

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
 Data File : VX015041.D
 Acq On : 27 Feb 2020 12:36
 Operator : JC/SP
 Sample : L1683-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCHLN-20200225

Quant Time: Feb 27 15:48:57 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	429611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	679946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	651458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	328102	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	244212	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	5.49	113	208498	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.71	98	817192	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	300272	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

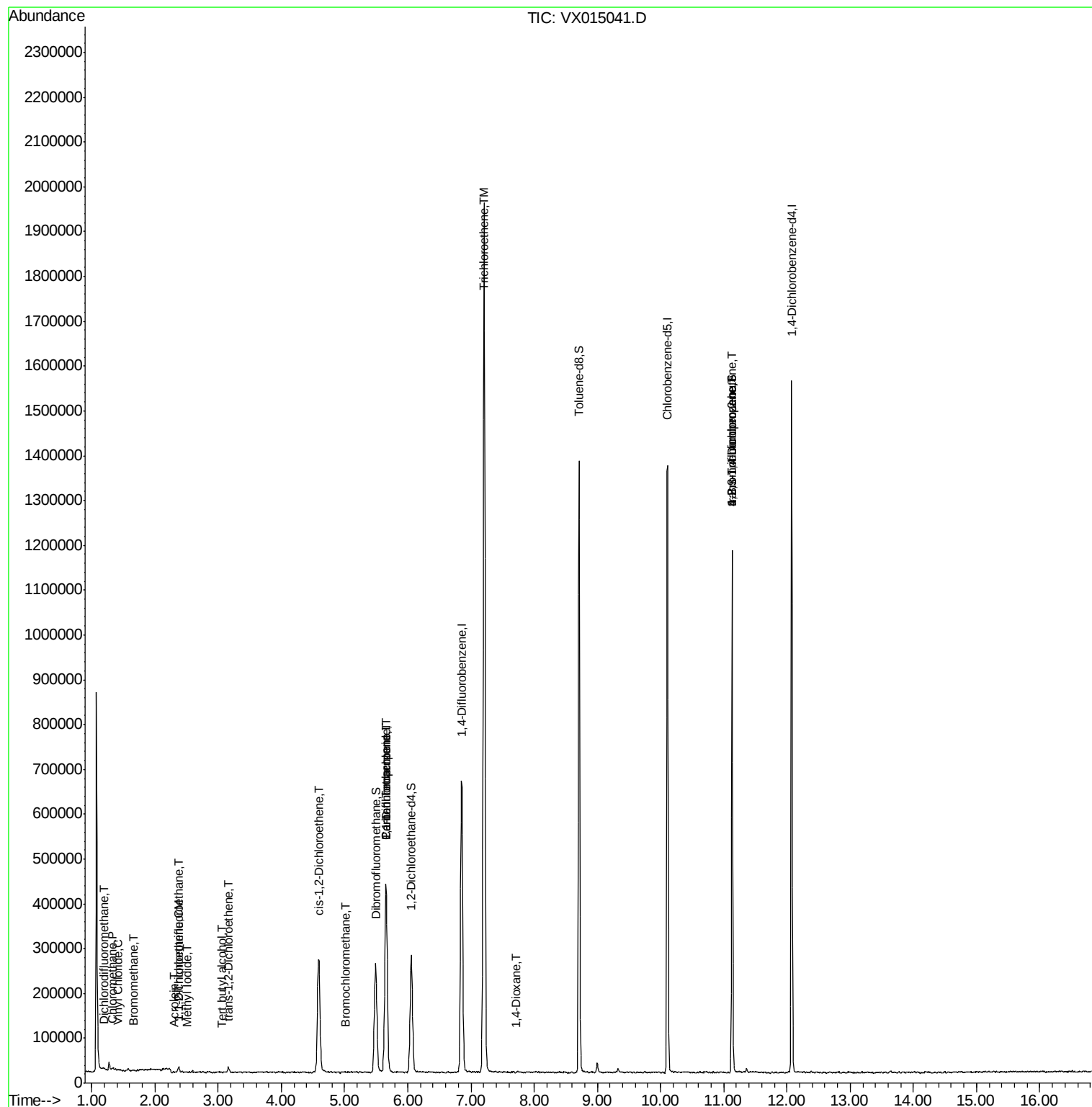
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1315	0.32	ug/l	90
3) Chloromethane	1.32	50	1129	0.24	ug/l #	78
4) Vinyl Chloride	1.41	62	1960	0.39	ug/l #	75
5) Bromomethane	1.66	94	1301	0.40	ug/l #	62
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1628	0.40	ug/l #	91
10) Methyl Iodide	2.50	142	1205	4.61	ug/l #	46
11) Tert butyl alcohol	3.06	59	172	0.20	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	4861	1.23	ug/l	82
13) Acrolein	2.29	56	831	1.27	ug/l #	79
16) Acetone	2.44	43	2324	Below Cal		99
21) trans-1,2-Dichloroethene	3.16	96	5486	1.26	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	170276	35.06	ug/l	88
28) Bromochloromethane	5.00	49	654	0.22	ug/l #	43
36) 1,1-Dichloropropene	5.65	75	30230	4.97	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36831	6.21	ug/l #	17
44) Trichloroethene	7.21	130	755177	143.15	ug/l	97
49) 1,4-Dioxane	7.70	88	437	4.54	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	145955	24.60	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	145955	62.97	ug/l #	12

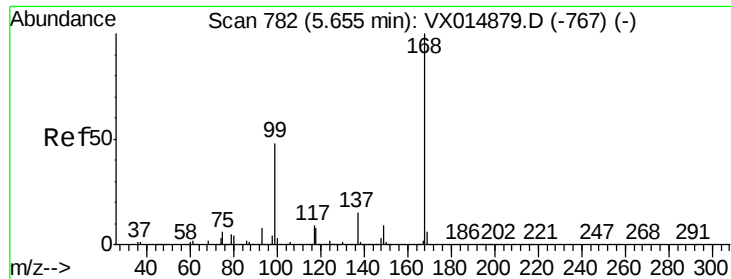
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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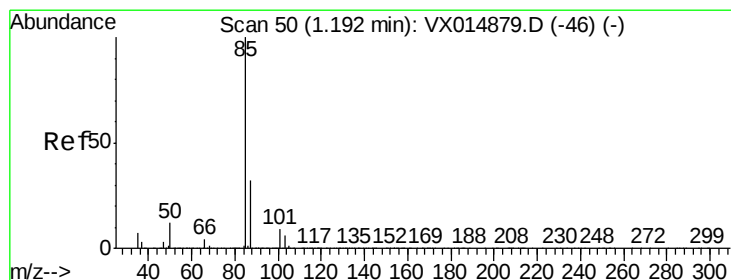
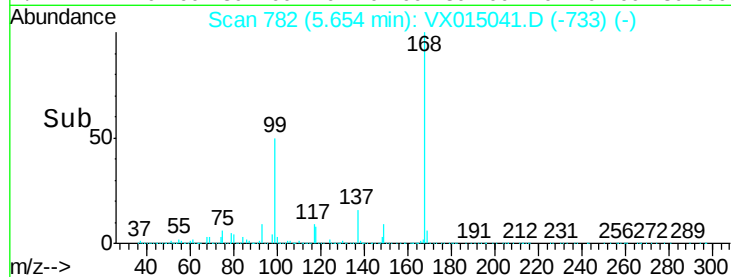
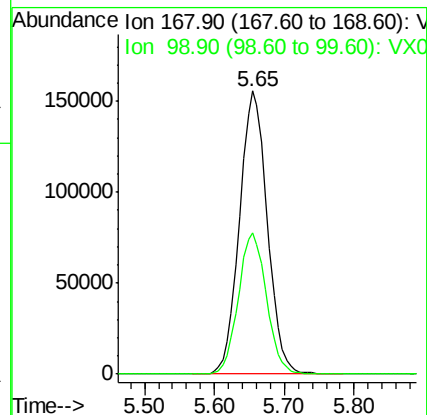
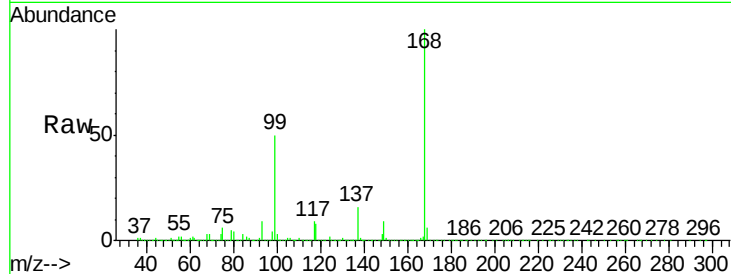


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX015041.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCHLN-20200225

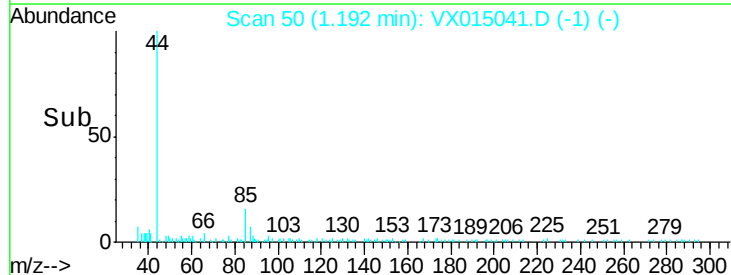
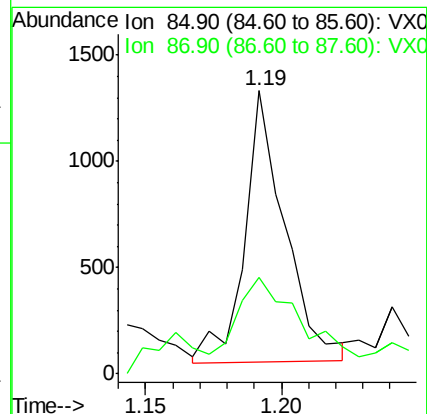
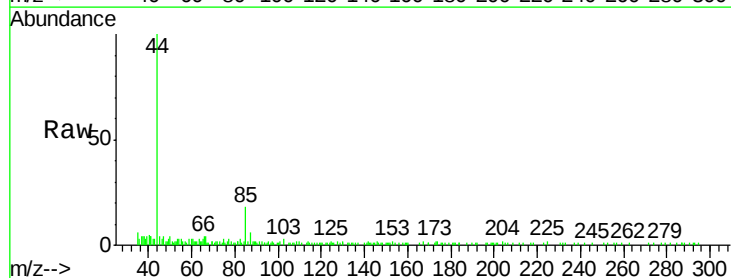
Tgt Ion:168 Resp: 429611
 Ion Ratio Lower Upper
 168 100
 99 49.8 38.7 58.1

