

Data File : VX001724.D
Acq On : 14 May 2018 22:16
Operator : JC/MD
Sample : J2833-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Time: May 15 05:40:00 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	277181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375893	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198887	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	173311	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	5.51	113	141243	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
50) Toluene-d8	8.72	98	517966	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.14	95	172429	42.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.30%	

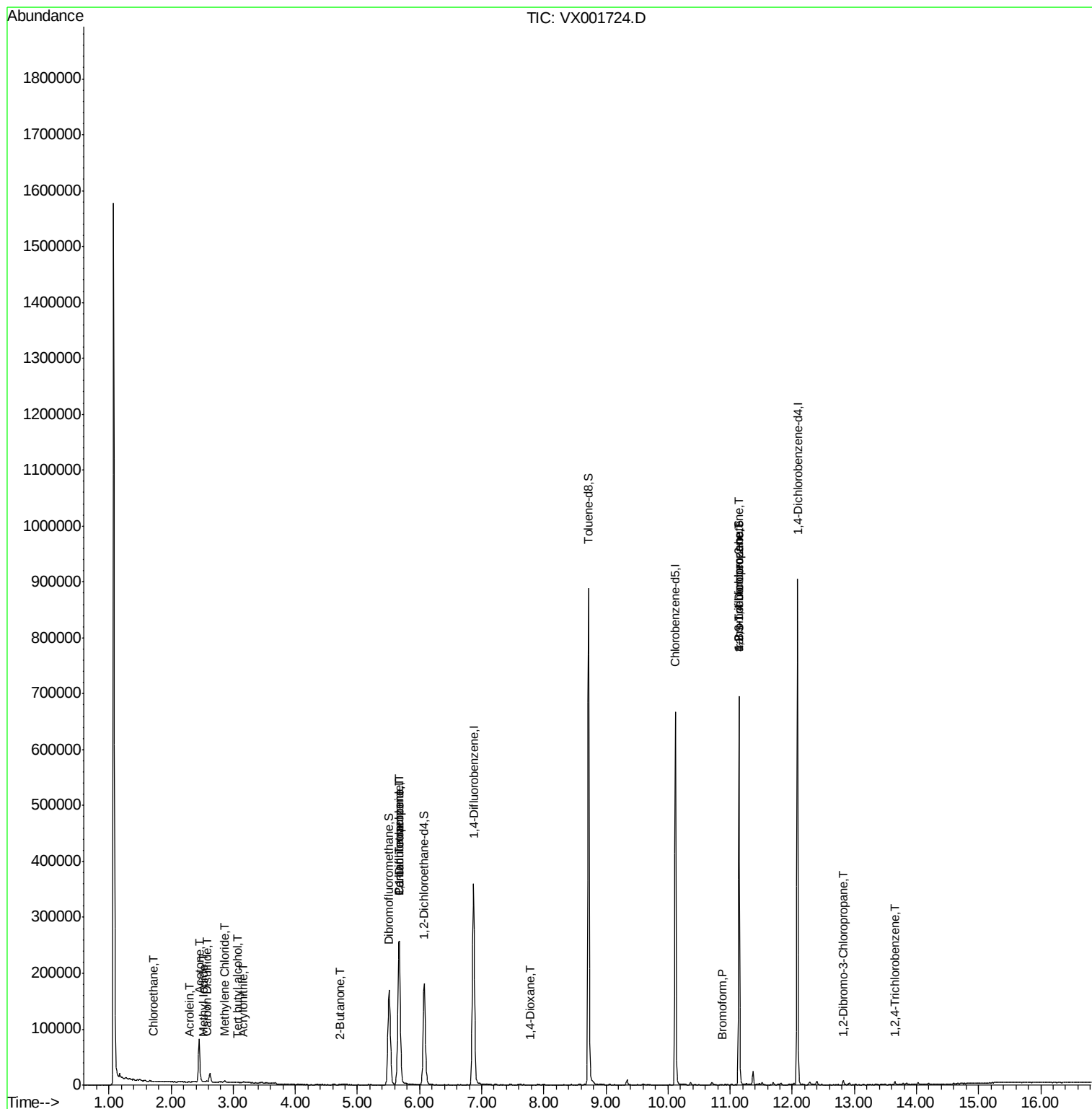
Target Compounds				Qvalue		
5) Bromomethane	1.66	94	858	Below Cal	#	68
6) Chloroethane	1.72	64	486	0.24	ug/l #	43
10) Methyl Iodide	2.53	142	574	0.22	ug/l #	77
11) Tert butyl alcohol	3.08	59	893	1.35	ug/l #	88
13) Acrolein	2.31	56	182	0.39	ug/l #	15
15) Acrylonitrile	3.15	53	549	0.33	ug/l #	43
16) Acetone	2.45	43	83374	57.14	ug/l	97
17) Carbon Disulfide	2.57	76	2304	0.32	ug/l	97
20) Methylene Chloride	2.86	84	1207	0.39	ug/l	94
25) 2-Butanone	4.71	43	739	0.33	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	16221	3.75	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23428	5.17	ug/l #	15
49) 1,4-Dioxane	7.78	88	39	0.55	ug/l #	33
71) Bromoform	10.86	173	44	2.94	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	81869	21.65	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	81869	63.55	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	204	0.24	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1411	0.25	ug/l	87

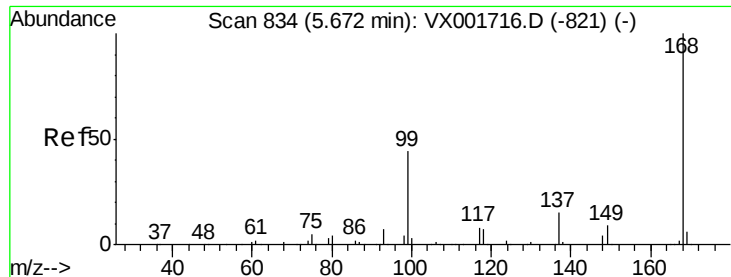
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001724.D

Acq: 14 May 2018 22:16

Instrument :

MSVOA_X

ClientSampled :

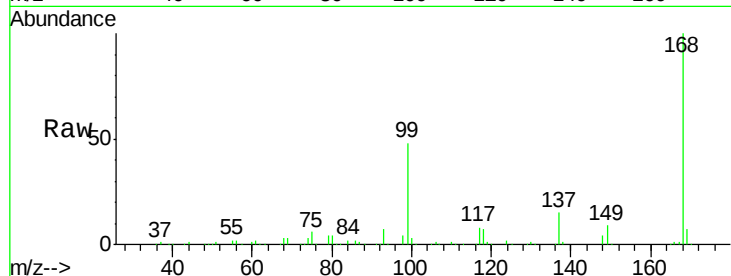
MW-2

Tgt Ion: 168 Resp: 277181

Ion Ratio Lower Upper

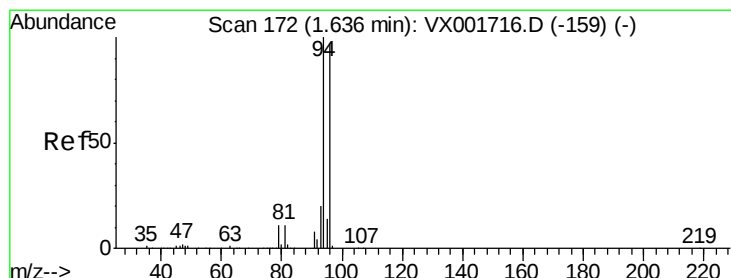
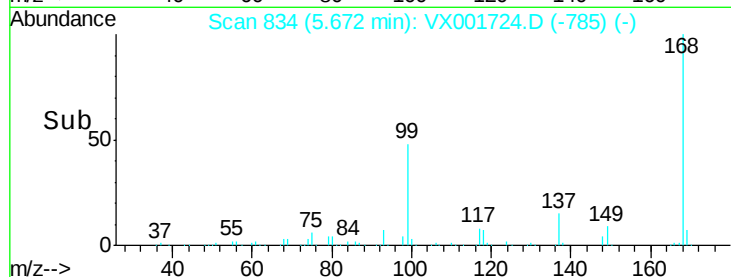
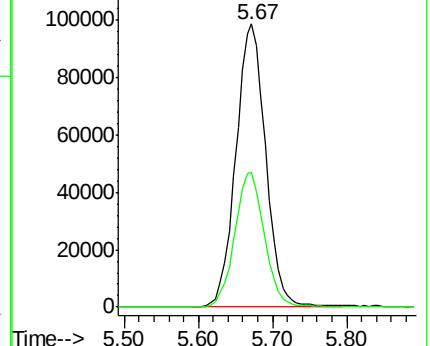
168 100

