

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018152.D
 Acq On : 31 Aug 2020 17:02
 Operator : JC/SP
 Sample : L3846-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-738-740

Quant Time: Sep 01 05:32:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	489198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	791473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	733720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	361159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	340643	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	5.47	113	271449	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.70	98	949027	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.12	95	352745	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	

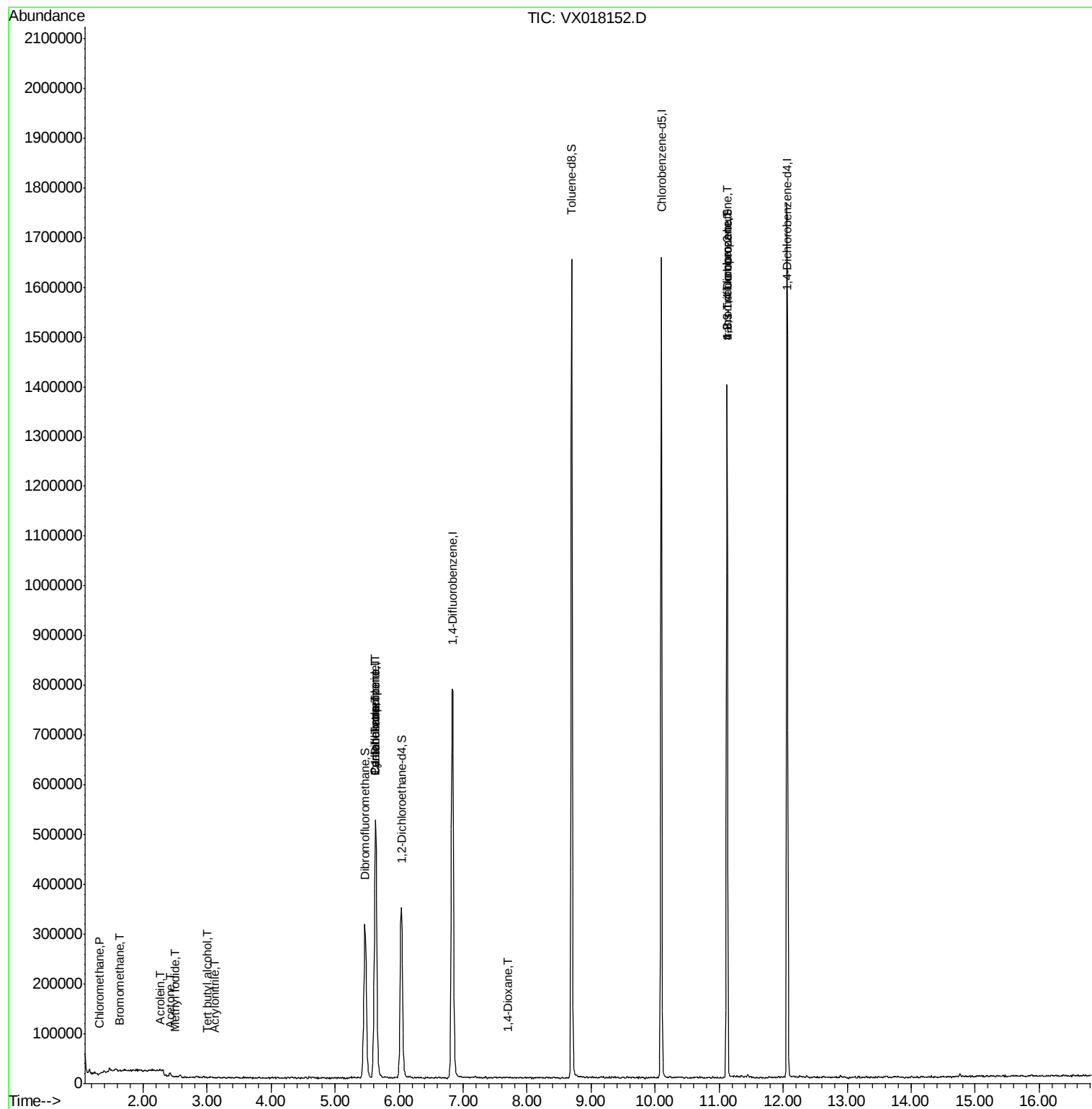
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1282	0.204	ug/l #	81
5) Bromomethane	1.64	94	782	0.259	ug/l	90
10) Methyl Iodide	2.50	142	143	5.313	ug/l #	1
11) Tert butyl alcohol	3.01	59	524	0.397	ug/l #	1
13) Acrolein	2.27	56	1194	2.181	ug/l #	14
15) Acrylonitrile	3.12	53	776	0.259	ug/l #	77
16) Acetone	2.42	43	9097	3.438	ug/l	92
20) Methylene Chloride	2.85	84	1797	Below Cal	#	78
31) Cyclohexane	5.63	56	9945	1.223	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	37200	5.096	ug/l #	52
38) Carbon Tetrachloride	5.64	117	50336	6.118	ug/l #	16
49) 1,4-Dioxane	7.70	88	193	1.563	ug/l #	45
76) 1,2,3-Trichloropropane	11.12	75	184032	22.906	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	184032	61.866	ug/l #	12

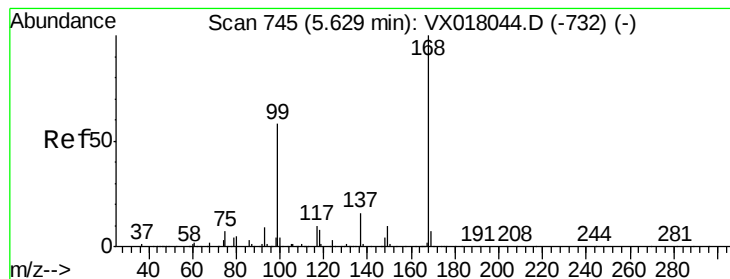
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

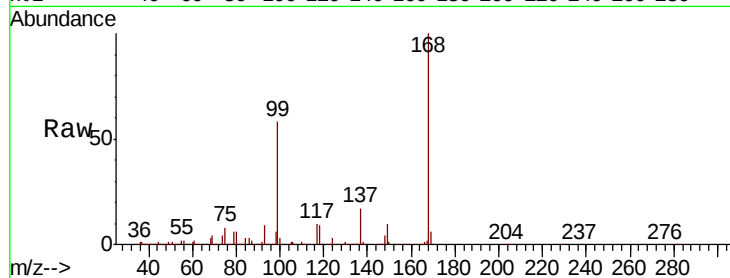
BP-VPB181-GW-738-740

Tot Ion:168 Resp: 489198

Ion Ratio Lower Upper

168 100

99 57.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

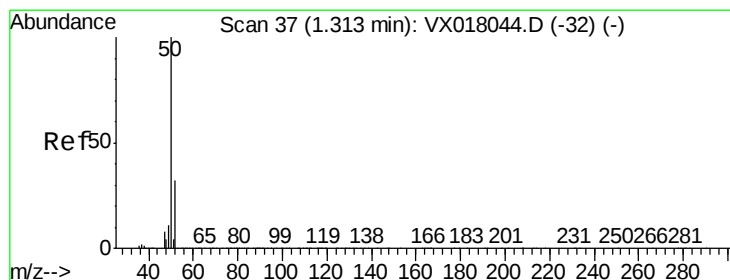
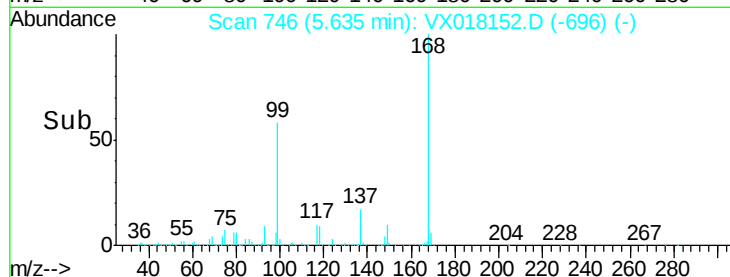
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018152.D

