

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010148.D
 Acq On : 08 Jun 2019 19:03
 Operator : JC/SP
 Sample : K3249-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

Quant Time: Jun 10 08:43:14 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

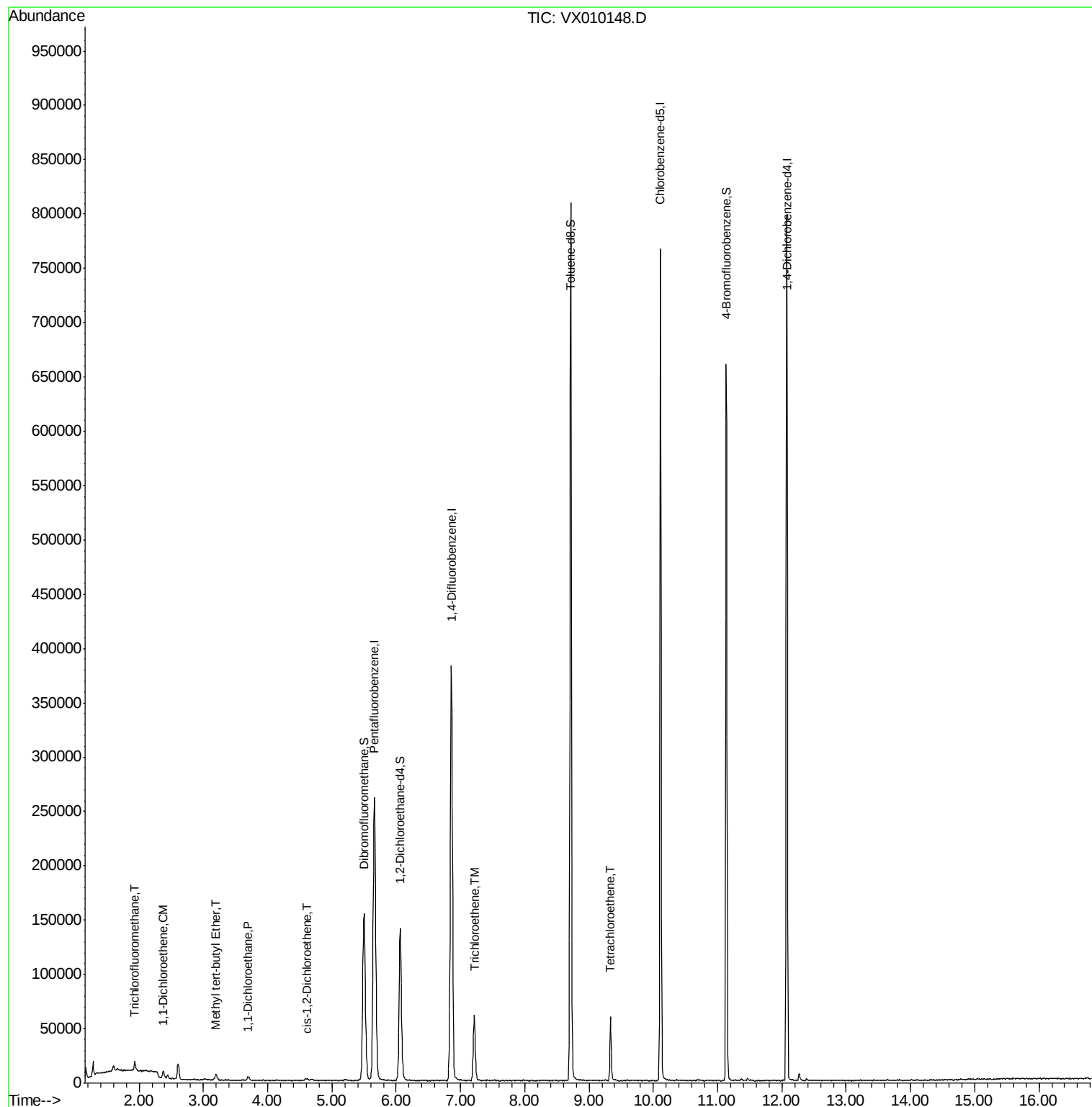
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	286077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	430337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	385614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182194	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	127083	45.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.02%	
35) Dibromofluoromethane	5.50	113	132644	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	8.71	98	499105	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	173774	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.93	101	5254	1.440	ug/l	99
12) 1,1-Dichloroethene	2.37	96	2212	0.861	ug/l #	69
19) Methyl tert-butyl Ether	3.20	73	6699	0.811	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	3338	0.741	ug/l #	81
27) cis-1,2-Dichloroethene	4.61	96	1522	0.481	ug/l	66
44) Trichloroethene	7.21	130	25183	7.696	ug/l	92
64) Tetrachloroethene	9.34	164	11819	4.127	ug/l	98

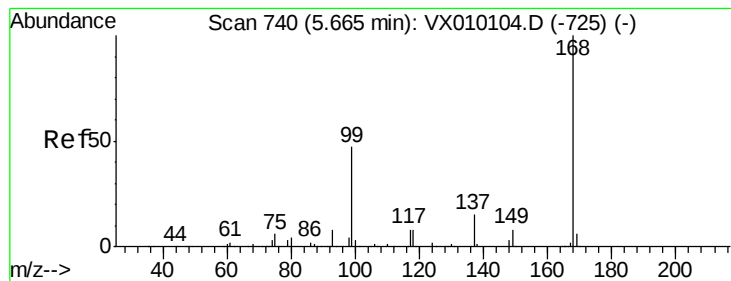
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060819\
Data File : VX010148.D
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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

