

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
 Data File : VX006986.D
 Acq On : 10 Jan 2019 13:34
 Operator : JC/MD
 Sample : K1102-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Jan 11 07:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	619901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	950478	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	880203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	329459	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	5.50	113	296292	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	1127059	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	398547	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

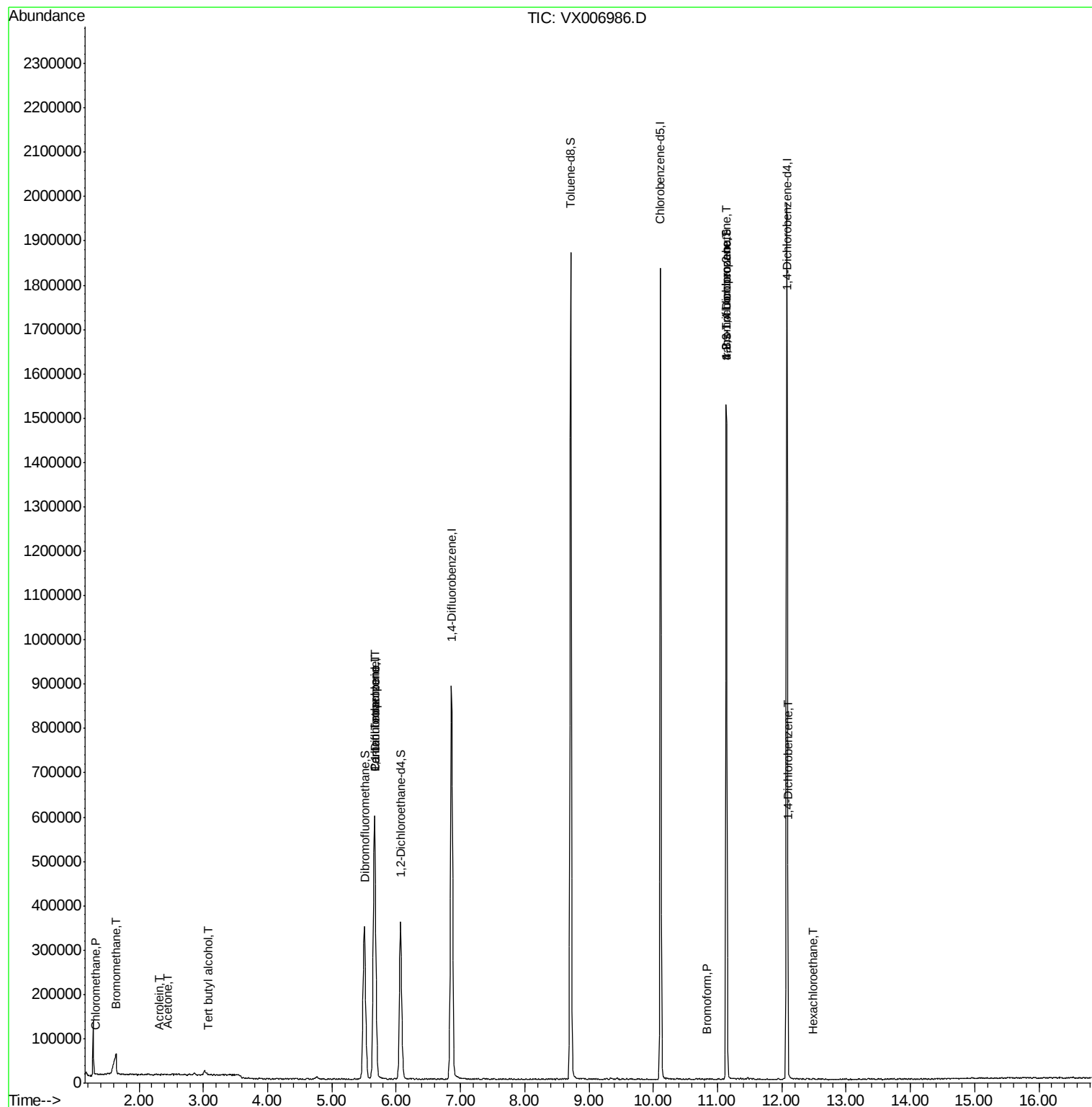
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1409	0.238	ug/l #	78
5) Bromomethane	1.64	94	1508	0.221	ug/l	90
11) Tert butyl alcohol	3.09	59	737	0.482	ug/l #	31
13) Acrolein	2.31	56	167	3.334	ug/l #	1
16) Acetone	2.45	43	1694	0.529	ug/l	89
20) Methylene Chloride	2.86	84	1791	Below Cal	#	81
36) 1,1-Dichloropropene	5.67	75	40032	4.844	ug/l #	49
38) Carbon Tetrachloride	5.67	117	56911	6.845	ug/l #	14
49) 1,4-Dioxane	7.76	88	138	Below Cal	#	1
71) Bromoform	10.84	173	115	4.746	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	190014	22.203	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	190014	65.720	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	879	0.207	ug/l #	1
90) Hexachloroethane	12.49	117	35	2.916	ug/l	87

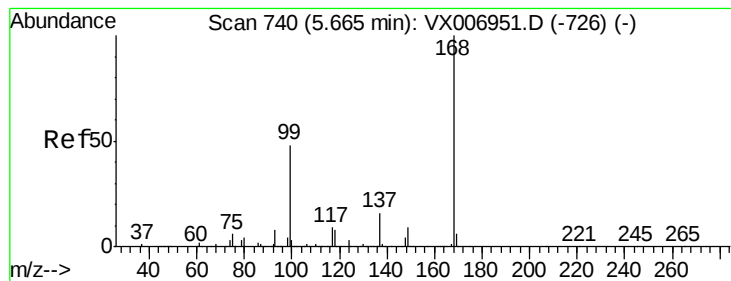
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
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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: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

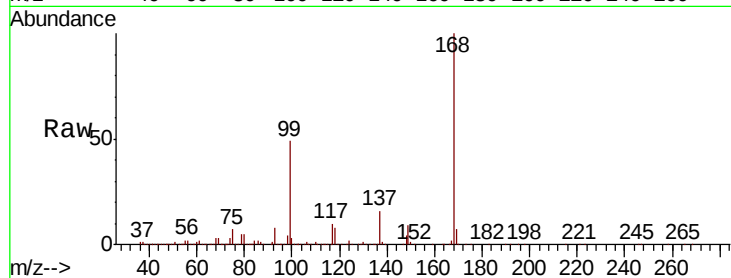
TB

Tgt Ion:168 Resp: 619901

Ion Ratio Lower Upper

168 100

99 48.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

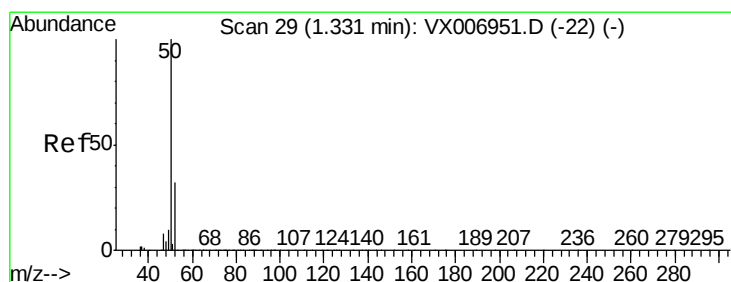
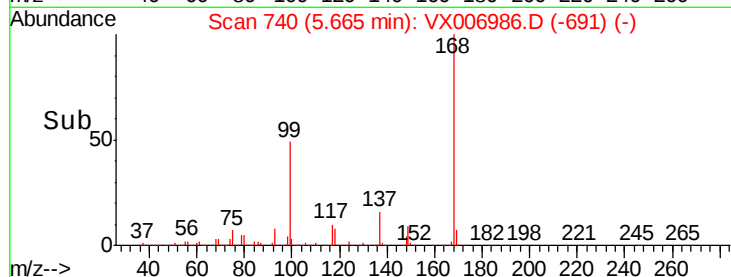
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006986.D