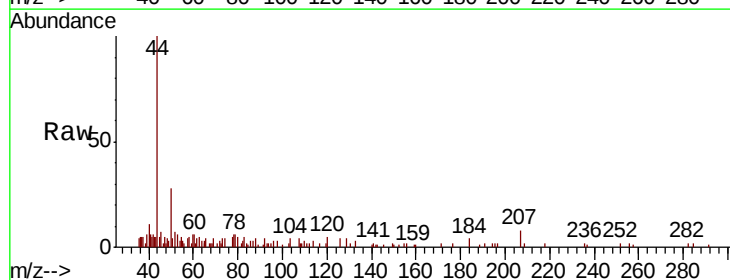
Acq: 31 Aug 2020 17:02

Tgt Ion: 50 Resp: 1282

Ion Ratio Lower Upper

50 100

52 21.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

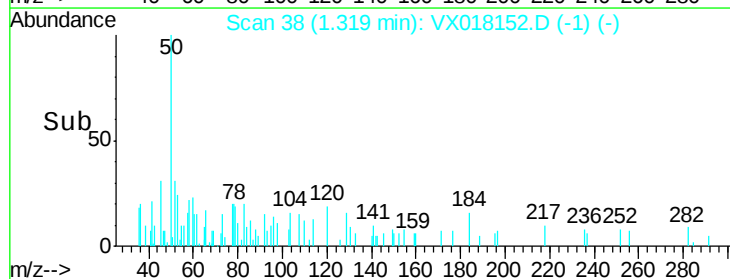
1.32

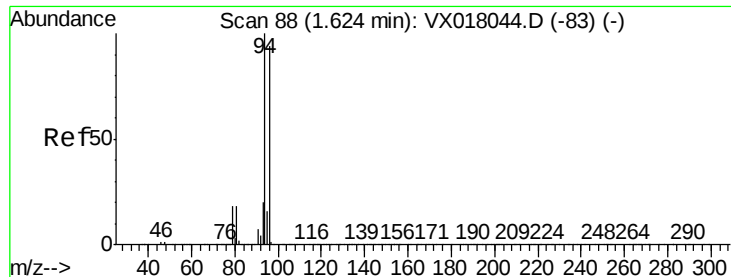
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

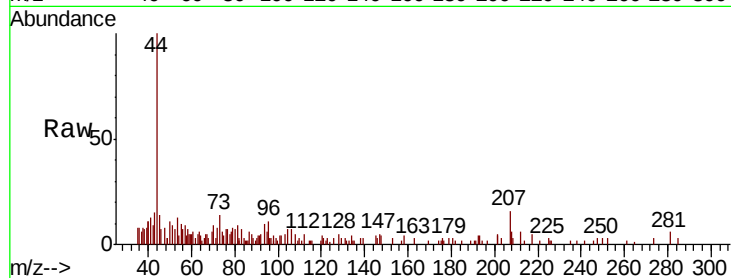
BP-VPB181-GW-738-740

Tot Ion: 94 Resp: 782

Ion Ratio Lower Upper

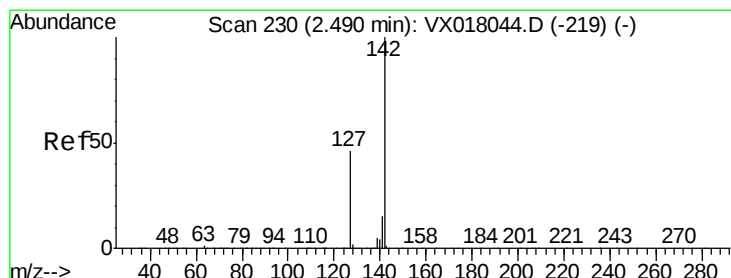
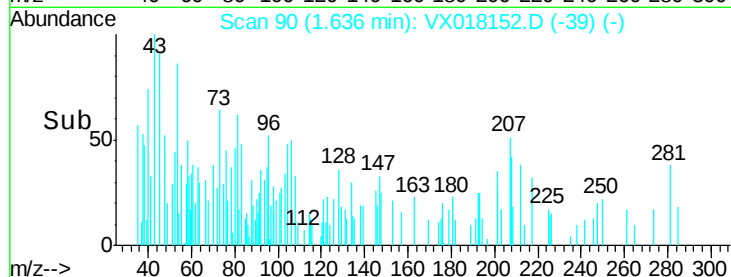
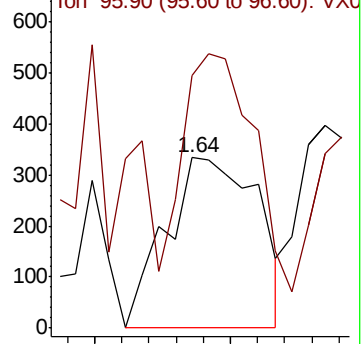
94 100

96 103.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.313 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

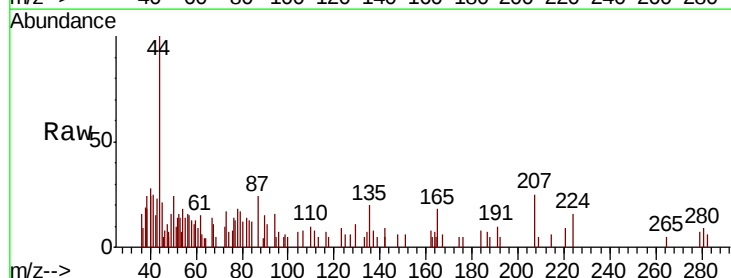
Tgt Ion: 142 Resp: 143

Ion Ratio Lower Upper

142 100

127 160.1 37.0 55.6#

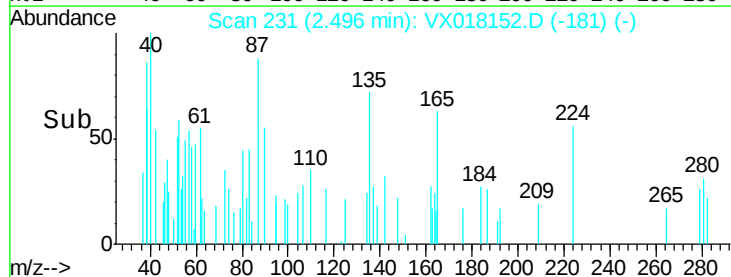
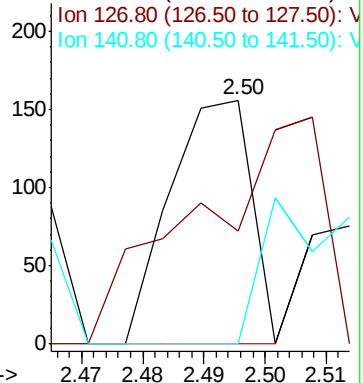
141 60.1 11.5 17.3#

