

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
 Data File : VX015011.D
 Acq On : 26 Feb 2020 11:36
 Operator : JC/SP
 Sample : L1683-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200225

Quant Time: Feb 26 12:52:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	437363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	686584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	327557	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	241830	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	5.49	113	207895	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.71	98	822361	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.14	95	297481	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	

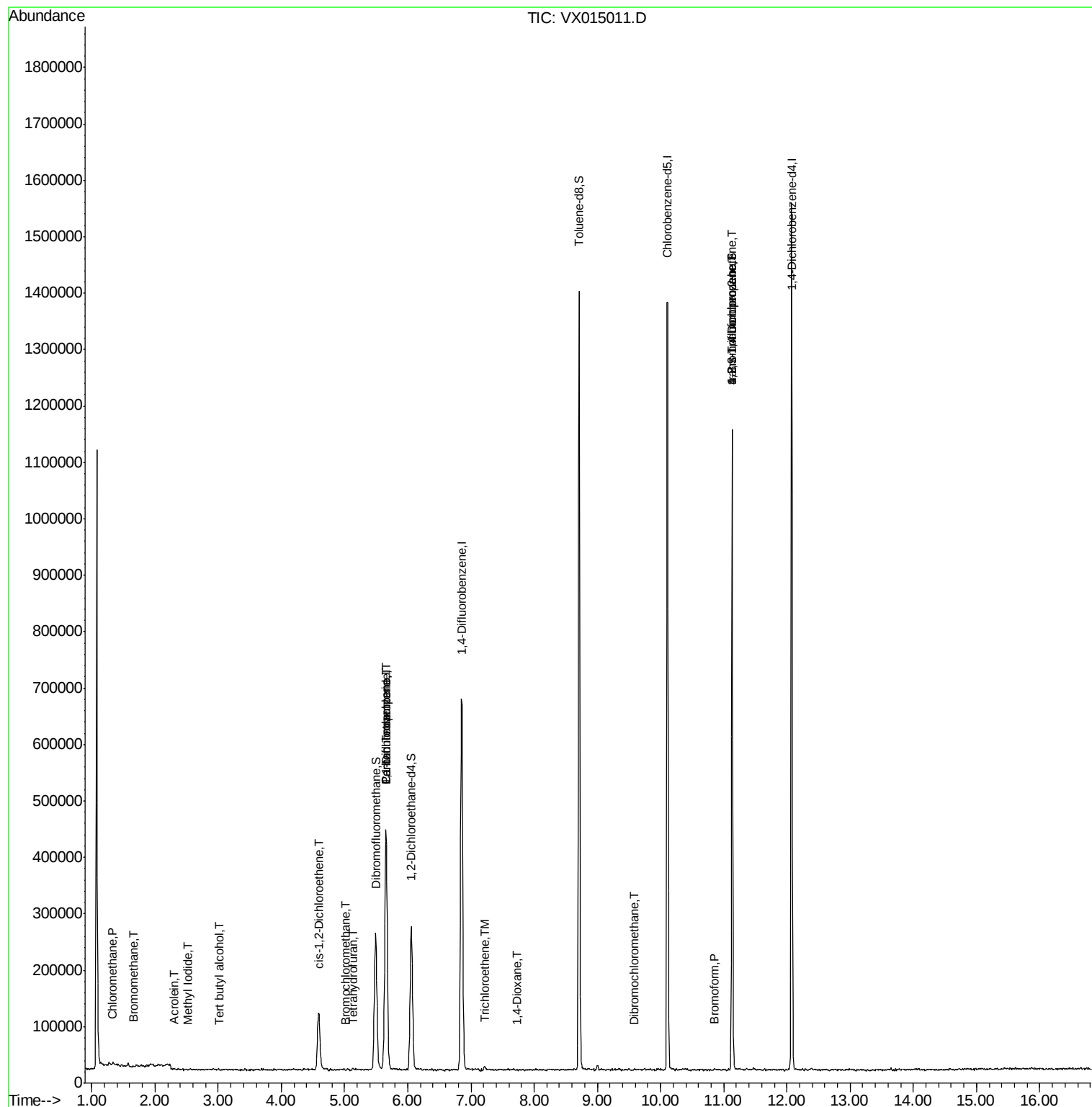
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1061	0.23	ug/l	91
5) Bromomethane	1.66	94	1193	0.36	ug/l #	71
10) Methyl Iodide	2.52	142	1122	4.59	ug/l #	43
11) Tert butyl alcohol	3.02	59	412	0.47	ug/l #	1
13) Acrolein	2.30	56	682	1.03	ug/l #	15
16) Acetone	2.44	43	1159	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.59	96	69940	14.14	ug/l	87
28) Bromochloromethane	5.01	49	637	0.21	ug/l #	29
29) Tetrahydrofuran	5.14	42	873	0.46	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	28519	4.64	ug/l #	53
38) Carbon Tetrachloride	5.65	117	38169	6.38	ug/l #	17
44) Trichloroethene	7.21	130	2638	0.50	ug/l	83
49) 1,4-Dioxane	7.73	88	168	1.73	ug/l #	1
60) Dibromochloromethane	9.58	129	1092	0.22	ug/l	73
71) Bromoform	10.85	173	926	0.23	ug/l #	96
76) 1,2,3-Trichloropropane	11.13	75	146714	24.77	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	146714	63.40	ug/l #	12

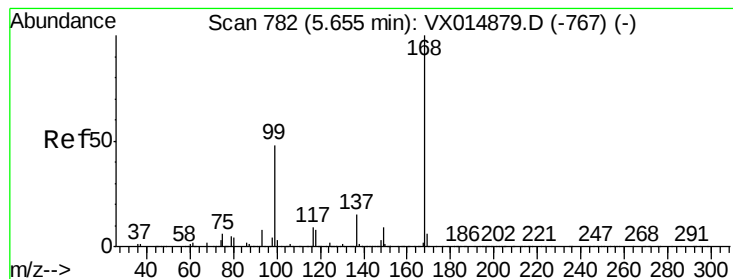
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

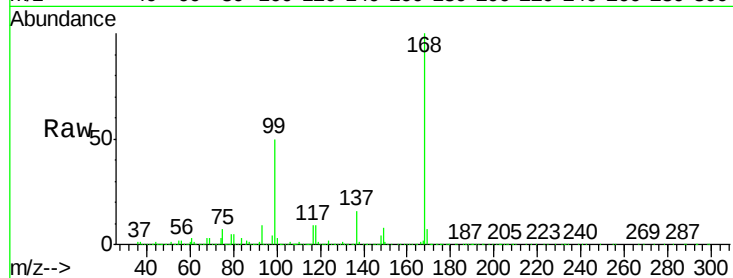
MH-117N-20200225

Tgt Ion:168 Resp: 437363

Ion Ratio Lower Upper

168 100

99 49.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

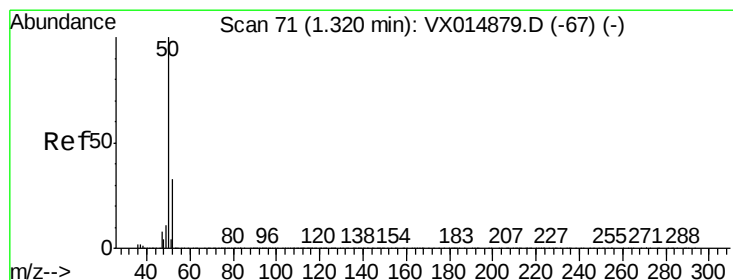
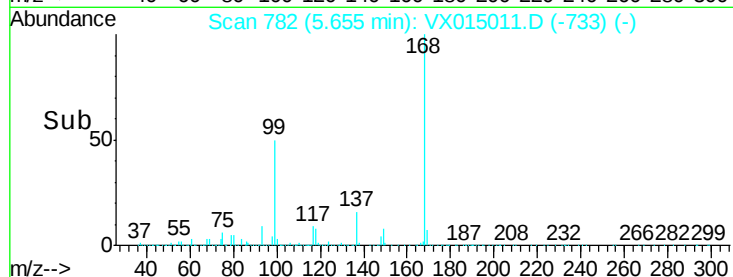
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015011.D

