

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 09:57:36 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	131057	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
35) Dibromofluoromethane	5.50	113	137988	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	8.71	98	522804	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	182090	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

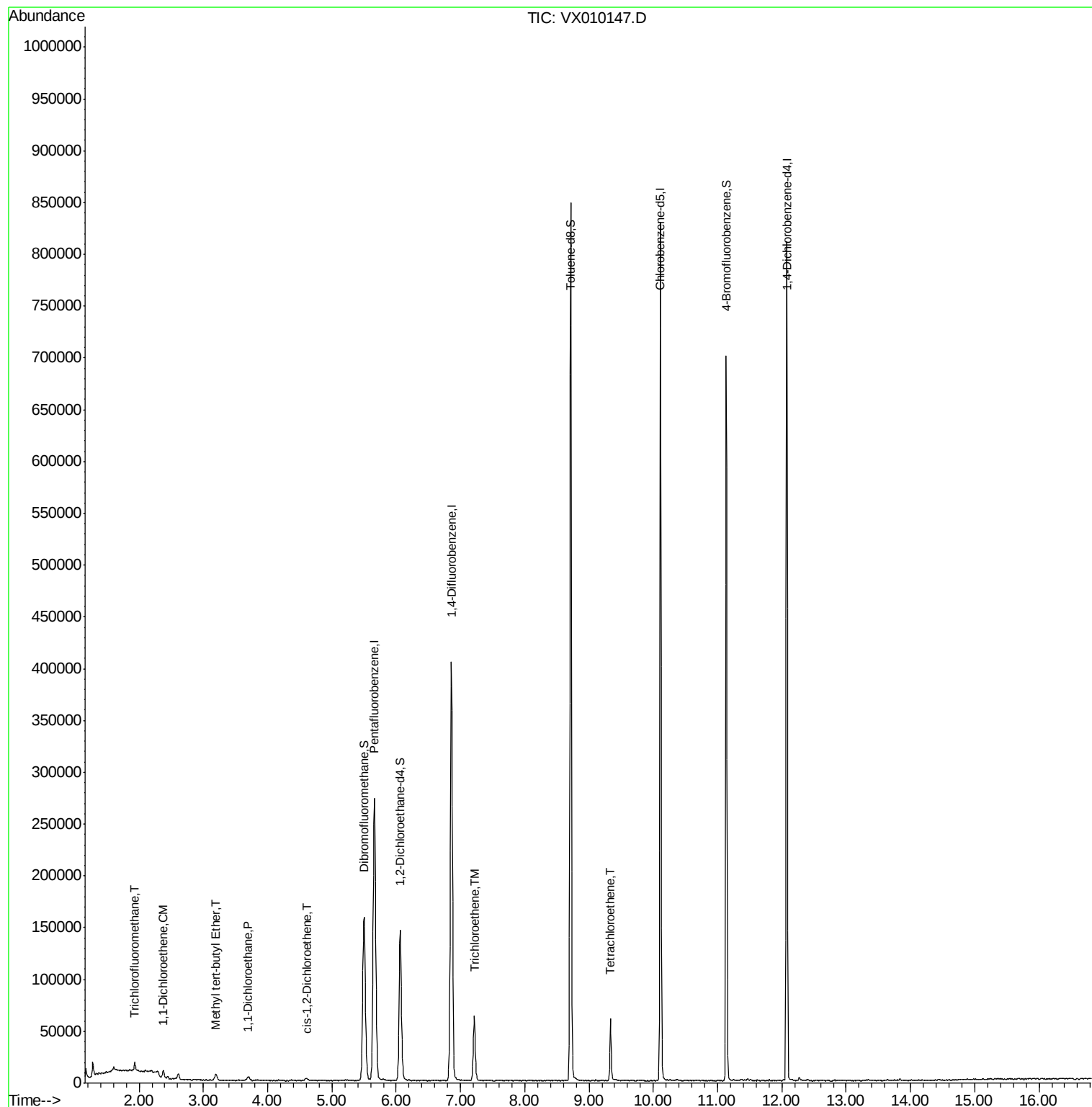
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.93	101	5074	1.338	ug/l	96
12) 1,1-Dichloroethene	2.38	96	2304	0.863	ug/l #	75
19) Methyl tert-butyl Ether	3.20	73	6945	0.810	ug/l	94
24) 1,1-Dichloroethane	3.70	63	3633	0.777	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	1409	0.429	ug/l	72
44) Trichloroethene	7.21	130	25967	7.671	ug/l	84
64) Tetrachloroethene	9.34	164	11648	3.871	ug/l	97

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

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#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 :

