

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051718\
 Data File : VX001796.D
 Acq On : 17 May 2018 17:47
 Operator : JC/MD
 Sample : J2853-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW305-180507

Quant Time: May 18 03:59:28 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	283524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154867	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	202722	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	5.51	113	174385	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
50) Toluene-d8	8.72	98	604319	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	177240	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	

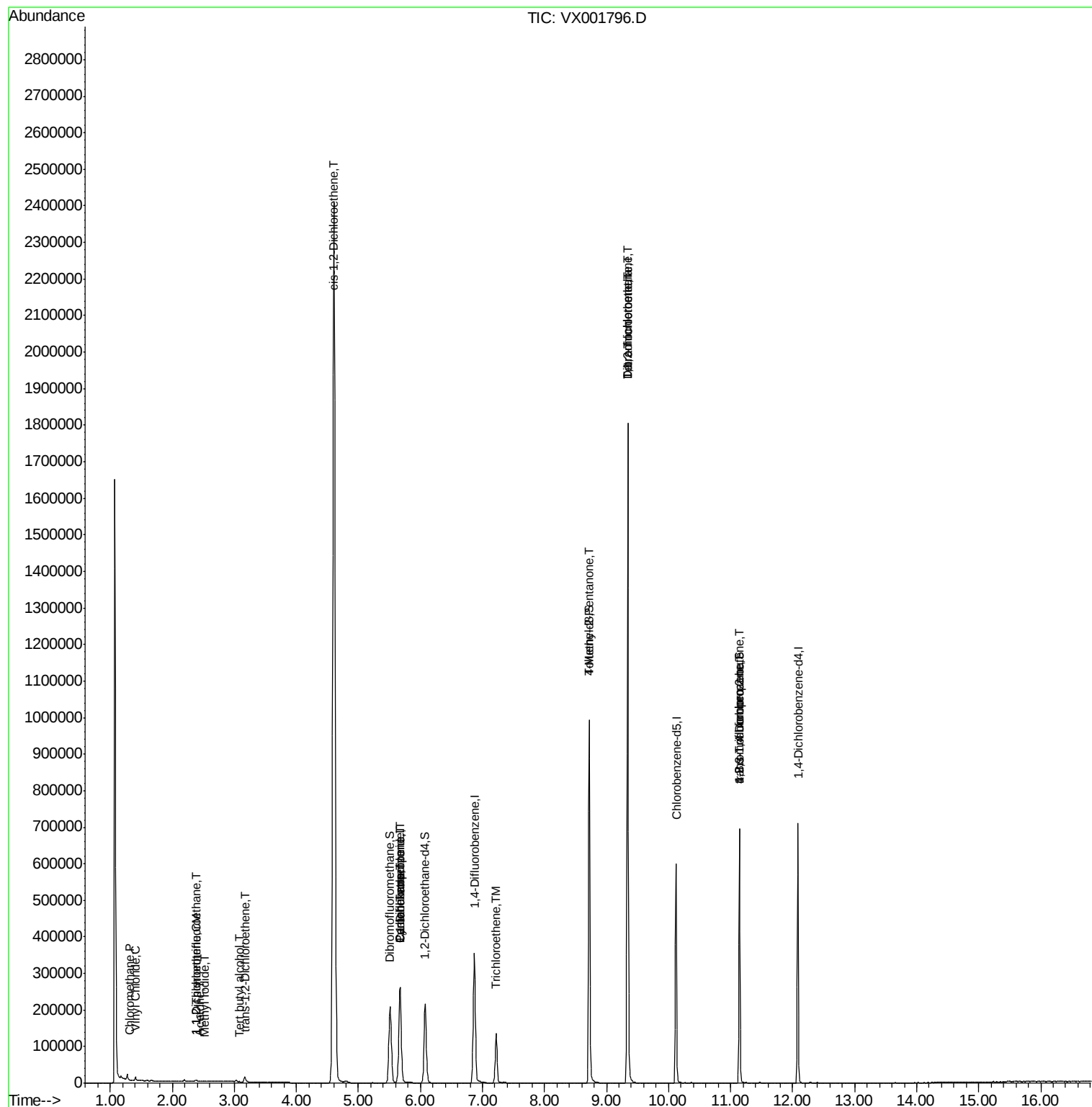
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	702	0.23	ug/l	# 78
4) Vinyl Chloride	1.40	62	6355	1.91	ug/l	97
5) Bromomethane	1.65	94	1296	Below Cal	#	77
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1133	0.39	ug/l	91
10) Methyl Iodide	2.52	142	1347	0.50	ug/l	# 89
11) Tert butyl alcohol	3.08	59	225	0.33	ug/l	# 21
12) 1,1-Dichloroethene	2.37	96	721	0.26	ug/l	# 70
16) Acetone	2.45	43	1197	0.80	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	5495	1.78	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	1594570	453.92	ug/l	89
31) Cyclohexane	5.67	56	4457	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16662	3.80	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23297	5.07	ug/l	# 16
44) Trichloroethene	7.22	130	56300	14.04	ug/l	98
51) 4-Methyl-2-Pentanone	8.73	43	2481	0.55	ug/l	# 1
55) 1,1,2-Trichloroethane	9.34	97	2436	0.77	ug/l	# 1
60) Dibromochloromethane	9.34	129	325247	100.09	ug/l	# 11
64) Tetrachloroethene	9.34	164	393695	99.77	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	82337	27.96	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	82337	81.12	ug/l	# 10

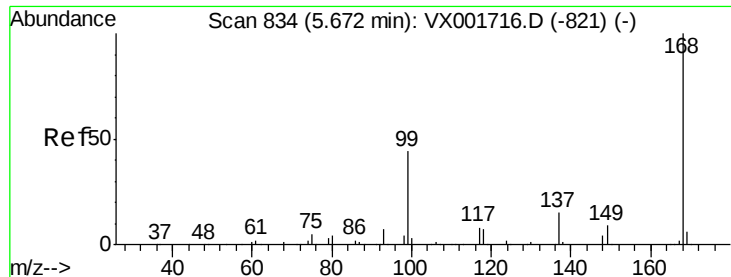
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
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: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

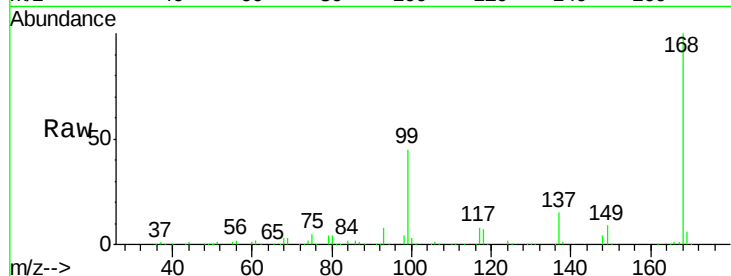
ST008MW305-180507

Tgt Ion: 168 Resp: 283524

Ion Ratio Lower Upper

168 100

99 44.6 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

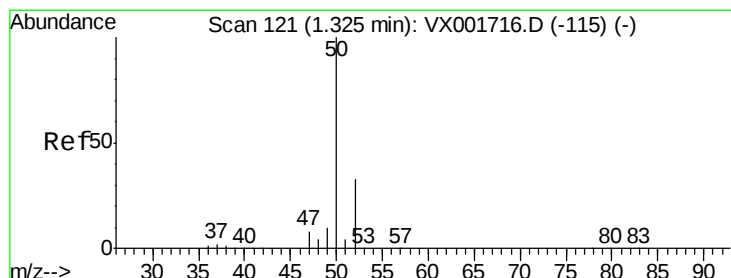
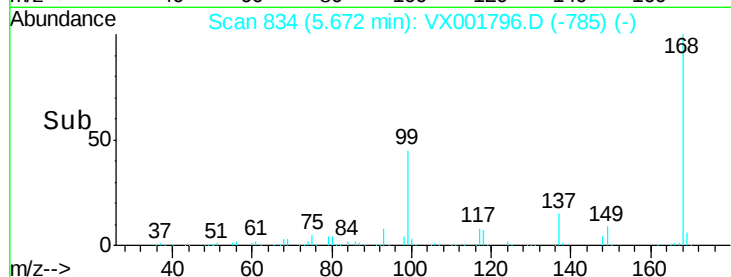
0

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001796.D

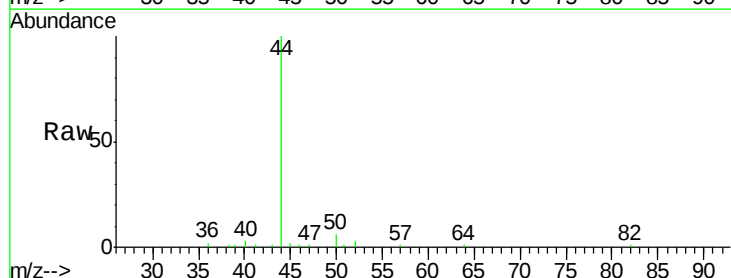
Acq: 17 May 2018 17:47

Tgt Ion: 50 Resp: 702

Ion Ratio Lower Upper

50 100

52 45.1 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

300

200

100

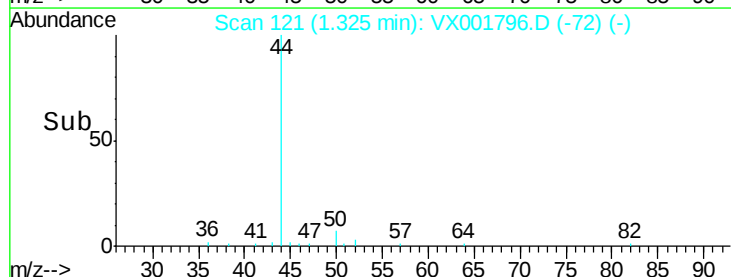
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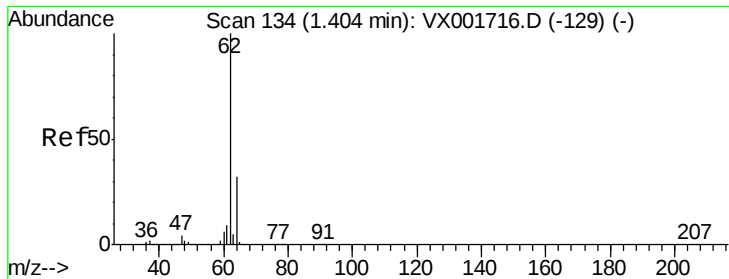
1.30

