

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010178.D
 Acq On : 10 Jun 2019 15:22
 Operator : JC/SP
 Sample : K3249-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190606

Quant Time: Jun 11 02:38:01 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	261661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166038	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	117982	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	5.49	113	122780	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.71	98	459441	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	156721	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	640	0.755	ug/l #	29
6) Chloroethane	1.68	64	387	0.342	ug/l #	65
10) Methyl Iodide	2.52	142	770	0.216	ug/l #	81
11) Tert butyl alcohol	3.01	59	382	0.611	ug/l #	44
13) Acrolein	2.28	56	64	0.561	ug/l #	14
15) Acrylonitrile	3.15	53	394	0.308	ug/l	92
16) Acetone	2.44	43	2942	2.449	ug/l #	79
17) Carbon Disulfide	2.57	76	1595	0.235	ug/l #	82
36) 1,1-Dichloropropene	5.66	75	16134	4.979	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22513	6.138	ug/l #	15
44) Trichloroethene	7.22	130	787	0.261	ug/l	66
76) 1,2,3-Trichloropropane	11.13	75	71832	21.629	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71832	47.788	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

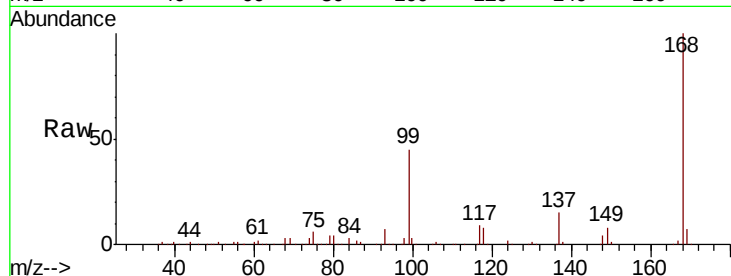
BP-DUP03-20190606

Tot Ion:168 Resp: 261661

Ion Ratio Lower Upper

168 100

99 45.2 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

100000

80000

60000

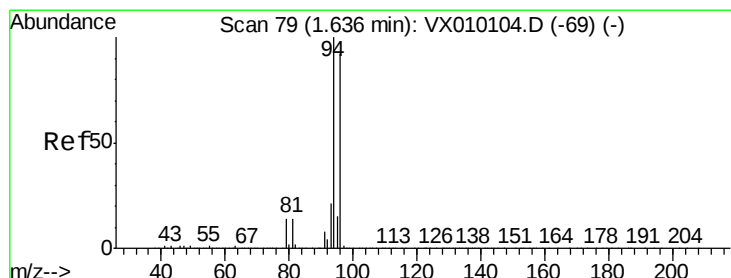
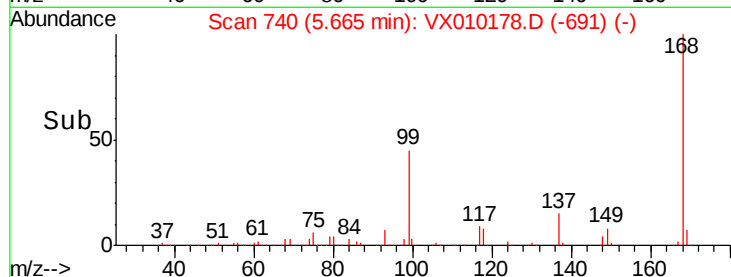
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.755 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010178.D

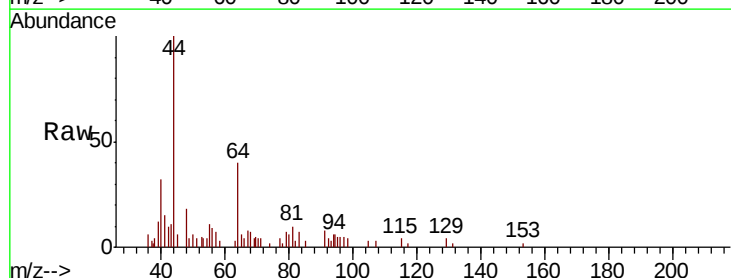
Acq: 10 Jun 2019 15:22

Tgt Ion: 94 Resp: 640

Ion Ratio Lower Upper

94 100

96 25.8 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

250

200

150

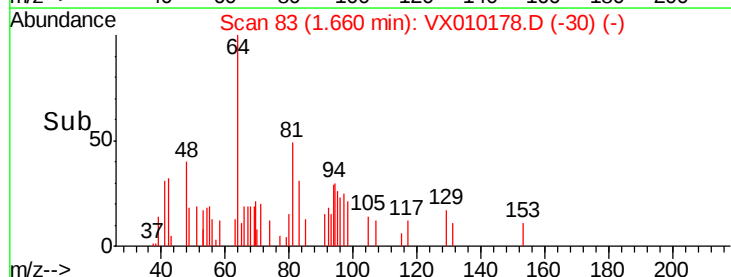
100

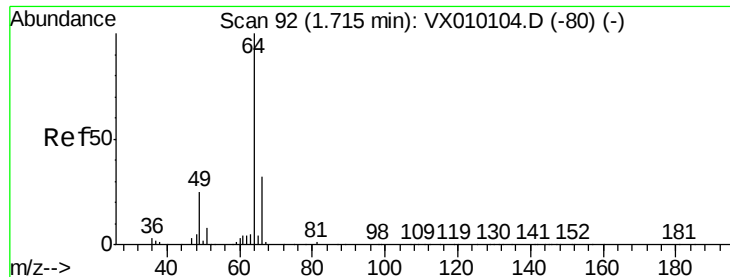
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.342 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

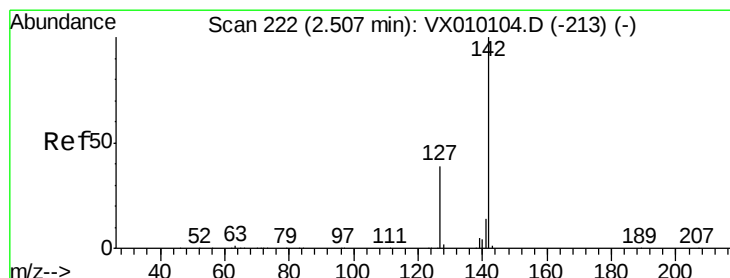
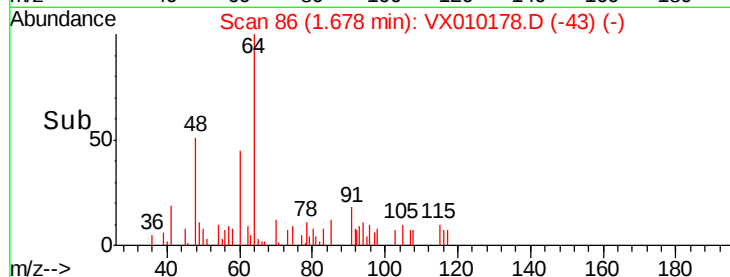
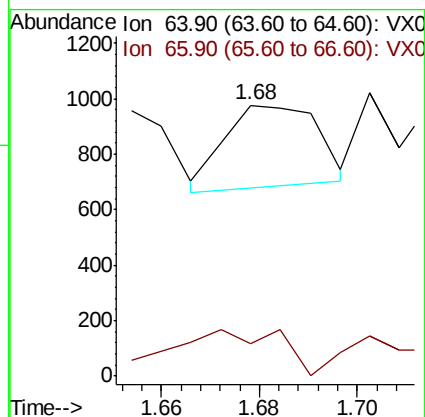
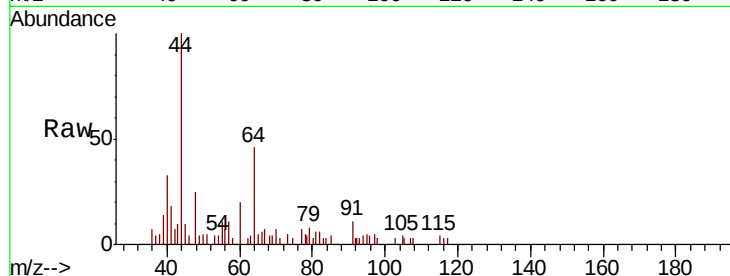
BP-DUP03-20190606

