

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
 Data File : VX015013.D
 Acq On : 26 Feb 2020 12:21
 Operator : JC/SP
 Sample : L1683-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-118.5N-20200225

Quant Time: Feb 26 12:53:15 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	423925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	663645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	634192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	326771	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	238188	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	5.49	113	200540	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	8.71	98	799661	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.14	95	293447	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	

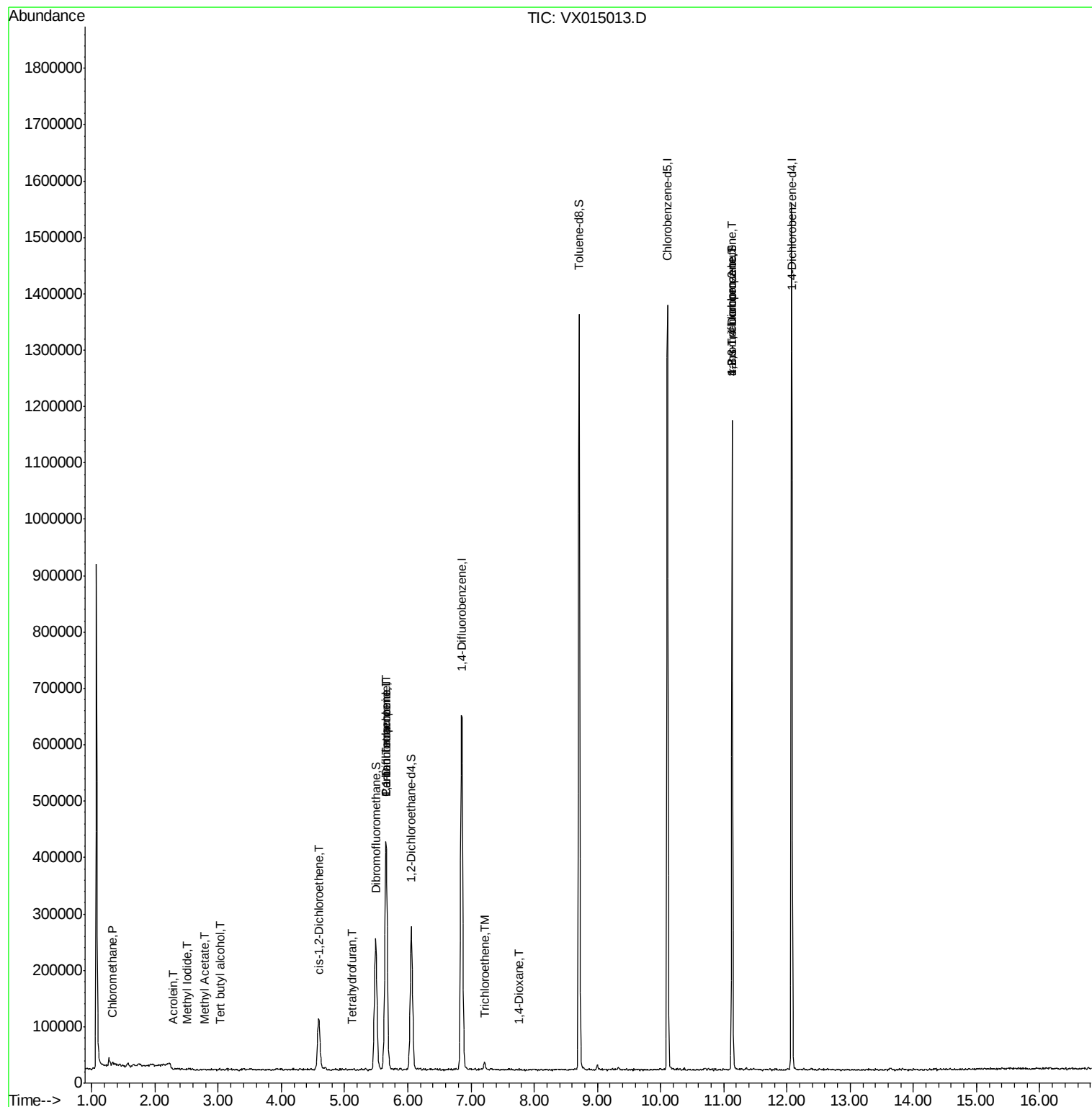
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1104	0.24	ug/l	91
10) Methyl Iodide	2.50	142	246	4.42	ug/l #	1
11) Tert butyl alcohol	3.03	59	218	0.26	ug/l #	1
13) Acrolein	2.28	56	611	0.95	ug/l #	44
16) Acetone	2.44	43	3281	Below Cal		95
18) Methyl Acetate	2.77	43	981	0.20	ug/l #	88
27) cis-1,2-Dichloroethene	4.59	96	62699	13.08	ug/l	86
29) Tetrahydrofuran	5.11	42	460	0.25	ug/l #	76
36) 1,1-Dichloropropene	5.65	75	27055	4.56	ug/l #	46
38) Carbon Tetrachloride	5.65	117	37516	6.48	ug/l #	16
44) Trichloroethene	7.22	130	5789	1.12	ug/l	99
49) 1,4-Dioxane	7.76	88	420	4.47	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	143221	24.24	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	143221	62.04	ug/l #	12

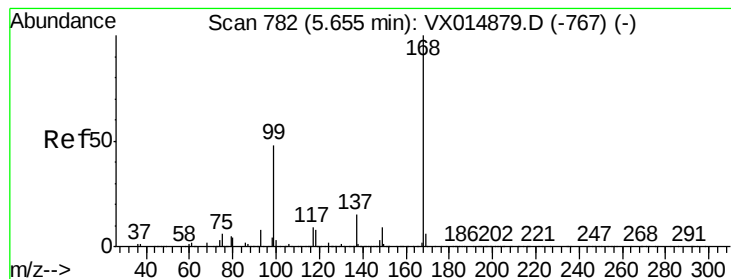
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

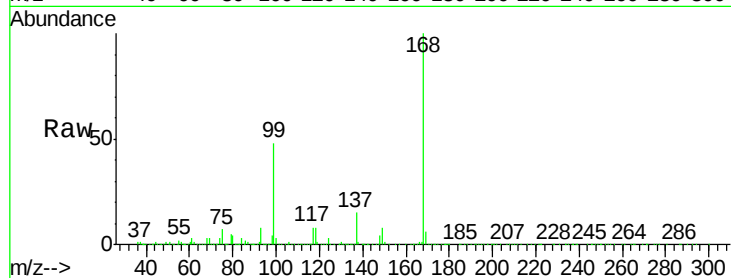
MH-118.5N-20200225

Tgt Ion:168 Resp: 423925

Ion Ratio Lower Upper

168 100

99 48.3 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

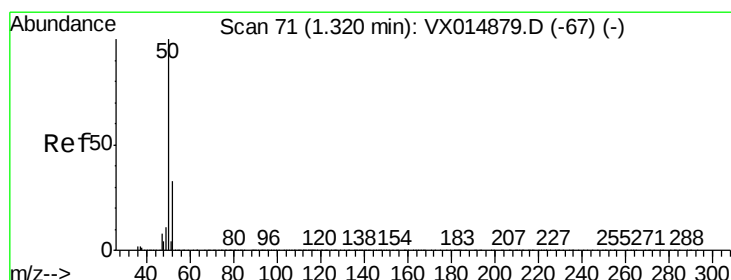
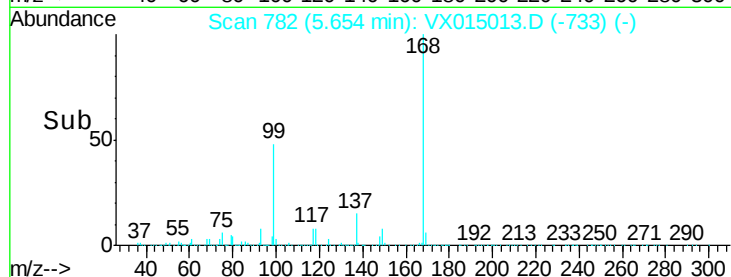
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015013.D