1.35

1.40

Time-->





#4

Vinyl Chloride

Concen: 1.91 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

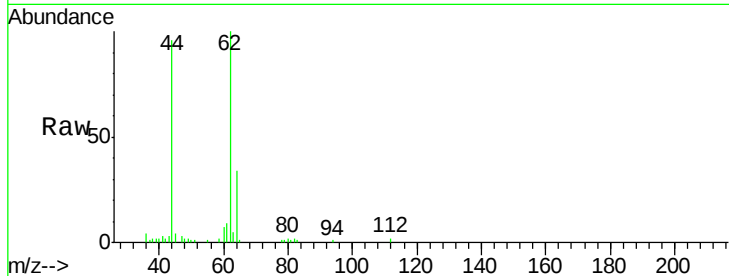
ST008MW305-180507

Tgt Ion: 62 Resp: 6355

Ion Ratio Lower Upper

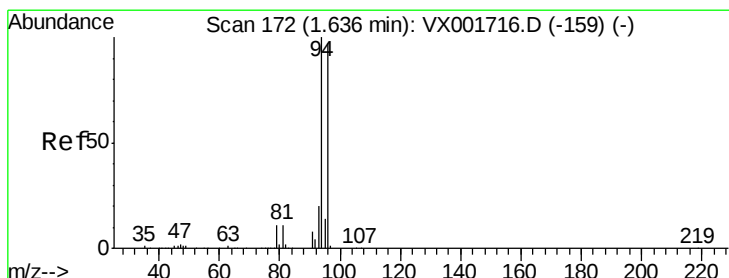
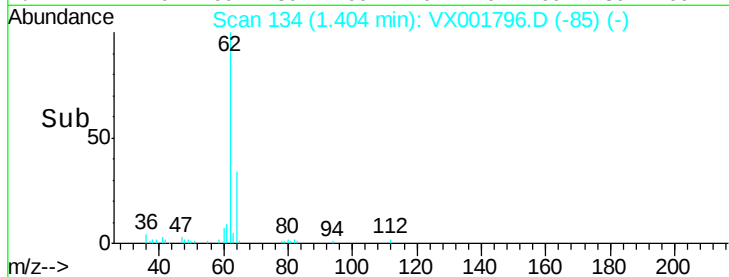
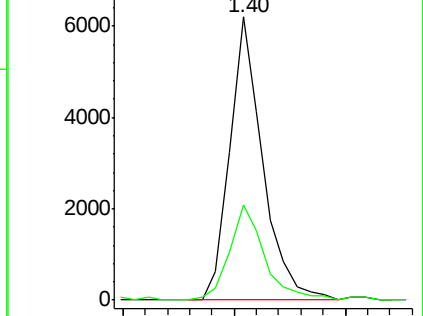
62 100

64 33.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001796.D

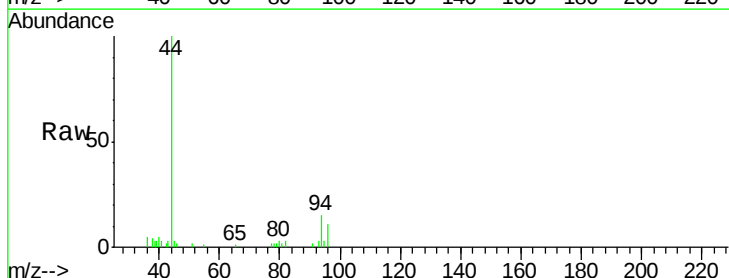
Acq: 17 May 2018 17:47

Tgt Ion: 94 Resp: 1296

Ion Ratio Lower Upper

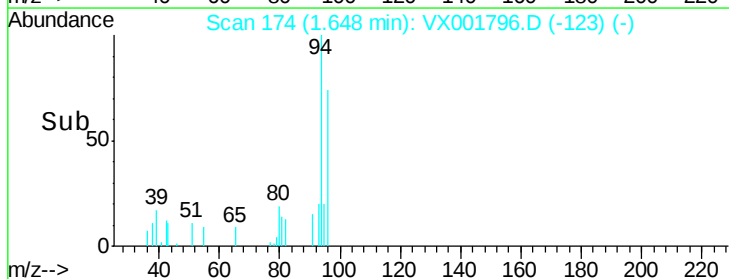
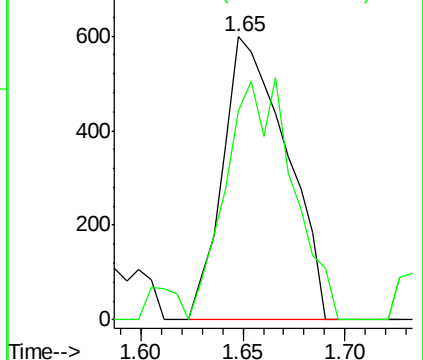
94 100

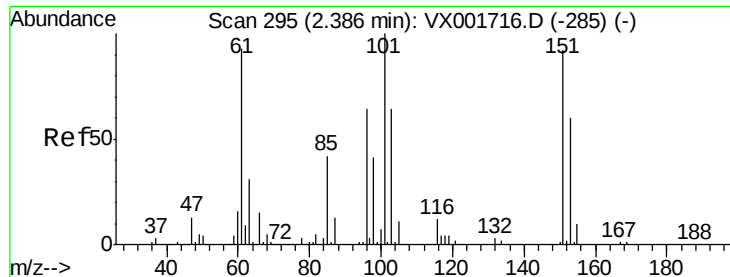
96 73.7 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.39 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

ST008MW305-180507

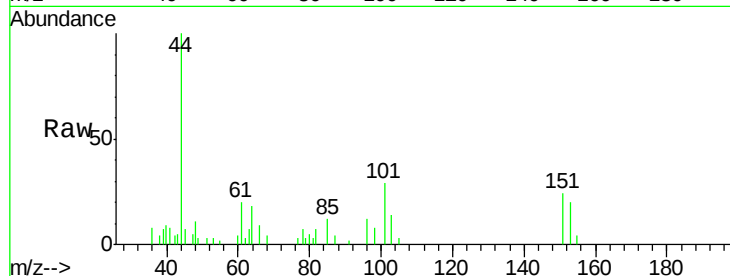
Tgt Ion:101 Resp: 1133

Ion Ratio Lower Upper

101 100

85 44.0 33.7 50.5

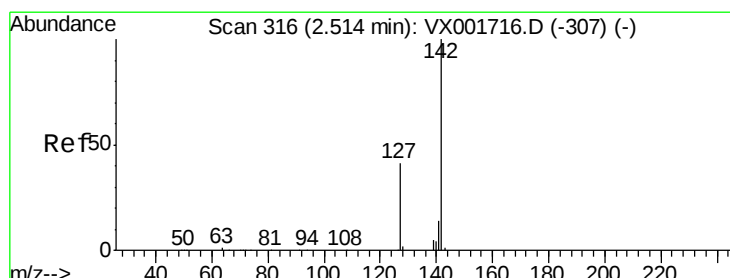
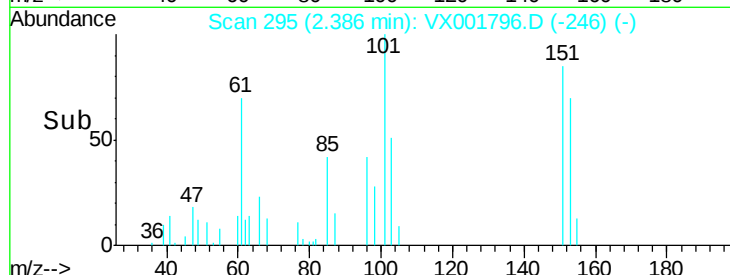
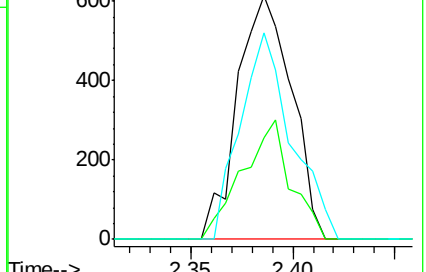
151 80.1 73.0 109.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.50 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