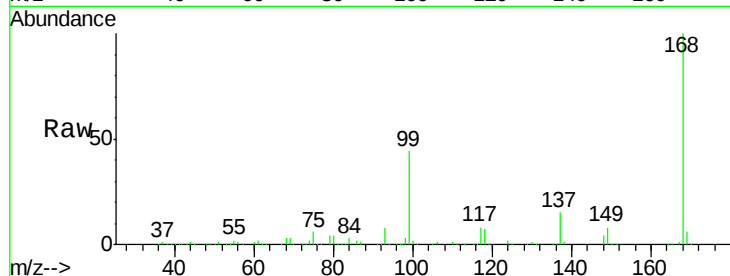
BP-HN-MW24IR-20190606

Tot 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

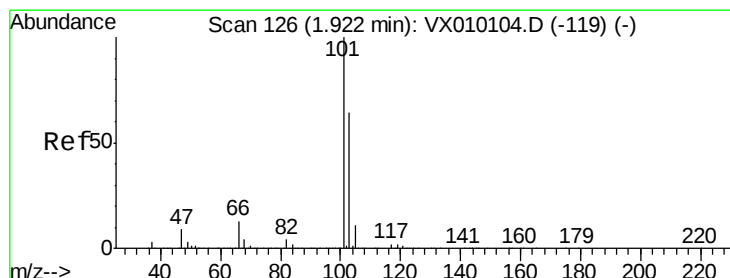
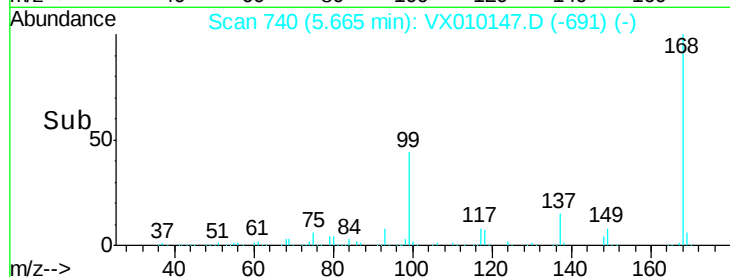
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#7

Trichlorofluoromethane

Concen: 1.338 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX010147.D

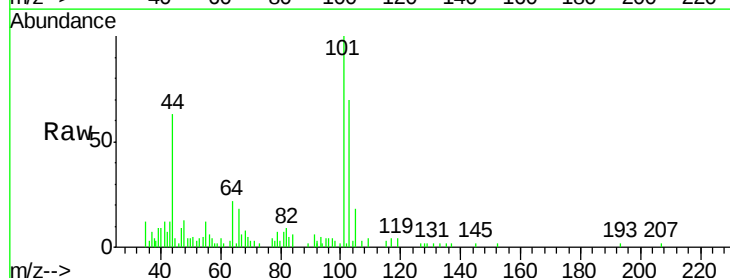
Acq: 08 Jun 2019 18:40

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

4000

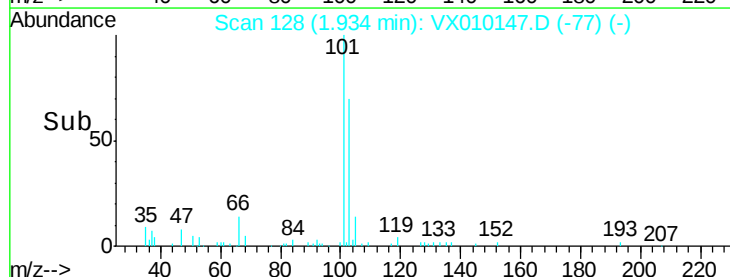
3000

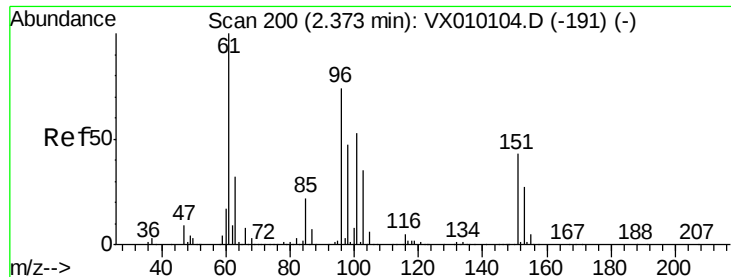
2000

1000

0

Time--> 1.85 1.90 1.95 2.00

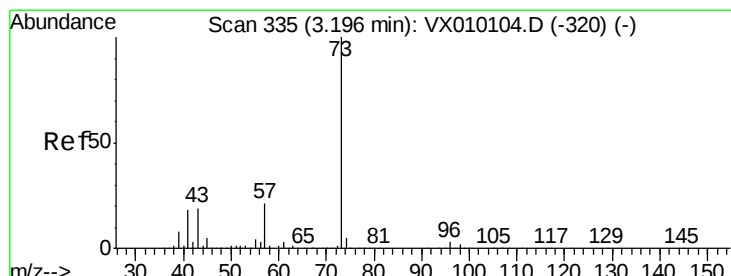
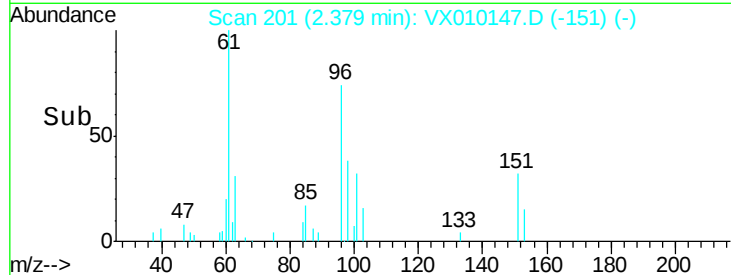
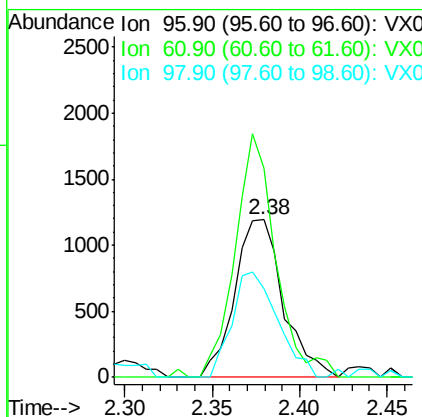
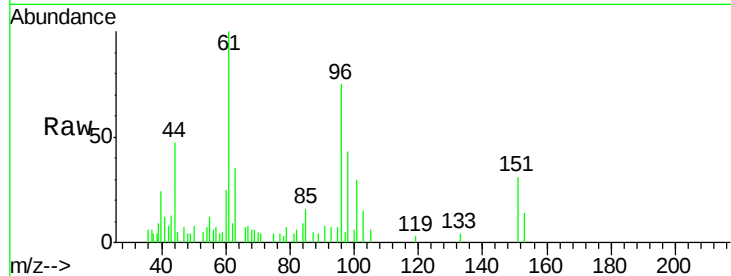