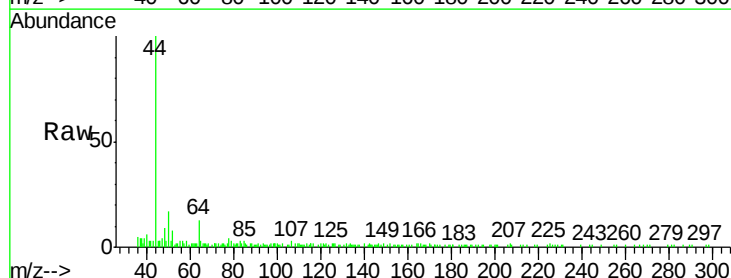
Acq: 26 Feb 2020 12:21

Tgt Ion: 50 Resp: 1104

Ion Ratio Lower Upper

50 100

52 37.7 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

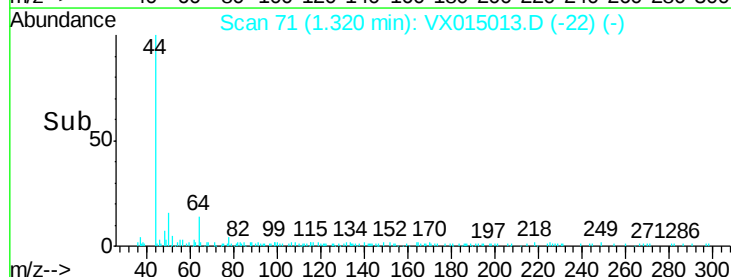
1500

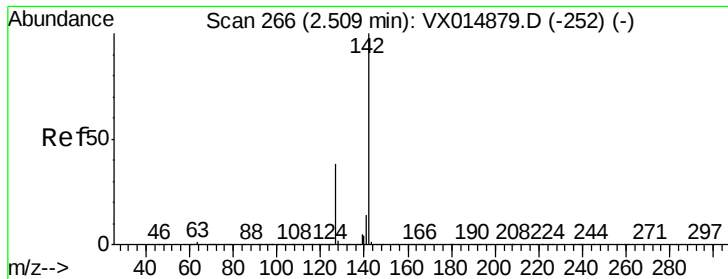
1000

500

0

Time-->

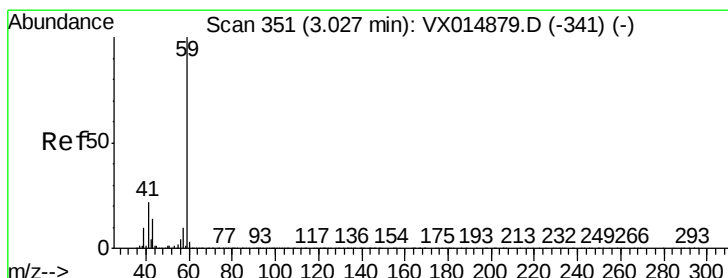
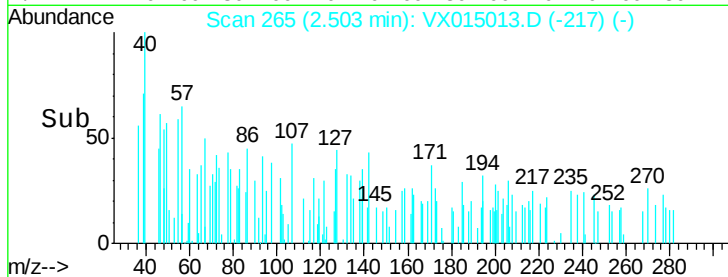
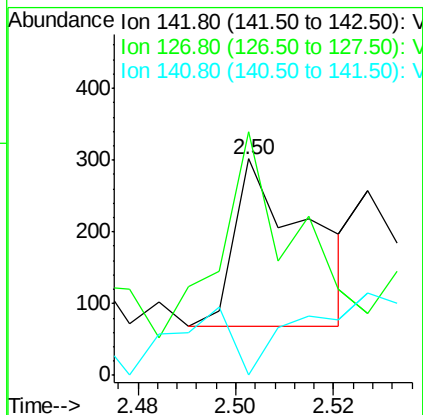
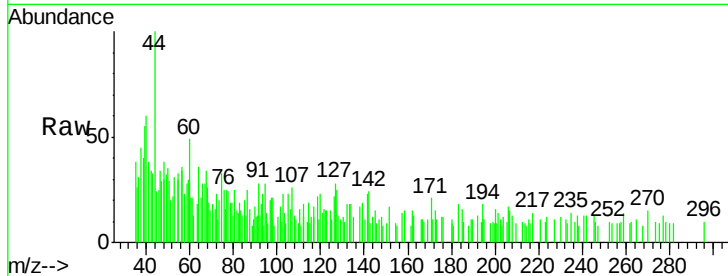




#10
Methyl Iodide
Concen: 4.42 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015013.D
Acq: 26 Feb 2020 12:21

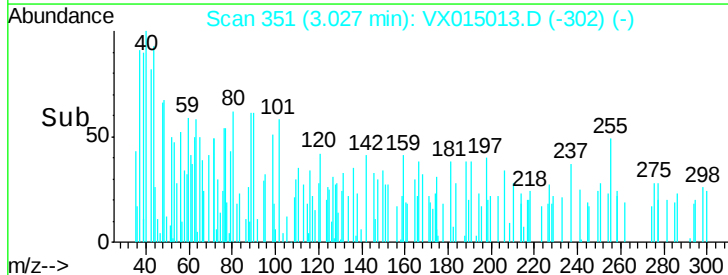
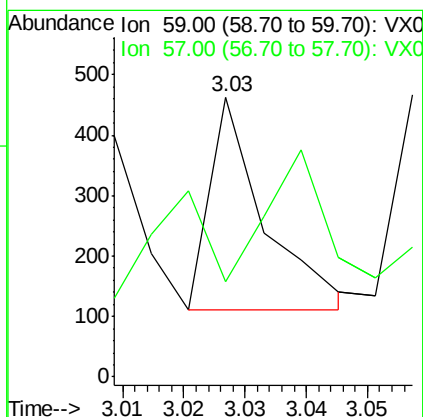
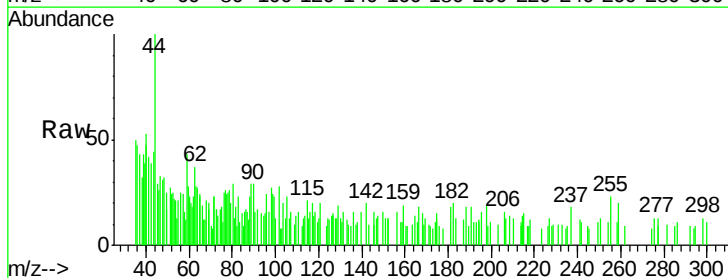
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MSVOA_X
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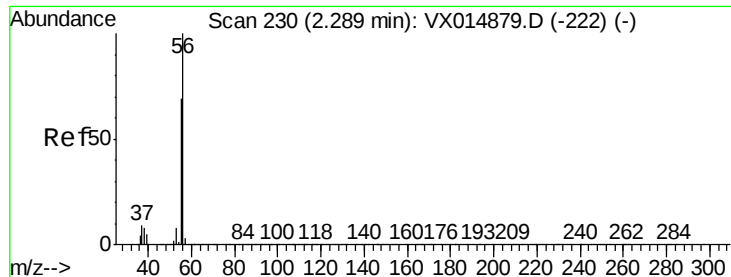
Tgt Ion: 142 Resp: 246
Ion Ratio Lower Upper
142 100
127 213.8 31.1 46.7#
141 31.7 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX015013.D
Acq: 26 Feb 2020 12:21