99 47.7 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001724.D

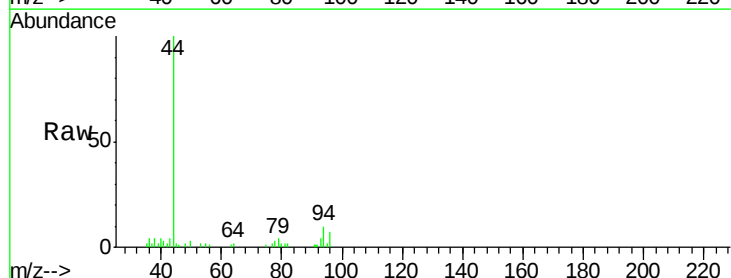
Acq: 14 May 2018 22:16

Tgt Ion: 94 Resp: 858

Ion Ratio Lower Upper

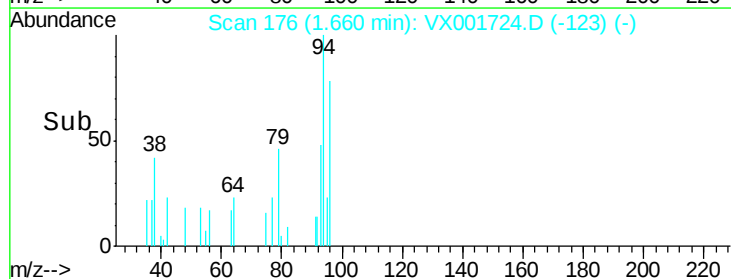
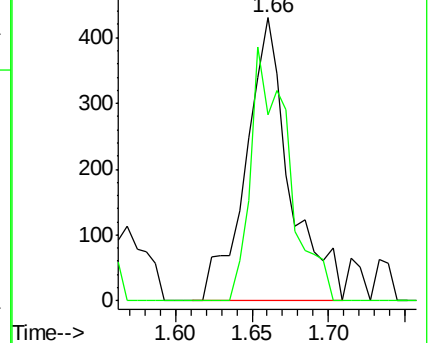
94 100

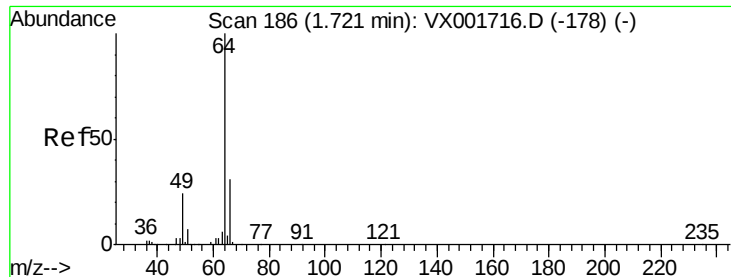
96 65.6 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.24 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

Instrument :

MSVOA_X

ClientSampled :

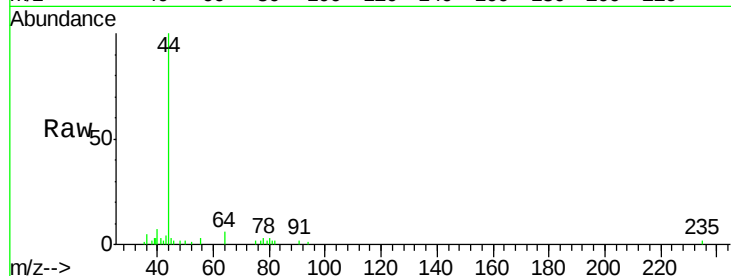
MW-2

Tgt Ion: 64 Resp: 486

Ion Ratio Lower Upper

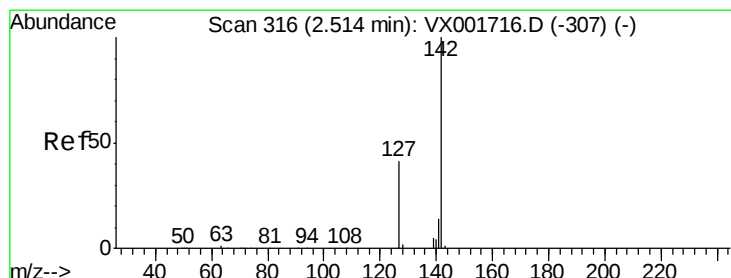
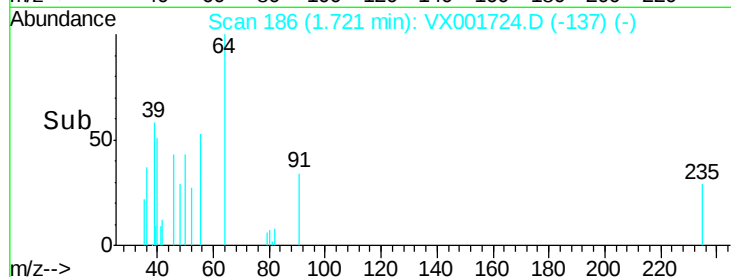
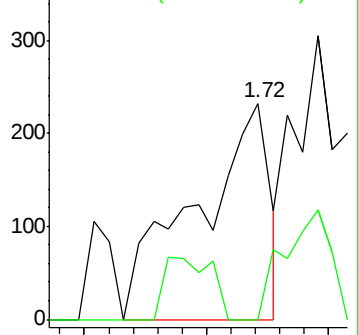
64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

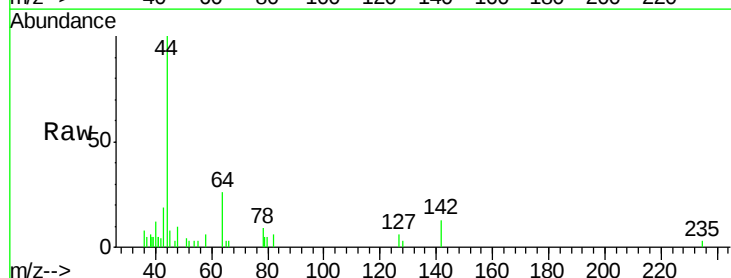
Tgt Ion: 142 Resp: 574

Ion Ratio Lower Upper

142 100

127 52.3 32.5 48.7#

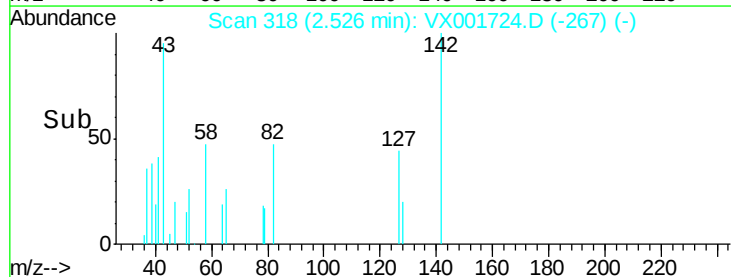
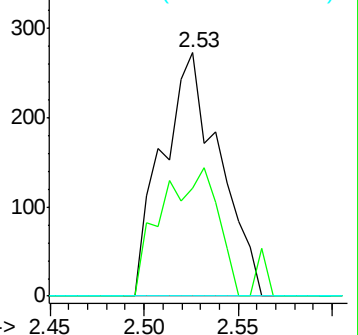
141 0.0 11.4 17.0#

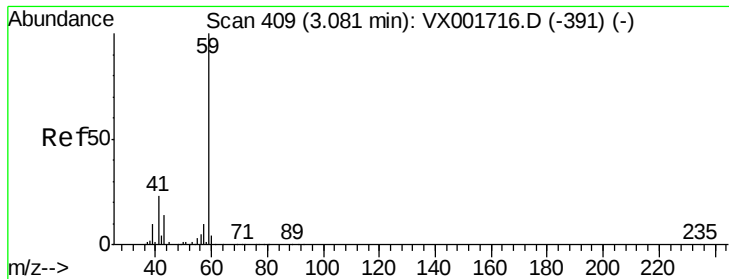


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

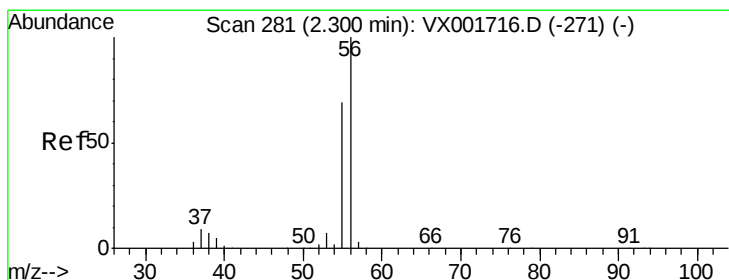
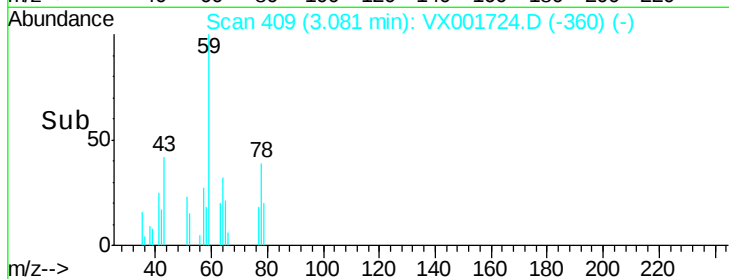
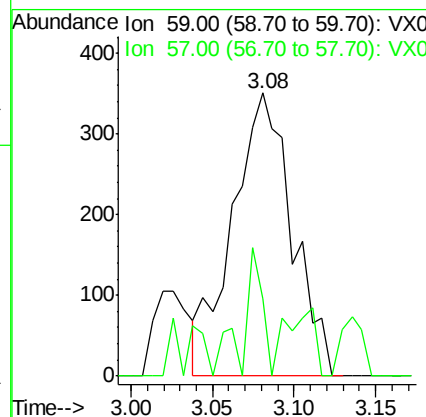
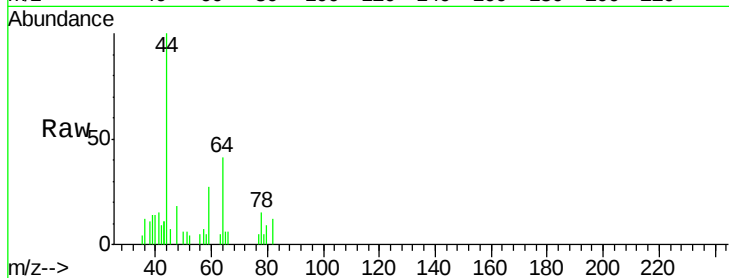




