

Data File : VX001743.D

Acq On : 15 May 2018 14:14

Operator : JC/MD

Sample : J2737-03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-180503

Quant Time: May 16 04:08:07 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	156616	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	189549	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	5.51	113	156601	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	8.72	98	531055	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.14	95	171741	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

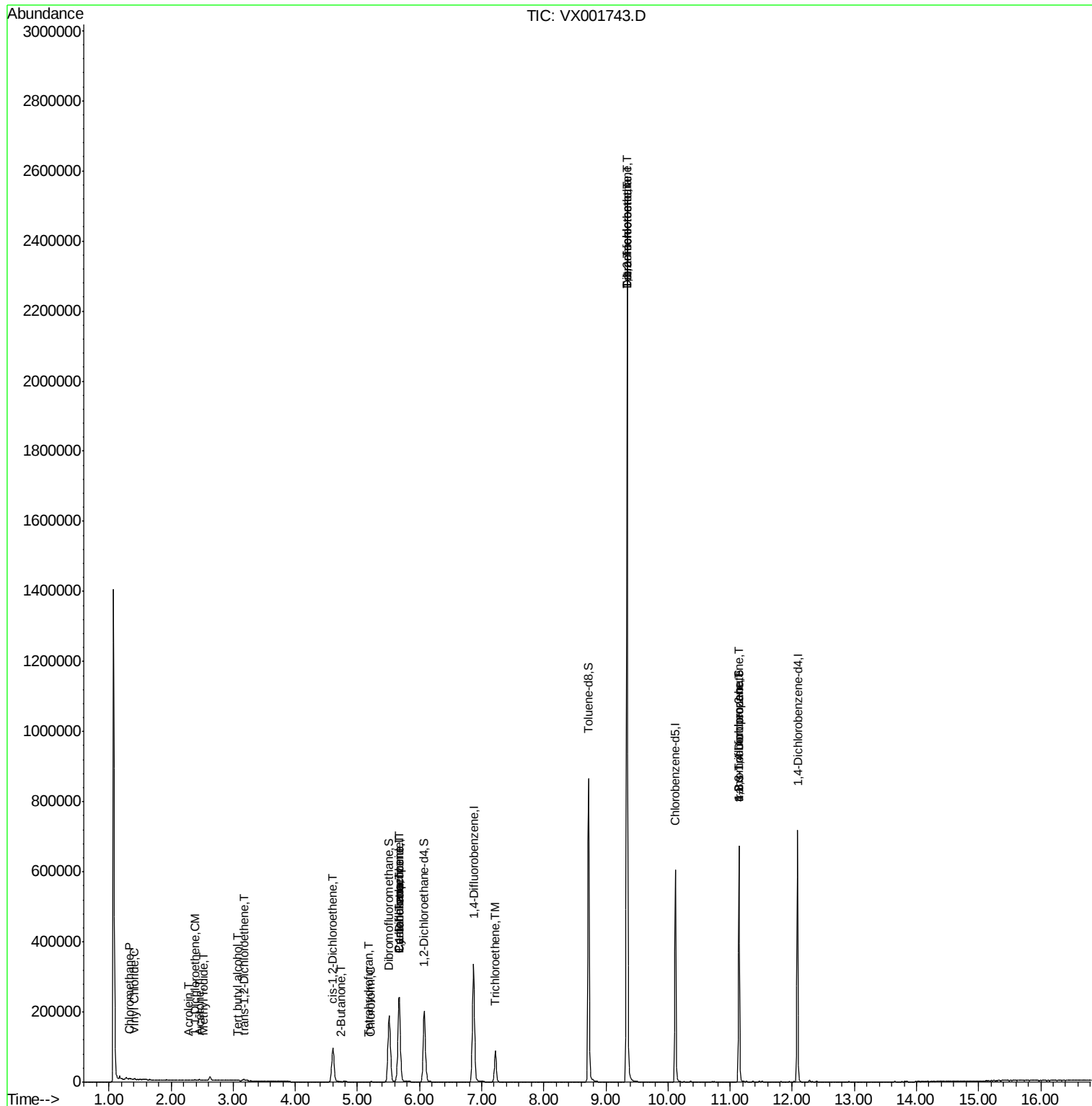
						Qvalue
3) Chloromethane	1.32	50	692	0.24	ug/l	# 87
4) Vinyl Chloride	1.40	62	1137	0.37	ug/l	91
5) Bromomethane	1.65	94	1638	Below	Cal	98
10) Methyl Iodide	2.52	142	1677	0.67	ug/l	# 47
11) Tert butyl alcohol	3.07	59	179	0.28	ug/l	# 55
12) 1,1-Dichloroethene	2.38	96	538	0.21	ug/l	# 62
13) Acrolein	2.28	56	215	0.48	ug/l	# 58
16) Acetone	2.45	43	2095	1.51	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	1676	0.58	ug/l	93
25) 2-Butanone	4.74	43	927	0.44	ug/l	# 51
27) cis-1,2-Dichloroethene	4.60	96	62199	19.01	ug/l	93
29) Tetrahydrofuran	5.18	42	468	0.34	ug/l	# 41
30) Chloroform	5.22	83	1080	0.20	ug/l	# 83
31) Cyclohexane	5.67	56	4462	1.00	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	15418	3.85	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21768	5.19	ug/l	# 16
44) Trichloroethene	7.22	130	36825	10.05	ug/l	98
55) 1,1,2-Trichloroethane	9.34	97	3796	1.31	ug/l	# 6
60) Dibromochloromethane	9.34	129	450243	151.69	ug/l	# 11
64) Tetrachloroethene	9.34	164	543463	140.35	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	81332	27.31	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	81332	79.31	ug/l	# 10

(#)=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: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

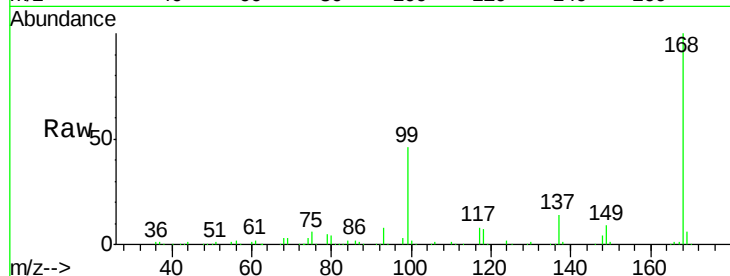
KY062MW139-180503

Tgt Ion:168 Resp: 264034

Ion Ratio Lower Upper

168 100

99 45.5 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

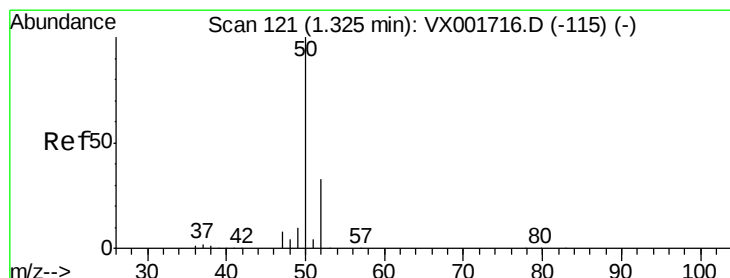
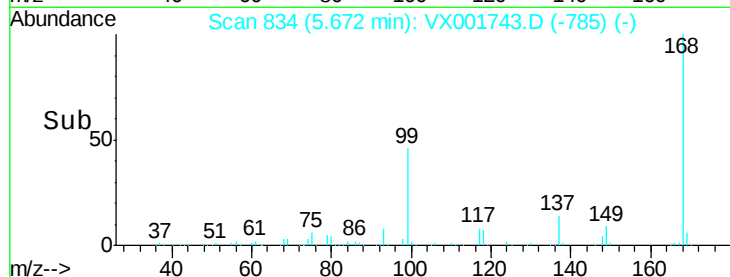
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001743.D

