

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013592.D
 Acq On : 25 Nov 2019 19:30
 Operator : JC/SP
 Sample : K5968-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20191121

Quant Time: Nov 26 03:17:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	663529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1077782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	437548	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	395328	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	5.49	113	327130	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	1295661	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.14	95	437745	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	

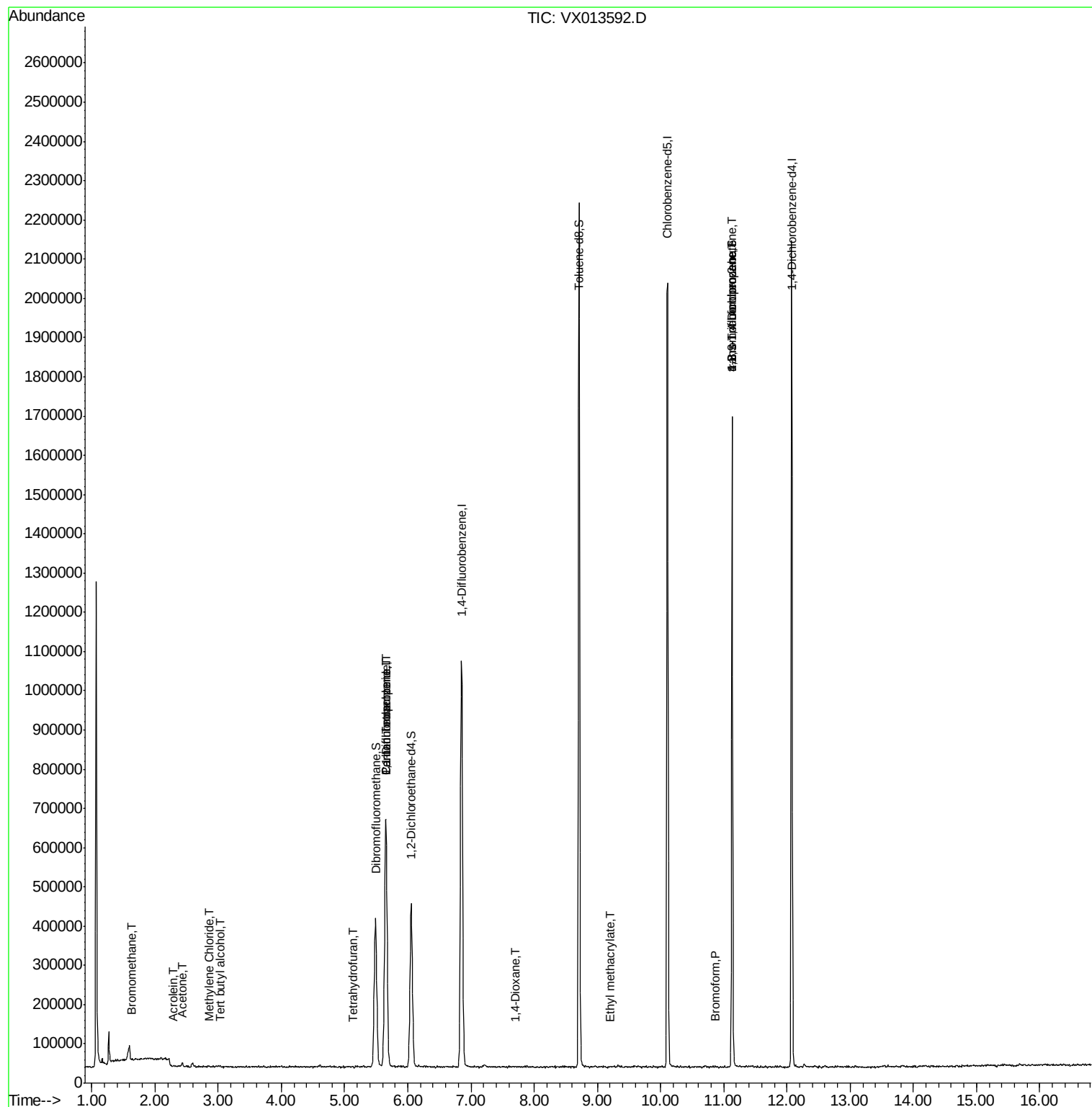
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1596	0.243	ug/l #	44
6) Chloroethane	1.78	64	1161	Below Cal	#	45
11) Tert butyl alcohol	3.03	59	575	0.278	ug/l #	1
13) Acrolein	2.29	56	440	0.392	ug/l #	1
16) Acetone	2.43	43	10655	2.717	ug/l	98
20) Methylene Chloride	2.85	84	1872	0.258	ug/l #	43
29) Tetrahydrofuran	5.14	42	860	0.243	ug/l #	33
36) 1,1-Dichloropropene	5.65	75	43185	4.671	ug/l #	50
38) Carbon Tetrachloride	5.65	117	55873	6.180	ug/l #	17
49) 1,4-Dioxane	7.70	88	227	1.116	ug/l #	1
56) Ethyl methacrylate	9.20	69	1088	1.646	ug/l #	22
71) Bromoform	10.87	173	221	3.234	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	207911	23.395	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	207911	60.217	ug/l #	9

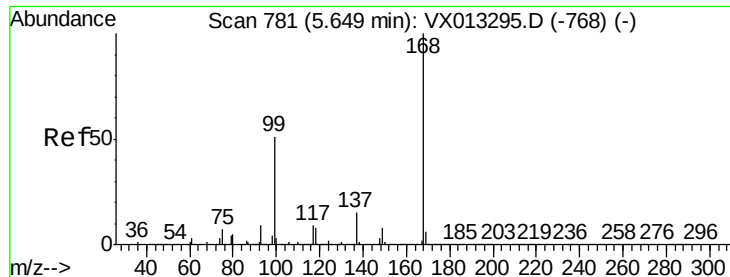
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112519\
Data File : VX013592.D
Acq On : 25 Nov 2019 19:30
Operator : JC/SP
Sample : K5968-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20191121

Quant Time: Nov 26 03:17:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

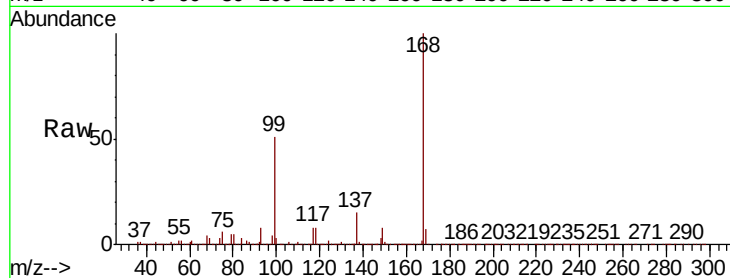
MH-140N-20191121

Tot Ion:168 Resp: 663529

Ion Ratio Lower Upper

168 100

99 50.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

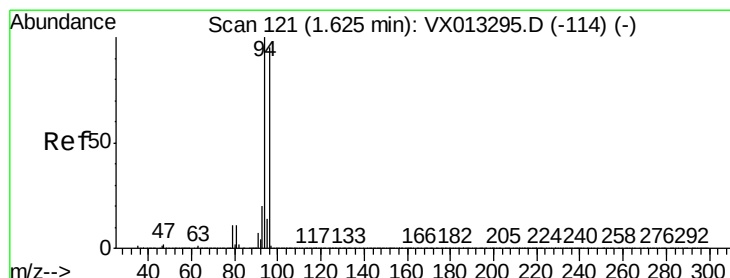
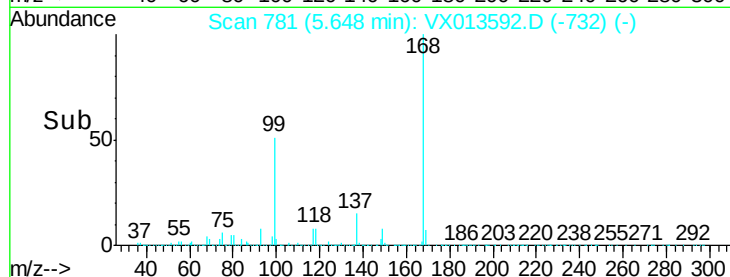
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX013592.D

