

Data File : VX001611.D
Acq On : 10 May 2018 19:28
Operator : JC/MD
Sample : J1427-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
W-1

Quant Time: May 11 06:59:38 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148428	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	156246	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	5.51	113	123829	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
50) Toluene-d8	8.72	98	430633	41.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.32%	
62) 4-Bromofluorobenzene	11.14	95	139255	35.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.20%	

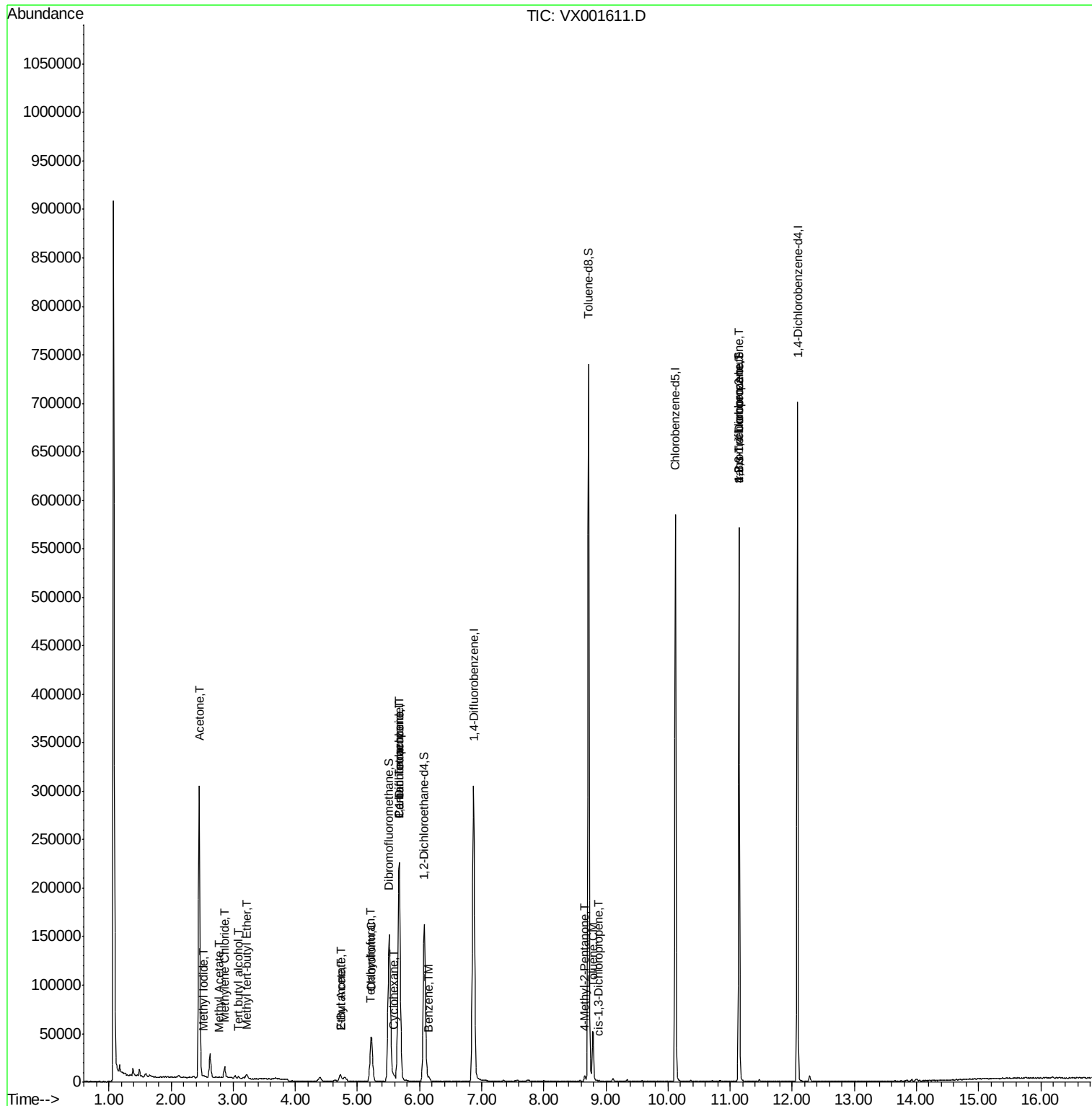
Target Compounds			Qvalue			
5) Bromomethane	1.65	94	879	Below Cal		95
10) Methyl Iodide	2.53	142	882	0.21 ug/l	#	93
11) Tert butyl alcohol	3.08	59	2720	3.80 ug/l		97
13) Acrolein	2.29	56	59	Below Cal	#	16
16) Acetone	2.45	43	321667	208.58 ug/l		99
18) Methyl Acetate	2.78	43	963	0.24 ug/l		93
19) Methyl tert-butyl Ether	3.21	73	4462	0.49 ug/l		96
20) Methylene Chloride	2.86	84	5425	1.78 ug/l		97
25) 2-Butanone	4.72	43	12569	5.64 ug/l		95
29) Tetrahydrofuran	5.20	42	580	0.41 ug/l	#	58
30) Chloroform	5.23	83	53133	10.14 ug/l		98
31) Cyclohexane	5.59	56	4059	0.93 ug/l		90
36) 1,1-Dichloropropene	5.67	75	14961	3.69 ug/l	#	50
37) Ethyl Acetate	4.72	43	12569	2.83 ug/l	#	69
38) Carbon Tetrachloride	5.67	117	20826	4.82 ug/l	#	16
40) Benzene	6.15	78	3856	0.33 ug/l		92
51) 4-Methyl-2-Pentanone	8.66	43	3852	0.85 ug/l		98
52) Toluene	8.79	92	18652	2.41 ug/l		100
54) cis-1,3-Dichloropropene	8.88	75	19	2.27 ug/l	#	34
76) 1,2,3-Trichloropropane	11.14	75	69333	23.03 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	69333	71.42 ug/l	#	7

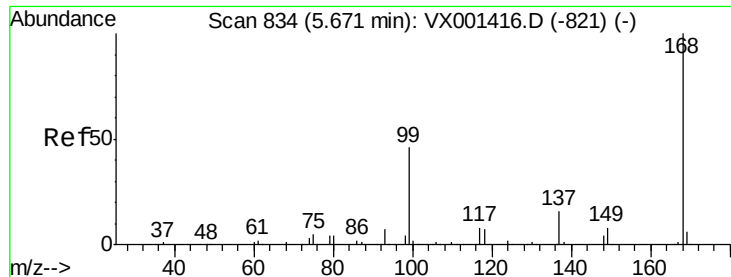
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampled :

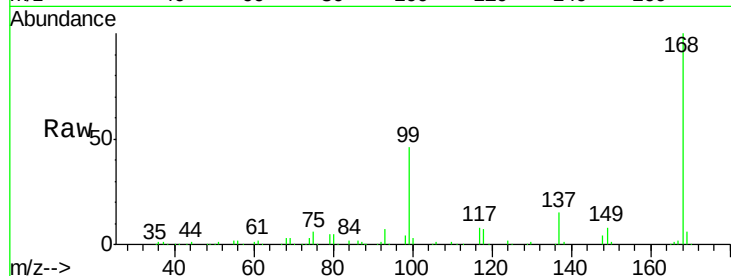
W-1

Tgt Ion:168 Resp: 236297

Ion Ratio Lower Upper

168 100

99 45.8 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

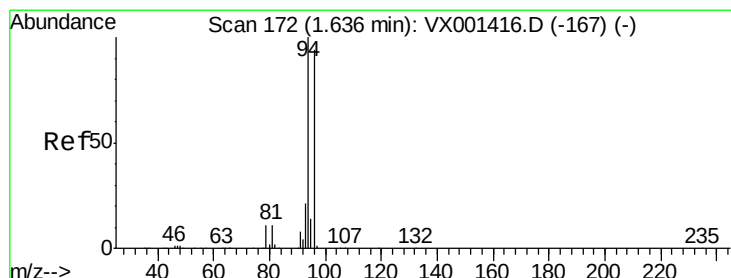
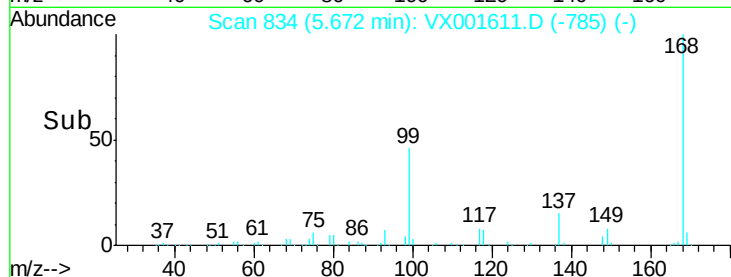
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001611.D