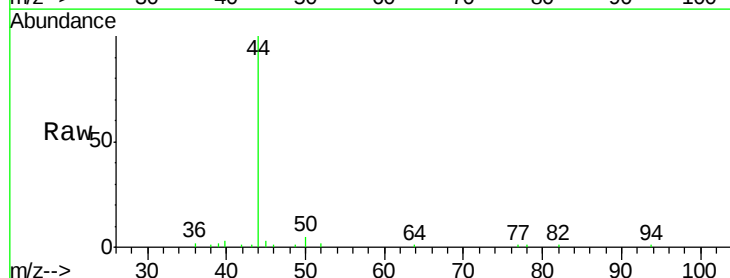
Acq: 15 May 2018 14:14

Tgt Ion: 50 Resp: 692

Ion Ratio Lower Upper

50 100

52 40.3 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

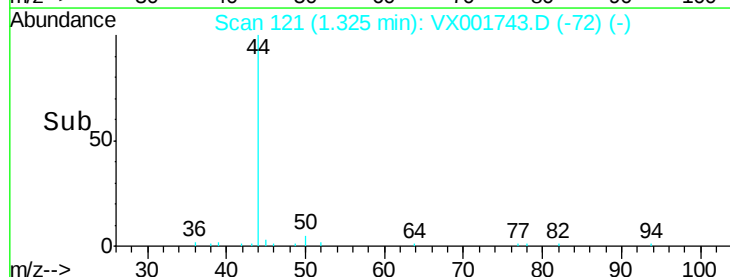
200

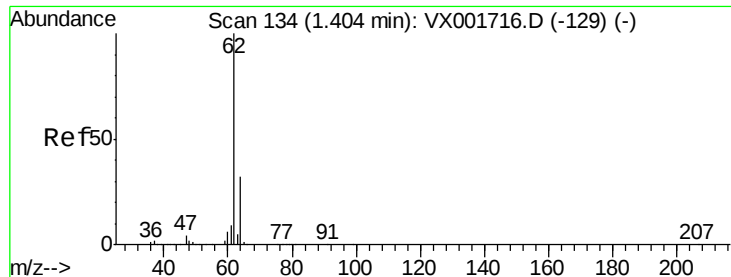
100

0

1.30 1.35 1.40

Time-->





#4

Vinyl Chloride

Concen: 0.37 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

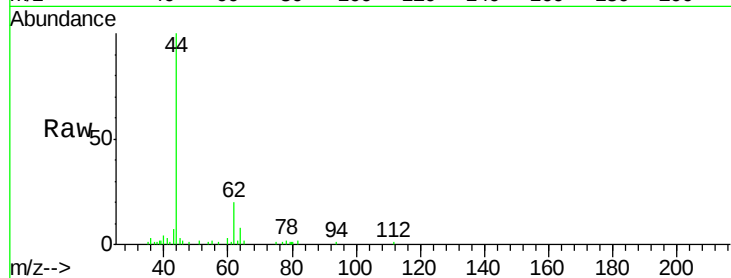
KY062MW139-180503

Tgt Ion: 62 Resp: 1137

Ion Ratio Lower Upper

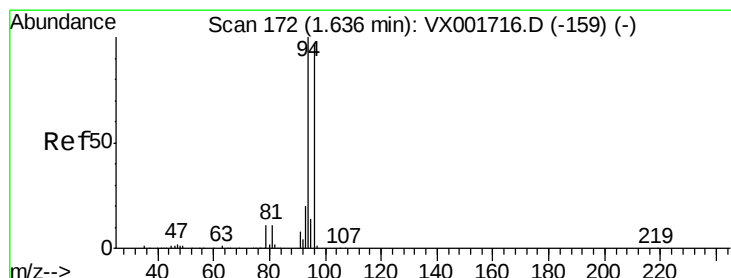
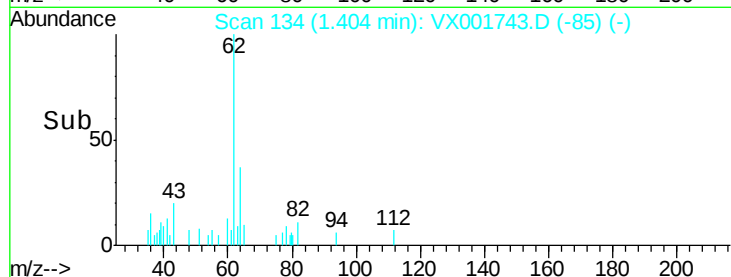
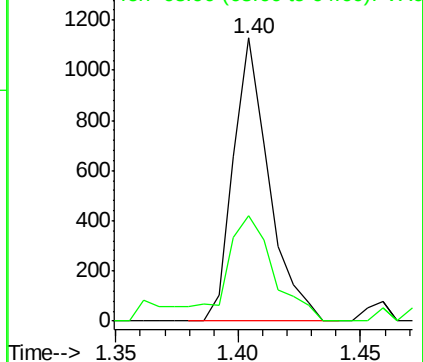
62 100

64 37.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001743.D

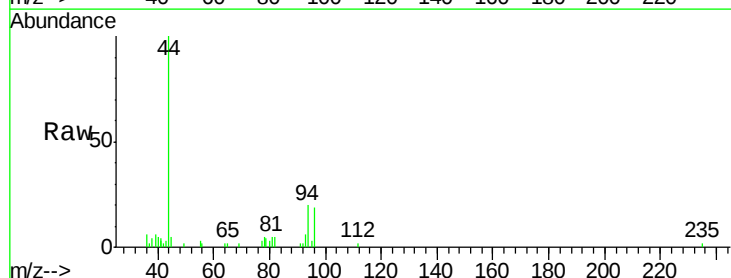
Acq: 15 May 2018 14:14

Tgt Ion: 94 Resp: 1638

Ion Ratio Lower Upper

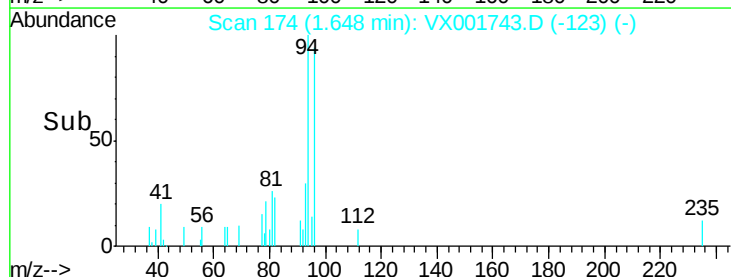
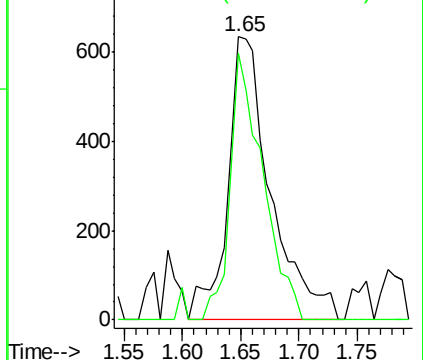
94 100

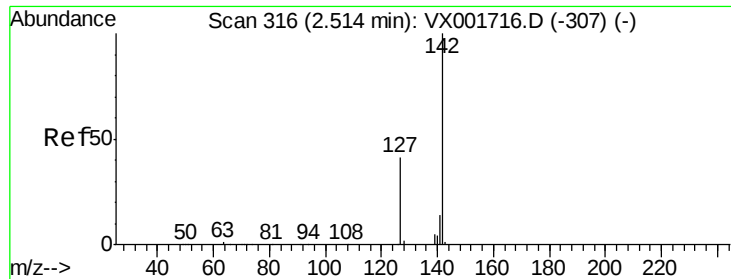
96 94.5 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

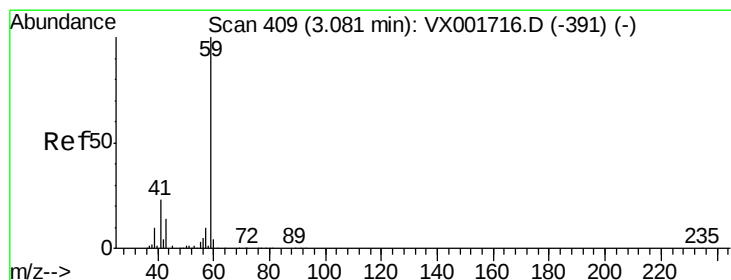
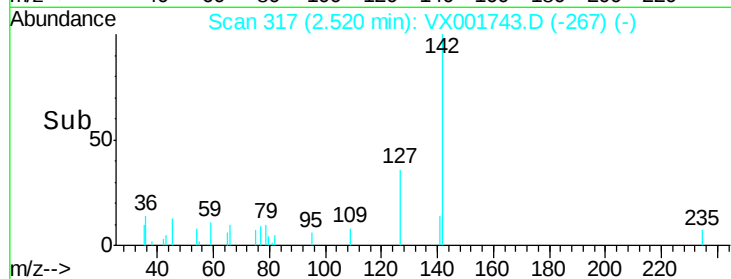
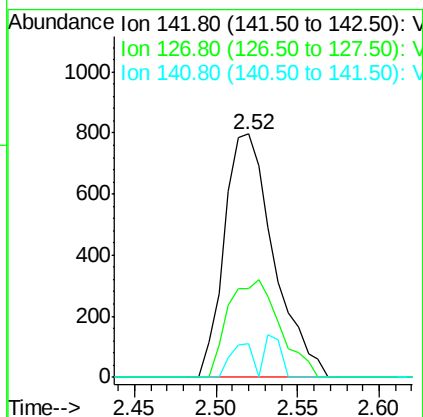
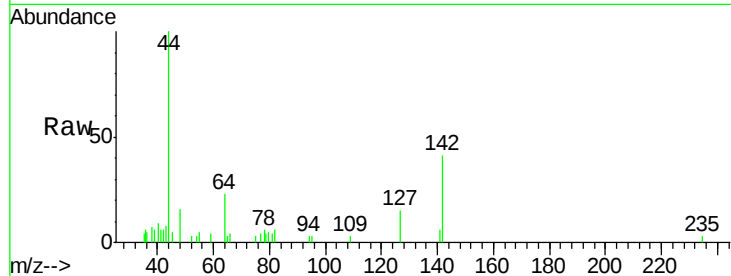




#10
Methyl Iodide
Concen: 0.67 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001743.D
Acq: 15 May 2018 14:14

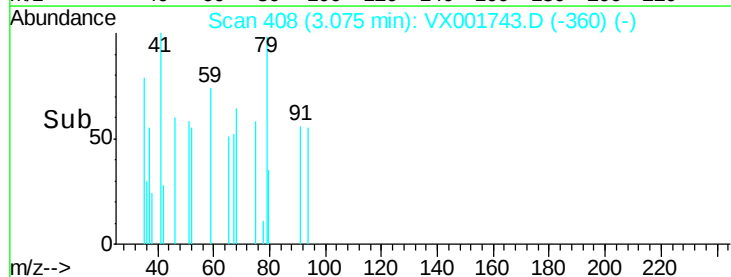
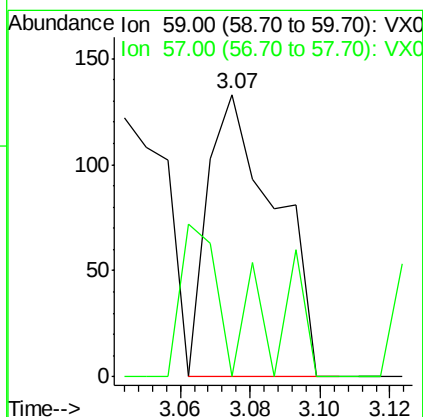
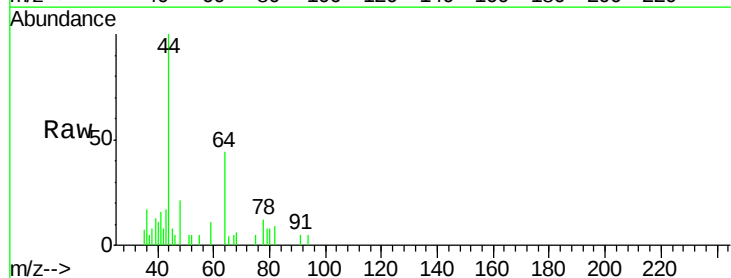
Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-180503

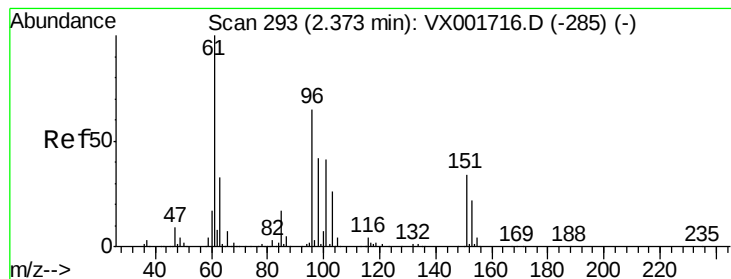
Tgt Ion: 142 Resp: 1677
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 6.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001743.D
Acq: 15 May 2018 14:14

Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 27.4 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 0.21 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-180503