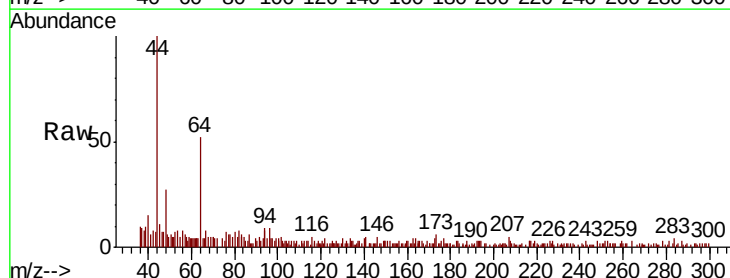
Acq: 25 Nov 2019 19:30

Tgt Ion: 94 Resp: 1596

Ion Ratio Lower Upper

94 100

96 40.7 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1000

800

600

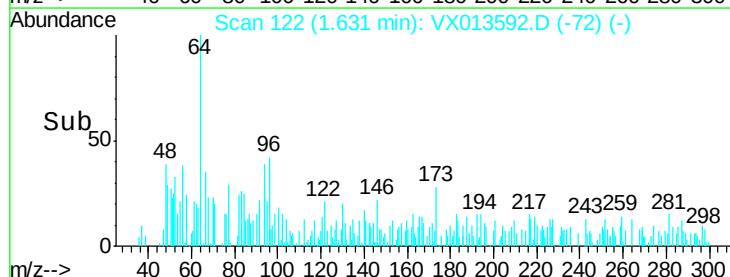
400

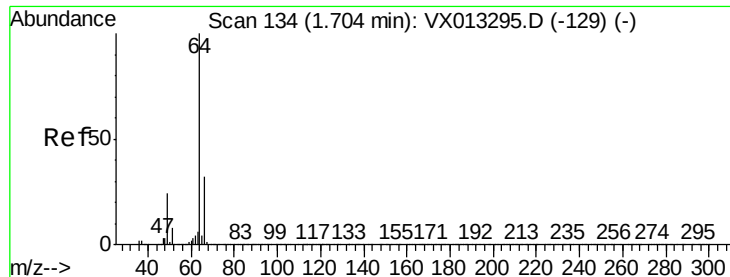
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 147

Delta R.T. 0.08 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

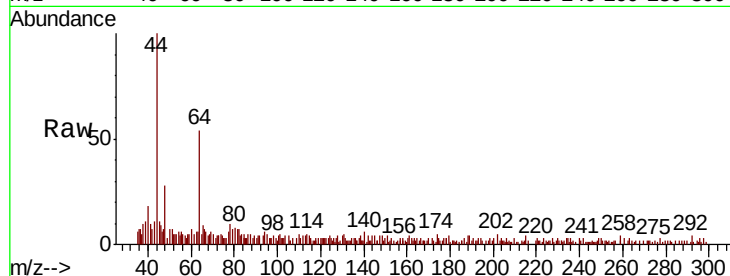
MH-140N-20191121

Tot Ion: 64 Resp: 1161

Ion Ratio Lower Upper

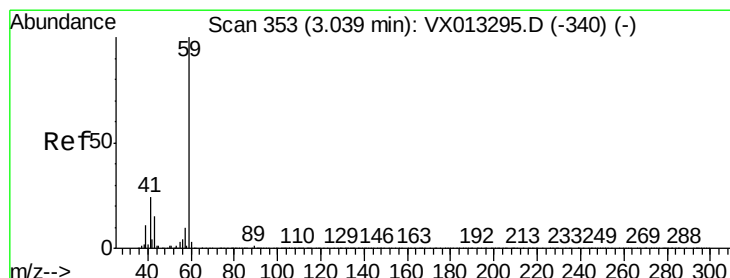
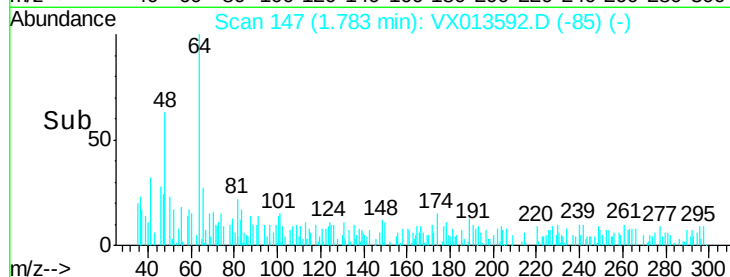
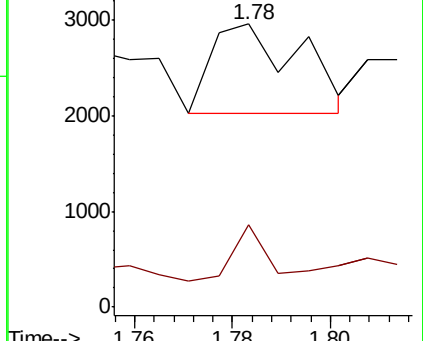
64 100

66 62.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX013592.D

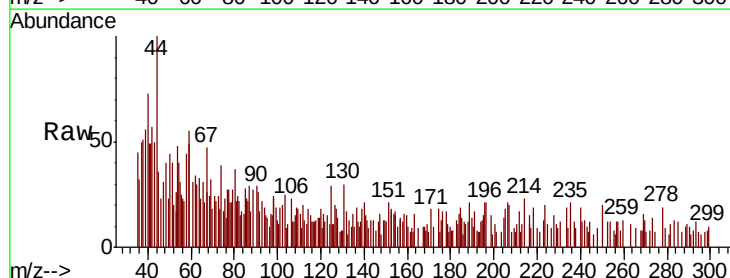
Acq: 25 Nov 2019 19:30

Tgt Ion: 59 Resp: 575

Ion Ratio Lower Upper

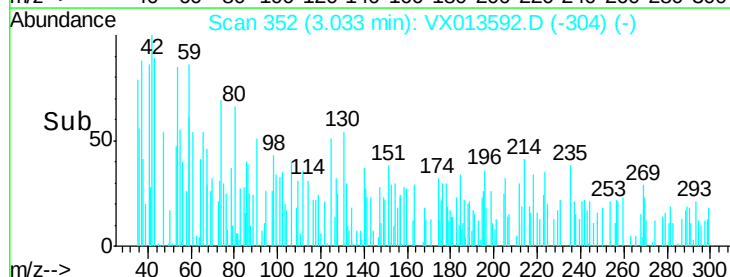
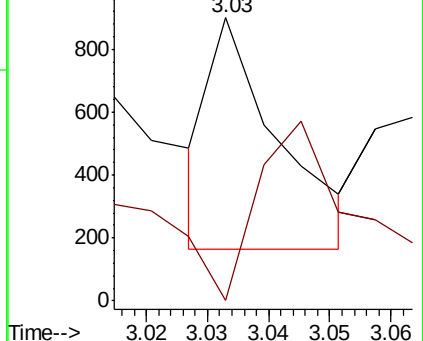
59 100

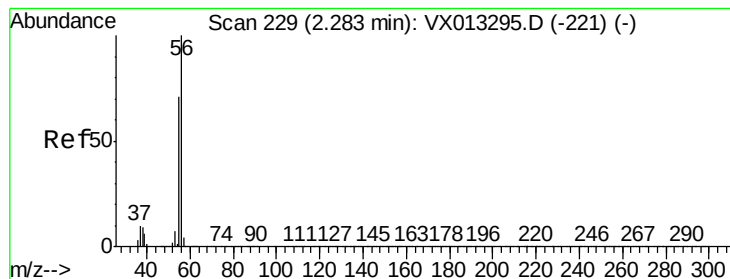
57 109.7 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.392 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

