

Data File : VX001746.D

Acq On : 15 May 2018 15:35

Operator : JC/MD

Sample : J2737-06

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 13 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-180503

Quant Time: May 16 04:09:53 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	251218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	182354	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	5.51	113	149761	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	8.72	98	504087	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.15	95	165526	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	1102	0.40	ug/l	# 86
5) Bromomethane	1.66	94	1333	Below	Cal	# 80
6) Chloroethane	1.75	64	1263	0.68	ug/l	# 75
10) Methyl Iodide	2.52	142	1531	0.65	ug/l	93
11) Tert butyl alcohol	3.07	59	338	0.57	ug/l	# 72
12) 1,1-Dichloroethene	2.37	96	538	0.22	ug/l	95
16) Acetone	2.45	43	1661	1.26	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	549	0.20	ug/l	# 74
25) 2-Butanone	4.73	43	557	0.28	ug/l	# 51
27) cis-1,2-Dichloroethene	4.60	96	58605	18.83	ug/l	92
30) Chloroform	5.23	83	3132	0.62	ug/l	96
31) Cyclohexane	5.67	56	4139	0.98	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	15174	3.91	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	21831	5.37	ug/l	# 16
39) Methylcyclohexane	7.22	83	2396	0.53	ug/l	# 1
44) Trichloroethene	7.22	130	217389	61.30	ug/l	99
51) 4-Methyl-2-Pentanone	8.72	43	2309	0.58	ug/l	# 1
55) 1,1,2-Trichloroethane	9.34	97	11575	4.12	ug/l	# 1
60) Dibromochloromethane	9.34	129	1407601	489.82	ug/l	# 11
64) Tetrachloroethene	9.34	164	1697855	448.83	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	78865	27.39	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	78865	79.53	ug/l	# 10

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

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MSVOA_X

ClientSampleId :

KY062MW071-180503

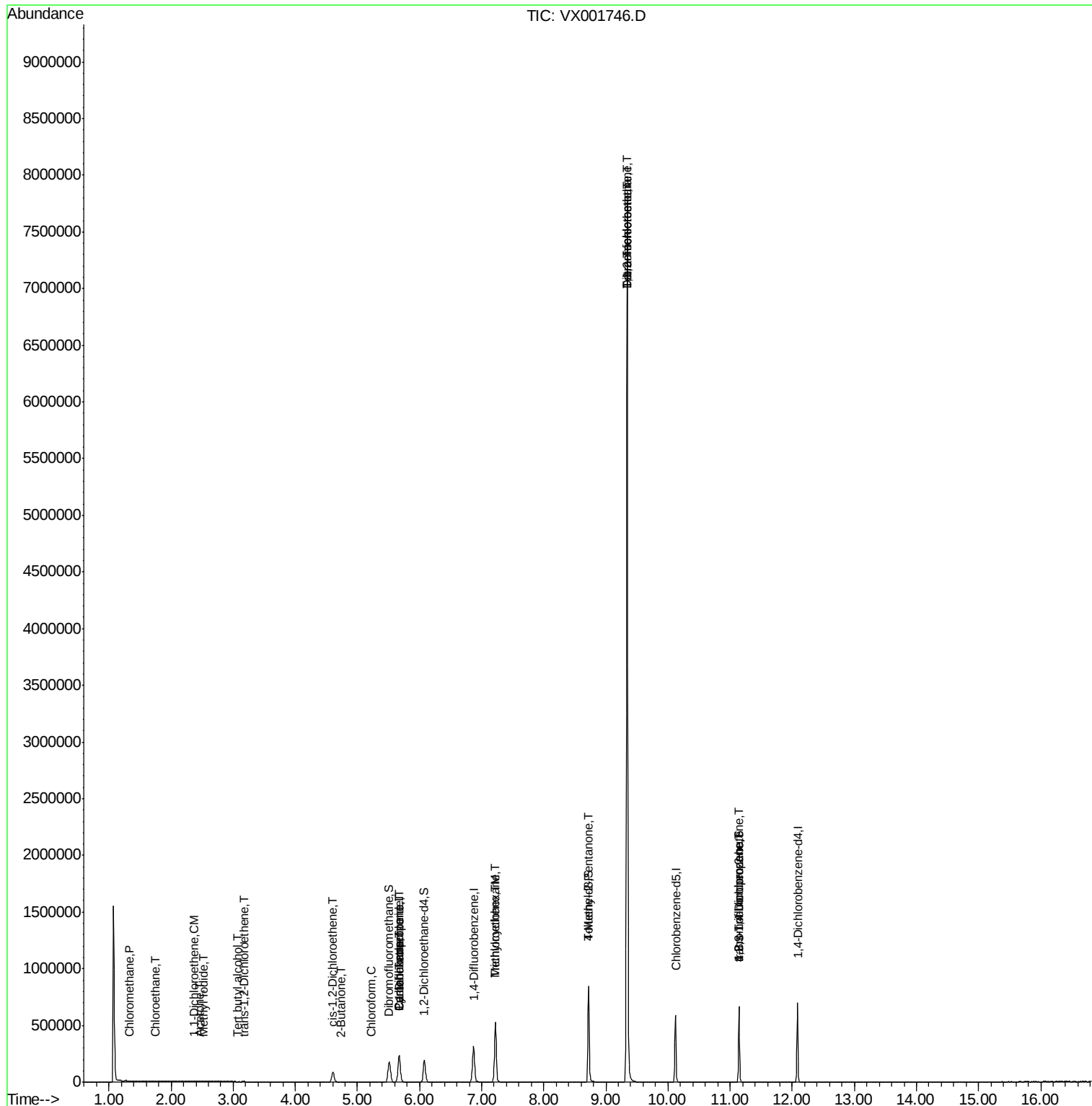
Quant Time: May 16 04:09:53 2018

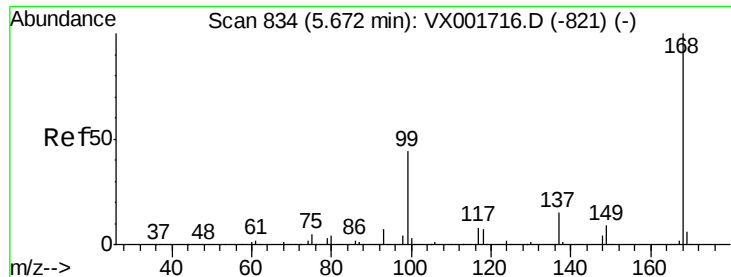
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

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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: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

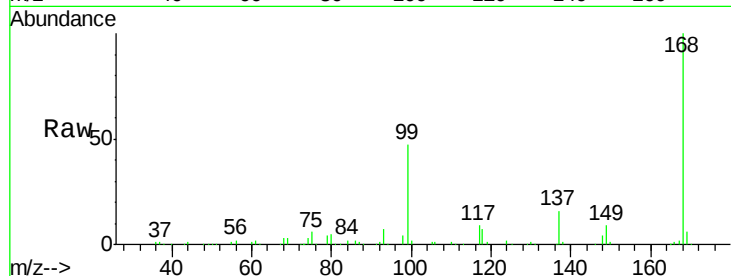
KY062MW071-180503

Tgt Ion:168 Resp: 251218

Ion Ratio Lower Upper

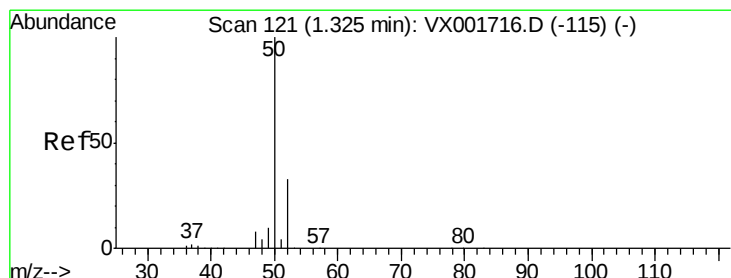
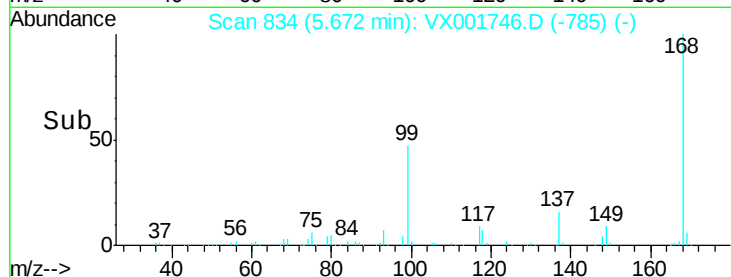
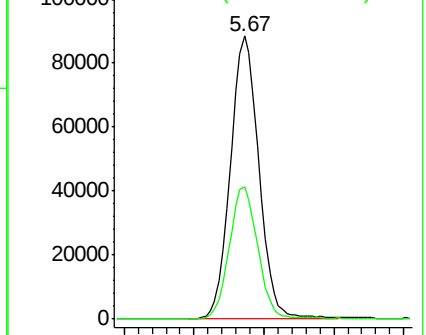
168 100

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: 0.40 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001746.D

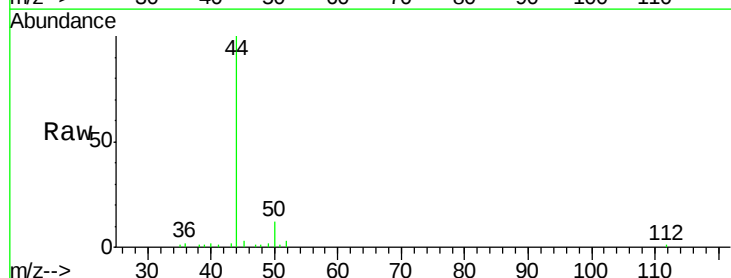
Acq: 15 May 2018 15:35

Tgt Ion: 50 Resp: 1102

Ion Ratio Lower Upper

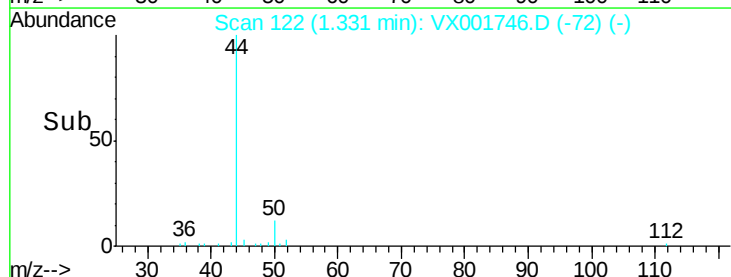
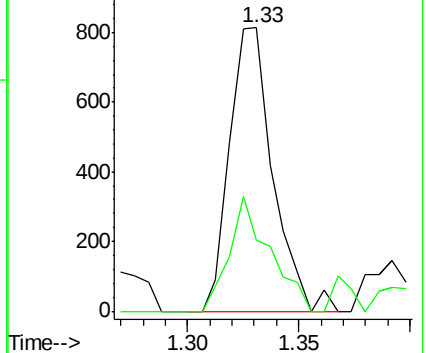
50 100

