

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
 Data File : VX015039.D
 Acq On : 27 Feb 2020 11:51
 Operator : JC/SP
 Sample : L1683-16DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCHLN-20200225DL

Quant Time: Feb 27 15:48:13 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	434053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	692584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	659628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331845	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	248590	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.49	113	211474	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	835304	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.13	95	304055	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	

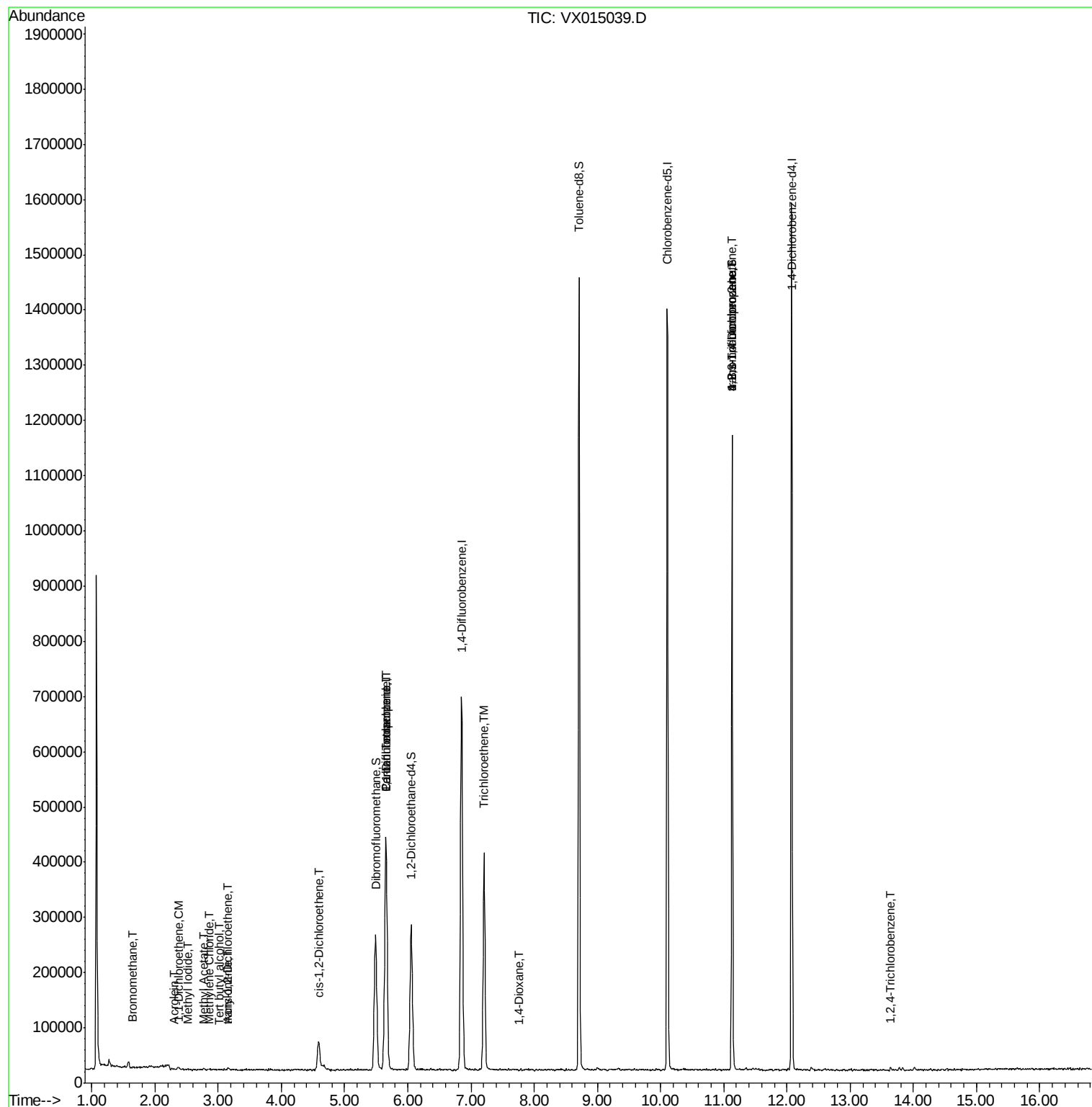
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1211	0.37	ug/l #	75
10) Methyl Iodide	2.52	142	1947	4.76	ug/l #	50
11) Tert butyl alcohol	3.02	59	538	0.62	ug/l #	52
12) 1,1-Dichloroethene	2.37	96	1603	0.40	ug/l #	58
13) Acrolein	2.29	56	315	0.48	ug/l #	15
15) Acrylonitrile	3.15	53	679	0.31	ug/l #	33
16) Acetone	2.42	43	1787	Below Cal	#	50
18) Methyl Acetate	2.76	43	1315	0.27	ug/l #	69
20) Methylene Chloride	2.86	84	1023	0.22	ug/l #	52
21) trans-1,2-Dichloroethene	3.16	96	1875	0.43	ug/l	85
27) cis-1,2-Dichloroethene	4.59	96	33501	6.83	ug/l	92
36) 1,1-Dichloropropene	5.65	75	28325	4.57	ug/l #	52
38) Carbon Tetrachloride	5.65	117	38617	6.40	ug/l #	16
44) Trichloroethene	7.21	130	158532	29.50	ug/l	99
49) 1,4-Dioxane	7.76	88	130	1.33	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	148709	24.78	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	148709	63.43	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.65	180	1767	0.23	ug/l	85

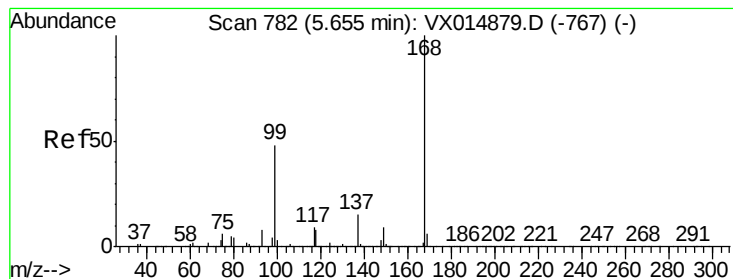
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

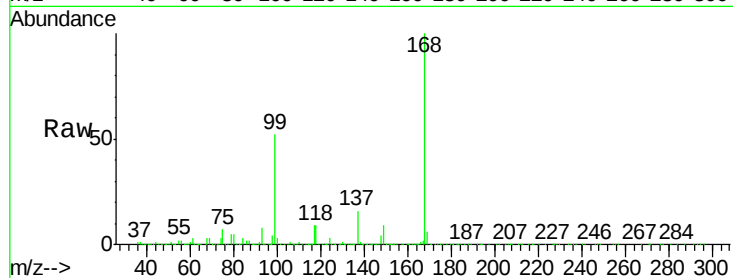
WEST-DITCHLN-20200225DL

Tgt Ion:168 Resp: 434053

Ion Ratio Lower Upper

168 100

99 51.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

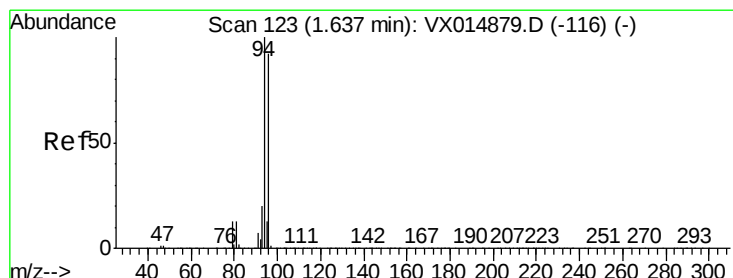
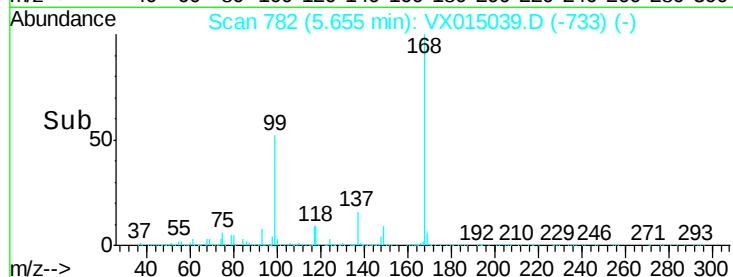
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.37 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX015039.D