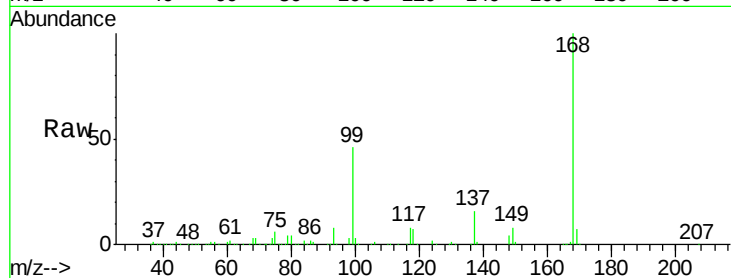
BP-DUP05-20190606

Tot Ion:168 Resp: 286077

Ion Ratio Lower Upper

168 100

99 46.4 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

100000

80000

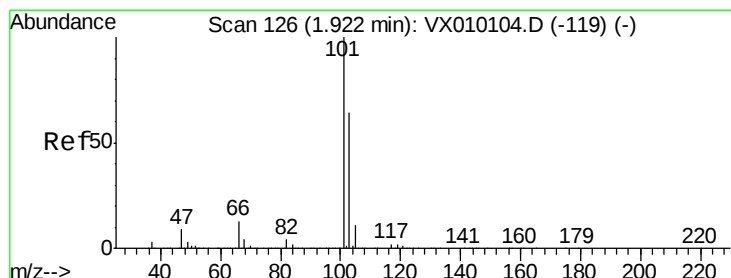
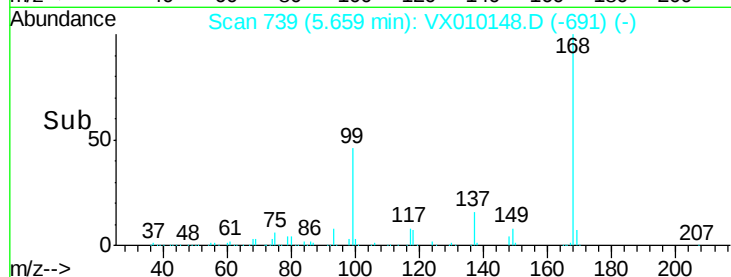
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#7

