

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010147.D
 Acq On : 08 Jun 2019 18:40
 Operator : JC/SP
 Sample : K3249-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24IR-20190606

Quant Time: Jun 10 08:02:44 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	5.67	168	297159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	445129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	405151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	131057	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	5.50	113	137988	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	8.71	98	522804	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	182090	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

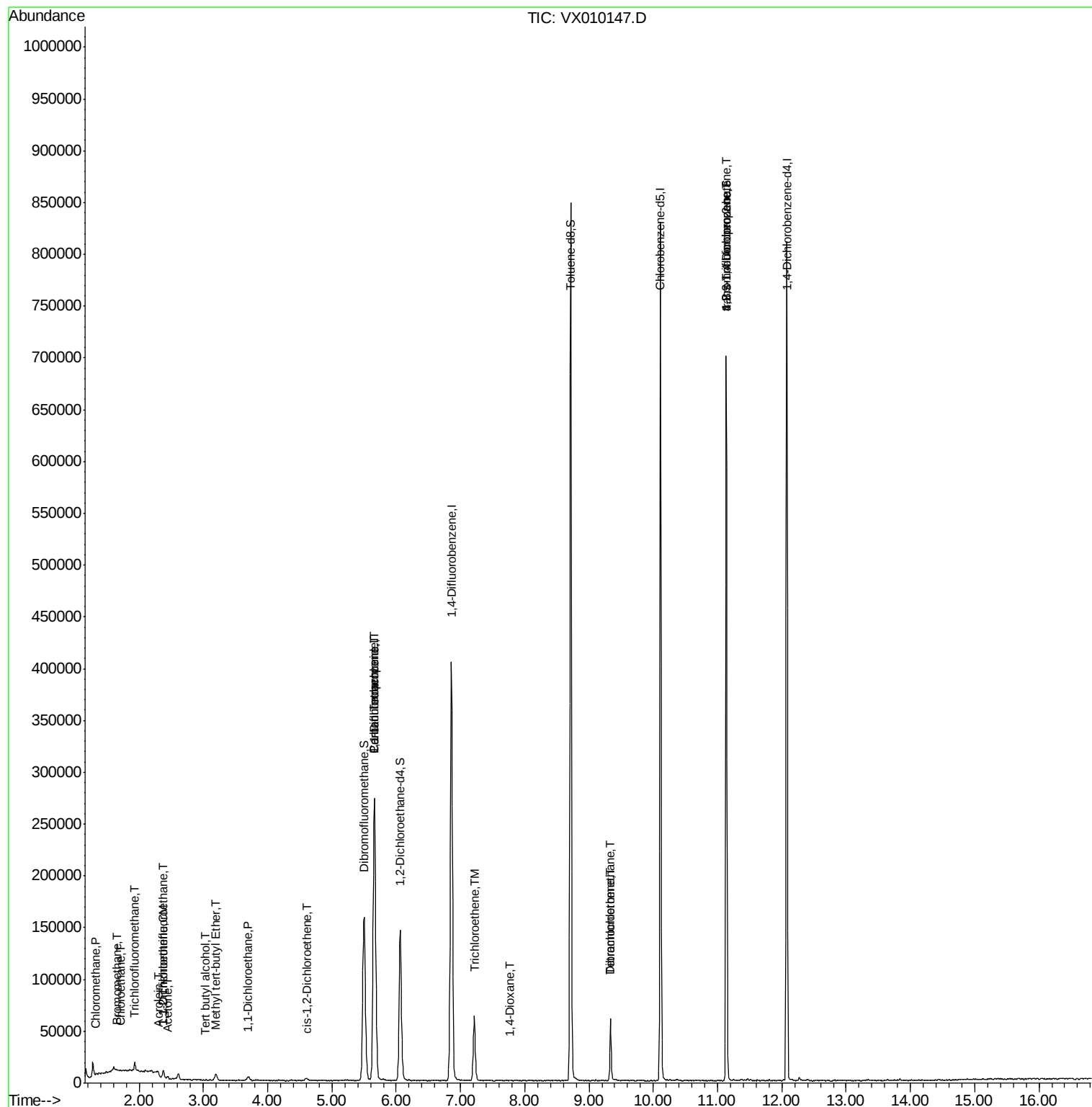
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	623	0.229	ug/l #	87
5) Bromomethane	1.65	94	306	0.318	ug/l #	34
6) Chloroethane	1.70	64	291	0.226	ug/l #	43
7) Trichlorofluoromethane	1.93	101	5074	1.338	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	905	0.346	ug/l #	71
11) Tert butyl alcohol	3.04	59	145	0.204	ug/l #	1
12) 1,1-Dichloroethene	2.38	96	2304	0.863	ug/l #	75
13) Acrolein	2.30	56	111	0.857	ug/l #	14
16) Acetone	2.44	43	2788	2.044	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	6945	0.810	ug/l	94
24) 1,1-Dichloroethane	3.70	63	3633	0.777	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	1409	0.429	ug/l	72
36) 1,1-Dichloropropene	5.67	75	17435	4.801	ug/l #	53
38) Carbon Tetrachloride	5.66	117	25513	6.207	ug/l #	16
44) Trichloroethene	7.21	130	25967	7.671	ug/l	84
49) 1,4-Dioxane	7.76	88	76	0.902	ug/l #	1
60) Dibromochloromethane	9.34	129	10506	2.938	ug/l #	11
64) Tetrachloroethene	9.34	164	11648	3.871	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	81276	21.689	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	81276	47.919	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
Data File : VX010147.D
Acq On : 08 Jun 2019 18:40
Operator : JC/SP
Sample : K3249-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24IR-20190606

Quant Time: Jun 10 08:02:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

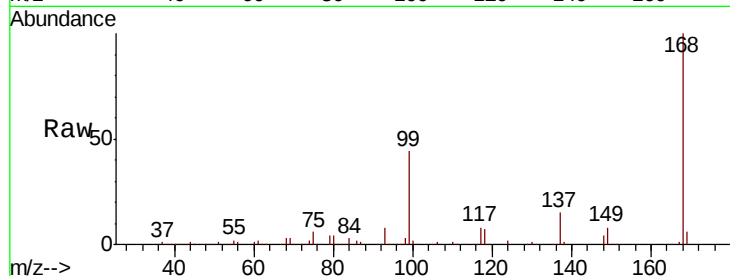
BP-HN-MW24IR-20190606

Tgt Ion:168 Resp: 297159

Ion Ratio Lower Upper

168 100

99 43.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

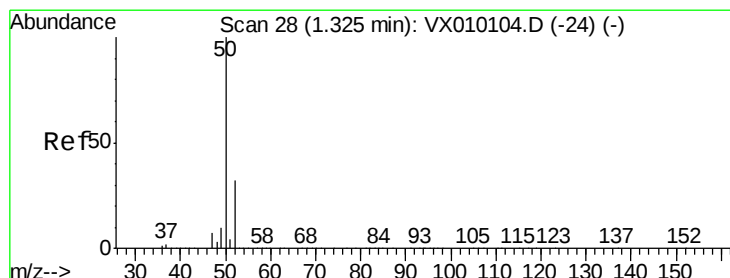
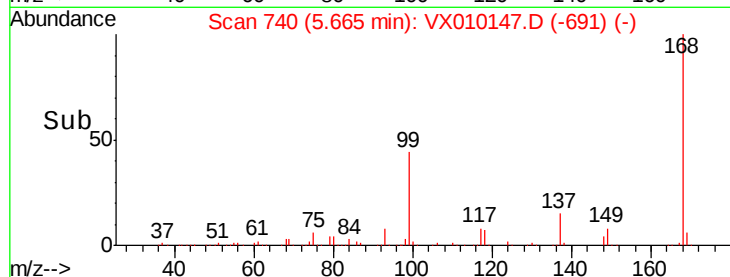
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.229 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010147.D

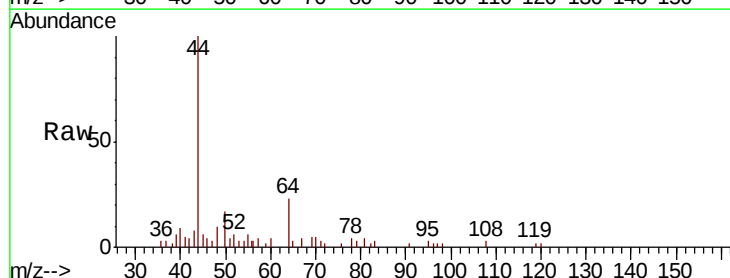
Acq: 08 Jun 2019 18:40

Tgt Ion: 50 Resp: 623

Ion Ratio Lower Upper

50 100

52 25.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

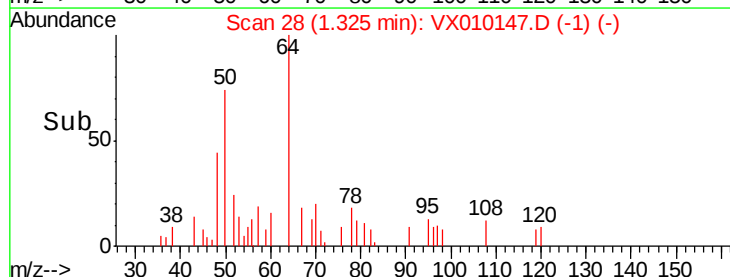
300

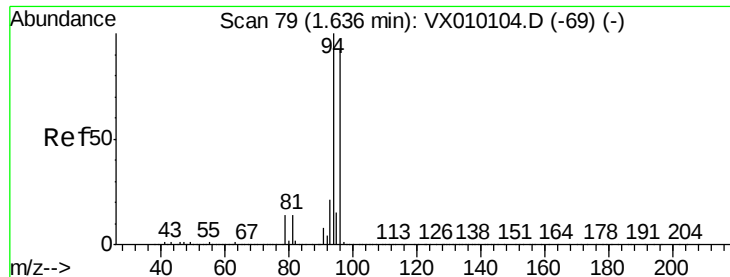
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.318 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

