

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013585.D
 Acq On : 25 Nov 2019 16:47
 Operator : JC/SP
 Sample : K5968-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20191121

Quant Time: Nov 26 03:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	691405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1107596	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1011771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	511909	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	399974	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	5.48	113	331486	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	8.71	98	1347368	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.14	95	478041	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

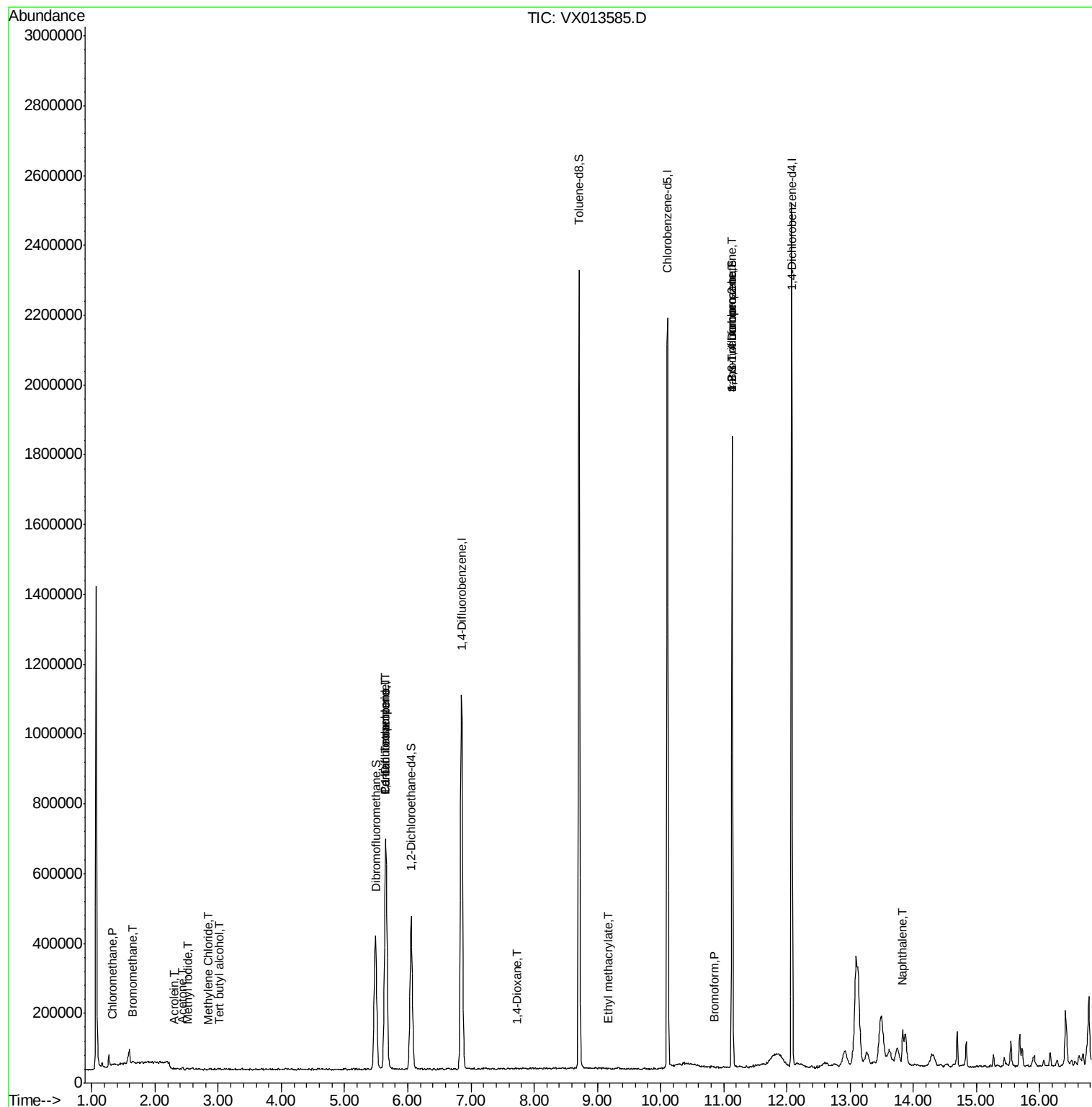
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2395	0.277	ug/l	89
5) Bromomethane	1.64	94	2832	0.413	ug/l #	66
6) Chloroethane	1.71	64	1125	Below Cal		97
10) Methyl Iodide	2.52	142	2406	0.300	ug/l #	97
11) Tert butyl alcohol	3.01	59	1815	0.841	ug/l #	18
13) Acrolein	2.31	56	238	0.203	ug/l #	1
16) Acetone	2.43	43	5663	1.386	ug/l	98
20) Methylene Chloride	2.84	84	1563	0.207	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	44451	4.678	ug/l #	51
38) Carbon Tetrachloride	5.65	117	59609	6.415	ug/l #	15
49) 1,4-Dioxane	7.73	88	237	1.134	ug/l #	1
56) Ethyl methacrylate	9.17	69	878	1.629	ug/l #	85
71) Bromoform	10.86	173	214	3.231	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	234084	22.513	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	234084	57.949	ug/l #	9
95) Naphthalene	13.83	128	59098	1.675	ug/l	97

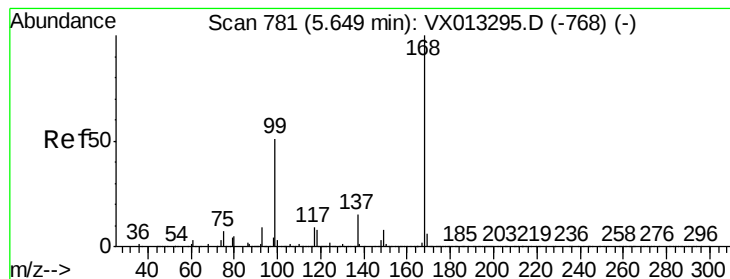
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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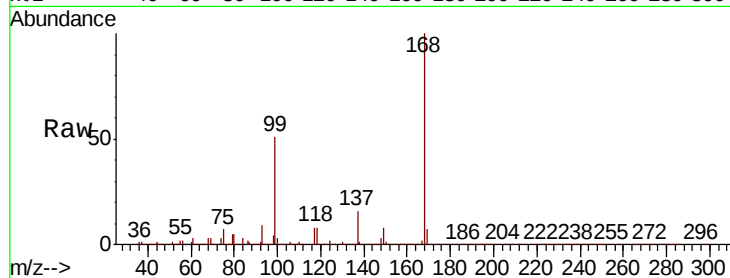


#1

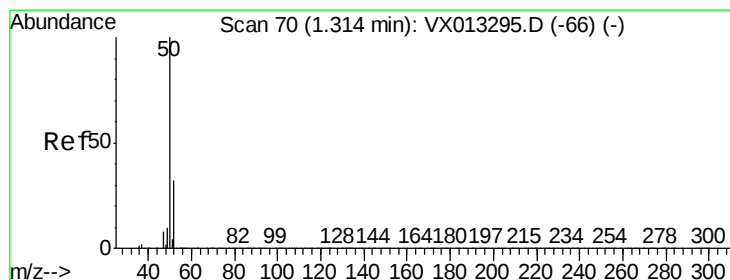
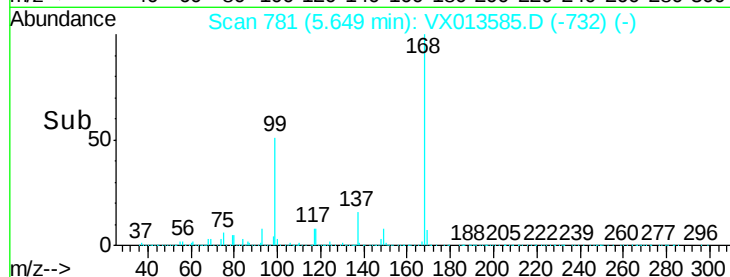
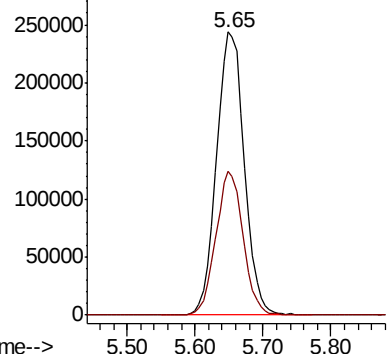
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX013585.D
 Acq: 25 Nov 2019 16:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20191121