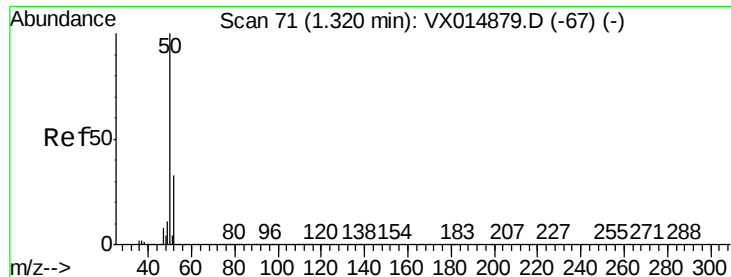


#2

Dichlorodifluoromethane
 Concen: 0.32 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX015041.D
 Acq: 27 Feb 2020 12:36

Tgt Ion: 85 Resp: 1315
 Ion Ratio Lower Upper
 85 100
 87 26.4 16.1 48.2





#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

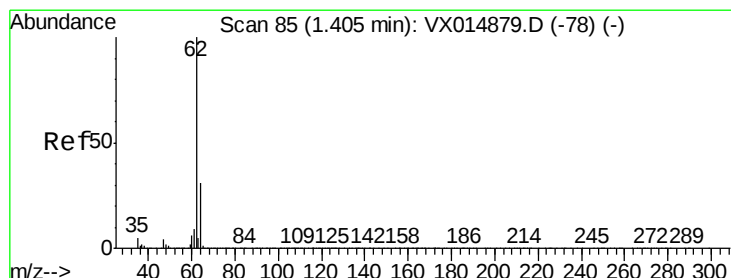
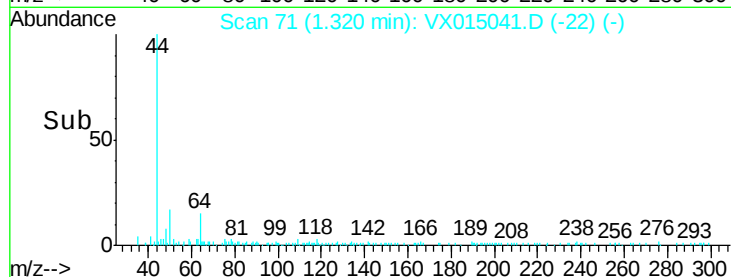
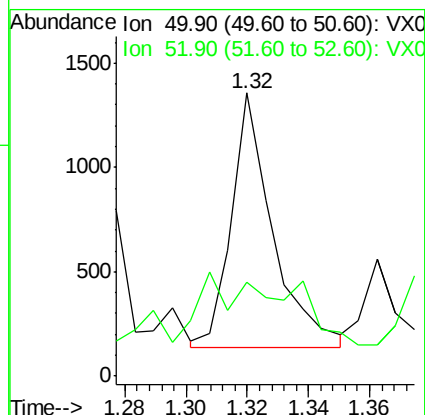
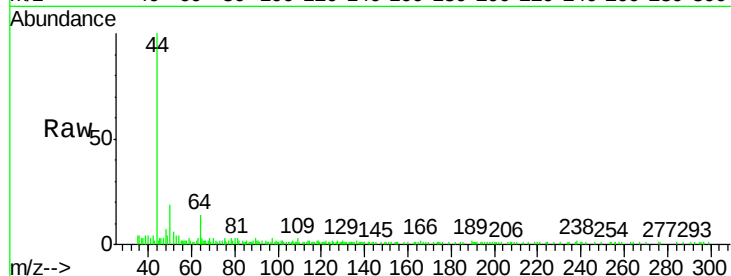
WEST-DITCHLN-20200225

Tgt Ion: 50 Resp: 1129

Ion Ratio Lower Upper

50 100

52 20.4 26.2 39.2#



#4

Vinyl Chloride

Concen: 0.39 ug/l

RT: 1.41 min Scan# 85

Delta R.T. -0.00 min

Lab File: VX015041.D

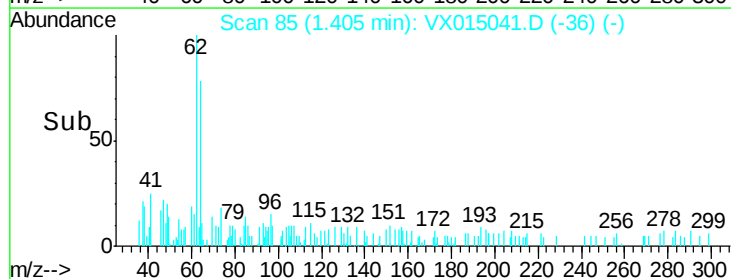
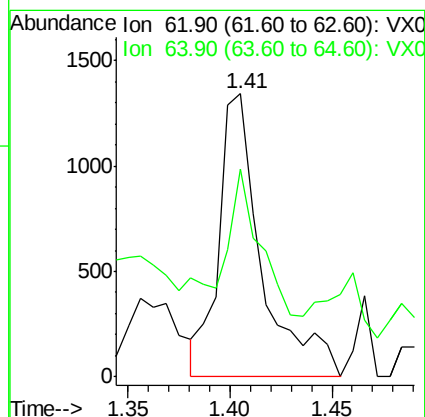
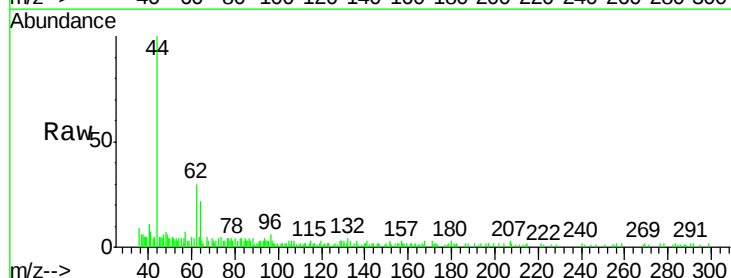
Acq: 27 Feb 2020 12:36

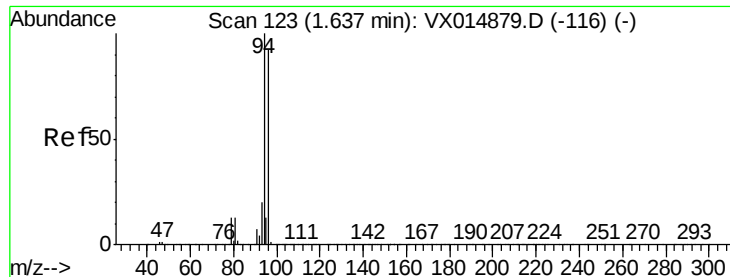
Tgt Ion: 62 Resp: 1960

Ion Ratio Lower Upper

62 100

64 44.6 24.8 37.2#





#5

Bromomethane

Concen: 0.40 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

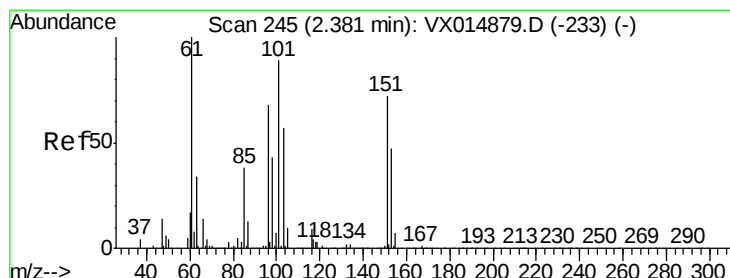
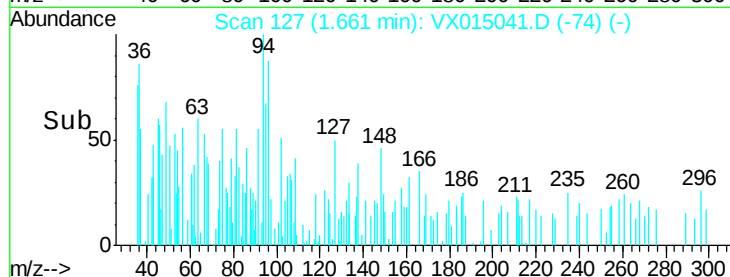
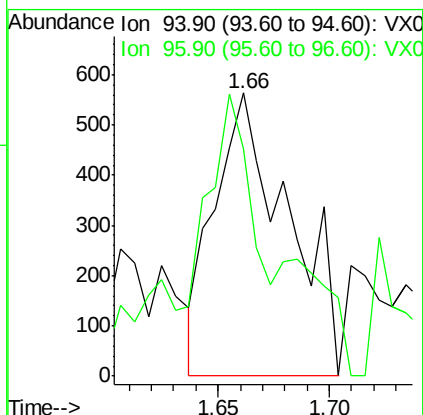
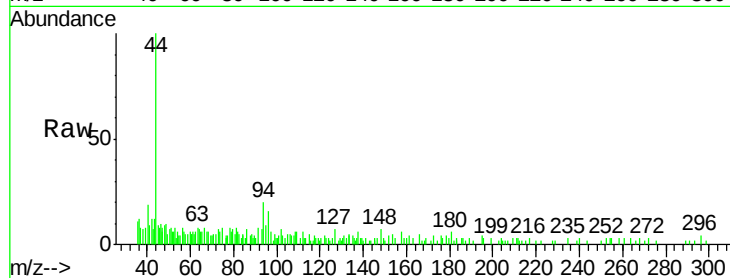
WEST-DITCHLN-20200225

