

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060818\
 Data File : VX002414.D
 Acq On : 08 Jun 2018 20:43
 Operator : JC/MD
 Sample : J3417-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(JUNE)

Quant Time: Jun 09 05:00:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	39435	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	223533	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	205085	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.07	65	95385	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%	
60) 4-Bromofluorobenzene		11.14	95	101214	28.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.10%	
63) Toluene-d8		8.72	98	258713	28.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.33%	

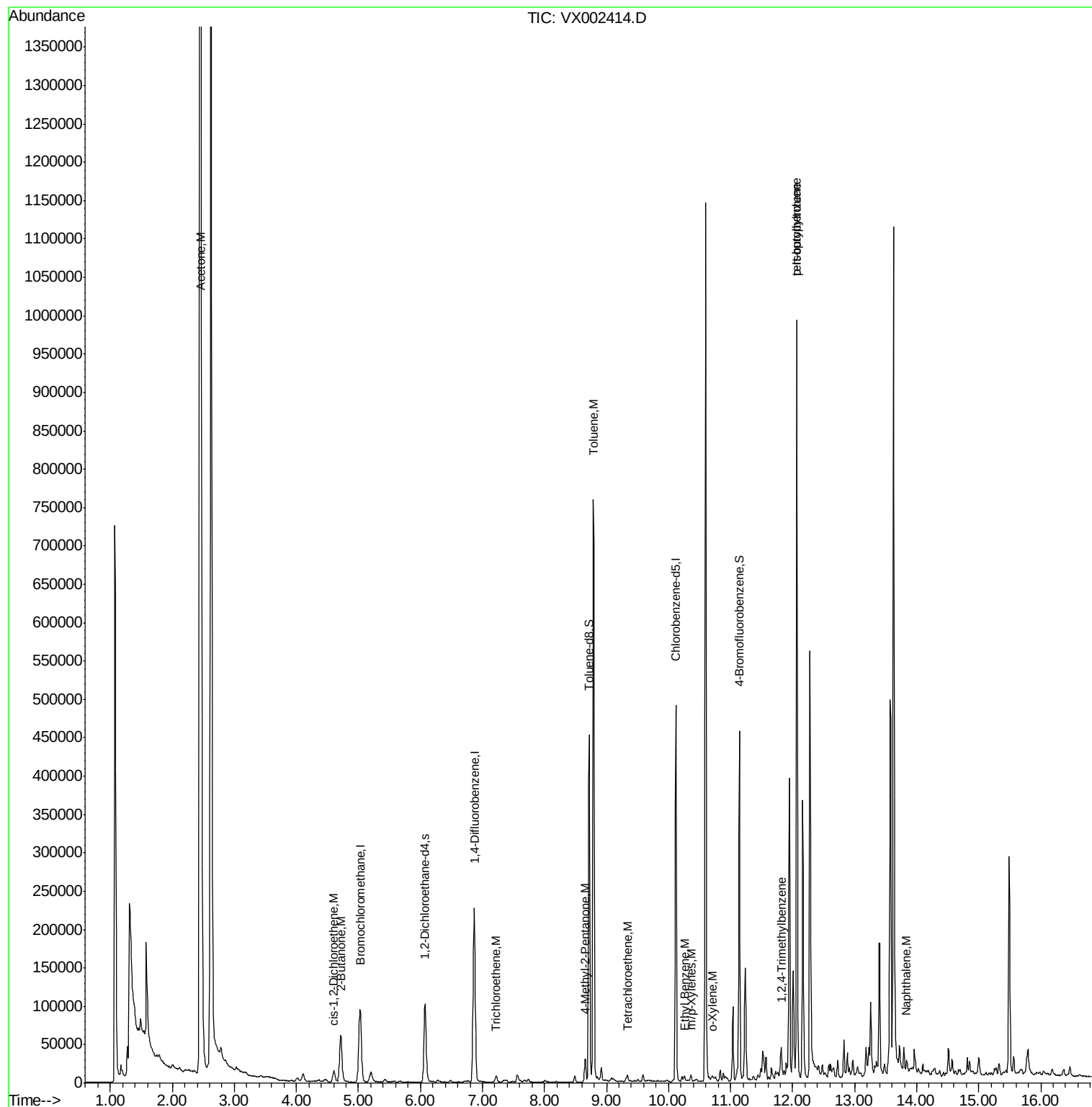
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	2.45	58	1562618	4480.10	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	8142	3.29	ug/l	83
30) 2-Butanone	4.71	43	110785	50.79	ug/l	98
37) Trichloroethene	7.22	130	2765	1.03	ug/l #	64
58) 4-Methyl-2-Pentanone	8.65	43	18094	4.05	ug/l	97
61) Tetrachloroethene	9.34	164	1502	0.48	ug/l #	86
62) Toluene	8.79	91	472324	45.10	ug/l	98
66) Ethyl Benzene	10.26	91	4117	0.35	ug/l	98
67) m/p-Xylenes	10.37	106	2166	0.48	ug/l	90
68) o-Xylene	10.70	106	1006	0.22	ug/l	92
79) tert-butylbenzene	12.07	119	412415	38.61	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	9067	0.88	ug/l	73
82) p-Isopropyltoluene	12.07	119	412415	38.61	ug/l	99
91) Naphthalene	13.83	128	7129	0.54	ug/l	100

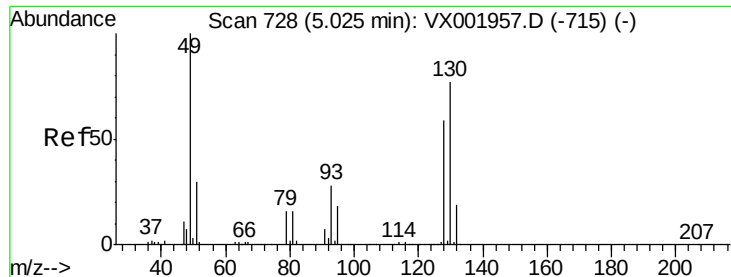
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 25 02:17:15 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002414.D

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Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(JUNE)