Trichlorofluoromethane

Concen: 1.440 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX010148.D

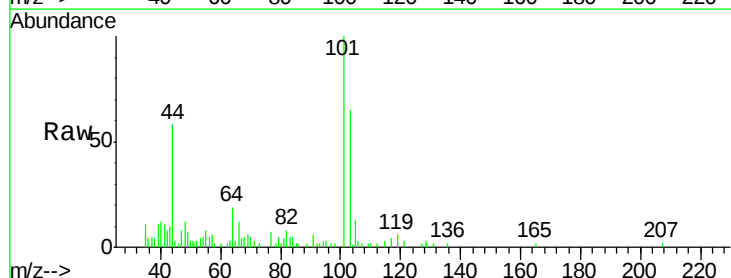
Acq: 08 Jun 2019 19:03

Tgt Ion:101 Resp: 5254

Ion Ratio Lower Upper

101 100

103 64.9 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

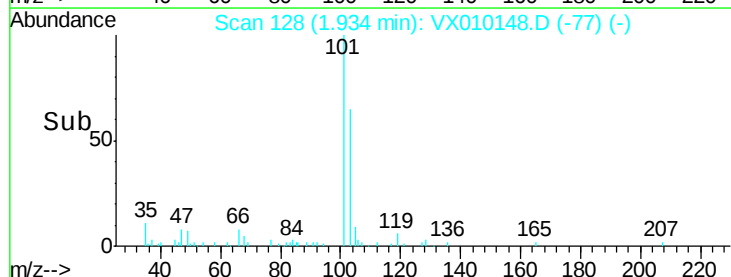
3000

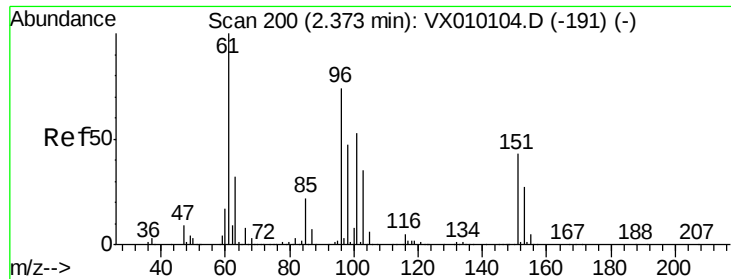
2000

1000

0

Time--> 1.85 1.90 1.95 2.00





#12

1,1-Dichloroethene

Concen: 0.861 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP05-20190606

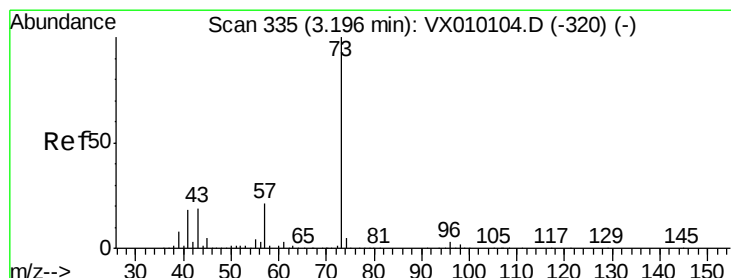
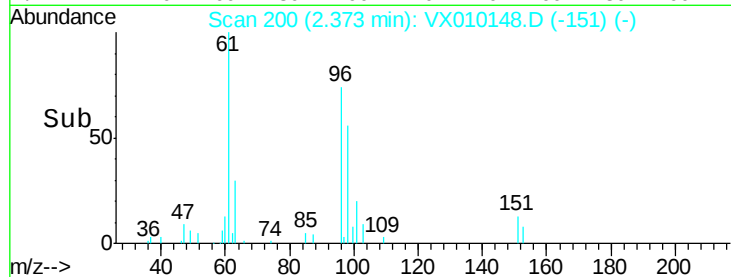
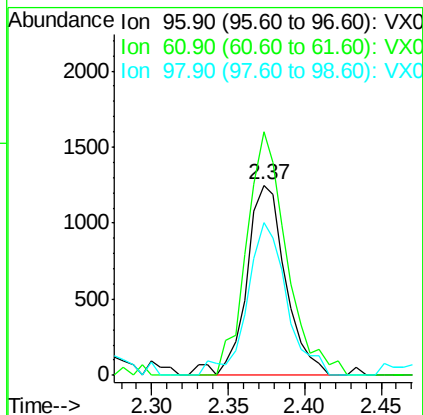
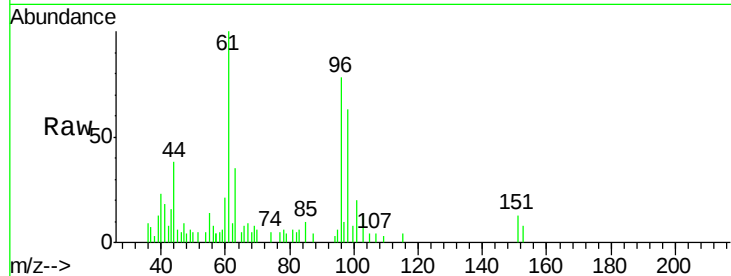
Tot Ion: 96 Resp: 2212

Ion Ratio Lower Upper

96 100

61 127.9 140.7 211.1#

98 80.1 50.1 75.1#



#19

Methyl tert-butyl Ether

Concen: 0.811 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX010148.D

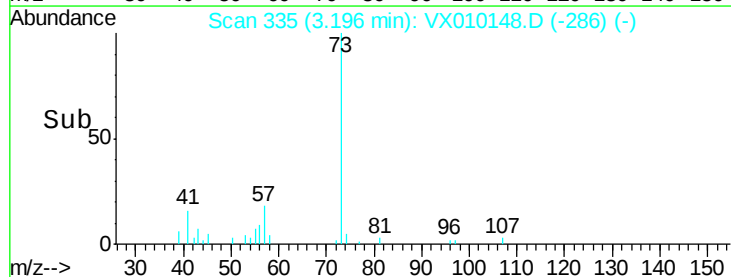
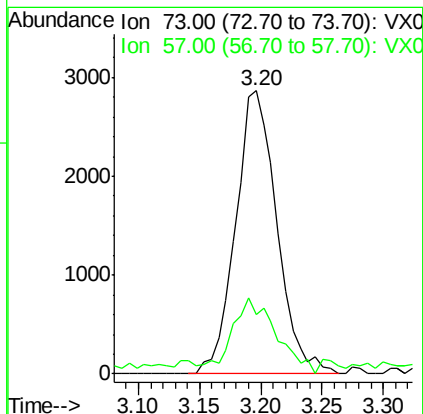
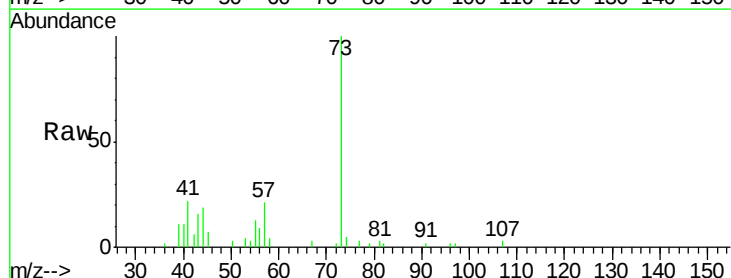
Acq: 08 Jun 2019 19:03

