

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003018.D
 Acq On : 29 Jun 2018 07:08
 Operator : JC/MD
 Sample : J3720-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20

Quant Time: Jun 29 08:00:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	411493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221709	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	195878	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	158643	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.72	98	579806	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.14	95	209889	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

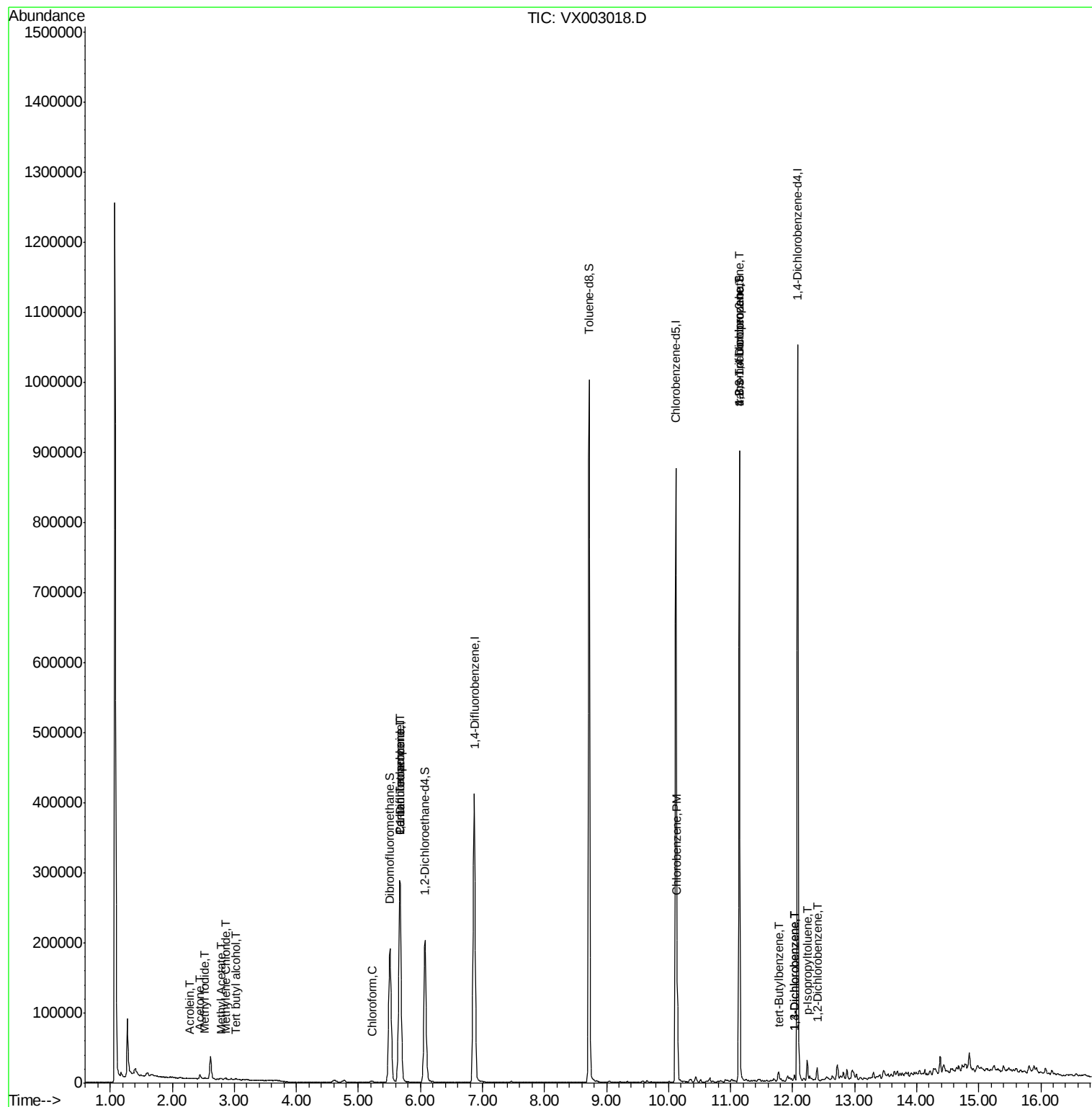
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	49	Below Cal	#	43
3) Chloromethane	1.32	50	847	Below Cal		89
5) Bromomethane	1.61	94	159	Below Cal	#	58
6) Chloroethane	1.70	64	2430	Below Cal	#	62
10) Methyl Iodide	2.52	142	1406	6.60	ug/l	100
11) Tert butyl alcohol	3.02	59	1044	1.29	ug/l	# 86
13) Acrolein	2.29	56	81	4.41	ug/l	# 1
16) Acetone	2.45	43	5726	3.40	ug/l	91
18) Methyl Acetate	2.78	43	953	0.20	ug/l	# 72
20) Methylene Chloride	2.86	84	795	0.24	ug/l	# 91
30) Chloroform	5.22	83	2230	0.37	ug/l	90
36) 1,1-Dichloropropene	5.67	75	19645	4.35	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	26937	5.44	ug/l	# 15
65) Chlorobenzene	10.14	112	49762	5.08	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	107831	26.85	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	107831	76.03	ug/l	# 7
83) tert-Butylbenzene	11.77	119	4617	0.37	ug/l	82
86) p-Isopropyltoluene	12.24	119	12269	0.91	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	2255	0.29	ug/l	95
88) 1,4-Dichlorobenzene	12.03	146	2255	0.28	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	4719	0.60	ug/l	92

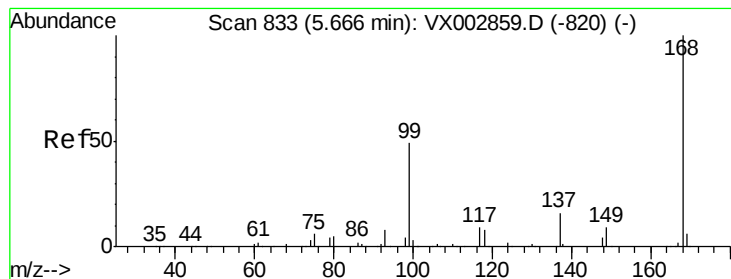
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062818\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

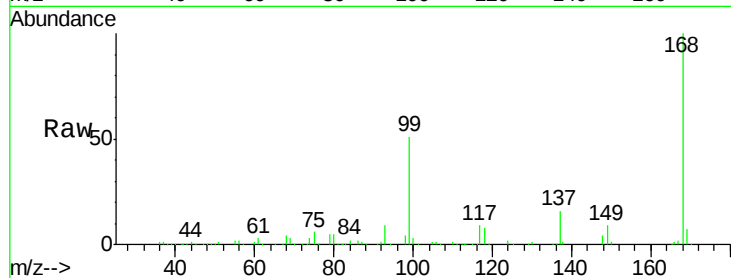
MW-20

Tot Ion:168 Resp: 294270

Ion Ratio Lower Upper

168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

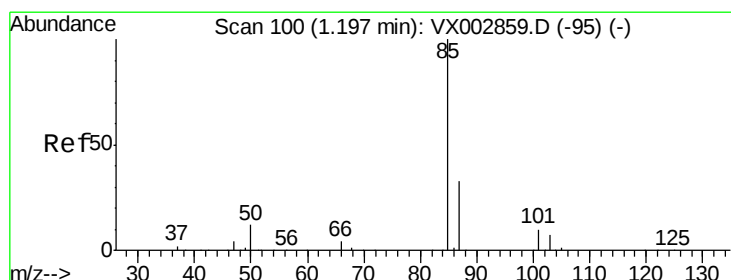
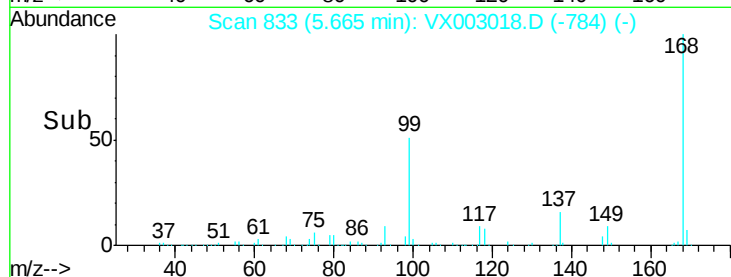
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003018.D

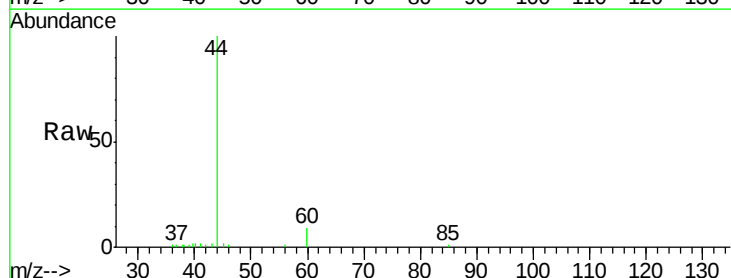
Acq: 29 Jun 2018 07:08

Tgt Ion: 85 Resp: 49

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

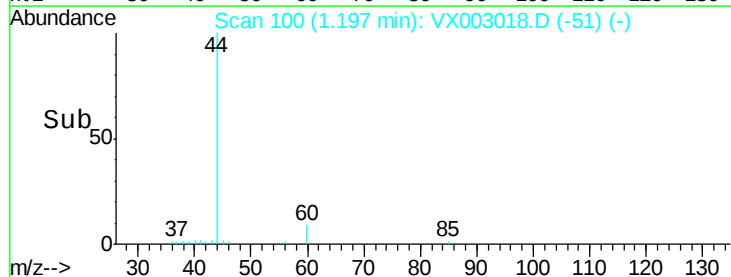
60

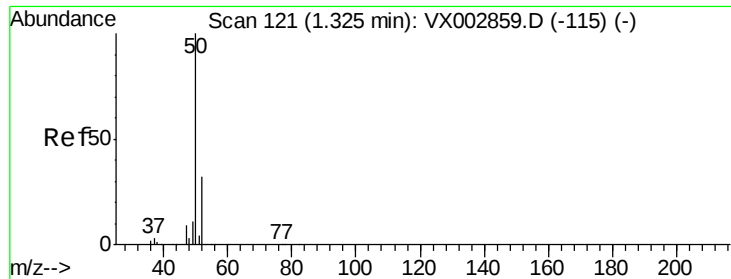
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