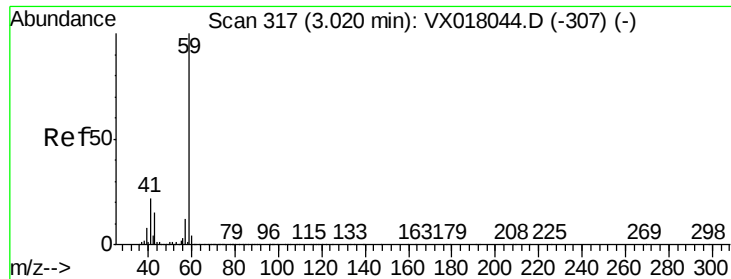


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

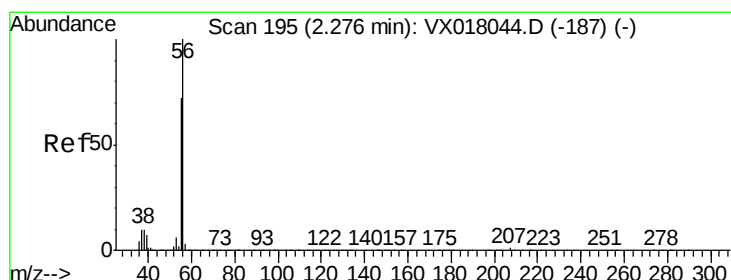
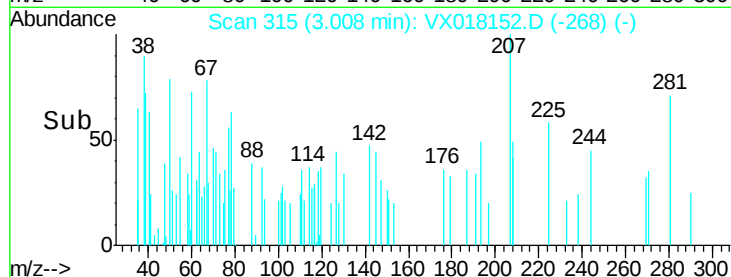
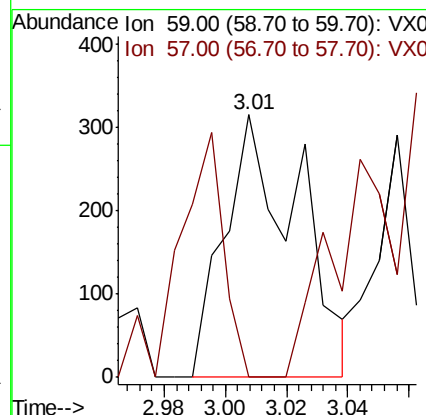
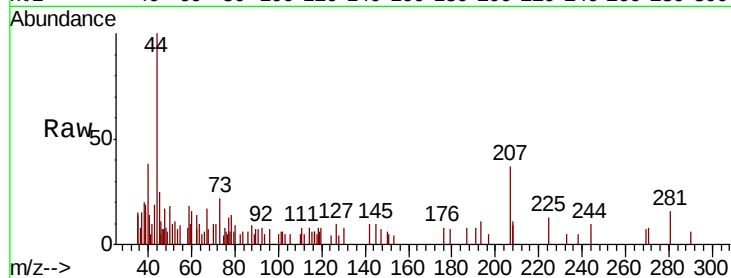




#11
Tert butyl alcohol
Concen: 0.397 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018152.D
Acq: 31 Aug 2020 17:02

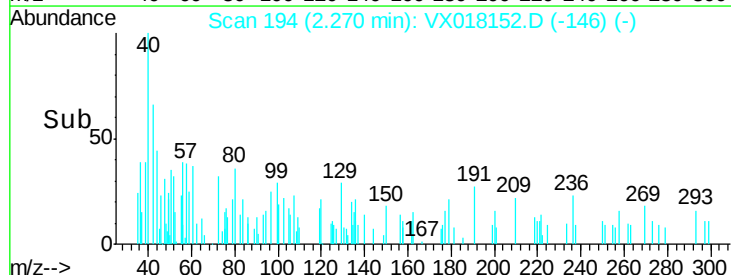
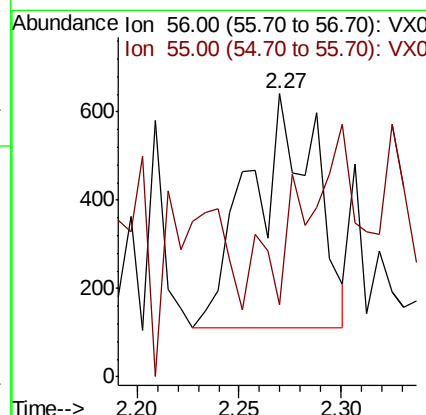
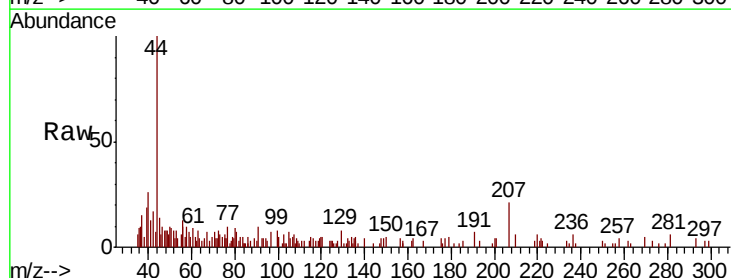
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-738-740

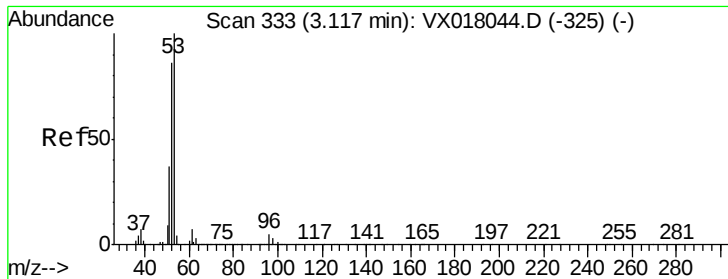
Tot Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 57.3 8.9 13.3#



#13
Acrolein
Concen: 2.181 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018152.D
Acq: 31 Aug 2020 17:02

Tgt Ion: 56 Resp: 1194
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.259 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-738-740

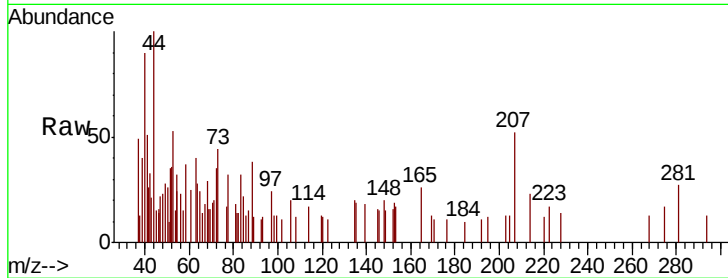
Tot Ion: 53 Resp: 776

Ion Ratio Lower Upper

53 100

52 65.2 66.9 100.3#

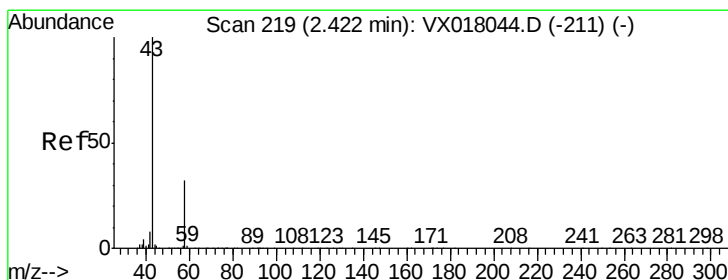
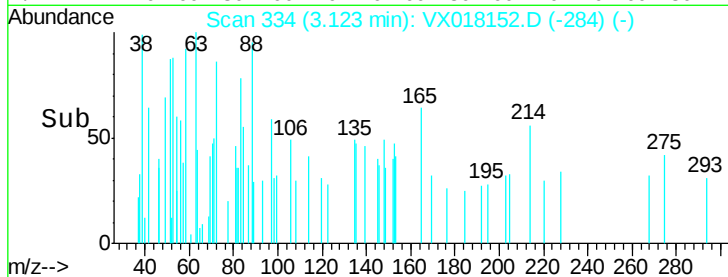
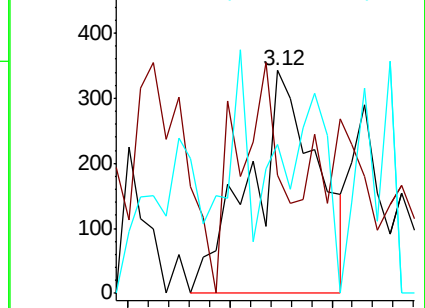
51 19.6 28.7 43.1#



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: 3.438 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018152.D