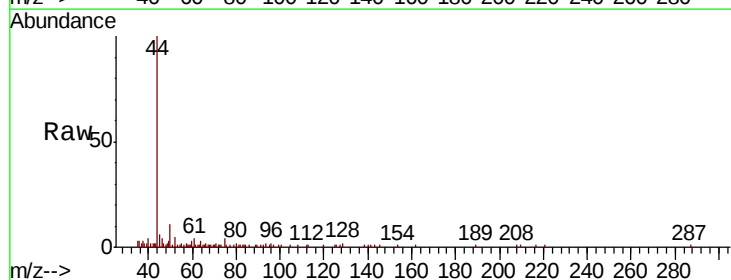
Acq: 10 Jan 2019 13:34

Tgt Ion: 50 Resp: 1409

Ion Ratio Lower Upper

50 100

52 44.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

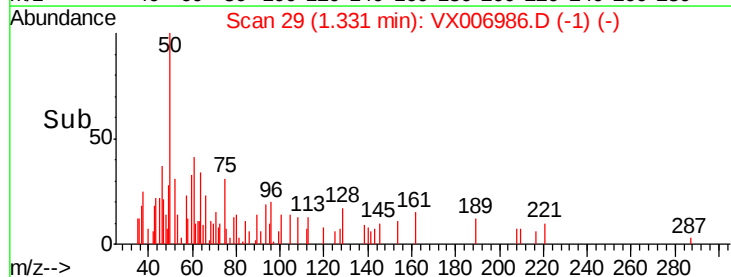
600

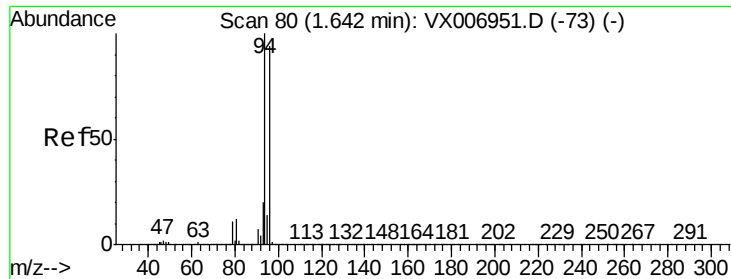
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

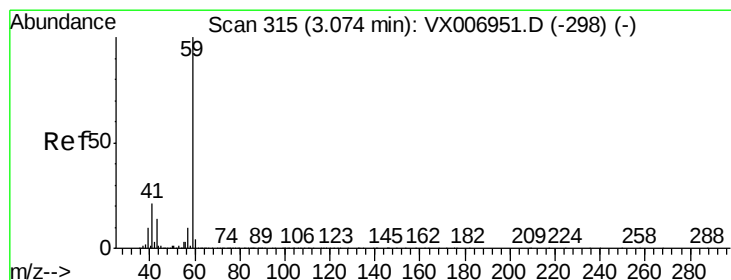
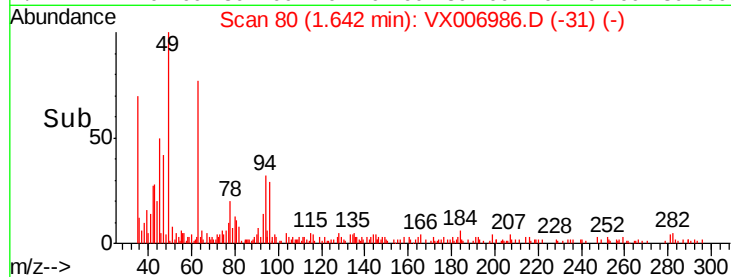
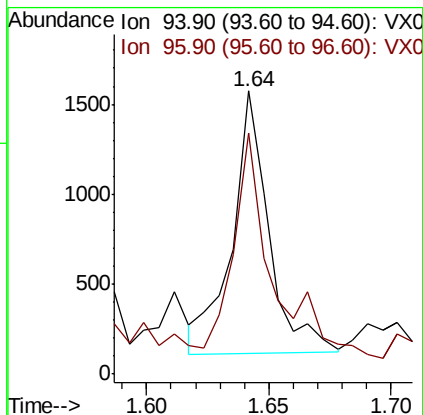
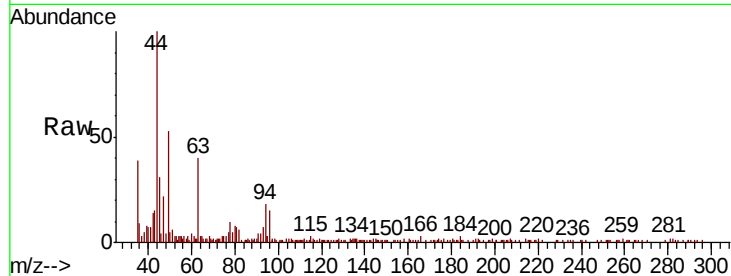
TB

Tgt Ion: 94 Resp: 1508

Ion Ratio Lower Upper

94 100

96 82.5 73.4 110.2



#11

Tert butyl alcohol

Concen: 0.482 ug/l

RT: 3.09 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX006986.D

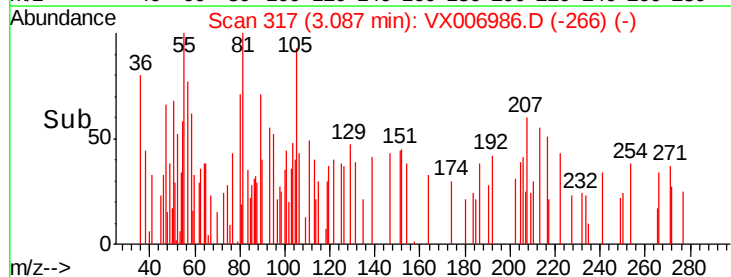
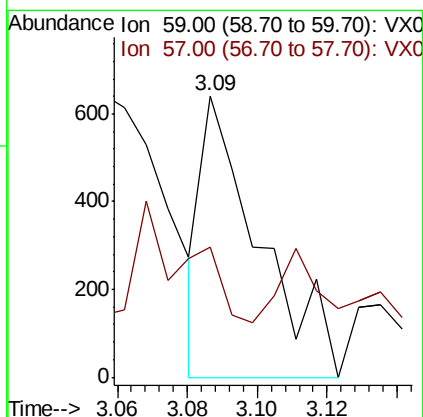
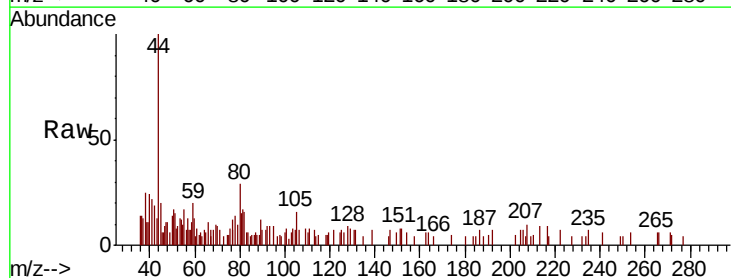
Acq: 10 Jan 2019 13:34