Tgt Ion: 94 Resp: 1301

Ion Ratio Lower Upper

94 100

96 55.6 73.7 110.5#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.40 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

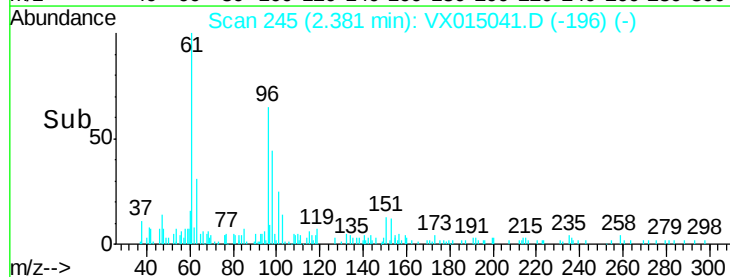
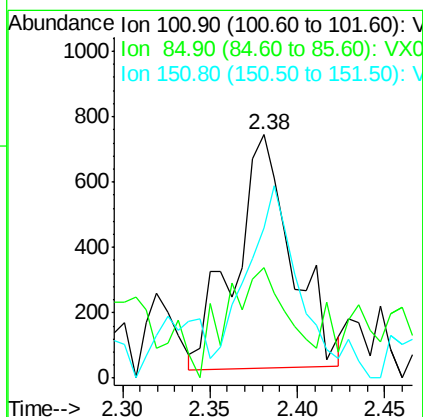
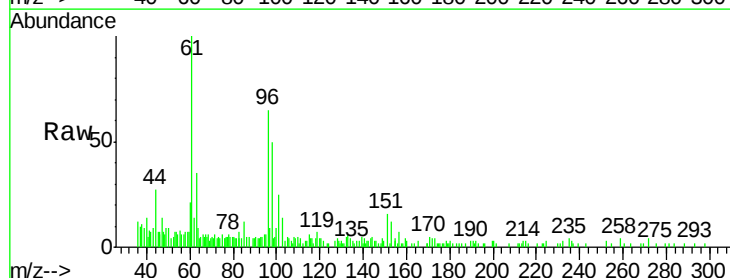
Tgt Ion: 101 Resp: 1628

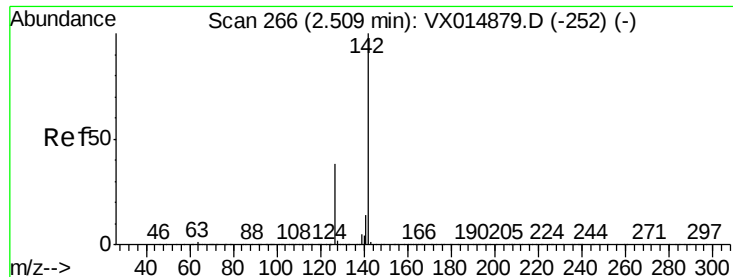
Ion Ratio Lower Upper

101 100

85 51.8 34.1 51.1#

151 78.2 67.3 100.9

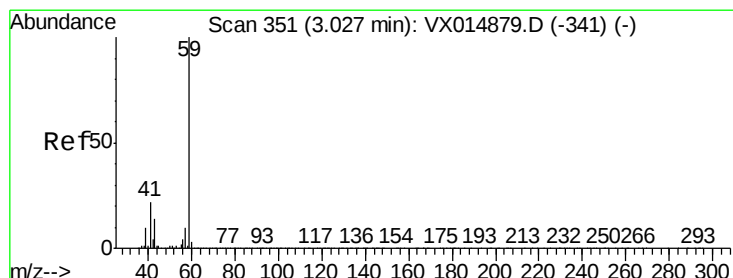
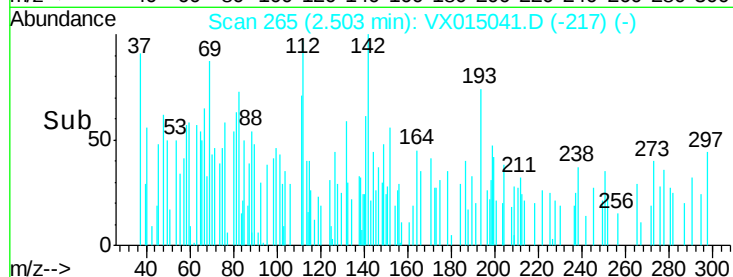
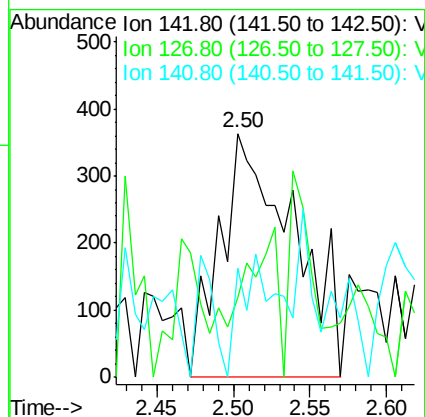
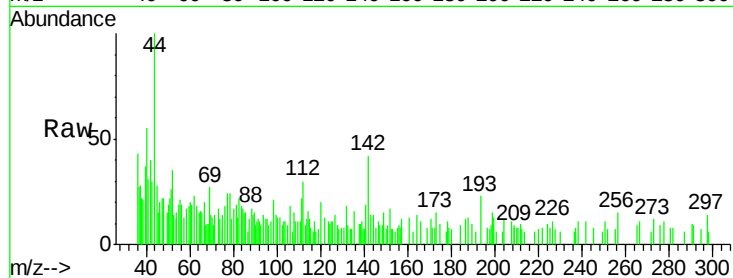




#10
Methyl Iodide
Concen: 4.61 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015041.D
Acq: 27 Feb 2020 12:36

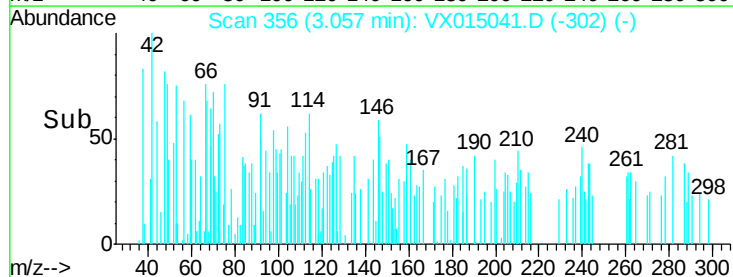
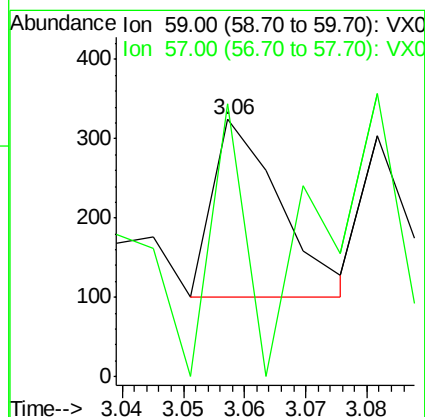
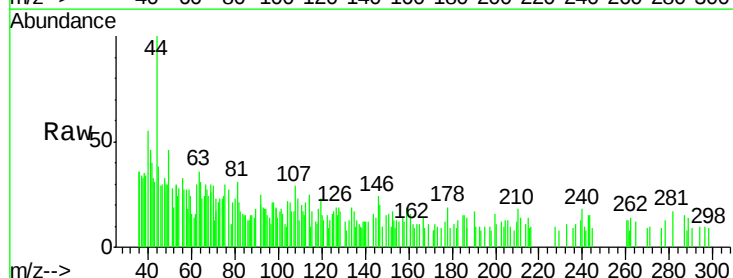
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCHLN-20200225

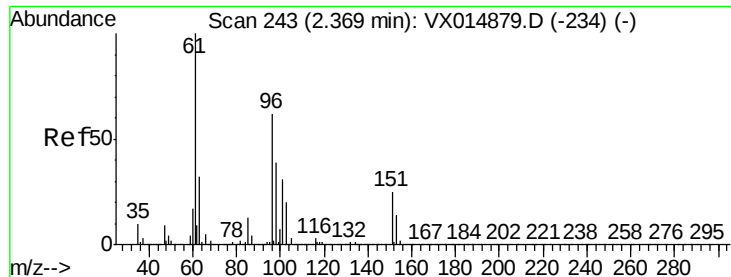
Tgt Ion: 142 Resp: 1205
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 24.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.20 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.03 min
Lab File: VX015041.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 73.3 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 1.23 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225

