

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX022620\
 Data File : VX015012.D
 Acq On : 26 Feb 2020 11:58
 Operator : JC/SP
 Sample : L1683-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20200225

Quant Time: Feb 26 12:53:02 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	427056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	672188	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	643174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	326838	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	237360	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	5.49	113	202755	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	8.71	98	805605	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.13	95	297780	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

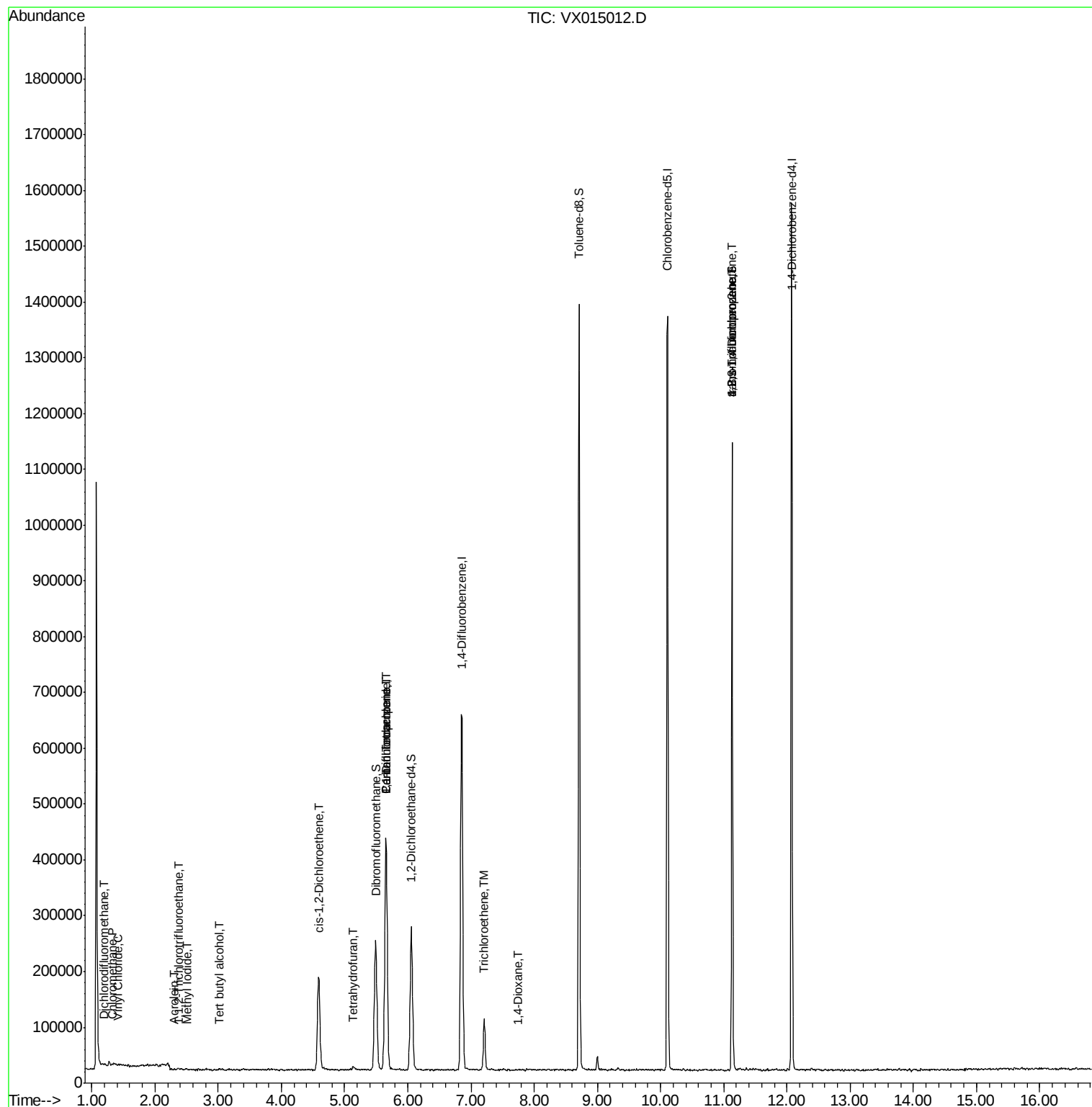
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	1272	0.31	ug/l	86
3) Chloromethane	1.32	50	1021	0.22	ug/l #	84
4) Vinyl Chloride	1.40	62	1022	0.21	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	871	0.22	ug/l #	54
10) Methyl Iodide	2.50	142	1178	4.61	ug/l #	87
11) Tert butyl alcohol	3.01	59	868	1.02	ug/l #	54
13) Acrolein	2.30	56	245	0.38	ug/l	84
16) Acetone	2.43	43	1825	Below	Cal #	85
27) cis-1,2-Dichloroethene	4.59	96	113248	23.46	ug/l	89
29) Tetrahydrofuran	5.14	42	5066	2.72	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	28013	4.66	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37873	6.46	ug/l #	18
44) Trichloroethene	7.21	130	38088	7.30	ug/l	98
49) 1,4-Dioxane	7.74	88	82	0.86	ug/l #	69
76) 1,2,3-Trichloropropane	11.13	75	146560	24.80	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	146560	63.47	ug/l #	12

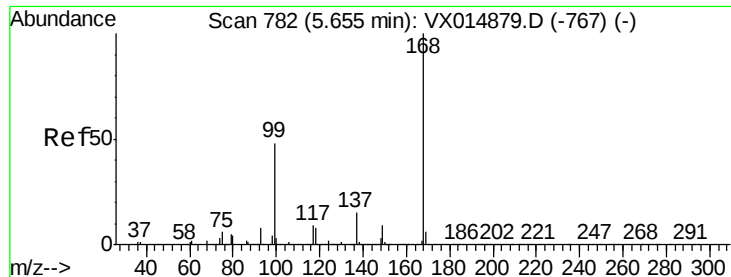
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015012.D

Acq: 26 Feb 2020 11:58

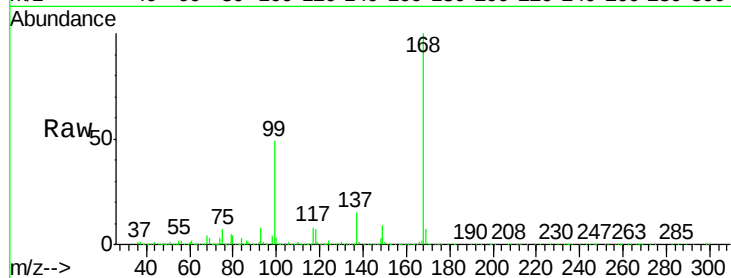
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200225

Tgt Ion:168 Resp: 427056

Ion Ratio Lower Upper

168 100

99 48.8 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

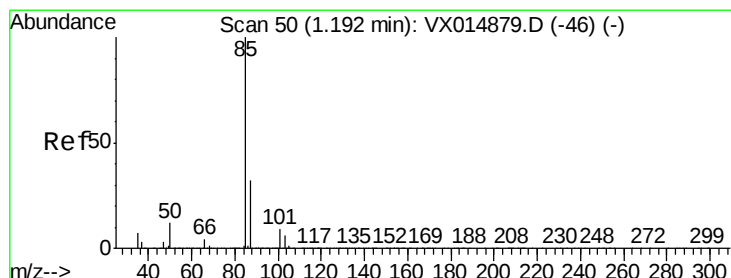
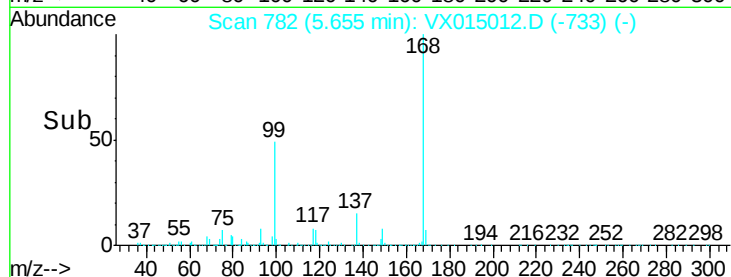
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.31 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015012.D