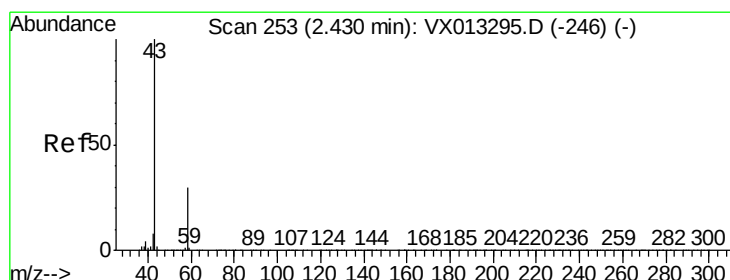
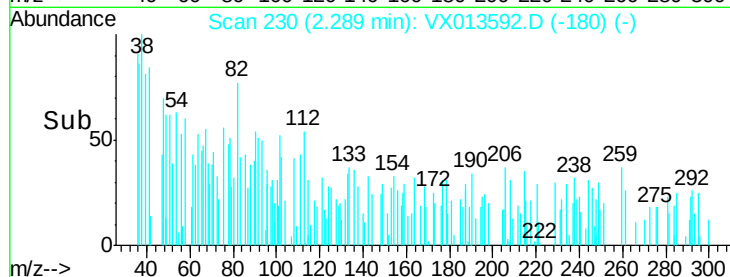
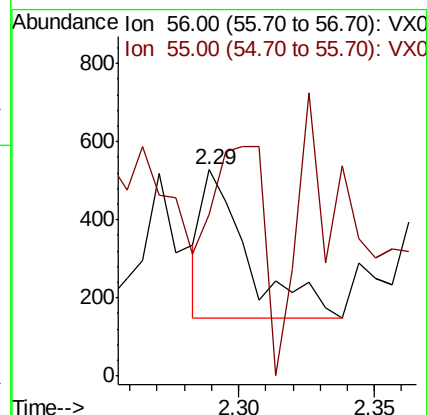
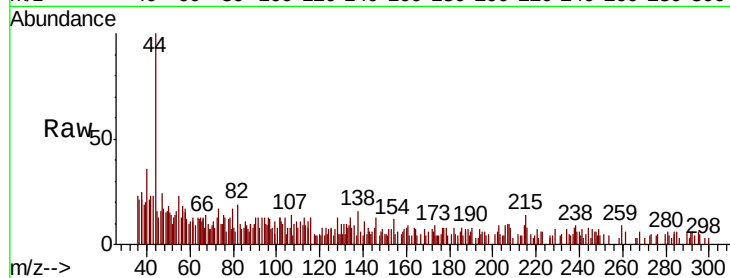
MH-140N-20191121

Tot Ion: 56 Resp: 440

Ion Ratio Lower Upper

56 100

55 180.0 57.4 86.0#



#16

Acetone

Concen: 2.717 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013592.D

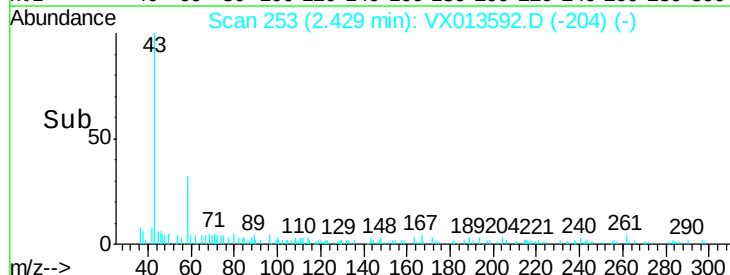
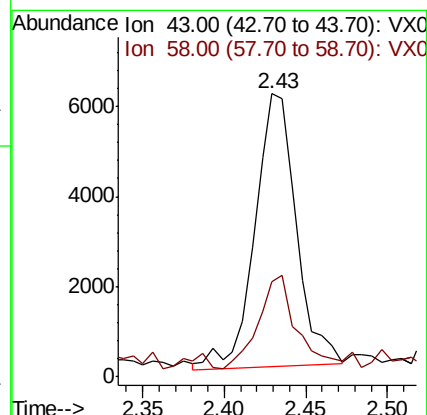
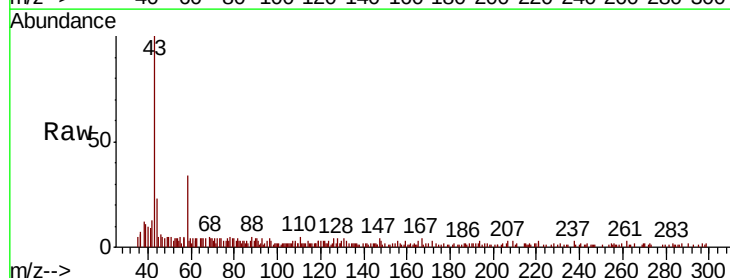
Acq: 25 Nov 2019 19:30

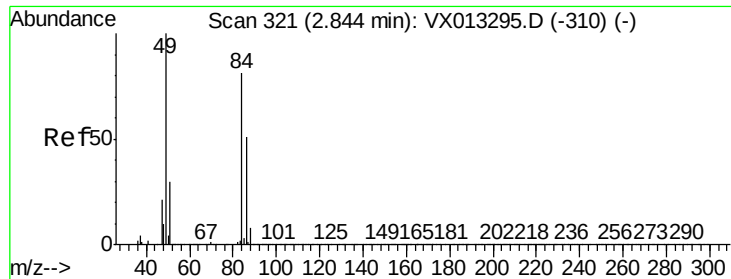
Tgt Ion: 43 Resp: 10655

Ion Ratio Lower Upper

43 100

58 29.6 24.3 36.5



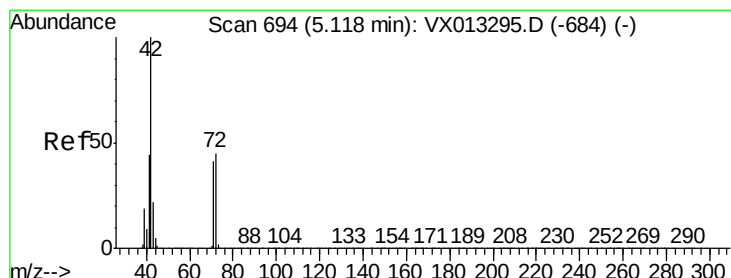
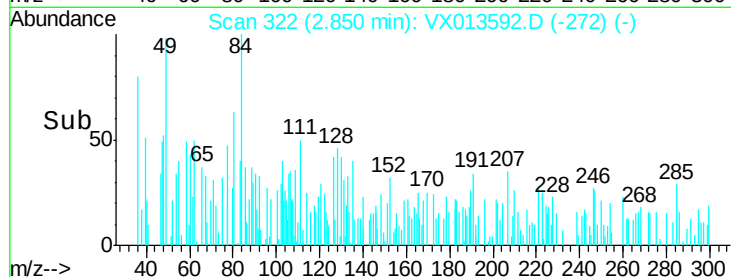
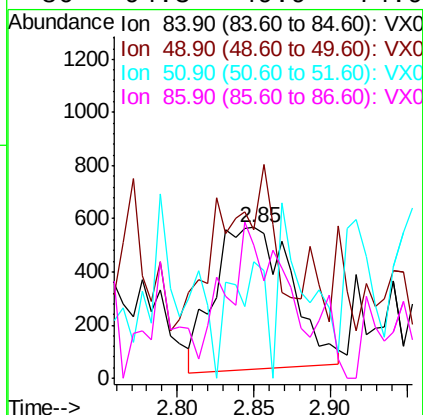
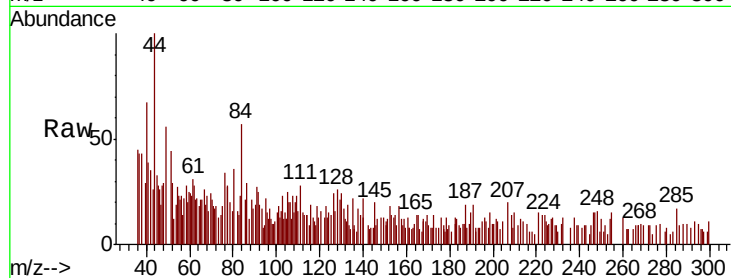