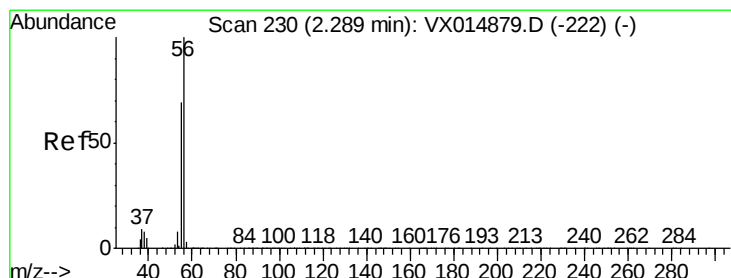
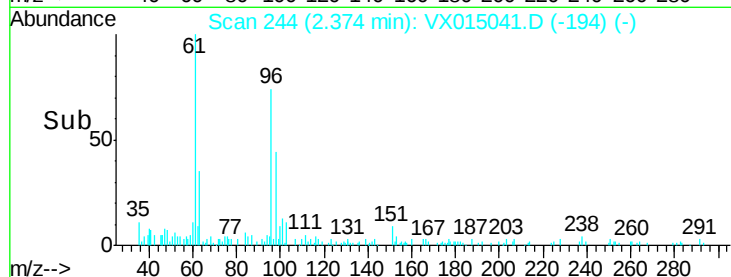
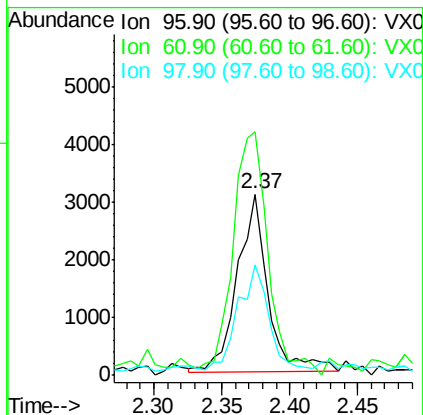
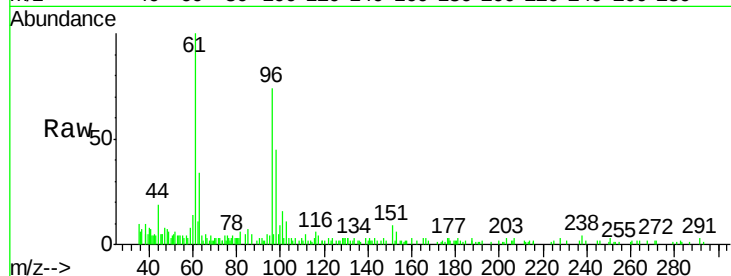
Tgt Ion: 96 Resp: 4861

Ion Ratio Lower Upper

96 100

61 131.4 129.5 194.3

98 57.9 50.6 76.0



#13

Acrolein

Concen: 1.27 ug/l

RT: 2.29 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX015041.D

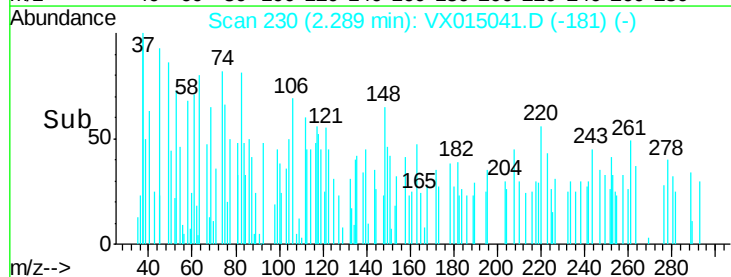
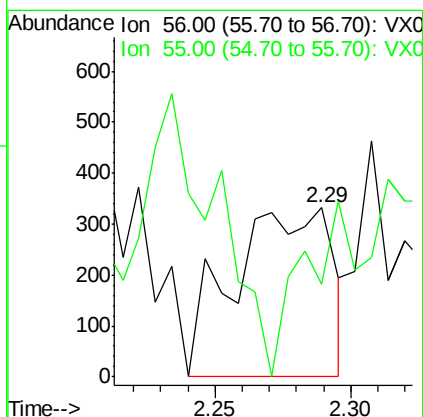
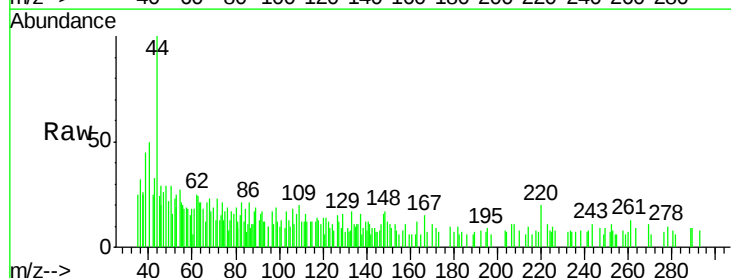
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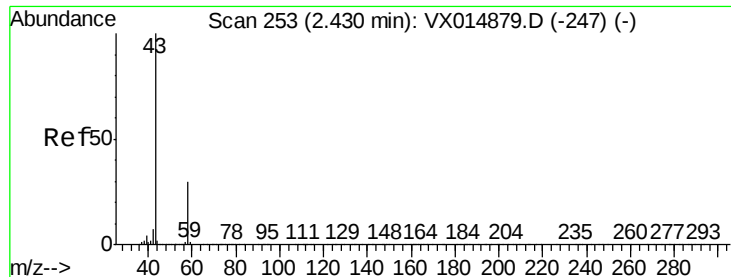
Tgt Ion: 56 Resp: 831

Ion Ratio Lower Upper

56 100

55 51.9 55.0 82.4#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

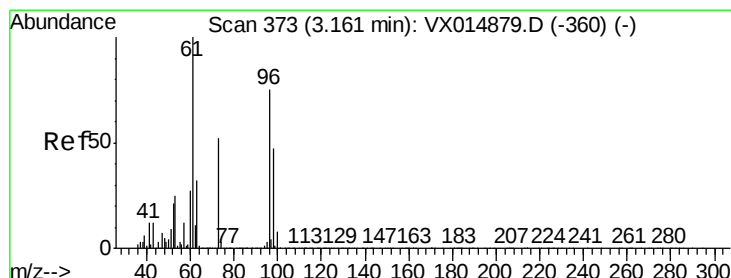
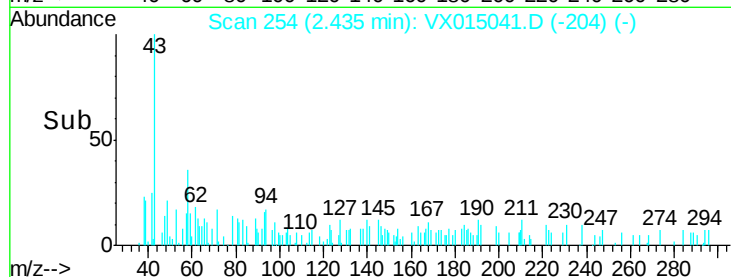
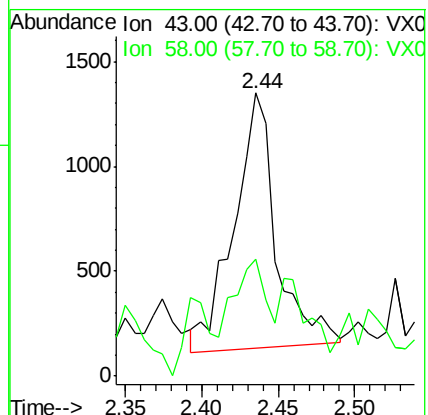
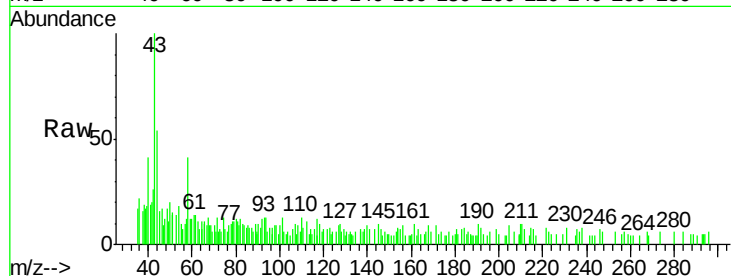
WEST-DITCHLN-20200225

Tgt Ion: 43 Resp: 2324

Ion Ratio Lower Upper

43 100

58 30.4 24.1 36.1



#21

trans-1,2-Dichloroethene

Concen: 1.26 ug/l

RT: 3.16 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

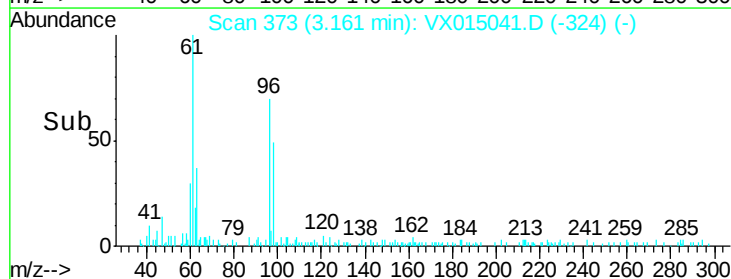
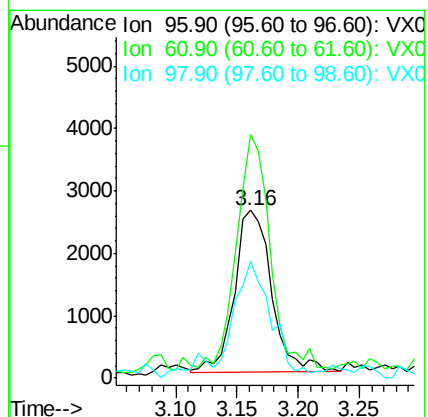
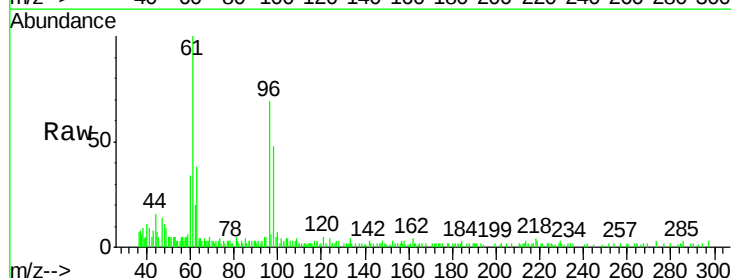
Tgt Ion: 96 Resp: 5486

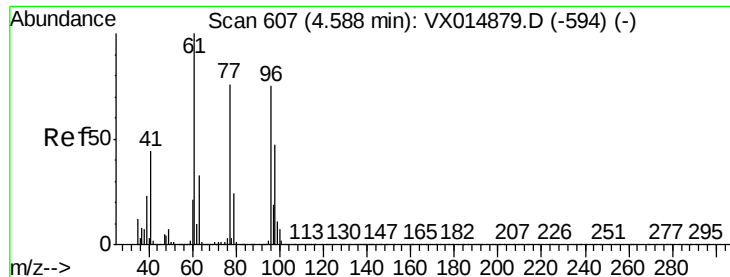
Ion Ratio Lower Upper

96 100

61 144.6 106.9 160.3

98 68.4 50.7 76.1





#27

cis-1,2-Dichloroethene

Concen: 35.06 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

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ClientSampleId :