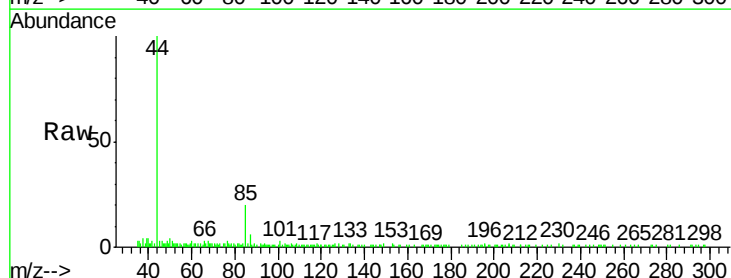
Acq: 26 Feb 2020 11:58

Tgt Ion: 85 Resp: 1272

Ion Ratio Lower Upper

85 100

87 24.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

2000

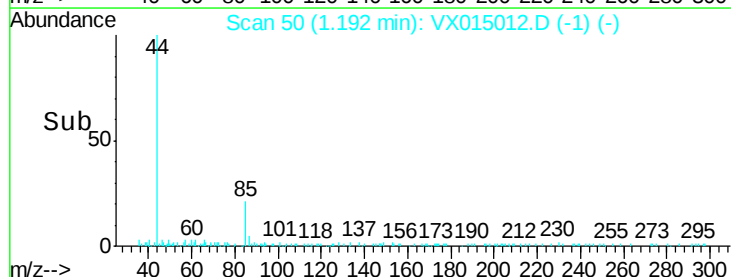
1500

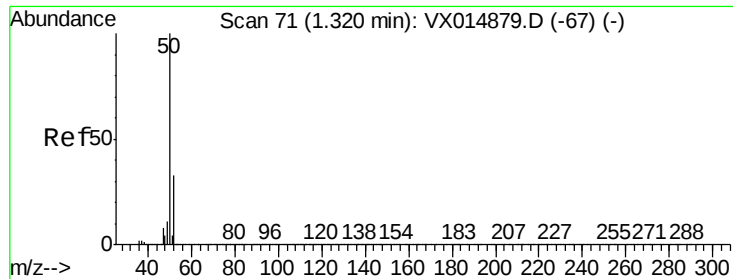
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

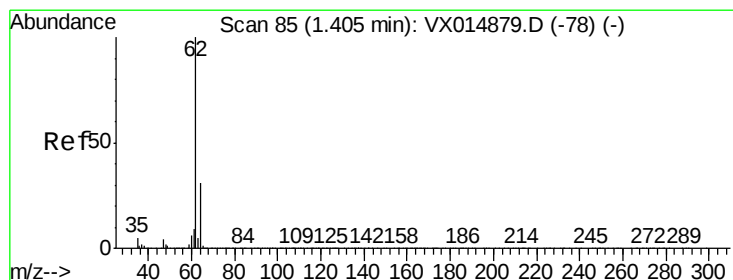
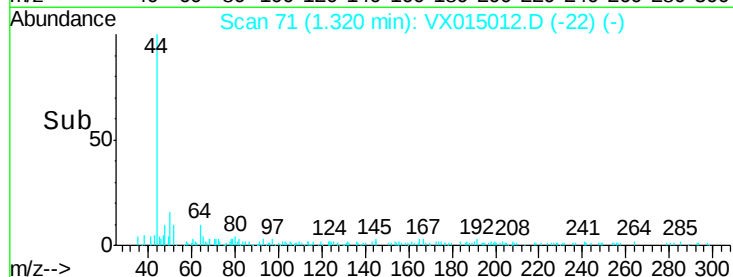
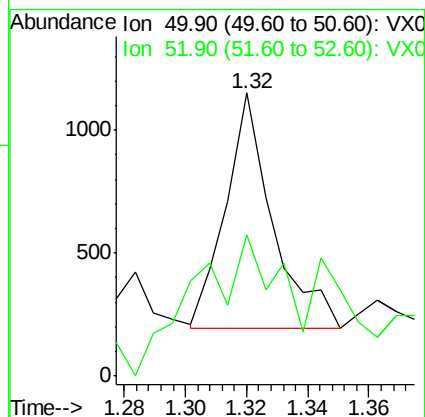
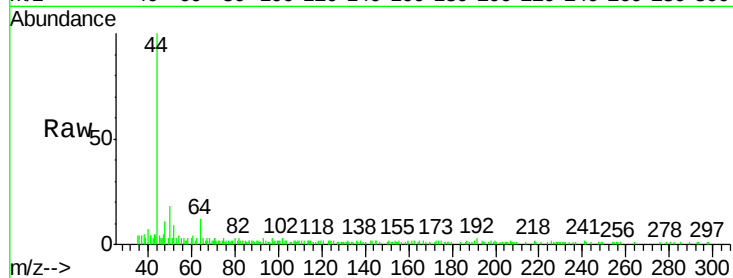
MH-117T-20200225

Tgt Ion: 50 Resp: 1021

Ion Ratio Lower Upper

50 100

52 23.6 26.2 39.2#



#4

Vinyl Chloride

Concen: 0.21 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015012.D

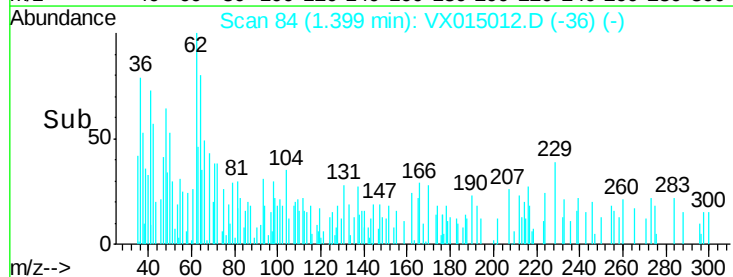
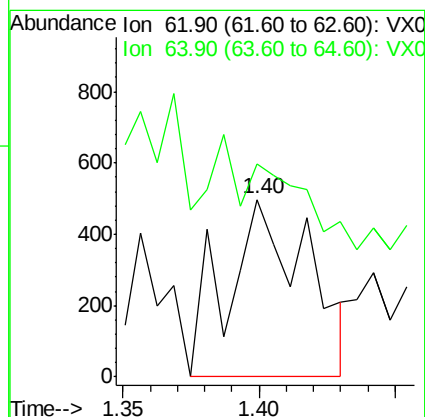
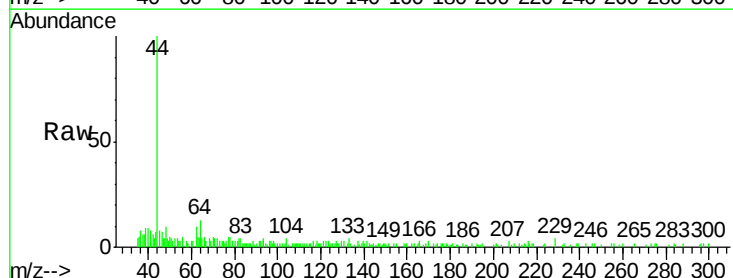
Acq: 26 Feb 2020 11:58

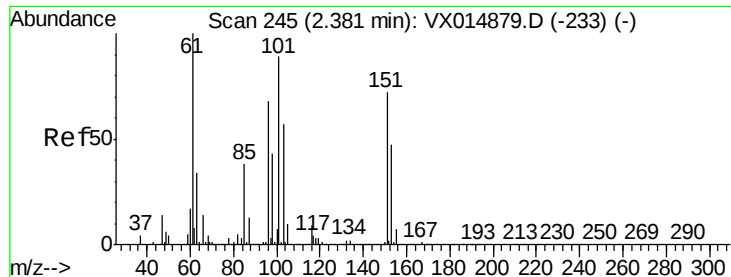
Tgt Ion: 62 Resp: 1022

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.22 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200225