#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013592.D
Acq: 25 Nov 2019 19:30

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20191121

Tot Ion: 84 Resp: 1872

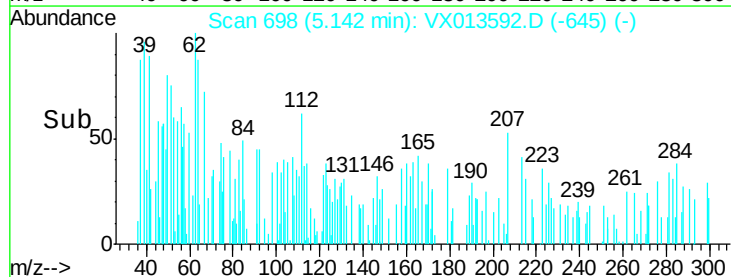
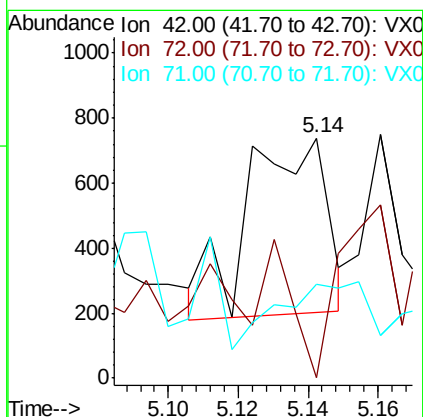
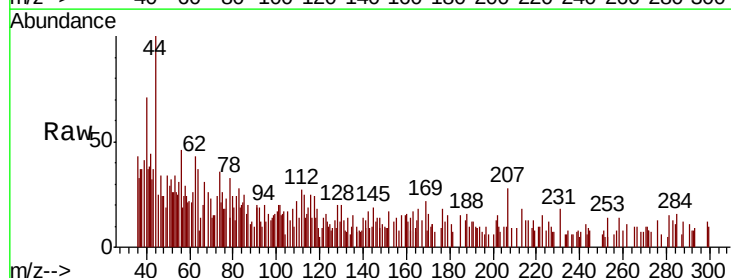
Ion	Ratio	Lower	Upper
84	100		
49	51.9	98.2	147.4#
51	74.6	29.9	44.9#
86	94.3	49.9	74.9#

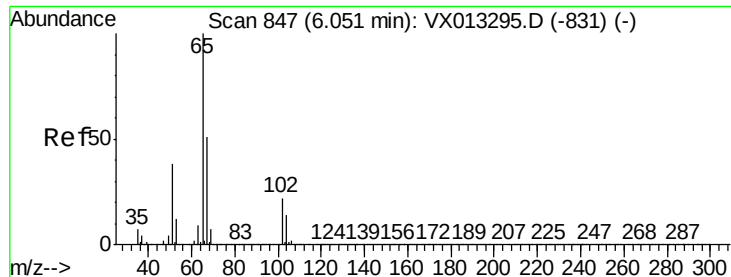


#29
Tetrahydrofuran
Concen: 0.243 ug/l
RT: 5.14 min Scan# 698
Delta R.T. 0.02 min
Lab File: VX013592.D
Acq: 25 Nov 2019 19:30

Tgt Ion: 42 Resp: 860

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.8	53.8#
71	0.0	33.4	50.0#





#33

1,2-Dichloroethane-d4

Concen: 50.291 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

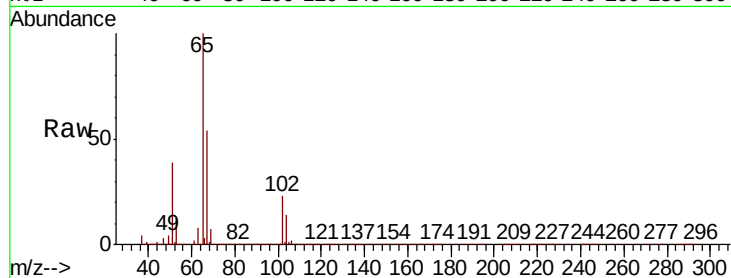
MH-140N-20191121

Tot Ion: 65 Resp: 395328

Ion Ratio Lower Upper

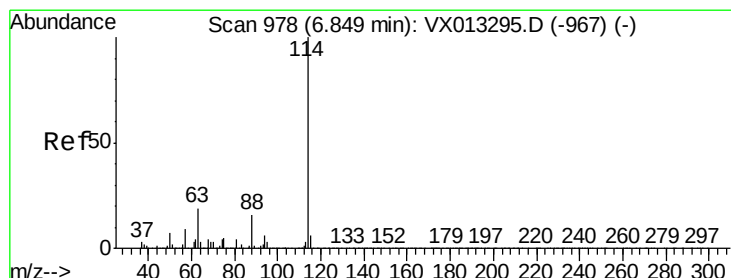
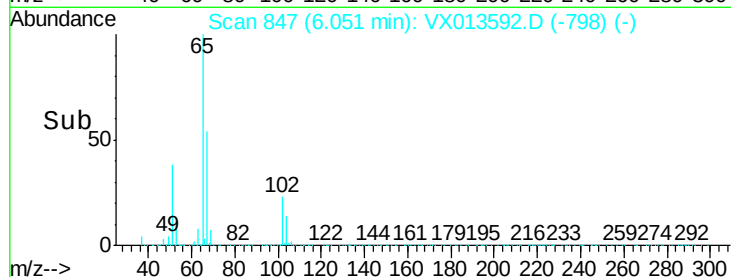
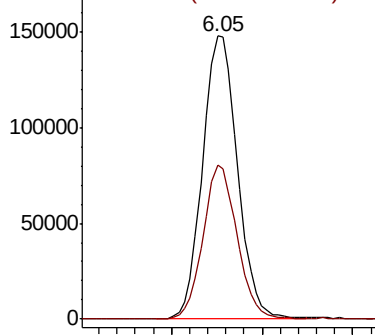
65 100

67 52.7 0.0 104.2



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

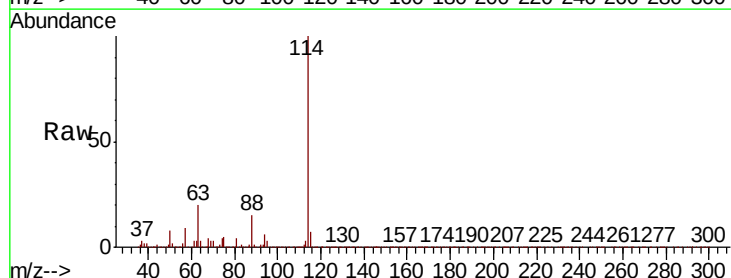
Tgt Ion: 114 Resp: 1077782

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

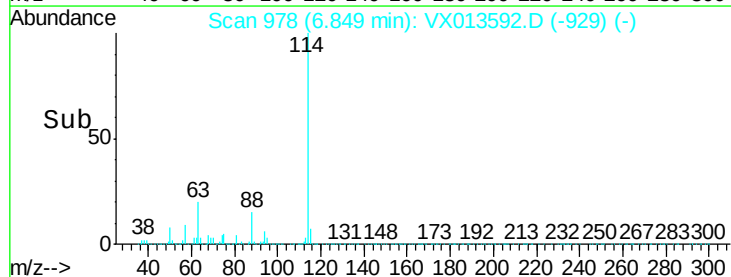
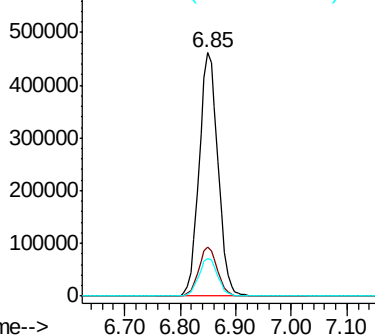
88 15.3 0.0 32.2

