

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010250.D
 Acq On : 12 Jun 2019 15:01
 Operator : JC/SP
 Sample : K3309-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-190610

Quant Time: Jun 13 01:27:01 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	5.66	168	312038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	471416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	423483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199741	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	141053	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
35) Dibromofluoromethane	5.50	113	144326	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	553623	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	187569	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	507	0.501	ug/l	94
6) Chloroethane	1.65	64	555	0.411	ug/l #	63
8) Diethyl Ether	2.18	74	315	0.230	ug/l	87
11) Tert butyl alcohol	3.03	59	1551	2.079	ug/l #	82
13) Acrolein	2.27	56	80	0.588	ug/l	99
16) Acetone	2.44	43	656	0.458	ug/l #	73
36) 1,1-Dichloropropene	5.66	75	18227	4.739	ug/l #	52
38) Carbon Tetrachloride	5.66	117	26175	6.013	ug/l #	15
49) 1,4-Dioxane	7.73	88	45	0.504	ug/l #	59
65) Chlorobenzene	10.13	112	3858	0.441	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	88003	22.027	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88003	48.667	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

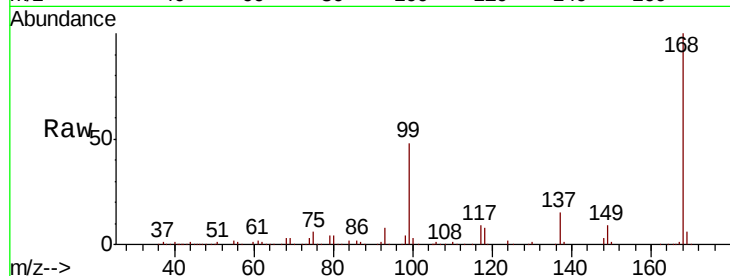
LF017MW004-190610

Tot Ion:168 Resp: 312038

Ion Ratio Lower Upper

168 100

99 47.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

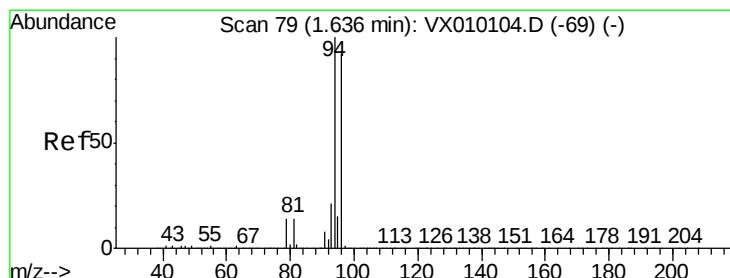
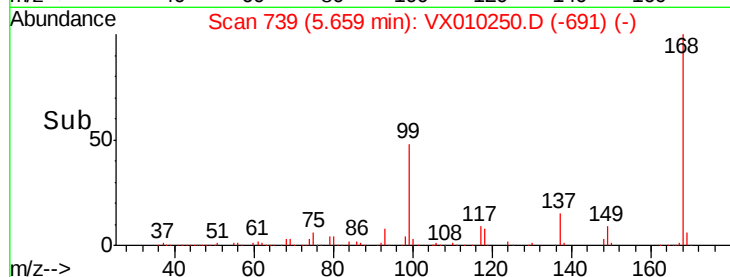
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.501 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010250.D