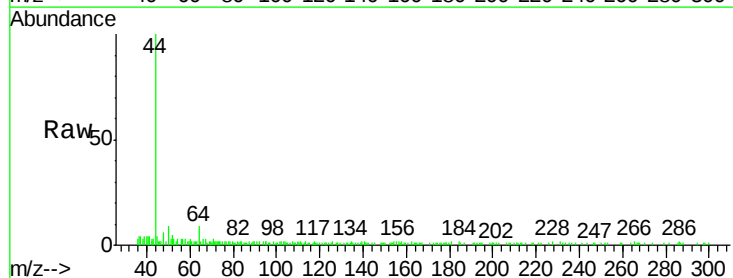
Acq: 26 Feb 2020 11:36

Tgt Ion: 50 Resp: 1061

Ion Ratio Lower Upper

50 100

52 27.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

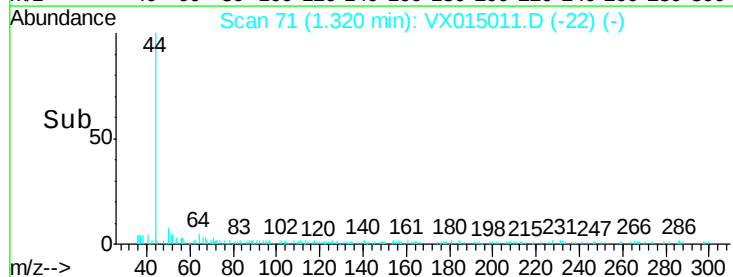
600

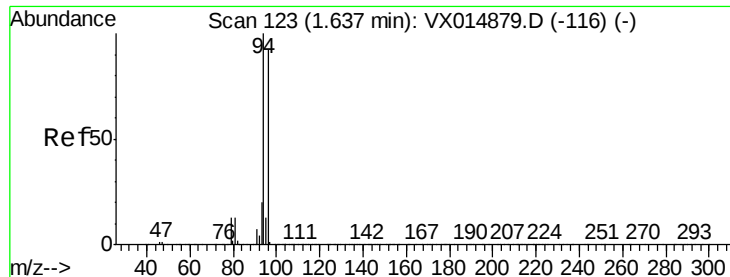
400

200

0

Time-->





#5

Bromomethane

Concen: 0.36 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

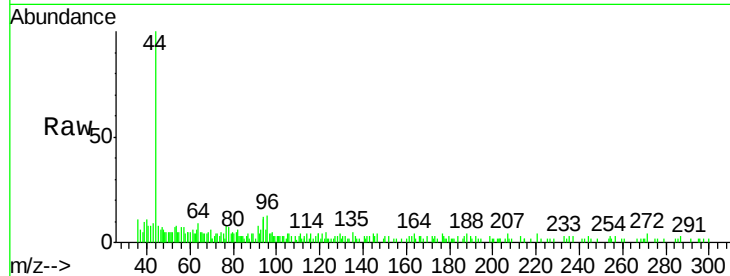
MH-117N-20200225

Tgt Ion: 94 Resp: 1193

Ion Ratio Lower Upper

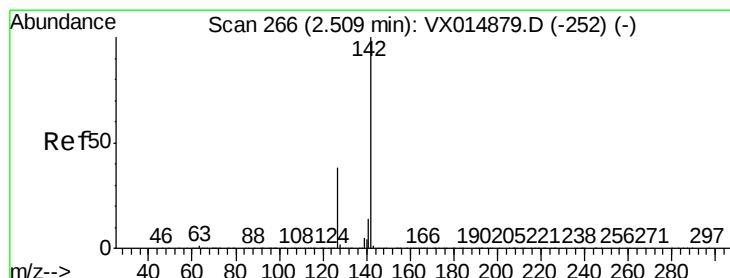
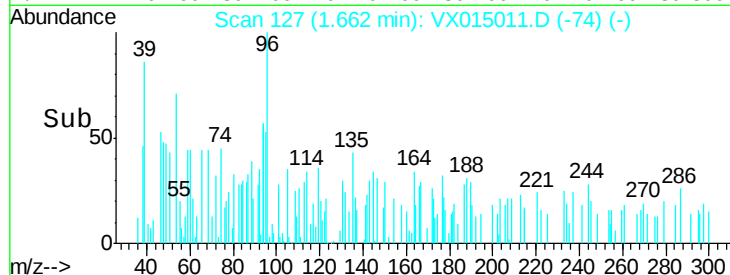
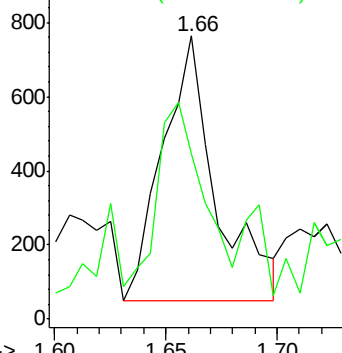
94 100

96 64.3 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.59 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

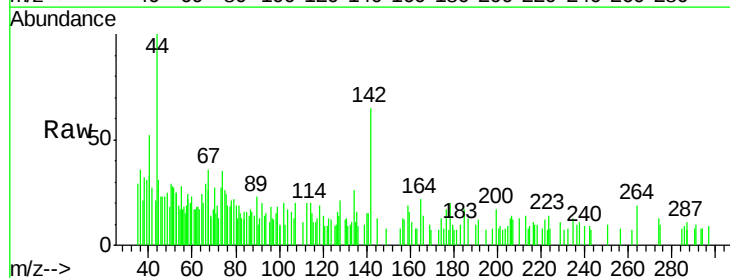
Tgt Ion: 142 Resp: 1122

Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

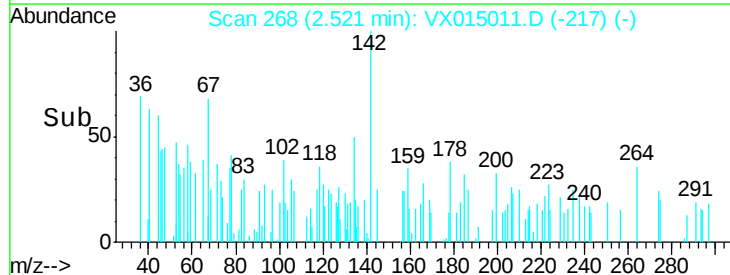
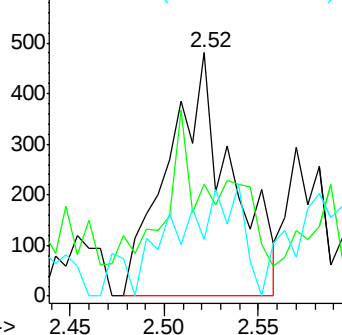
141 30.3 11.3 16.9#

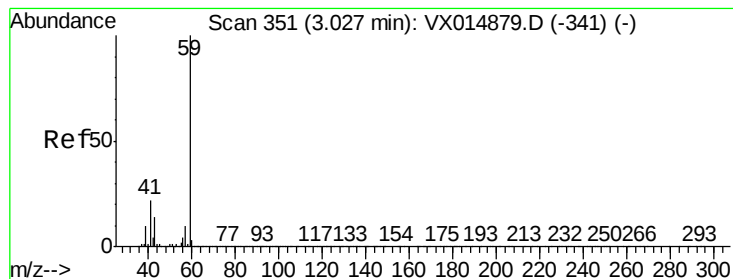


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



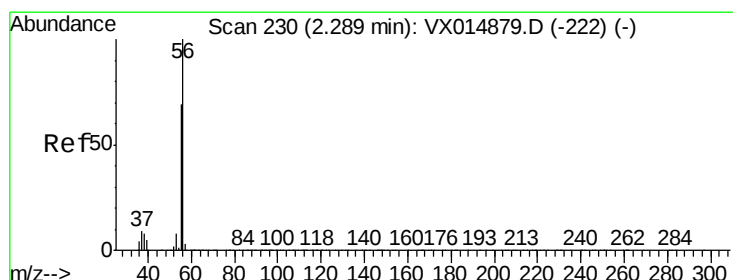
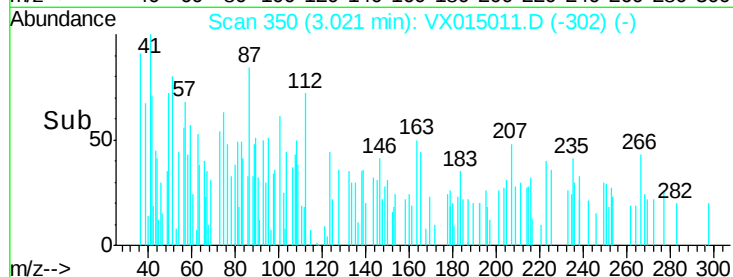
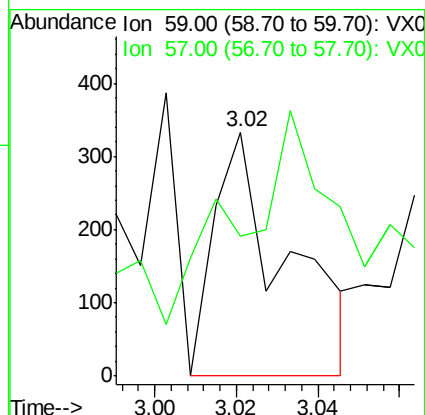
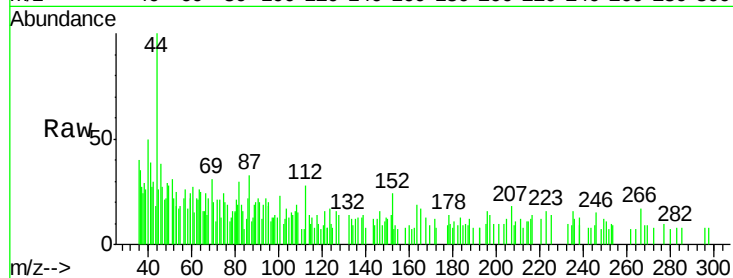


