

Data File : VX001738.D

Acq On : 15 May 2018 12:00

Operator : JC/MD

Sample : J2737-07DL 10X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-180503DL

Quant Time: May 16 04:03:25 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	275618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193602	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	5.51	113	160940	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	8.72	98	570610	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.15	95	173807	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	

Target Compounds

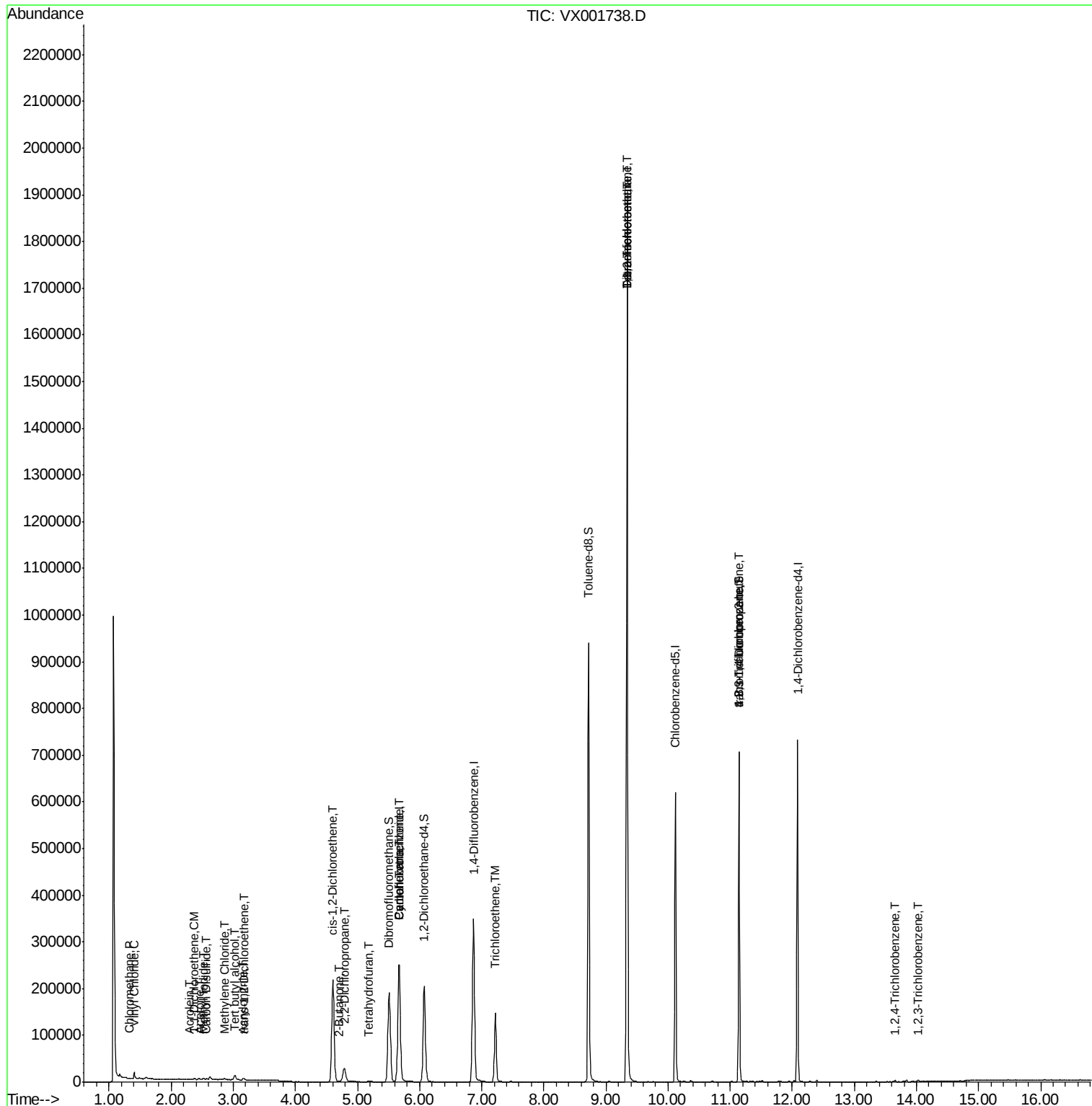
						Qvalue
3) Chloromethane	1.32	50	772	0.26	ug/l	# 62
4) Vinyl Chloride	1.40	62	9563	2.96	ug/l	98
5) Bromomethane	1.66	94	1441	Below	Cal	92
10) Methyl Iodide	2.52	142	2144	0.82	ug/l	97
11) Tert butyl alcohol	3.03	59	5664	8.64	ug/l	# 75
12) 1,1-Dichloroethene	2.37	96	576	0.21	ug/l	86
13) Acrolein	2.31	56	309	0.66	ug/l	# 31
15) Acrylonitrile	3.15	53	721	0.44	ug/l	# 84
16) Acetone	2.45	43	2922	2.01	ug/l	90
17) Carbon Disulfide	2.57	76	2100	0.30	ug/l	98
20) Methylene Chloride	2.85	84	1282	0.41	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	1155	0.38	ug/l	91
25) 2-Butanone	4.71	43	515	0.23	ug/l	# 51
26) 2,2-Dichloropropane	4.78	77	2555	0.60	ug/l	# 52
27) cis-1,2-Dichloroethene	4.60	96	143438	42.00	ug/l	91
29) Tetrahydrofuran	5.17	42	838	0.58	ug/l	# 60
31) Cyclohexane	5.67	56	5064	1.09	ug/l	# 21
38) Carbon Tetrachloride	5.67	117	23021	5.18	ug/l	# 16
44) Trichloroethene	7.22	130	60261	15.53	ug/l	100
55) 1,1,2-Trichloroethane	9.34	97	2719	0.89	ug/l	# 1
60) Dibromochloromethane	9.34	129	340116	108.20	ug/l	# 11
64) Tetrachloroethene	9.34	164	410429	103.14	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	84078	27.71	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	84078	80.44	ug/l	# 10
93) 1,2,4-Trichlorobenzene	13.65	180	1097	0.24	ug/l	92
96) 1,2,3-Trichlorobenzene	14.03	180	949	0.21	ug/l	93

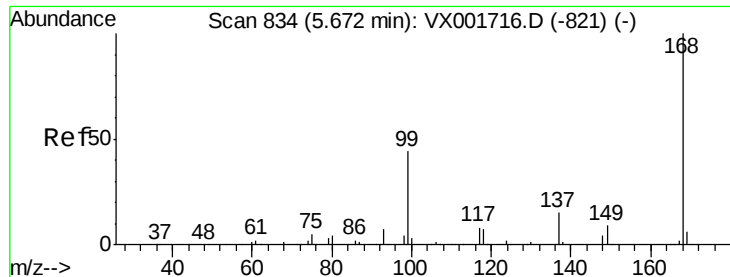
(#)= qualifier out of range (m)= manual integration (+)= signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

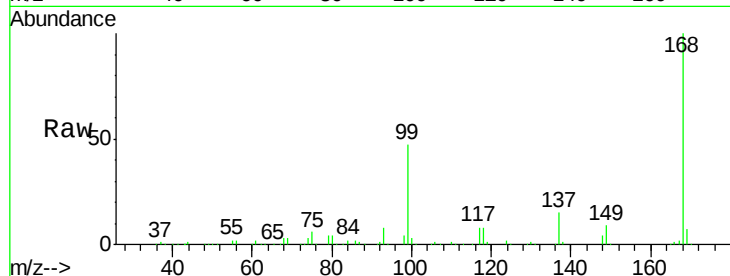
KY062MW146-180503DL

Tgt Ion:168 Resp: 275618

Ion Ratio Lower Upper

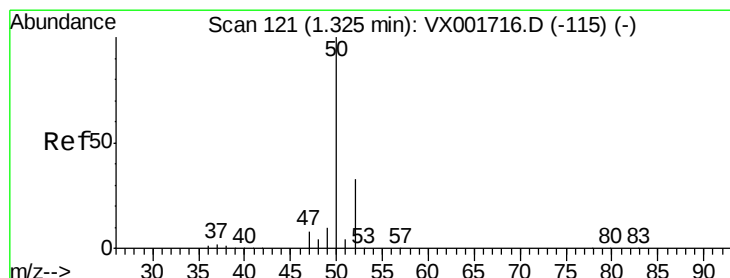
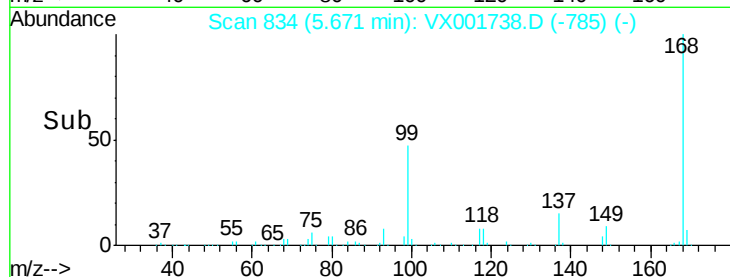
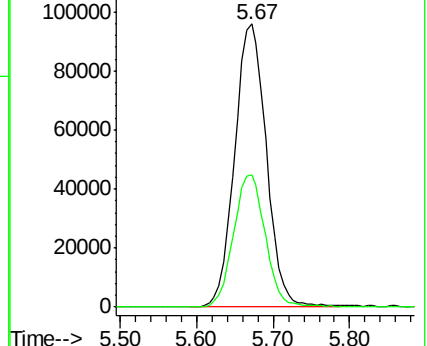
168 100

99 46.7 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001738.D

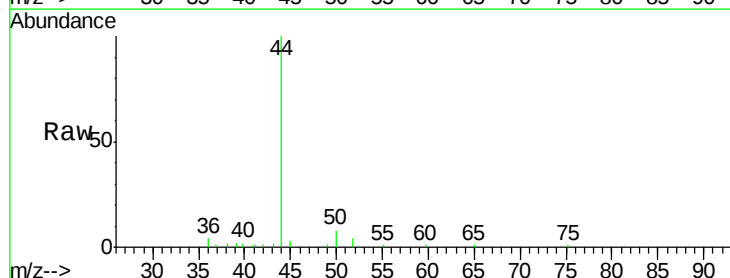
Acq: 15 May 2018 12:00

Tgt Ion: 50 Resp: 772

Ion Ratio Lower Upper

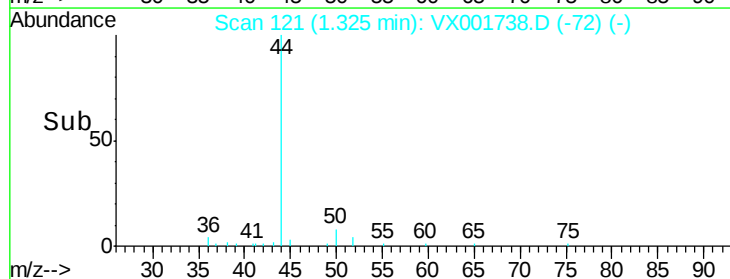
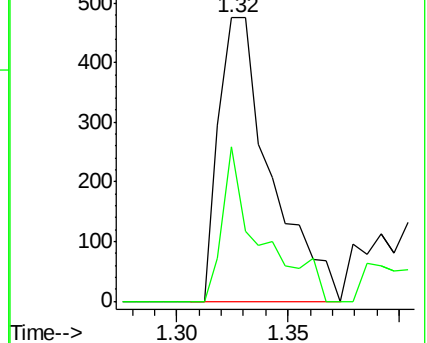
50 100

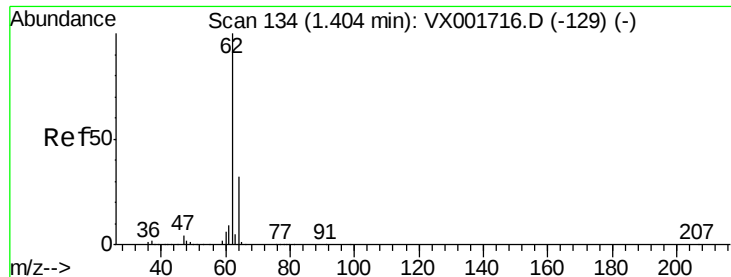
52 54.5 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 2.96 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