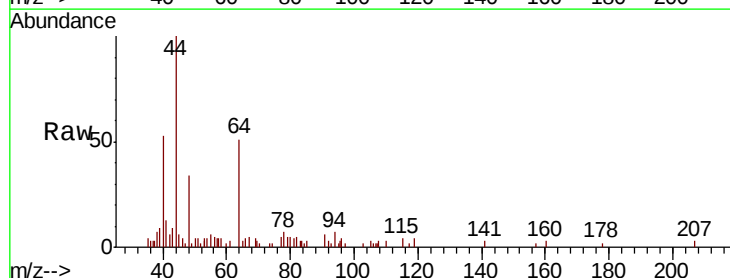
Acq: 12 Jun 2019 15:01

Tgt Ion: 94 Resp: 507

Ion Ratio Lower Upper

94 100

96 89.3 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

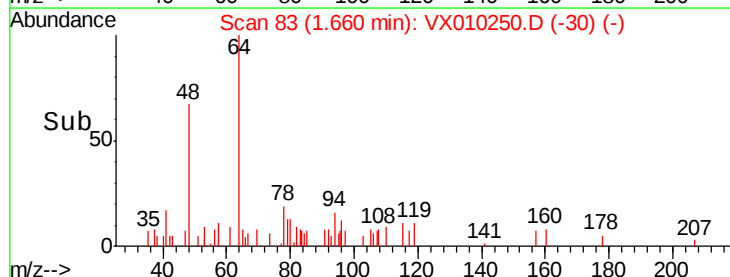
150

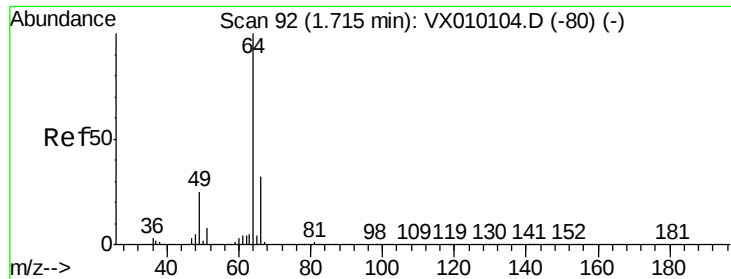
100

50

0

Time-->





#6

Chloroethane

Concen: 0.411 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

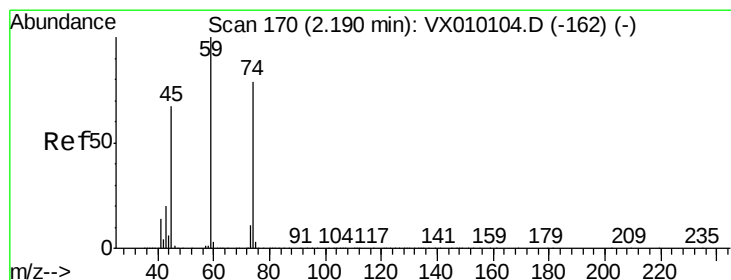
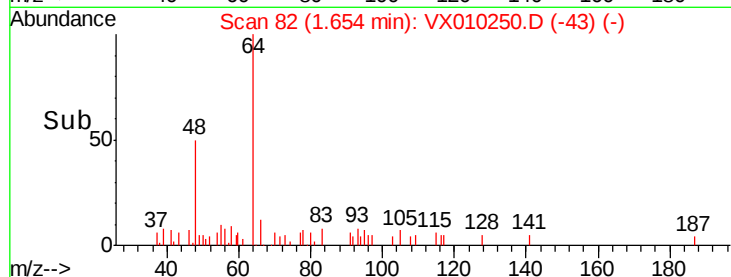
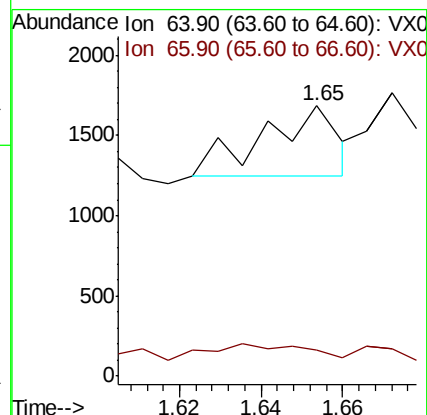
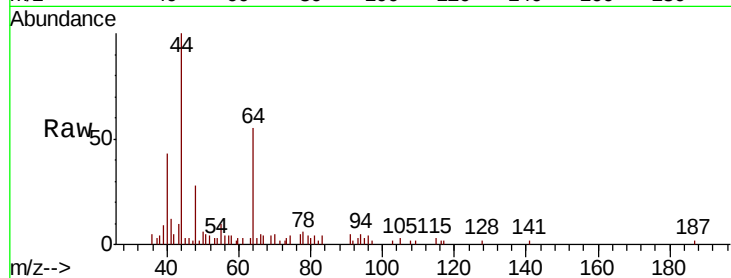
LF017MW004-190610

Tot Ion: 64 Resp: 555

Ion Ratio Lower Upper

64 100

66 10.8 25.1 37.7#



#8

Diethyl Ether

Concen: 0.230 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010250.D

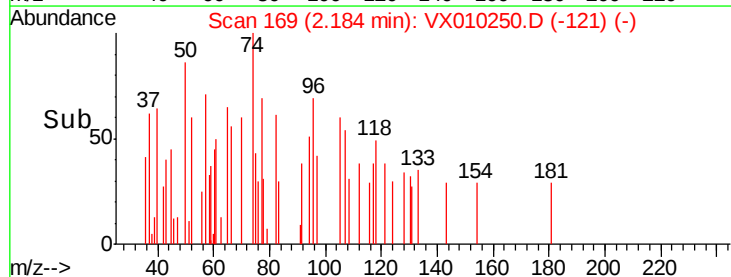
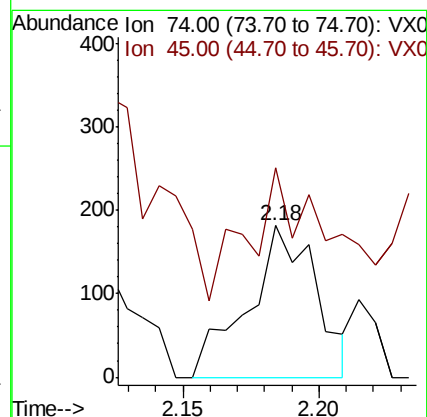
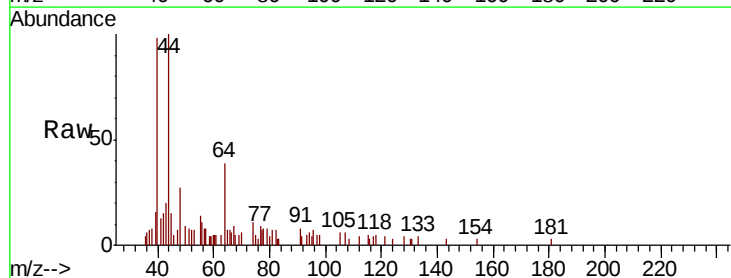
Acq: 12 Jun 2019 15:01

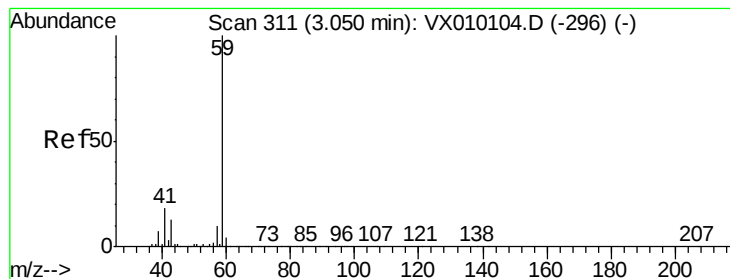
Tgt Ion: 74 Resp: 315

Ion Ratio Lower Upper

74 100

45 98.7 56.1 168.3



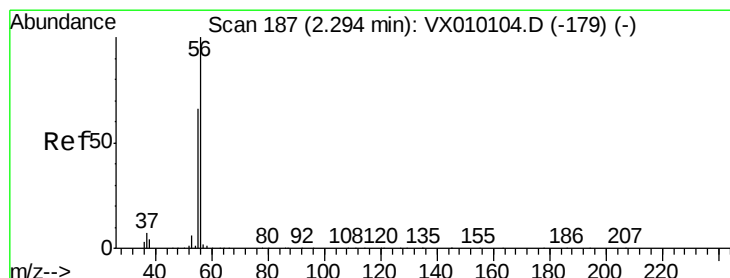
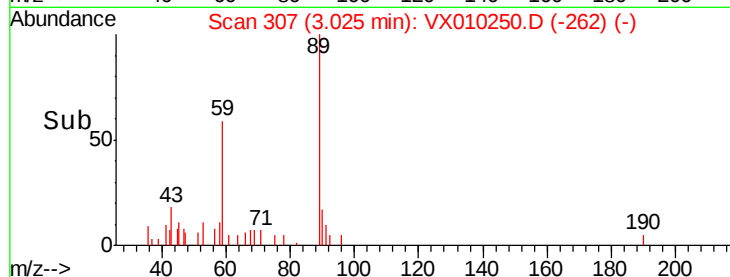
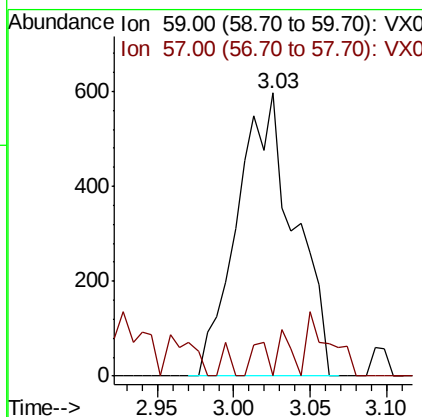
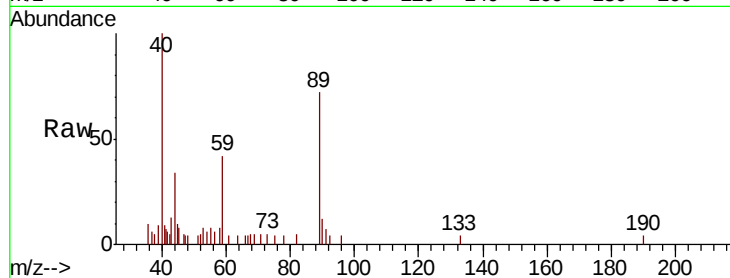