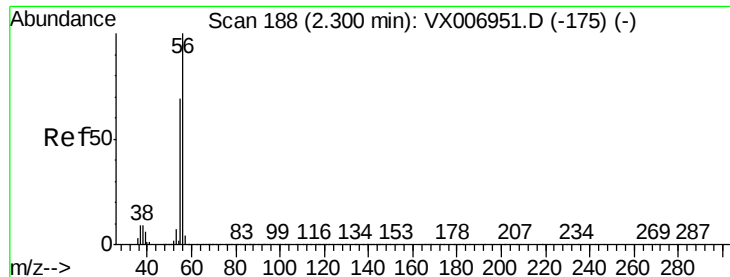
Tgt Ion: 59 Resp: 737

Ion Ratio Lower Upper

59 100

57 36.4 8.5 12.7#





#13

Acrolein

Concen: 3.334 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

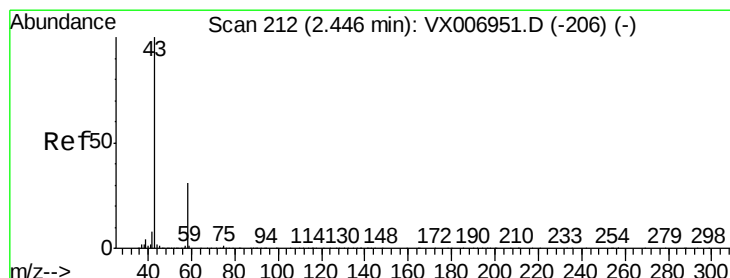
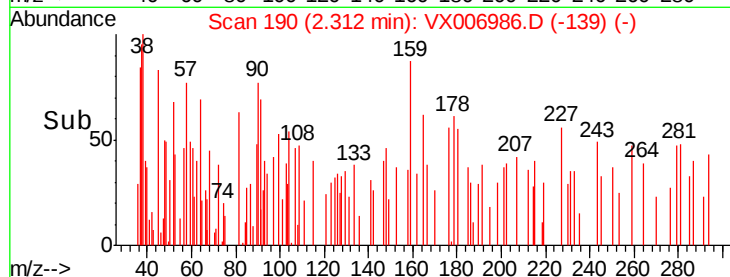
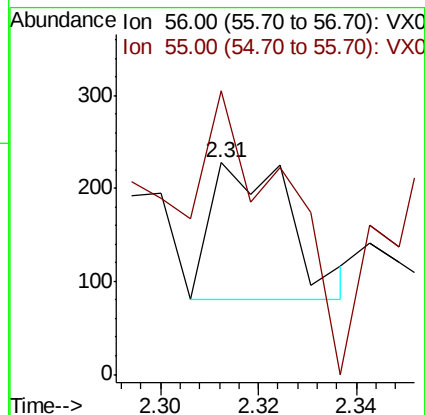
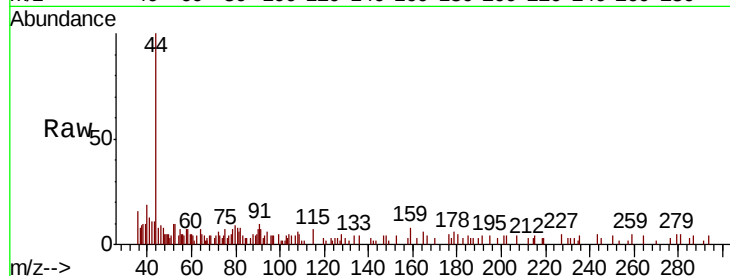
TB

Tgt Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 318.0 58.2 87.4#



#16

Acetone

Concen: 0.529 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006986.D

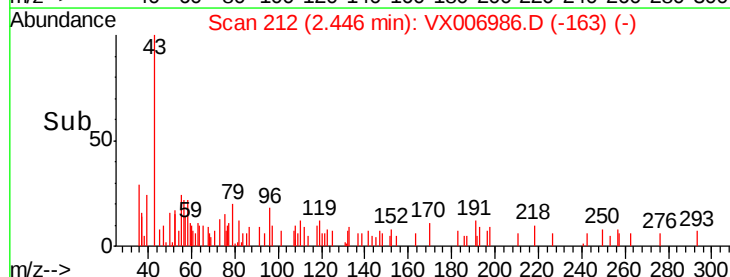
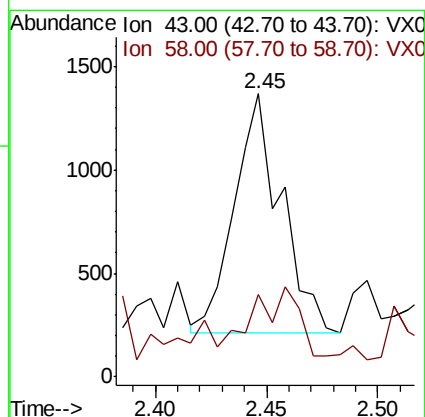
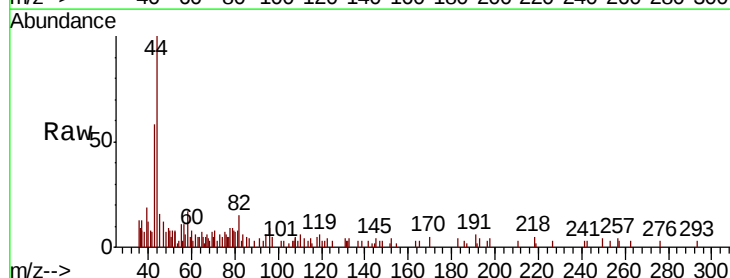
Acq: 10 Jan 2019 13:34

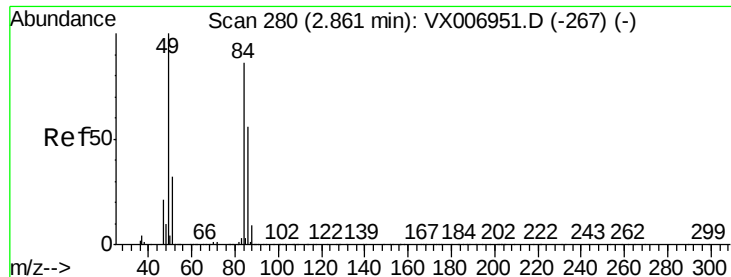
Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

58 25.4 25.0 37.6

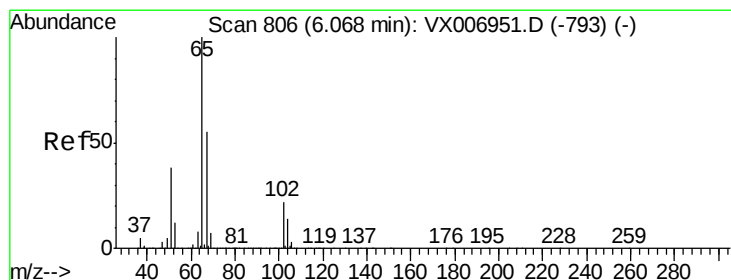
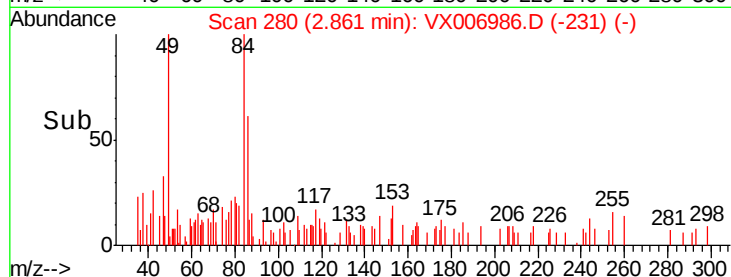
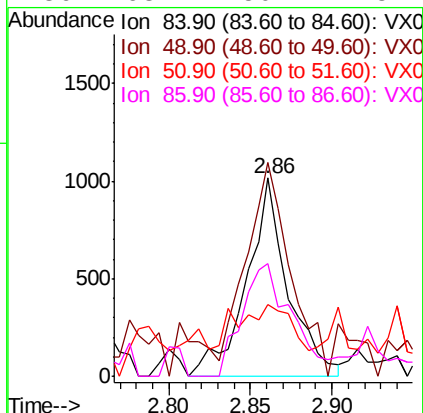
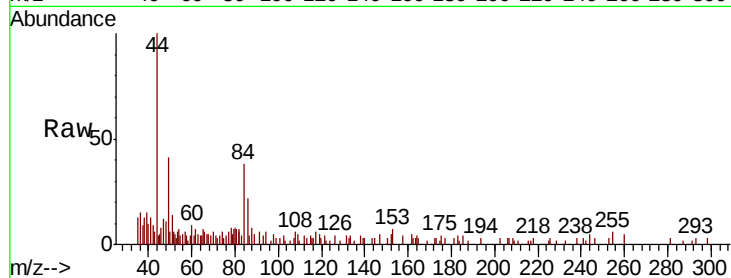