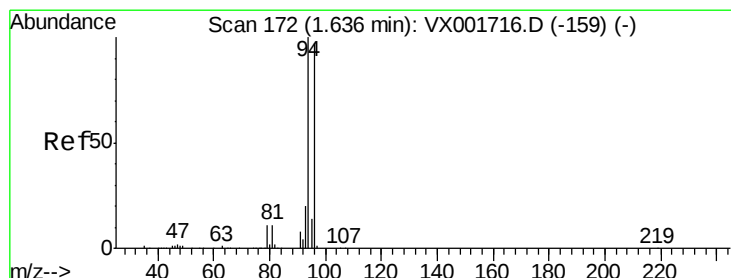
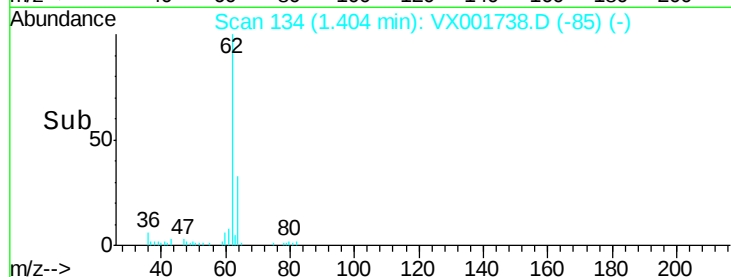
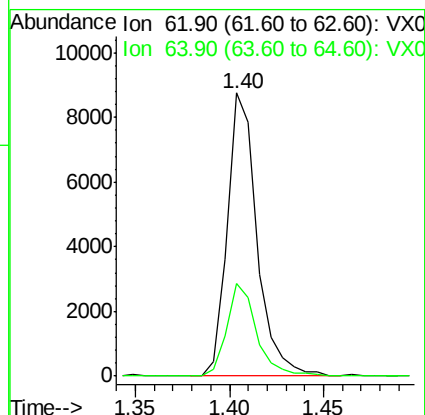
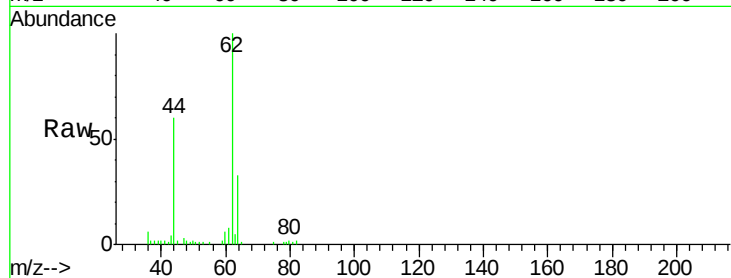
KY062MW146-180503DL

Tgt Ion: 62 Resp: 9563

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001738.D

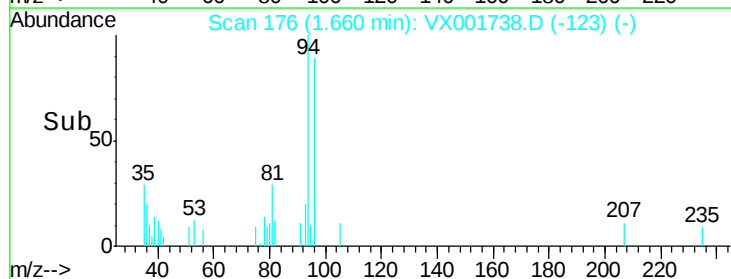
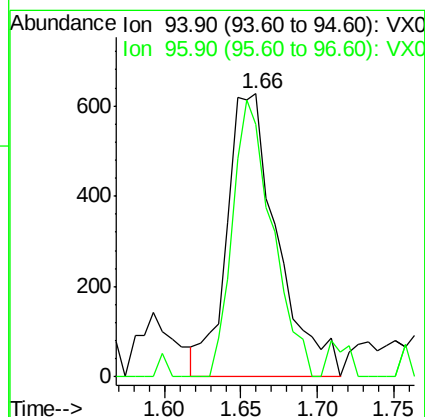
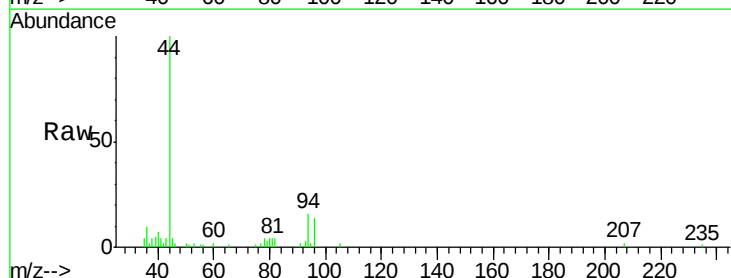
Acq: 15 May 2018 12:00

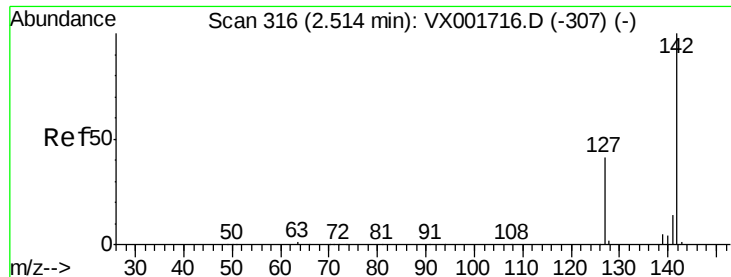
Tgt Ion: 94 Resp: 1441

Ion Ratio Lower Upper

94 100

96 89.0 77.4 116.0

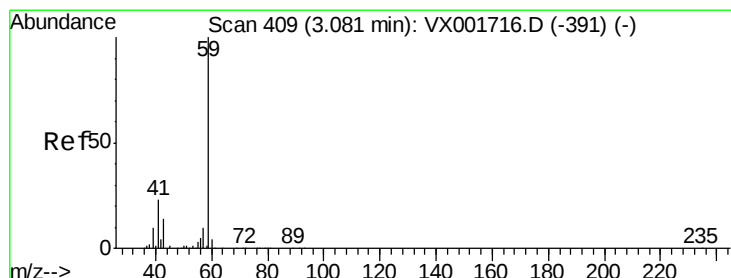
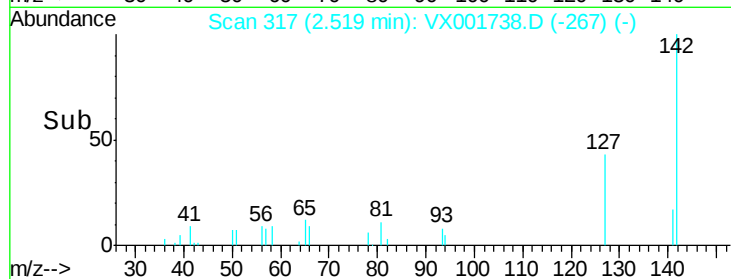
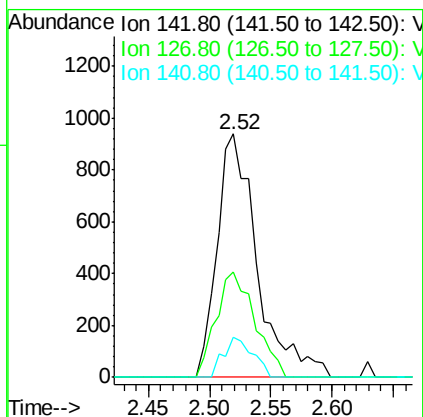
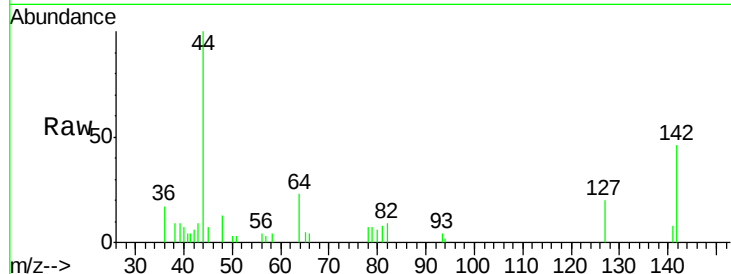




#10
Methyl Iodide
Concen: 0.82 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

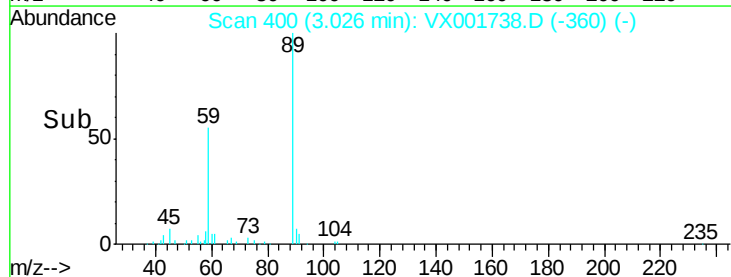
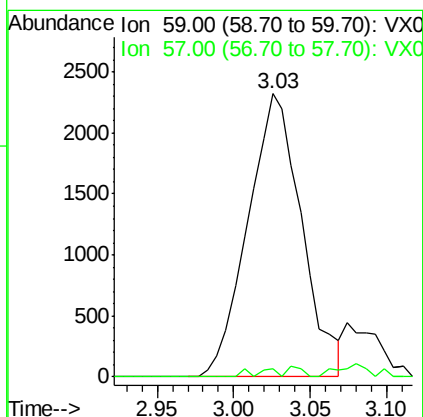
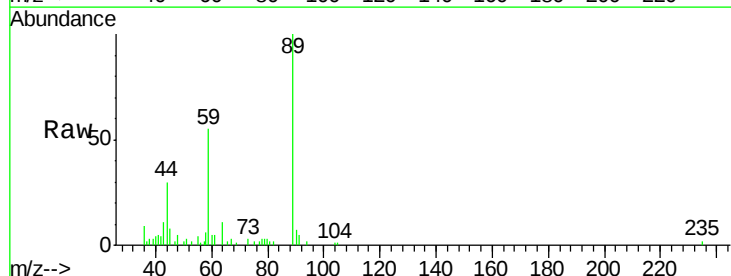
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-180503DL

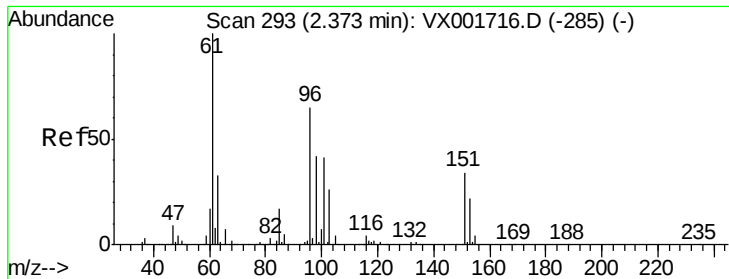
Tgt Ion: 142 Resp: 2144
Ion Ratio Lower Upper
142 100
127 41.7 32.5 48.7
141 12.0 11.4 17.0



#11
Tert butyl alcohol
Concen: 8.64 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

