

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018145.D
 Acq On : 31 Aug 2020 14:22
 Operator : JC/SP
 Sample : L3831-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200827

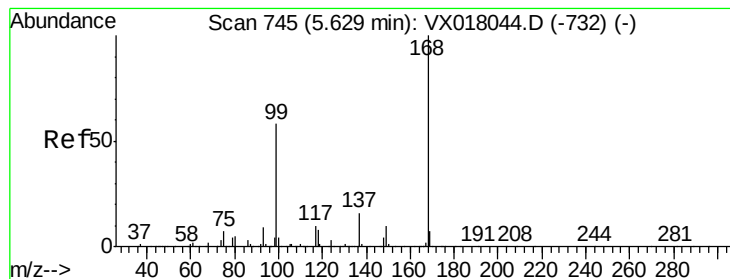
Quant Time: Sep 01 05:30:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	563626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	927381	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	852403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	418621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	390836	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	5.46	113	307633	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	8.70	98	1123201	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.12	95	414798	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1075	0.309	ug/l	96
10) Methyl Iodide	2.51	142	1069	5.455	ug/l #	78
11) Tert butyl alcohol	3.03	59	585	0.385	ug/l #	1
13) Acrolein	2.27	56	800	1.268	ug/l #	41
16) Acetone	2.42	43	3768	1.236	ug/l #	82
20) Methylene Chloride	2.85	84	1376	Below Cal	#	38
36) 1,1-Dichloropropene	5.63	75	43344	5.067	ug/l #	52
38) Carbon Tetrachloride	5.63	117	57861	6.002	ug/l #	17
49) 1,4-Dioxane	7.74	88	240	1.659	ug/l #	71
76) 1,2,3-Trichloropropane	11.12	75	205984	22.119	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	205984	59.741	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018145.D

Acq: 31 Aug 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

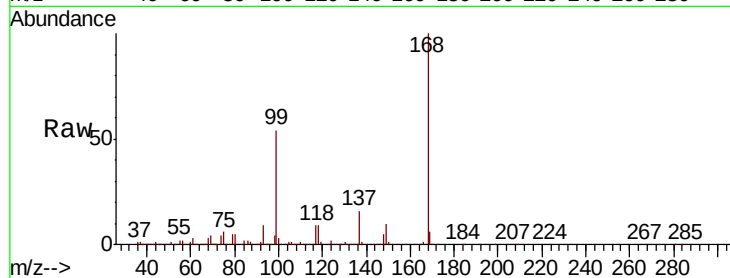
MH-117N-20200827

Tot Ion:168 Resp: 563626

Ion Ratio Lower Upper

168 100

99 54.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

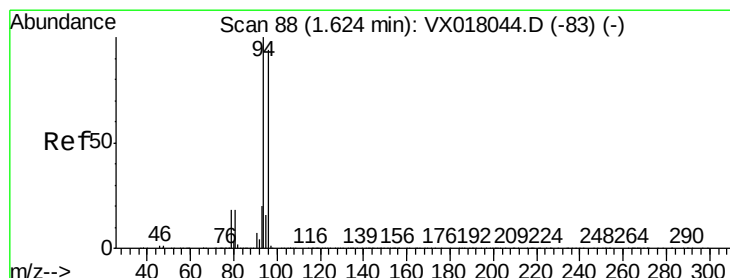
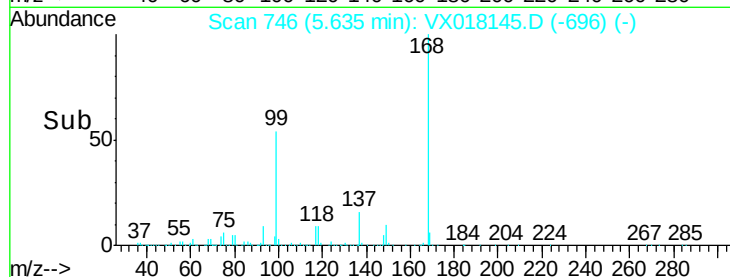
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.309 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018145.D

