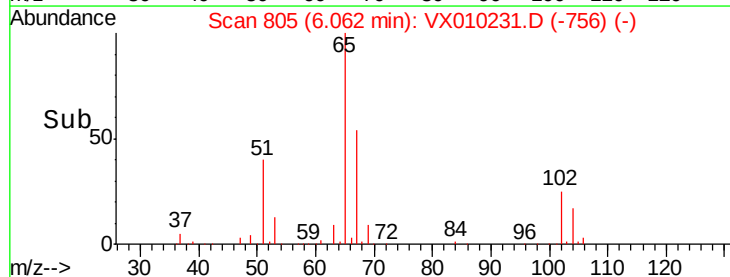
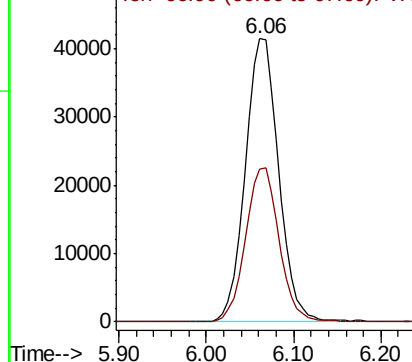
Ion Ratio Lower Upper

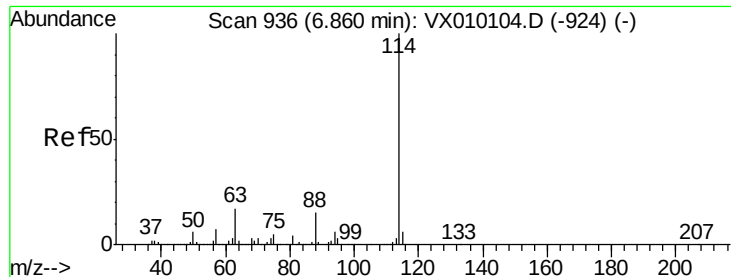
65 100

67 54.9 0.0 108.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

Instrument :

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ClientSampleId :

BP-TT-MW203I-20190607

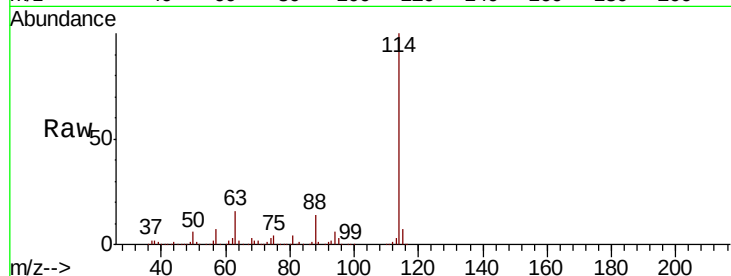
Tot Ion:114 Resp: 371038

Ion Ratio Lower Upper

114 100

63 16.4 0.0 47.4

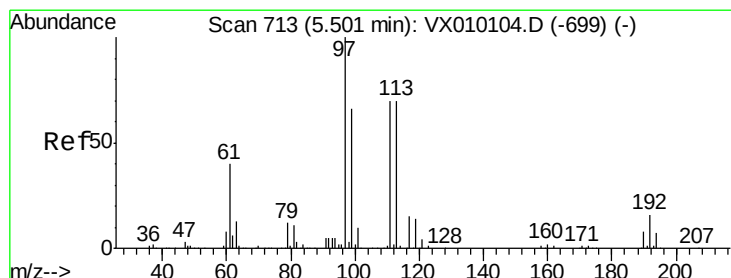
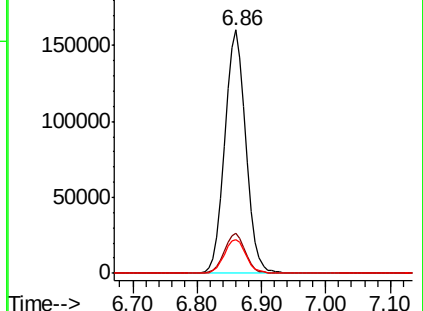
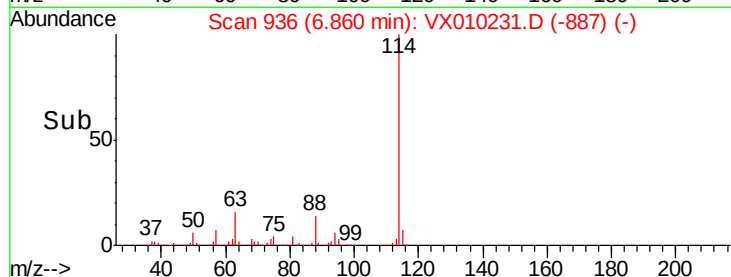
88 13.9 0.0 33.0