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 51.8 8.2 12.4#





#13

Acrolein

Concen: 0.95 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

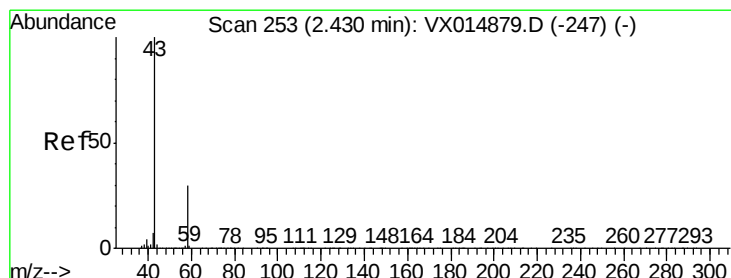
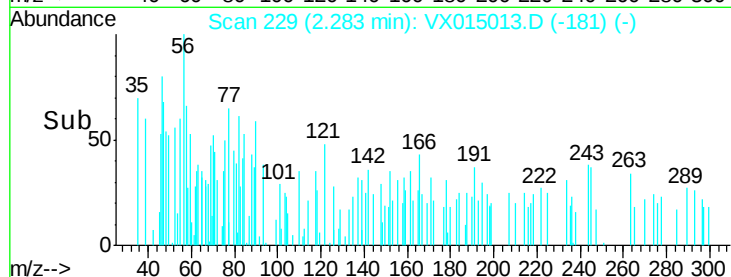
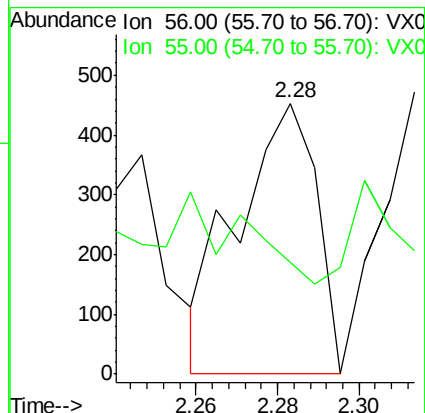
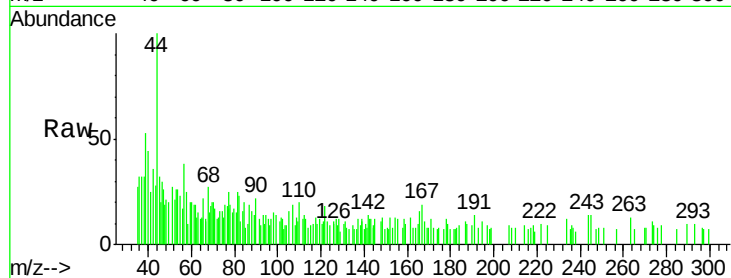
MH-118.5N-20200225

Tgt Ion: 56 Resp: 611

Ion Ratio Lower Upper

56 100

55 23.4 55.0 82.4#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015013.D

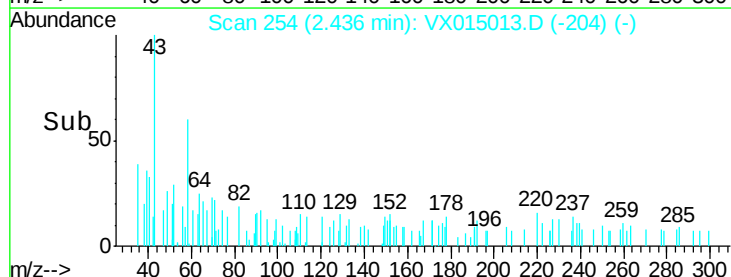
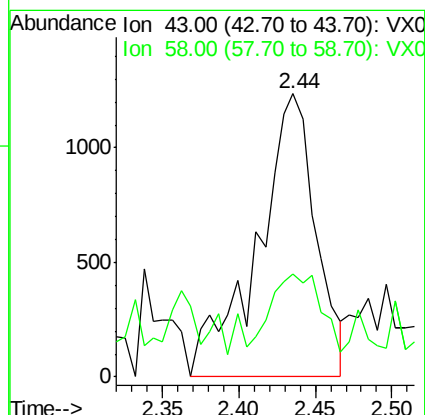
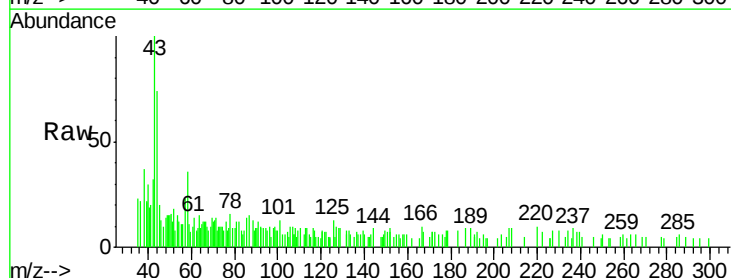
Acq: 26 Feb 2020 12:21

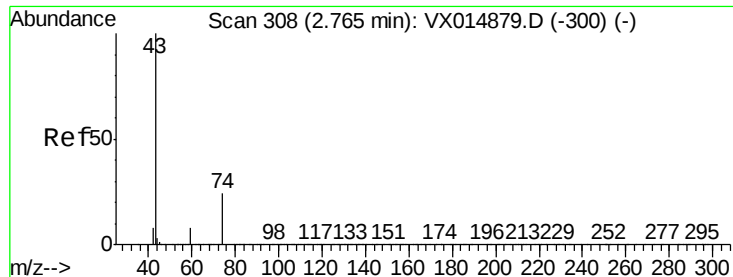
Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

58 27.4 24.1 36.1

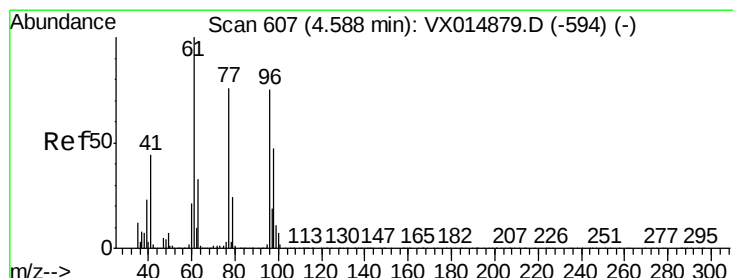
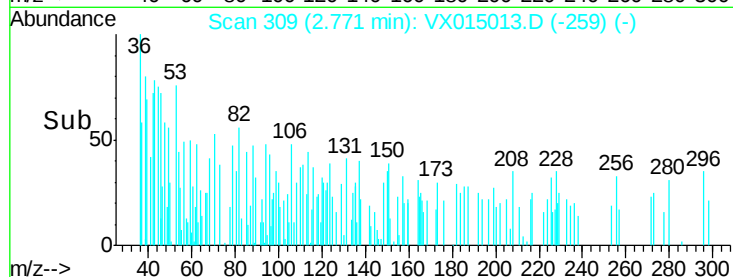
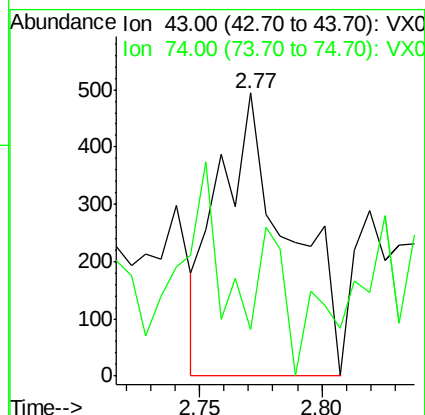
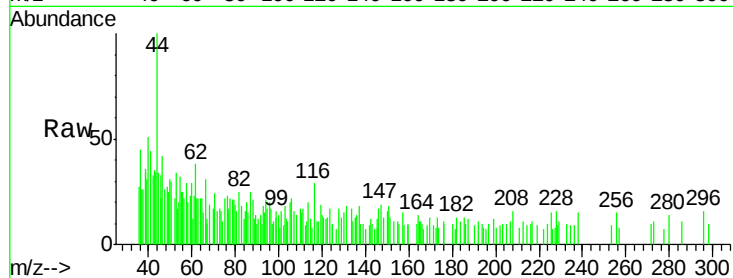