Tot Ion:168 Resp: 691405
 Ion Ratio Lower Upper
 168 100
 99 50.7 40.8 61.2



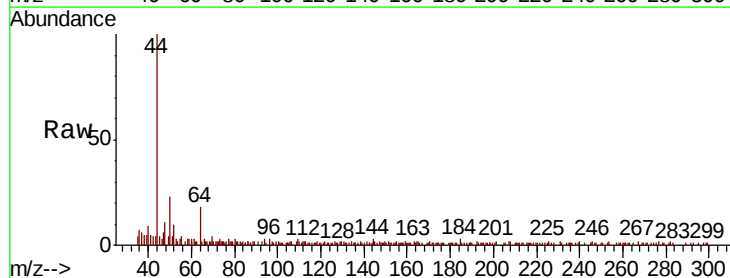
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



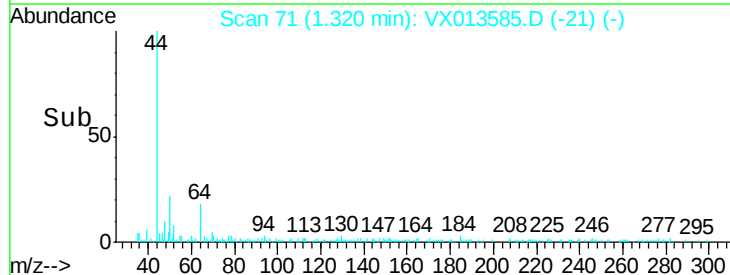
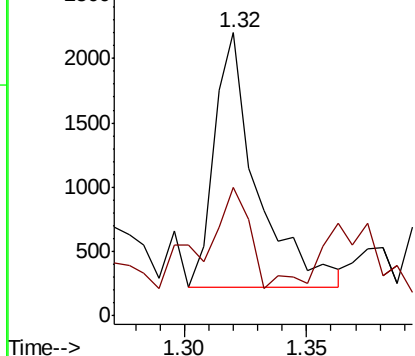
#3

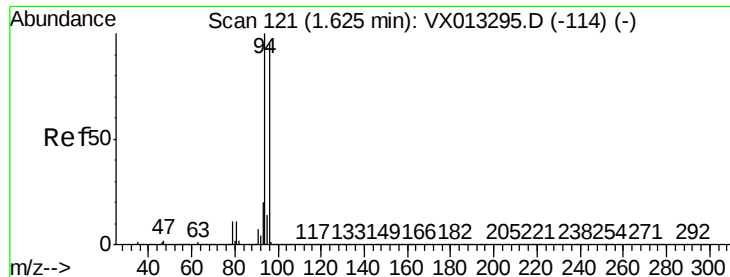
Chloromethane
 Concen: 0.277 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VX013585.D
 Acq: 25 Nov 2019 16:47

Tgt Ion: 50 Resp: 2395
 Ion Ratio Lower Upper
 50 100
 52 26.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.413 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

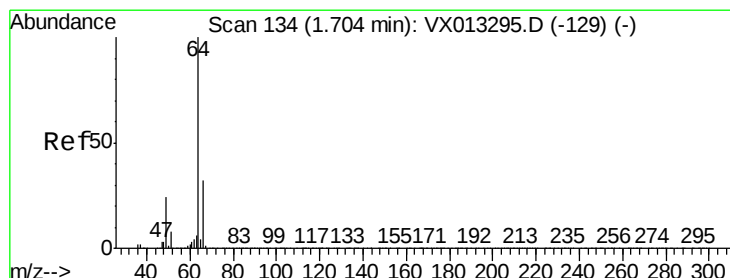
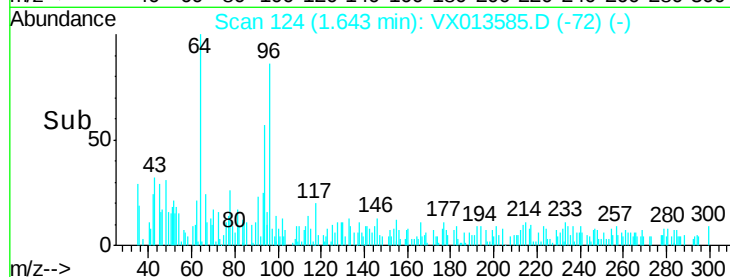
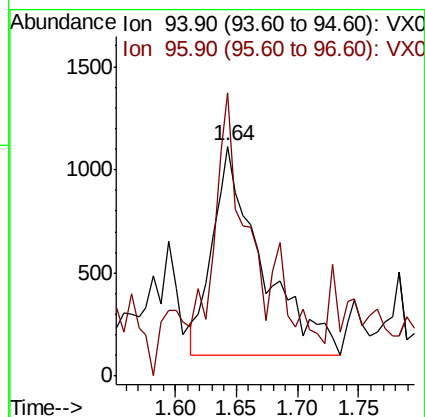
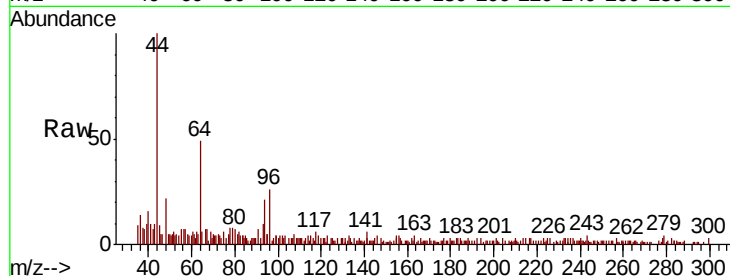
MH-117N-20191121

Tot Ion: 94 Resp: 2832

Ion Ratio Lower Upper

94 100

96 127.8 75.8 113.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013585.D

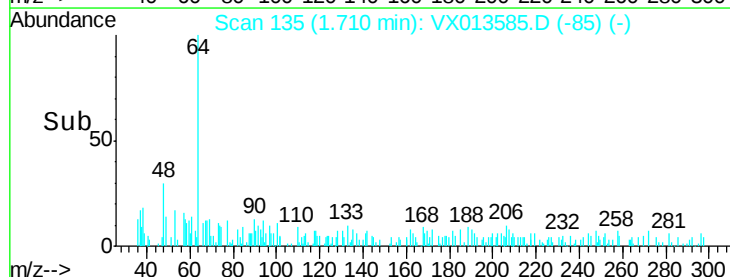
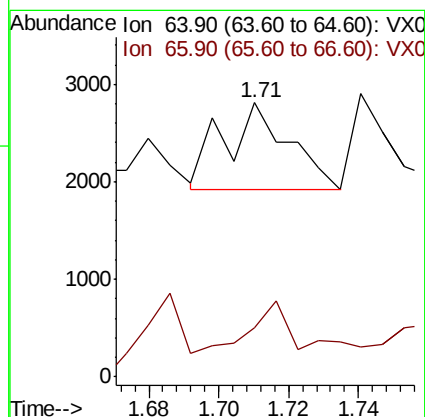
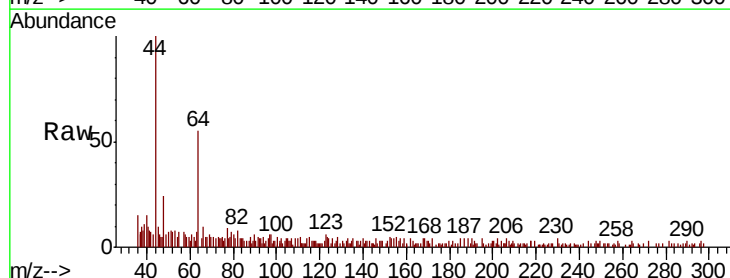
Acq: 25 Nov 2019 16:47