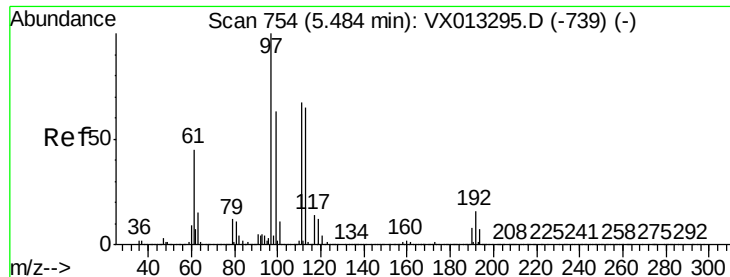


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

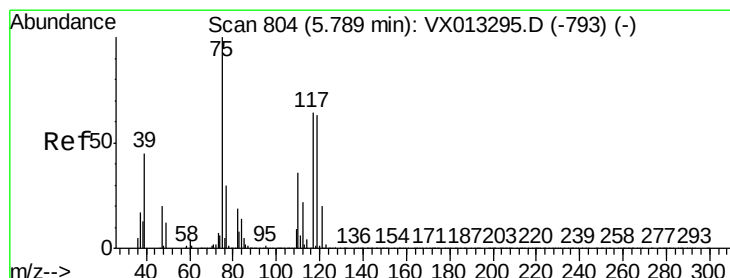
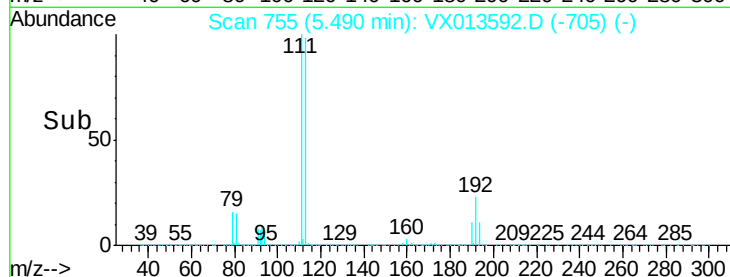
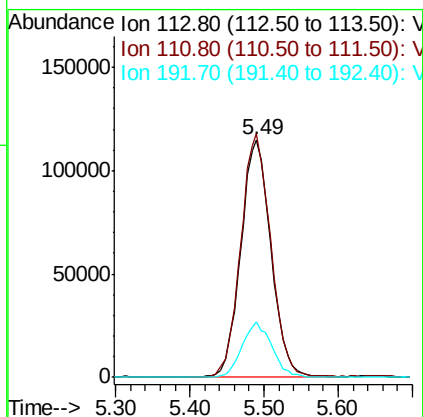
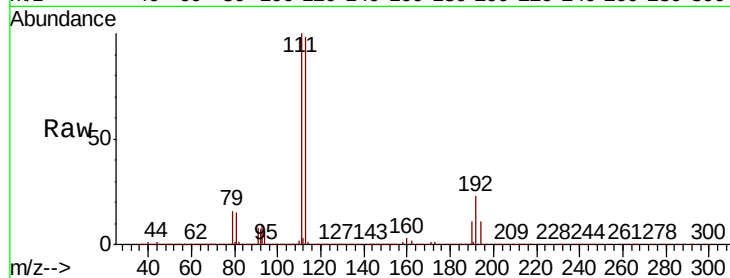




#35
 Dibromofluoromethane
 Concen: 48.392 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013592.D
 Acq: 25 Nov 2019 19:30

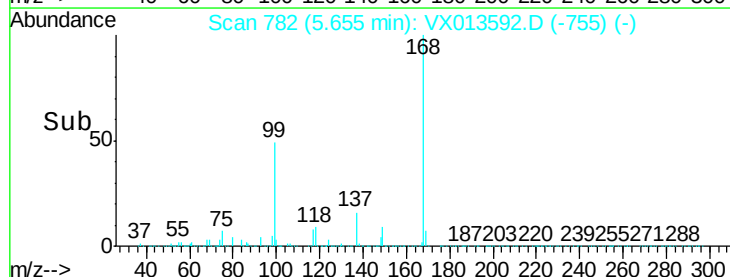
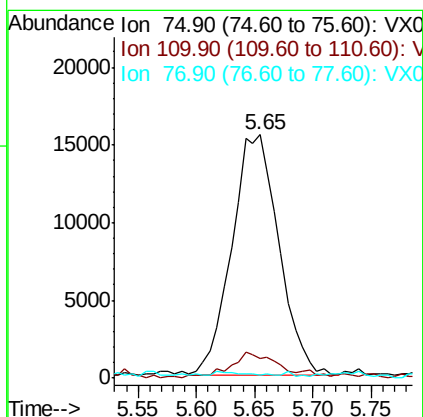
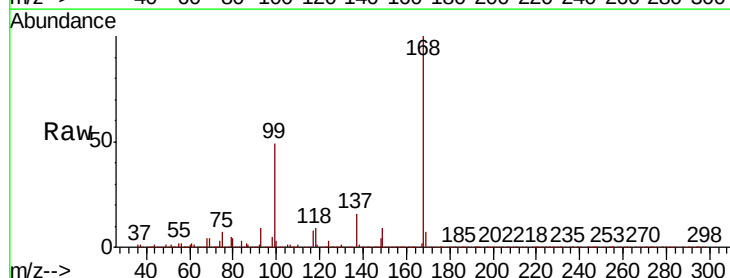
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20191121

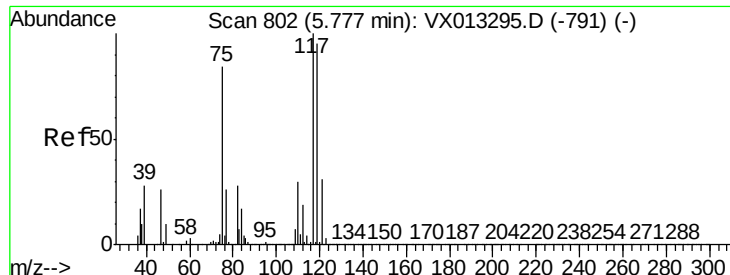
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	23.1	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013592.D
 Acq: 25 Nov 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20191121

