

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018146.D
 Acq On : 31 Aug 2020 14:45
 Operator : JC/SP
 Sample : L3831-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20200827

Quant Time: Sep 01 05:31:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	547515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	891316	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	831767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	391856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	377907	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	5.46	113	301101	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.70	98	1090308	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.12	95	404868	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	

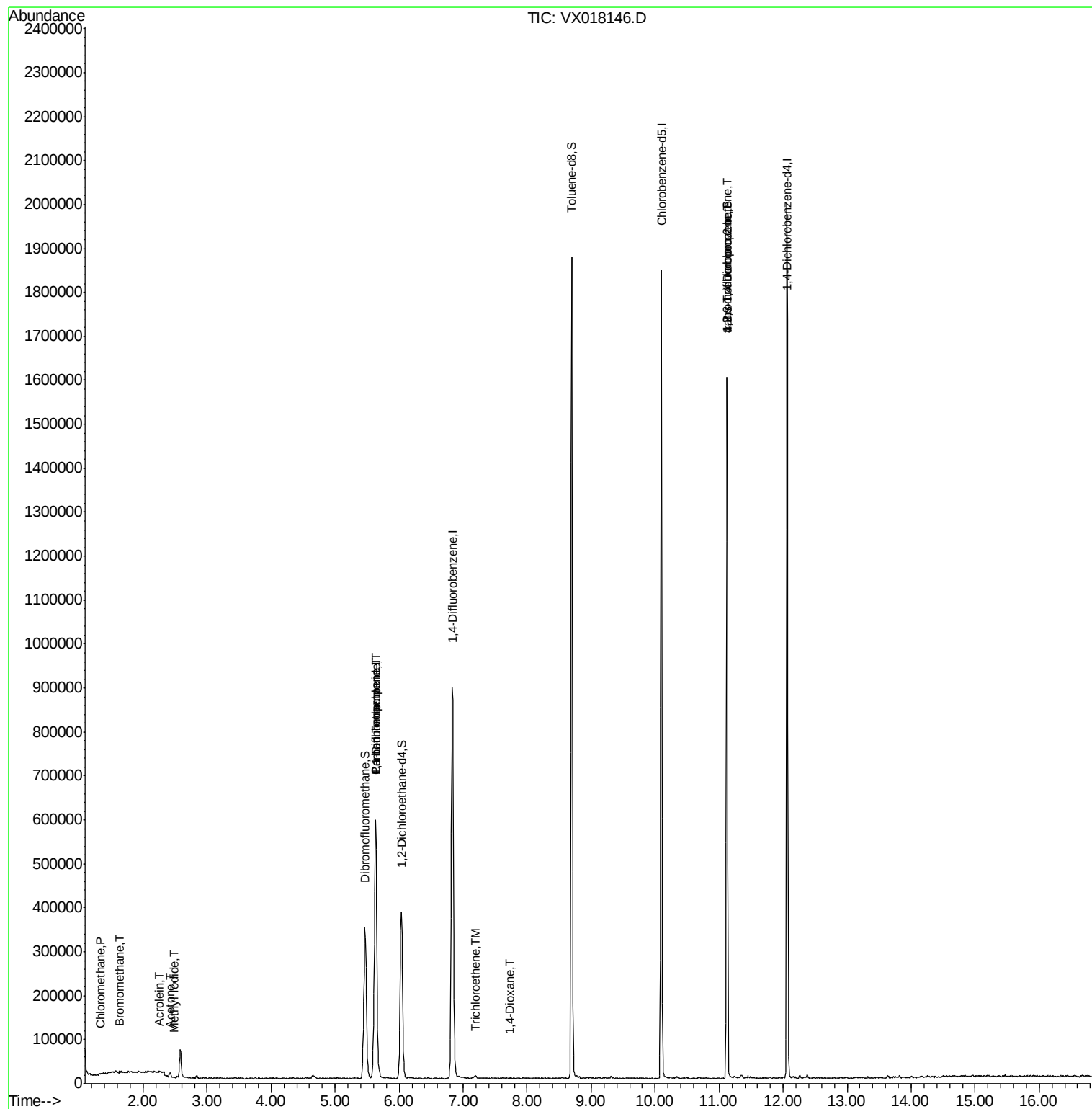
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1982	0.282	ug/l #	86
5) Bromomethane	1.64	94	746	0.221	ug/l #	13
10) Methyl Iodide	2.49	142	861	5.426	ug/l #	91
13) Acrolein	2.25	56	258	0.421	ug/l #	46
16) Acetone	2.42	43	10552	3.563	ug/l #	86
20) Methylene Chloride	2.83	84	2548	Below Cal	#	74
36) 1,1-Dichloropropene	5.63	75	42924	5.221	ug/l #	52
38) Carbon Tetrachloride	5.63	117	57184	6.172	ug/l #	18
44) Trichloroethene	7.18	130	2274	0.333	ug/l	73
49) 1,4-Dioxane	7.71	88	173	1.244	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	201003	23.059	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	201003	62.278	ug/l #	12

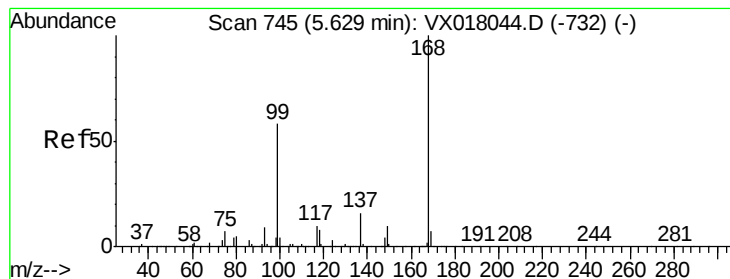
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

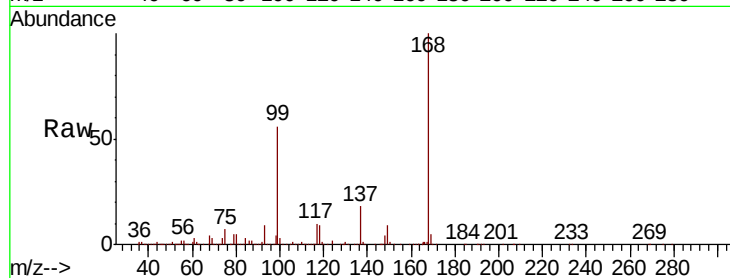
MH-117T-20200827

Tot Ion:168 Resp: 547515

Ion Ratio Lower Upper

168 100

99 56.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

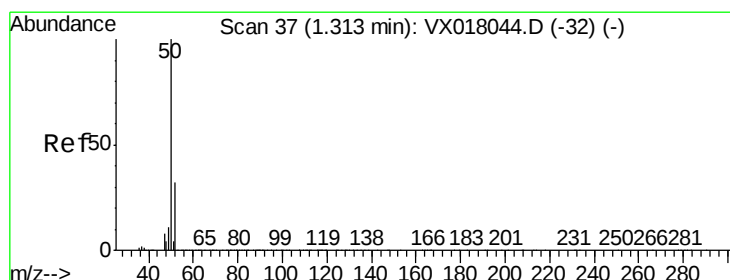
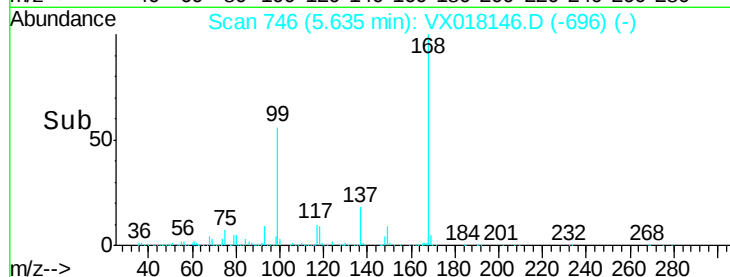
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.282 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018146.D