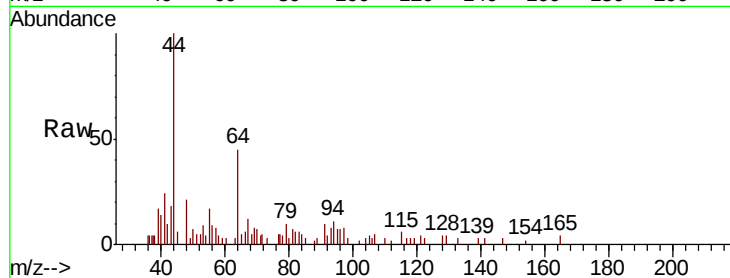
BP-HN-MW24IR-20190606

Tgt Ion: 94 Resp: 306

Ion Ratio Lower Upper

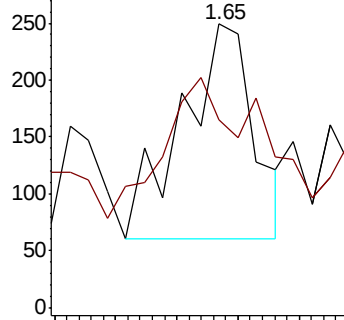
94 100

96 30.9 76.2 114.4#

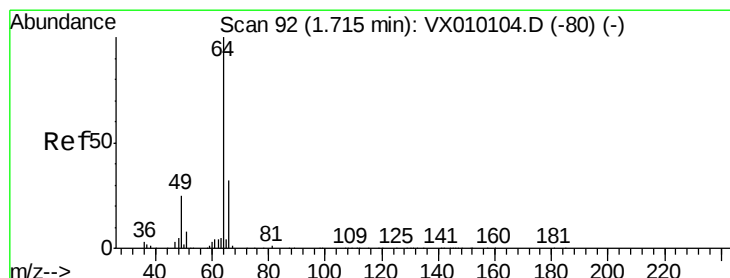
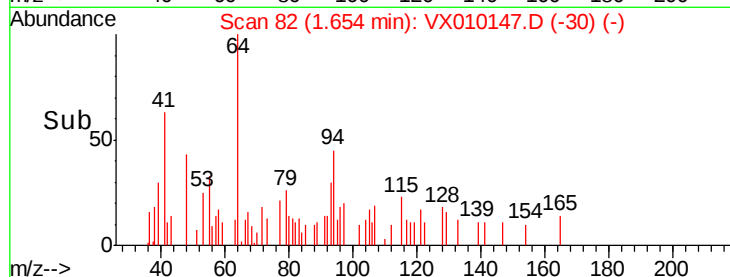


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.226 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010147.D

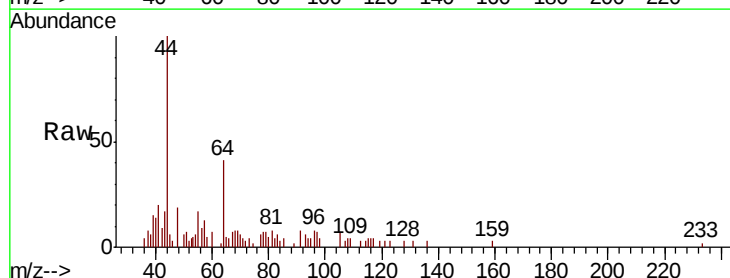
Acq: 08 Jun 2019 18:40

Tgt Ion: 64 Resp: 291

Ion Ratio Lower Upper

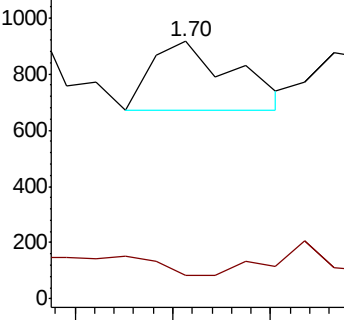
64 100

66 0.0 25.1 37.7#

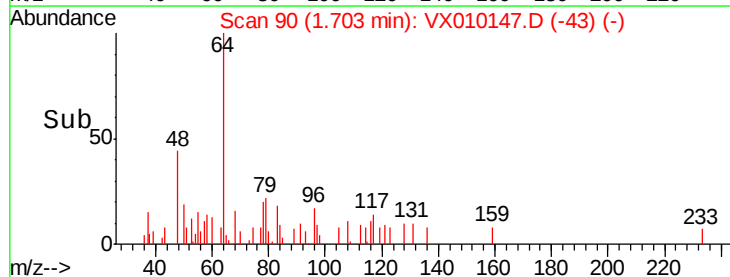


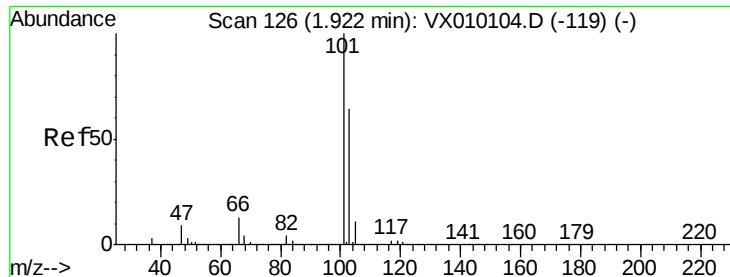
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

Trichlorofluoromethane

Concen: 1.338 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

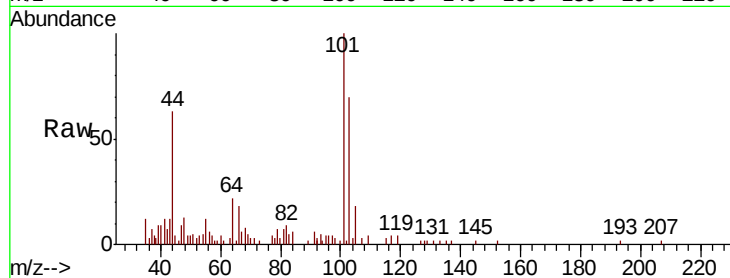
BP-HN-MW24IR-20190606

Tgt Ion:101 Resp: 5074

Ion Ratio Lower Upper

101 100

103 68.5 52.2 78.4

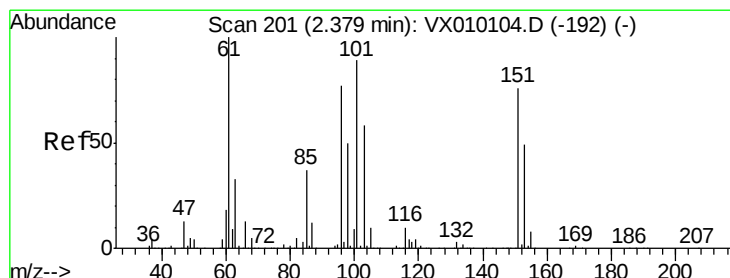
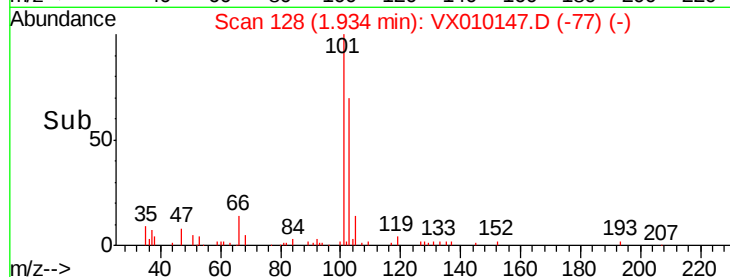


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.346 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

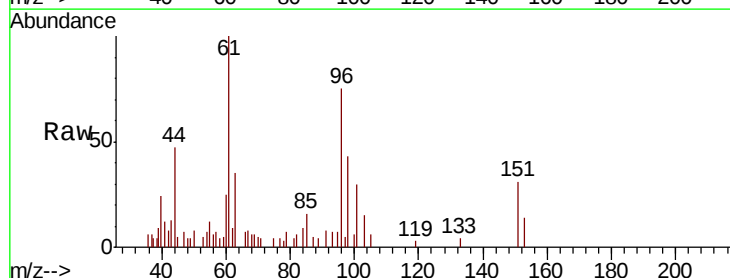
Tgt Ion:101 Resp: 905

Ion Ratio Lower Upper

101 100

85 66.3 35.2 52.8#

151 99.2 61.9 92.9#



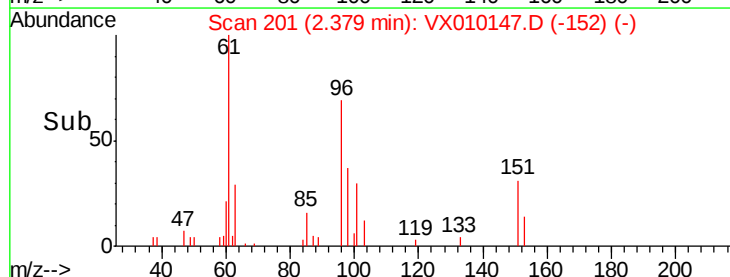
Abundance Ion 100.90 (100.60 to 101.60): V