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006986.D
Acq: 10 Jan 2019 13:34

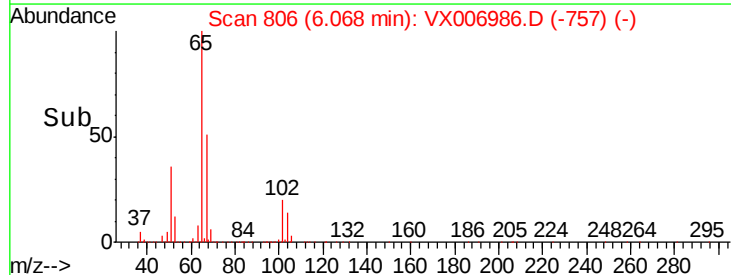
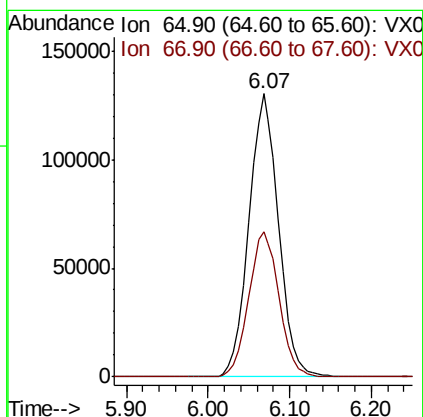
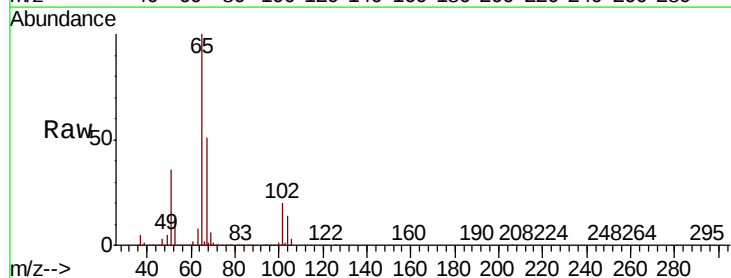
Instrument :
MSVOA_X
ClientSampleId :
TB

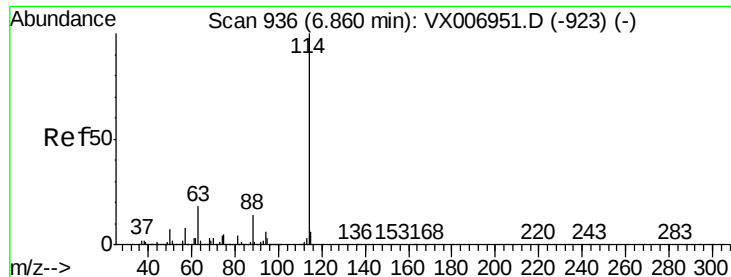
Tgt Ion: 84 Resp: 1791
Ion Ratio Lower Upper
84 100
49 90.6 91.8 137.6#
51 17.5 28.5 42.7#
86 68.1 50.2 75.2



#33
1,2-Dichloroethane-d4
Concen: 50.854 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006986.D
Acq: 10 Jan 2019 13:34

Tgt Ion: 65 Resp: 329459
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

TB

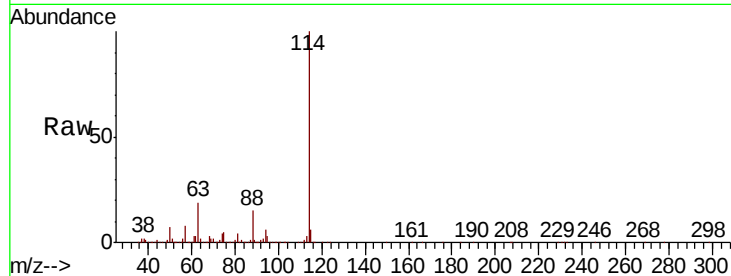
Tgt Ion:114 Resp: 950478

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

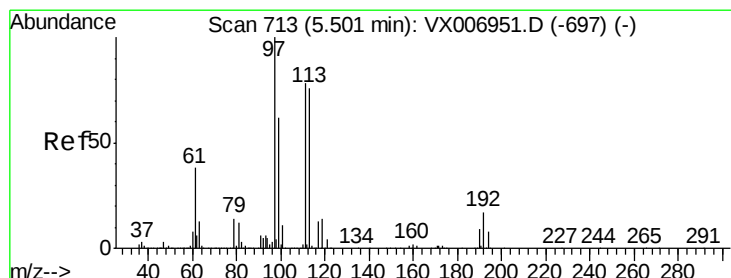
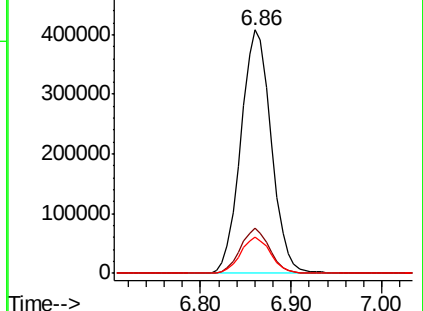
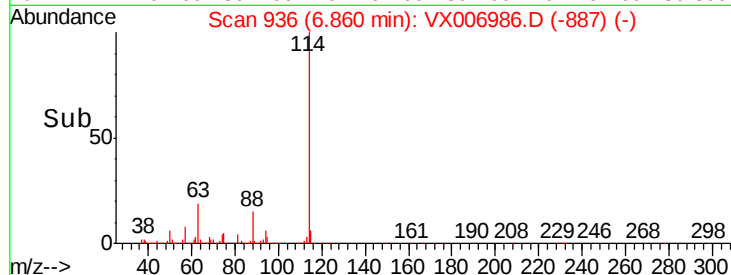
88 14.9 0.0 28.8



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: 48.678 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

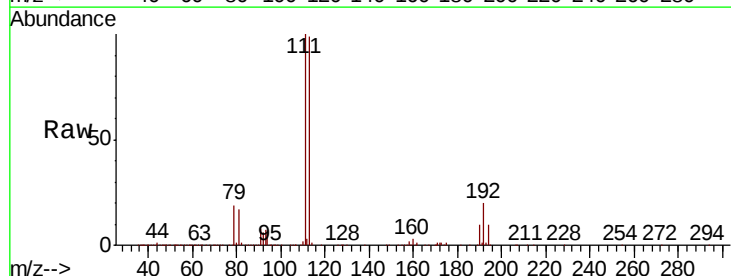
Tgt Ion:113 Resp: 296292

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

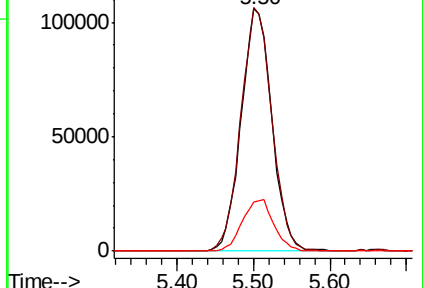
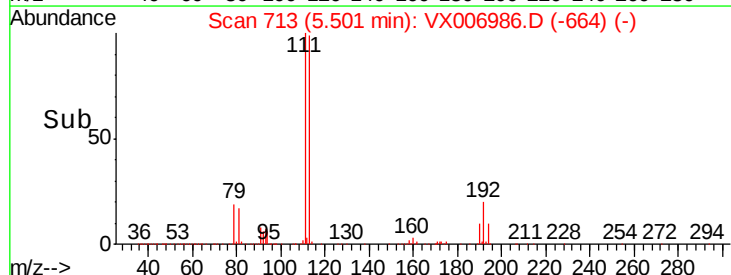
192 21.7 16.7 25.1