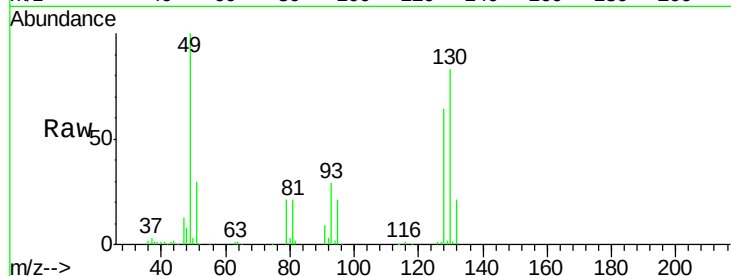
Tgt Ion:128 Resp: 39435

Ion Ratio Lower Upper

128 100

49 162.0 0.0 423.0

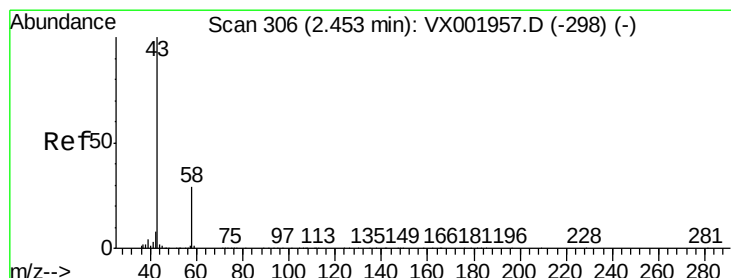
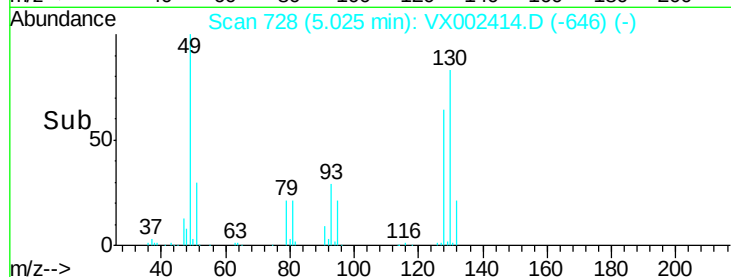
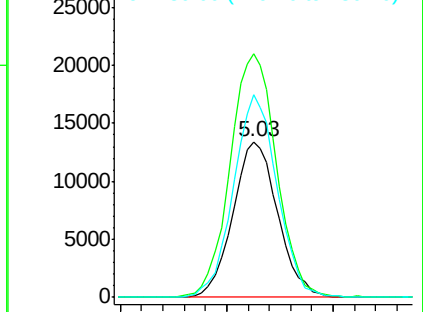
130 127.7 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 4480.10 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002414.D

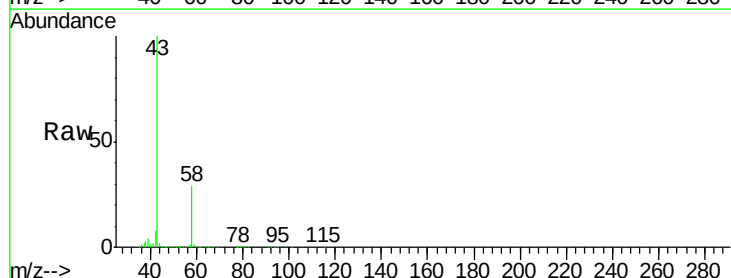
Acq: 08 Jun 2018 20:43

Tgt Ion: 58 Resp: 1562618

Ion Ratio Lower Upper

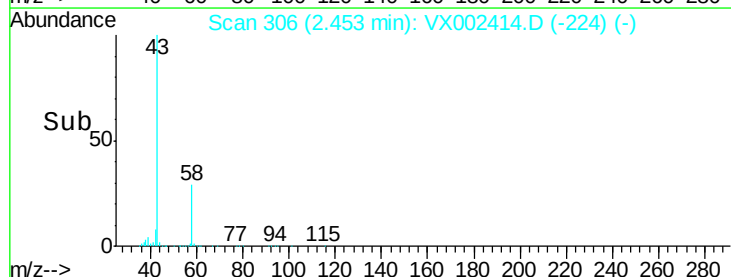
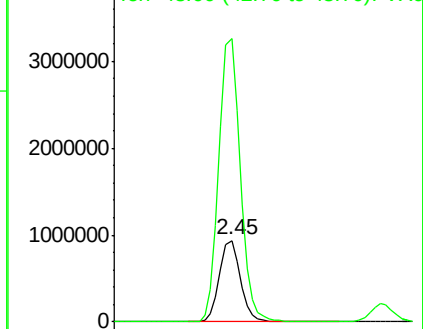
58 100

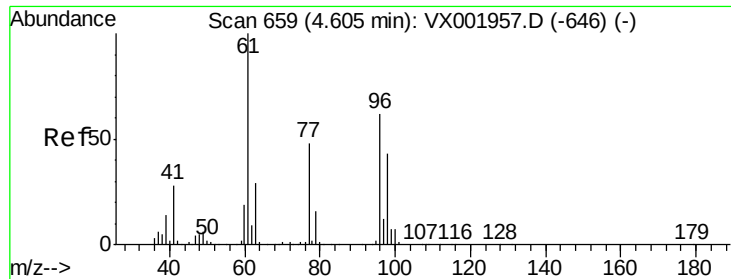
43 347.9 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#22

cis-1,2-Dichloroethene

Concen: 3.29 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(JUNE)

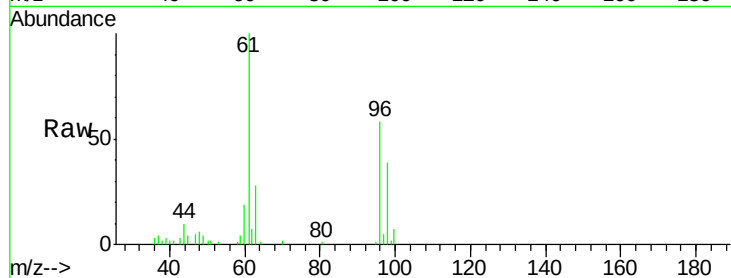
Tgt Ion: 96 Resp: 8142

Ion Ratio Lower Upper

96 100

61 169.4 160.2 240.2

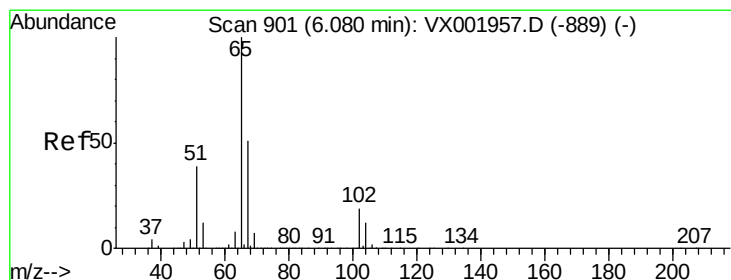
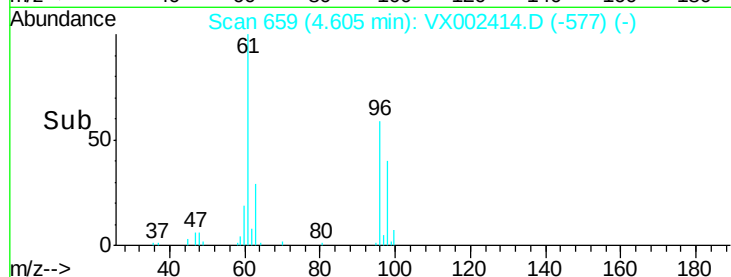
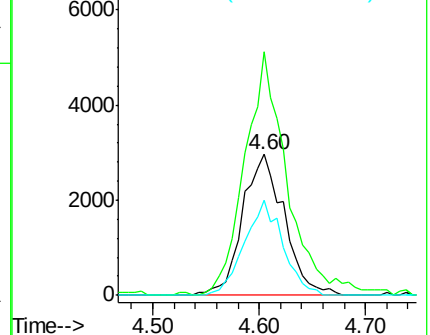
98 62.3 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 30.74 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002414.D