#11
Tert butyl alcohol
Concen: 1.35 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

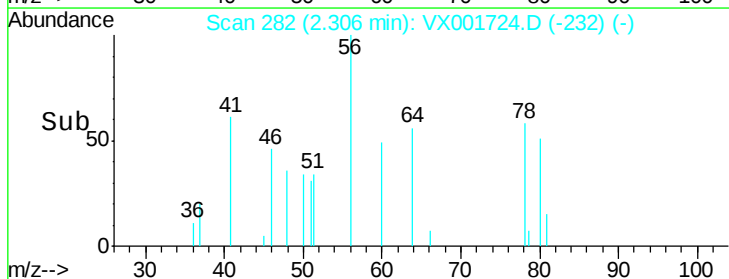
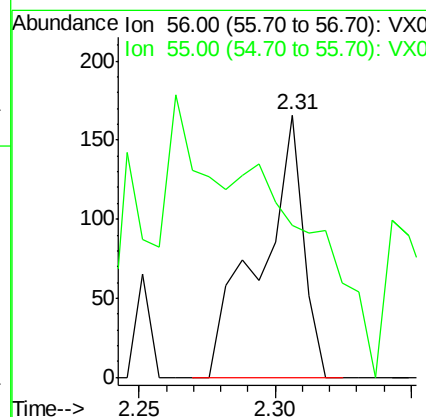
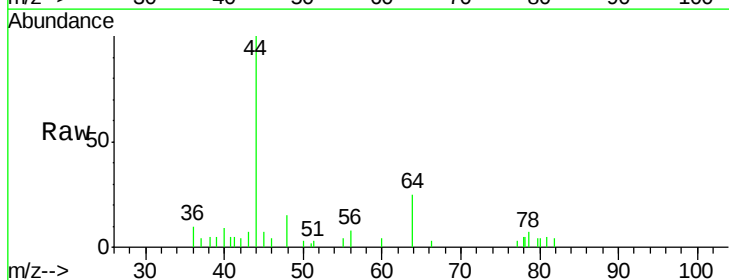
Instrument :
MSVOA_X
ClientSampleId :
MW-2

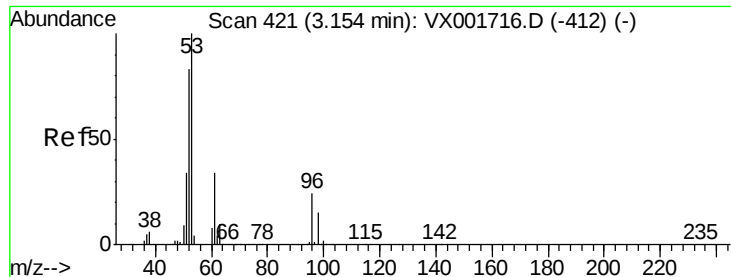
Tgt Ion: 59 Resp: 893
Ion Ratio Lower Upper
59 100
57 15.0 8.5 12.7#



#13
Acrolein
Concen: 0.39 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

MW-2

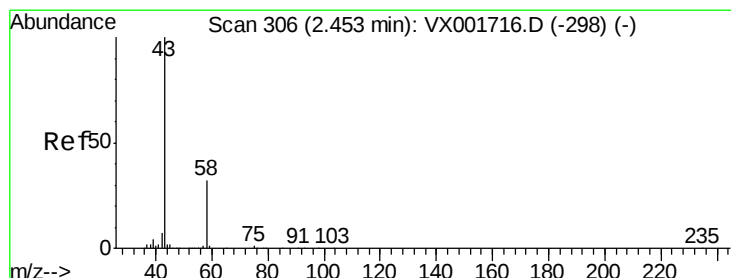
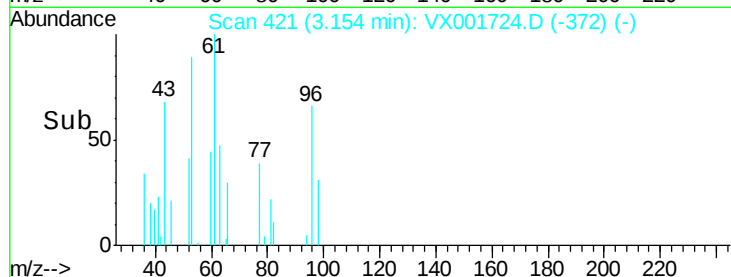
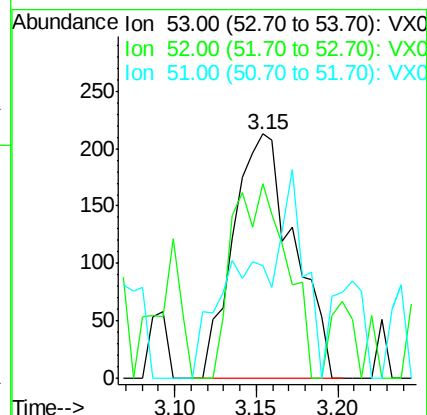
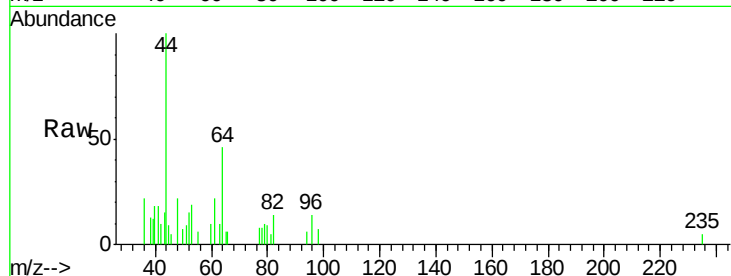
Tgt Ion: 53 Resp: 549

Ion Ratio Lower Upper

53 100

52 32.6 65.6 98.4#

51 0.0 28.1 42.1#



#16

Acetone

Concen: 57.14 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001724.D

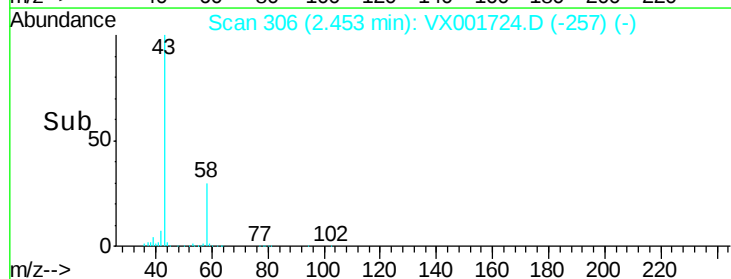
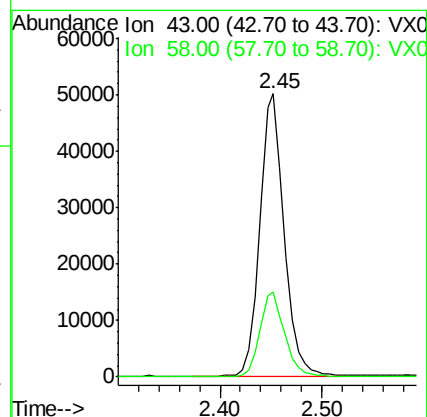
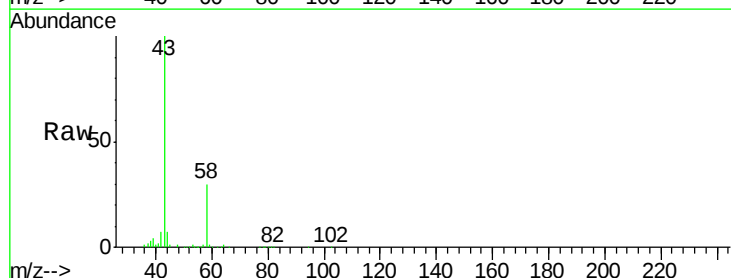
Acq: 14 May 2018 22:16