#11

Tert butyl alcohol
Concen: 0.47 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX015011.D
Acq: 26 Feb 2020 11:36

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200225

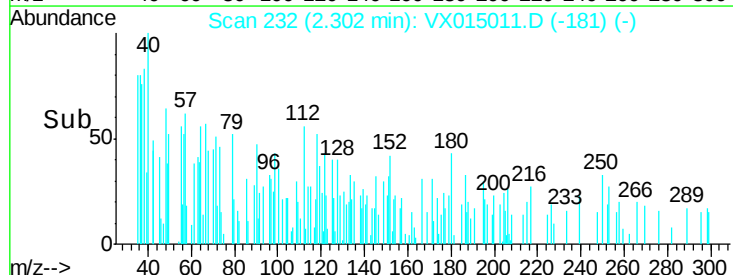
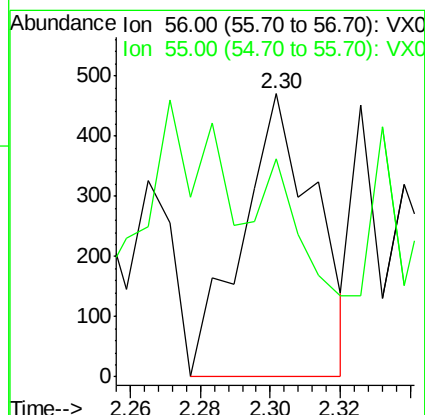
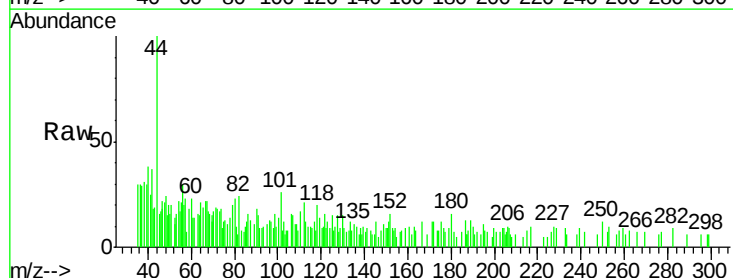
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 109.5 8.2 12.4#

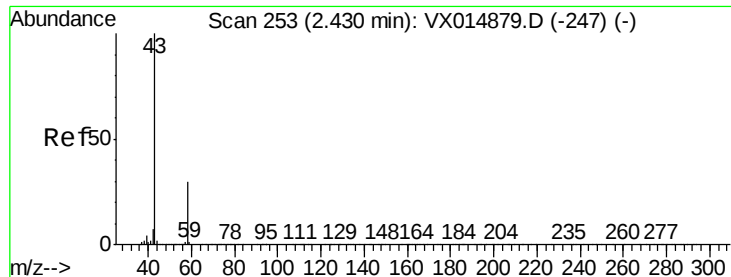


#13

Acrolein
Concen: 1.03 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX015011.D
Acq: 26 Feb 2020 11:36

Tgt Ion: 56 Resp: 682
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#

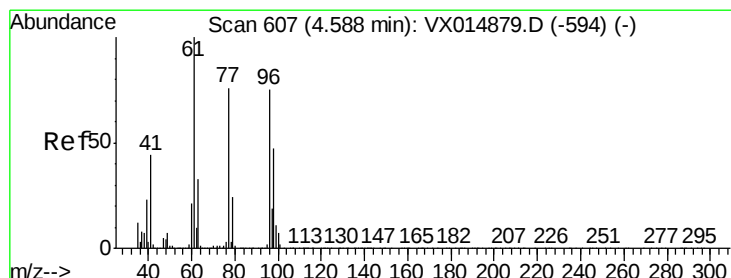
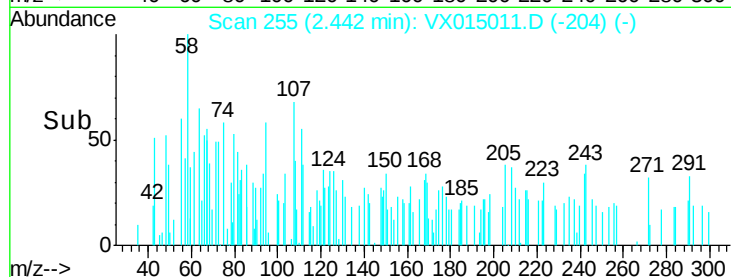
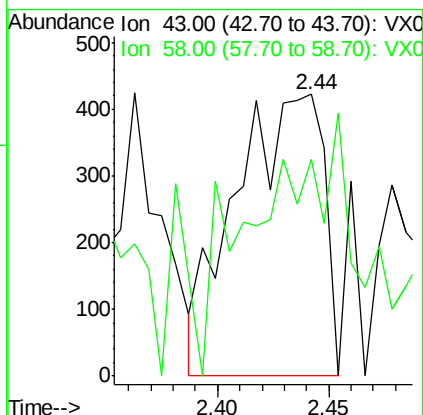
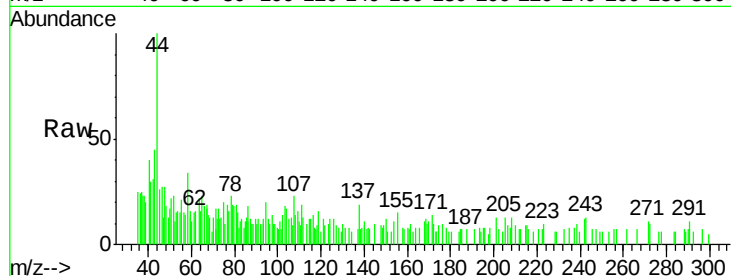




#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX015011.D
Acq: 26 Feb 2020 11:36

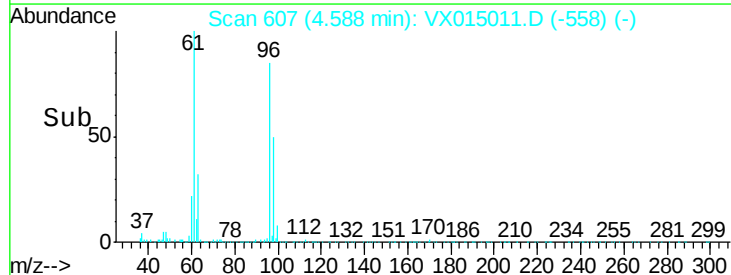
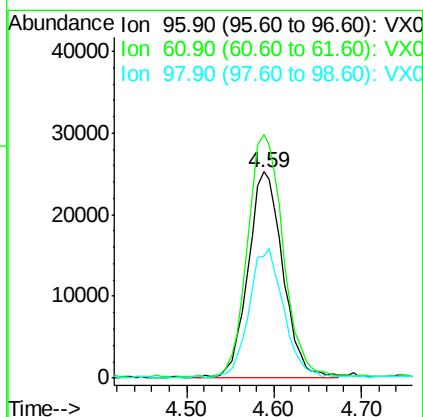
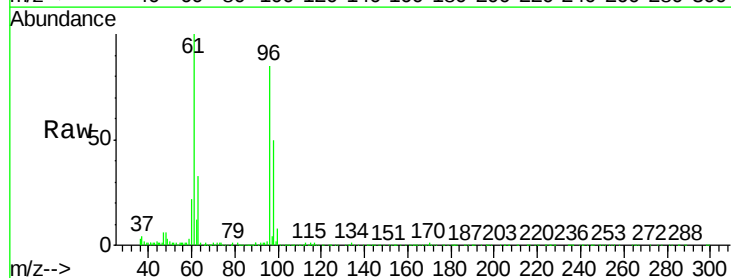
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200225

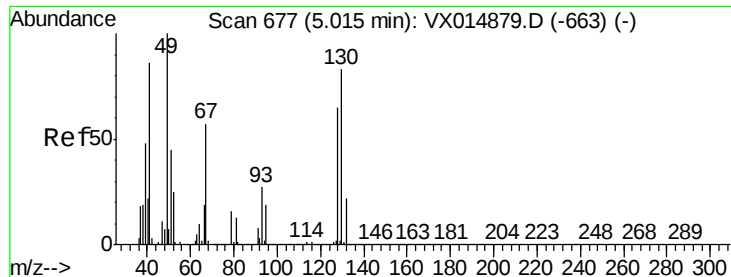
Tgt Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
58 41.2 24.1 36.1#