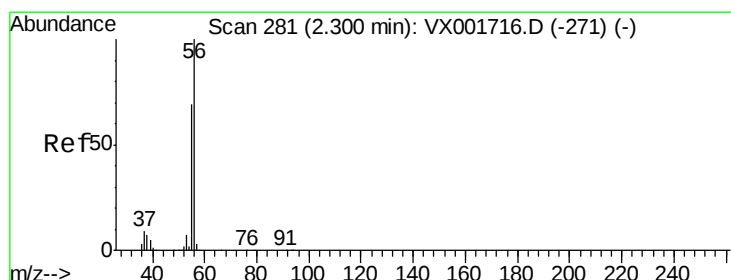
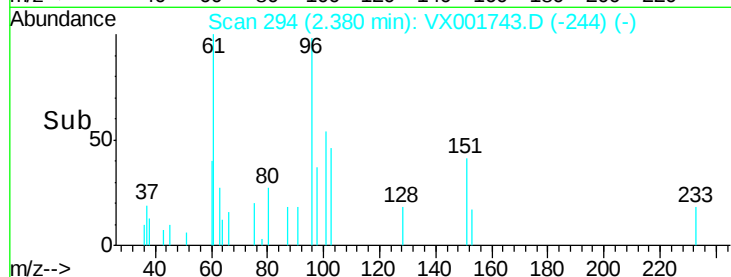
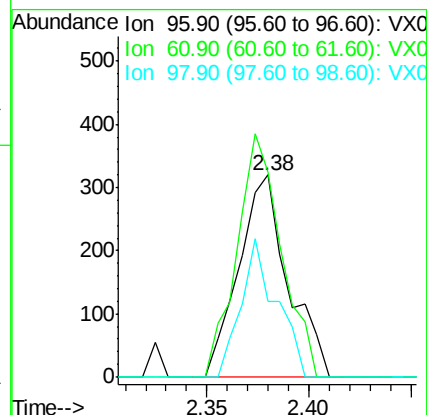
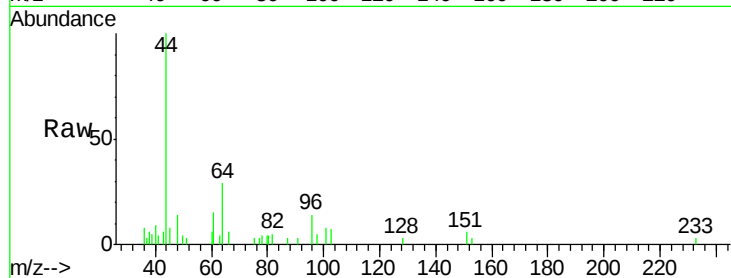
Tgt Ion: 96 Resp: 538

Ion Ratio Lower Upper

96 100

61 101.6 122.2 183.2#

98 37.2 51.4 77.0#



#13

Acrolein

Concen: 0.48 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX001743.D

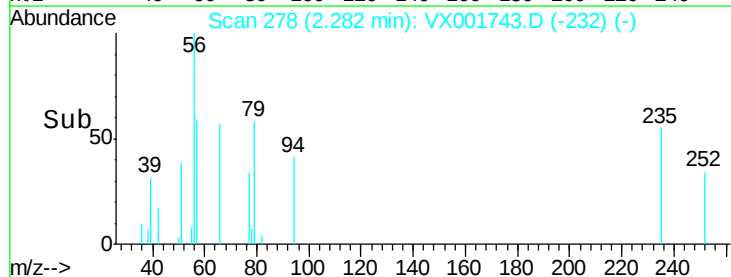
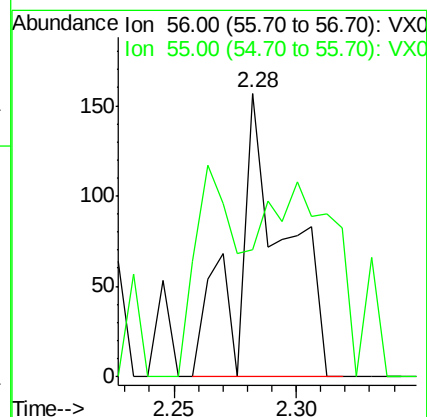
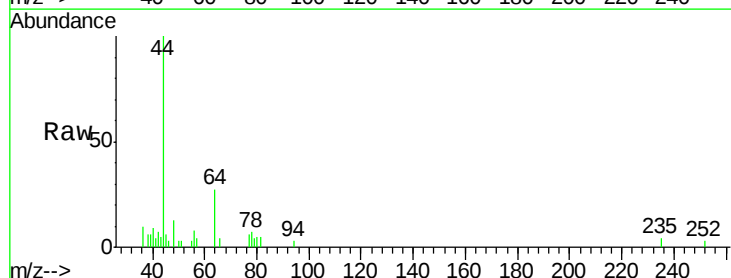
Acq: 15 May 2018 14:14

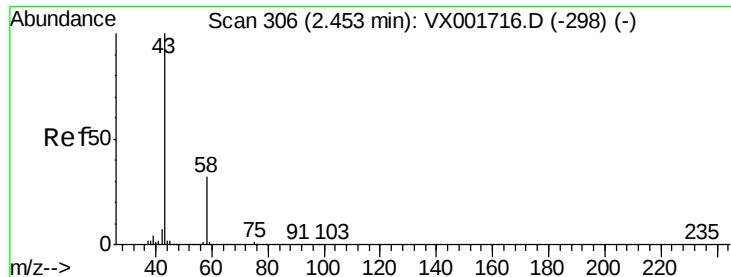
Tgt Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 105.1 56.2 84.2#





#16

Acetone

Concen: 1.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

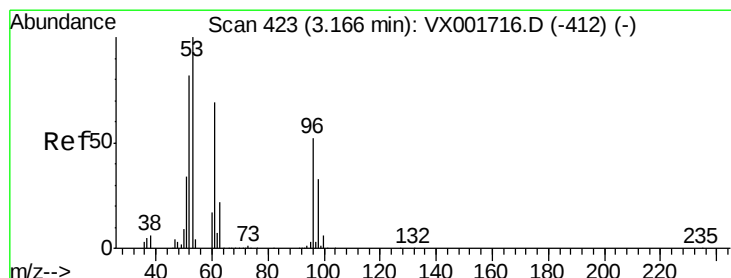
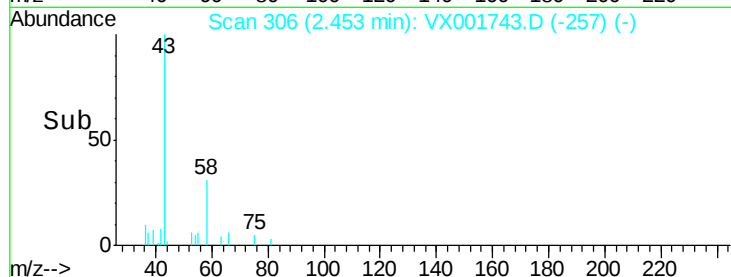
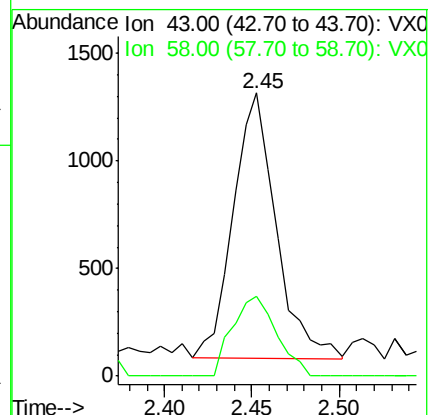
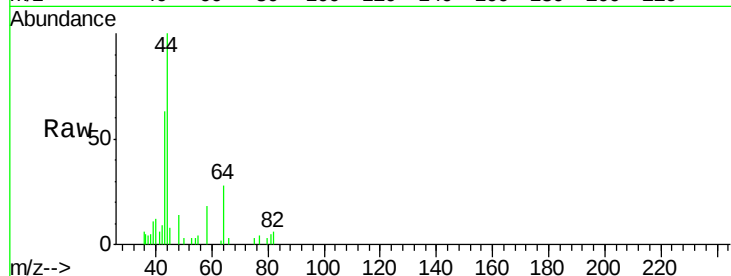
KY062MW139-180503

Tgt Ion: 43 Resp: 2095

Ion Ratio Lower Upper

43 100

58 30.3 25.3 37.9



#21

trans-1,2-Dichloroethene

Concen: 0.58 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

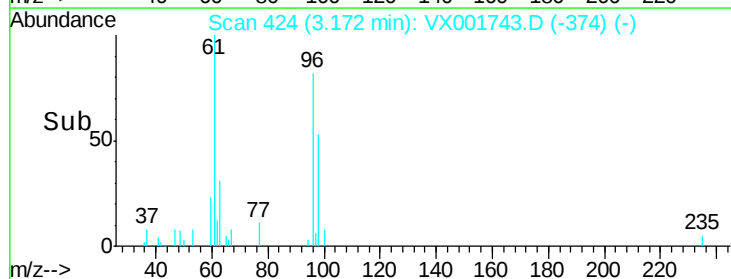
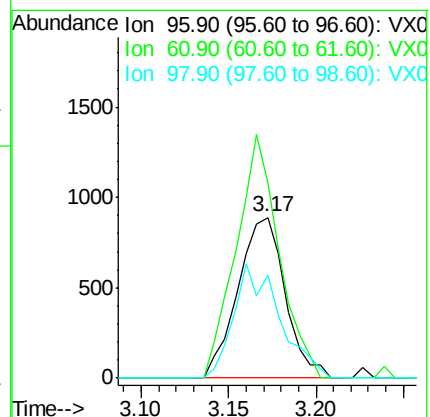
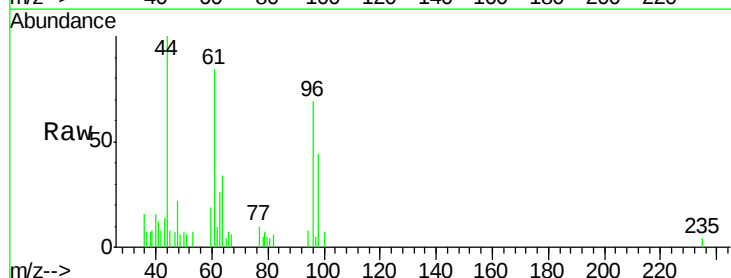
Tgt Ion: 96 Resp: 1676