#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX015013.D
Acq: 26 Feb 2020 12:21

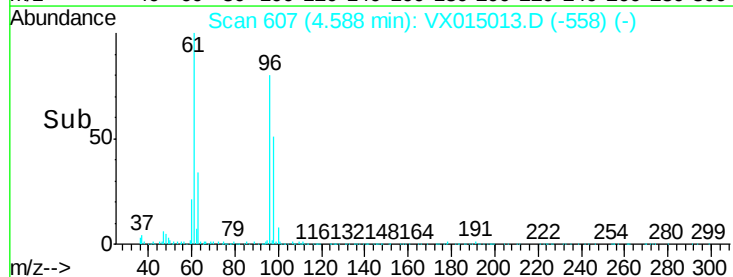
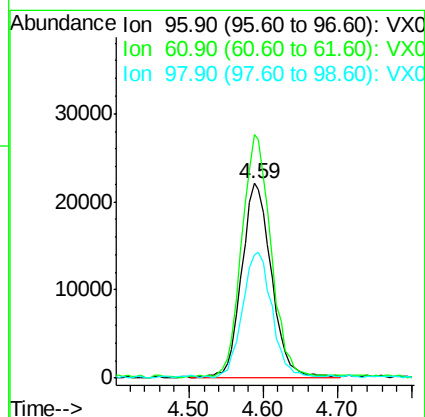
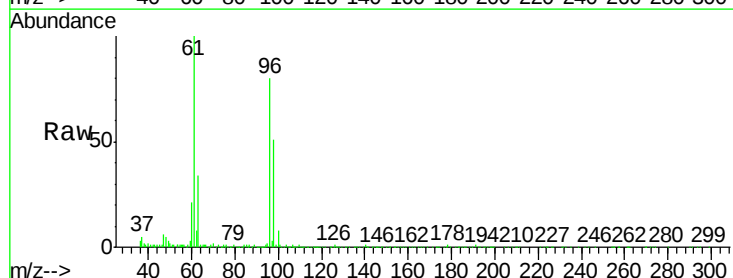
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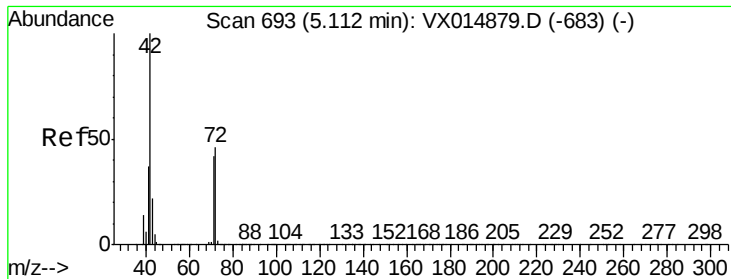
Tgt Ion: 43 Resp: 981
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.0#



#27
cis-1,2-Dichloroethene
Concen: 13.08 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015013.D
Acq: 26 Feb 2020 12:21

Tgt Ion: 96 Resp: 62699
Ion Ratio Lower Upper
96 100
61 120.4 0.0 286.2
98 62.2 0.0 131.0

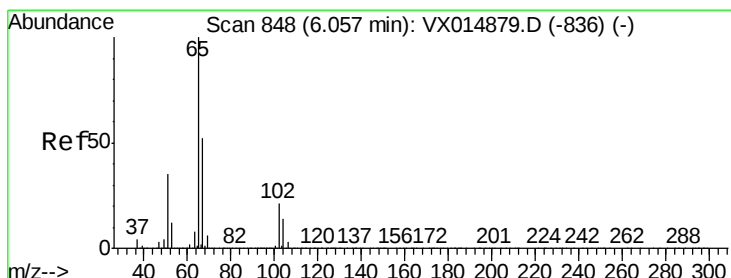
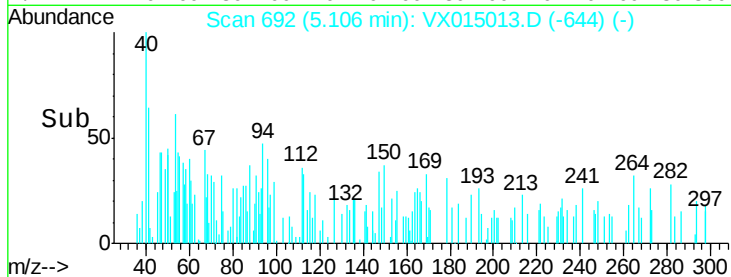
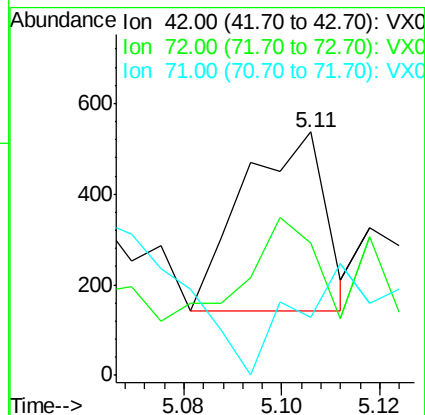
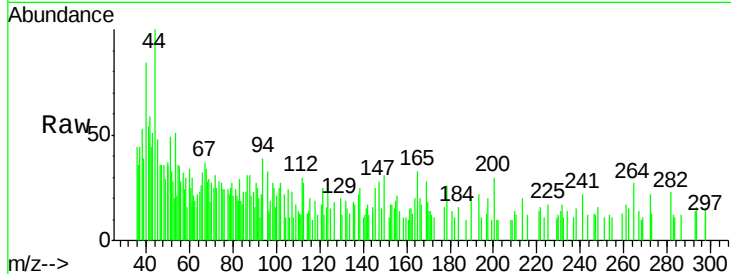




#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX015013.D
Acq: 26 Feb 2020 12:21