#27
cis-1,2-Dichloroethene
Concen: 14.14 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015011.D
Acq: 26 Feb 2020 11:36

Tgt Ion: 96 Resp: 69940
Ion Ratio Lower Upper
96 100
61 122.3 0.0 286.2
98 61.2 0.0 131.0





#28

Bromochloromethane

Concen: 0.21 ug/l

RT: 5.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200225

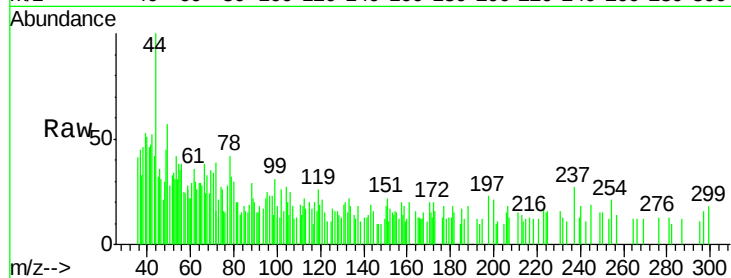
Tgt Ion: 49 Resp: 637

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

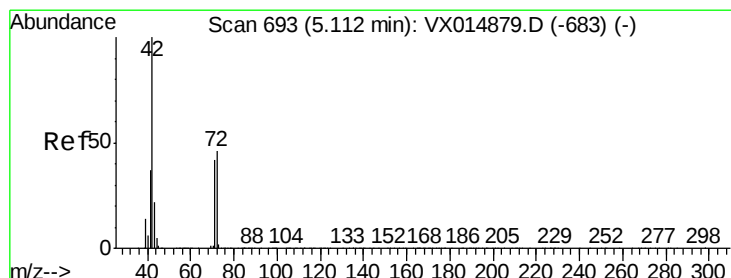
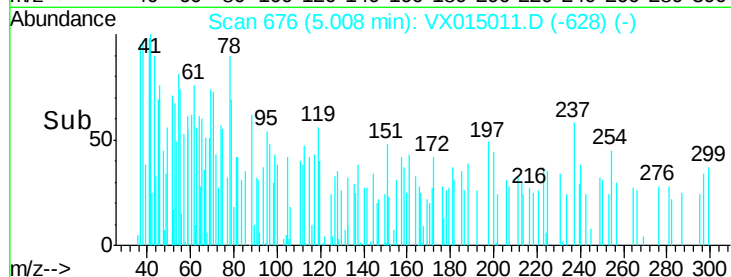
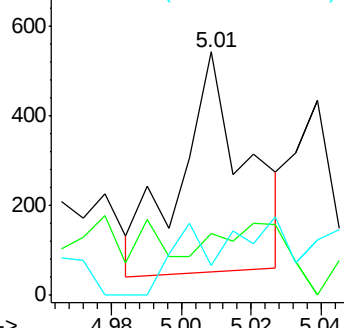
130 18.4 67.4 101.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

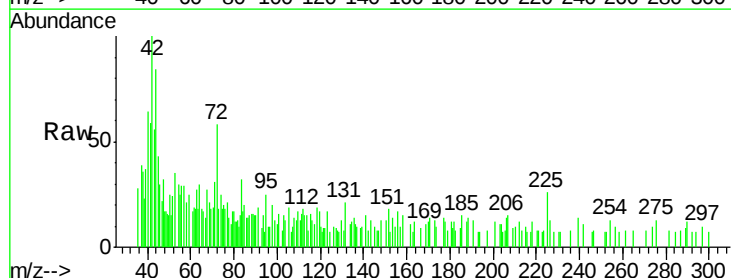
Tgt Ion: 42 Resp: 873

Ion Ratio Lower Upper

42 100

72 185.5 36.9 55.3#

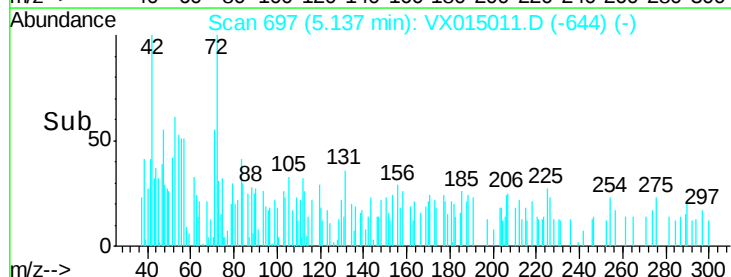
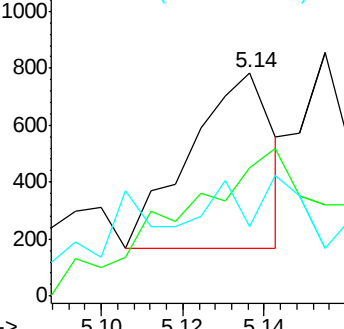
71 21.4 34.1 51.1#

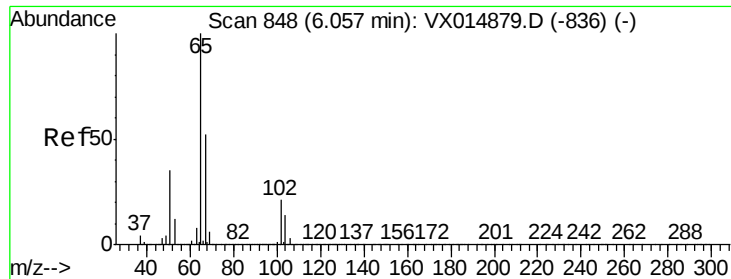


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.99 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

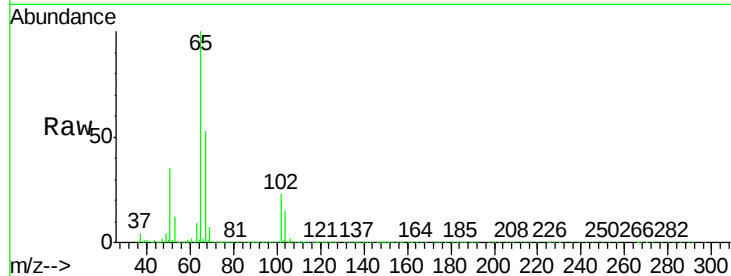
MH-117N-20200225

Tgt Ion: 65 Resp: 241830

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

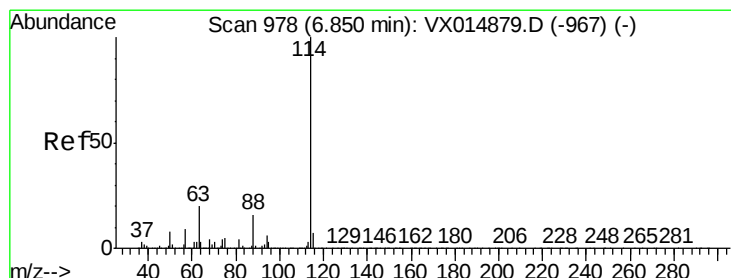
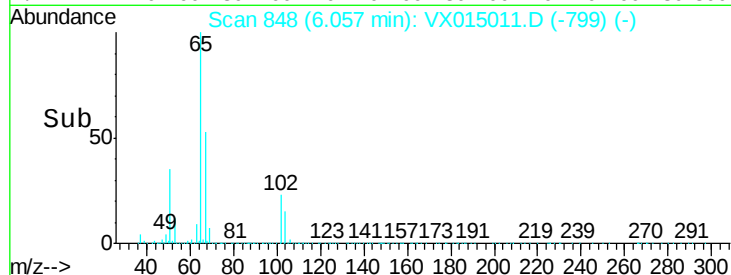
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

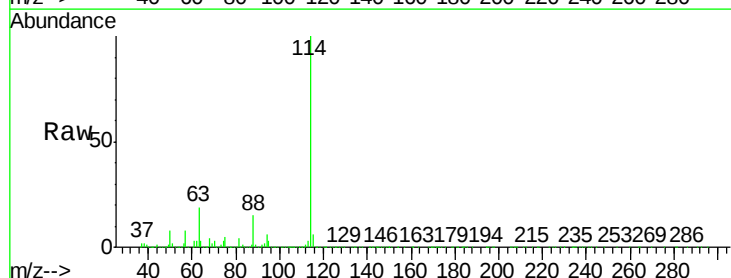
Tgt Ion: 114 Resp: 686584

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 15.4 0.0 32.0



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

400000

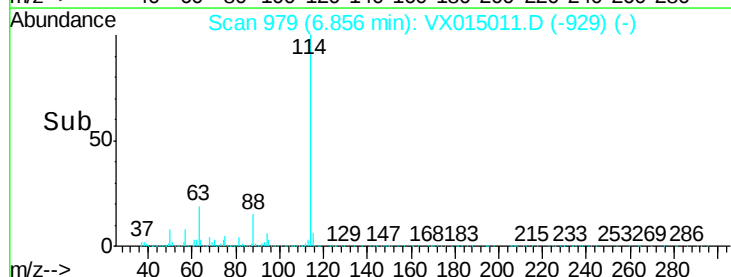
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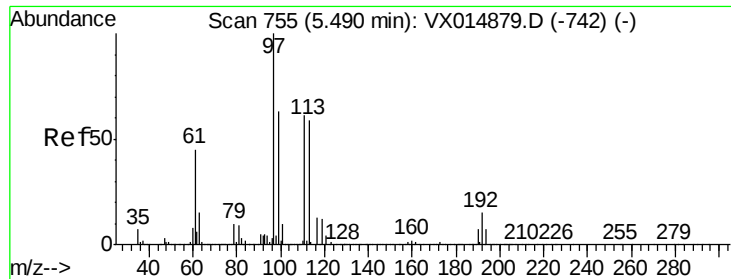
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

