

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX022720\
 Data File : VX015040.D
 Acq On : 27 Feb 2020 12:13
 Operator : JC/SP
 Sample : L1683-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20200225DL

Quant Time: Feb 27 15:48:28 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	429644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	687827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	658747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	330825	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	244723	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	5.49	113	207632	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.71	98	823913	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.14	95	303217	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

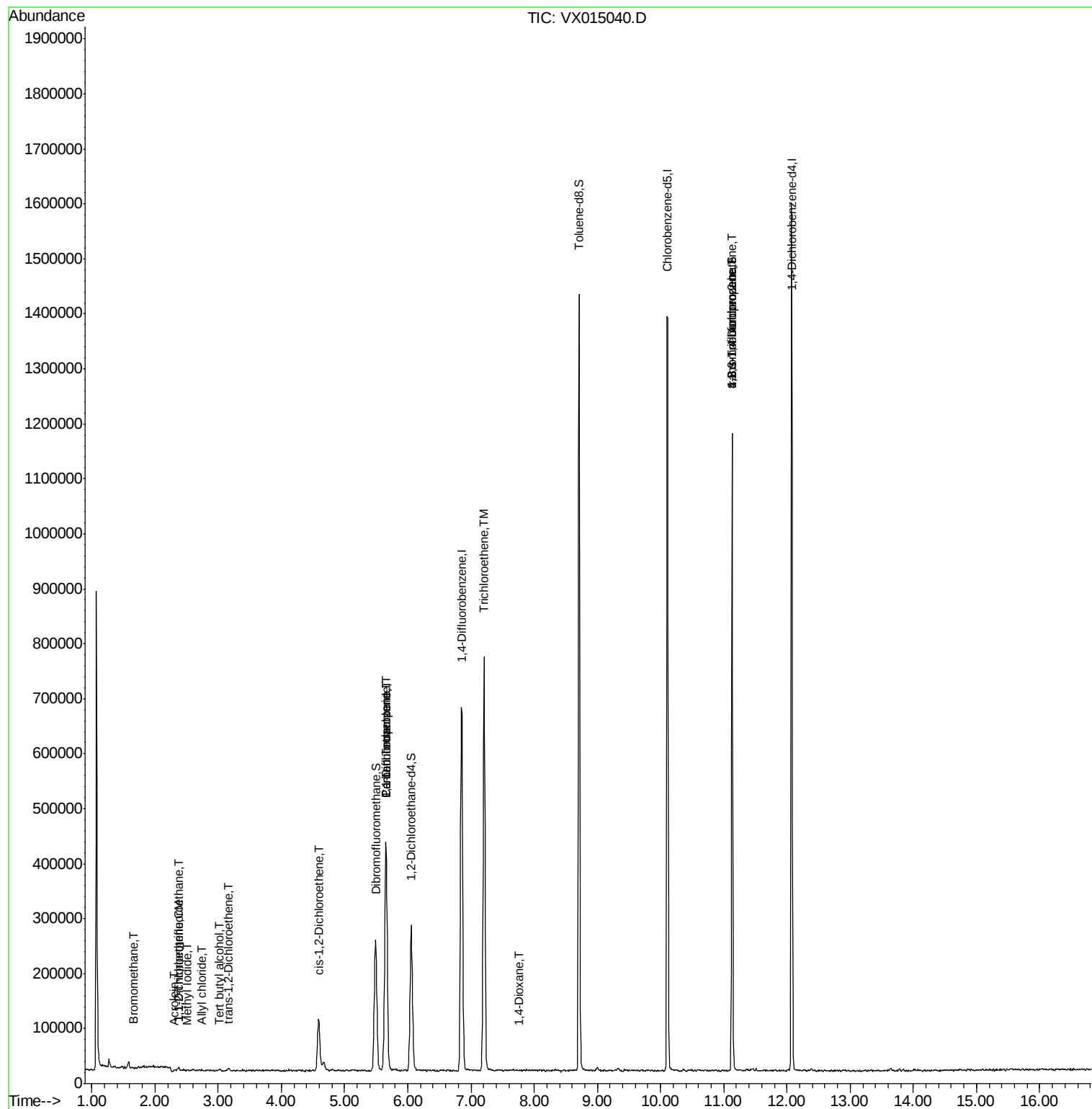
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1459	0.45	ug/l #	71
9) 1,1,2-Trichlorotrifluoroet	2.37	101	839	0.21	ug/l #	57
10) Methyl Iodide	2.51	142	970	4.57	ug/l #	4
11) Tert butyl alcohol	3.01	59	841	0.98	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	2136	0.54	ug/l #	81
13) Acrolein	2.30	56	289	0.44	ug/l	86
14) Allyl chloride	2.73	41	1403	0.20	ug/l #	72
16) Acetone	2.43	43	754	Below Cal	#	54
21) trans-1,2-Dichloroethene	3.17	96	2495	0.57	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	60785	12.51	ug/l	91
36) 1,1-Dichloropropene	5.65	75	28037	4.56	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37589	6.27	ug/l #	16
44) Trichloroethene	7.21	130	301269	56.45	ug/l	99
49) 1,4-Dioxane	7.75	88	169	1.73	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	147929	24.73	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	147929	63.29	ug/l #	11

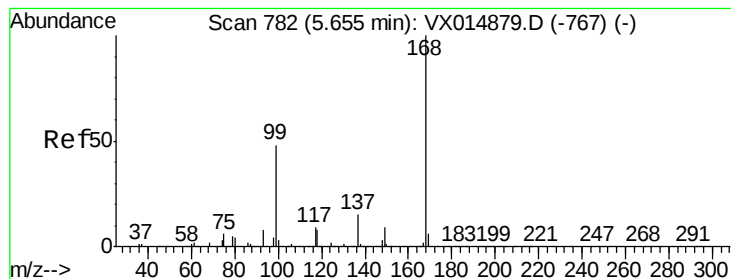
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
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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: VX015040.D

Acq: 27 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

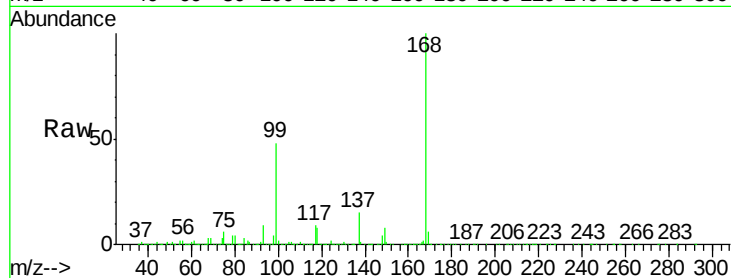
MH-140N-20200225DL

Tgt Ion:168 Resp: 429644

Ion Ratio Lower Upper

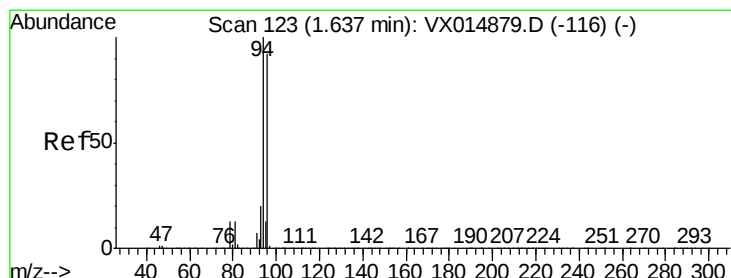
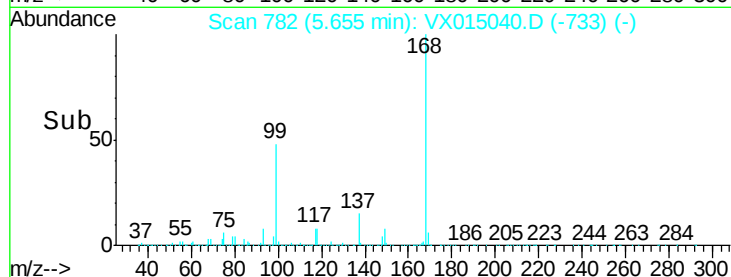
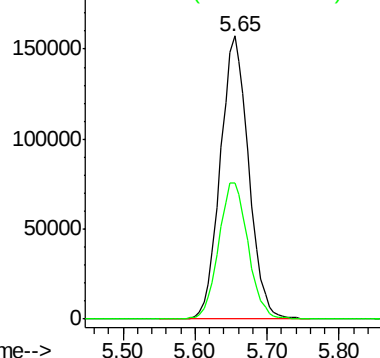
168 100

99 48.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.45 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015040.D