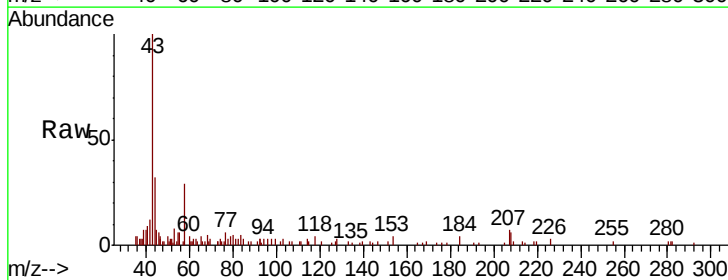
Acq: 31 Aug 2020 17:02

Tgt Ion: 43 Resp: 9097

Ion Ratio Lower Upper

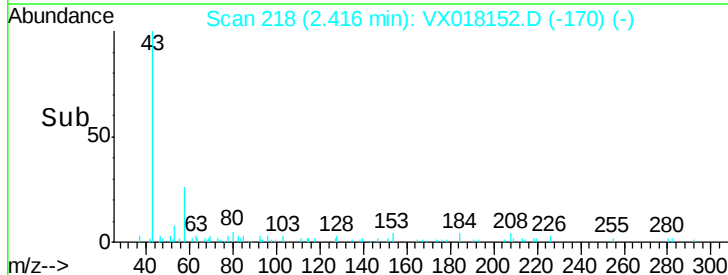
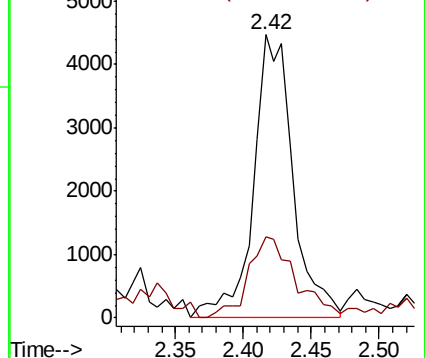
43 100

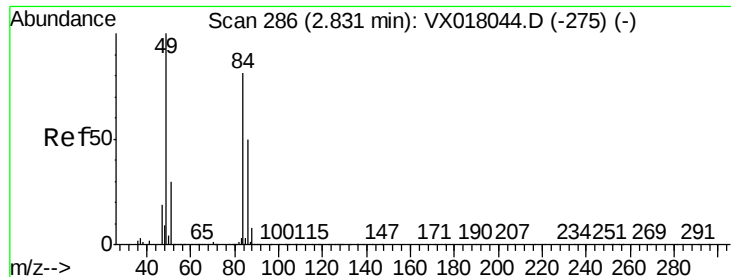
58 27.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

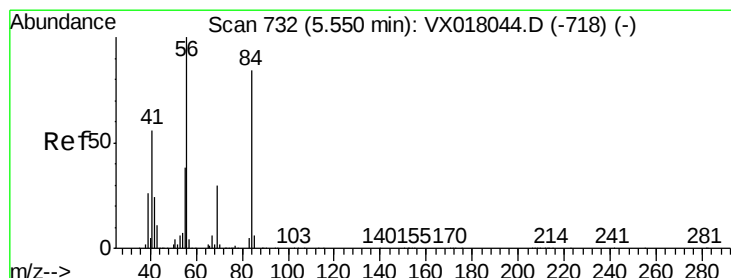
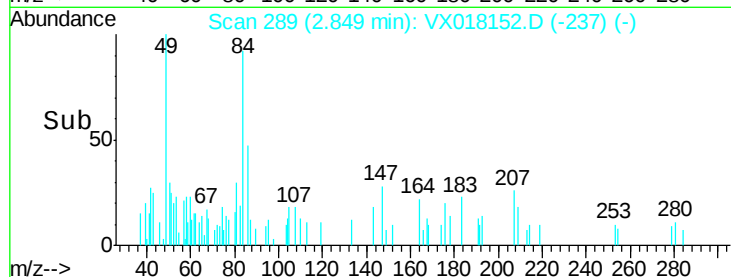
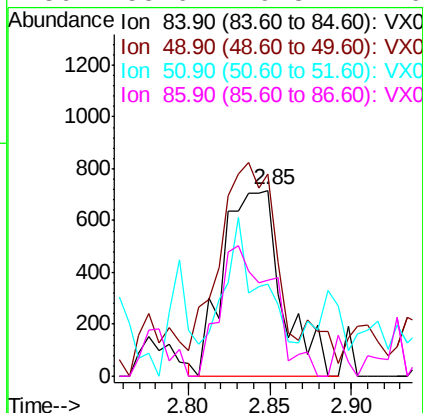
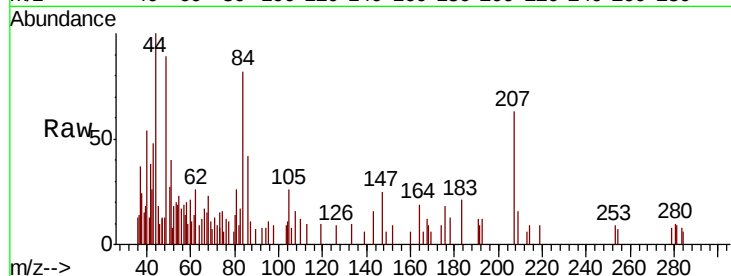




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.02 min
Lab File: VX018152.D
Acq: 31 Aug 2020 17:02

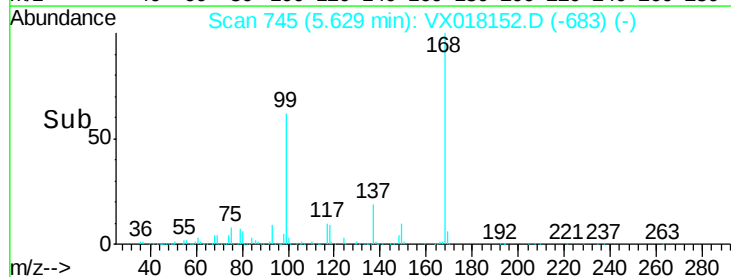
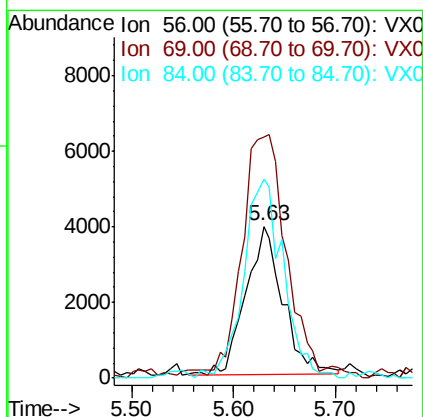
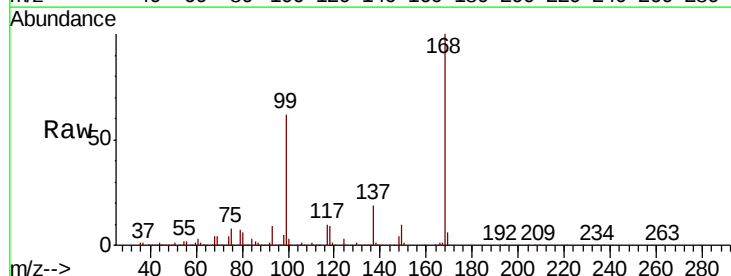
Instrument :
MSVOA_X
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BP-VPB181-GW-738-740

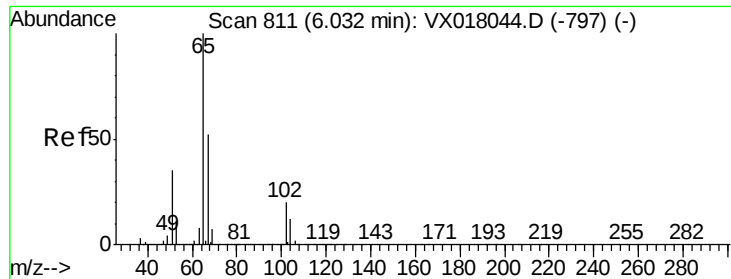
Tot Ion:	84	Resp:	1797
Ion	Ratio	Lower	Upper
84	100		
49	90.4	98.6	148.0#
51	26.3	29.6	44.4#
86	55.6	49.8	74.6



