

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX022620\
 Data File : VX015020.D
 Acq On : 26 Feb 2020 14:59
 Operator : JC/SP
 Sample : L1683-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-140B-20200225

Quant Time: Feb 26 15:21:15 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	5.66	168	425757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	666800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	637129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	236178	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	5.49	113	203980	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	8.71	98	803136	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.14	95	296812	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

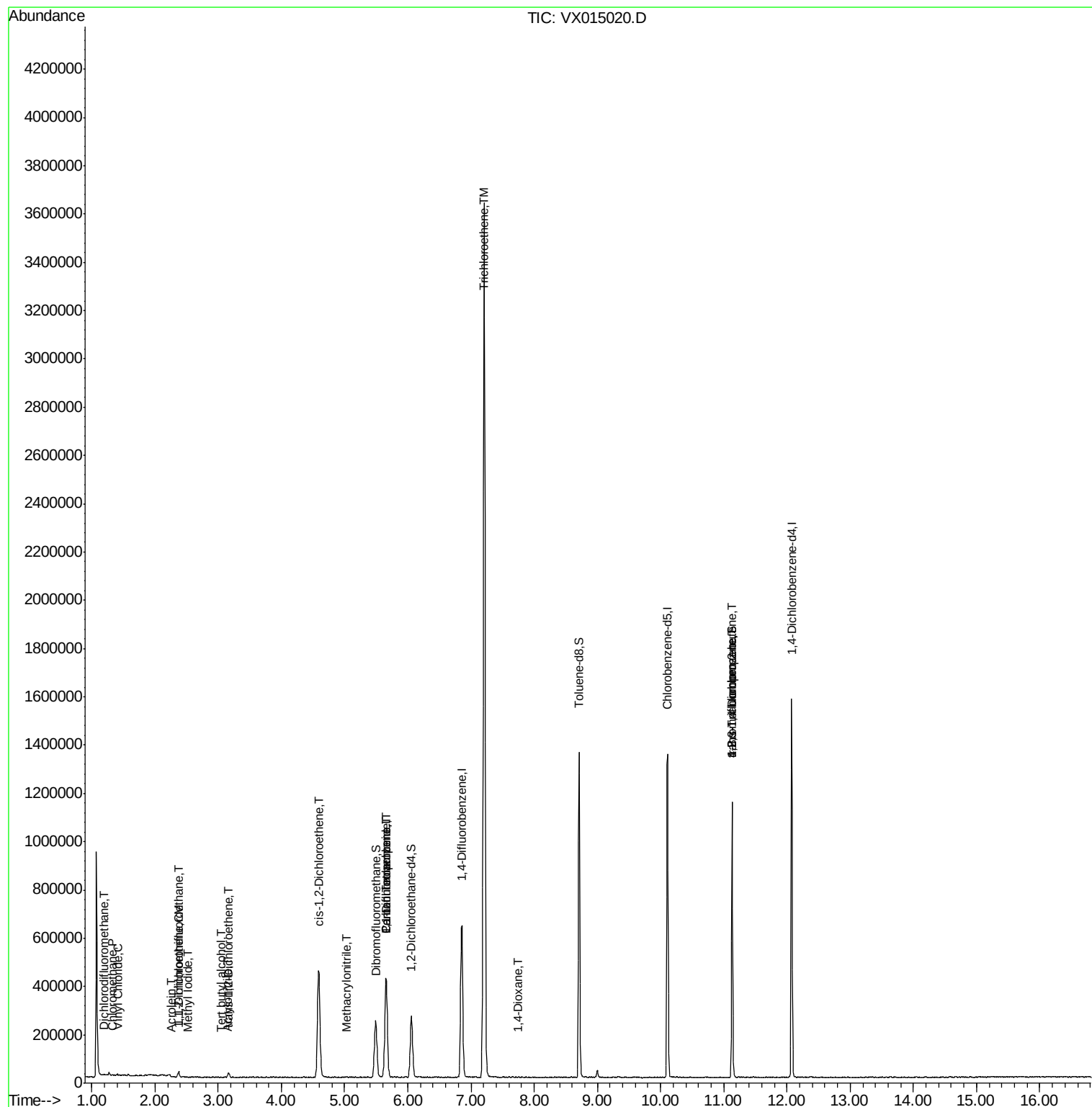
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	2397	0.59	ug/l	96
3) Chloromethane	1.32	50	2057	0.45	ug/l	99
4) Vinyl Chloride	1.41	62	3997	0.81	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2788	0.70	ug/l #	88
10) Methyl Iodide	2.51	142	647	4.50	ug/l #	79
11) Tert butyl alcohol	3.04	59	308	0.36	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	7859	2.01	ug/l	94
13) Acrolein	2.26	56	578	0.89	ug/l #	83
15) Acrylonitrile	3.14	53	596	0.28	ug/l #	32
16) Acetone	2.43	43	4362	Below Cal	#	77
21) trans-1,2-Dichloroethene	3.16	96	9234	2.14	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	293065	60.88	ug/l	89
36) 1,1-Dichloropropene	5.66	75	28748	4.82	ug/l #	52
38) Carbon Tetrachloride	5.66	117	36573	6.29	ug/l #	16
41) Methacrylonitrile	5.03	41	760	0.23	ug/l #	68
44) Trichloroethene	7.21	130	1388503	268.38	ug/l	99
49) 1,4-Dioxane	7.75	88	100	1.06	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	143334	23.92	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	143334	61.23	ug/l #	12

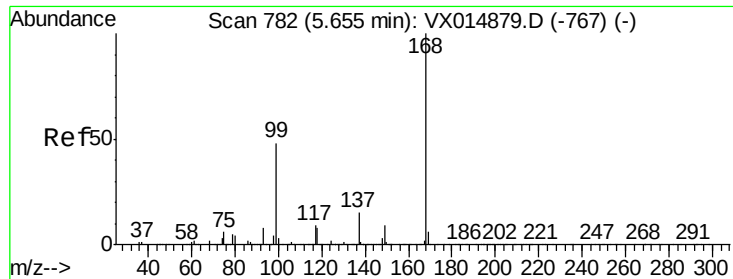
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.01 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

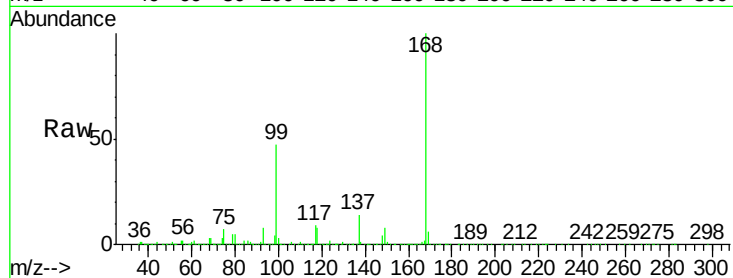
MH-140B-20200225

Tgt Ion:168 Resp: 425757

Ion Ratio Lower Upper

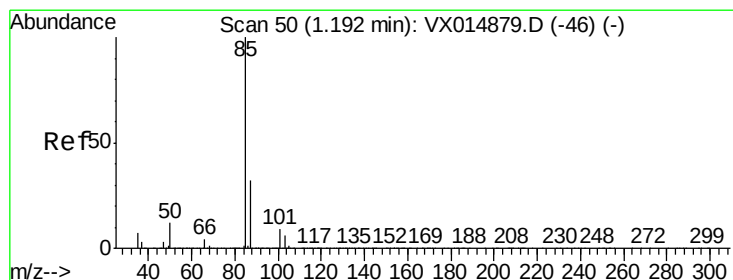
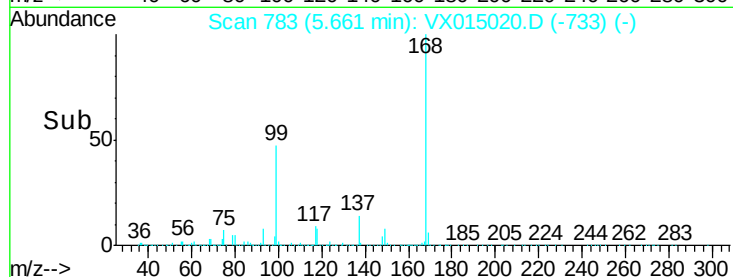
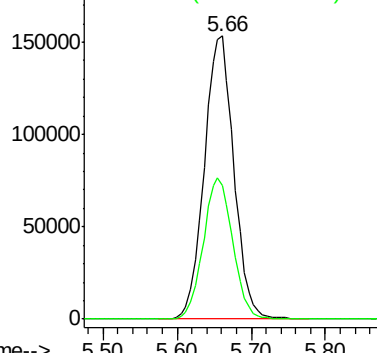
168 100

99 47.0 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.59 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015020.D

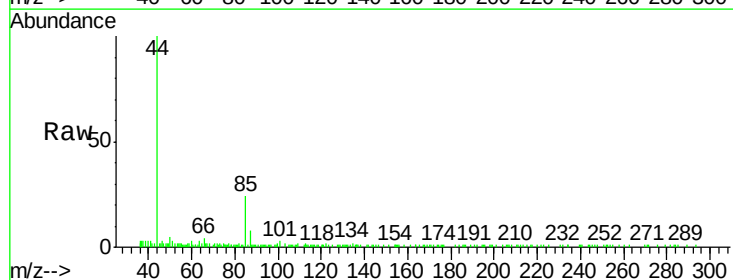
Acq: 26 Feb 2020 14:59

Tgt Ion: 85 Resp: 2397

Ion Ratio Lower Upper

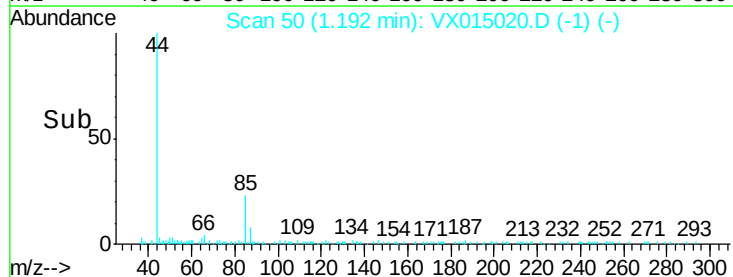
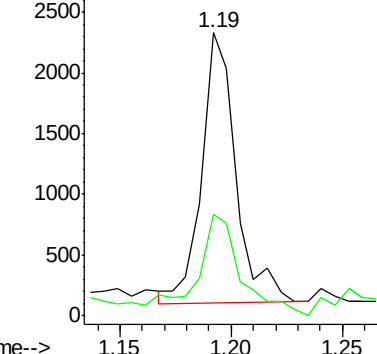
85 100