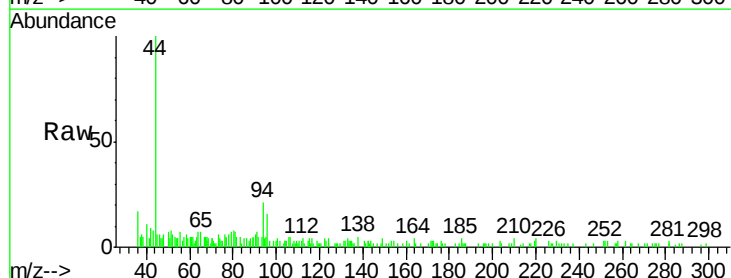
Acq: 27 Feb 2020 12:13

Tgt Ion: 94 Resp: 1459

Ion Ratio Lower Upper

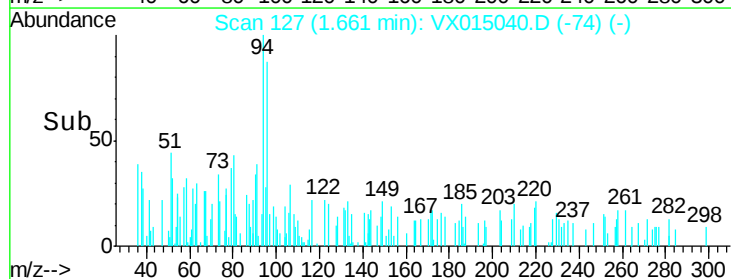
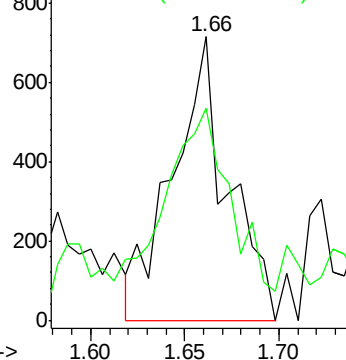
94 100

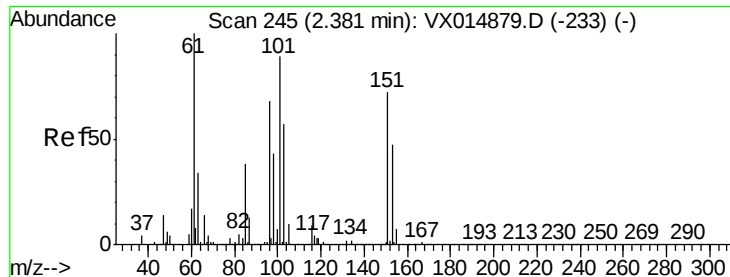
96 64.5 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.21 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20200225DL

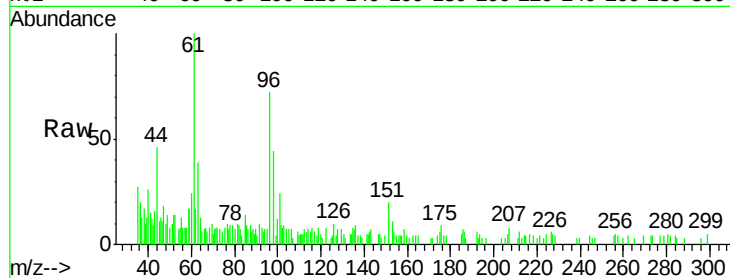
Tgt Ion:101 Resp: 839

Ion Ratio Lower Upper

101 100

85 83.4 34.1 51.1#

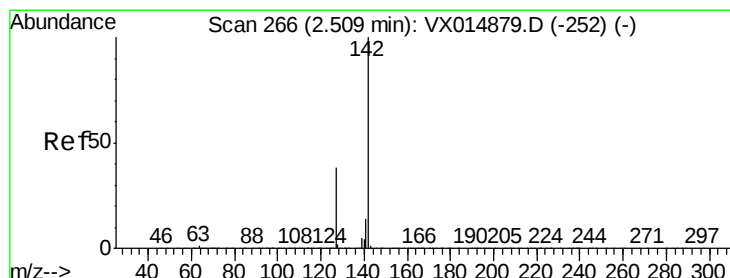
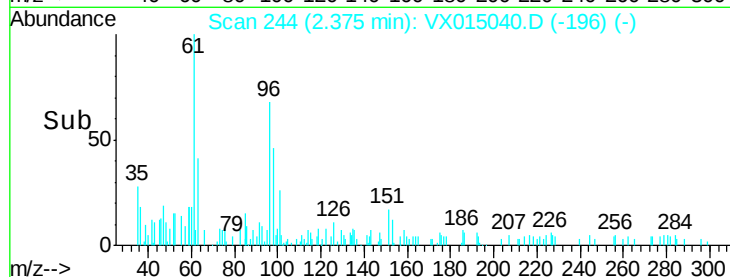
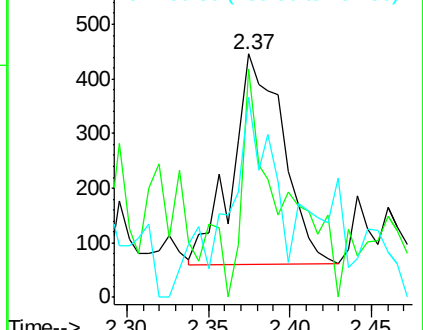
151 54.4 67.3 100.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.57 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

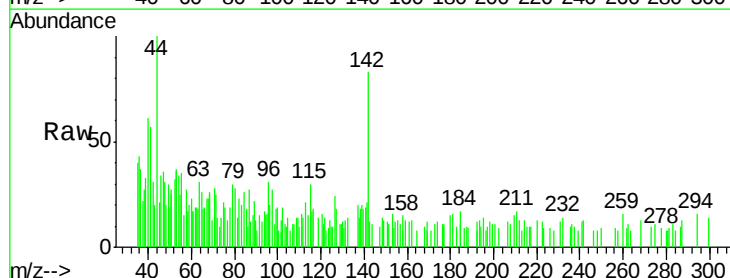
Tgt Ion:142 Resp: 970

Ion Ratio Lower Upper

142 100

127 93.0 31.1 46.7#

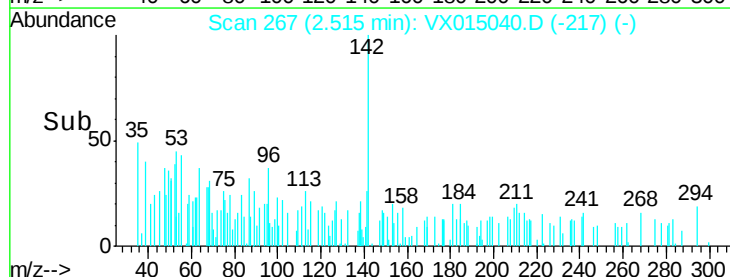
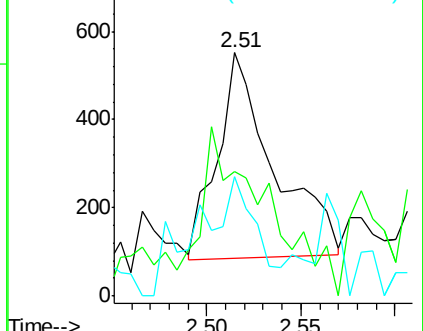
141 62.1 11.3 16.9#