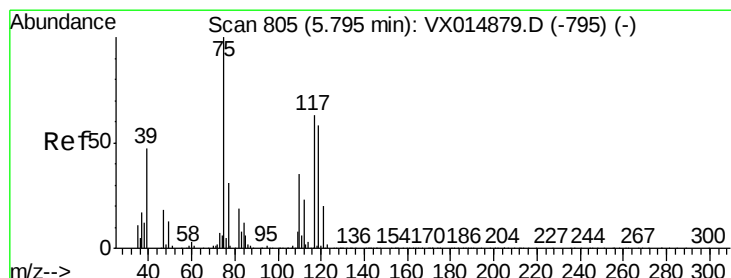
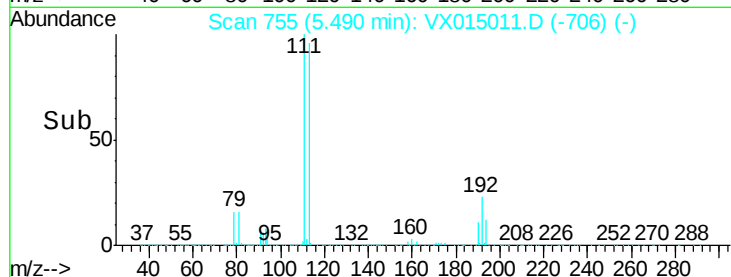
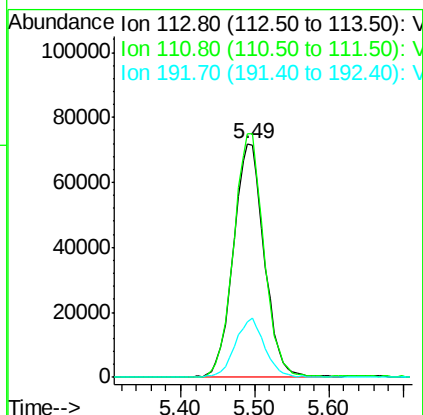
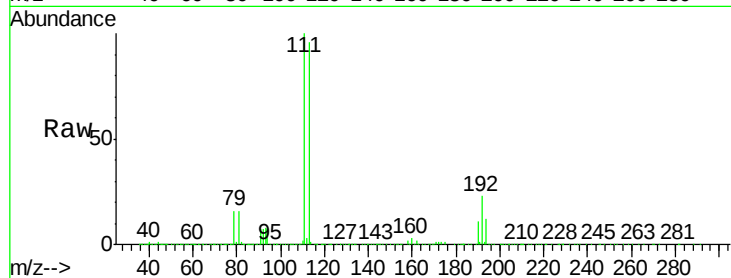




#35
 Dibromofluoromethane
 Concen: 49.25 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015011.D
 Acq: 26 Feb 2020 11:36

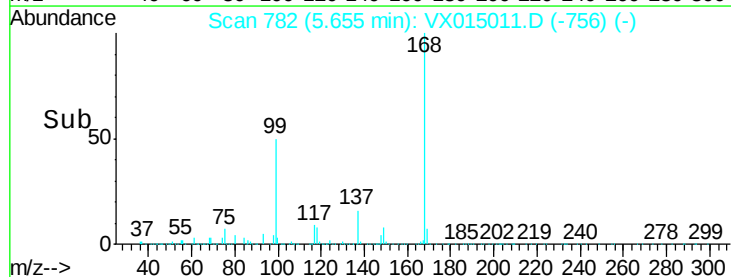
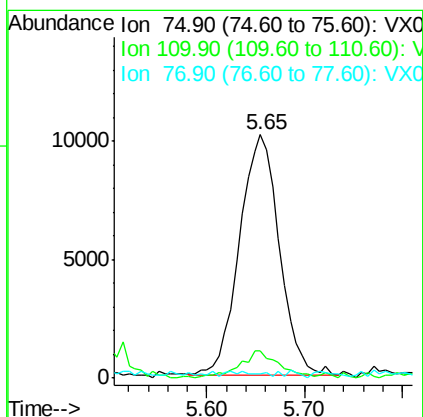
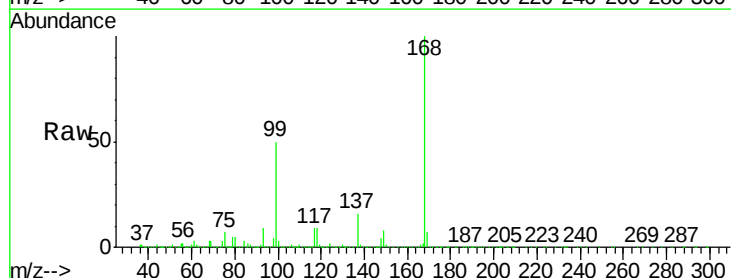
Instrument :
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 MH-117N-20200225

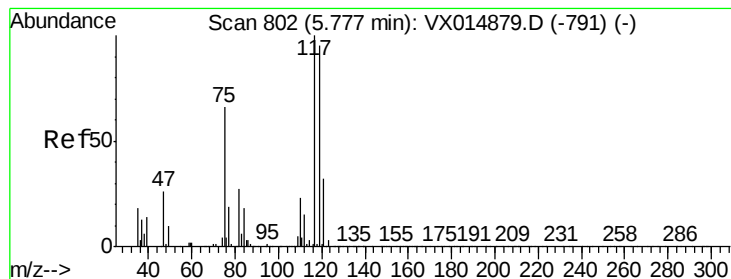
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	24.5	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.64 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015011.D
 Acq: 26 Feb 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.3	54.8#
77	1.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.38 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200225

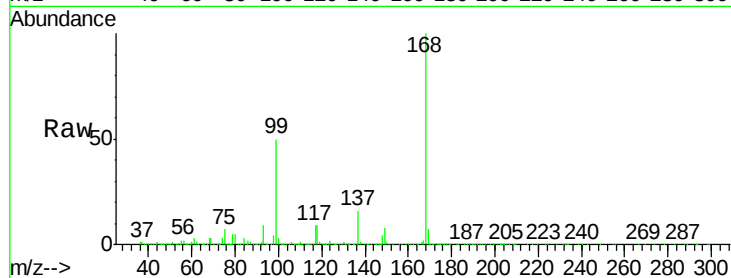
Tgt Ion:117 Resp: 38169

Ion Ratio Lower Upper

117 100

119 5.8 76.0 114.0#

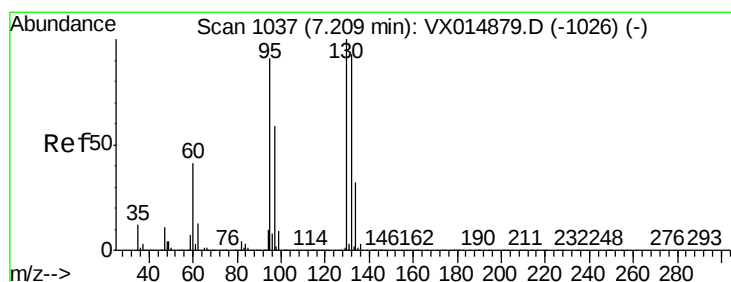
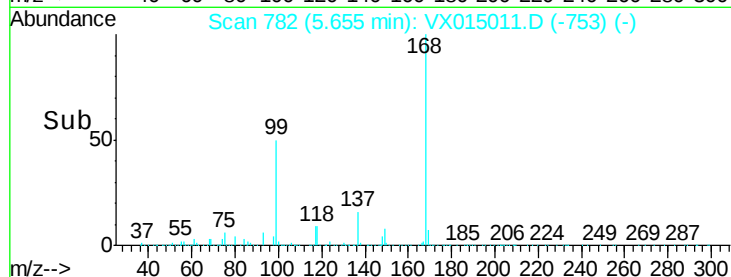
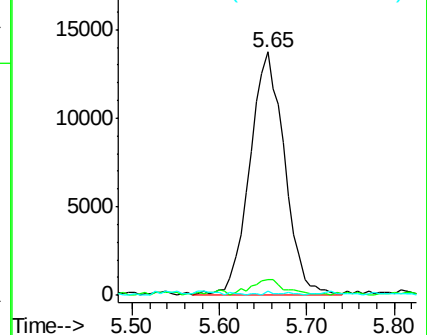
121 1.2 25.4 38.2#