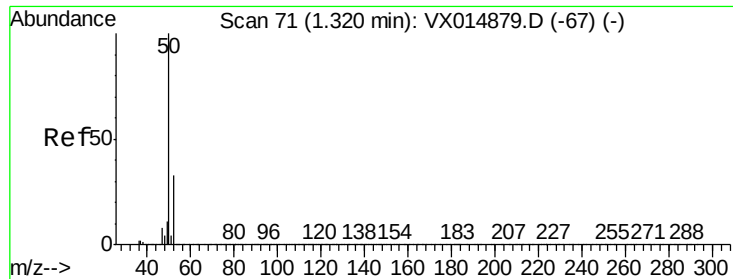
87 34.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

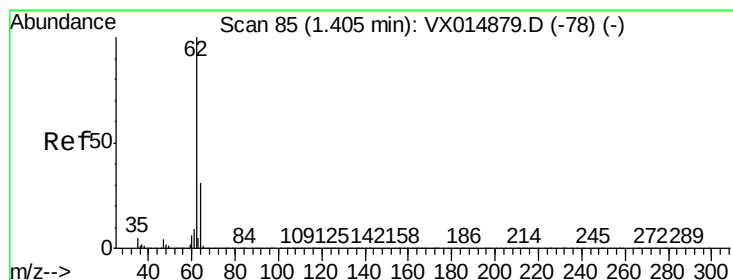
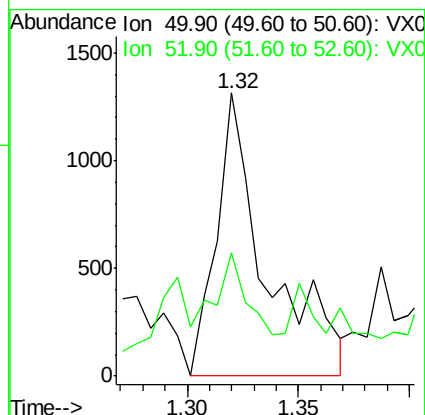
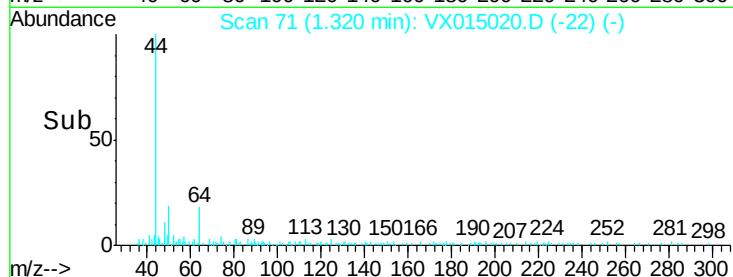
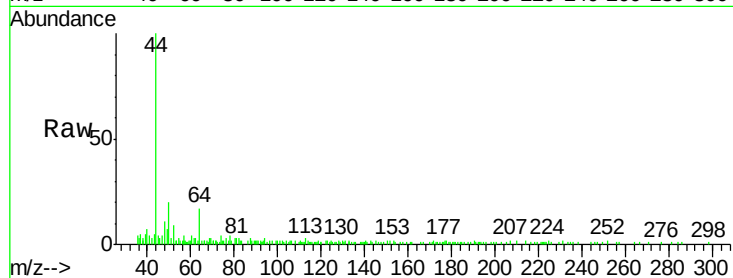




#3
Chloromethane
Concen: 0.45 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

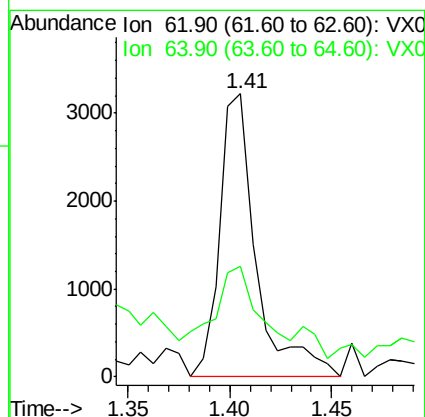
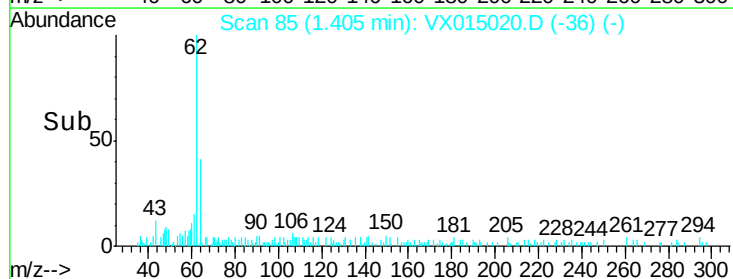
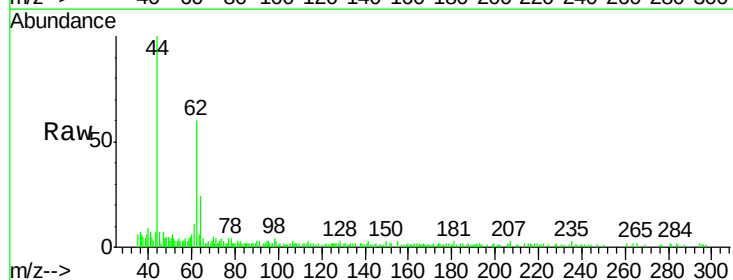
Instrument :
MSVOA_Y
ClientSampleId :
MH-140B-20200225

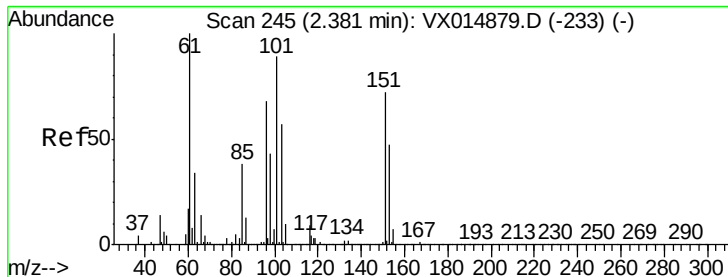
Tgt Ion: 50 Resp: 2057
Ion Ratio Lower Upper
50 100
52 32.1 26.2 39.2



#4
Vinyl Chloride
Concen: 0.81 ug/l
RT: 1.41 min Scan# 85
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion: 62 Resp: 3997
Ion Ratio Lower Upper
62 100
64 28.9 24.8 37.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.70 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.01 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

MH-140B-20200225

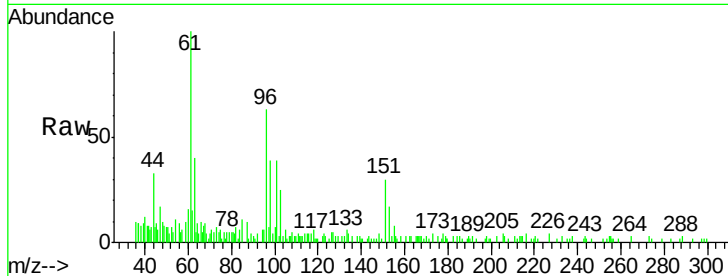
Tgt Ion:101 Resp: 2788

Ion Ratio Lower Upper

101 100

85 55.3 34.1 51.1#

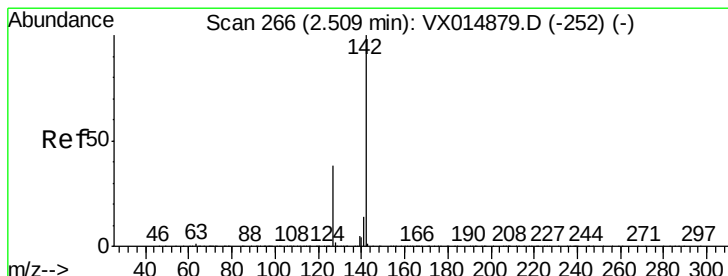
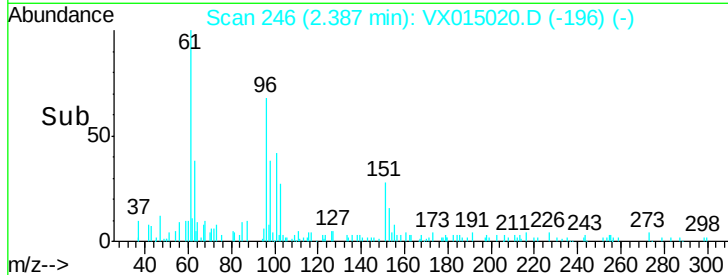
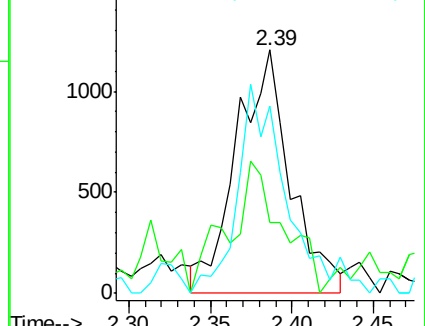
151 77.3 67.3 100.9