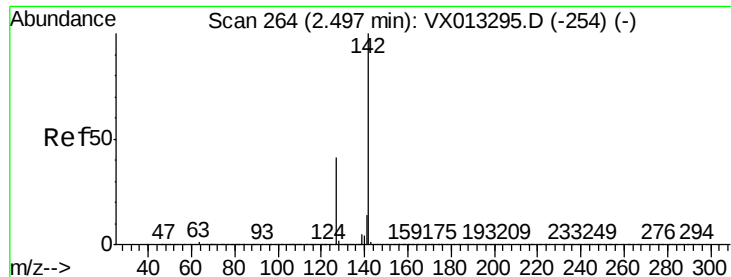
Tgt Ion: 64 Resp: 1125

Ion Ratio Lower Upper

64 100

66 30.2 25.6 38.4

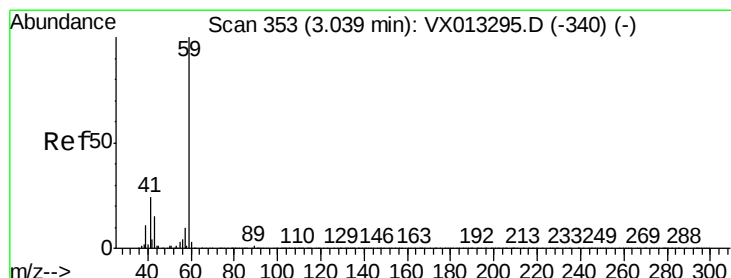
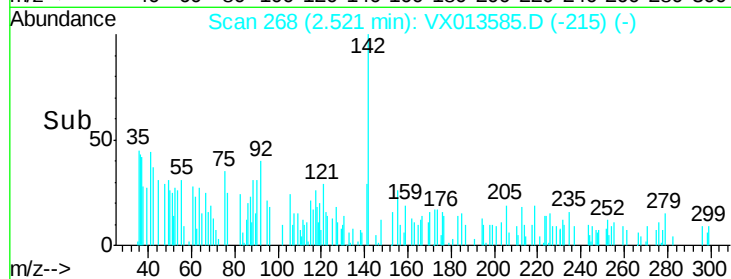
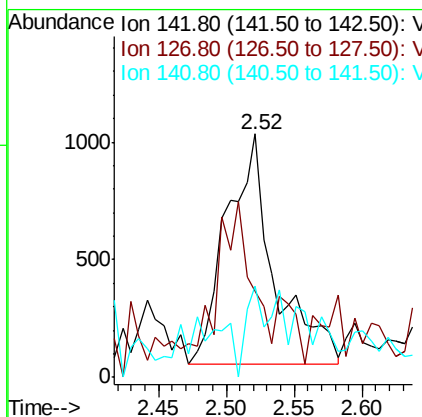
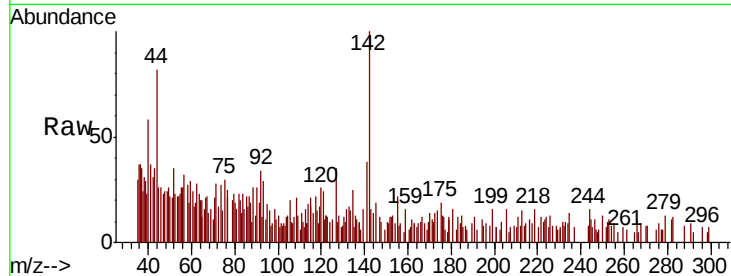




#10
Methvl Iodide
Concen: 0.300 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.02 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

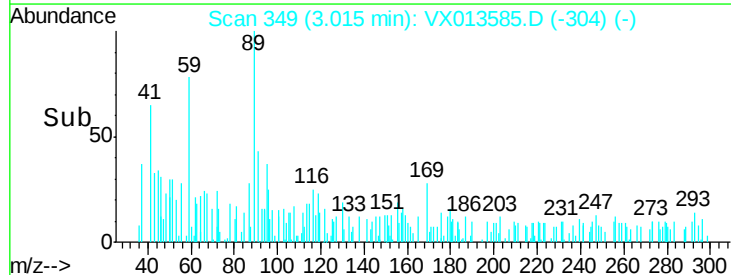
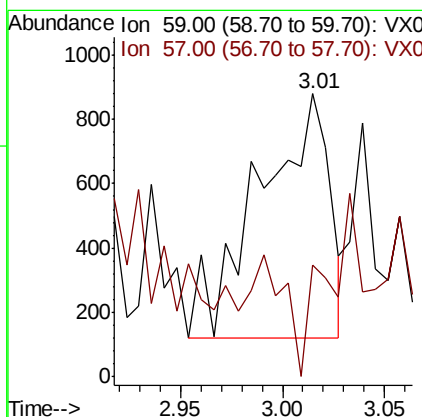
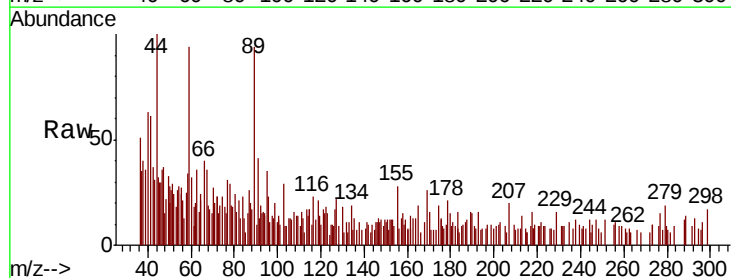
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20191121

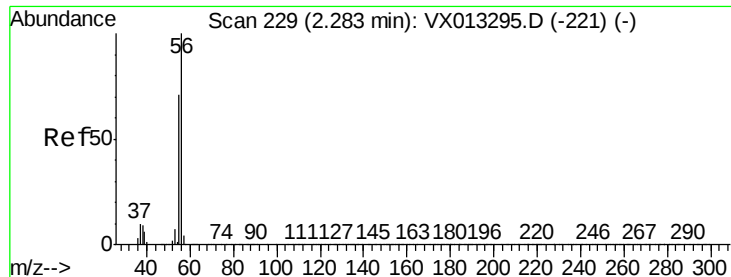
Tot Ion:142 Resp: 2406
Ion Ratio Lower Upper
142 100
127 39.9 32.6 49.0
141 17.6 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.841 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

Tgt Ion: 59 Resp: 1815
Ion Ratio Lower Upper
59 100
57 40.4 8.0 12.0#





#13

Acrolein

Concen: 0.203 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

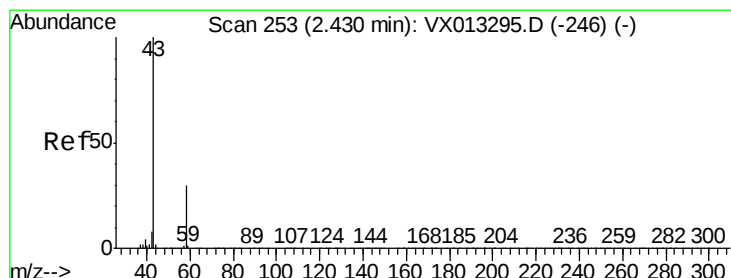
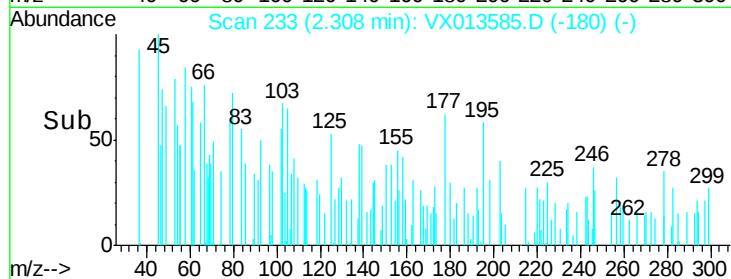
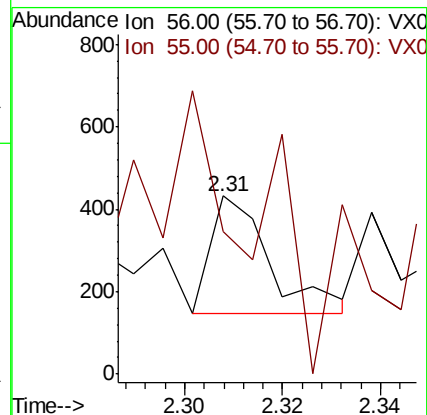
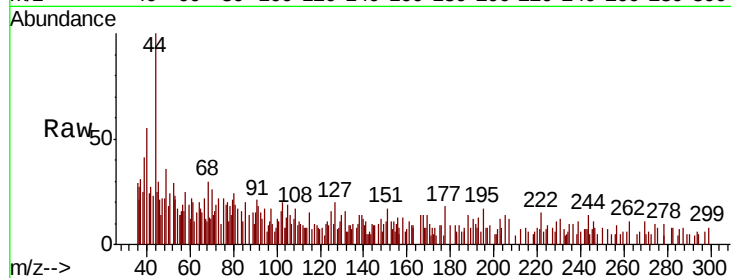
MH-117N-20191121