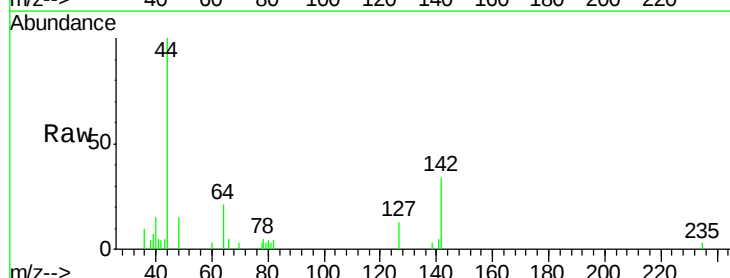
Tgt Ion:142 Resp: 1347

Ion Ratio Lower Upper

142 100

127 49.1 32.5 48.7#

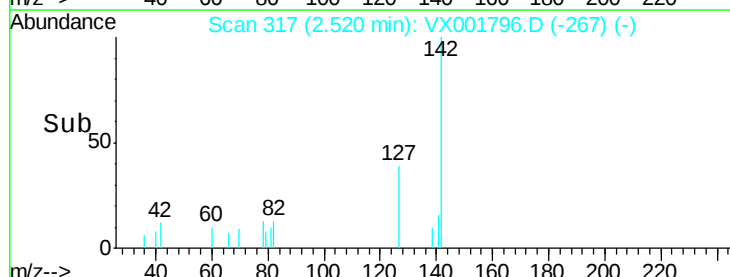
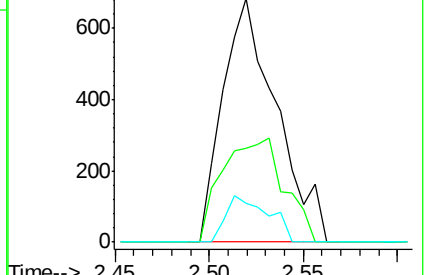
141 15.1 11.4 17.0

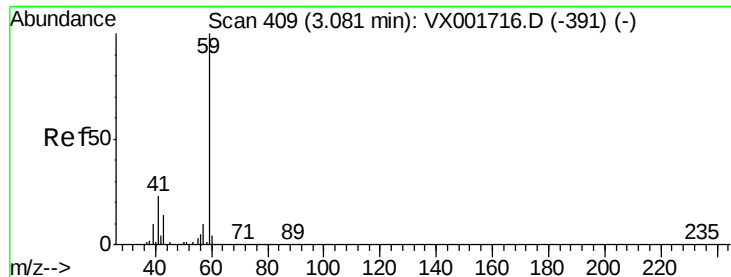


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

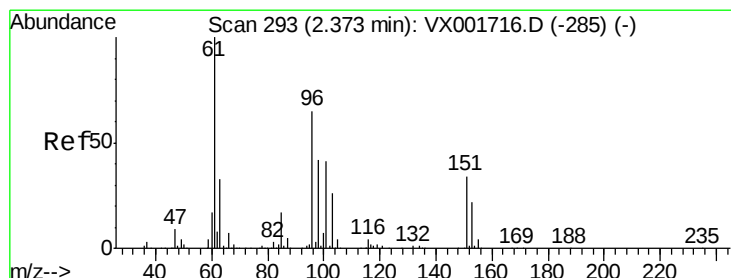
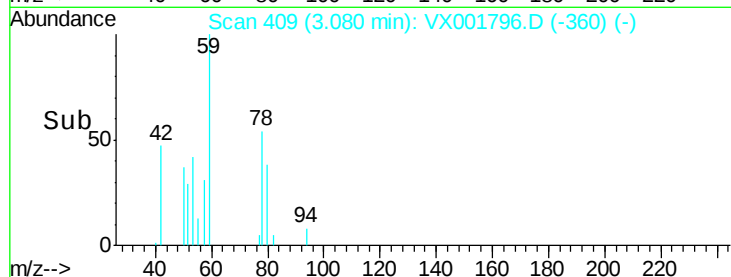
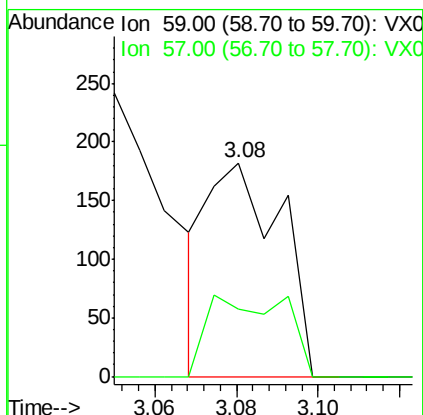
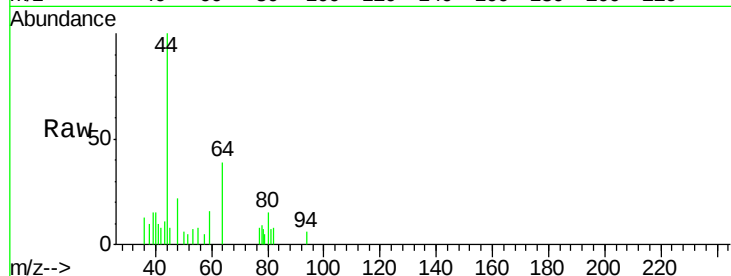




#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001796.D
Acq: 17 May 2018 17:47

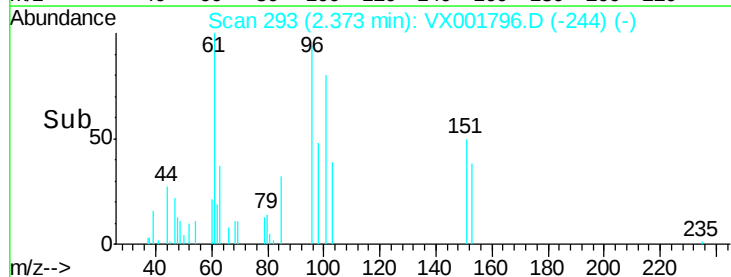
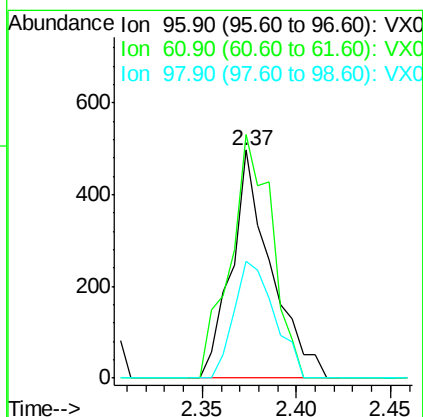
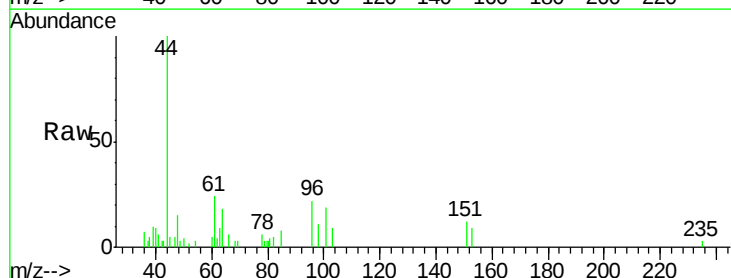
Instrument :
MSVOA_X
ClientSampleId :
ST008MW305-180507

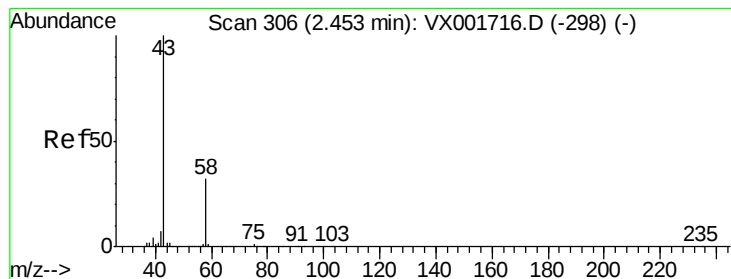
Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 40.4 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.26 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001796.D
Acq: 17 May 2018 17:47

Tgt Ion: 96 Resp: 721
Ion Ratio Lower Upper
96 100
61 106.8 122.2 183.2#
98 51.3 51.4 77.0#





#16

Acetone

Concen: 0.80 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

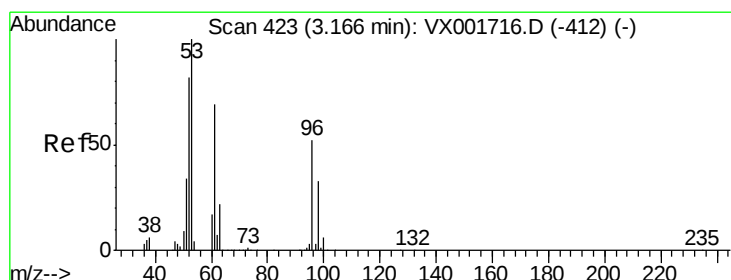
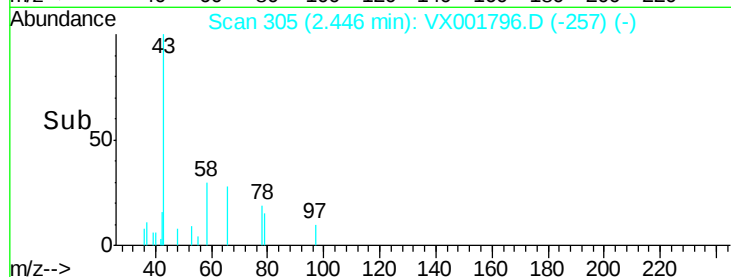
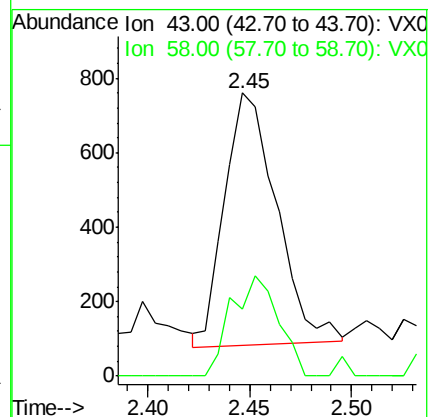
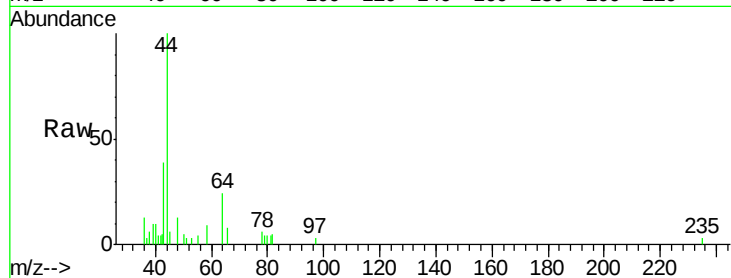
ST008MW305-180507