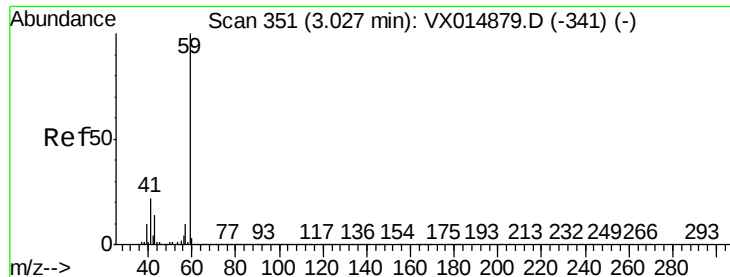


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



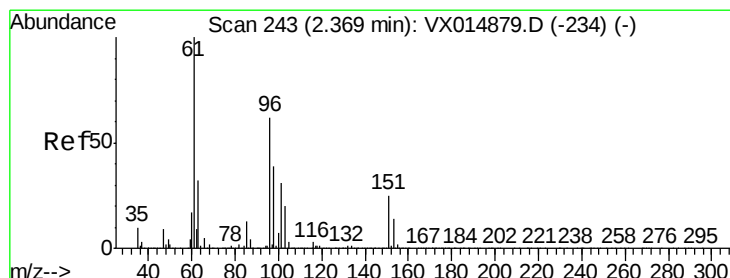
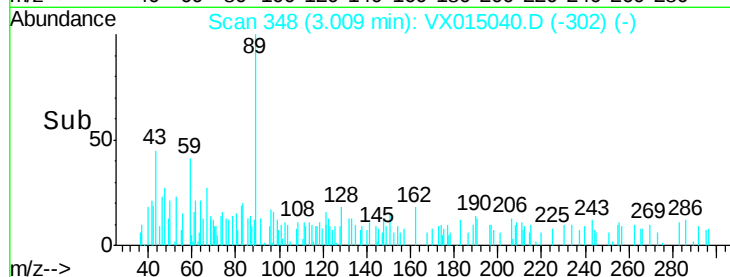
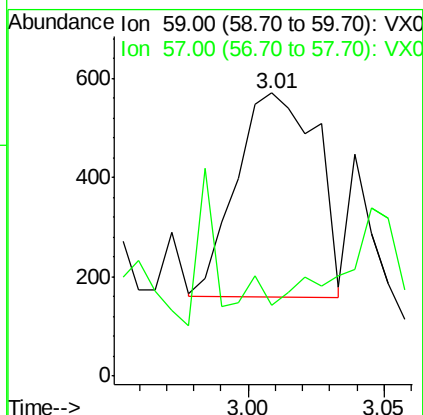
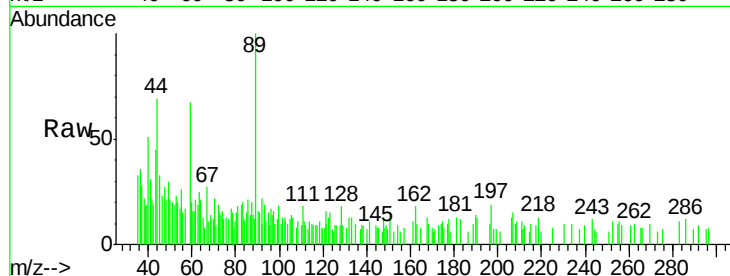


#11

Tert butyl alcohol
Concen: 0.98 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20200225DL

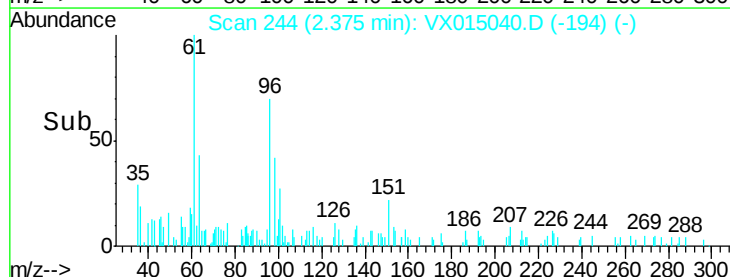
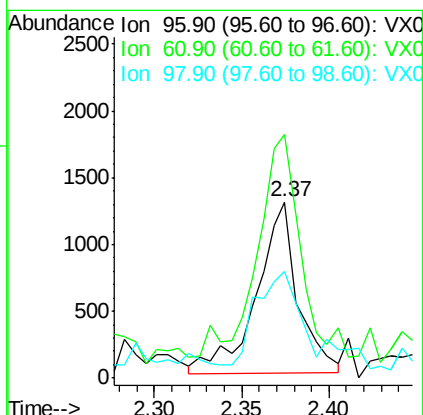
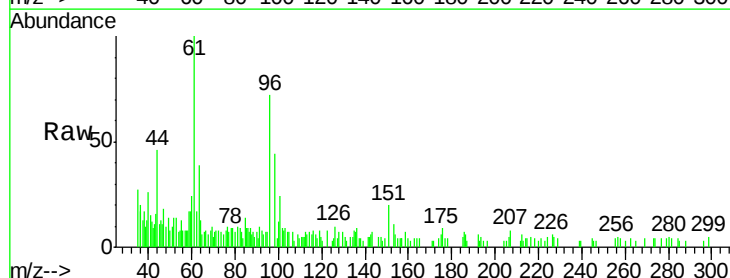
Tgt Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

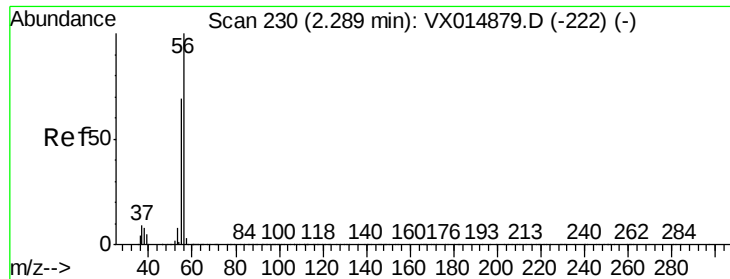


#12

1,1-Dichloroethene
Concen: 0.54 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

Tgt Ion: 96 Resp: 2136
Ion Ratio Lower Upper
96 100
61 136.4 129.5 194.3
98 49.6 50.6 76.0#





#13

Acrolein

Concen: 0.44 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

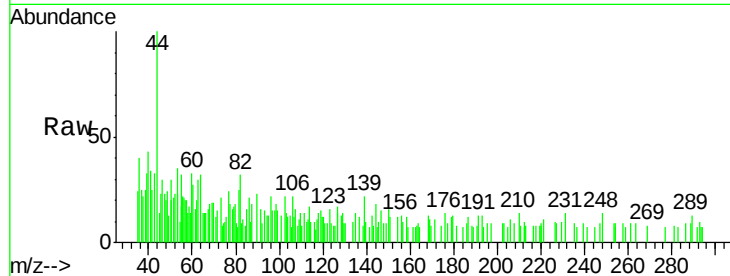
MH-140N-20200225DL

Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

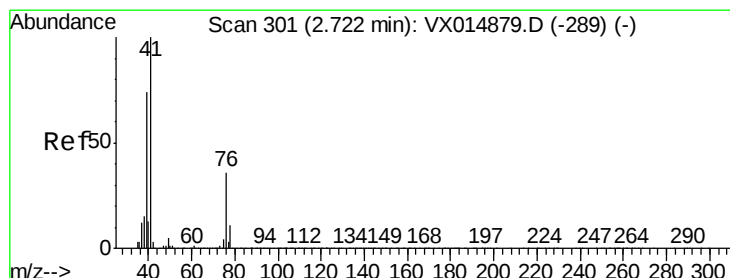
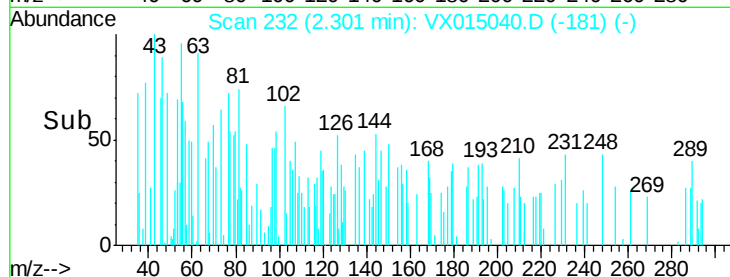
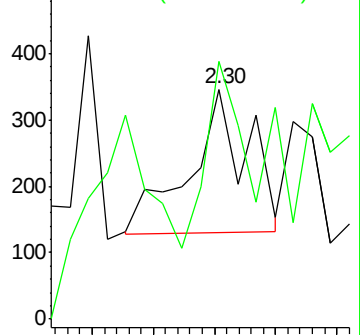
56 100

55 79.9 55.0 82.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.20 ug/l

RT: 2.73 min Scan# 303

Delta R.T. 0.01 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

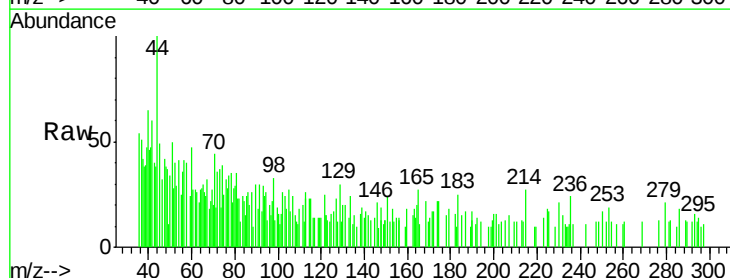
Tgt Ion: 41 Resp: 1403

Ion Ratio Lower Upper

41 100

39 45.9 55.2 82.8#

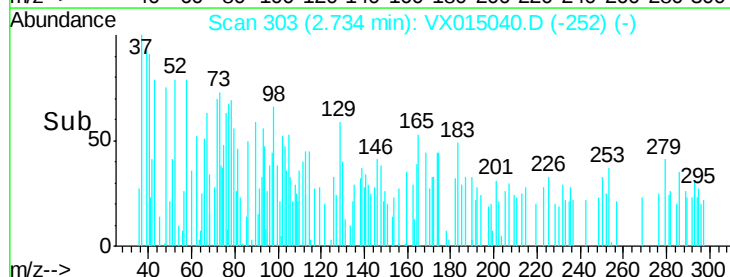
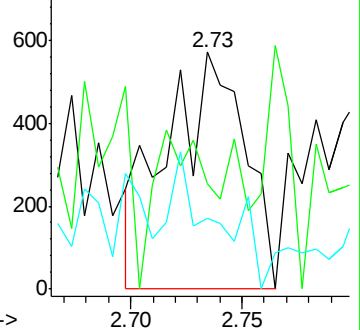
76 17.7 26.8 40.2#