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: 49.346 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

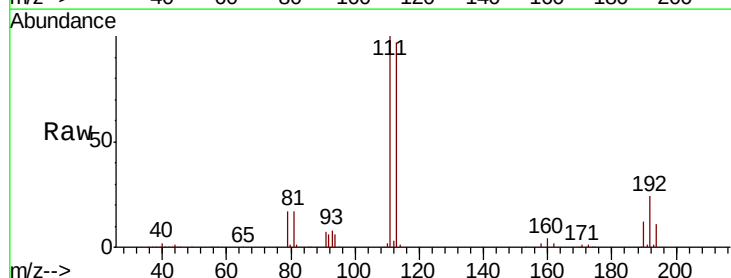
Tgt Ion:113 Resp: 112936

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

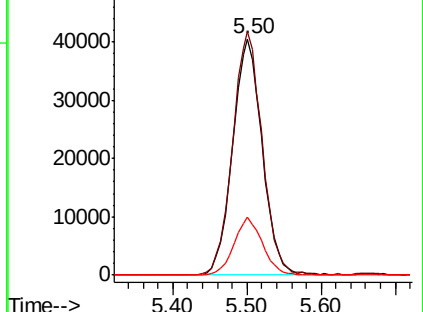
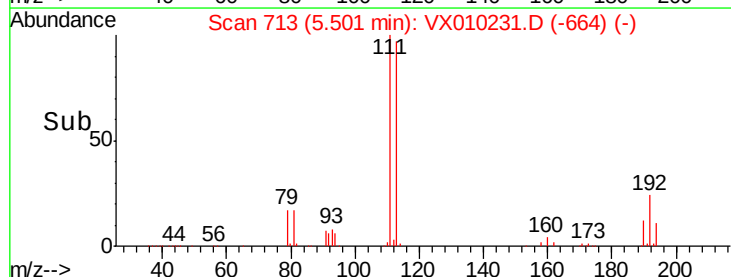
192 23.5 17.1 25.7