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018152.D
Acq: 31 Aug 2020 17:02

Tgt Ion:	56	Resp:	9945
Ion	Ratio	Lower	Upper
56	100		
69	158.1	23.9	35.9#
84	135.3	67.0	100.4#

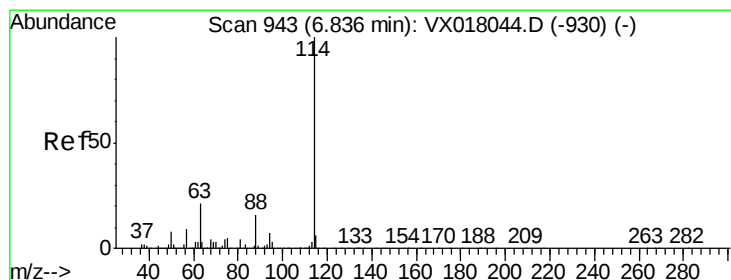
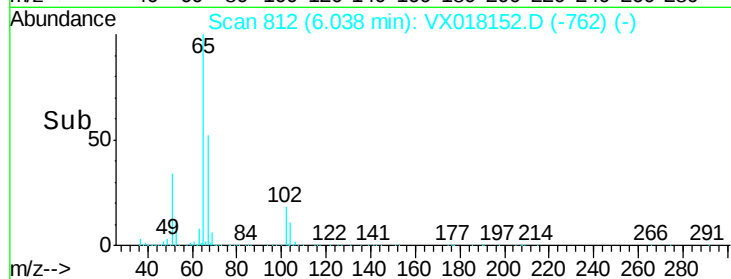
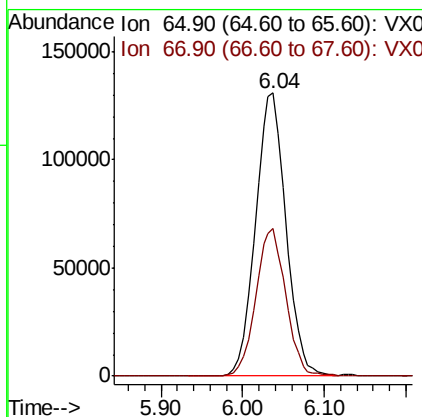
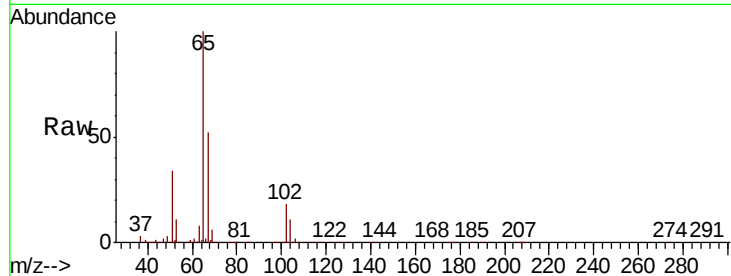




#33
 1,2-Dichloroethane-d4
 Concen: 50.159 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018152.D
 Acq: 31 Aug 2020 17:02

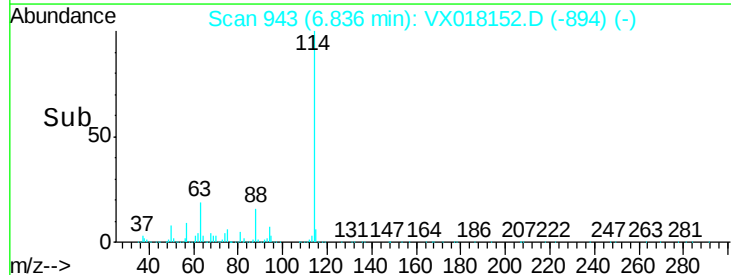
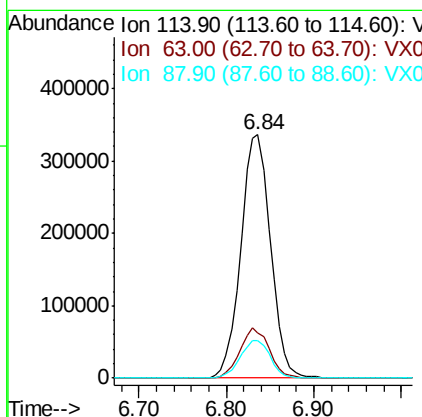
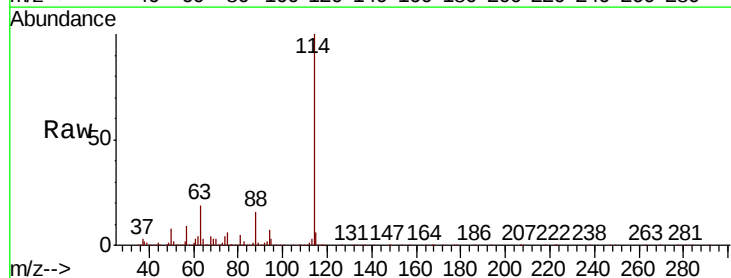
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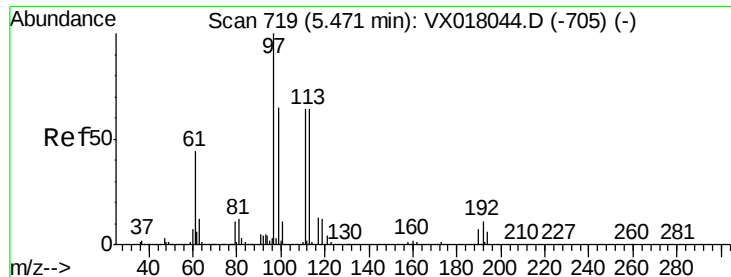
Tot Ion: 65 Resp: 340643
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018152.D
 Acq: 31 Aug 2020 17:02

Tgt Ion: 114 Resp: 791473
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.6
 88 15.6 0.0 31.8

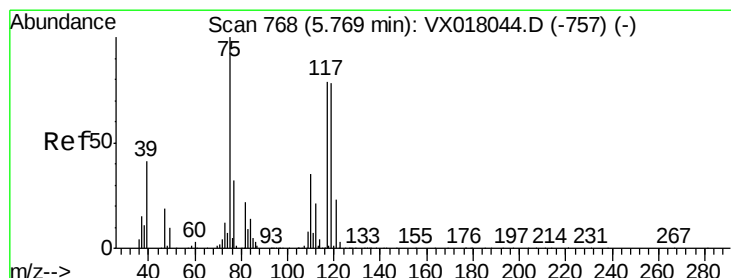
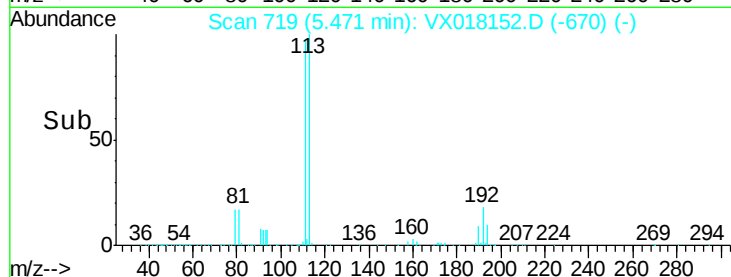
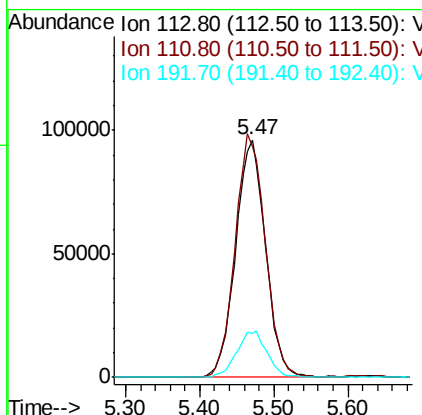
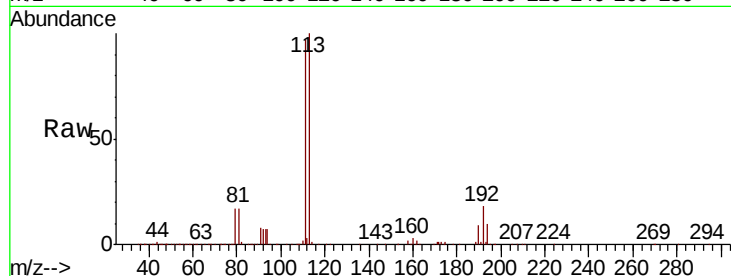