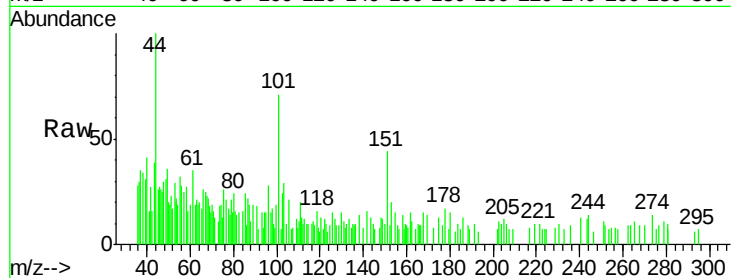
Tgt Ion:101 Resp: 871

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

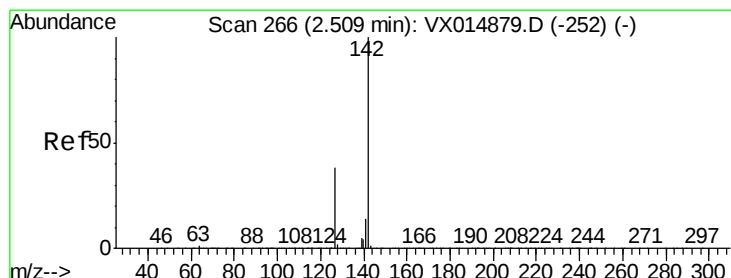
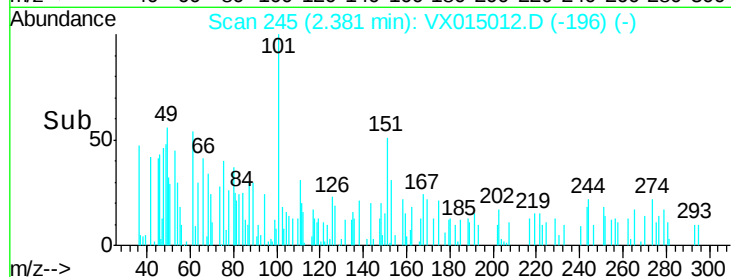
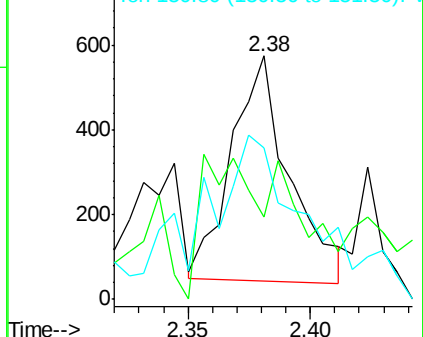
151 115.6 67.3 100.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.61 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

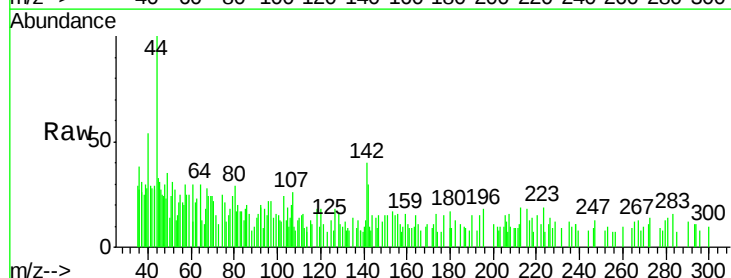
Tgt Ion:142 Resp: 1178

Ion Ratio Lower Upper

142 100

127 42.4 31.1 46.7

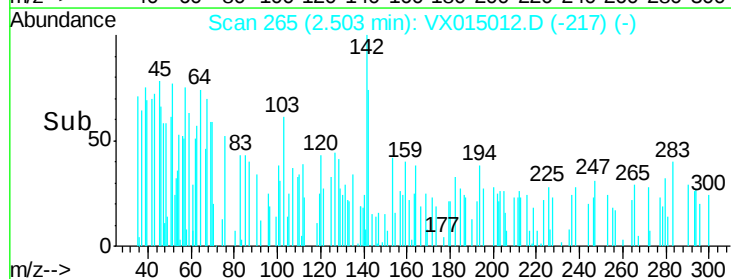
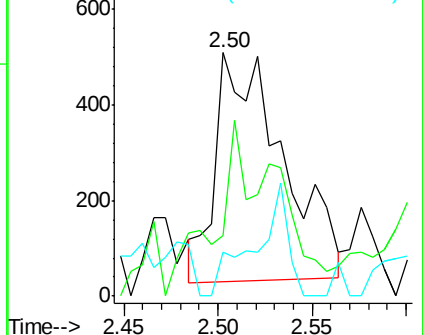
141 0.0 11.3 16.9#

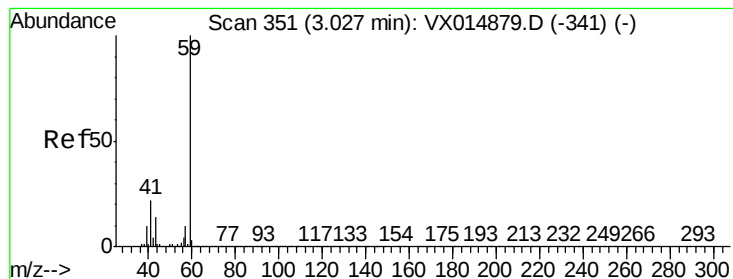


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



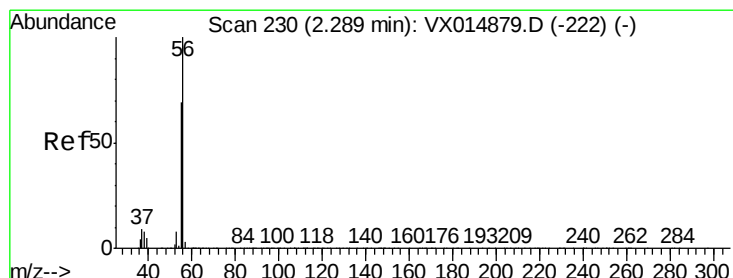
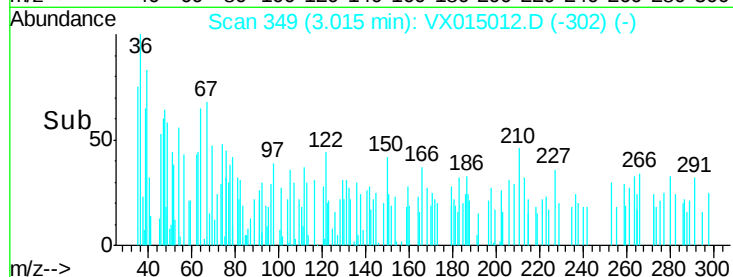
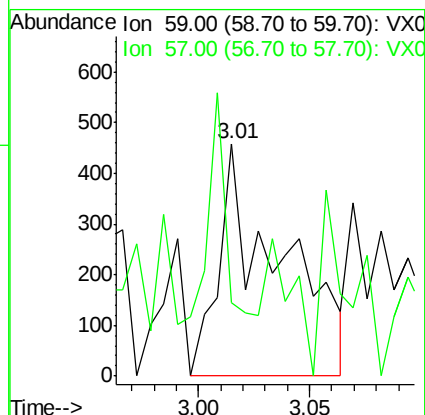
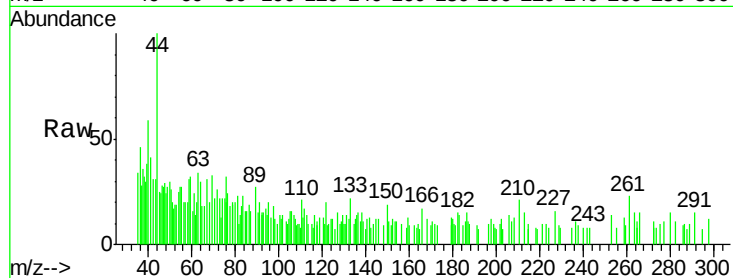


#11

Tert butyl alcohol
Concen: 1.02 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015012.D
Acq: 26 Feb 2020 11:58

Instrument :
MSVOA_X
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MH-117T-20200225

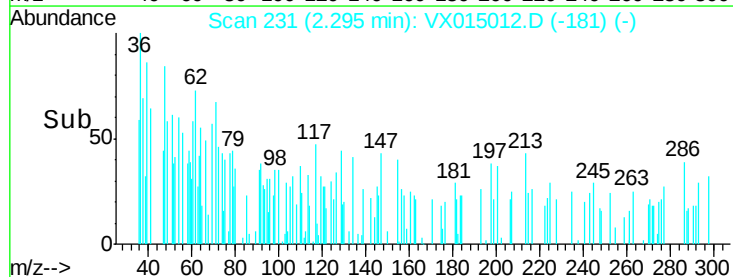
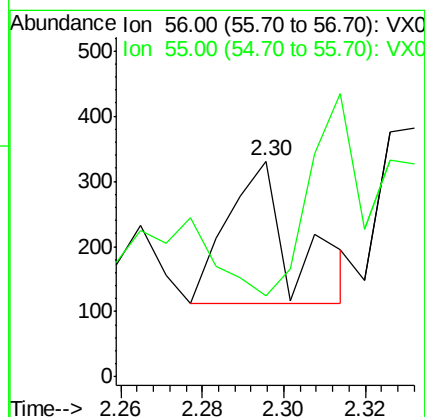
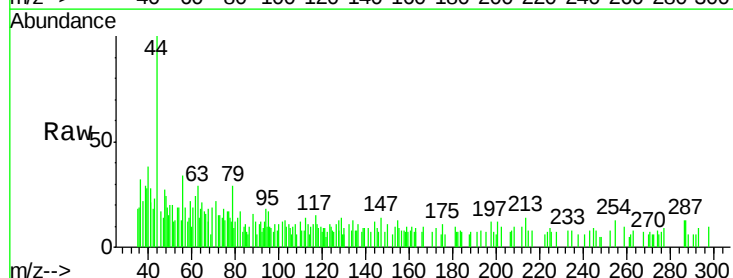
Tgt Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 27.5 8.2 12.4#