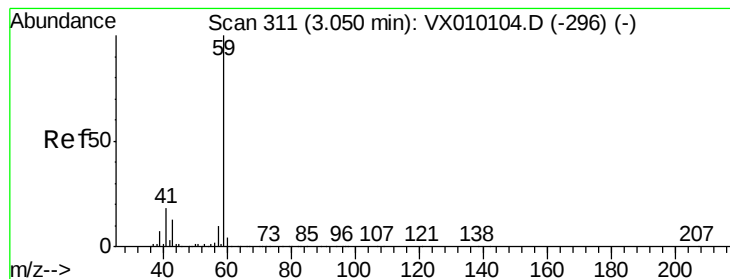
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.38

Time-->



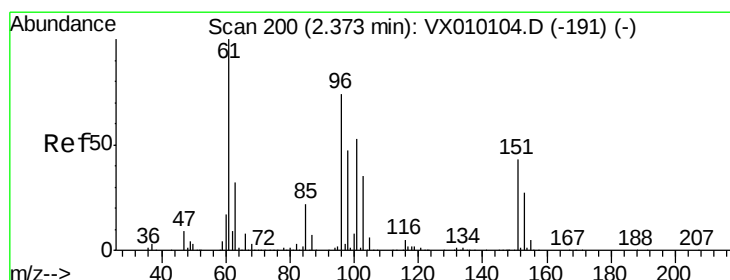
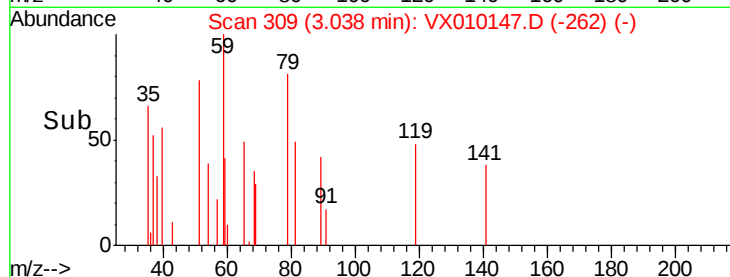
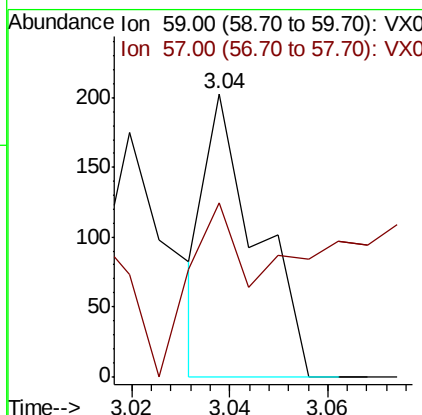
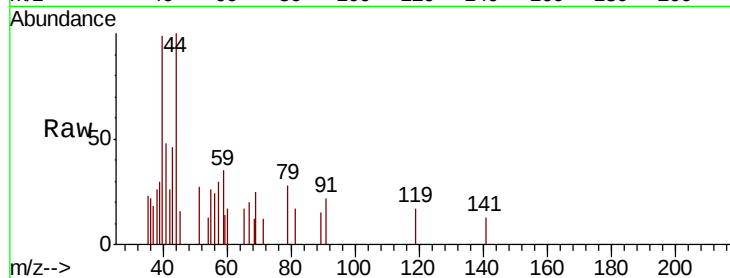


#11

Tert butyl alcohol
Concen: 0.204 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010147.D
Acq: 08 Jun 2019 18:40

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24IR-20190606

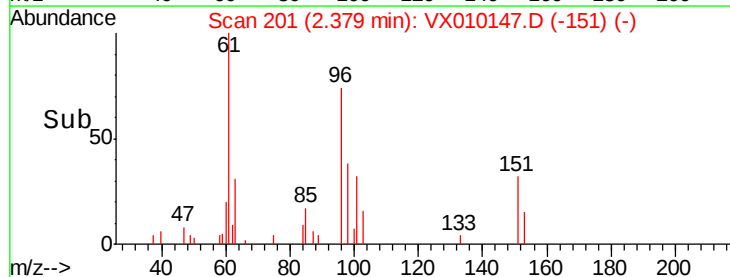
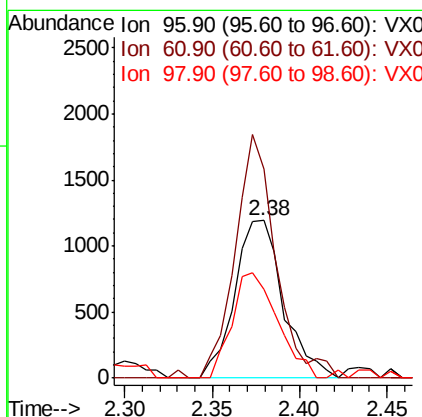
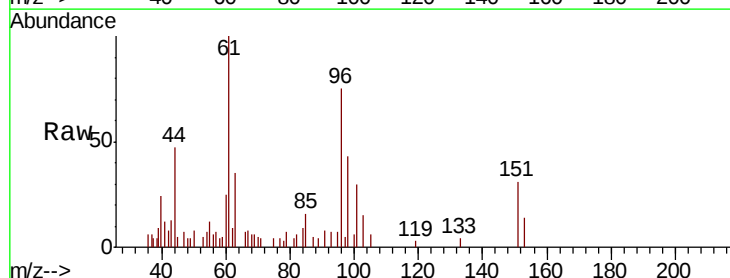
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 110.3 8.2 12.2#

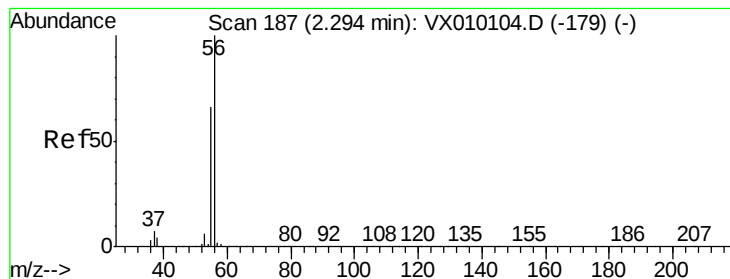


#12

1,1-Dichloroethene
Concen: 0.863 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX010147.D
Acq: 08 Jun 2019 18:40

Tgt Ion: 96 Resp: 2304
Ion Ratio Lower Upper
96 100
61 132.5 140.7 211.1#
98 56.6 50.1 75.1





#13

Acrolein

Concen: 0.857 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

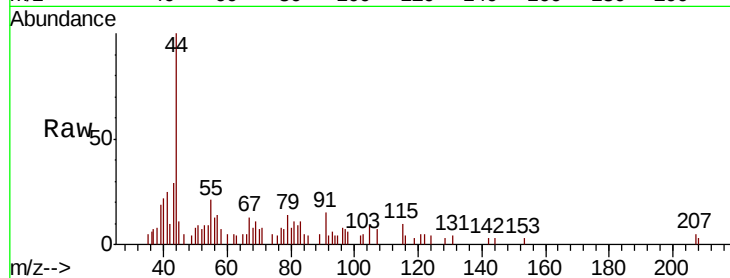
BP-HN-MW24IR-20190606

Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

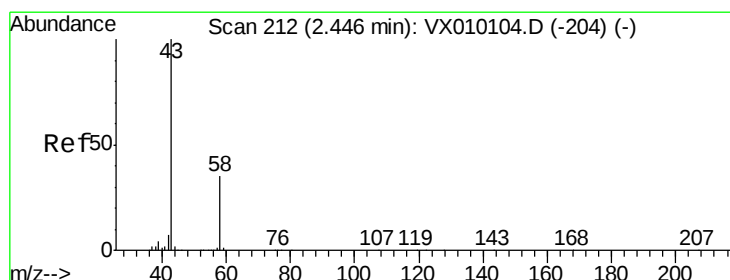
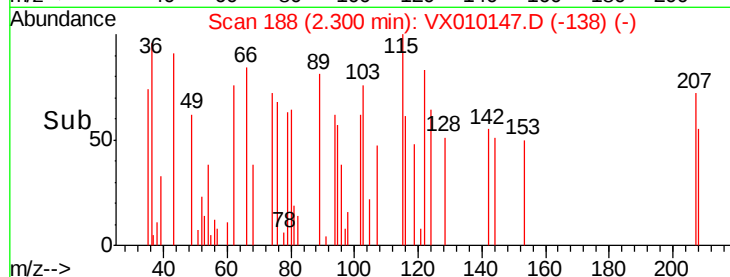
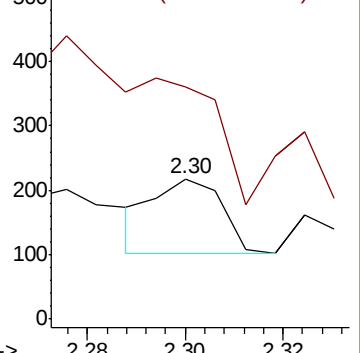
56 100

55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.044 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010147.D