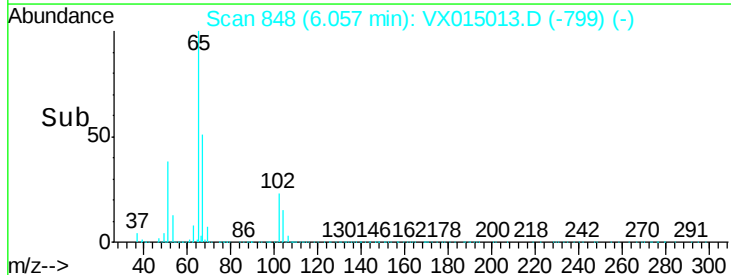
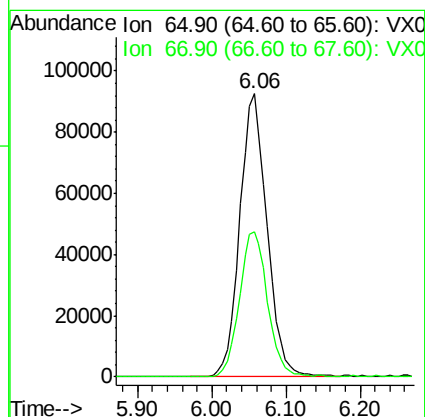
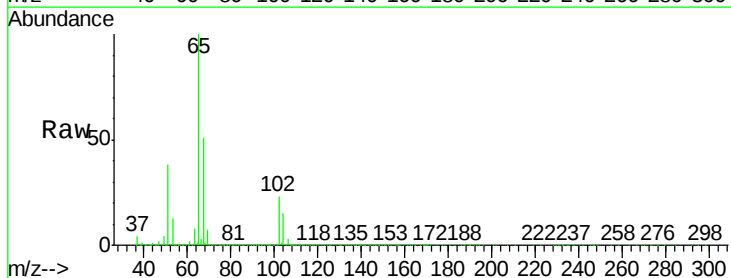
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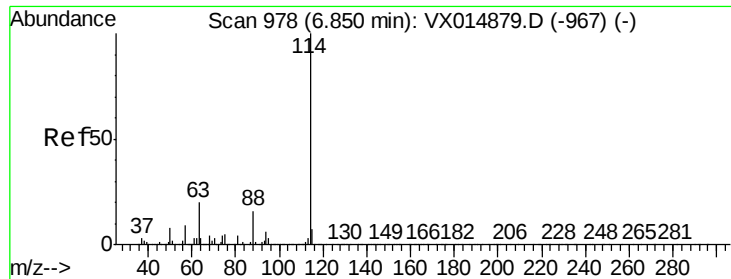
Tgt Ion: 42 Resp: 460
Ion Ratio Lower Upper
42 100
72 63.9 36.9 55.3#
71 55.4 34.1 51.1#



#33
1,2-Dichloroethane-d4
Concen: 49.79 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015013.D
Acq: 26 Feb 2020 12:21

Tgt Ion: 65 Resp: 238188
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20200225

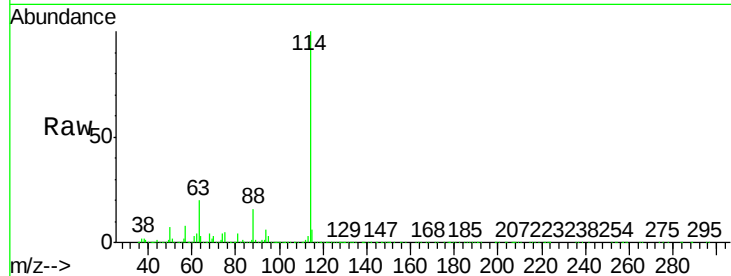
Tgt Ion:114 Resp: 663645

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

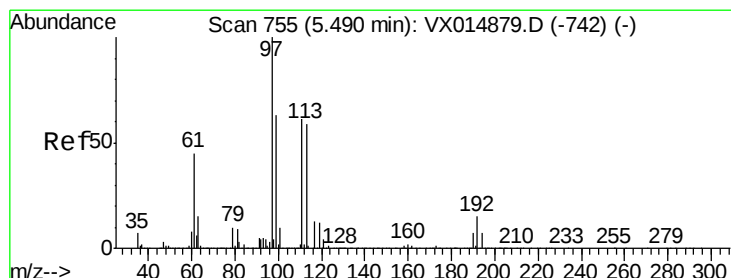
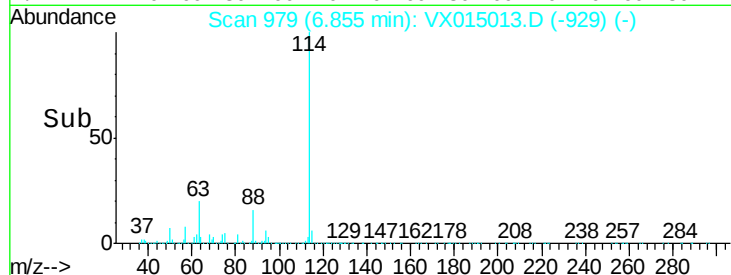
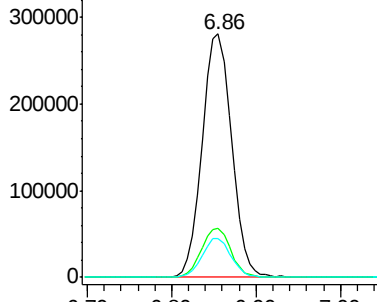
88 15.7 0.0 32.0



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



#35

Dibromofluoromethane

Concen: 49.15 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

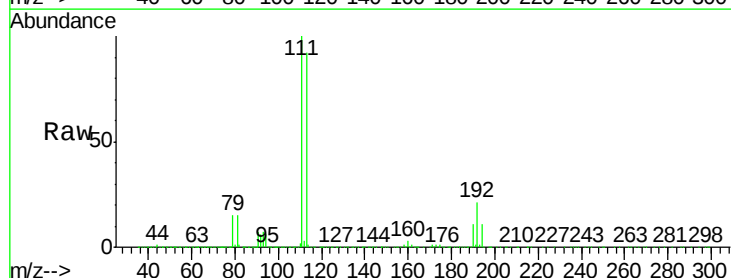
Tgt Ion:113 Resp: 200540

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

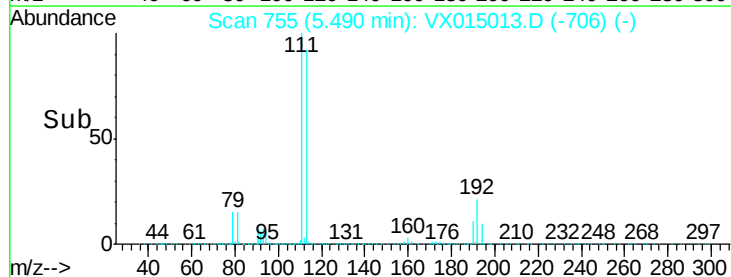
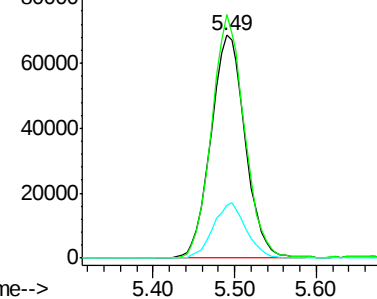
192 23.6 19.1 28.7