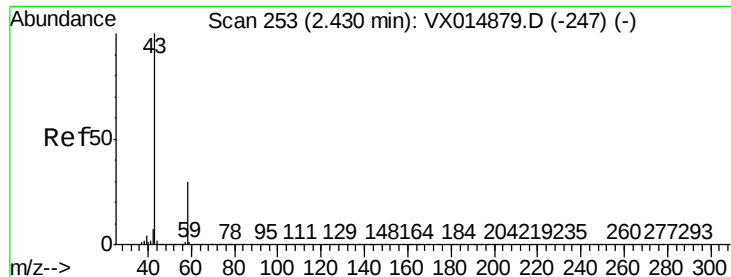


#13

Acrolein
Concen: 0.38 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX015012.D
Acq: 26 Feb 2020 11:58

Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 55.9 55.0 82.4





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

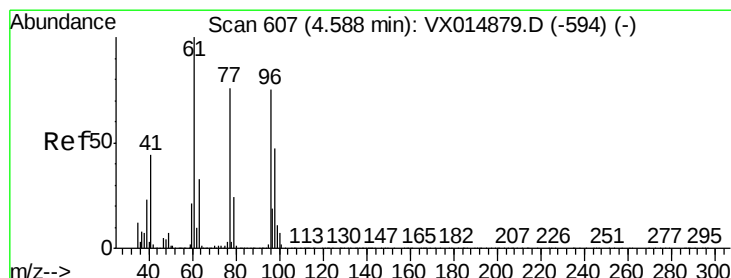
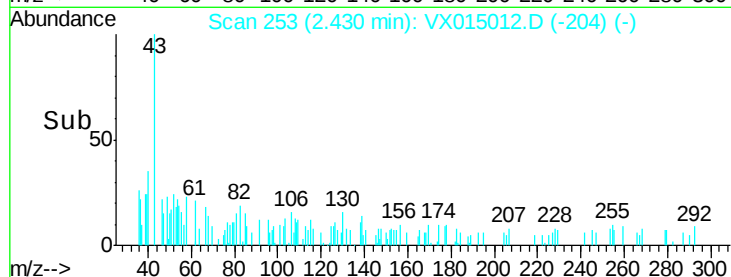
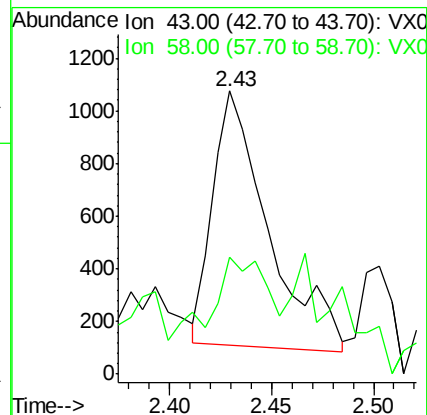
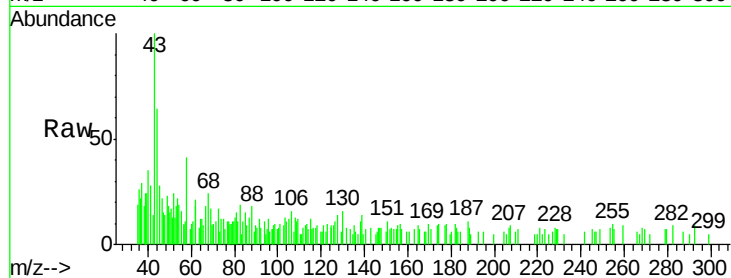
MH-117T-20200225

Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

43 100

58 21.8 24.1 36.1#



#27

cis-1,2-Dichloroethene

Concen: 23.46 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

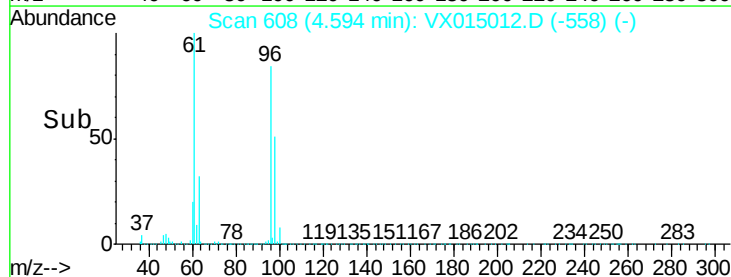
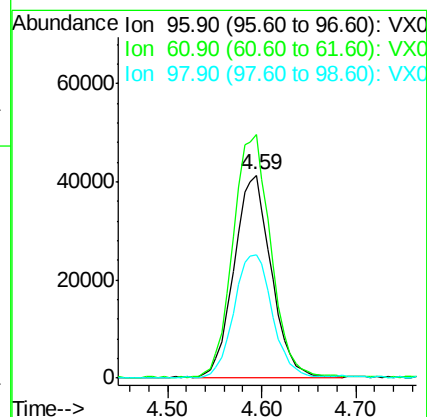
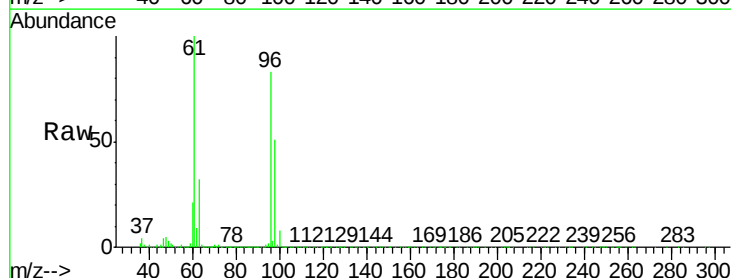
Tgt Ion: 96 Resp: 113248

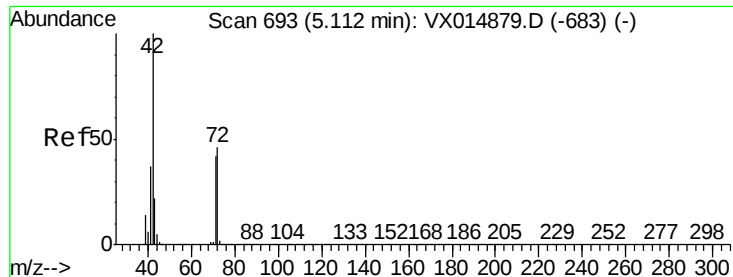
Ion Ratio Lower Upper

96 100

61 123.8 0.0 286.2

98 63.7 0.0 131.0





#29

Tetrahydrofuran

Concen: 2.72 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

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ClientSampleId :