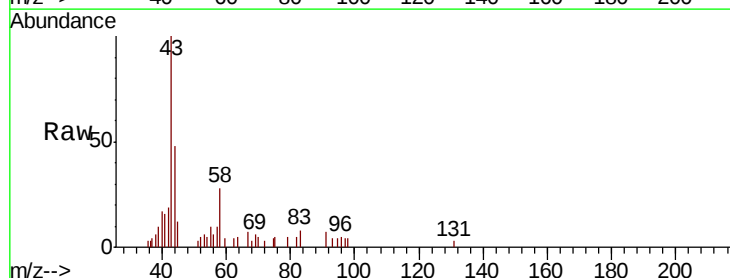
Acq: 08 Jun 2019 18:40

Tgt Ion: 43 Resp: 2788

Ion Ratio Lower Upper

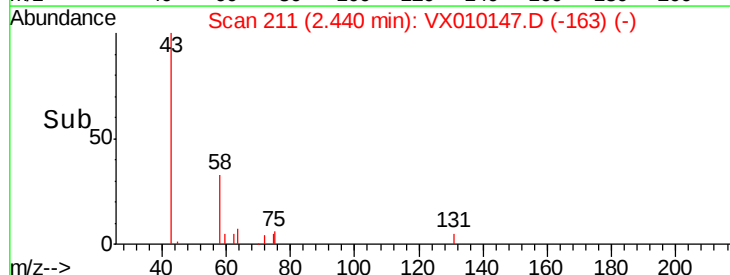
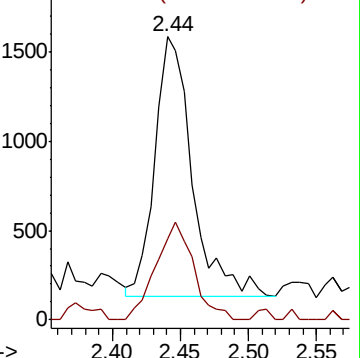
43 100

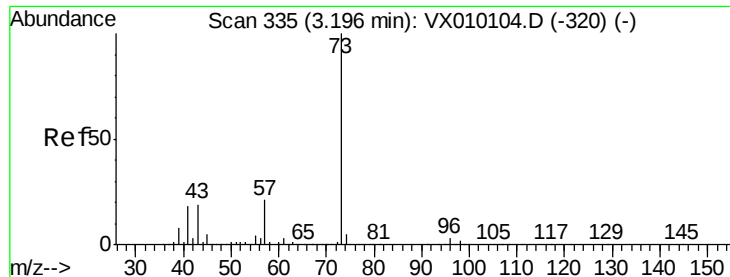
58 31.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#19

Methyl tert-butyl Ether

Concen: 0.810 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

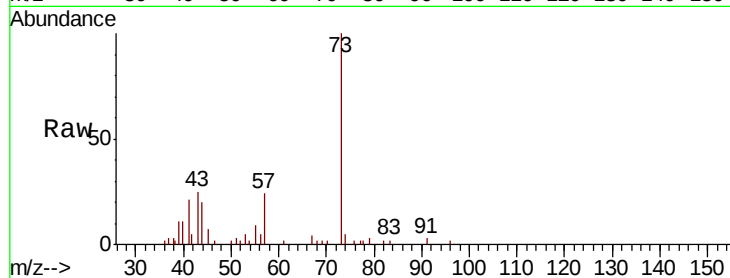
BP-HN-MW24IR-20190606

Tgt Ion: 73 Resp: 6945

Ion Ratio Lower Upper

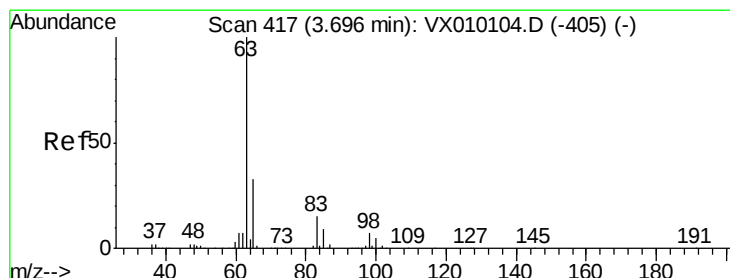
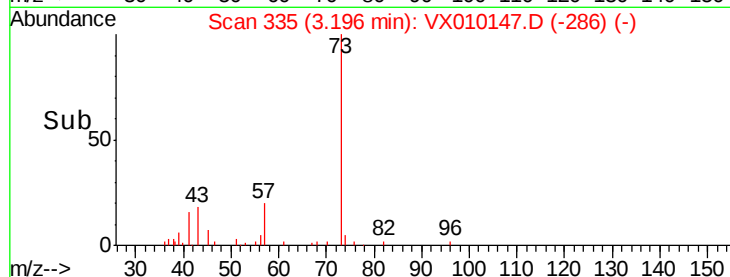
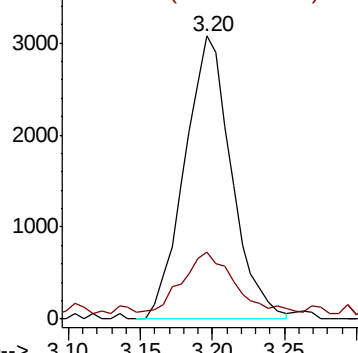
73 100

57 21.2 19.4 29.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#24

1,1-Dichloroethane

Concen: 0.777 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

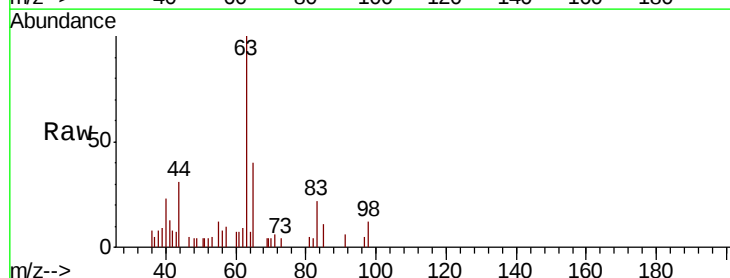
Tgt Ion: 63 Resp: 3633

Ion Ratio Lower Upper

63 100

98 11.8 2.9 8.8#

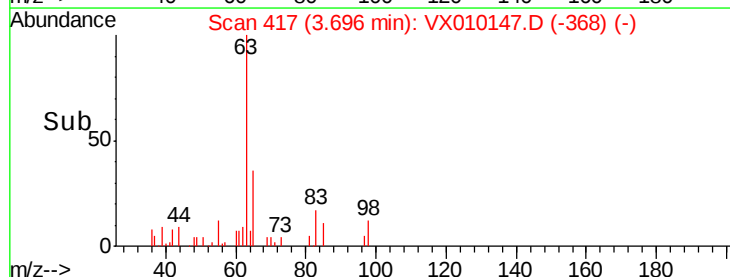
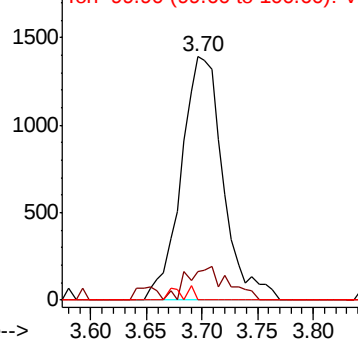
100 0.0 1.8 5.4#

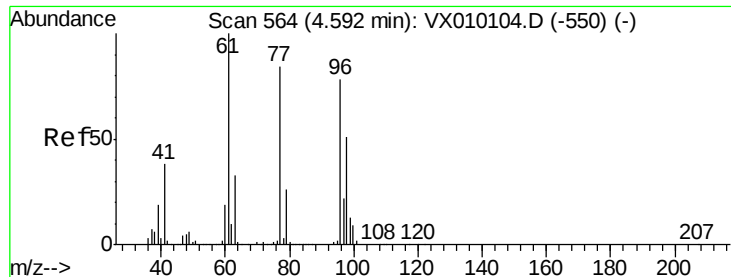


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



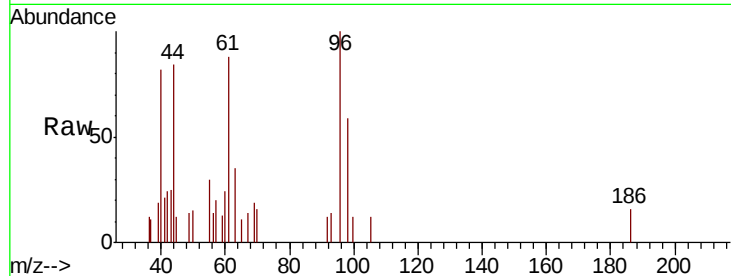


#27

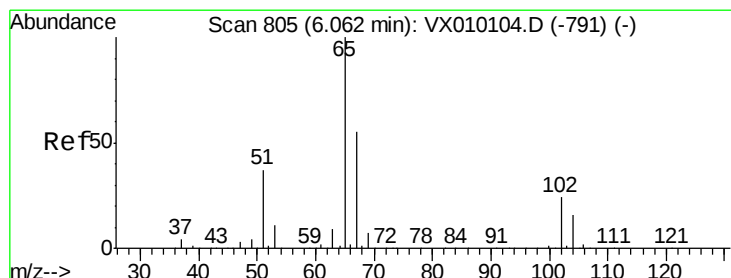
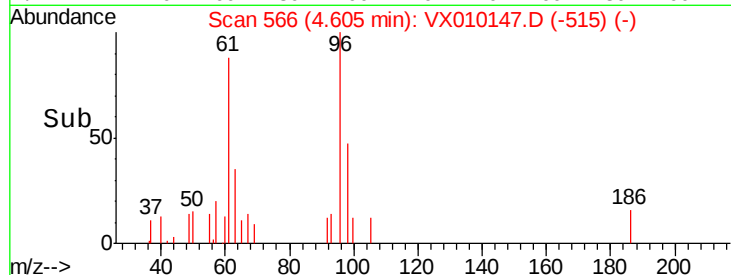
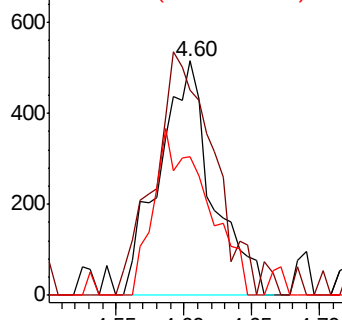
cis-1,2-Dichloroethene
 Concen: 0.429 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24IR-20190606