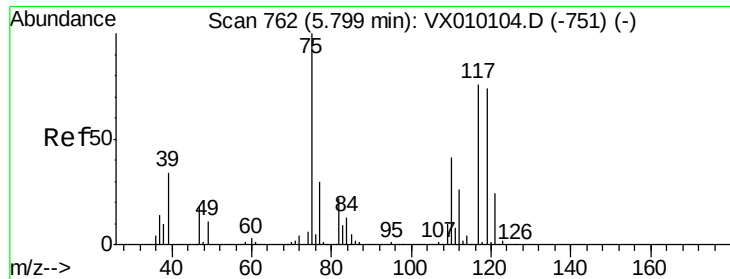


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

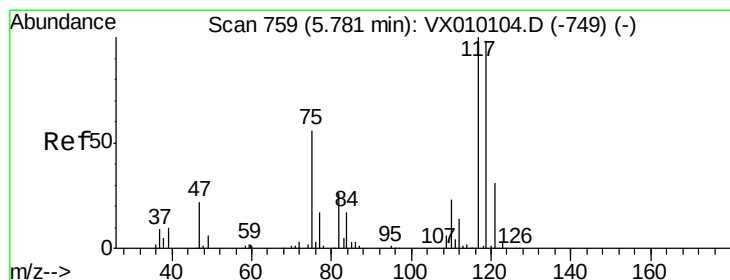
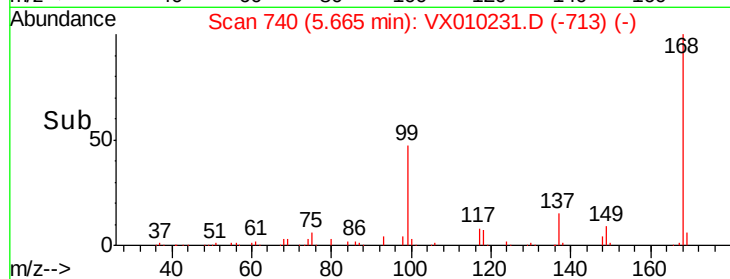
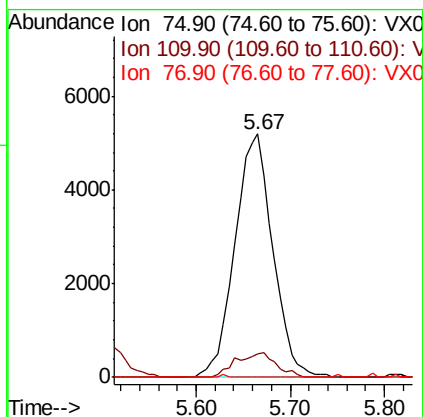
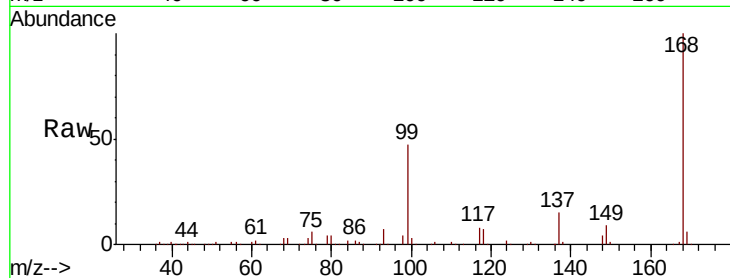




#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010231.D
 Acq: 11 Jun 2019 14:42

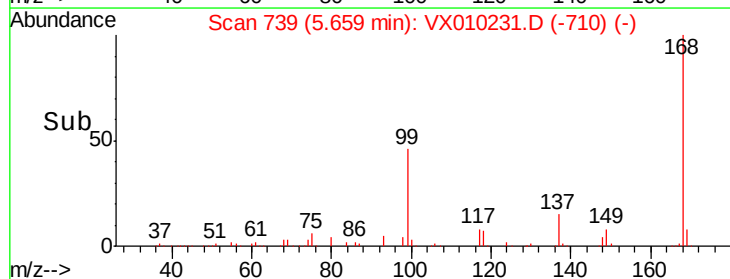
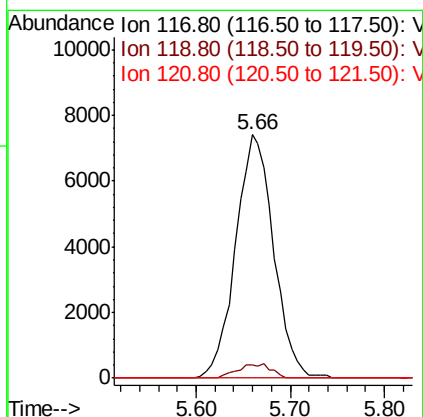
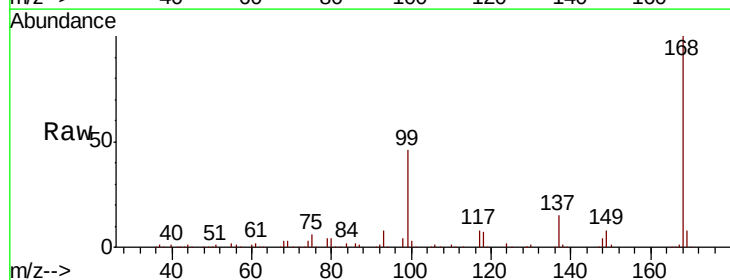
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203I-20190607