MH-117T-20200225

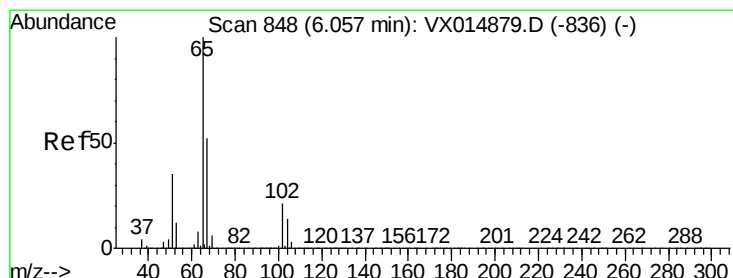
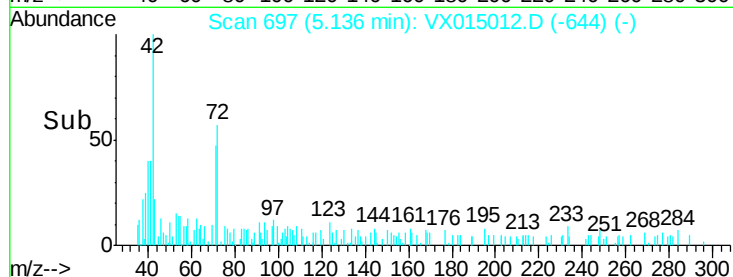
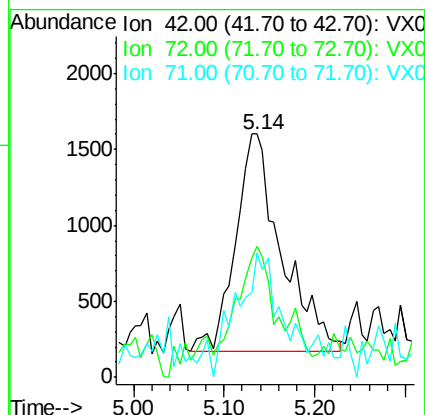
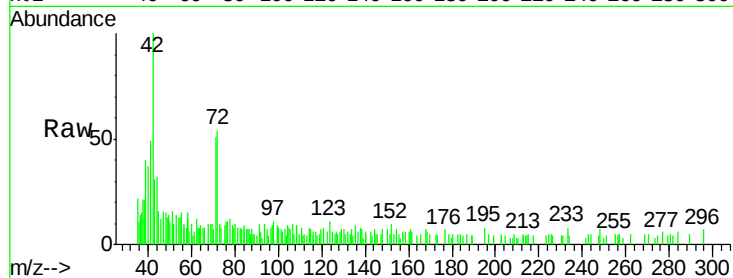
Tgt Ion: 42 Resp: 5066

Ion Ratio Lower Upper

42 100

72 34.4 36.9 55.3#

71 55.0 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 49.25 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX015012.D

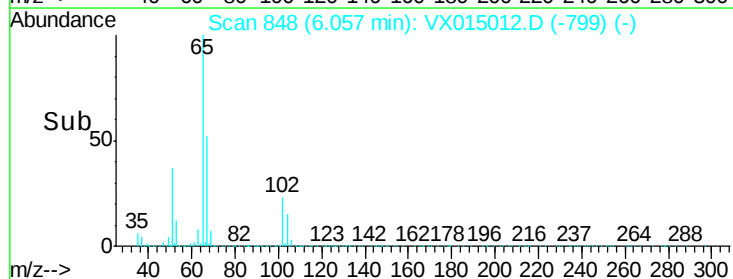
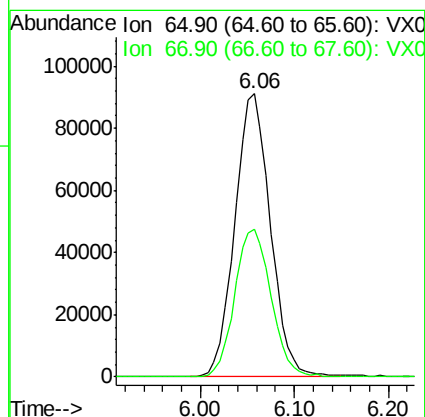
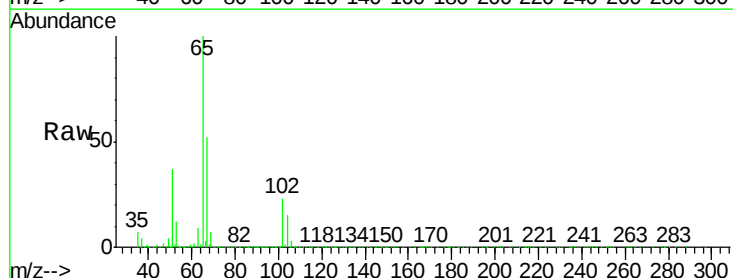
Acq: 26 Feb 2020 11:58

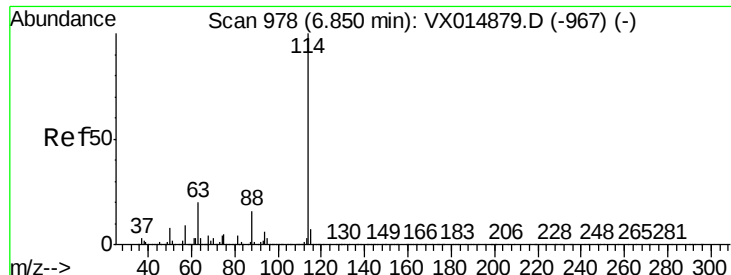
Tgt Ion: 65 Resp: 237360

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

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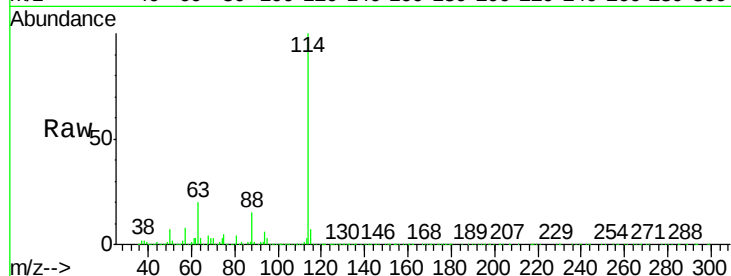
Tgt Ion:114 Resp: 672188

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

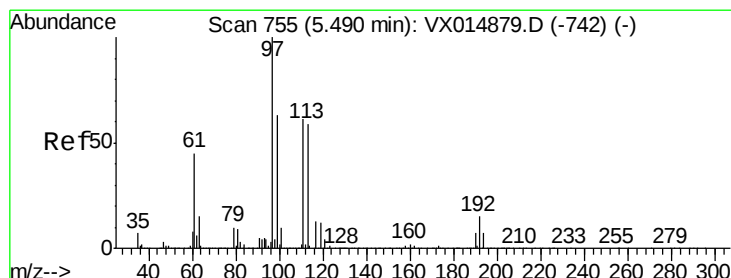
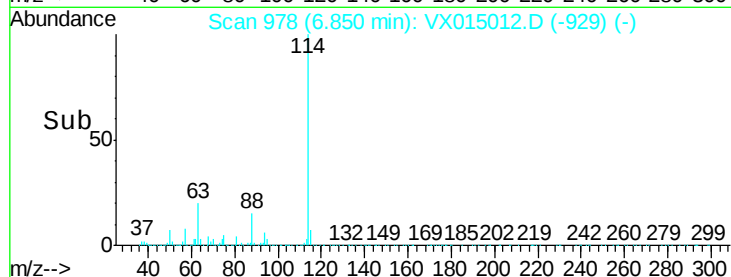
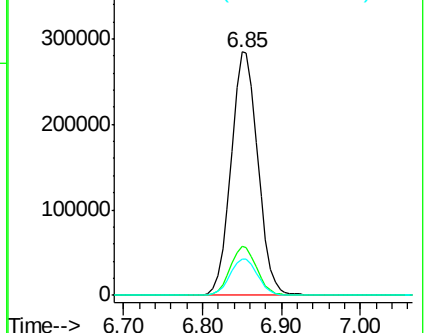
88 15.1 0.0 32.0



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: 49.06 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

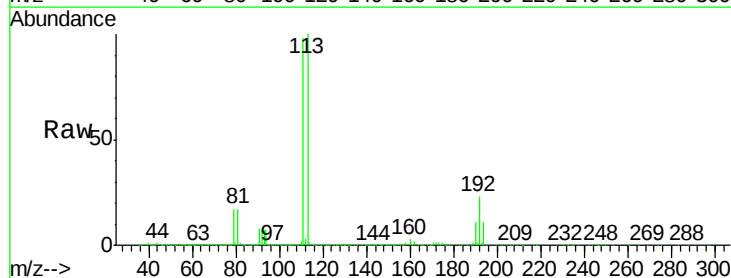
Tgt Ion:113 Resp: 202755

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

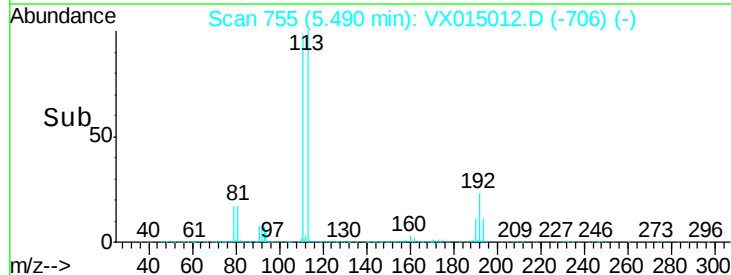
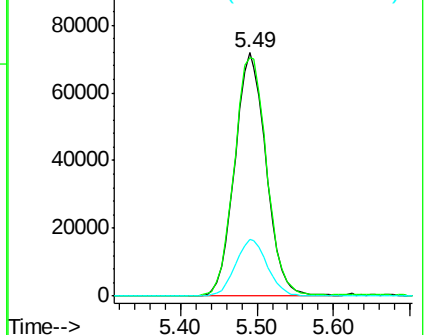
192 24.1 19.1 28.7