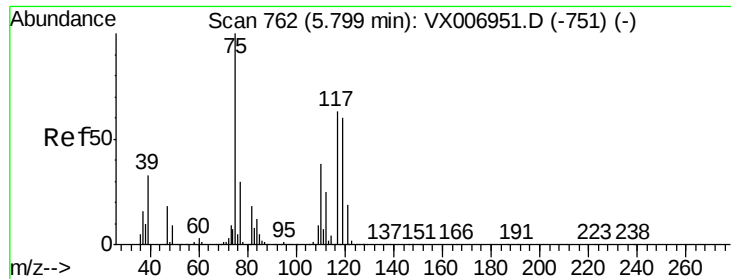


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

TB

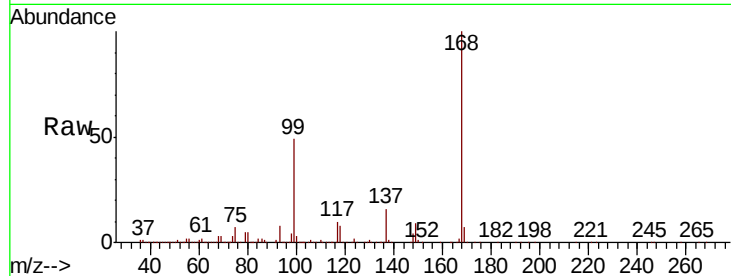
Tgt Ion: 75 Resp: 40032

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

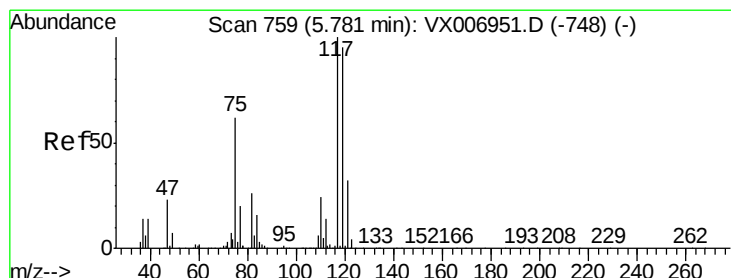
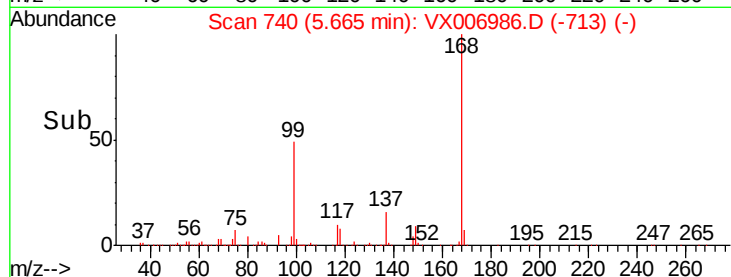
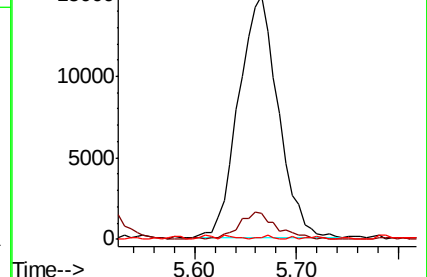
77 0.6 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX006986.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006986.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006986.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.845 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

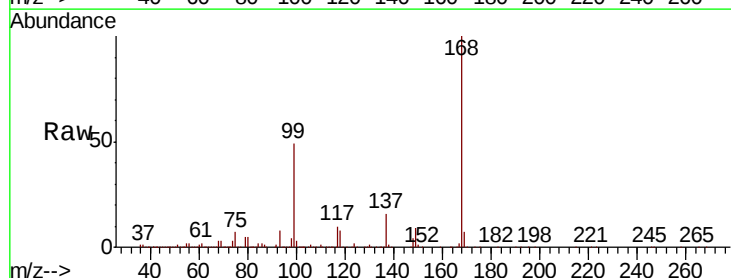
Tgt Ion: 117 Resp: 56911

Ion Ratio Lower Upper

117 100

119 4.1 79.4 119.2#

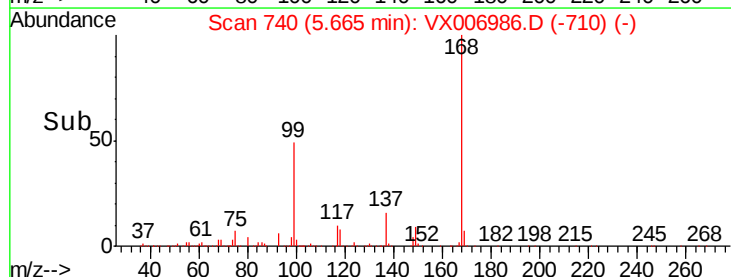
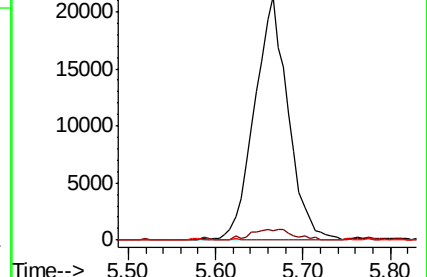
121 0.3 24.0 36.0#

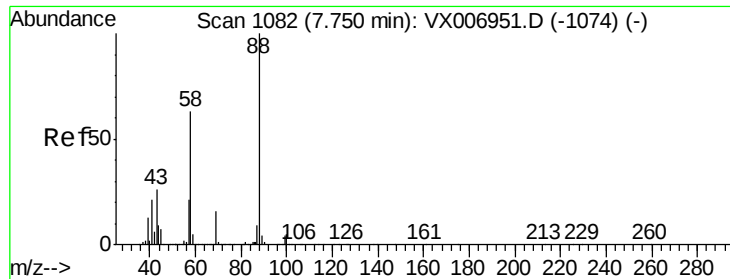


Abundance Ion 116.80 (116.50 to 117.50): VX006986.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006986.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006986.D (-710) (-)





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

TB

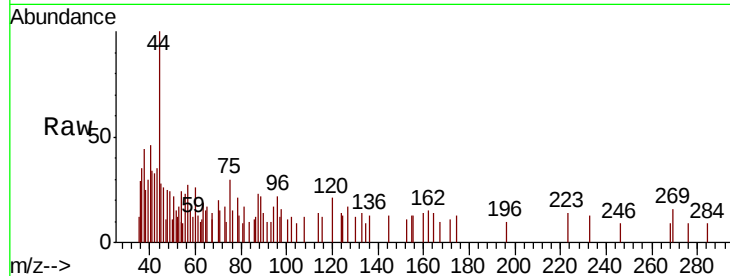
Tgt Ion: 88 Resp: 138

Ion Ratio Lower Upper

88 100

43 408.7 22.2 33.4#

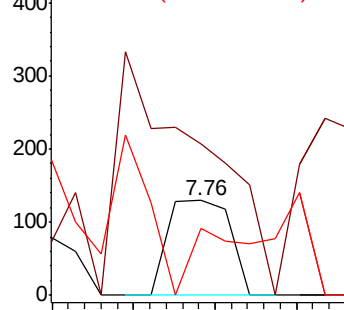
58 92.0 51.0 76.4#



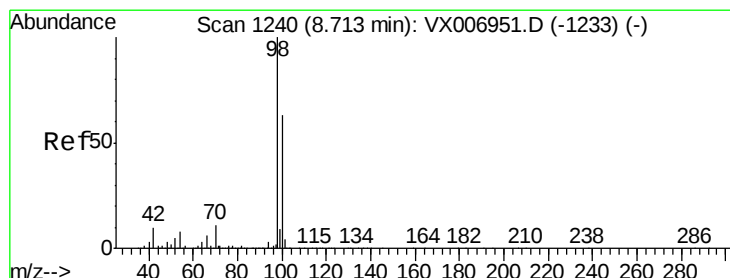
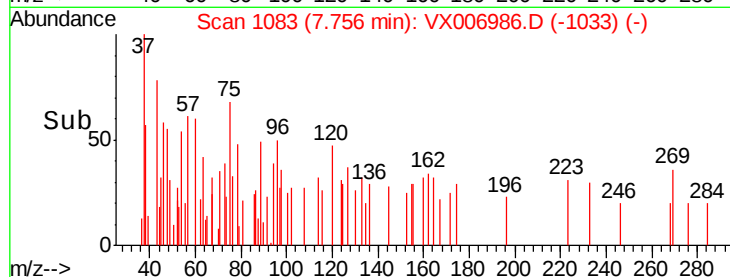
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.587 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006986.D