Tot Ion: 64 Resp: 387

Ion Ratio Lower Upper

64 100

66 12.1 25.1 37.7#



#10

Methyl Iodide

Concen: 0.216 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

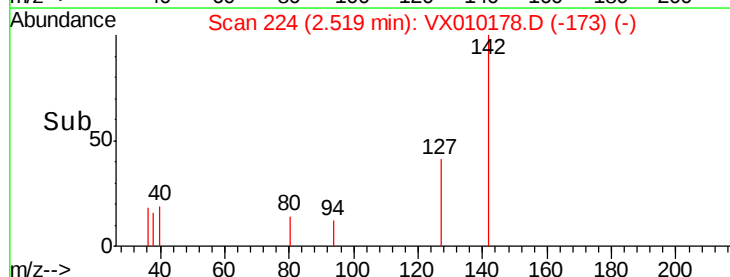
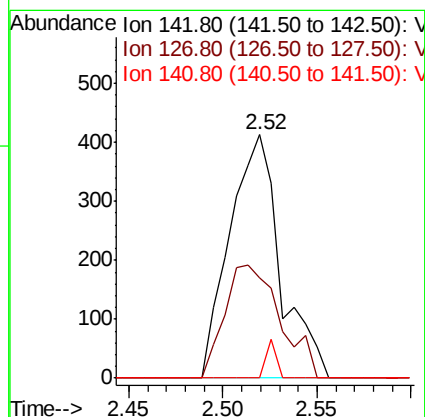
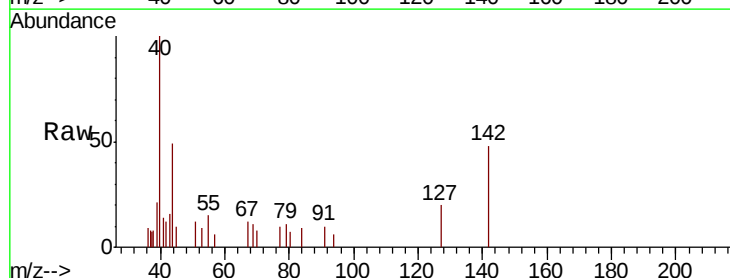
Tgt Ion: 142 Resp: 770

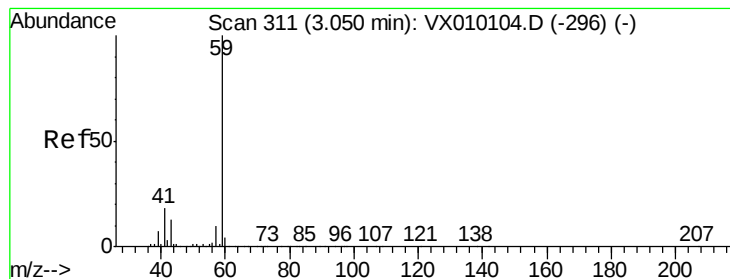
Ion Ratio Lower Upper

142 100

127 51.0 33.0 49.4#

141 3.1 11.4 17.0#



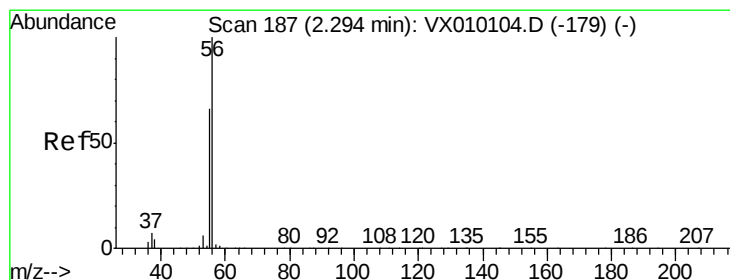
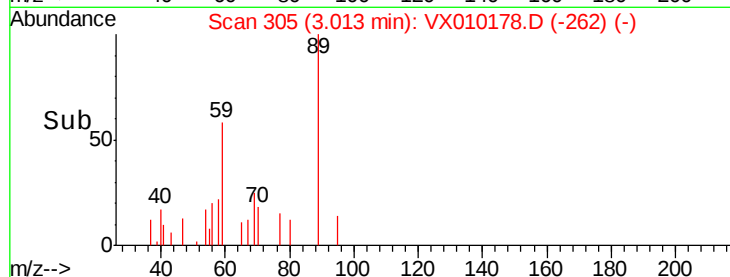
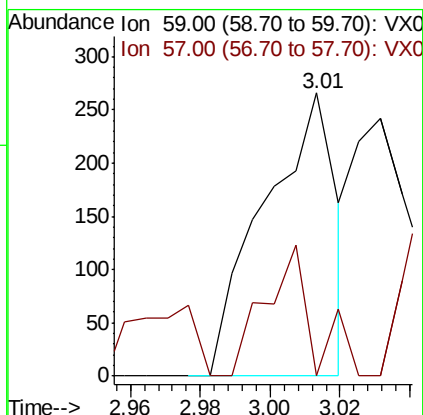
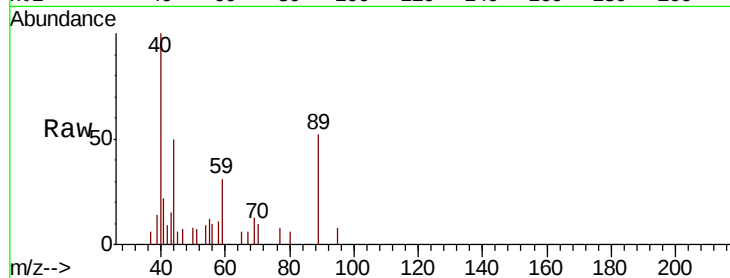


#11

Tert butyl alcohol
 Concen: 0.611 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010178.D
 Acq: 10 Jun 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190606