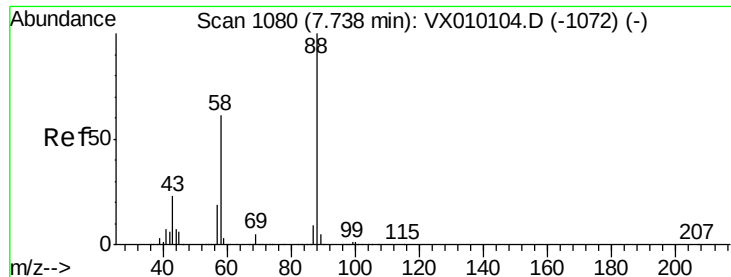
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	16.7	50.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.083 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010231.D
 Acq: 11 Jun 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.3	115.9#
121	0.0	25.4	38.0#

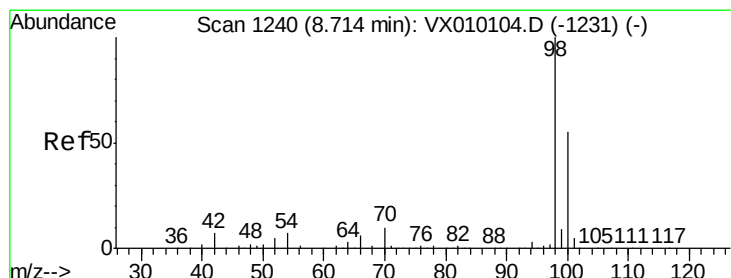
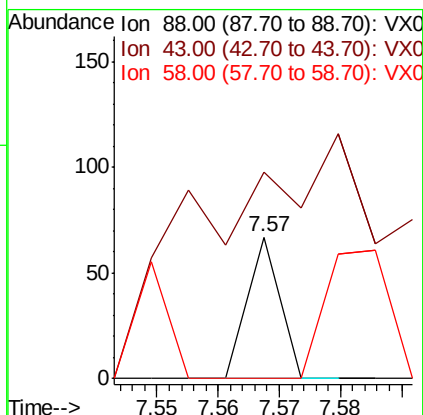
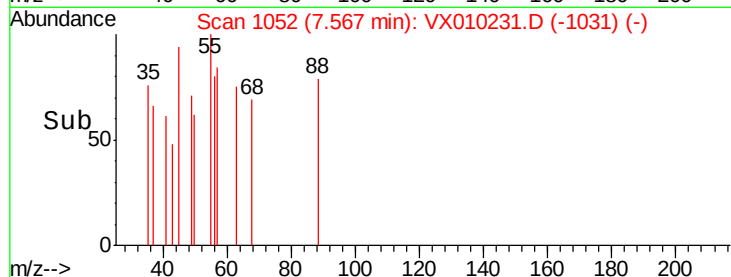
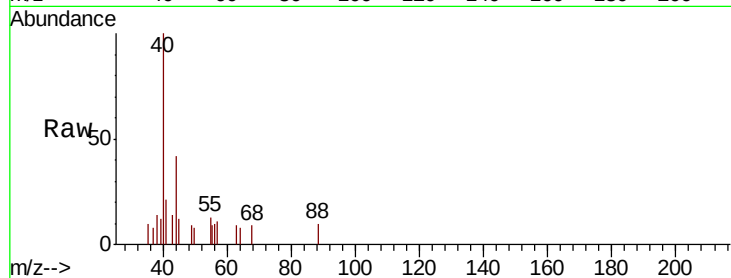