#12
 1,1-Dichloroethene
 Concen: 0.863 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

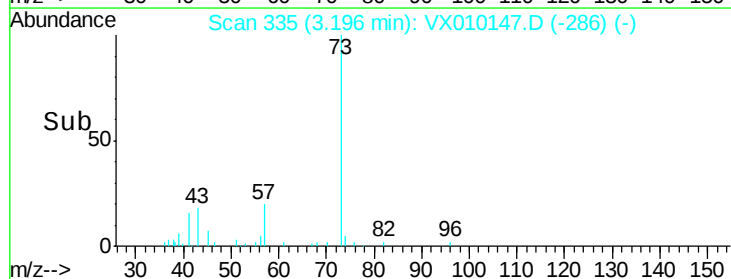
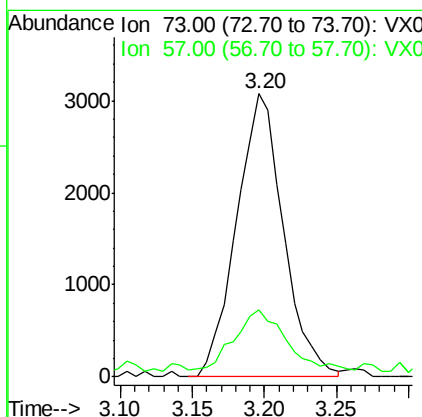
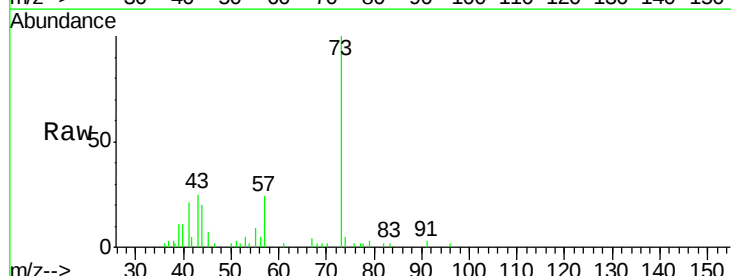
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24IR-20190606

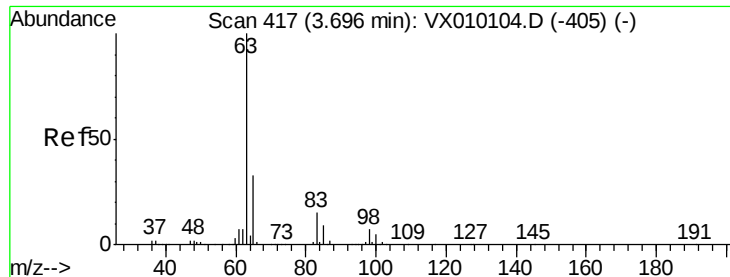
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	140.7	211.1#
98	56.6	50.1	75.1



#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

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.2	19.4	29.2





#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

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24IR-20190606

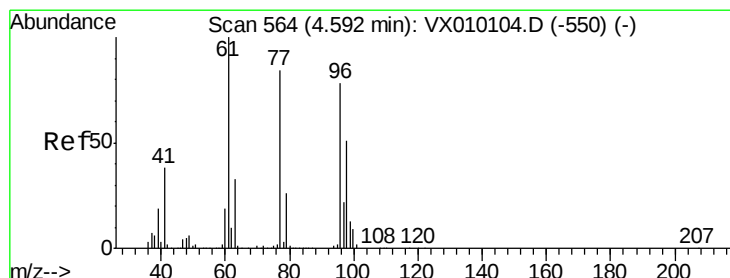
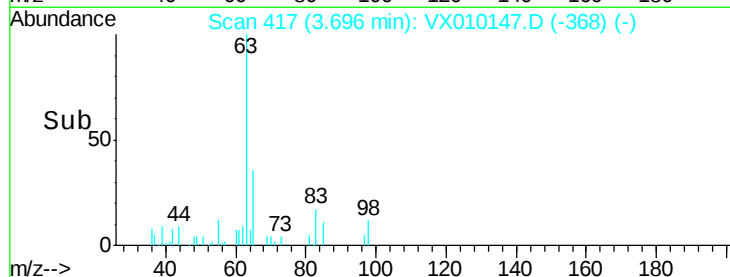
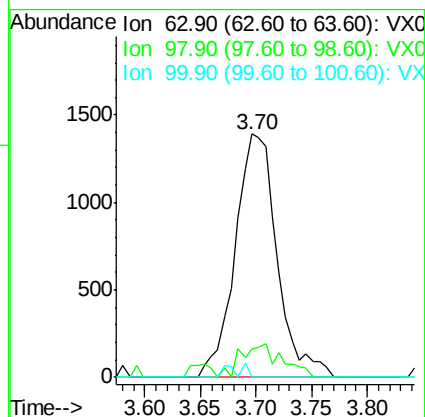
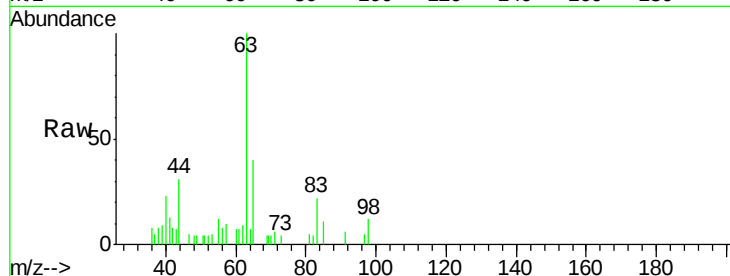
Tot Ion: 63 Resp: 3633