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: 4.50 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

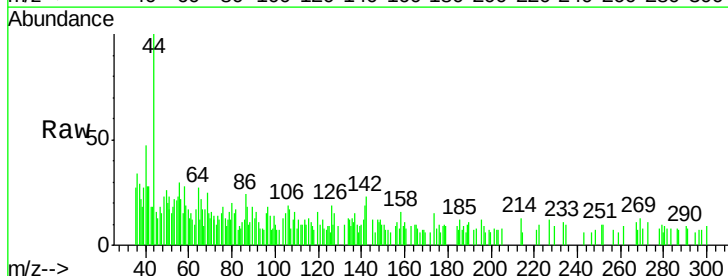
Tgt Ion:142 Resp: 647

Ion Ratio Lower Upper

142 100

127 43.3 31.1 46.7

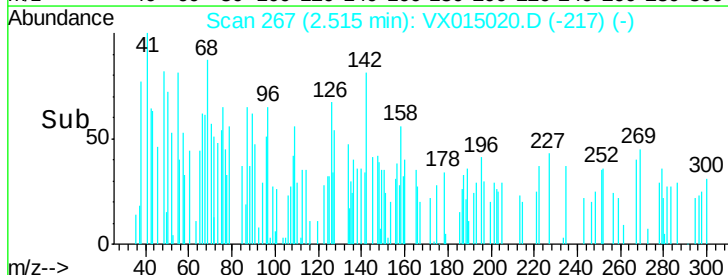
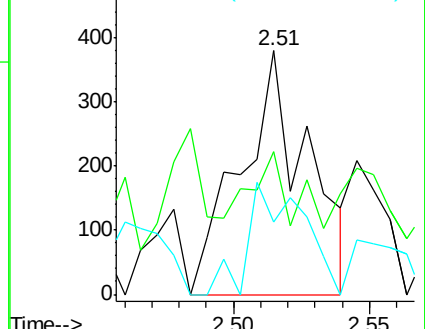
141 37.9 11.3 16.9#

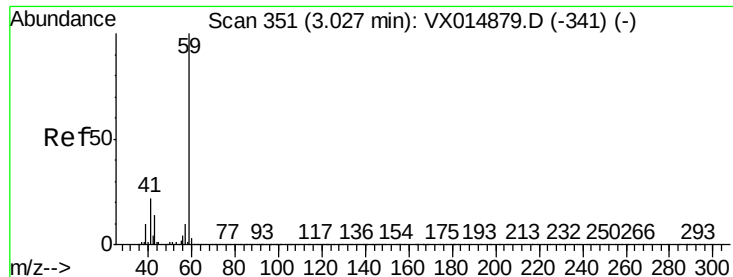


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



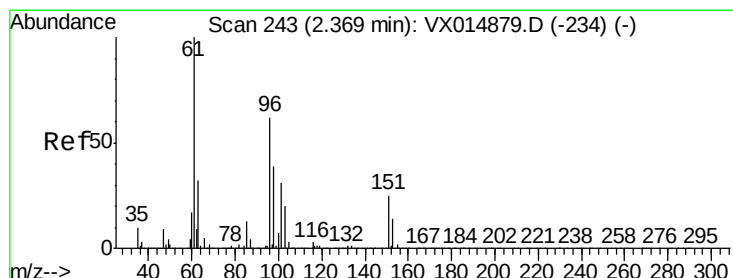
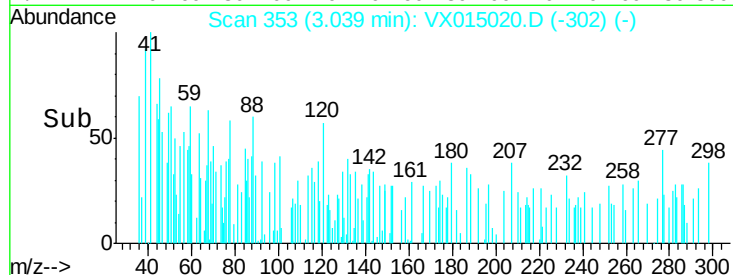
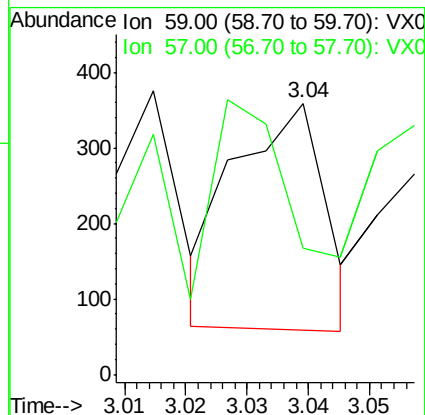
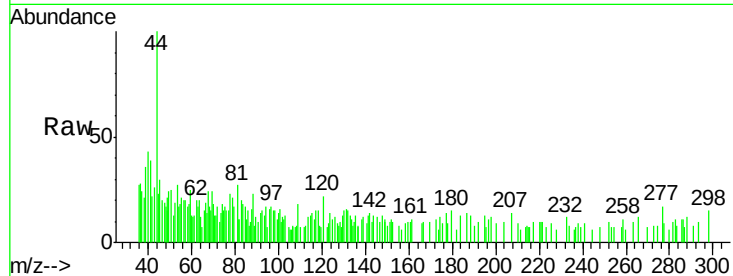


#11

Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Instrument :
MSVOA_Y
ClientSampleId :
MH-140B-20200225

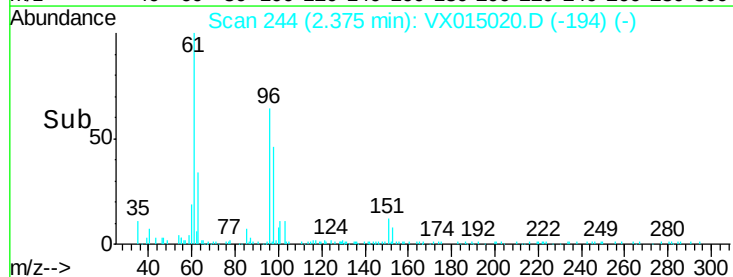
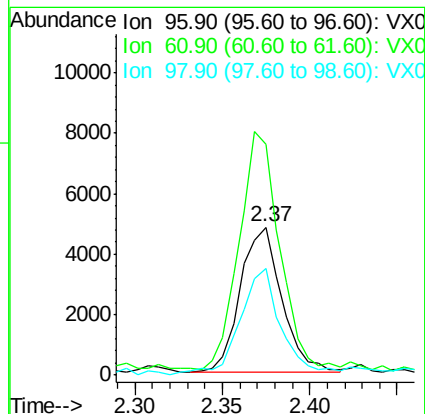
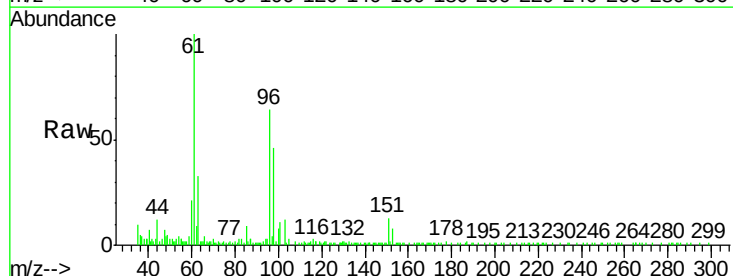
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 73.1 8.2 12.4#

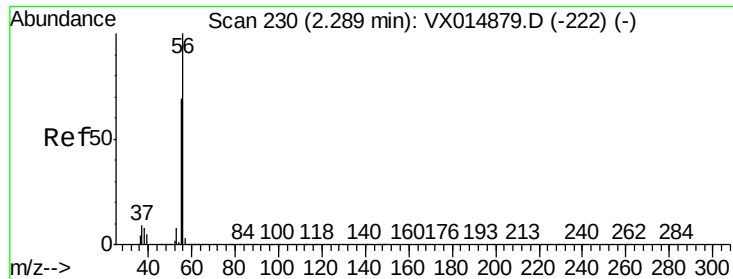


#12

1,1-Dichloroethene
Concen: 2.01 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion: 96 Resp: 7859
Ion Ratio Lower Upper
96 100
61 154.7 129.5 194.3
98 70.4 50.6 76.0





#13

Acrolein

Concen: 0.89 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

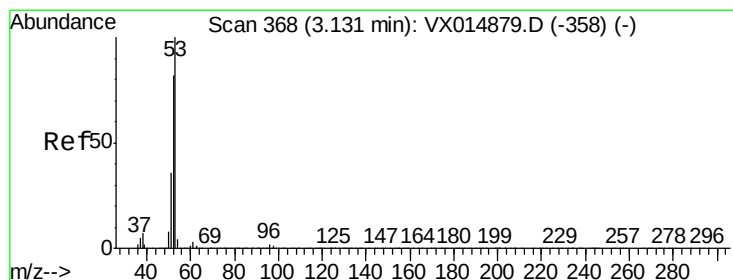
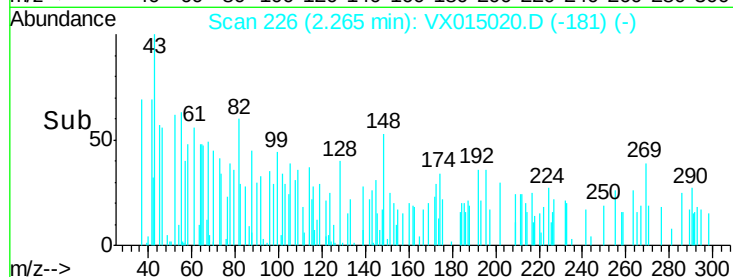
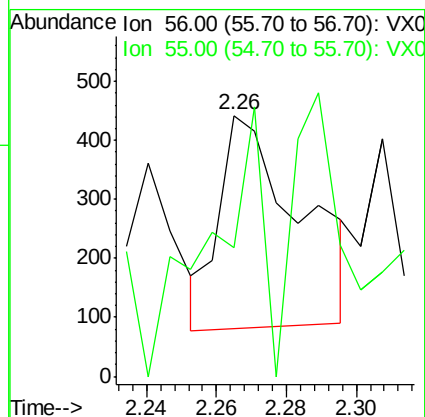
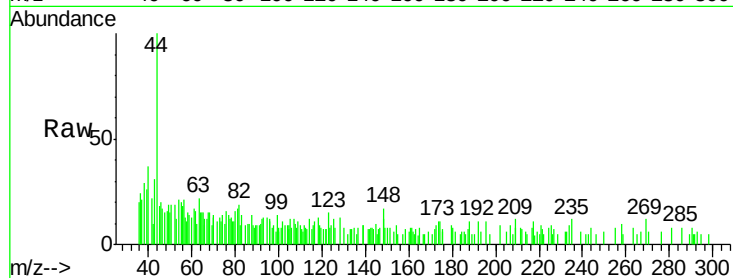
MH-140B-20200225