Tgt Ion: 96 Resp: 1409
 Ion Ratio Lower Upper
 96 100
 61 117.1 0.0 334.0
 98 70.5 0.0 131.6



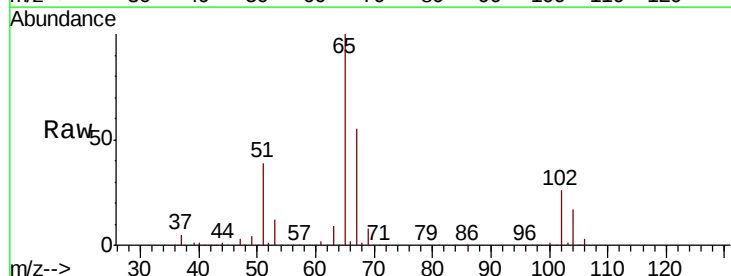
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



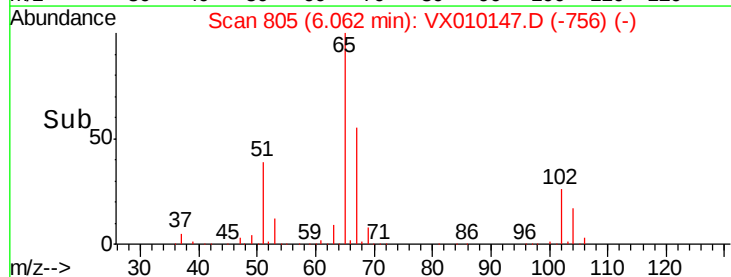
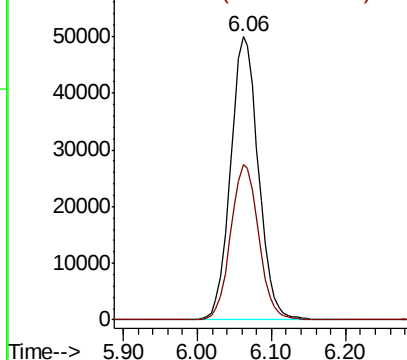
#33

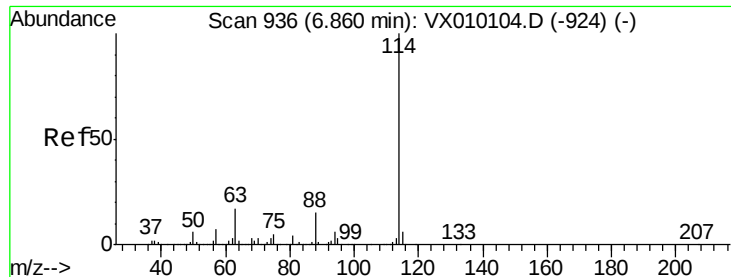
1,2-Dichloroethane-d4
 Concen: 45.183 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

Tgt Ion: 65 Resp: 131057
 Ion Ratio Lower Upper
 65 100
 67 55.5 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: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24IR-20190606

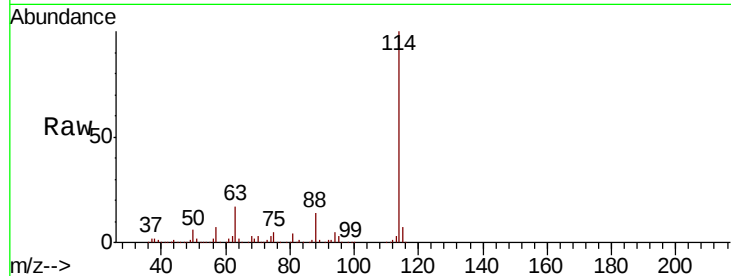
Tgt Ion:114 Resp: 445129

Ion Ratio Lower Upper

114 100

63 17.0 0.0 47.4

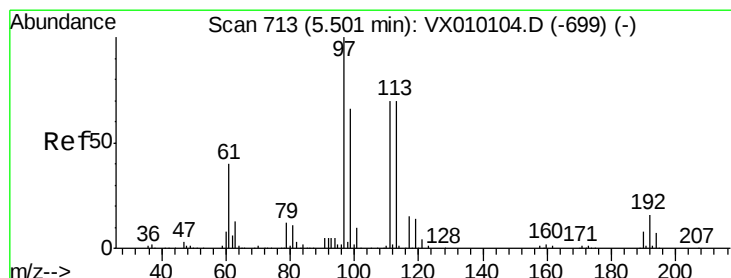
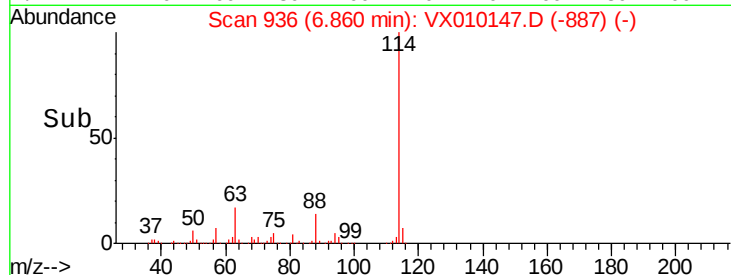
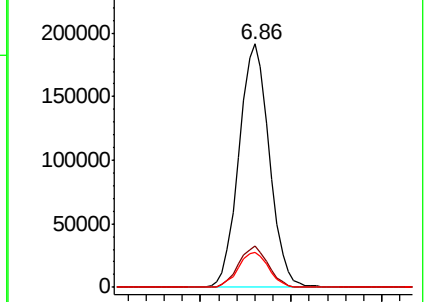
88 14.5 0.0 33.0



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: 50.257 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

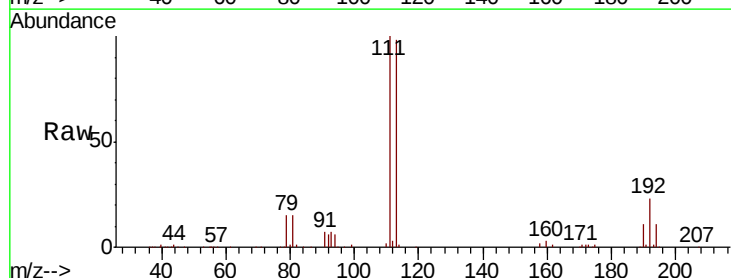
Tgt Ion:113 Resp: 137988

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

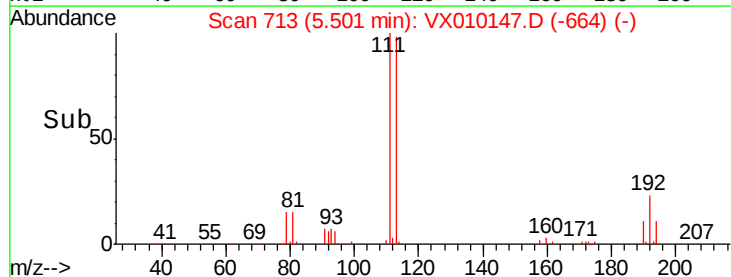
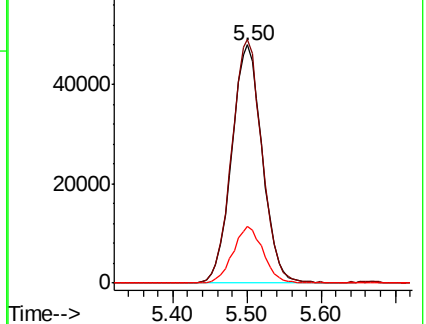
192 23.4 17.1 25.7