Tot Ion: 56 Resp: 238

Ion Ratio Lower Upper

56 100

55 220.6 57.4 86.0#



#16

Acetone

Concen: 1.386 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013585.D

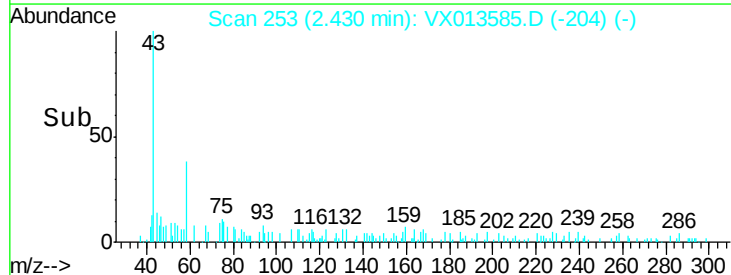
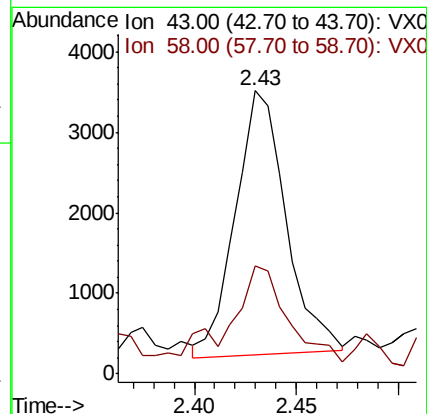
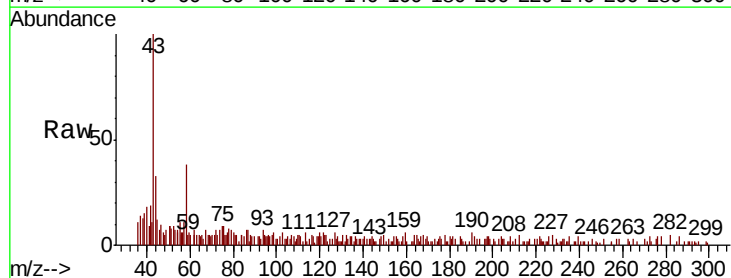
Acq: 25 Nov 2019 16:47

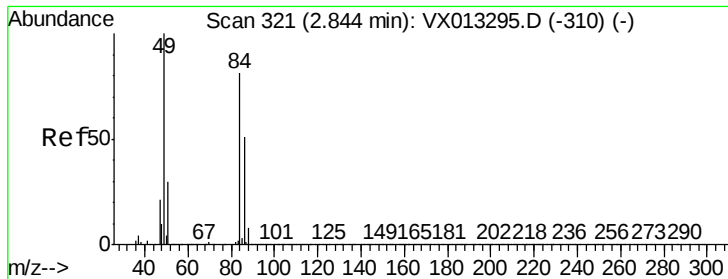
Tgt Ion: 43 Resp: 5663

Ion Ratio Lower Upper

43 100

58 29.3 24.3 36.5

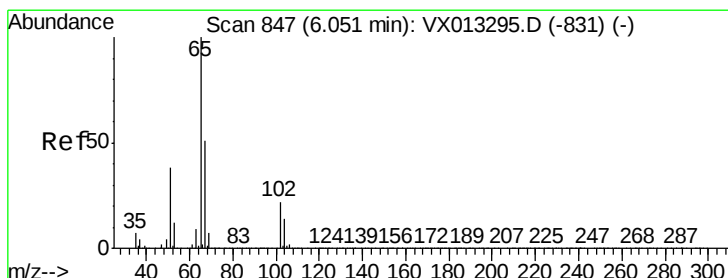
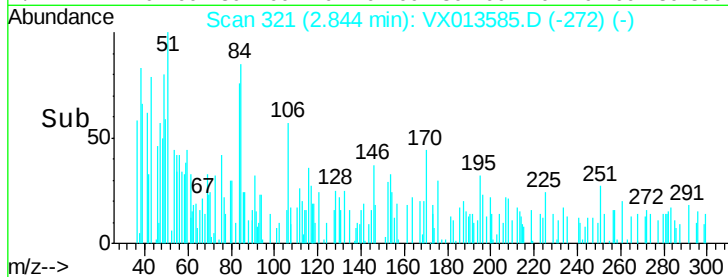
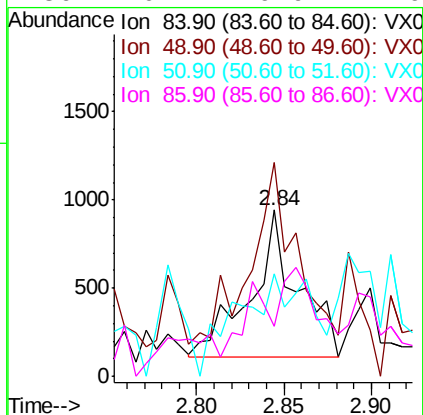
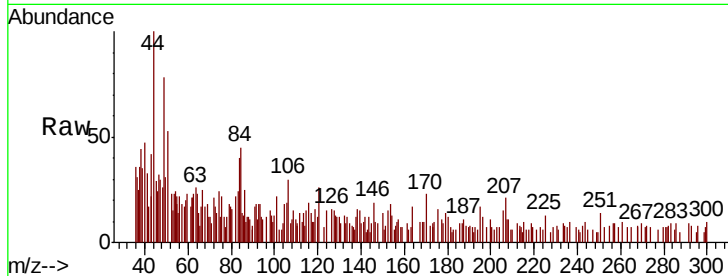




#20
Methvlene Chloride
Concen: 0.207 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

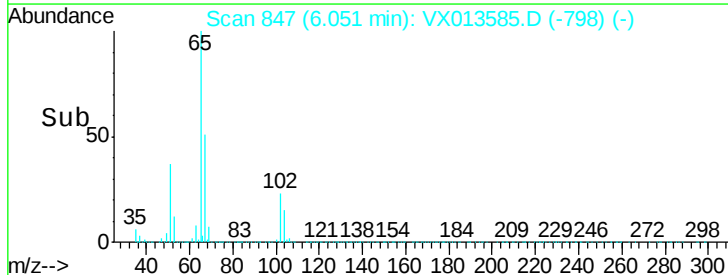
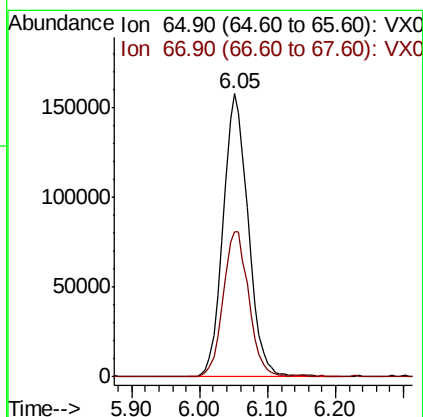
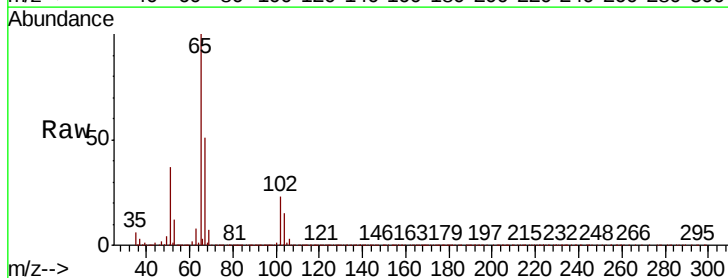
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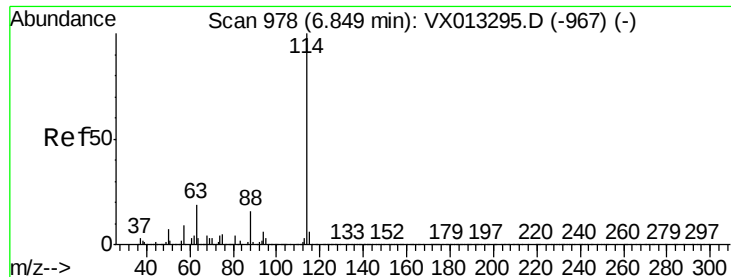
Tot Ion: 84 Resp: 1563
Ion Ratio Lower Upper
84 100
49 143.1 98.2 147.4
51 43.8 29.9 44.9
86 10.1 49.9 74.9#



#33
1,2-Dichloroethane-d4
Concen: 48.830 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

Tgt Ion: 65 Resp: 399974
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20191121