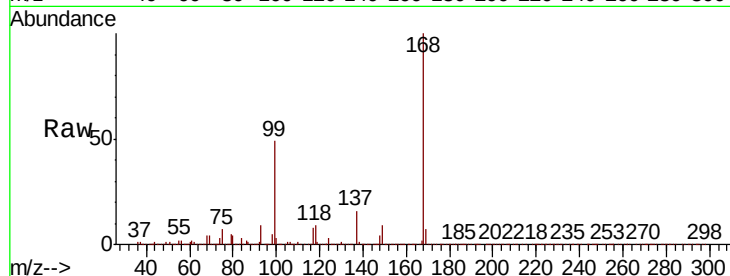
Tot Ion:117 Resp: 55873

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

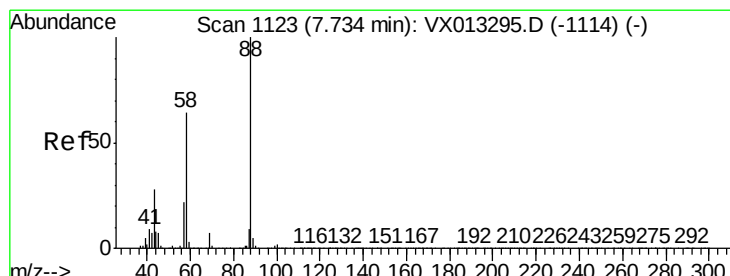
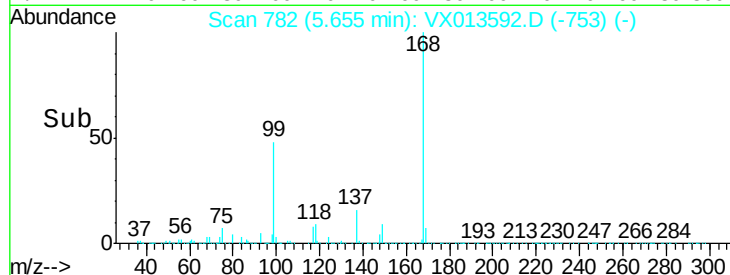
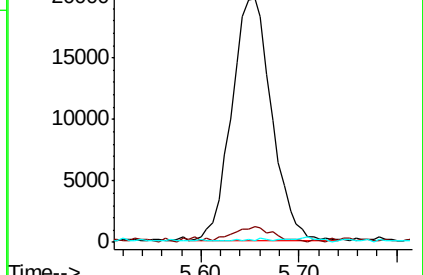
121 0.0 24.6 37.0#



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: 1.116 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.04 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

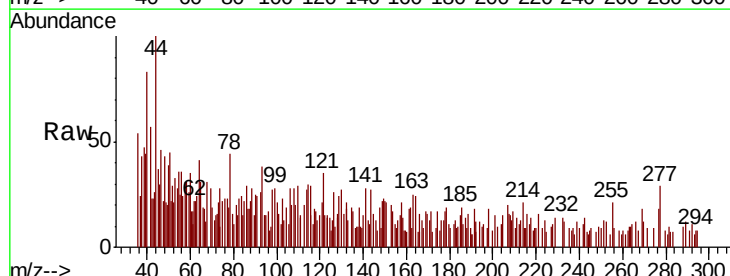
Tgt Ion: 88 Resp: 227

Ion Ratio Lower Upper

88 100

43 327.8 26.6 39.8#

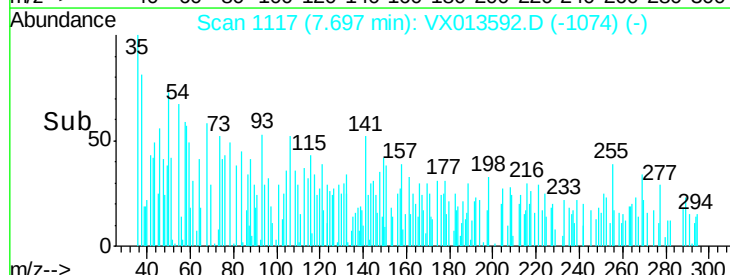
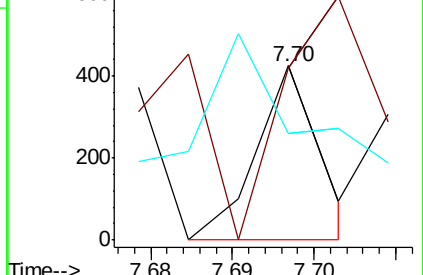
58 85.0 55.0 82.6#

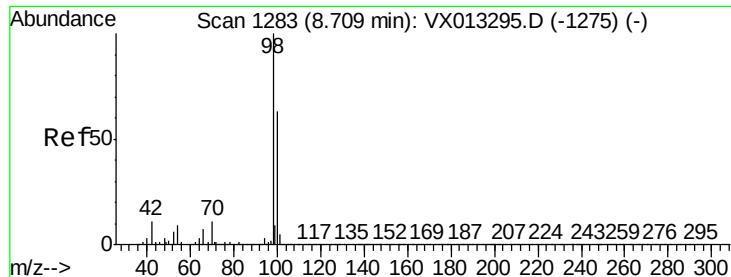


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.841 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

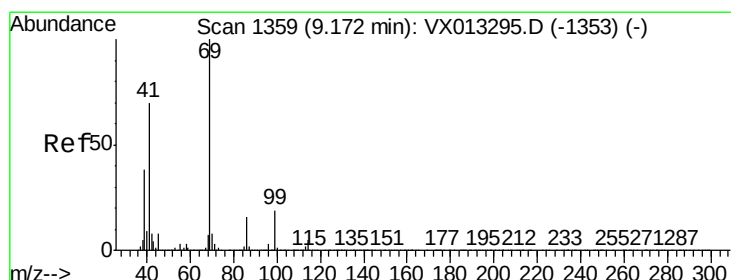
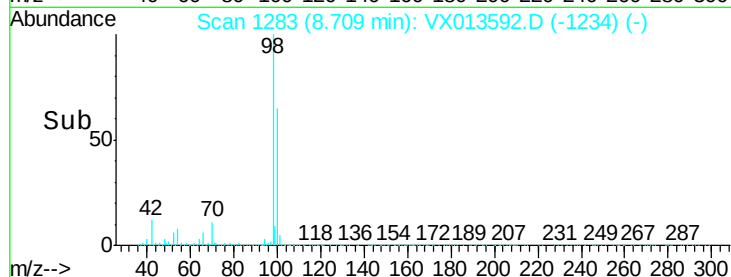
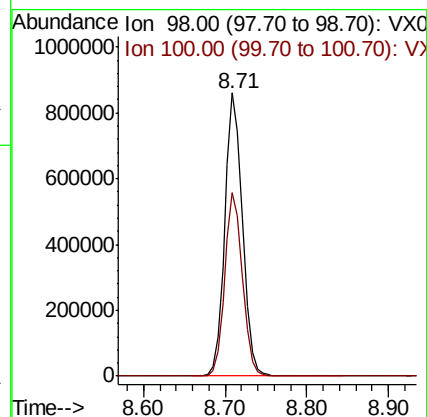
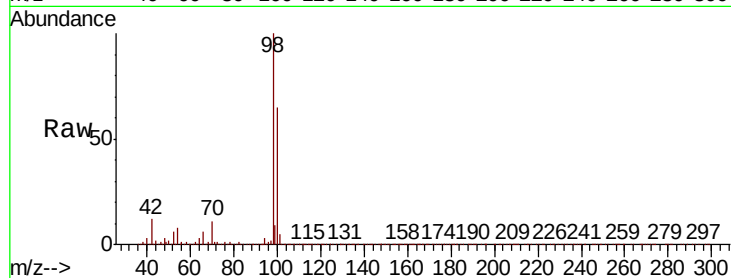
MH-140N-20191121

Tot Ion: 98 Resp: 1295661

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.646 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. 0.02 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