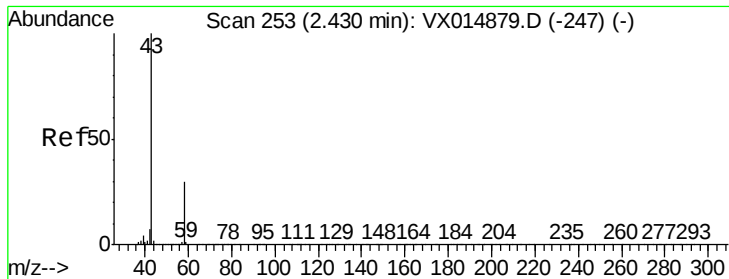


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

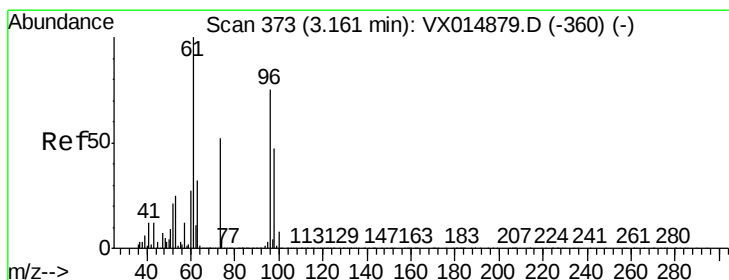
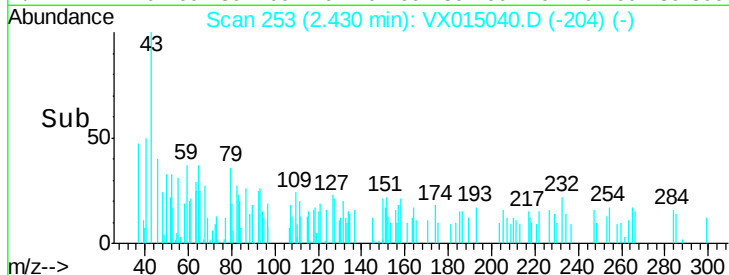
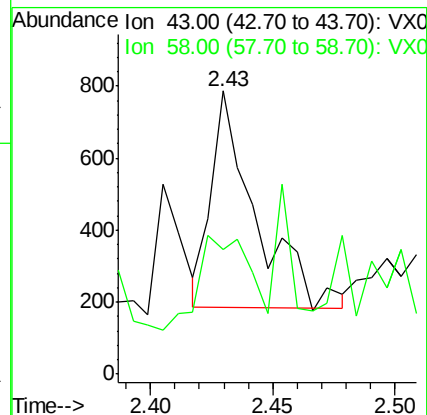
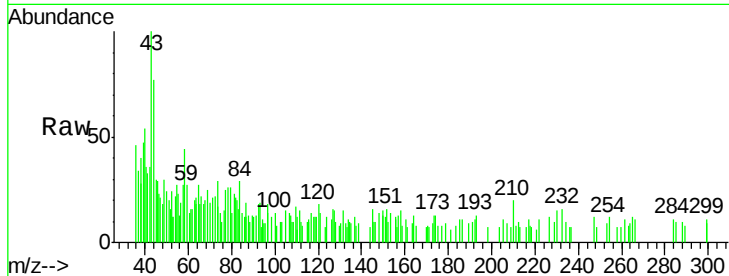




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

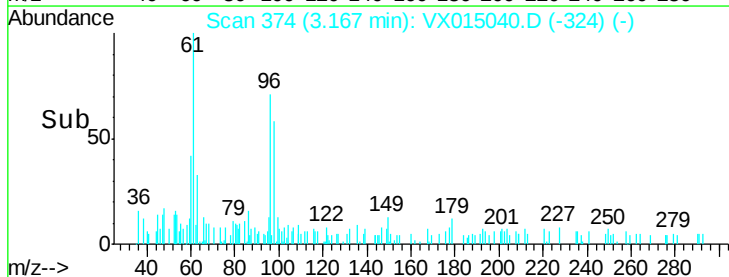
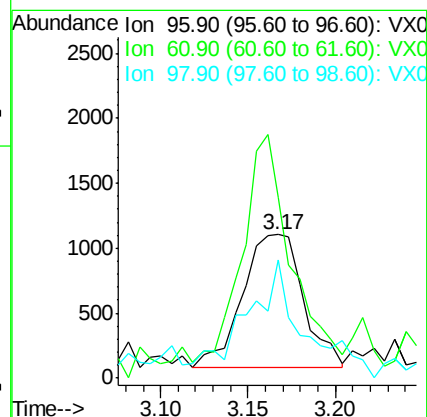
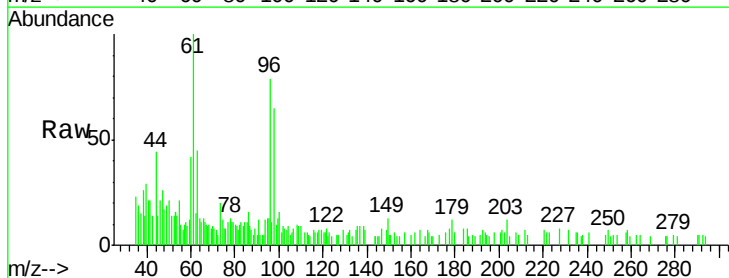
Instrument :
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MH-140N-20200225DL

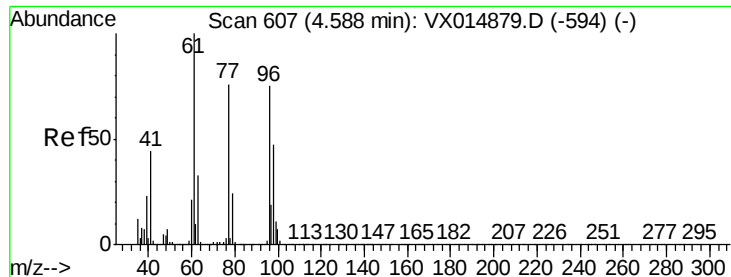
Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
58 5.3 24.1 36.1#



#21
trans-1,2-Dichloroethene
Concen: 0.57 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

Tgt Ion: 96 Resp: 2495
Ion Ratio Lower Upper
96 100
61 123.4 106.9 160.3
98 77.0 50.7 76.1#



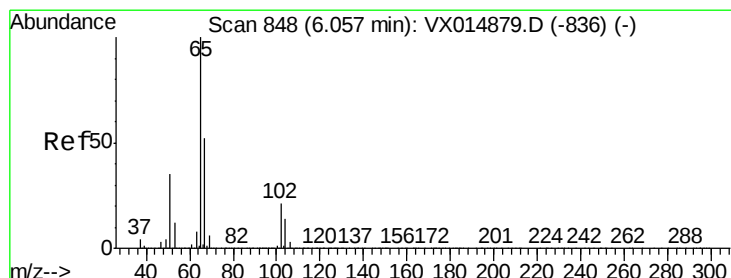
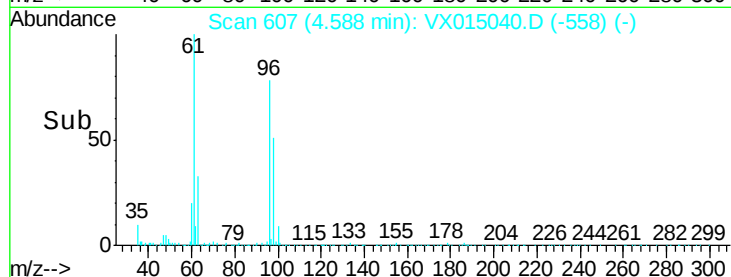
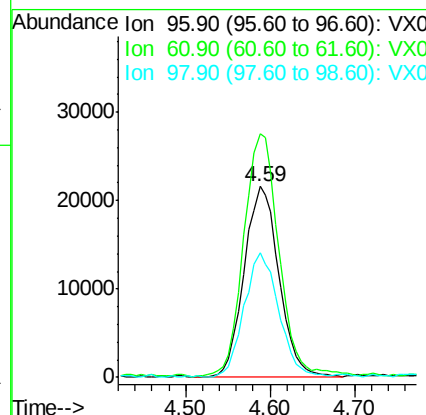
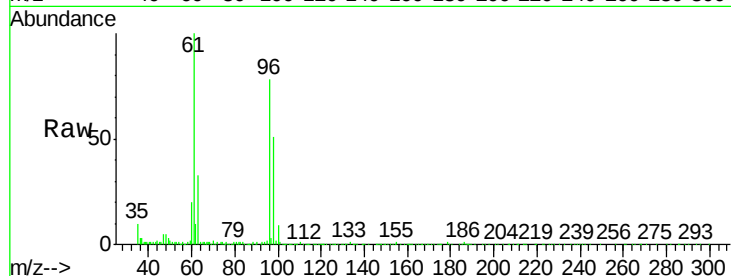