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



#44

Trichloroethene

Concen: 0.50 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015011.D

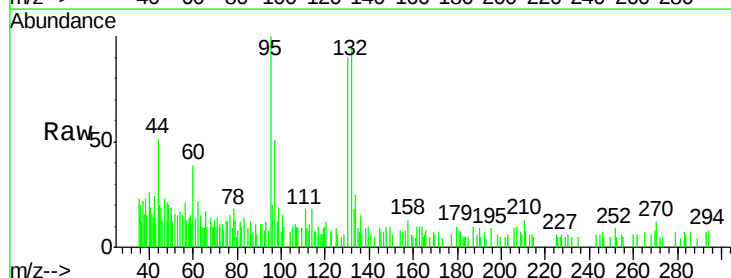
Acq: 26 Feb 2020 11:36

Tgt Ion:130 Resp: 2638

Ion Ratio Lower Upper

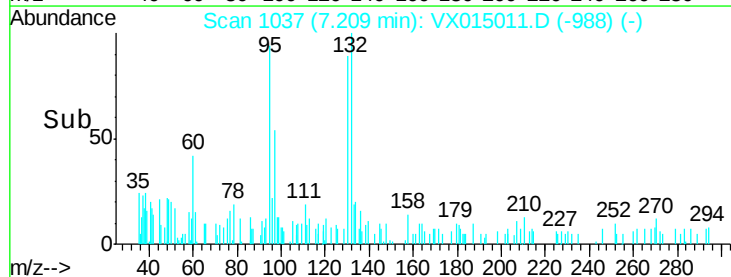
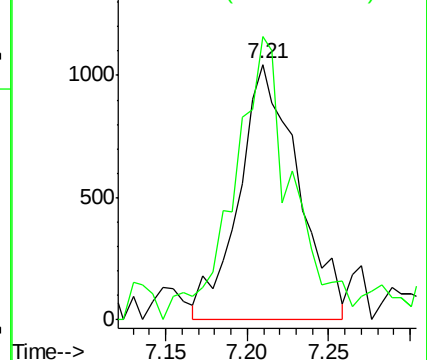
130 100

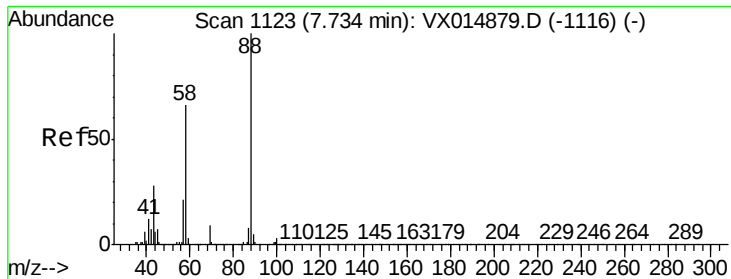
95 107.5 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.73 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200225

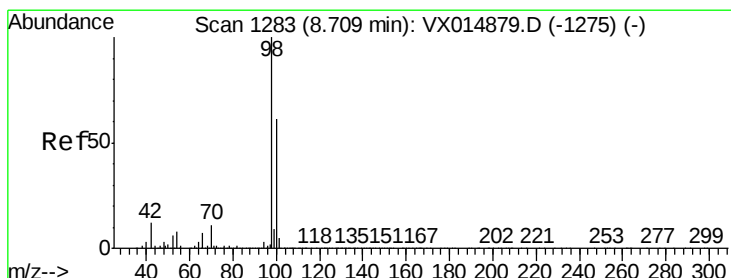
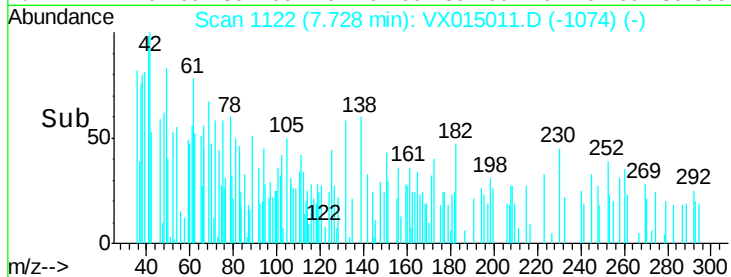
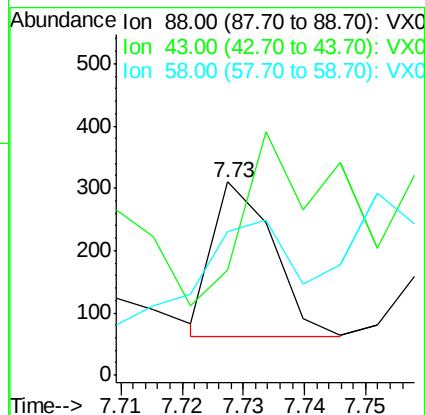
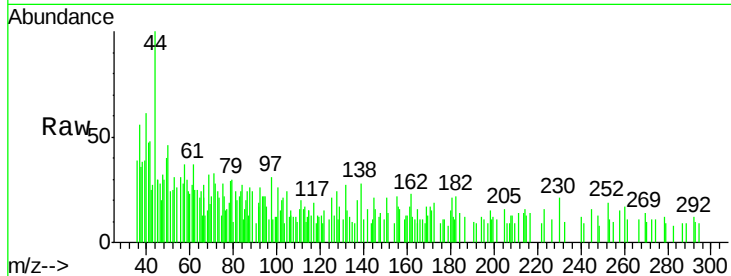
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

43 269.6 27.0 40.4#

58 164.9 53.2 79.8#



#50

Toluene-d8

Concen: 51.04 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015011.D

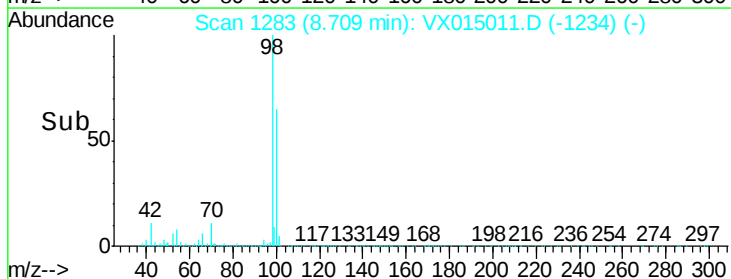
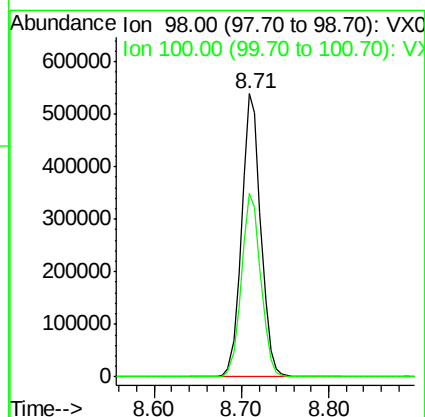
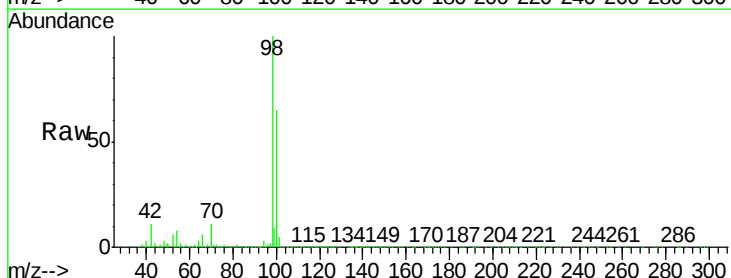
Acq: 26 Feb 2020 11:36