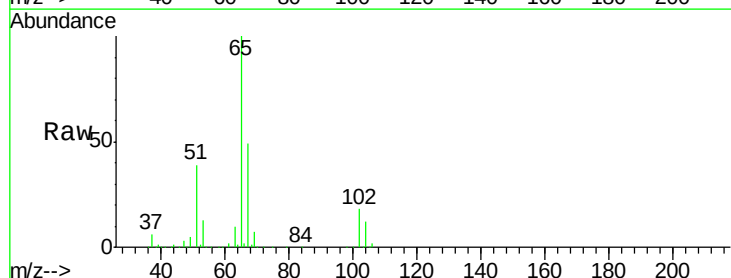
Acq: 08 Jun 2018 20:43

Tgt Ion: 65 Resp: 95385

Ion Ratio Lower Upper

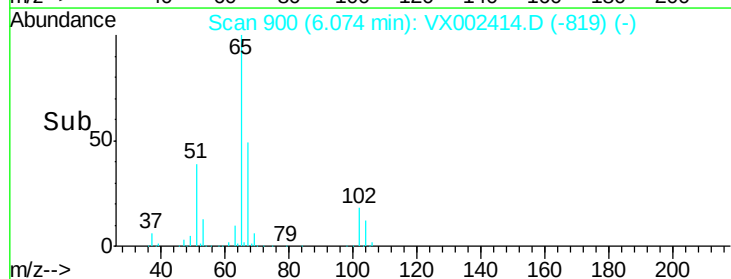
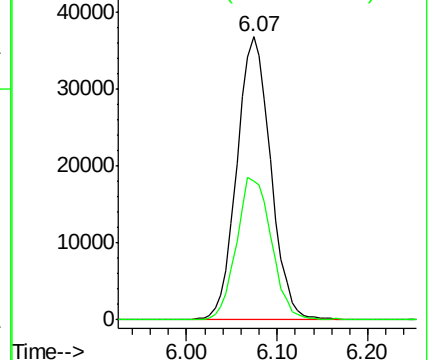
65 100

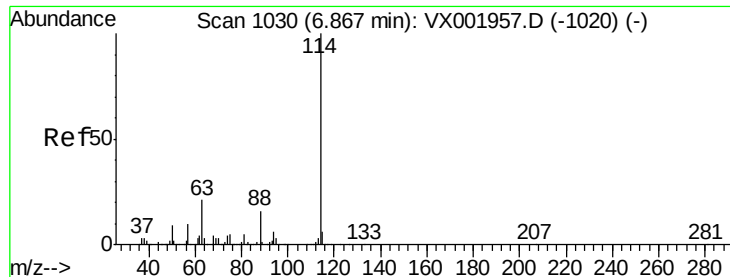
67 52.0 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(JUNE)

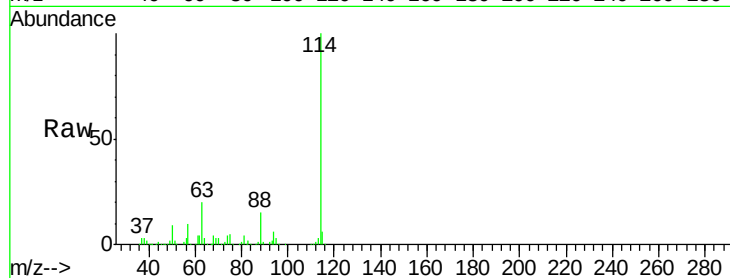
Tgt Ion: 114 Resp: 223533

Ion Ratio Lower Upper

114 100

63 20.6 17.1 25.7

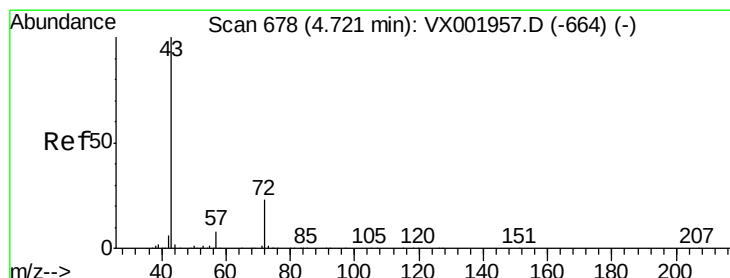
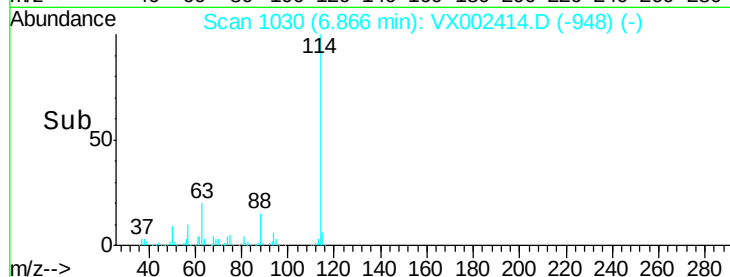
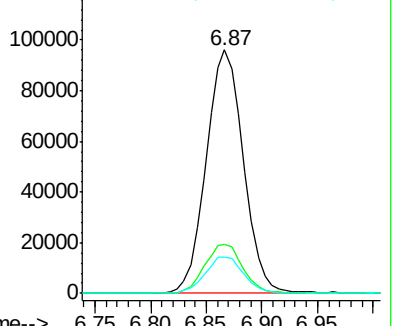
88 15.4 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#30

2-Butanone

Concen: 50.79 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

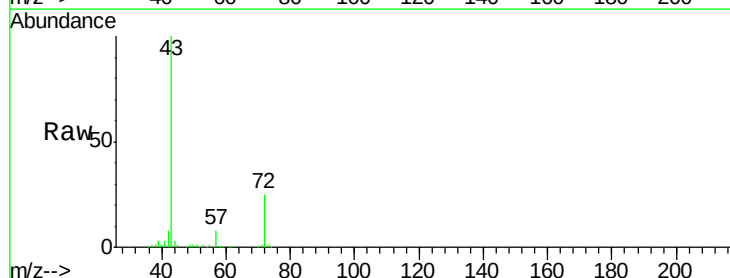
Tgt Ion: 43 Resp: 110785

Ion Ratio Lower Upper

43 100

57 7.9 6.1 9.1

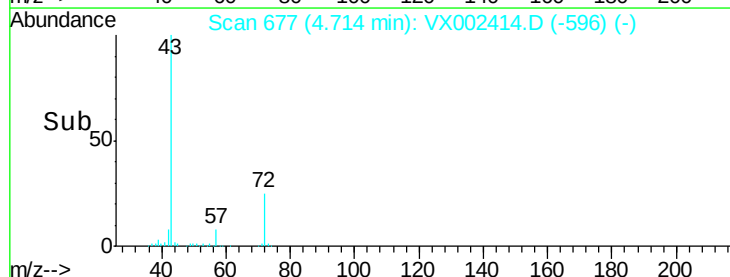
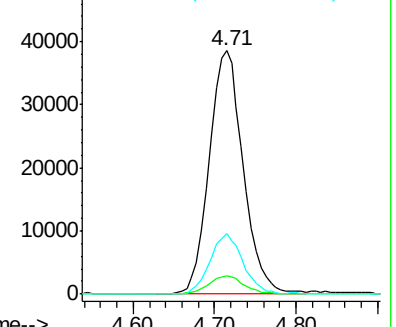
72 24.1 18.1 27.1