Tgt Ion: 56 Resp: 578

Ion Ratio Lower Upper

56 100

55 82.5 55.0 82.4#



#15

Acrylonitrile

Concen: 0.28 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

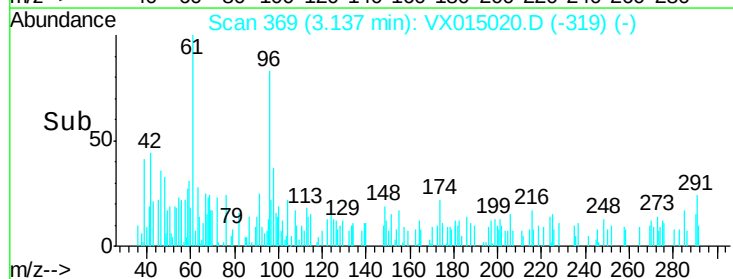
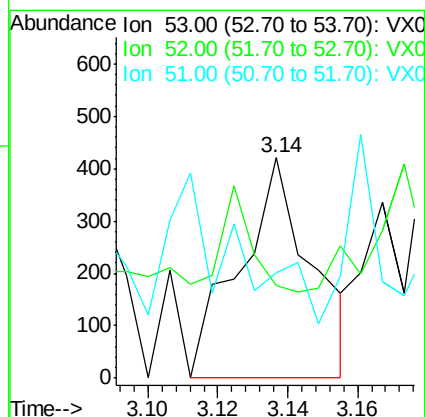
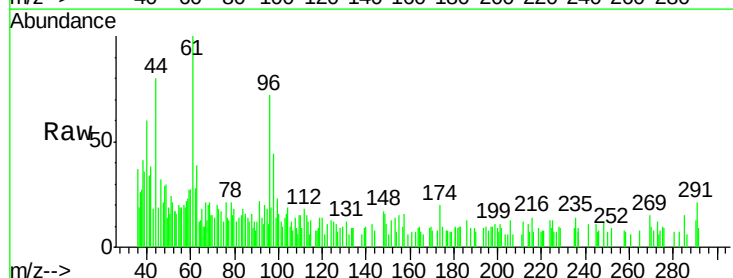
Tgt Ion: 53 Resp: 596

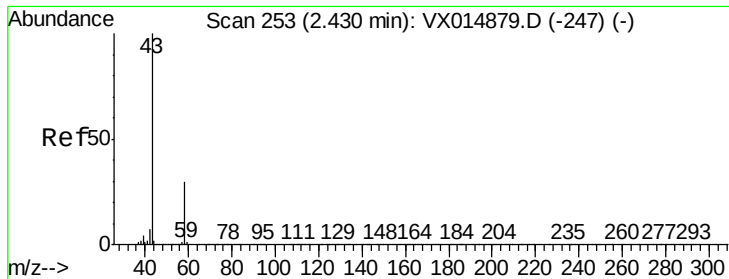
Ion Ratio Lower Upper

53 100

52 19.3 65.8 98.6#

51 0.0 29.1 43.7#

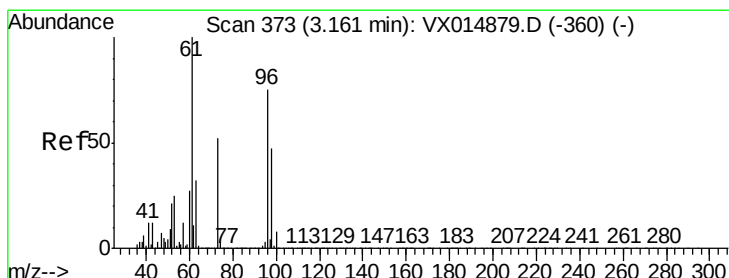
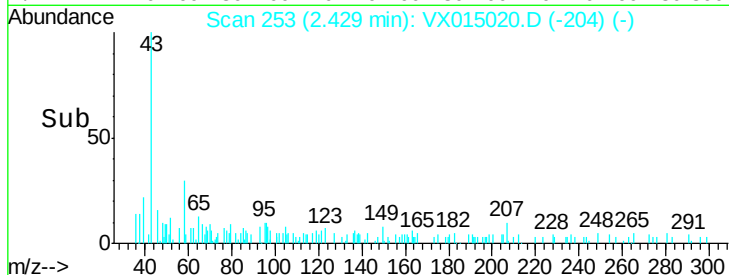
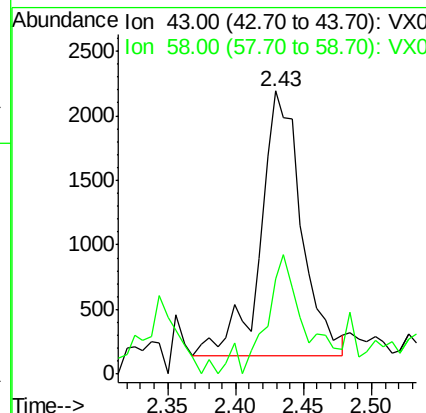
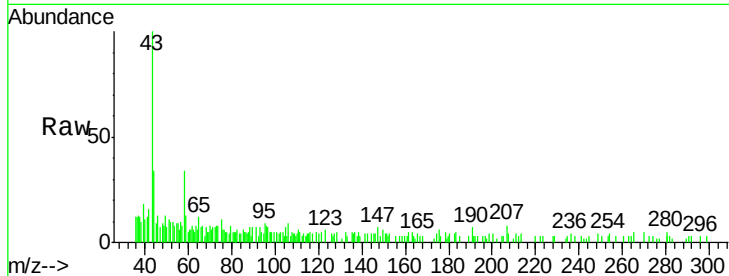




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

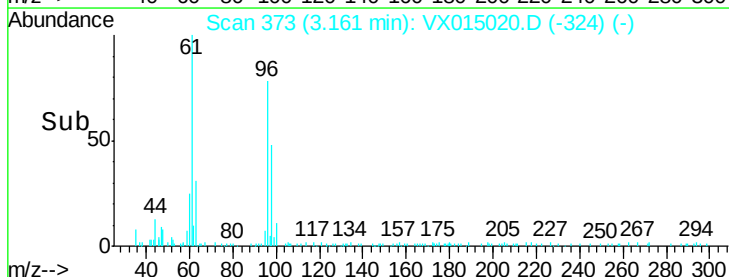
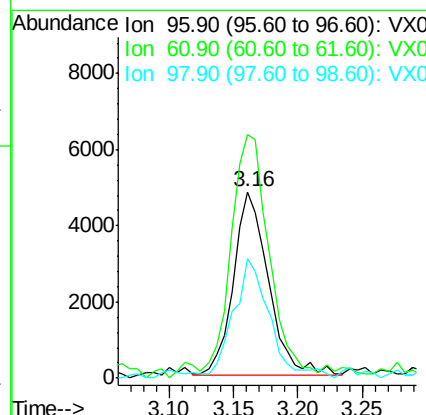
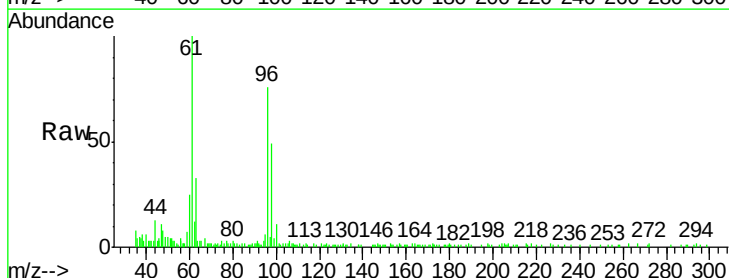
Instrument :
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MH-140B-20200225

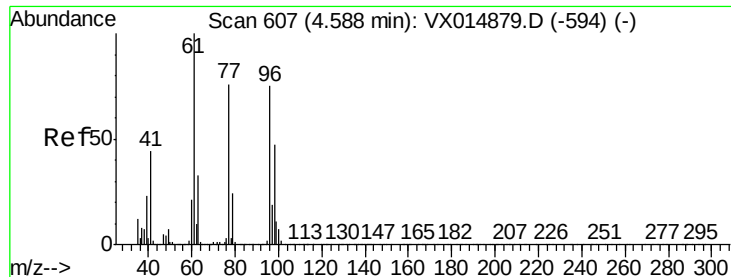
Tgt Ion: 43 Resp: 4362
Ion Ratio Lower Upper
43 100
58 42.8 24.1 36.1#



#21
trans-1,2-Dichloroethene
Concen: 2.14 ug/l
RT: 3.16 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion: 96 Resp: 9234
Ion Ratio Lower Upper
96 100
61 126.5 106.9 160.3
98 62.8 50.7 76.1