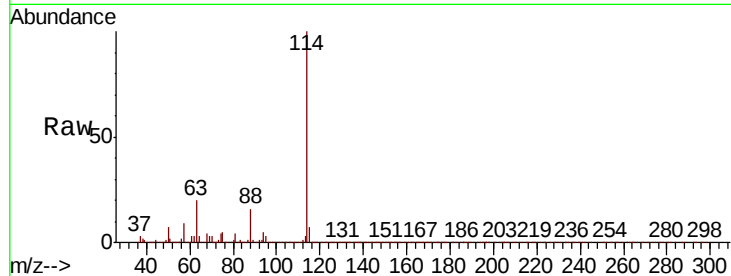
Tot Ion:114 Resp: 1107596

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 16.0 0.0 32.2



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

600000

500000

400000

300000

200000

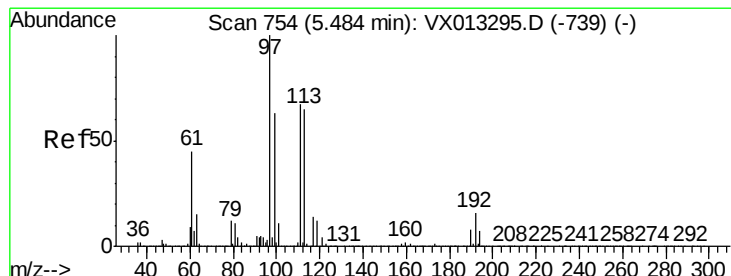
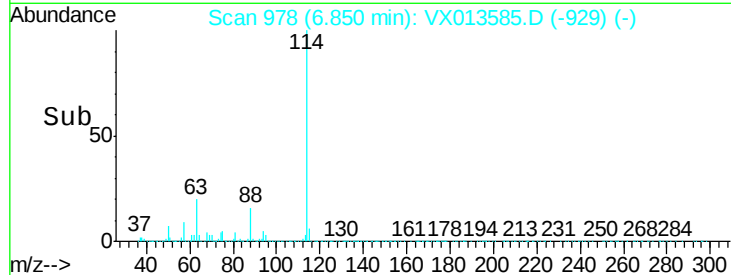
100000

0

6.85

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.717 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

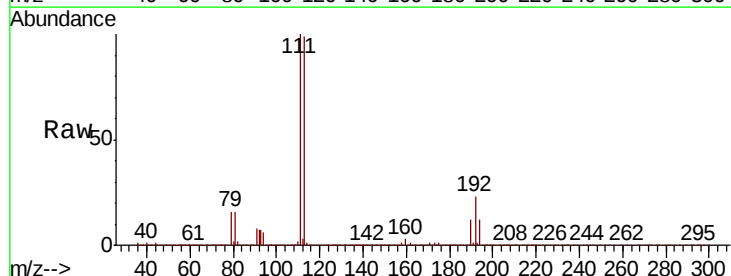
Tgt Ion:113 Resp: 331486

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 23.3 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

150000

100000

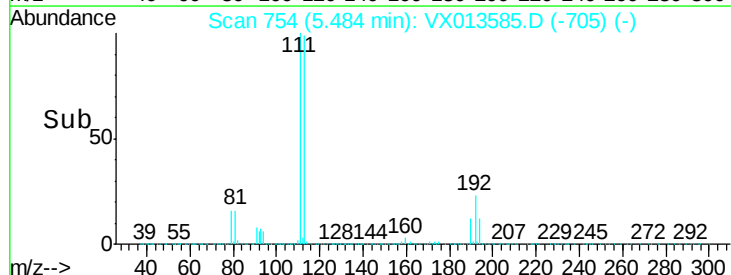
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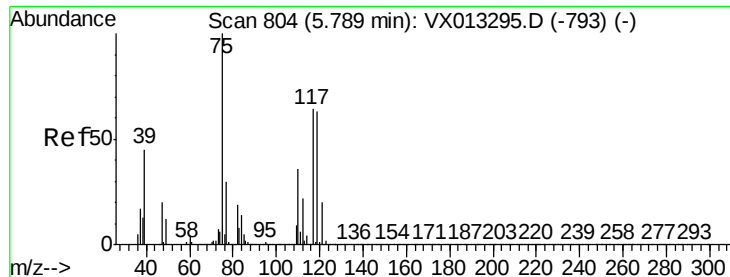
0

5.48

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :

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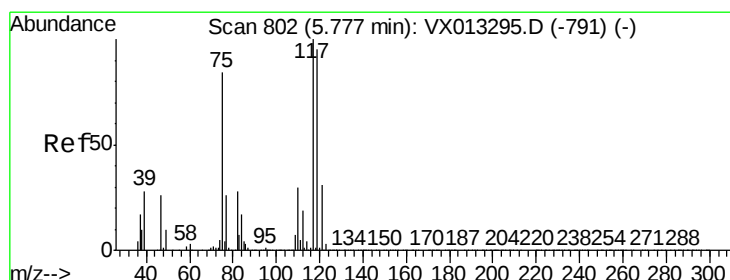
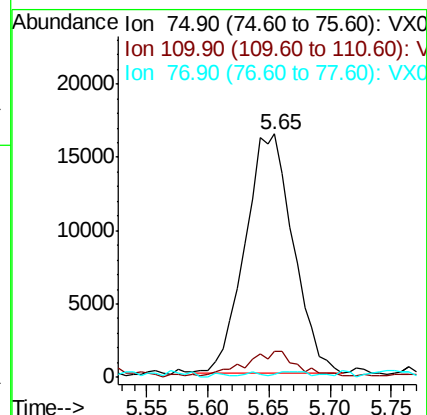
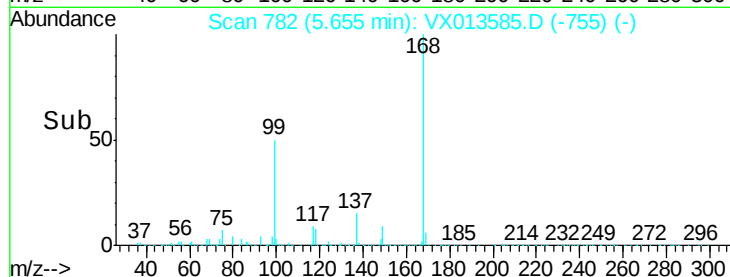
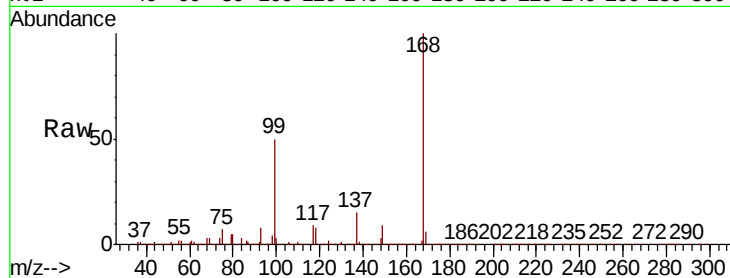
Tot Ion: 75 Resp: 44451

Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.1#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.415 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

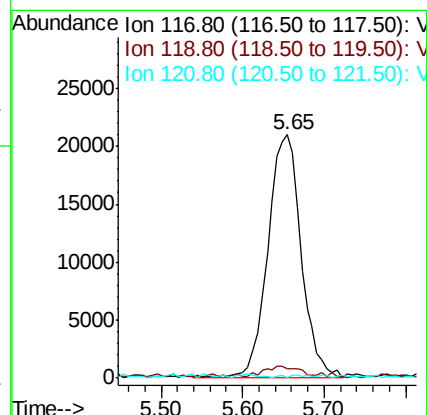
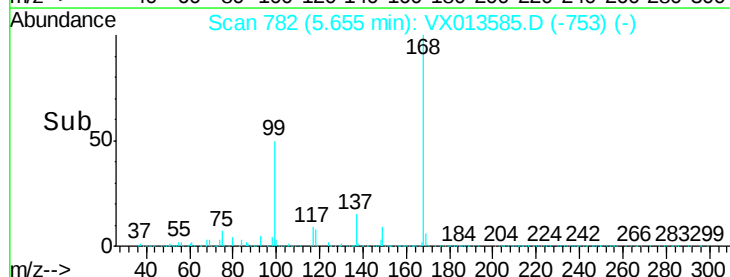
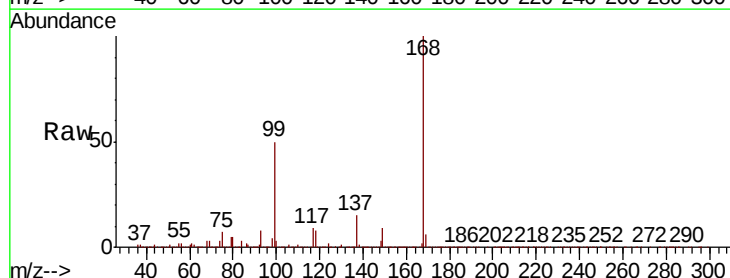
Tgt Ion: 117 Resp: 59609