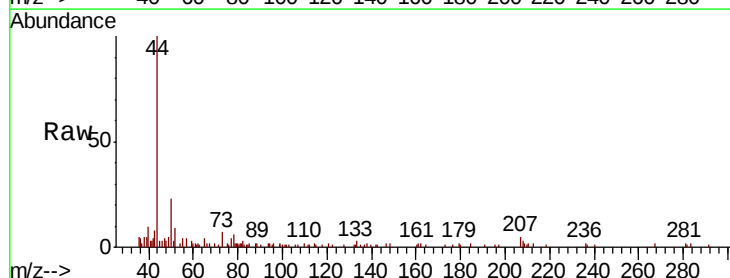
Acq: 31 Aug 2020 14:45

Tgt Ion: 50 Resp: 1982

Ion Ratio Lower Upper

50 100

52 39.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

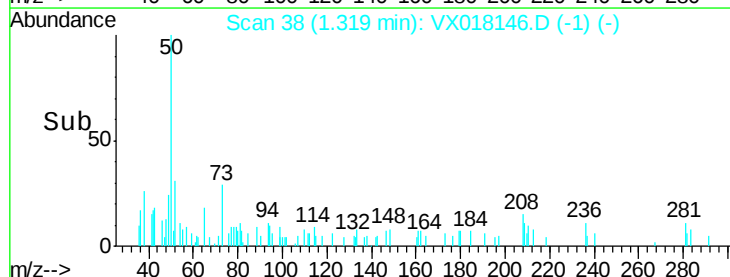
1500

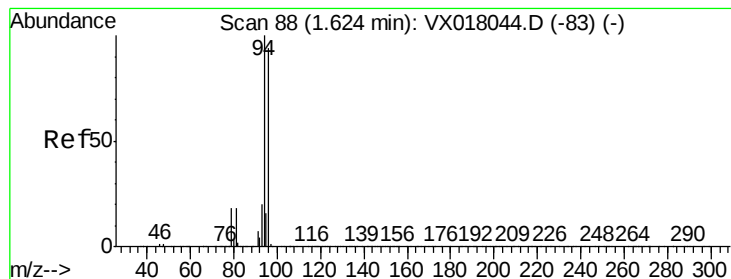
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

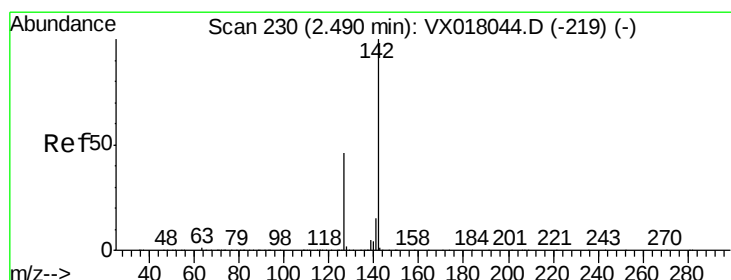
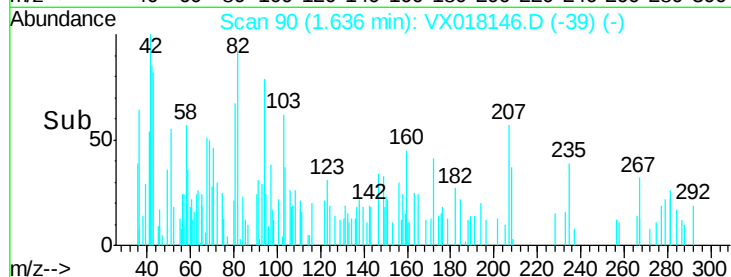
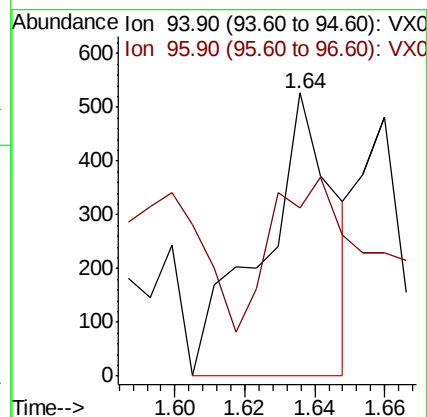
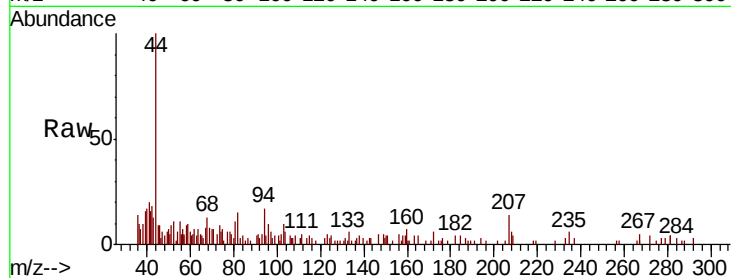
MH-117T-20200827

Tot Ion: 94 Resp: 746

Ion Ratio Lower Upper

94 100

96 9.3 74.8 112.2#



#10

Methyl Iodide

Concen: 5.426 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

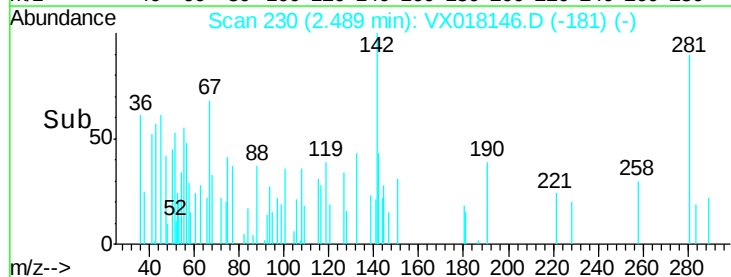
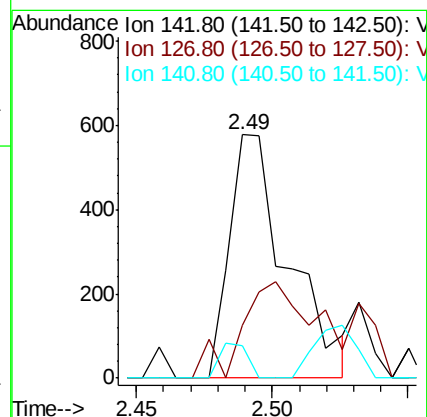
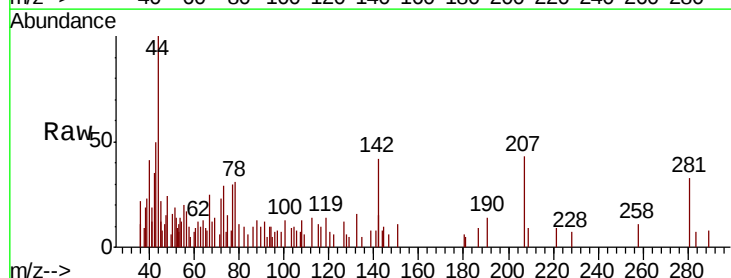
Tgt Ion: 142 Resp: 861