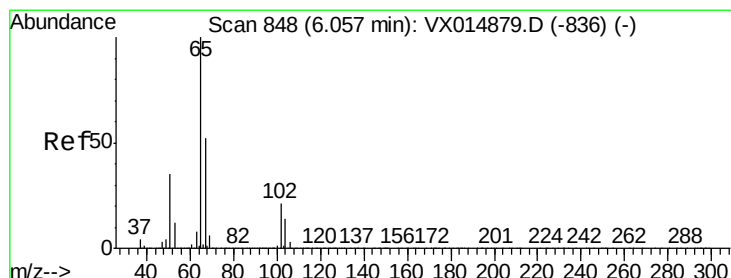
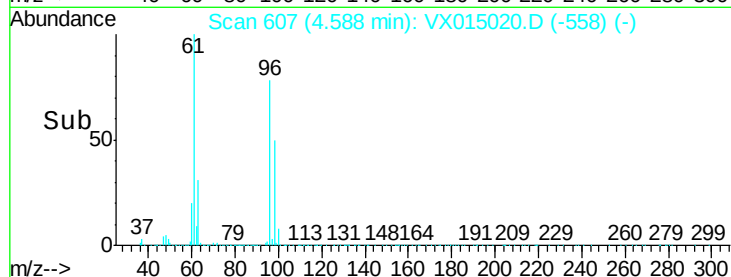
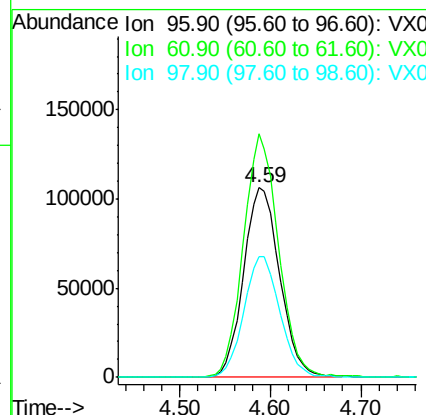
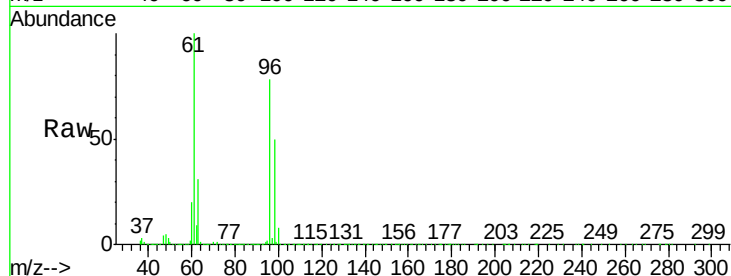


#27

cis-1,2-Dichloroethene
Concen: 60.88 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Instrument :
MSVOA_Y
ClientSampleId :
MH-140B-20200225

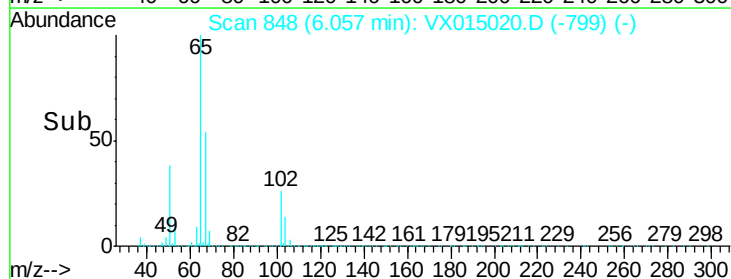
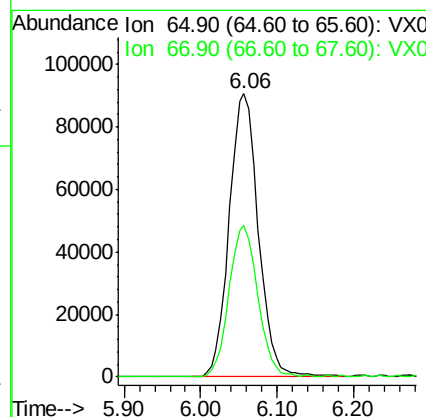
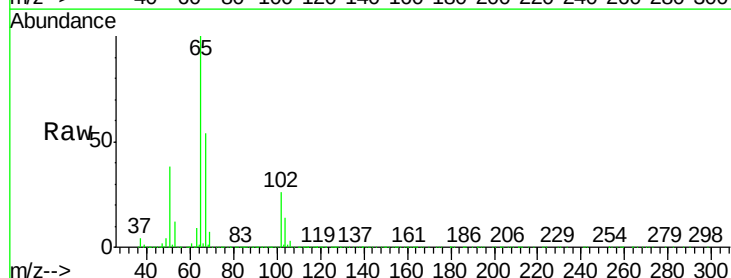
Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	286.2
98	64.1	0.0	131.0

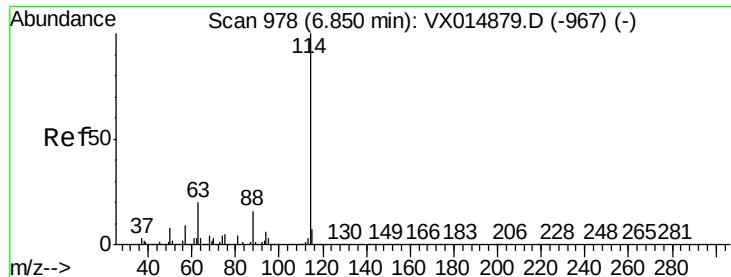


#33

1,2-Dichloroethane-d4
Concen: 49.15 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

MH-140B-20200225

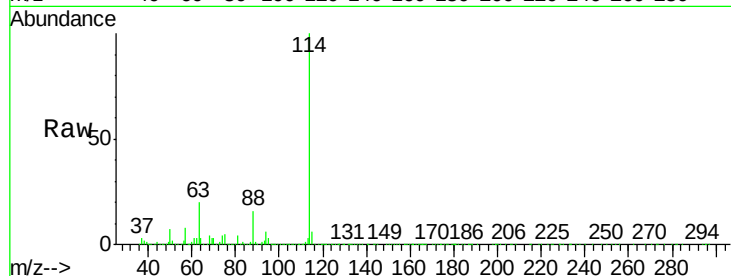
Tgt Ion:114 Resp: 666800

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

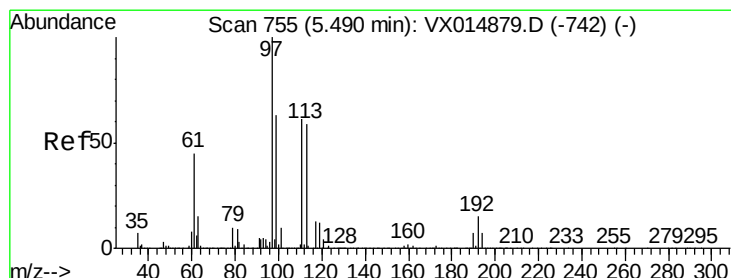
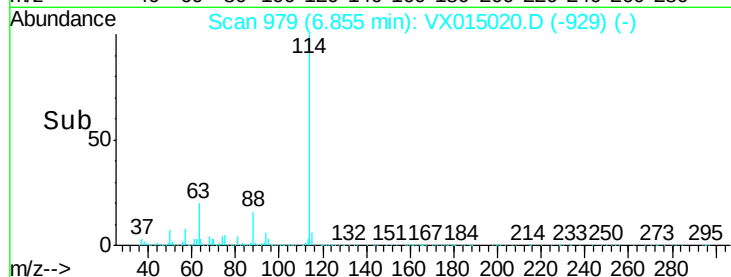
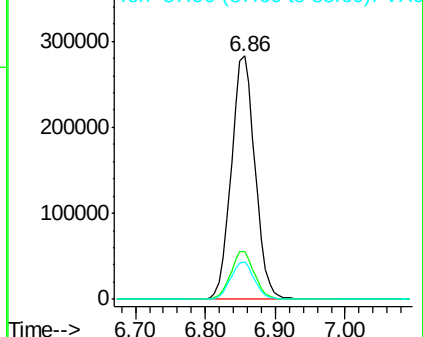
88 15.5 0.0 32.0



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: 49.76 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

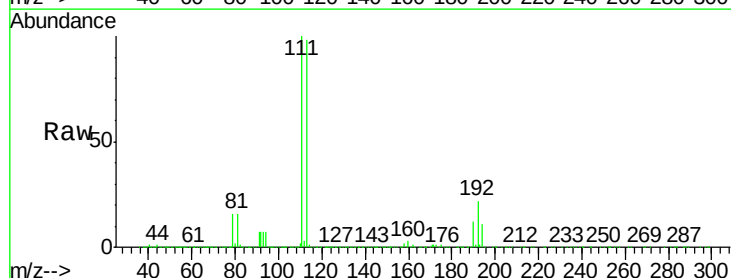
Tgt Ion:113 Resp: 203980

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

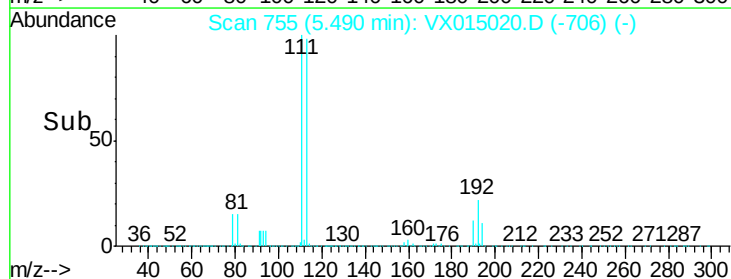
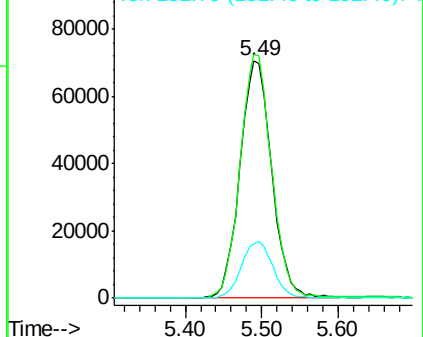
192 23.7 19.1 28.7