WEST-DITCHLN-20200225

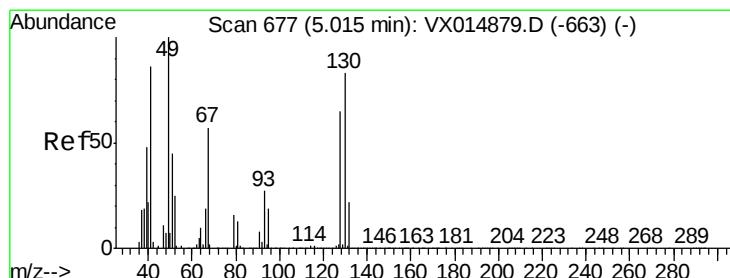
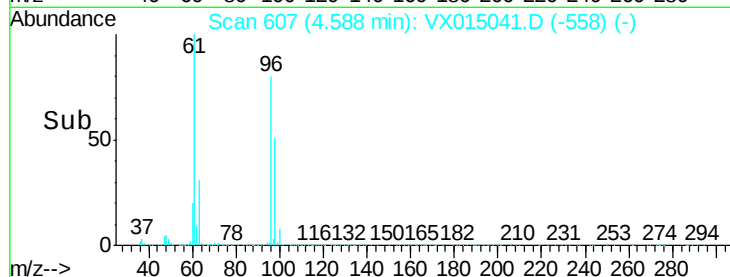
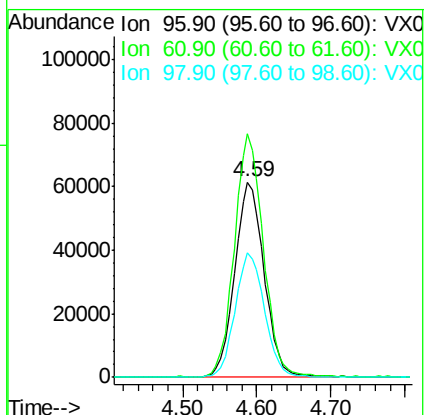
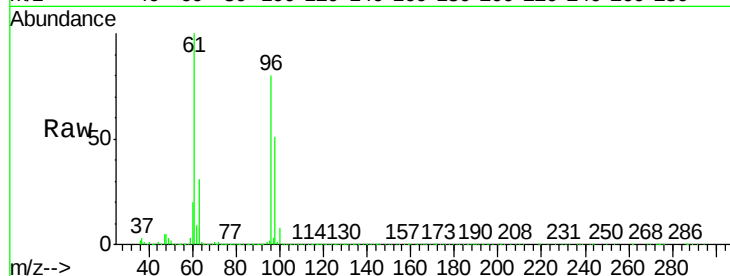
Tgt Ion: 96 Resp: 170276

Ion Ratio Lower Upper

96 100

61 122.6 0.0 286.2

98 63.4 0.0 131.0



#28

Bromochloromethane

Concen: 0.22 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

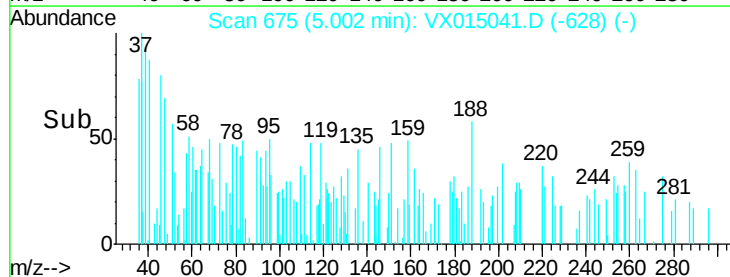
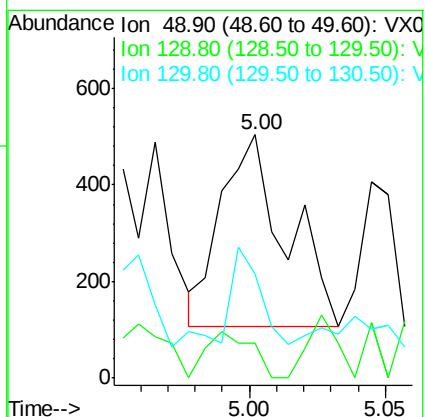
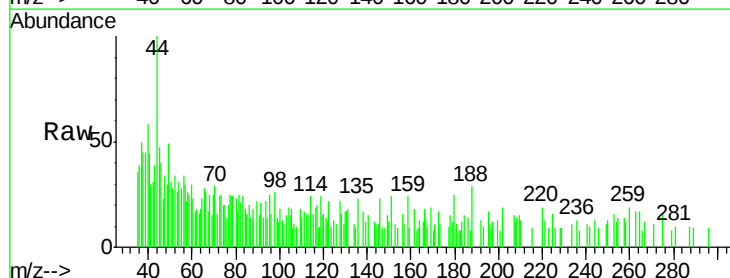
Tgt Ion: 49 Resp: 654

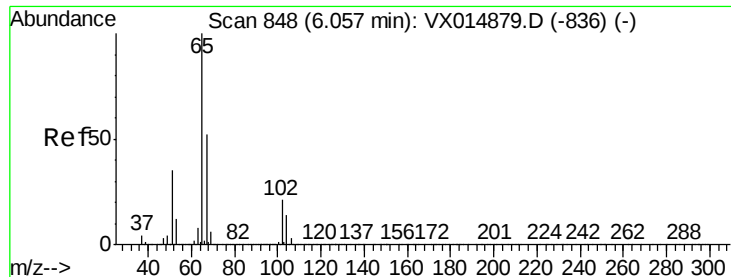
Ion Ratio Lower Upper

49 100

129 17.0 0.0 5.2#

130 32.6 67.4 101.2#

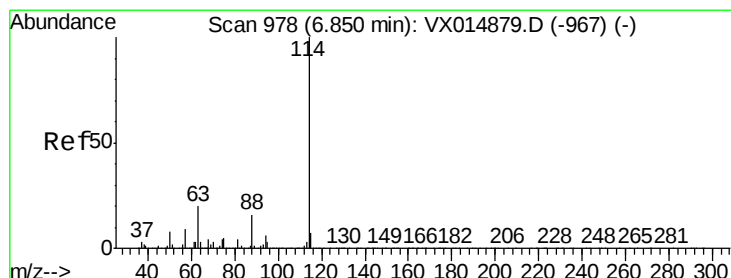
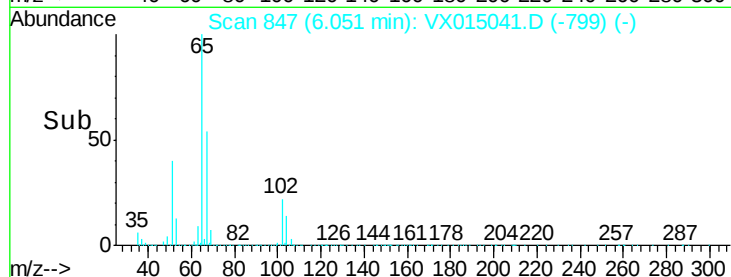
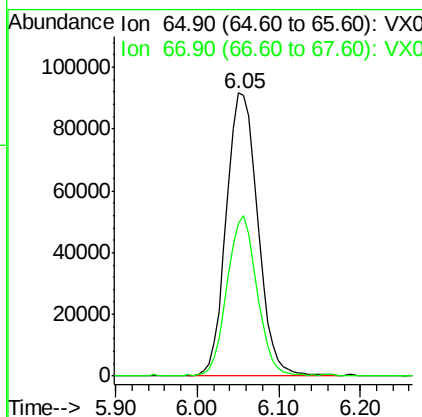
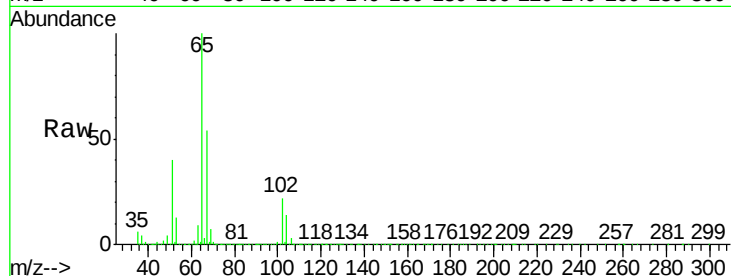




#33
 1,2-Dichloroethane-d4
 Concen: 50.37 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015041.D
 Acq: 27 Feb 2020 12:36

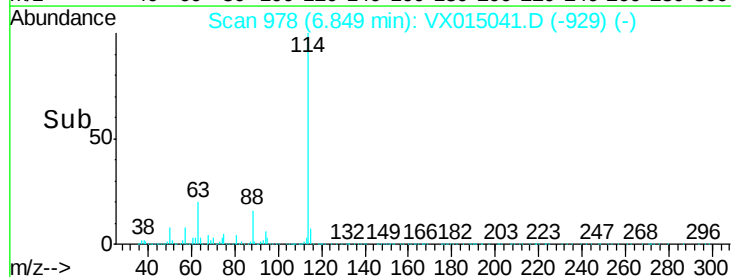
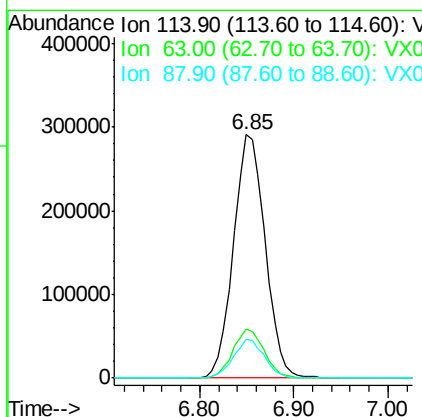
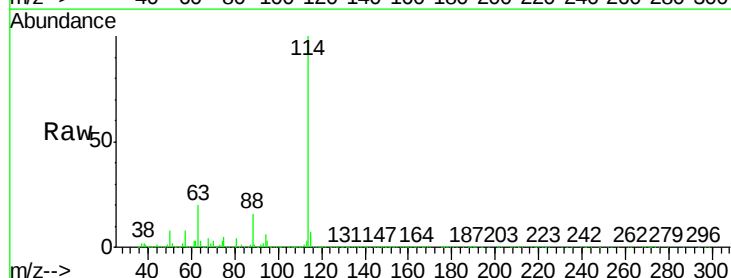
Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCHLN-20200225