#35
 Dibromofluoromethane
 Concen: 50.359 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018152.D
 Acq: 31 Aug 2020 17:02

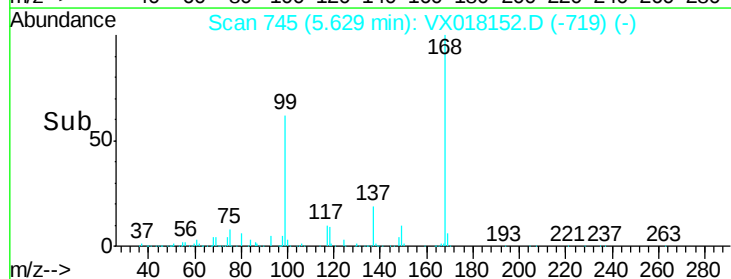
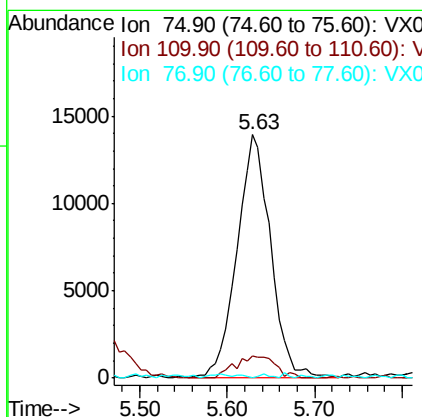
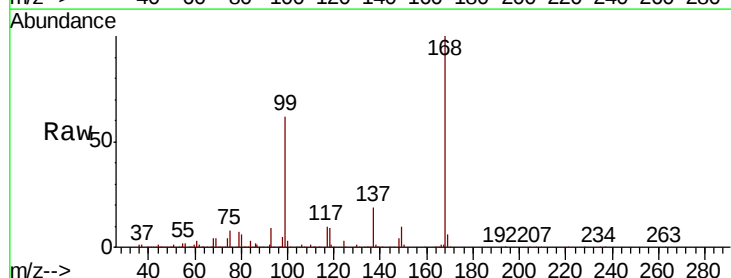
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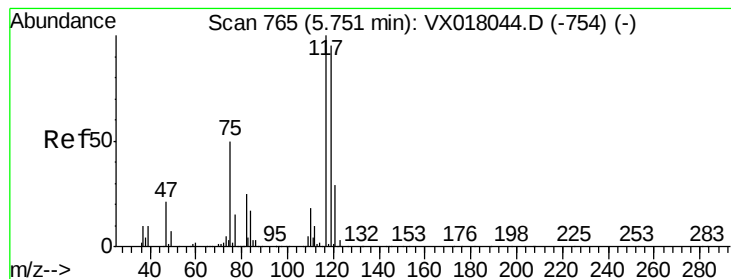
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	19.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.096 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018152.D
 Acq: 31 Aug 2020 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.0	54.0#
77	0.5	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-738-740

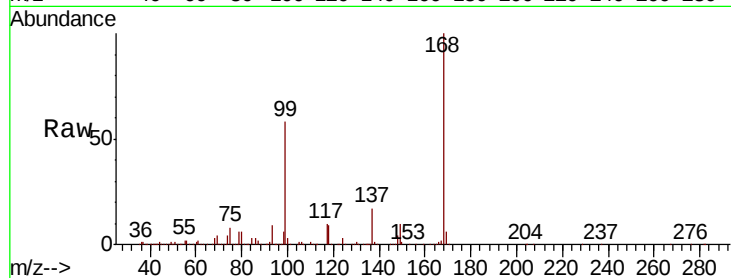
Tot Ion:117 Resp: 50336

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

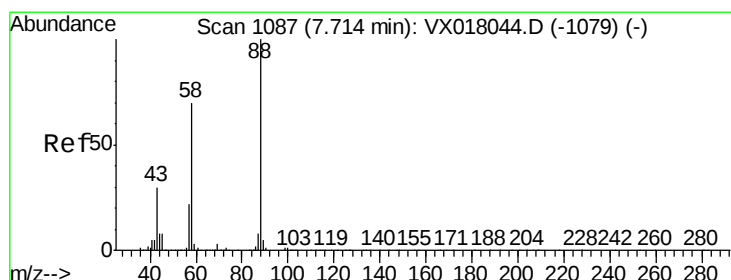
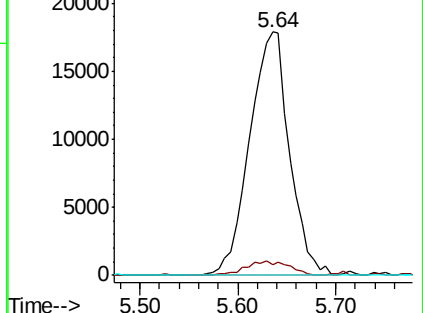
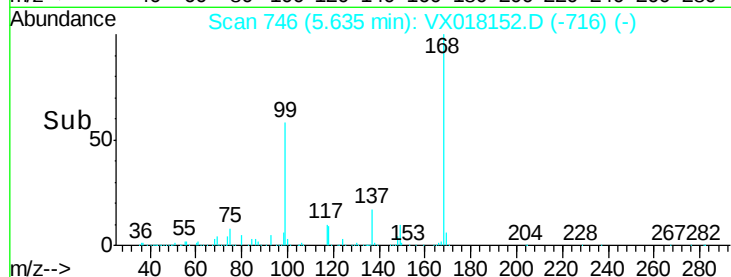
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.563 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

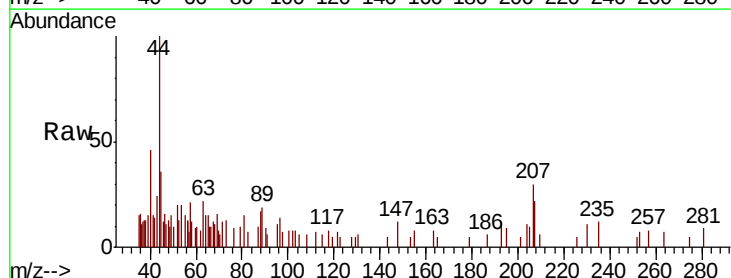
Tgt Ion: 88 Resp: 193

Ion Ratio Lower Upper

88 100

43 91.7 27.4 41.0#

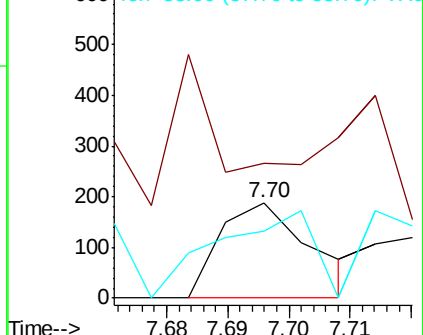
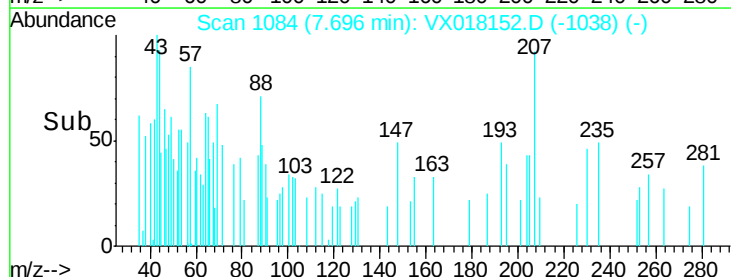
58 97.4 56.4 84.6#