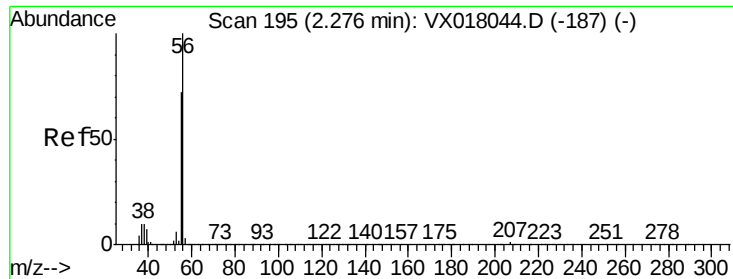
Ion Ratio Lower Upper

142 100

127 50.1 37.0 55.6

141 6.9 11.5 17.3#

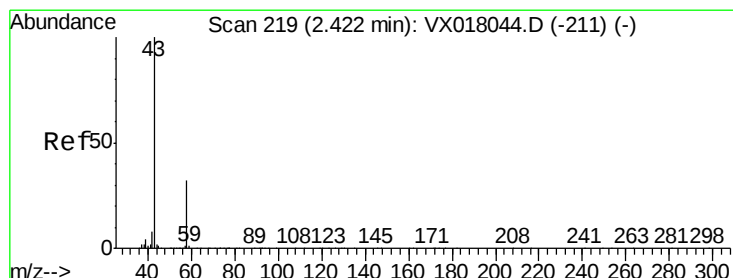
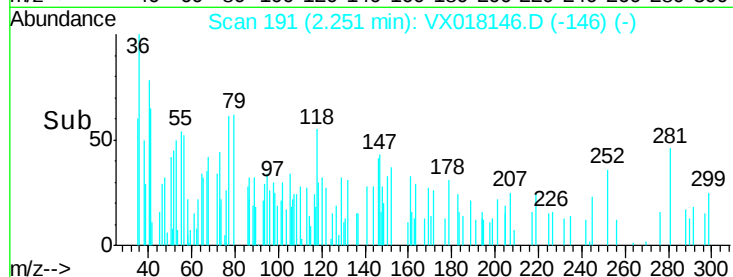
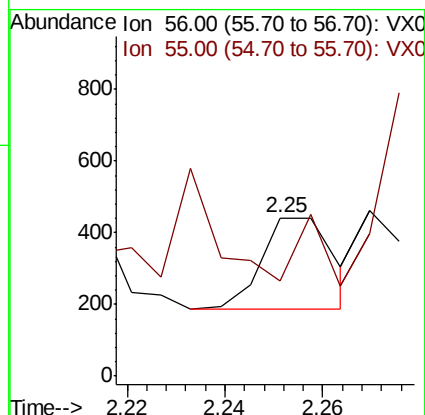
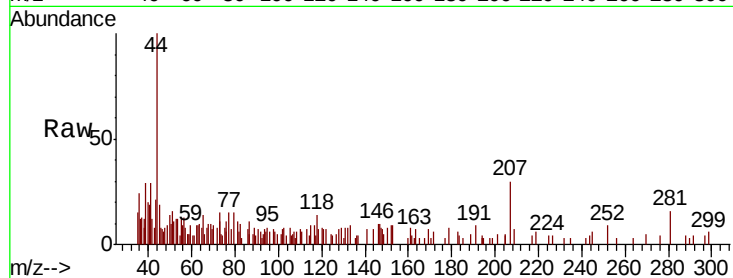




#13
Acrolein
Concen: 0.421 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX018146.D
Acq: 31 Aug 2020 14:45

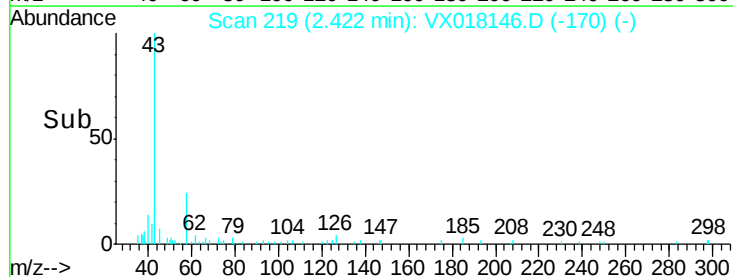
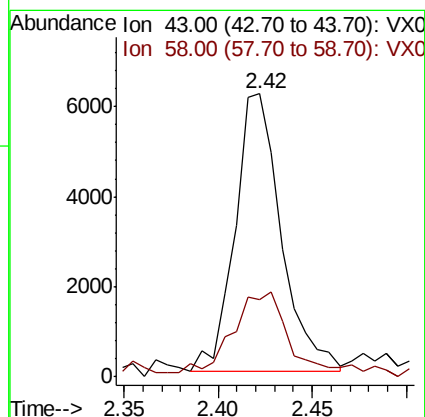
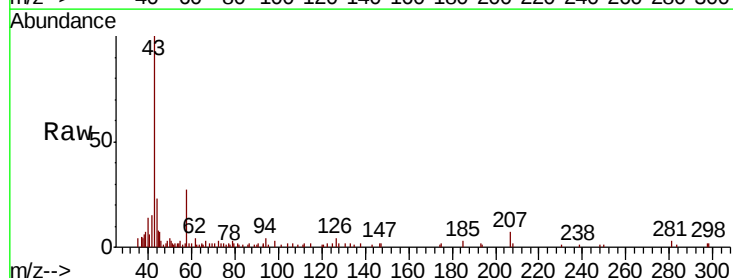
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200827

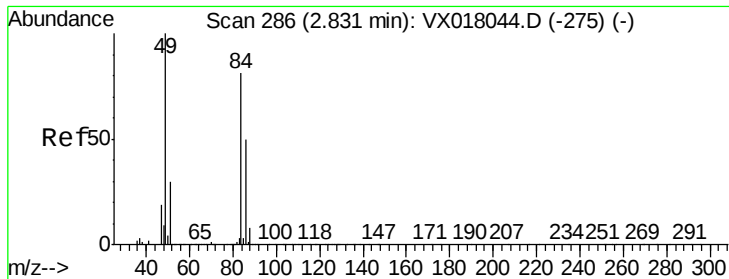
Tot Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 115.9 57.0 85.6#



#16
Acetone
Concen: 3.563 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018146.D
Acq: 31 Aug 2020 14:45