Ion Ratio Lower Upper

63 100

98 11.8 2.9 8.8#

100 0.0 1.8 5.4#



#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

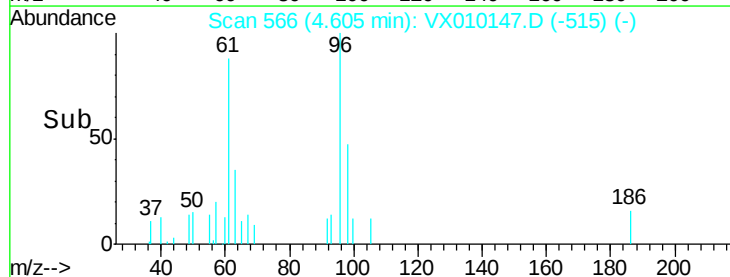
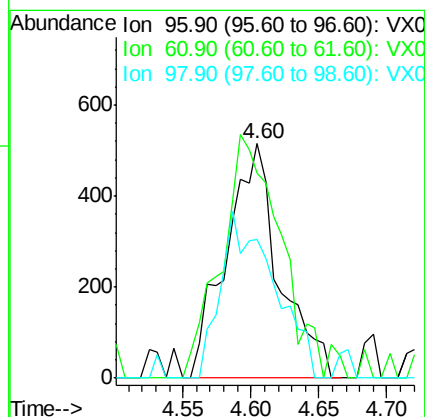
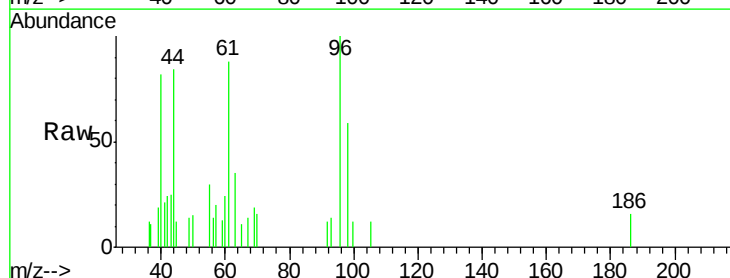
Tgt Ion: 96 Resp: 1409

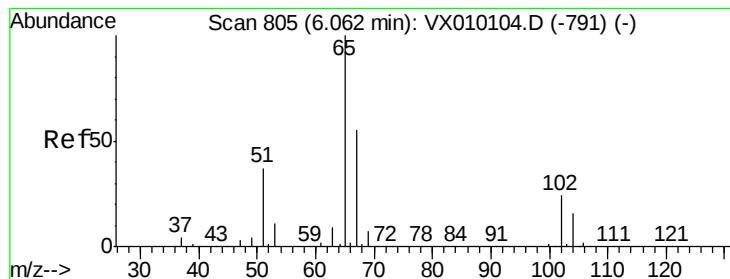
Ion Ratio Lower Upper

96 100

61 117.1 0.0 334.0

98 70.5 0.0 131.6





#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

Instrument :

MSVOA_X

ClientSampleId :

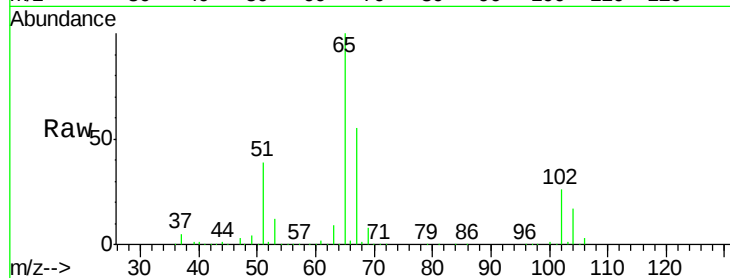
BP-HN-MW24IR-20190606

Tot Ion: 65 Resp: 131057

Ion Ratio Lower Upper

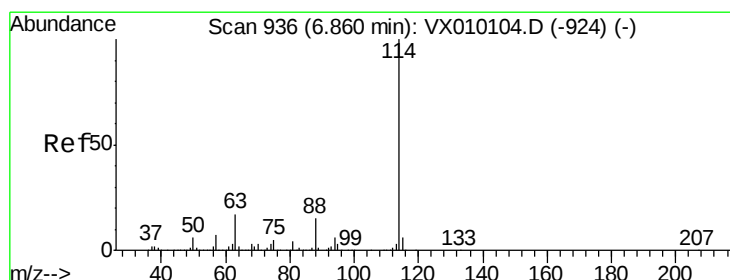
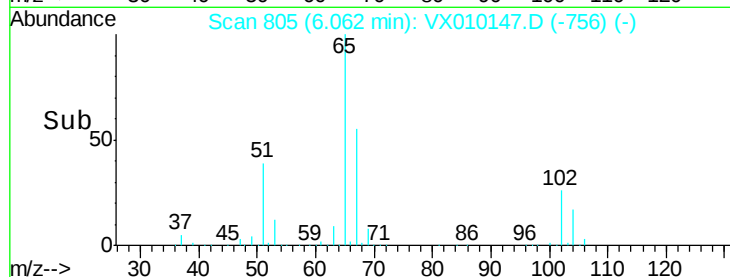
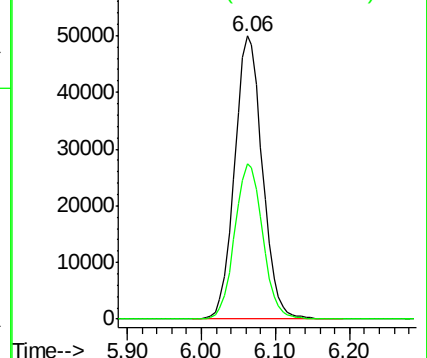
65 100