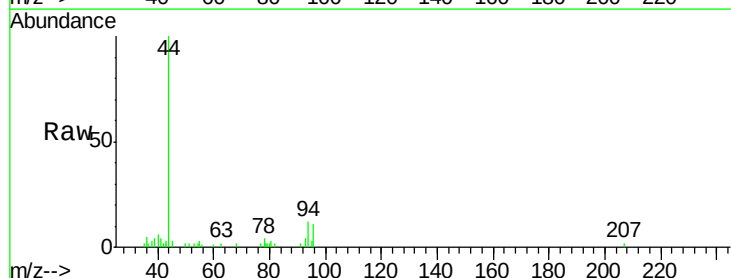
Acq: 10 May 2018 19:28

Tgt Ion: 94 Resp: 879

Ion Ratio Lower Upper

94 100

96 98.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

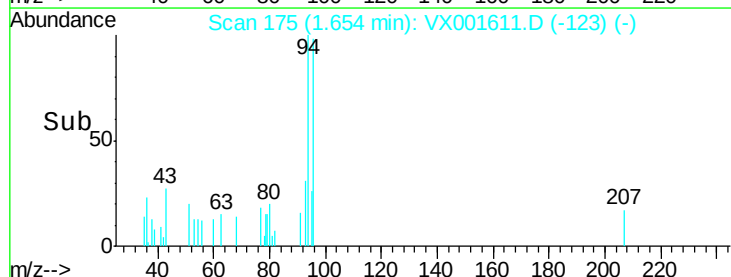
300

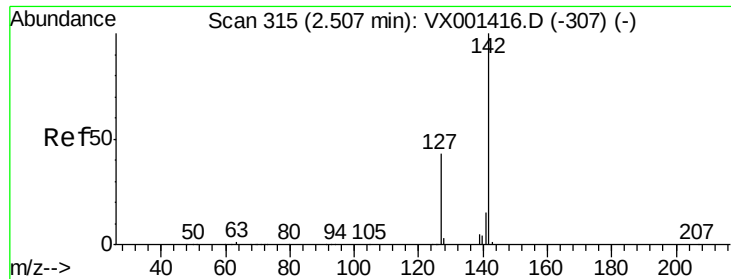
200

100

0

Time--> 1.60 1.65 1.70

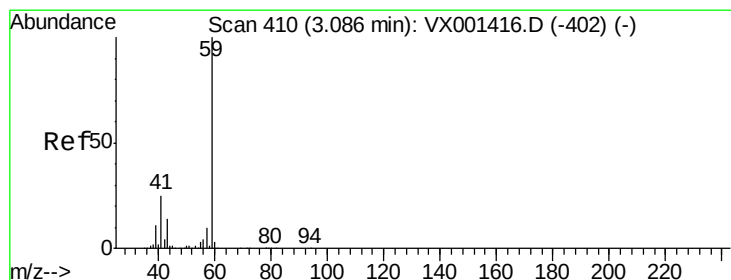
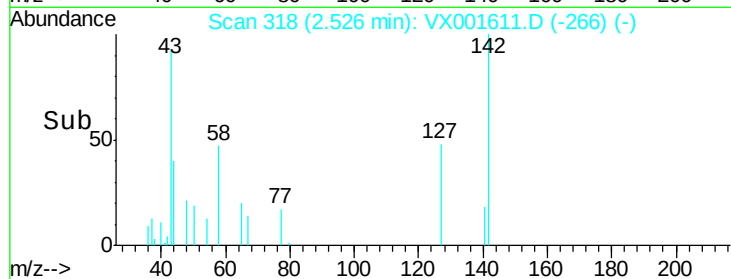
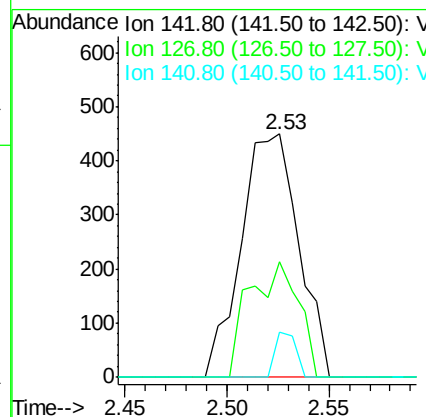
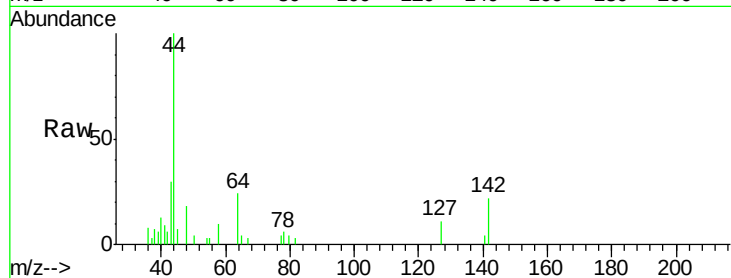




#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

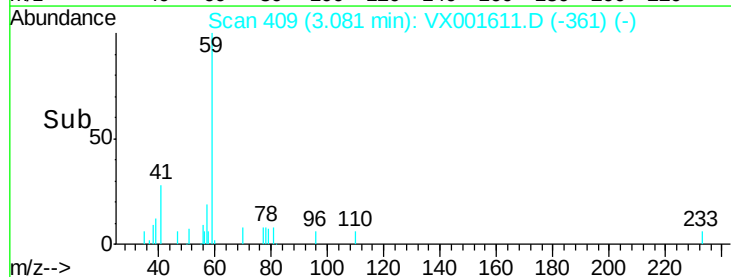
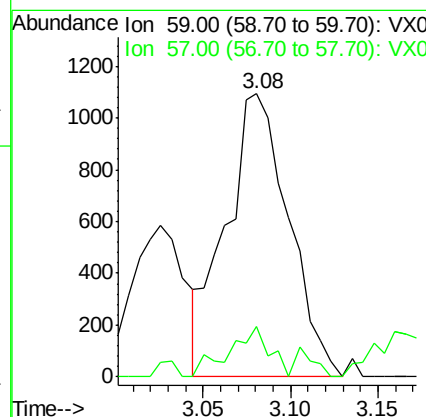
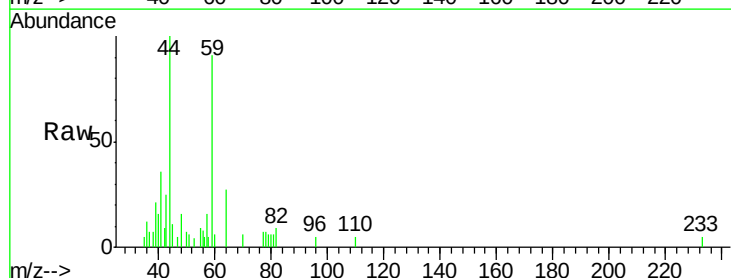
Instrument :
MSVOA_X
ClientSampled :
W-1

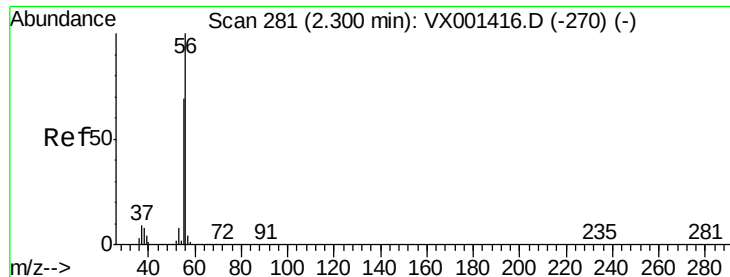
Tgt Ion:142 Resp: 882
Ion Ratio Lower Upper
142 100
127 40.2 33.6 50.4
141 6.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.80 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

Tgt Ion: 59 Resp: 2720
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.4





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampled :

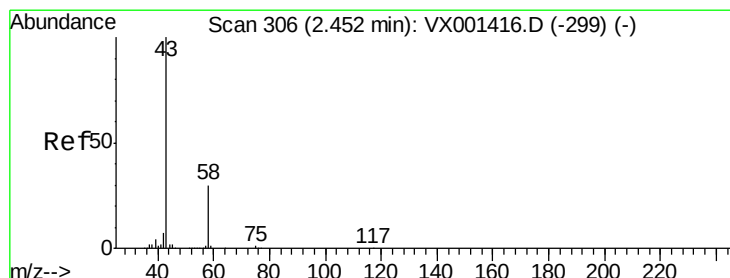
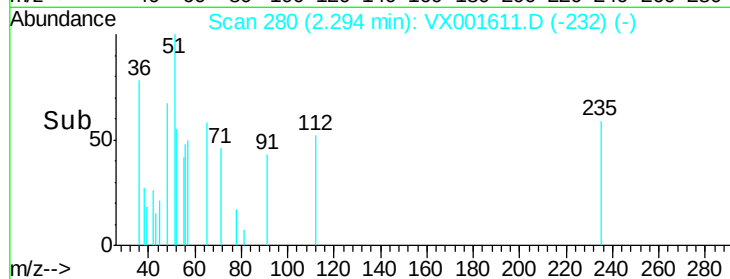
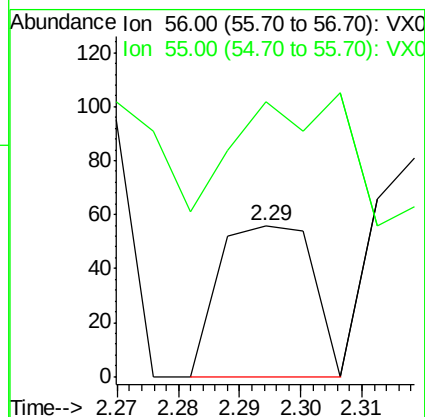
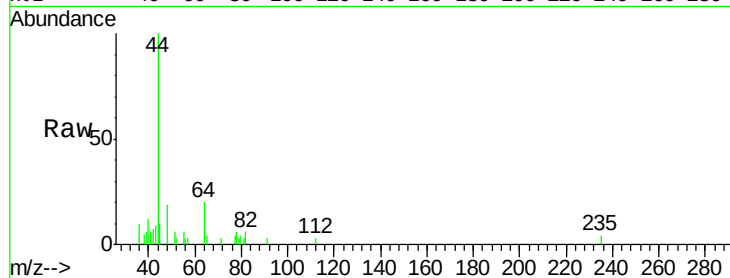
W-1

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#16

Acetone

Concen: 208.58 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001611.D

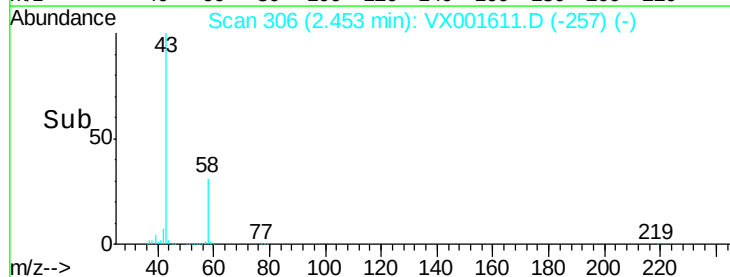
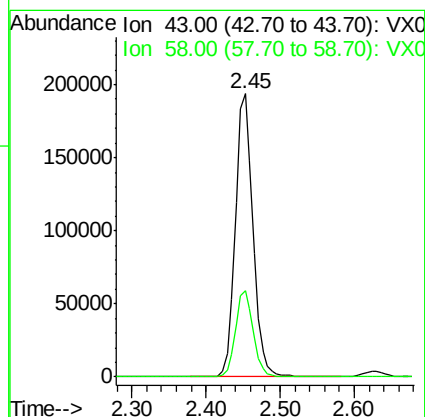
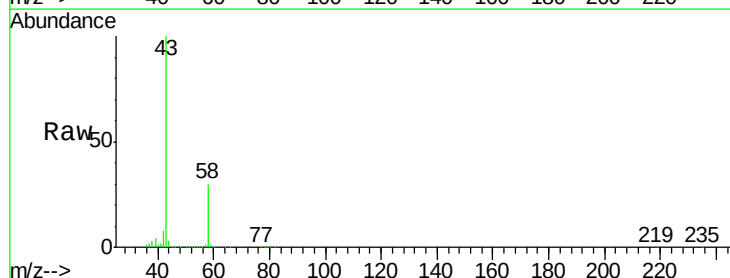
Acq: 10 May 2018 19:28