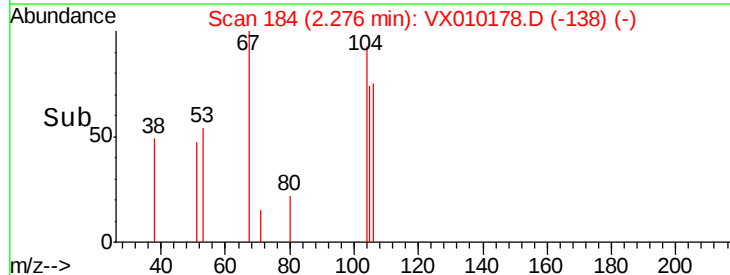
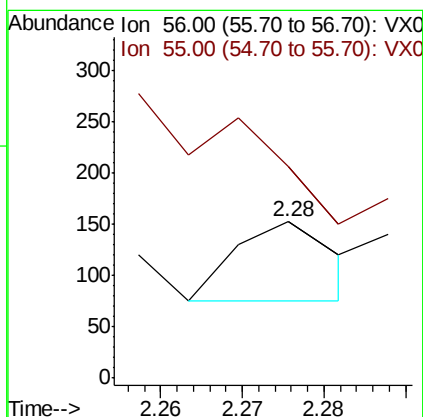
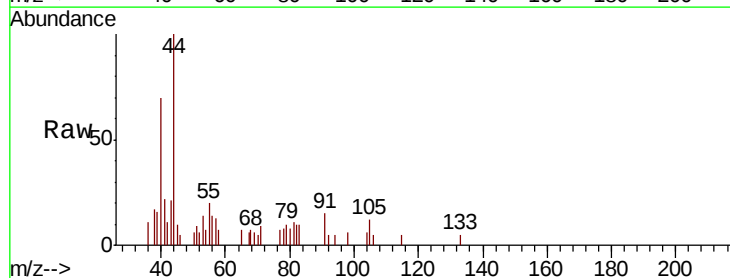
Tot Ion: 59 Resp: 382
 Ion Ratio Lower Upper
 59 100
 57 30.9 8.2 12.2#

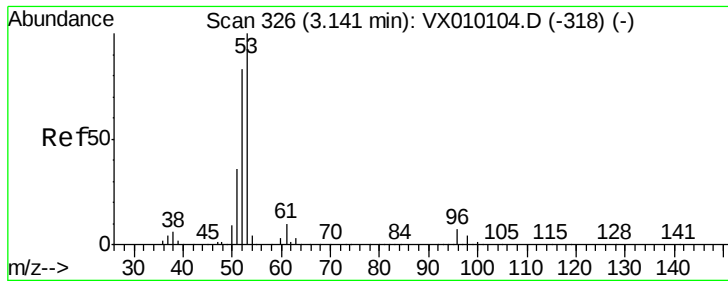


#13

Acrolein
 Concen: 0.561 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX010178.D
 Acq: 10 Jun 2019 15:22

Tgt Ion: 56 Resp: 64
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.308 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190606

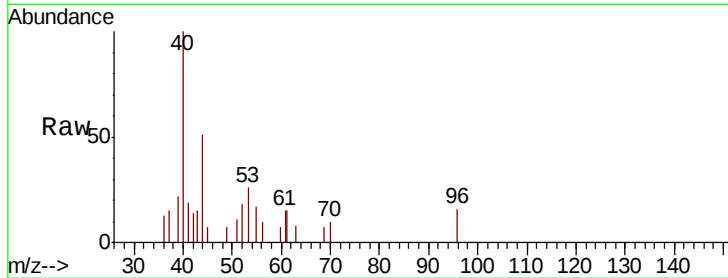
Tot Ion: 53 Resp: 394

Ion Ratio Lower Upper

53 100

52 76.4 66.7 100.1

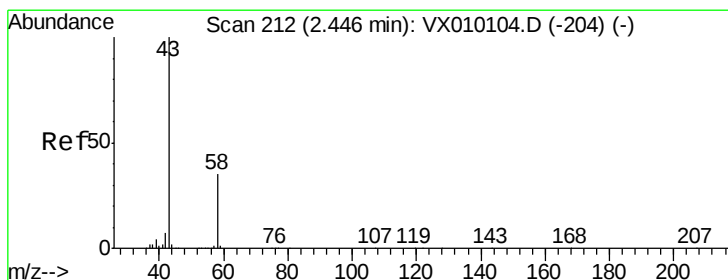
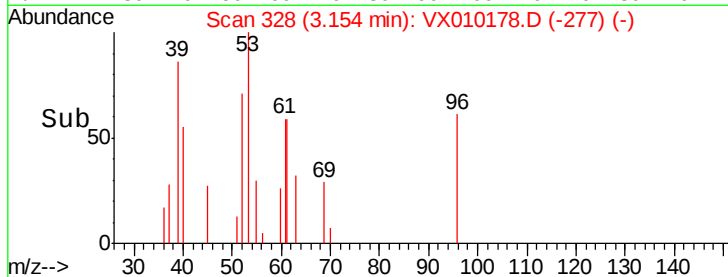
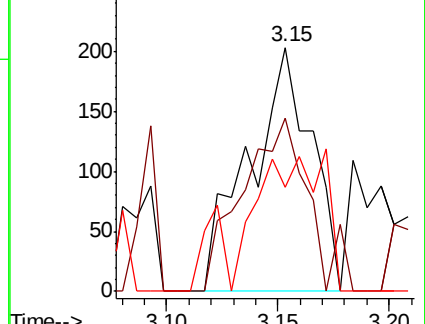
51 30.7 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.449 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010178.D

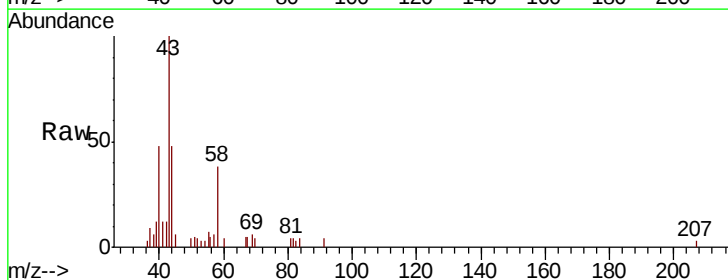
Acq: 10 Jun 2019 15:22

Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

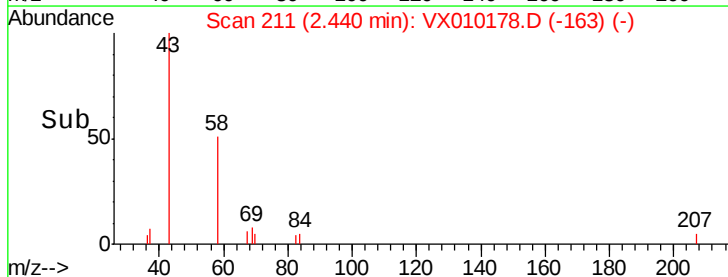
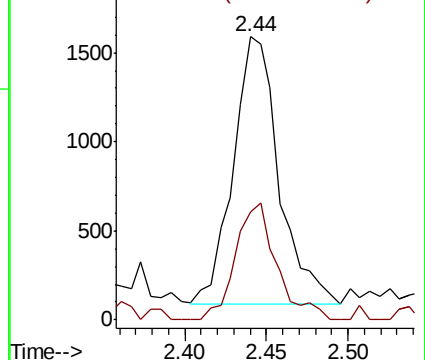
43 100