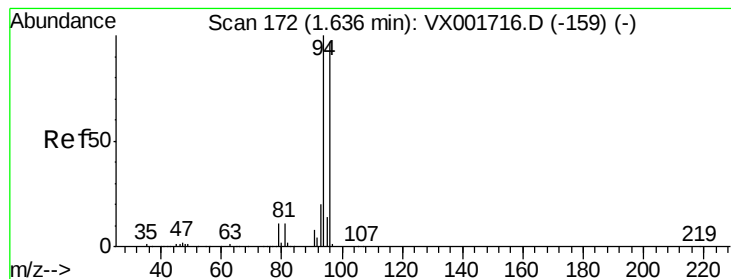
52 25.2 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

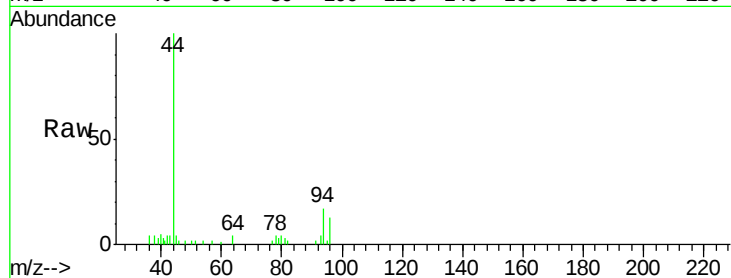
KY062MW071-180503

Tgt Ion: 94 Resp: 1333

Ion Ratio Lower Upper

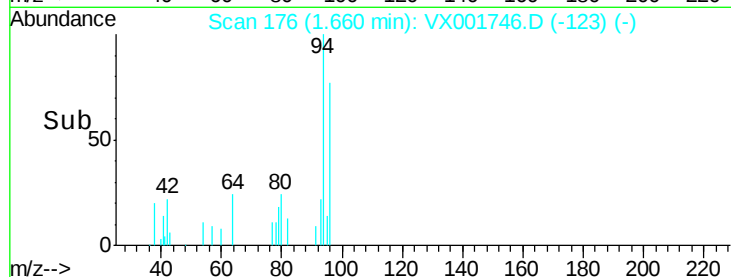
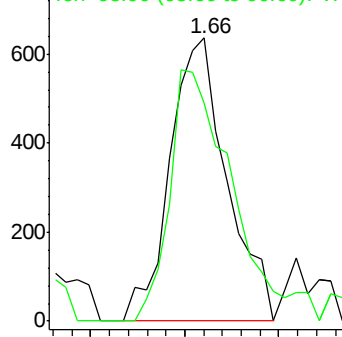
94 100

96 77.0 77.4 116.0#

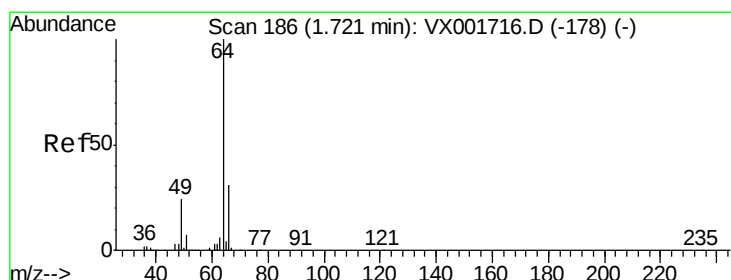


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.68 ug/l

RT: 1.75 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX001746.D

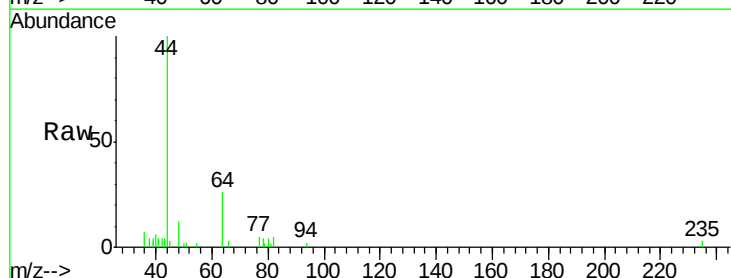
Acq: 15 May 2018 15:35

Tgt Ion: 64 Resp: 1263

Ion Ratio Lower Upper

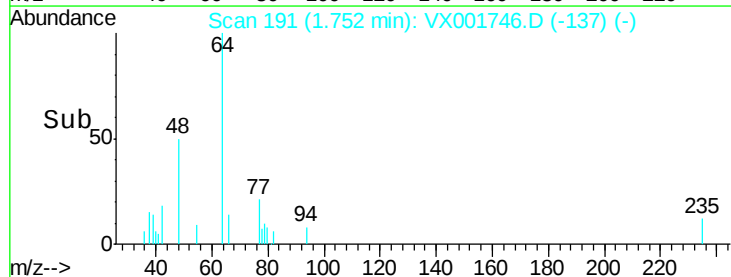
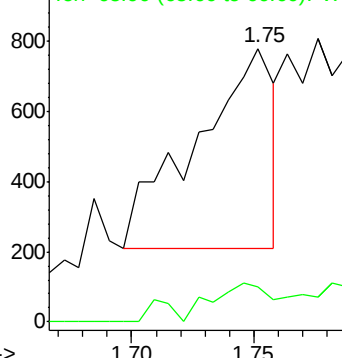
64 100

66 17.4 25.2 37.8#

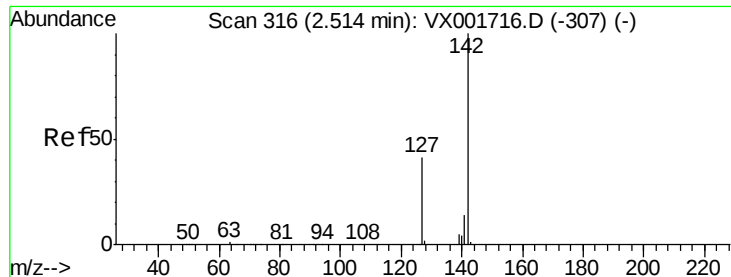


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



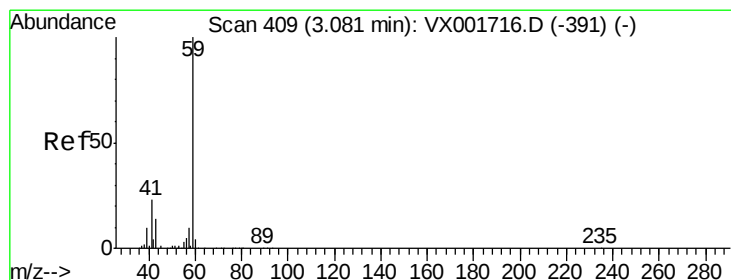
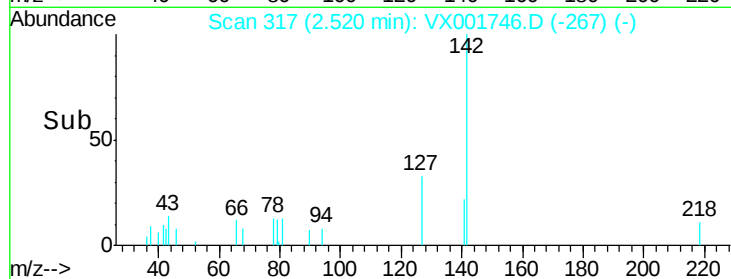
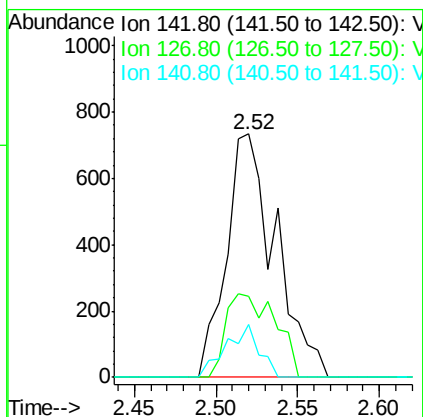
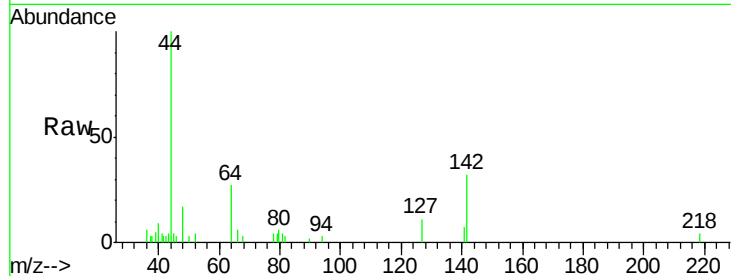
Time-->



#10
Methyl Iodide
Concen: 0.65 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

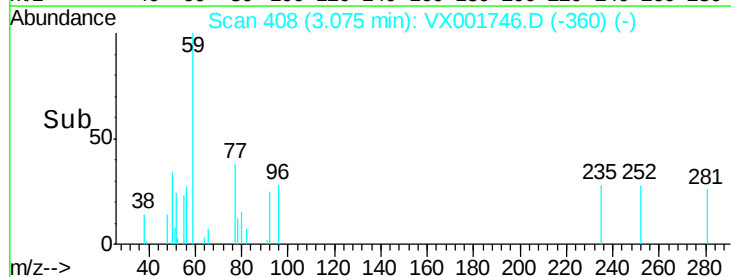
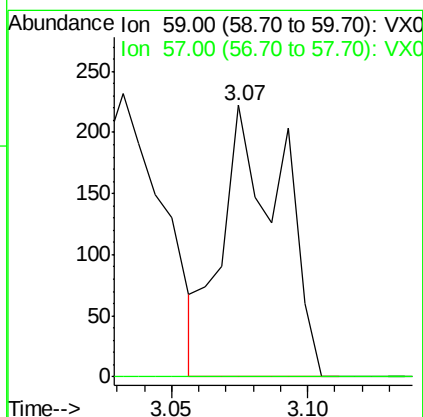
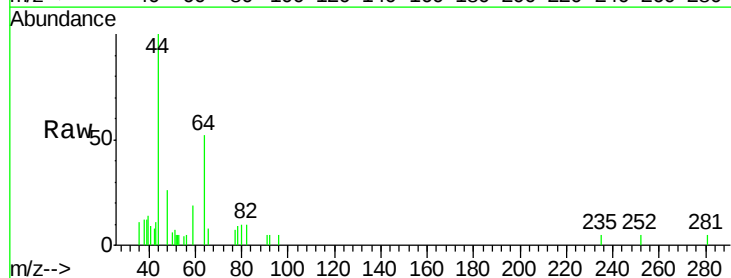
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-180503