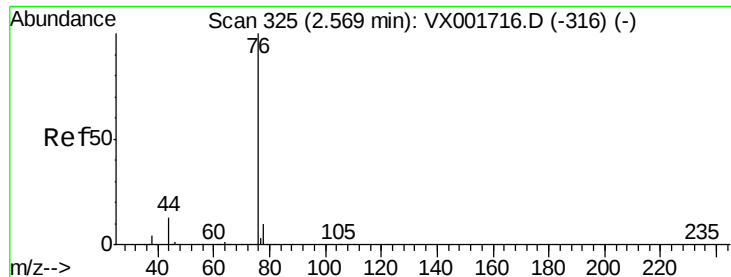
Tgt Ion: 43 Resp: 83374

Ion Ratio Lower Upper

43 100

58 29.9 25.3 37.9

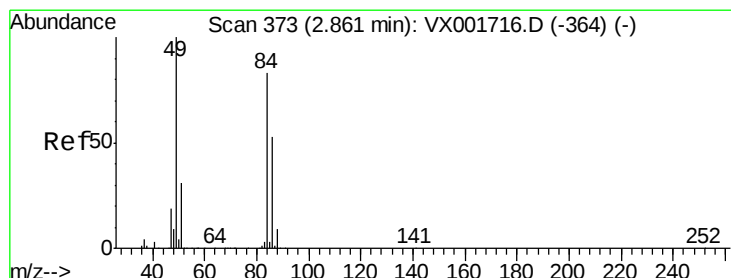
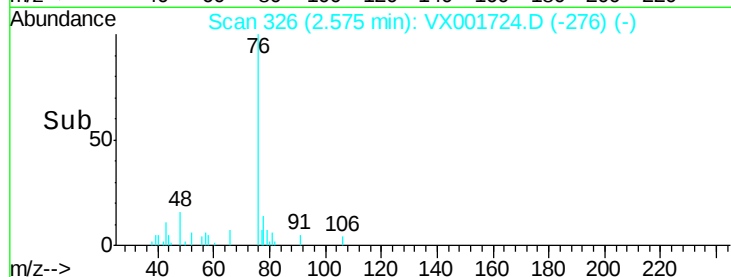
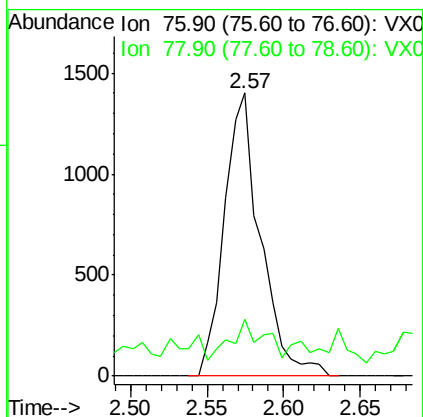
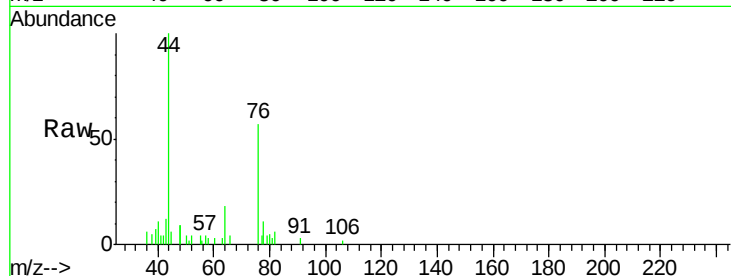




#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

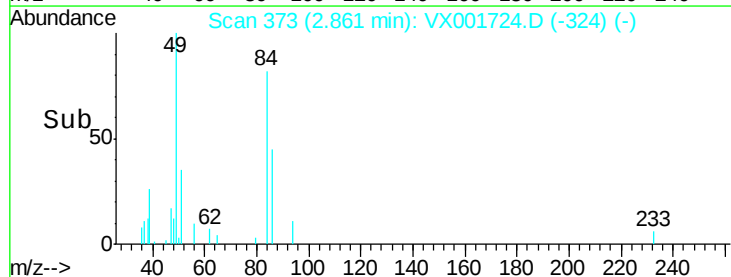
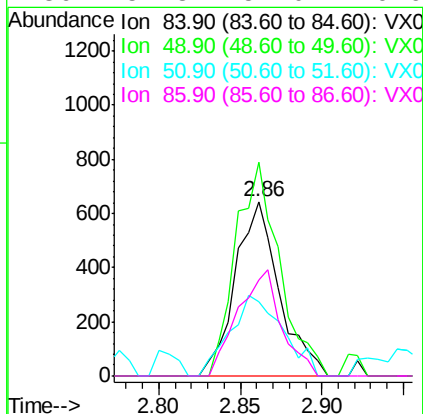
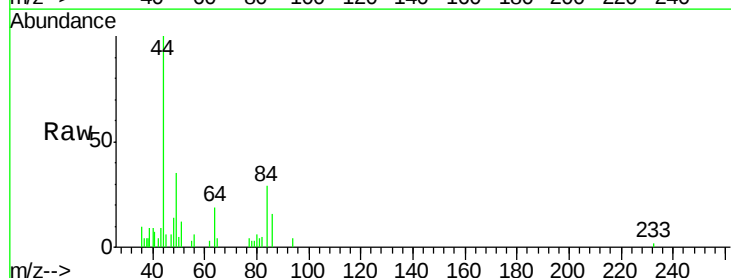
Instrument :
MSVOA_X
ClientSampled :
MW-2

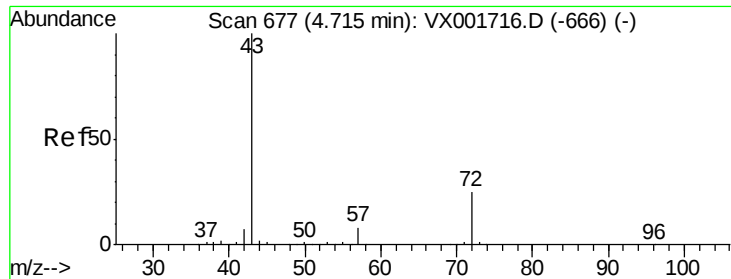
Tgt Ion: 76 Resp: 2304
Ion Ratio Lower Upper
76 100
78 10.6 7.6 11.4



#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

Tgt Ion: 84 Resp: 1207
Ion Ratio Lower Upper
84 100
49 122.5 96.3 144.5
51 42.7 29.8 44.6
86 54.8 51.0 76.6

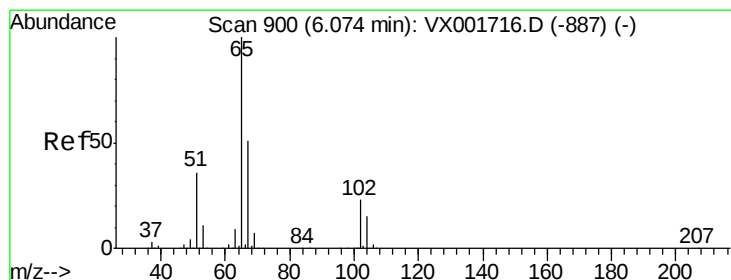
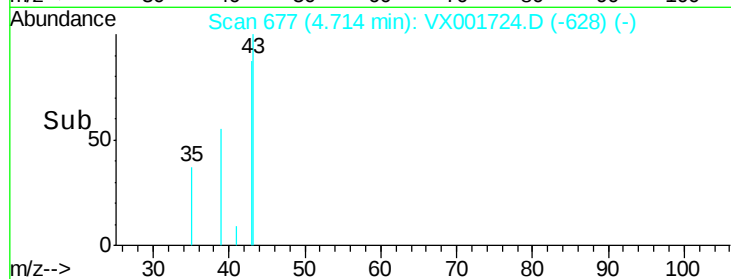
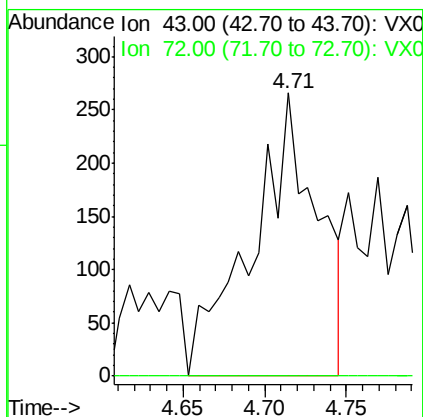
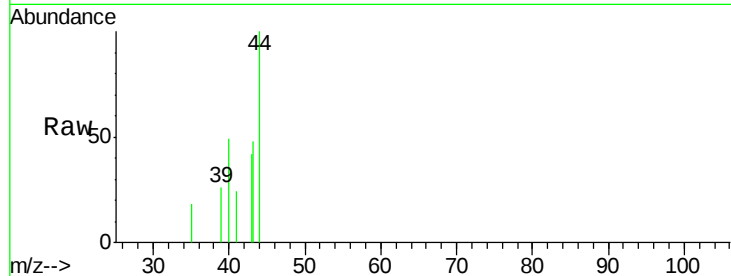




#25
2-Butanone
Concen: 0.33 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

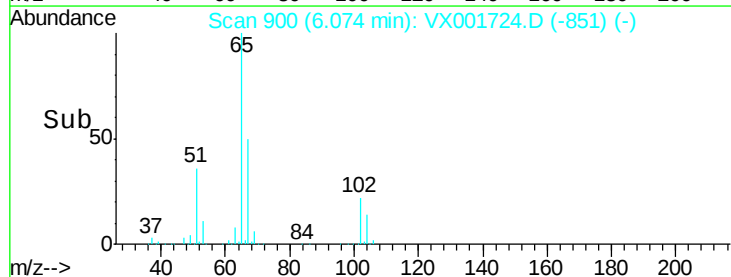
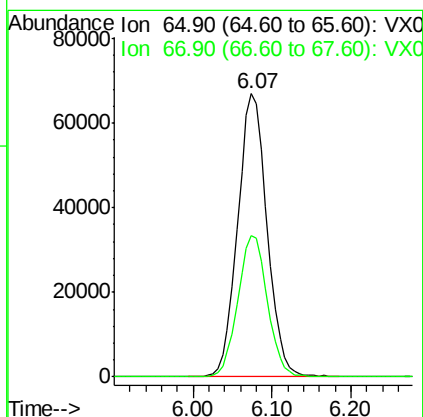
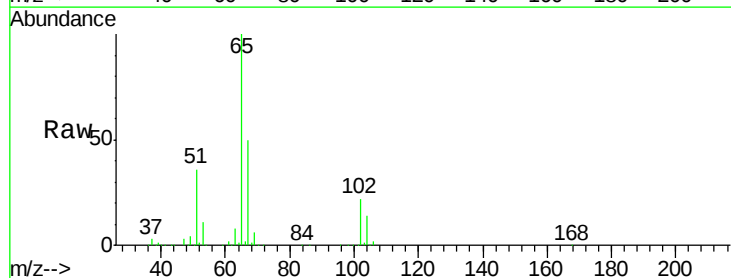
Instrument :
MSVOA_X
ClientSampled :
MW-2