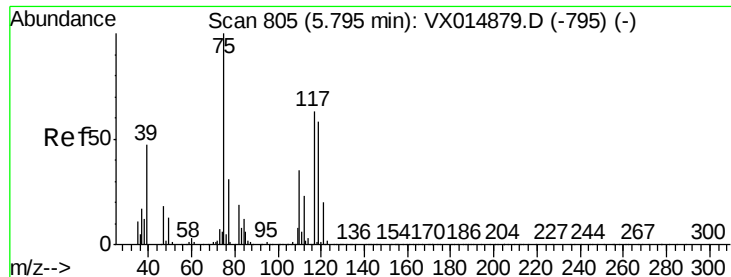


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

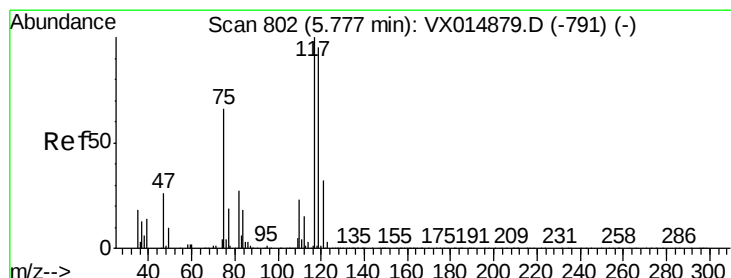
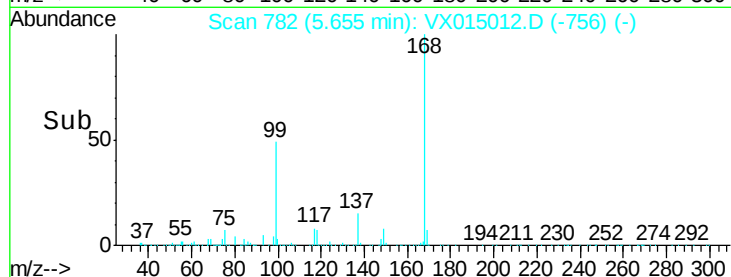
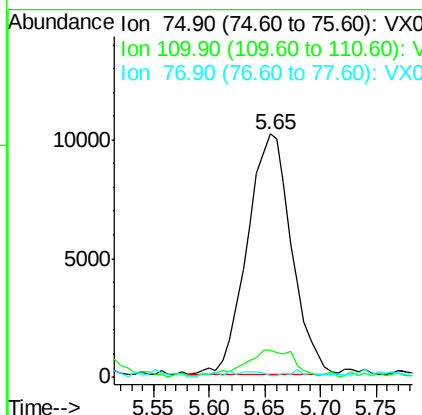
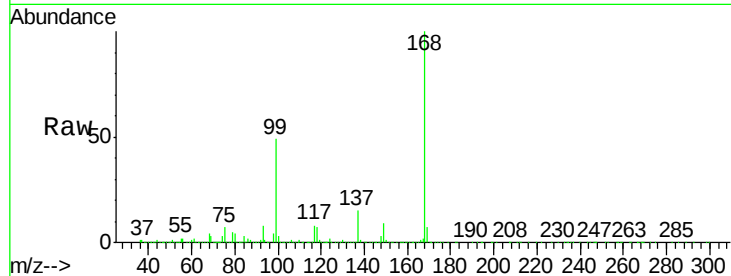




#36
 1,1-Dichloropropene
 Concen: 4.66 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015012.D
 Acq: 26 Feb 2020 11:58

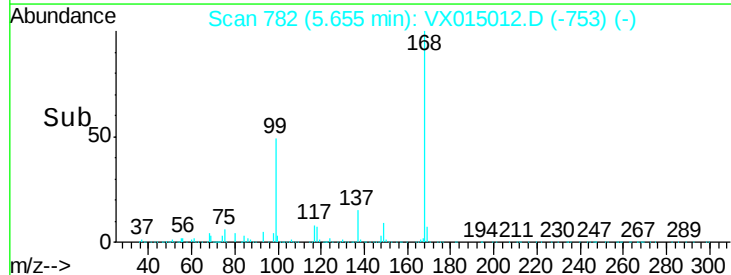
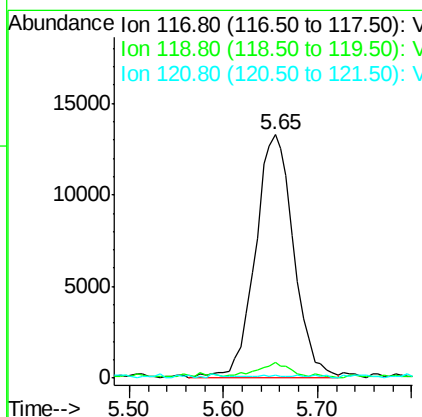
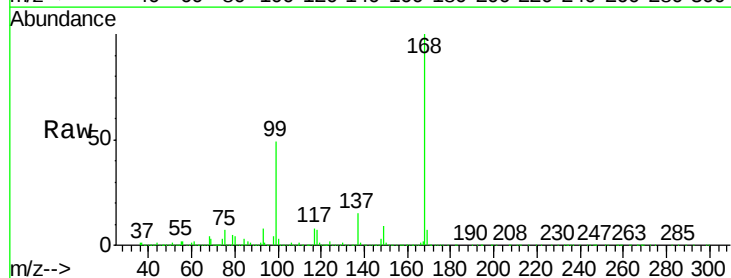
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20200225

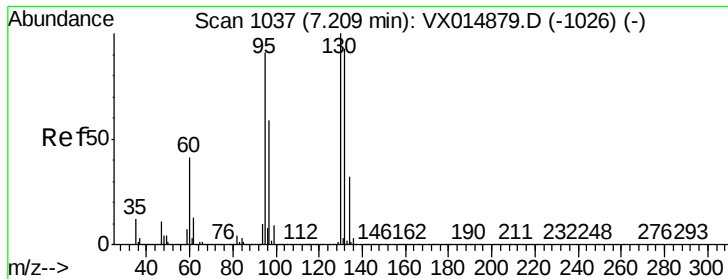
Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.5	18.3	54.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.46 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015012.D
 Acq: 26 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.0	114.0#
121	2.2	25.4	38.2#





#44

Trichloroethene

Concen: 7.30 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

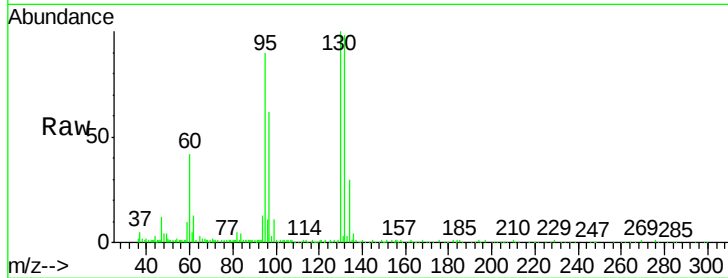
MH-117T-20200225

Tgt Ion:130 Resp: 38088

Ion Ratio Lower Upper

130 100

95 89.7 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

20000

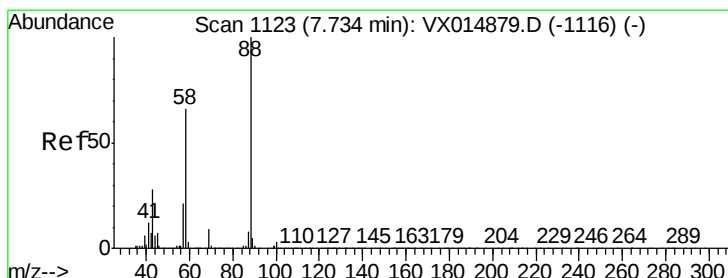
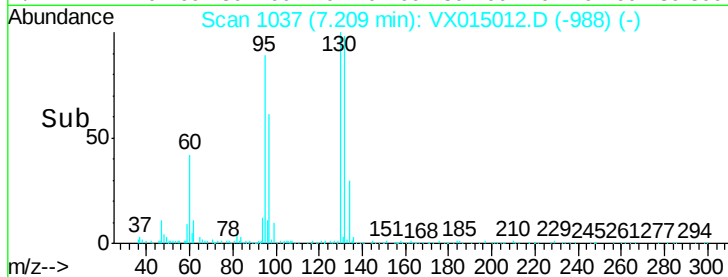
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.86 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