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

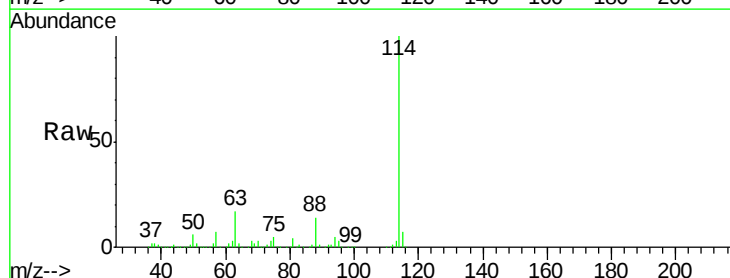
Tgt Ion: 114 Resp: 445129

Ion Ratio Lower Upper

114 100

63 17.0 0.0 47.4

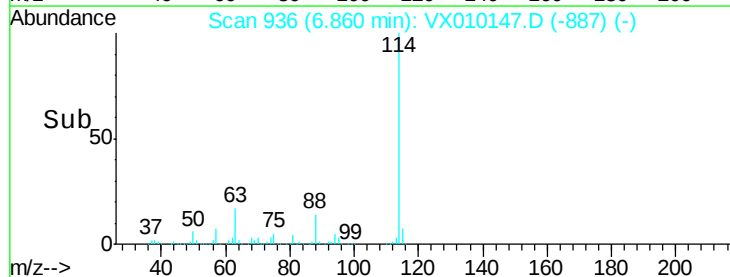
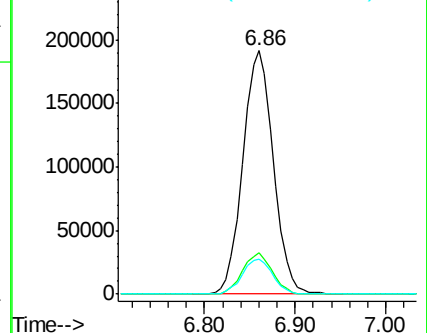
88 14.5 0.0 33.0

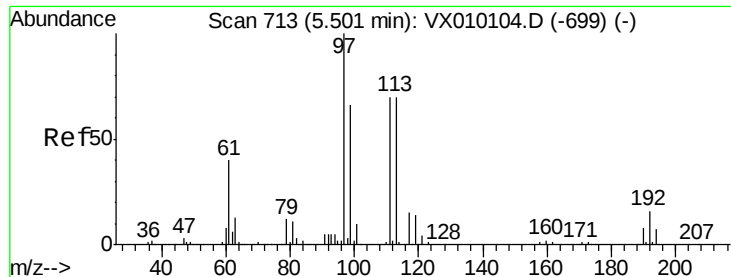


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

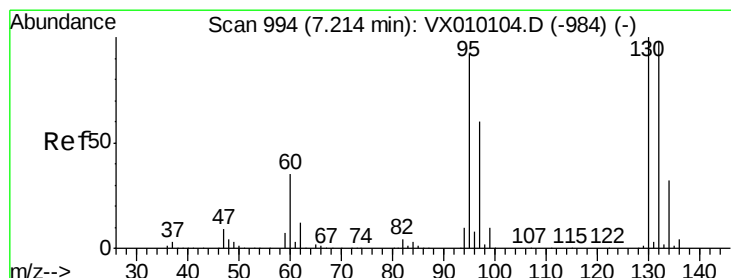
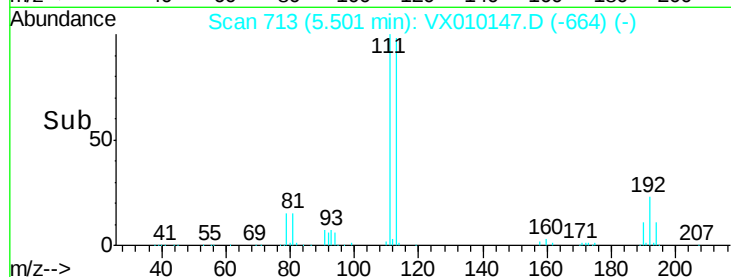
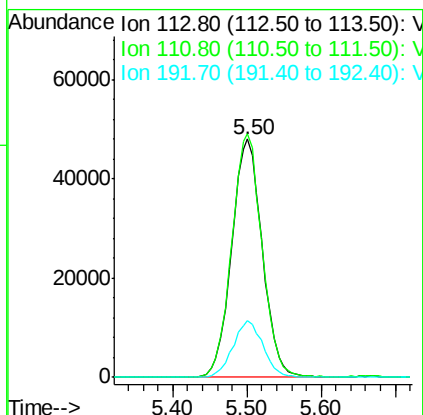
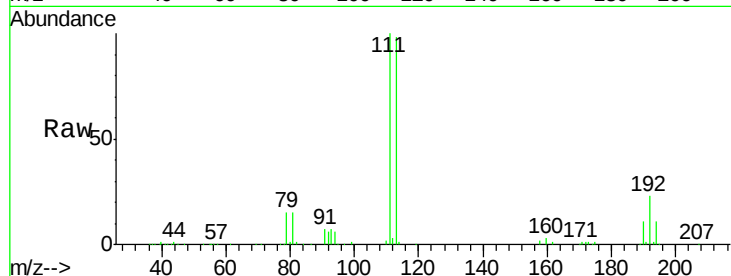