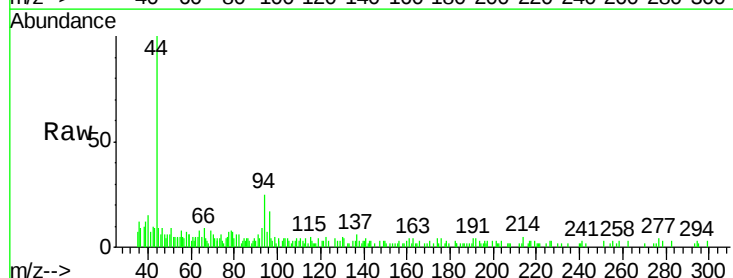
Acq: 27 Feb 2020 11:51

Tgt Ion: 94 Resp: 1211

Ion Ratio Lower Upper

94 100

96 67.9 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

800

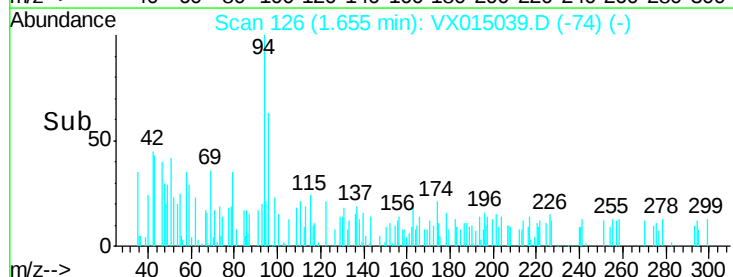
600

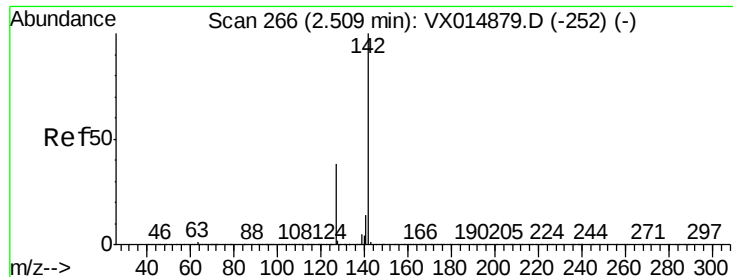
400

200

0

Time-->

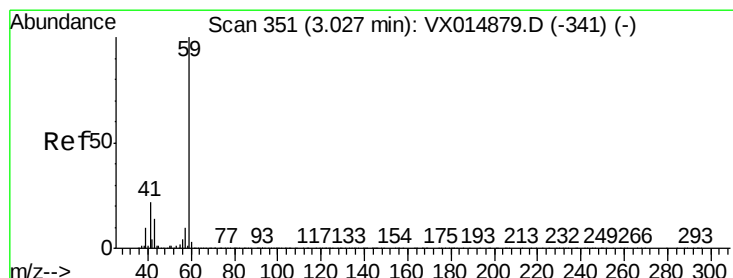
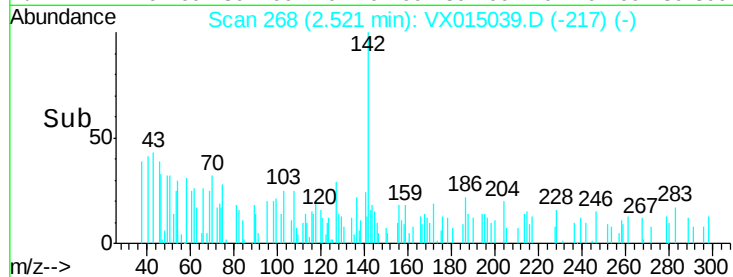
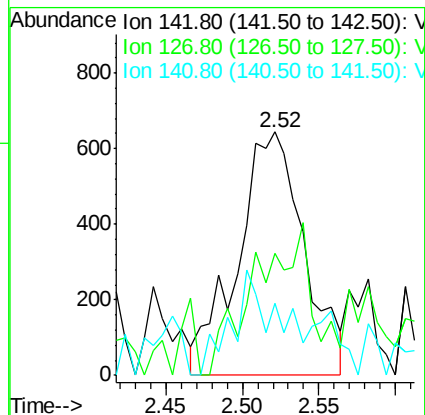
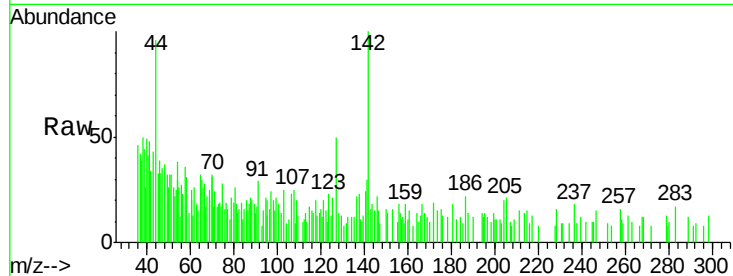




#10
Methyl Iodide
Concen: 4.76 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX015039.D
Acq: 27 Feb 2020 11:51

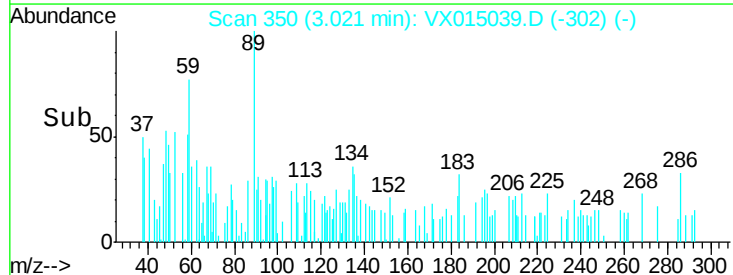
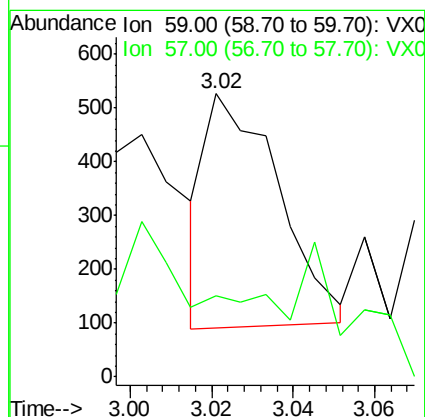
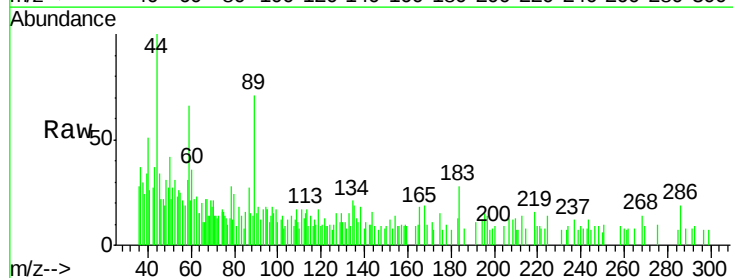
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCHLN-20200225DL

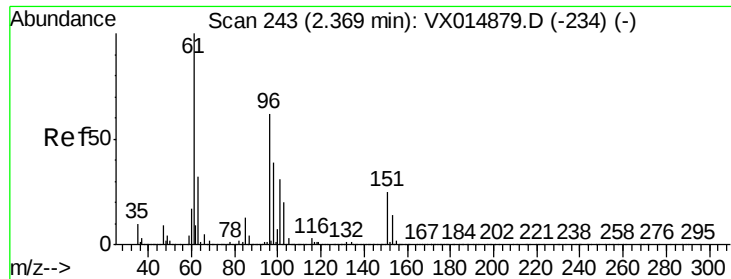
Tgt Ion:142 Resp: 1947
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 19.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.62 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX015039.D
Acq: 27 Feb 2020 11:51

Tgt Ion: 59 Resp: 538
Ion Ratio Lower Upper
59 100
57 28.1 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.40 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

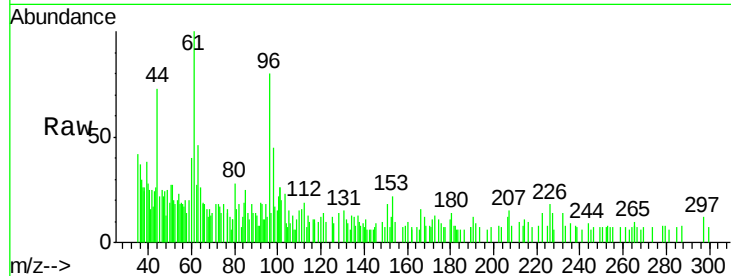
Tgt Ion: 96 Resp: 1603

Ion Ratio Lower Upper

96 100

61 95.9 129.5 194.3#

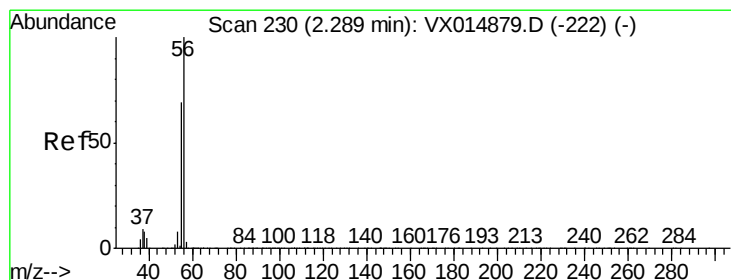
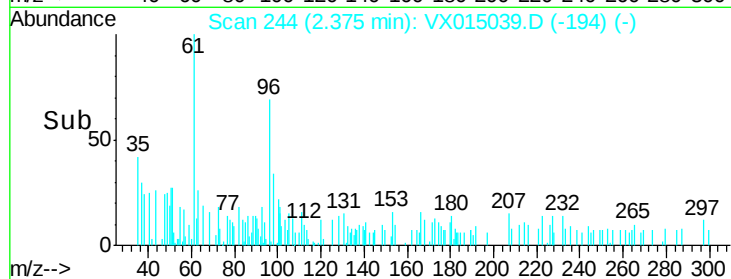
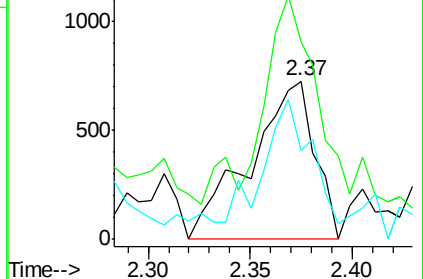
98 46.2 50.6 76.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.48 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015039.D