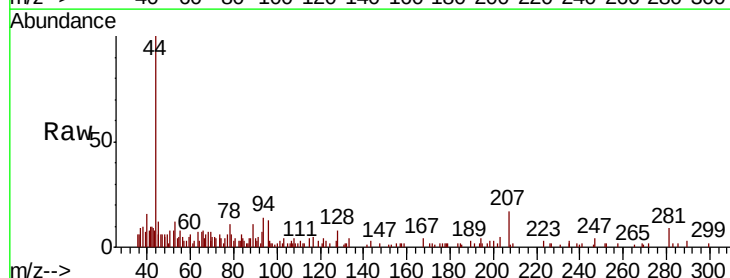
Acq: 31 Aug 2020 14:22

Tgt Ion: 94 Resp: 1075

Ion Ratio Lower Upper

94 100

96 89.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

300

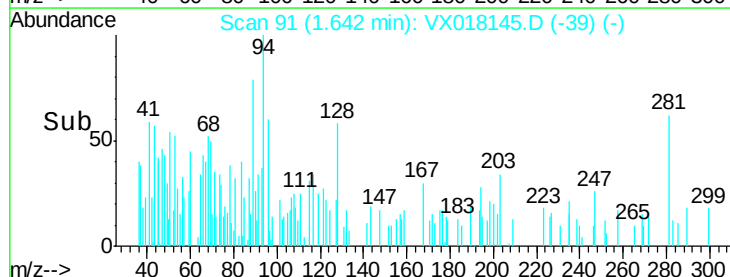
200

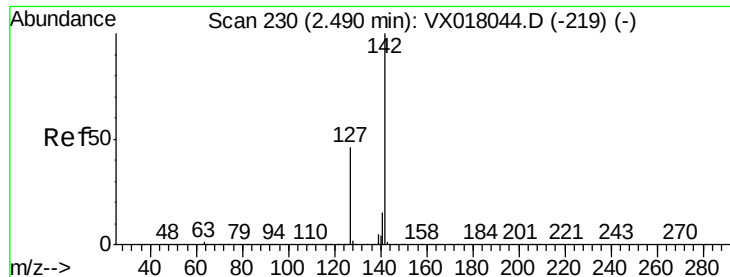
100

0

Time-->

1.60 1.65 1.70

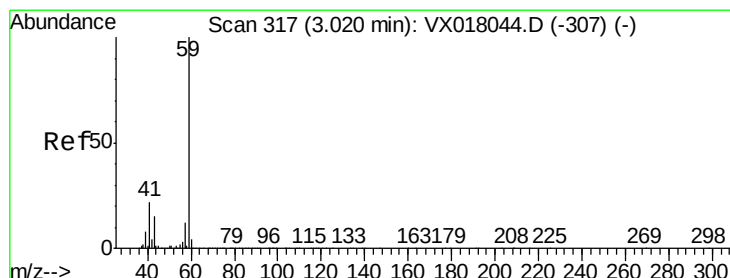
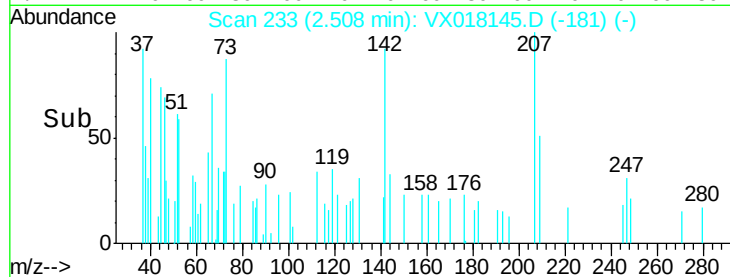
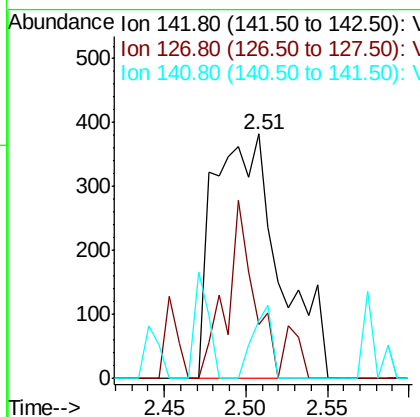
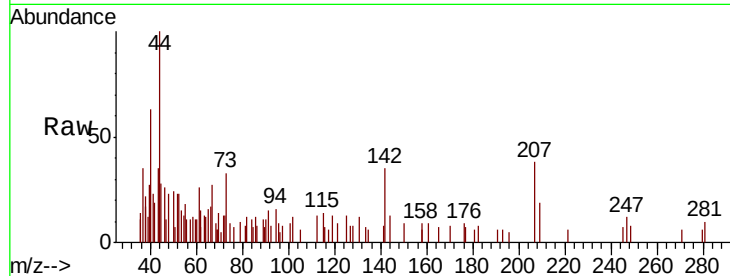




#10
Methyl Iodide
Concen: 5.455 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018145.D
Acq: 31 Aug 2020 14:22

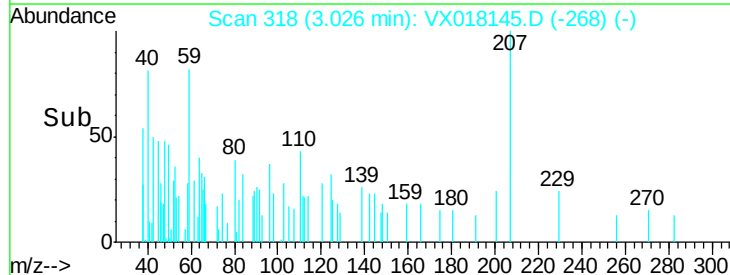
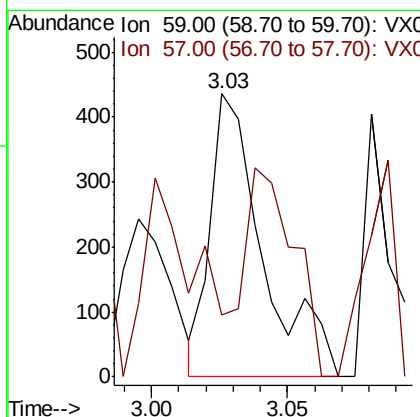
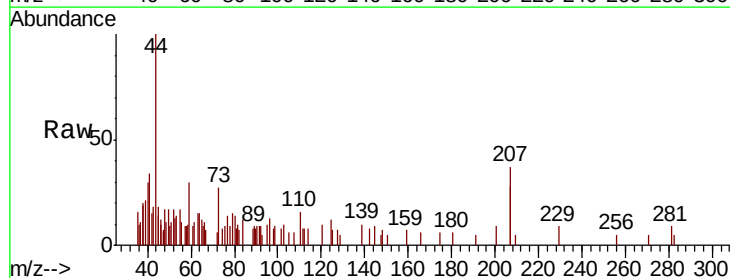
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200827

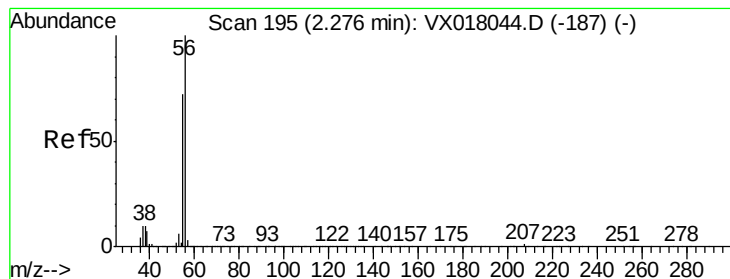
Tot Ion:142 Resp: 1069
Ion Ratio Lower Upper
142 100
127 30.2 37.0 55.6#
141 8.7 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.385 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX018145.D
Acq: 31 Aug 2020 14:22

Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 70.3 8.9 13.3#





#13

Acrolein

Concen: 1.268 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018145.D

Acq: 31 Aug 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

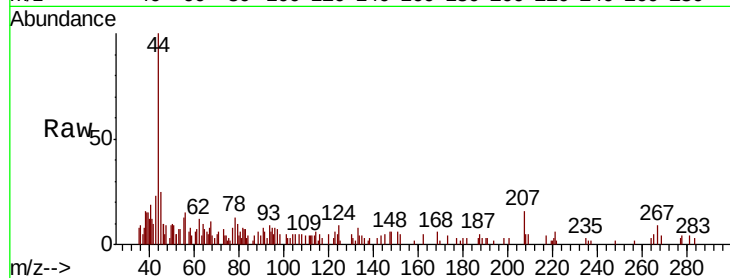
MH-117N-20200827

Tot Ion: 56 Resp: 800

Ion Ratio Lower Upper

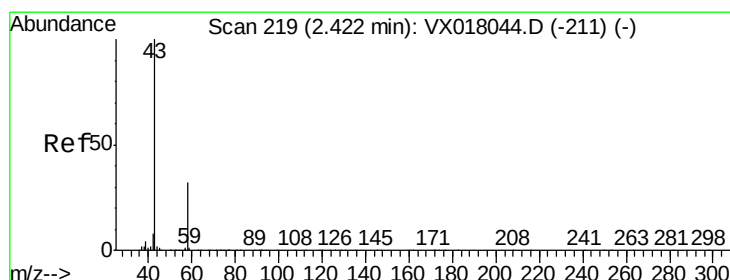
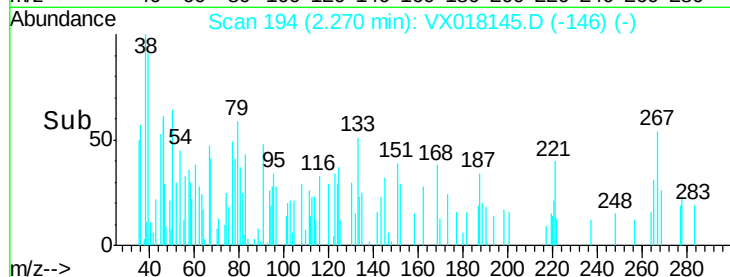
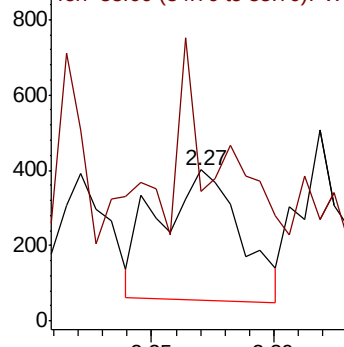
56 100

55 22.8 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.236 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018145.D

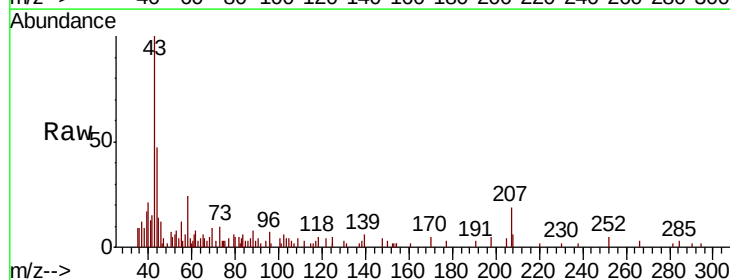
Acq: 31 Aug 2020 14:22

Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

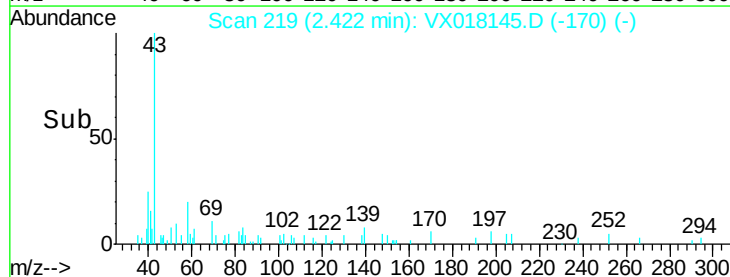
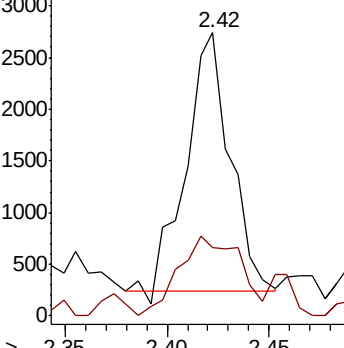
43 100

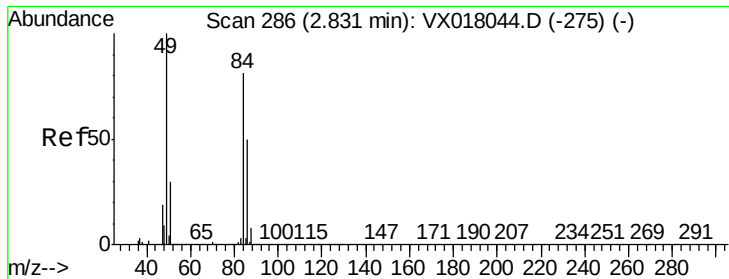
58 21.9 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

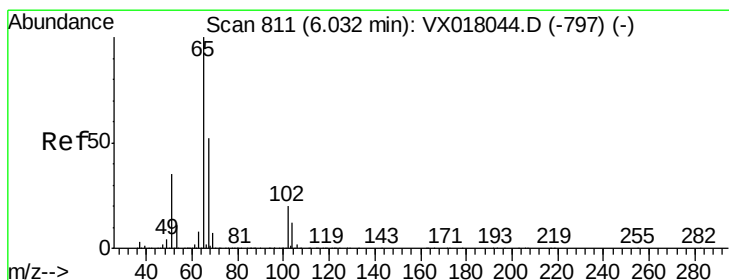
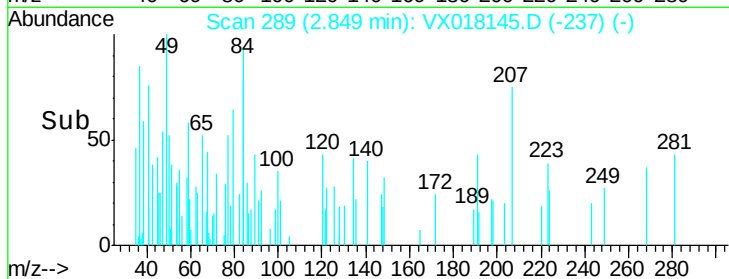
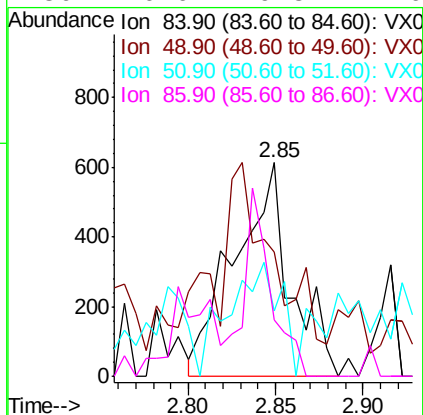
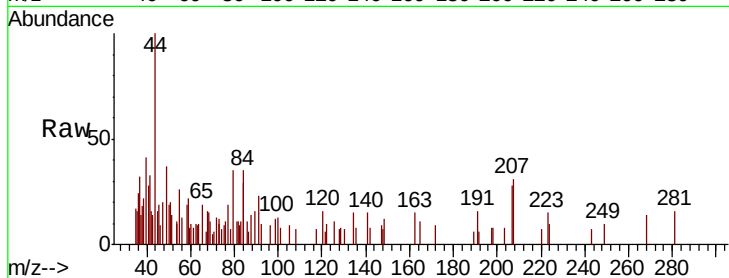