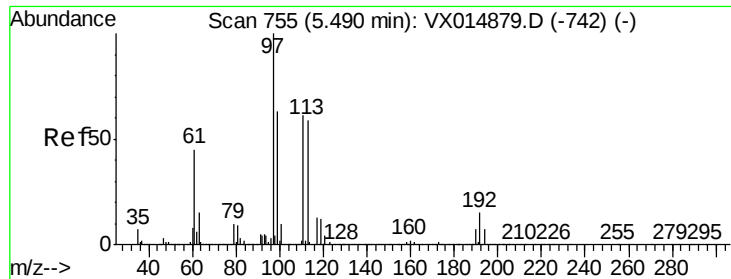
Tgt Ion: 65 Resp: 244212
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015041.D
 Acq: 27 Feb 2020 12:36

Tgt Ion: 114 Resp: 679946
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 16.0 0.0 32.0

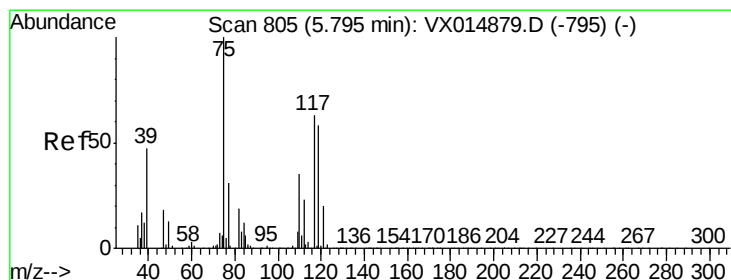
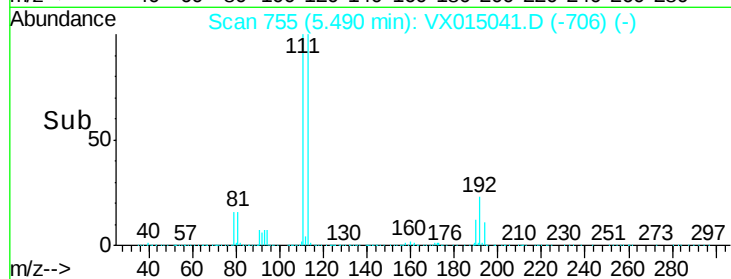
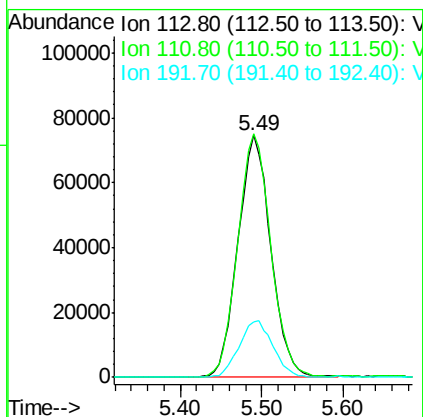
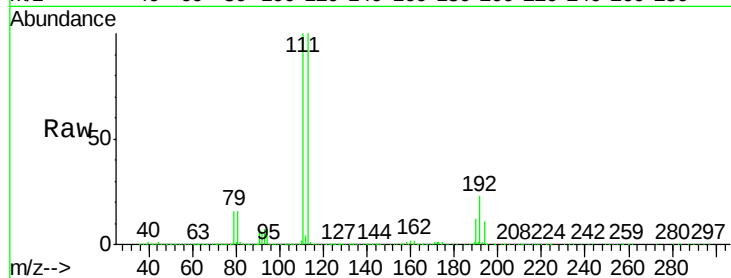




#35
 Dibromofluoromethane
 Concen: 49.88 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015041.D
 Acq: 27 Feb 2020 12:36

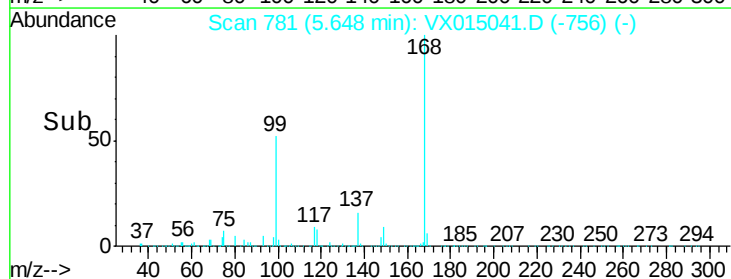
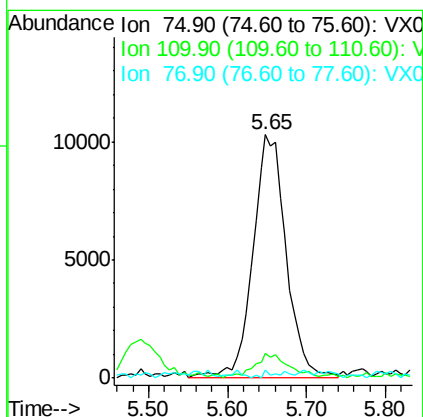
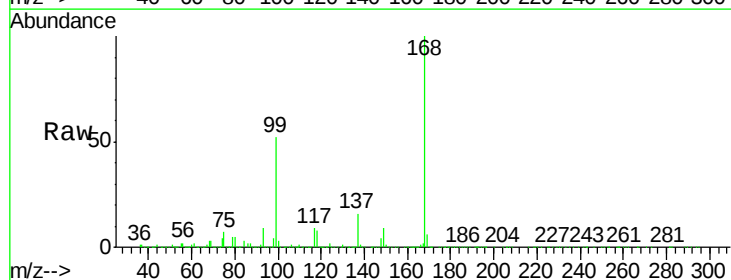
Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCHLN-20200225

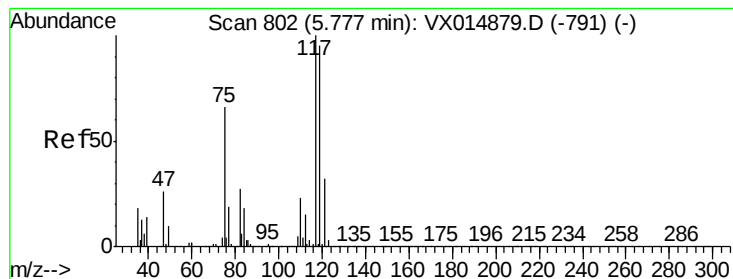
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	24.4	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.97 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015041.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.3	54.8#
77	1.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.21 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225

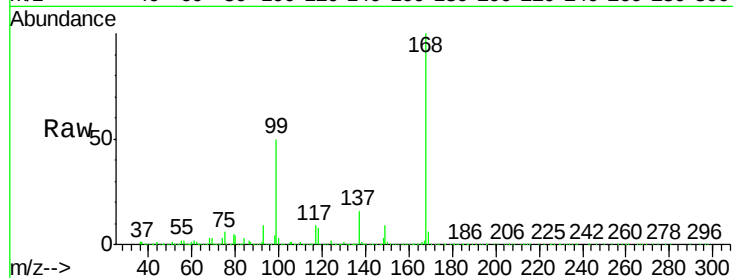
Tgt Ion:117 Resp: 36831

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

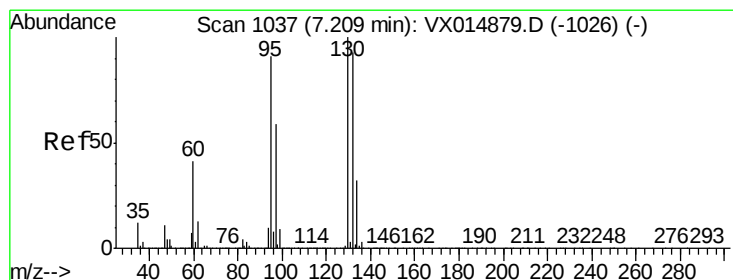
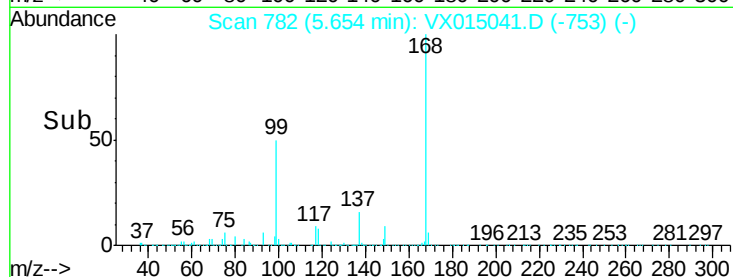
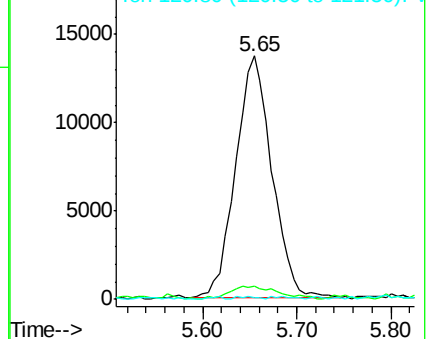
121 0.8 25.4 38.2#