#35
 Dibromofluoromethane
 Concen: 50.257 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010147.D
 Acq: 08 Jun 2019 18:40

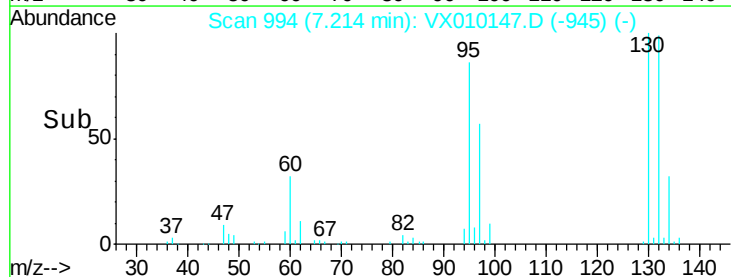
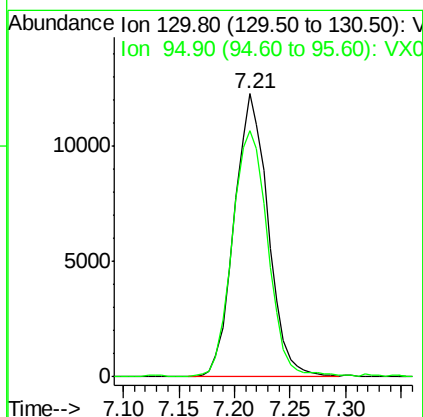
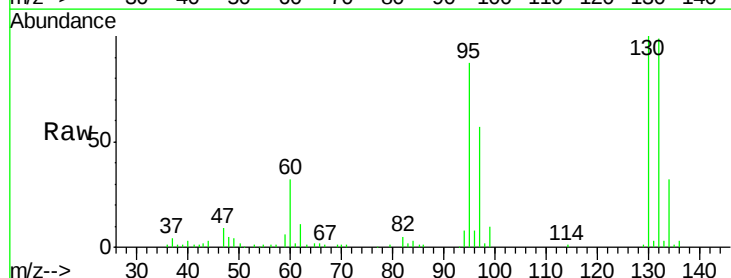
Instrument :
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 BP-HN-MW24IR-20190606

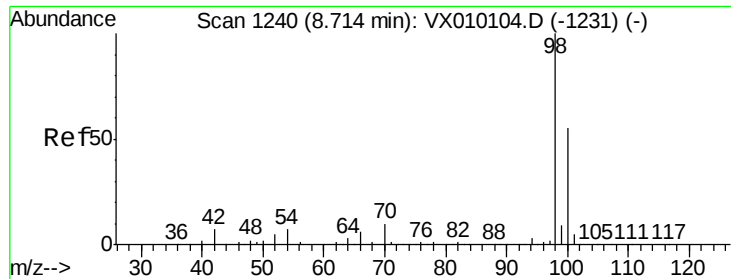
Tot Ion:113 Resp: 137988
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.2
 192 23.4 17.1 25.7



#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

Tgt Ion:130 Resp: 25967
 Ion Ratio Lower Upper
 130 100
 95 87.2 0.0 207.4





#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 :

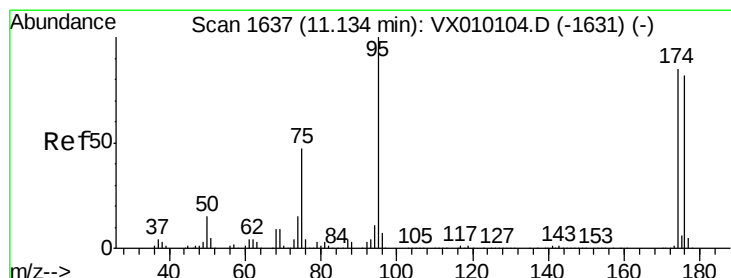
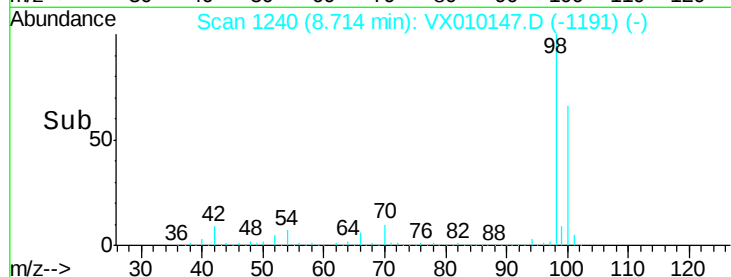
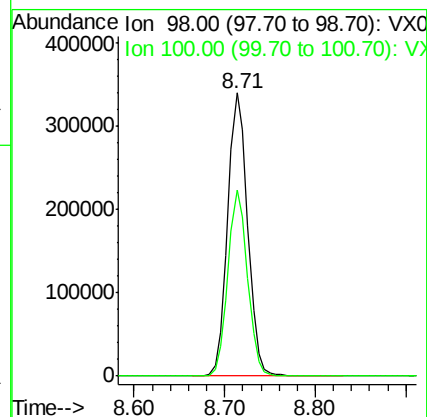
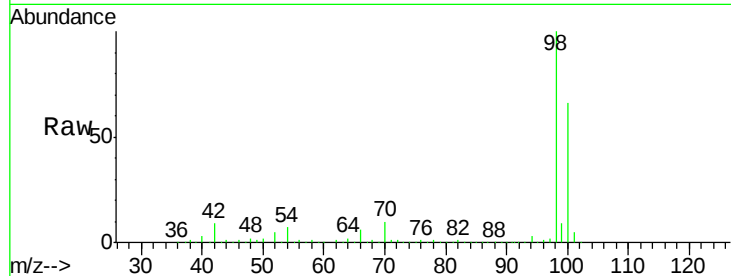
BP-HN-MW24IR-20190606