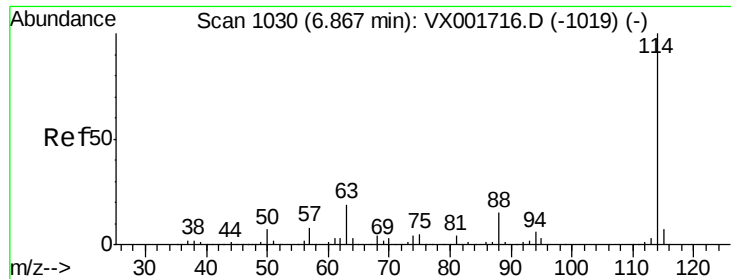
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



#33
1,2-Dichloroethane-d4
Concen: 46.65 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

Tgt Ion: 65 Resp: 173311
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.8

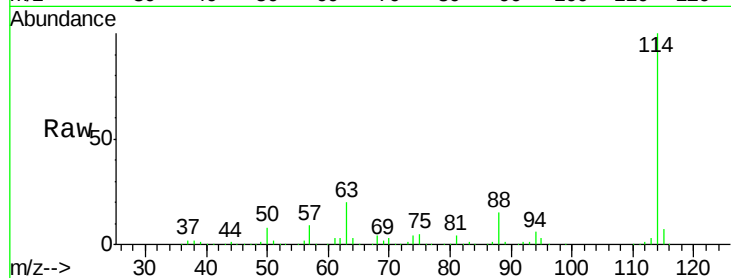




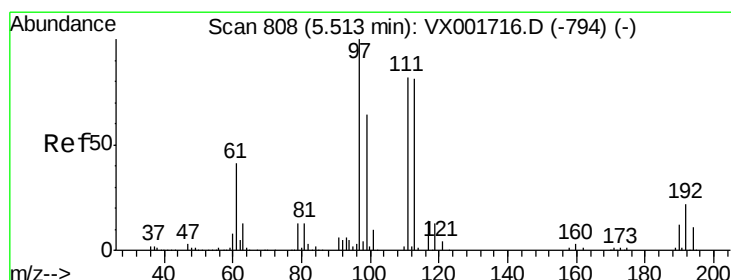
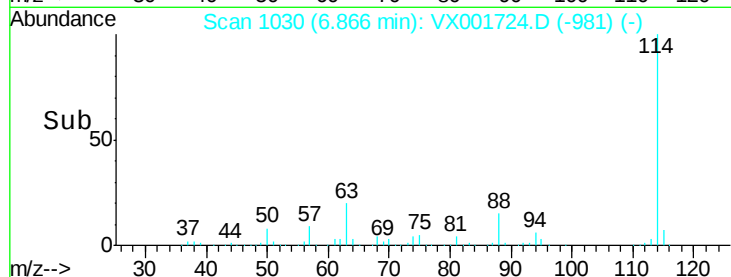
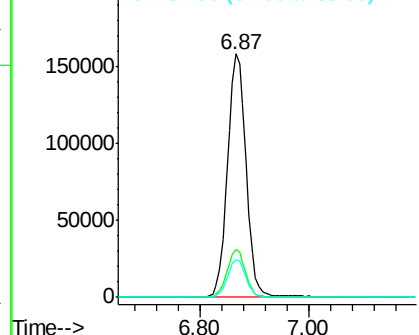
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001724.D
 Acq: 14 May 2018 22:16

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tgt Ion:114 Resp: 375893
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.0
 88 15.3 0.0 29.8

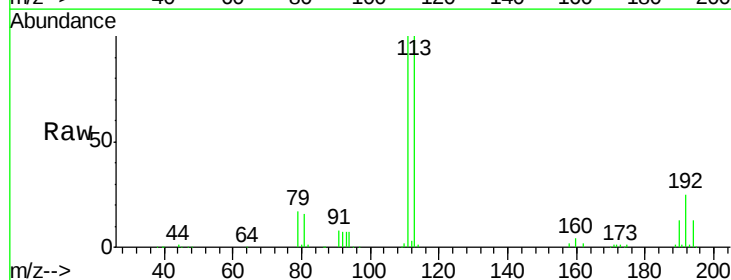


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

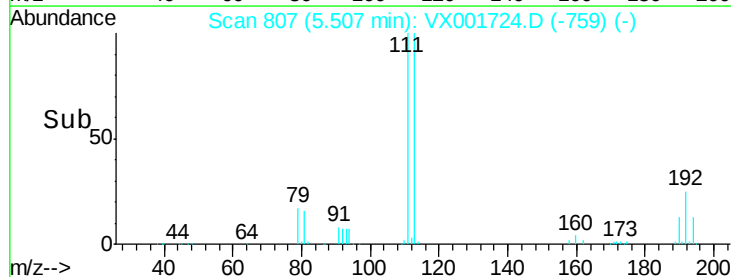
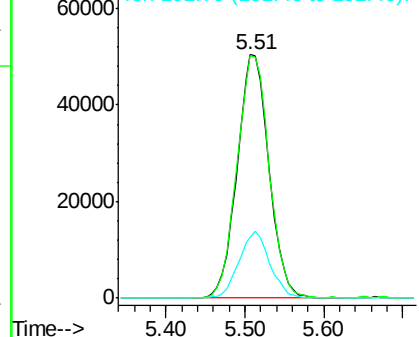


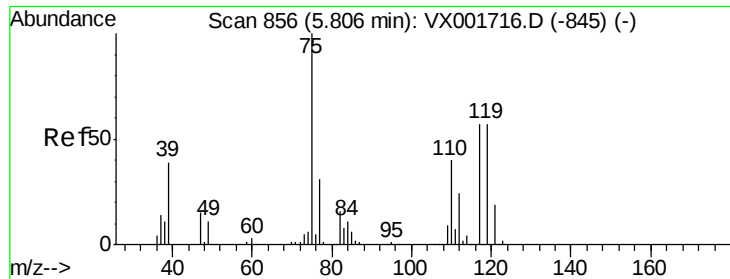
#35
 Dibromofluoromethane
 Concen: 44.53 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001724.D
 Acq: 14 May 2018 22:16

Tgt Ion:113 Resp: 141243
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.0 123.0
 192 26.7 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

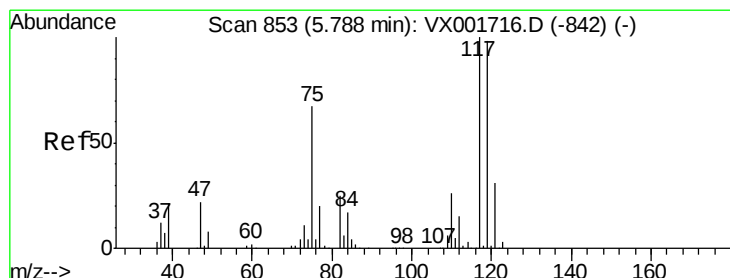
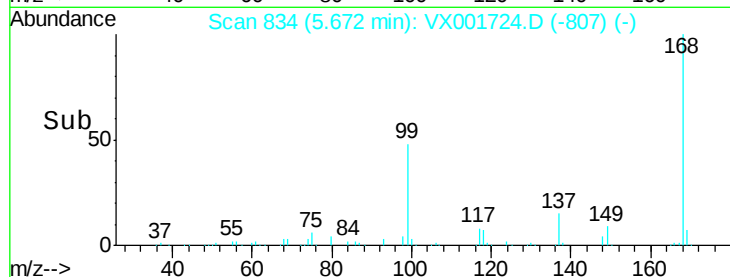
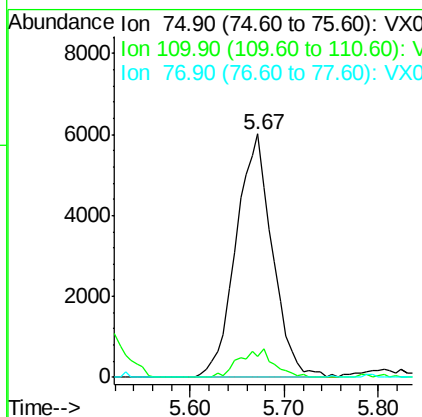
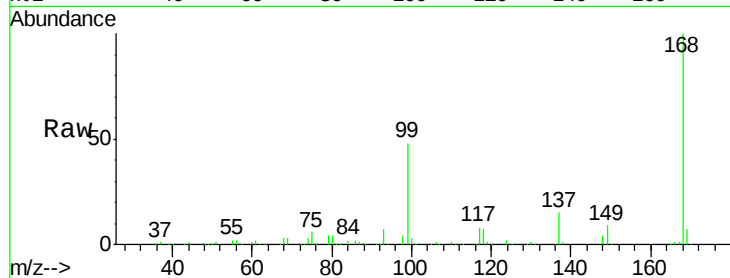