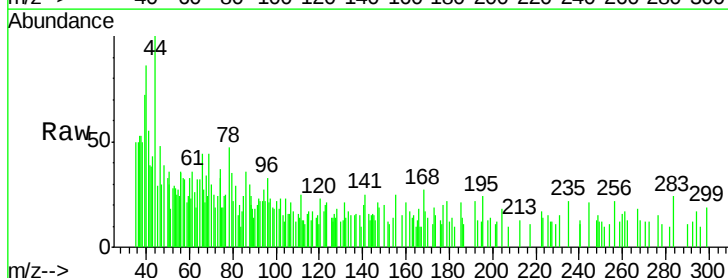
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 80.5 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

400

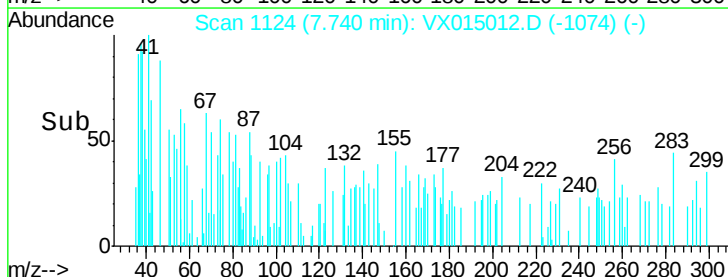
300

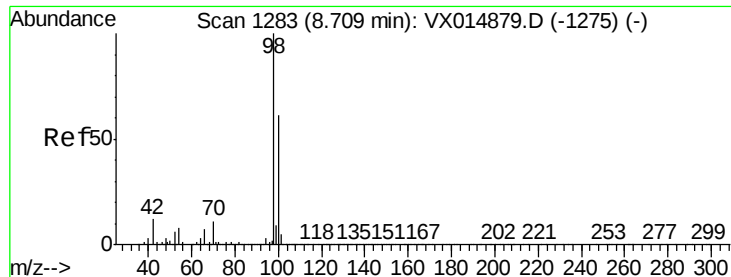
200

100

0

Time--> 7.73 7.74 7.75





#50

Toluene-d8

Concen: 51.07 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

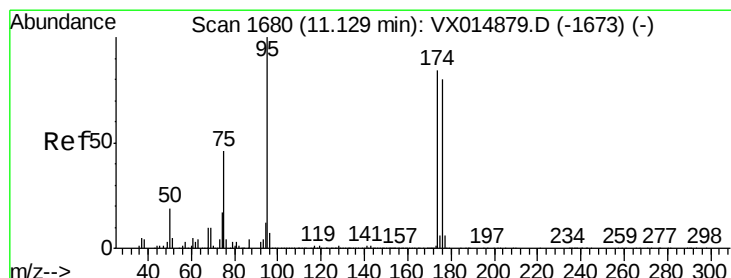
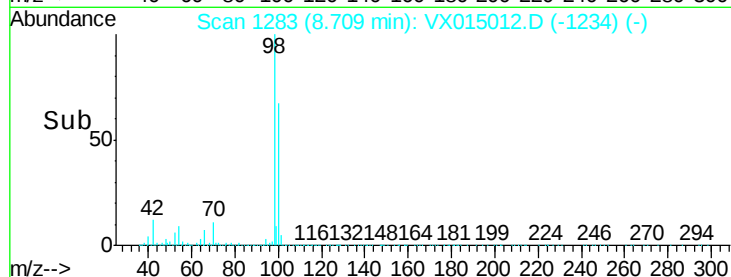
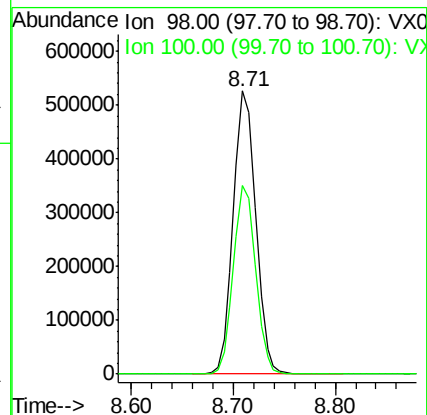
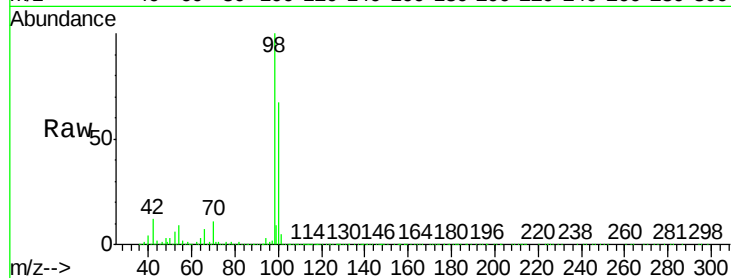
MH-117T-20200225

Tgt Ion: 98 Resp: 805605

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.41 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

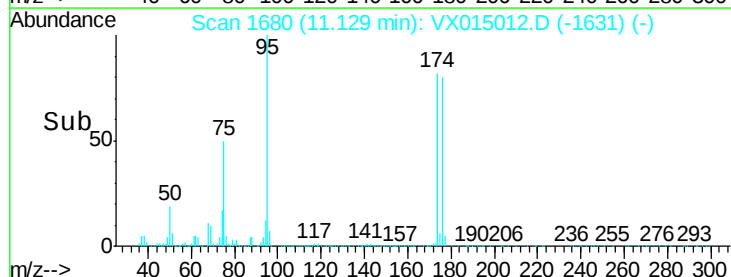
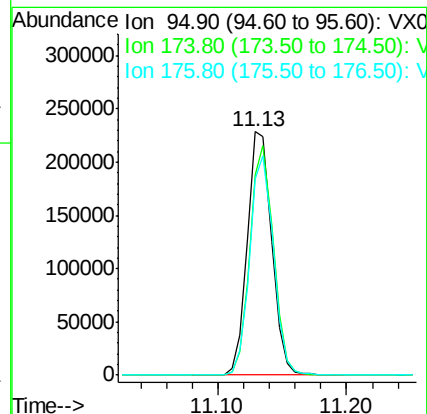
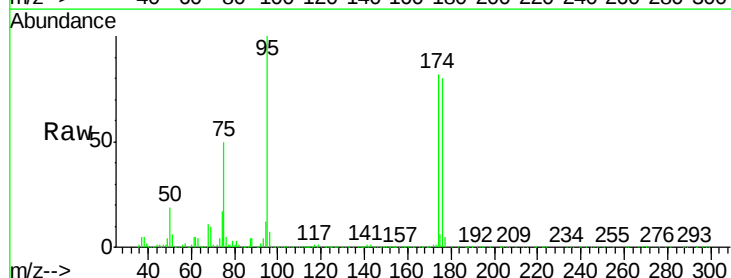
Tgt Ion: 95 Resp: 297780