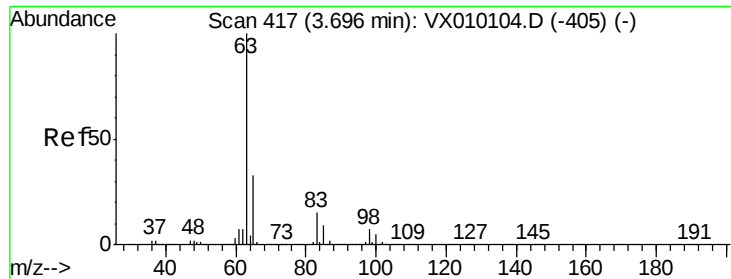
Tgt Ion: 73 Resp: 6699

Ion Ratio Lower Upper

73 100

57 18.0 19.4 29.2#





#24

1,1-Dichloroethane

Concen: 0.741 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP05-20190606

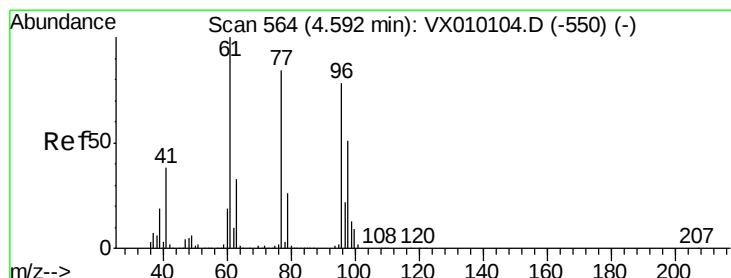
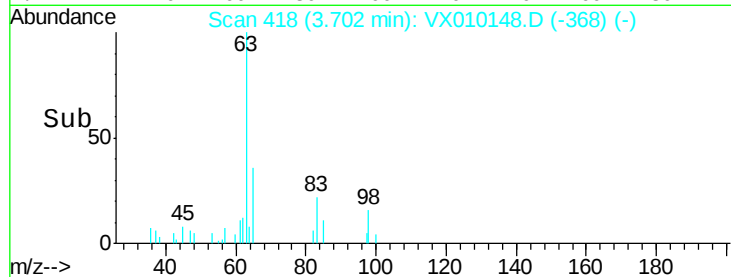
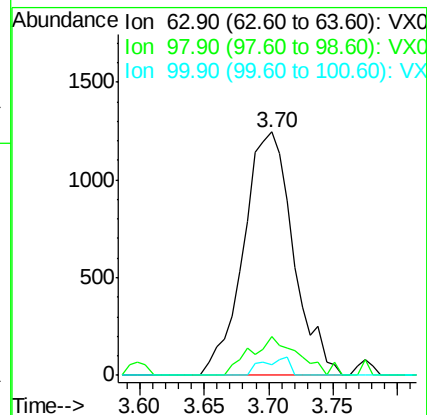
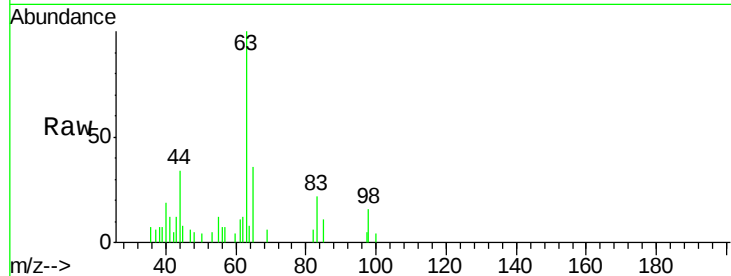
Tot Ion: 63 Resp: 3338

Ion Ratio Lower Upper

63 100

98 15.8 2.9 8.8#

100 4.3 1.8 5.4



#27

cis-1,2-Dichloroethene

Concen: 0.481 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.02 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

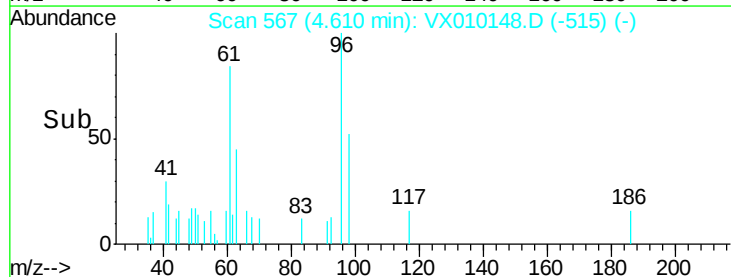
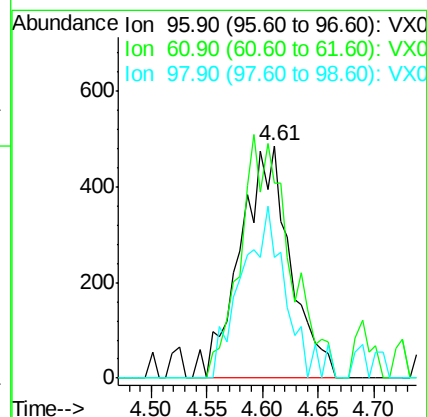
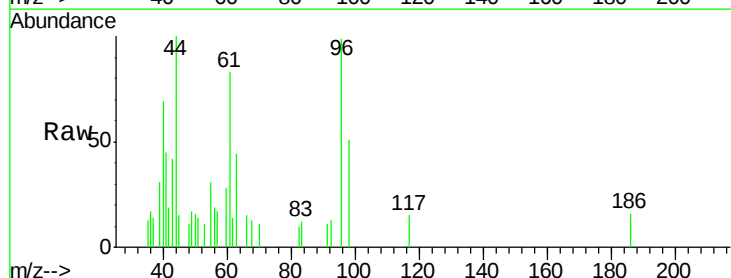
Tgt Ion: 96 Resp: 1522

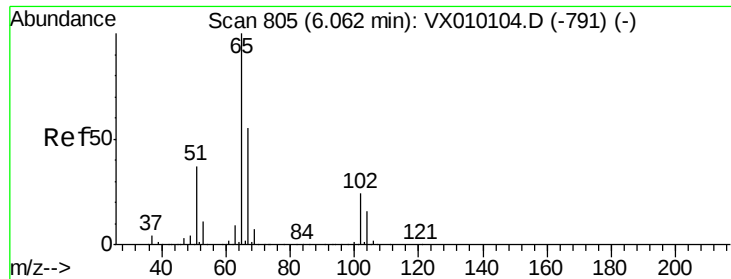
Ion Ratio Lower Upper

96 100

61 102.6 0.0 334.0

98 65.0 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 45.510 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