Tgt Ion: 59 Resp: 5664
Ion Ratio Lower Upper
59 100
57 1.3 8.5 12.7#

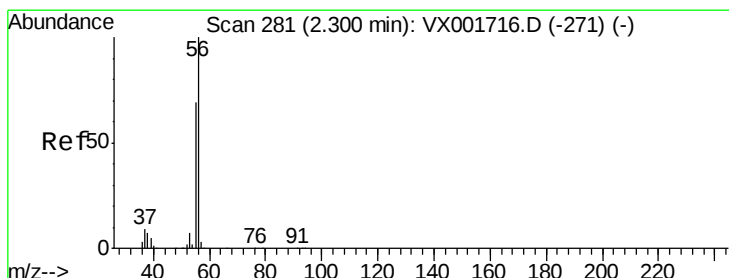
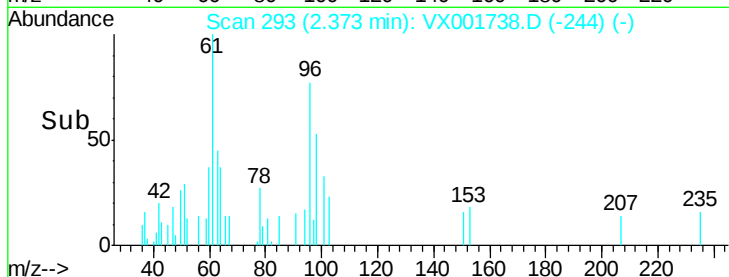
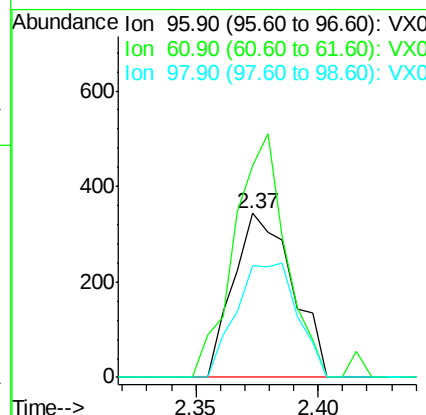
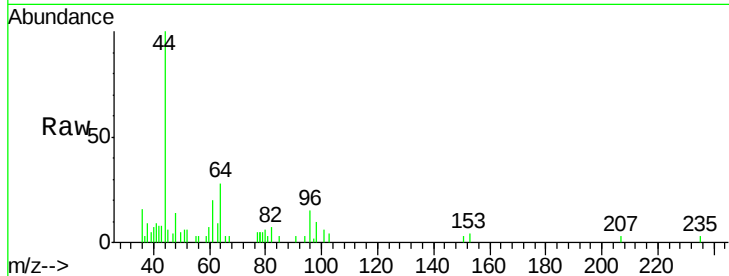




#12
 1,1-Dichloroethene
 Concen: 0.21 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

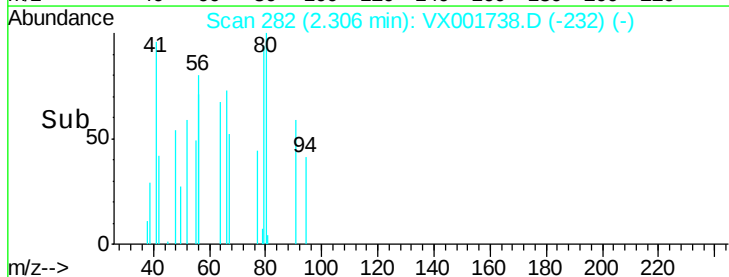
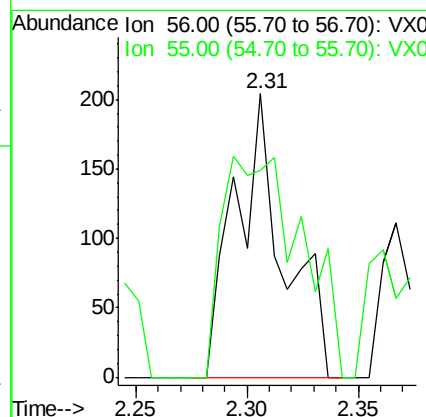
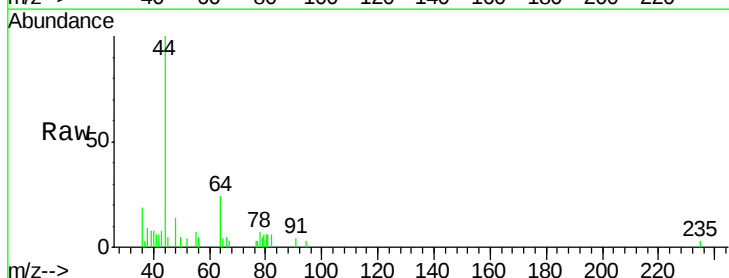
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW146-180503DL

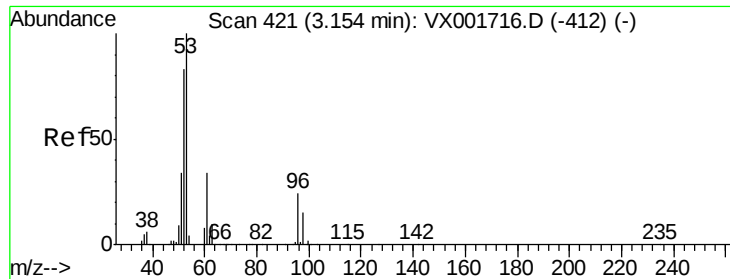
Tgt Ion: 96 Resp: 576
 Ion Ratio Lower Upper
 96 100
 61 129.2 122.2 183.2
 98 67.9 51.4 77.0



#13
 Acrolein
 Concen: 0.66 ug/l
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

Tgt Ion: 56 Resp: 309
 Ion Ratio Lower Upper
 56 100
 55 126.9 56.2 84.2#





#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

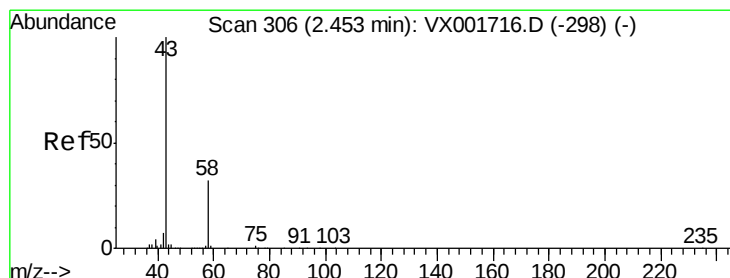
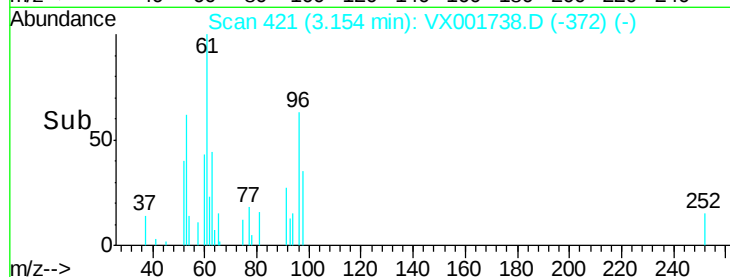
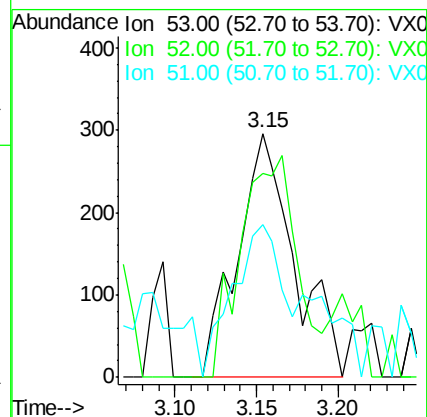
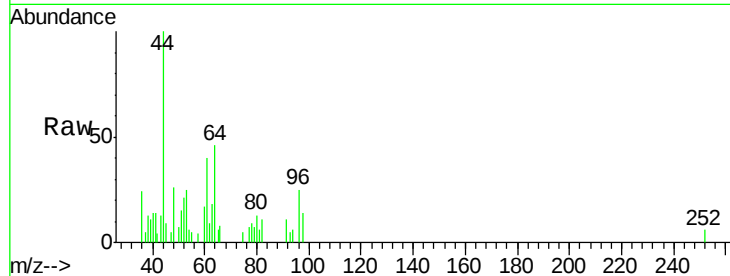
Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-180503DL

Tgt Ion:	53	Resp:	721
Ion	Ratio	Lower	Upper
53	100		
52	89.7	65.6	98.4
51	54.2	28.1	42.1#



#16

Acetone

Concen: 2.01 ug/l

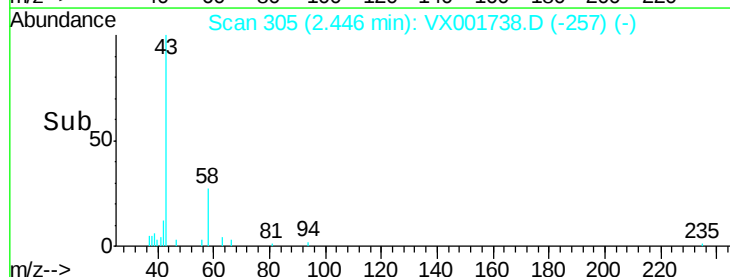
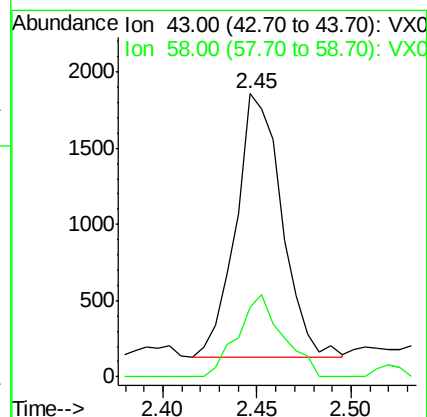
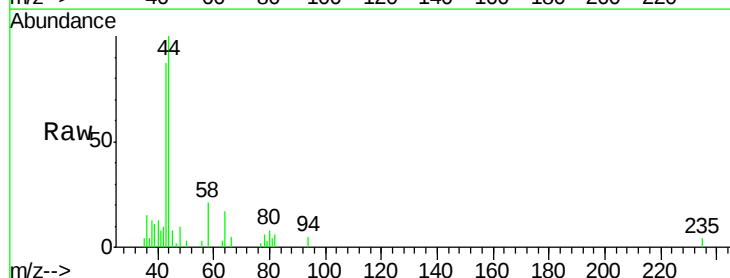
RT: 2.45 min Scan# 305

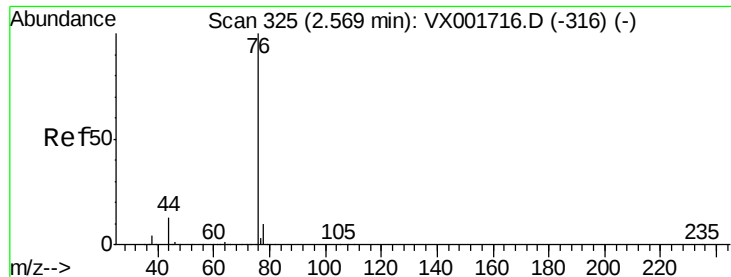
Delta R.T. -0.01 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Tgt Ion:	43	Resp:	2922
Ion	Ratio	Lower	Upper
43	100		
58	26.2	25.3	37.9

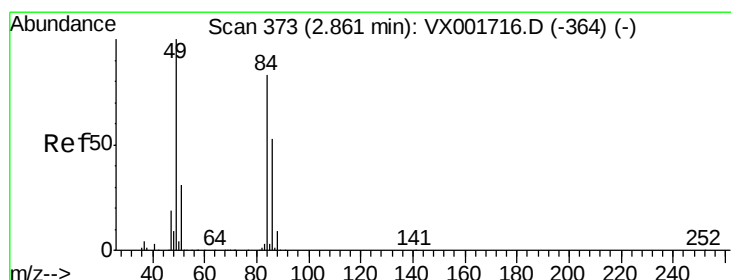
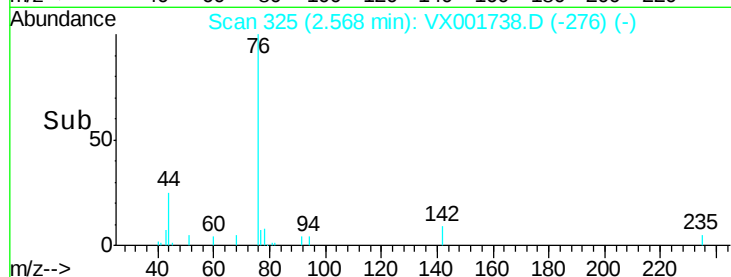
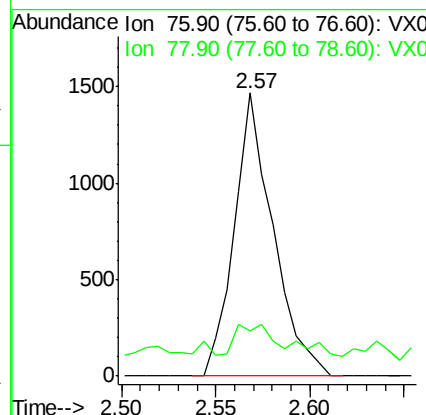
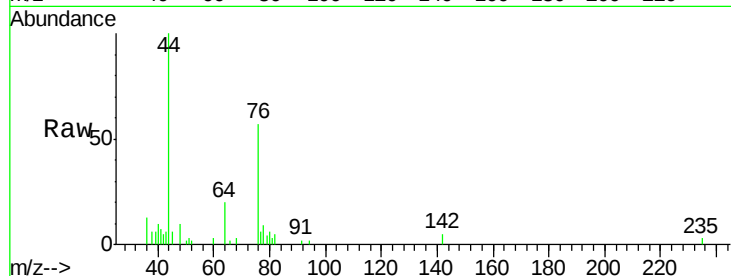