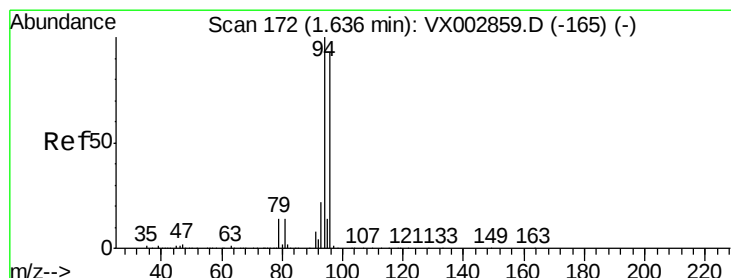
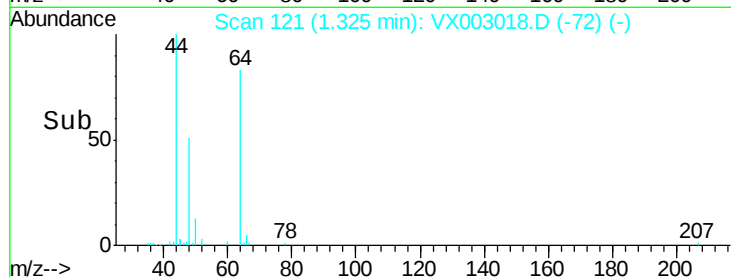
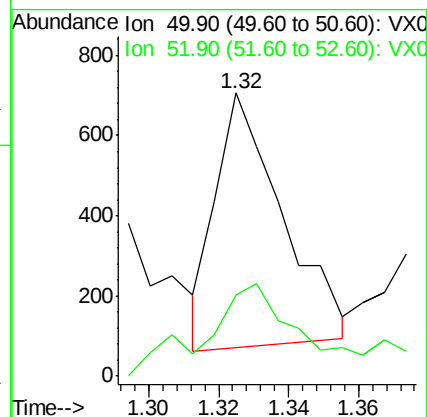
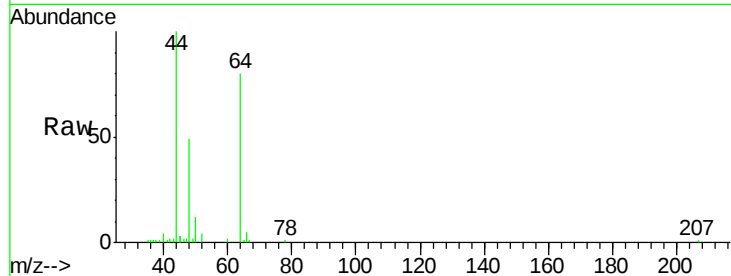
MW-20

Tot Ion: 50 Resp: 847

Ion Ratio Lower Upper

50 100

52 26.0 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX003018.D

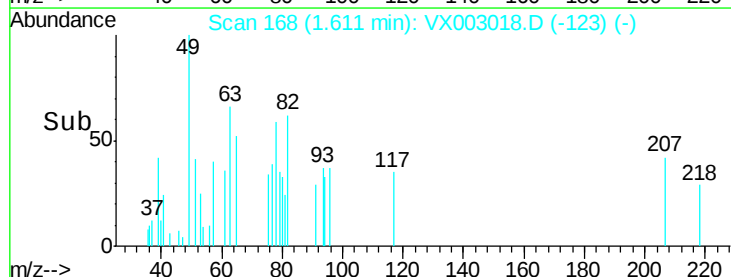
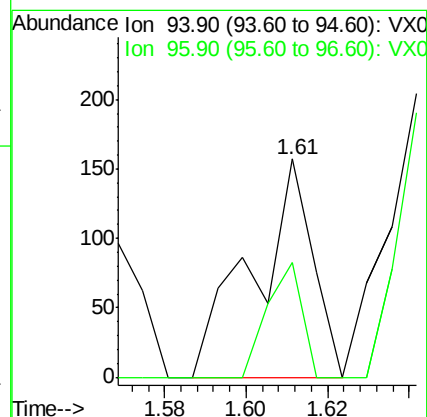
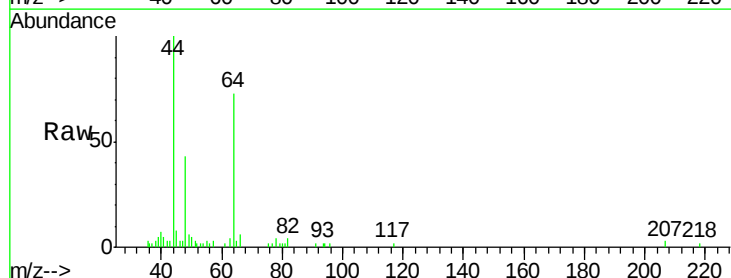
Acq: 29 Jun 2018 07:08

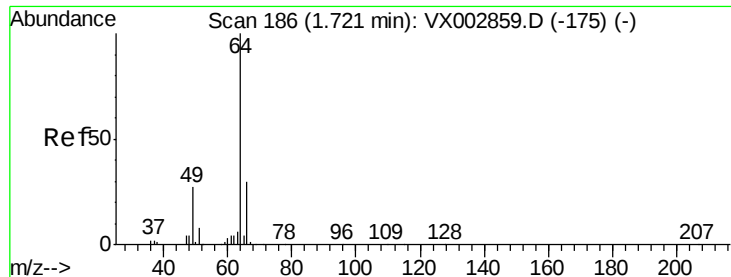
Tgt Ion: 94 Resp: 159

Ion Ratio Lower Upper

94 100

96 52.9 74.9 112.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampled :

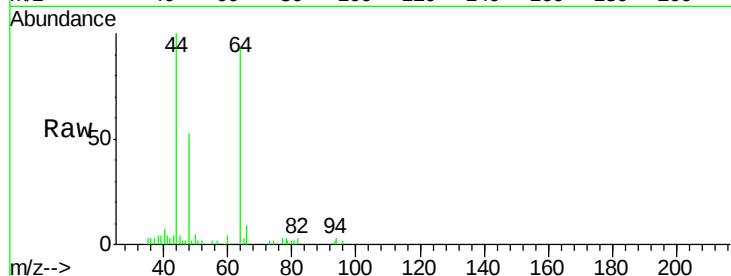
MW-20

Tot Ion: 64 Resp: 2430

Ion Ratio Lower Upper

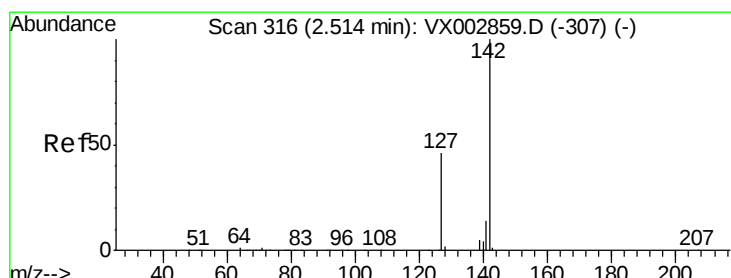
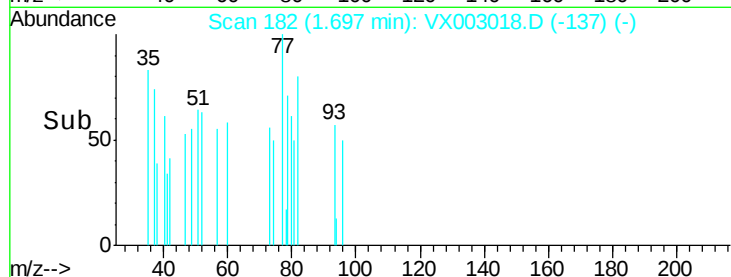
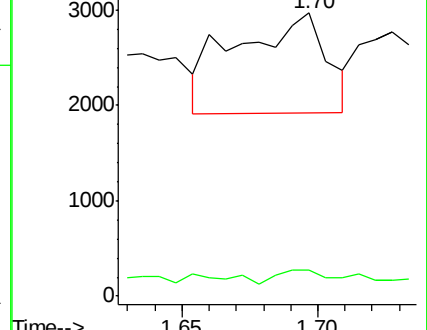
64 100

66 10.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.60 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

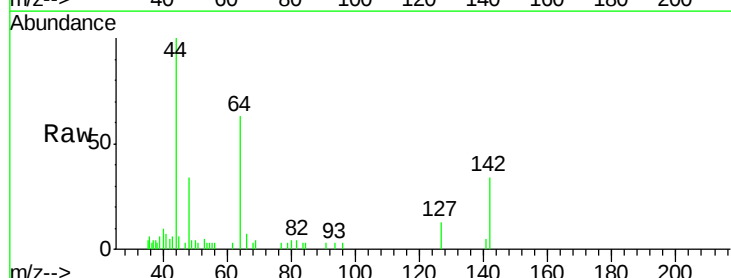
Tgt Ion:142 Resp: 1406

Ion Ratio Lower Upper

142 100

127 45.5 36.6 55.0

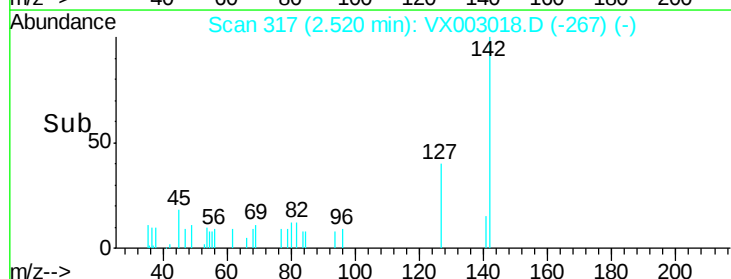
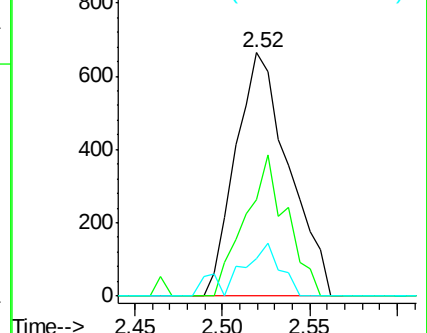
141 14.2 11.3 16.9