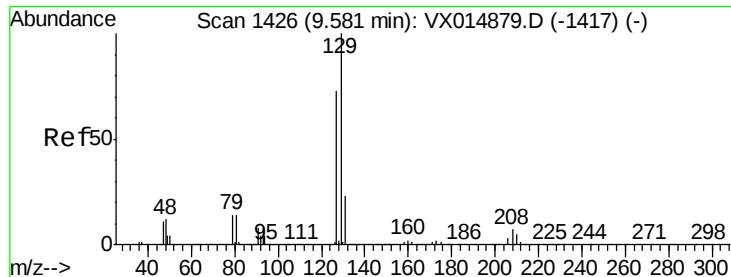
Tgt Ion: 98 Resp: 822361

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6





#60

Dibromochloromethane

Concen: 0.22 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

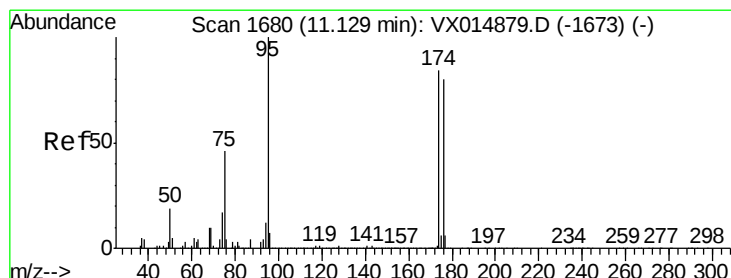
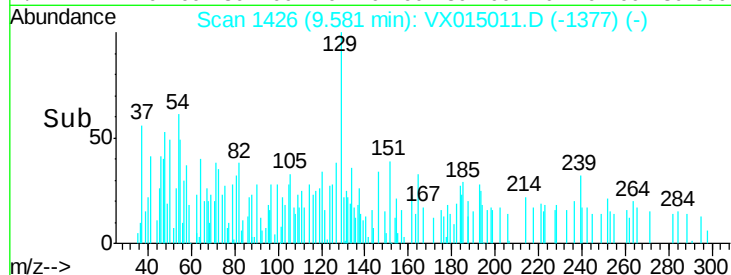
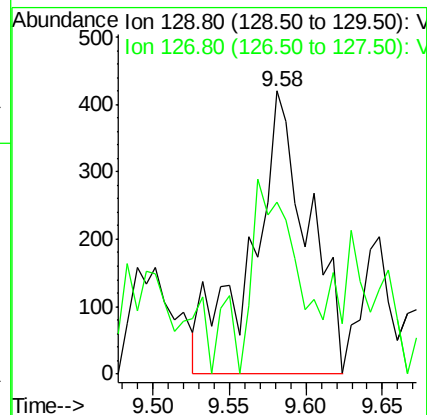
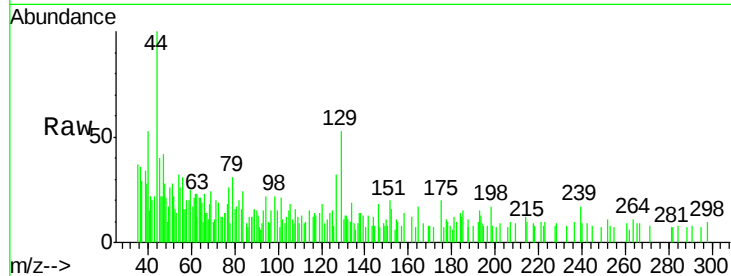
MH-117N-20200225

Tgt Ion:129 Resp: 1092

Ion Ratio Lower Upper

129 100

127 52.6 37.8 113.3



#62

4-Bromofluorobenzene

Concen: 51.25 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

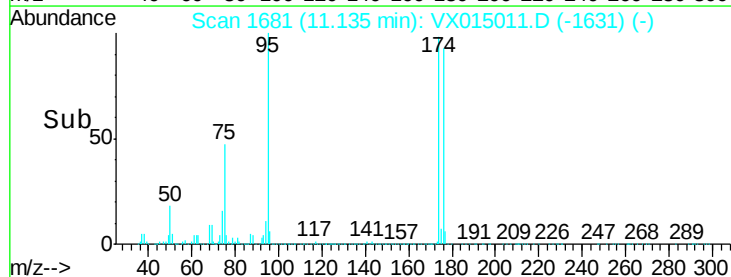
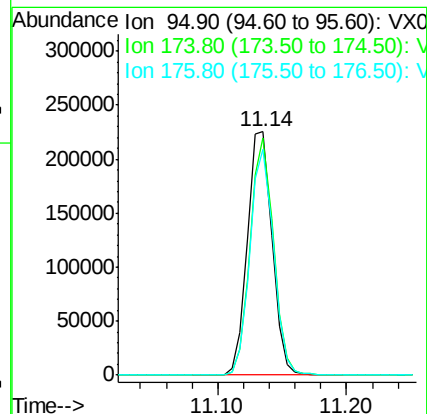
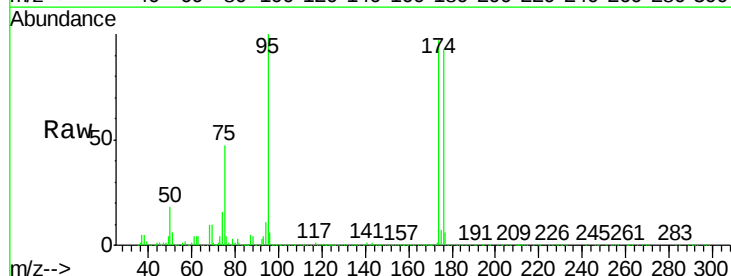
Tgt Ion: 95 Resp: 297481

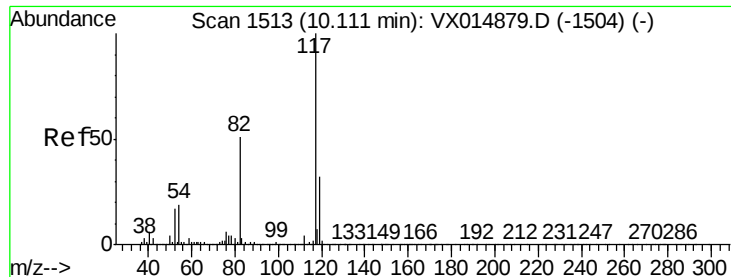
Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.0

176 88.7 0.0 178.0

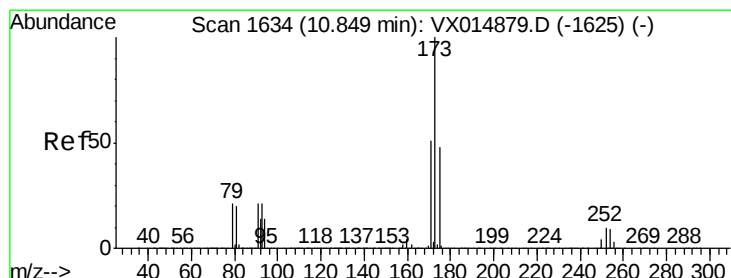
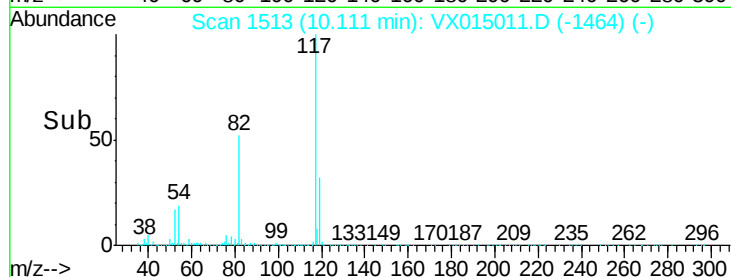
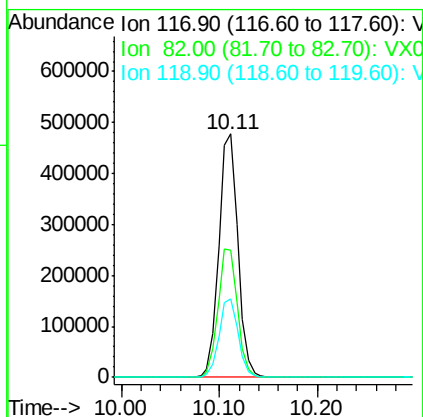
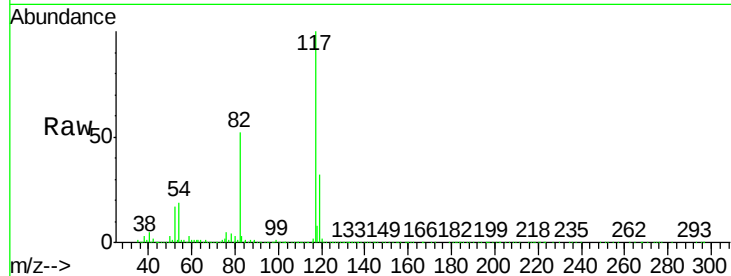




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015011.D
Acq: 26 Feb 2020 11:36