#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001724.D
 Acq: 14 May 2018 22:16

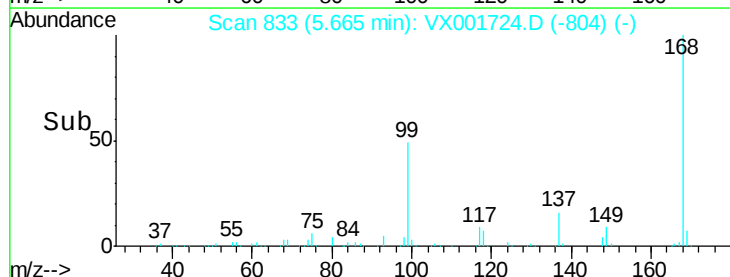
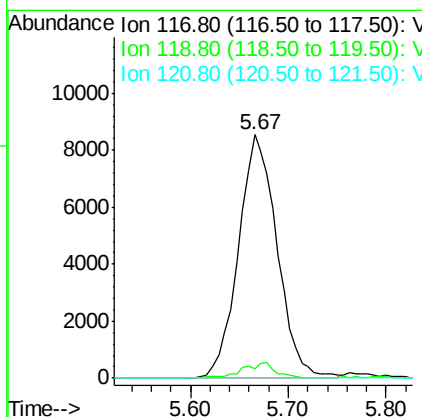
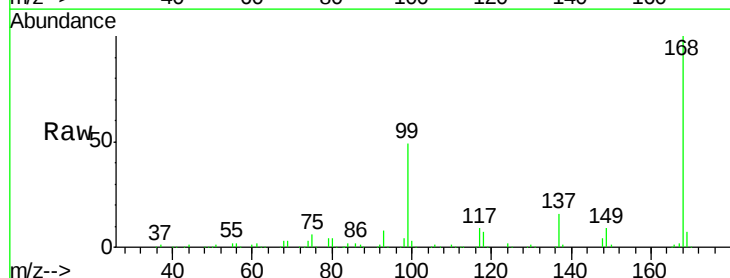
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

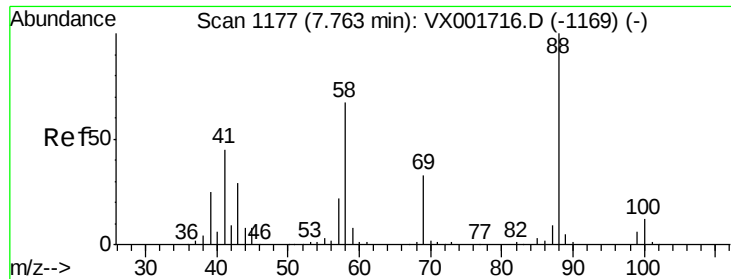
Tgt Ion: 75 Resp: 16221
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.1 57.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.17 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001724.D
 Acq: 14 May 2018 22:16

Tgt Ion: 117 Resp: 23428
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.6 116.4#
 121 0.0 24.6 36.8#

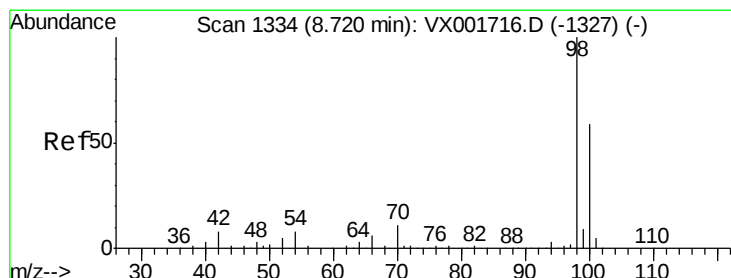
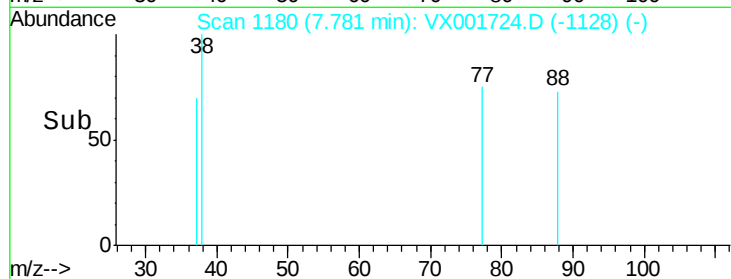
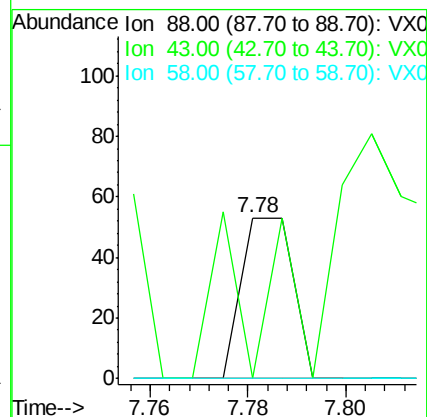
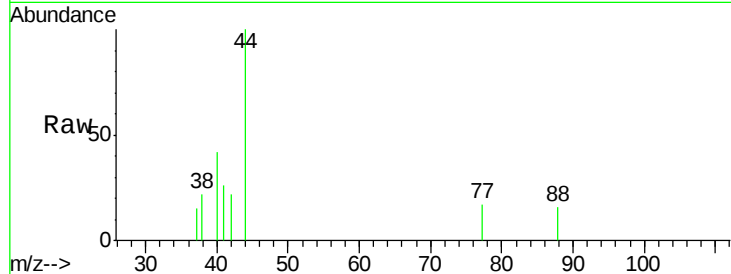




#49
1,4-Dioxane
Concen: 0.55 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.02 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

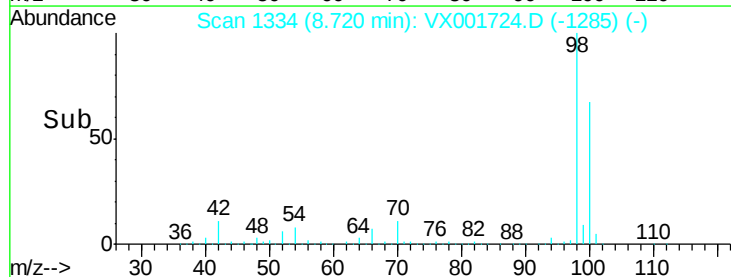
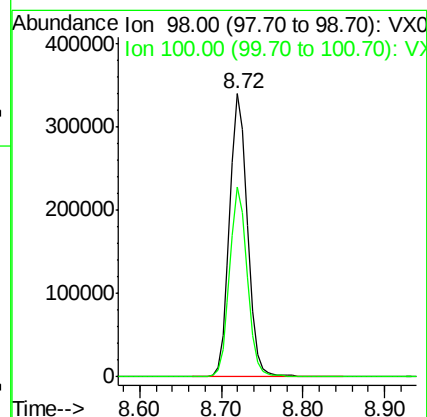
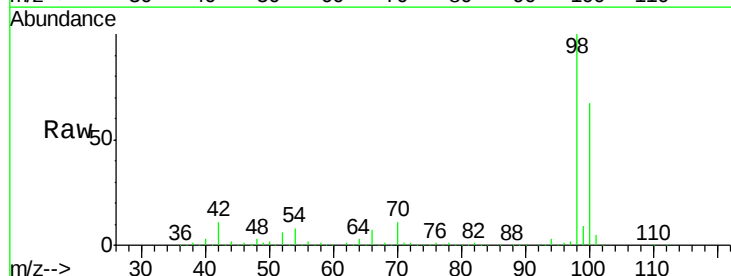
Instrument :
MSVOA_X
ClientSampled :
MW-2

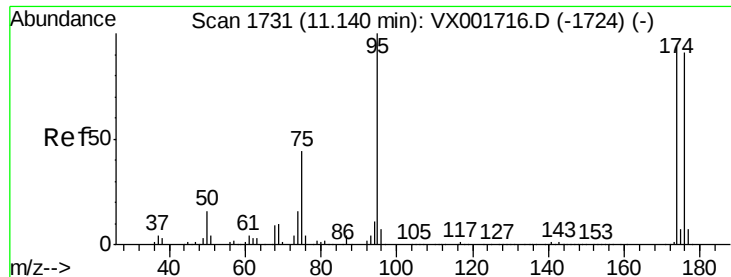
Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 51.3 27.3 40.9#
58 0.0 55.9 83.9#



#50
Toluene-d8
Concen: 45.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001724.D
Acq: 14 May 2018 22:16

Tgt Ion: 98 Resp: 517966
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0





#62

4-Bromofluorobenzene

Concen: 42.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

MW-2

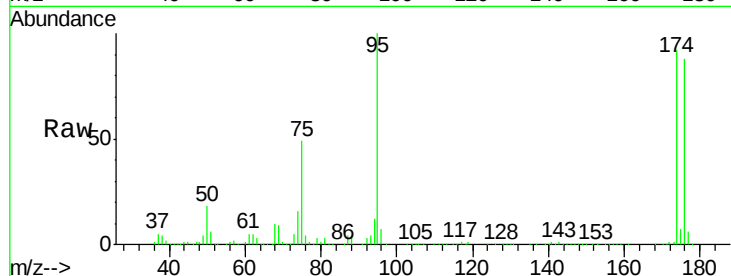
Tgt Ion: 95 Resp: 172429

Ion Ratio Lower Upper

95 100

174 102.1 0.0 201.8

176 99.4 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001716.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001716.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001716.D (-1724) (-)