Tgt Ion: 43 Resp: 10552
Ion Ratio Lower Upper
43 100
58 24.2 25.5 38.3#

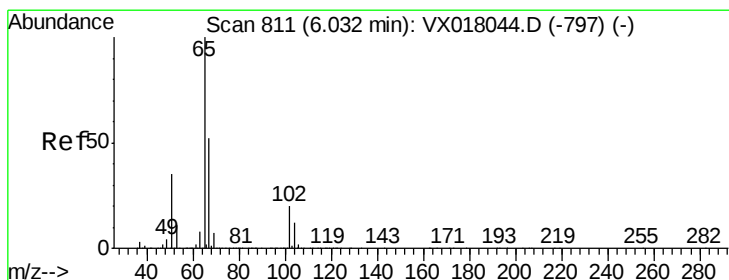
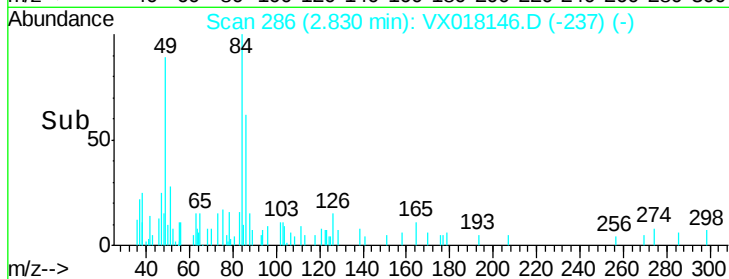
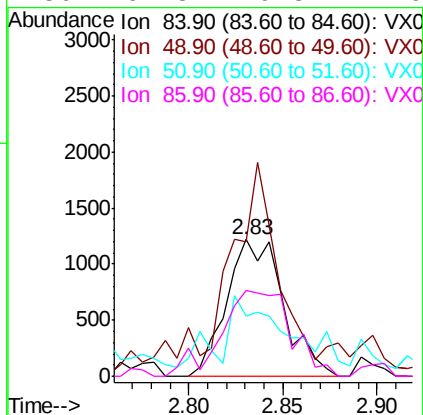
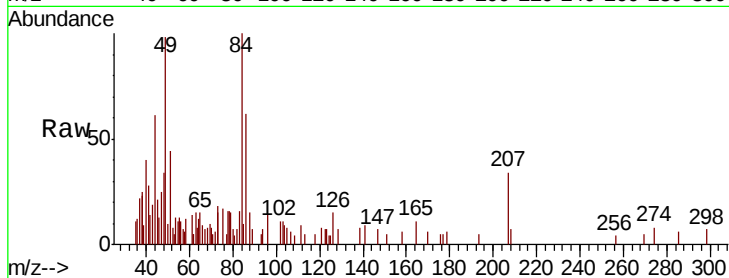




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018146.D
Acq: 31 Aug 2020 14:45

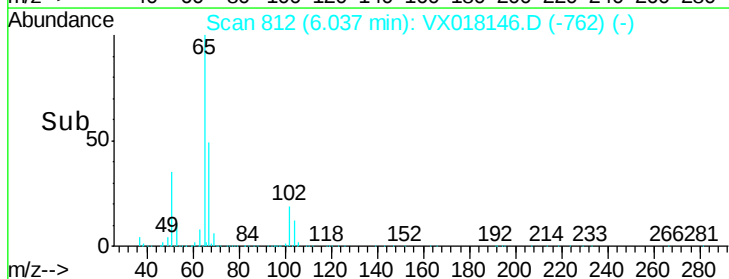
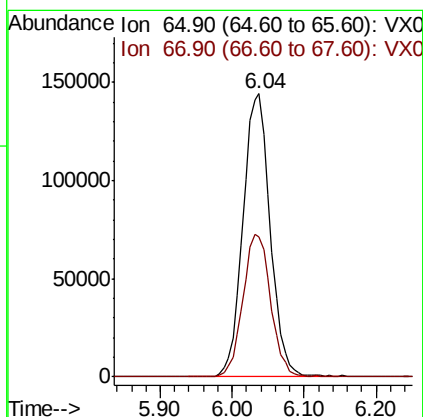
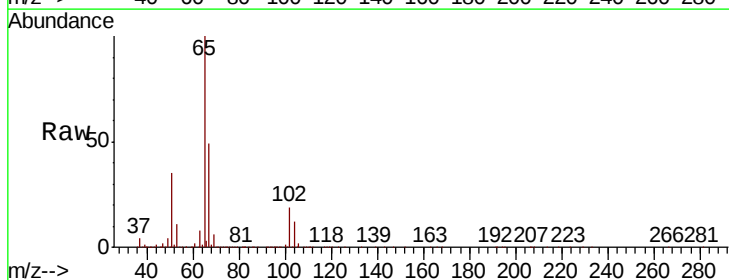
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200827

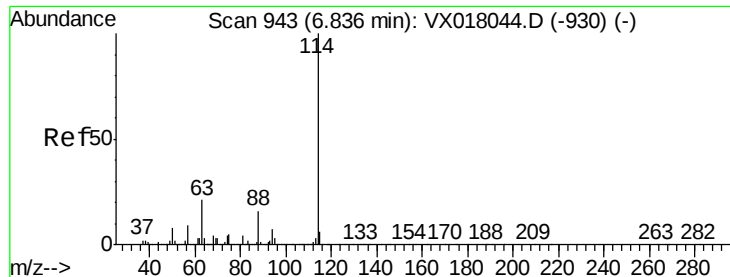
Tot Ion: 84 Resp: 2548
Ion Ratio Lower Upper
84 100
49 74.0 98.6 148.0#
51 30.6 29.6 44.4
86 62.3 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: 49.719 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018146.D
Acq: 31 Aug 2020 14:45

Tgt Ion: 65 Resp: 377907
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200827