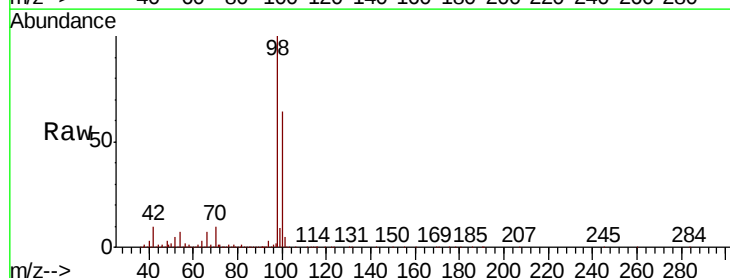
Acq: 10 Jan 2019 13:34

Tgt Ion: 98 Resp: 1127059

Ion Ratio Lower Upper

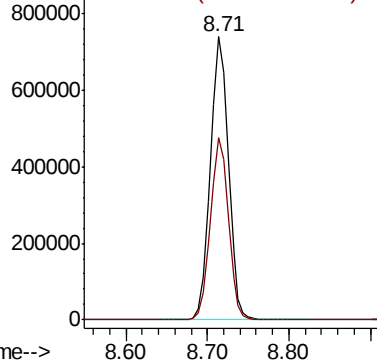
98 100

100 64.1 52.0 78.0

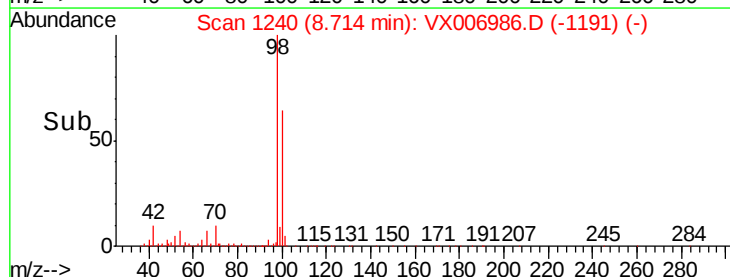


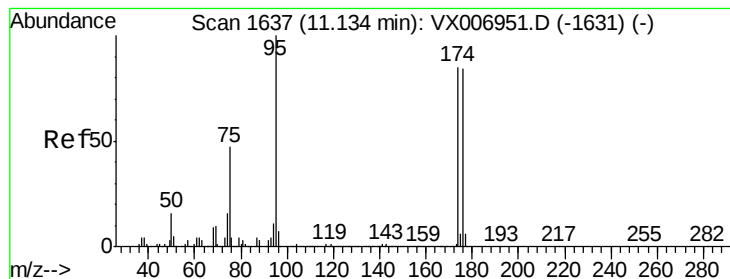
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 51.312 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

TB

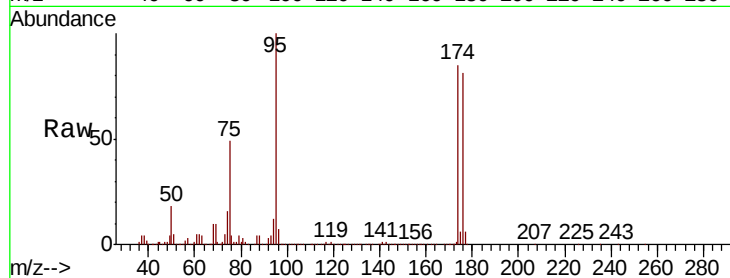
Tgt Ion: 95 Resp: 398547

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.2

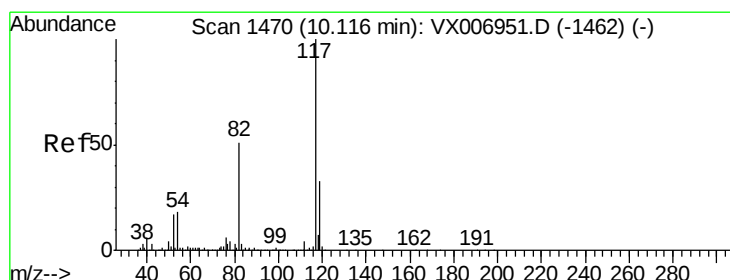
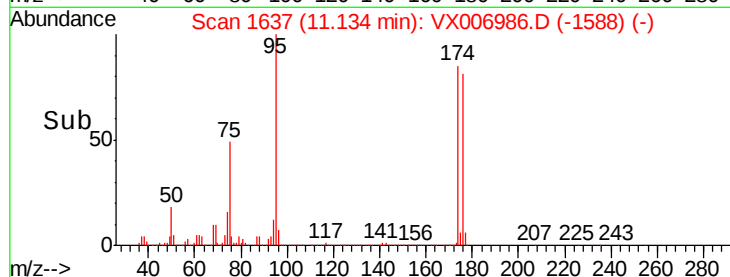
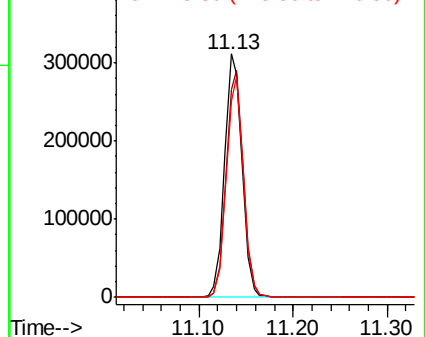
176 88.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

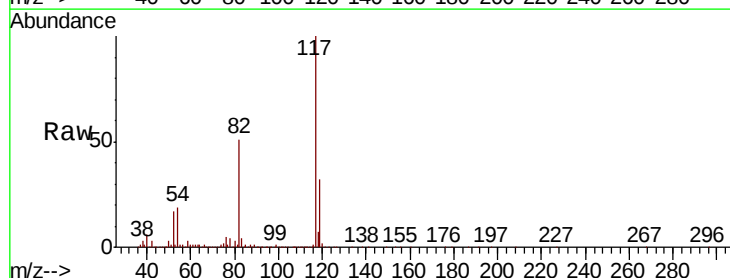
Tgt Ion: 117 Resp: 880203

Ion Ratio Lower Upper

117 100

82 51.2 41.0 61.6

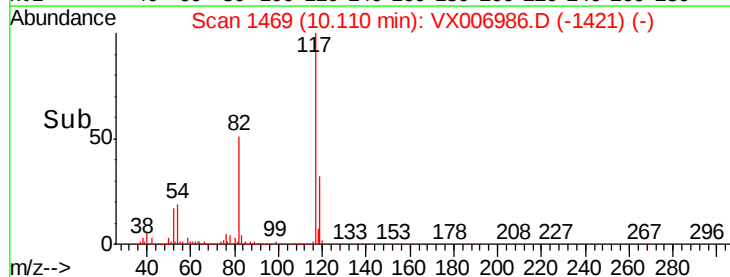
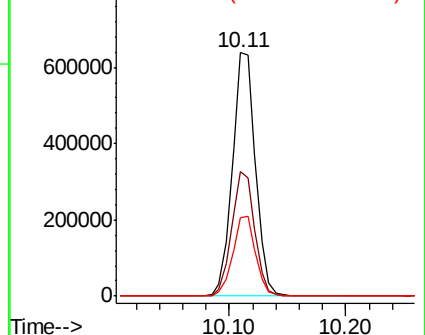
119 32.2 25.4 38.0