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



#44

Trichloroethene

Concen: 143.15 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015041.D

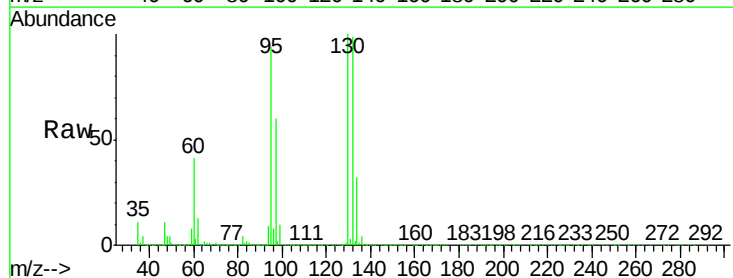
Acq: 27 Feb 2020 12:36

Tgt Ion:130 Resp: 755177

Ion Ratio Lower Upper

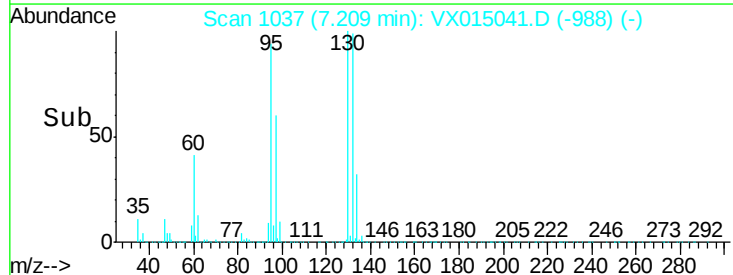
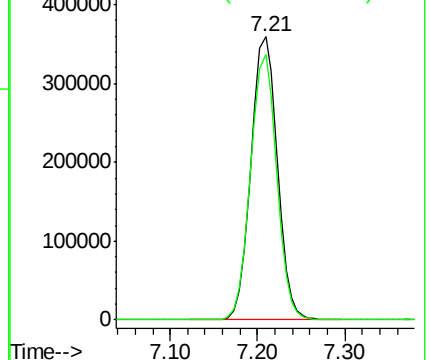
130 100

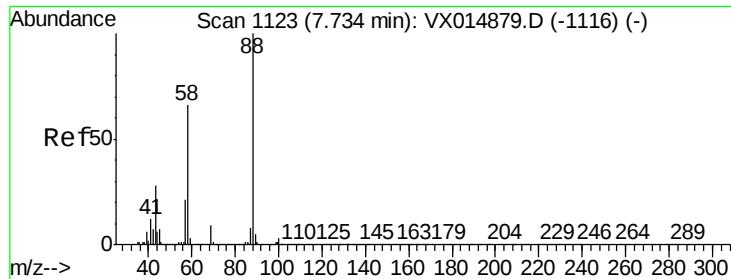
95 93.9 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 4.54 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225

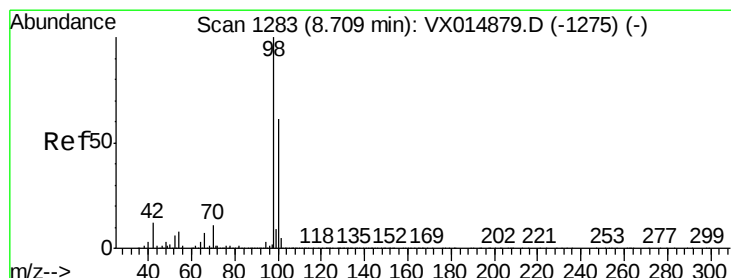
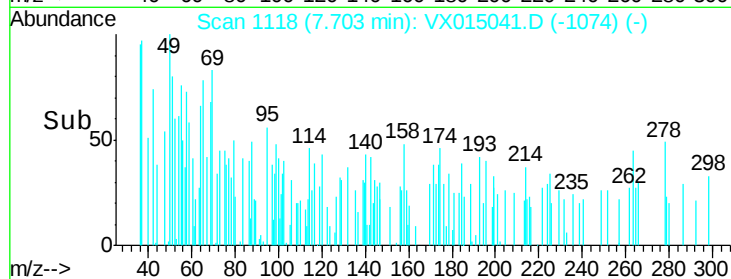
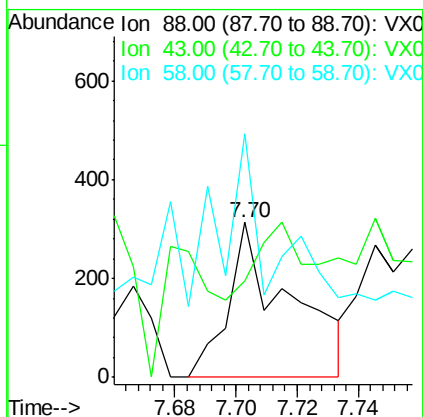
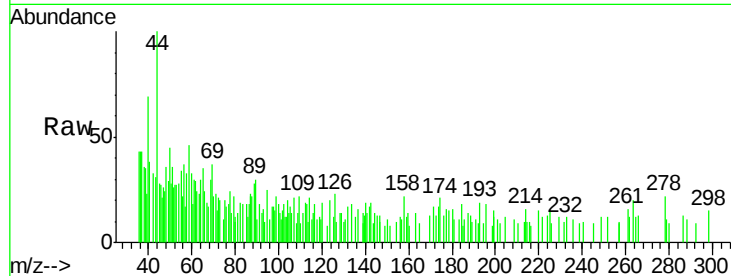
Tgt Ion: 88 Resp: 437

Ion Ratio Lower Upper

88 100

43 39.1 27.0 40.4

58 65.7 53.2 79.8



#50

Toluene-d8

Concen: 51.22 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015041.D

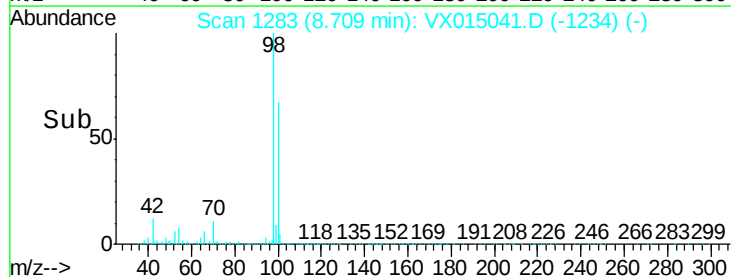
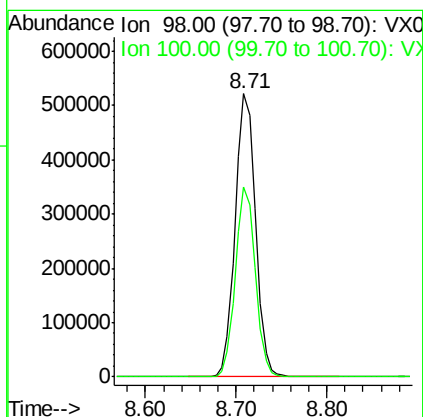
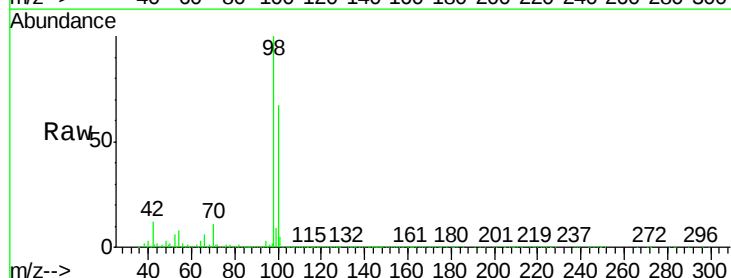
Acq: 27 Feb 2020 12:36

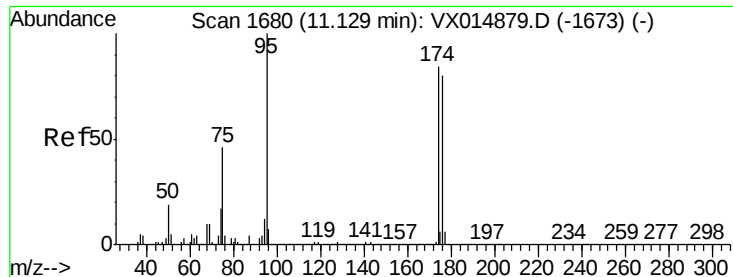
Tgt Ion: 98 Resp: 817192

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6

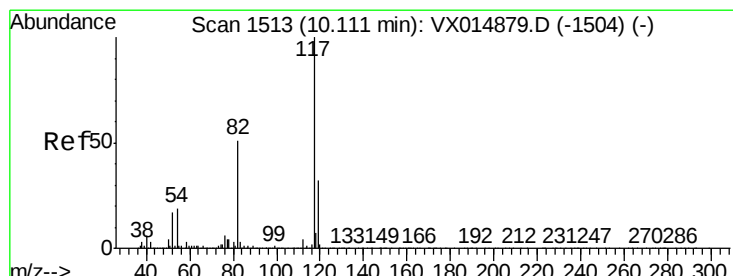
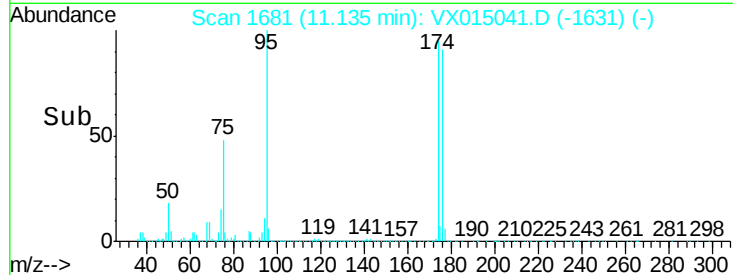
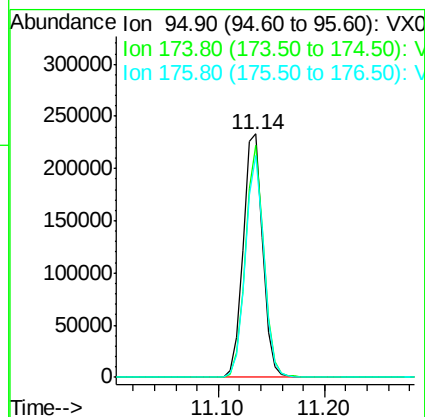
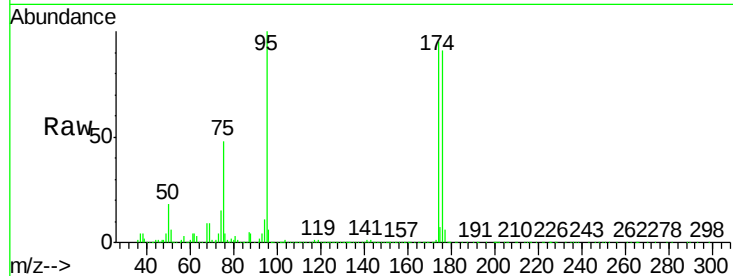