#27

cis-1,2-Dichloroethene
Concen: 12.51 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20200225DL

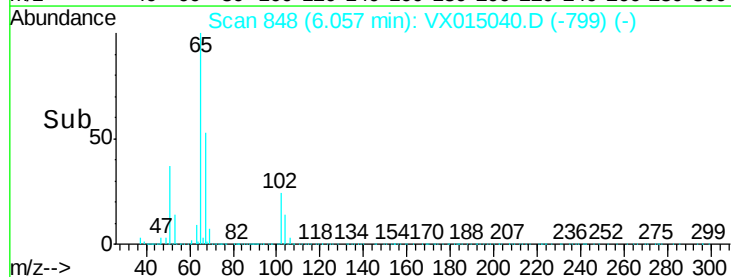
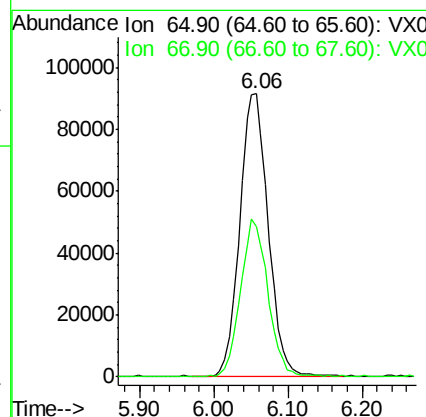
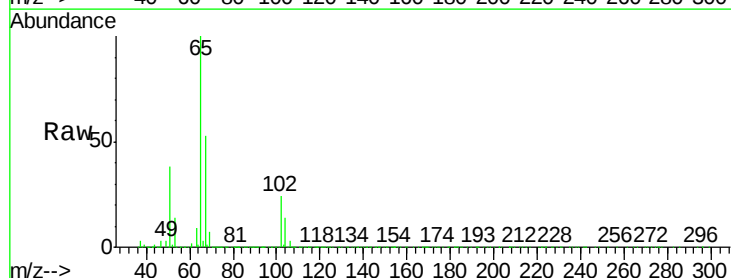
Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	286.2
98	63.5	0.0	131.0

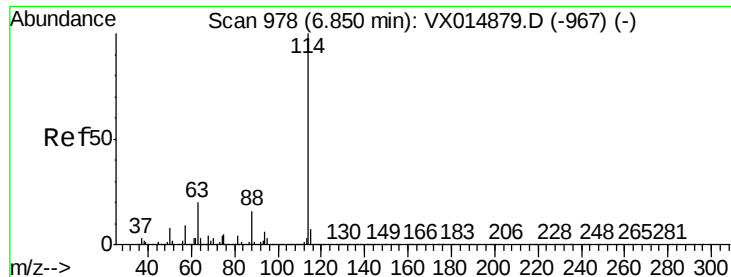


#33

1,2-Dichloroethane-d4
Concen: 50.47 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.0	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: VX015040.D

Acq: 27 Feb 2020 12:13

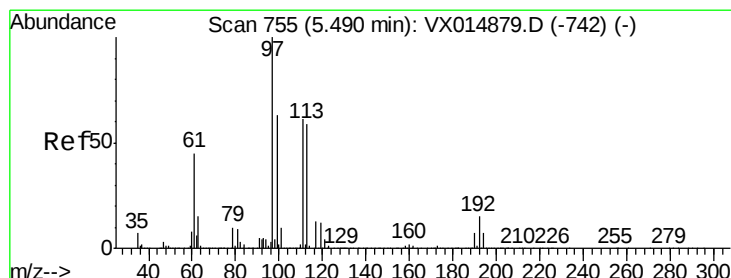
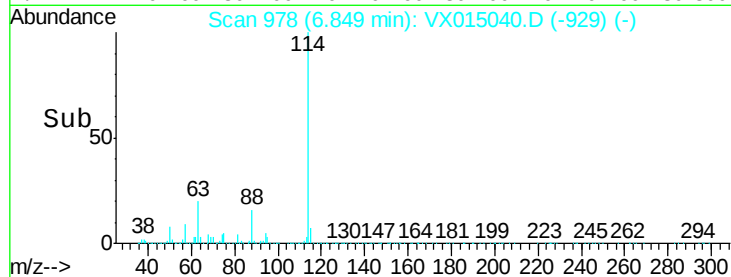
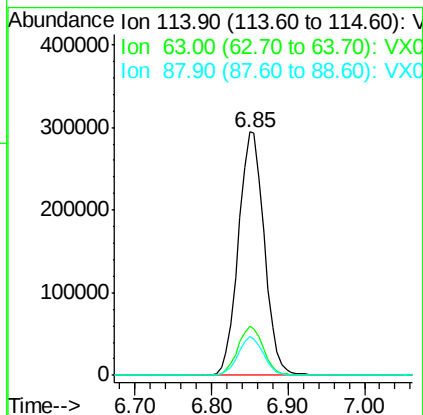
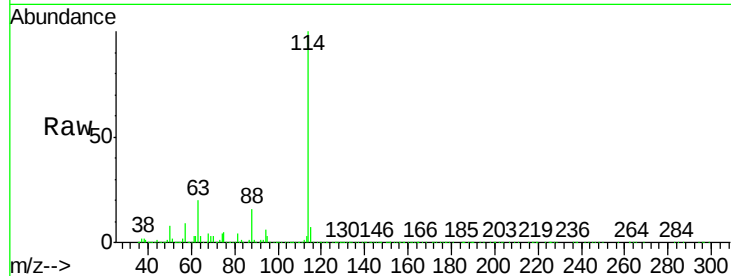
Instrument :

MSVOA_X

ClientSampleId :

MH-140N-20200225DL

Tgt Ion:	114	Resp:	687827
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.2
88	15.9	0.0	32.0



#35

Dibromofluoromethane

Concen: 49.10 ug/l

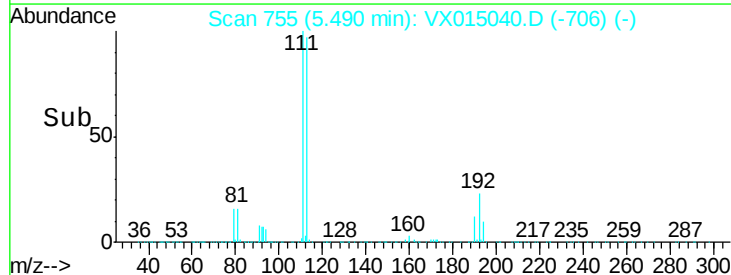
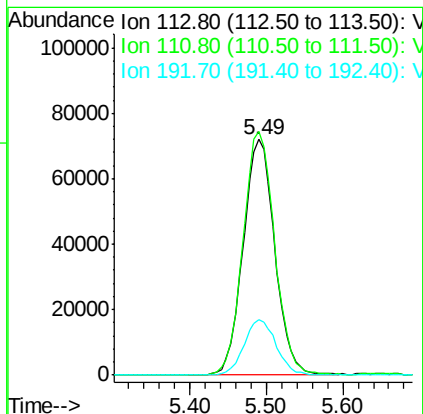
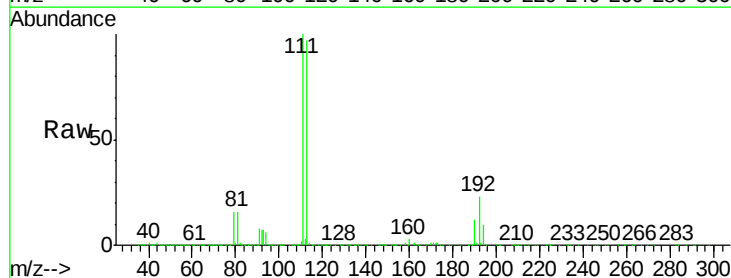
RT: 5.49 min Scan# 755