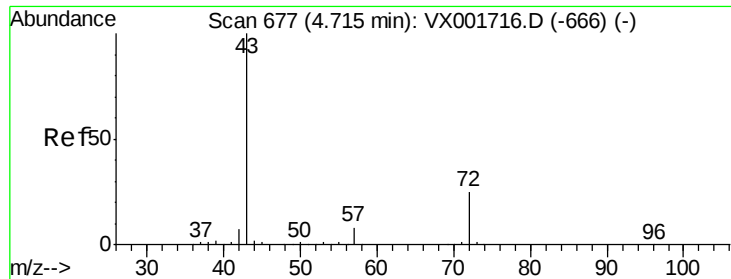
Ion Ratio Lower Upper

96 100

61 121.6 105.8 158.8

98 63.9 50.2 75.4





#25

2-Butanone

Concen: 0.44 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

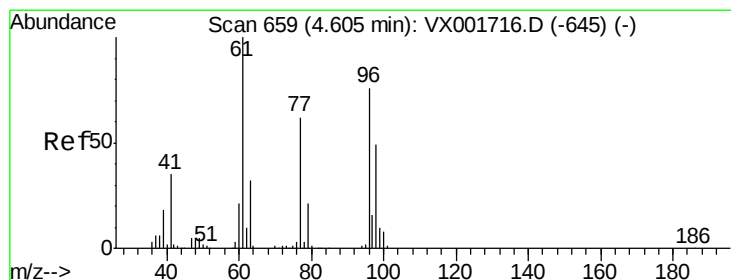
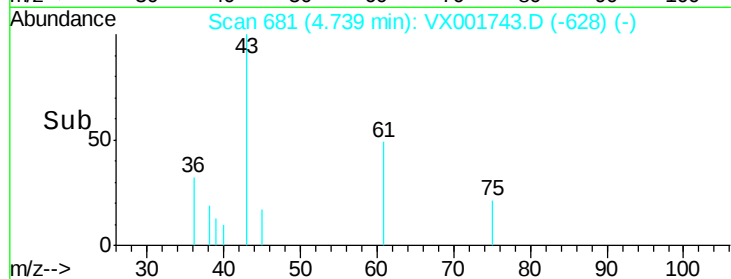
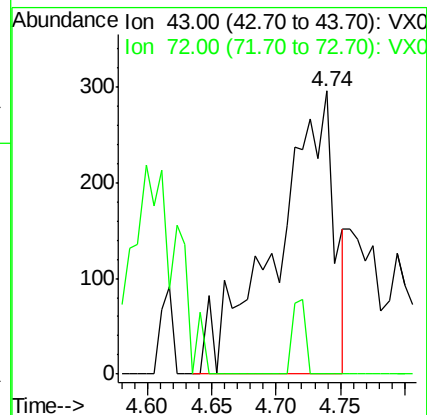
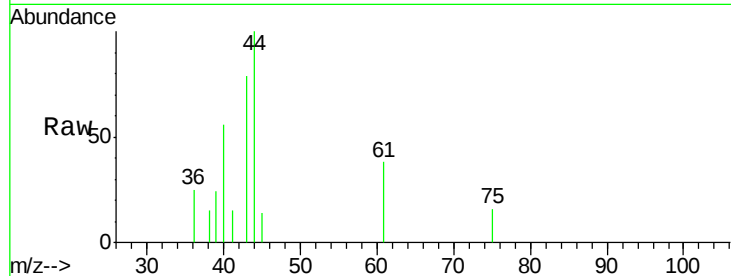
KY062MW139-180503

Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#27

cis-1,2-Dichloroethene

Concen: 19.01 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

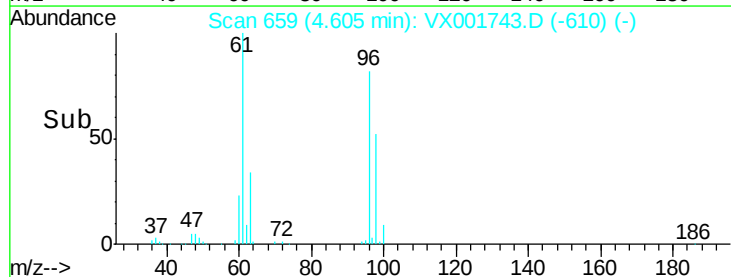
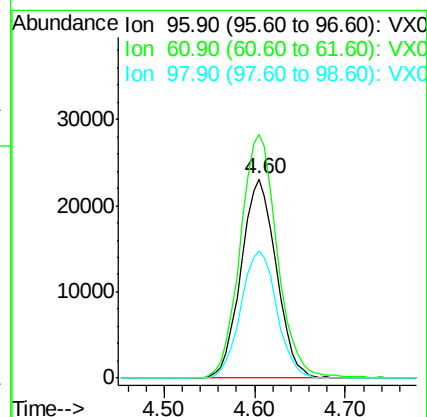
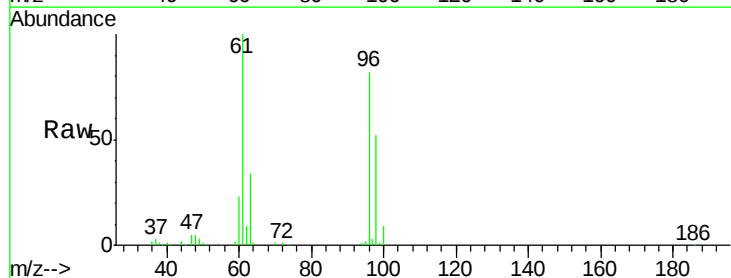
Tgt Ion: 96 Resp: 62199

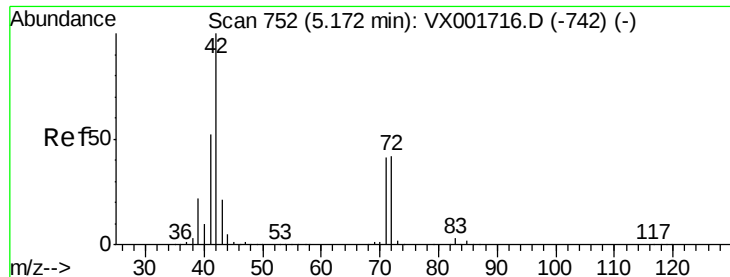
Ion Ratio Lower Upper

96 100

61 128.3 0.0 280.4

98 65.4 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-180503

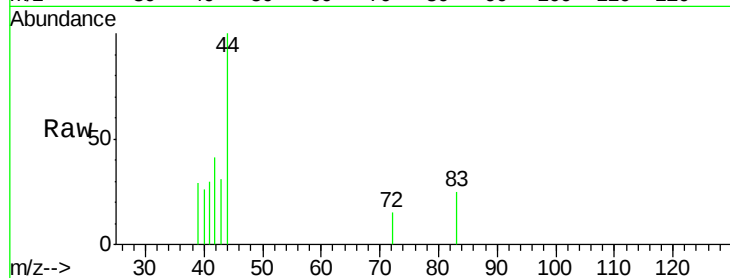
Tgt Ion: 42 Resp: 468

Ion Ratio Lower Upper

42 100

72 9.8 35.4 53.2#

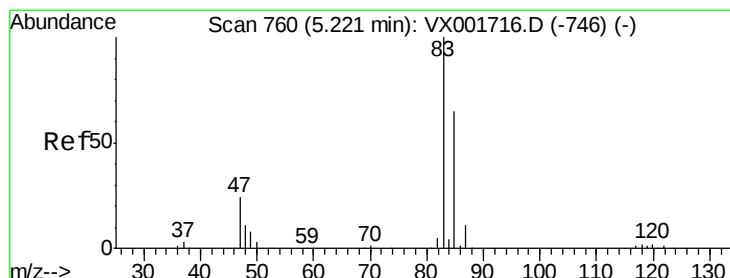
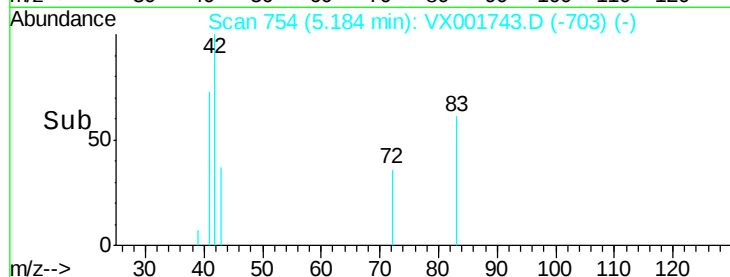
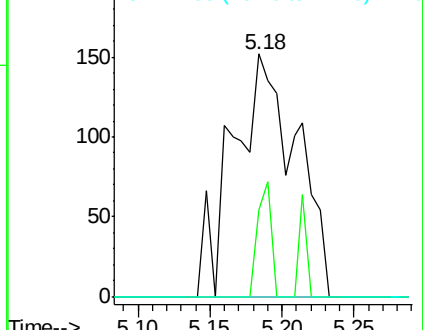
71 0.0 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.20 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001743.D

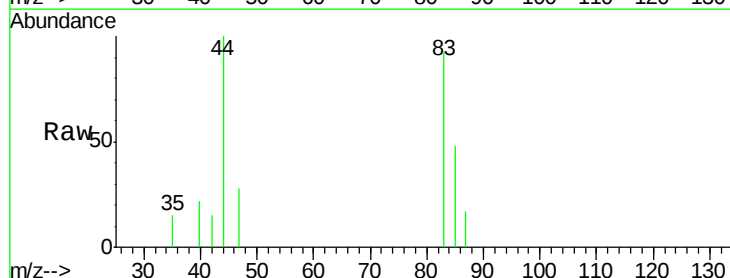
Acq: 15 May 2018 14:14

Tgt Ion: 83 Resp: 1080

Ion Ratio Lower Upper

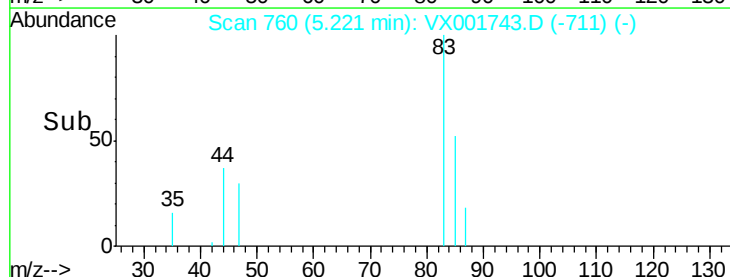
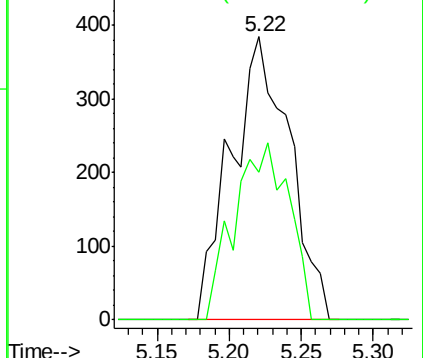
83 100