#62
4-Bromofluorobenzene
Concen: 52.24 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015041.D
Acq: 27 Feb 2020 12:36

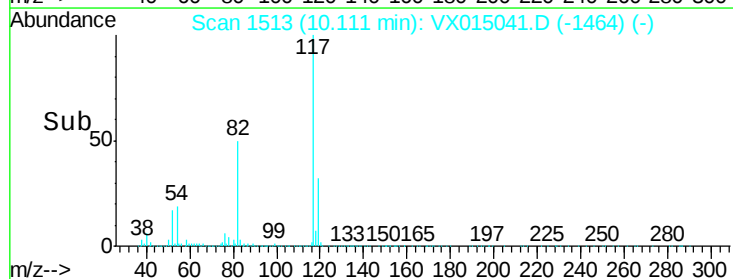
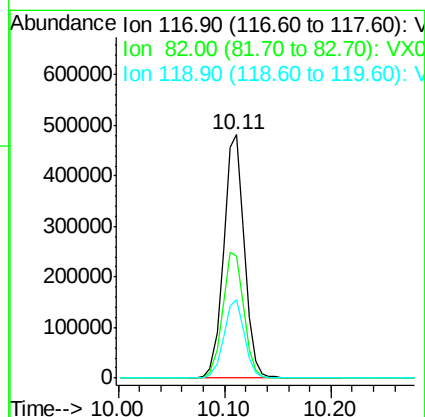
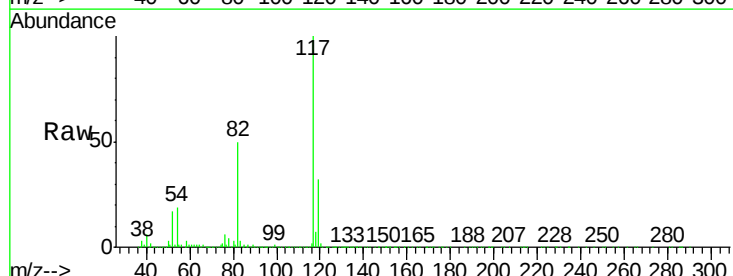
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCHLN-20200225

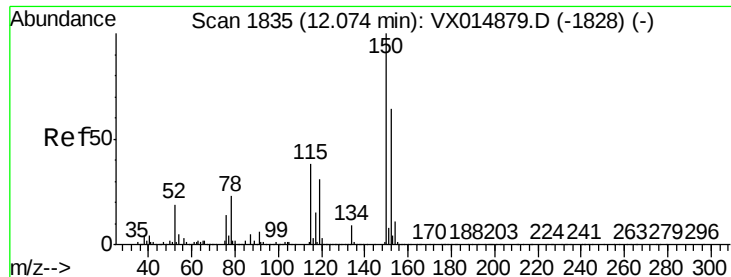
Tgt Ion: 95 Resp: 300272
Ion Ratio Lower Upper
95 100
174 90.1 0.0 183.0
176 87.4 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015041.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 117 Resp: 651458
Ion Ratio Lower Upper
117 100
82 49.9 40.5 60.7
119 32.1 25.8 38.6



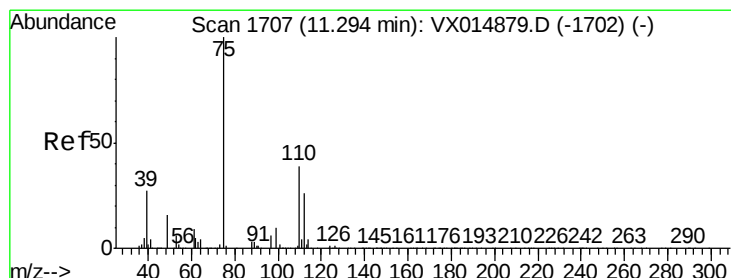
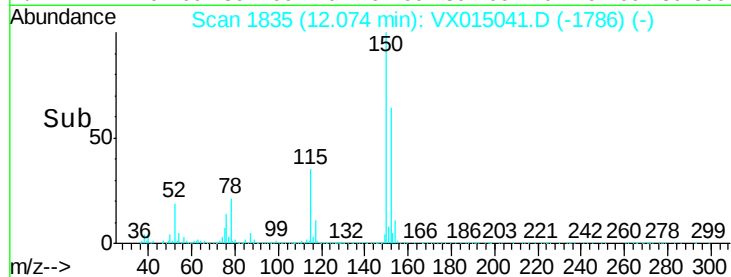
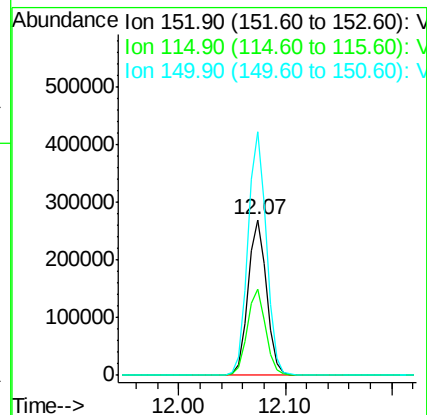
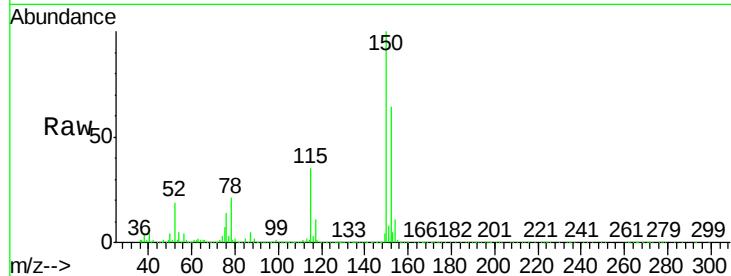


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015041.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCHLN-20200225

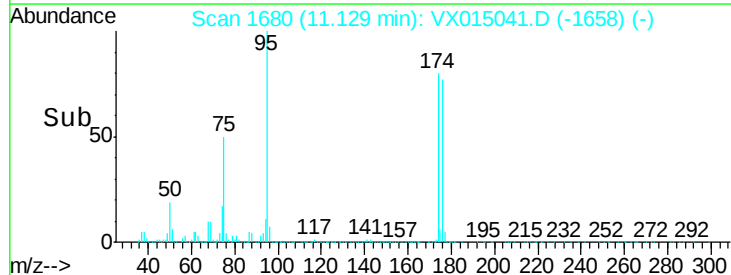
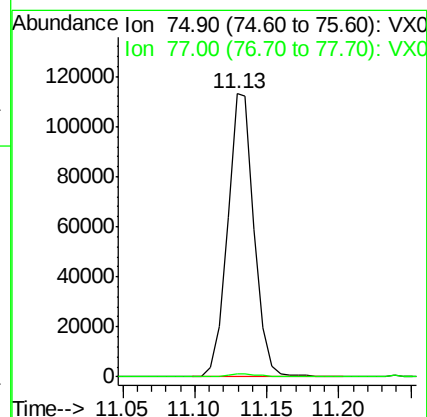
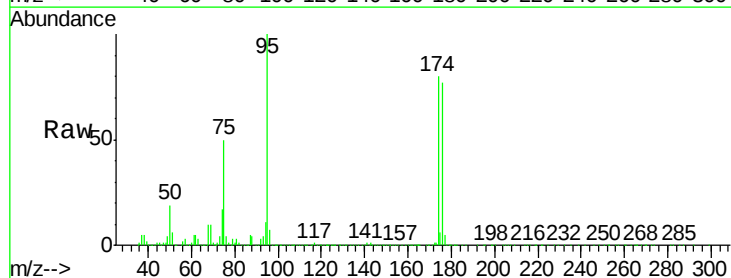
Tgt Ion:152 Resp: 328102
Ion Ratio Lower Upper
152 100
115 55.6 38.6 116.0
150 157.2 0.0 349.0

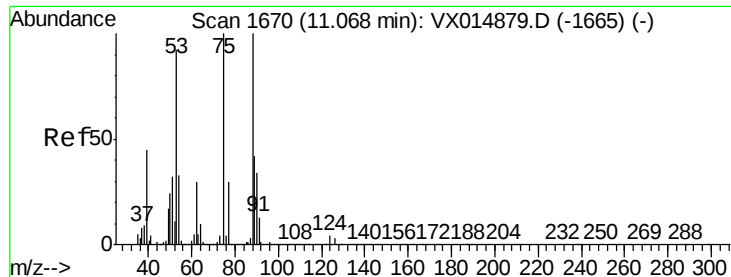


#76

1,2,3-Trichloropropane
Concen: 24.60 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015041.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 75 Resp: 145955
Ion Ratio Lower Upper
75 100
77 1.2 18.4 55.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.97 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015041.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225

Tgt Ion: 75 Resp: 145955

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.1 35.8 53.6#