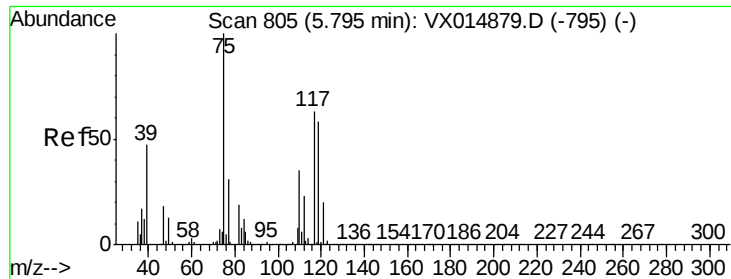
Delta R.T. -0.00 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

Tgt Ion:	113	Resp:	207632
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	23.8	19.1	28.7

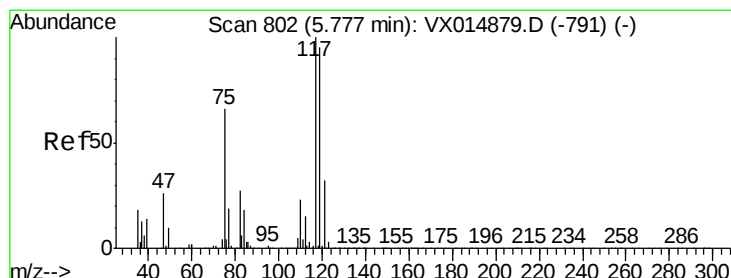
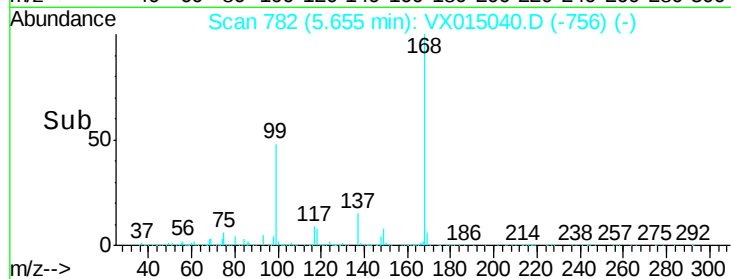
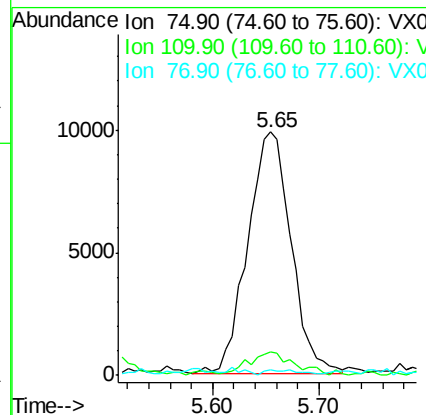
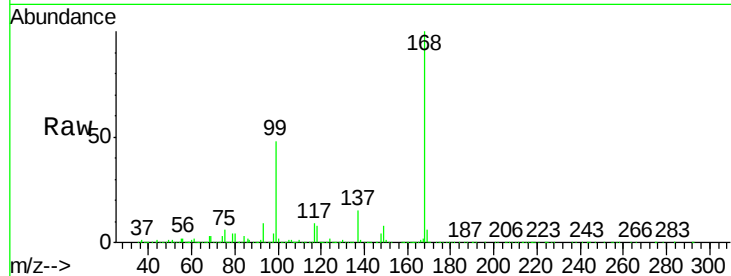




#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015040.D
 Acq: 27 Feb 2020 12:13

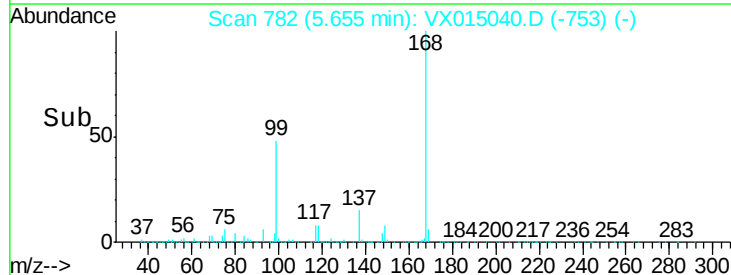
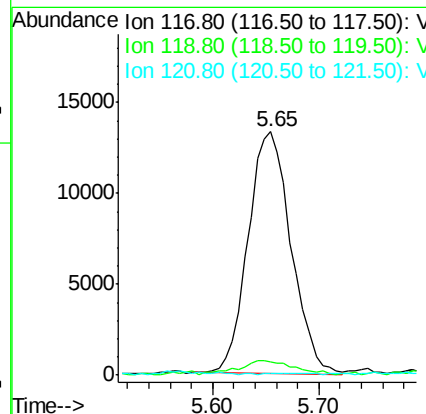
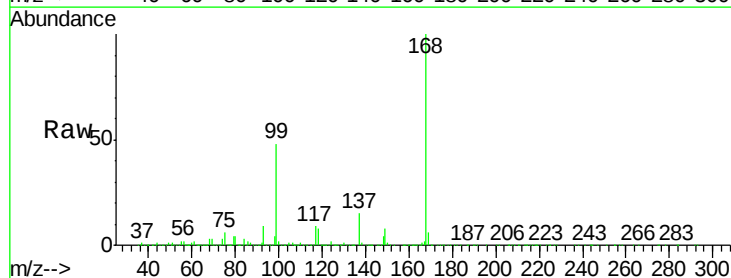
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20200225DL

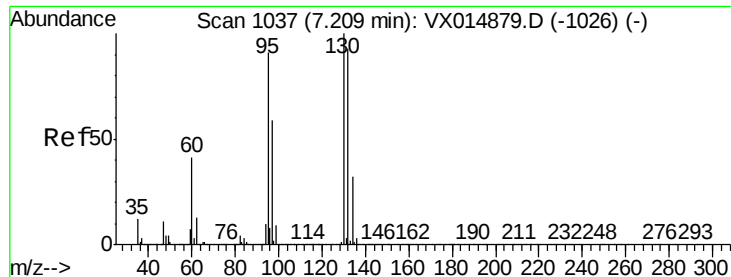
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.8#
77	1.9	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.27 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015040.D
 Acq: 27 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.1	25.4	38.2#

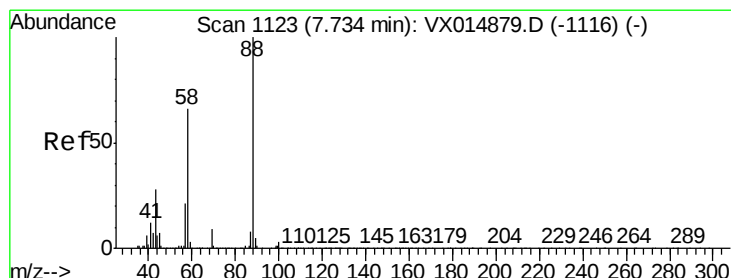
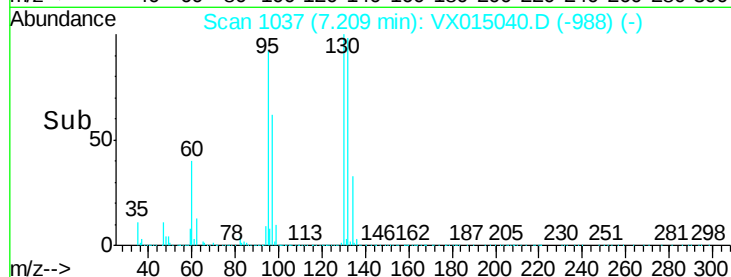
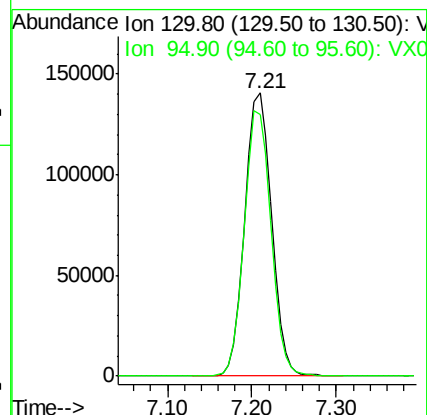
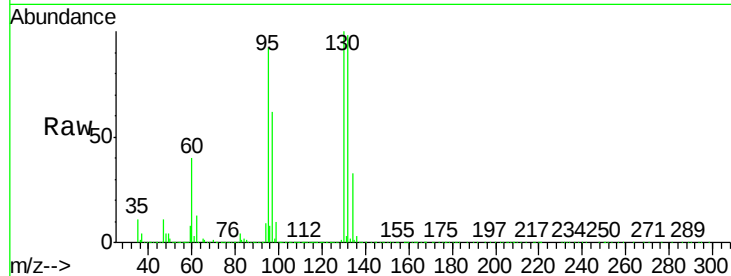




#44
 Trichloroethene
 Concen: 56.45 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX015040.D
 Acq: 27 Feb 2020 12:13