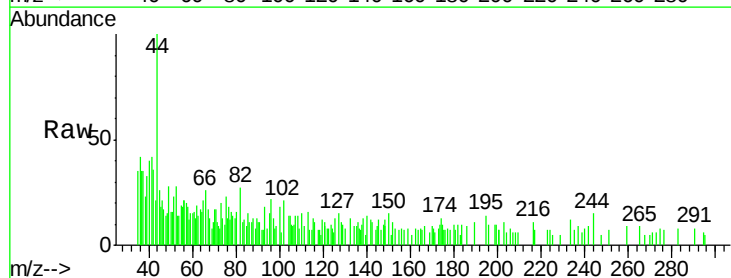
Acq: 27 Feb 2020 11:51

Tgt Ion: 56 Resp: 315

Ion Ratio Lower Upper

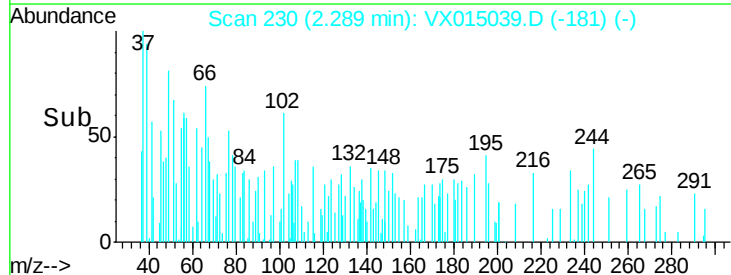
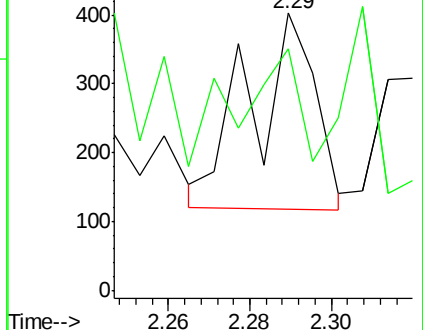
56 100

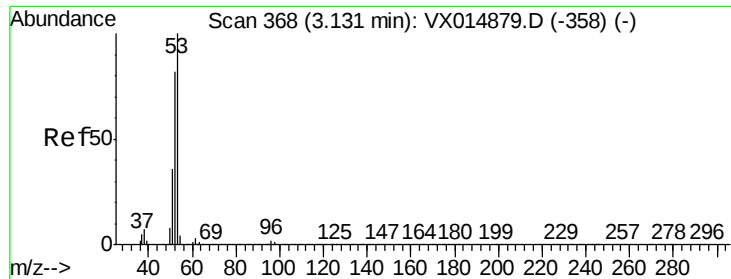
55 0.0 55.0 82.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

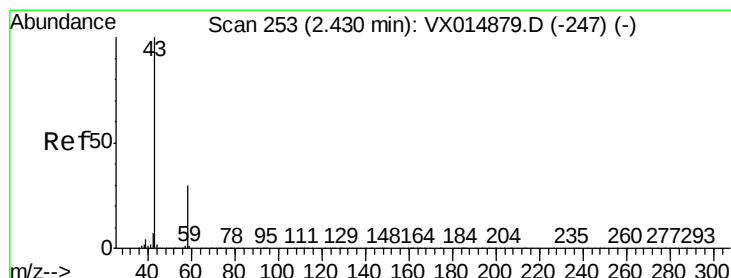
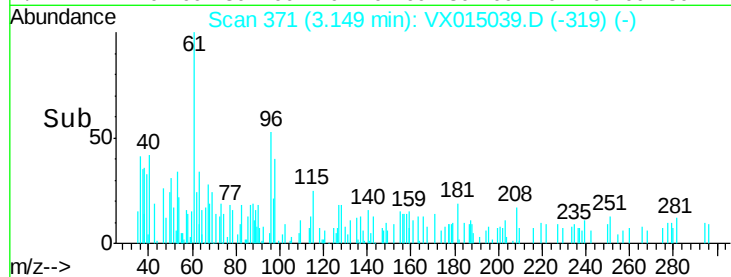
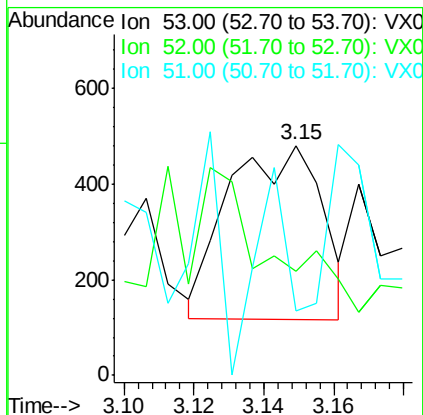
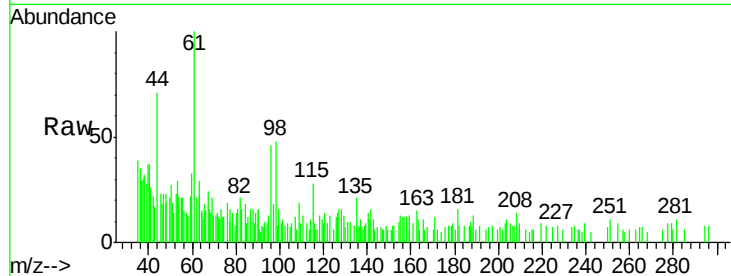
Tgt Ion: 53 Resp: 679

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

51 42.9 29.1 43.7



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX015039.D

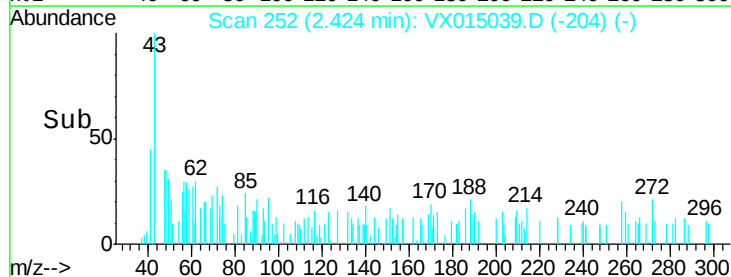
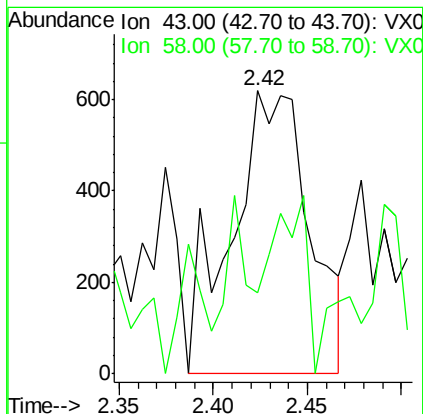
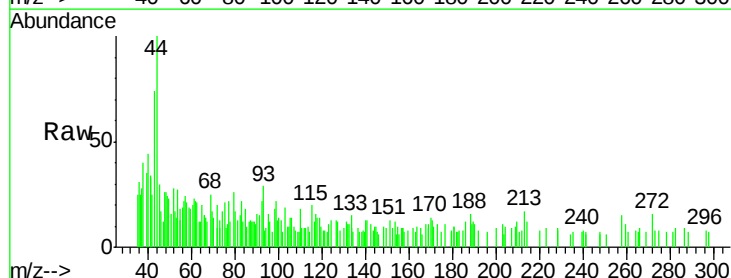
Acq: 27 Feb 2020 11:51