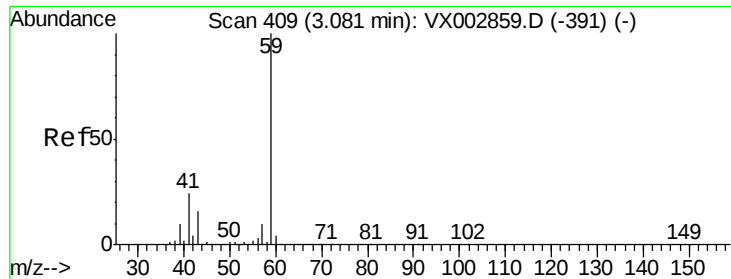


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



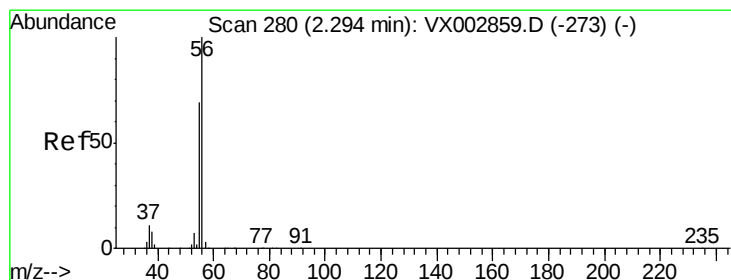
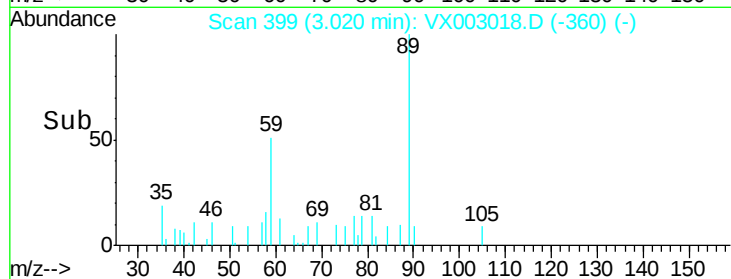
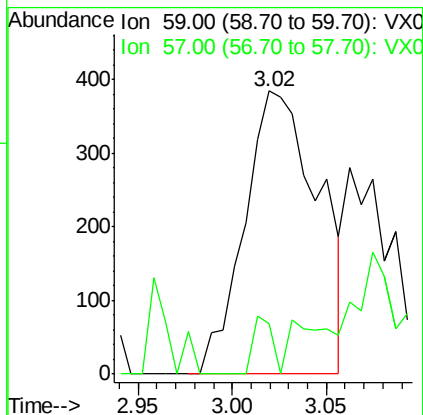
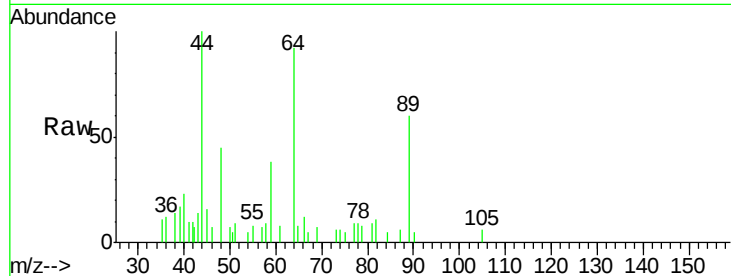


#11

Tert butyl alcohol
 Concen: 1.29 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX003018.D
 Acq: 29 Jun 2018 07:08

Instrument :
 MSVOA_X
 ClientSampled :
 MW-20

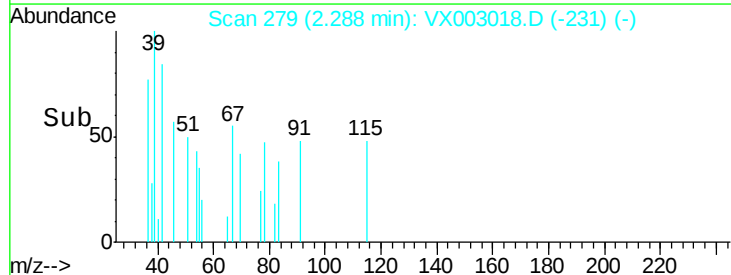
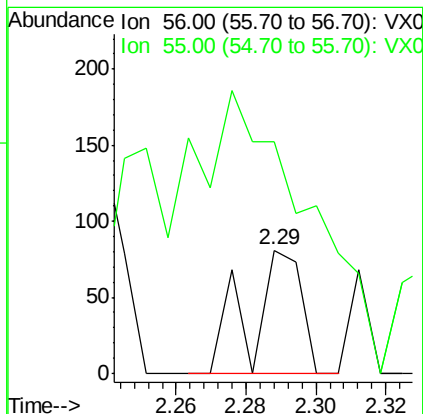
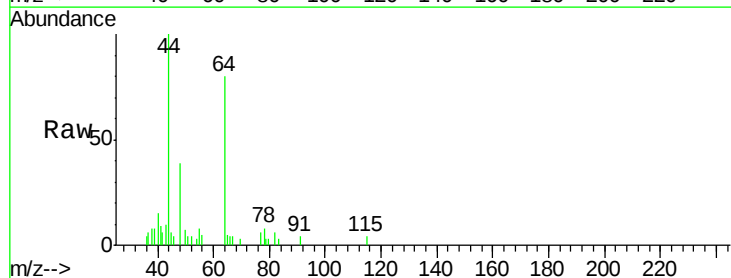
Tot Ion: 59 Resp: 1044
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.2 12.2#

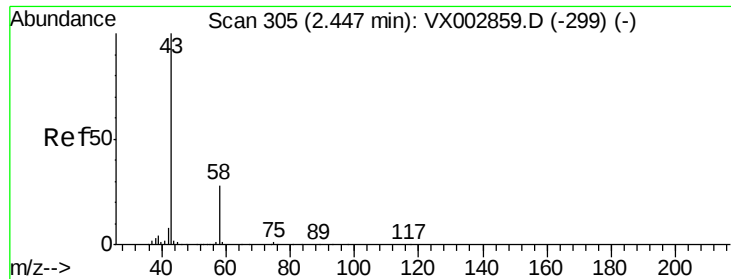


#13

Acrolein
 Concen: 4.41 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003018.D
 Acq: 29 Jun 2018 07:08

Tgt Ion: 56 Resp: 81
 Ion Ratio Lower Upper
 56 100
 55 508.6 57.0 85.4#





#16

Acetone

Concen: 3.40 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

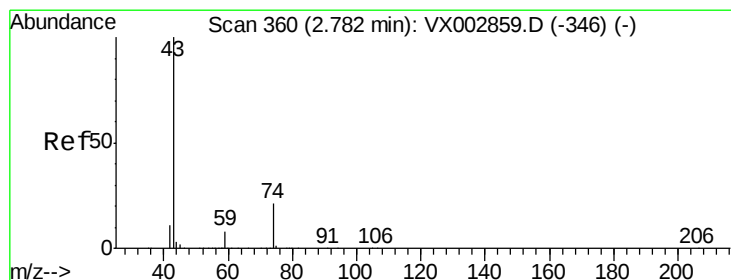
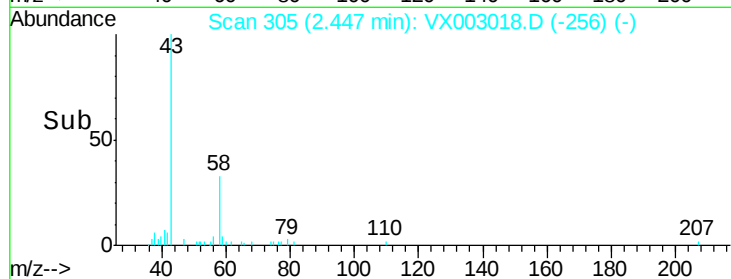
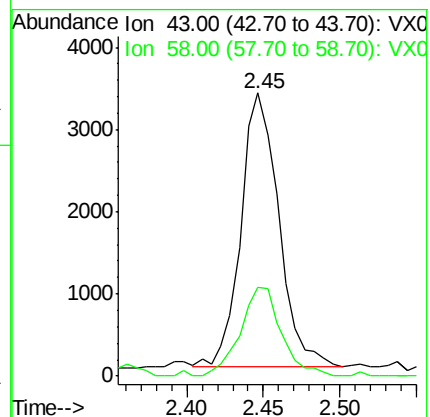
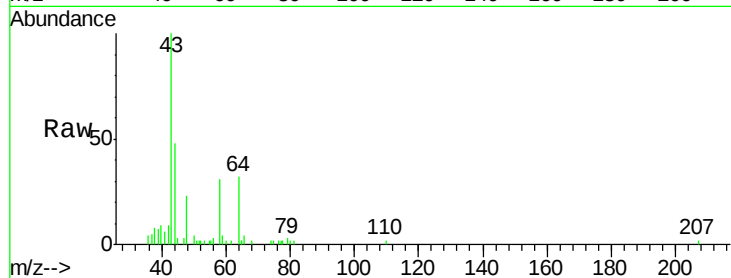
MW-20

Tot Ion: 43 Resp: 5726

Ion Ratio Lower Upper

43 100

58 32.3 22.1 33.1



#18

Methyl Acetate

Concen: 0.20 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003018.D

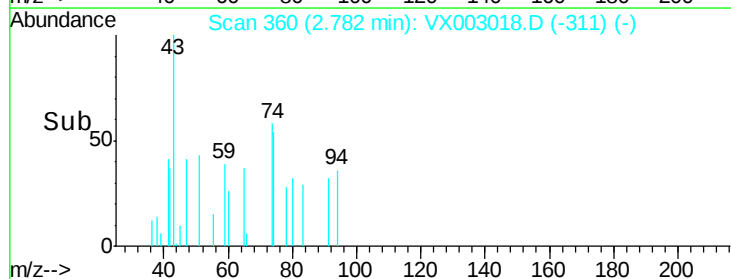
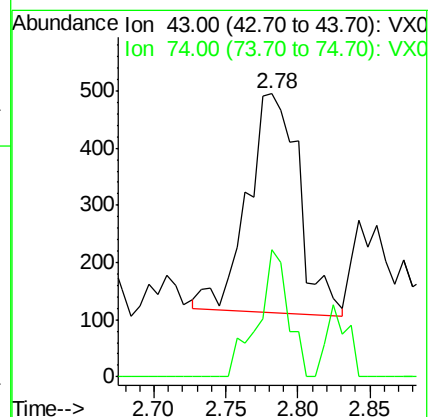
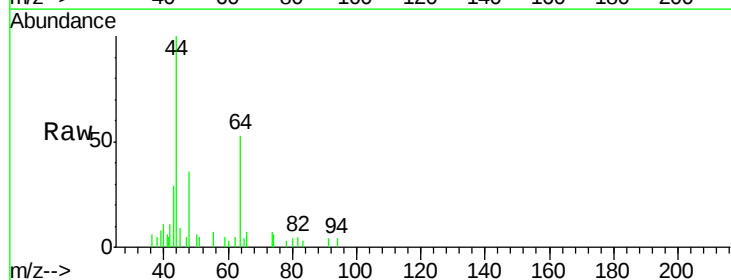
Acq: 29 Jun 2018 07:08