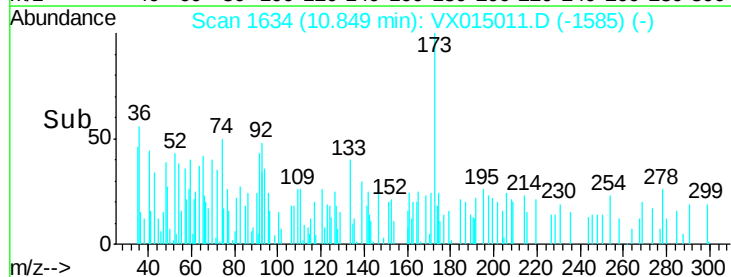
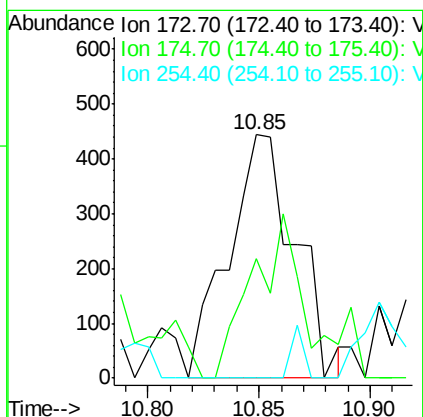
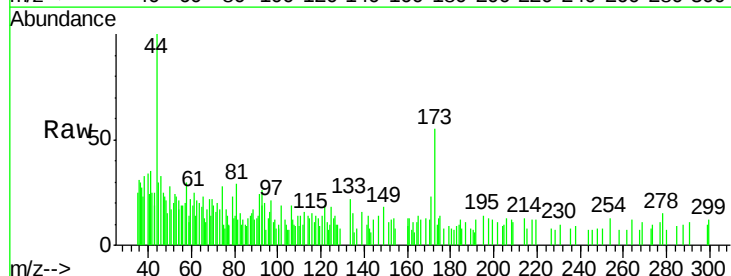
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200225

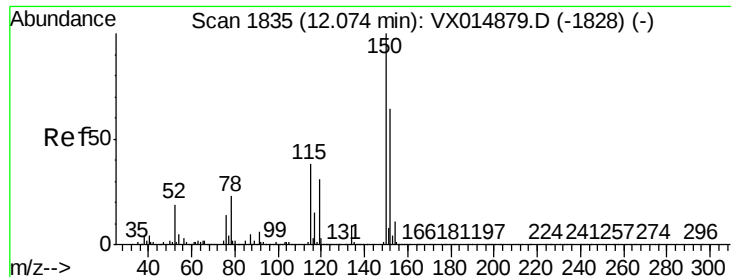
Tgt Ion:117 Resp: 645804
Ion Ratio Lower Upper
117 100
82 52.2 40.5 60.7
119 32.0 25.8 38.6



#71
Bromoform
Concen: 0.23 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX015011.D
Acq: 26 Feb 2020 11:36

Tgt Ion:173 Resp: 926
Ion Ratio Lower Upper
173 100
175 51.3 24.2 72.6
254 3.8 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015011.D

Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200225

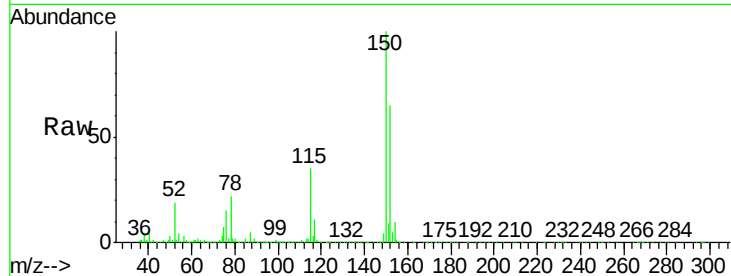
Tgt Ion: 152 Resp: 327557

Ion Ratio Lower Upper

152 100

115 54.9 38.6 116.0

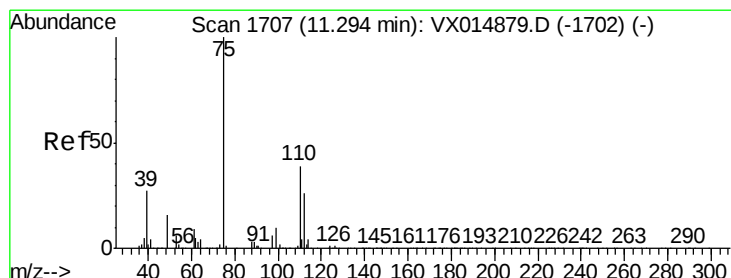
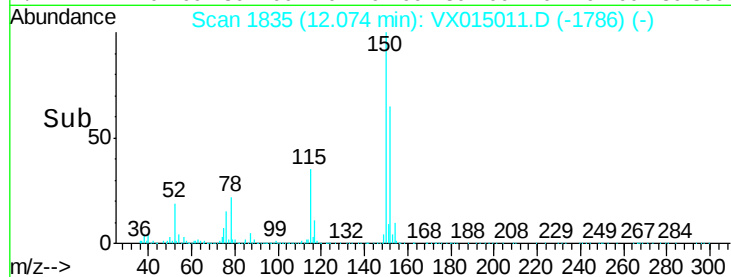
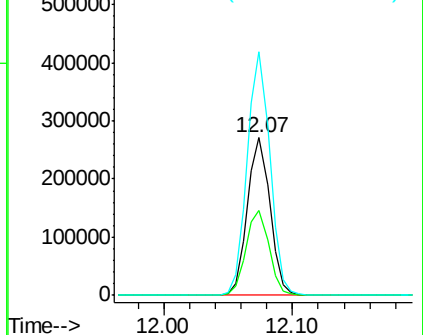
150 154.7 0.0 349.0



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: 24.77 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015011.D

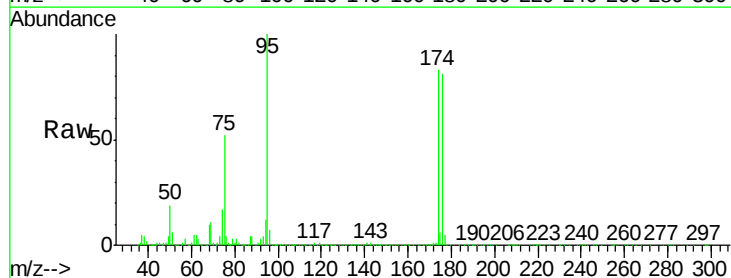
Acq: 26 Feb 2020 11:36

Tgt Ion: 75 Resp: 146714

Ion Ratio Lower Upper

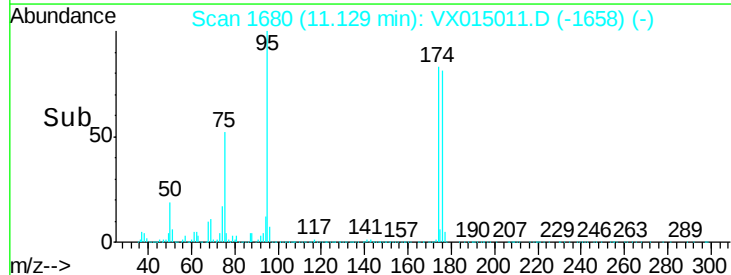
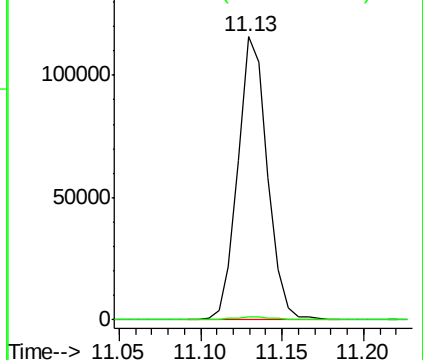
75 100

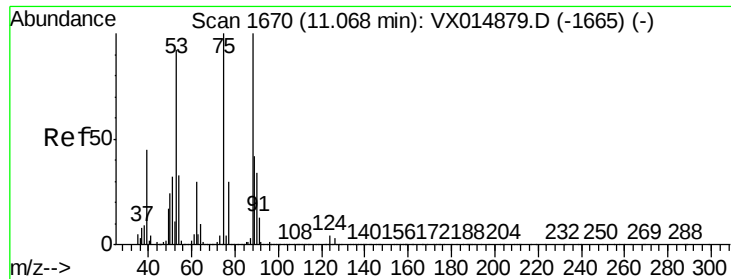
77 1.7 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.40 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015011.D

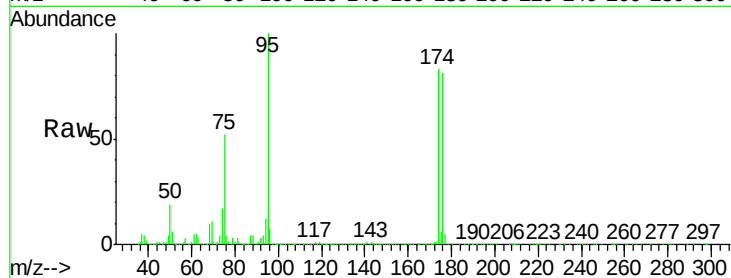
Acq: 26 Feb 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200225



Tgt Ion:	75	Resp:	146714
Ion	Ratio	Lower	Upper
75	100		
53	0.2	76.2	114.2#
89	0.1	35.8	53.6#