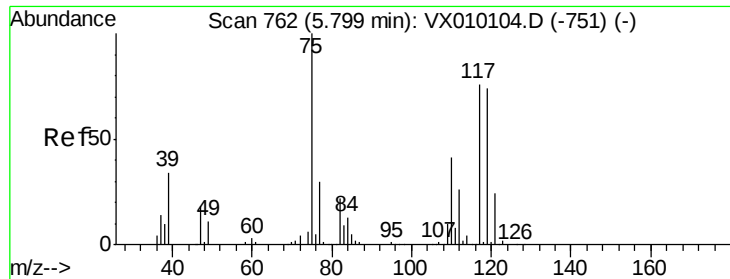


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

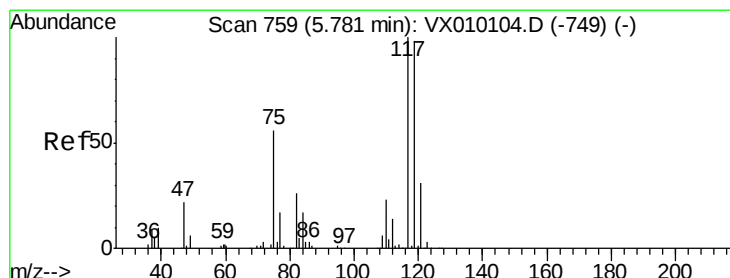
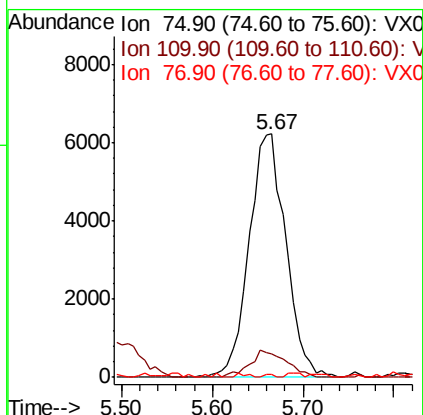
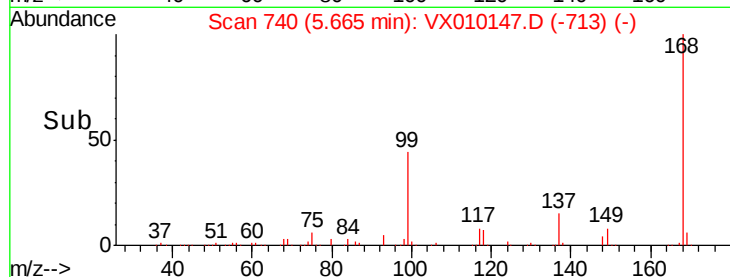
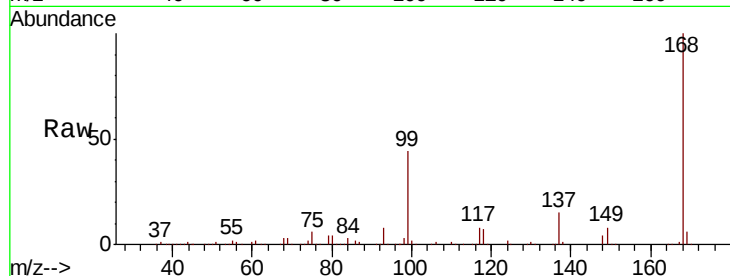




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

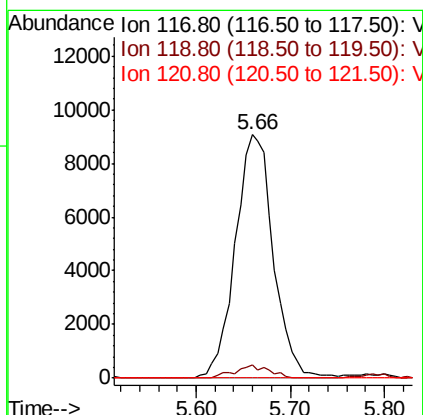
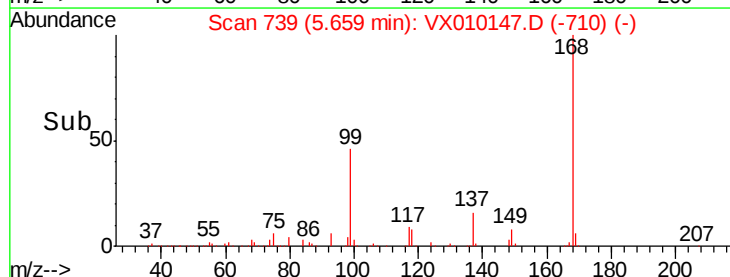
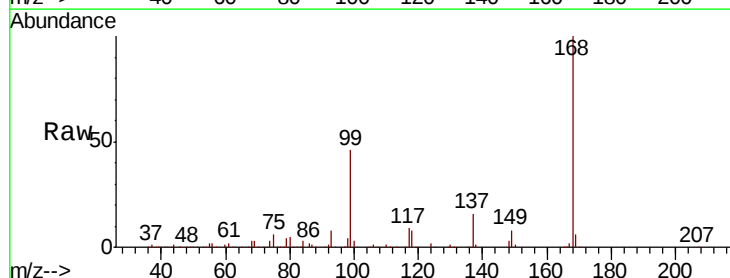
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24IR-20190606

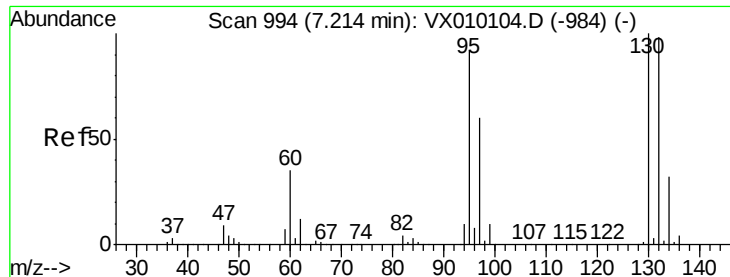
Tgt Ion: 75 Resp: 17435
 Ion Ratio Lower Upper
 75 100
 110 11.1 16.7 50.1#
 77 0.3 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.207 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

Tgt Ion: 117 Resp: 25513
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.3 115.9#
 121 0.0 25.4 38.0#





#44

Trichloroethene

Concen: 7.671 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

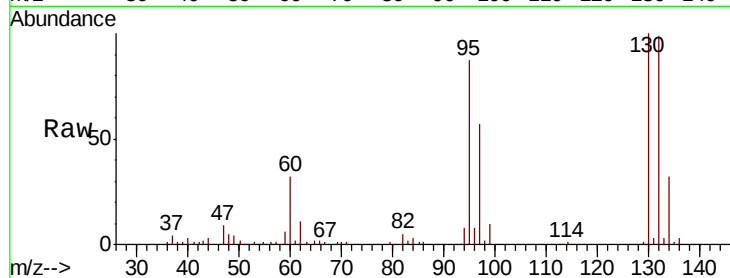
BP-HN-MW24IR-20190606

Tgt Ion:130 Resp: 25967

Ion Ratio Lower Upper

130 100

95 87.2 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

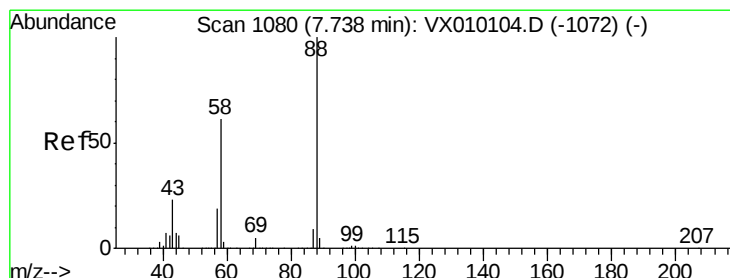
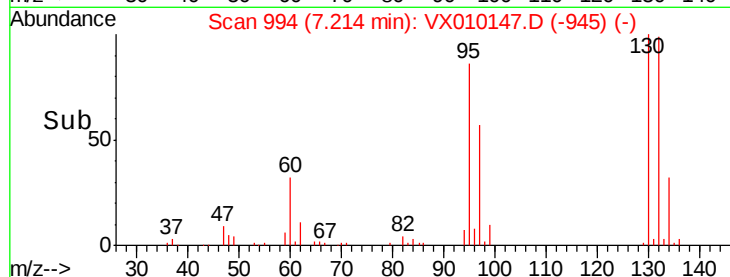
10000

5000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.902 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

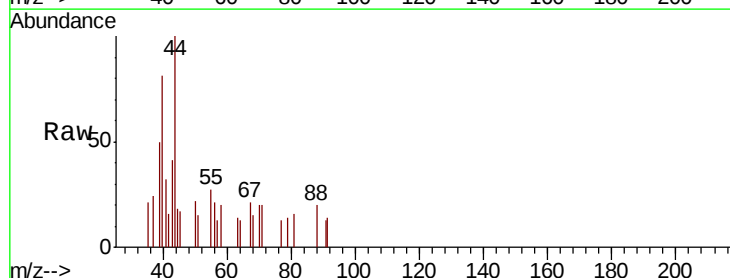
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 161.8 30.2 45.4#