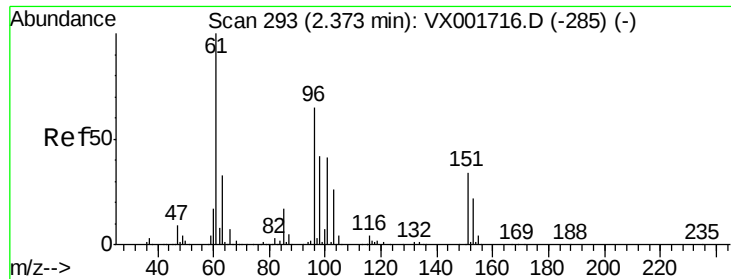
Tgt Ion: 142 Resp: 1531
Ion Ratio Lower Upper
142 100
127 34.6 32.5 48.7
141 14.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.57 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

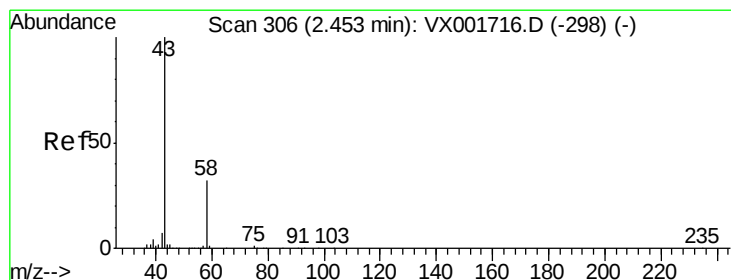
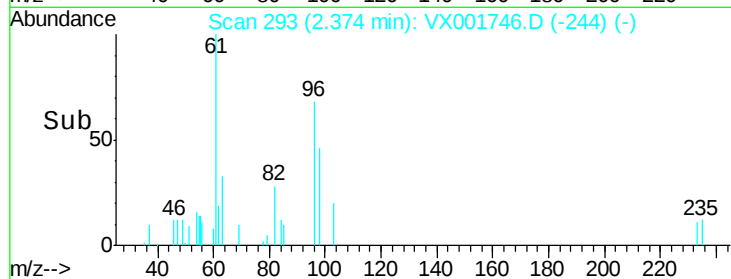
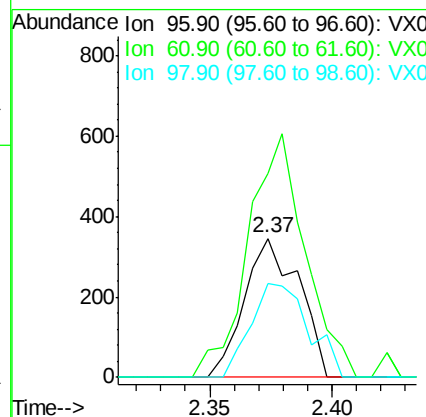
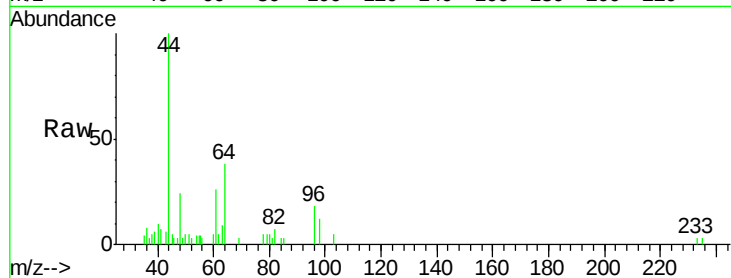




#12
 1,1-Dichloroethene
 Concen: 0.22 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001746.D
 Acq: 15 May 2018 15:35

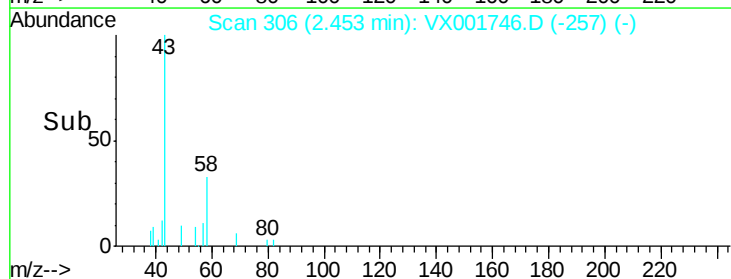
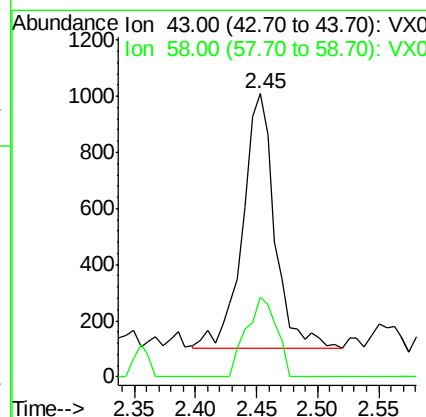
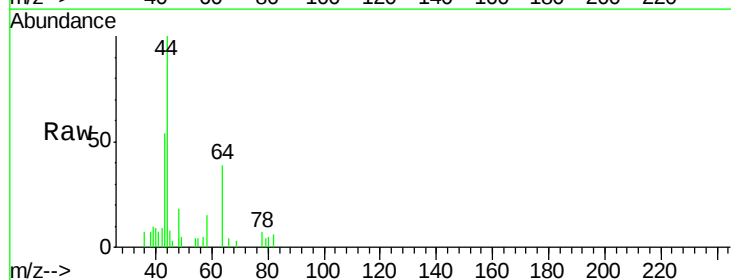
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW071-180503

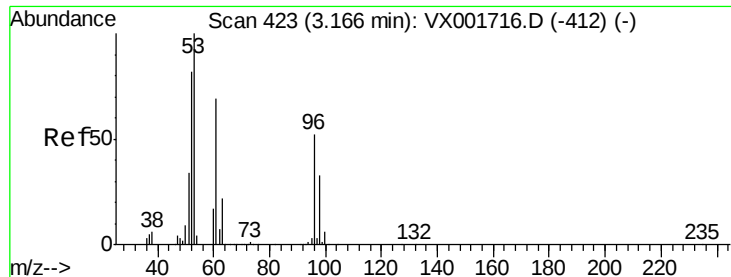
Tgt Ion: 96 Resp: 538
 Ion Ratio Lower Upper
 96 100
 61 147.0 122.2 183.2
 98 67.8 51.4 77.0



#16
 Acetone
 Concen: 1.26 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX001746.D
 Acq: 15 May 2018 15:35

Tgt Ion: 43 Resp: 1661
 Ion Ratio Lower Upper
 43 100
 58 31.2 25.3 37.9





#21

trans-1,2-Dichloroethene

Concen: 0.20 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-180503

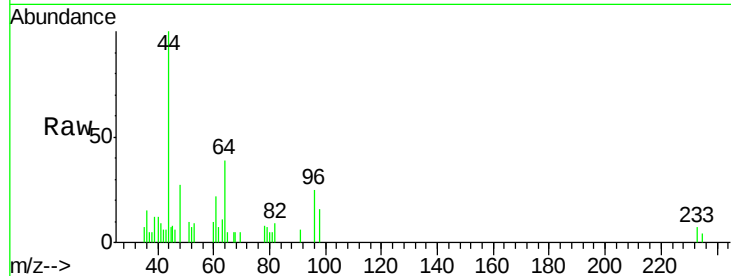
Tgt Ion: 96 Resp: 549

Ion Ratio Lower Upper

96 100

61 88.2 105.8 158.8#

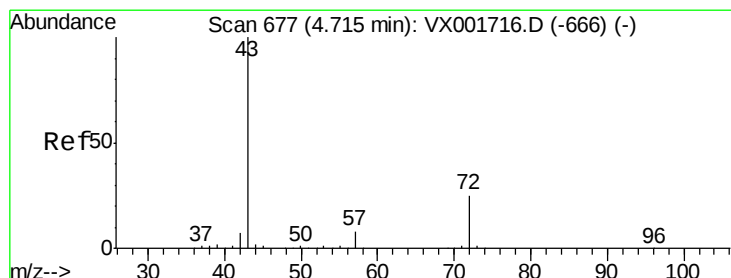
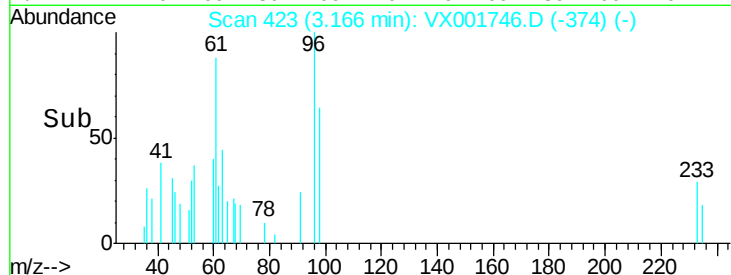
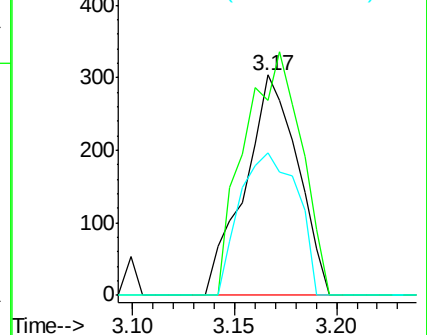
98 64.5 50.2 75.4



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



#25

2-Butanone

Concen: 0.28 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001746.D

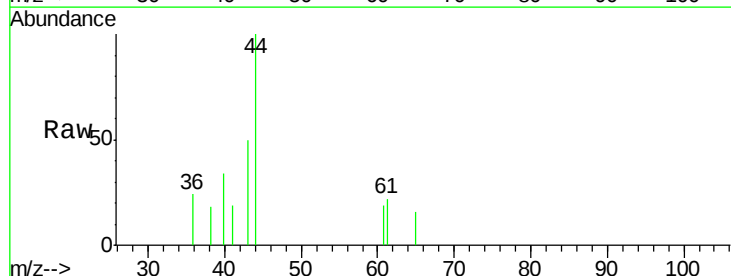
Acq: 15 May 2018 15:35

Tgt Ion: 43 Resp: 557

Ion Ratio Lower Upper

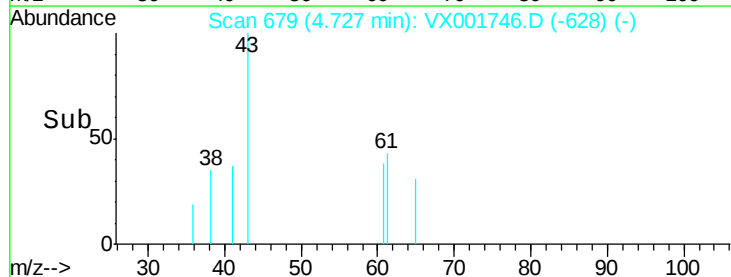
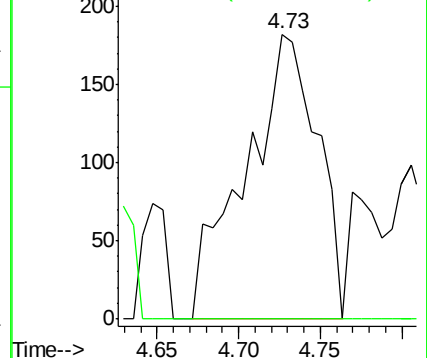
43 100