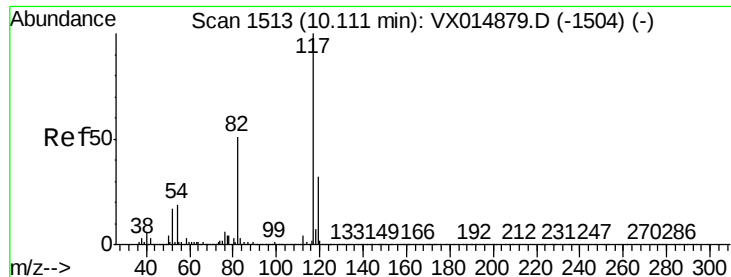
Ion Ratio Lower Upper

95 100

174 90.4 0.0 183.0

176 87.4 0.0 178.0

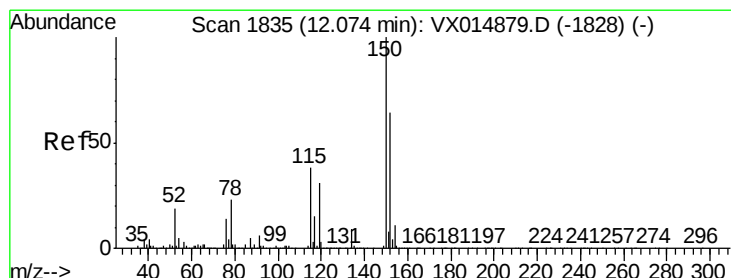
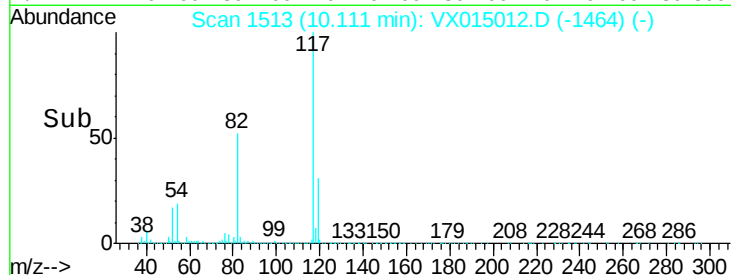
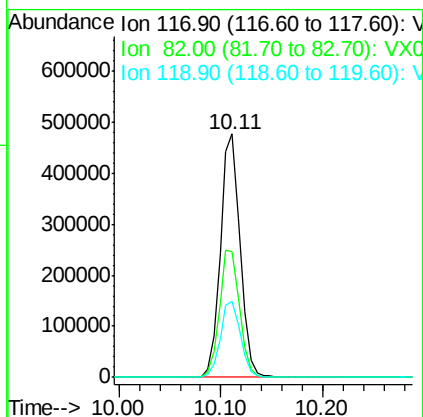
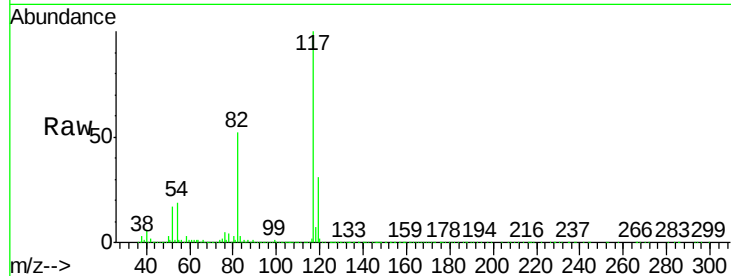




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015012.D
Acq: 26 Feb 2020 11:58

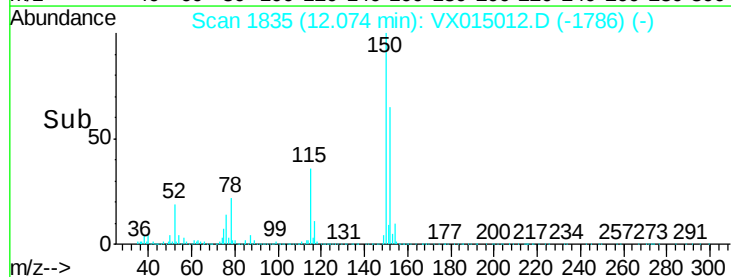
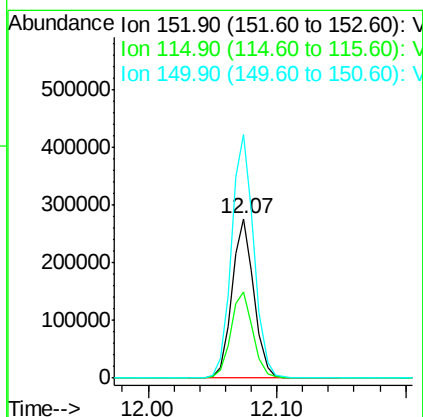
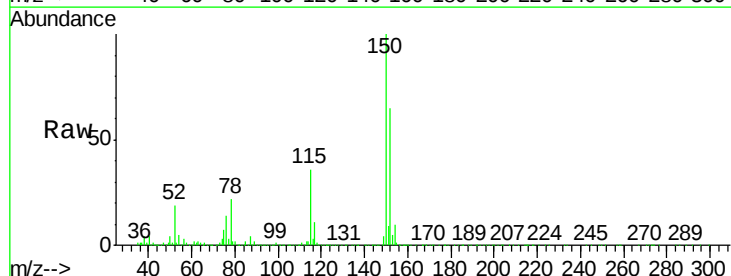
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200225

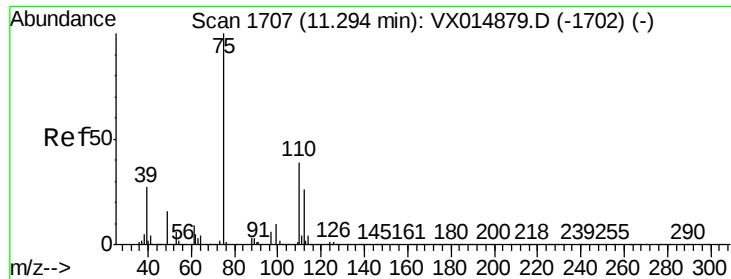
Tgt Ion:117 Resp: 643174
Ion Ratio Lower Upper
117 100
82 51.7 40.5 60.7
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015012.D
Acq: 26 Feb 2020 11:58

Tgt Ion:152 Resp: 326838
Ion Ratio Lower Upper
152 100
115 55.3 38.6 116.0
150 156.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.80 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

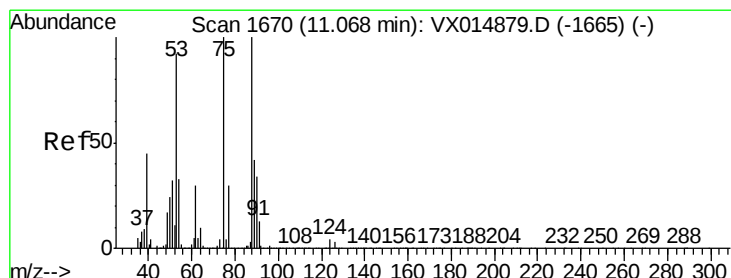
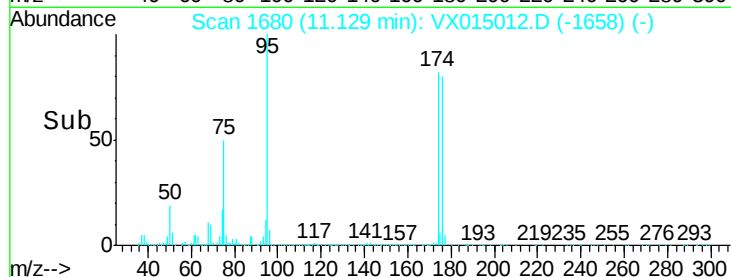
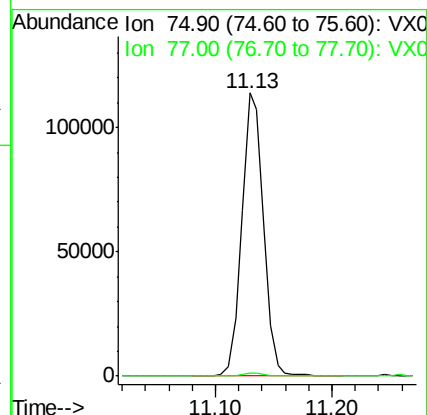
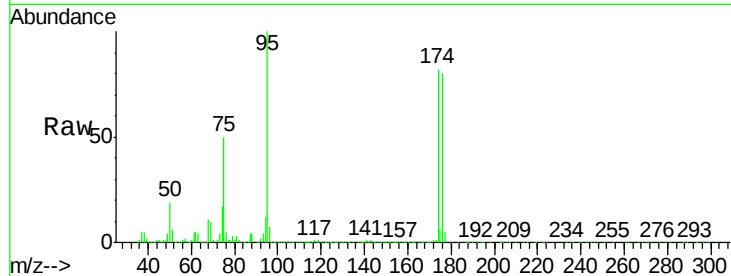
MH-117T-20200225

Tgt Ion: 75 Resp: 146560

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.47 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015012.D

Acq: 26 Feb 2020 11:58

Tgt Ion: 75 Resp: 146560

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.0 35.8 53.6#