Tgt Ion: 43 Resp: 1197

Ion Ratio Lower Upper

43 100

58 27.3 25.3 37.9



#21

trans-1,2-Dichloroethene

Concen: 1.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

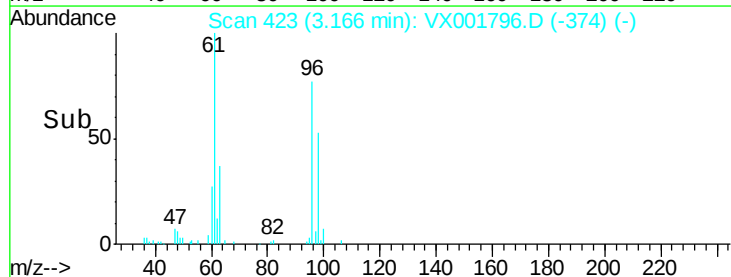
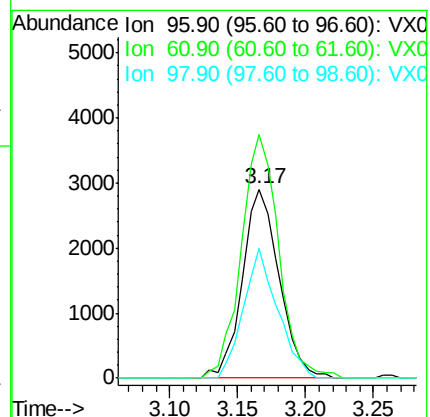
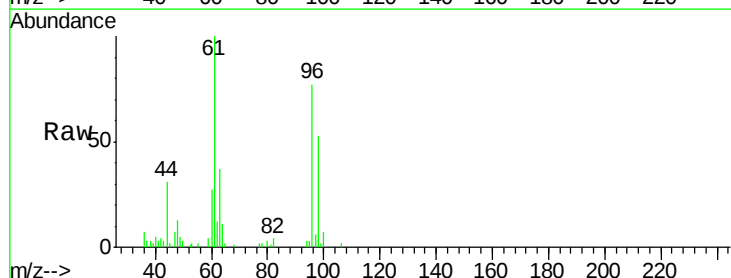
Tgt Ion: 96 Resp: 5495

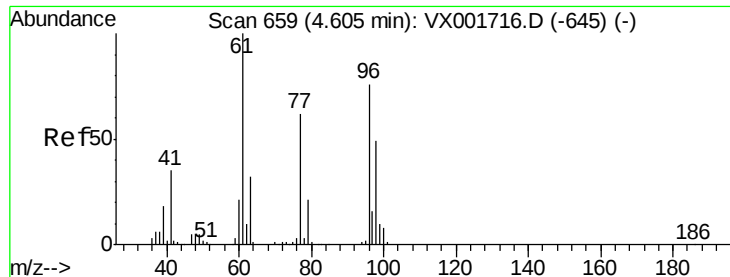
Ion Ratio Lower Upper

96 100

61 129.1 105.8 158.8

98 68.9 50.2 75.4



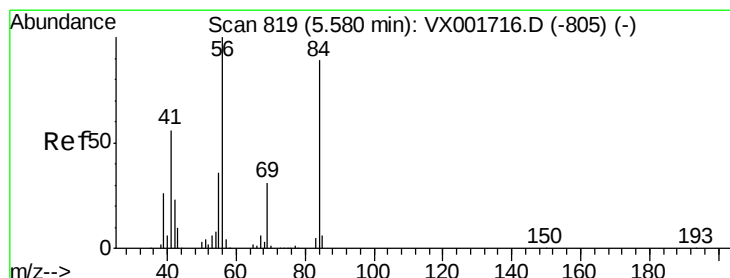
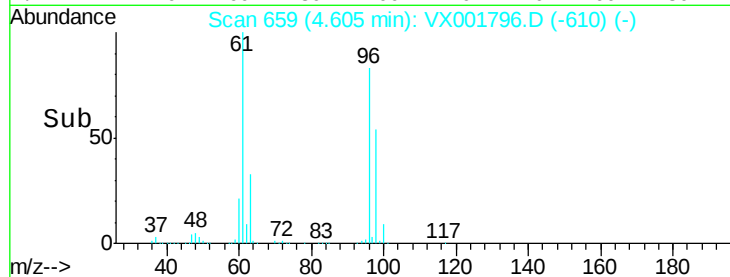
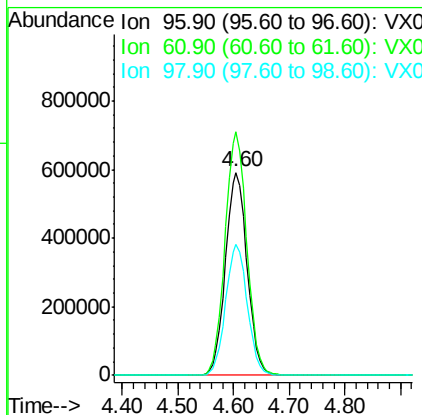
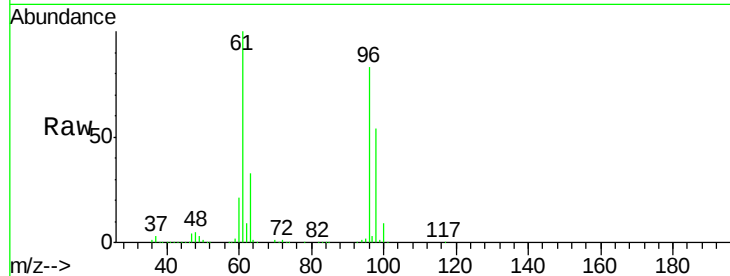


#27

cis-1,2-Dichloroethene
 Concen: 453.92 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001796.D
 Acq: 17 May 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW305-180507

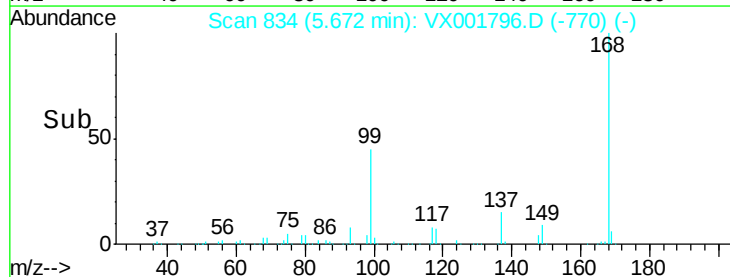
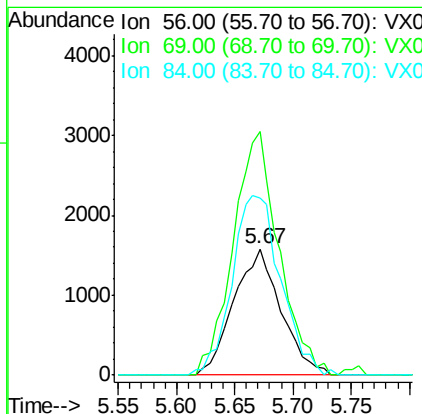
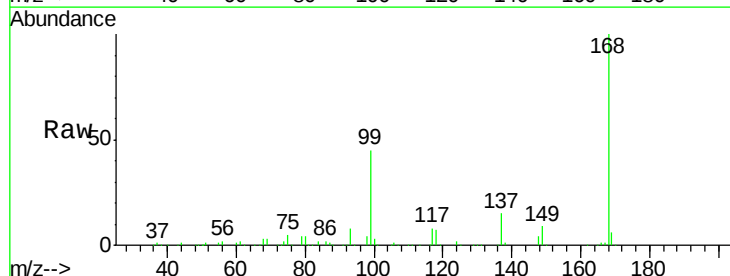
Tgt Ion: 96 Resp: 1594570
 Ion Ratio Lower Upper
 96 100
 61 120.7 0.0 280.4
 98 64.7 0.0 128.4

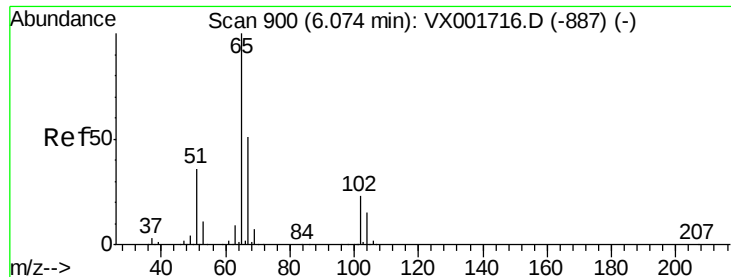


#31

Cyclohexane
 Concen: 0.93 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.09 min
 Lab File: VX001796.D
 Acq: 17 May 2018 17:47