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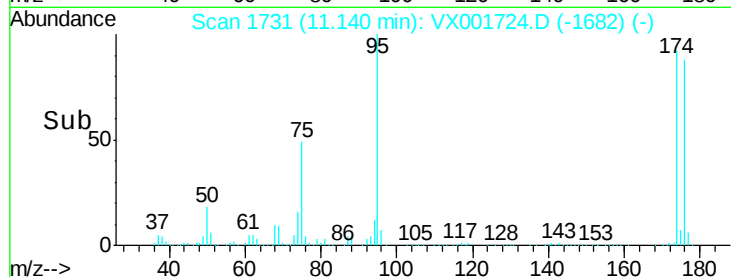
11.14

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11.14



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

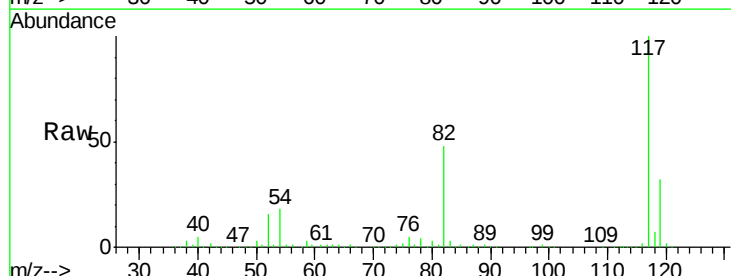
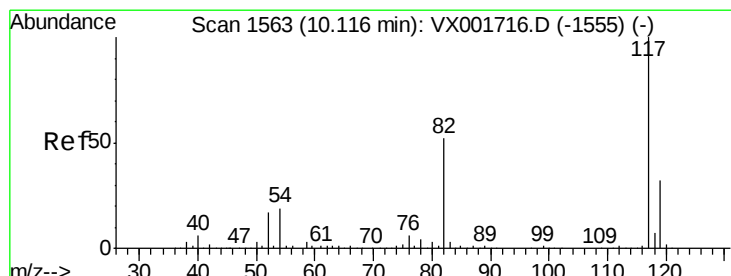
Tgt Ion: 117 Resp: 332228

Ion Ratio Lower Upper

117 100

82 48.3 41.4 62.2

119 32.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VX001716.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001716.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001716.D (-1555) (-)

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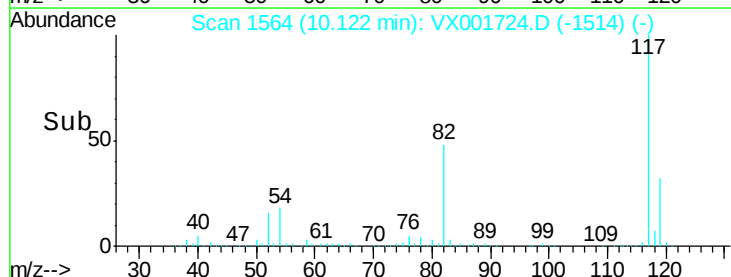
10.12

10.12

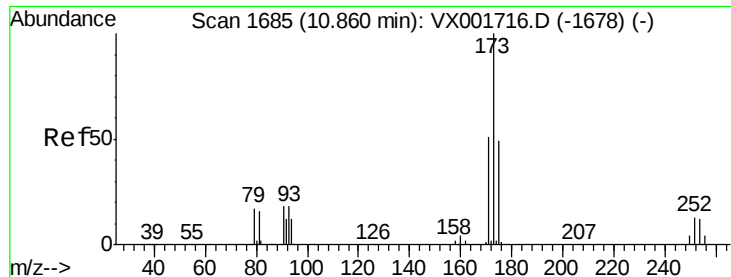
10.12

10.12

10.12



Time-->



#71

Bromoform

Concen: 2.94 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

Instrument :

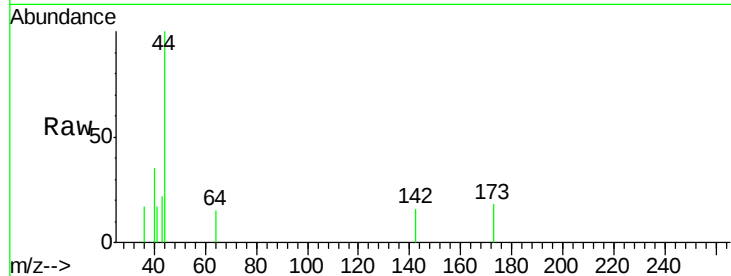
MSVOA_X

ClientSampleId :

MW-2

Tgt Ion:173 Resp: 44

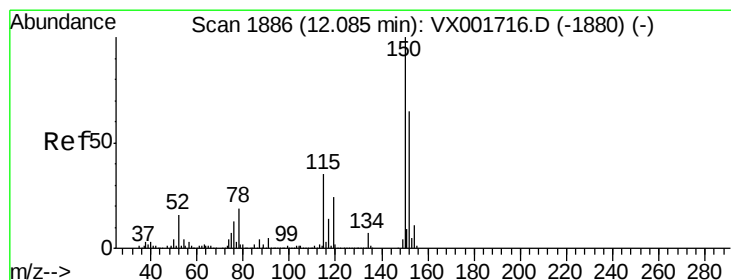
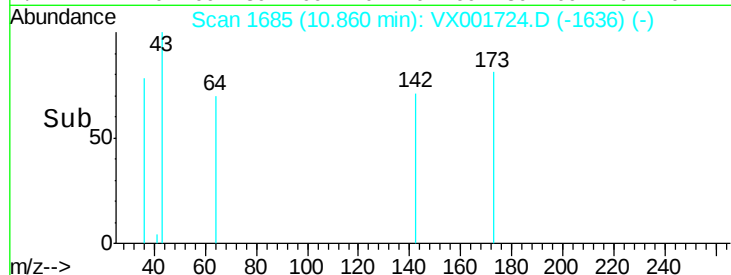
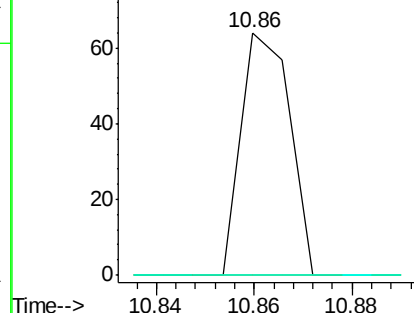
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.3	72.8#
254	0.0	0.2	0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

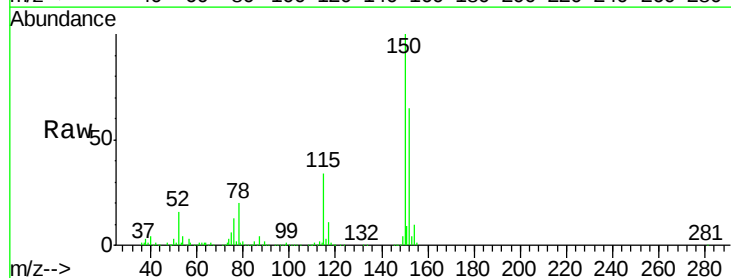
Delta R.T. -0.00 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

Tgt Ion:152 Resp: 198887

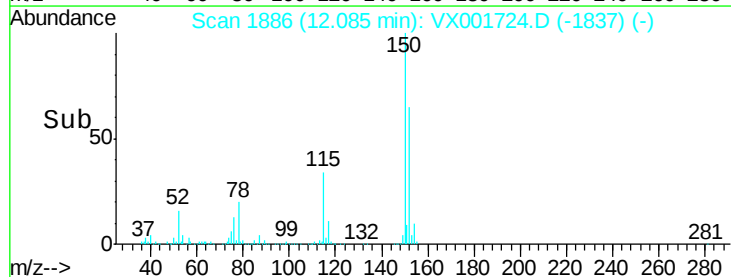
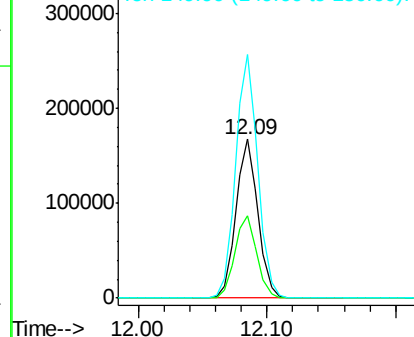
Ion	Ratio	Lower	Upper
152	100		
115	52.1	37.4	112.2
150	155.0	0.0	344.8