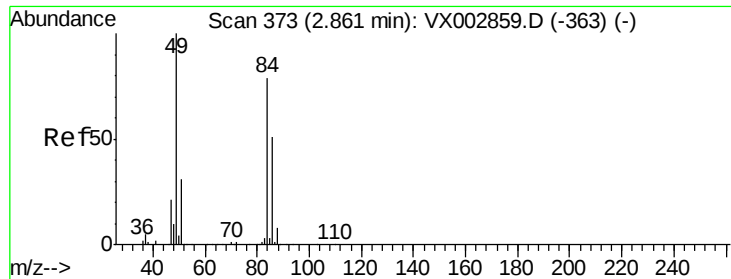
Tgt Ion: 43 Resp: 953

Ion Ratio Lower Upper

43 100

74 34.0 16.7 25.1#

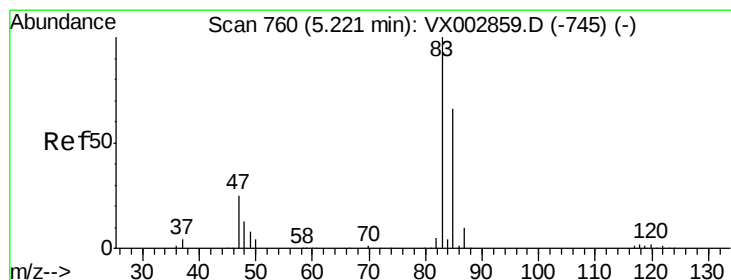
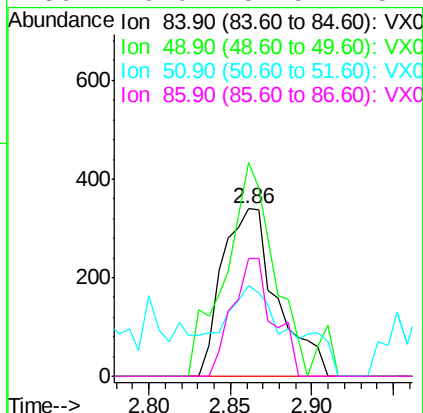
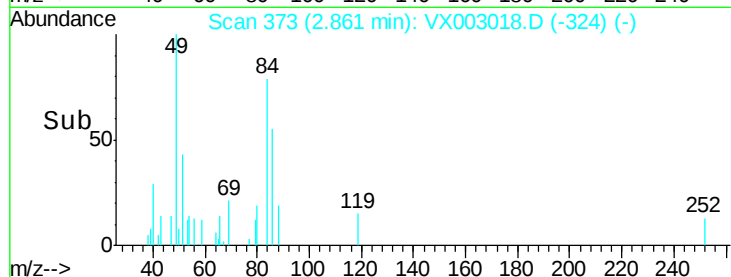
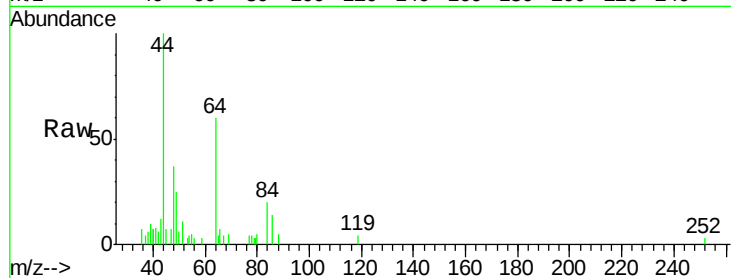




#20
Methvlene Chloride
Concen: 0.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

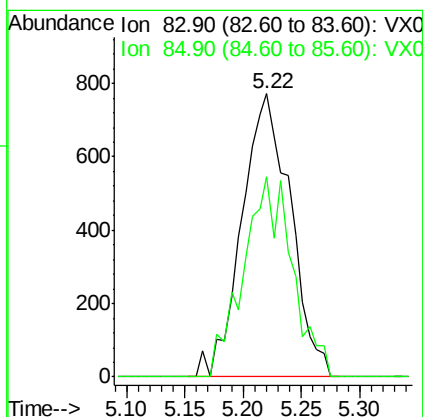
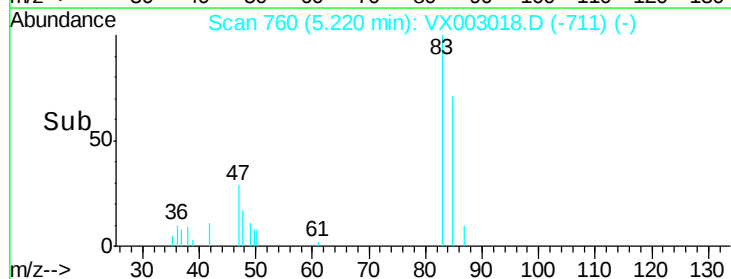
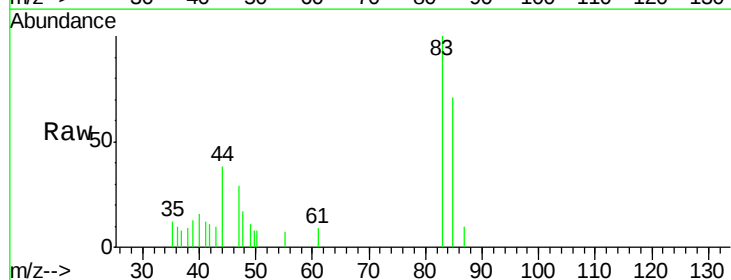
Instrument :
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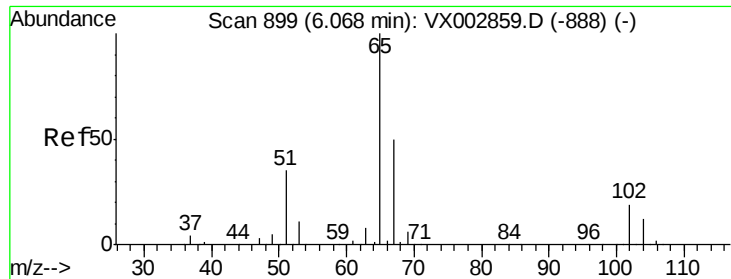
Tot Ion: 84 Resp: 795
Ion Ratio Lower Upper
84 100
49 127.4 107.8 161.6
51 54.4 32.8 49.2#
86 70.0 52.5 78.7



#30
Chloroform
Concen: 0.37 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Tgt Ion: 83 Resp: 2230
Ion Ratio Lower Upper
83 100
85 70.6 50.4 75.6

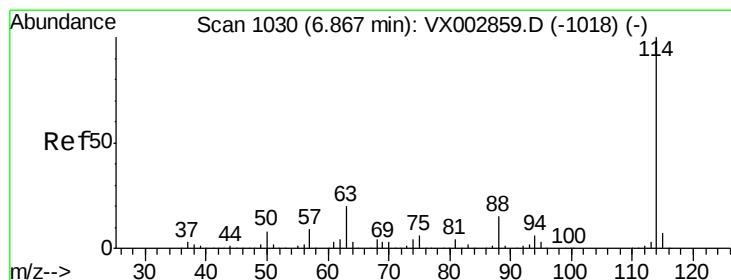
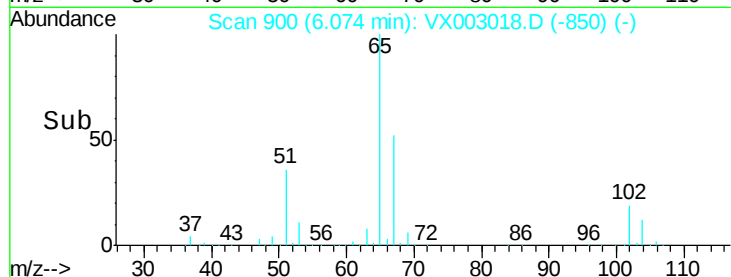
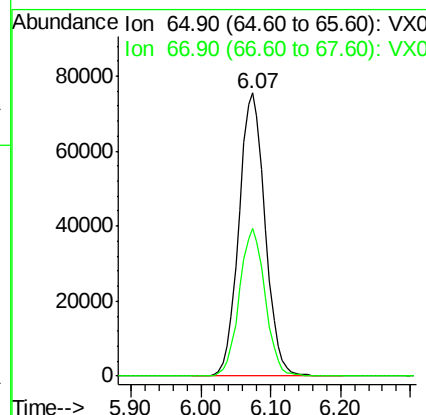
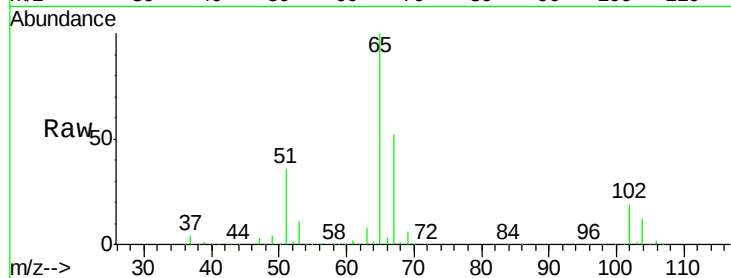




#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003018.D
 Acq: 29 Jun 2018 07:08