#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

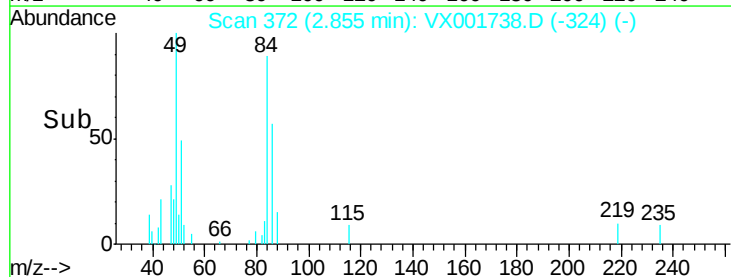
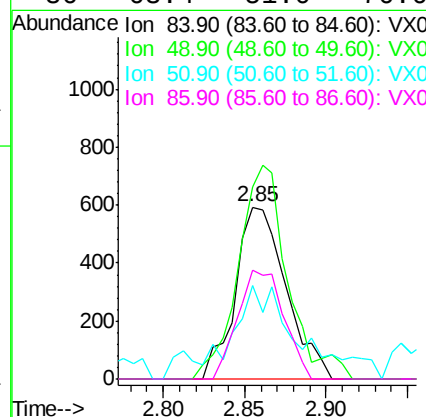
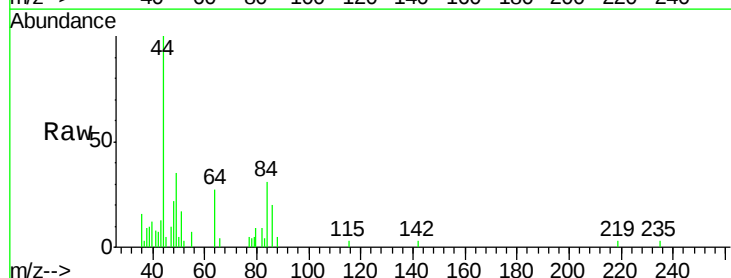
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-180503DL

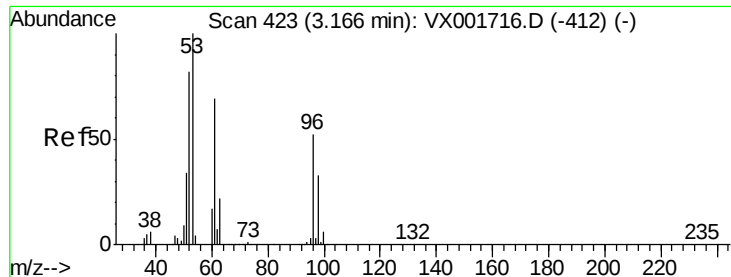
Tgt Ion: 76 Resp: 2100
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

Tgt Ion: 84 Resp: 1282
Ion Ratio Lower Upper
84 100
49 111.8 96.3 144.5
51 44.2 29.8 44.6
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.38 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-180503DL

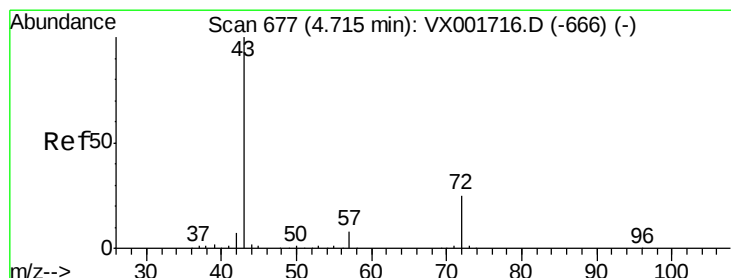
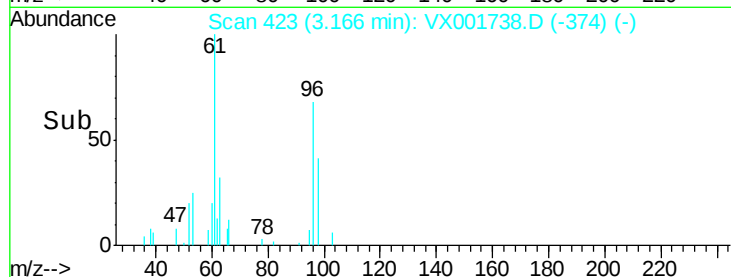
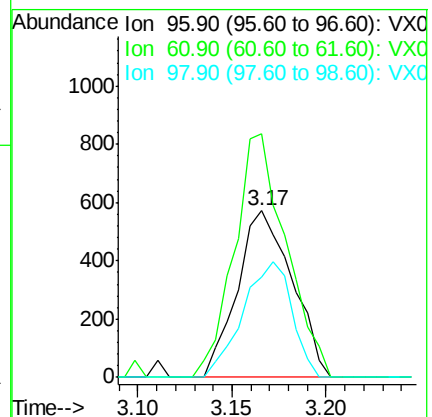
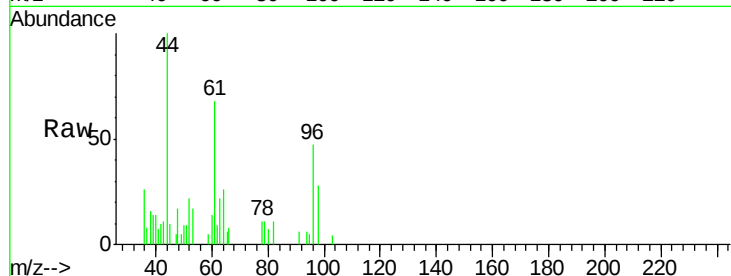
Tgt Ion: 96 Resp: 1155

Ion Ratio Lower Upper

96 100

61 146.2 105.8 158.8

98 60.5 50.2 75.4



#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001738.D

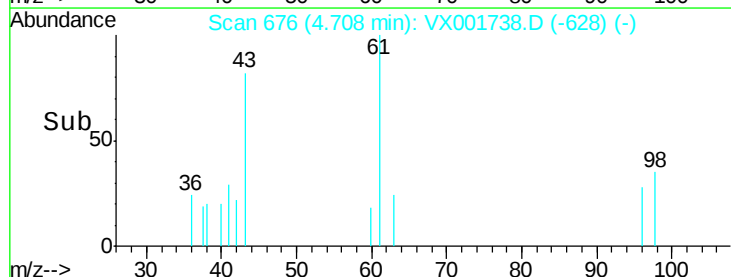
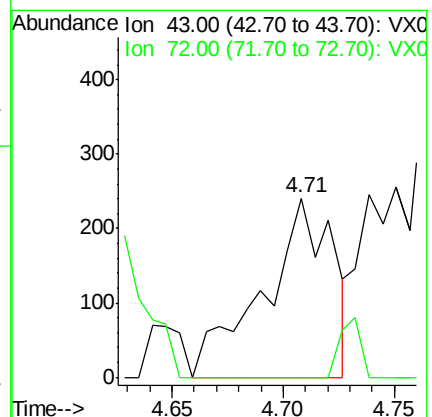
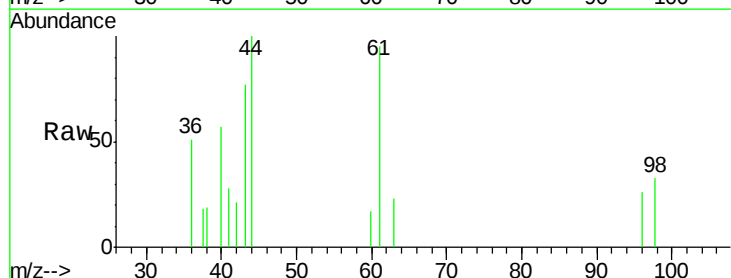
Acq: 15 May 2018 12:00

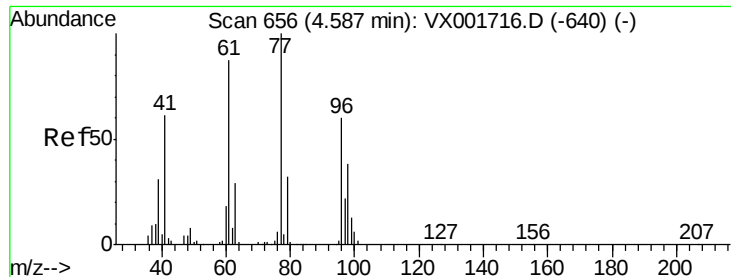
Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#





#26

2,2-Dichloropropane

Concen: 0.60 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.19 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

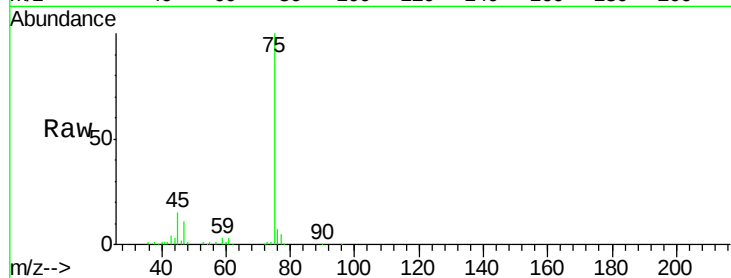
KY062MW146-180503DL

Tgt Ion: 77 Resp: 2555

Ion Ratio Lower Upper

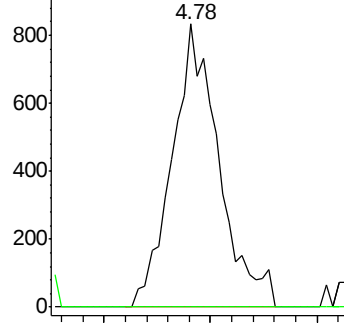
77 100

97 0.0 11.6 34.8#

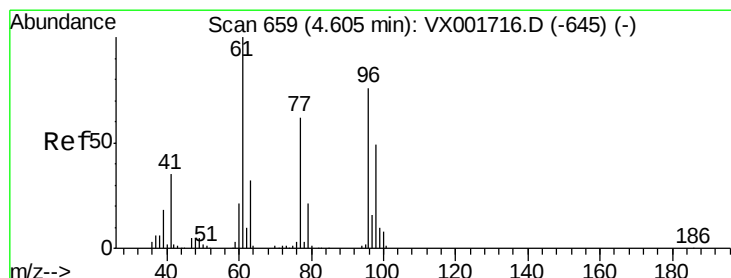
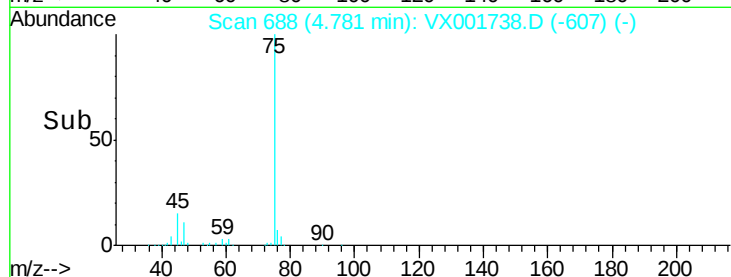


Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 42.00 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