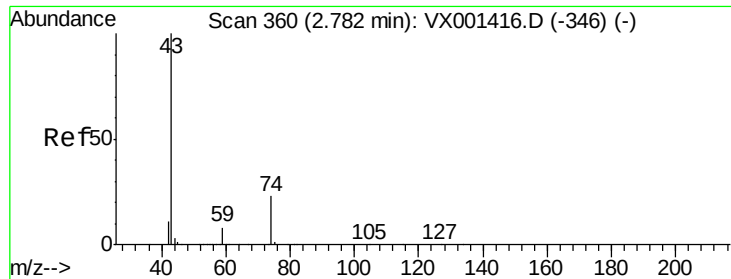
Tgt Ion: 43 Resp: 321667

Ion Ratio Lower Upper

43 100

58 30.5 23.8 35.8

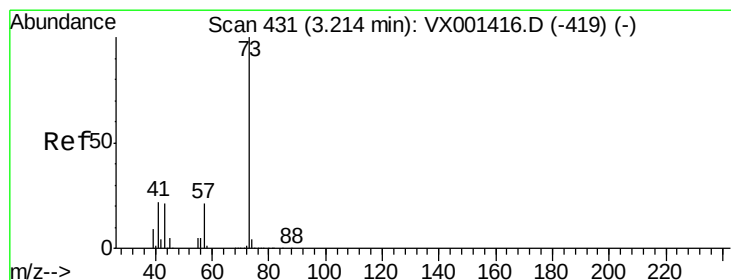
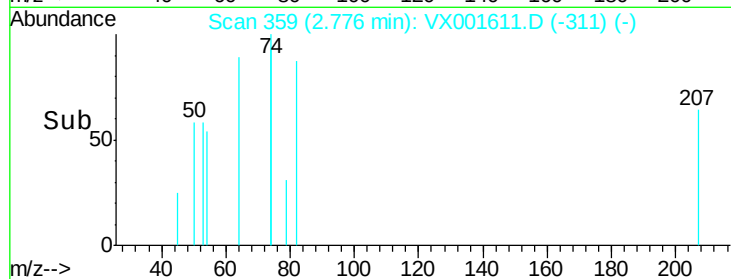
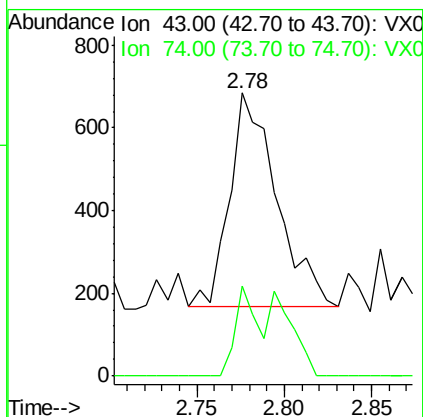
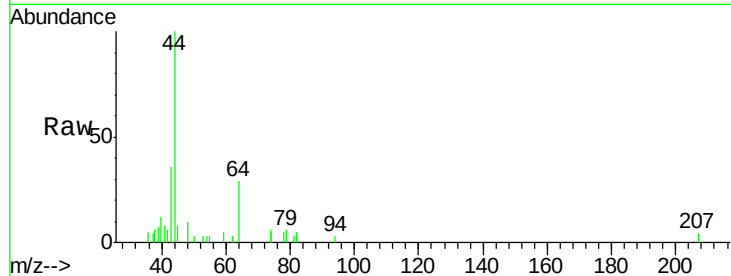




#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

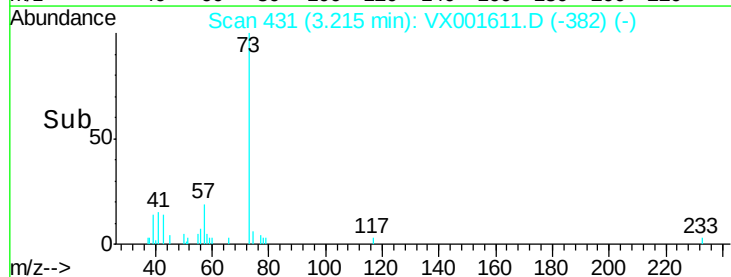
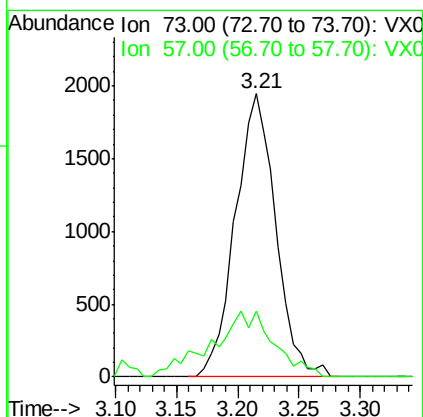
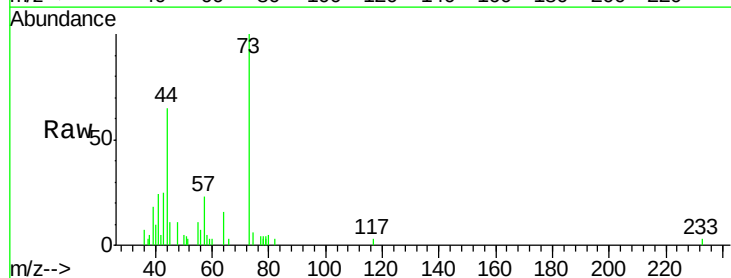
Instrument :
MSVOA_X
ClientSampleId :
W-1

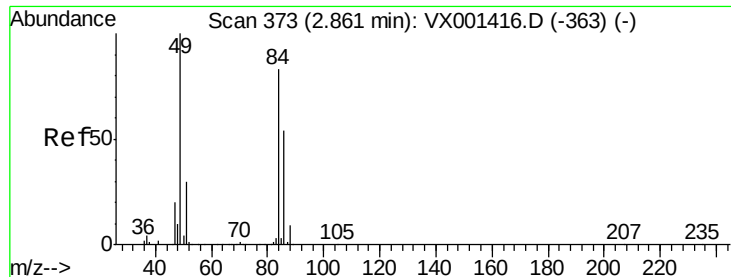
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
74 19.9 18.6 27.8



#19
Methyl tert-butyl Ether
Concen: 0.49 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

Tgt Ion: 73 Resp: 4462
Ion Ratio Lower Upper
73 100
57 23.2 17.0 25.6

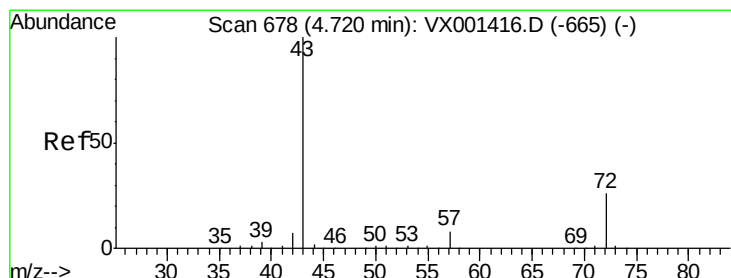
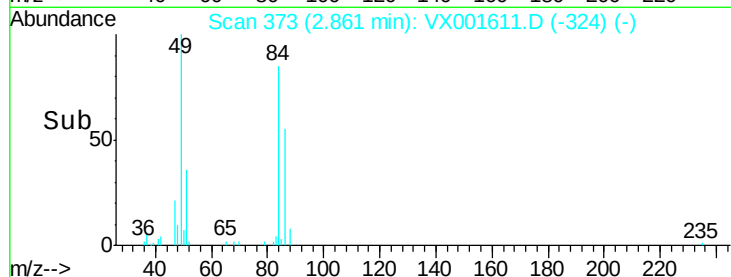
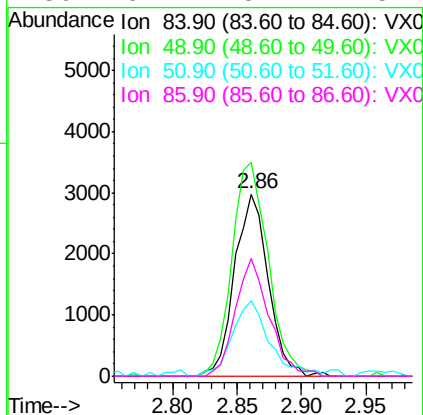
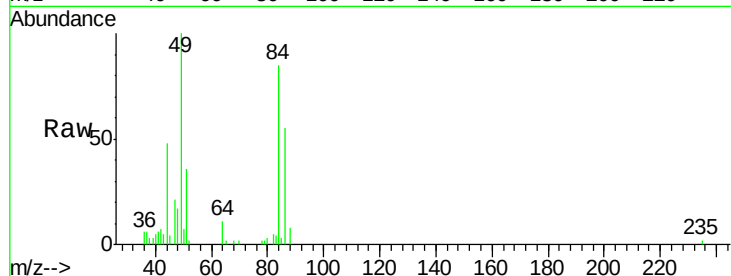




#20
Methylene Chloride
Concen: 1.78 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

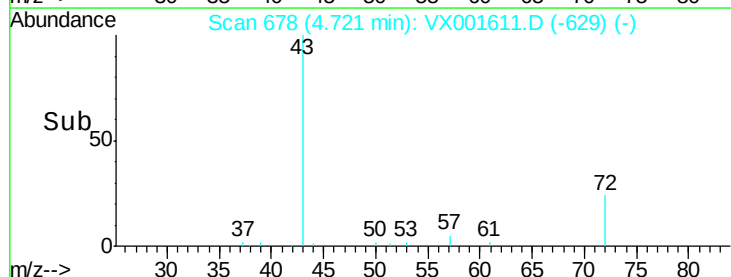
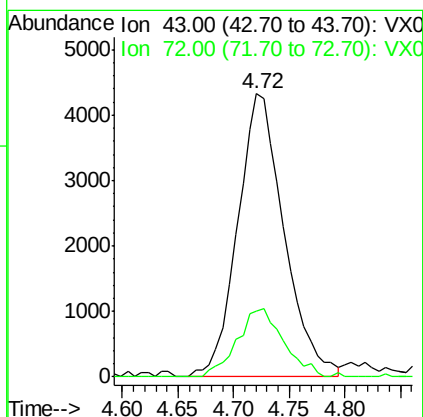
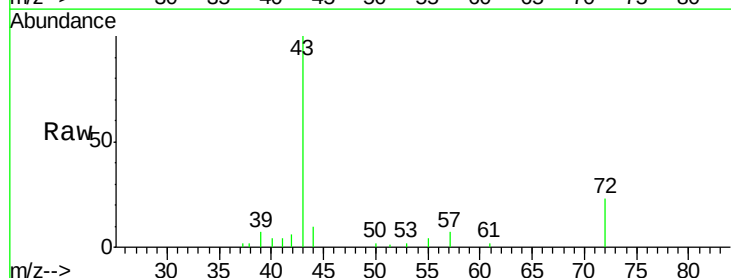
Instrument :
MSVOA_X
ClientSampled :
W-1