58 194.7 64.0 96.0#



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

300

250

200

150

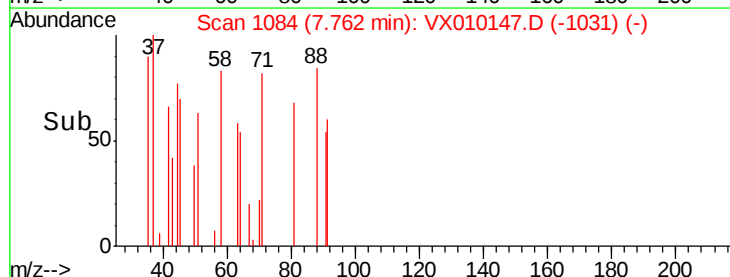
100

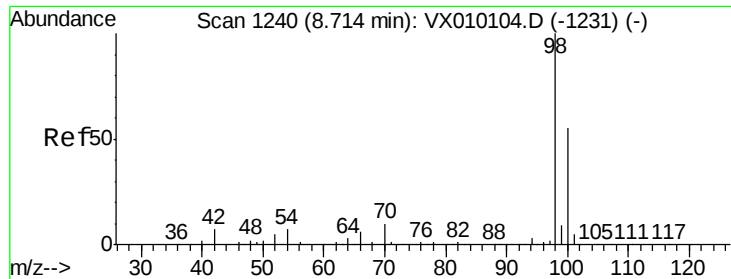
50

0

Time-->

7.74 7.76





#50

Toluene-d8

Concen: 50.806 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

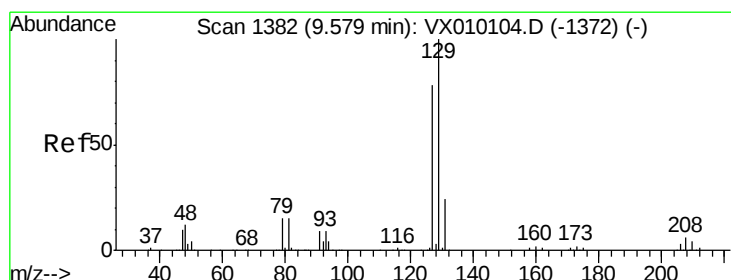
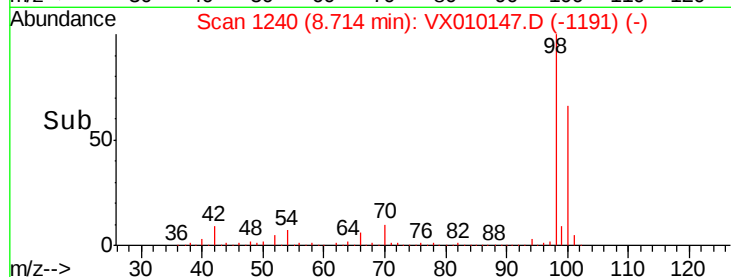
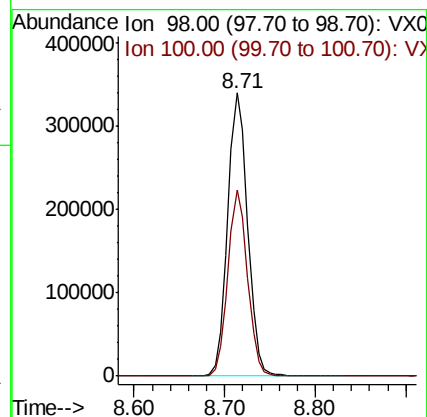
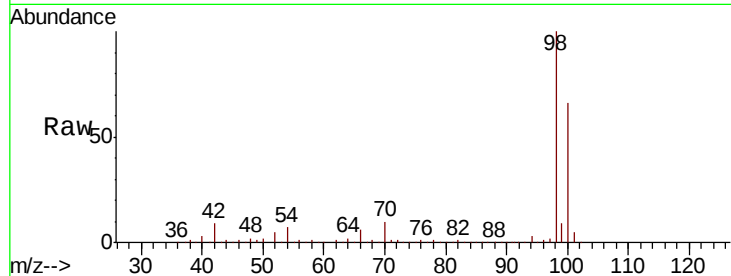
BP-HN-MW24IR-20190606

Tgt Ion: 98 Resp: 522804

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3



#60

Dibromochloromethane

Concen: 2.938 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010147.D

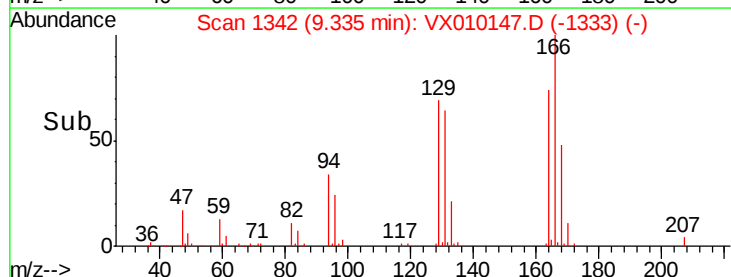
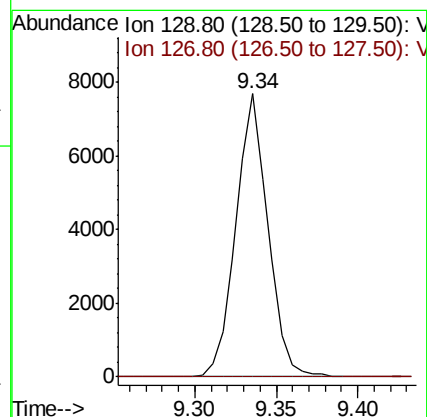
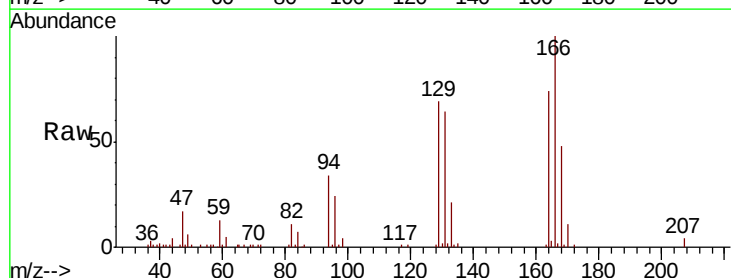
Acq: 08 Jun 2019 18:40

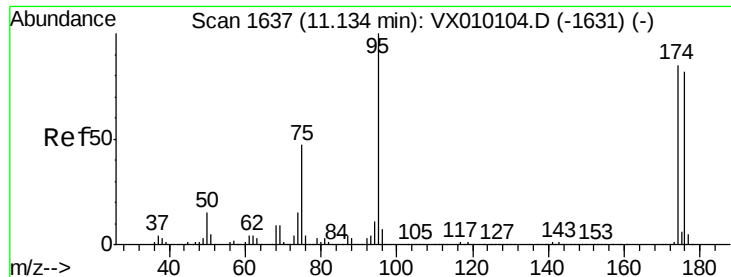
Tgt Ion: 129 Resp: 10506

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 47.382 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24IR-20190606

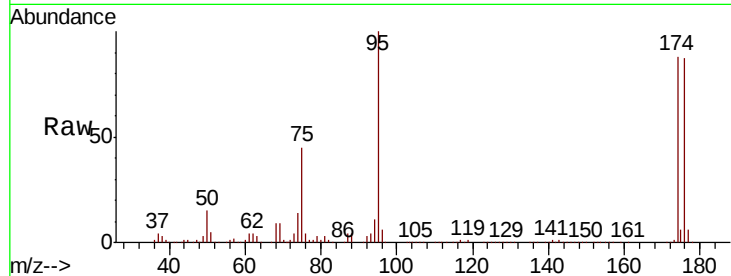
Tgt Ion: 95 Resp: 182090

Ion Ratio Lower Upper

95 100

174 93.2 0.0 160.4

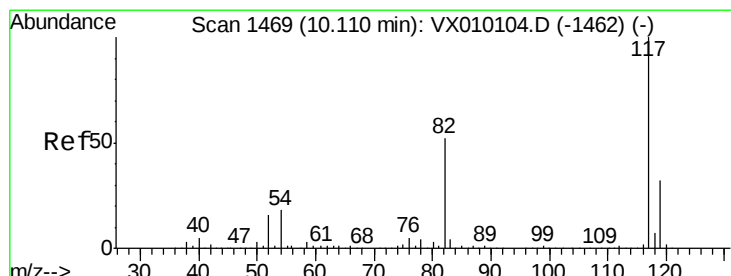
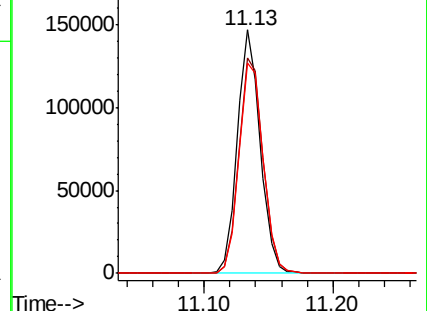
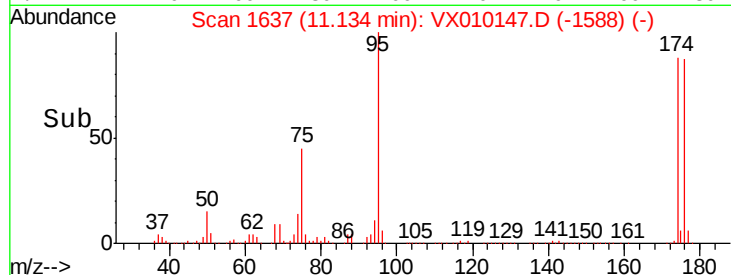
176 91.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010147.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010147.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010147.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010147.D

Acq: 08 Jun 2019 18:40

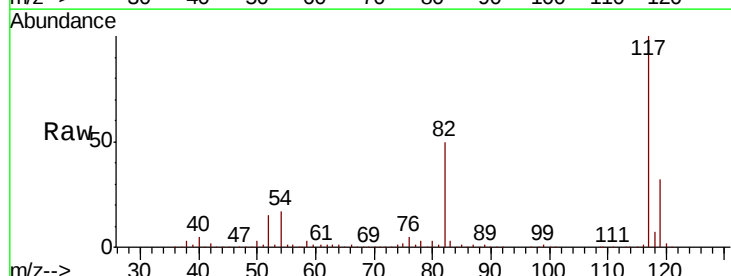
Tgt Ion: 117 Resp: 405151

Ion Ratio Lower Upper

117 100

82 49.7 49.2 73.8

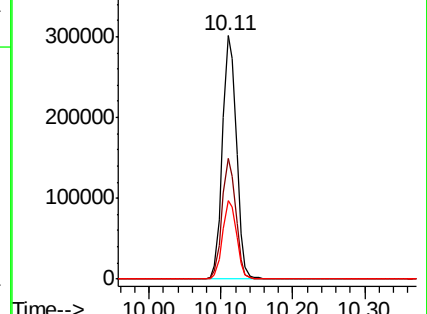
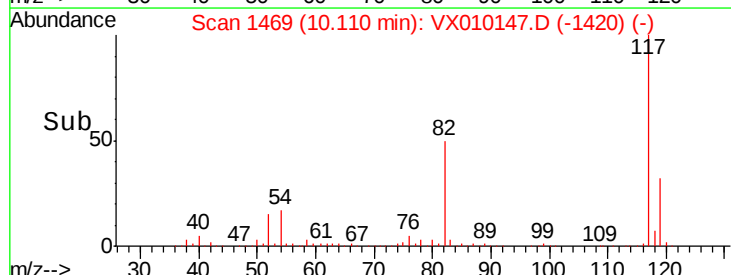
119 32.3 25.2 37.8