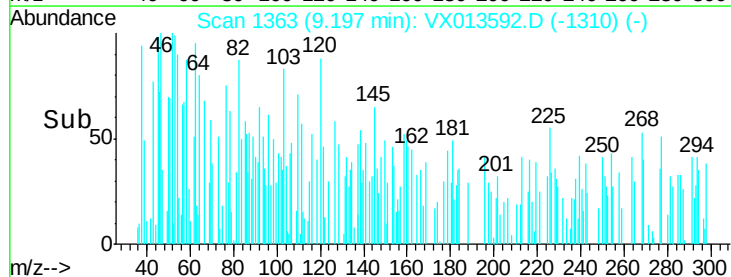
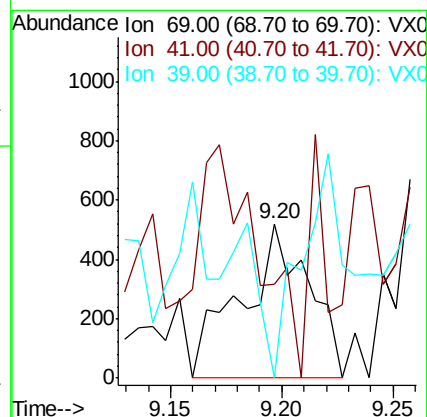
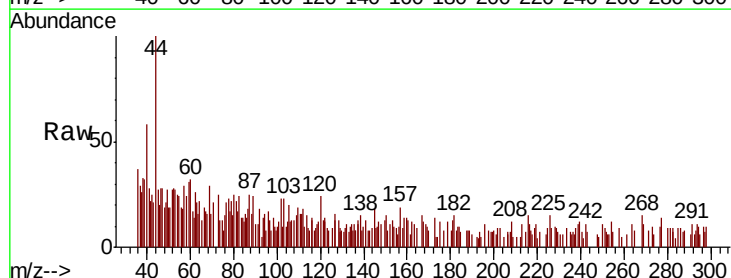
Tgt Ion: 69 Resp: 1088

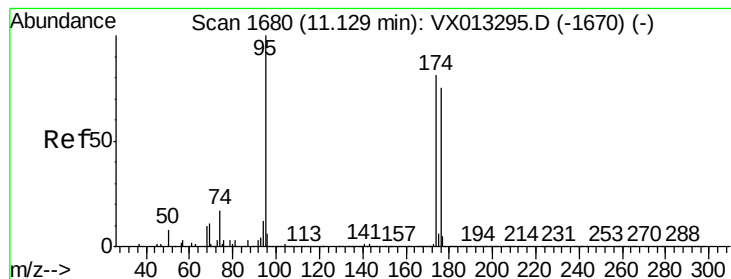
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 0.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.594 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20191121

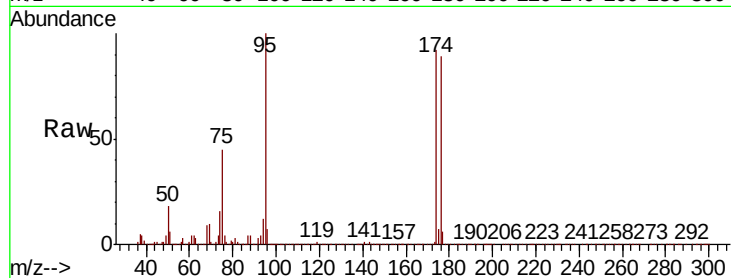
Tot Ion: 95 Resp: 437745

Ion Ratio Lower Upper

95 100

174 89.4 0.0 179.8

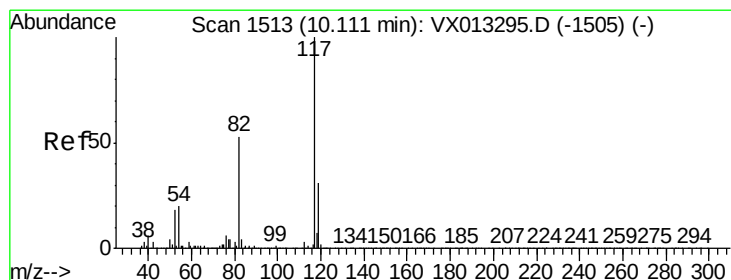
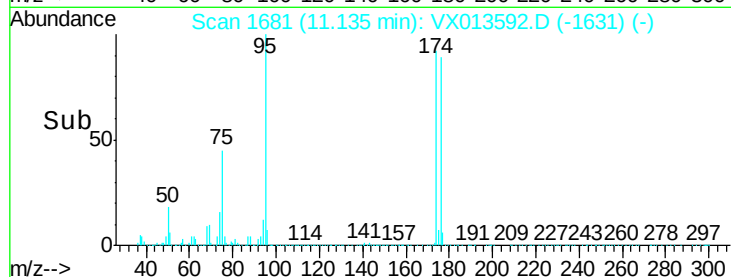
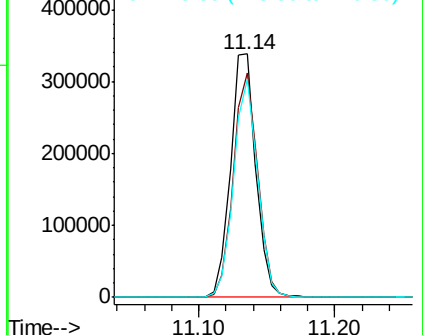
176 85.6 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

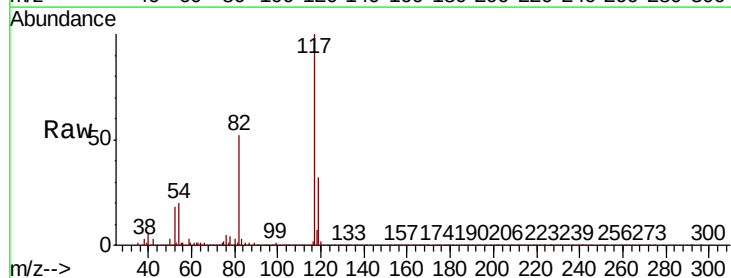
Tgt Ion: 117 Resp: 965775

Ion Ratio Lower Upper

117 100

82 51.9 42.6 64.0

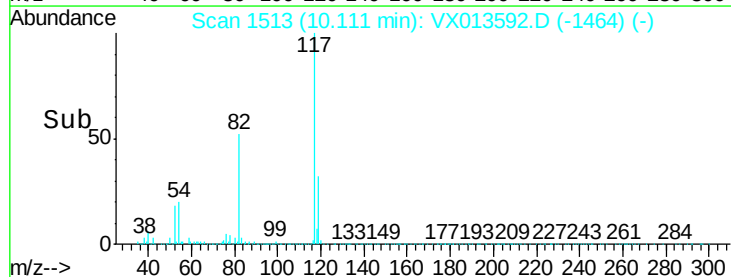
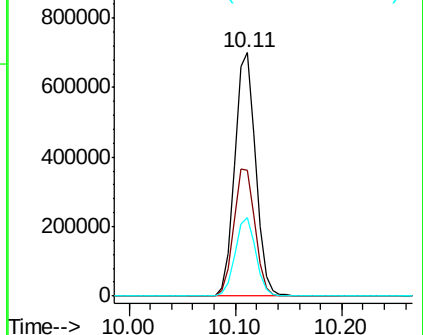
119 32.2 24.8 37.2