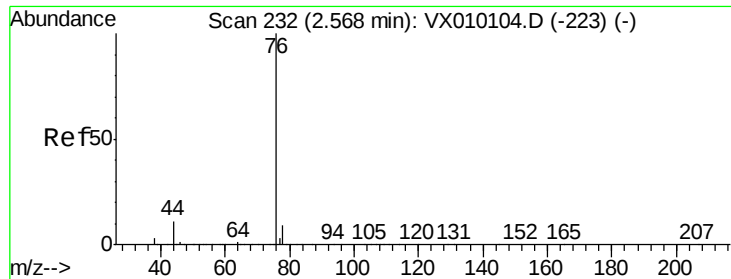
58 40.4 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

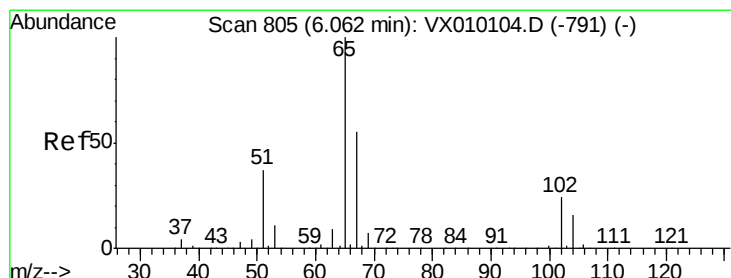
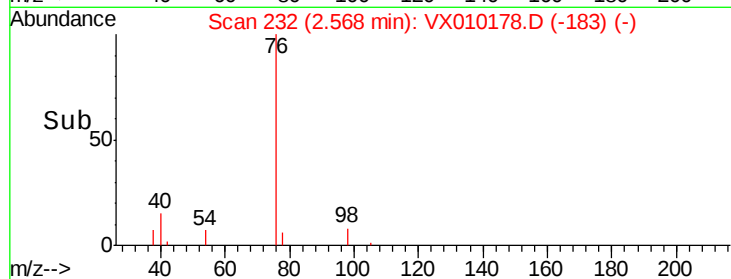
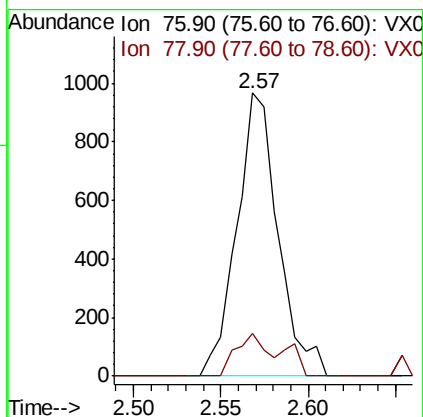
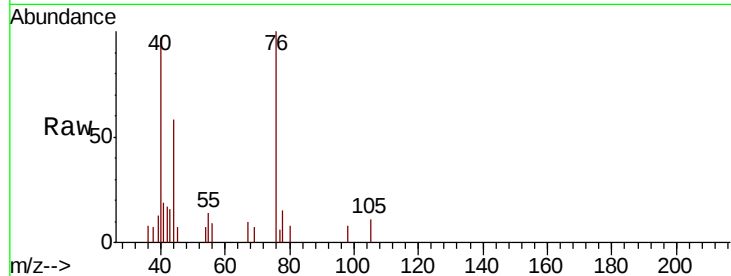




#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010178.D
Acq: 10 Jun 2019 15:22

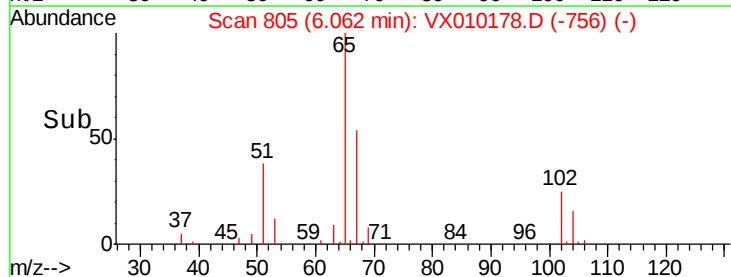
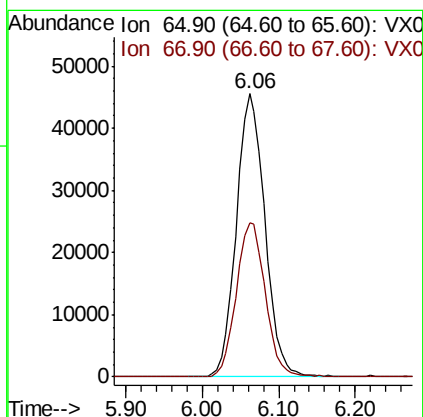
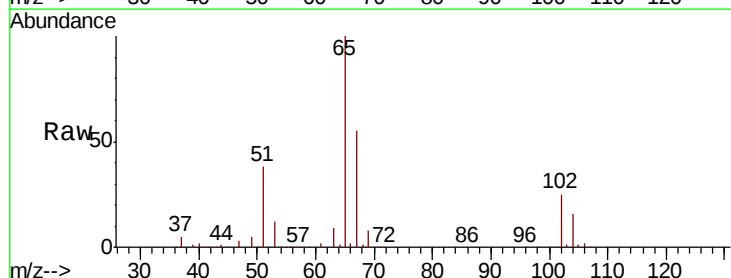
Instrument :
MSVOA_X
ClientSampleId :
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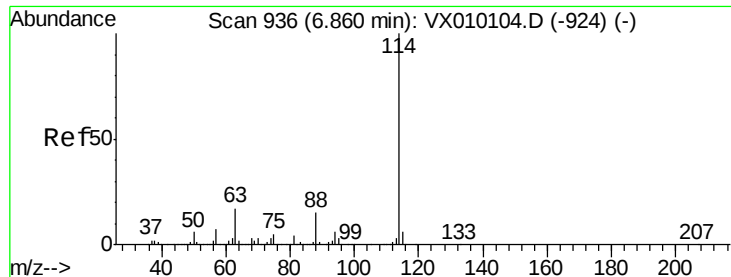
Tot Ion: 76 Resp: 1595
Ion Ratio Lower Upper
76 100
78 15.2 7.0 10.6#



#33
1,2-Dichloroethane-d4
Concen: 46.193 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010178.D
Acq: 10 Jun 2019 15:22

Tgt Ion: 65 Resp: 117982
Ion Ratio Lower Upper
65 100
67 55.4 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190606