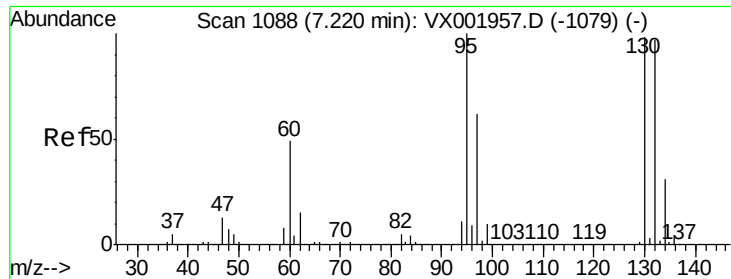


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

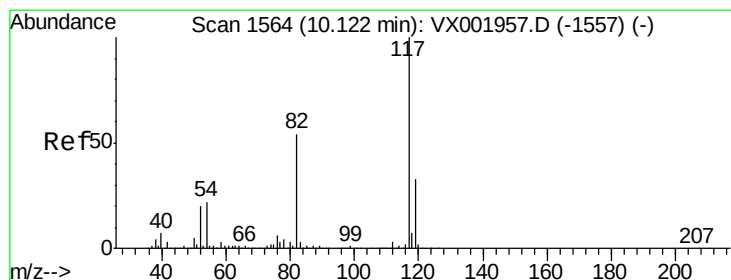
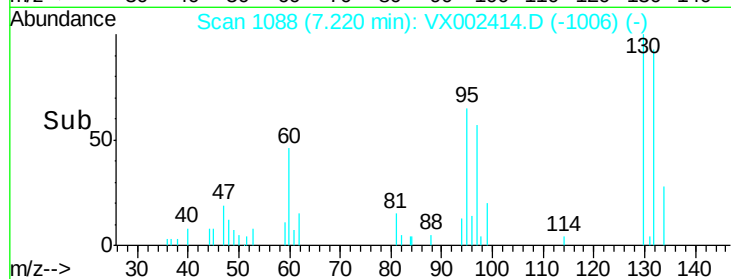
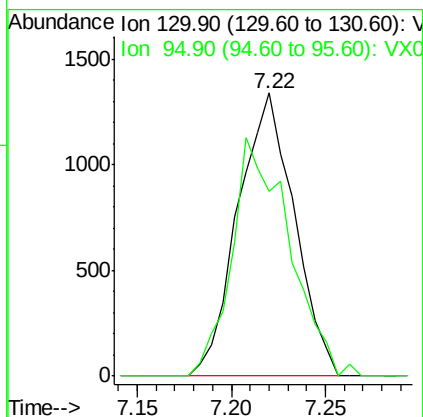
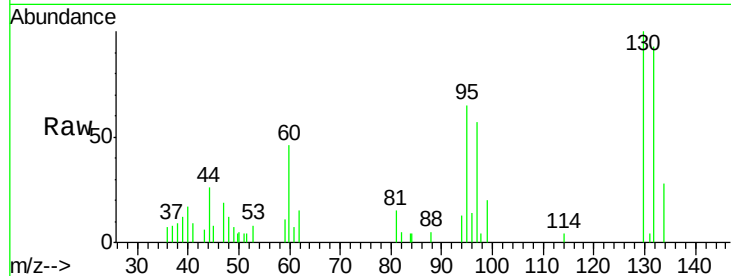




#37
 Trichloroethene
 Concen: 1.03 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002414.D
 Acq: 08 Jun 2018 20:43

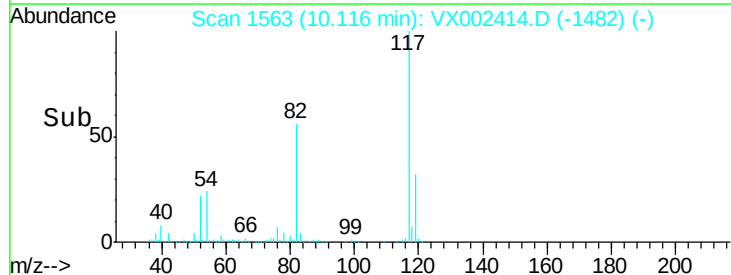
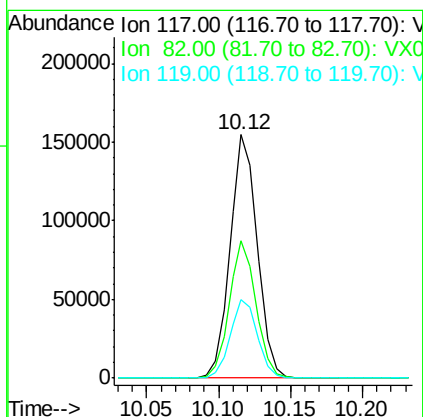
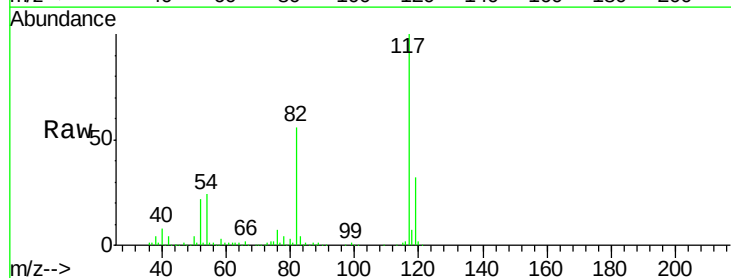
Instrument :
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 001M-WILLETS-PT-BLVD(JUNE)

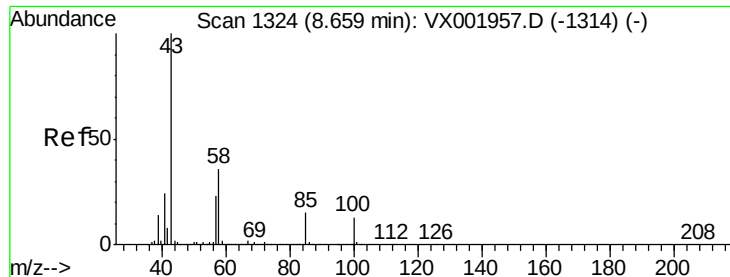
Tgt Ion:130 Resp: 2765
 Ion Ratio Lower Upper
 130 100
 95 65.1 81.5 122.3#



#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VX002414.D
 Acq: 08 Jun 2018 20:43

Tgt Ion:117 Resp: 205085
 Ion Ratio Lower Upper
 117 100
 82 55.6 44.3 66.5
 119 32.1 25.7 38.5

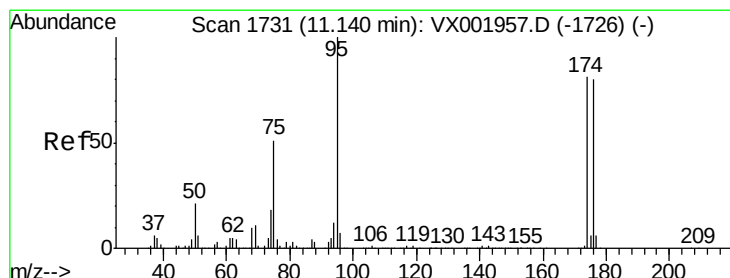
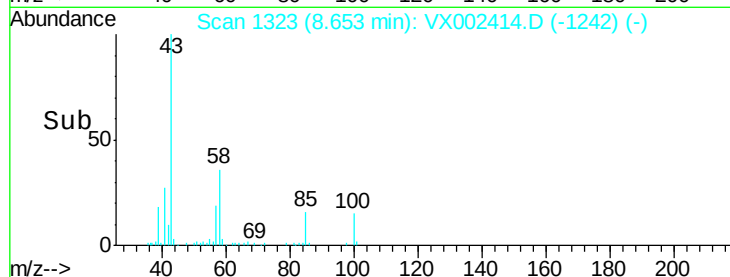
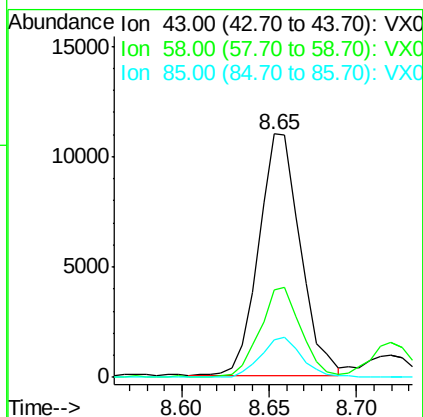
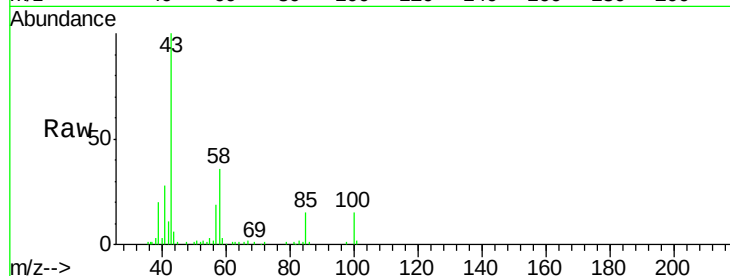