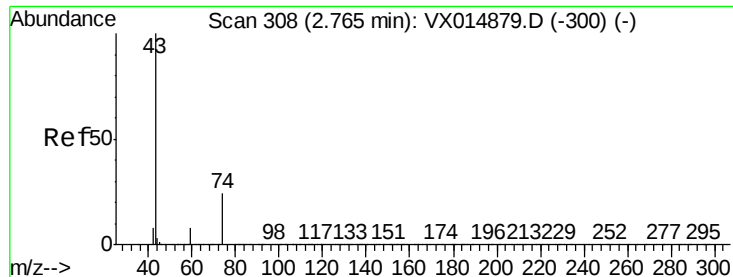
Tgt Ion: 43 Resp: 1787

Ion Ratio Lower Upper

43 100

58 3.2 24.1 36.1#

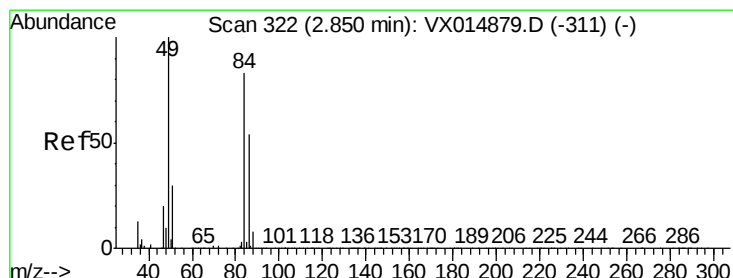
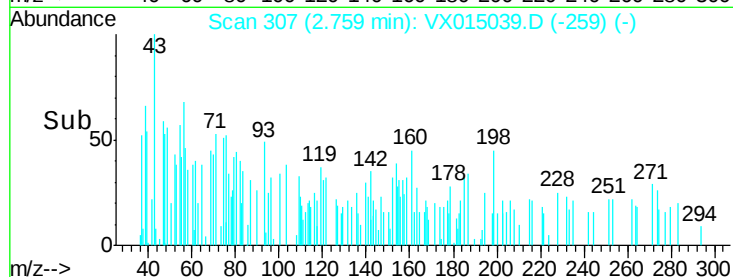
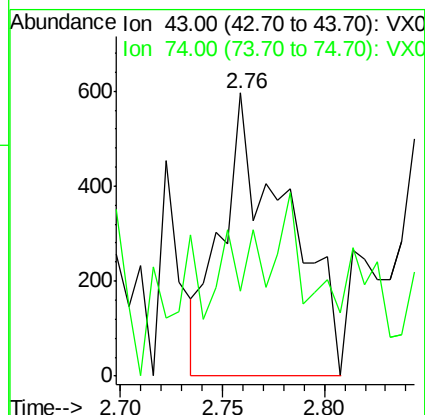
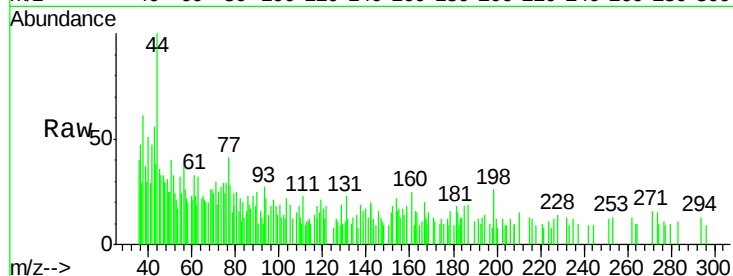




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015039.D
Acq: 27 Feb 2020 11:51

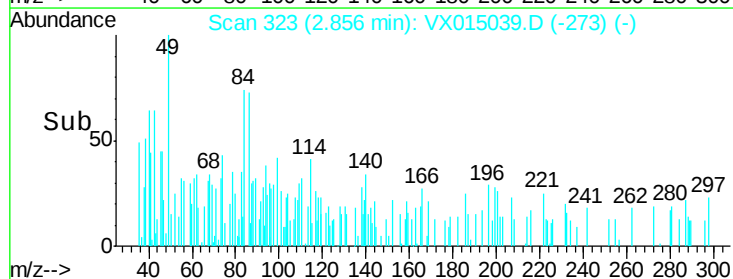
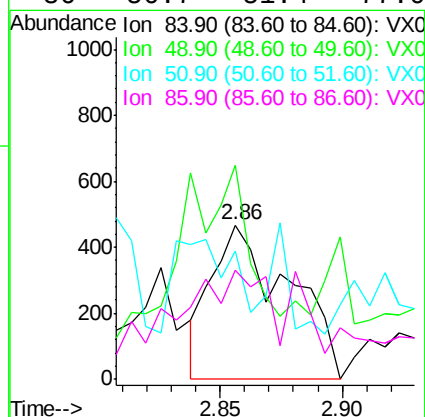
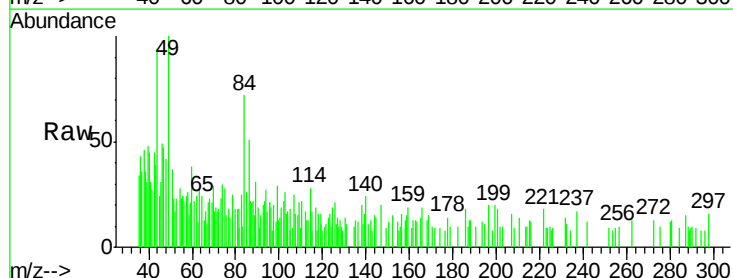
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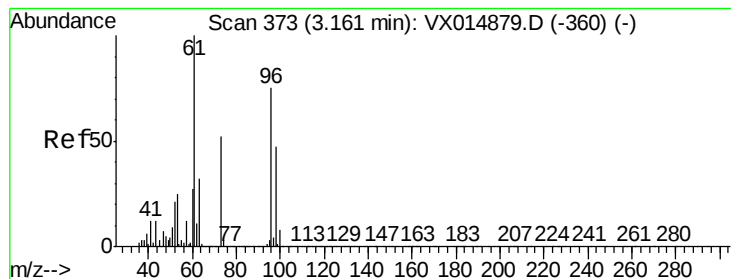
Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
74 8.8 19.4 29.0#



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX015039.D
Acq: 27 Feb 2020 11:51

Tgt Ion: 84 Resp: 1023
Ion Ratio Lower Upper
84 100
49 46.5 95.6 143.4#
51 3.0 29.0 43.6#
86 56.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 0.43 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

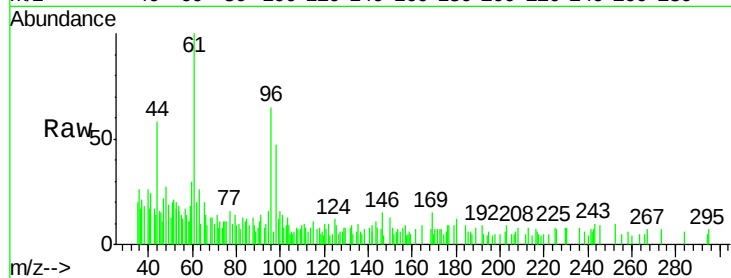
Tgt Ion: 96 Resp: 1875

Ion Ratio Lower Upper

96 100

61 151.9 106.9 160.3

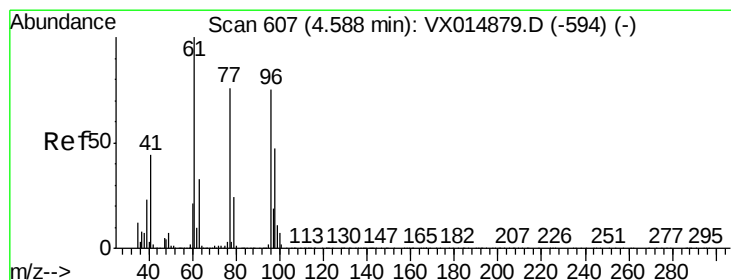
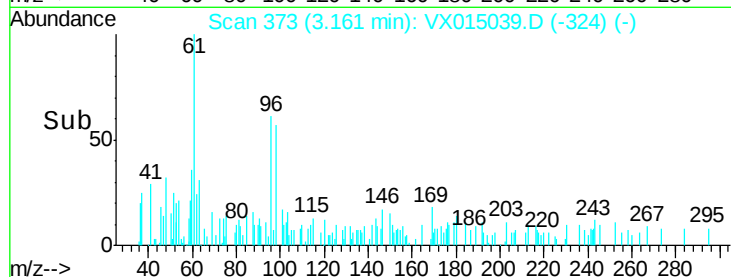
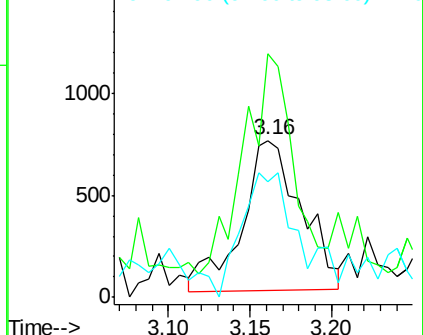
98 73.4 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 6.83 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

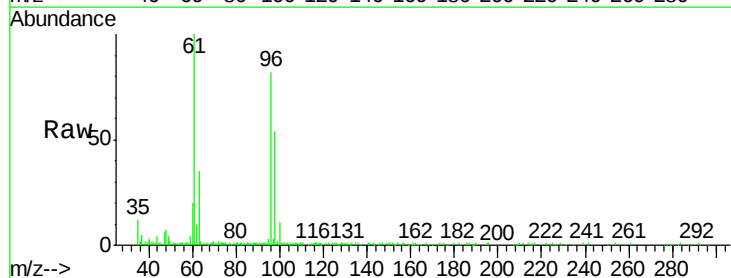
Tgt Ion: 96 Resp: 33501

Ion Ratio Lower Upper

96 100

61 130.4 0.0 286.2

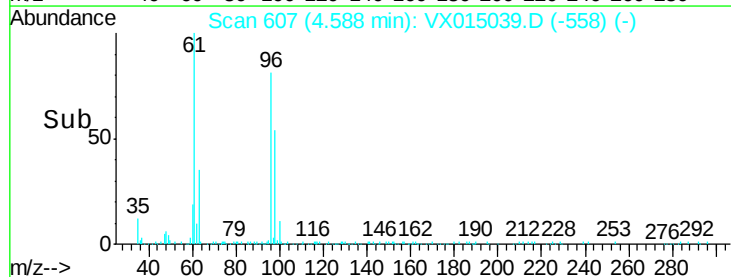
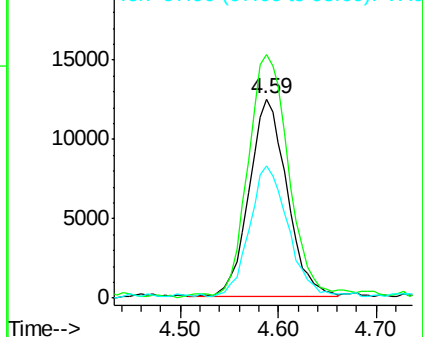
98 66.7 0.0 131.0