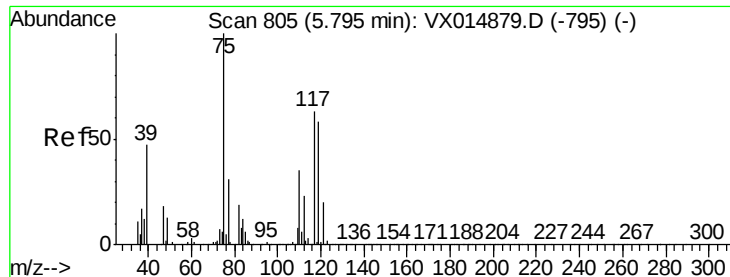


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

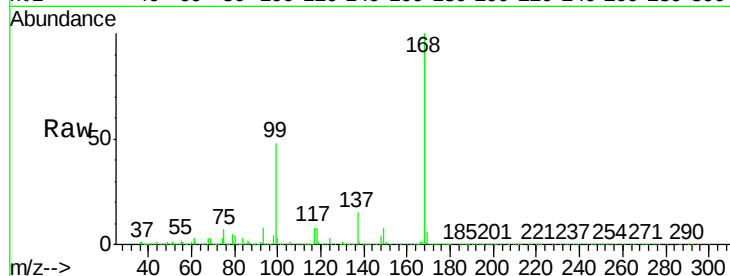




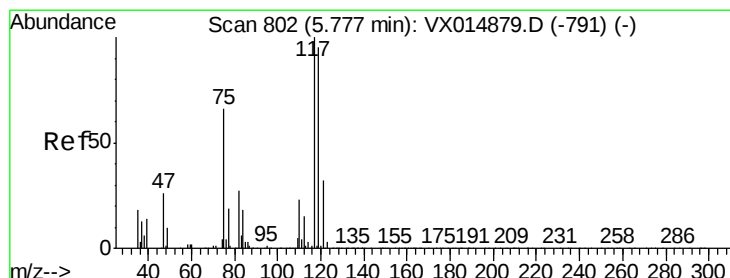
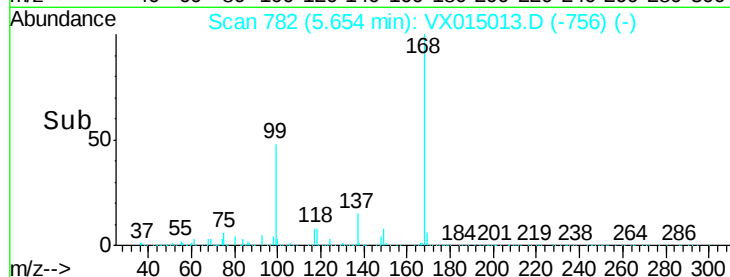
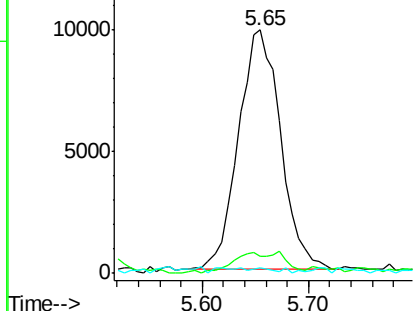
#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015013.D
 Acq: 26 Feb 2020 12:21

Instrument :
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Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.8	18.3	54.8#
77	0.0	24.6	36.8#

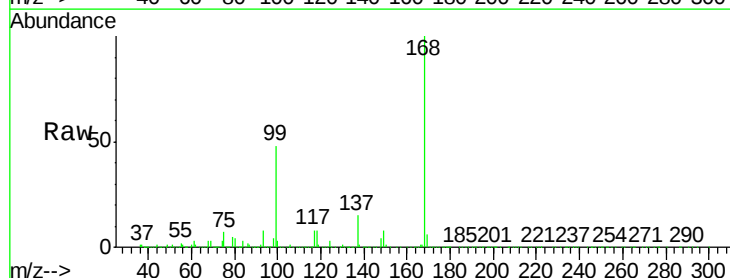


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

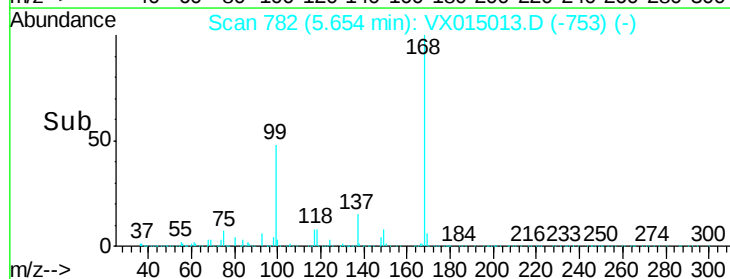
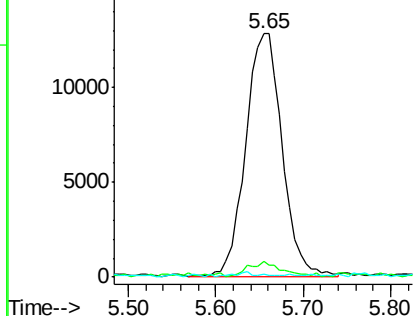


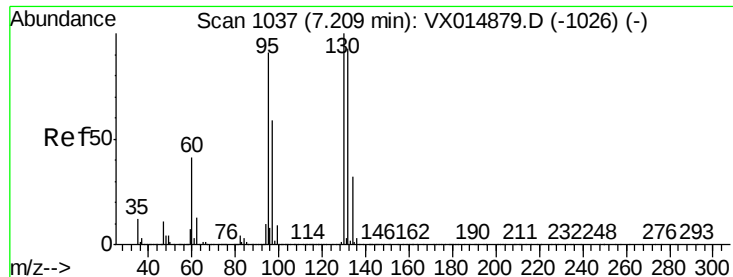
#38
 Carbon Tetrachloride
 Concen: 6.48 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015013.D
 Acq: 26 Feb 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.0	114.0#
121	0.1	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: 1.12 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

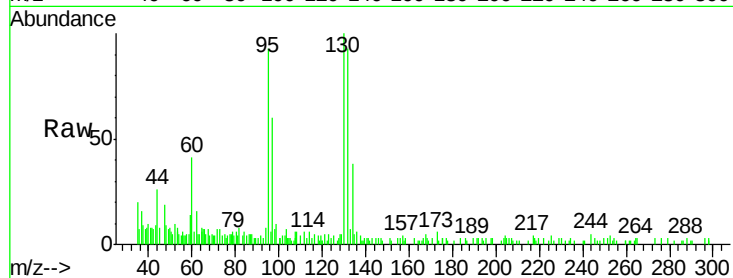
MH-118.5N-20200225

Tgt Ion: 130 Resp: 5789

Ion Ratio Lower Upper

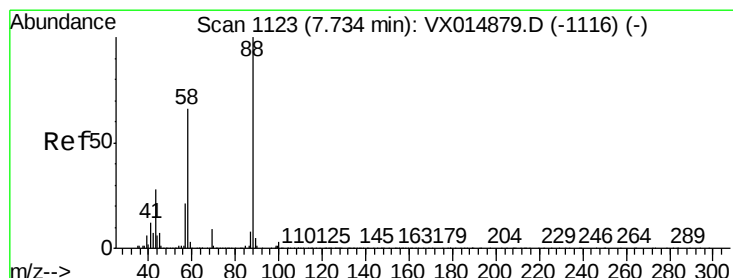
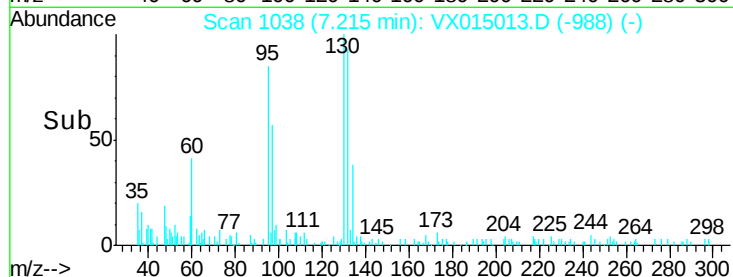
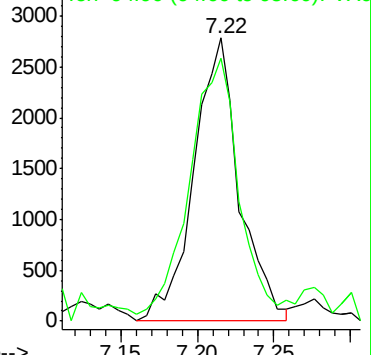
130 100

95 90.3 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: 4.47 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