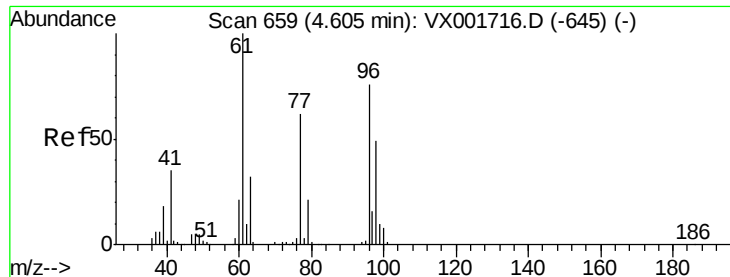
72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 18.83 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

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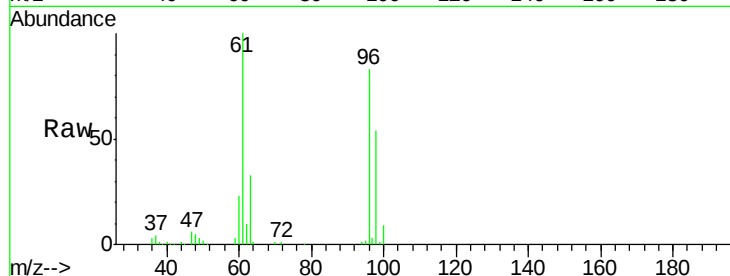
Tgt Ion: 96 Resp: 58605

Ion Ratio Lower Upper

96 100

61 126.6 0.0 280.4

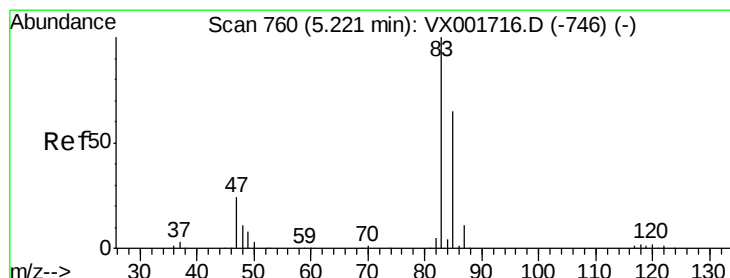
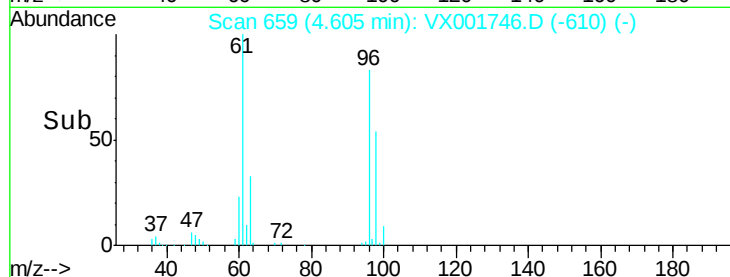
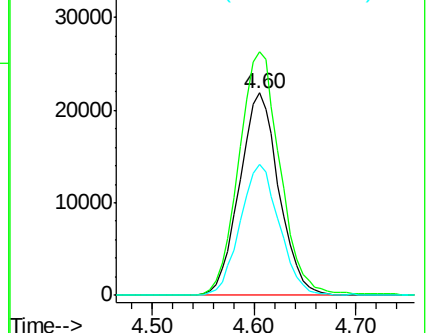
98 64.3 0.0 128.4



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



#30

Chloroform

Concen: 0.62 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX001746.D

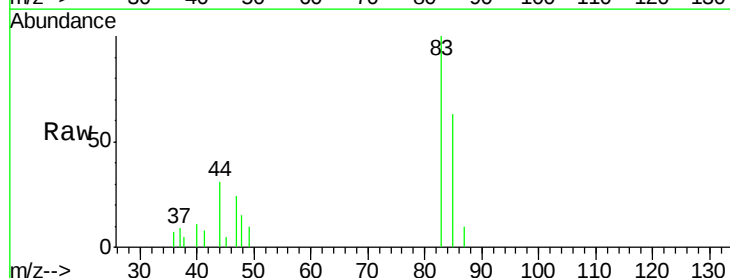
Acq: 15 May 2018 15:35

Tgt Ion: 83 Resp: 3132

Ion Ratio Lower Upper

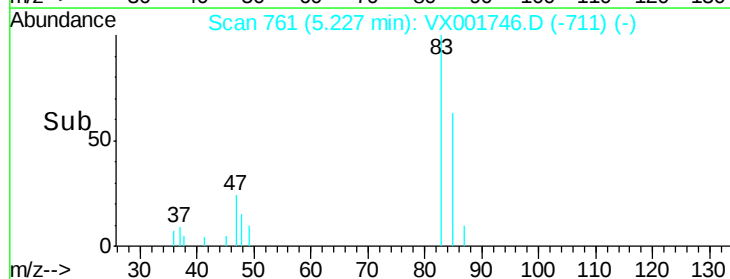
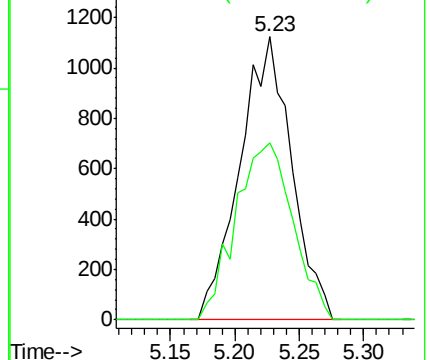
83 100

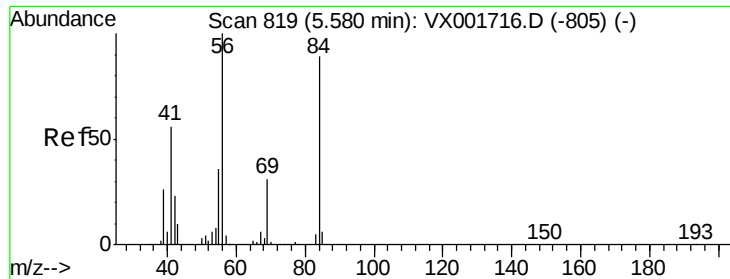
85 62.6 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

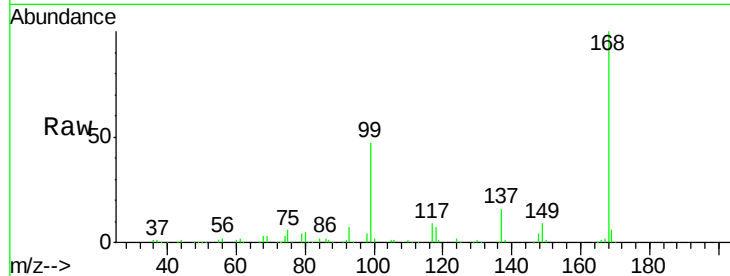




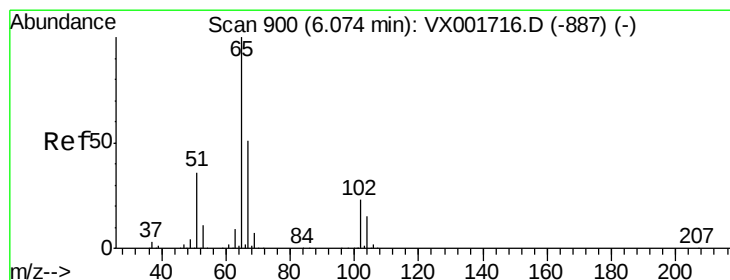
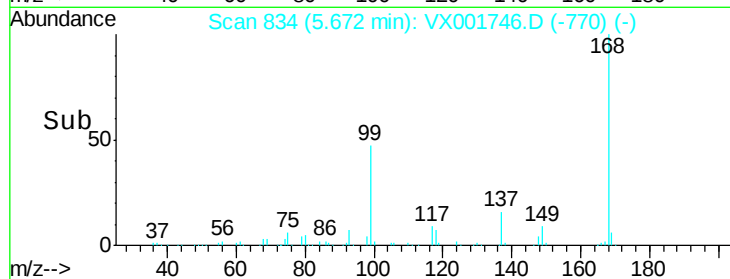
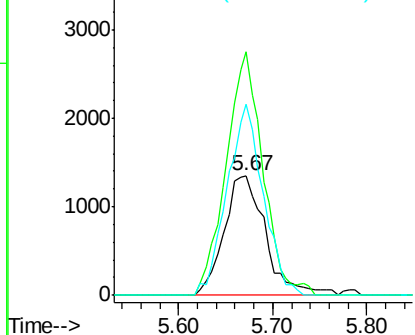
#31
Cyclohexane
Concen: 0.98 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-180503

Tgt Ion: 56 Resp: 4139
Ion Ratio Lower Upper
56 100
69 202.9 25.0 37.6#
84 158.8 71.0 106.4#

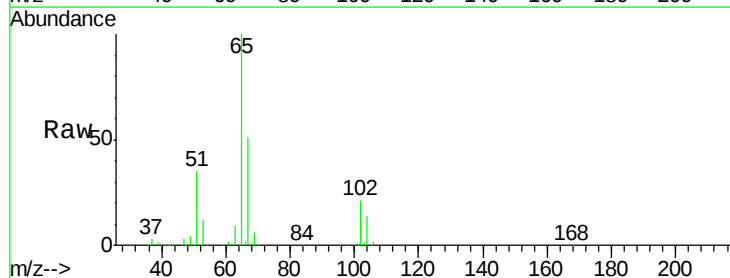


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

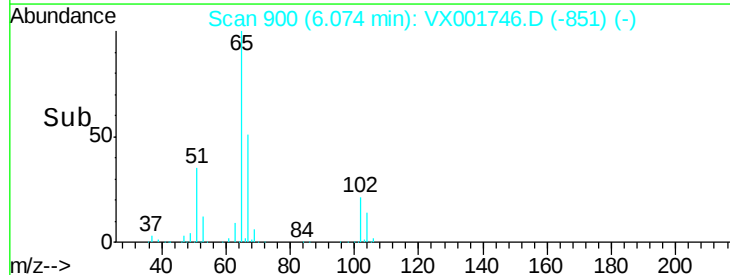
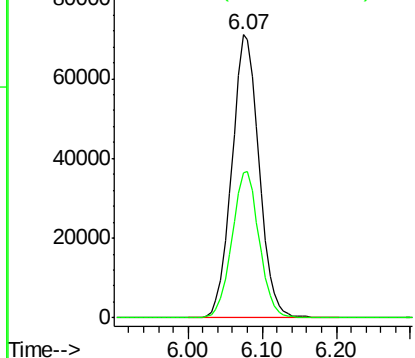