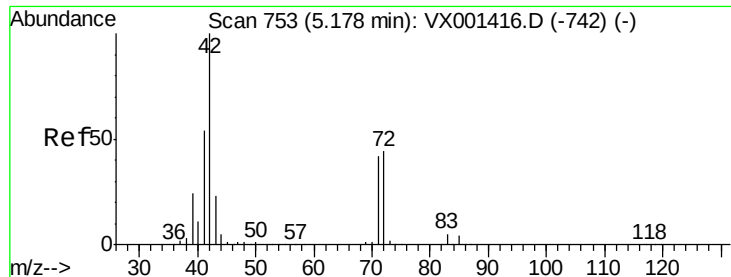
Tgt Ion: 84 Resp: 5425
Ion Ratio Lower Upper
84 100
49 117.2 96.6 144.8
51 41.7 29.0 43.4
86 64.7 52.2 78.4



#25
2-Butanone
Concen: 5.64 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

Tgt Ion: 43 Resp: 12569
Ion Ratio Lower Upper
43 100
72 23.2 20.7 31.1

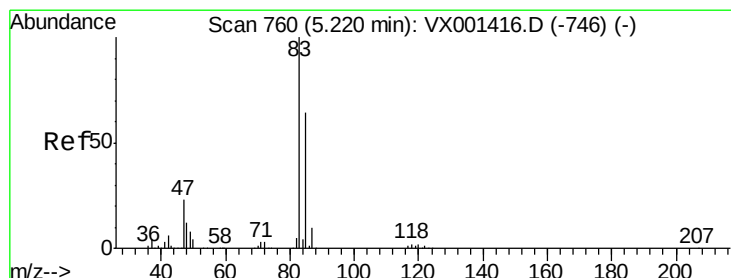
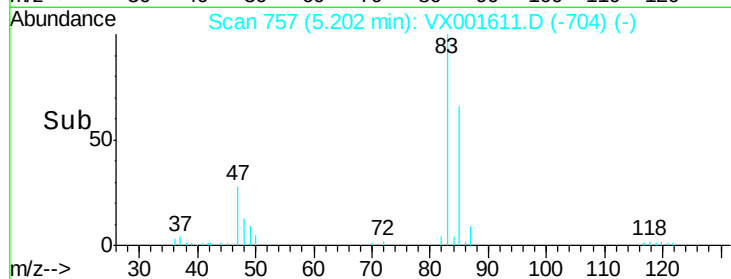
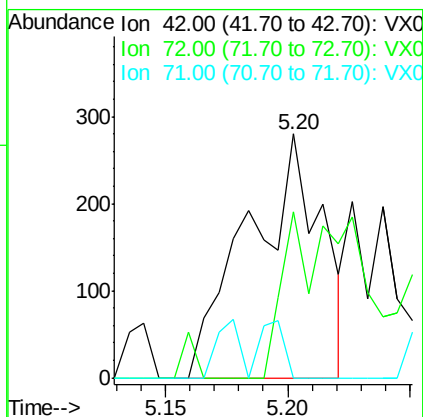
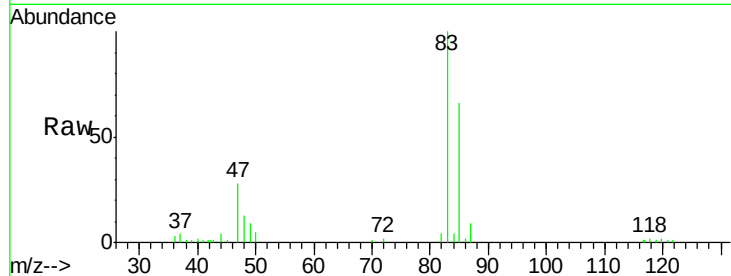




#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.02 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

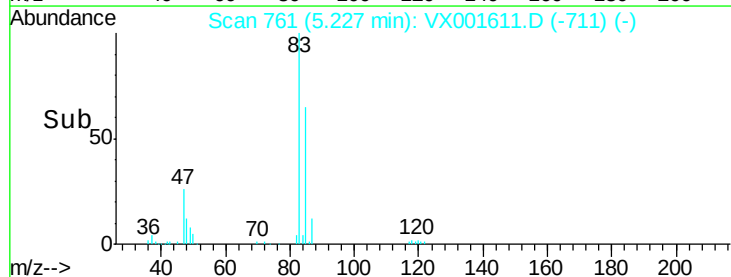
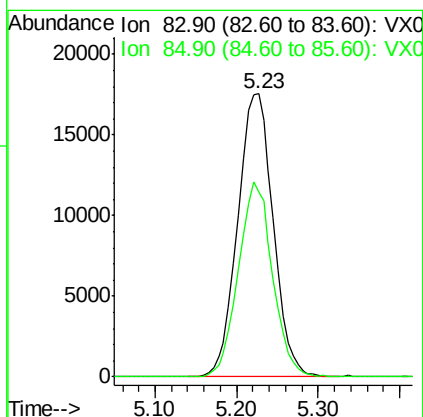
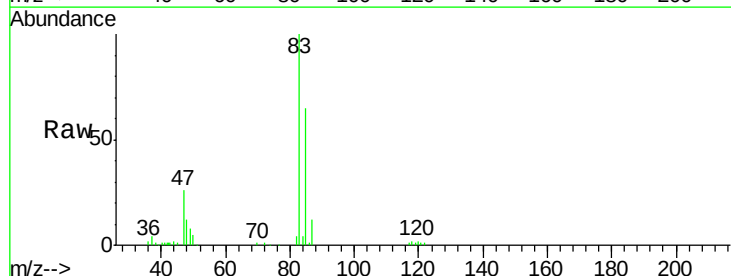
Instrument :
MSVOA_X
ClientSampled :
W-1

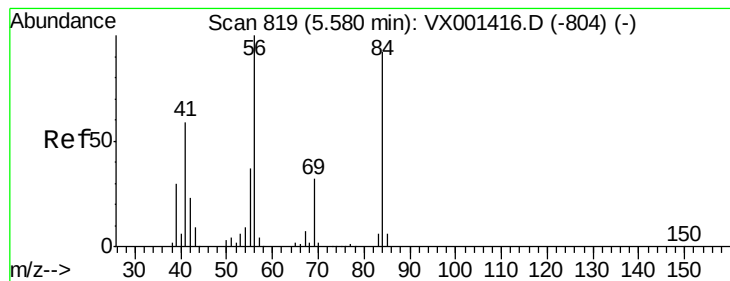
Tgt Ion: 42 Resp: 580
Ion Ratio Lower Upper
42 100
72 24.0 35.4 53.2#
71 7.9 33.0 49.4#



#30
Chloroform
Concen: 10.14 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

Tgt Ion: 83 Resp: 53133
Ion Ratio Lower Upper
83 100
85 65.3 51.0 76.4





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

W-1

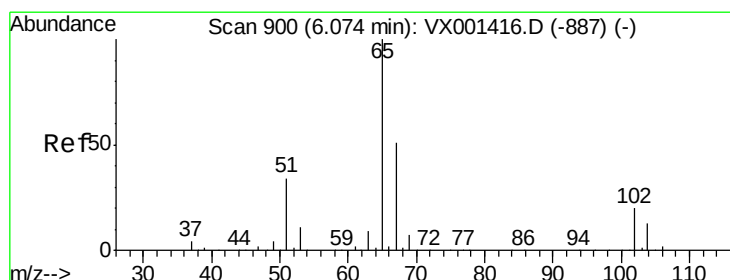
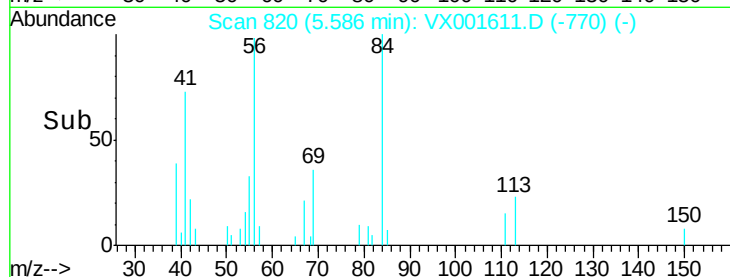
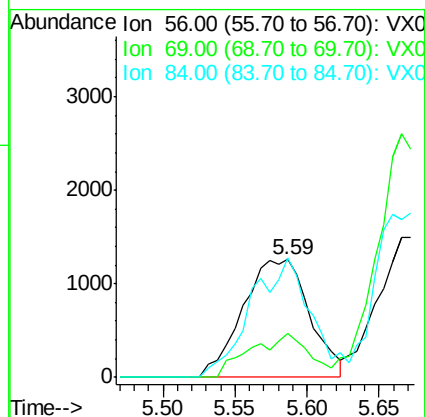
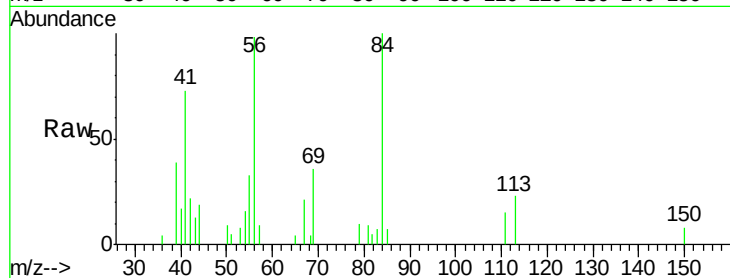
Tgt Ion: 56 Resp: 4059