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.02 min
Lab File: VX018145.D
Acq: 31 Aug 2020 14:22

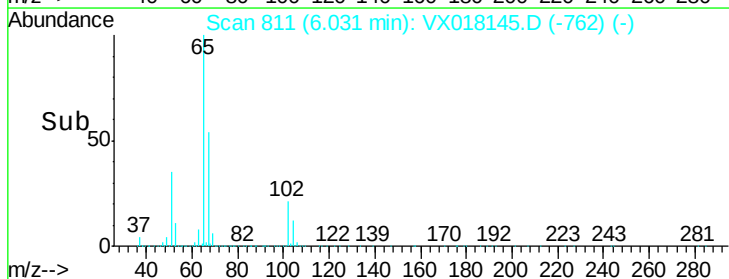
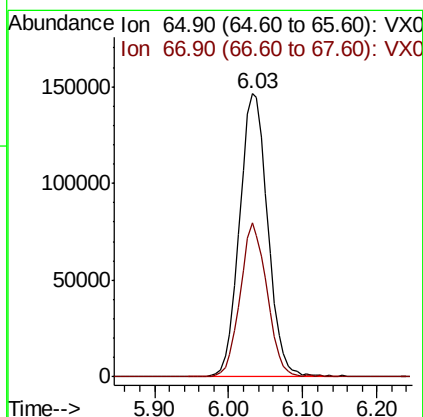
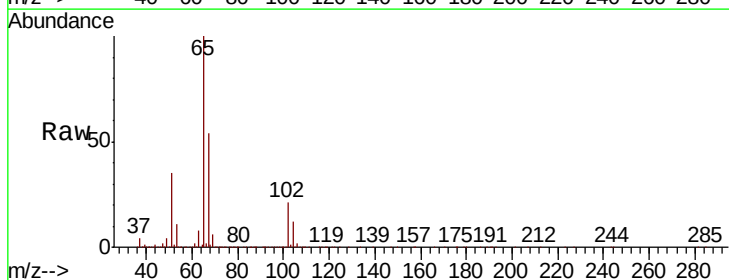
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200827

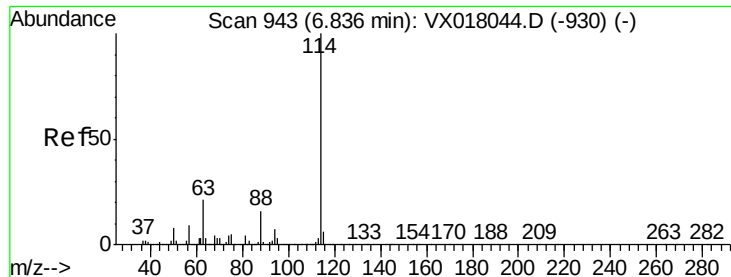
Tot Ion: 84 Resp: 1376
Ion Ratio Lower Upper
84 100
49 27.3 98.6 148.0#
51 29.2 29.6 44.4#
86 26.6 49.8 74.6#



#33
1,2-Dichloroethane-d4
Concen: 49.950 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018145.D
Acq: 31 Aug 2020 14:22

Tgt Ion: 65 Resp: 390836
Ion Ratio Lower Upper
65 100
67 51.7 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: VX018145.D

Acq: 31 Aug 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200827

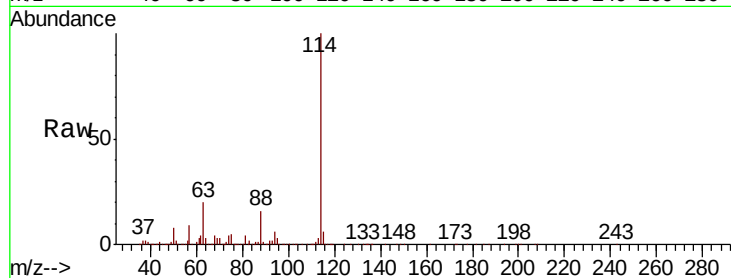
Tot Ion:114 Resp: 927381

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

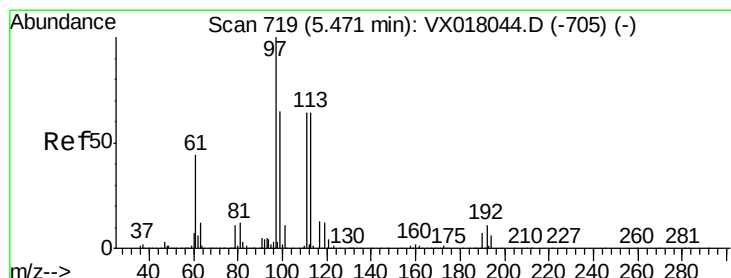
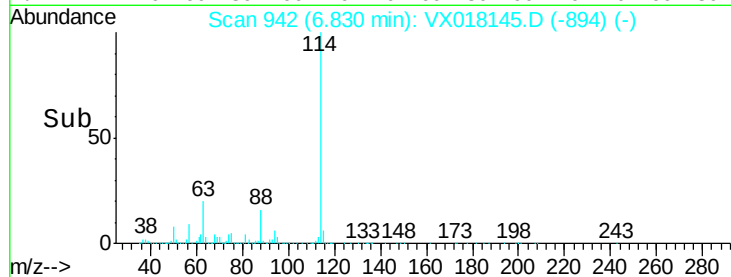
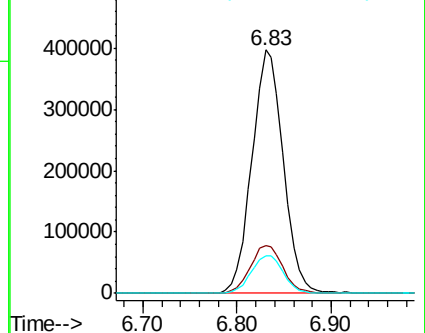
88 15.6 0.0 31.8



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: 48.708 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018145.D