#11

Tert butyl alcohol
 Concen: 2.079 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010250.D
 Acq: 12 Jun 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-190610

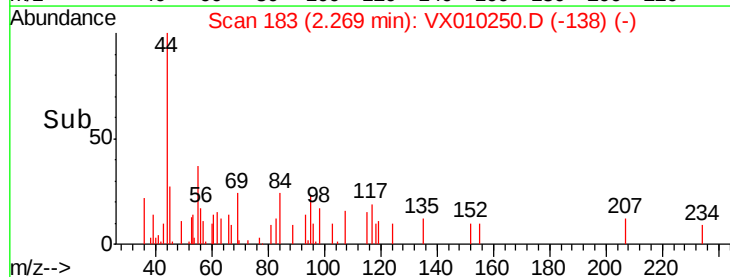
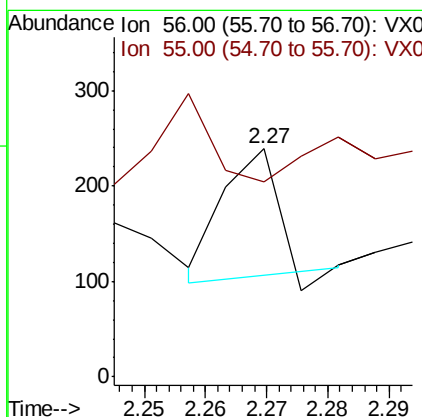
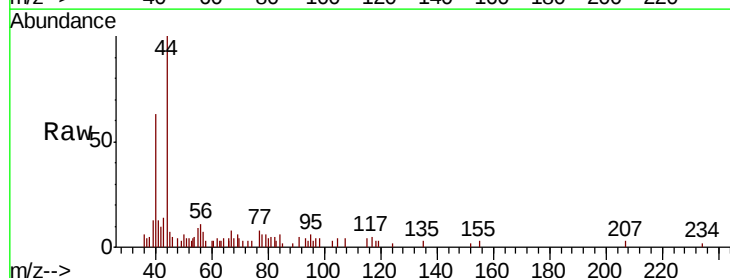
Tot Ion: 59 Resp: 1551
 Ion Ratio Lower Upper
 59 100
 57 3.7 8.2 12.2#

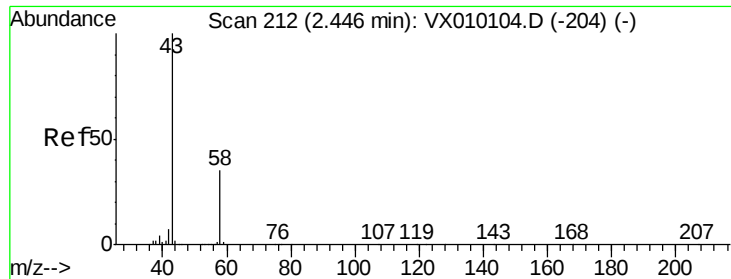


#13

Acrolein
 Concen: 0.588 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX010250.D
 Acq: 12 Jun 2019 15:01

Tgt Ion: 56 Resp: 80
 Ion Ratio Lower Upper
 56 100
 55 70.0 57.0 85.4





#16

Acetone

Concen: 0.458 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

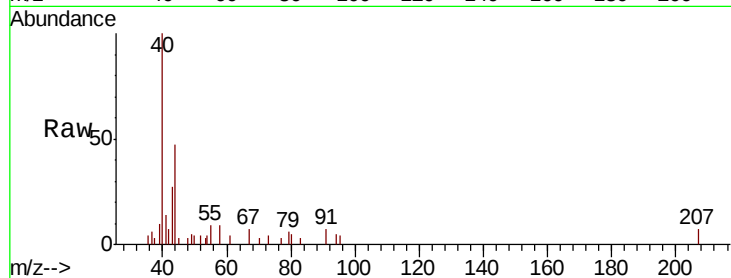
LF017MW004-190610

Tot Ion: 43 Resp: 656

Ion Ratio Lower Upper

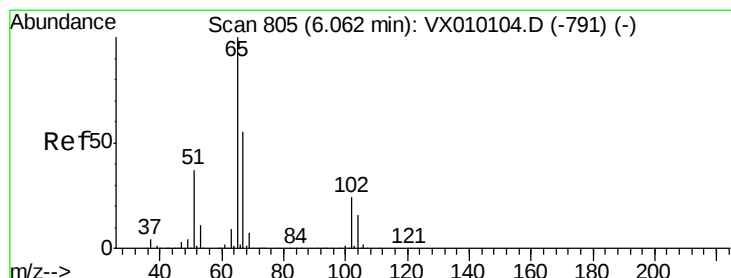
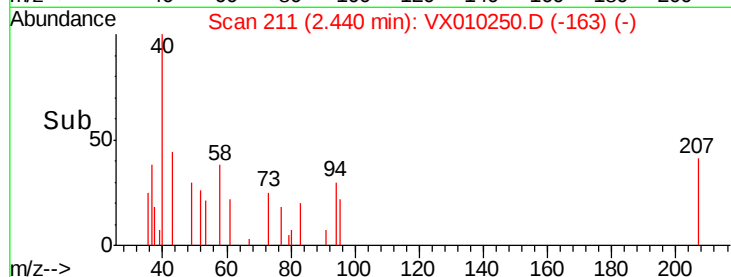
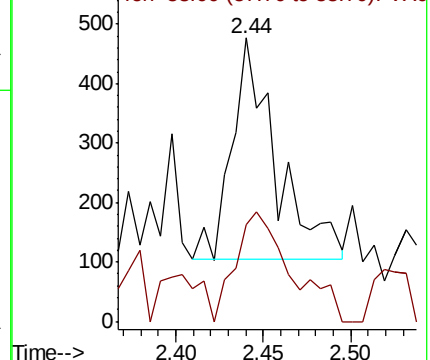
43 100