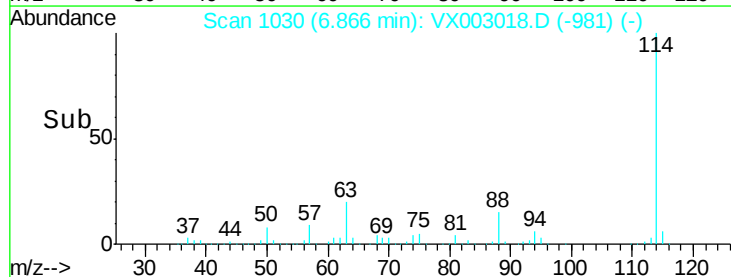
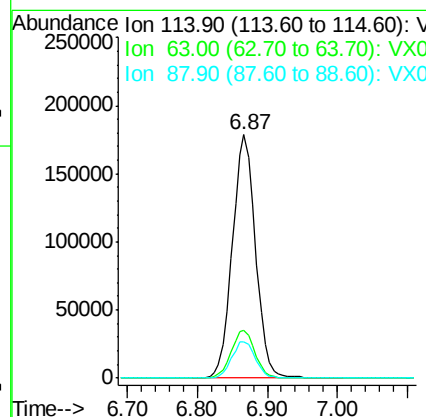
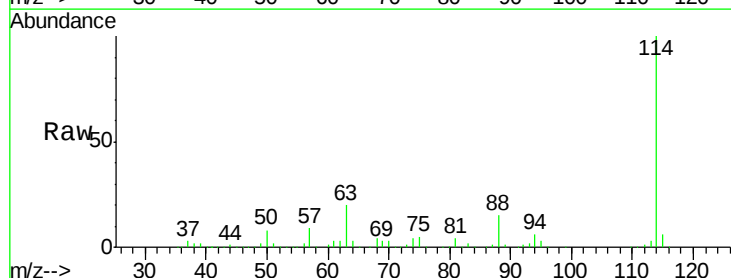
Instrument :
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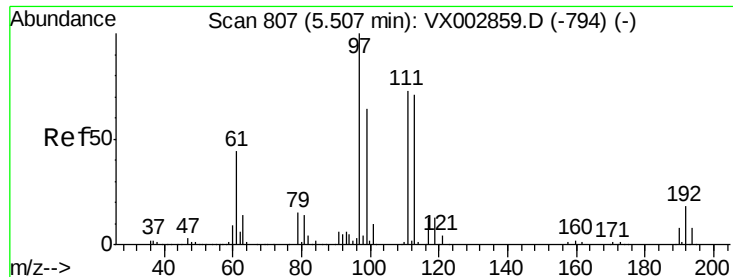
Tot Ion: 65 Resp: 195878
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003018.D
 Acq: 29 Jun 2018 07:08

Tgt Ion: 114 Resp: 411493
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.68 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

MW-20

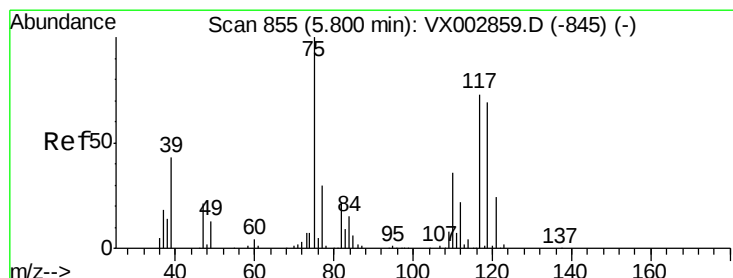
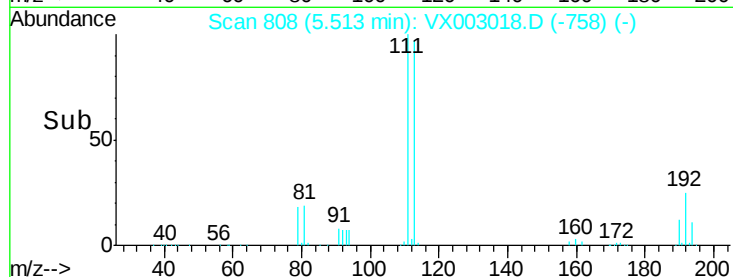
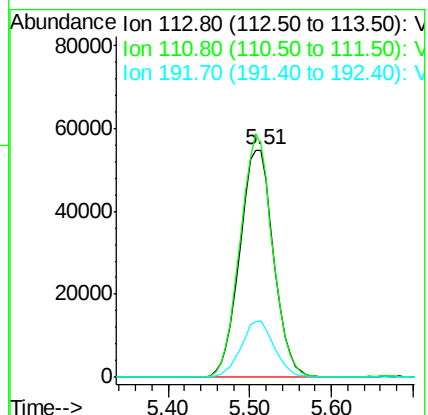
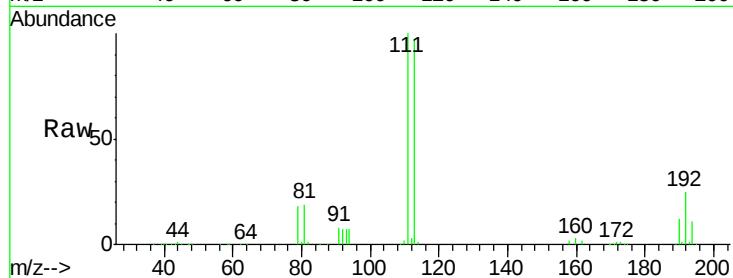
Tot Ion:113 Resp: 158643

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 24.3 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.35 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

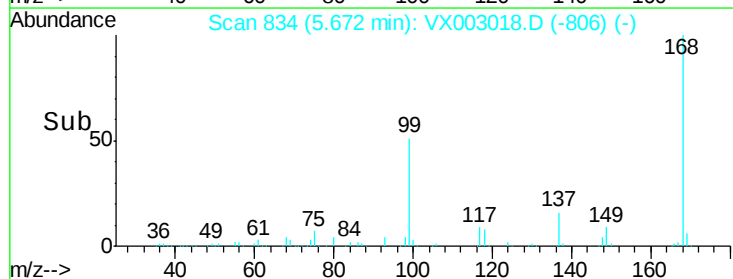
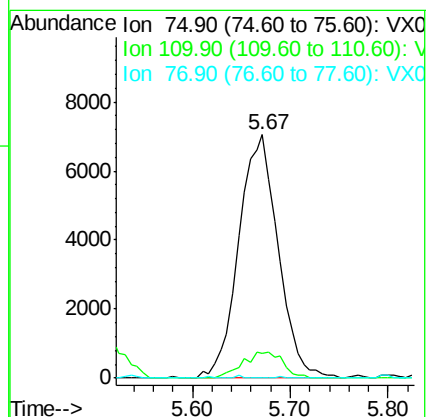
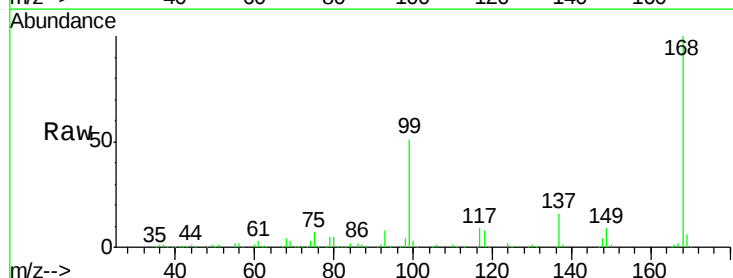
Tgt Ion: 75 Resp: 19645

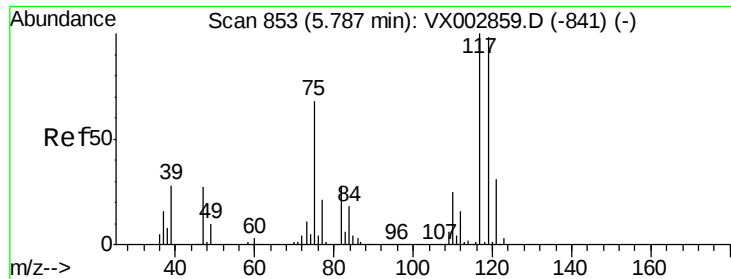
Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.4#

77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.44 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

MW-20

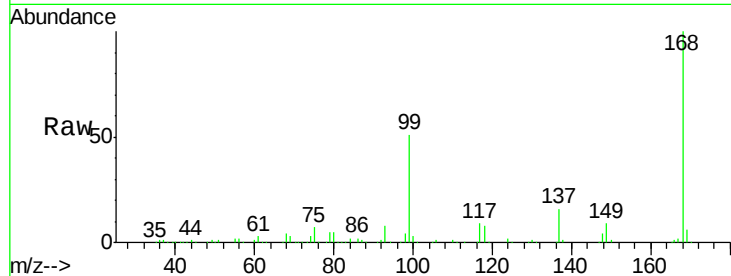
Tot Ion:117 Resp: 26937

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

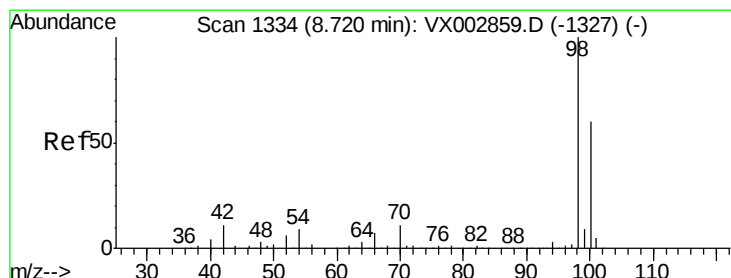
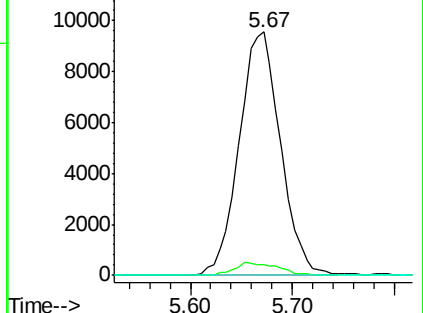
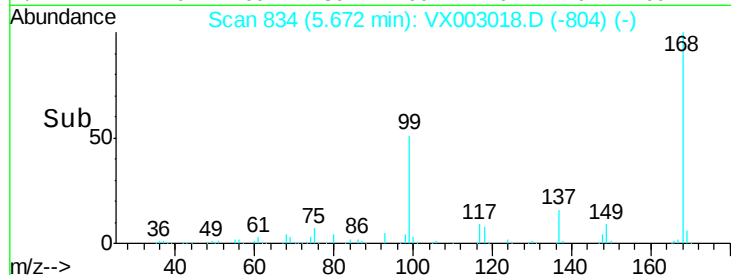
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 48.72 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003018.D