Ion Ratio Lower Upper

56 100

69 36.8 25.4 38.0

84 101.8 73.8 110.8



#33

1,2-Dichloroethane-d4

Concen: 46.00 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001611.D

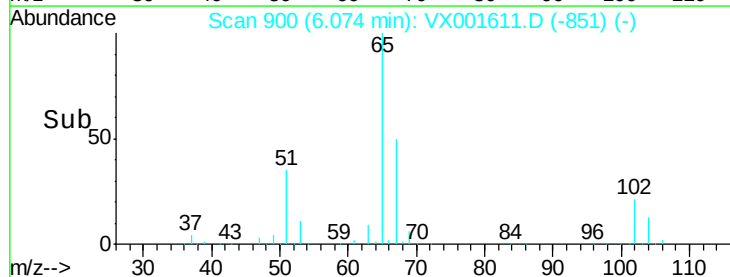
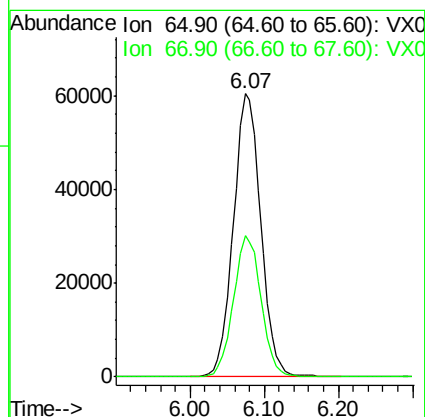
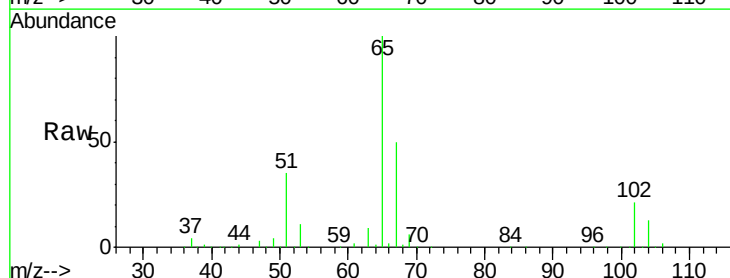
Acq: 10 May 2018 19:28

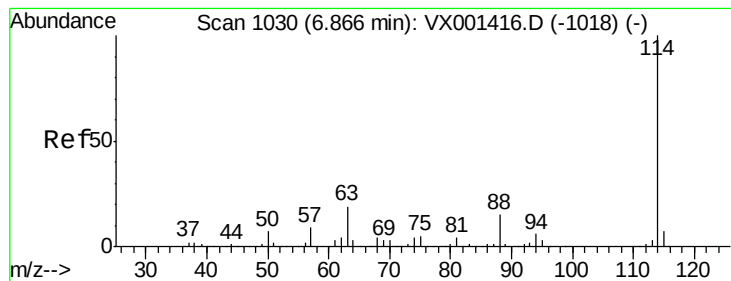
Tgt Ion: 65 Resp: 156246

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

W-1

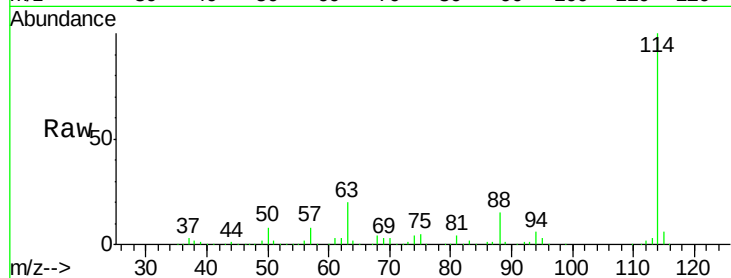
Tgt Ion:114 Resp: 318342

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

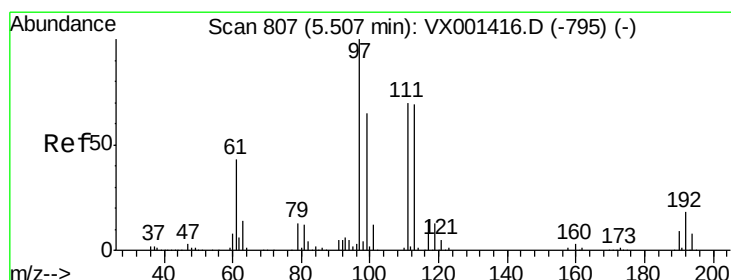
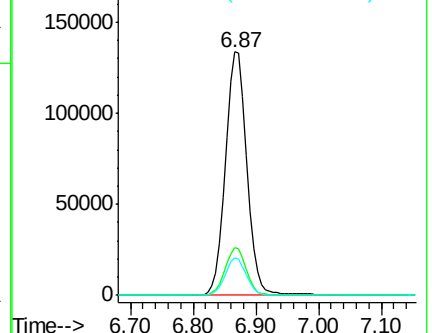
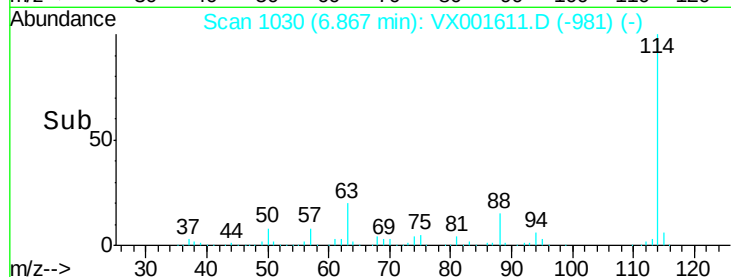
88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 43.73 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

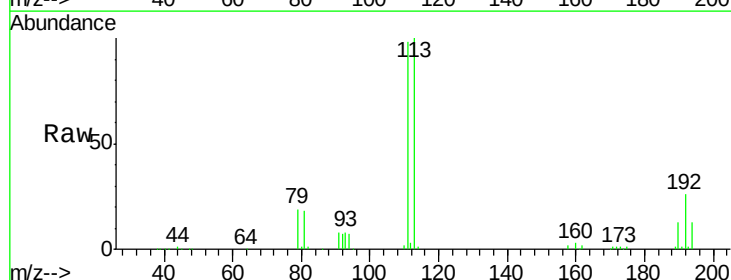
Tgt Ion:113 Resp: 123829

Ion Ratio Lower Upper

113 100

111 100.3 82.2 123.2

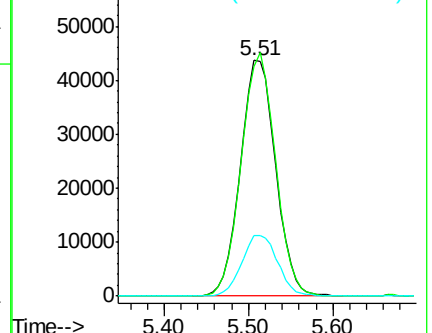
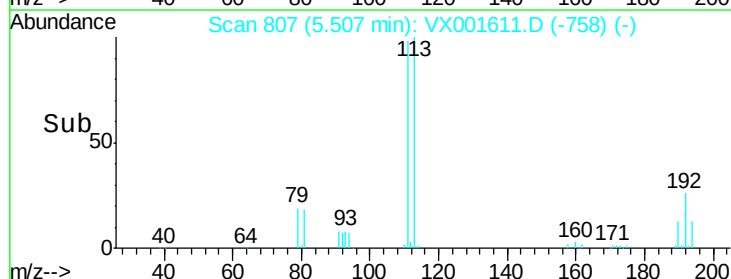
192 25.9 21.4 32.0

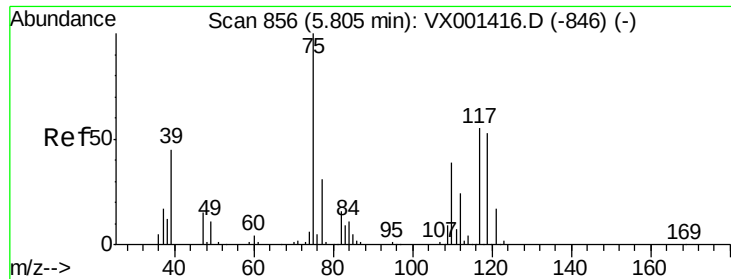


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

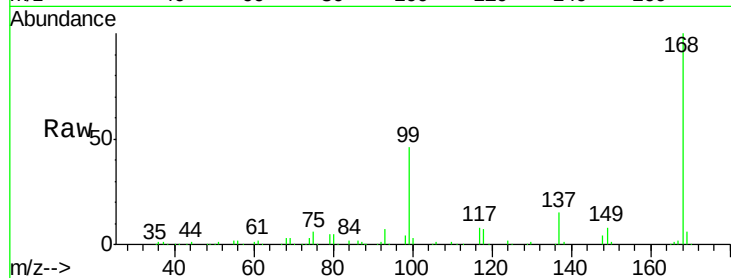




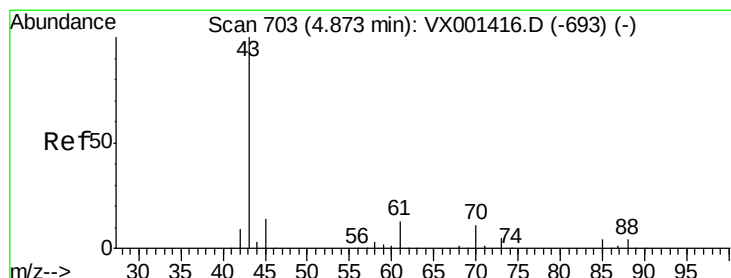
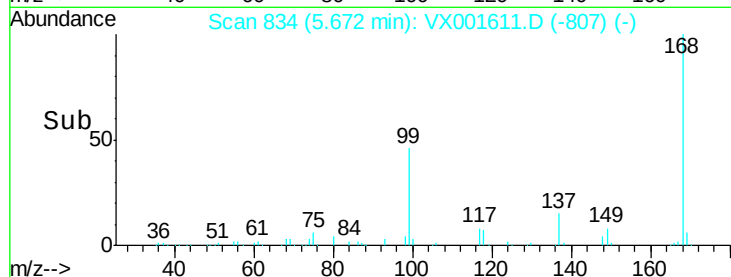
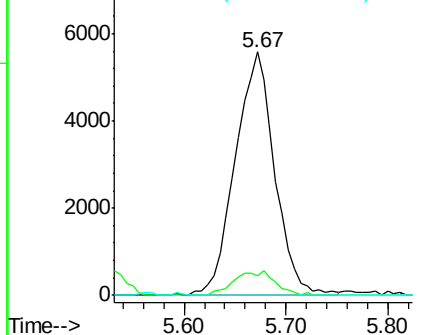
#36
 1,1-Dichloropropene
 Concen: 3.69 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001611.D
 Acq: 10 May 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 W-1