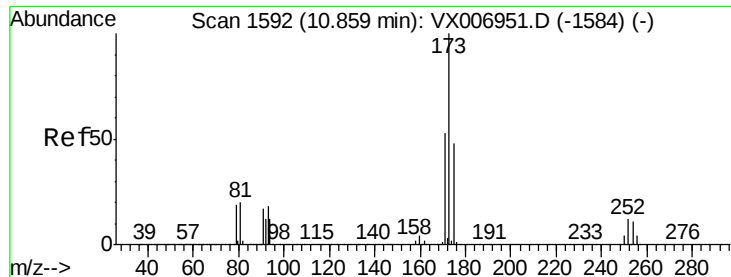


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 4.746 ug/l

RT: 10.84 min Scan# 1589

Delta R.T. -0.02 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

TB

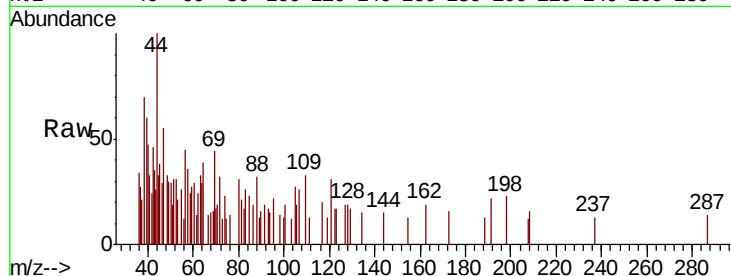
Tgt Ion:173 Resp: 115

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

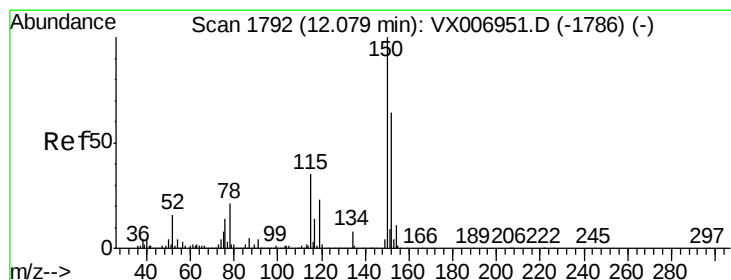
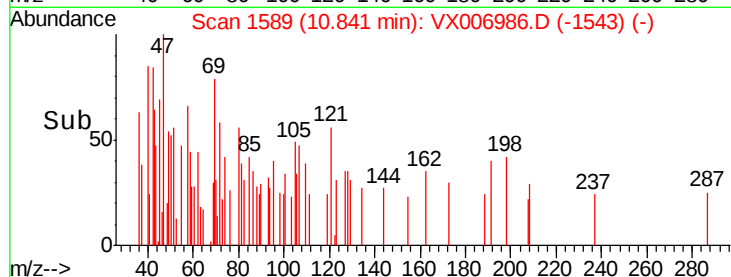
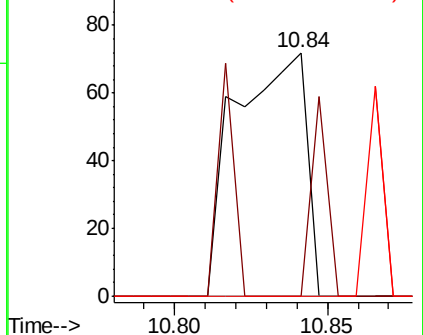
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006986.D

Acq: 10 Jan 2019 13:34

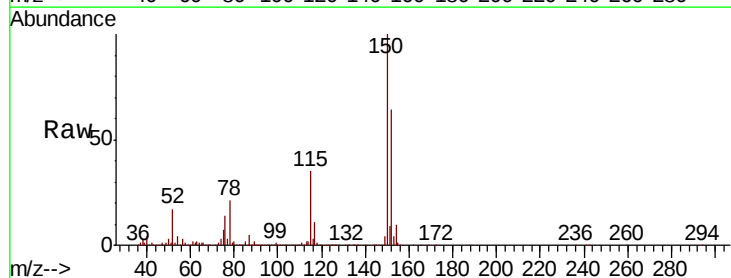
Tgt Ion:152 Resp: 422310

Ion Ratio Lower Upper

152 100

115 55.2 39.1 117.2

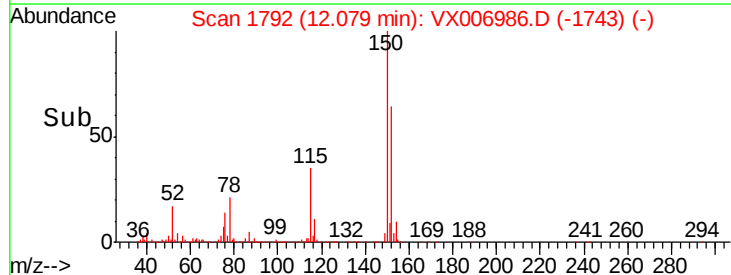
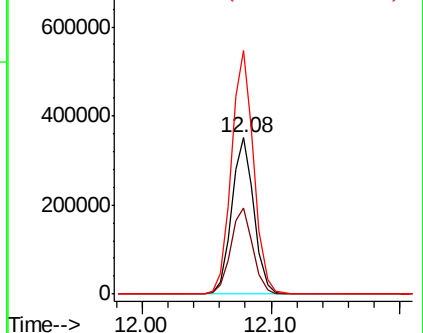
150 155.9 0.0 344.8

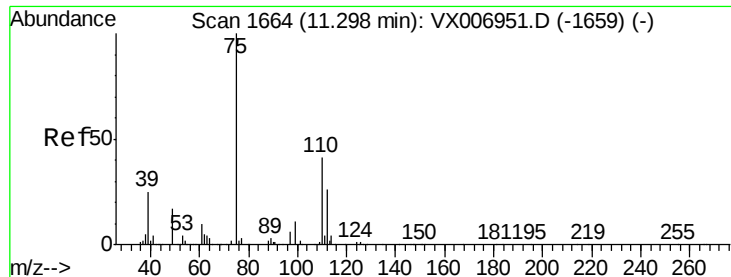


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.203 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

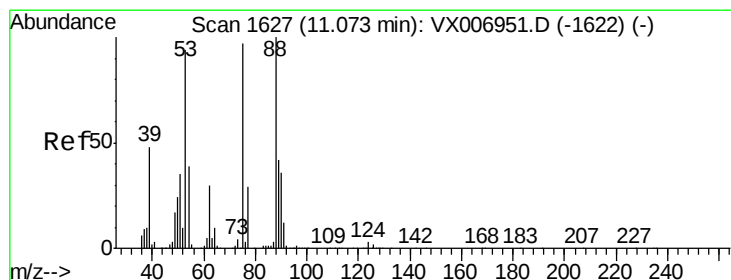
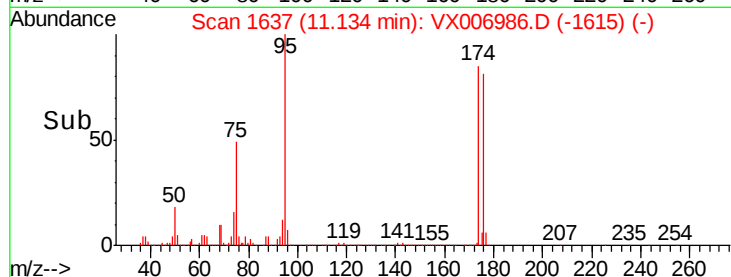
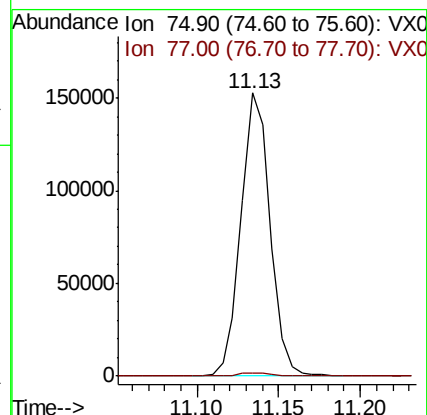
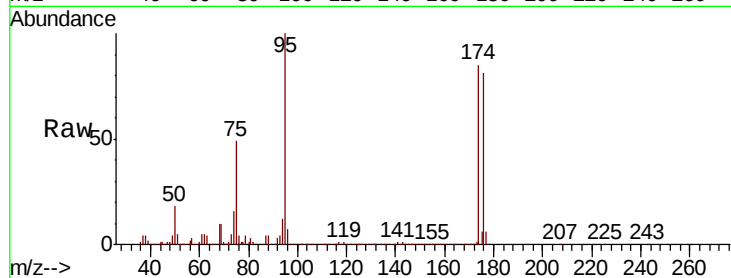
TB