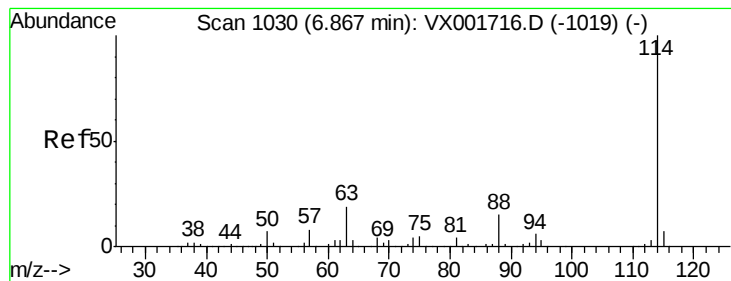
#33
1,2-Dichloroethane-d4
Concen: 54.15 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Tgt Ion: 65 Resp: 182354
Ion Ratio Lower Upper
65 100
67 51.5 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: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-180503

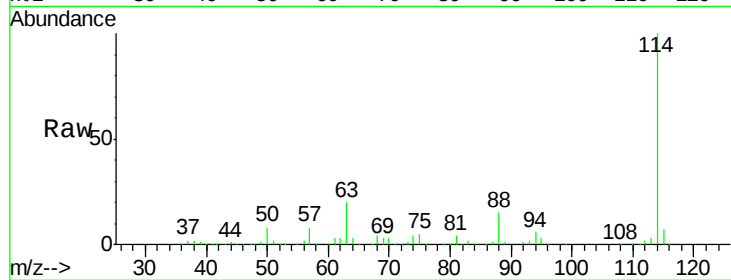
Tgt Ion:114 Resp: 336865

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.0

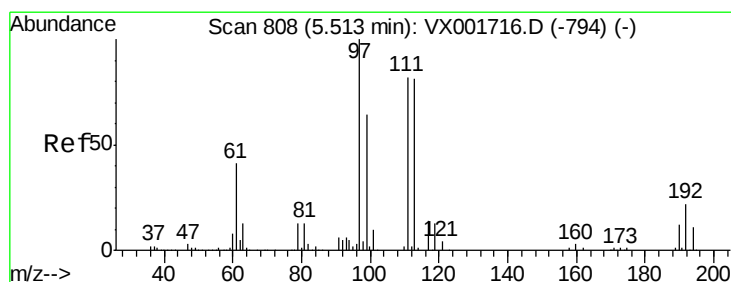
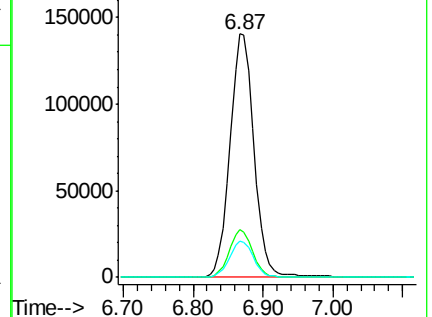
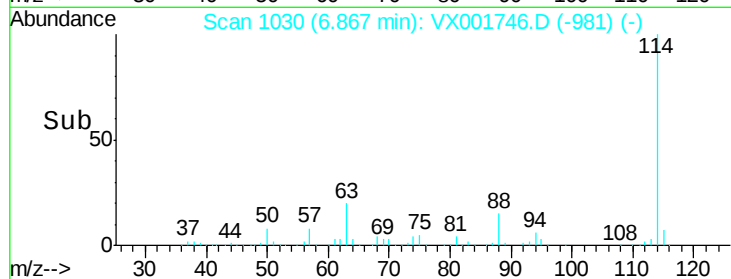
88 15.1 0.0 29.8



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: 52.68 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

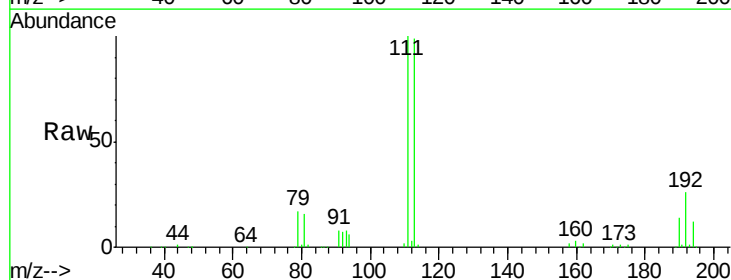
Tgt Ion:113 Resp: 149761

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

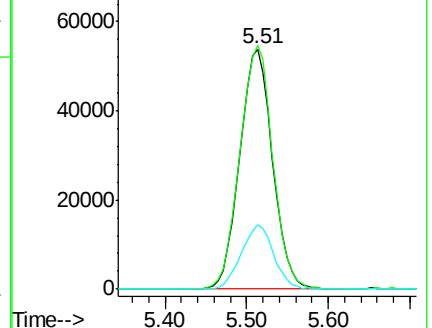
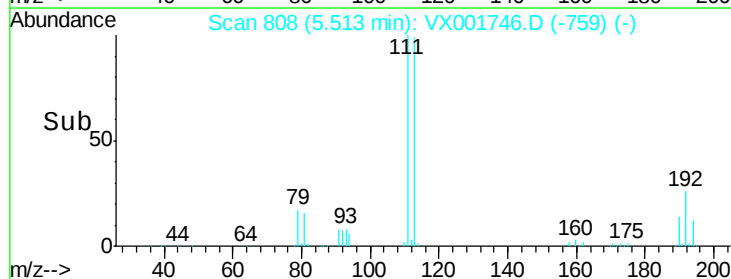
192 26.5 21.6 32.4

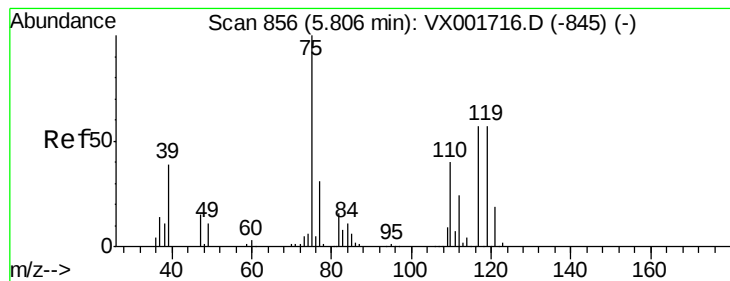


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.91 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-180503

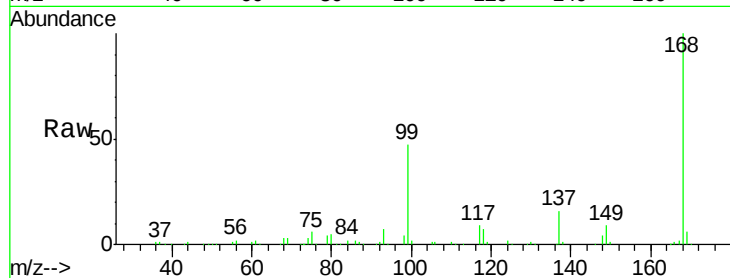
Tgt Ion: 75 Resp: 15174

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.1#

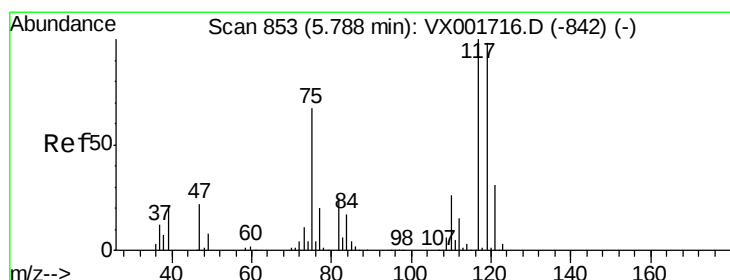
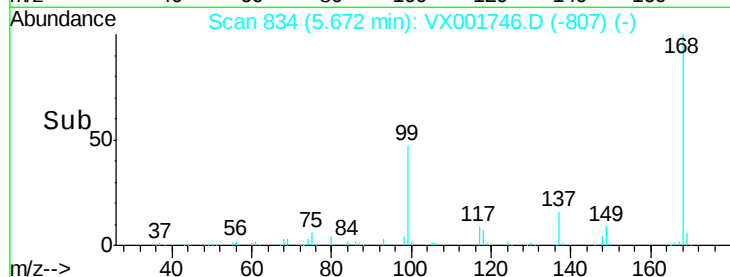
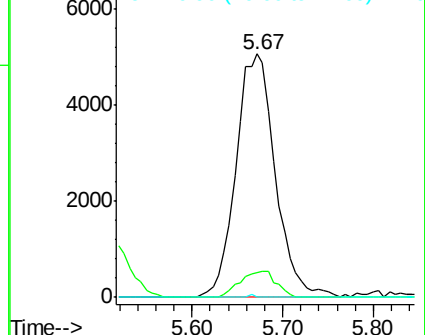
77 0.1 24.6 37.0#



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



#38

Carbon Tetrachloride

Concen: 5.37 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

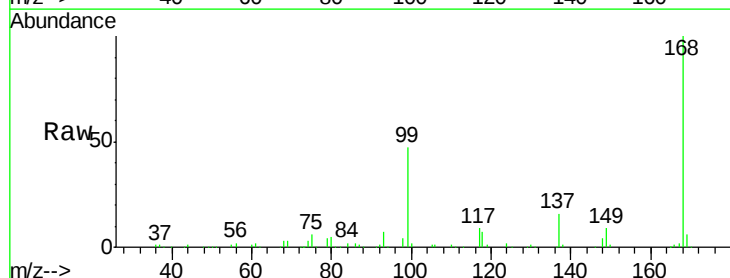
Tgt Ion: 117 Resp: 21831

Ion Ratio Lower Upper

117 100

119 6.0 77.6 116.4#

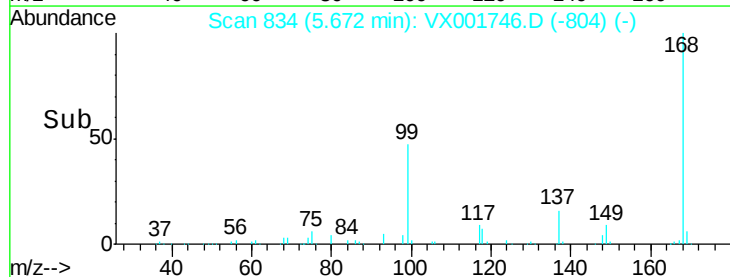
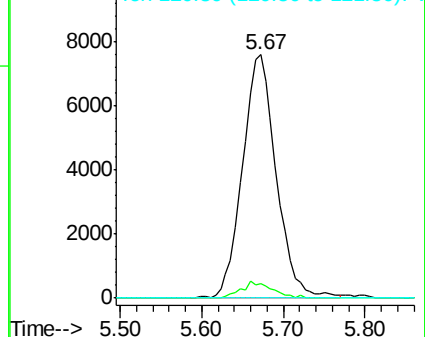
121 0.0 24.6 36.8#