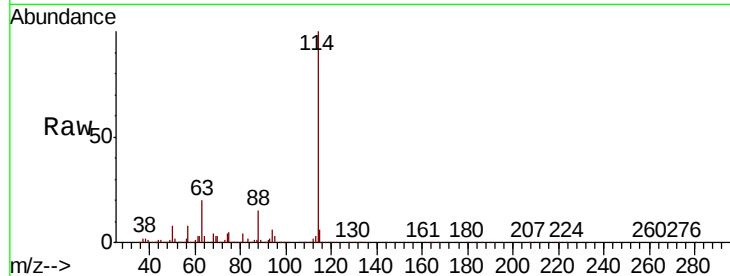
Tot Ion:114 Resp: 891316

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

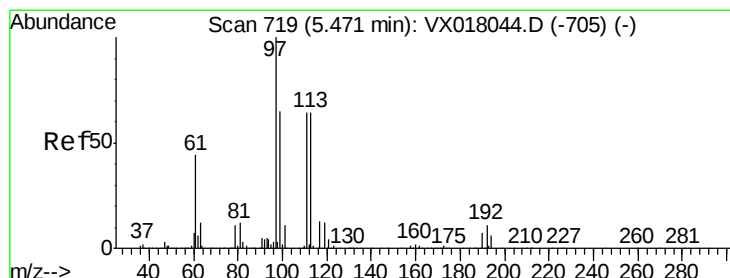
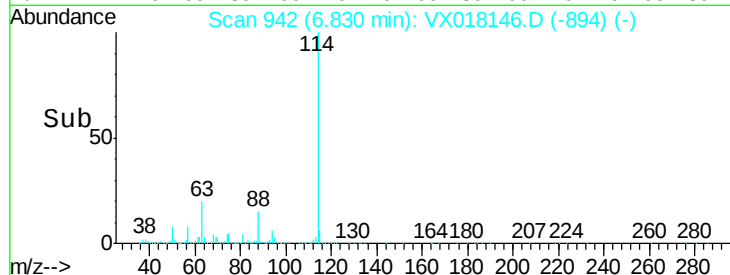
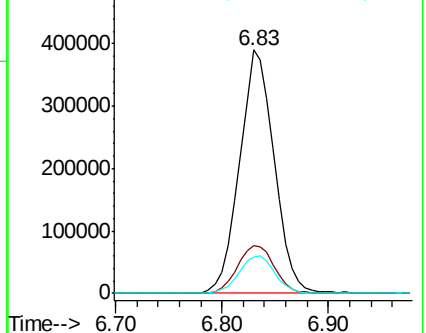
88 15.1 0.0 31.8



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: 49.602 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

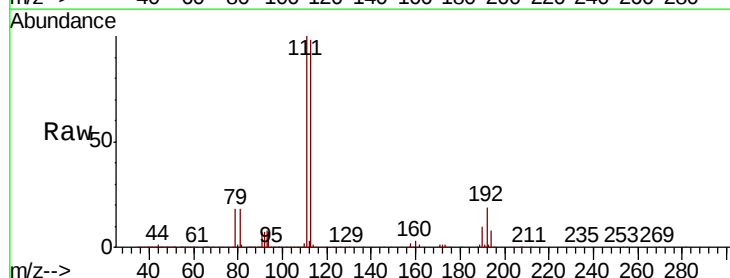
Tgt Ion:113 Resp: 301101

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

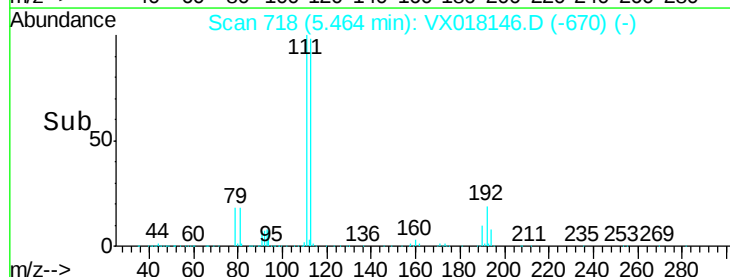
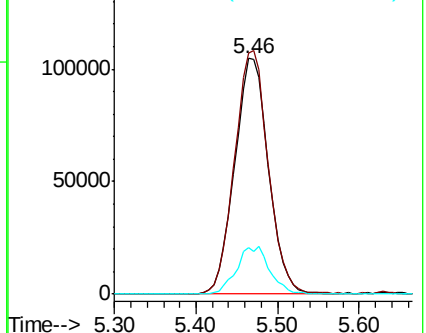
192 19.9 15.8 23.8

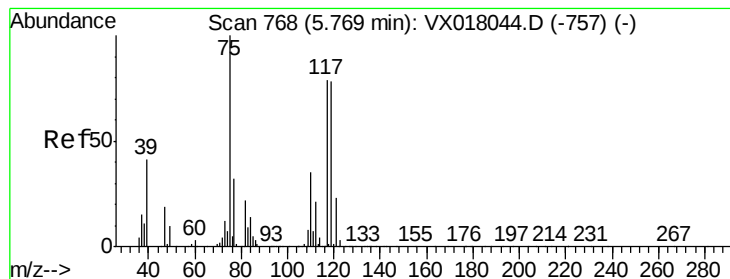


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.221 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200827

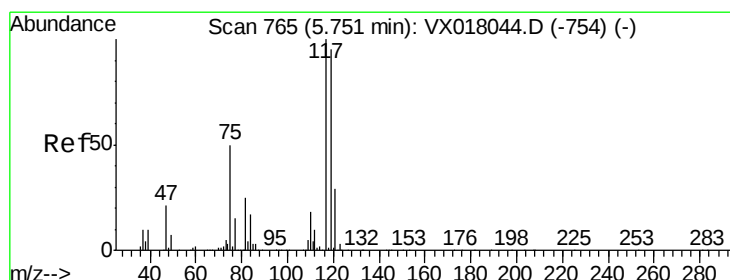
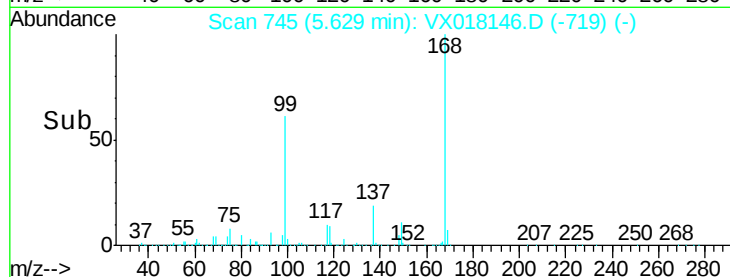
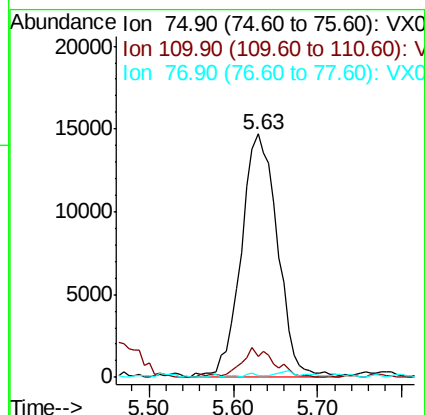
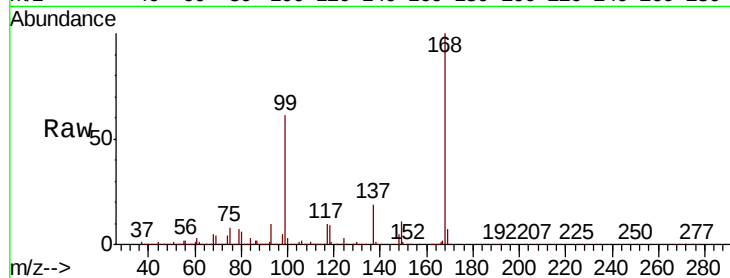
Tot Ion: 75 Resp: 42924

Ion Ratio Lower Upper

75 100

110 11.2 18.0 54.0#

77 0.6 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.172 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