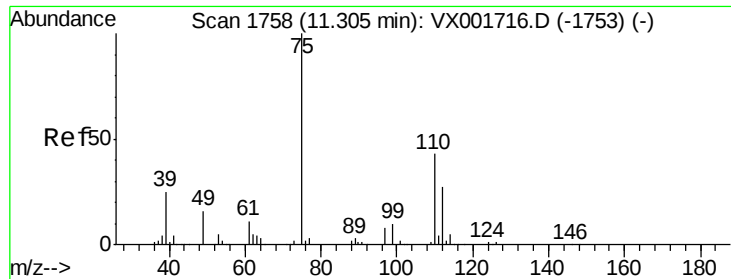


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

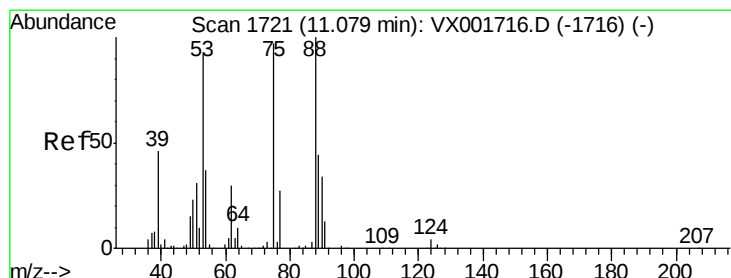
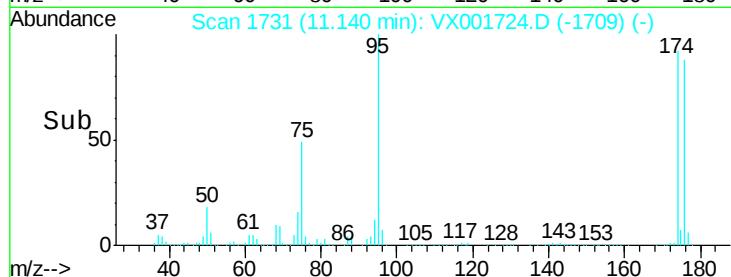
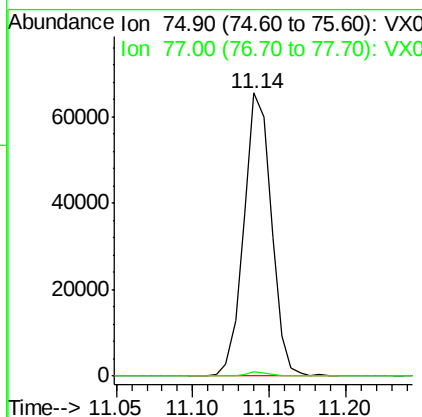
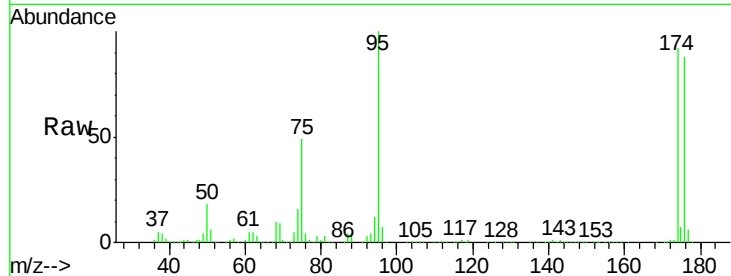




#76
 1,2,3-Trichloropropane
 Concen: 21.65 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001724.D
 Acq: 14 May 2018 22:16

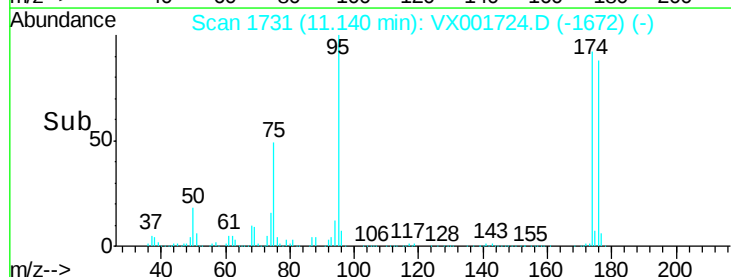
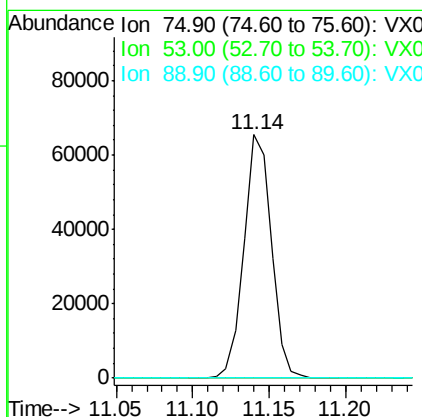
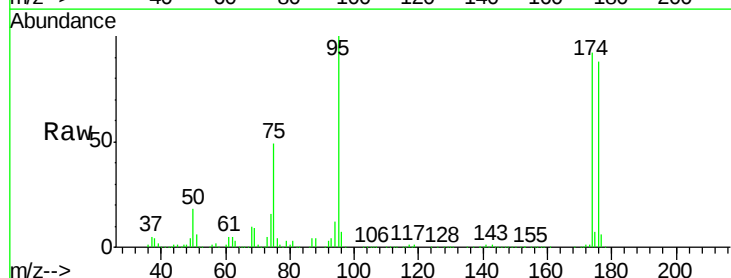
Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

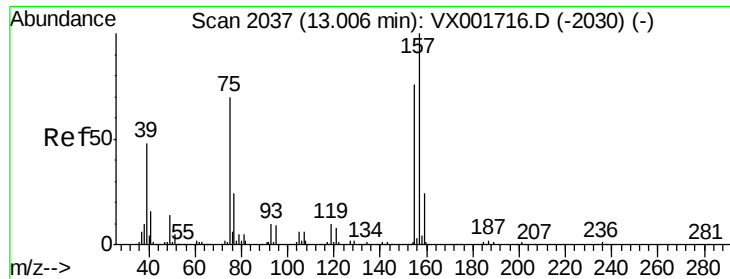
Tgt Ion: 75 Resp: 81869
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001724.D
 Acq: 14 May 2018 22:16

Tgt Ion: 75 Resp: 81869
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.24 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.20 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

MW-2

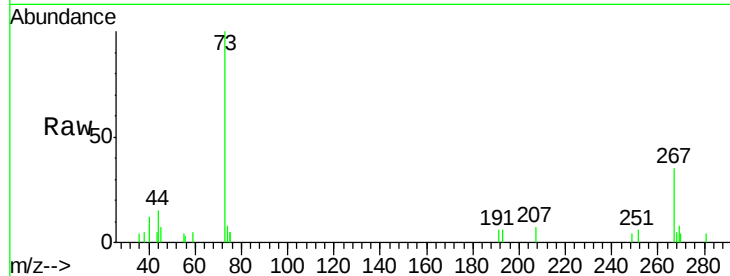
Tgt Ion: 75 Resp: 204

Ion Ratio Lower Upper

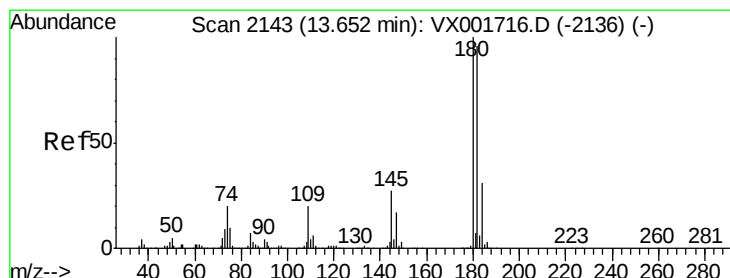
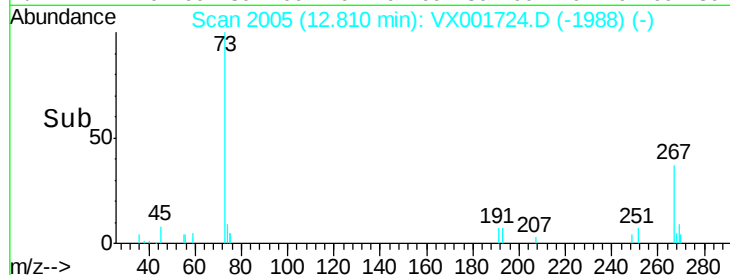
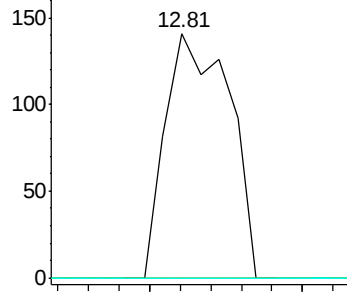
75 100

155 0.0 53.9 161.8#

157 0.0 71.0 213.2#



Abundance Ion 74.90 (74.60 to 75.60): VX001716.D (-2030) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.25 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001724.D

Acq: 14 May 2018 22:16

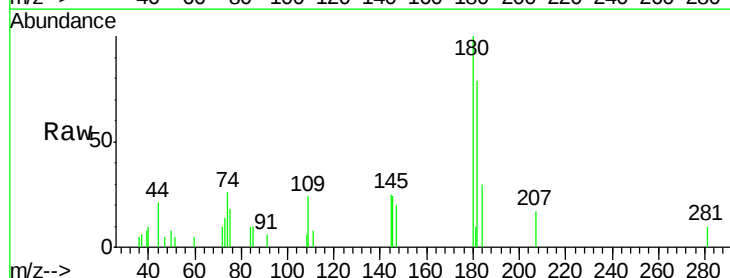
Tgt Ion: 180 Resp: 1411

Ion Ratio Lower Upper

180 100

182 106.9 47.6 142.9

145 35.8 13.4 40.1



Abundance Ion 179.80 (179.50 to 180.50): VX001716.D (-2136) (-)