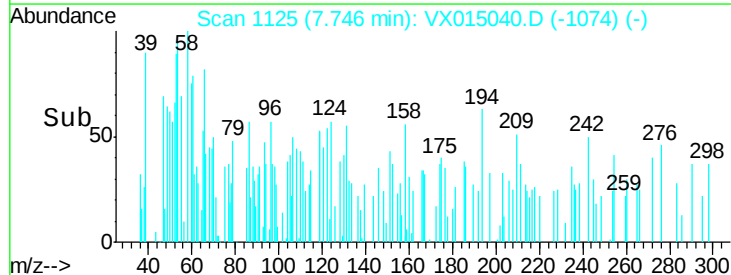
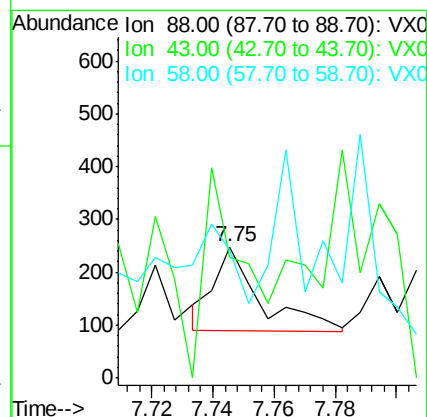
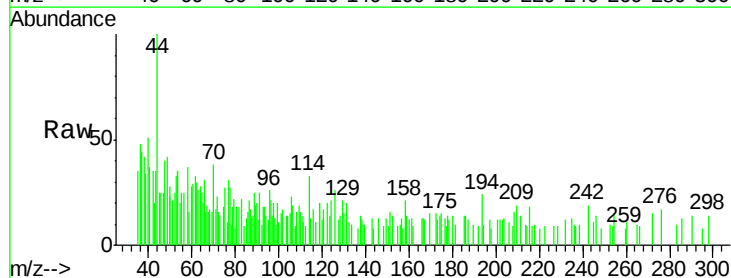
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20200225DL

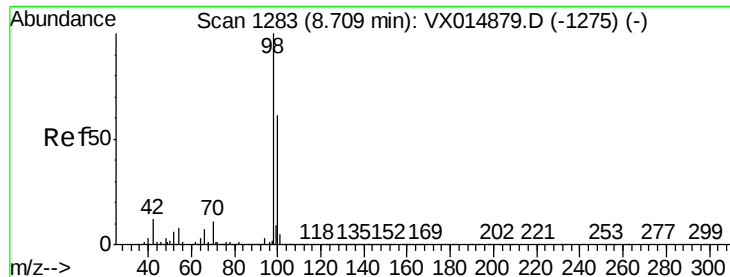
Tgt Ion: 130 Resp: 301269
 Ion Ratio Lower Upper
 130 100
 95 92.4 0.0 182.6



#49
 1,4-Dioxane
 Concen: 1.73 ug/l
 RT: 7.75 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VX015040.D
 Acq: 27 Feb 2020 12:13

Tgt Ion: 88 Resp: 169
 Ion Ratio Lower Upper
 88 100
 43 213.0 27.0 40.4#
 58 143.2 53.2 79.8#





#50

Toluene-d8

Concen: 51.04 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

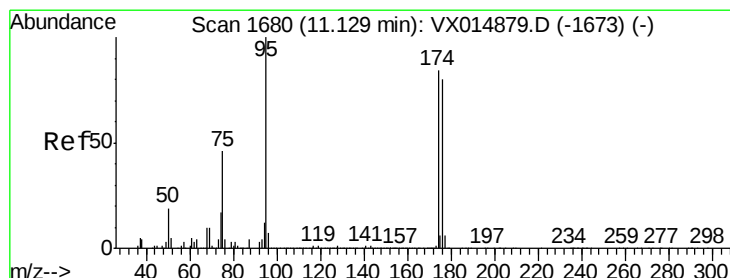
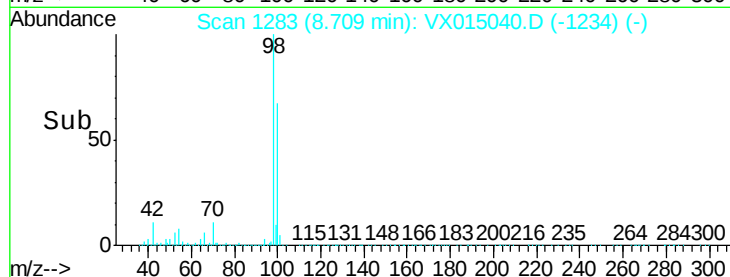
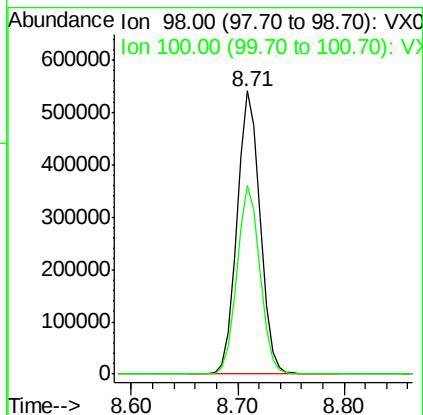
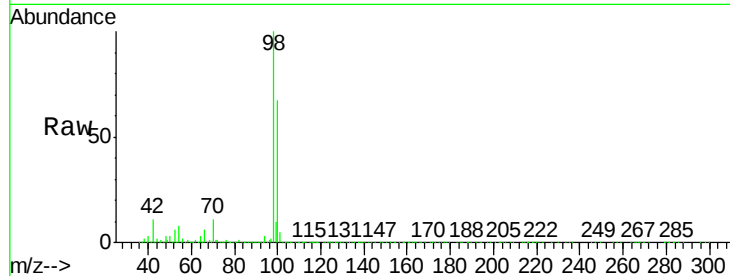
MH-140N-20200225DL

Tgt Ion: 98 Resp: 823913

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.15 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015040.D

Acq: 27 Feb 2020 12:13

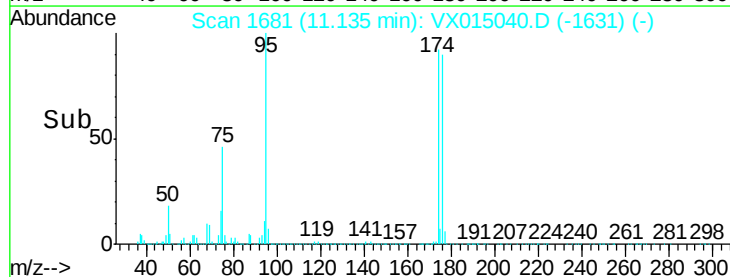
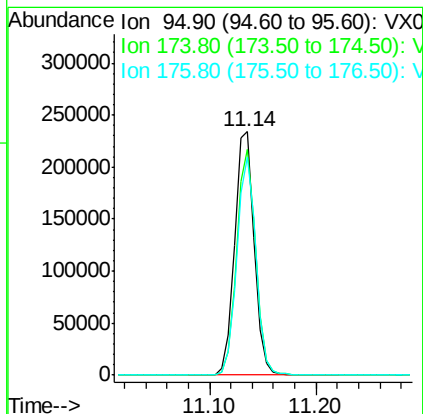
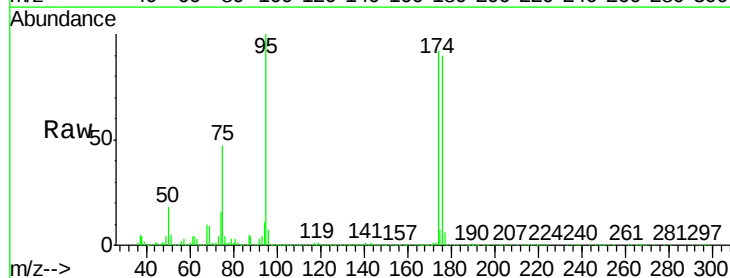
Tgt Ion: 95 Resp: 303217