#49
1,4-Dioxane
Concen: 0.356 ug/l
RT: 7.57 min Scan# 1052
Delta R.T. -0.17 min
Lab File: VX010231.D
Acq: 11 Jun 2019 14:42

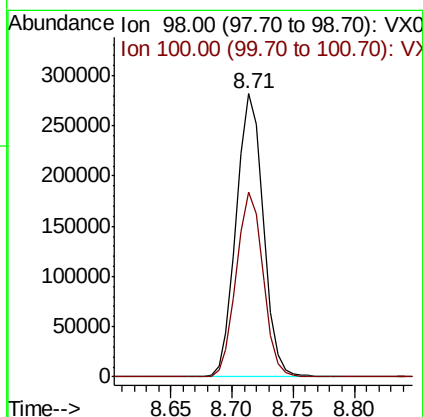
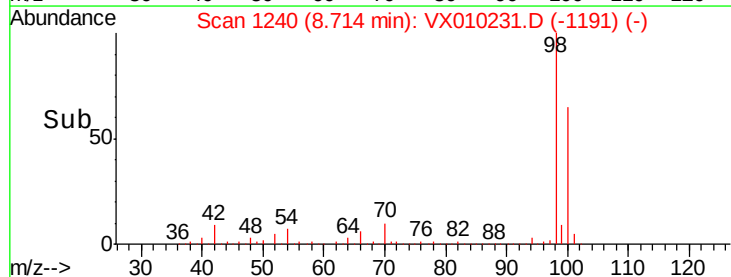
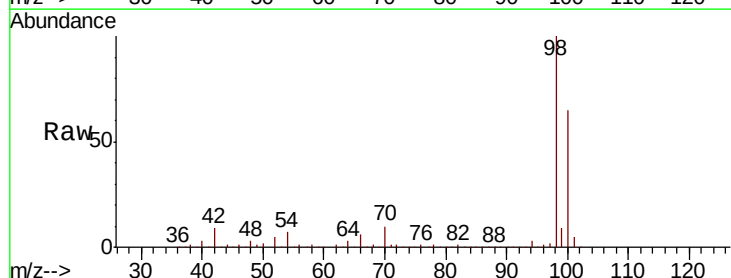
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW203I-20190607

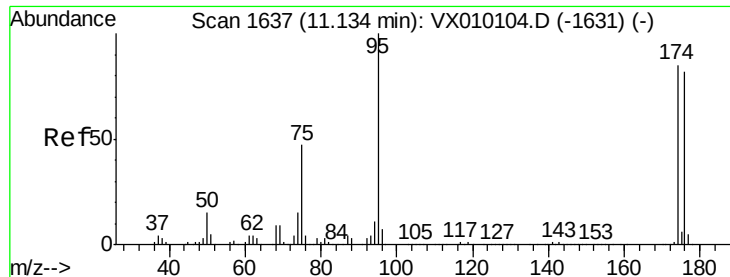
Tot Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 1172.0 30.2 45.4#
58 176.0 64.0 96.0#



#50
Toluene-d8
Concen: 50.441 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010231.D
Acq: 11 Jun 2019 14:42

Tgt Ion: 98 Resp: 432658
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 46.116 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW203I-20190607