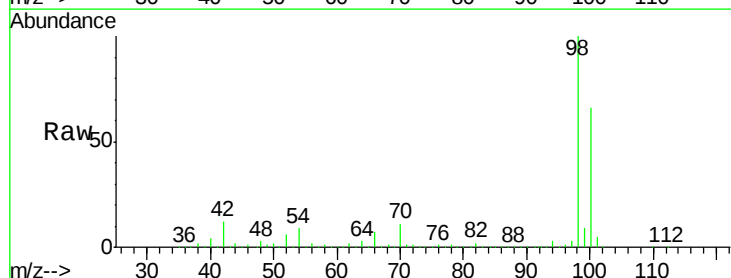
Acq: 29 Jun 2018 07:08

Tgt Ion: 98 Resp: 579806

Ion Ratio Lower Upper

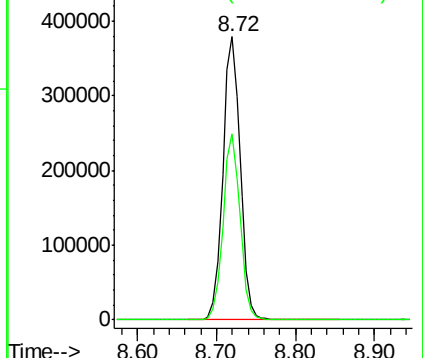
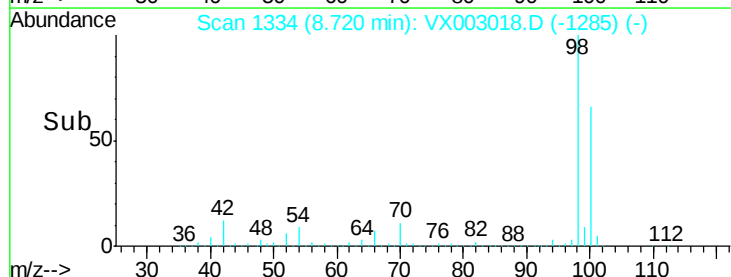
98 100

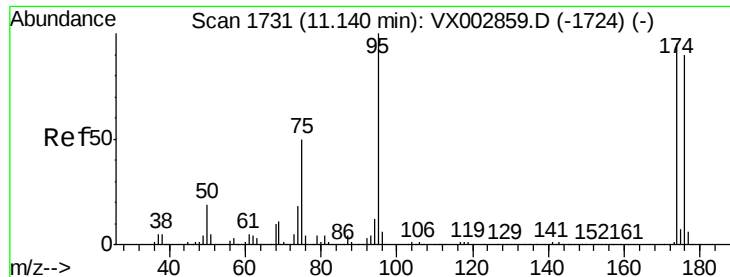
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

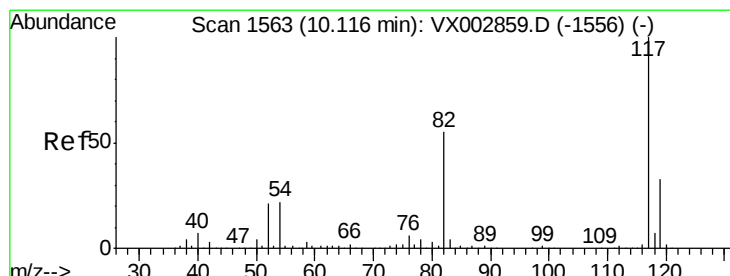
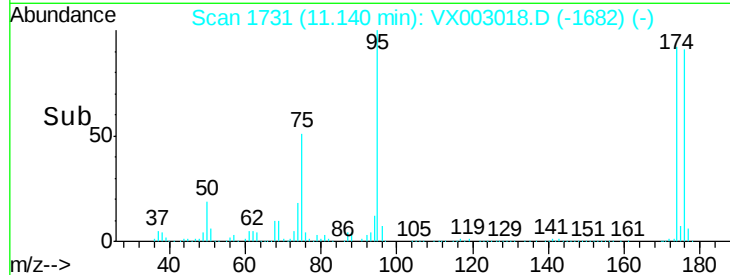
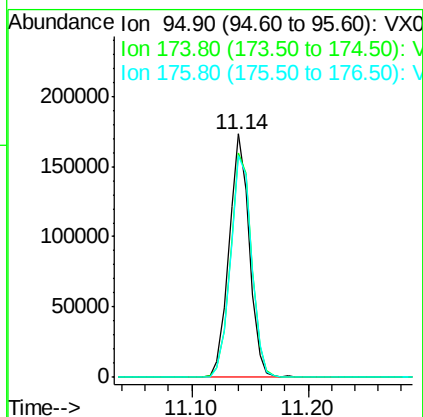
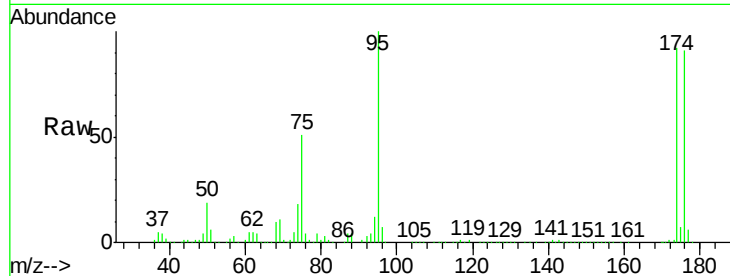




#62
4-Bromofluorobenzene
Concen: 45.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

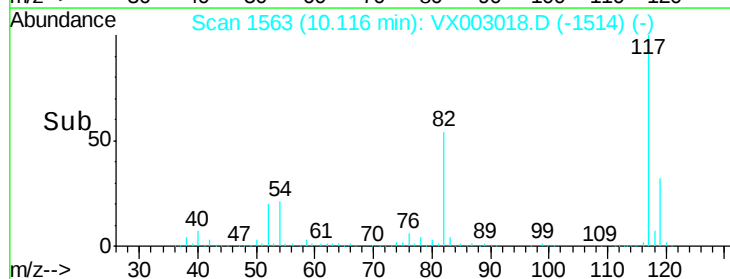
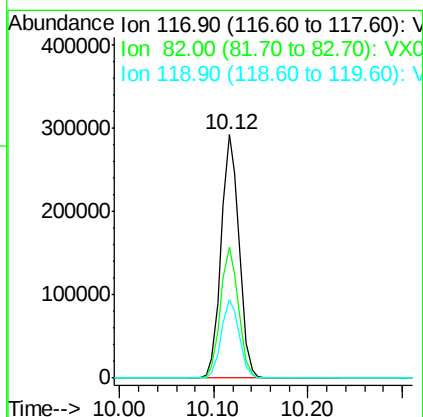
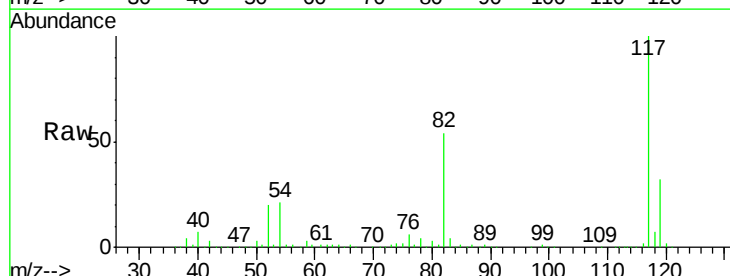
Instrument :
MSVOA_X
ClientSampleId :
MW-20

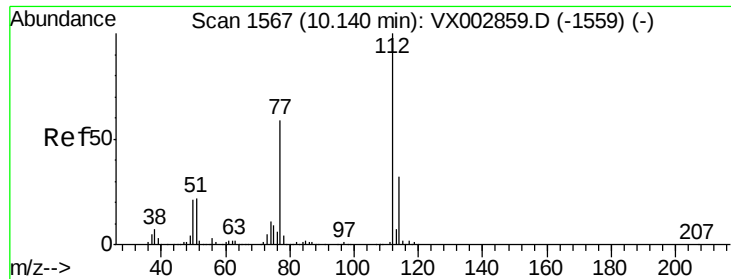
Tot Ion: 95 Resp: 209889
Ion Ratio Lower Upper
95 100
174 95.9 0.0 187.4
176 94.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Tgt Ion: 117 Resp: 385990
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.0 25.8 38.6





#65

Chlorobenzene

Concen: 5.08 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampled :

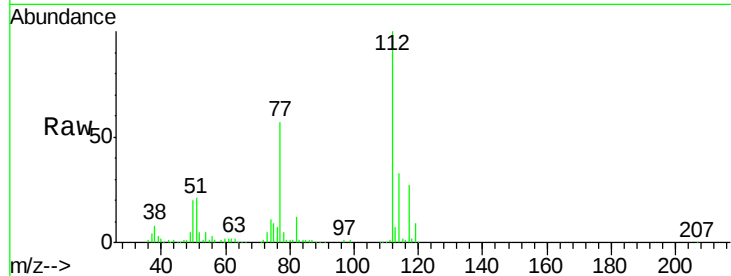
MW-20

Tot Ion:112 Resp: 49762

Ion Ratio Lower Upper

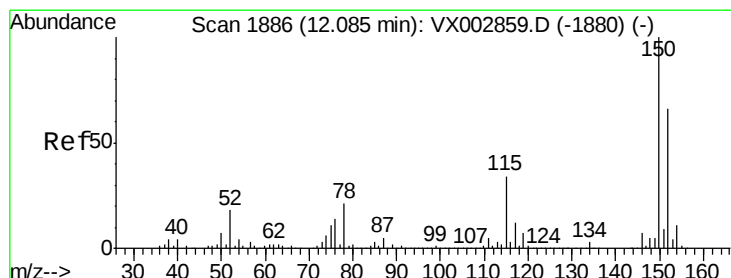
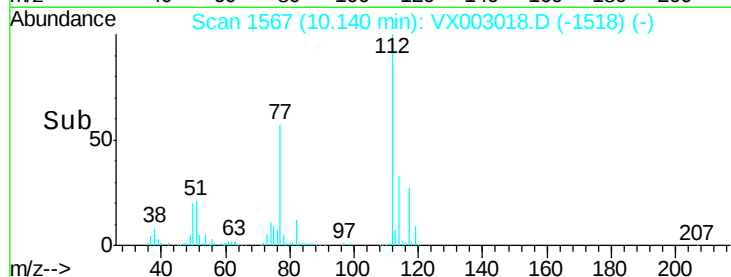
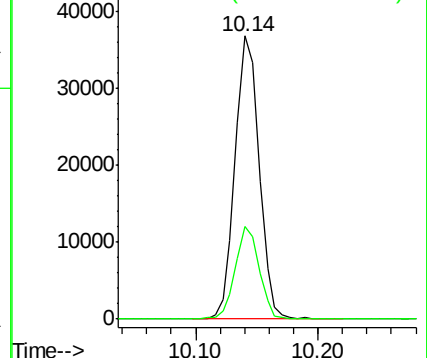
112 100