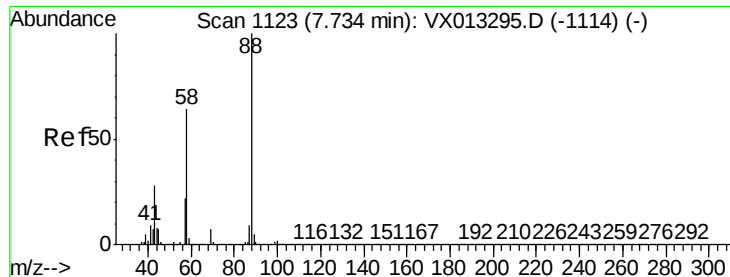
Ion Ratio Lower Upper

117 100

119 3.3 76.1 114.1#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.134 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20191121

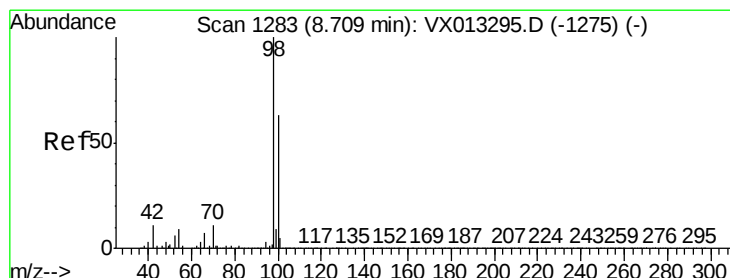
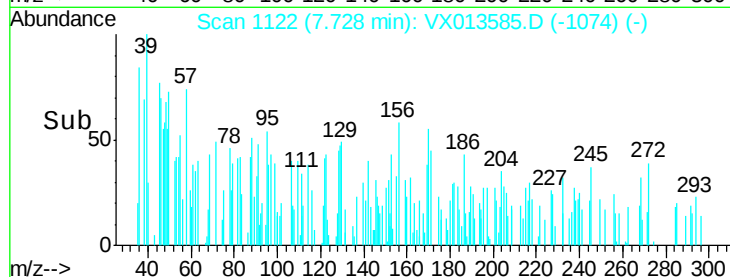
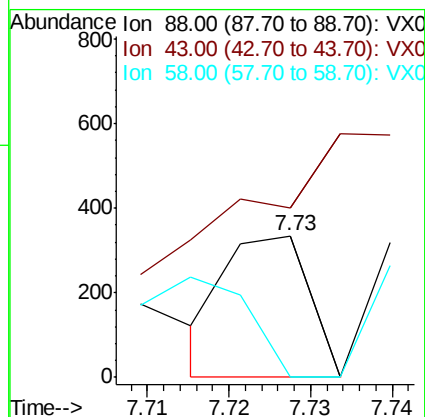
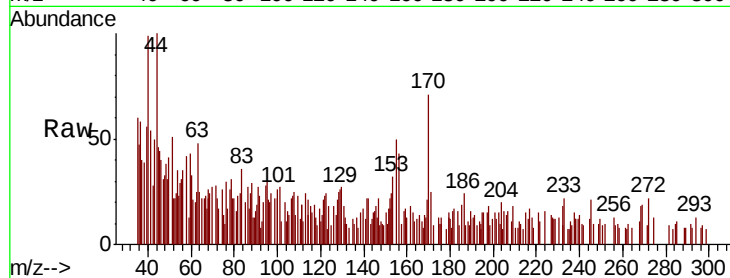
Tot Ion: 88 Resp: 237

Ion Ratio Lower Upper

88 100

43 392.0 26.6 39.8#

58 0.0 55.0 82.6#



#50

Toluene-d8

Concen: 51.447 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013585.D

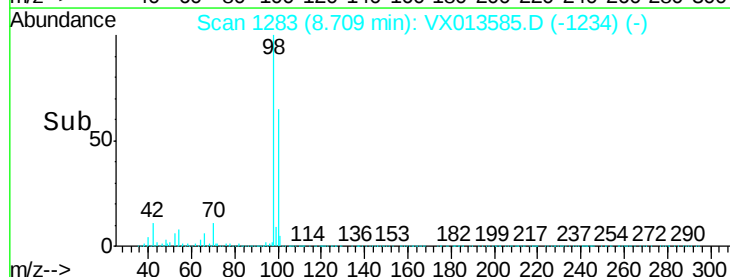
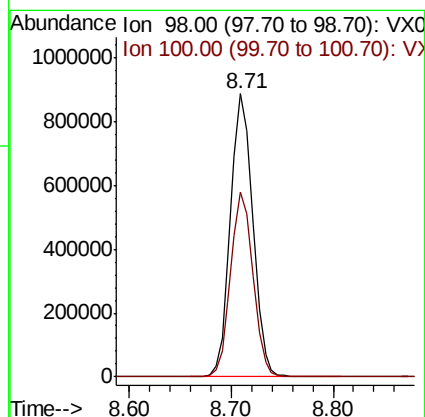
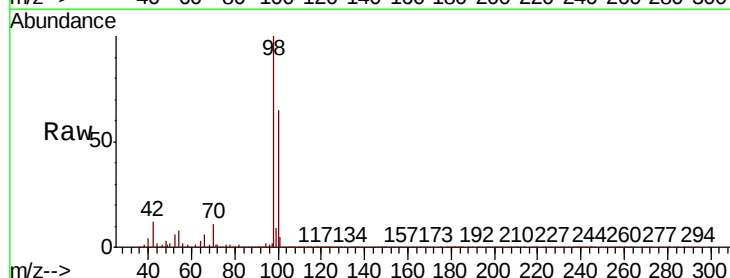
Acq: 25 Nov 2019 16:47

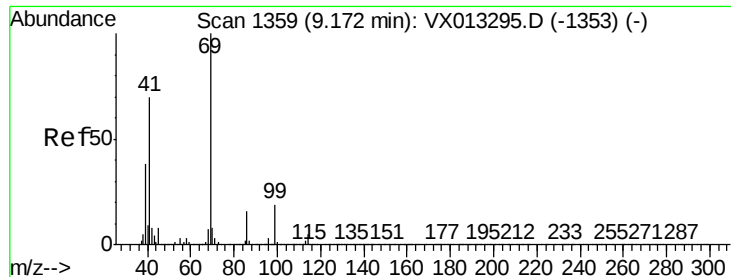
Tgt Ion: 98 Resp: 1347368

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.629 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20191121

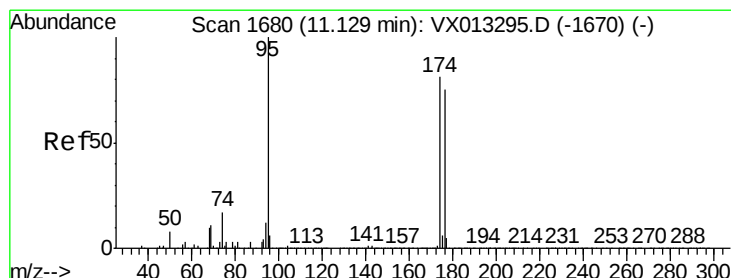
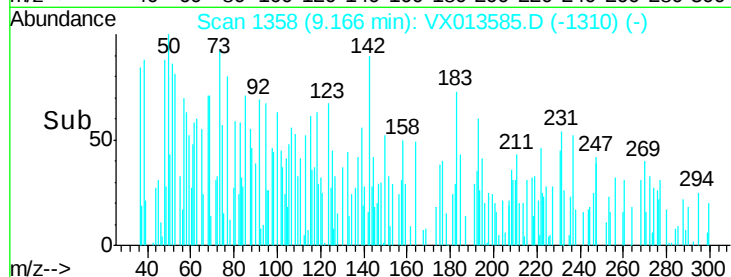
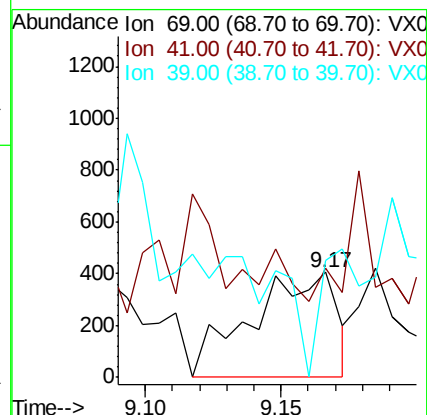
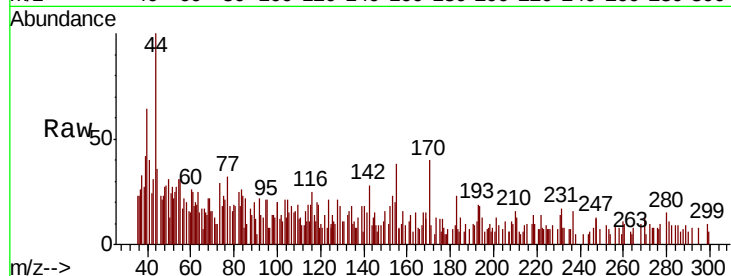
Tot Ion: 69 Resp: 878