58 43.4 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.310 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010250.D

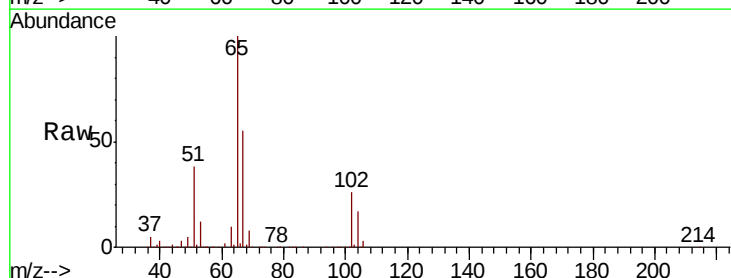
Acq: 12 Jun 2019 15:01

Tgt Ion: 65 Resp: 141053

Ion Ratio Lower Upper

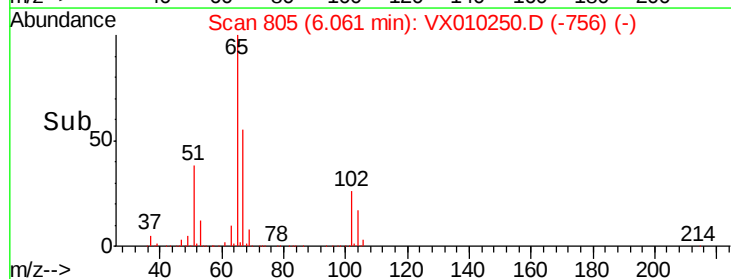
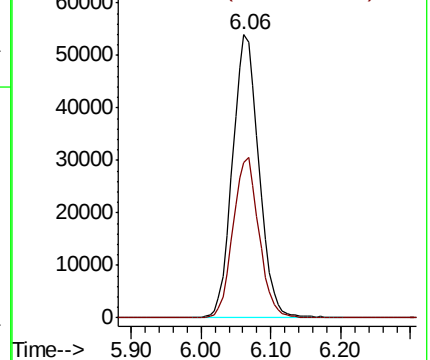
65 100

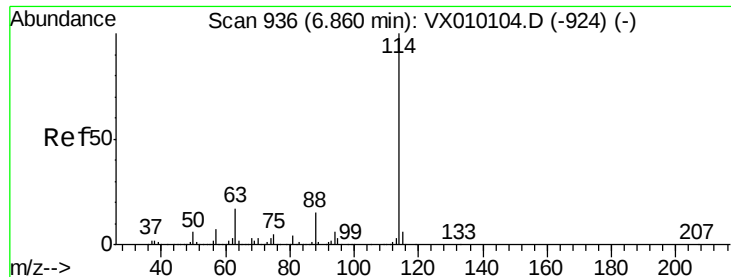
67 55.5 0.0 108.4



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: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-190610

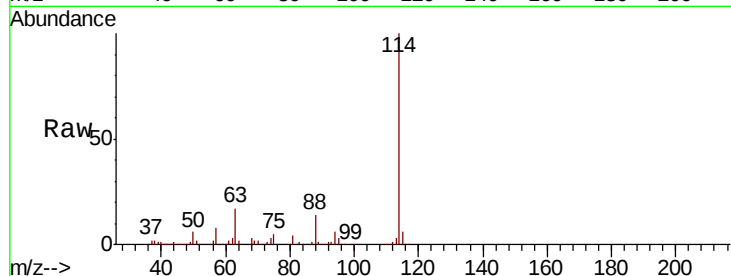
Tot Ion:114 Resp: 471416

Ion Ratio Lower Upper

114 100

63 16.6 0.0 47.4

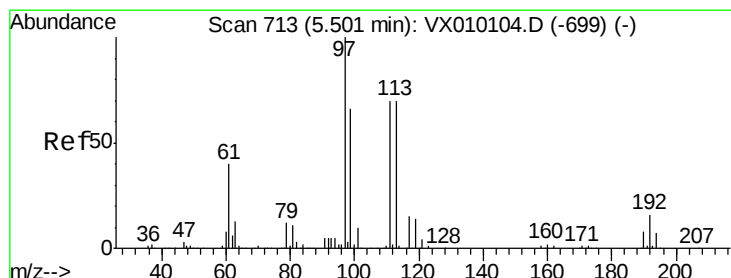
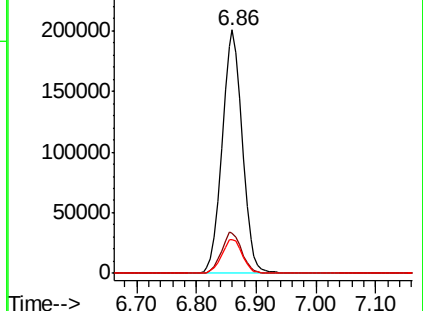
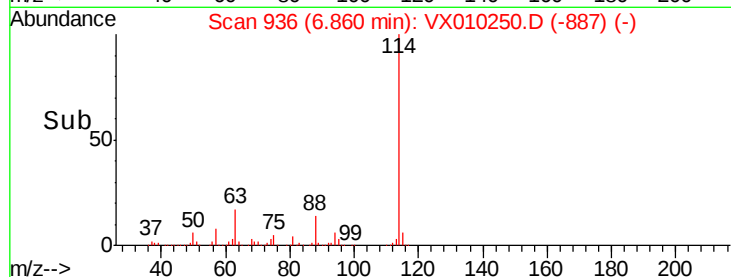
88 14.0 0.0 33.0



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: 49.634 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