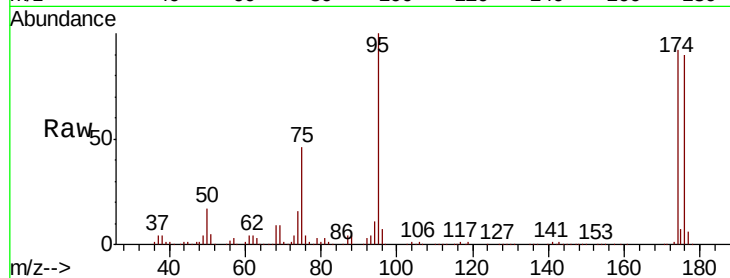
Tot Ion: 95 Resp: 147727

Ion Ratio Lower Upper

95 100

174 96.8 0.0 160.4

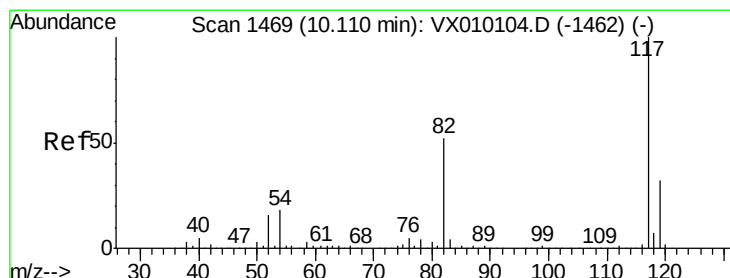
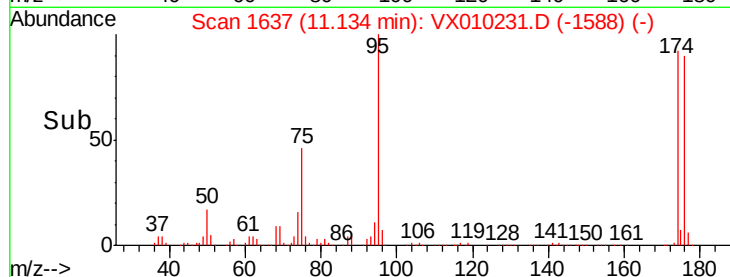
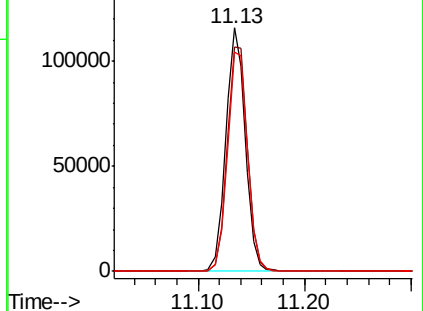
176 93.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010231.D

Acq: 11 Jun 2019 14:42

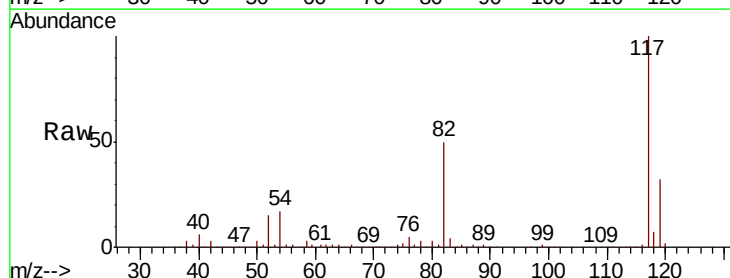
Tgt Ion: 117 Resp: 335383

Ion Ratio Lower Upper

117 100

82 50.3 49.2 73.8

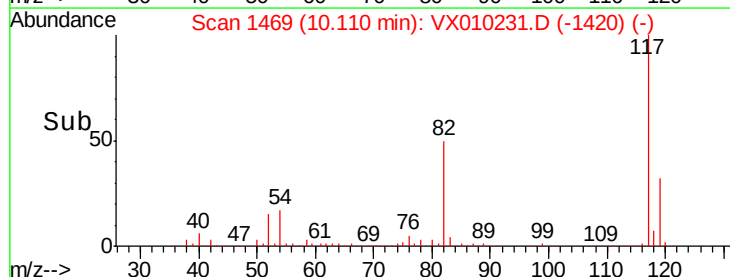
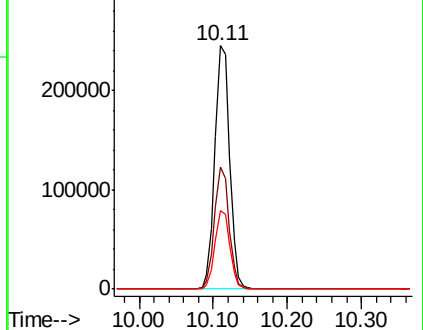
119 32.1 25.2 37.8