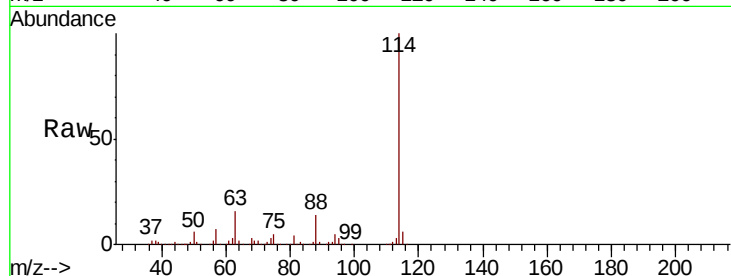
Tot Ion:114 Resp: 397211

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

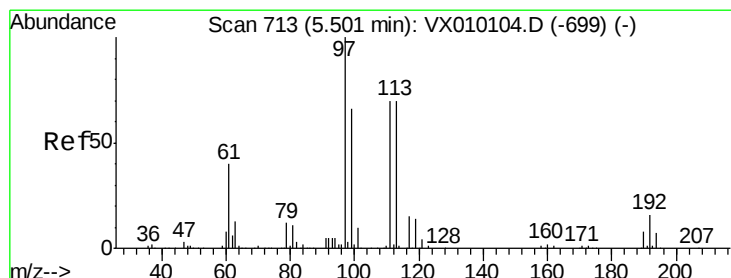
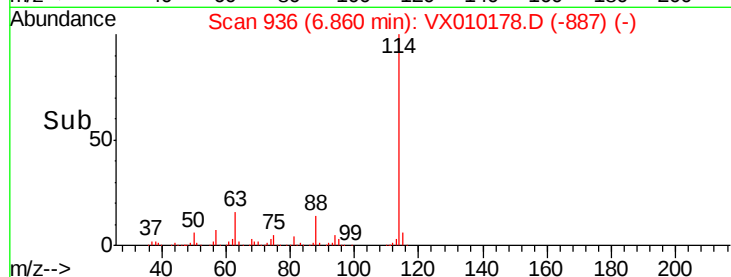
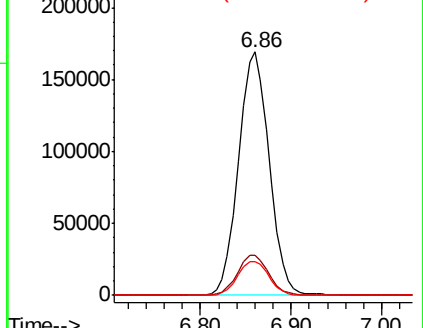
88 13.8 0.0 33.0



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: 50.112 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

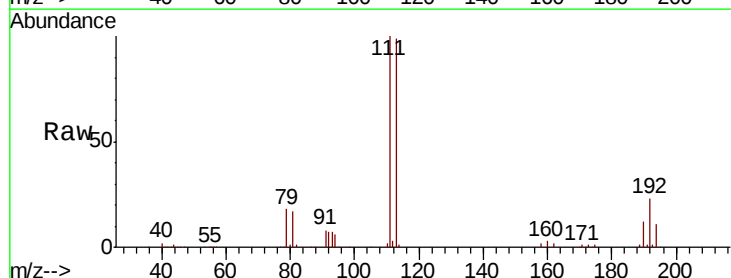
Tgt Ion:113 Resp: 122780

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

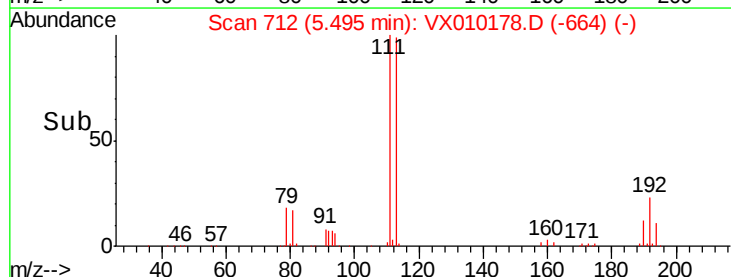
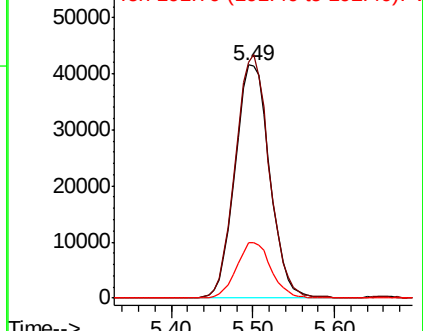
192 23.6 17.1 25.7

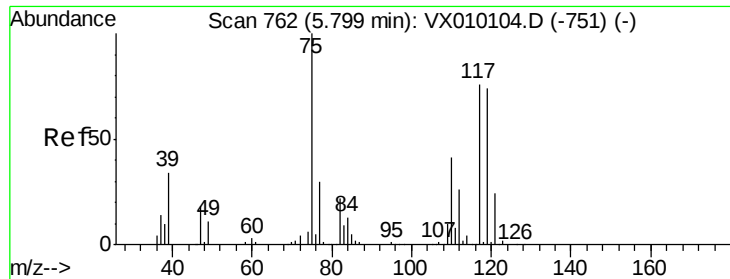


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

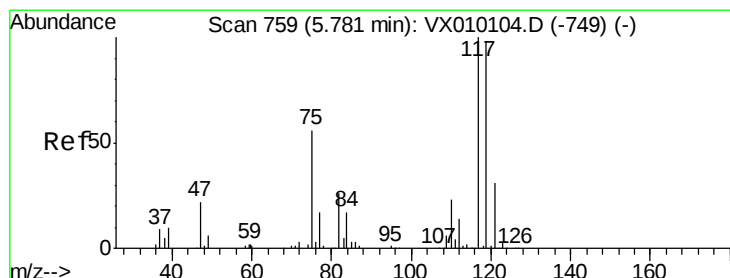
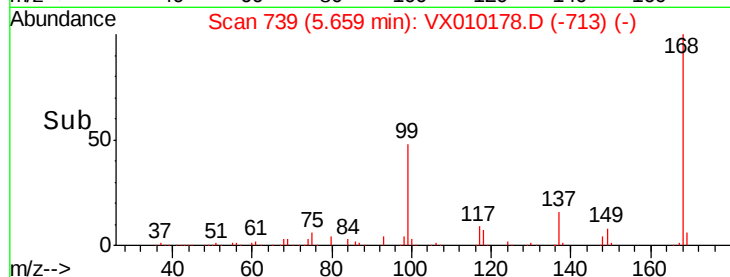
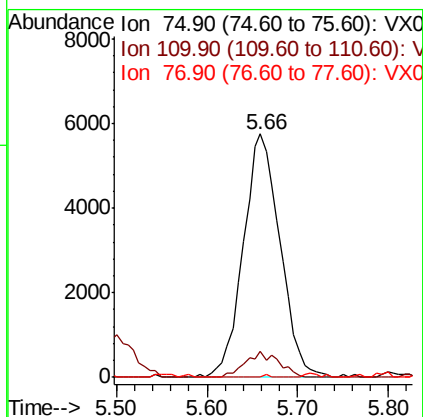
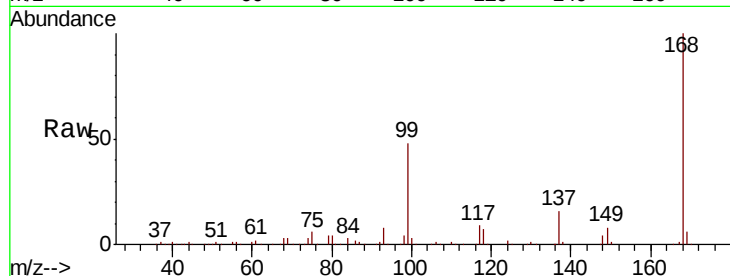