Tgt Ion: 56 Resp: 4457
 Ion Ratio Lower Upper
 56 100
 69 193.0 25.0 37.6#
 84 140.2 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 53.34 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

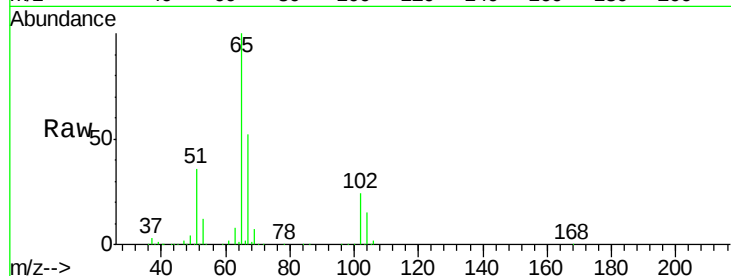
ST008MW305-180507

Tgt Ion: 65 Resp: 202722

Ion Ratio Lower Upper

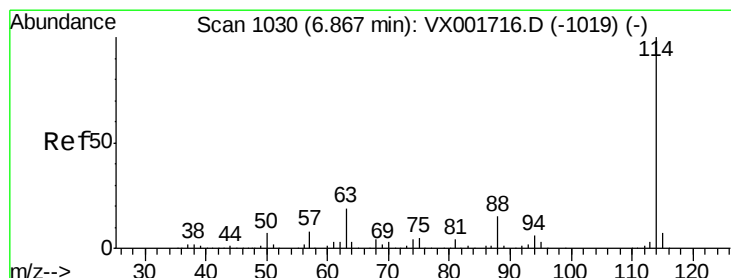
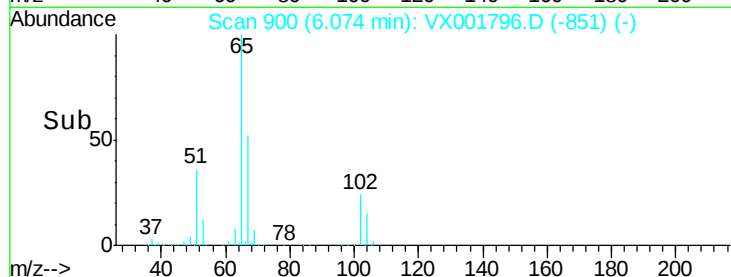
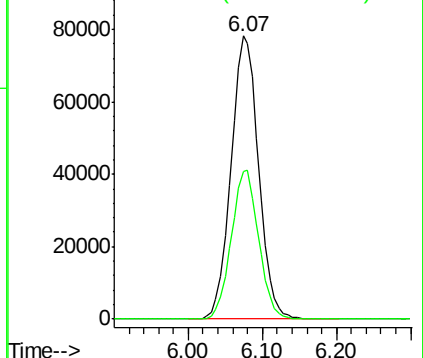
65 100

67 52.1 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: VX001796.D

Acq: 17 May 2018 17:47

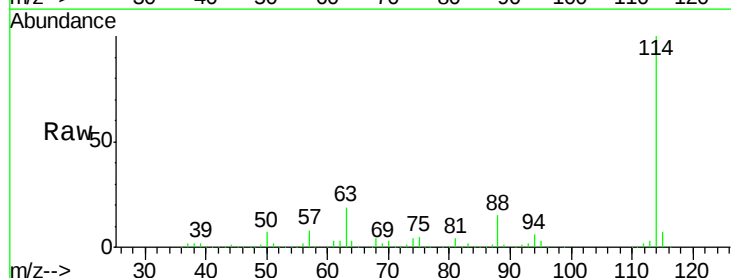
Tgt Ion: 114 Resp: 380931

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.0

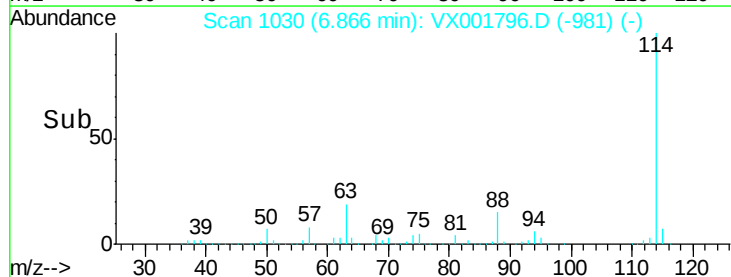
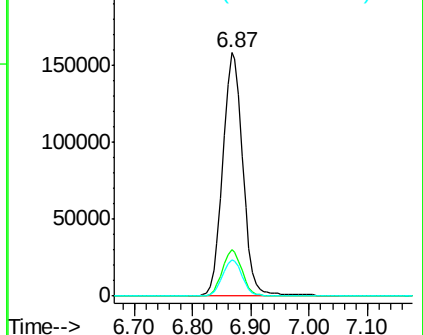
88 15.1 0.0 29.8

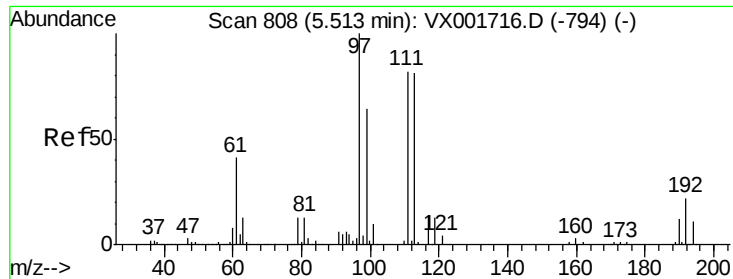


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

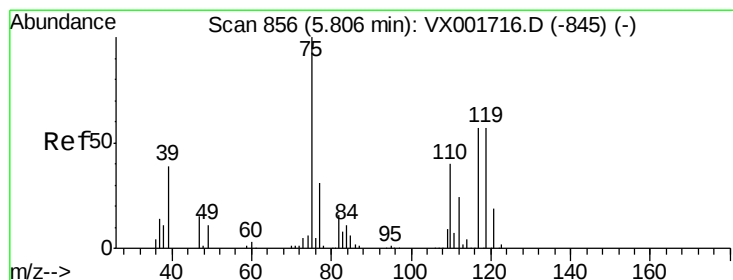
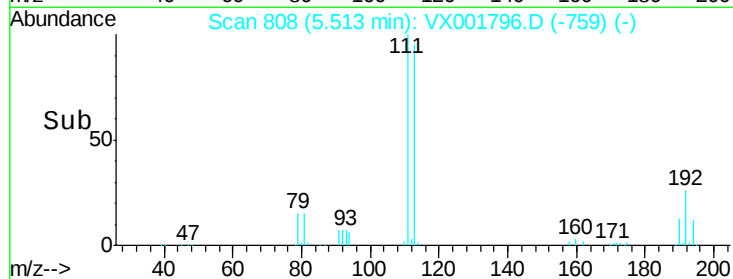
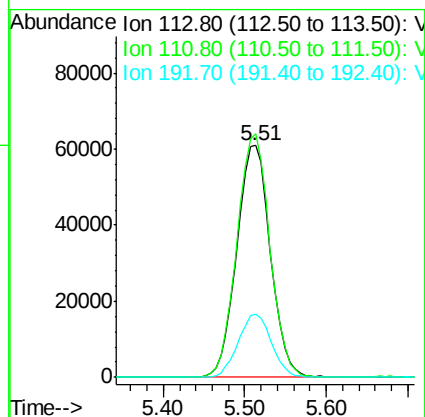
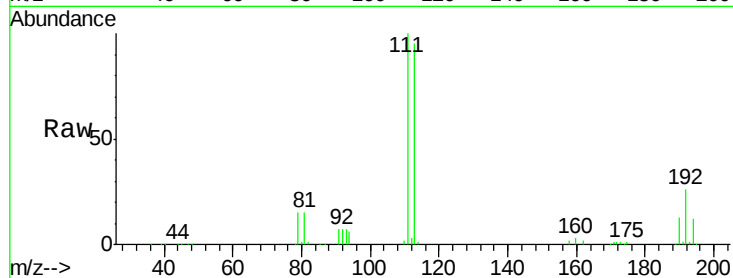




#35
 Dibromofluoromethane
 Concen: 54.25 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001796.D
 Acq: 17 May 2018 17:47

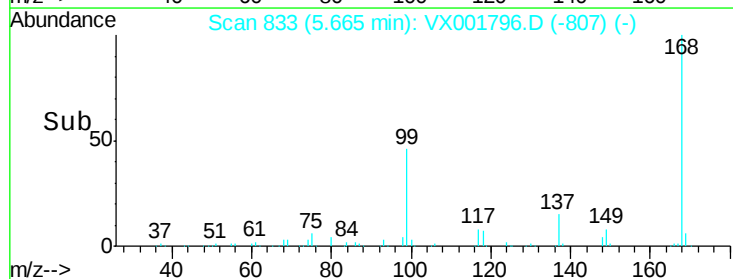
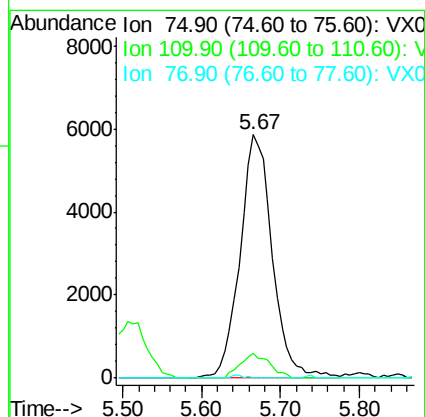
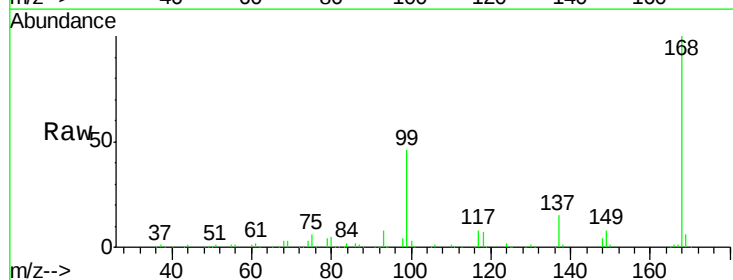
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW305-180507