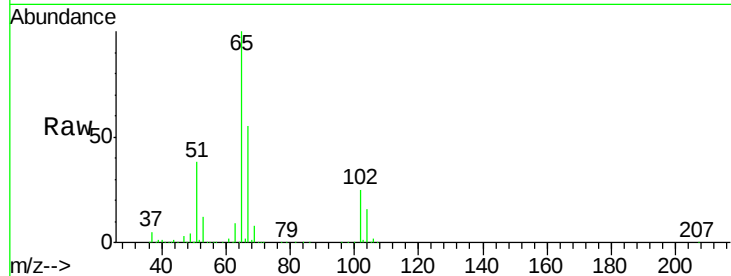
BP-DUP05-20190606

Tot Ion: 65 Resp: 127083

Ion Ratio Lower Upper

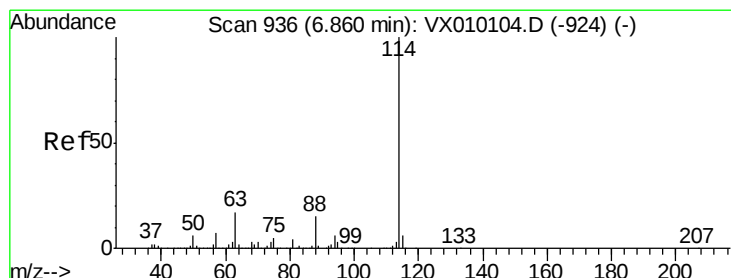
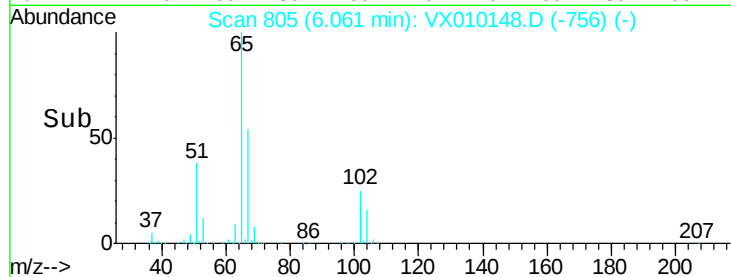
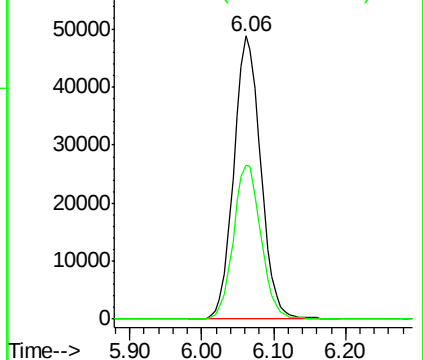
65 100

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: VX010148.D

Acq: 08 Jun 2019 19:03

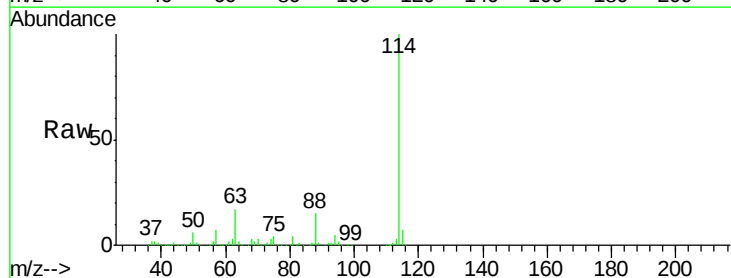
Tgt Ion: 114 Resp: 430337

Ion Ratio Lower Upper

114 100

63 16.6 0.0 47.4

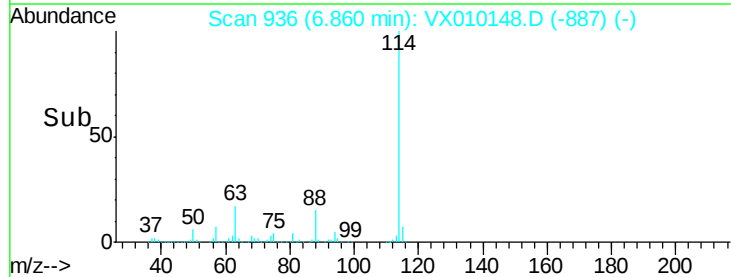
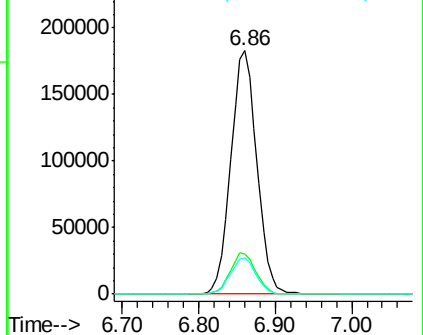
88 14.8 0.0 33.0

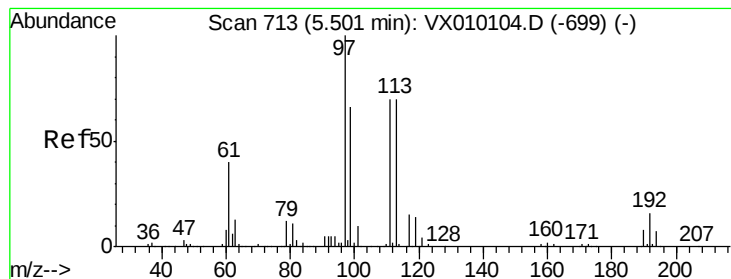


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.971 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP05-20190606