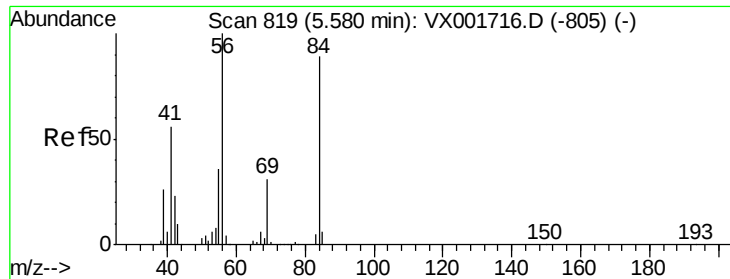
85 52.1 52.3 78.5#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

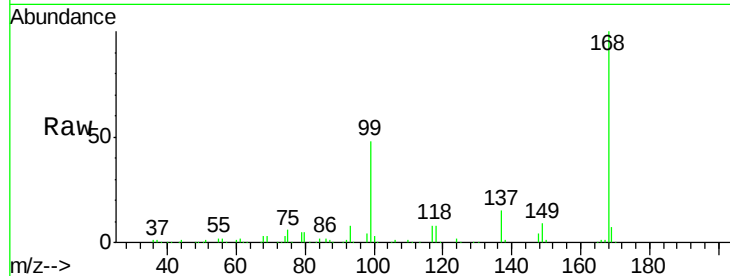




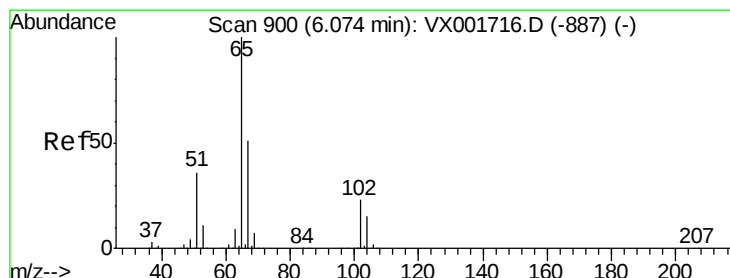
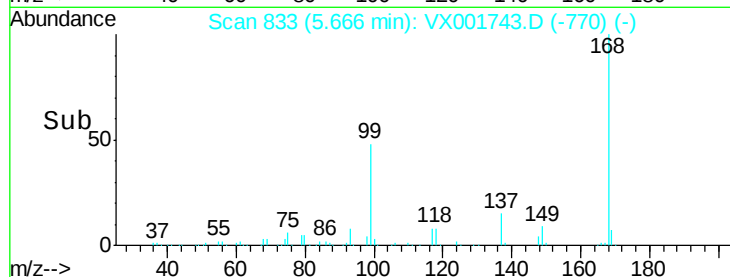
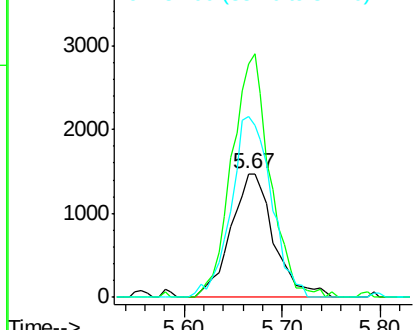
#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001743.D
Acq: 15 May 2018 14:14

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-180503

Tgt Ion: 56 Resp: 4462
Ion Ratio Lower Upper
56 100
69 188.9 25.0 37.6#
84 146.6 71.0 106.4#

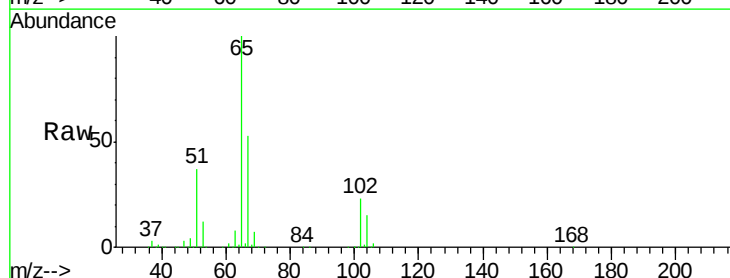


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

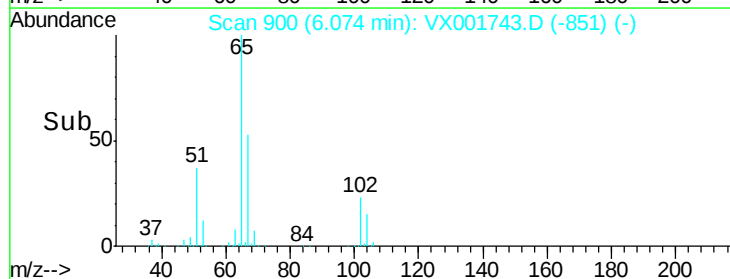
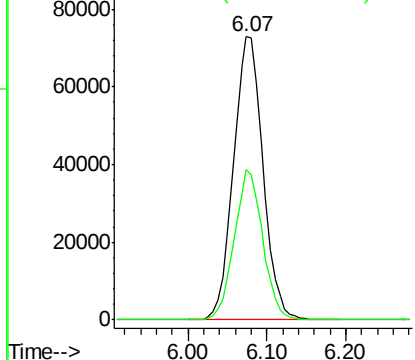


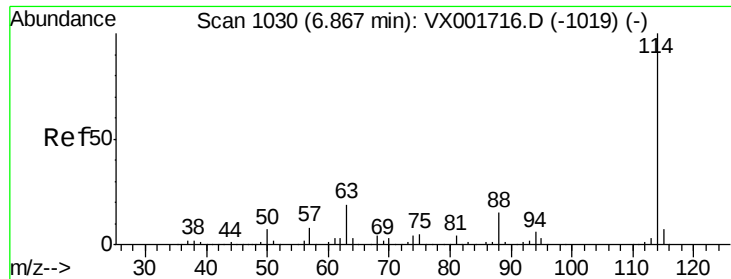
#33
1,2-Dichloroethane-d4
Concen: 53.56 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001743.D
Acq: 15 May 2018 14:14

Tgt Ion: 65 Resp: 189549
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-180503

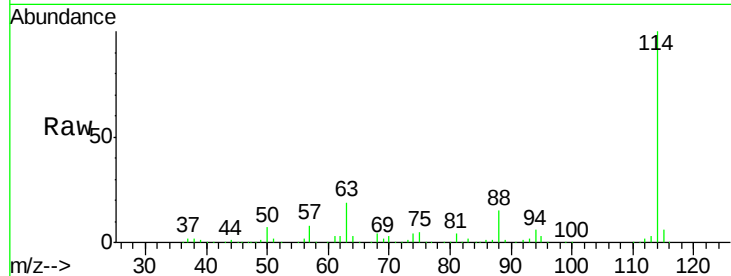
Tgt Ion:114 Resp: 347940

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

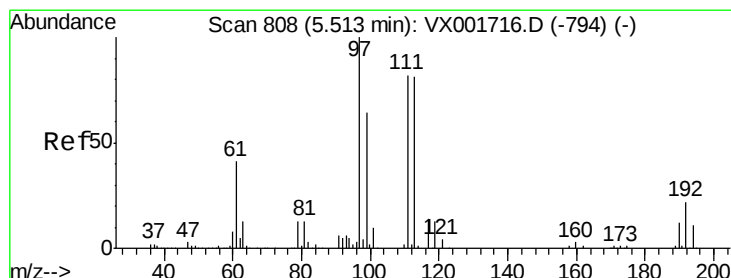
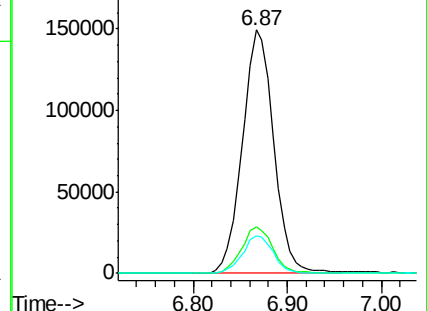
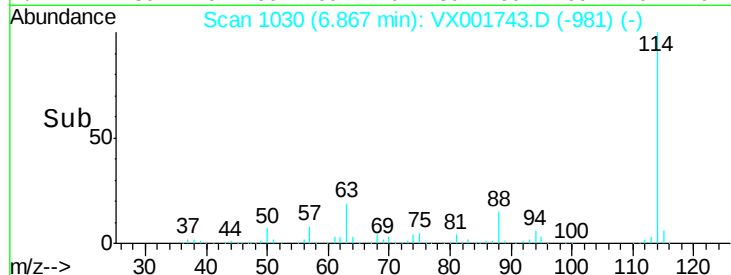
88 15.4 0.0 29.8



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: 53.33 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

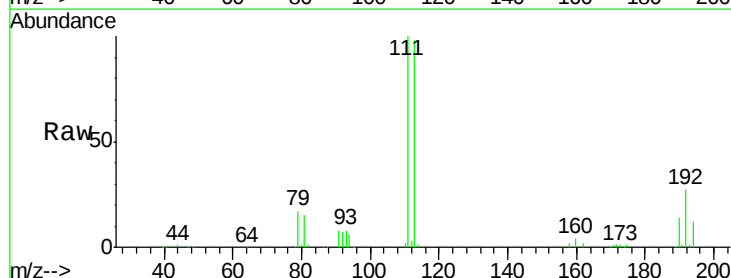
Tgt Ion:113 Resp: 156601

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

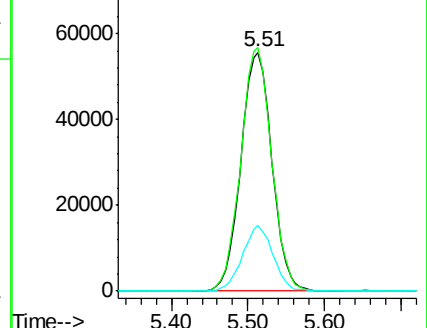
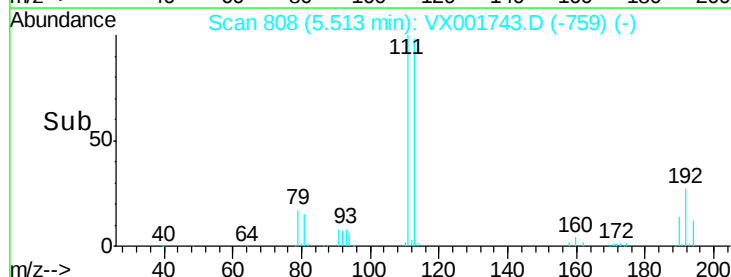
192 27.0 21.6 32.4