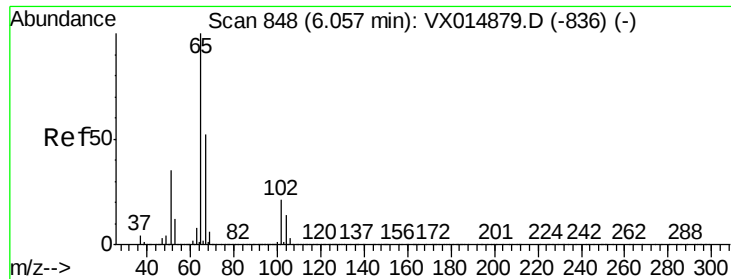


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

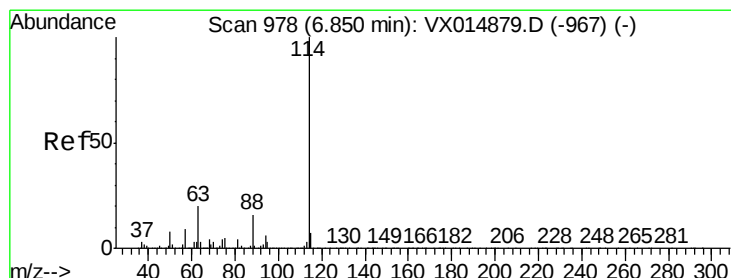
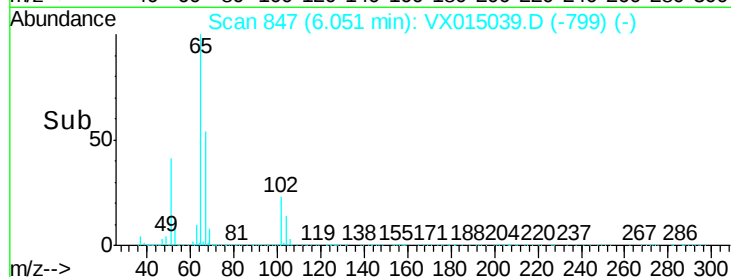
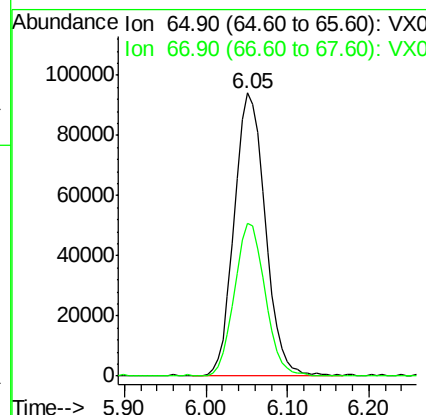
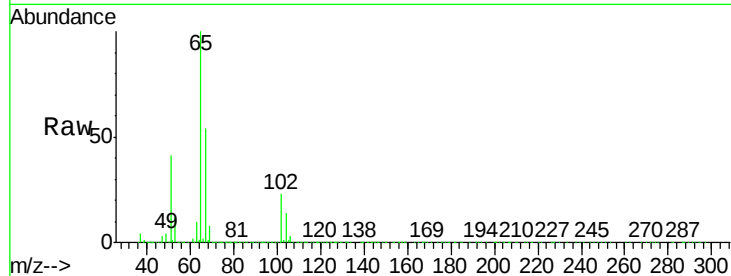




#33
 1,2-Dichloroethane-d4
 Concen: 50.75 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015039.D
 Acq: 27 Feb 2020 11:51

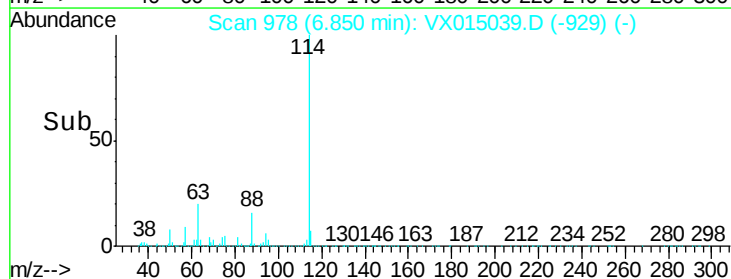
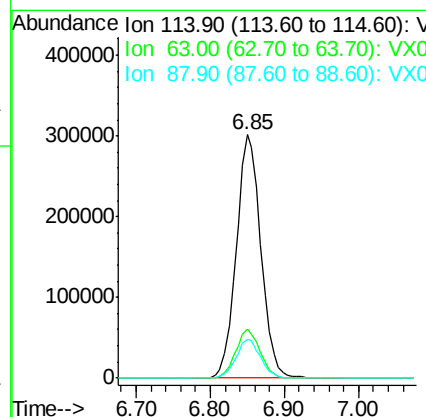
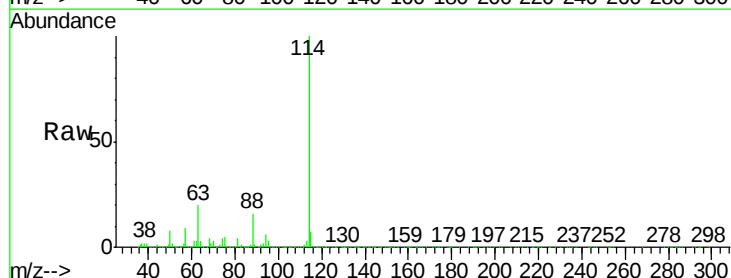
Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCHLN-20200225DL

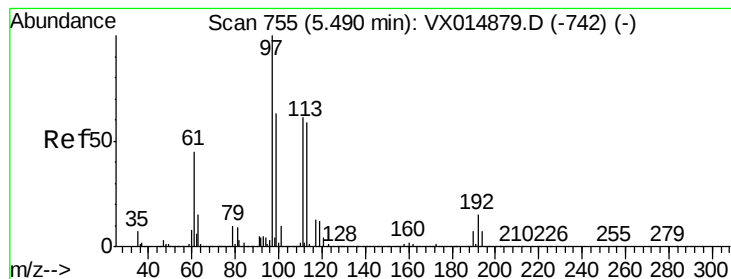
Tgt Ion: 65 Resp: 248590
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015039.D
 Acq: 27 Feb 2020 11:51

Tgt Ion: 114 Resp: 692584
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.67 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

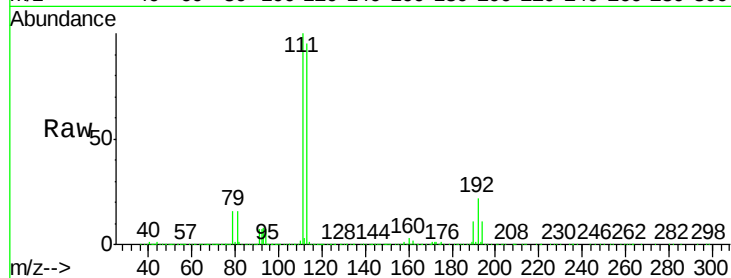
Tgt Ion:113 Resp: 211474

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

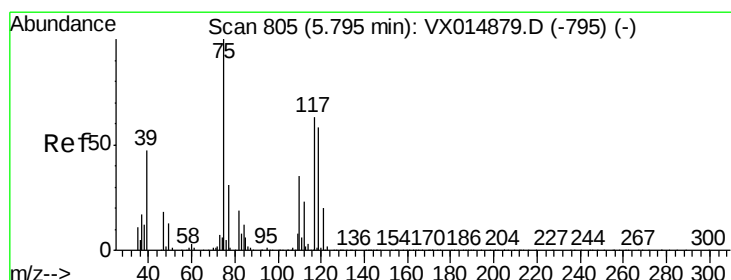
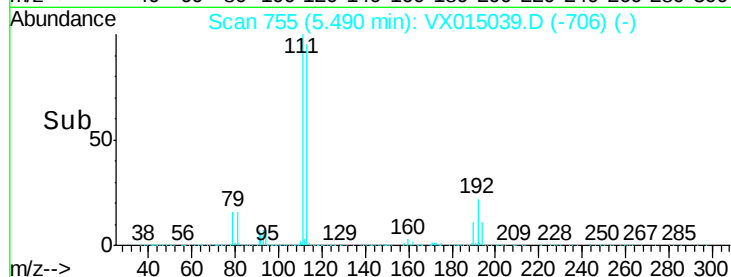
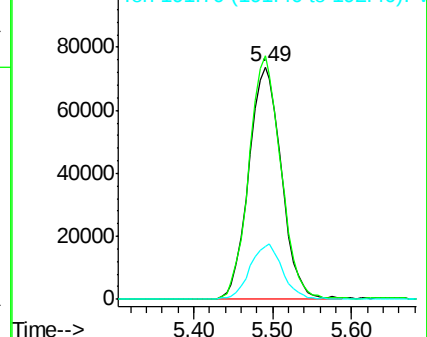
192 23.5 19.1 28.7