Ion Ratio Lower Upper

69 100

41 78.1 56.2 84.2

39 54.1 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 50.576 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

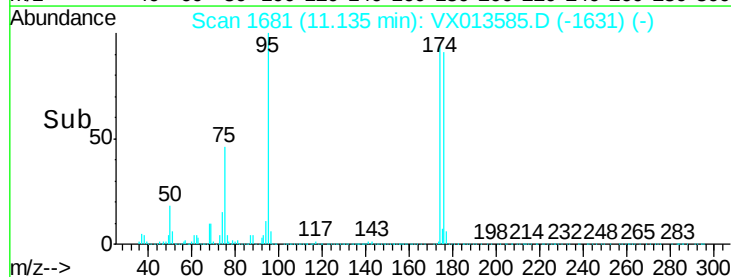
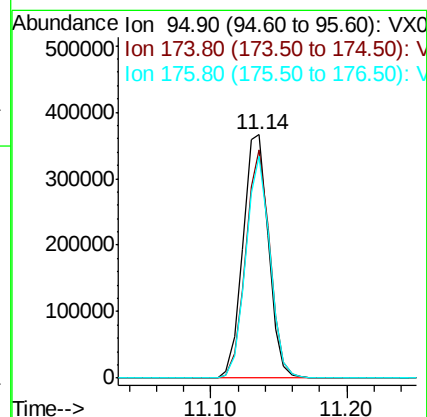
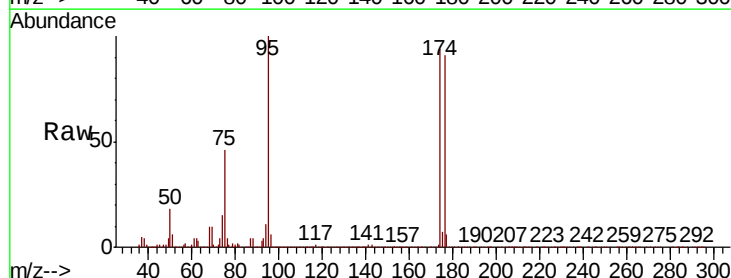
Tgt Ion: 95 Resp: 478041

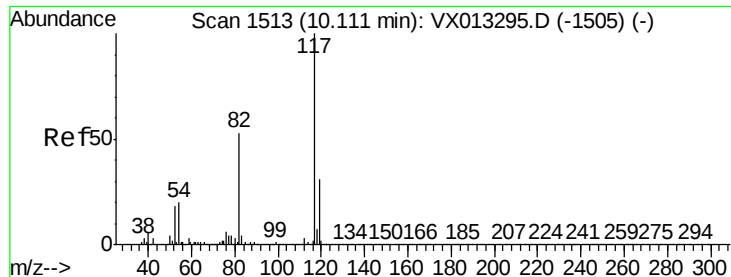
Ion Ratio Lower Upper

95 100

174 89.1 0.0 179.8

176 86.6 0.0 173.0

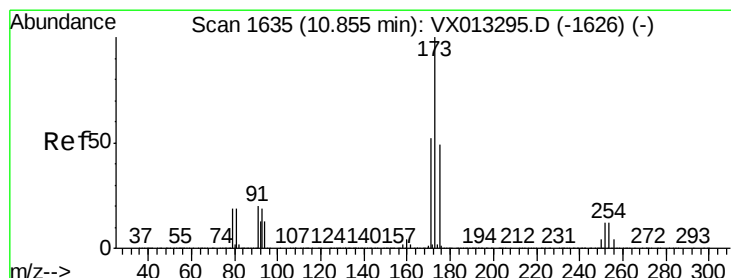
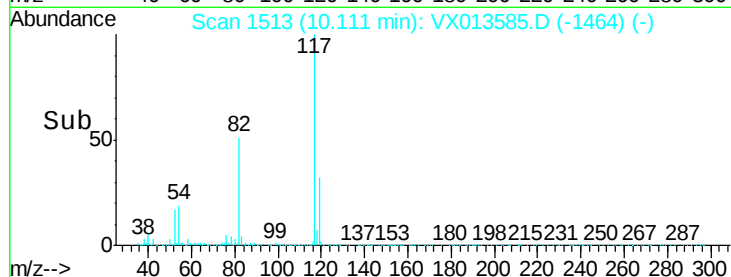
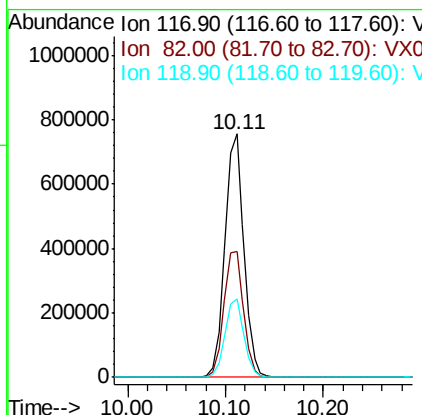
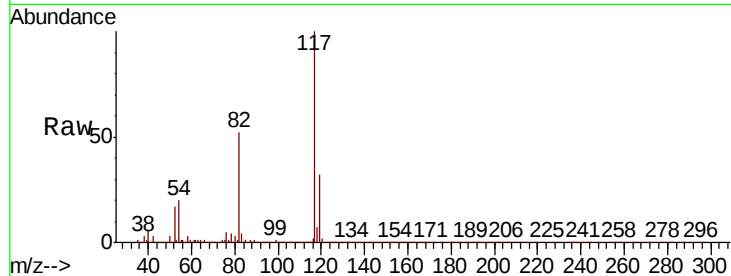




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

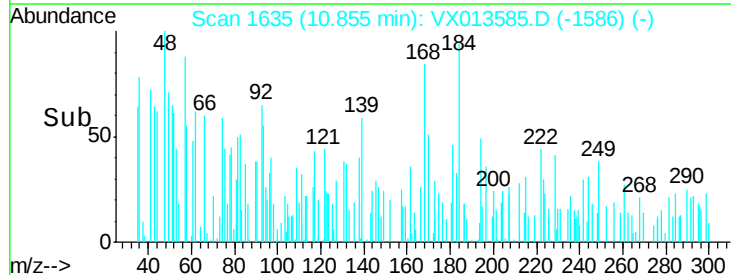
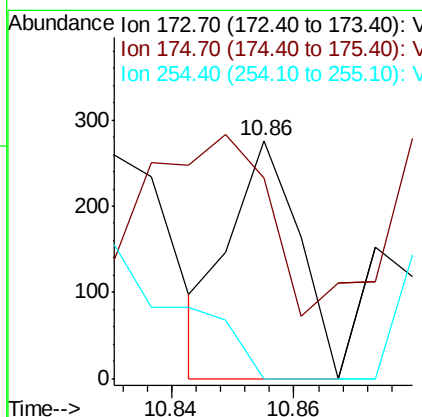
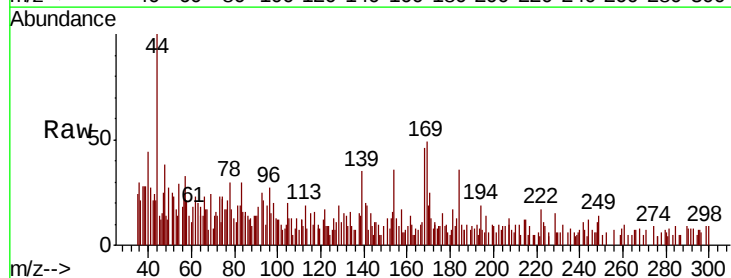
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20191121

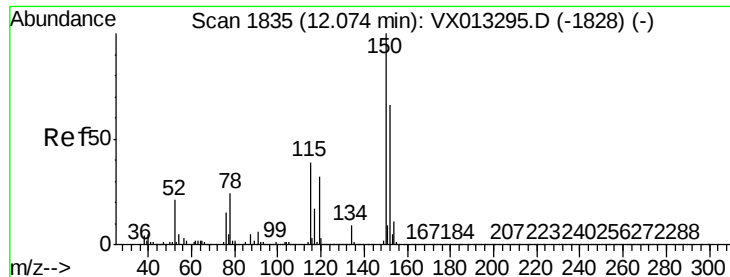
Tot Ion:117 Resp: 1011771
Ion Ratio Lower Upper
117 100
82 51.5 42.6 64.0
119 32.1 24.8 37.2