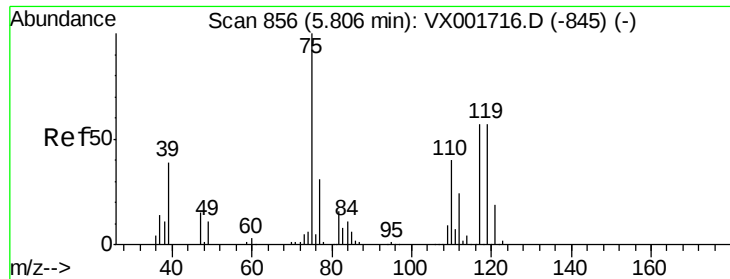


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

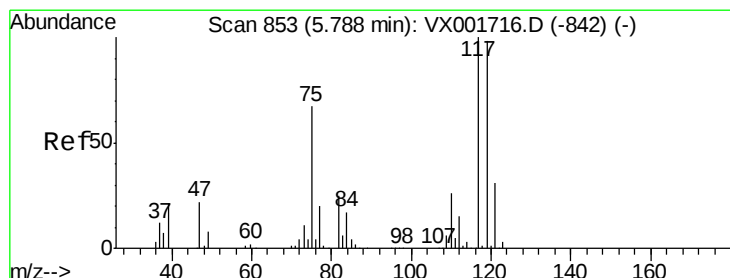
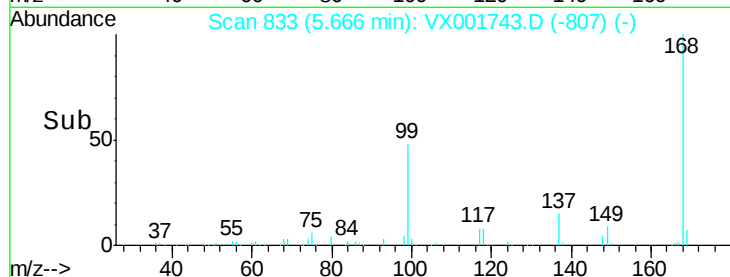
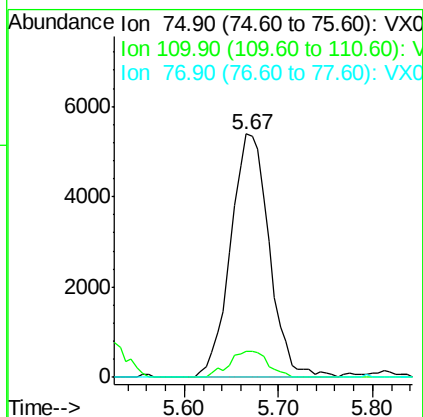
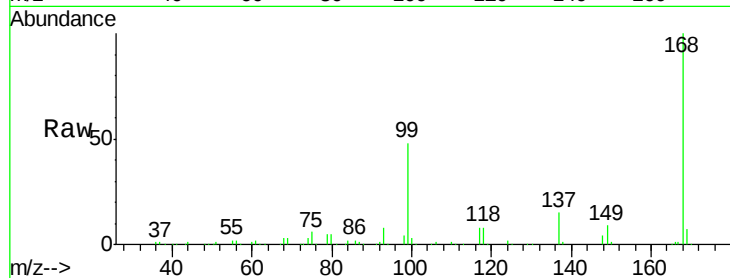




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001743.D
 Acq: 15 May 2018 14:14

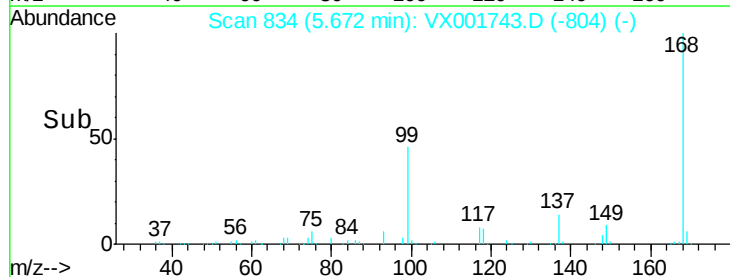
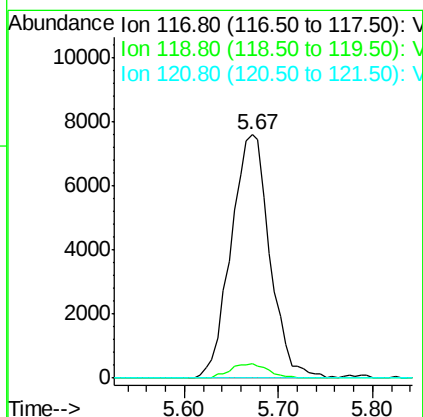
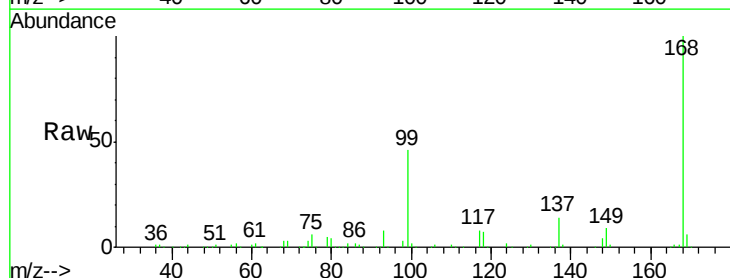
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-180503

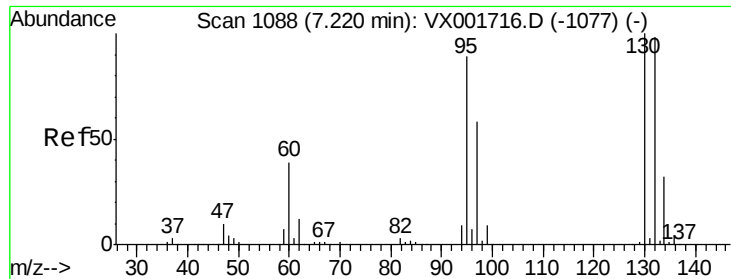
Tgt Ion: 75 Resp: 15418
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.1 57.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.19 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001743.D
 Acq: 15 May 2018 14:14

Tgt Ion: 117 Resp: 21768
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.6 116.4#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 10.05 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

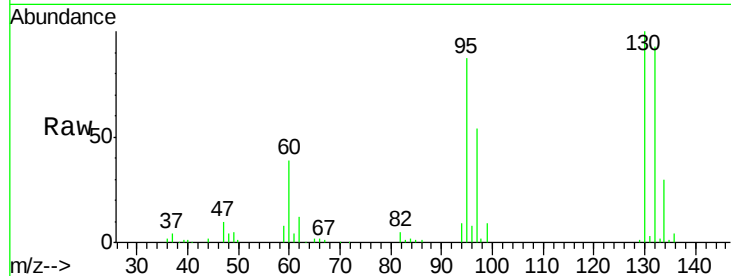
KY062MW139-180503

Tgt Ion:130 Resp: 36825

Ion Ratio Lower Upper

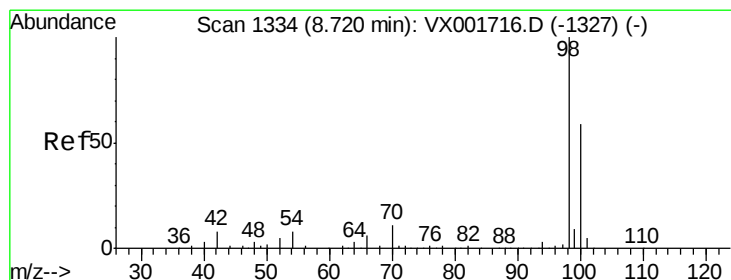
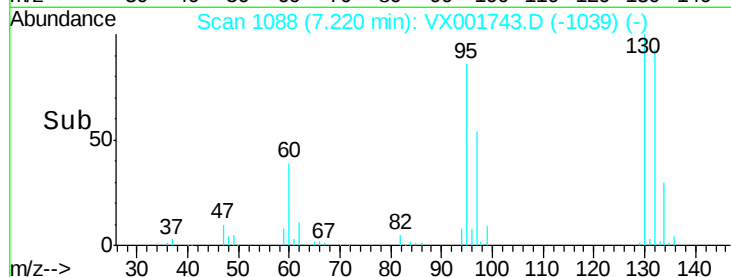
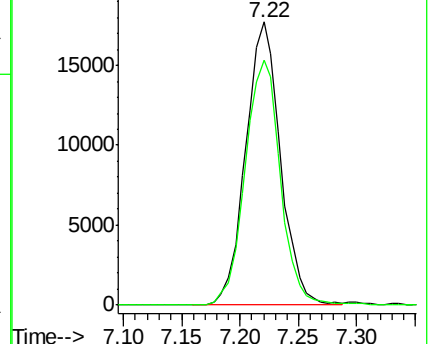
130 100

95 86.5 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.50 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001743.D

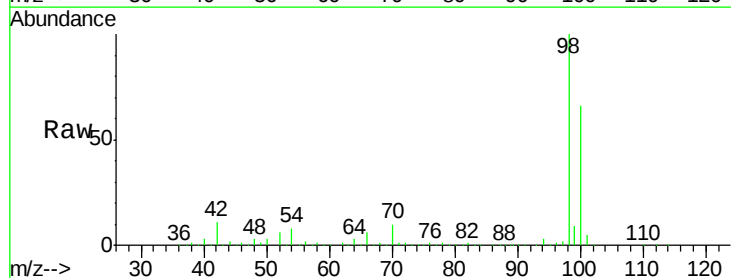
Acq: 15 May 2018 14:14

Tgt Ion: 98 Resp: 531055

Ion Ratio Lower Upper

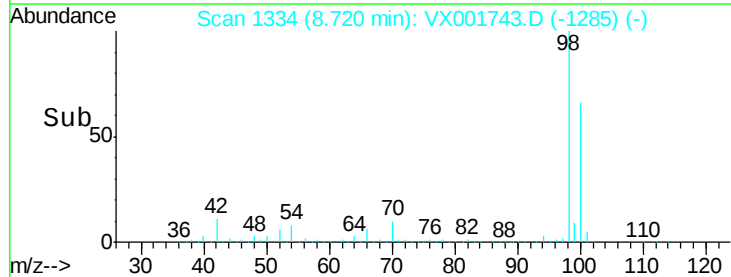
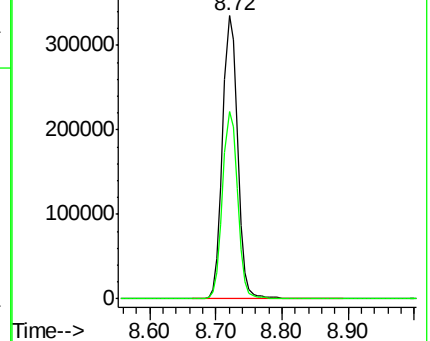
98 100