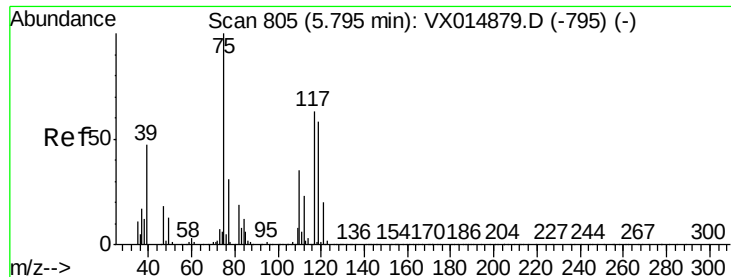


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.82 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.13 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

MH-140B-20200225

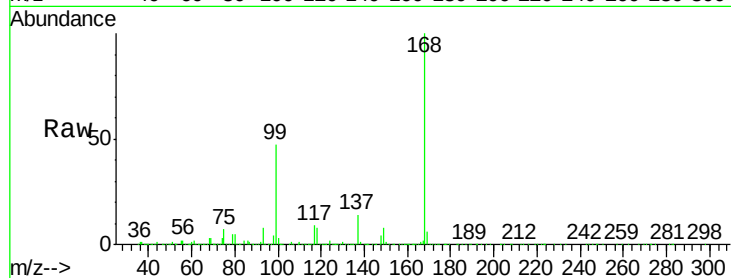
Tgt Ion: 75 Resp: 28748

Ion Ratio Lower Upper

75 100

110 11.0 18.3 54.8#

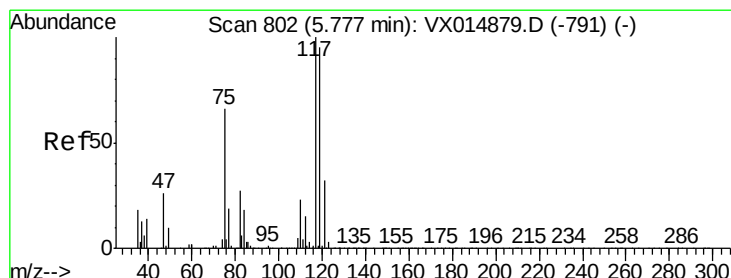
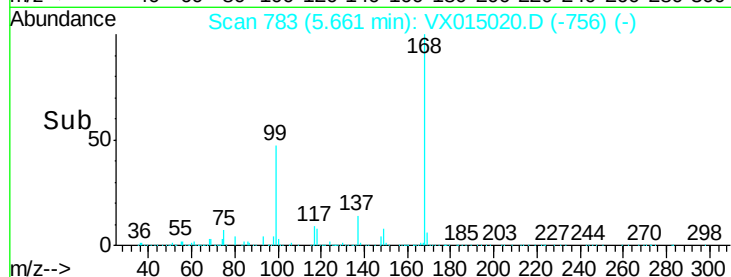
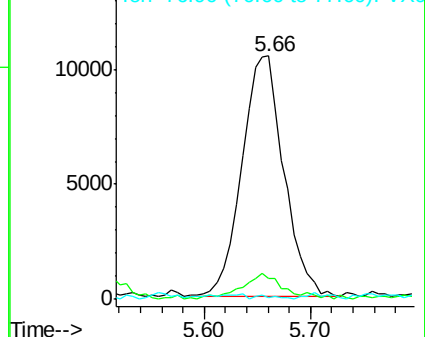
77 0.9 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.29 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

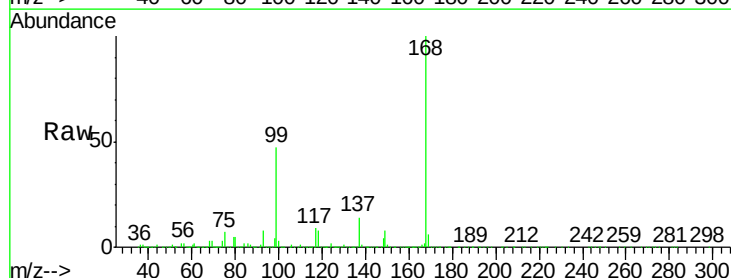
Tgt Ion: 117 Resp: 36573

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

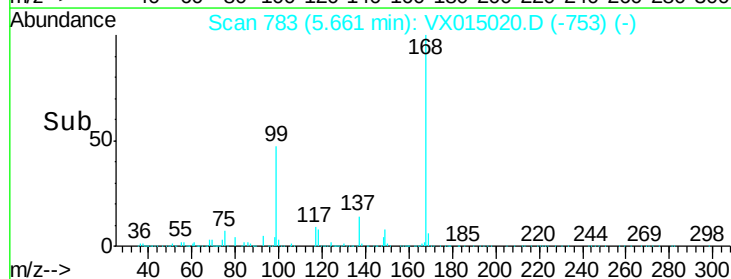
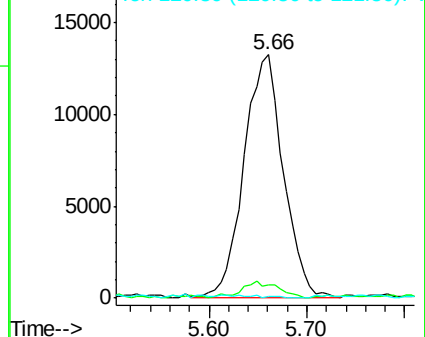
121 0.0 25.4 38.2#

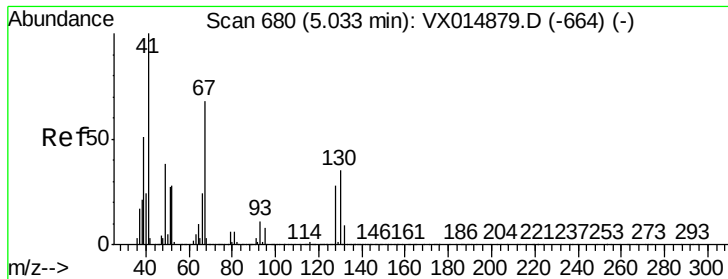


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

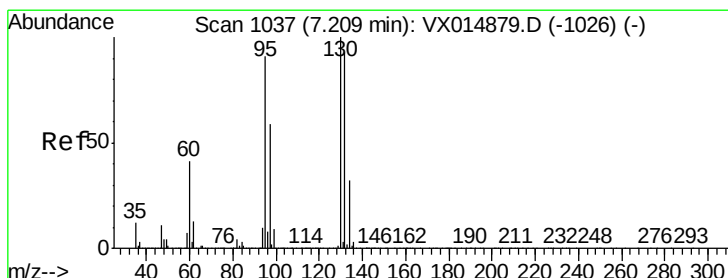
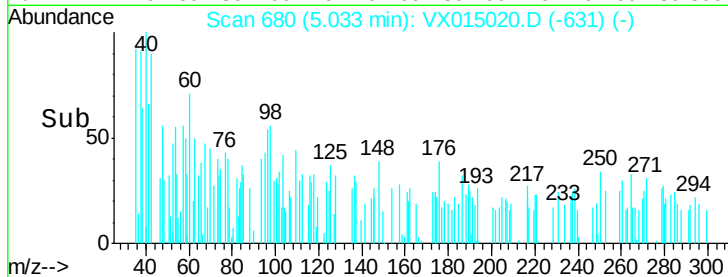
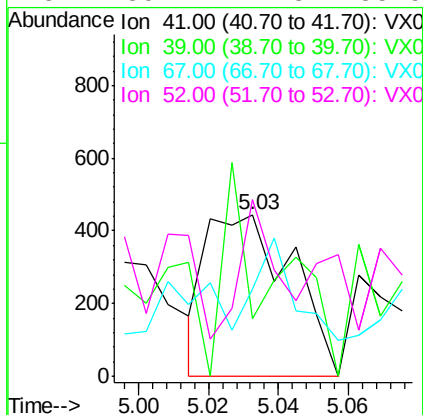
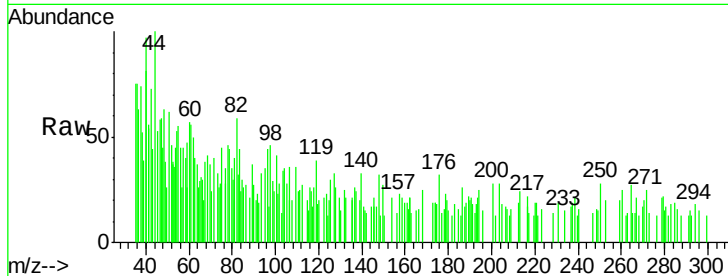