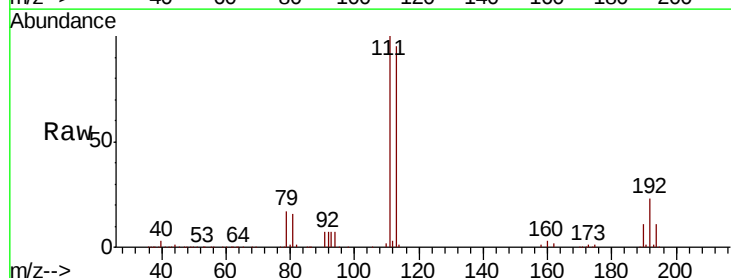
Tgt Ion:113 Resp: 144326

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

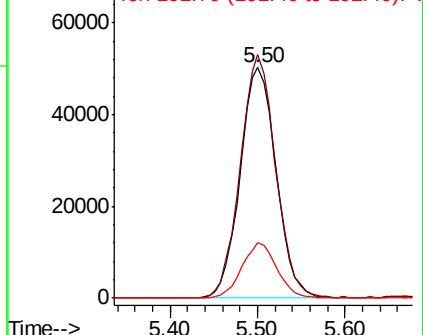
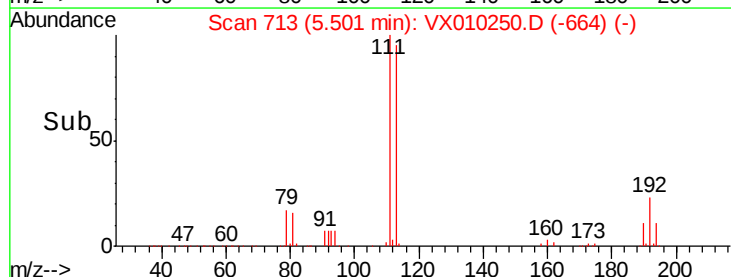
192 23.3 17.1 25.7

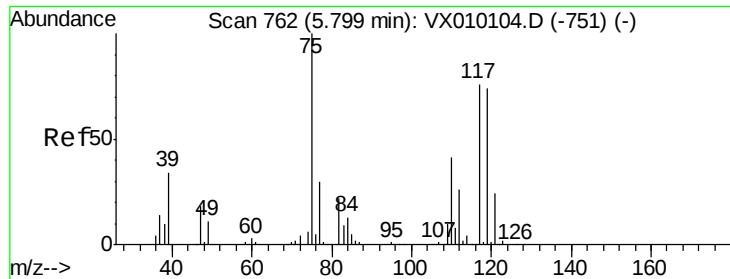


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

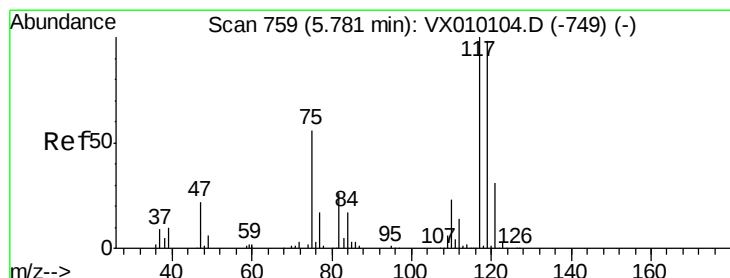
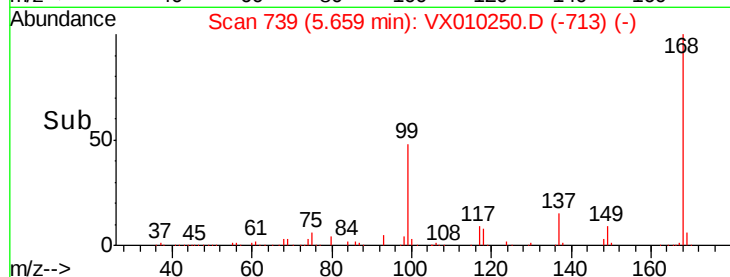
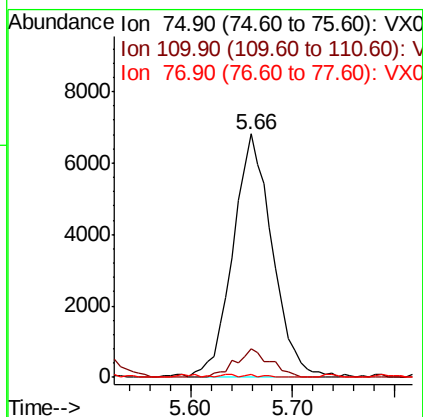
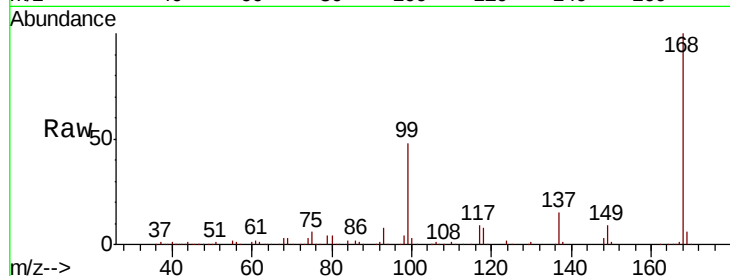




#36
 1,1-Dichloropropene
 Concen: 4.739 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010250.D
 Acq: 12 Jun 2019 15:01

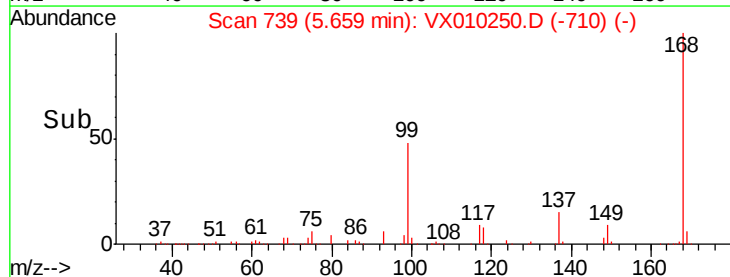
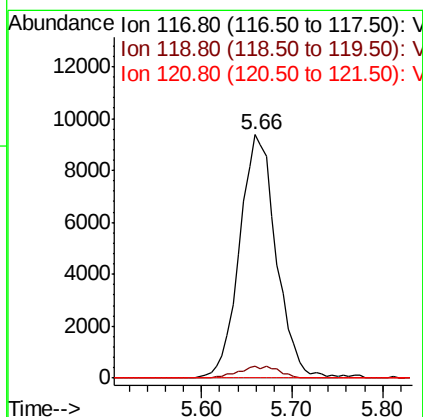
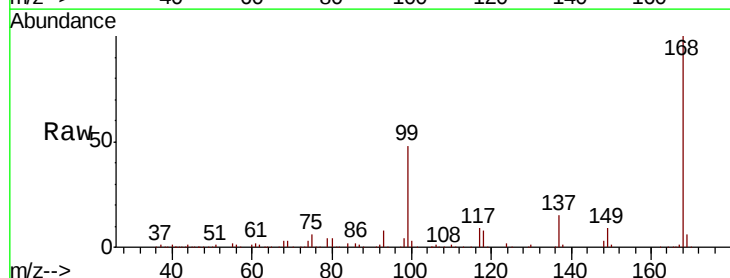
Instrument :
 MSVOA_X
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 LF017MW004-190610