114 32.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

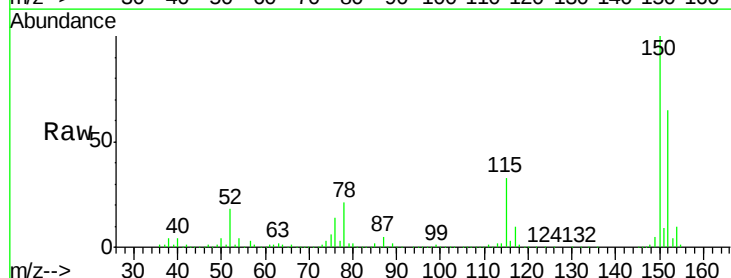
Tgt Ion:152 Resp: 221709

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

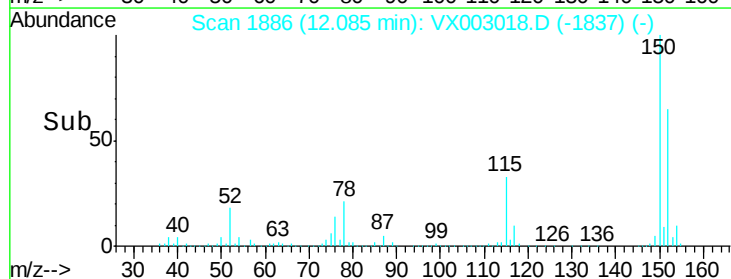
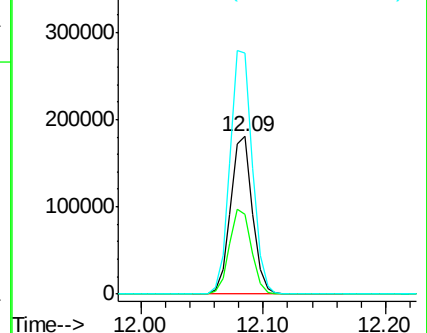
150 158.3 0.0 347.2

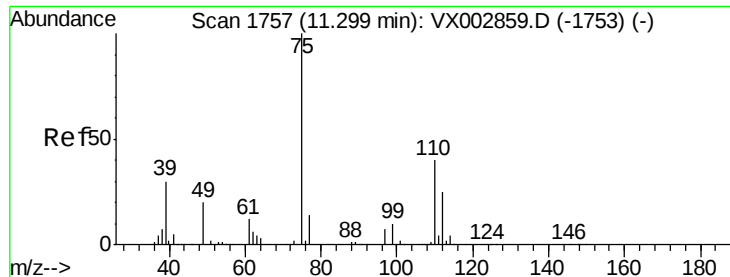


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

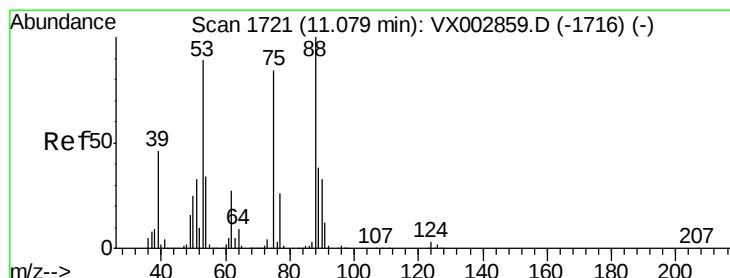
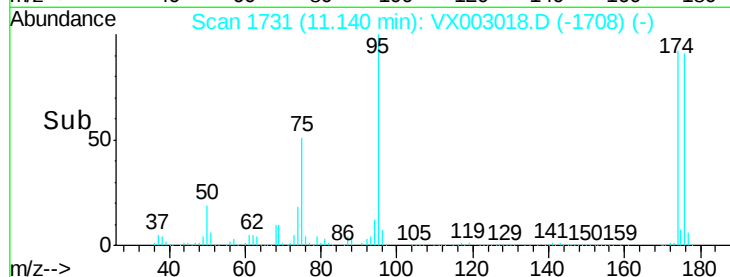
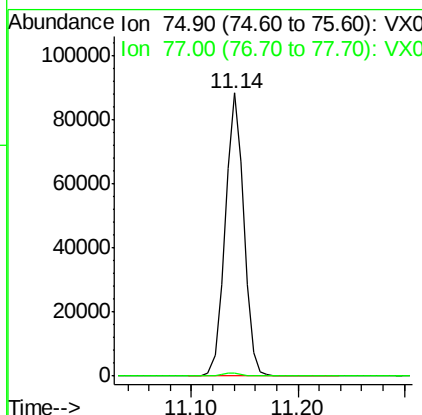
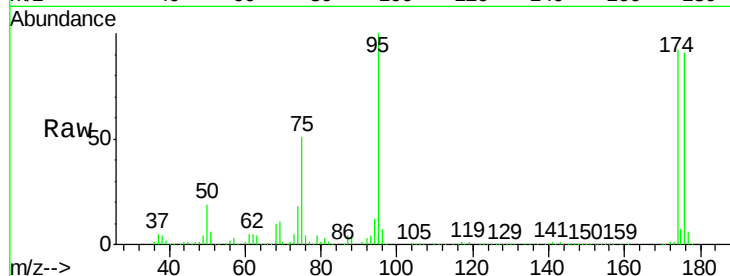




#76
 1,2,3-Trichloropropane
 Concen: 26.85 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003018.D
 Acq: 29 Jun 2018 07:08

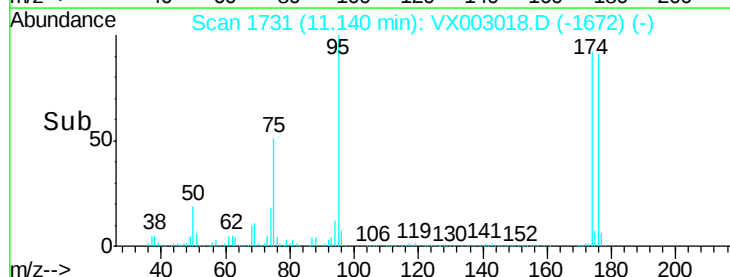
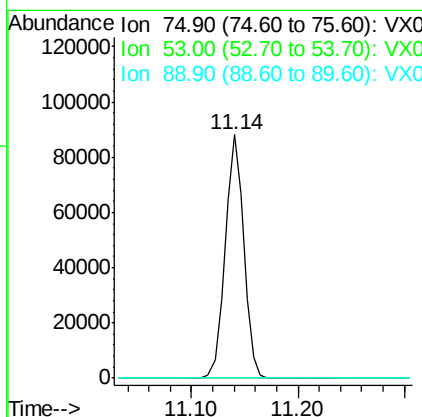
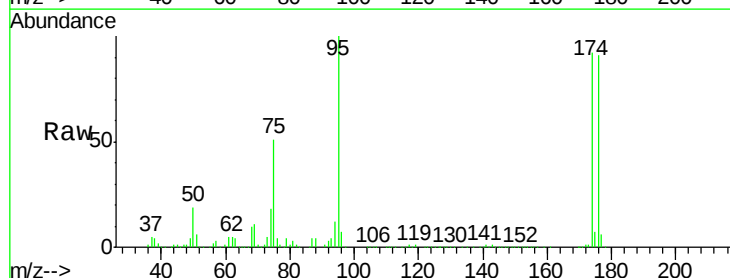
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20

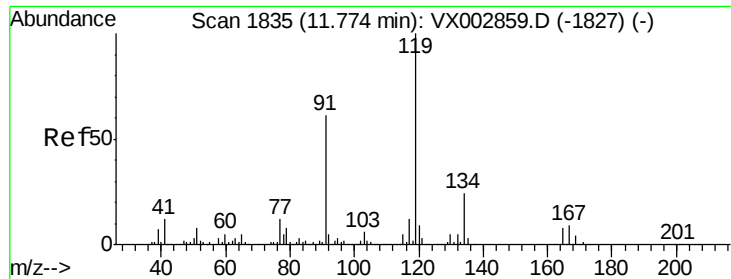
Tot Ion: 75 Resp: 107831
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.03 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003018.D
 Acq: 29 Jun 2018 07:08

Tgt Ion: 75 Resp: 107831
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.1 38.2 57.2#

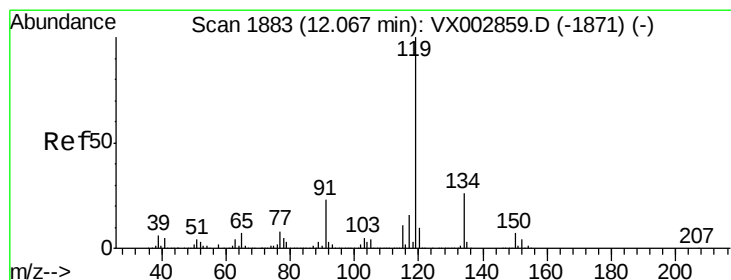
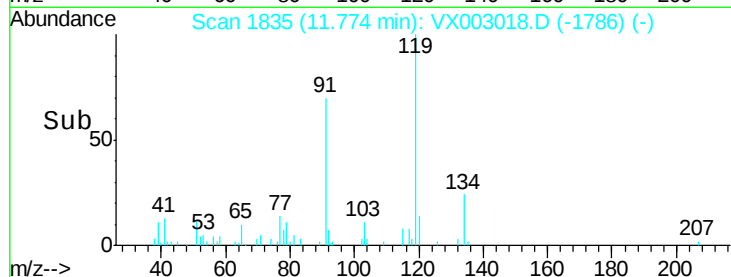
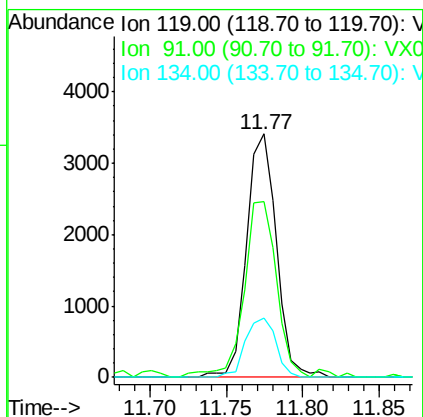
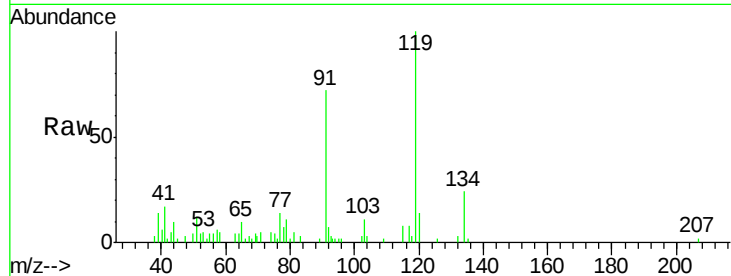