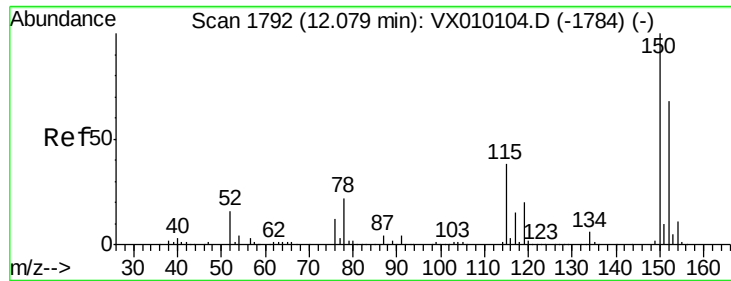


Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)



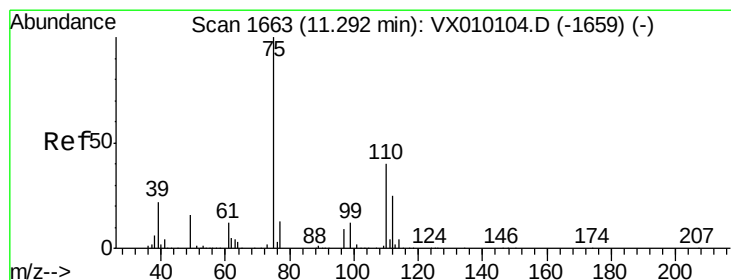
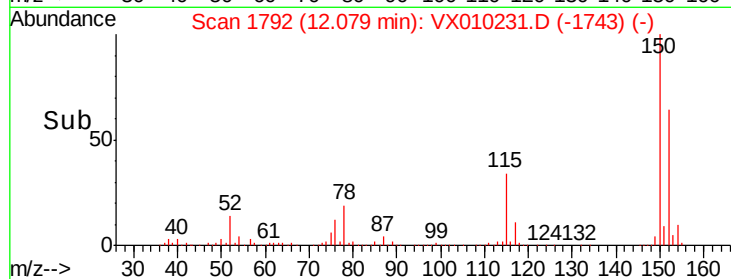
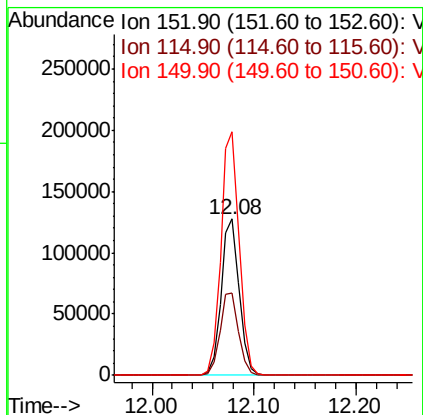
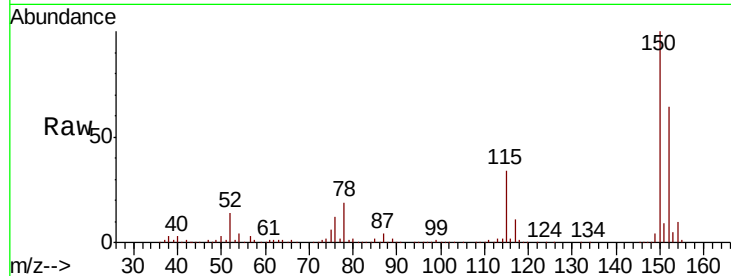


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010231.D
Acq: 11 Jun 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW203I-20190607