Tot Ion: 98 Resp: 522804

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3



#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

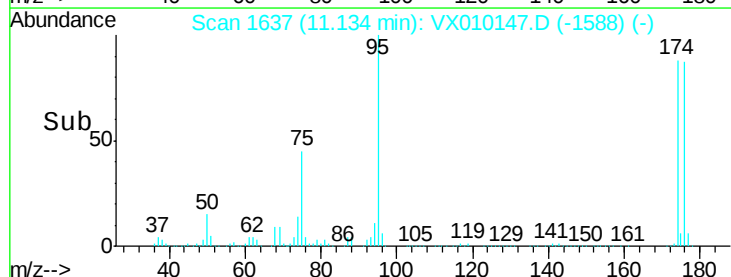
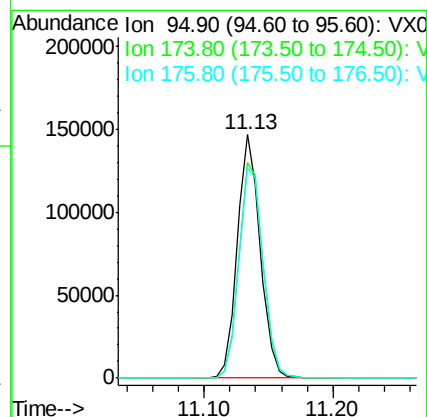
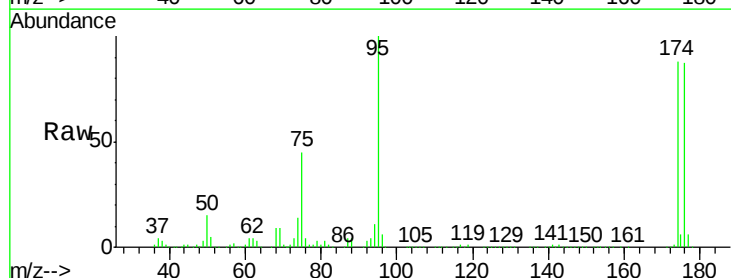
Tgt Ion: 95 Resp: 182090

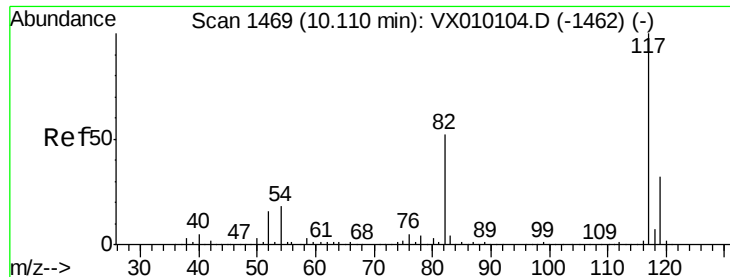
Ion Ratio Lower Upper

95 100

174 93.2 0.0 160.4

176 91.5 0.0 154.6

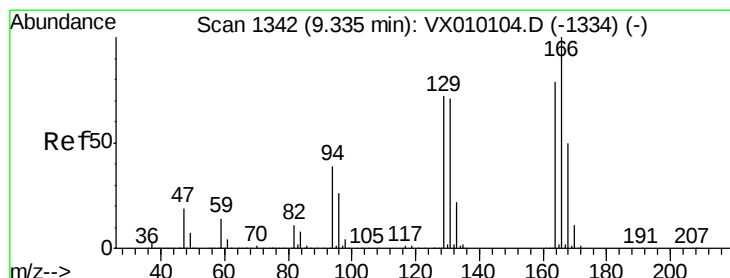
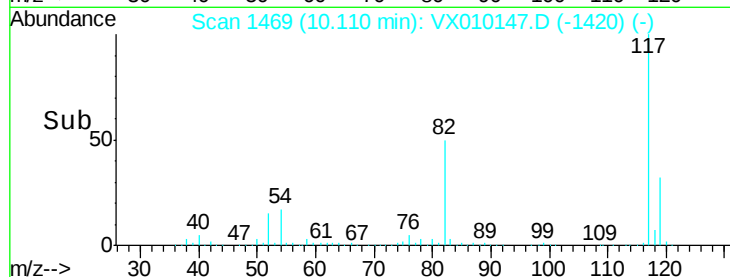
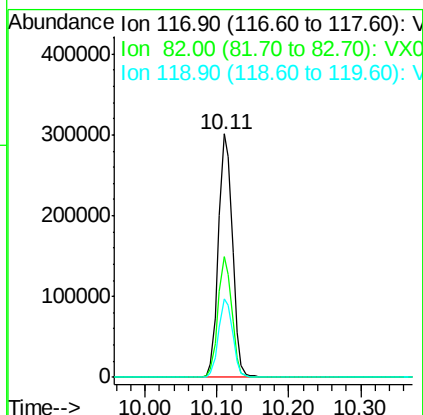
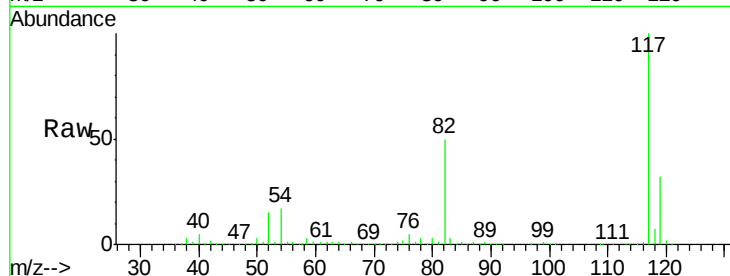