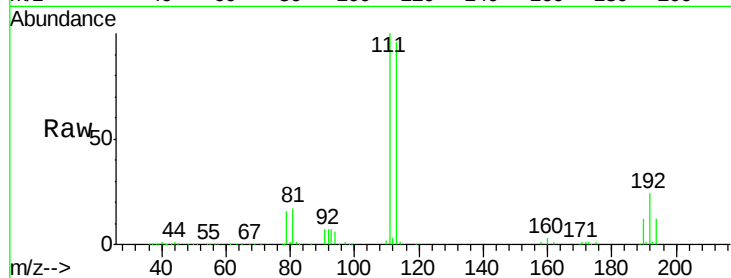
Tot Ion:113 Resp: 132644

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

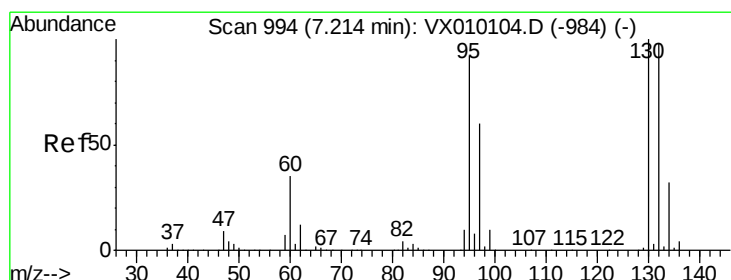
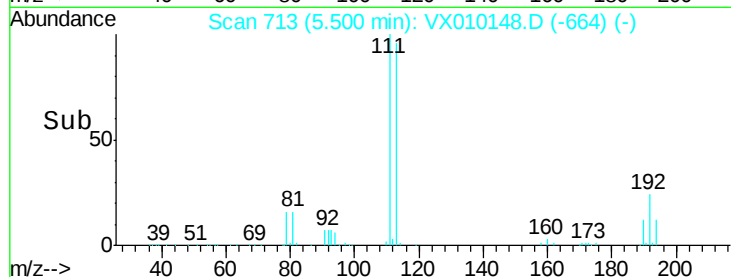
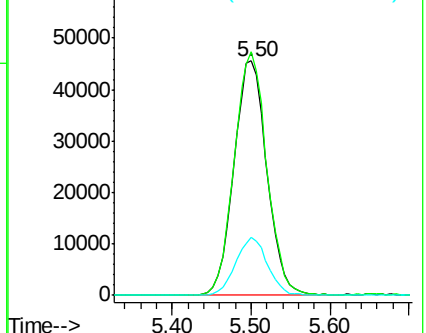
192 23.8 17.1 25.7



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



#44

Trichloroethene

Concen: 7.696 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010148.D

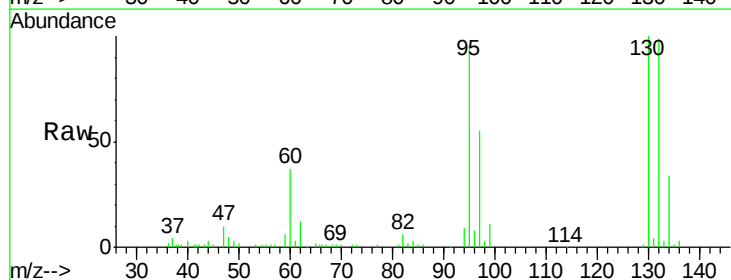
Acq: 08 Jun 2019 19:03

Tgt Ion:130 Resp: 25183

Ion Ratio Lower Upper

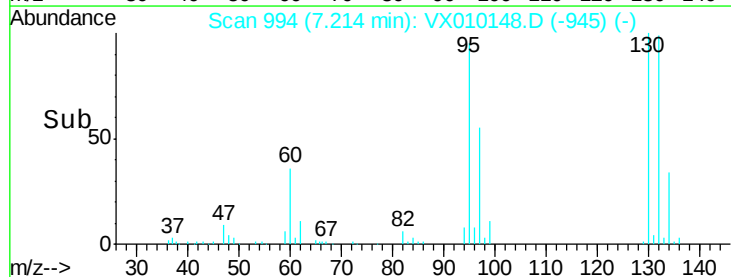
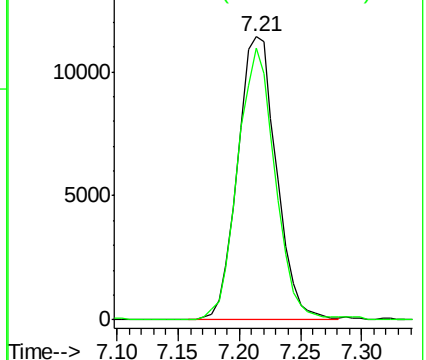
130 100

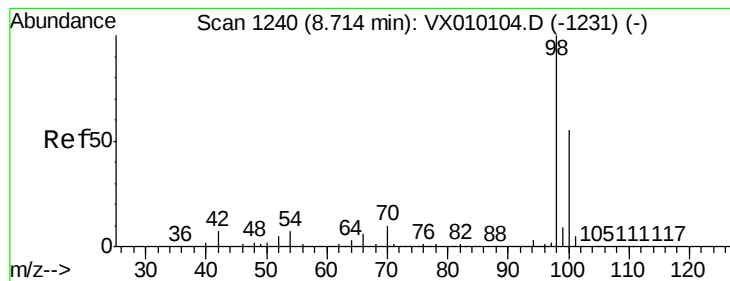
95 96.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.170 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

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ClientSampleId :