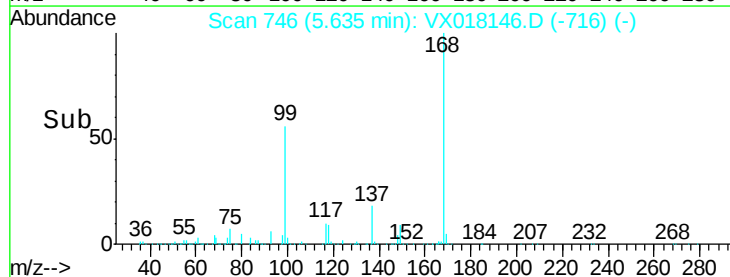
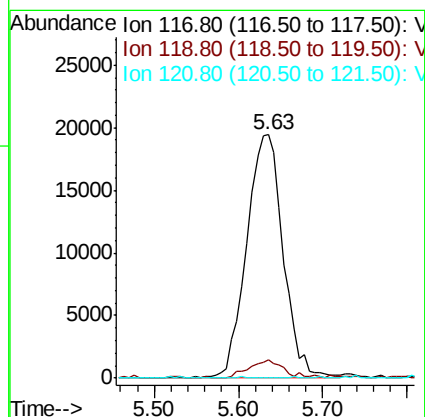
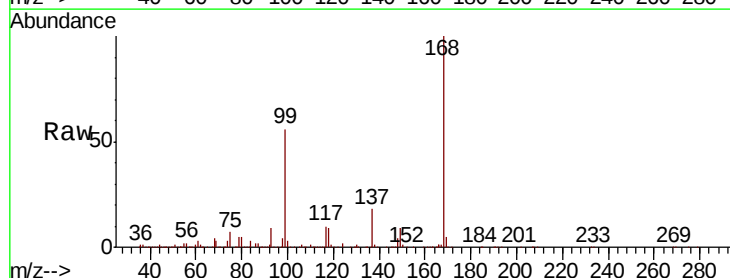
Tgt Ion:117 Resp: 57184

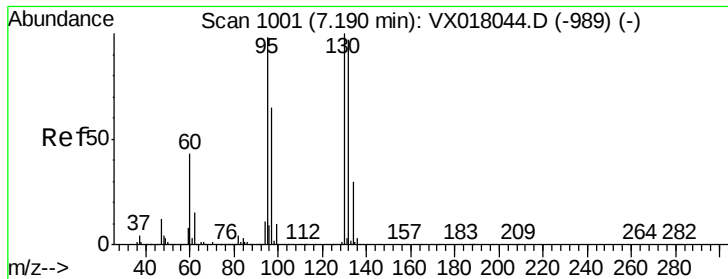
Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.6#

121 0.0 23.4 35.0#





#44

Trichloroethene

Concen: 0.333 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

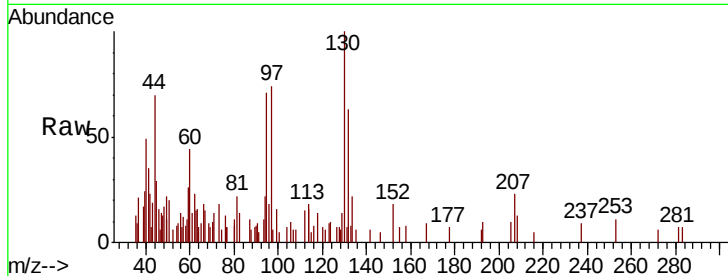
MH-117T-20200827

Tot Ion:130 Resp: 2274

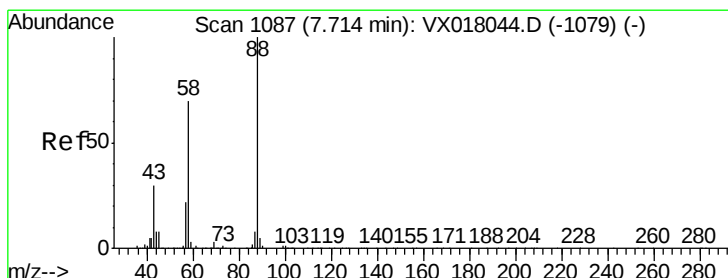
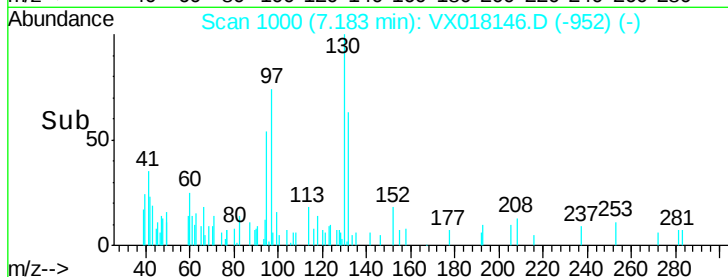
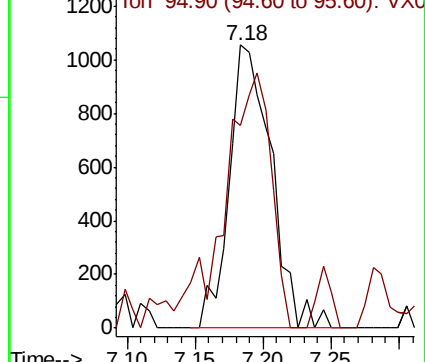
Ion Ratio Lower Upper

130 100

95 71.5 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 1.244 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

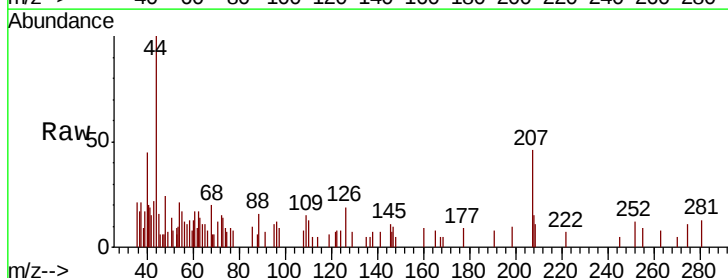
Tgt Ion: 88 Resp: 173

Ion Ratio Lower Upper

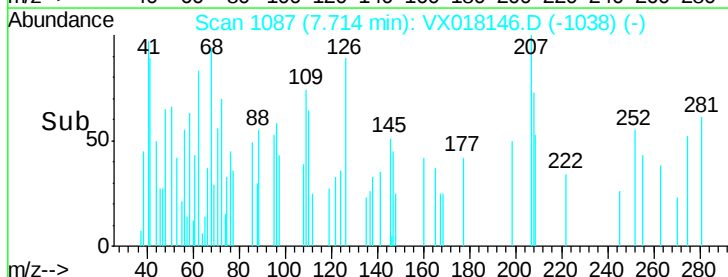
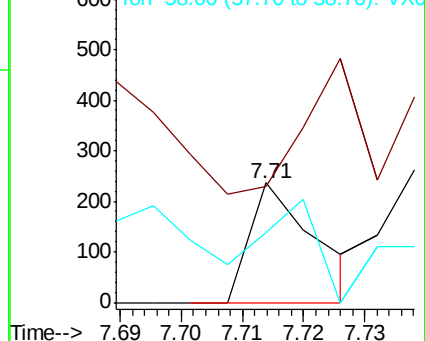
88 100