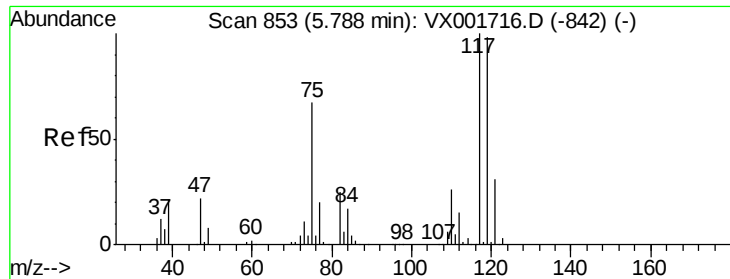
Tgt Ion:113 Resp: 174385
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 27.1 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001796.D
 Acq: 17 May 2018 17:47

Tgt Ion: 75 Resp: 16662
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.1#
 77 0.4 24.6 37.0#

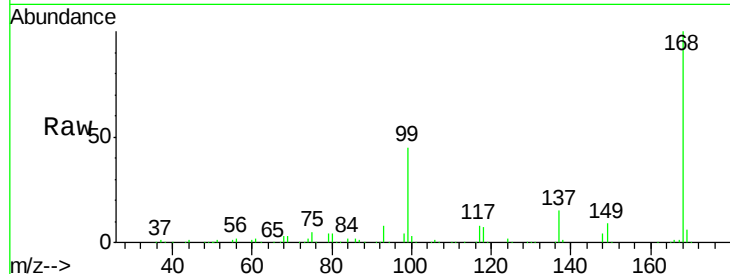




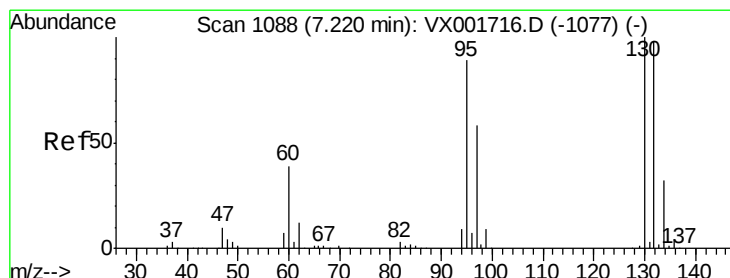
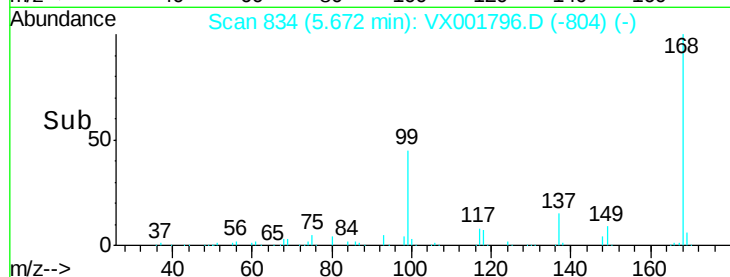
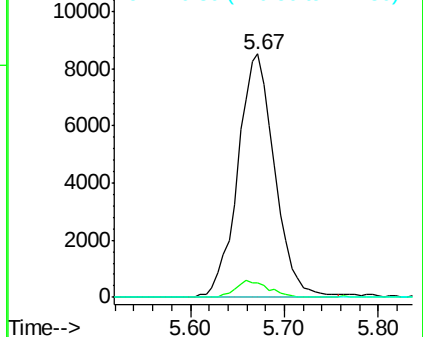
#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001796.D
Acq: 17 May 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
ST008MW305-180507

Tgt Ion:117 Resp: 23297
Ion Ratio Lower Upper
117 100
119 5.8 77.6 116.4#
121 0.0 24.6 36.8#

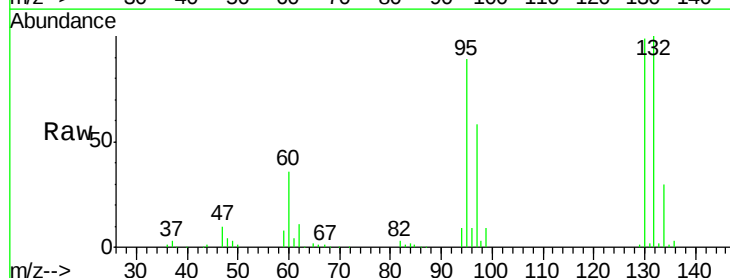


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

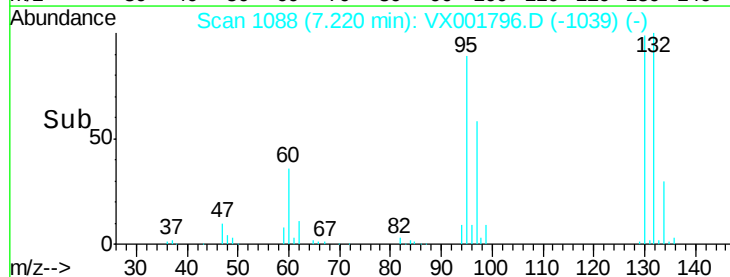
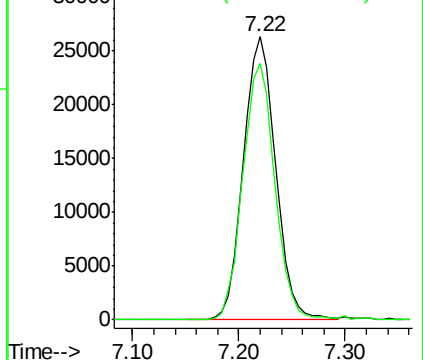


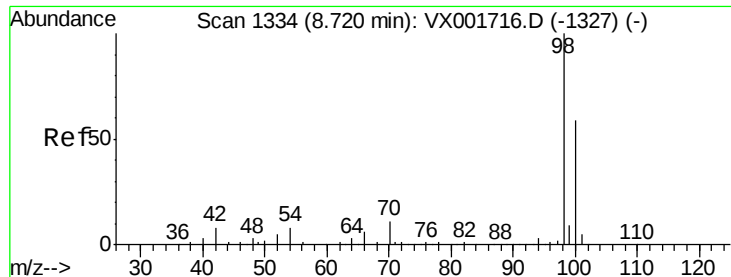
#44
Trichloroethene
Concen: 14.04 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001796.D
Acq: 17 May 2018 17:47

Tgt Ion:130 Resp: 56300
Ion Ratio Lower Upper
130 100
95 90.4 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

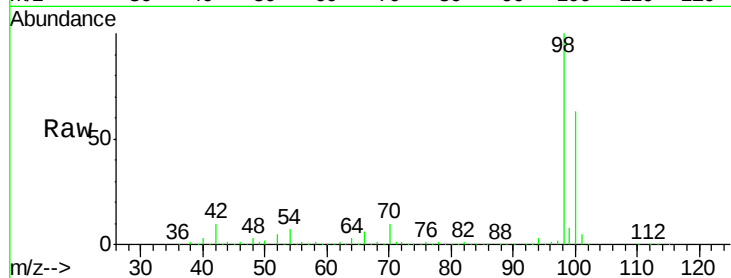
ST008MW305-180507

Tgt Ion: 98 Resp: 604319

Ion Ratio Lower Upper

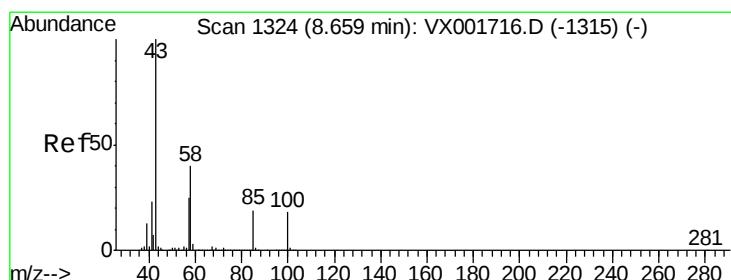
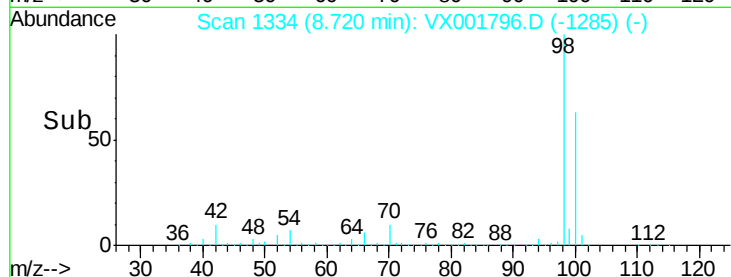
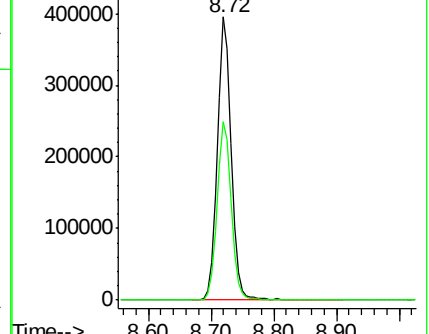
98 100