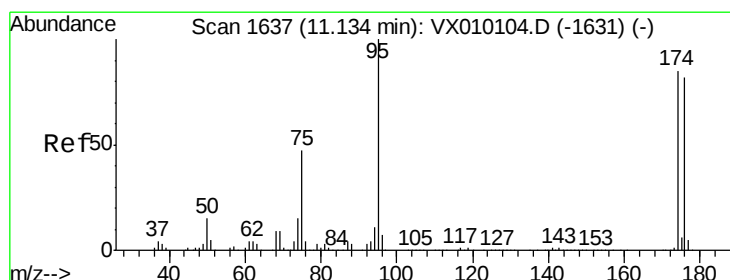
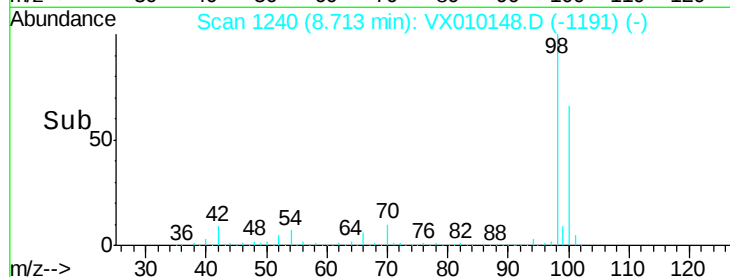
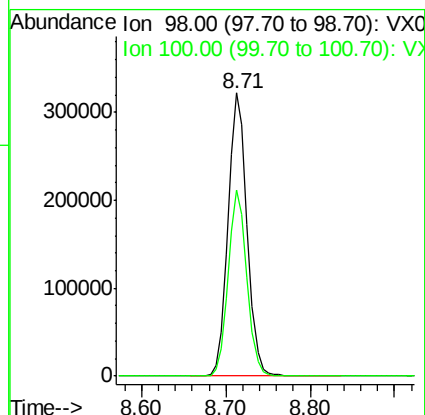
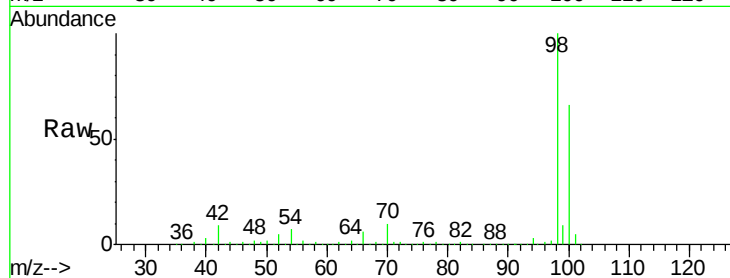
BP-DUP05-20190606

Tot Ion: 98 Resp: 499105

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 46.773 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

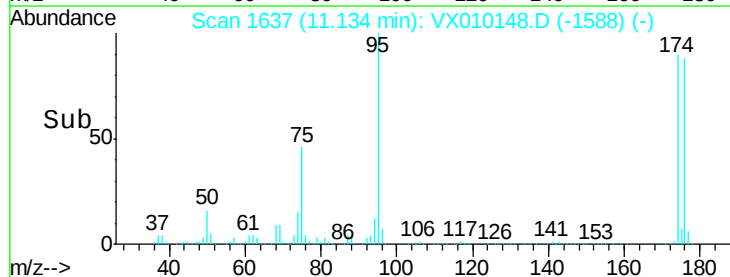
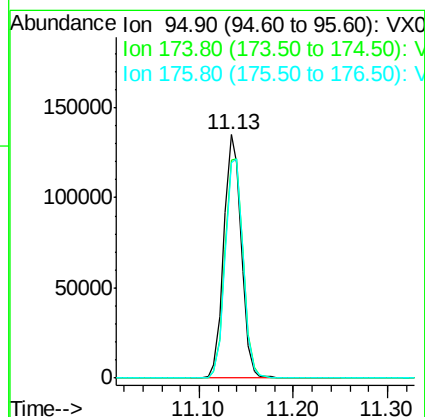
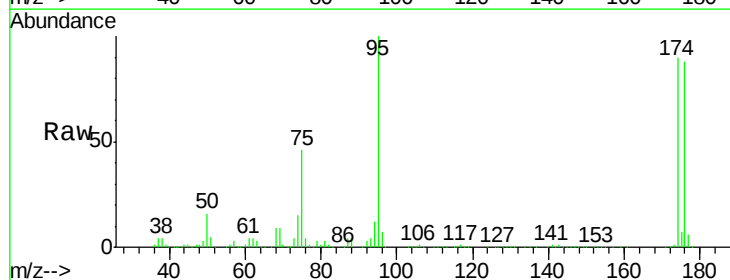
Tgt Ion: 95 Resp: 173774