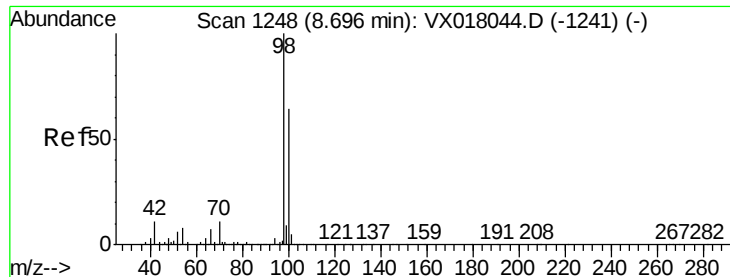
43 114.5 27.4 41.0#

58 72.3 56.4 84.6



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 48.224 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

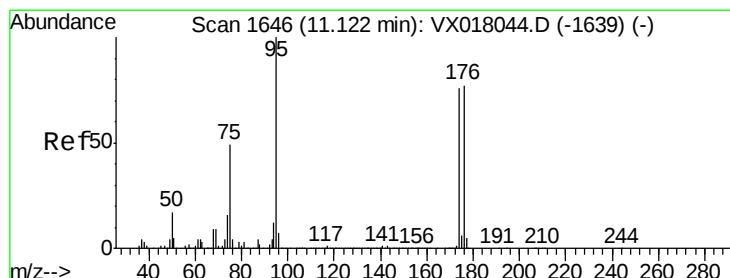
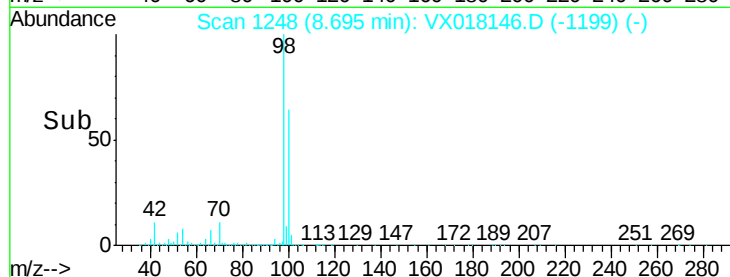
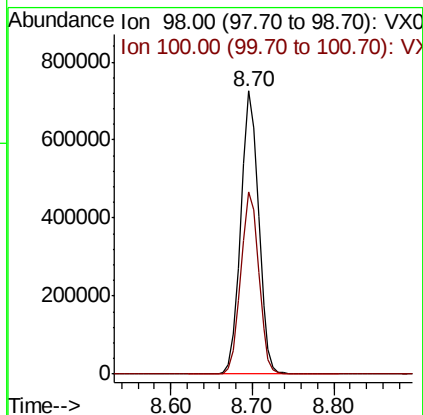
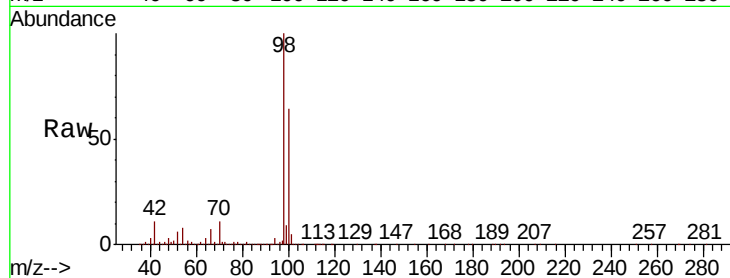
MH-117T-20200827

Tot Ion: 98 Resp: 1090308

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.515 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

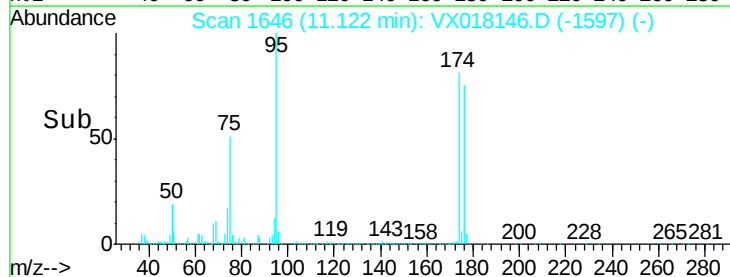
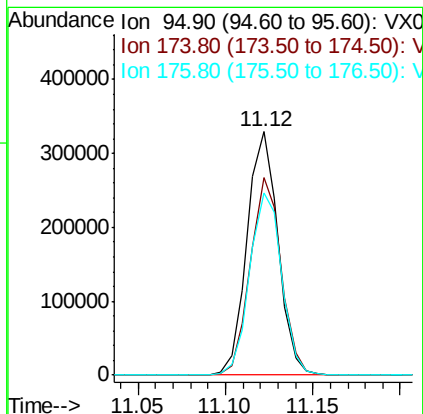
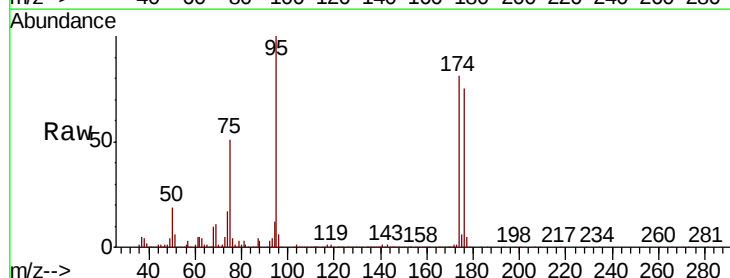
Tgt Ion: 95 Resp: 404868