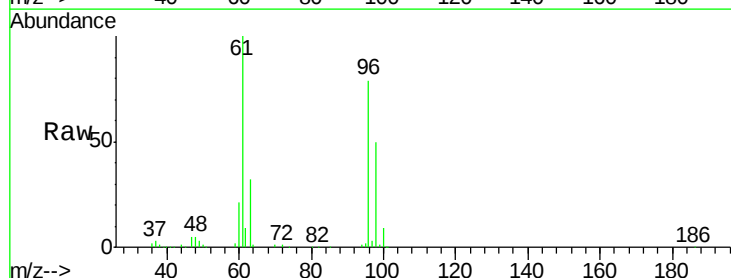
Tgt Ion: 96 Resp: 143438

Ion Ratio Lower Upper

96 100

61 124.7 0.0 280.4

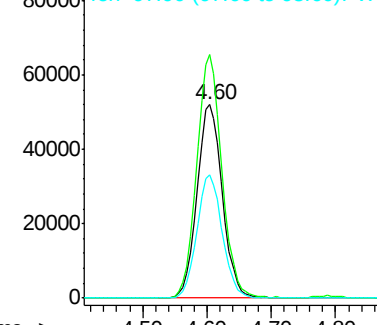
98 63.8 0.0 128.4



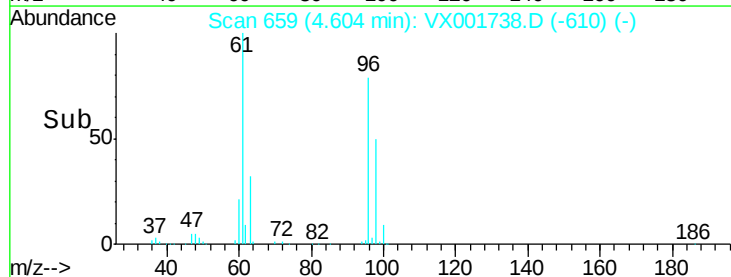
Abundance Ion 95.90 (95.60 to 96.60): VX0

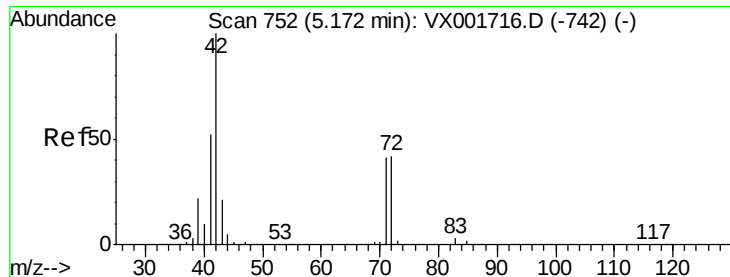
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-180503DL

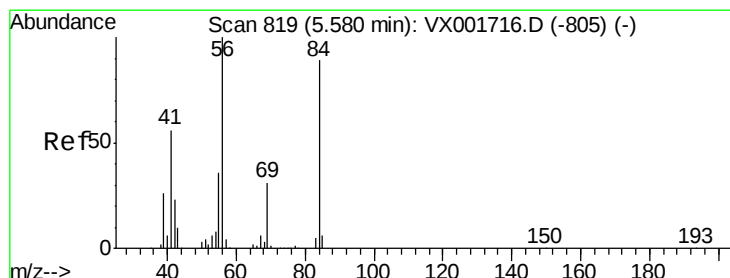
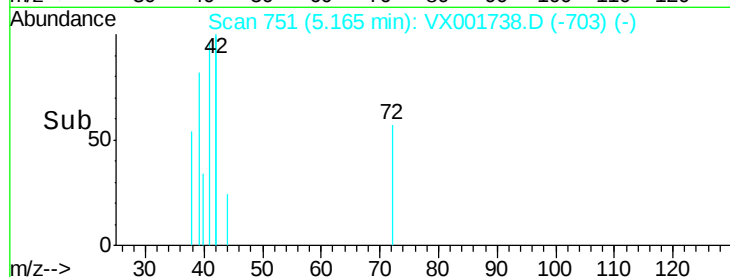
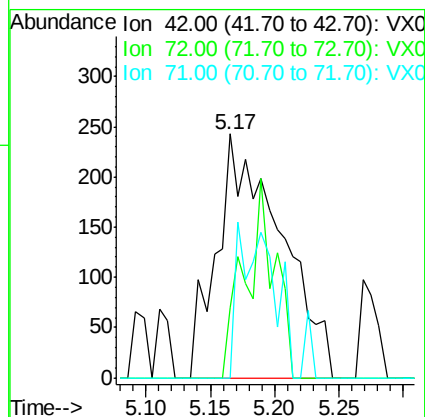
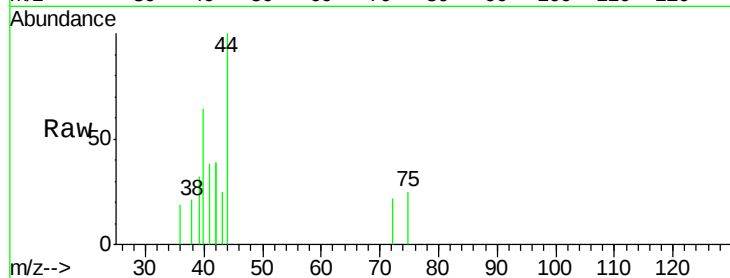
Tgt Ion: 42 Resp: 838

Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

71 35.0 33.2 49.8



#31

Cyclohexane

Concen: 1.09 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

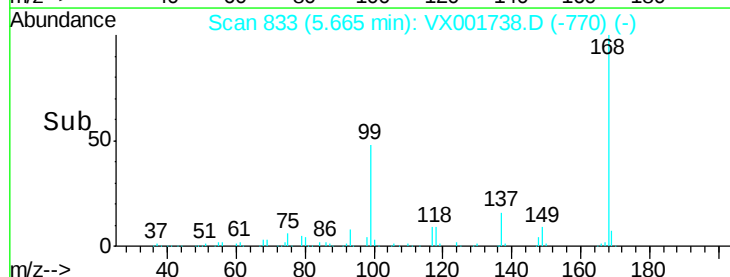
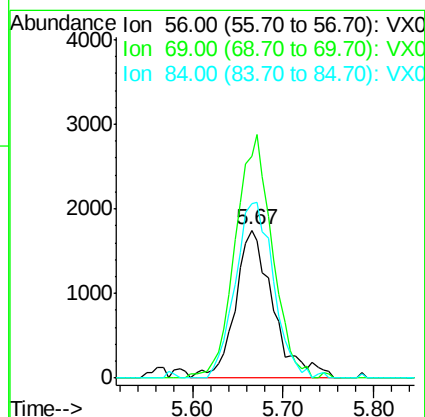
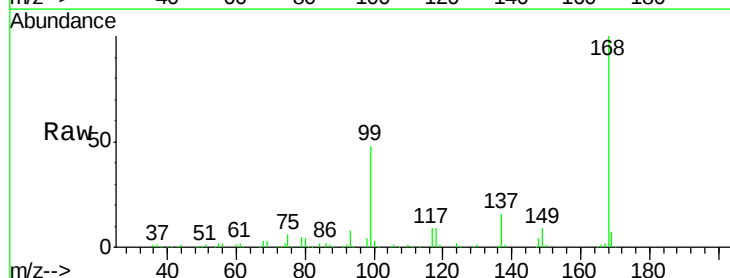
Tgt Ion: 56 Resp: 5064

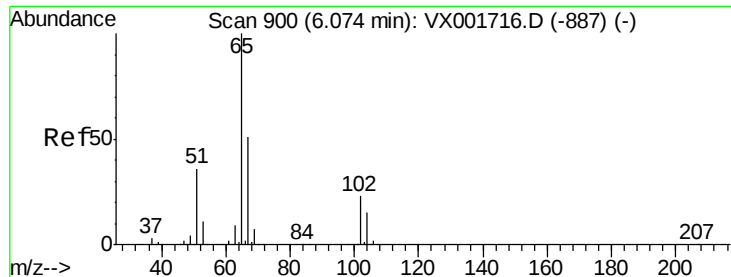
Ion Ratio Lower Upper

56 100

69 149.7 25.0 37.6#

84 117.6 71.0 106.4#

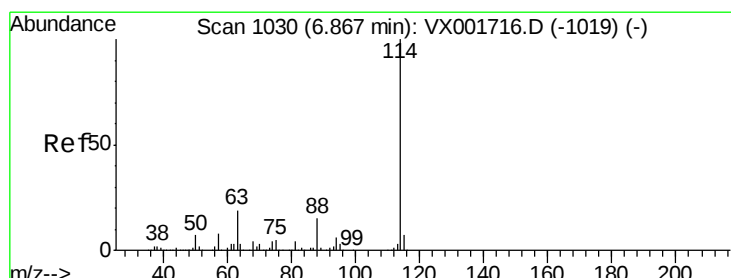
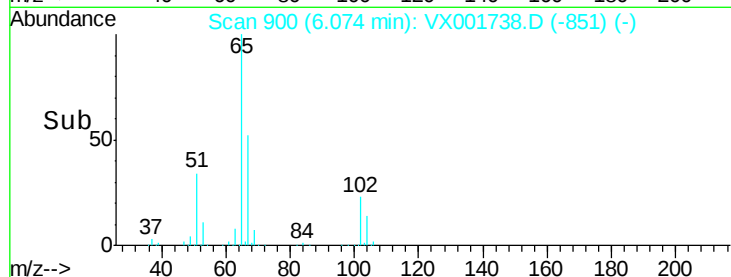
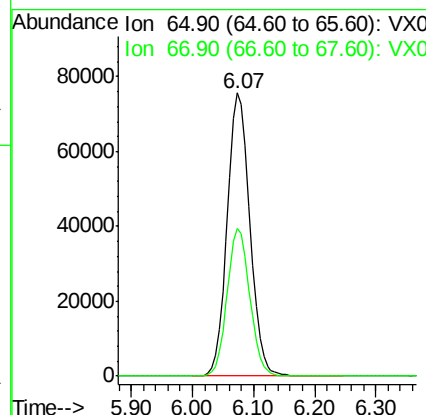
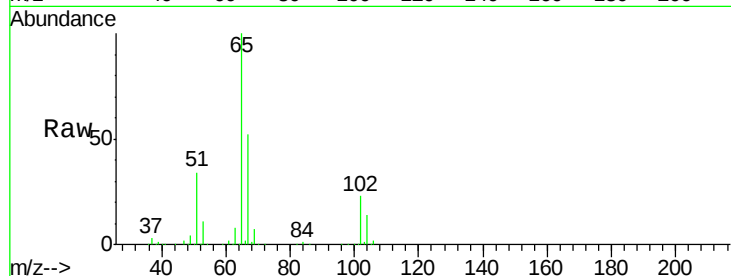




#33
 1,2-Dichloroethane-d4
 Concen: 52.40 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

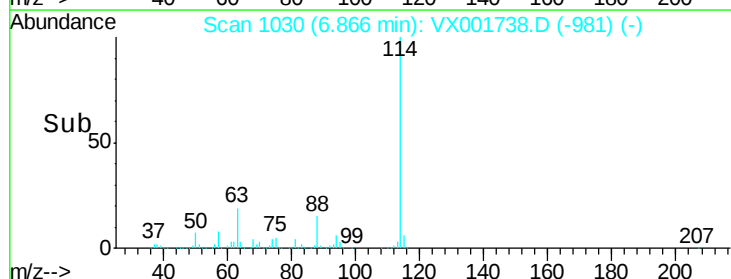
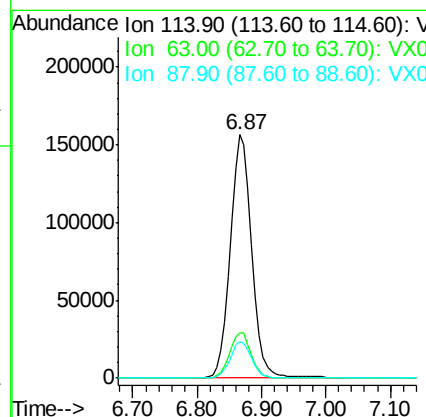
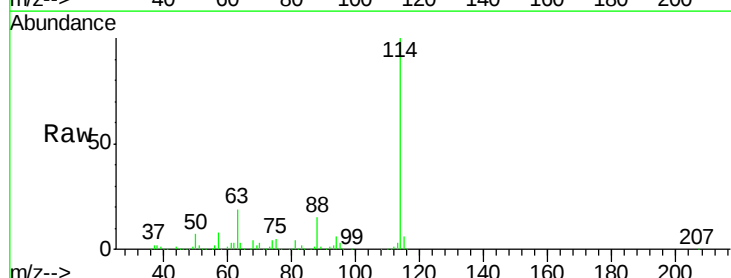
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW146-180503DL