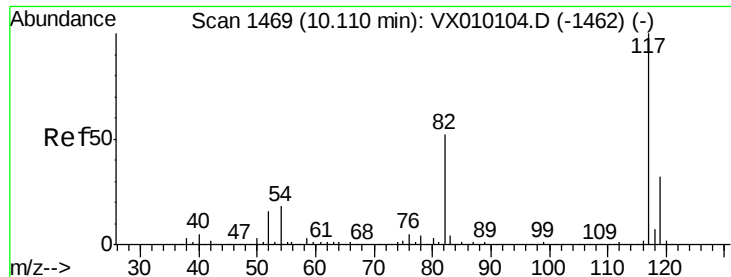
Ion Ratio Lower Upper

95 100

174 93.6 0.0 160.4

176 91.7 0.0 154.6

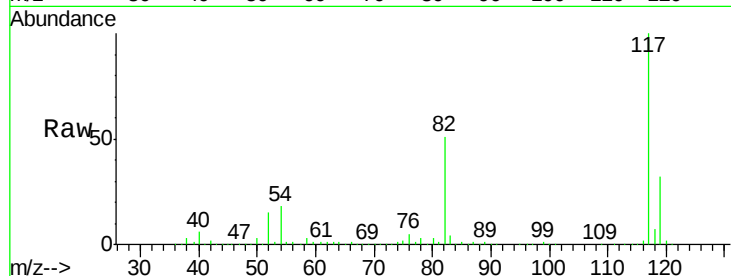




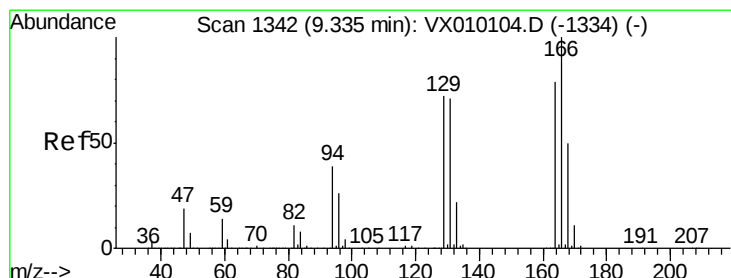
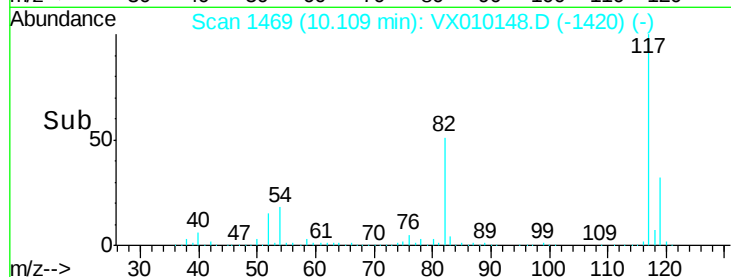
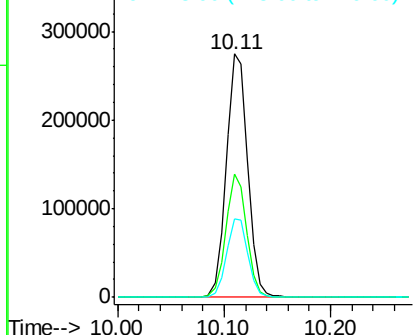
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP05-20190606

Tot Ion:117 Resp: 385614
Ion Ratio Lower Upper
117 100
82 50.9 49.2 73.8
119 32.2 25.2 37.8

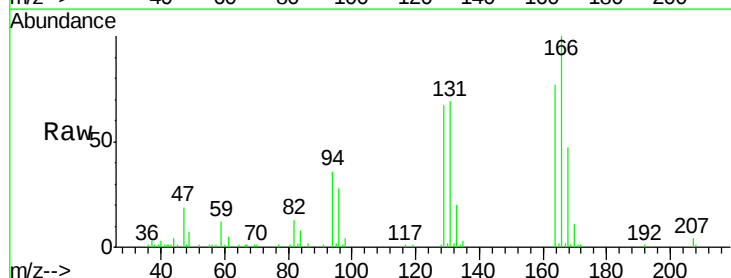


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

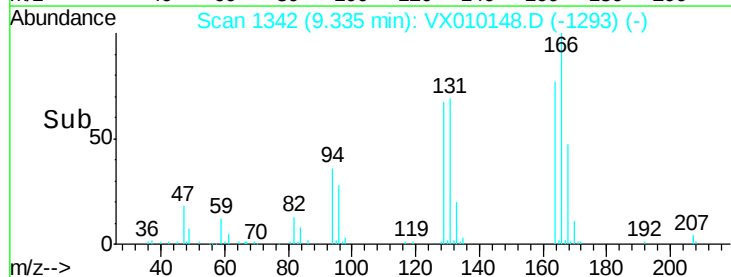
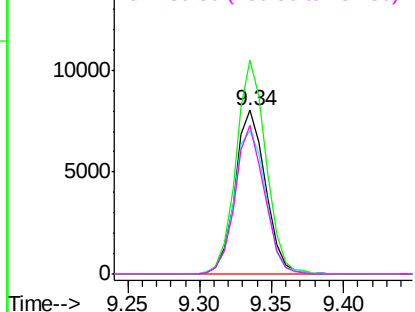


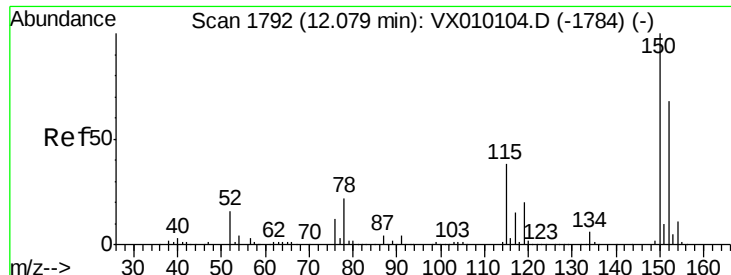
#64
Tetrachloroethene
Concen: 4.127 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

Tgt Ion:164 Resp: 11819
Ion Ratio Lower Upper
164 100
166 130.6 105.0 157.4
129 87.5 75.1 112.7
131 90.5 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: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP05-20190606

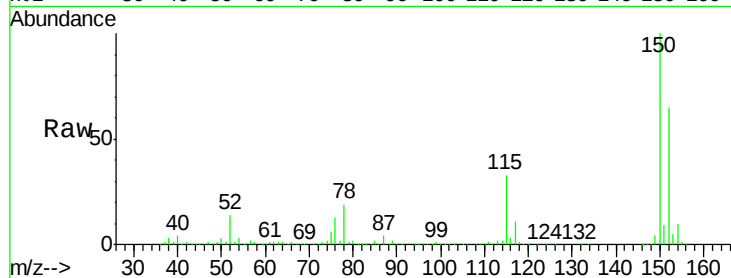
Tot Ion:152 Resp: 182194

Ion Ratio Lower Upper

152 100

115 53.4 41.4 124.2

150 156.9 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