#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

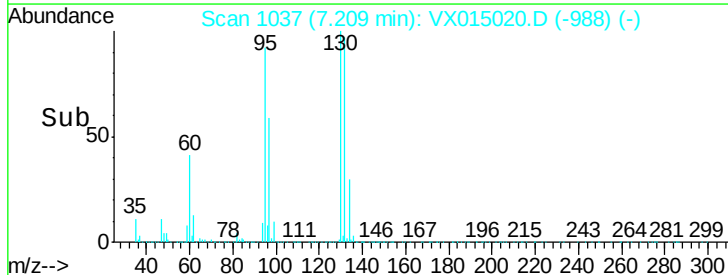
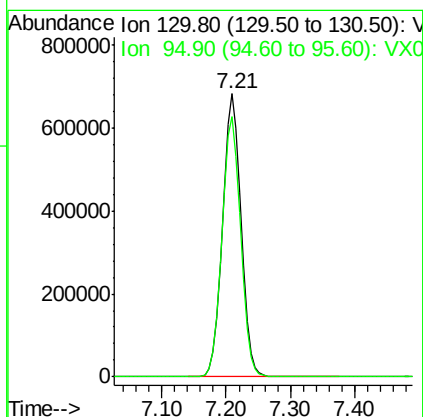
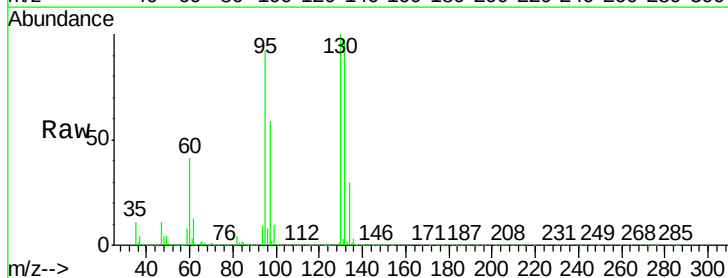
Instrument :
MSVOA_Y
ClientSampleId :
MH-140B-20200225

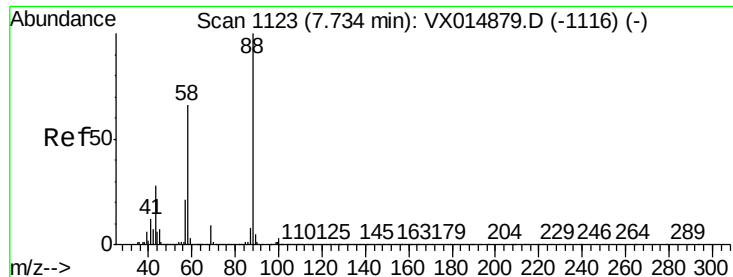
Tgt Ion:	41	Resp:	760
Ion	Ratio	Lower	Upper
41	100		
39	48.6	44.7	67.1
67	27.4	56.6	84.8#
52	39.7	22.3	33.5#



#44
Trichloroethene
Concen: 268.38 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion:	130	Resp:	1388503
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	182.6

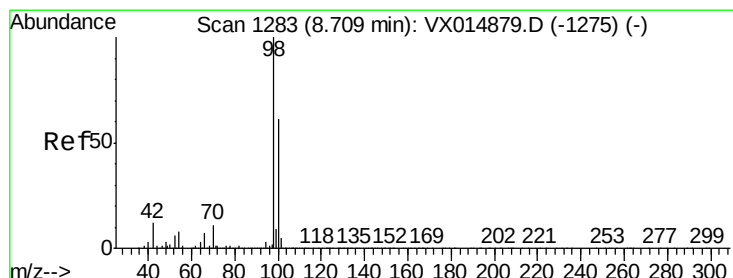
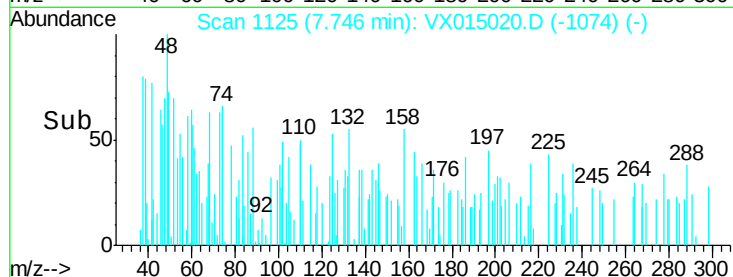
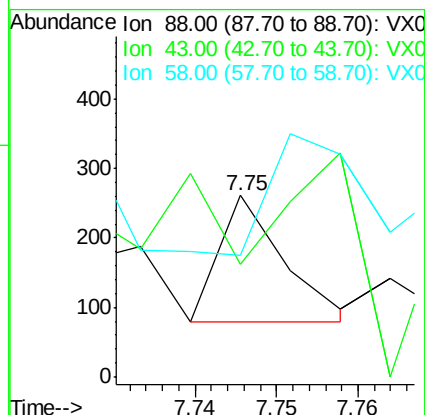
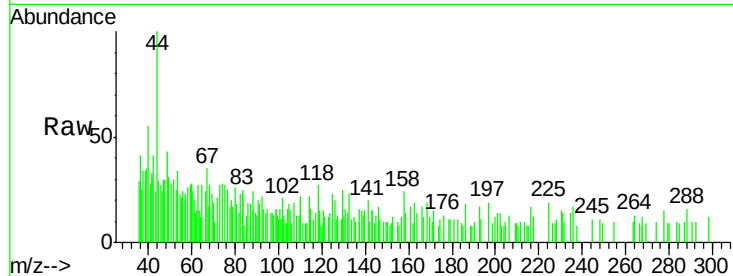




#49
1,4-Dioxane
Concen: 1.06 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

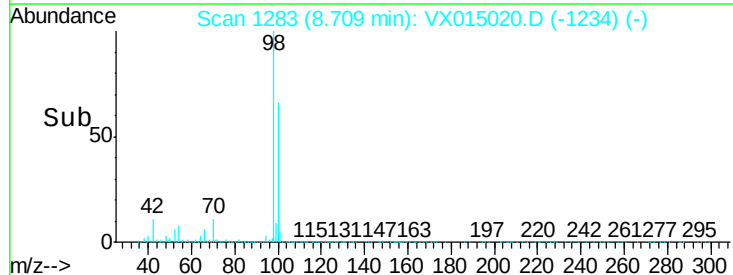
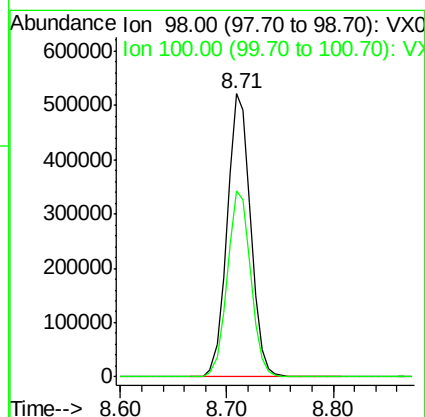
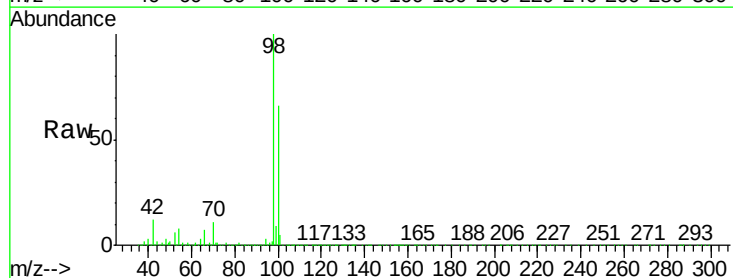
Instrument :
MSVOA_Y
ClientSampleId :
MH-140B-20200225

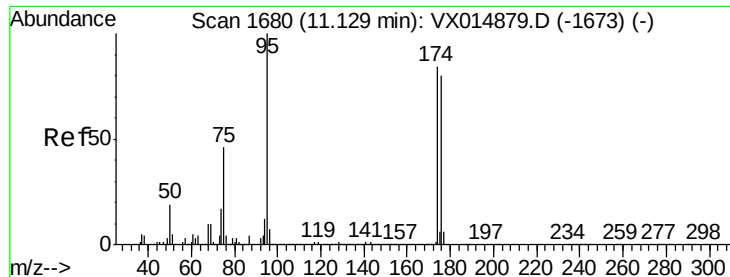
Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 319.0 27.0 40.4#
58 364.0 53.2 79.8#



#50
Toluene-d8
Concen: 51.33 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion: 98 Resp: 803136
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

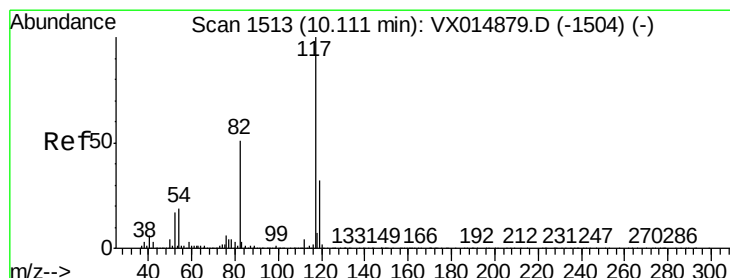
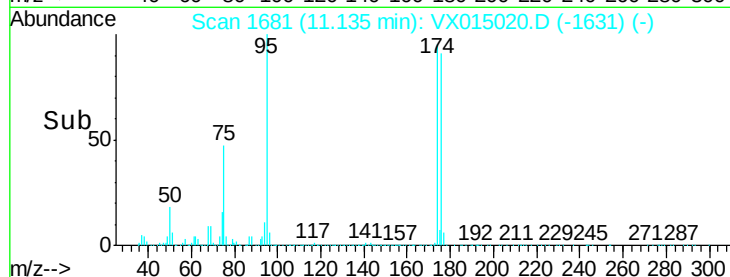
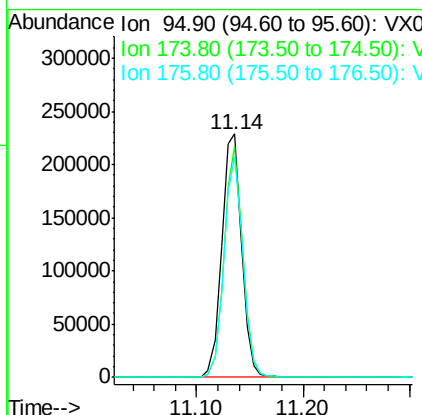
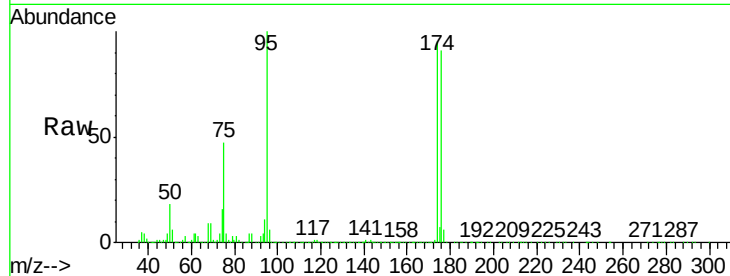