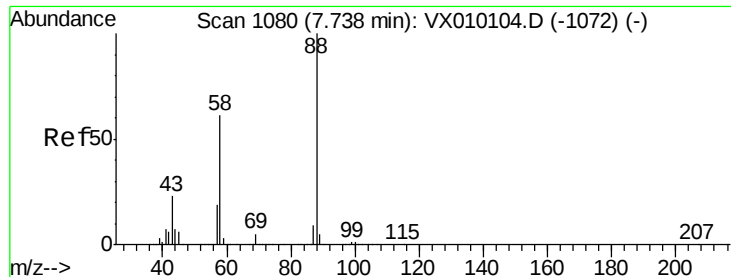
Tot Ion: 75 Resp: 18227
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.7 50.1#
 77 0.3 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.013 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010250.D
 Acq: 12 Jun 2019 15:01

Tgt Ion: 117 Resp: 26175
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.3 115.9#
 121 0.0 25.4 38.0#





#49

1,4-Dioxane

Concen: 0.504 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-190610

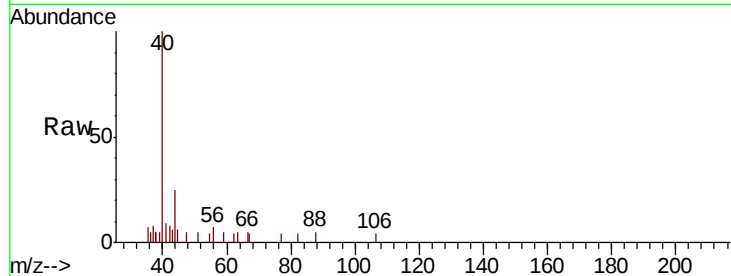
Tot Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

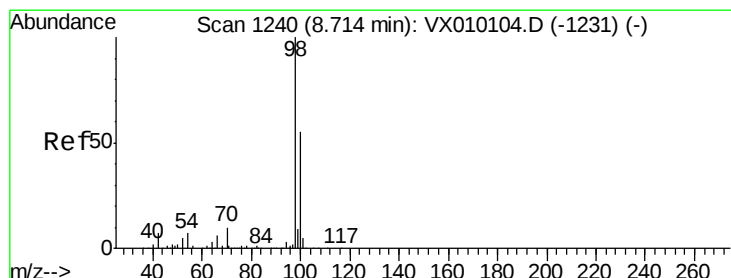
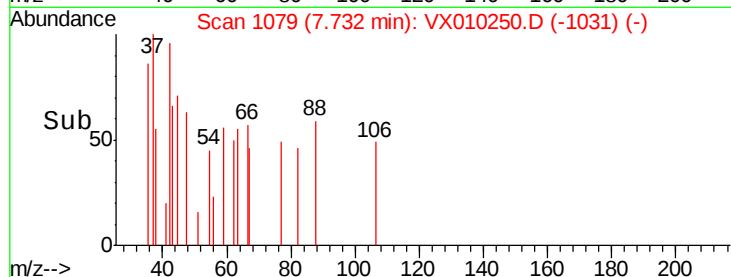
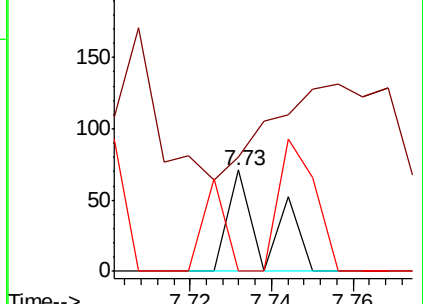
58 53.3 64.0 96.0#



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



#50

Toluene-d8

Concen: 50.800 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010250.D

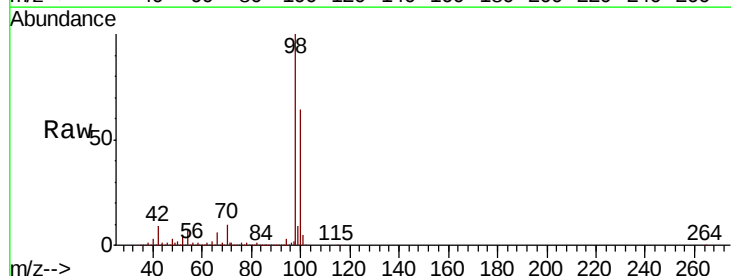
Acq: 12 Jun 2019 15:01

Tgt Ion: 98 Resp: 553623

Ion Ratio Lower Upper

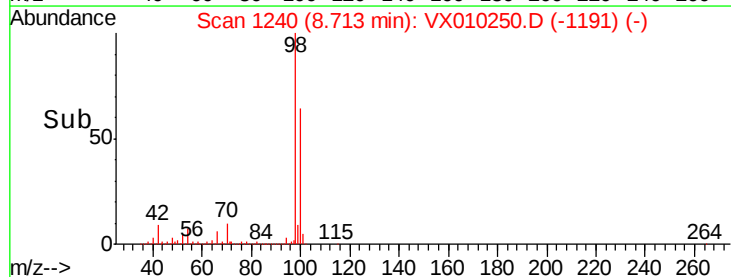
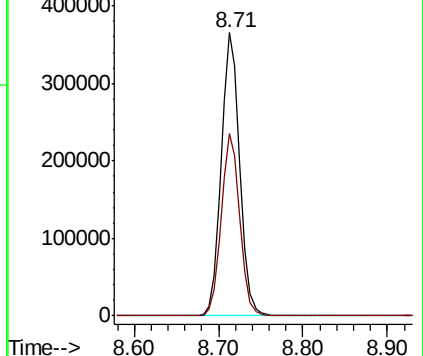
98 100

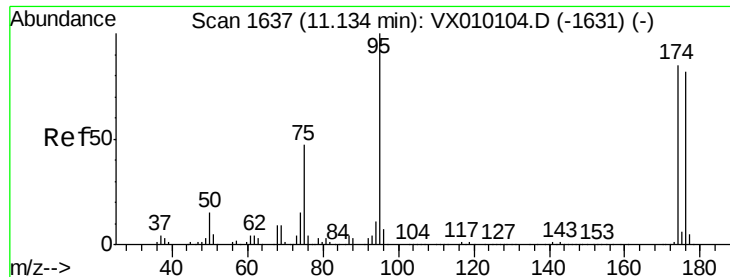
100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-190610