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010147.D
Acq: 08 Jun 2019 18:40

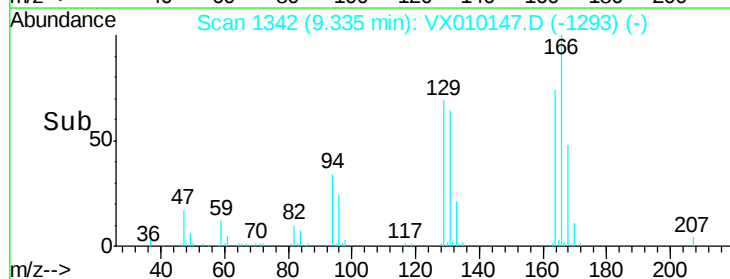
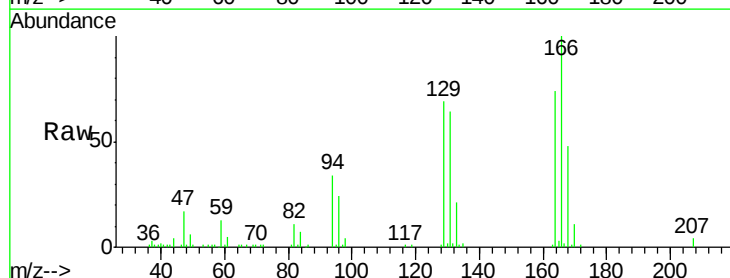
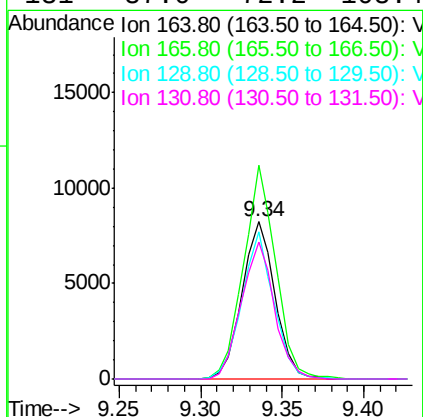
Instrument :
MSVOA_X
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BP-HN-MW24IR-20190606

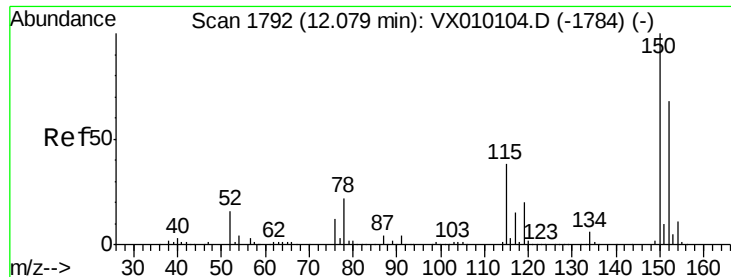
Tot Ion:117 Resp: 405151
Ion Ratio Lower Upper
117 100
82 49.7 49.2 73.8
119 32.3 25.2 37.8



#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

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





#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

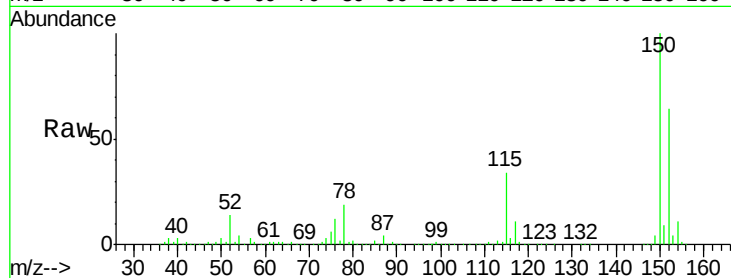
Acq: 08 Jun 2019 18:40

Instrument :

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ClientSampleId :

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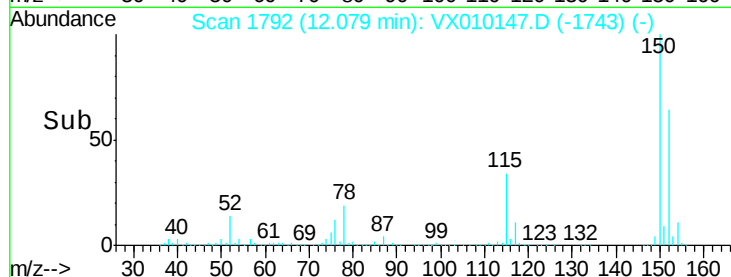
Tot Ion:152 Resp: 187352

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