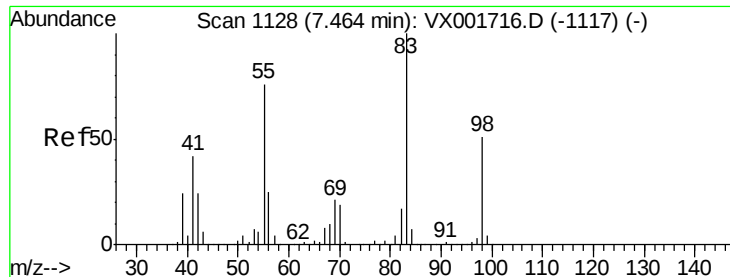


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

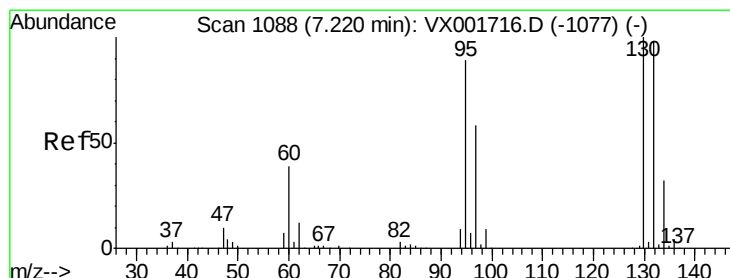
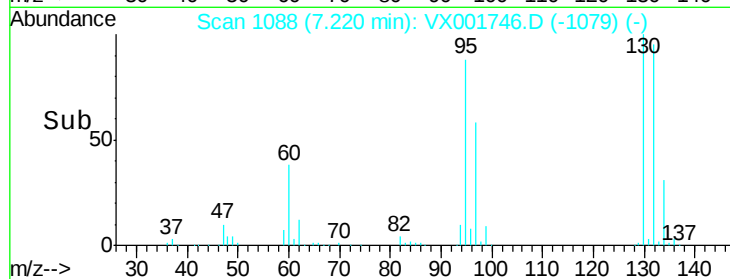
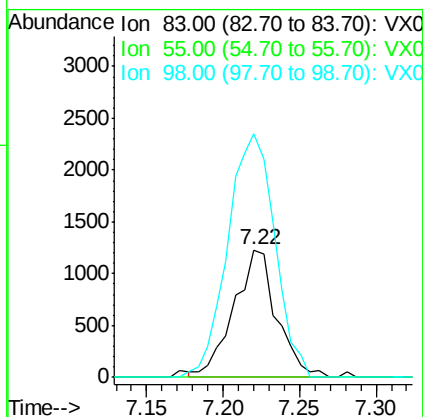
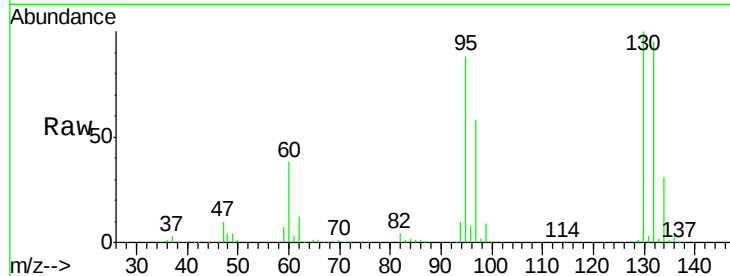




#39
Methylcyclohexane
Concen: 0.53 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.24 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

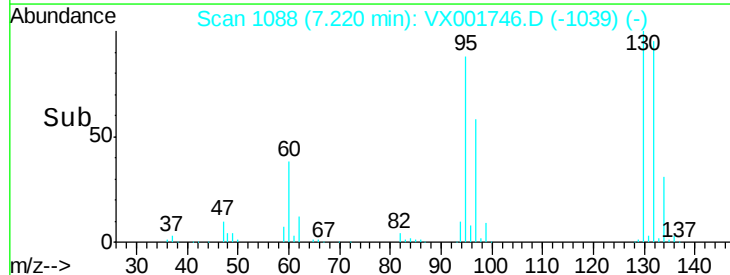
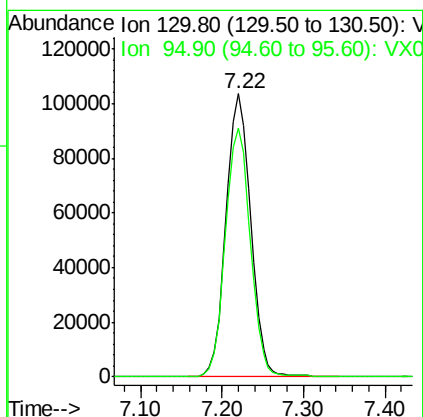
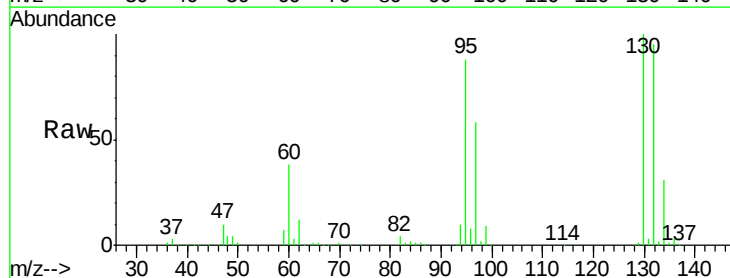
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-180503

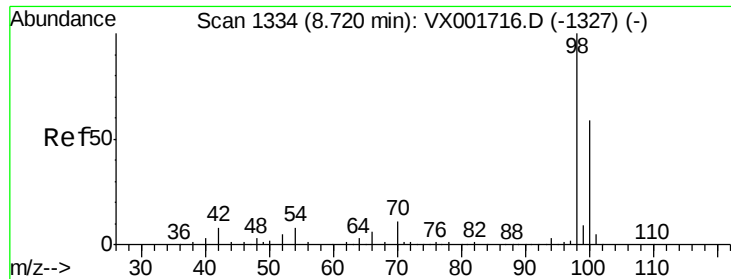
Tgt Ion: 83 Resp: 2396
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 191.1 40.4 60.6#



#44
Trichloroethene
Concen: 61.30 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Tgt Ion: 130 Resp: 217389
Ion Ratio Lower Upper
130 100
95 88.1 0.0 177.2

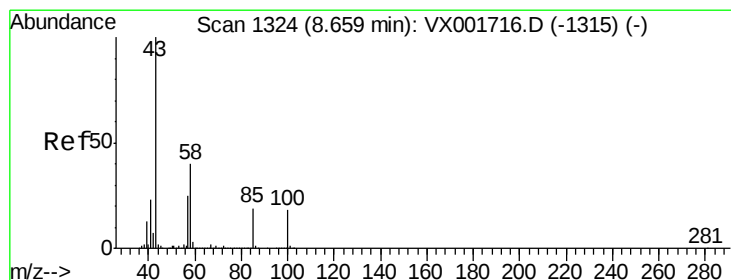
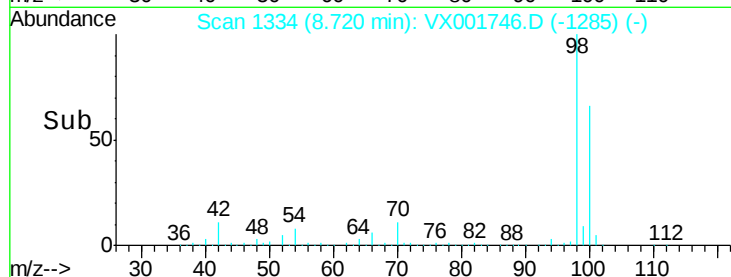
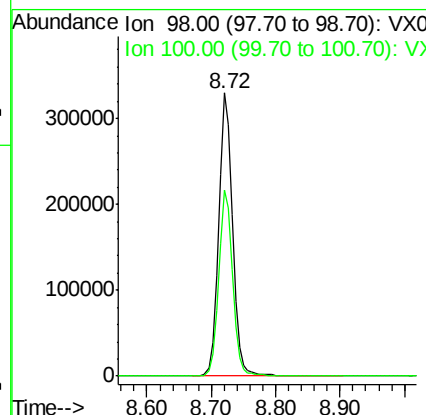
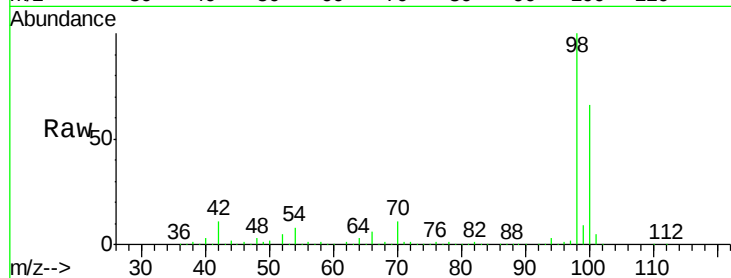




#50
Toluene-d8
Concen: 49.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

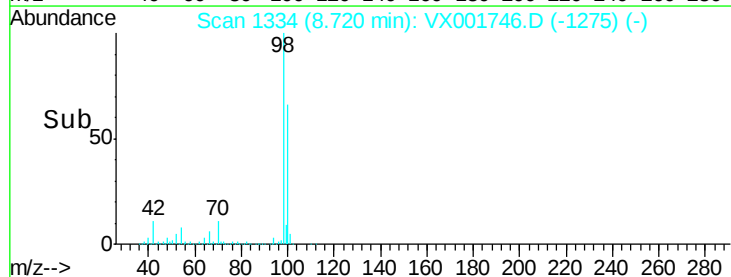
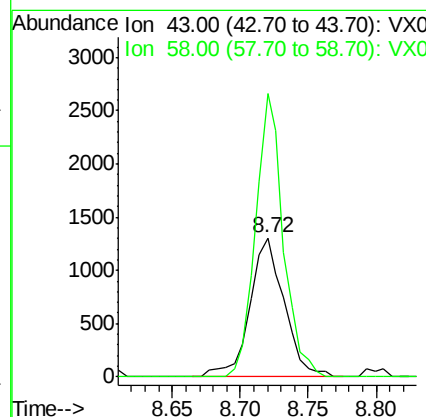
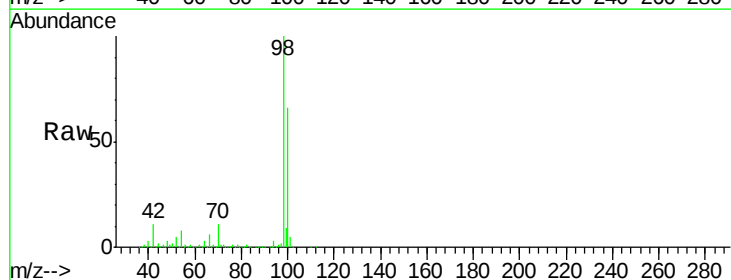
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-180503