#58
 4-Methyl-2-Pentanone
 Concen: 4.05 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002414.D
 Acq: 08 Jun 2018 20:43

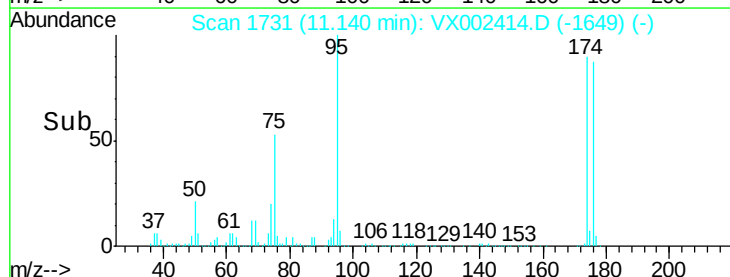
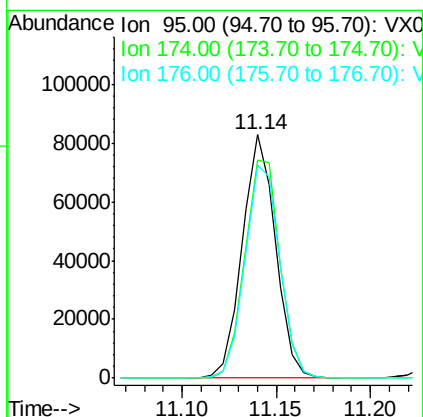
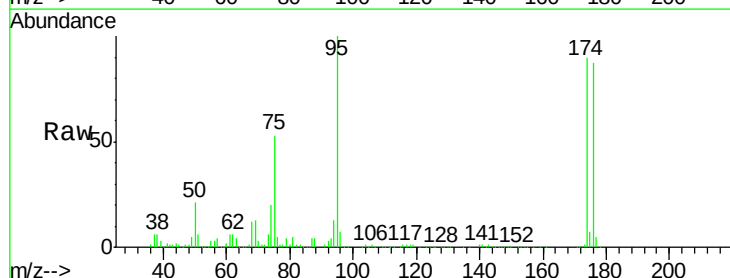
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 001M-WILLETS-PT-BLVD(JUNE)

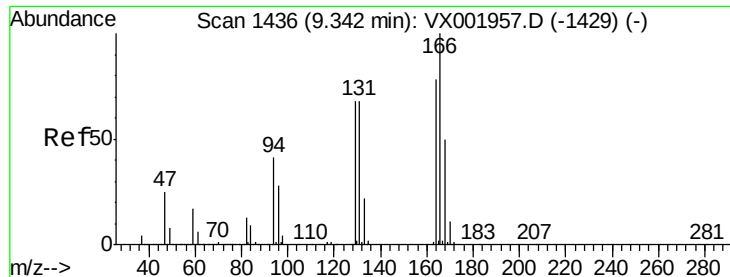
Tgt Ion: 43 Resp: 18094
 Ion Ratio Lower Upper
 43 100
 58 37.0 28.2 42.4
 85 16.5 12.4 18.6



#60
 4-Bromofluorobenzene
 Concen: 28.83 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002414.D
 Acq: 08 Jun 2018 20:43

Tgt Ion: 95 Resp: 101214
 Ion Ratio Lower Upper
 95 100
 174 95.6 71.8 107.6
 176 91.5 70.1 105.1

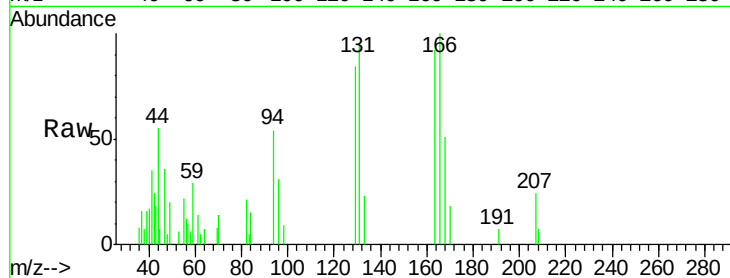




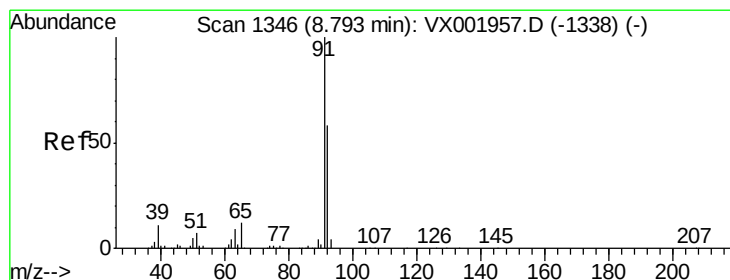
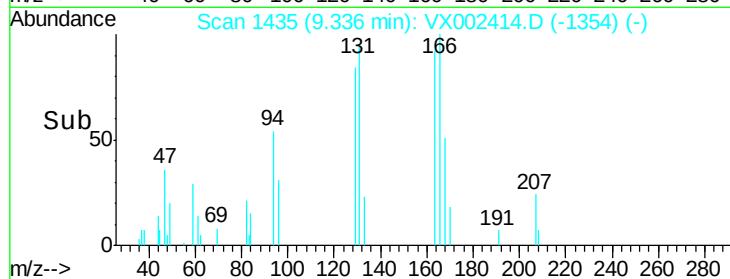
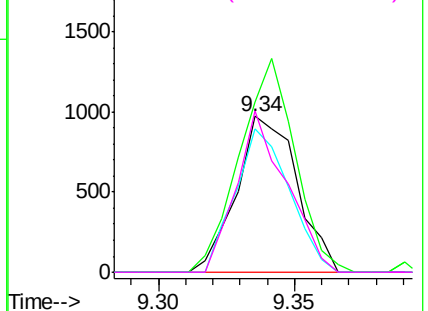
#61
Tetrachloroethene
Concen: 0.48 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002414.D
Acq: 08 Jun 2018 20:43

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(JUNE)

Tgt Ion:164 Resp: 1502
Ion Ratio Lower Upper
164 100
166 108.9 102.4 153.6
129 91.7 70.1 105.1
131 103.7 69.1 103.7#