Acq: 31 Aug 2020 14:22

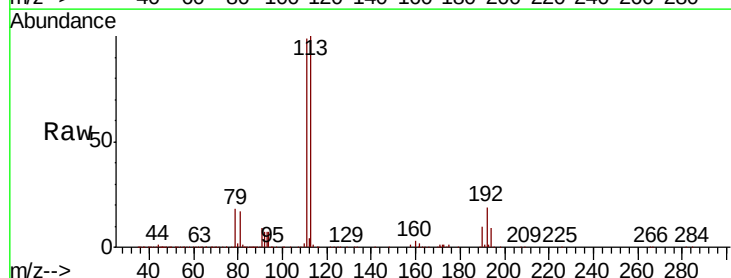
Tgt Ion:113 Resp: 307633

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

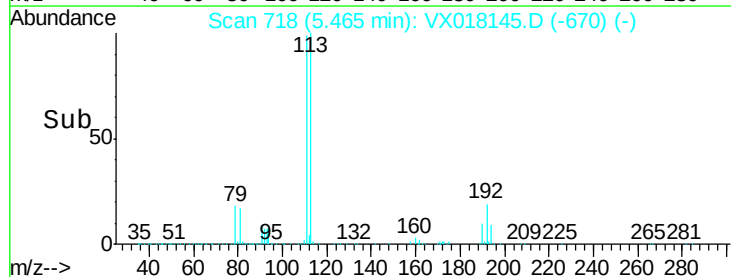
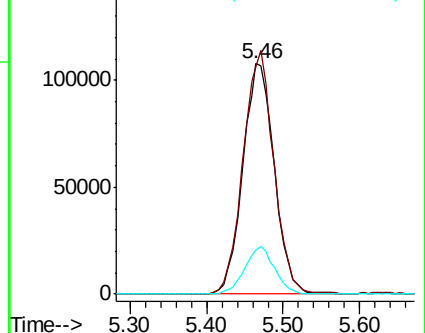
192 19.9 15.8 23.8

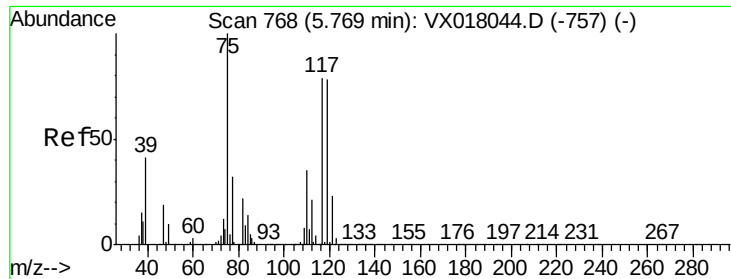


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

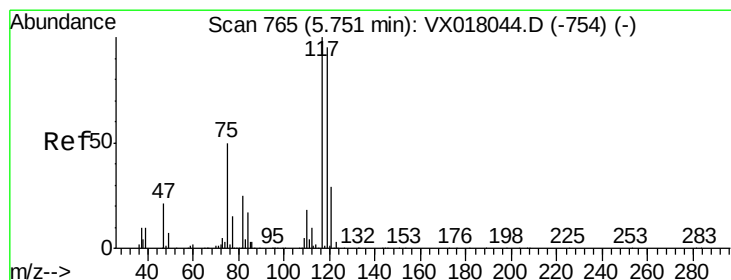
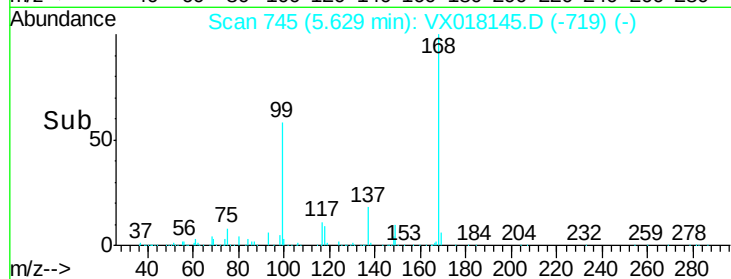
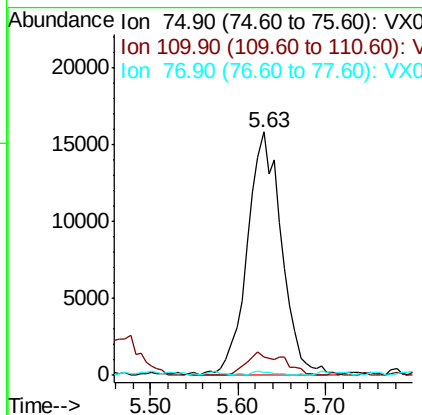
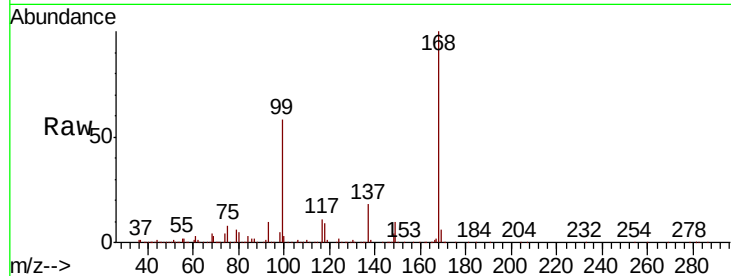




#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018145.D
 Acq: 31 Aug 2020 14:22

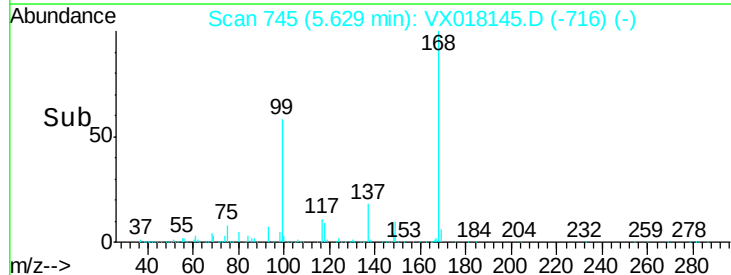
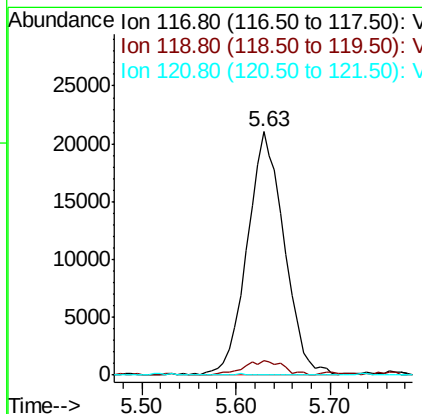
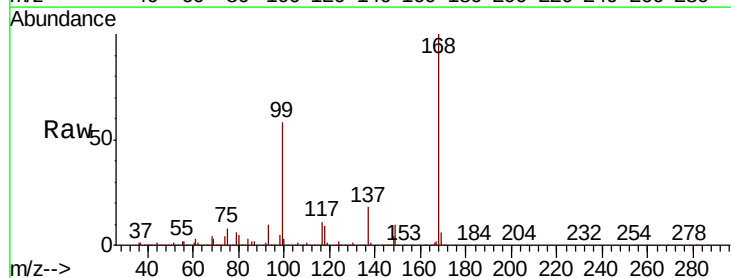
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200827