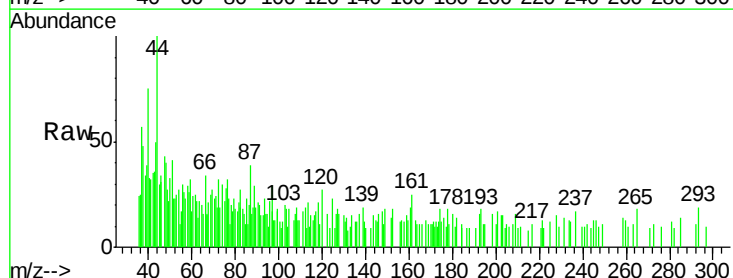
Tgt Ion: 88 Resp: 420

Ion Ratio Lower Upper

88 100

43 262.9 27.0 40.4#

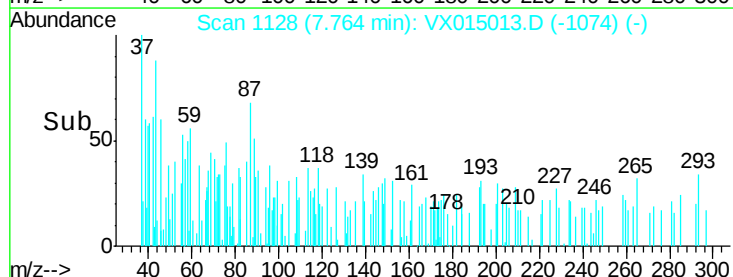
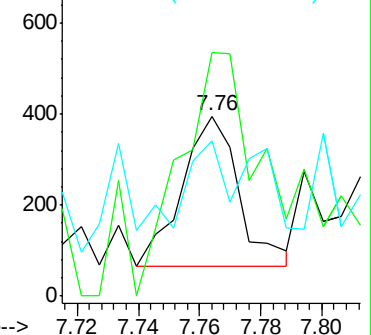
58 44.8 53.2 79.8#

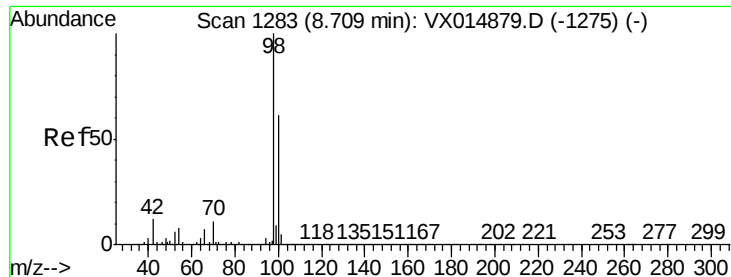


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.35 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

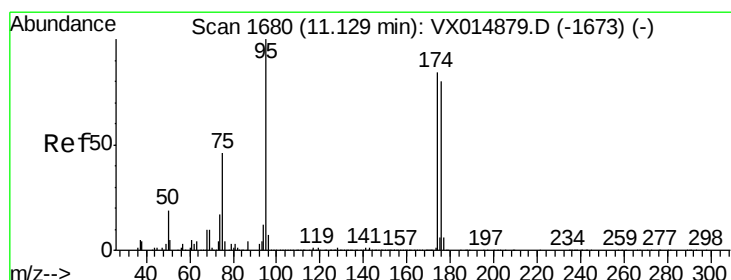
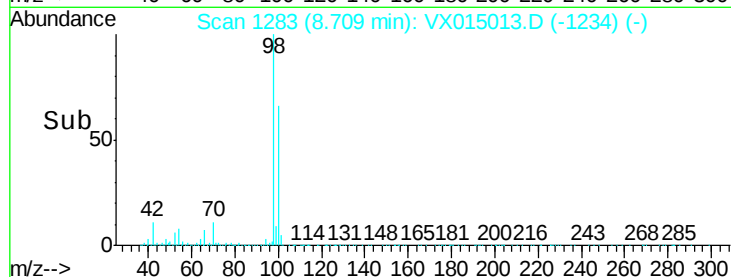
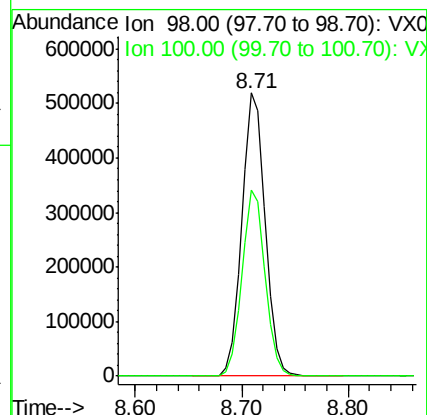
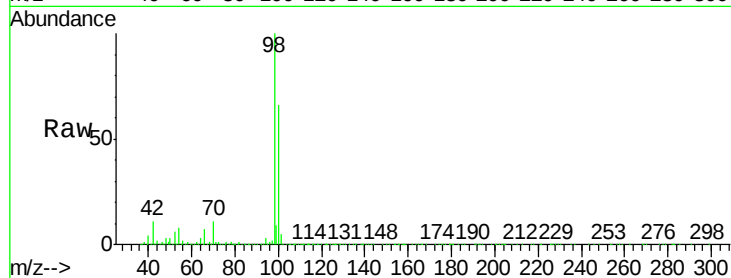
MH-118.5N-20200225

Tgt Ion: 98 Resp: 799661

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.31 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

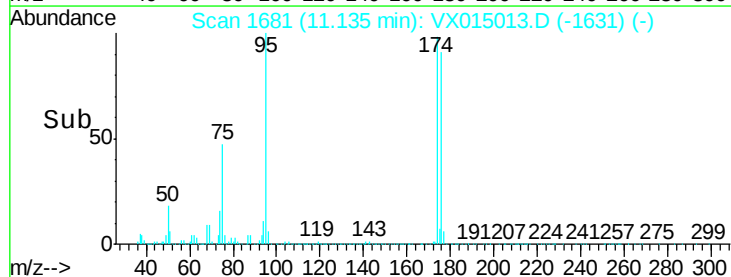
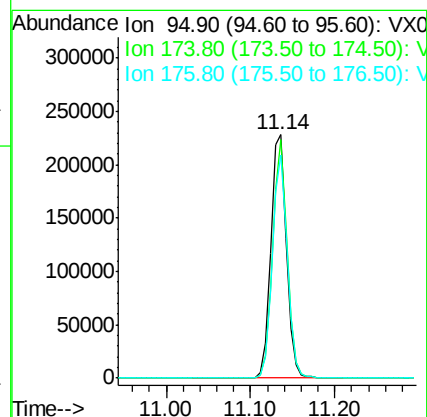
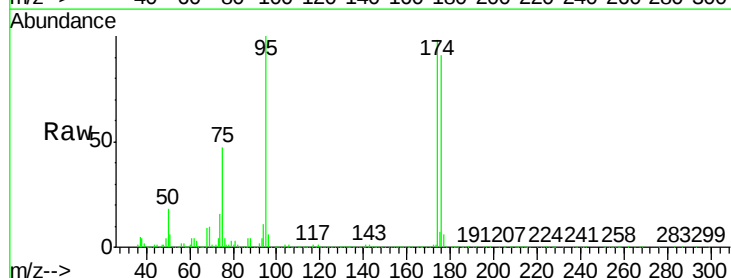
Tgt Ion: 95 Resp: 293447

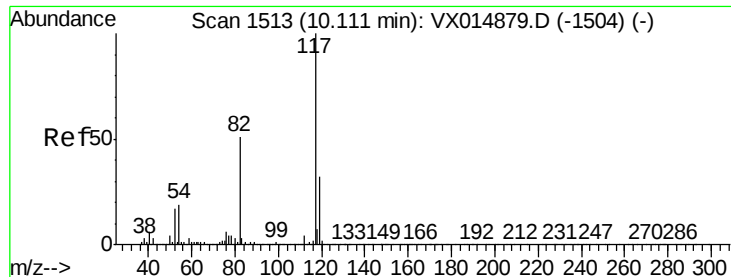
Ion Ratio Lower Upper

95 100

174 91.3 0.0 183.0

176 88.1 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: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20200225