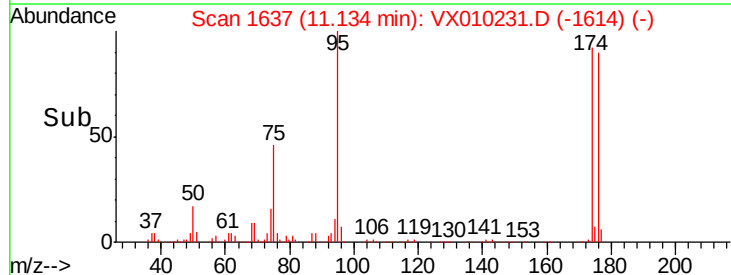
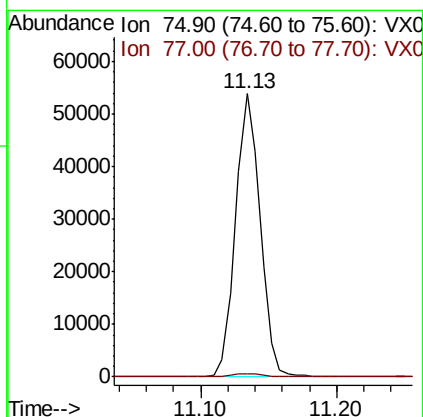
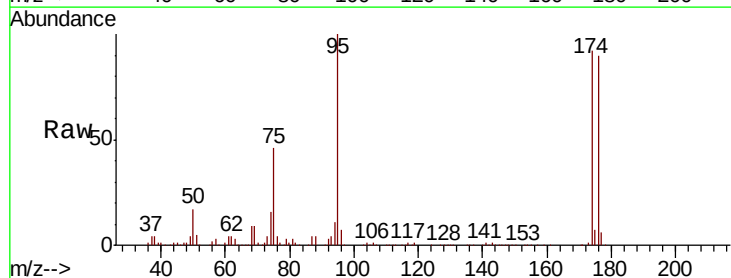
Tot Ion:152 Resp: 157101
Ion Ratio Lower Upper
152 100
115 54.5 41.4 124.2
150 158.5 0.0 345.2

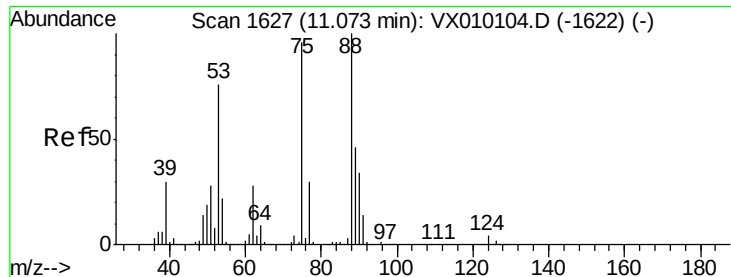


#76

1,2,3-Trichloropropane
Concen: 21.554 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010231.D
Acq: 11 Jun 2019 14:42

Tgt Ion: 75 Resp: 67731
Ion Ratio Lower Upper
75 100
77 1.4 22.1 66.1#

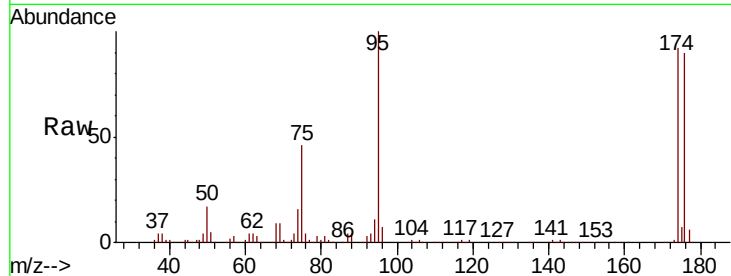




#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.623 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010231.D
 Acq: 11 Jun 2019 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW203I-20190607

Tot Ion: 75 Resp: 67731
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.0 34.2 51.4#



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