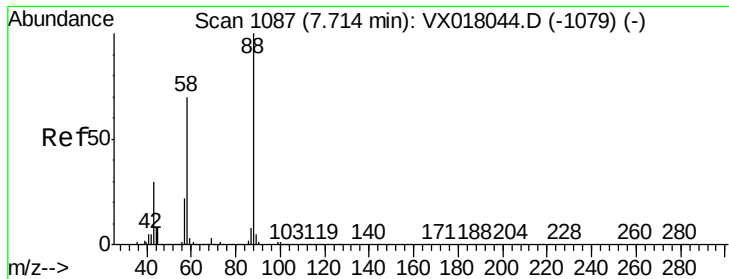
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.0	54.0#
77	1.3	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.002 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018145.D
 Acq: 31 Aug 2020 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.8	113.6#
121	0.0	23.4	35.0#

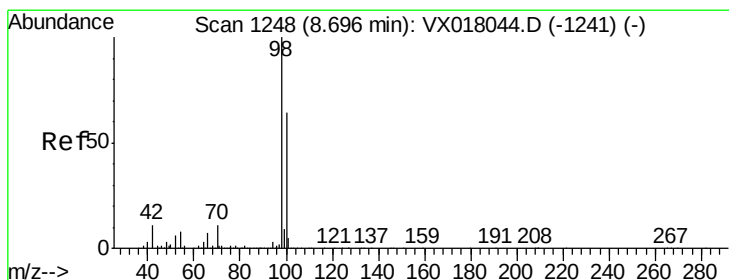
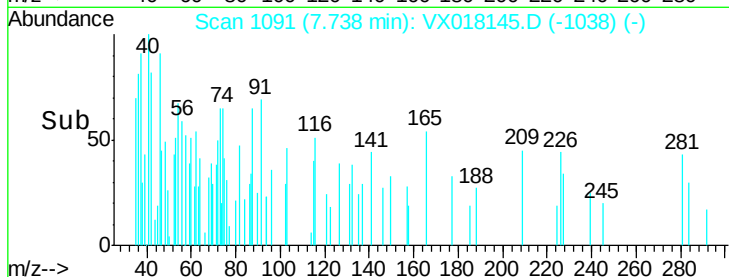
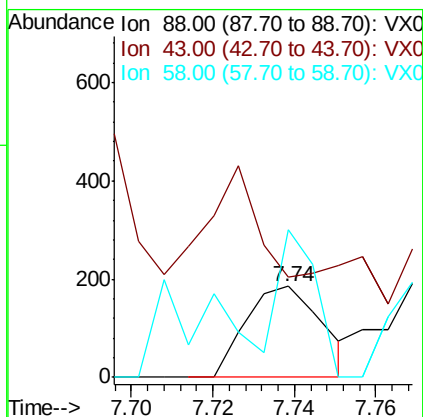
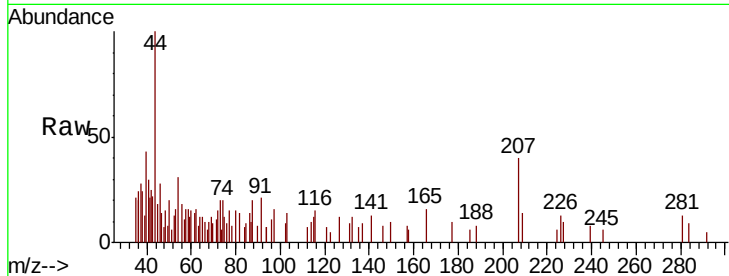




#49
1,4-Dioxane
Concen: 1.659 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX018145.D
Acq: 31 Aug 2020 14:22

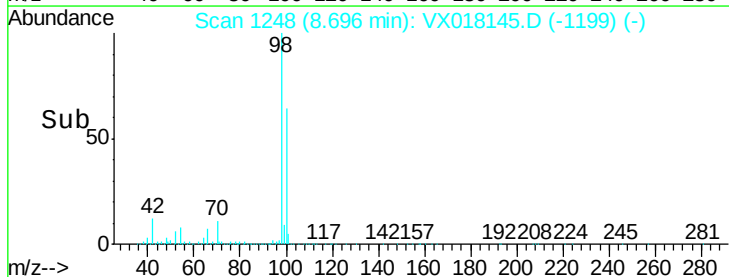
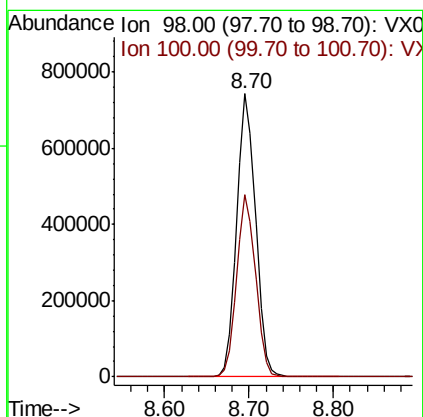
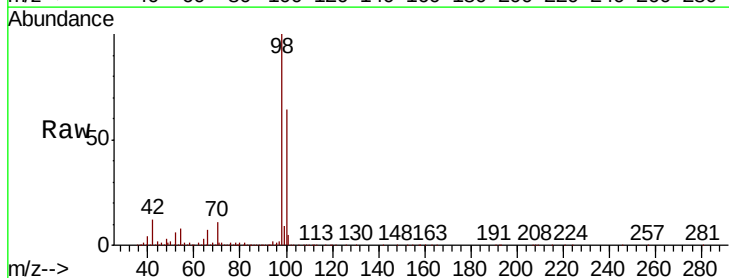
Instrument :
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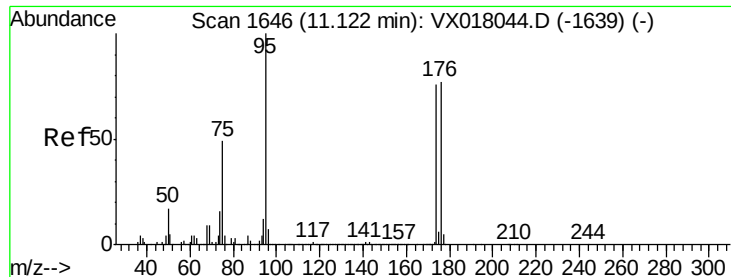
Tot Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 70.8 27.4 41.0#
58 80.8 56.4 84.6