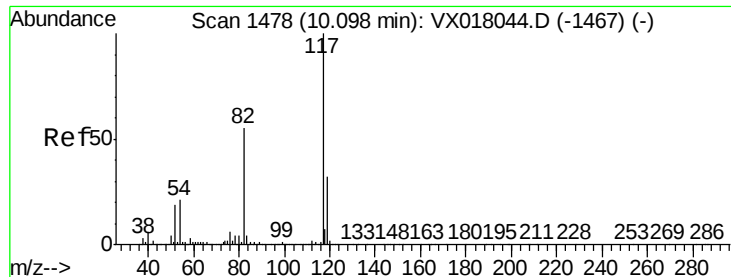
Ion Ratio Lower Upper

95 100

174 81.3 0.0 160.2

176 77.3 0.0 155.8

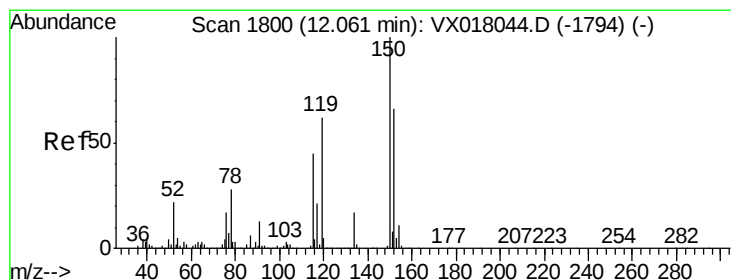
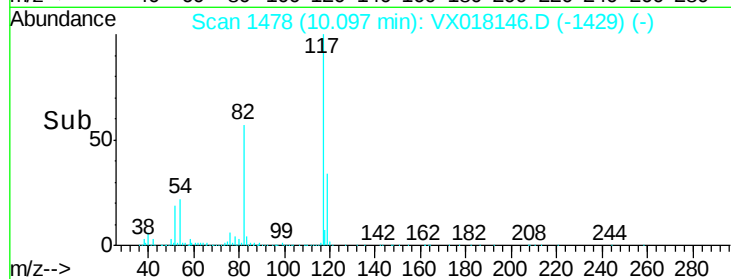
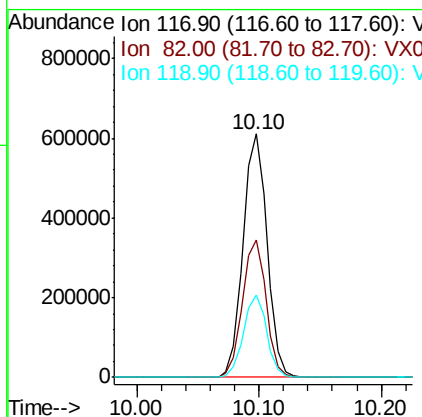
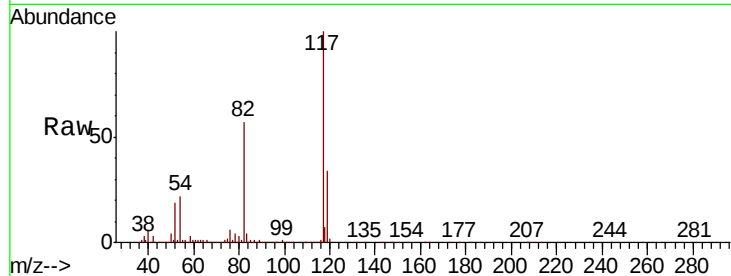




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018146.D
Acq: 31 Aug 2020 14:45

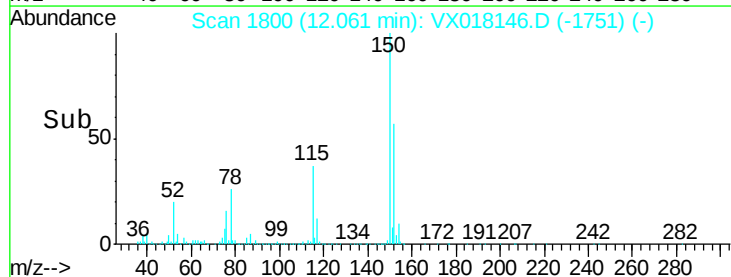
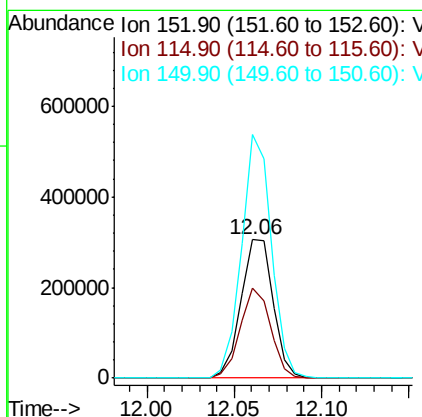
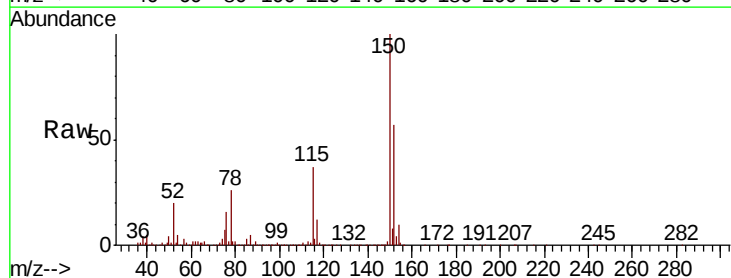
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200827

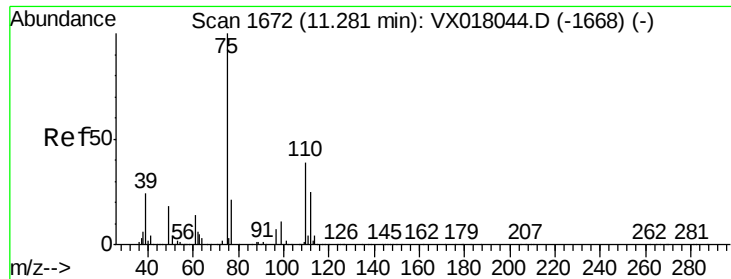
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.2	66.2
119	33.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018146.D
Acq: 31 Aug 2020 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	41.5	124.5
150	163.5	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.059 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

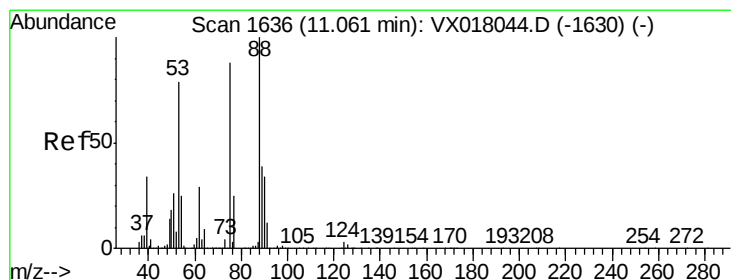
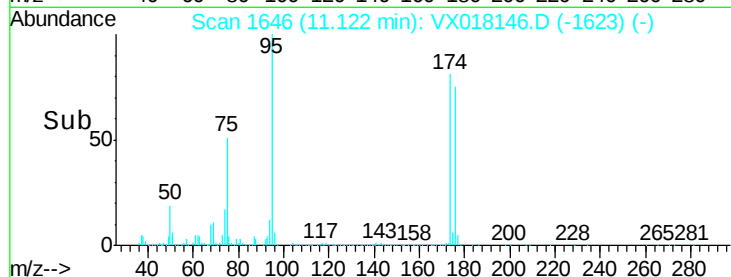
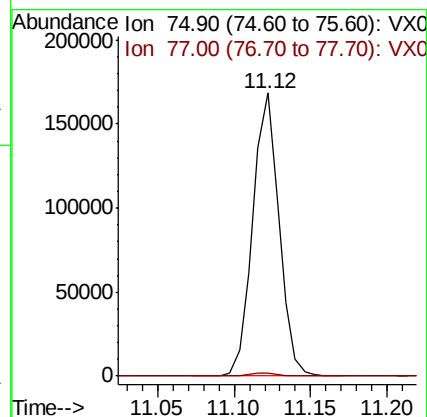
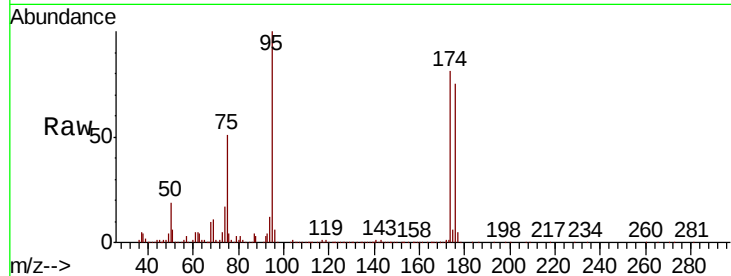
MH-117T-20200827

Tot Ion: 75 Resp: 201003

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.278 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018146.D

Acq: 31 Aug 2020 14:45

Tgt Ion: 75 Resp: 201003

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#