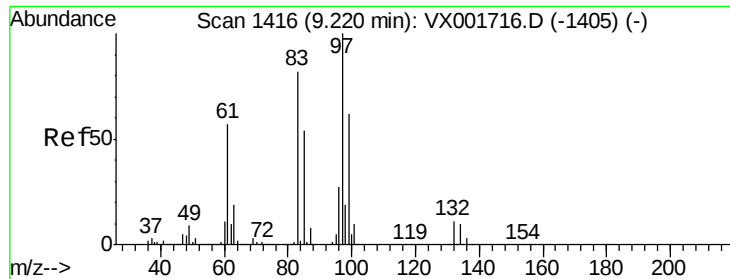
Tgt Ion: 98 Resp: 504087
Ion Ratio Lower Upper
98 100
100 65.9 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.58 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
58 164.7 31.4 47.0#

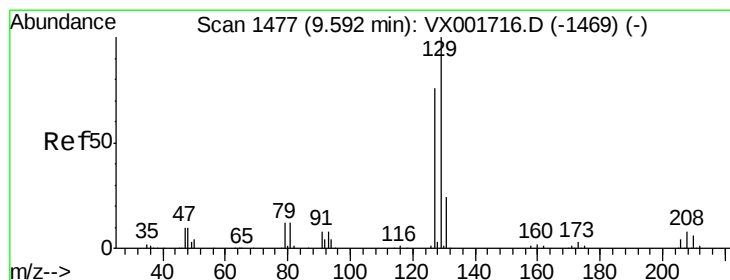
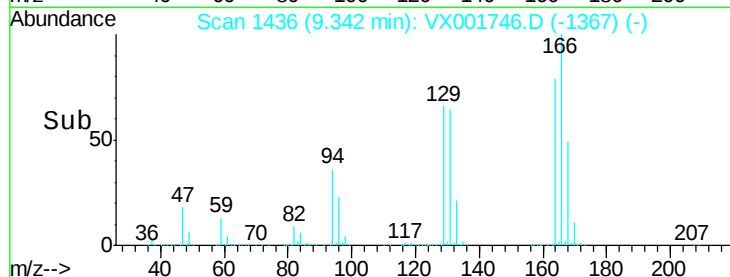
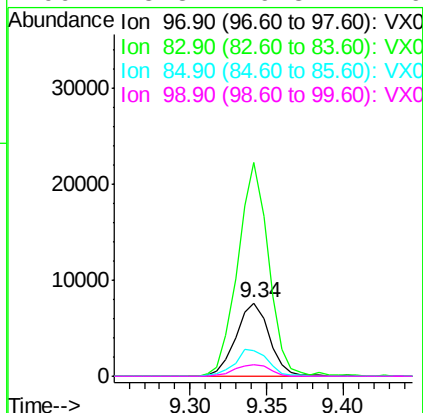
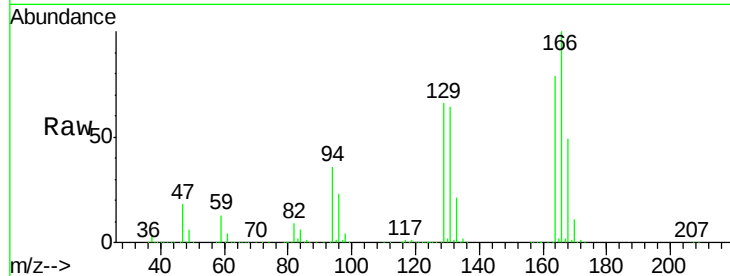




#55
 1,1,2-Trichloroethane
 Concen: 4.12 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: VX001746.D
 Acq: 15 May 2018 15:35

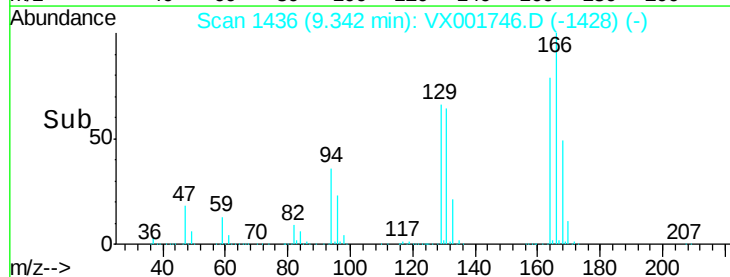
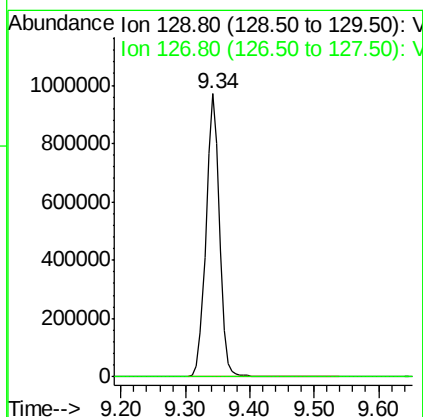
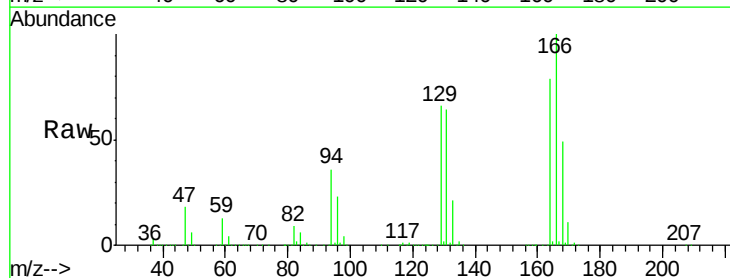
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW071-180503

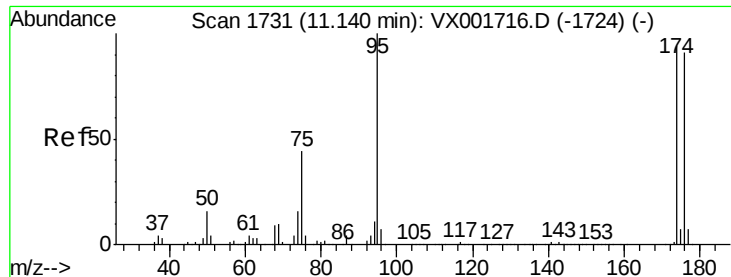
Tgt Ion: 97 Resp: 11575
 Ion Ratio Lower Upper
 97 100
 83 290.2 65.8 98.8#
 85 35.7 43.4 65.0#
 99 15.8 49.8 74.6#



#60
 Dibromochloromethane
 Concen: 489.82 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001746.D
 Acq: 15 May 2018 15:35

Tgt Ion: 129 Resp: 1407601
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

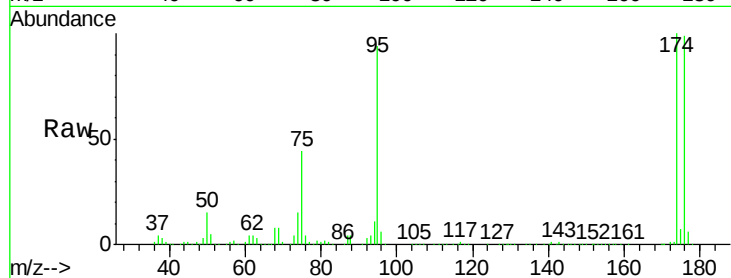




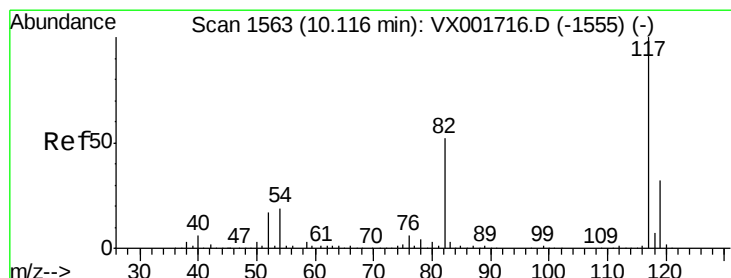
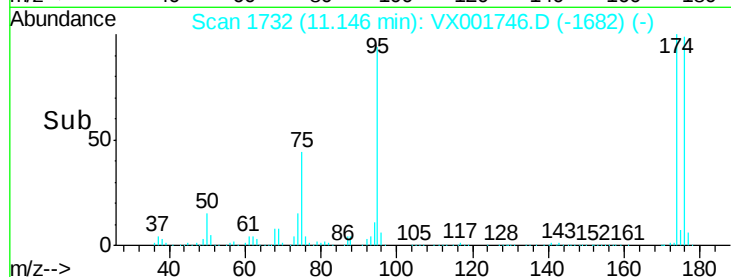
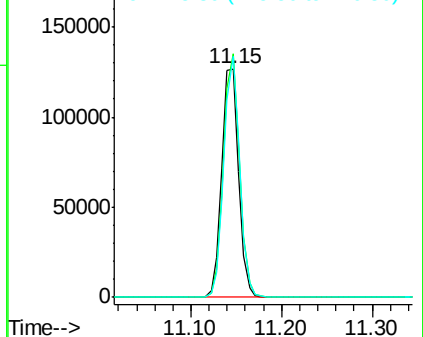
#62
4-Bromofluorobenzene
Concen: 45.15 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-180503

Tgt Ion: 95 Resp: 165526
Ion Ratio Lower Upper
95 100
174 101.6 0.0 201.8
176 98.9 0.0 196.8