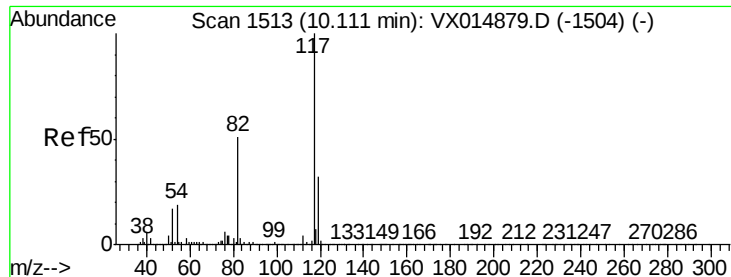
Ion Ratio Lower Upper

95 100

174 89.8 0.0 183.0

176 87.0 0.0 178.0

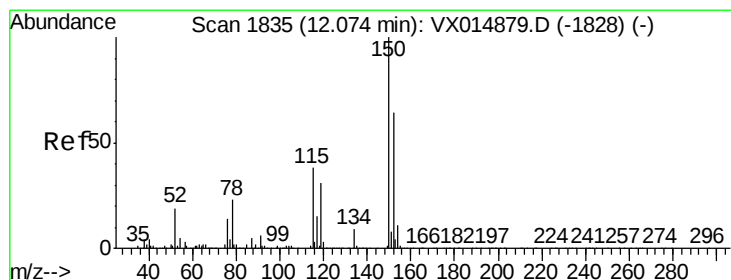
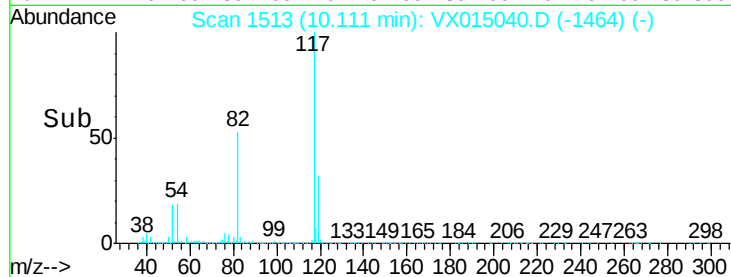
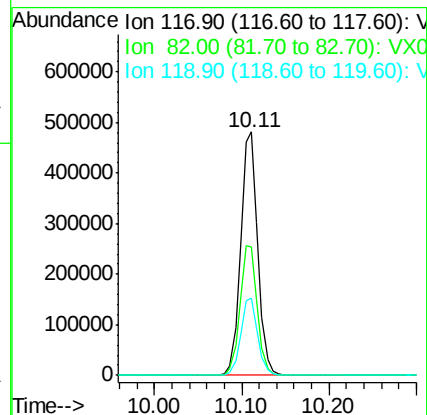
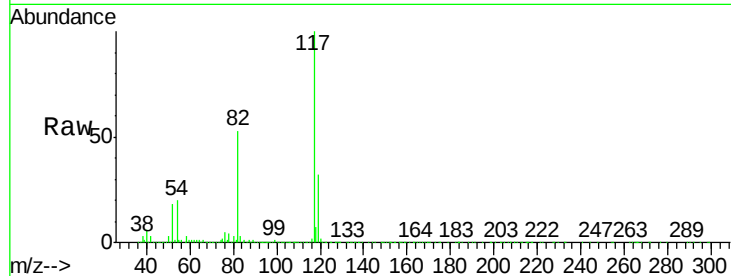




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

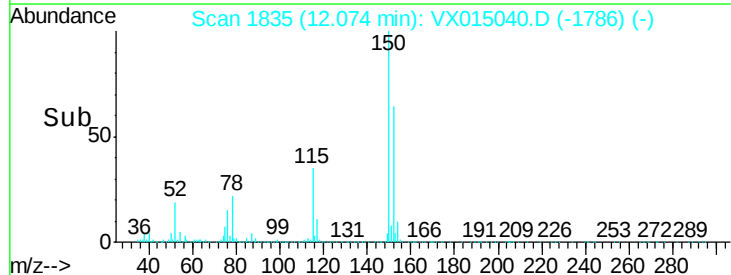
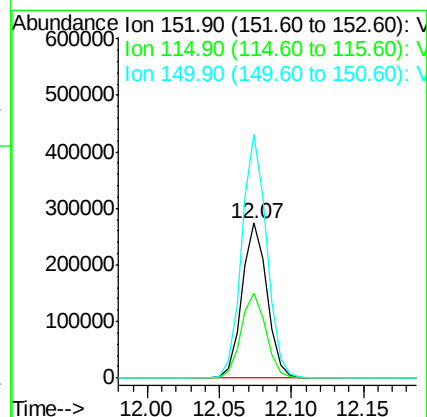
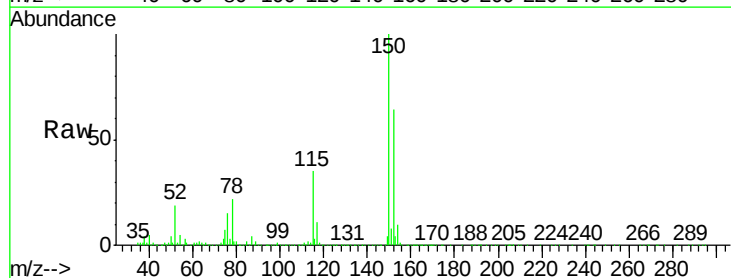
Instrument :
MSVOA_X
ClientSampleId :
MH-140N-20200225DL

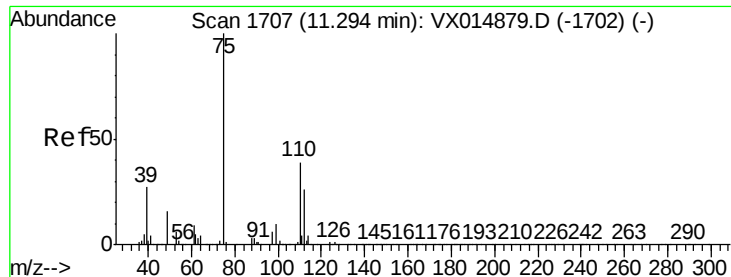
Tgt Ion:117 Resp: 658747
Ion Ratio Lower Upper
117 100
82 52.6 40.5 60.7
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015040.D
Acq: 27 Feb 2020 12:13

Tgt Ion:152 Resp: 330825
Ion Ratio Lower Upper
152 100
115 54.8 38.6 116.0
150 155.7 0.0 349.0

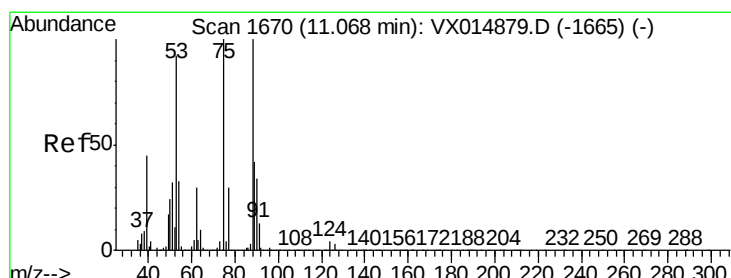
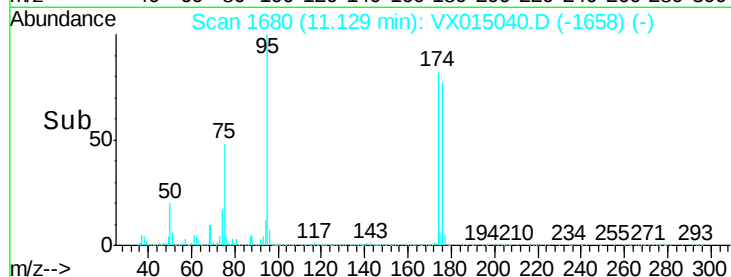
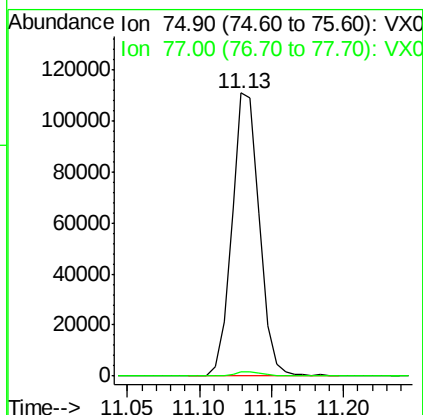
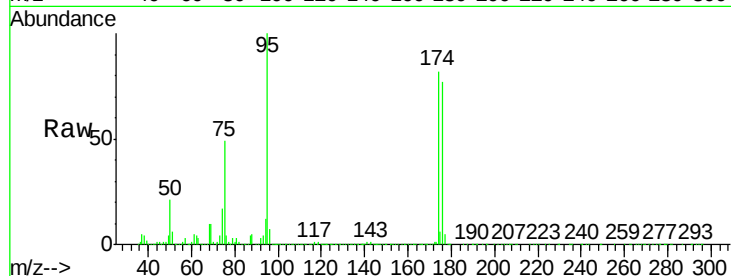




#76
 1,2,3-Trichloropropane
 Concen: 24.73 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015040.D
 Acq: 27 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140N-20200225DL

Tgt Ion: 75 Resp: 147929
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.4 55.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.29 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015040.D
 Acq: 27 Feb 2020 12:13

Tgt Ion: 75 Resp: 147929
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 35.8 53.6#