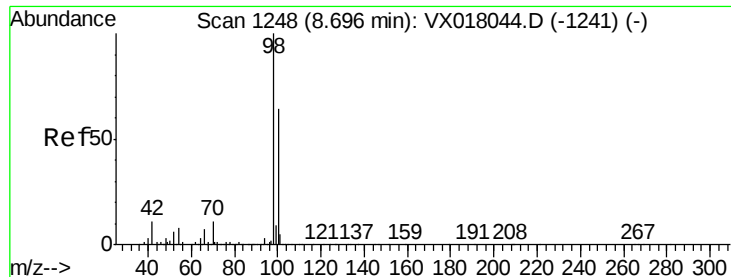


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.270 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

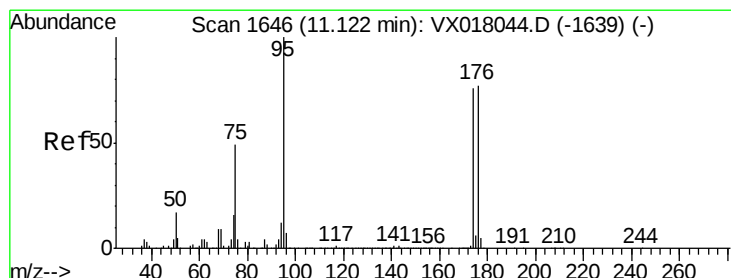
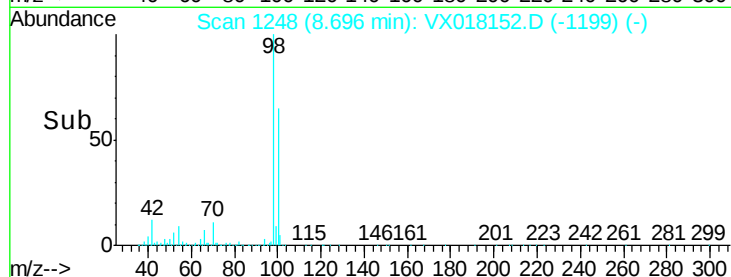
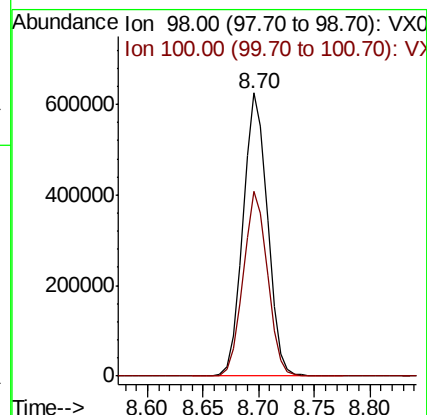
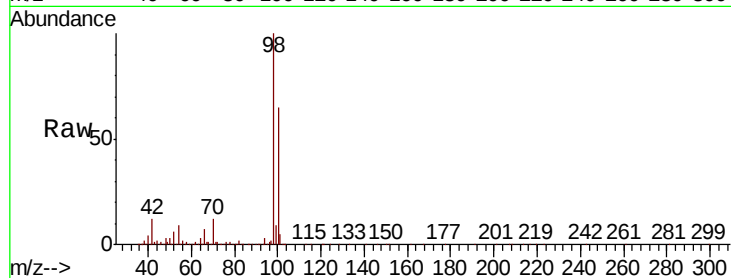
BP-VPB181-GW-738-740

Tot Ion: 98 Resp: 949027

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.657 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

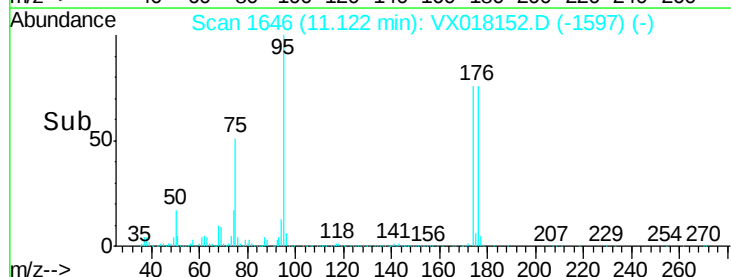
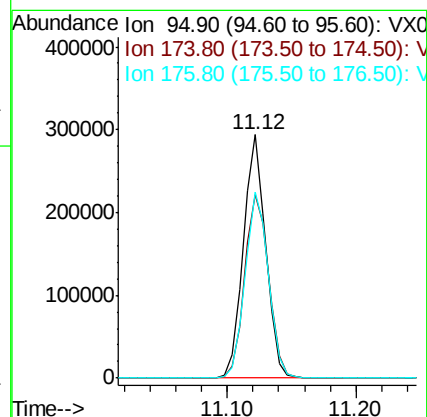
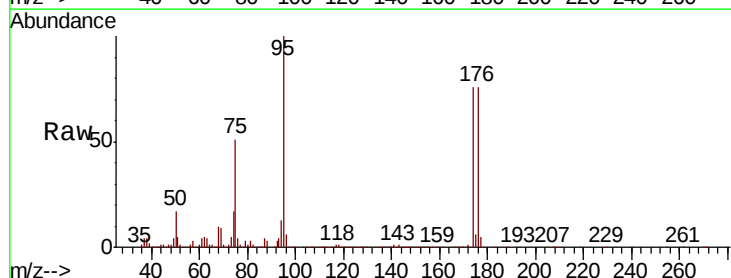
Tgt Ion: 95 Resp: 352745

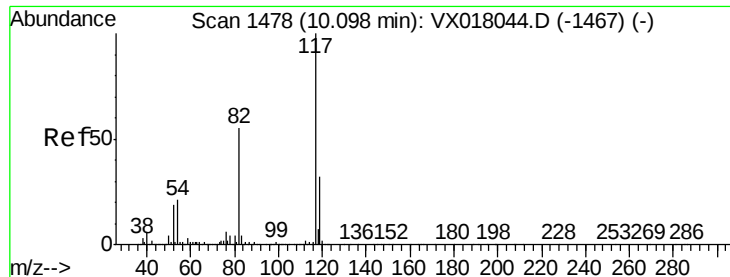
Ion Ratio Lower Upper

95 100

174 80.9 0.0 160.2

176 79.3 0.0 155.8

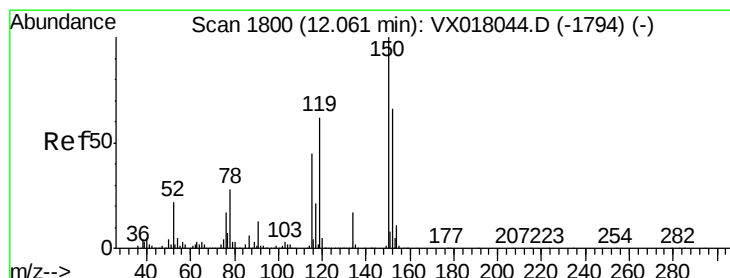
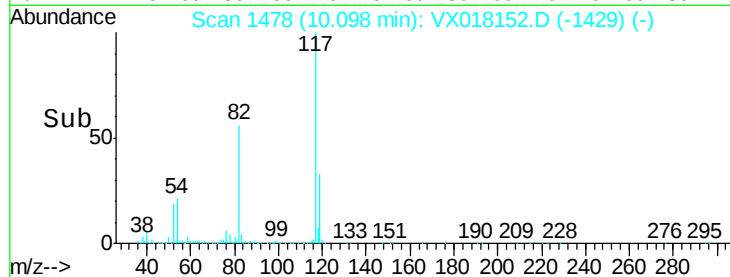
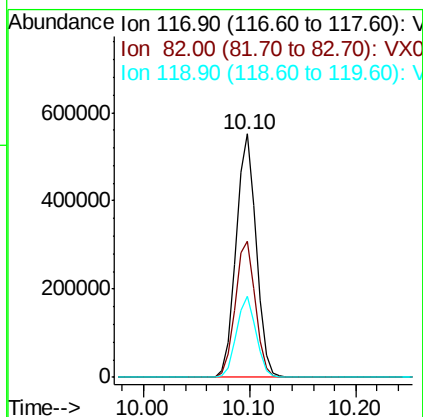
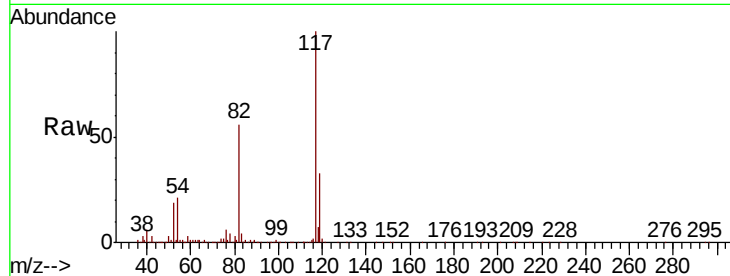