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: 4.57 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

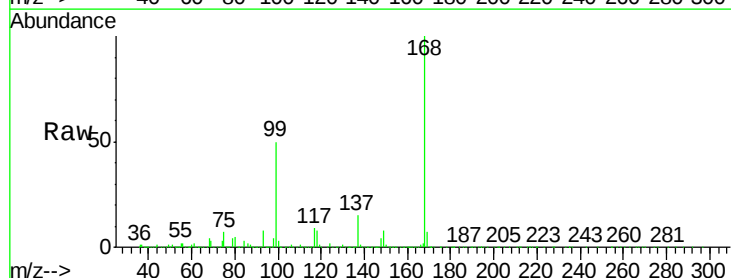
Tgt Ion: 75 Resp: 28325

Ion Ratio Lower Upper

75 100

110 11.3 18.3 54.8#

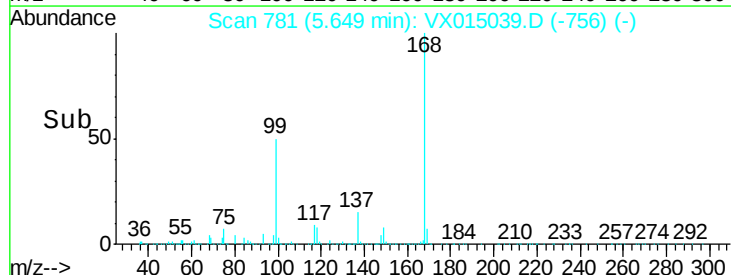
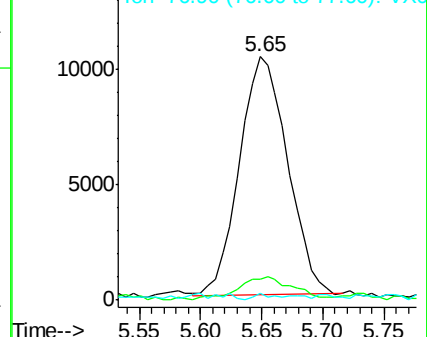
77 1.2 24.6 36.8#

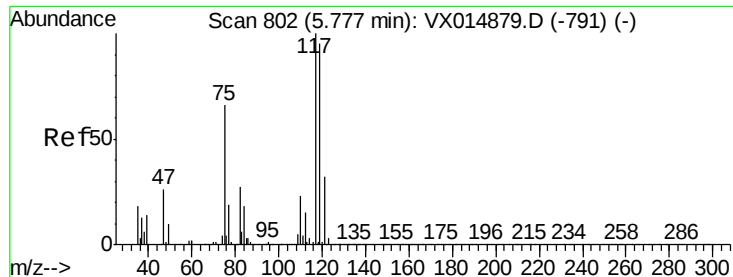


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.40 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

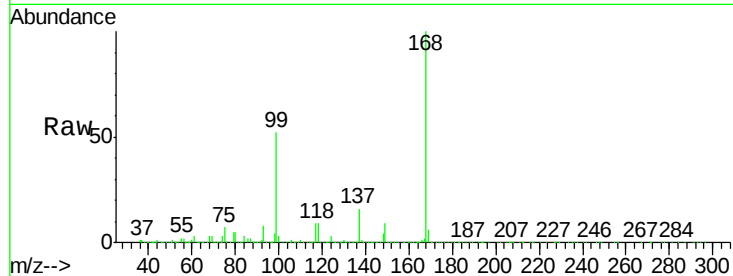
Tgt Ion:117 Resp: 38617

Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

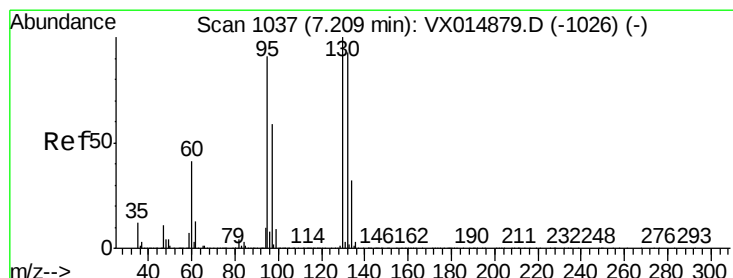
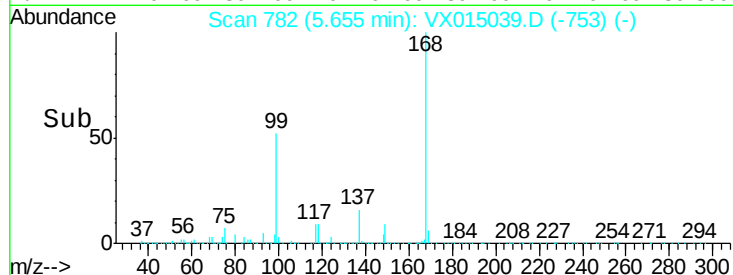
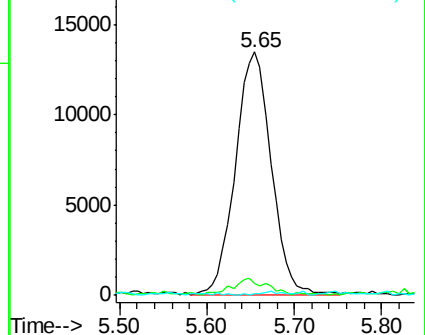
121 0.2 25.4 38.2#



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: 29.50 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015039.D

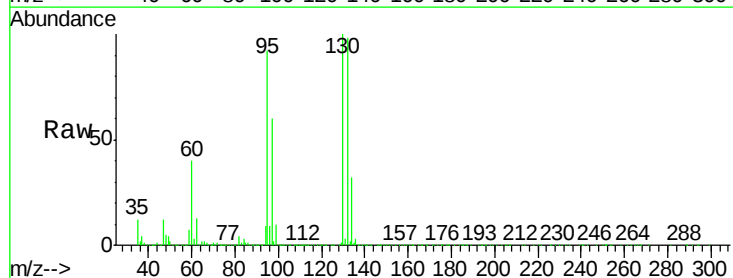
Acq: 27 Feb 2020 11:51

Tgt Ion:130 Resp: 158532

Ion Ratio Lower Upper

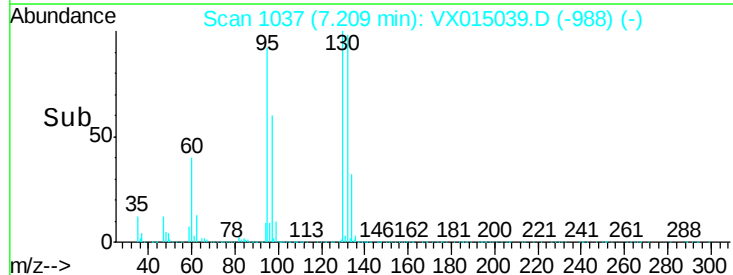
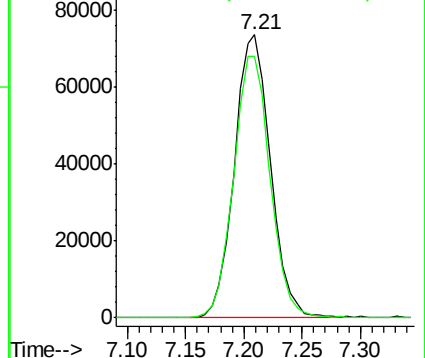
130 100

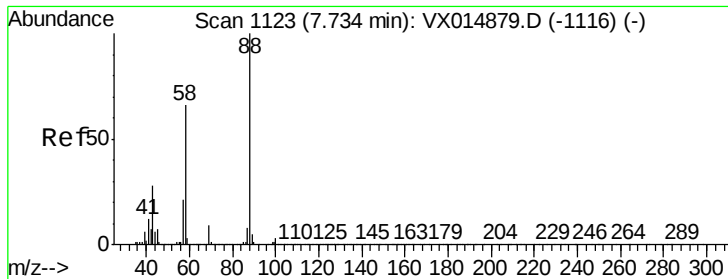
95 92.1 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.33 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