#50
Toluene-d8
Concen: 47.747 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018145.D
Acq: 31 Aug 2020 14:22

Tgt Ion: 98 Resp: 1123201
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.817 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018145.D

Acq: 31 Aug 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200827

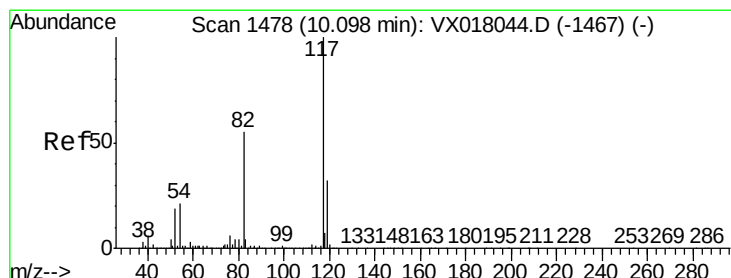
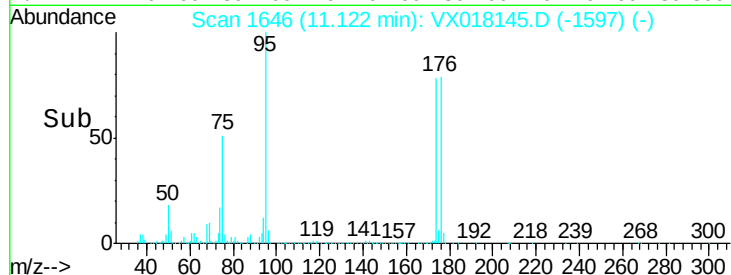
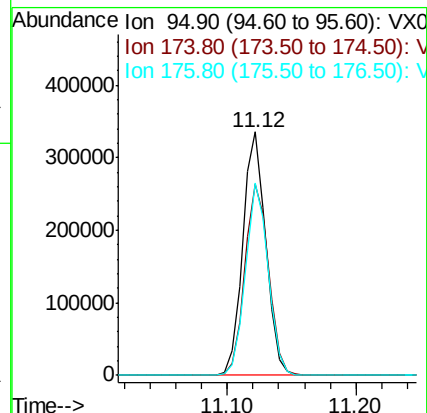
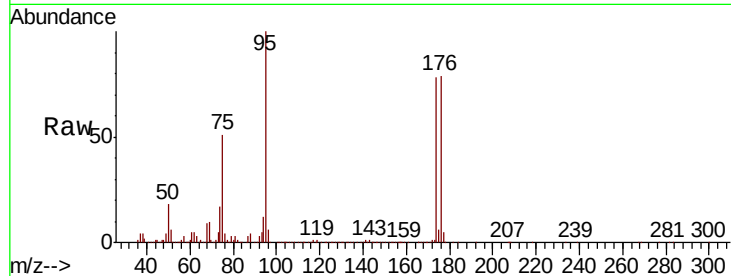
Tot Ion: 95 Resp: 414798

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.2

176 77.4 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: VX018145.D

Acq: 31 Aug 2020 14:22

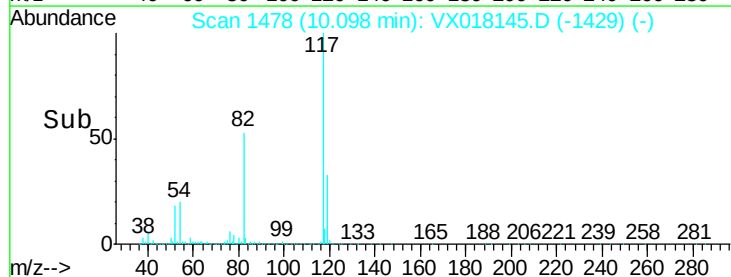
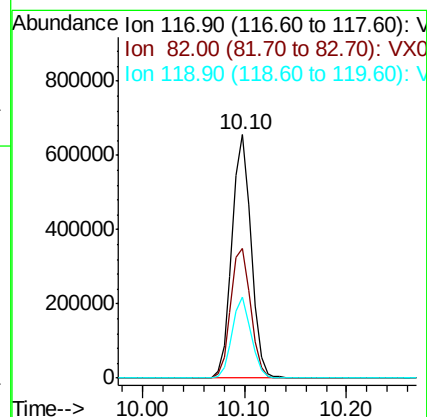
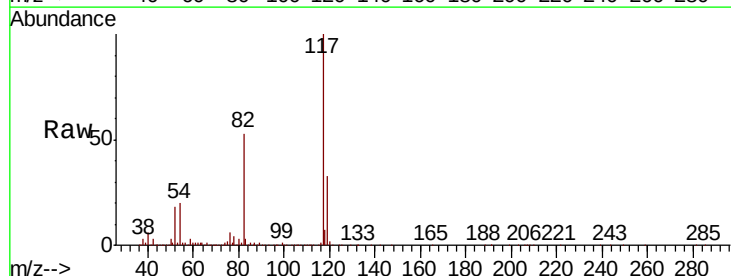
Tgt Ion: 117 Resp: 852403