Tgt Ion: 75 Resp: 14961
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.9 56.7#
 77 0.0 24.9 37.3#

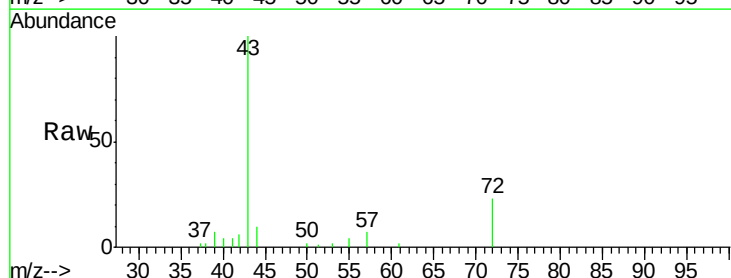


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

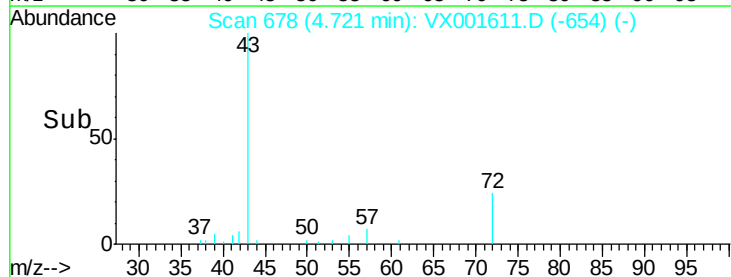
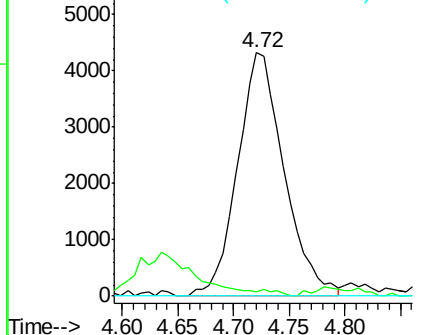


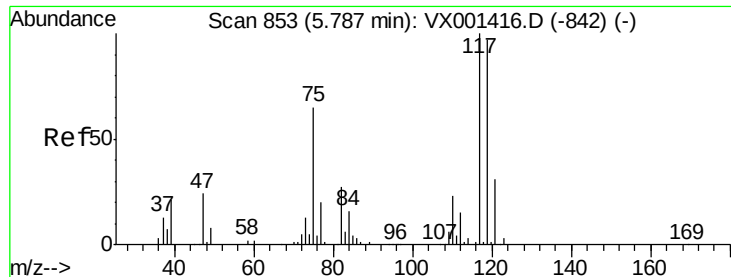
#37
 Ethyl Acetate
 Concen: 2.83 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.15 min
 Lab File: VX001611.D
 Acq: 10 May 2018 19:28

Tgt Ion: 43 Resp: 12569
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0

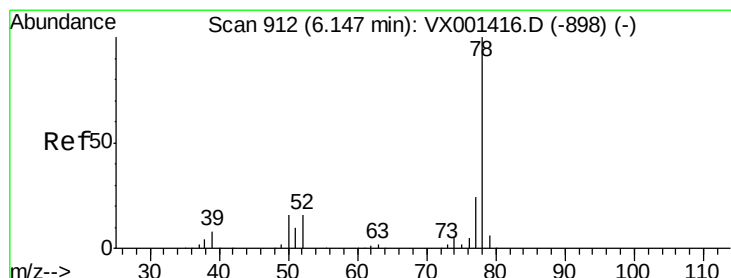
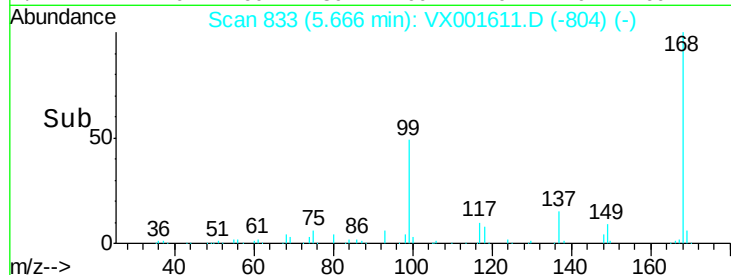
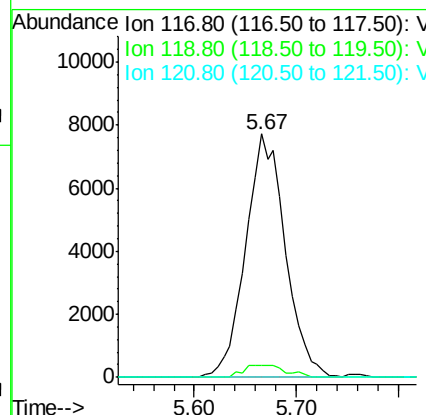
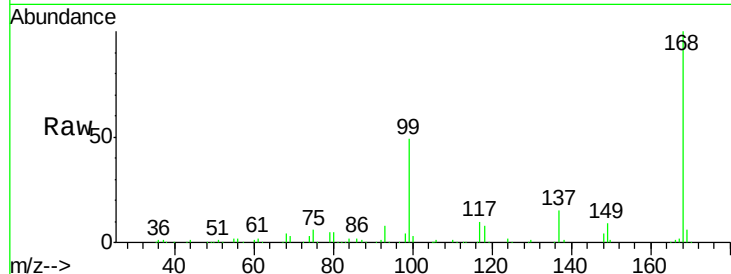




#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

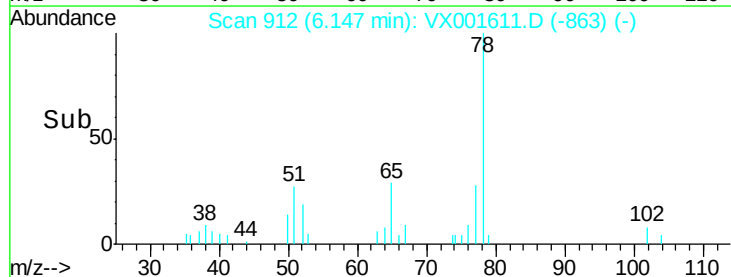
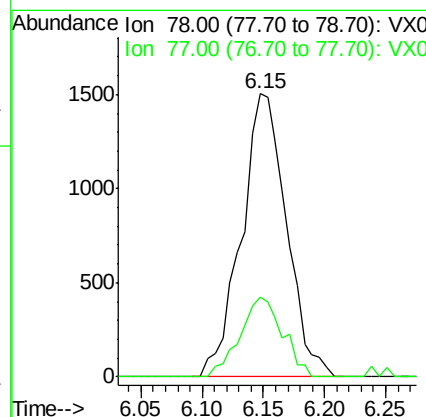
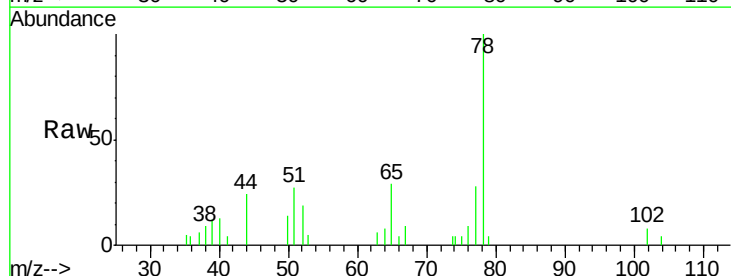
Instrument :
MSVOA_X
ClientSampled :
W-1

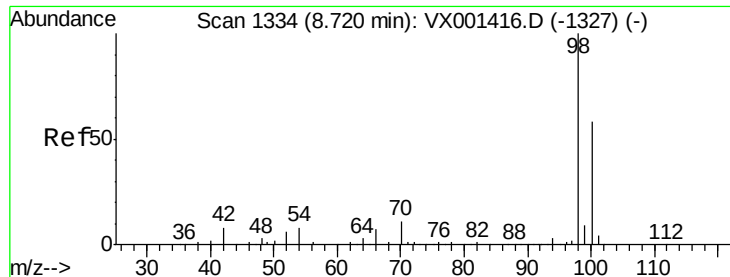
Tgt Ion: 117 Resp: 20826
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.6#
121 0.0 25.1 37.7#



#40
Benzene
Concen: 0.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

Tgt Ion: 78 Resp: 3856
Ion Ratio Lower Upper
78 100
77 28.3 19.4 29.2

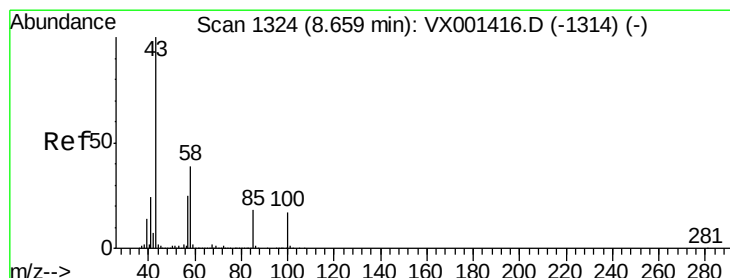
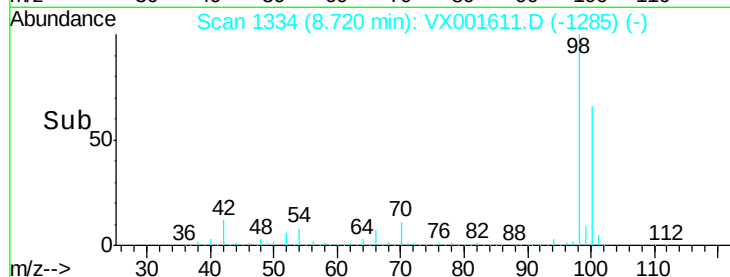
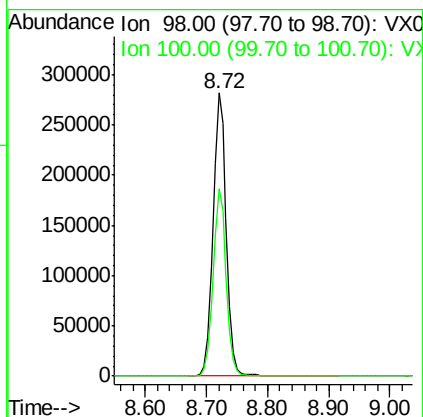
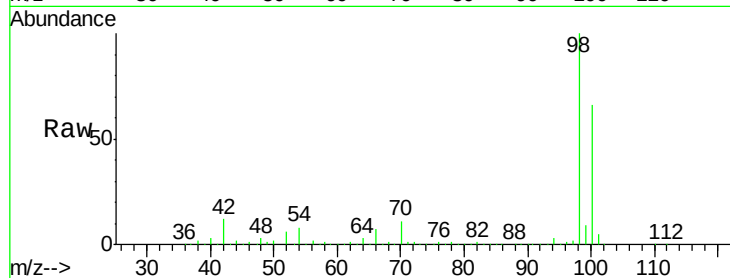