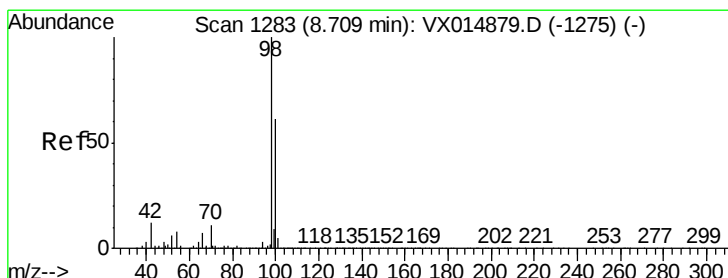
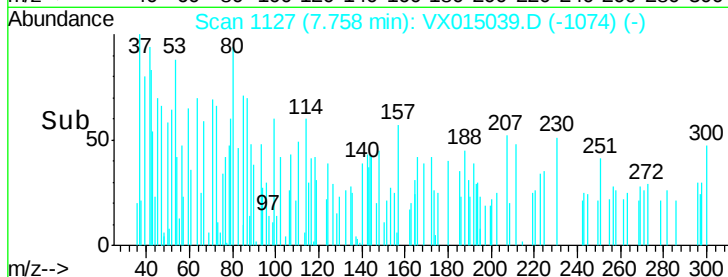
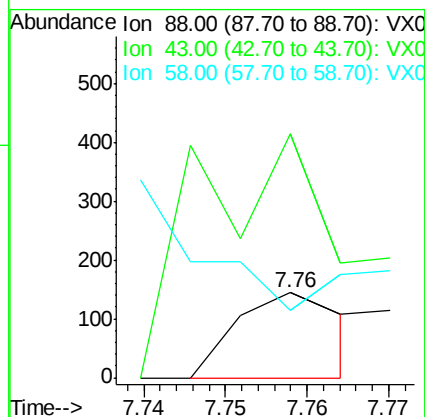
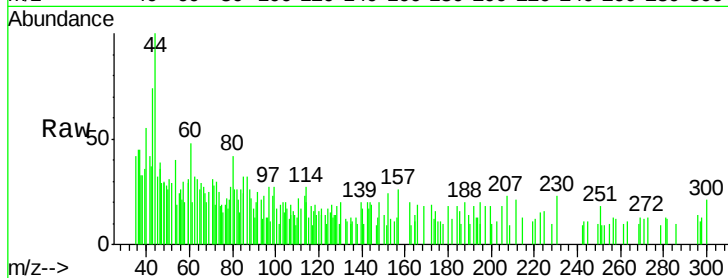
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

43 406.2 27.0 40.4#

58 107.7 53.2 79.8#



#50

Toluene-d8

Concen: 51.40 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015039.D

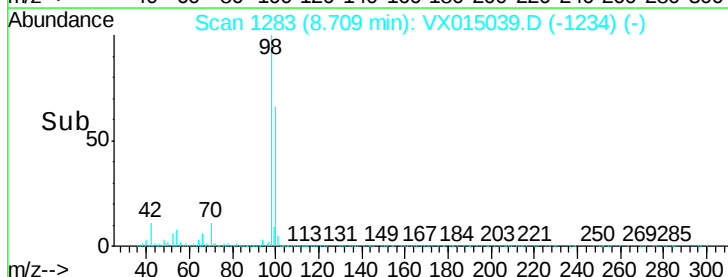
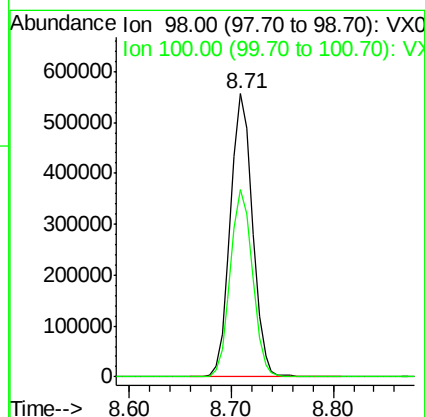
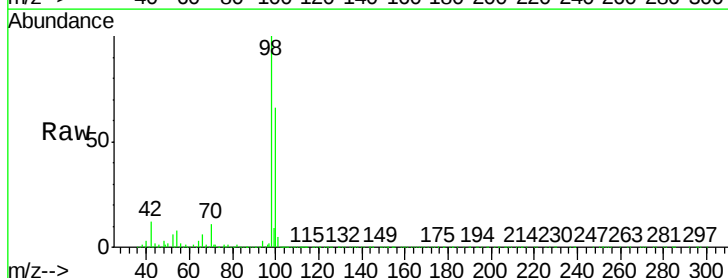
Acq: 27 Feb 2020 11:51

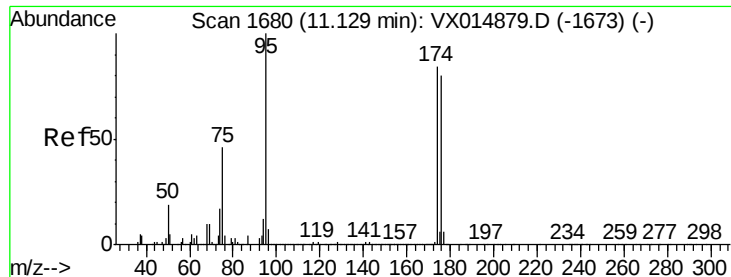
Tgt Ion: 98 Resp: 835304

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 51.93 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

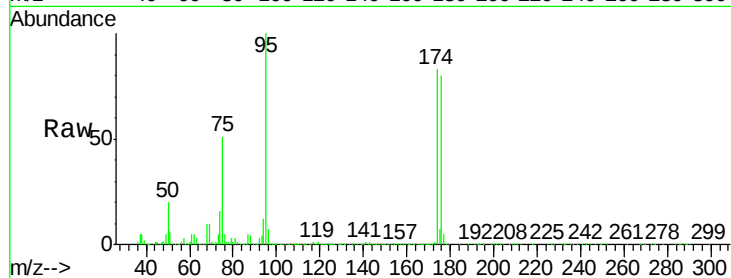
Tgt Ion: 95 Resp: 304055

Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

176 88.2 0.0 178.0

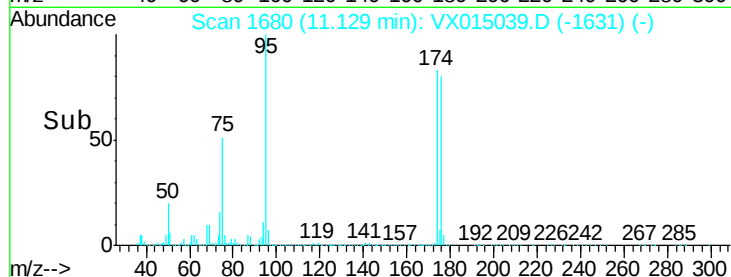


Abundance Ion 94.90 (94.60 to 95.60): VX014879.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014879.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014879.D (-1673) (-)

Time-->



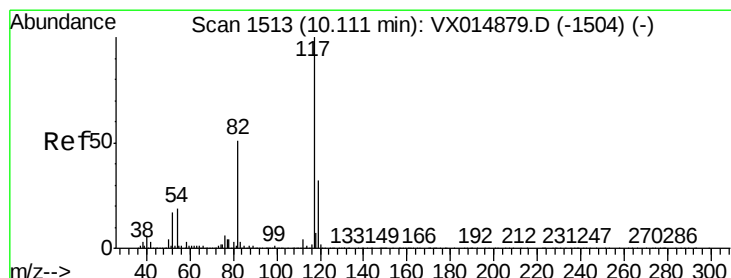
Abundance

Ion 94.90 (94.60 to 95.60): VX014879.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014879.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014879.D (-1673) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

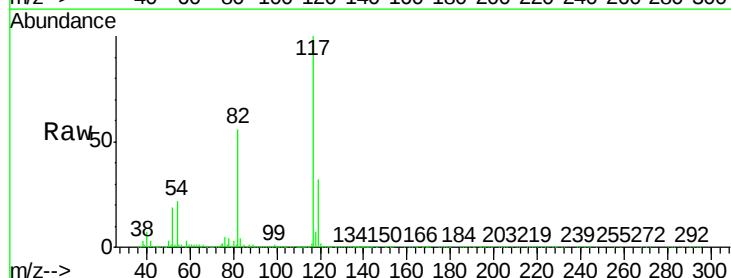
Tgt Ion: 117 Resp: 659628

Ion Ratio Lower Upper

117 100

82 55.7 40.5 60.7

119 32.1 25.8 38.6

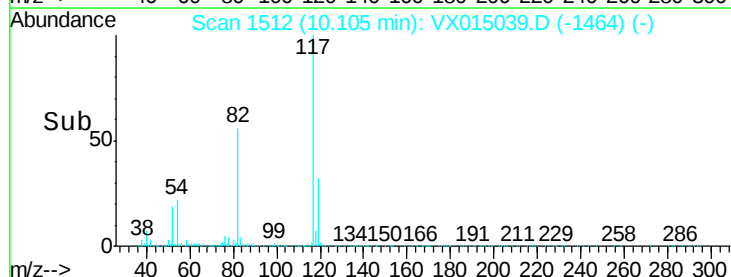


Abundance Ion 116.90 (116.60 to 117.60): VX014879.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014879.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014879.D (-1504) (-)

Time-->



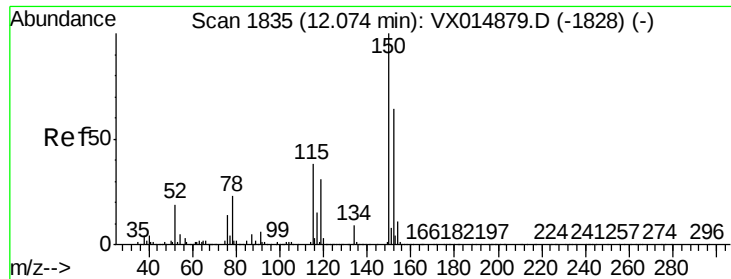
Abundance

Ion 116.90 (116.60 to 117.60): VX014879.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014879.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014879.D (-1504) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