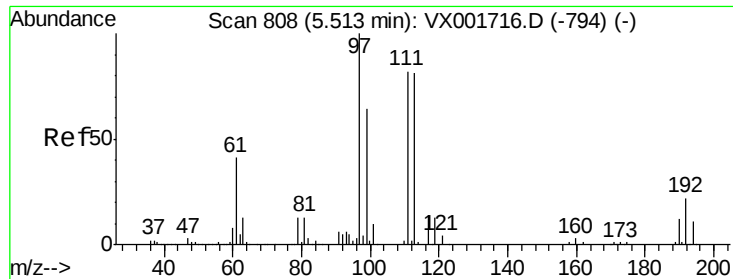
Tgt Ion: 65 Resp: 193602
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

Tgt Ion: 114 Resp: 368488
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.0
 88 14.9 0.0 29.8

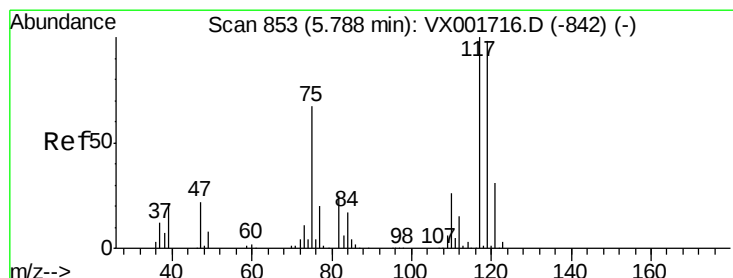
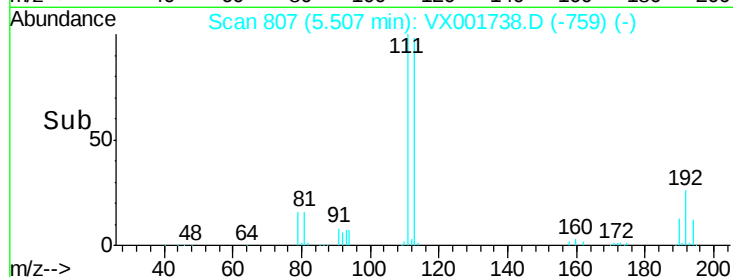
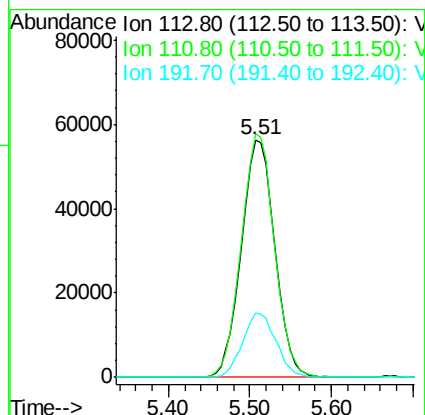
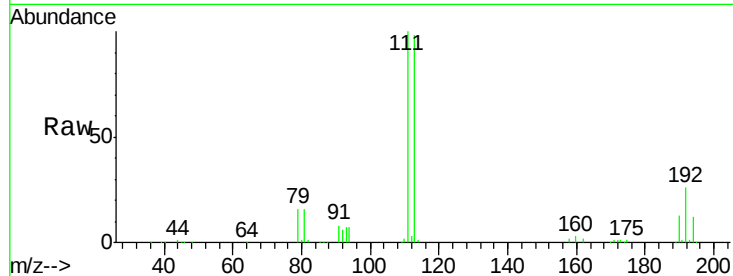




#35
Dibromofluoromethane
Concen: 51.75 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

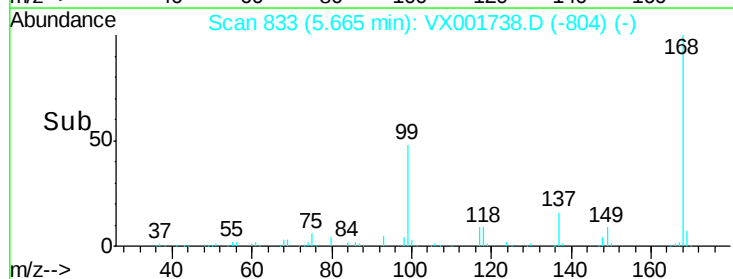
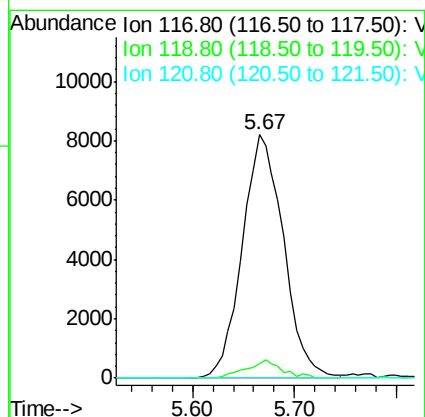
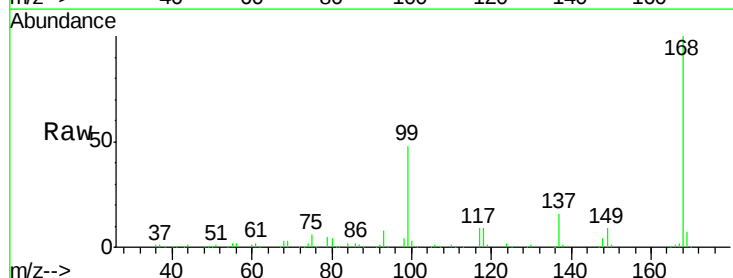
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-180503DL

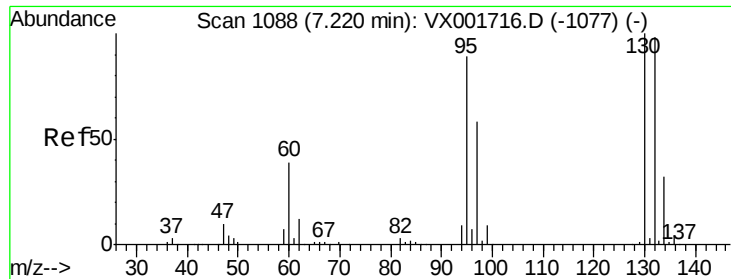
Tgt Ion:113 Resp: 160940
Ion Ratio Lower Upper
113 100
111 101.7 82.0 123.0
192 27.0 21.6 32.4



#38
Carbon Tetrachloride
Concen: 5.18 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

Tgt Ion:117 Resp: 23021
Ion Ratio Lower Upper
117 100
119 5.8 77.6 116.4#
121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 15.53 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

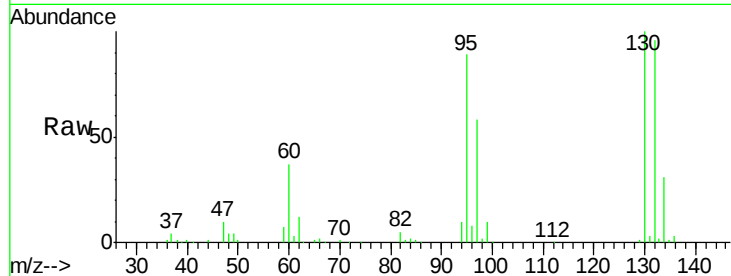
KY062MW146-180503DL

Tgt Ion:130 Resp: 60261

Ion Ratio Lower Upper

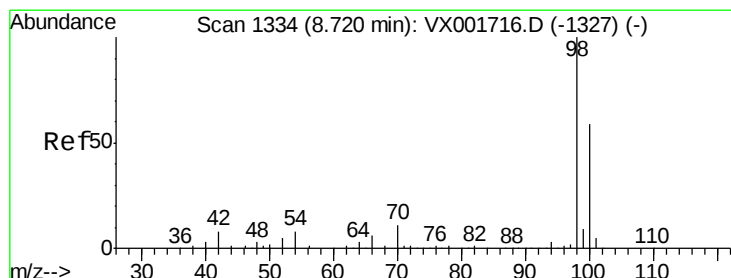
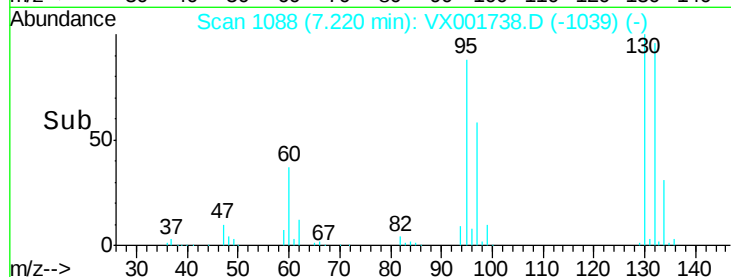
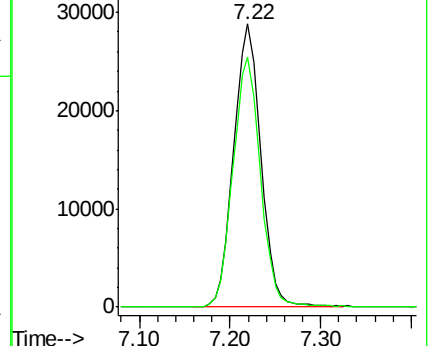
130 100

95 88.6 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: 51.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001738.D

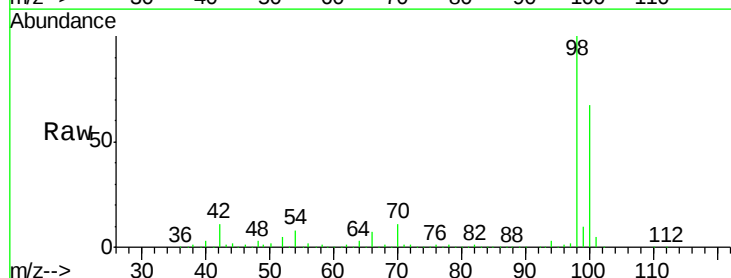
Acq: 15 May 2018 12:00

Tgt Ion: 98 Resp: 570610

Ion Ratio Lower Upper

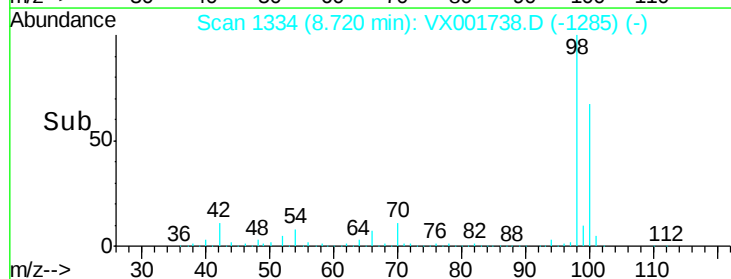
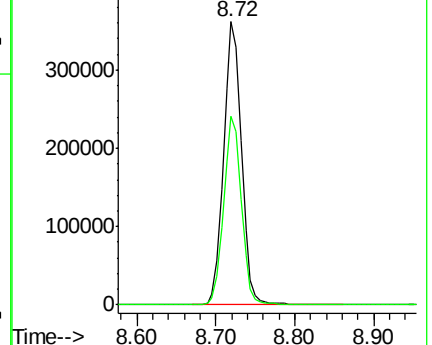
98 100

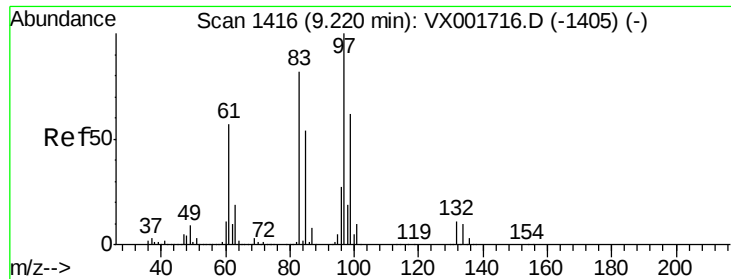
100 66.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