#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010178.D
 Acq: 10 Jun 2019 15:22

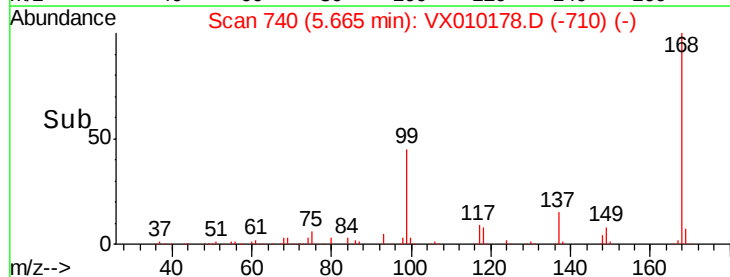
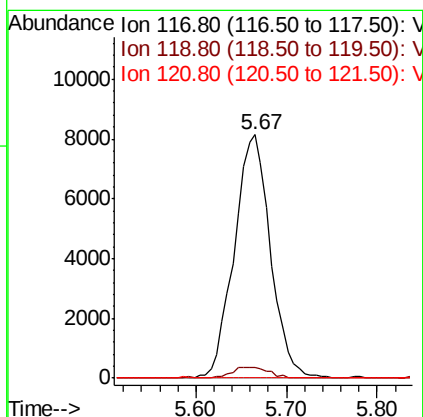
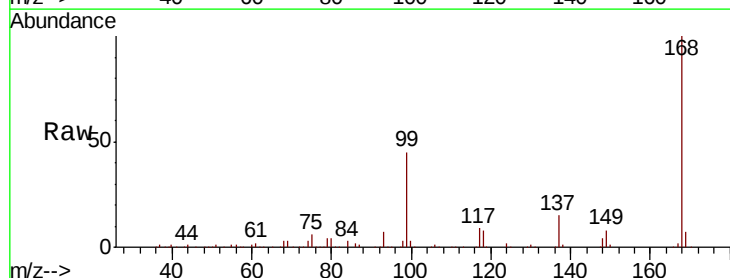
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP03-20190606

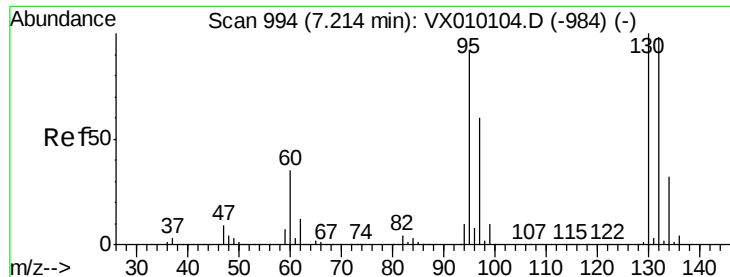
Tot Ion	75	Resp	16134
Ion Ratio	100	Lower	Upper
75	100		
110	9.6	16.7	50.1#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.138 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010178.D
 Acq: 10 Jun 2019 15:22

Tgt Ion	117	Resp	22513
Ion Ratio	100	Lower	Upper
117	100		
119	4.2	77.3	115.9#
121	0.0	25.4	38.0#





#44

Trichloroethene

Concen: 0.261 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

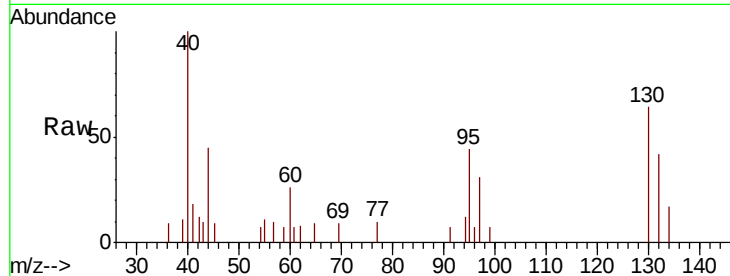
BP-DUP03-20190606

Tot Ion:130 Resp: 787

Ion Ratio Lower Upper

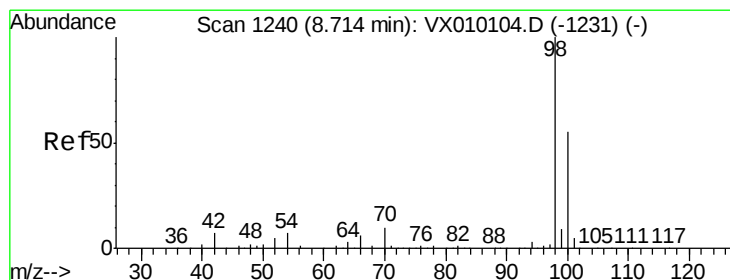
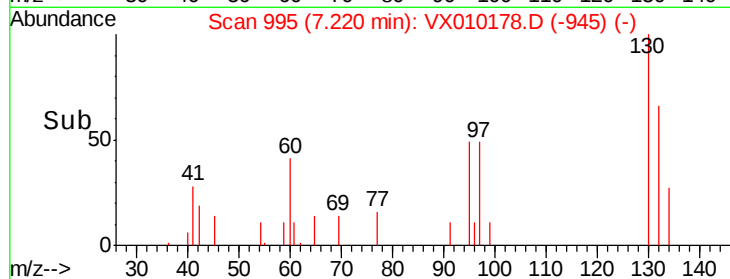
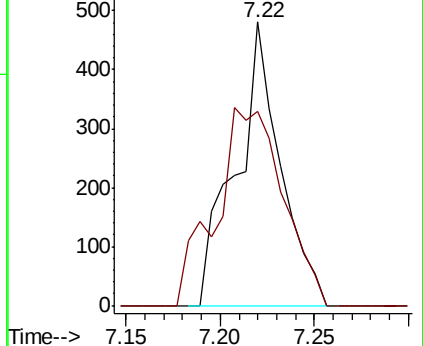
130 100

95 68.6 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: 50.034 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010178.D