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018152.D
Acq: 31 Aug 2020 17:02

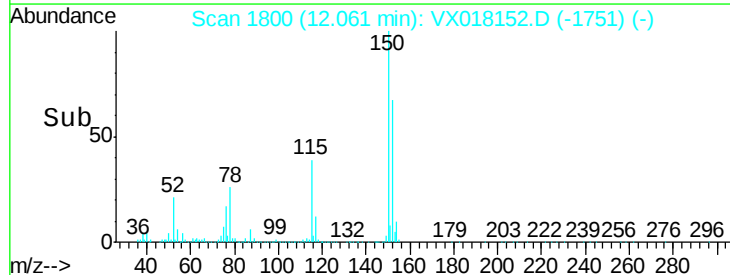
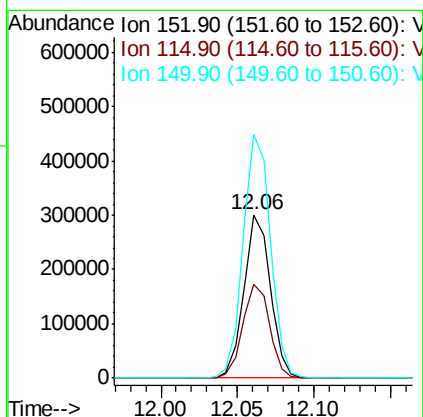
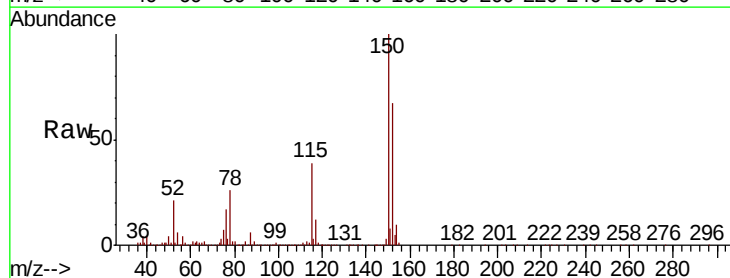
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-738-740

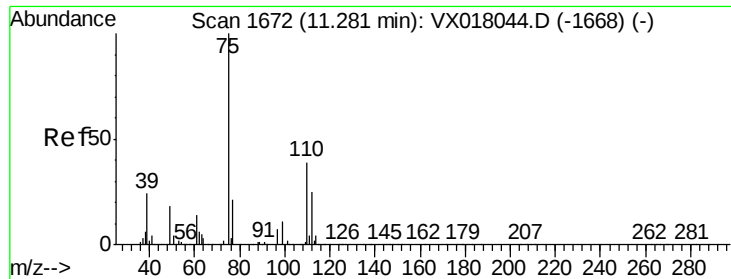
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.2	66.2
119	33.3	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018152.D
Acq: 31 Aug 2020 17:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	41.5	124.5
150	154.5	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

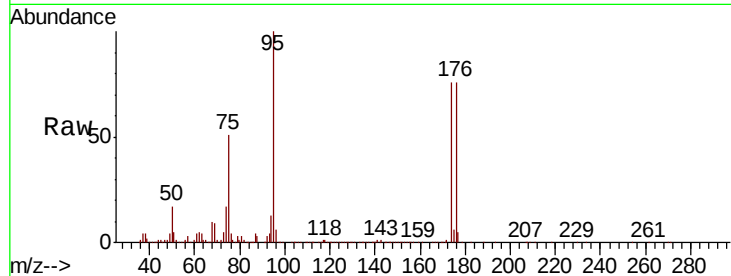
BP-VPB181-GW-738-740

Tot Ion: 75 Resp: 184032

Ion Ratio Lower Upper

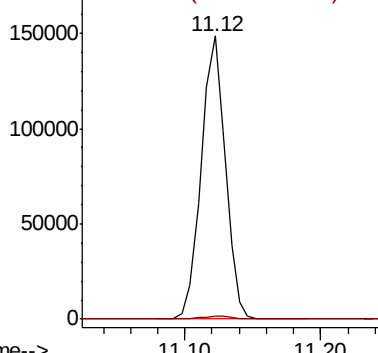
75 100

77 1.5 20.8 62.2#

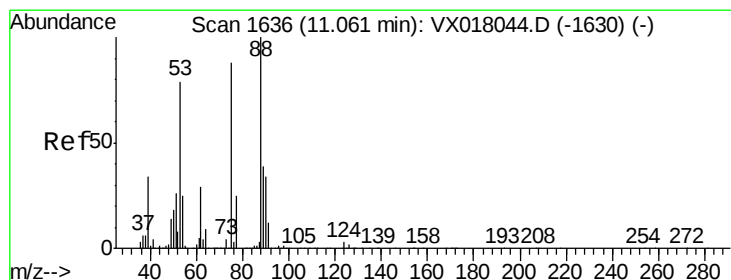
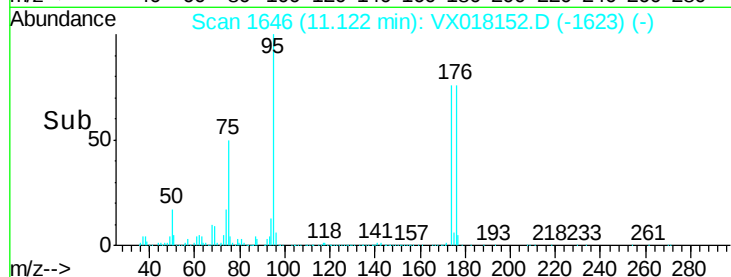


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.866 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018152.D

Acq: 31 Aug 2020 17:02

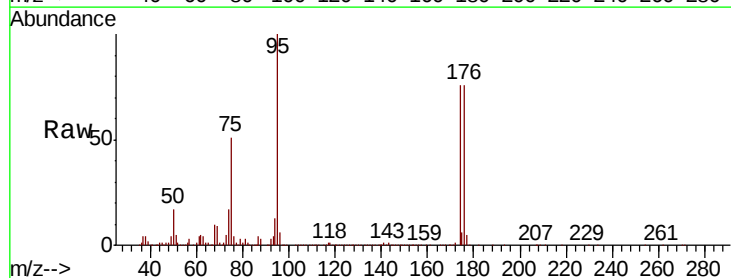
Tgt Ion: 75 Resp: 184032

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

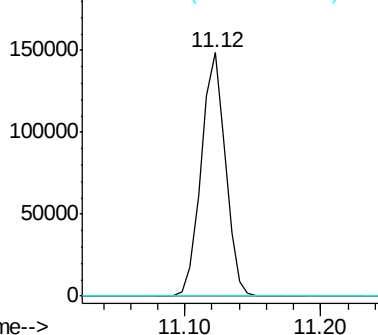
89 0.1 36.6 54.8#



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



Time-->