#50
Toluene-d8
Concen: 41.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

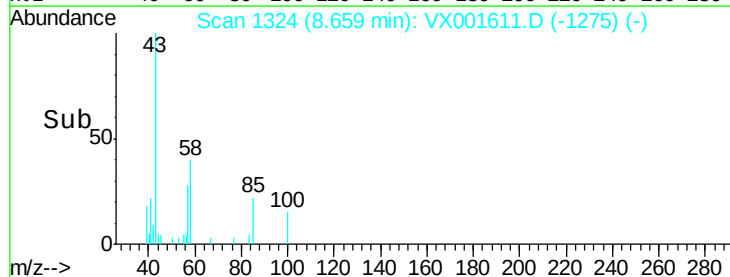
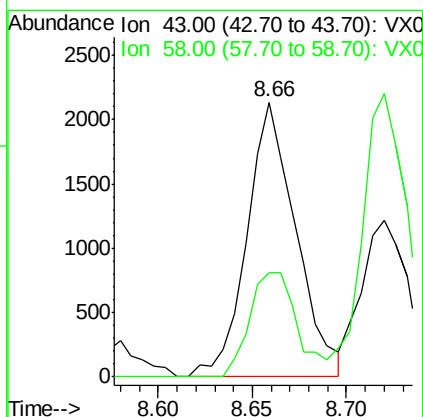
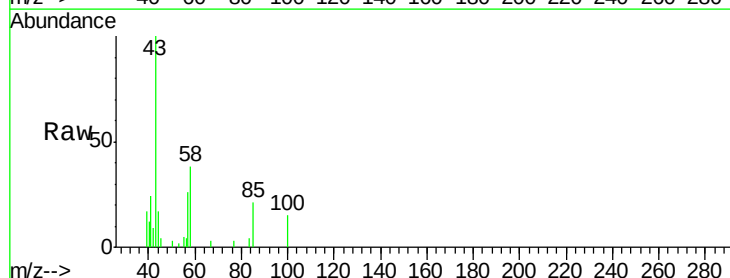
Instrument :
MSVOA_X
ClientSampled :
W-1

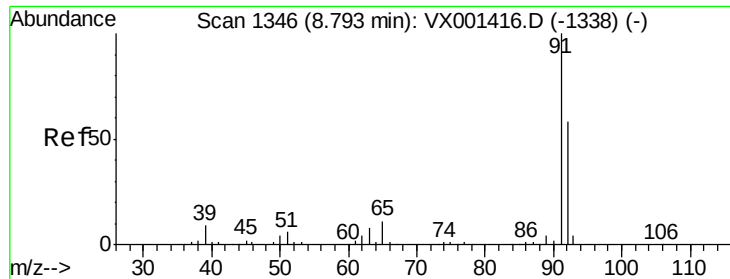
Tgt Ion: 98 Resp: 430633
Ion Ratio Lower Upper
98 100
100 65.5 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.85 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001611.D
Acq: 10 May 2018 19:28

Tgt Ion: 43 Resp: 3852
Ion Ratio Lower Upper
43 100
58 37.1 30.8 46.2





#52

Toluene

Concen: 2.41 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampled :

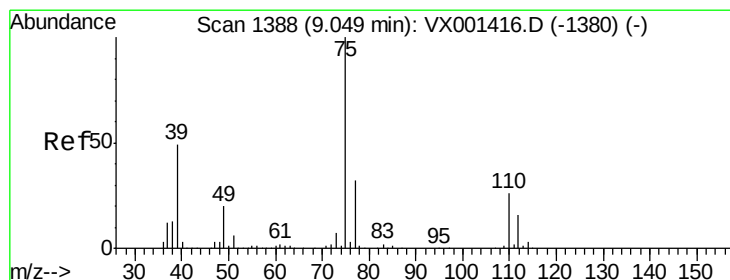
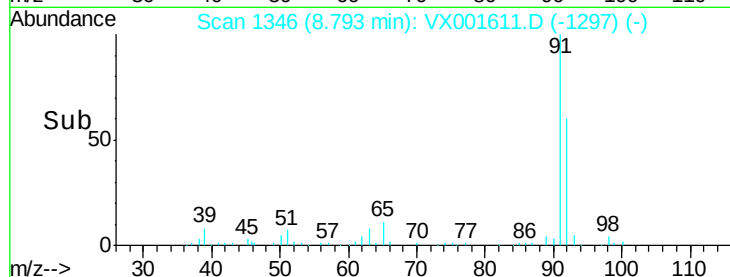
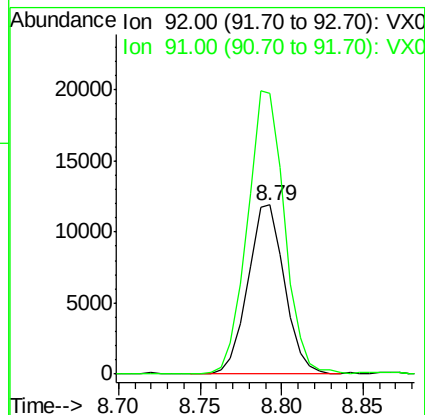
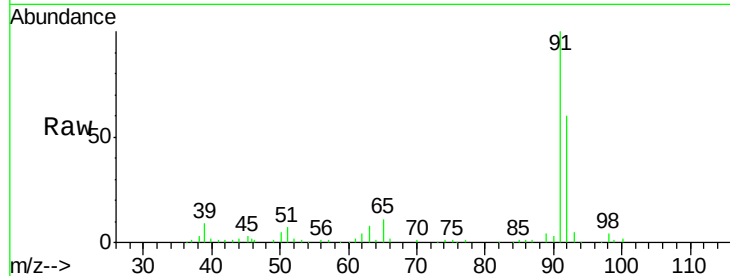
W-1

Tgt Ion: 92 Resp: 18652

Ion Ratio Lower Upper

92 100

91 169.6 135.2 202.8



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 8.88 min Scan# 1360

Delta R.T. -0.17 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

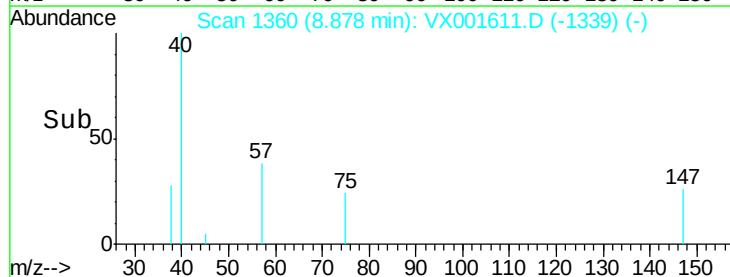
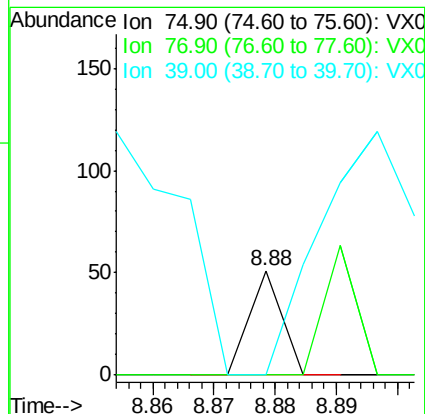
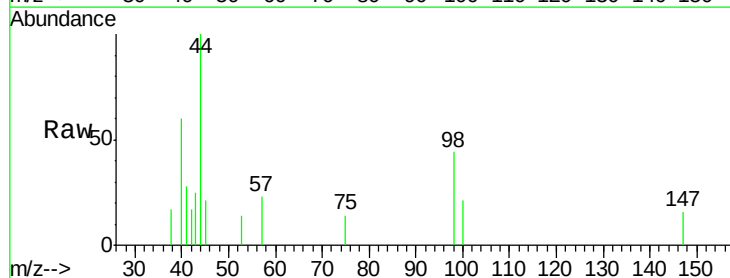
Tgt Ion: 75 Resp: 19

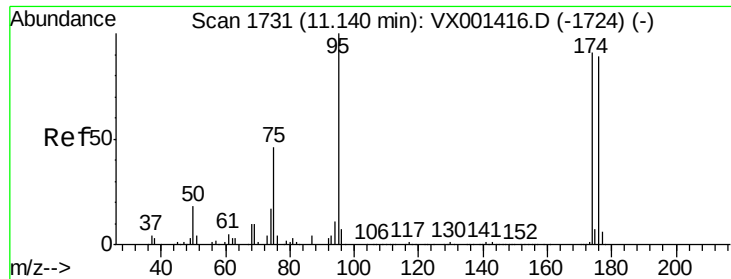
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 0.0 38.9 58.3#