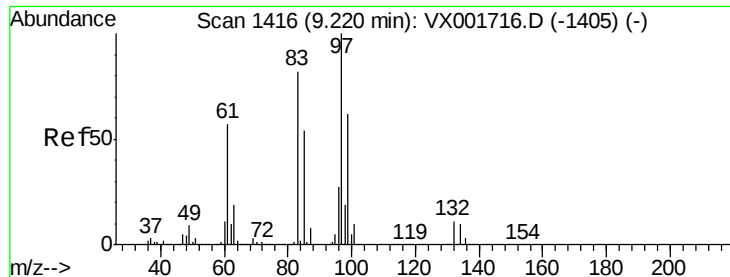
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

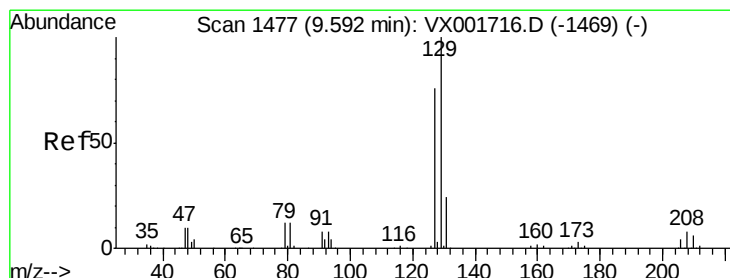
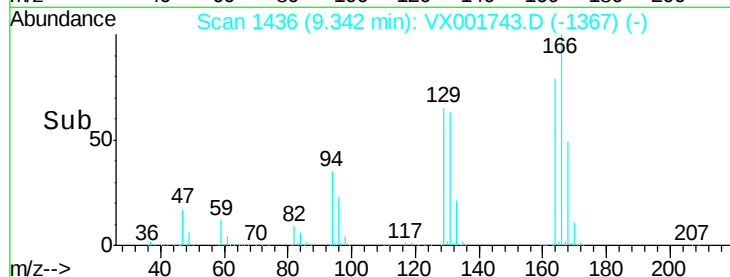
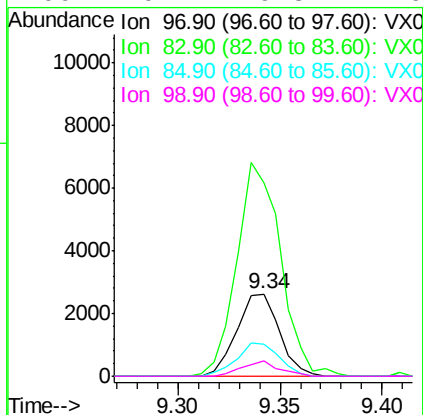
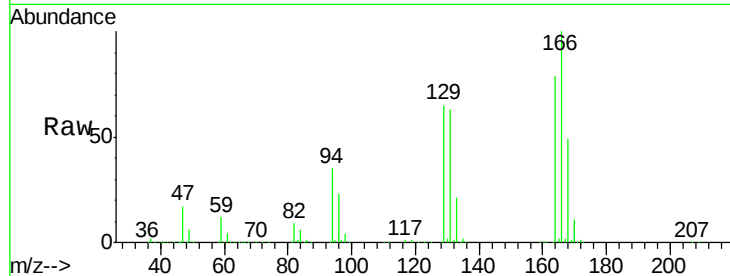




#55
 1,1,2-Trichloroethane
 Concen: 1.31 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: VX001743.D
 Acq: 15 May 2018 14:14

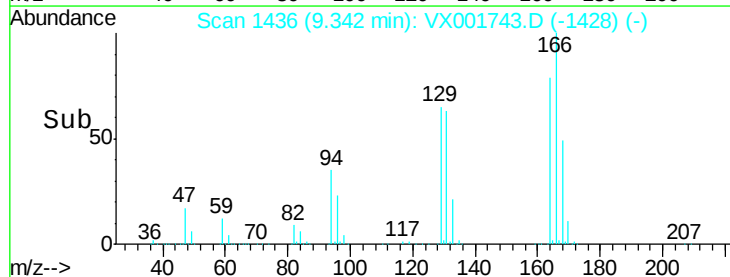
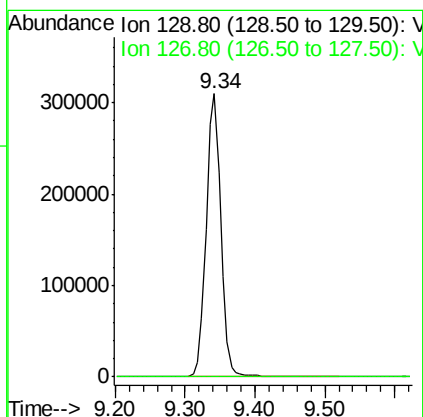
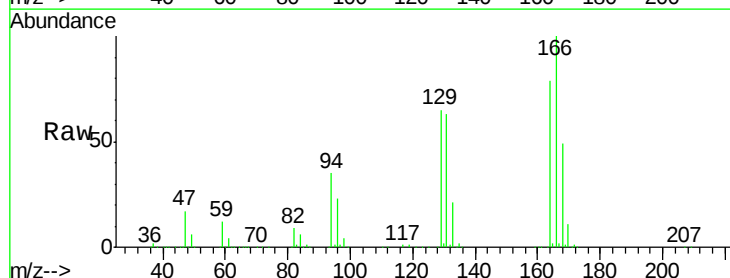
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-180503

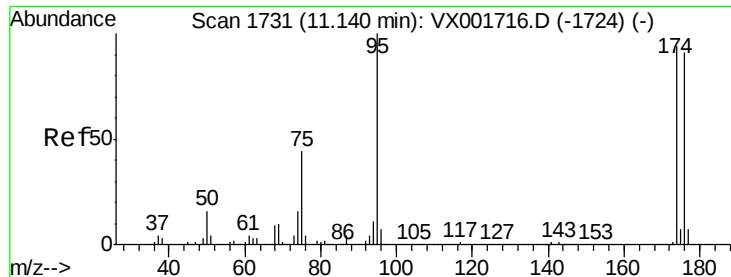
Tgt Ion: 97 Resp: 3796
 Ion Ratio Lower Upper
 97 100
 83 234.8 65.8 98.8#
 85 38.4 43.4 65.0#
 99 19.1 49.8 74.6#



#60
 Dibromochloromethane
 Concen: 151.69 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001743.D
 Acq: 15 May 2018 14:14

Tgt Ion: 129 Resp: 450243
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

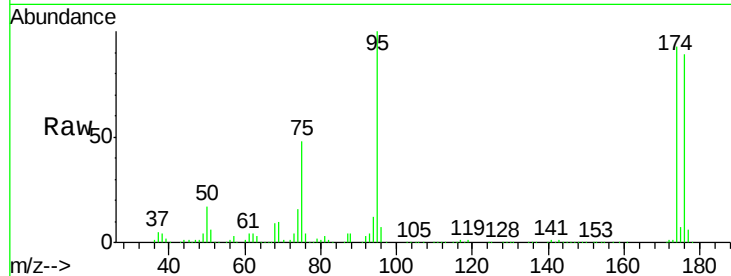




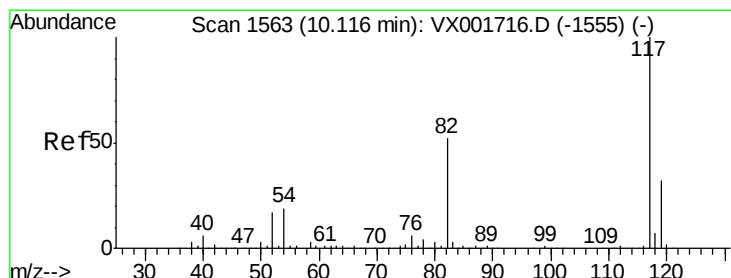
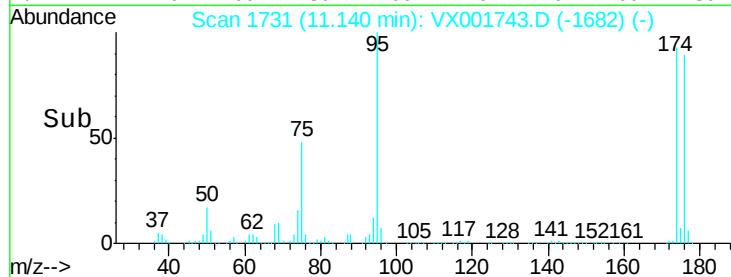
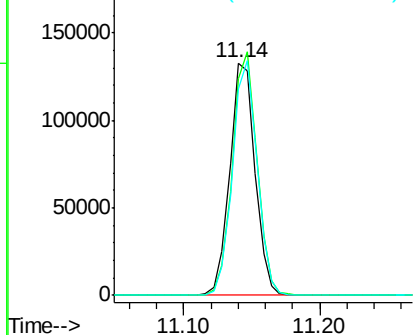
#62
4-Bromofluorobenzene
Concen: 45.36 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001743.D
Acq: 15 May 2018 14:14

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-180503

Tgt Ion: 95 Resp: 171741
Ion Ratio Lower Upper
95 100
174 102.3 0.0 201.8
176 98.5 0.0 196.8