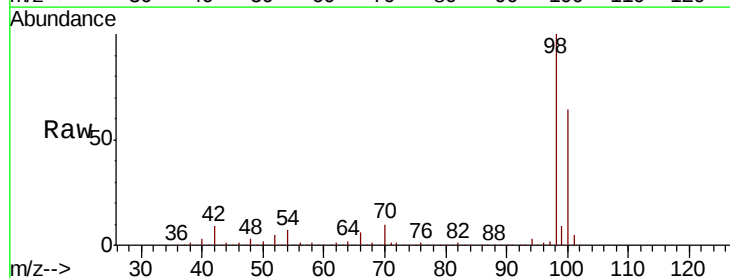
Acq: 10 Jun 2019 15:22

Tgt Ion: 98 Resp: 459441

Ion Ratio Lower Upper

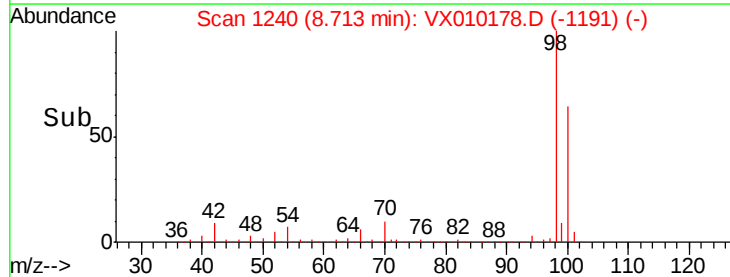
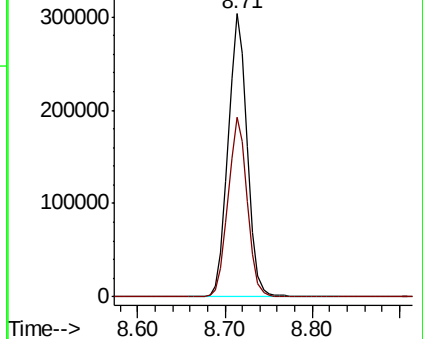
98 100

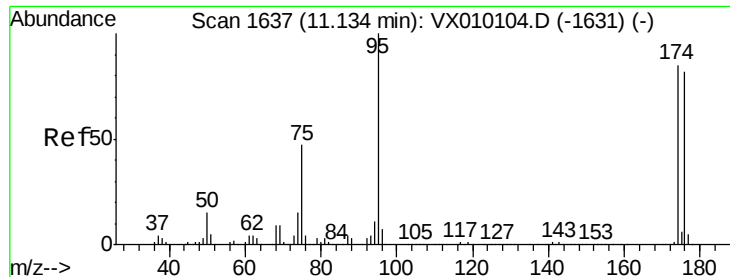
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

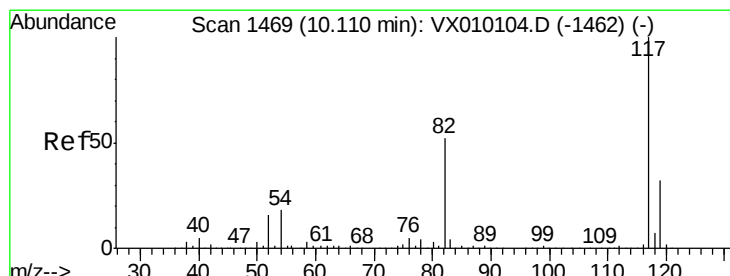
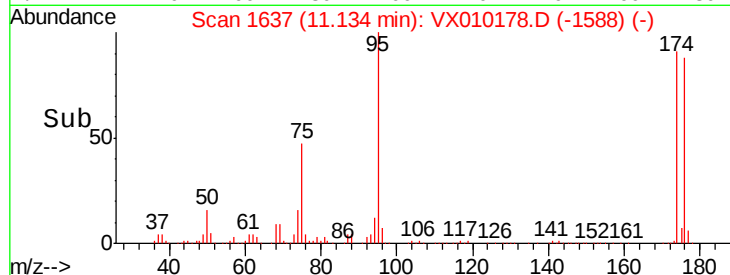
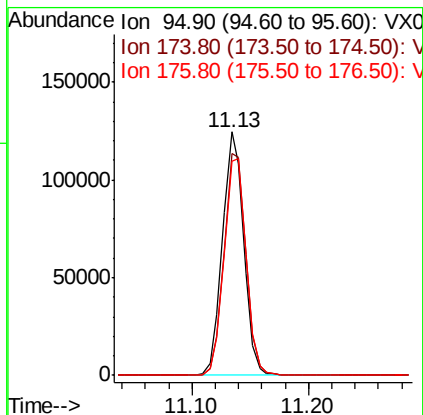
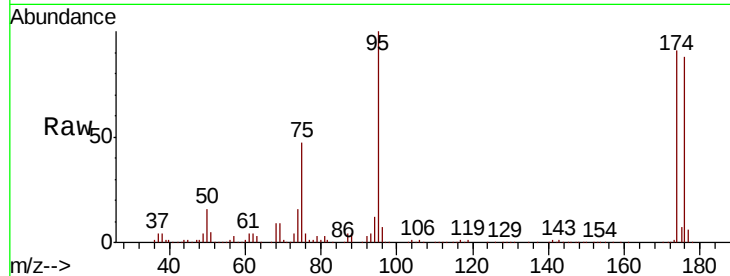




#62
4-Bromofluorobenzene
Concen: 45.700 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010178.D
Acq: 10 Jun 2019 15:22

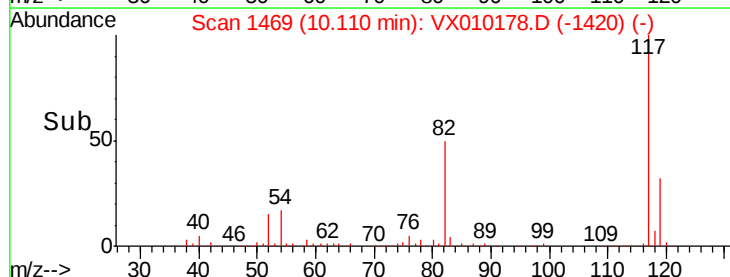
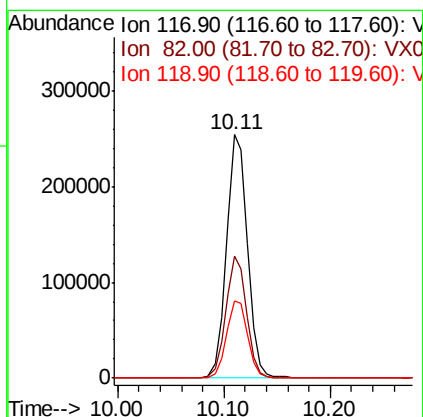
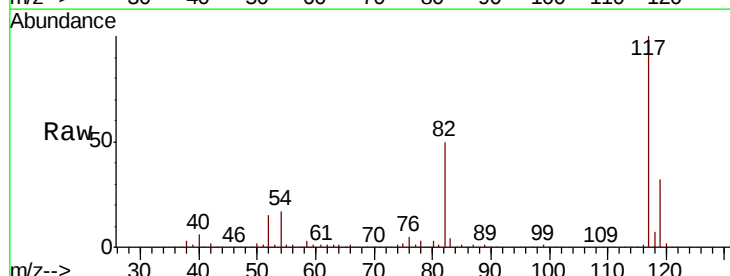
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP03-20190606

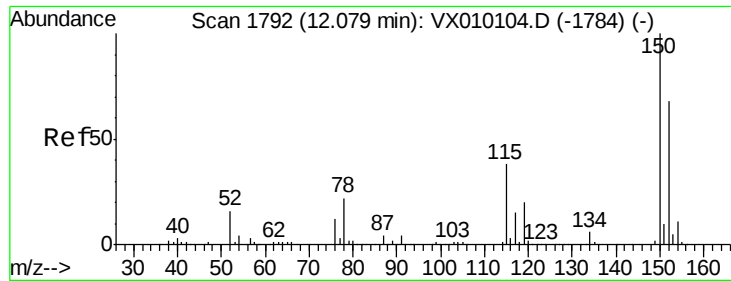
Tot Ion: 95 Resp: 156721
Ion Ratio Lower Upper
95 100
174 93.9 0.0 160.4
176 92.6 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010178.D
Acq: 10 Jun 2019 15:22