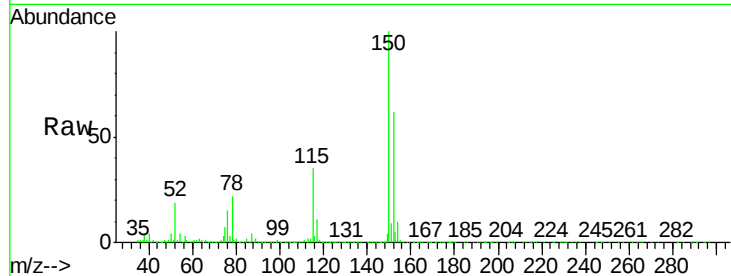
Tgt Ion: 152 Resp: 331845

Ion Ratio Lower Upper

152 100

115 54.7 38.6 116.0

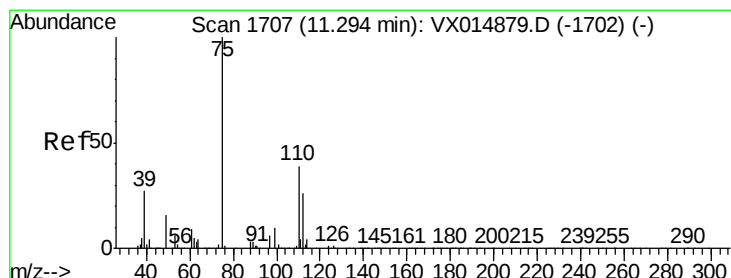
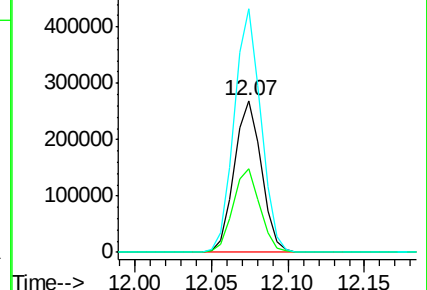
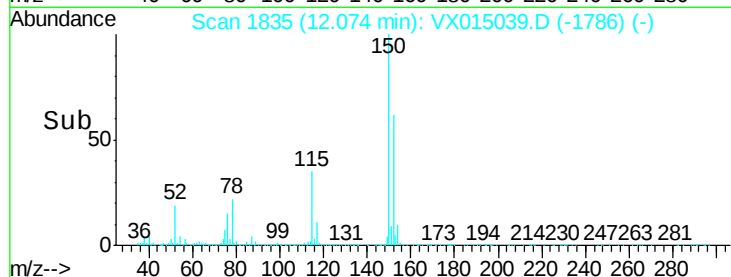
150 157.7 0.0 349.0



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: 24.78 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015039.D

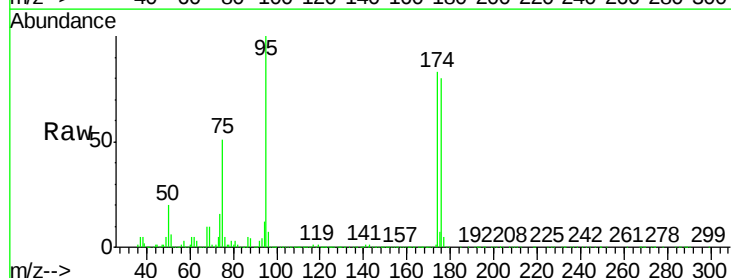
Acq: 27 Feb 2020 11:51

Tgt Ion: 75 Resp: 148709

Ion Ratio Lower Upper

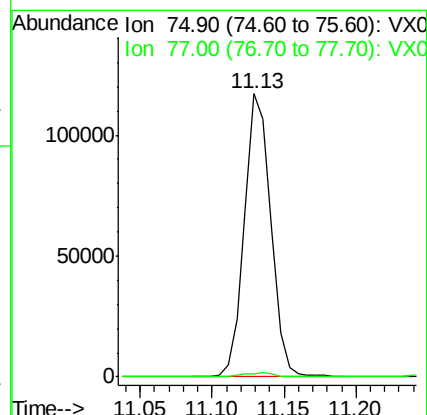
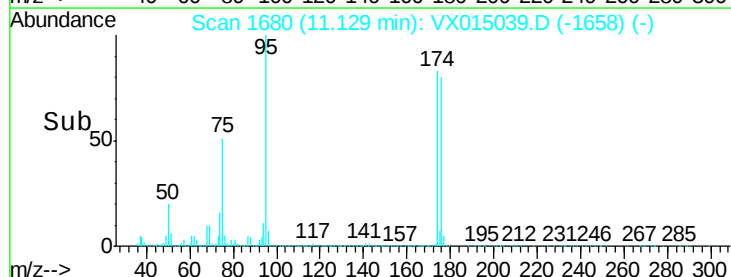
75 100

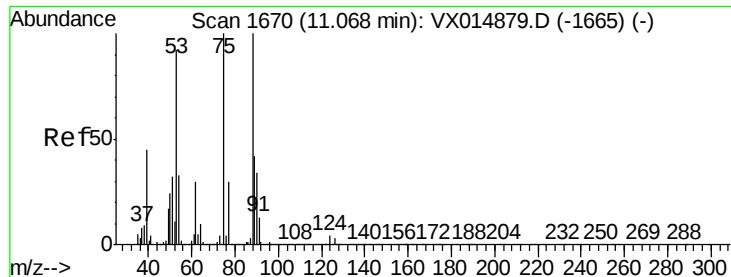
77 1.7 18.4 55.0#



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: 63.43 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCHLN-20200225DL

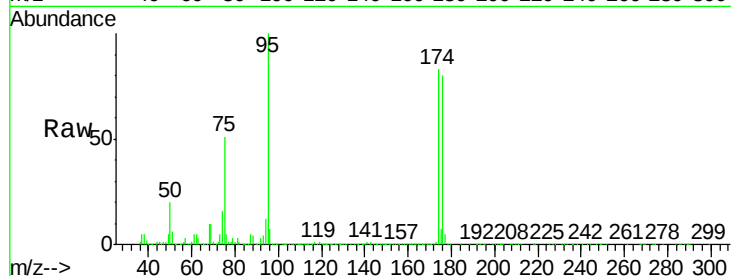
Tgt Ion: 75 Resp: 148709

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

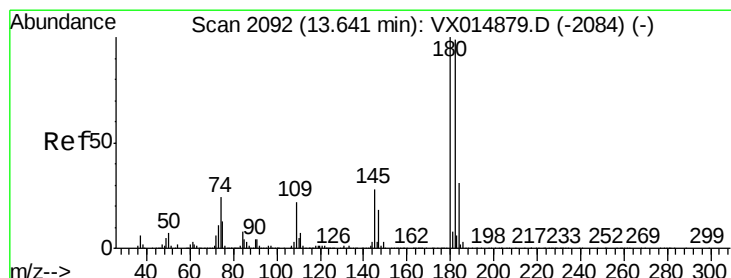
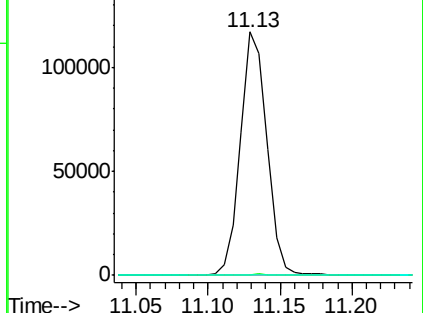
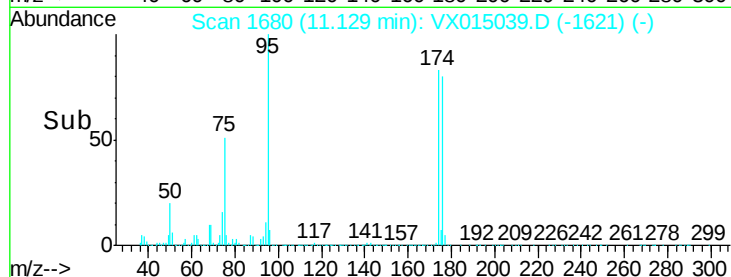
89 0.2 35.8 53.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.23 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX015039.D

Acq: 27 Feb 2020 11:51

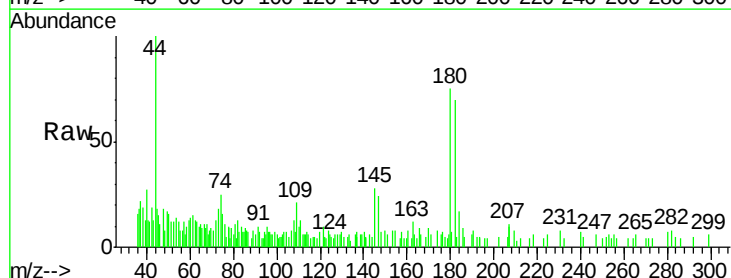
Tgt Ion:180 Resp: 1767

Ion Ratio Lower Upper

180 100

182 110.5 48.4 145.3

145 39.0 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