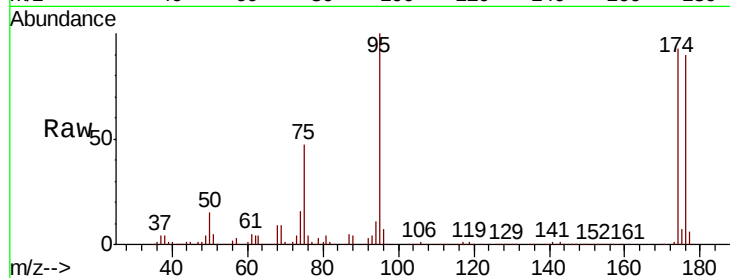
Tot Ion: 95 Resp: 187569

Ion Ratio Lower Upper

95 100

174 96.0 0.0 160.4

176 94.8 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) (-)

11.13

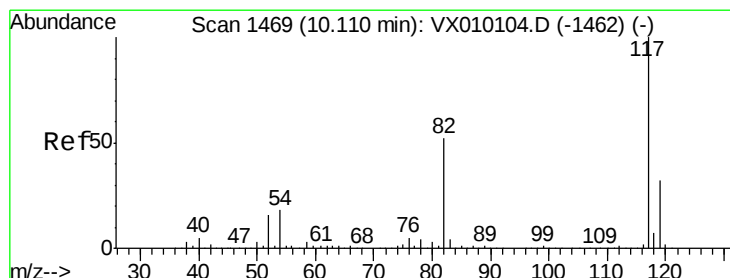
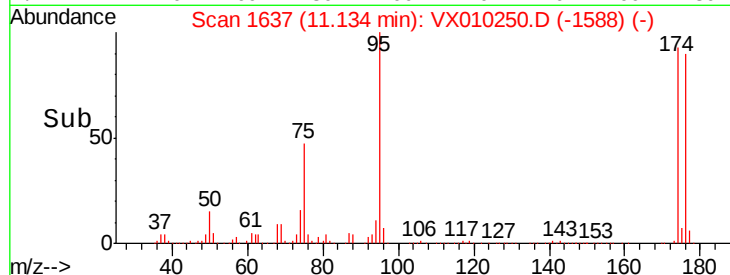
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

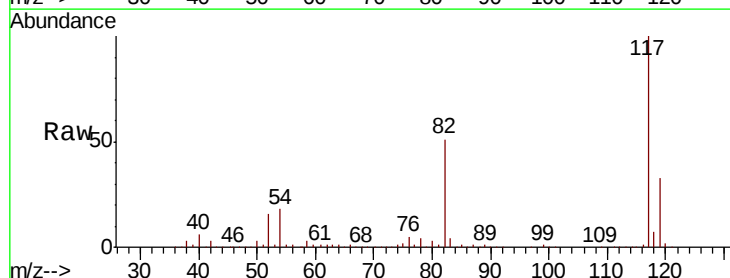
Tgt Ion: 117 Resp: 423483

Ion Ratio Lower Upper

117 100

82 51.0 49.2 73.8

119 32.7 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) (-)

10.11

400000

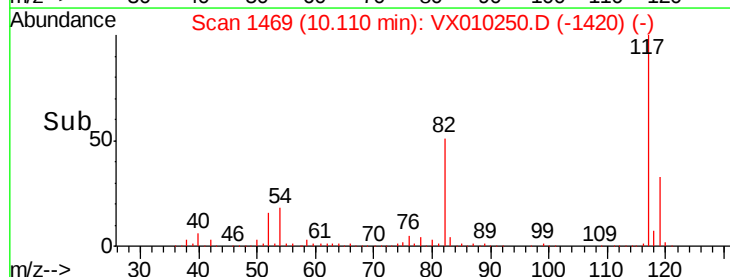
300000

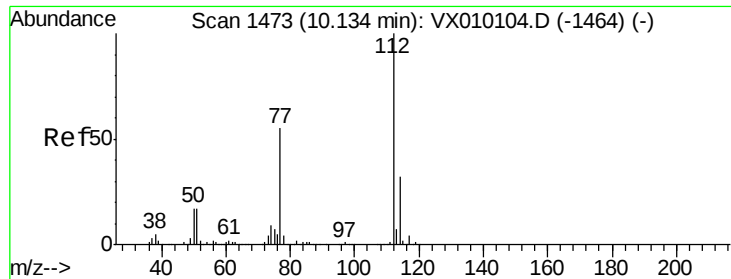
200000

100000

0

Time-->

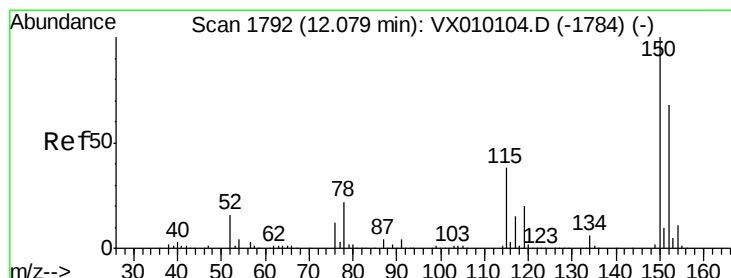
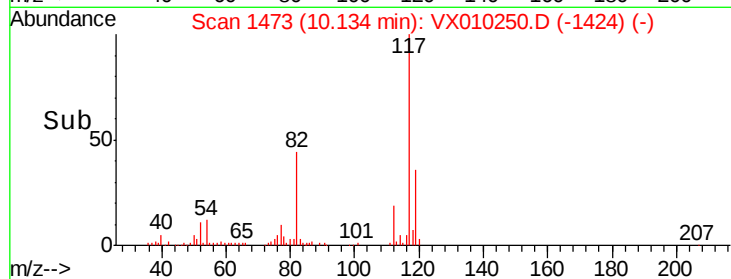
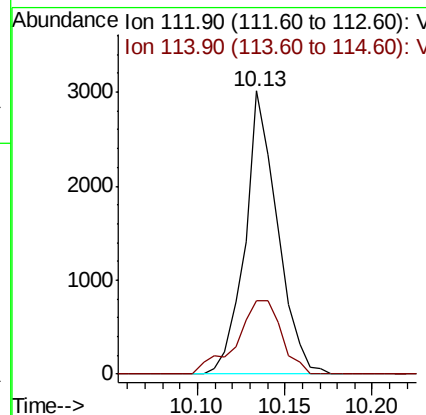
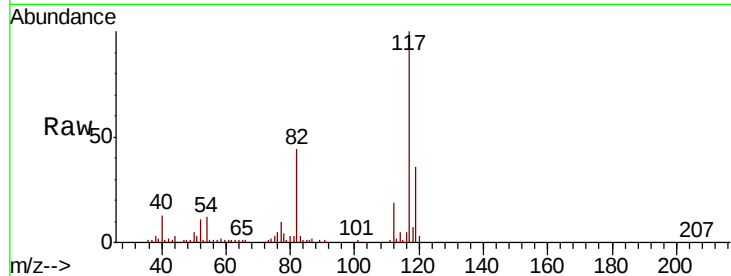