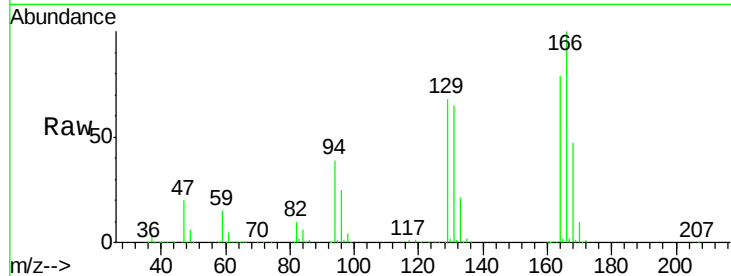




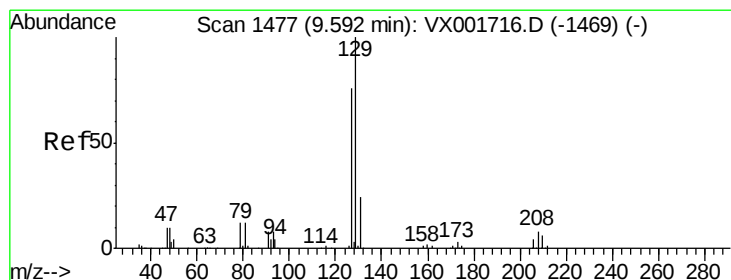
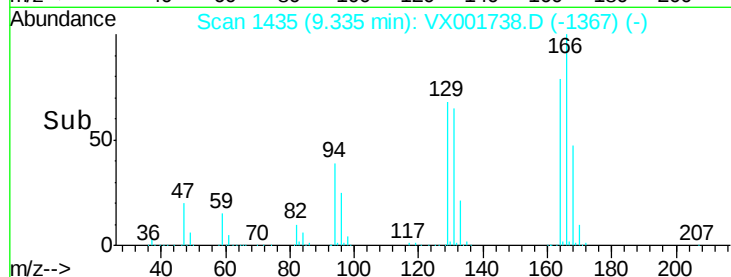
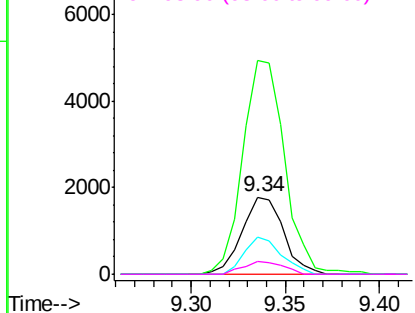
#55
 1,1,2-Trichloroethane
 Concen: 0.89 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW146-180503DL

Tgt Ion: 97 Resp: 2719
 Ion Ratio Lower Upper
 97 100
 83 277.2 65.8 98.8#
 85 47.9 43.4 65.0
 99 17.1 49.8 74.6#

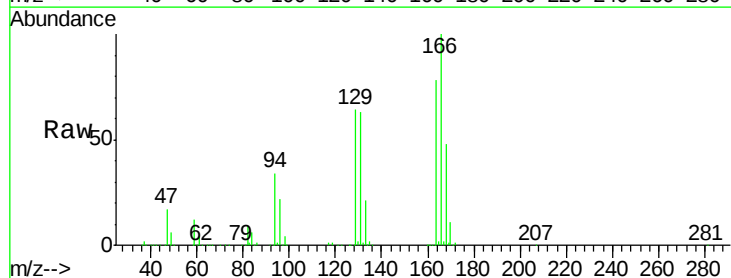


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

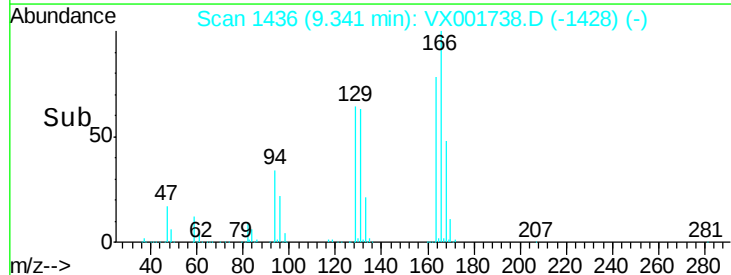
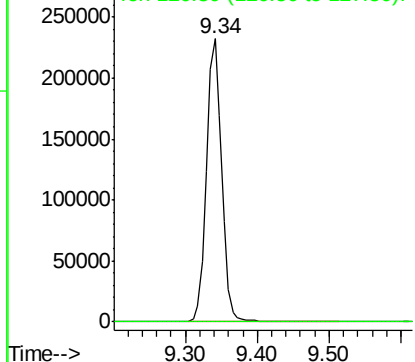


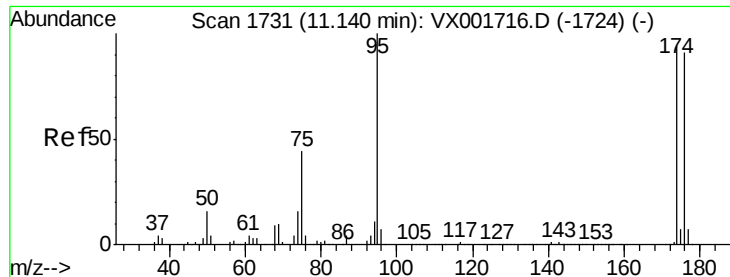
#60
 Dibromochloromethane
 Concen: 108.20 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

Tgt Ion: 129 Resp: 340116
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

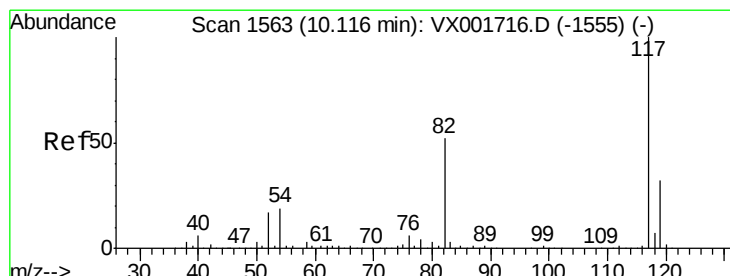
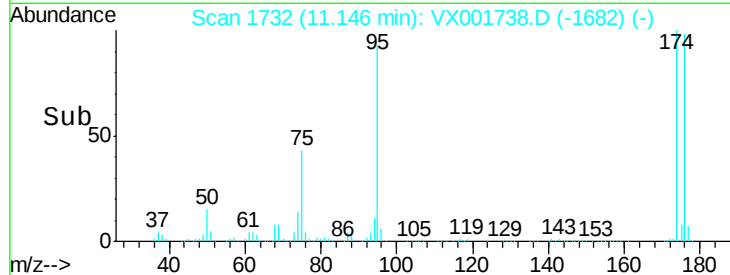
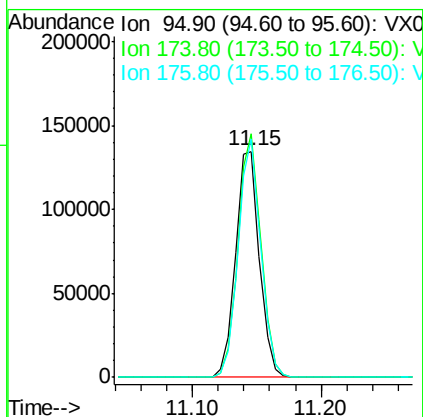
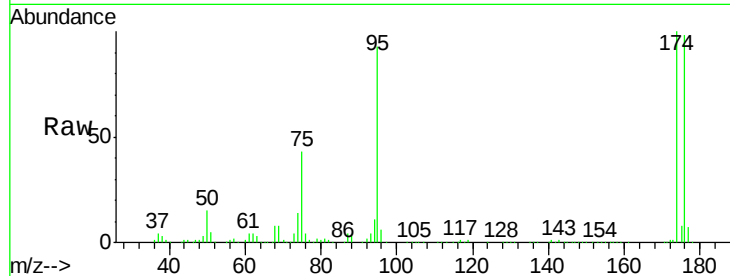




#62
4-Bromofluorobenzene
Concen: 43.34 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

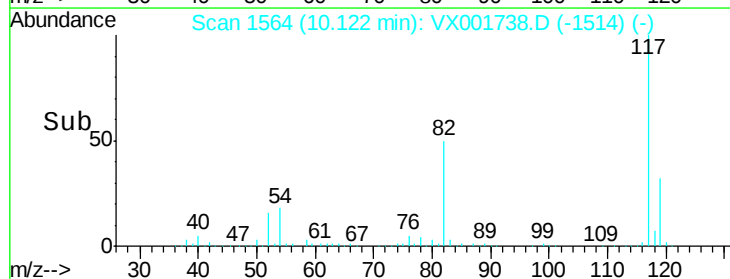
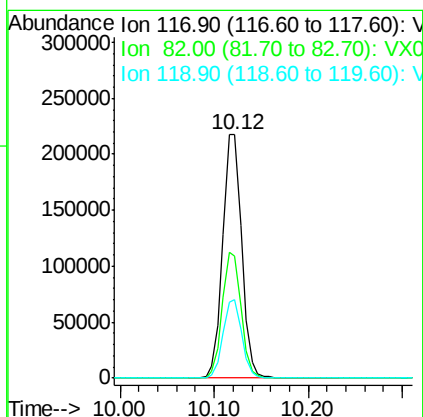
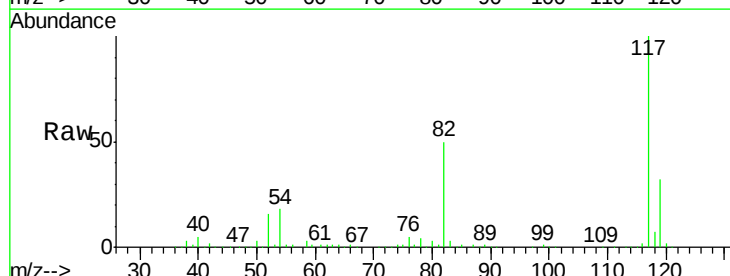
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-180503DL

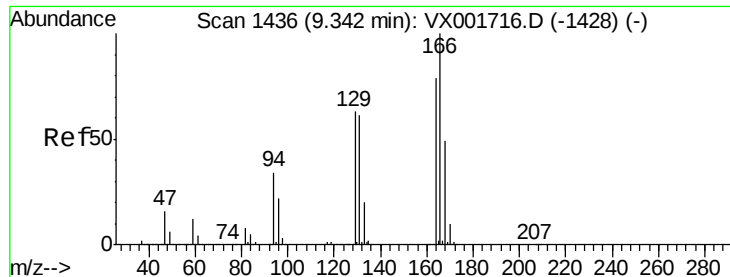
Tgt Ion: 95 Resp: 173807
Ion Ratio Lower Upper
95 100
174 103.4 0.0 201.8
176 99.2 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001738.D
Acq: 15 May 2018 12:00

Tgt Ion: 117 Resp: 305688
Ion Ratio Lower Upper
117 100
82 50.2 41.4 62.2
119 32.3 25.6 38.4





#64

Tetrachloroethene

Concen: 103.14 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-180503DL

Tgt Ion:164 Resp: 410429

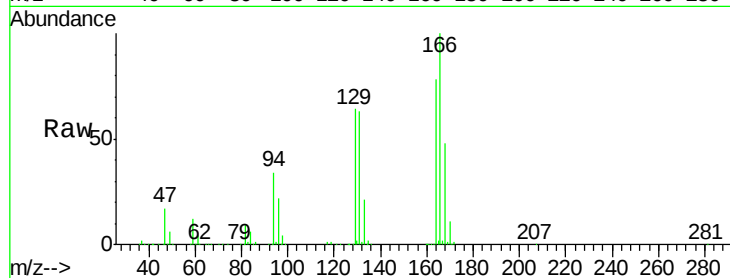
Ion Ratio Lower Upper

164 100

166 127.9 101.8 152.8

129 82.2 63.8 95.6

131 80.3 62.2 93.2

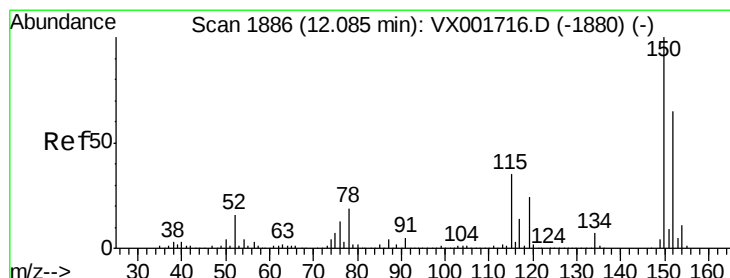
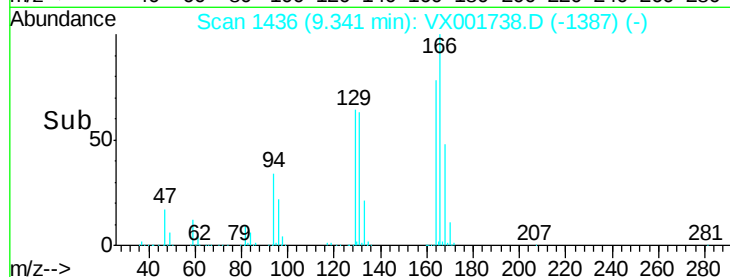
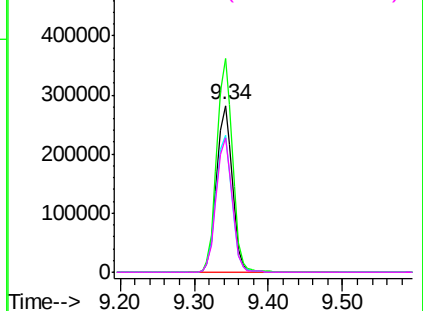