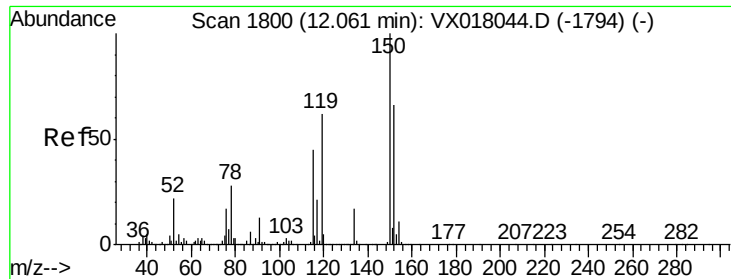
Ion Ratio Lower Upper

117 100

82 53.3 44.2 66.2

119 33.1 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: VX018145.D

Acq: 31 Aug 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200827

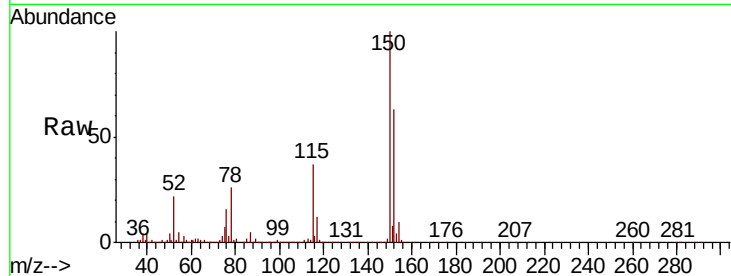
Tot Ion:152 Resp: 418621

Ion Ratio Lower Upper

152 100

115 58.1 41.5 124.5

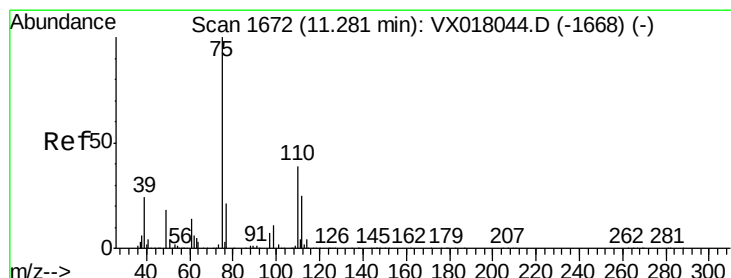
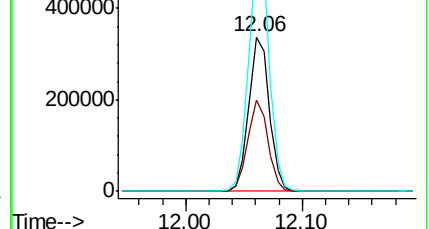
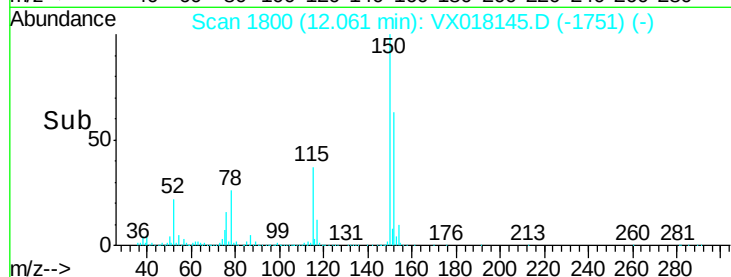
150 156.2 0.0 343.8



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: 22.119 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018145.D

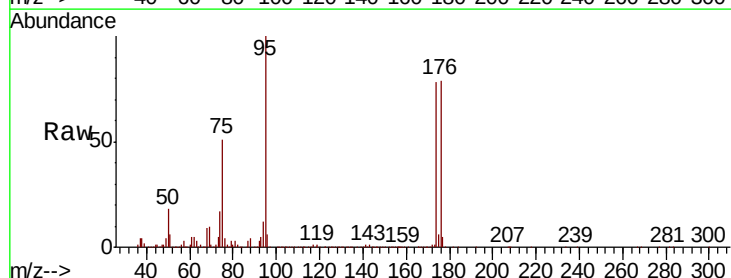
Acq: 31 Aug 2020 14:22

Tgt Ion: 75 Resp: 205984

Ion Ratio Lower Upper

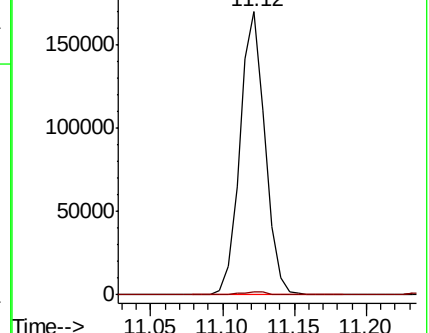
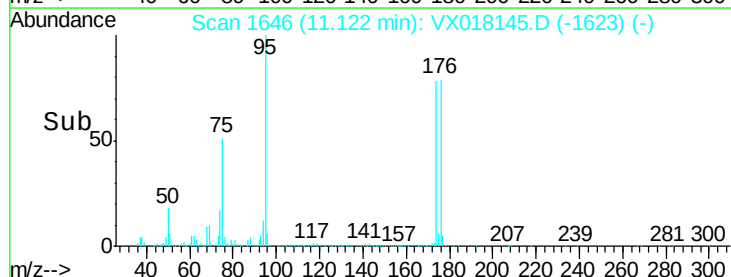
75 100

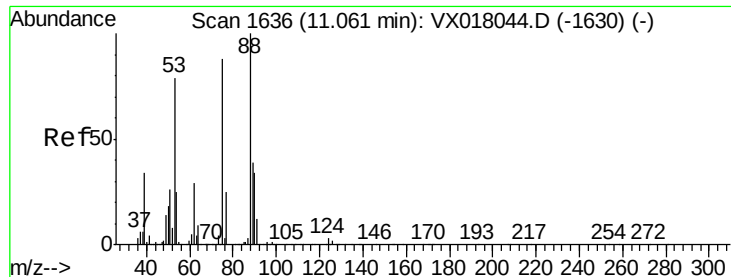
77 1.3 20.8 62.2#



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: 59.741 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018145.D

Acq: 31 Aug 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200827

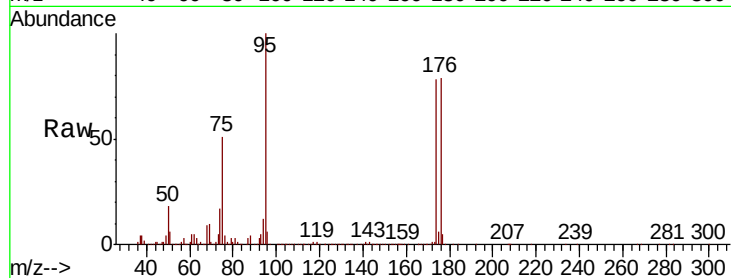
Tot Ion: 75 Resp: 205984

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