Tgt Ion: 75 Resp: 190014

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.720 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006986.D

Acq: 10 Jan 2019 13:34

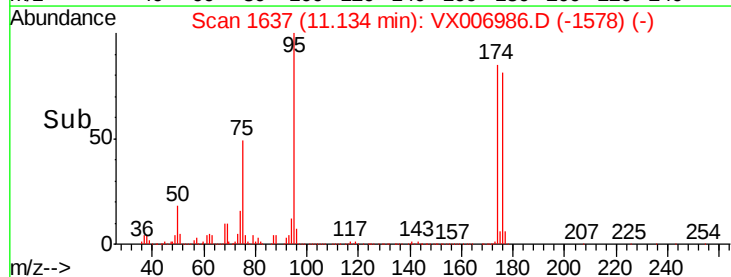
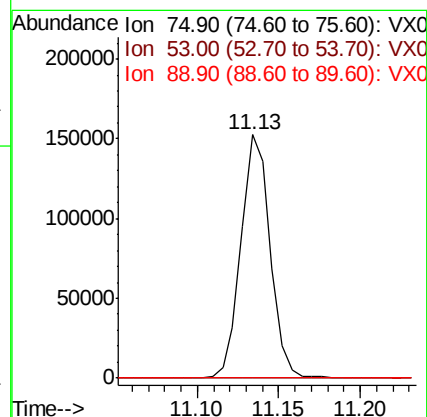
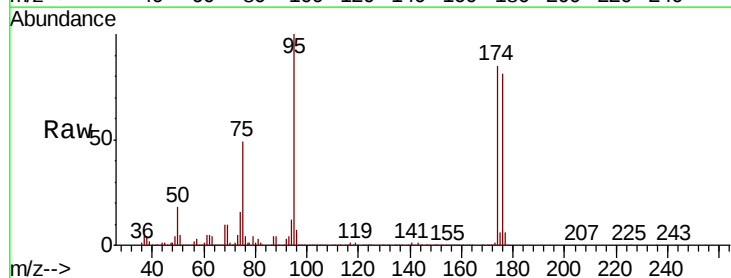
Tgt Ion: 75 Resp: 190014

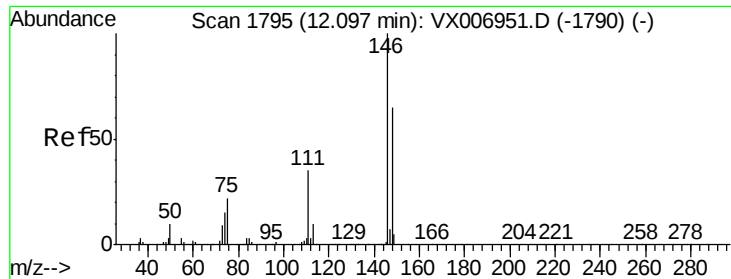
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#

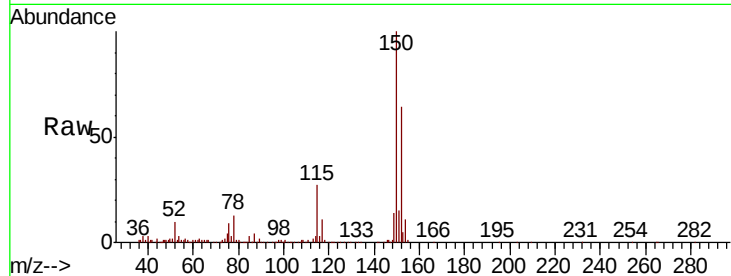




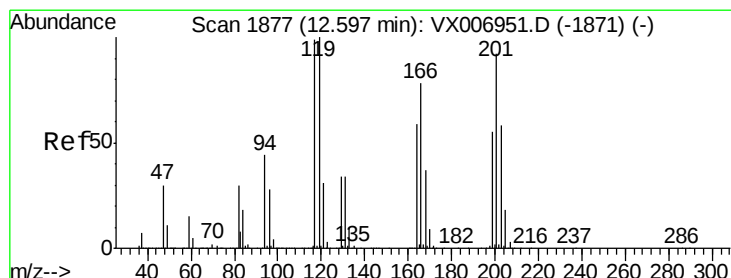
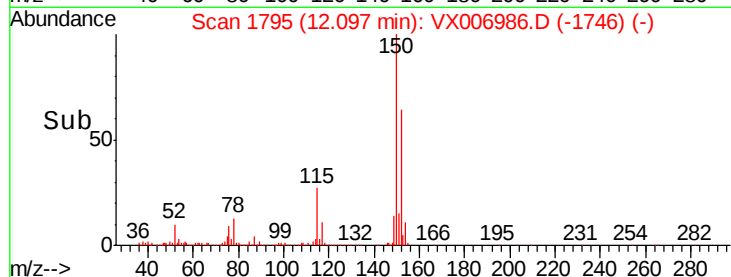
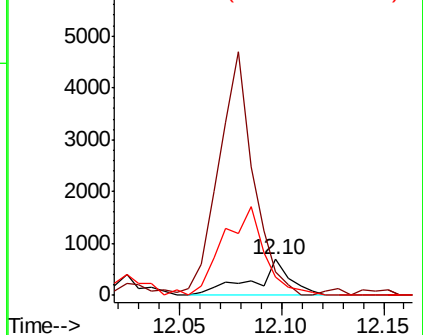
#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006986.D
 Acq: 10 Jan 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Tgt Ion:146 Resp: 879
 Ion Ratio Lower Upper
 146 100
 111 629.4 18.1 54.1#
 148 274.2 31.9 95.9#

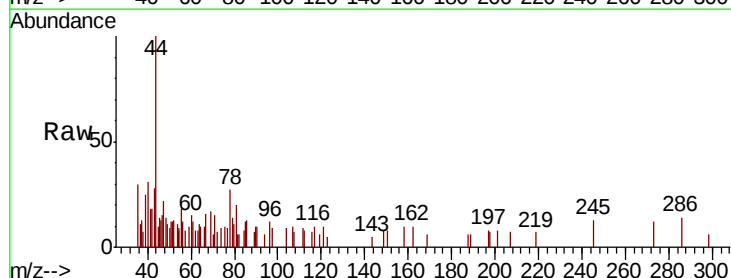


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#90
 Hexachloroethane
 Concen: 2.916 ug/l
 RT: 12.49 min Scan# 1859
 Delta R.T. -0.11 min
 Lab File: VX006986.D
 Acq: 10 Jan 2019 13:34

Tgt Ion:117 Resp: 35
 Ion Ratio Lower Upper
 117 100
 201 74.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V