#62
4-Bromofluorobenzene
Concen: 52.66 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

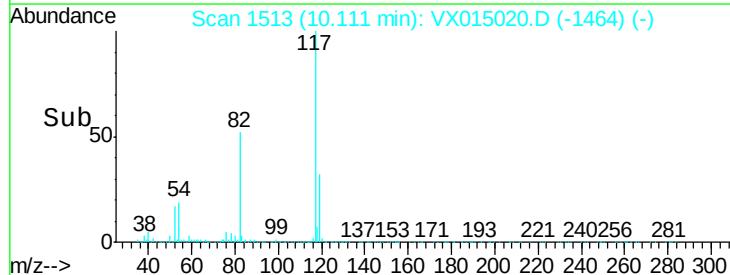
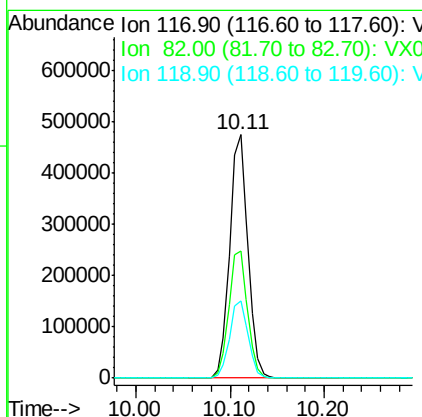
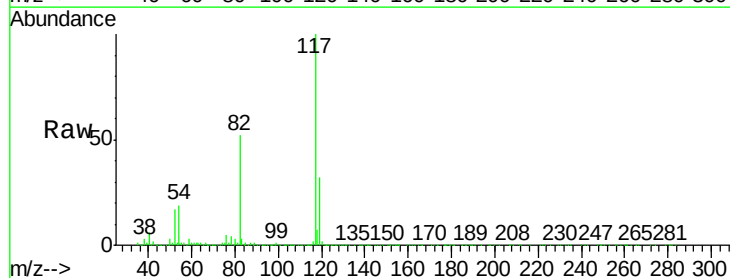
Instrument :
MSVOA_Y
ClientSampleId :
MH-140B-20200225

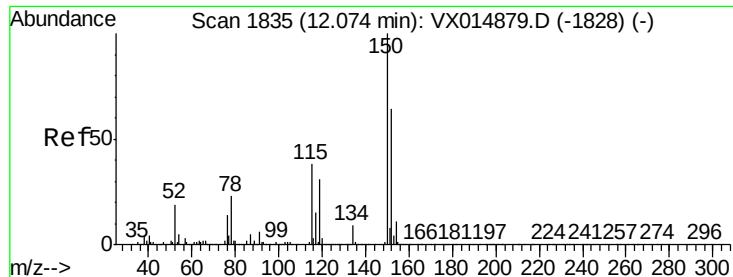
Tgt Ion: 95 Resp: 296812
Ion Ratio Lower Upper
95 100
174 89.9 0.0 183.0
176 87.3 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015020.D
Acq: 26 Feb 2020 14:59

Tgt Ion: 117 Resp: 637129
Ion Ratio Lower Upper
117 100
82 52.2 40.5 60.7
119 31.6 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: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

MH-140B-20200225

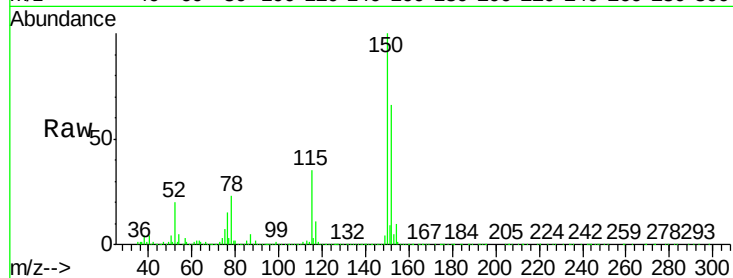
Tgt Ion: 152 Resp: 331383

Ion Ratio Lower Upper

152 100

115 54.1 38.6 116.0

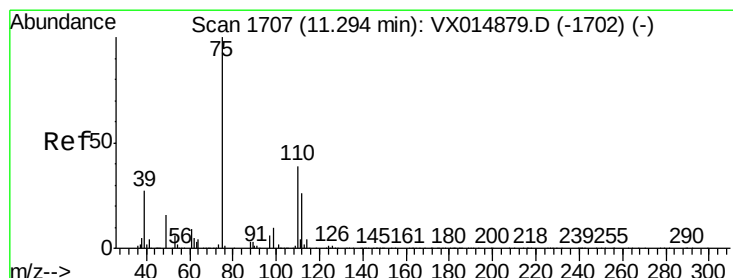
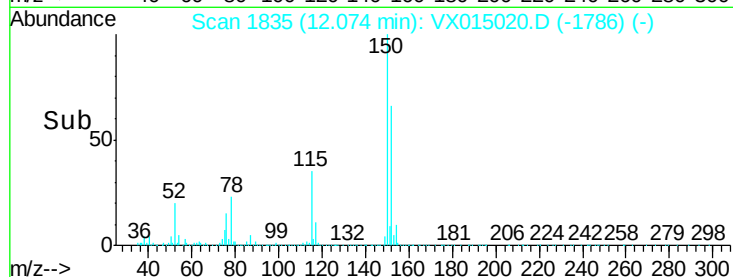
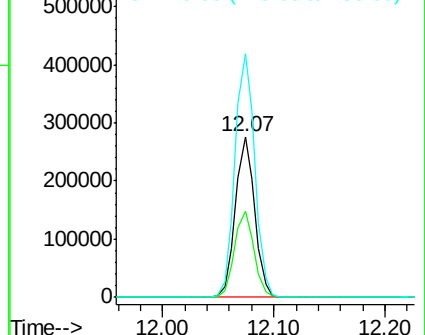
150 156.0 0.0 349.0



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: 23.92 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015020.D

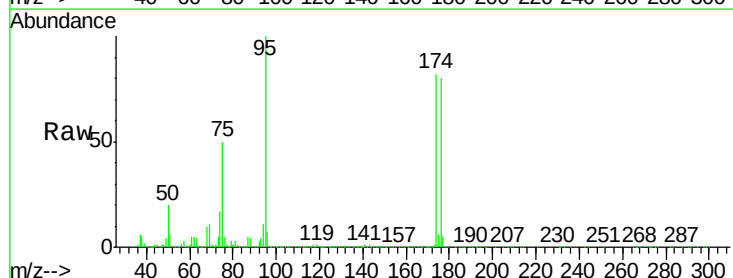
Acq: 26 Feb 2020 14:59

Tgt Ion: 75 Resp: 143334

Ion Ratio Lower Upper

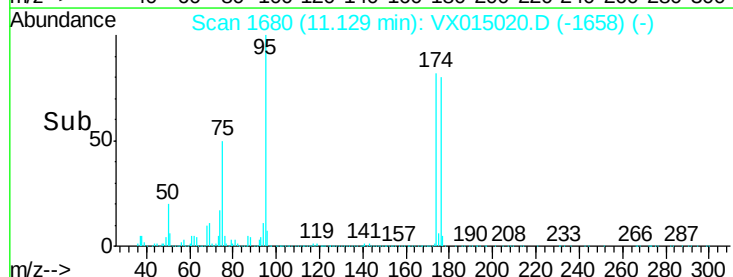
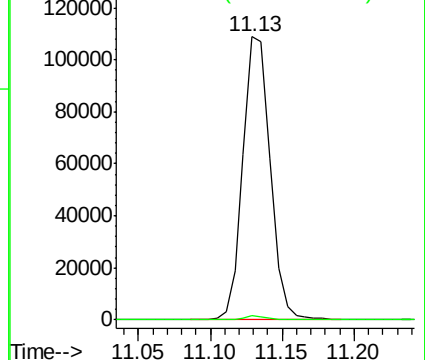
75 100

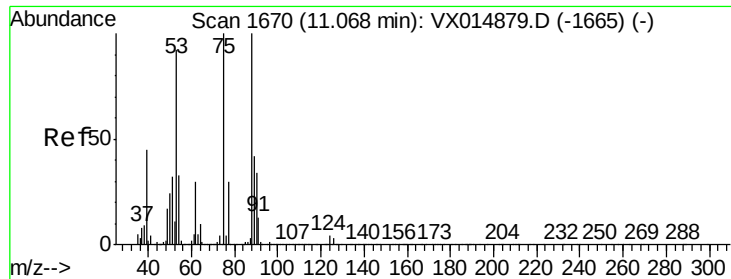
77 1.4 18.4 55.0#



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: 61.23 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015020.D

Acq: 26 Feb 2020 14:59

Instrument :

MSVOA_Y

ClientSampleId :

MH-140B-20200225

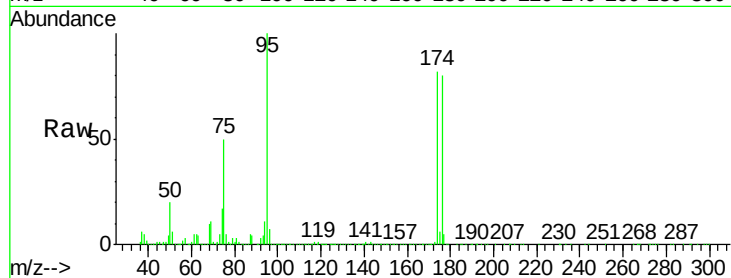
Tgt Ion: 75 Resp: 143334

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.0 35.8 53.6#



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