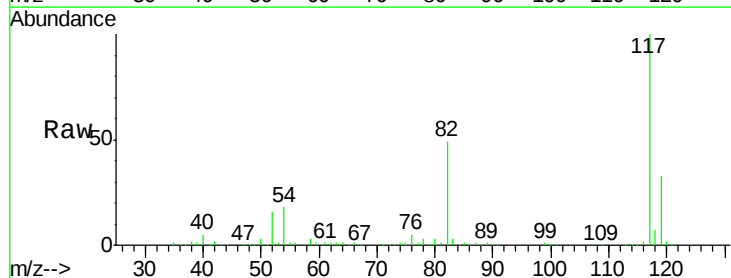


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

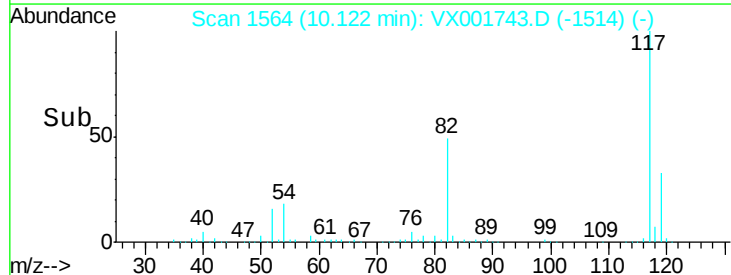
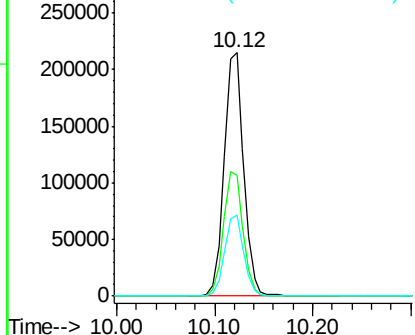


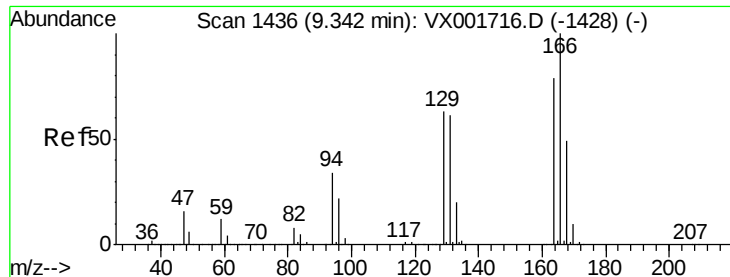
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001743.D
Acq: 15 May 2018 14:14

Tgt Ion: 117 Resp: 297450
Ion Ratio Lower Upper
117 100
82 49.4 41.4 62.2
119 33.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 140.35 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-180503

Tgt Ion:164 Resp: 543463

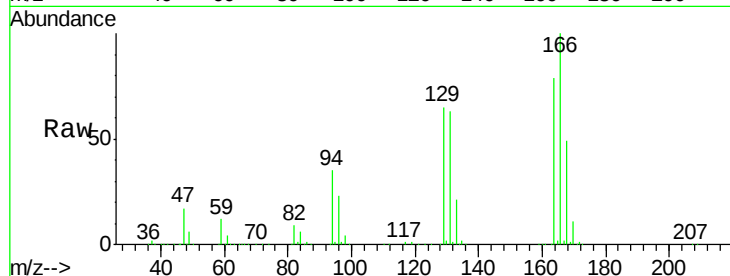
Ion Ratio Lower Upper

164 100

166 126.9 101.8 152.8

129 82.0 63.8 95.6

131 79.5 62.2 93.2

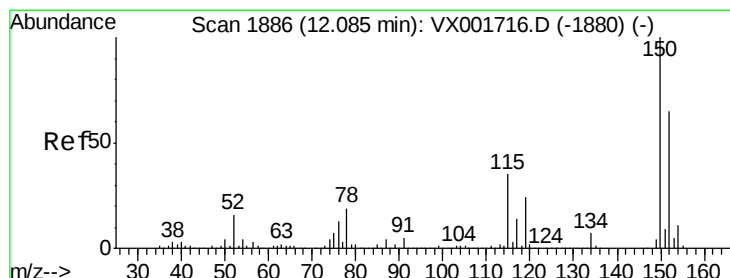
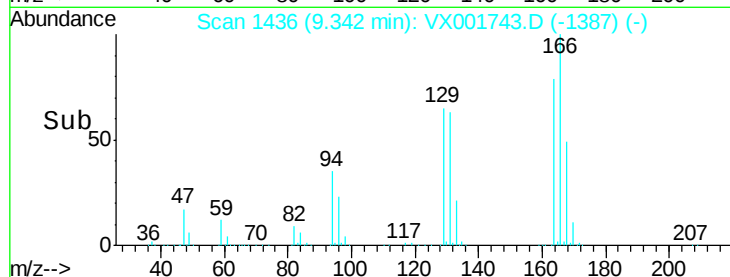
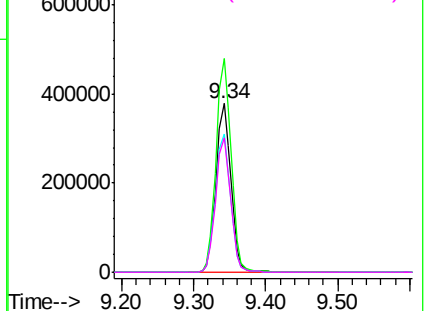


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX001743.D

Acq: 15 May 2018 14:14

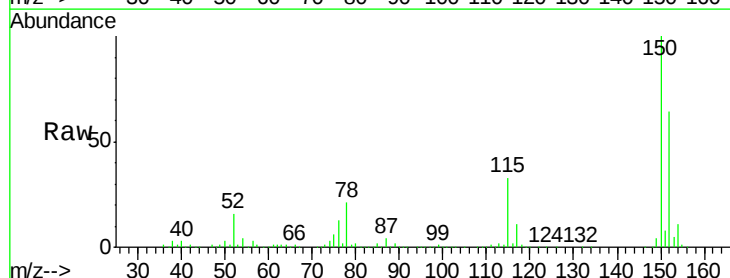
Tgt Ion:152 Resp: 156616

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

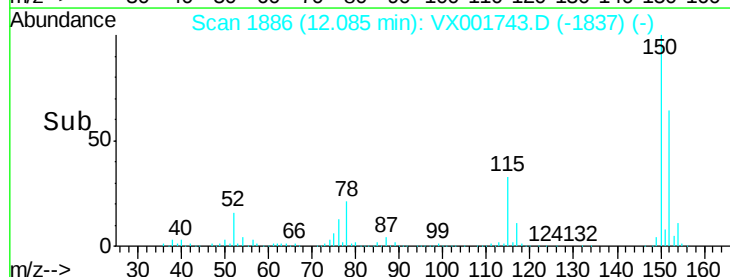
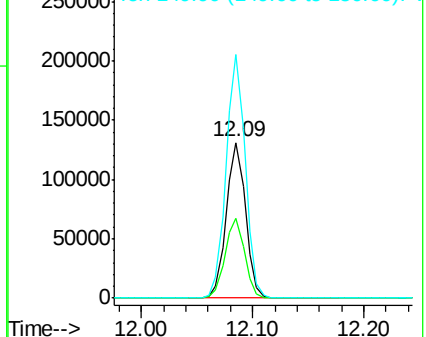
150 156.3 0.0 344.8

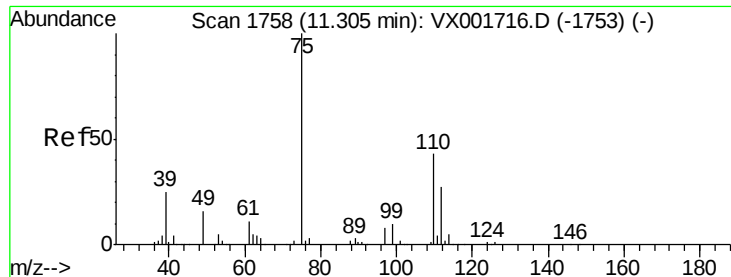


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

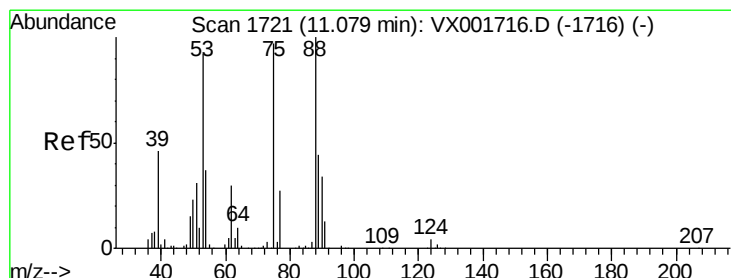
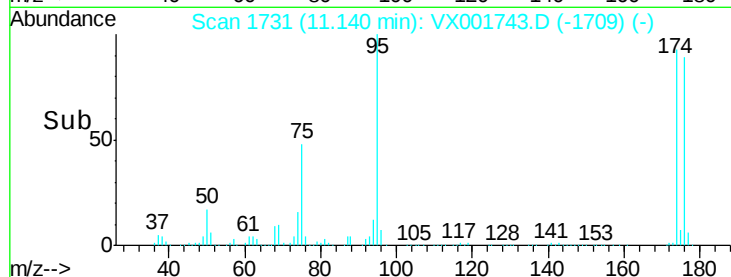
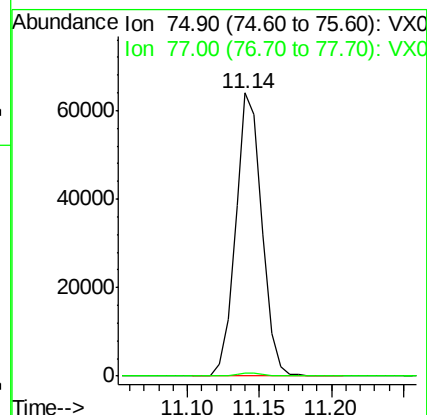
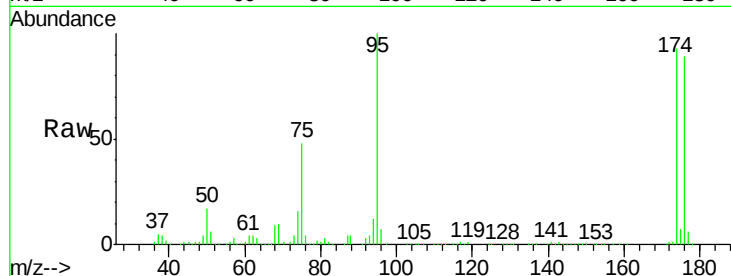
KY062MW139-180503

Tgt Ion: 75 Resp: 81332

Ion Ratio Lower Upper

75 100

77 1.2 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001743.D

Acq: 15 May 2018 14:14

Tgt Ion: 75 Resp: 81332

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