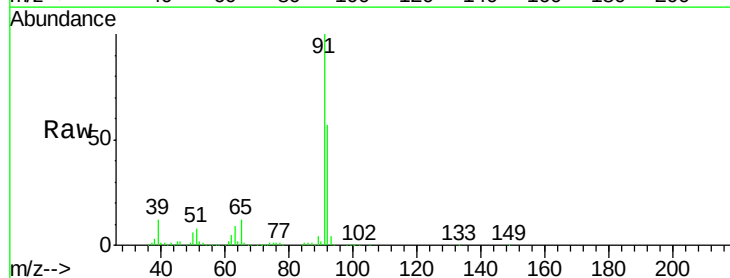


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

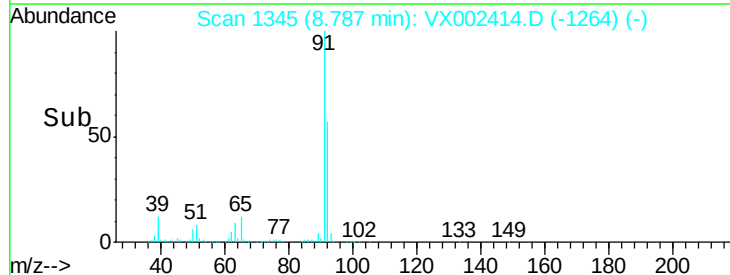
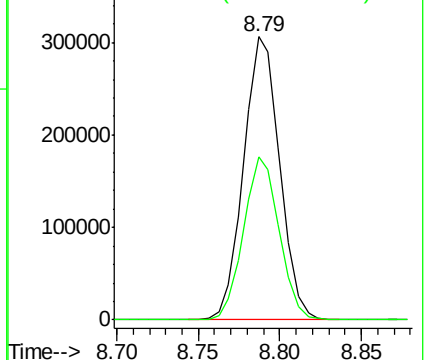


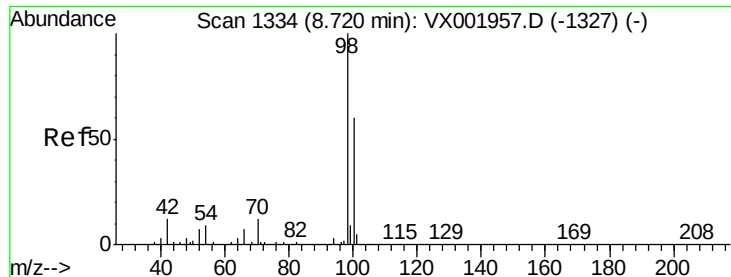
#62
Toluene
Concen: 45.10 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX002414.D
Acq: 08 Jun 2018 20:43

Tgt Ion: 91 Resp: 472324
Ion Ratio Lower Upper
91 100
92 56.9 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

Instrument :

MSVOA_X

ClientSampleId :

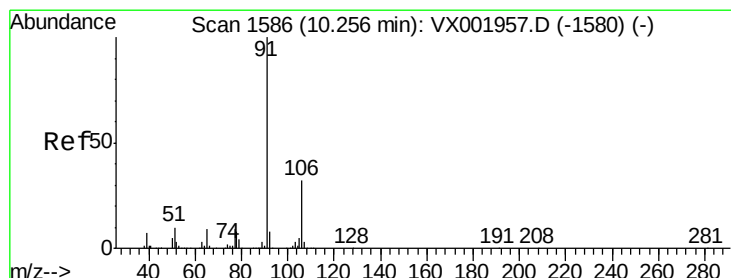
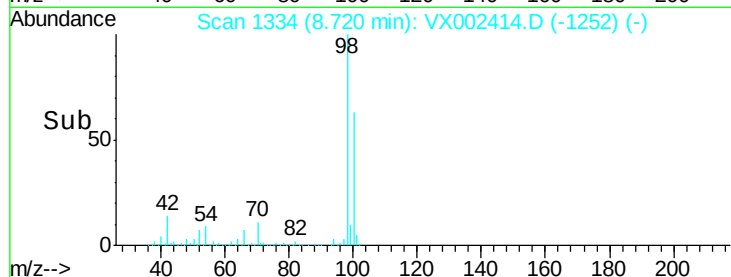
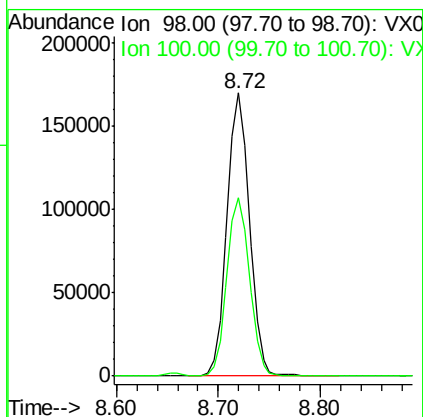
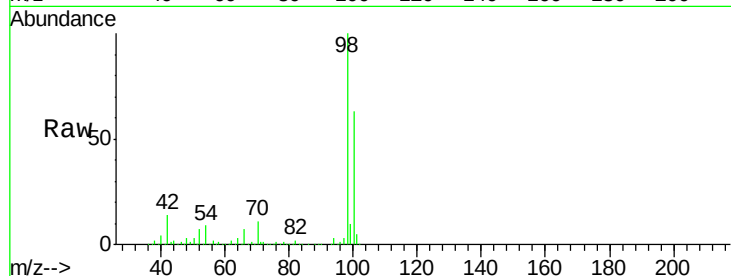
001M-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 98 Resp: 258713

Ion Ratio Lower Upper

98 100

100 63.6 50.8 76.2



#66

Ethyl Benzene

Concen: 0.35 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002414.D

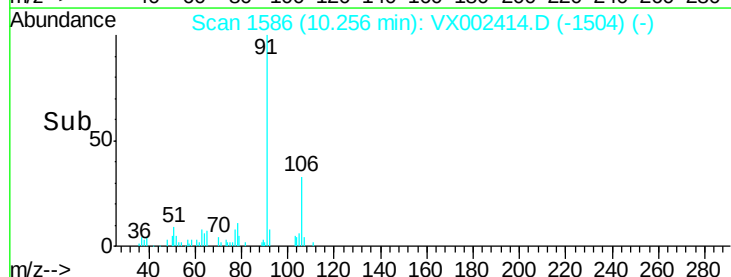
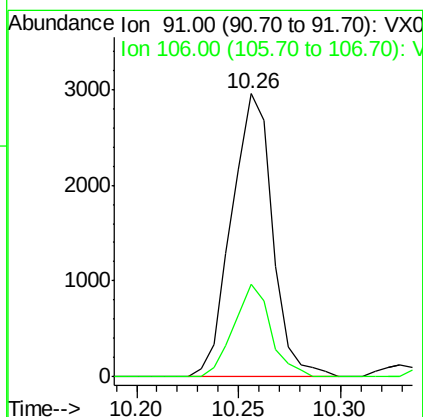
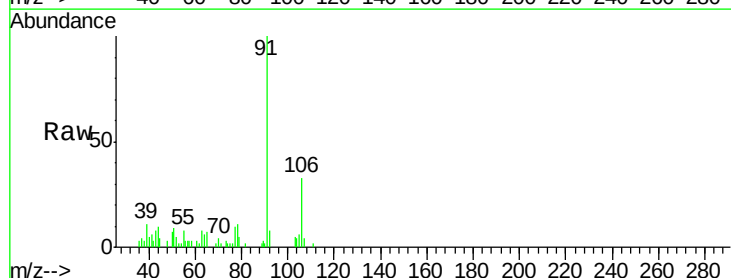
Acq: 08 Jun 2018 20:43