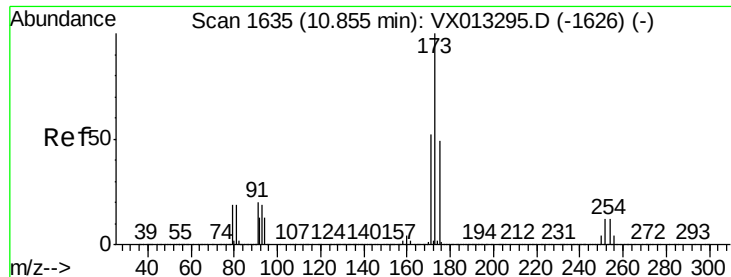


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#71

Bromoform

Concen: 3.234 ug/l

RT: 10.87 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20191121

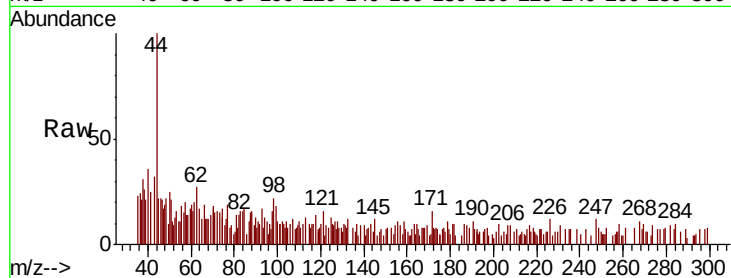
Tot Ion:173 Resp: 221

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

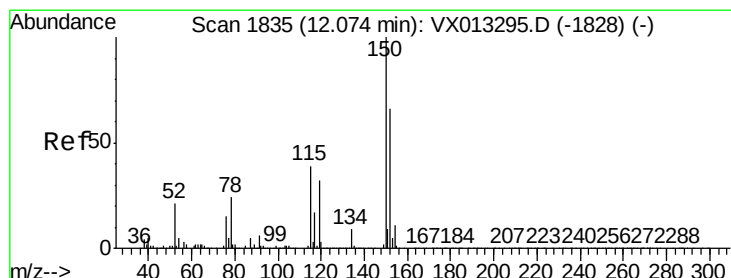
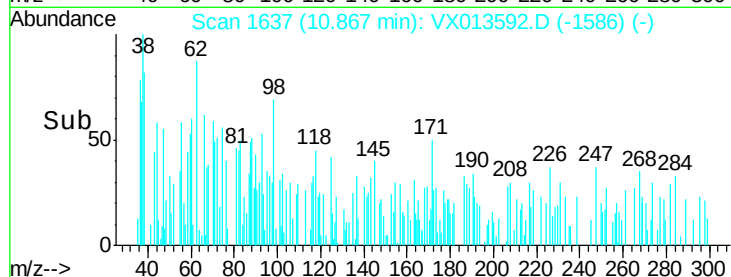
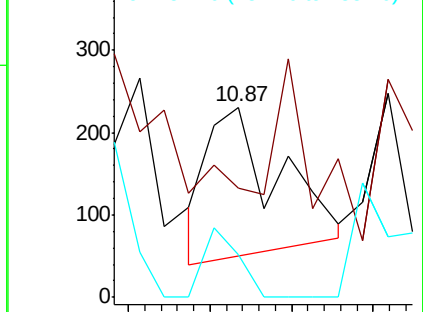
254 22.6 0.2 0.2#



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

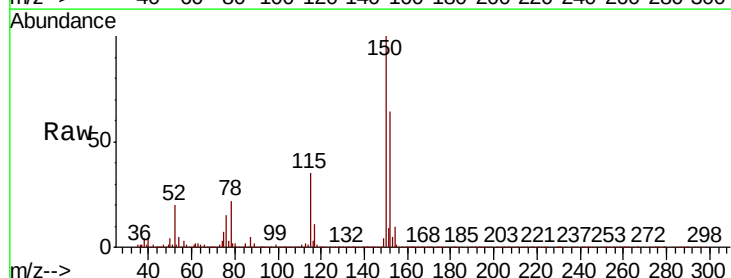
Tgt Ion:152 Resp: 437548

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

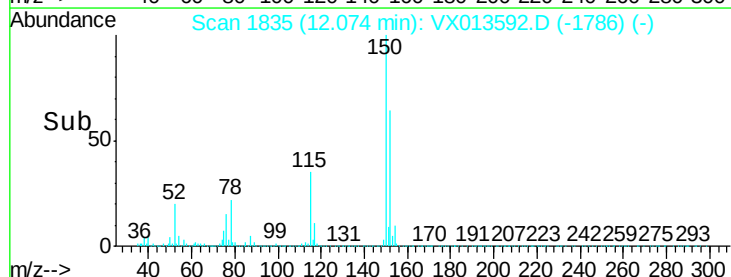
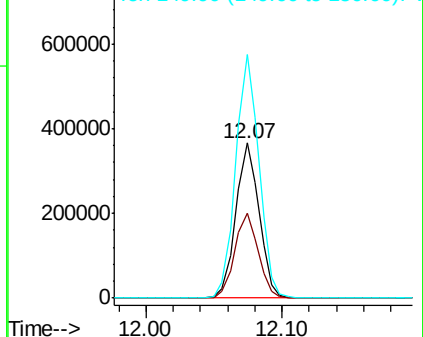
150 157.0 0.0 344.4

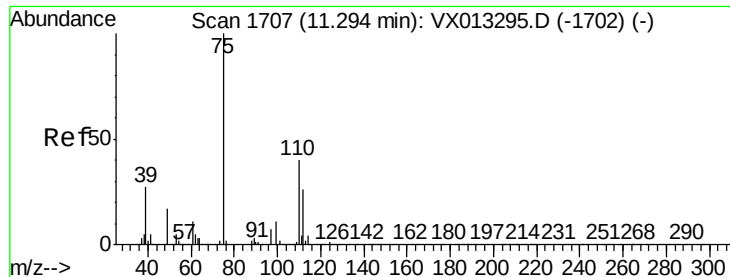


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.395 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

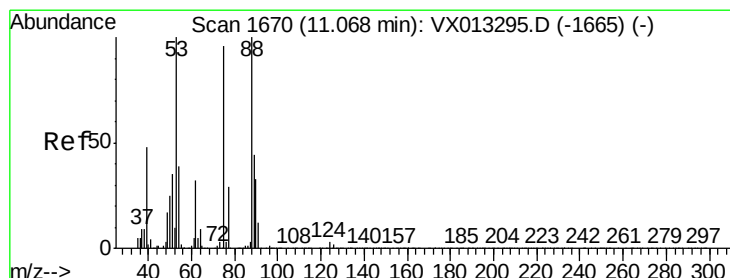
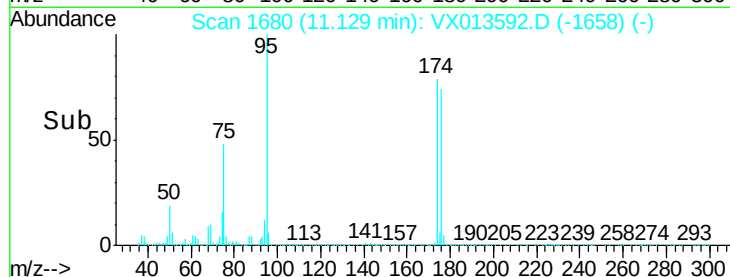
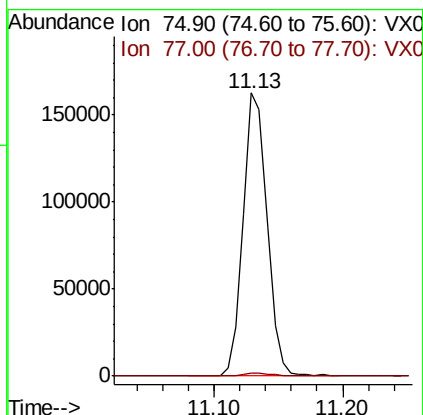
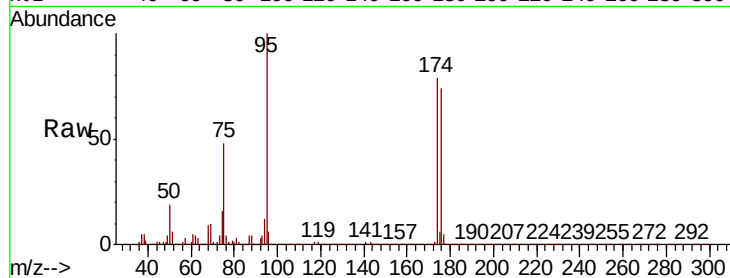
MH-140N-20191121

Tot Ion: 75 Resp: 207911

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.217 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013592.D

Acq: 25 Nov 2019 19:30

Tgt Ion: 75 Resp: 207911

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 36.0 54.0#