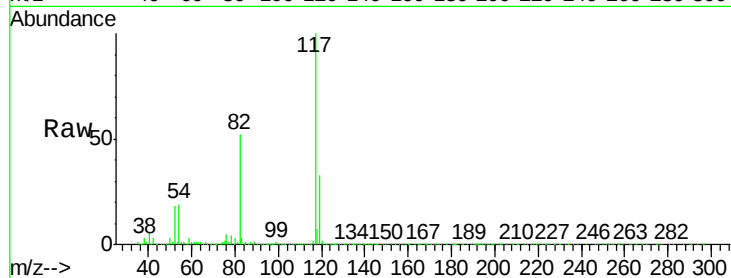
Tgt Ion:117 Resp: 634192

Ion Ratio Lower Upper

117 100

82 52.5 40.5 60.7

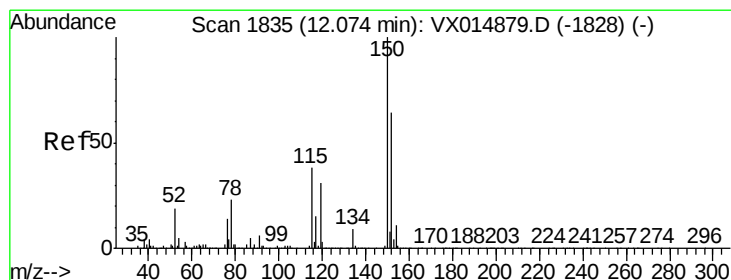
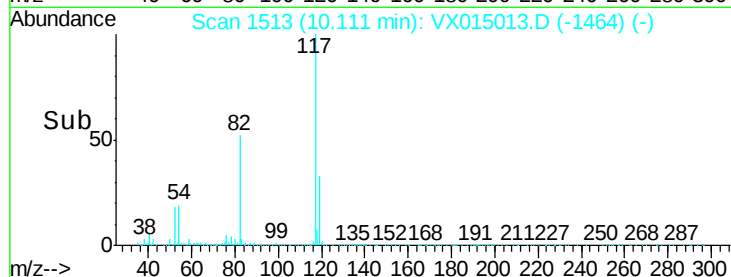
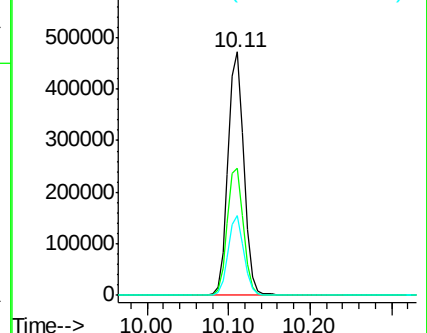
119 32.7 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

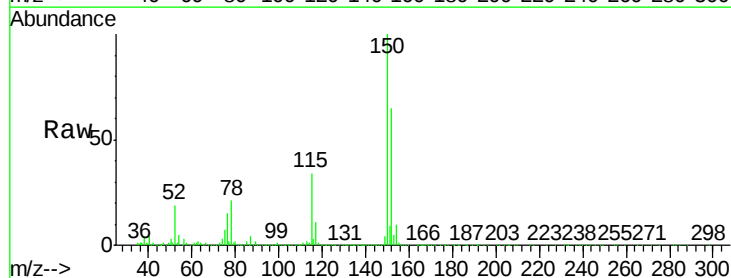
Tgt Ion:152 Resp: 326771

Ion Ratio Lower Upper

152 100

115 54.2 38.6 116.0

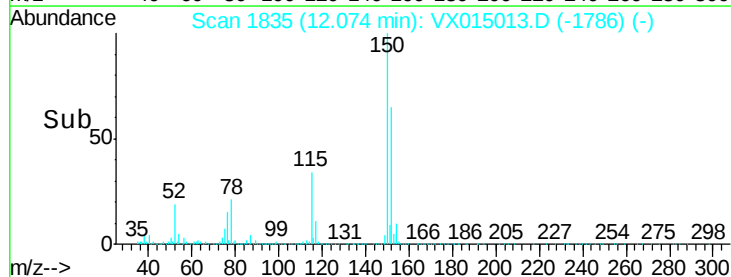
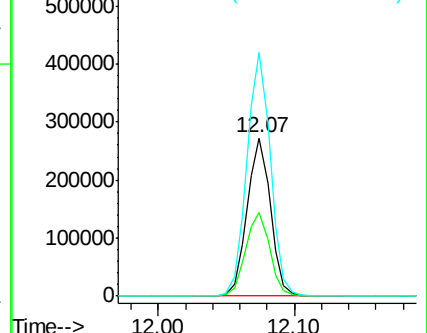
150 155.1 0.0 349.0

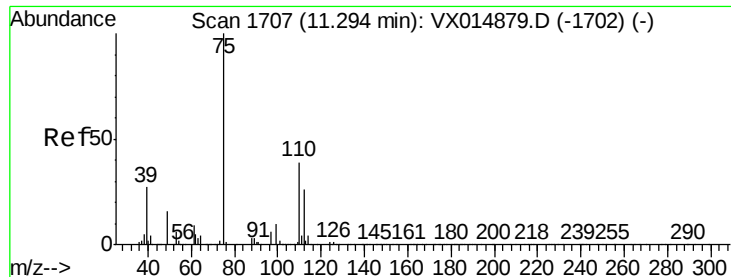


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.24 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

Instrument :

MSVOA_X

ClientSampleId :

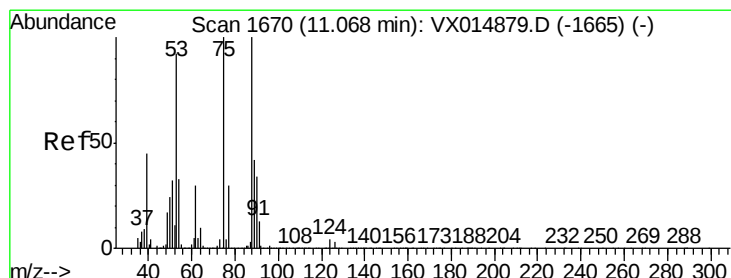
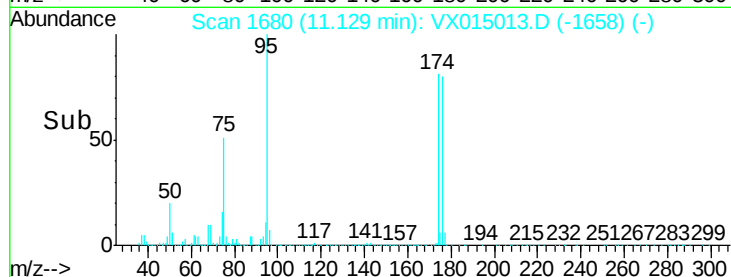
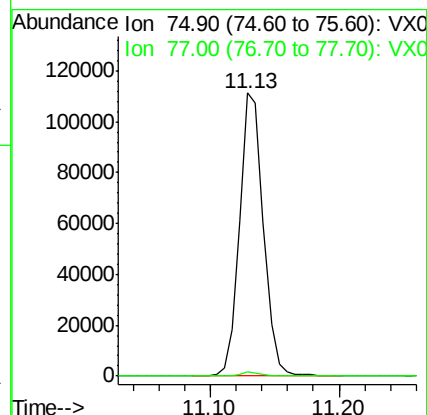
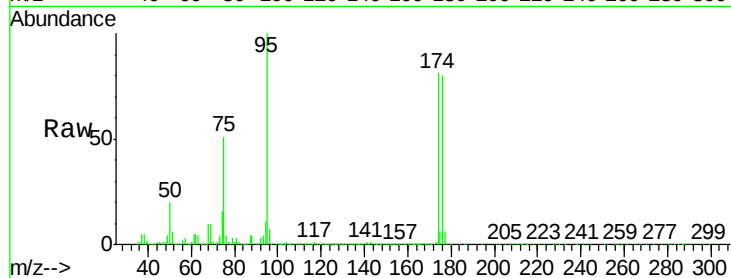
MH-118.5N-20200225

Tgt Ion: 75 Resp: 143221

Ion Ratio Lower Upper

75 100

77 1.7 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.04 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015013.D

Acq: 26 Feb 2020 12:21

Tgt Ion: 75 Resp: 143221

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 35.8 53.6#