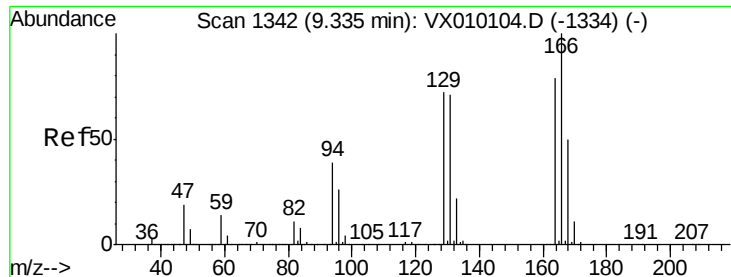


Abundance Ion 116.90 (116.60 to 117.60): VX010147.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010147.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010147.D (-1420) (-)

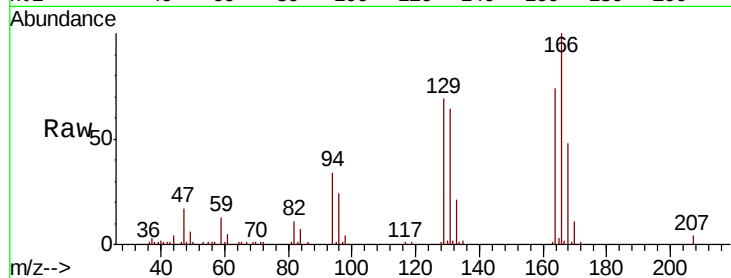




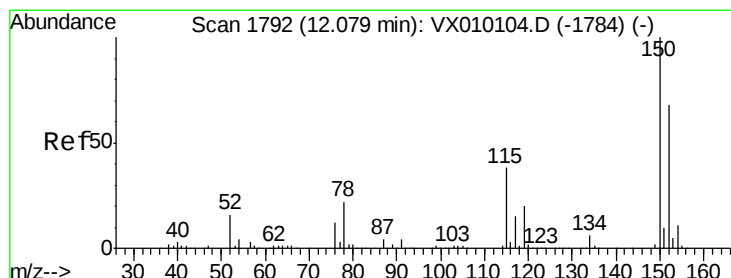
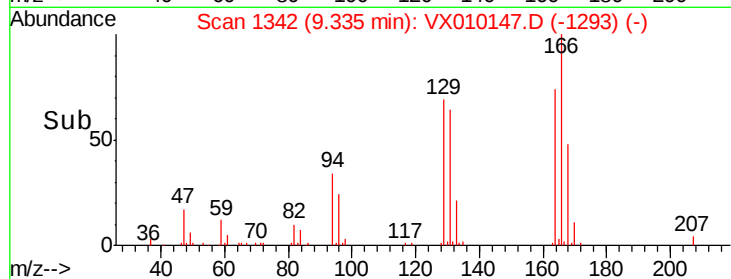
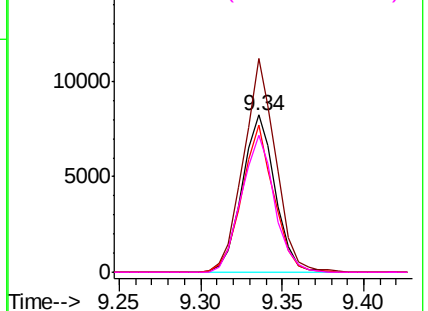
#64
Tetrachloroethene
Concen: 3.871 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010147.D
Acq: 08 Jun 2019 18:40

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24IR-20190606

Tgt Ion:164 Resp: 11648
Ion Ratio Lower Upper
164 100
166 135.9 105.0 157.4
129 93.4 75.1 112.7
131 87.0 72.2 108.4

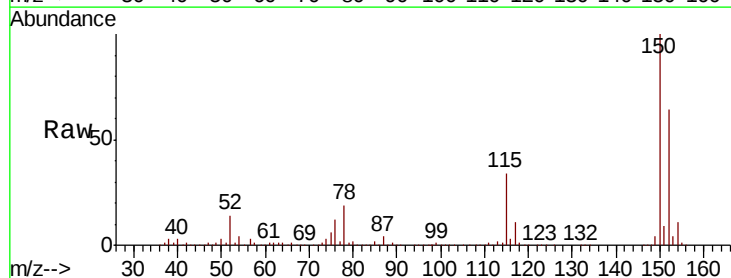


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

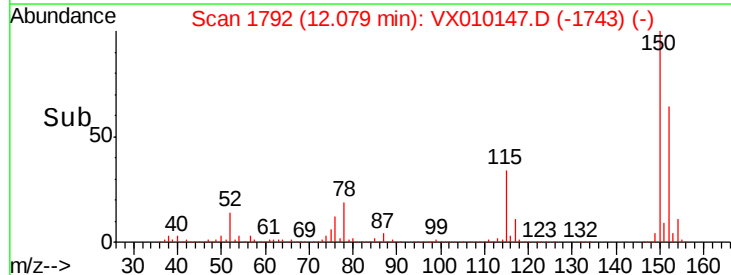
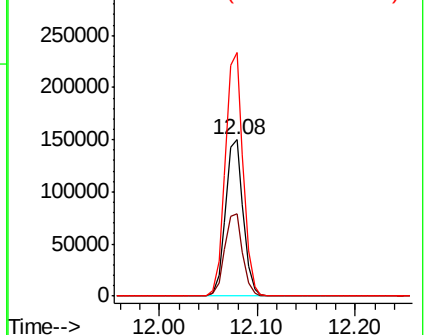


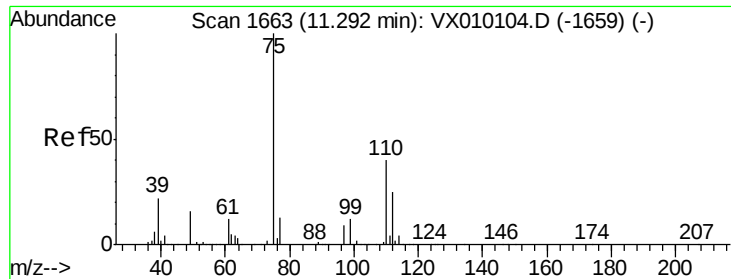
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010147.D
Acq: 08 Jun 2019 18:40

Tgt Ion:152 Resp: 187352
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 156.5 0.0 345.2



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

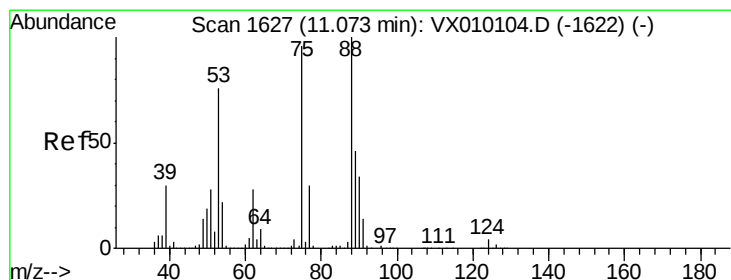
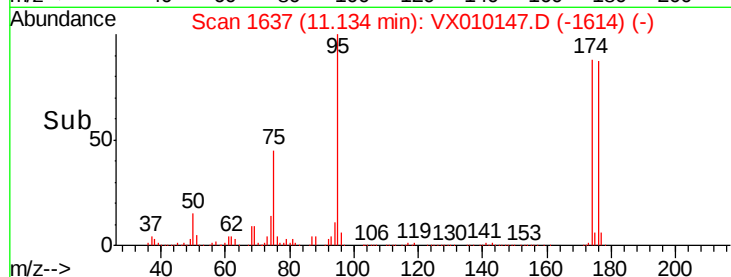
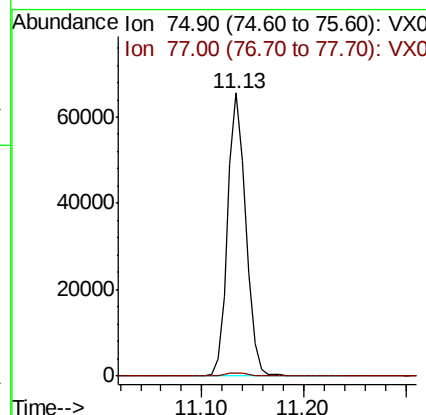
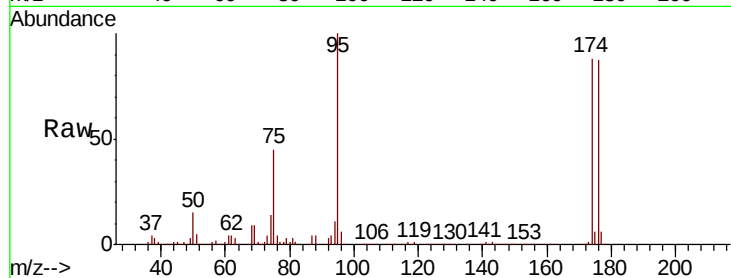




#76
 1,2,3-Trichloropropane
 Concen: 21.689 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24IR-20190606

Tgt Ion: 75 Resp: 81276
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.919 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

Tgt Ion: 75 Resp: 81276
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.1 34.2 51.4#