#83
tert-Butylbenzene
Concen: 0.37 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

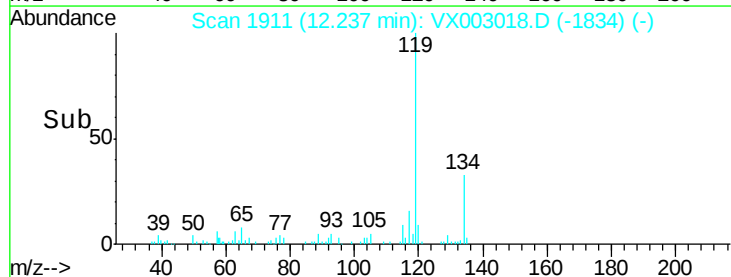
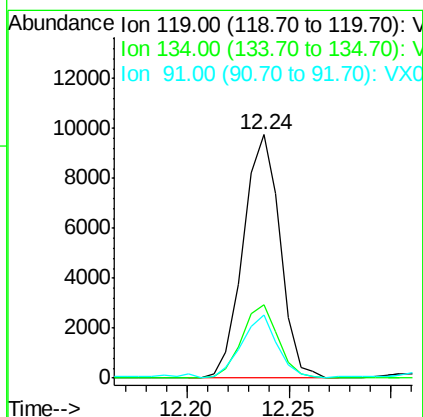
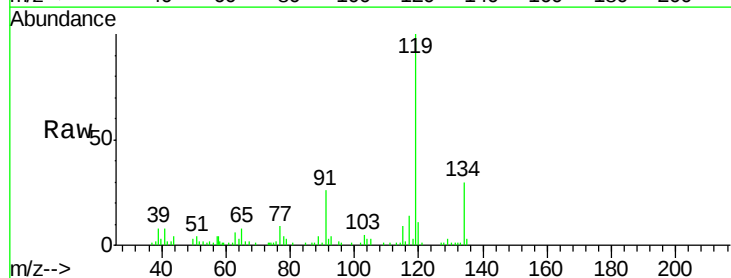
Instrument :
MSVOA_X
ClientSampled :
MW-20

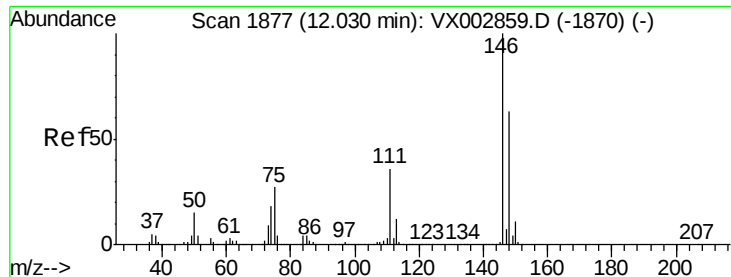
Tot Ion:119 Resp: 4617
Ion Ratio Lower Upper
119 100
91 78.6 30.3 90.9
134 24.8 11.7 35.1



#86
p-Isopropyltoluene
Concen: 0.91 ug/l
RT: 12.24 min Scan# 1911
Delta R.T. 0.17 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Tgt Ion:119 Resp: 12269
Ion Ratio Lower Upper
119 100
134 29.7 13.4 40.1
91 25.3 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 0.29 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

MW-20

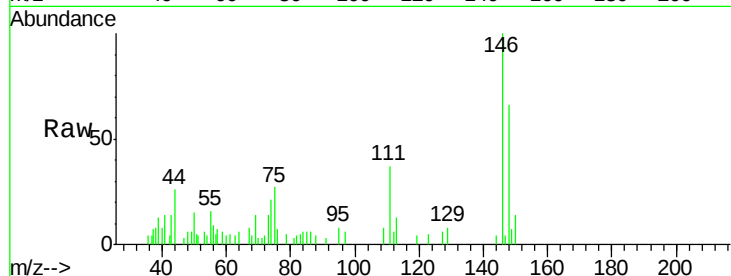
Tot Ion:146 Resp: 2255

Ion Ratio Lower Upper

146 100

111 41.1 18.9 56.7

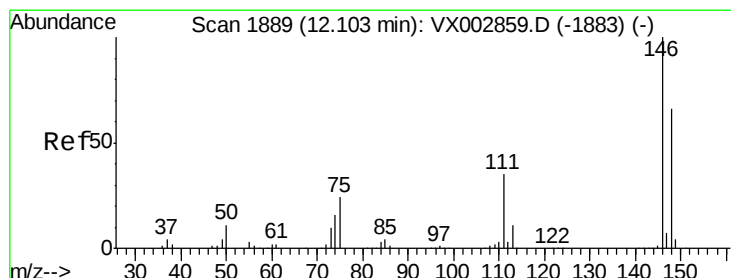
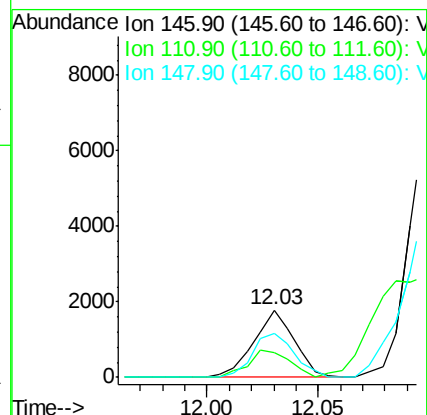
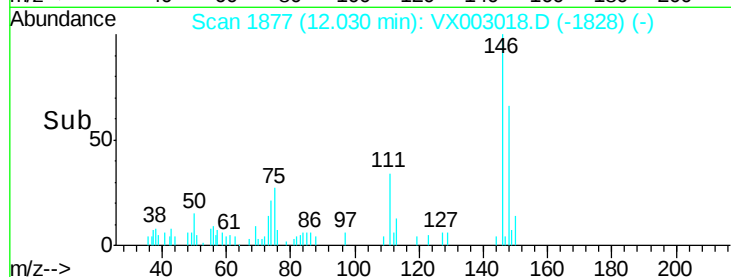
148 67.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.28 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

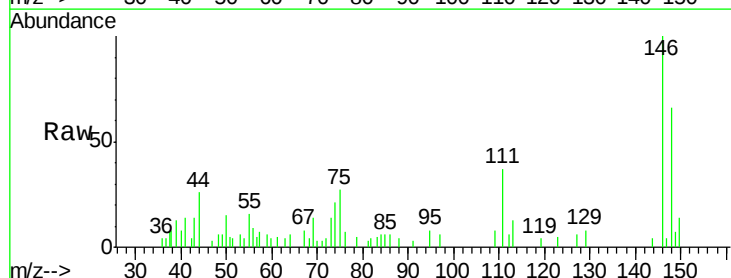
Tgt Ion:146 Resp: 2255

Ion Ratio Lower Upper

146 100

111 41.1 18.7 56.1

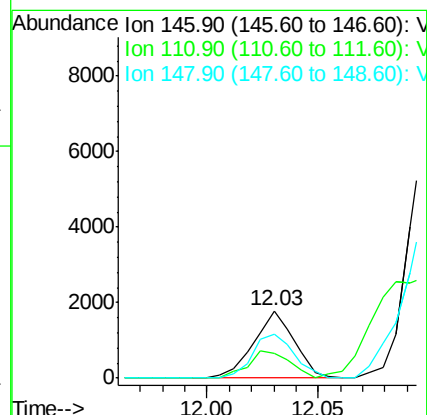
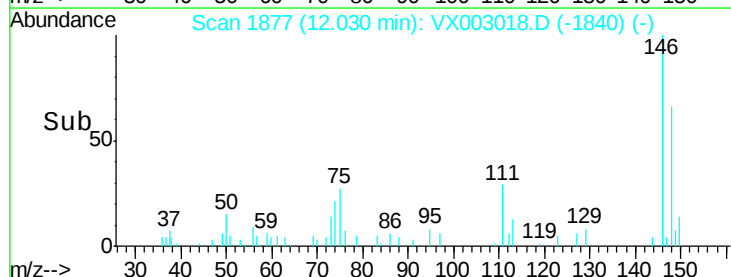
148 67.7 32.4 97.0

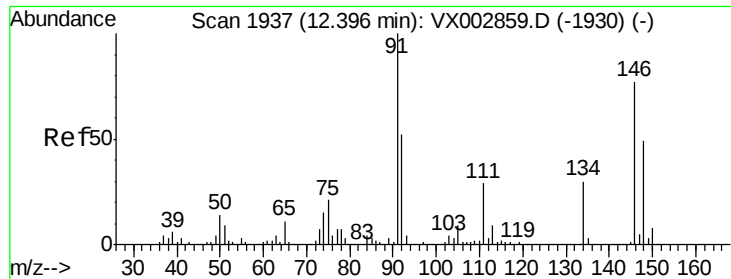


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.60 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

MW-20

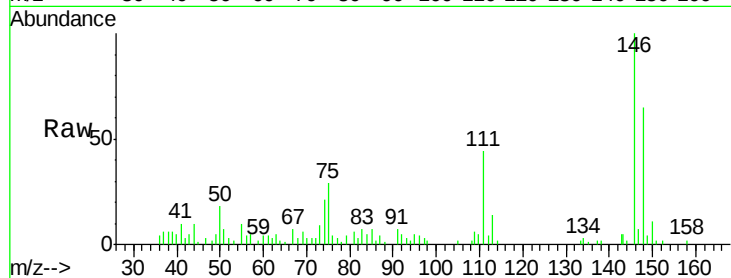
Tot Ion:146 Resp: 4719

Ion Ratio Lower Upper

146 100

111 44.6 19.4 58.1

148 69.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