#71
Bromoform
Concen: 3.231 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

Tgt Ion:173 Resp: 214
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013585.D

Acq: 25 Nov 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20191121

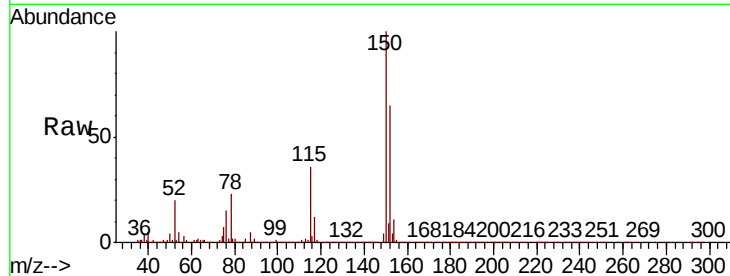
Tot Ion:152 Resp: 511909

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

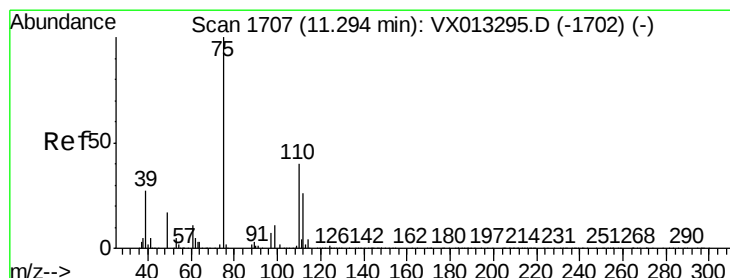
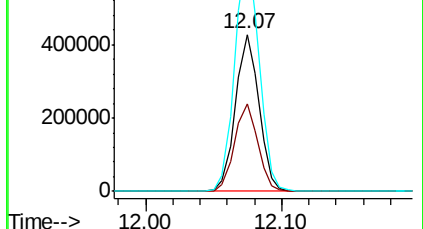
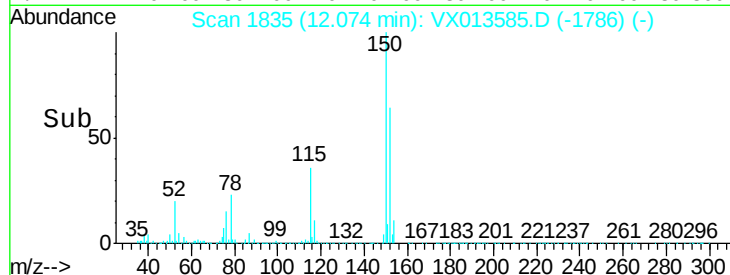
150 155.7 0.0 344.4



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: 22.513 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013585.D

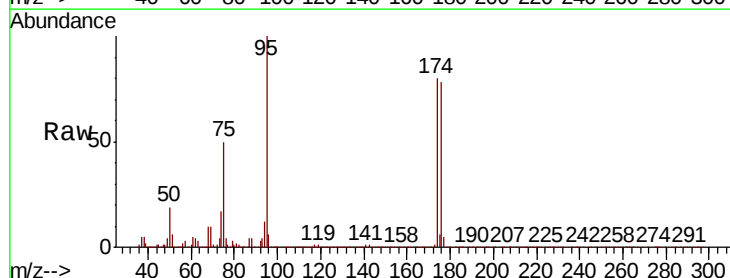
Acq: 25 Nov 2019 16:47

Tgt Ion: 75 Resp: 234084

Ion Ratio Lower Upper

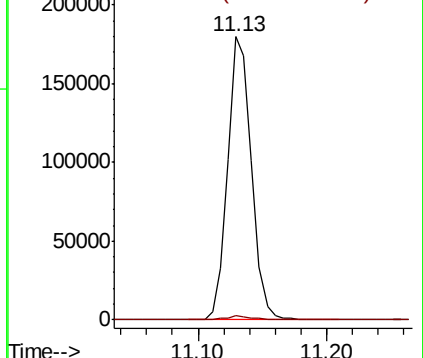
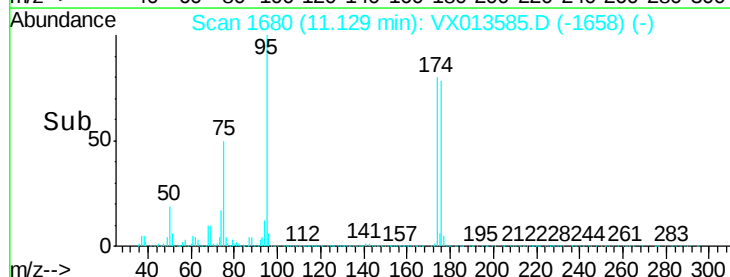
75 100

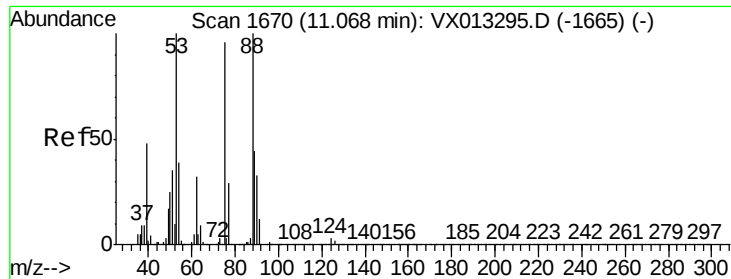
77 1.9 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

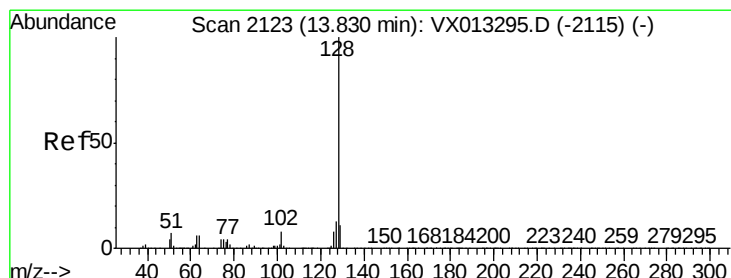
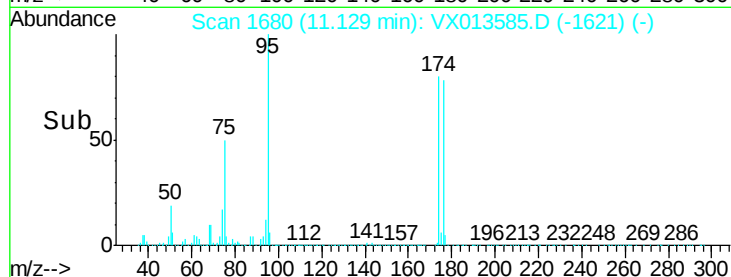
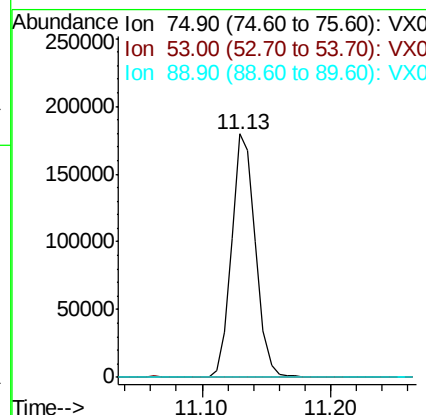
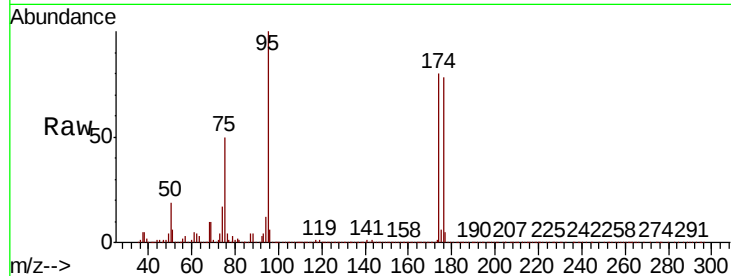




#81
trans-1,4-Dichloro-2-butene
Concen: 57.949 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20191121

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.6#
89	0.0	36.0	54.0#



#95
Naphthalene
Concen: 1.675 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013585.D
Acq: 25 Nov 2019 16:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.2
129	11.3	8.5	12.7