#65
Chlorobenzene
Concen: 0.441 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010250.D
Acq: 12 Jun 2019 15:01

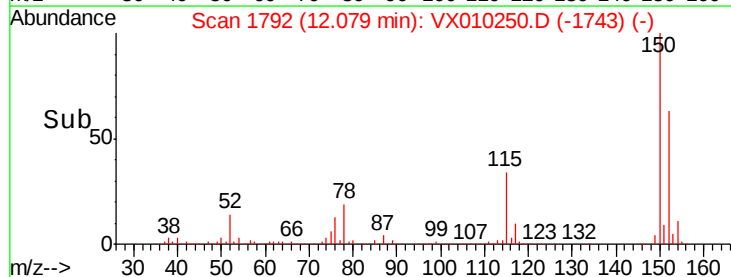
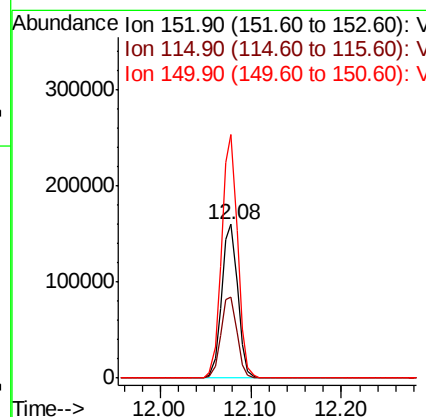
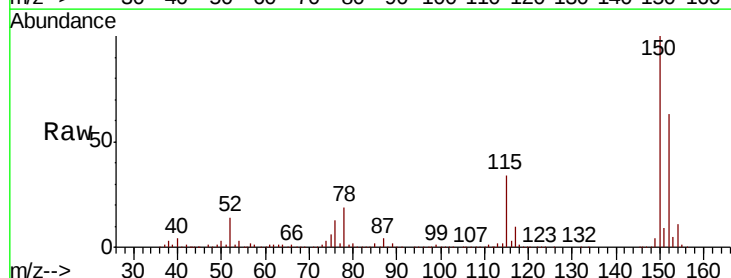
Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-190610

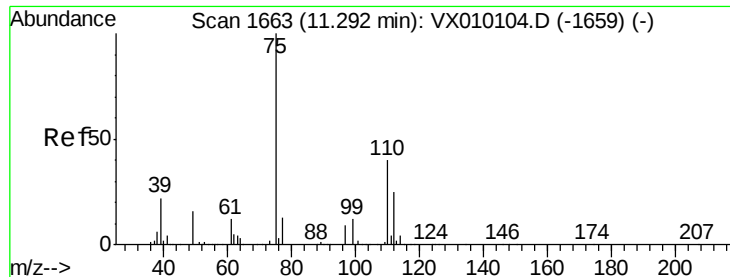
Tot Ion:112 Resp: 3858
Ion Ratio Lower Upper
112 100
114 26.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010250.D
Acq: 12 Jun 2019 15:01

Tgt Ion:152 Resp: 199741
Ion Ratio Lower Upper
152 100
115 54.1 41.4 124.2
150 156.4 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 22.027 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

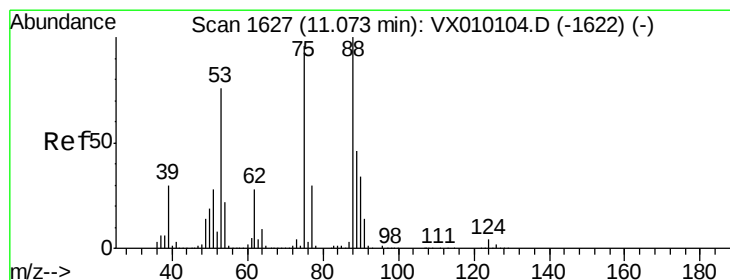
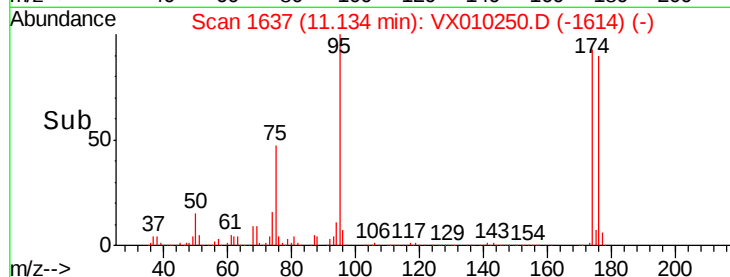
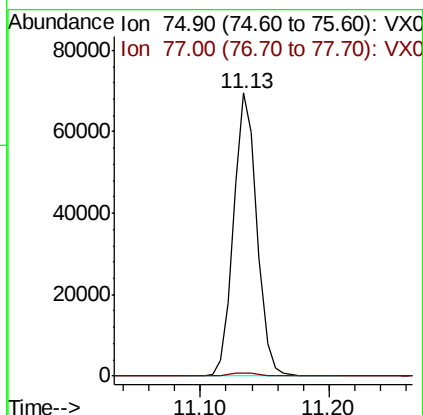
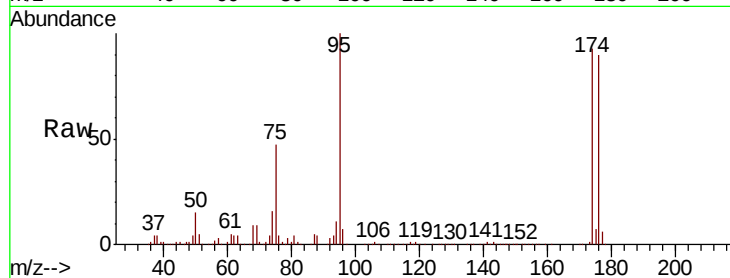
LF017MW004-190610

Tot Ion: 75 Resp: 88003

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.667 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010250.D

Acq: 12 Jun 2019 15:01

Tgt Ion: 75 Resp: 88003

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#