#62

4-Bromofluorobenzene

Concen: 35.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

W-1

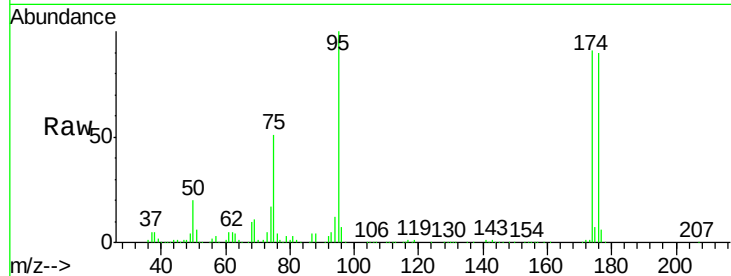
Tgt Ion: 95 Resp: 139255

Ion Ratio Lower Upper

95 100

174 100.7 0.0 202.0

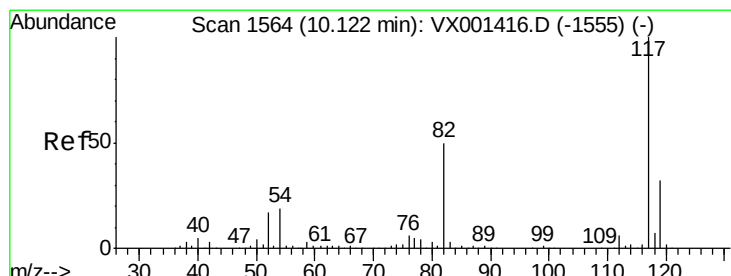
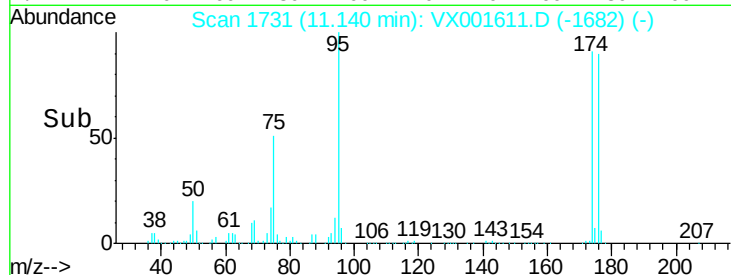
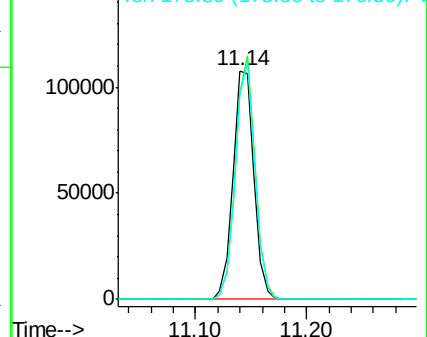
176 97.7 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX001611.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001611.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001611.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

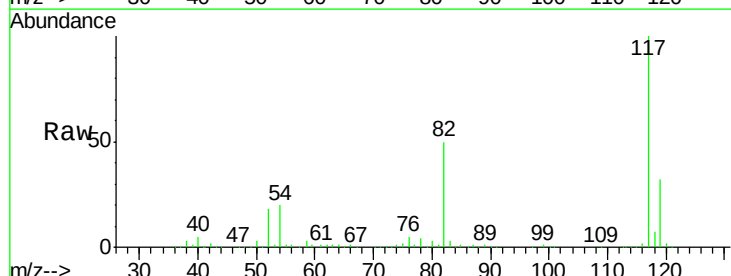
Tgt Ion: 117 Resp: 277956

Ion Ratio Lower Upper

117 100

82 49.9 40.0 60.0

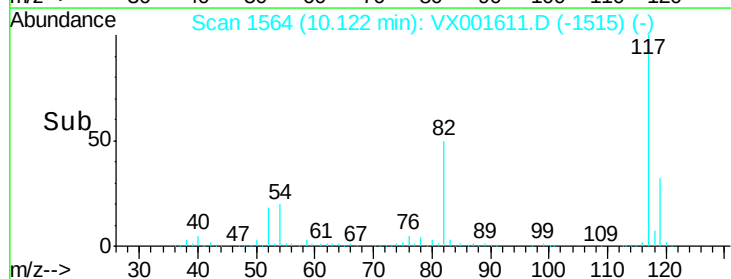
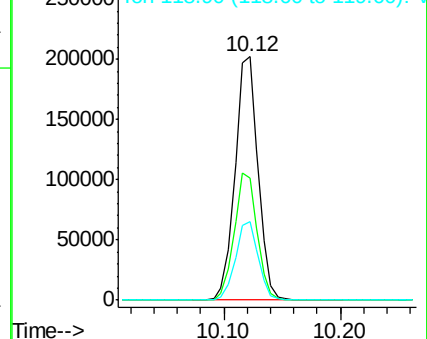
119 32.1 25.8 38.8

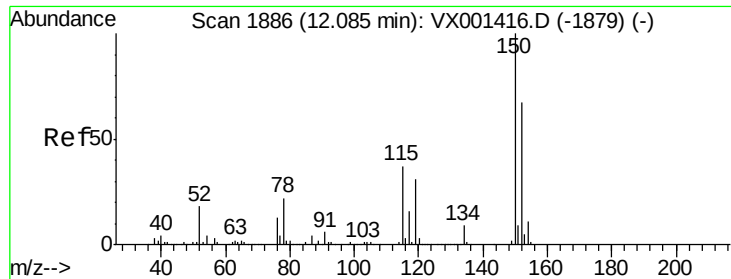


Abundance Ion 116.90 (116.60 to 117.60): VX001611.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001611.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001611.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001611.D

Acq: 10 May 2018 19:28

Instrument :

MSVOA_X

ClientSampled :

W-1

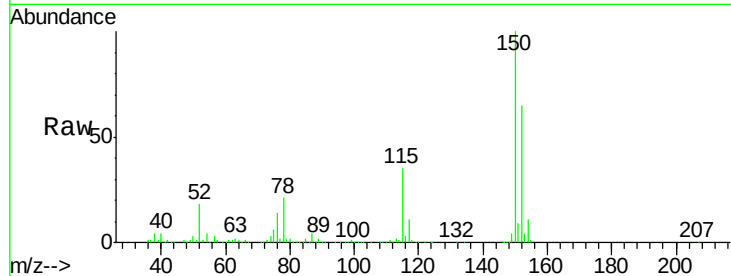
Tgt Ion:152 Resp: 148428

Ion Ratio Lower Upper

152 100

115 53.1 37.7 113.1

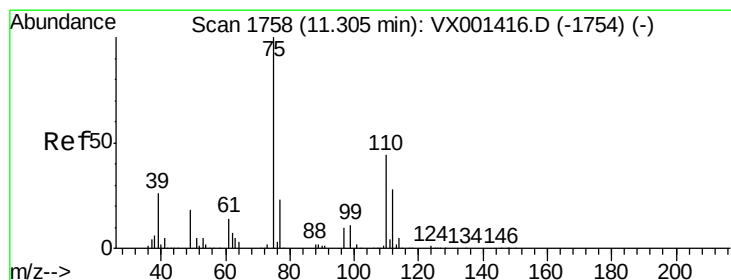
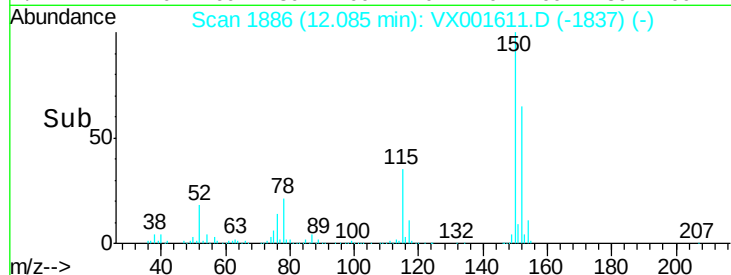
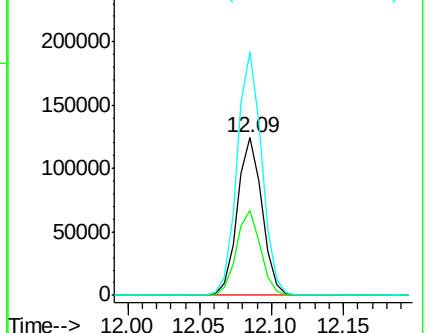
150 155.6 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001611.D

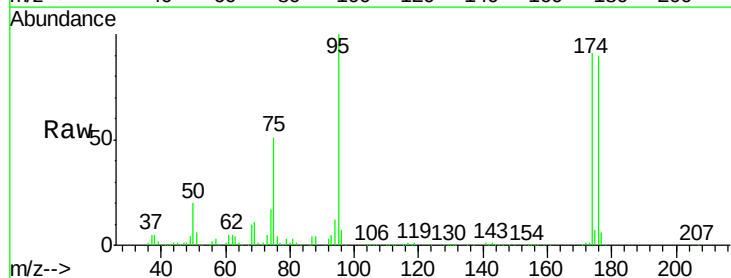
Acq: 10 May 2018 19:28

Tgt Ion: 75 Resp: 69333

Ion Ratio Lower Upper

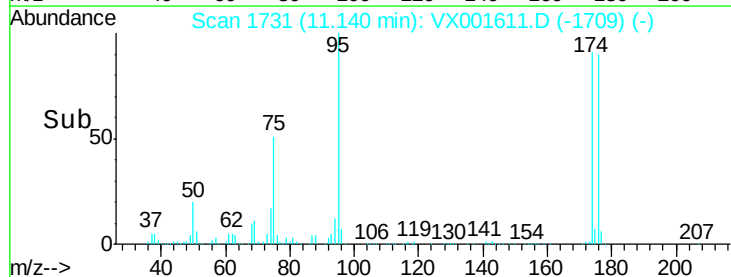
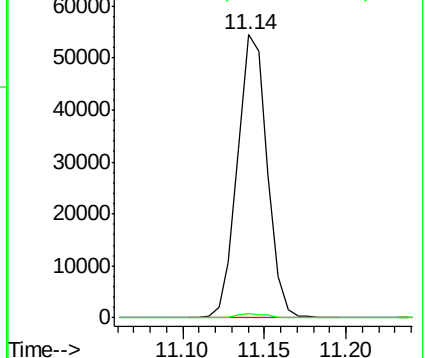
75 100

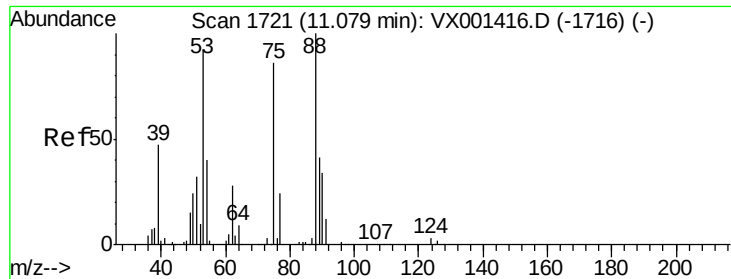
77 1.6 19.6 58.7#



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: 71.42 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001611.D
 Acq: 10 May 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 W-1

Tgt Ion: 75 Resp: 69333
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