Tgt Ion: 117 Resp: 350701
Ion Ratio Lower Upper
117 100
82 50.2 49.2 73.8
119 31.7 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190606

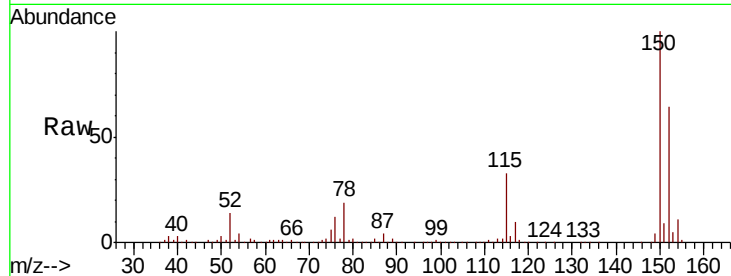
Tot Ion:152 Resp: 166038

Ion Ratio Lower Upper

152 100

115 54.1 41.4 124.2

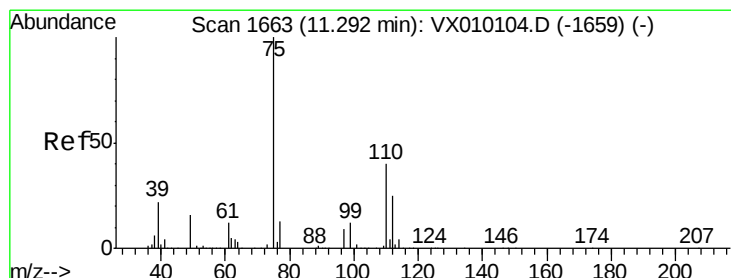
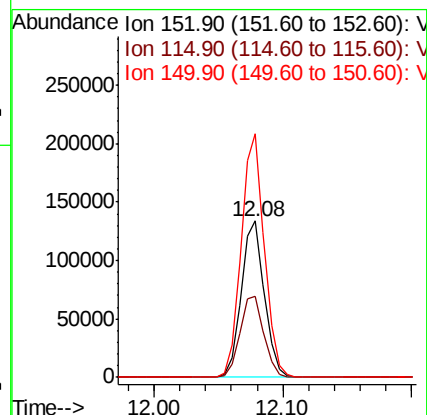
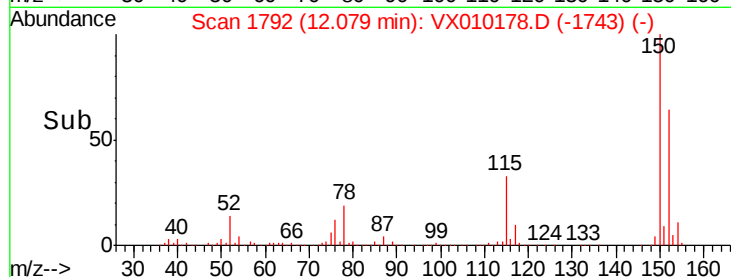
150 156.0 0.0 345.2



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: 21.629 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010178.D

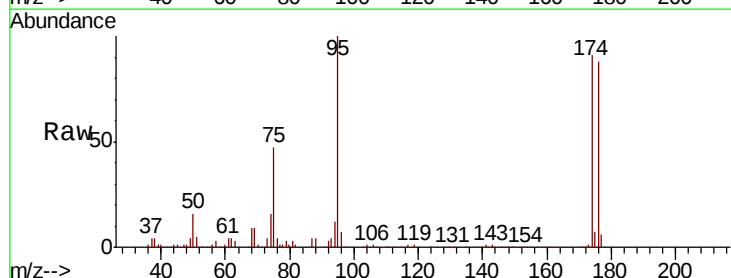
Acq: 10 Jun 2019 15:22

Tgt Ion: 75 Resp: 71832

Ion Ratio Lower Upper

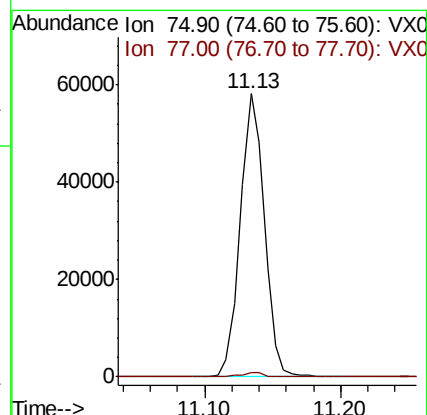
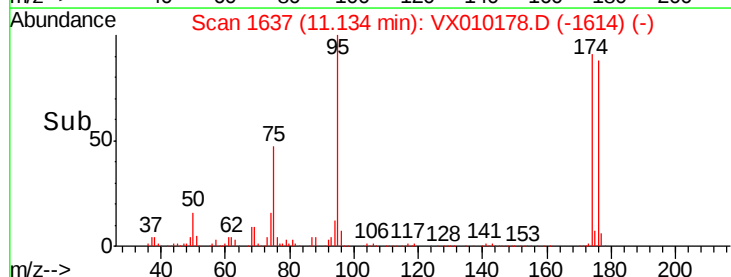
75 100

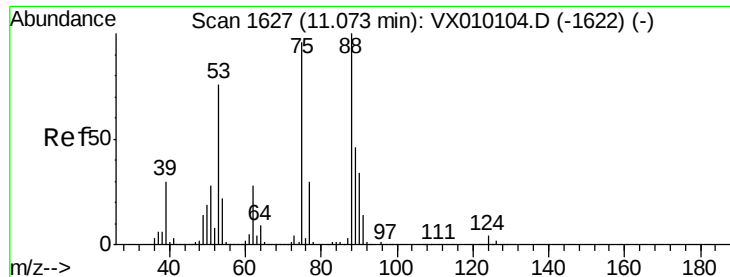
77 1.5 22.1 66.1#



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: 47.788 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010178.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP03-20190606

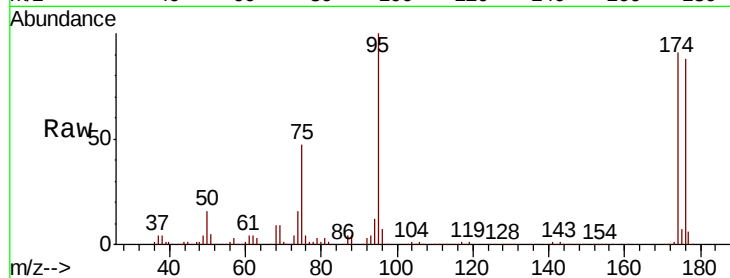
Tot Ion: 75 Resp: 71832

Ion Ratio Lower Upper

75 100

53 0.1 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