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

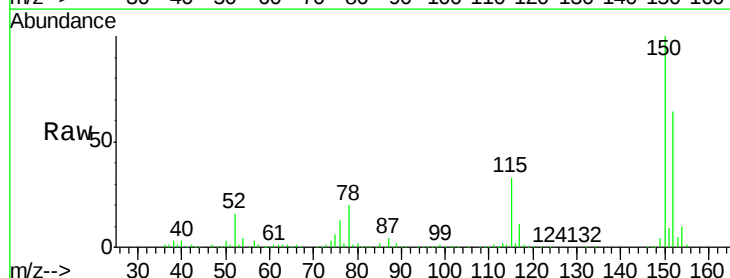
Tgt Ion:152 Resp: 159538

Ion Ratio Lower Upper

152 100

115 52.1 37.4 112.2

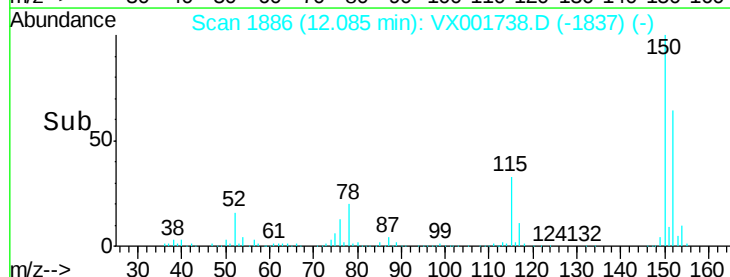
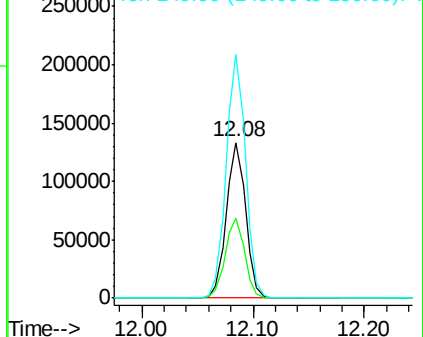
150 157.2 0.0 344.8

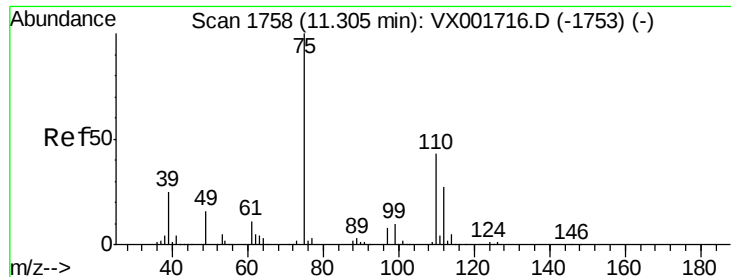


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

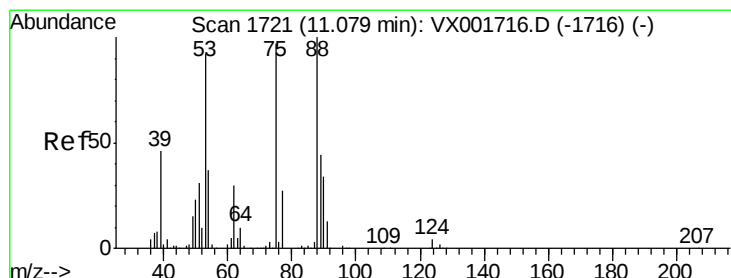
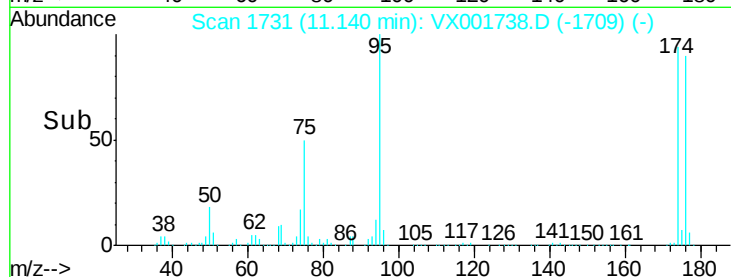
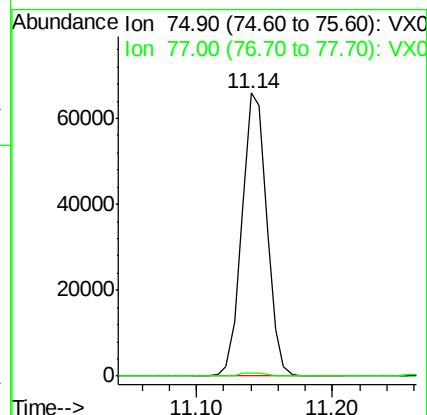
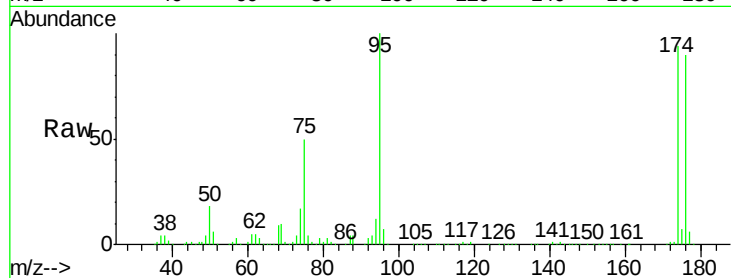
KY062MW146-180503DL

Tgt Ion: 75 Resp: 84078

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001738.D

Acq: 15 May 2018 12:00

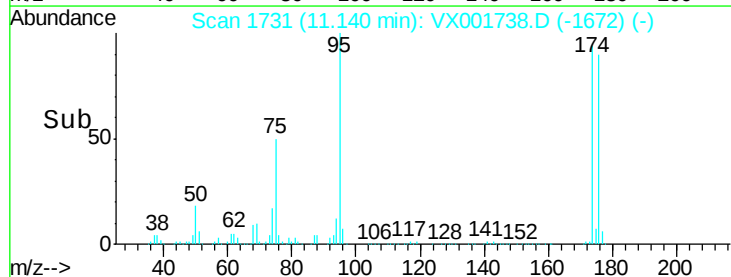
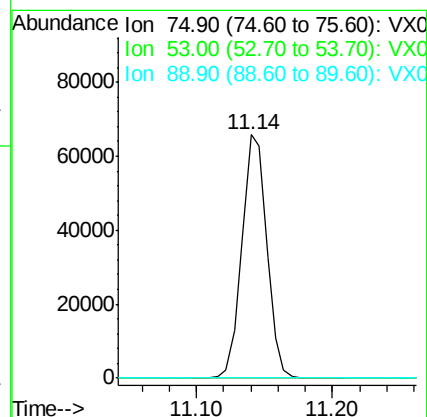
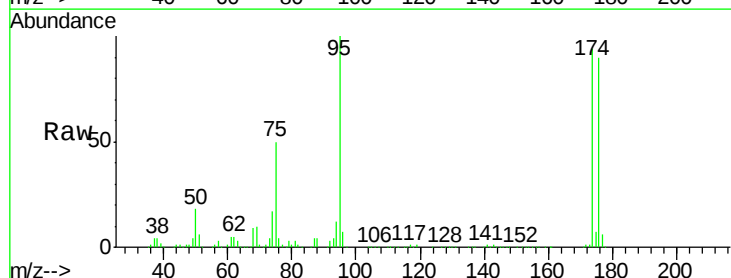
Tgt Ion: 75 Resp: 84078

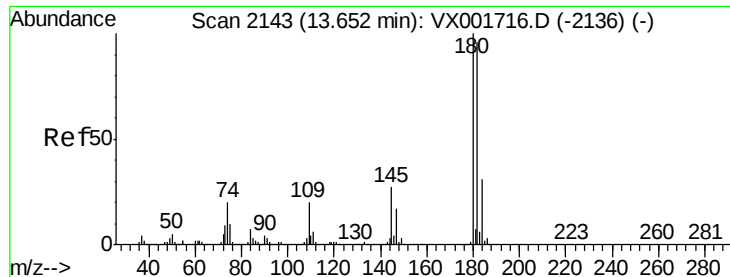
Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.2#

89 0.0 38.8 58.2#

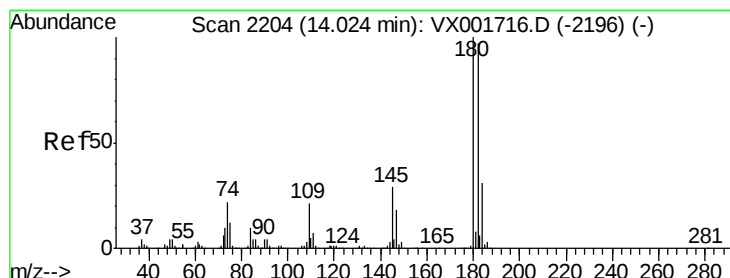
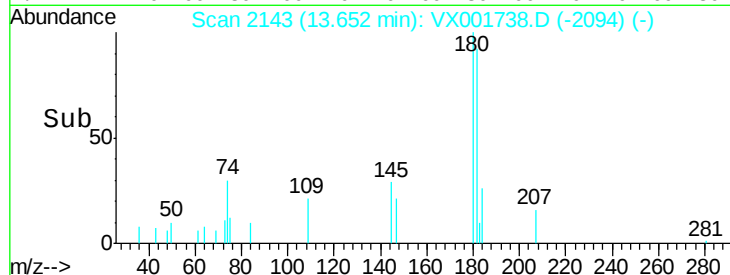
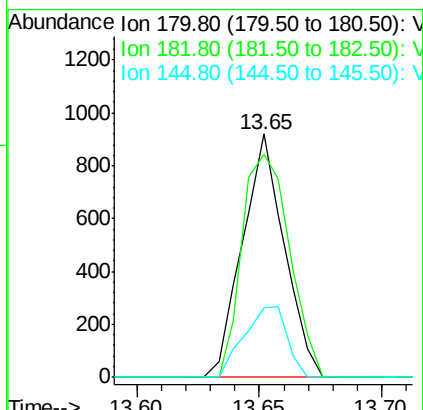
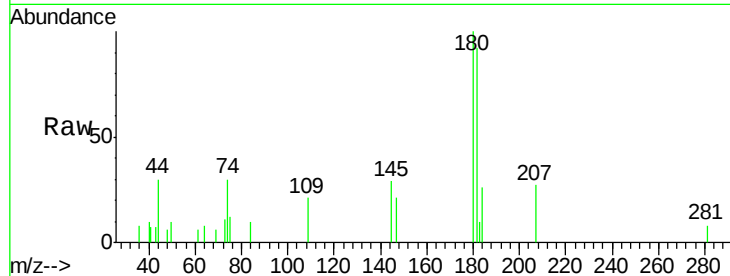




#93
 1,2,4-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW146-180503DL

Tgt Ion:180 Resp: 1097
 Ion Ratio Lower Upper
 180 100
 182 104.1 47.6 142.9
 145 29.7 13.4 40.1



#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: VX001738.D
 Acq: 15 May 2018 12:00

Tgt Ion:180 Resp: 949
 Ion Ratio Lower Upper
 180 100
 182 86.9 47.9 143.7
 145 28.9 14.2 42.8