100 64.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.07 min

Lab File: VX001796.D

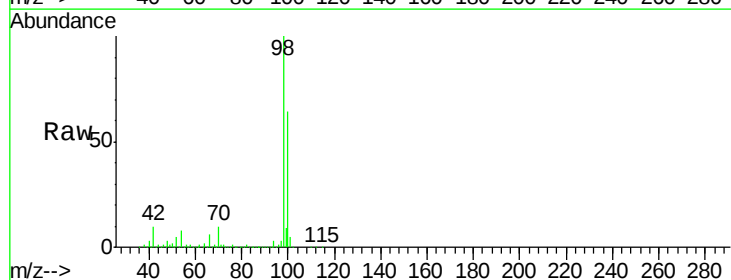
Acq: 17 May 2018 17:47

Tgt Ion: 43 Resp: 2481

Ion Ratio Lower Upper

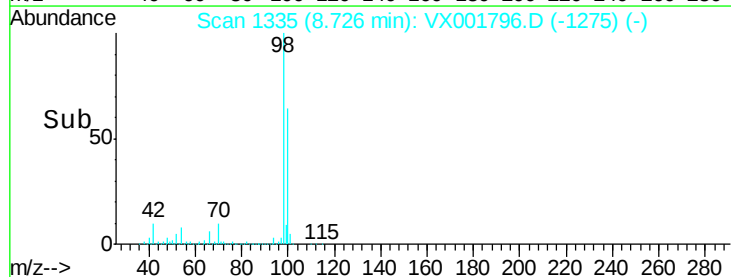
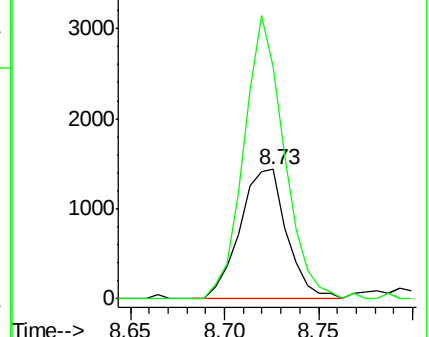
43 100

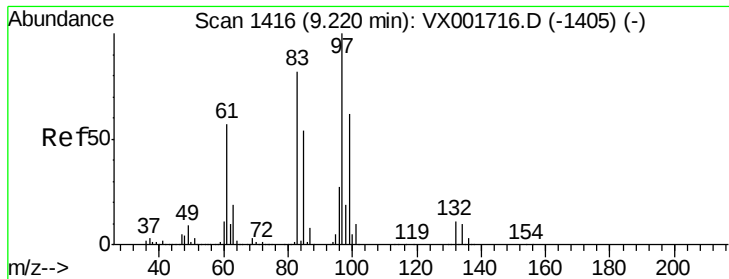
58 187.9 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#55

1,1,2-Trichloroethane

Concen: 0.77 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

ST008MW305-180507

Tgt Ion: 97 Resp: 2436

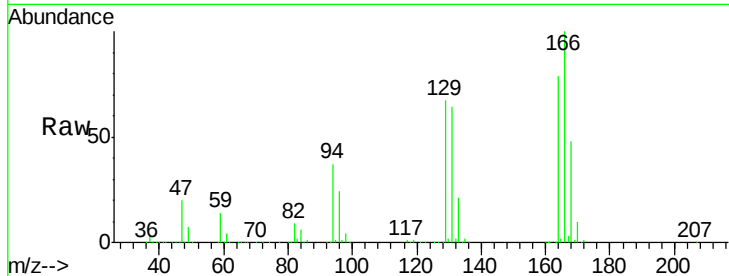
Ion Ratio Lower Upper

97 100

83 304.8 65.8 98.8#

85 31.2 43.4 65.0#

99 17.0 49.8 74.6#

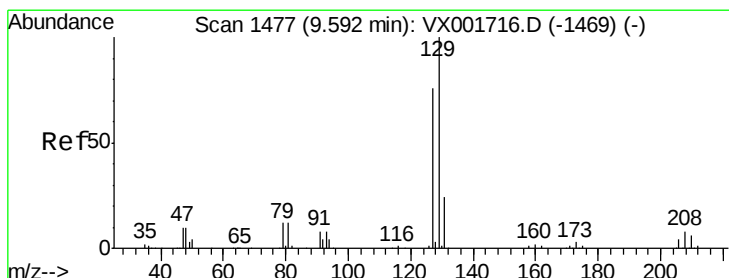
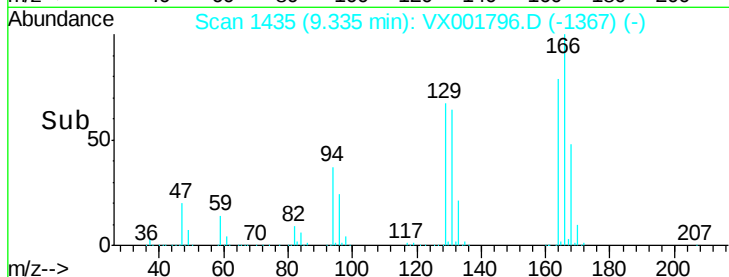
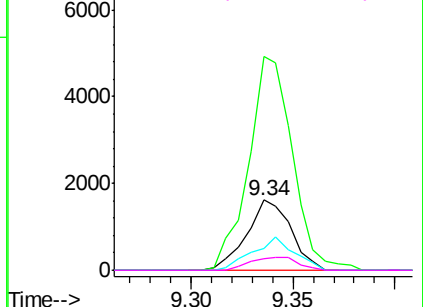


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 100.09 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001796.D

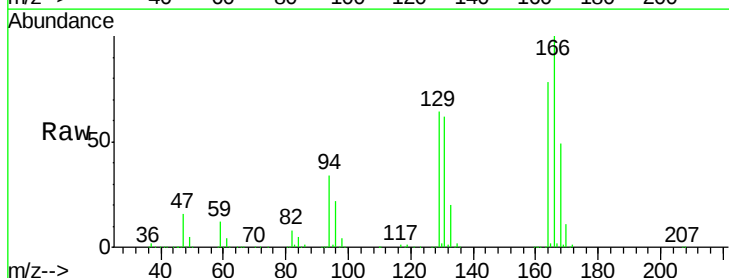
Acq: 17 May 2018 17:47

Tgt Ion: 129 Resp: 325247

Ion Ratio Lower Upper

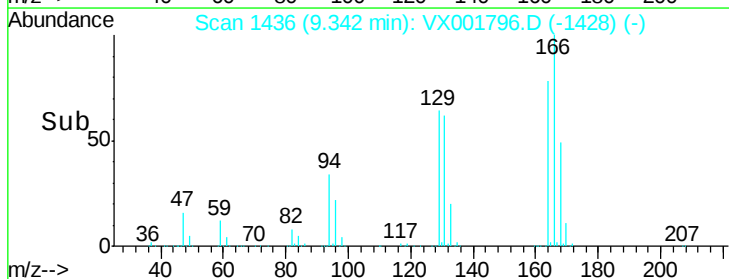
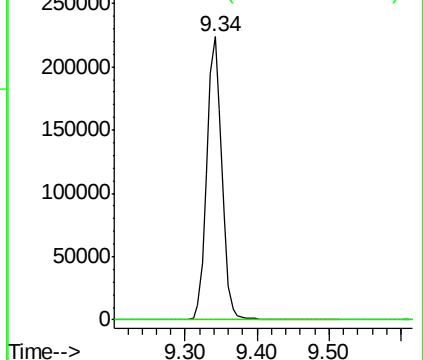
129 100

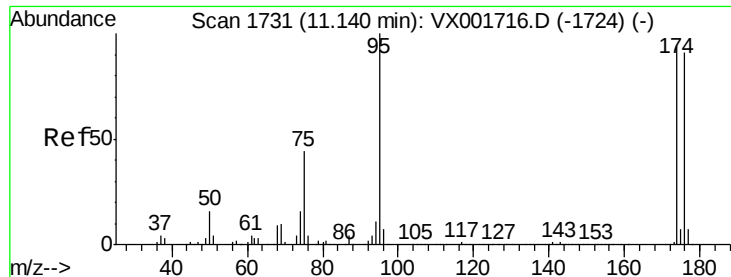
127 0.1 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