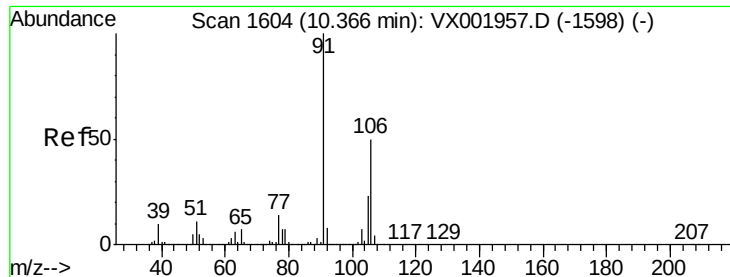
Tgt Ion: 91 Resp: 4117

Ion Ratio Lower Upper

91 100

106 32.7 25.2 37.8

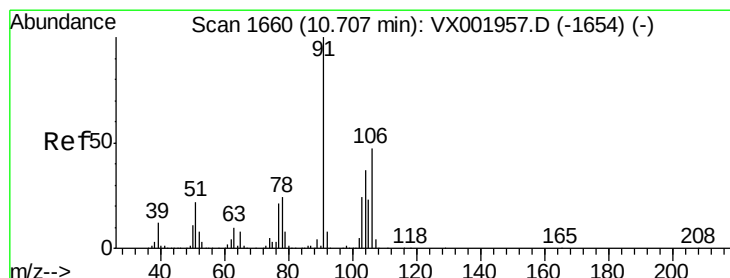
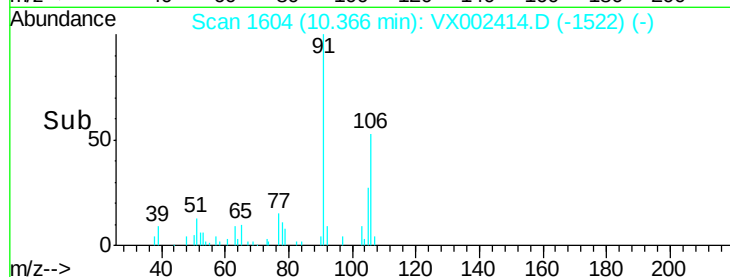
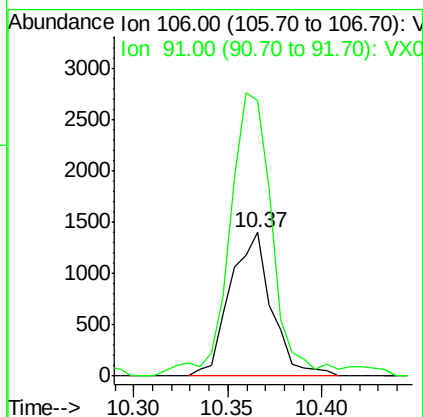
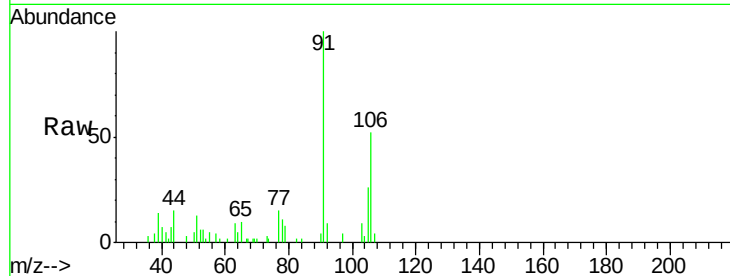




#67
m/p-Xylenes
Concen: 0.48 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002414.D
Acq: 08 Jun 2018 20:43

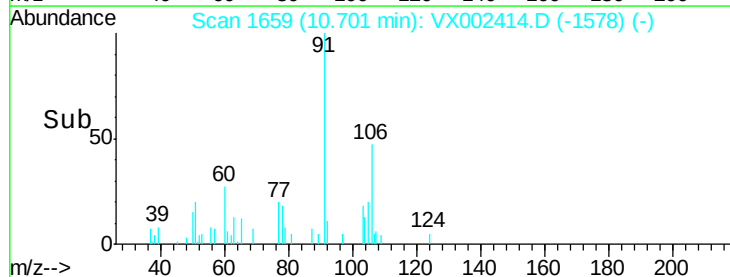
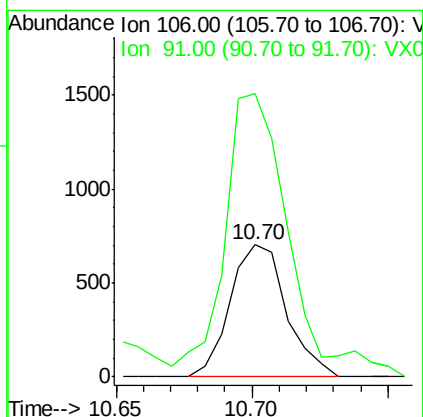
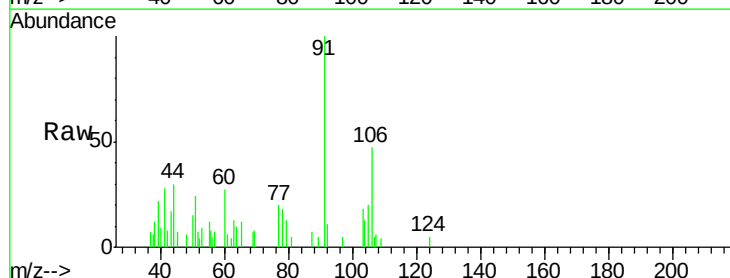
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(JUNE)

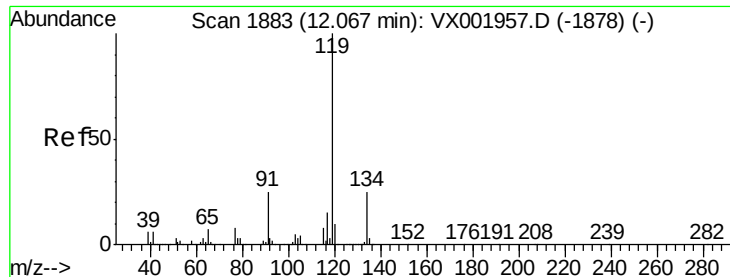
Tgt Ion:106 Resp: 2166
Ion Ratio Lower Upper
106 100
91 190.3 164.1 246.1



#68
o-Xylene
Concen: 0.22 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX002414.D
Acq: 08 Jun 2018 20:43

Tgt Ion:106 Resp: 1006
Ion Ratio Lower Upper
106 100
91 230.2 109.1 327.3





#79

tert-butylbenzene

Concen: 38.61 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(JUNE)