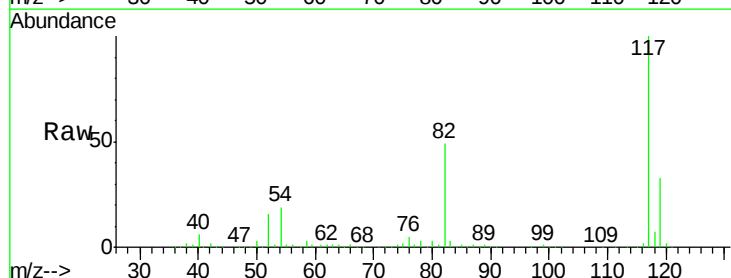


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

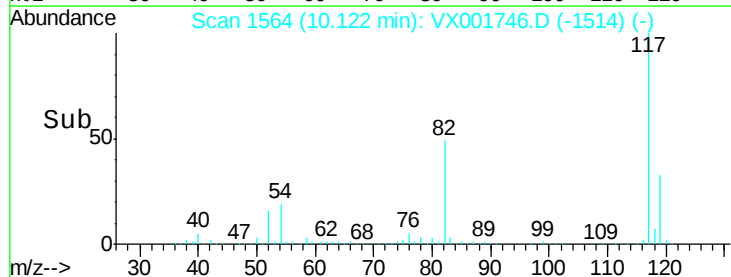
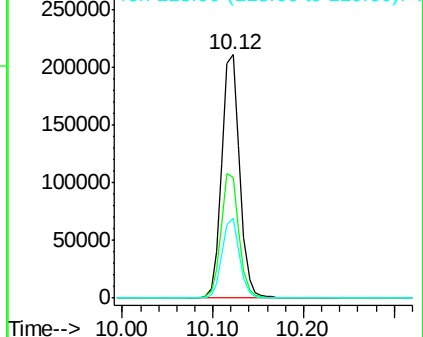


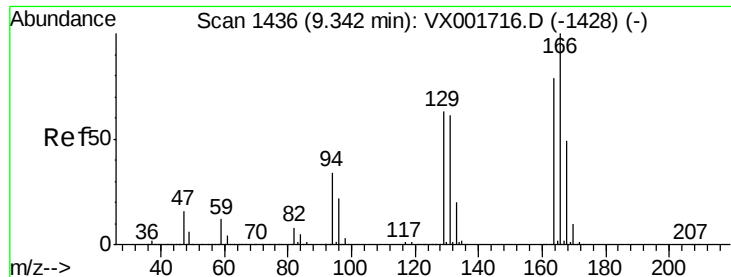
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001746.D
Acq: 15 May 2018 15:35

Tgt Ion: 117 Resp: 290590
Ion Ratio Lower Upper
117 100
82 49.5 41.4 62.2
119 32.5 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: 448.83 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-180503

Tgt Ion:164 Resp: 1697855

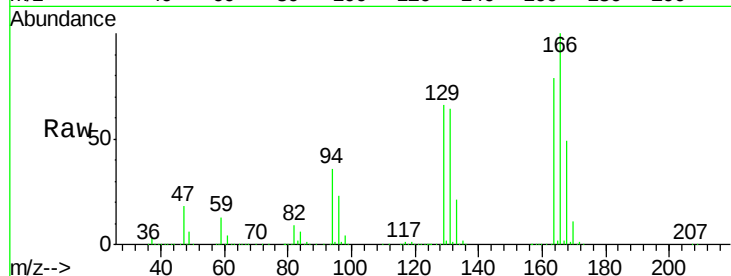
Ion Ratio Lower Upper

164 100

166 126.7 101.8 152.8

129 84.1 63.8 95.6

131 81.1 62.2 93.2

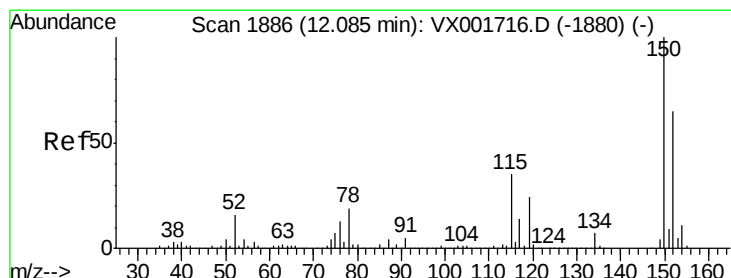
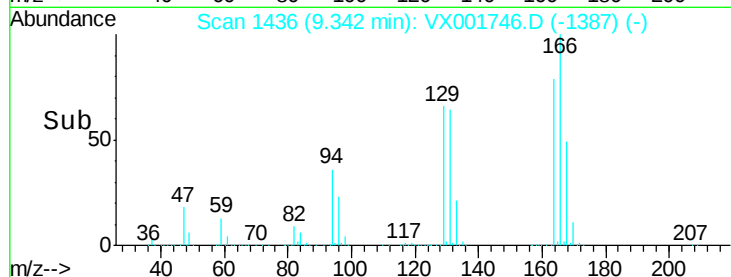
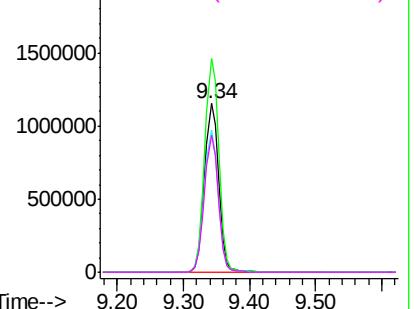


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX001746.D

Acq: 15 May 2018 15:35

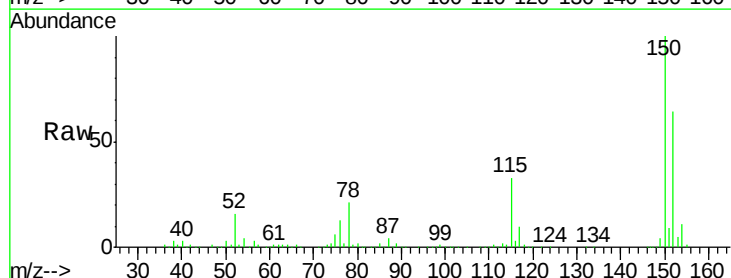
Tgt Ion:152 Resp: 151418

Ion Ratio Lower Upper

152 100

115 52.5 37.4 112.2

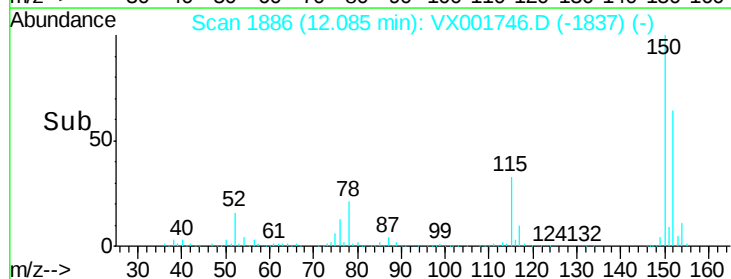
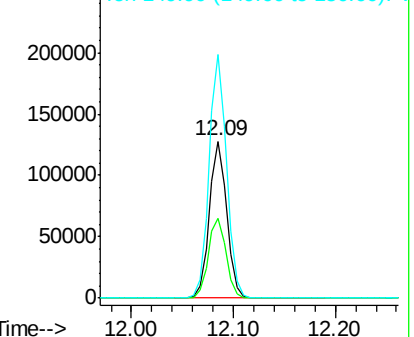
150 156.0 0.0 344.8

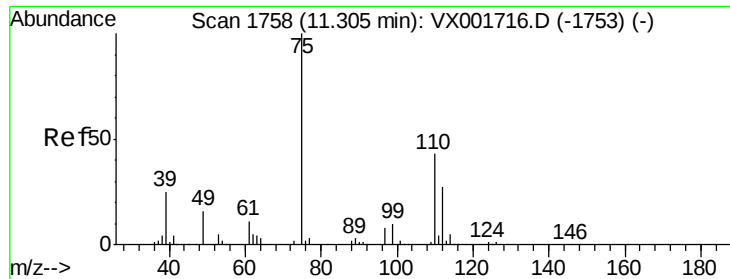


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

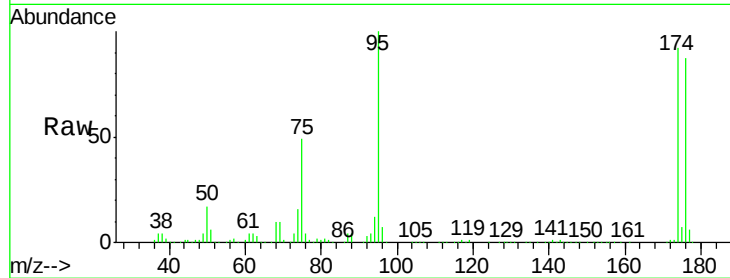
KY062MW071-180503

Tgt Ion: 75 Resp: 78865

Ion Ratio Lower Upper

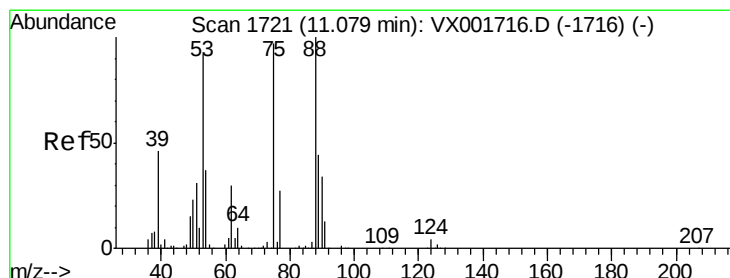
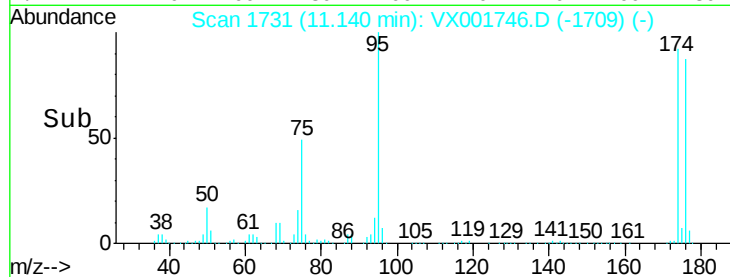
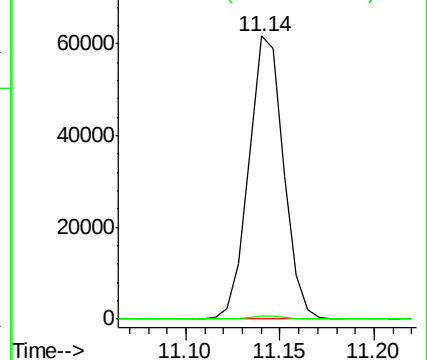
75 100

77 1.2 18.9 56.7#



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: 79.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001746.D

Acq: 15 May 2018 15:35

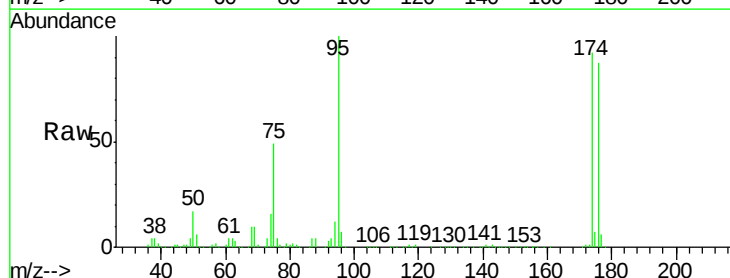
Tgt Ion: 75 Resp: 78865

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