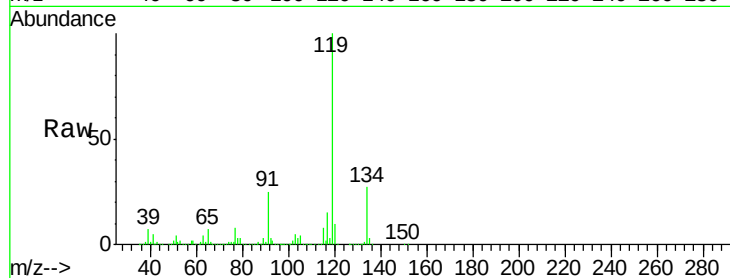
Tgt Ion:119 Resp: 412415

Ion Ratio Lower Upper

119 100

91 24.5 0.0 48.0

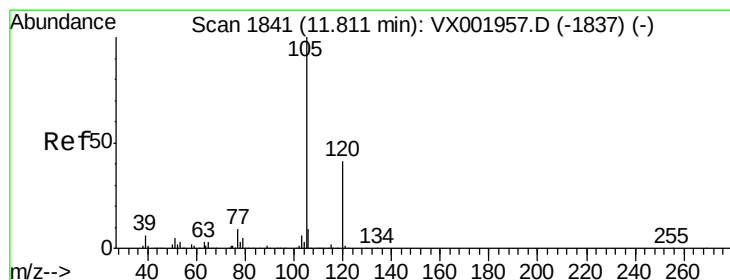
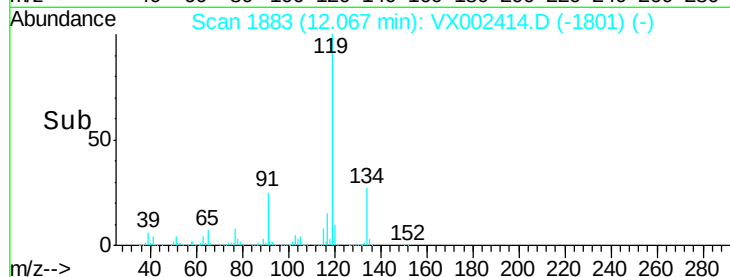
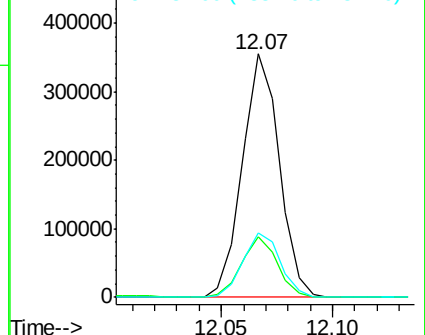
134 26.7 0.0 52.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 0.88 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002414.D

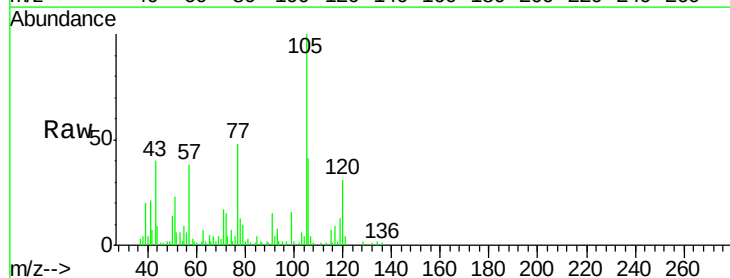
Acq: 08 Jun 2018 20:43

Tgt Ion:105 Resp: 9067

Ion Ratio Lower Upper

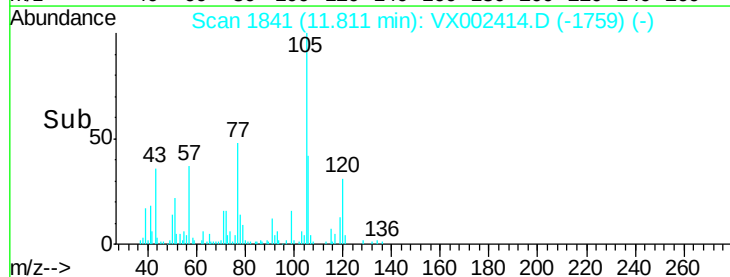
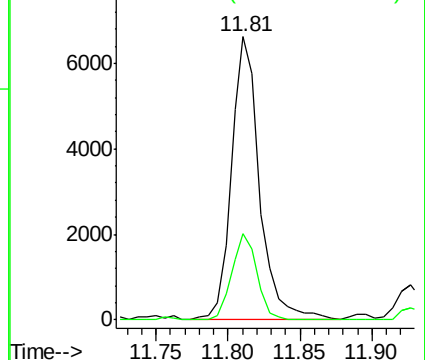
105 100

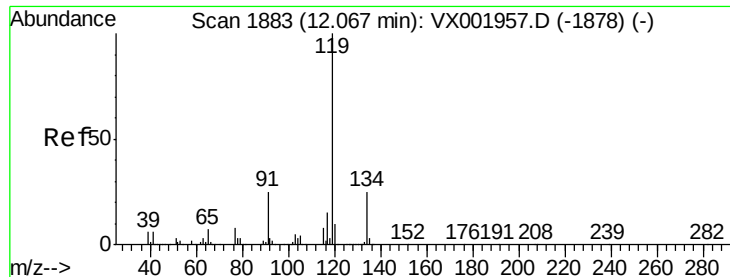
120 27.2 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

p-Isopropyltoluene

Concen: 38.61 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

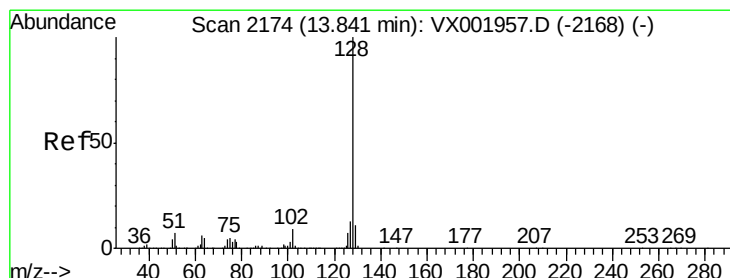
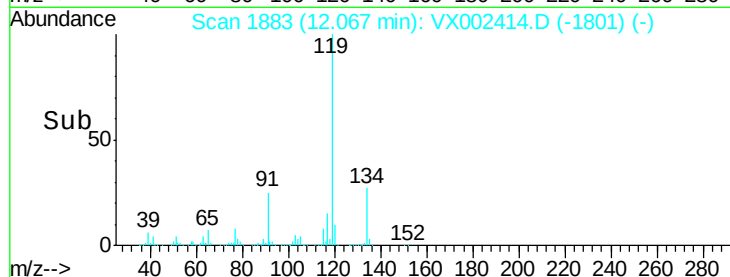
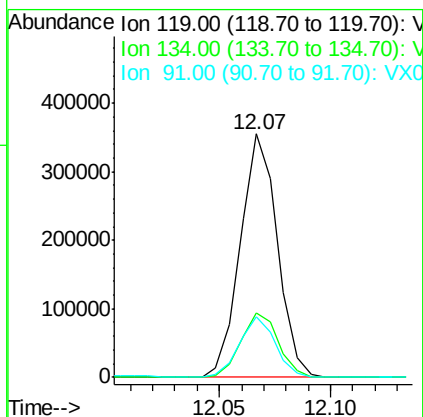
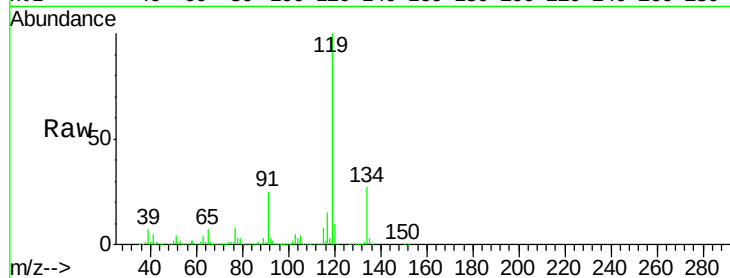
Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(JUNE)

Tgt Ion:	119	Resp:	412415
Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.6
91	24.5	0.0	48.0



#91

Naphthalene

Concen: 0.54 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX002414.D

Acq: 08 Jun 2018 20:43

Tgt Ion:	128	Resp:	7129
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.9	13.3