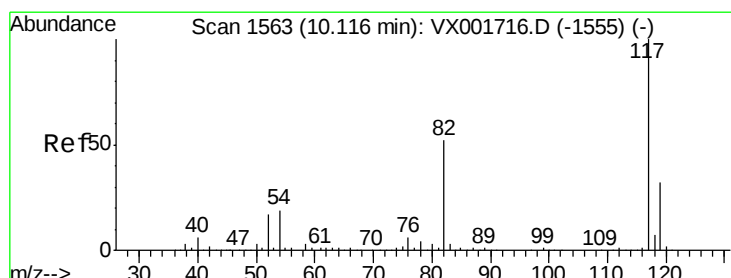
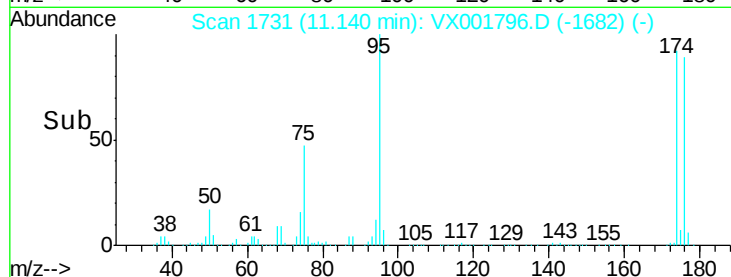
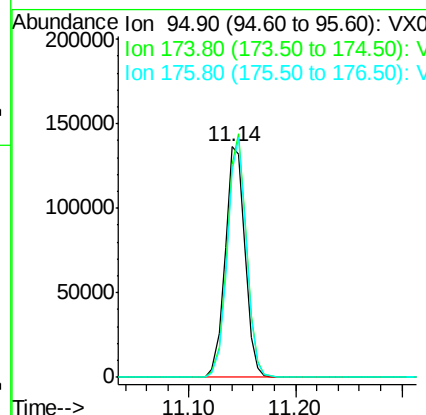
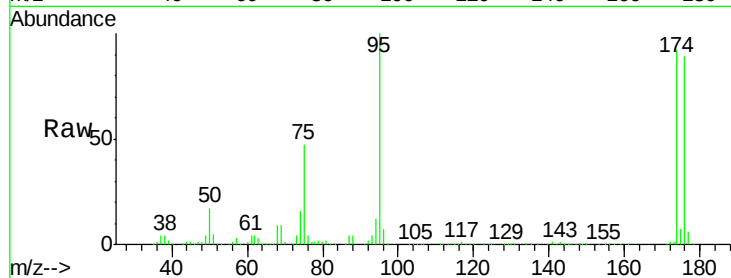




#62
4-Bromofluorobenzene
Concen: 42.76 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001796.D
Acq: 17 May 2018 17:47

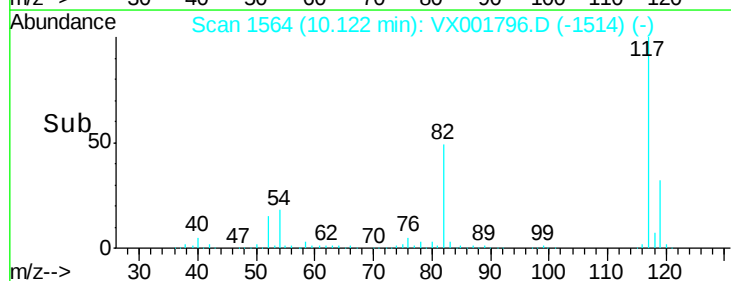
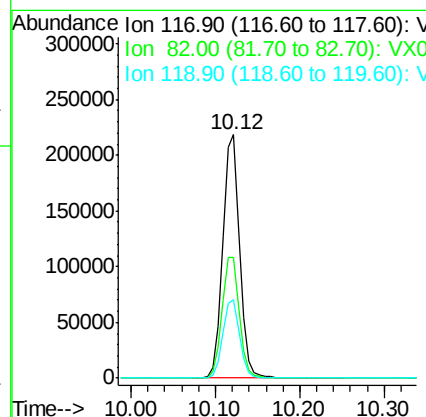
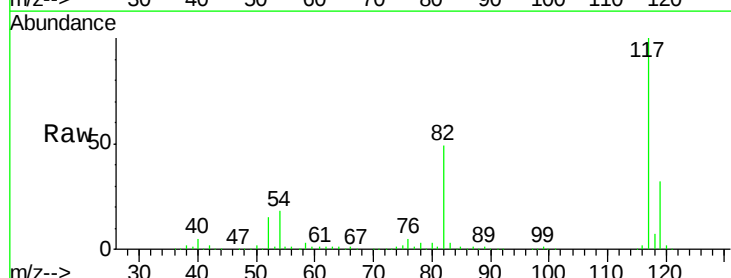
Instrument :
MSVOA_X
ClientSampleId :
ST008MW305-180507

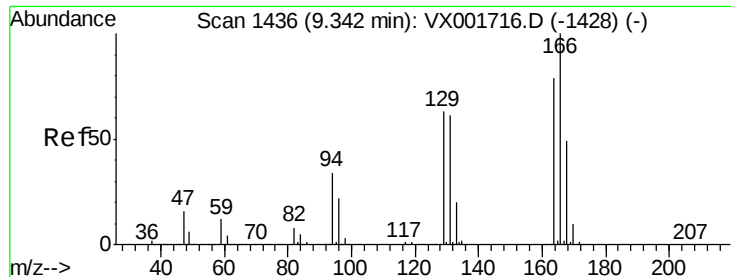
Tgt Ion: 95 Resp: 177240
Ion Ratio Lower Upper
95 100
174 103.0 0.0 201.8
176 99.6 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001796.D
Acq: 17 May 2018 17:47

Tgt Ion: 117 Resp: 303139
Ion Ratio Lower Upper
117 100
82 49.4 41.4 62.2
119 32.4 25.6 38.4





#64

Tetrachloroethene

Concen: 99.77 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

ST008MW305-180507

Tgt Ion:164 Resp: 393695

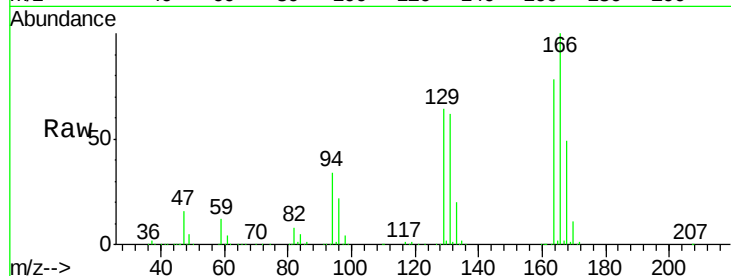
Ion Ratio Lower Upper

164 100

166 128.9 101.8 152.8

129 82.7 63.8 95.6

131 80.0 62.2 93.2

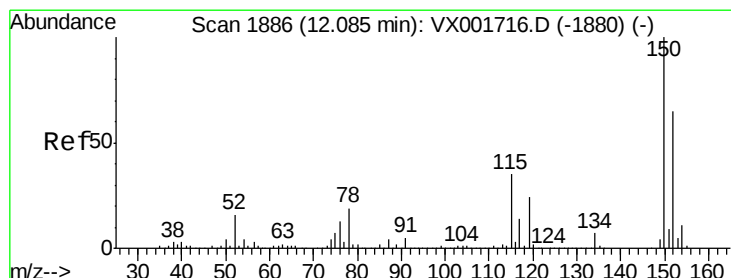
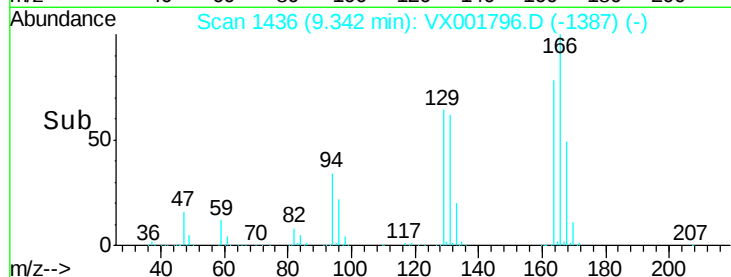
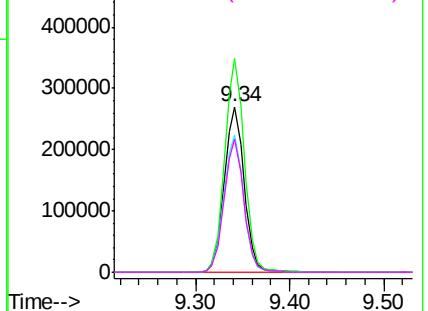


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX001796.D

Acq: 17 May 2018 17:47

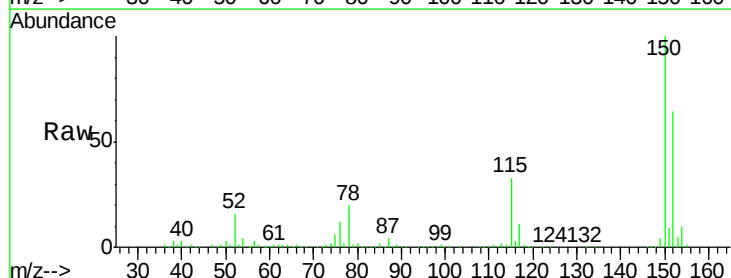
Tgt Ion:152 Resp: 154867

Ion Ratio Lower Upper

152 100

115 52.6 37.4 112.2

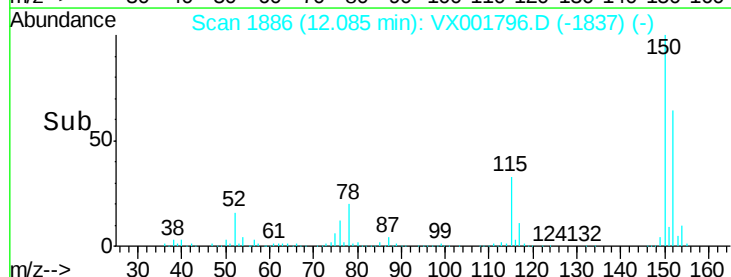
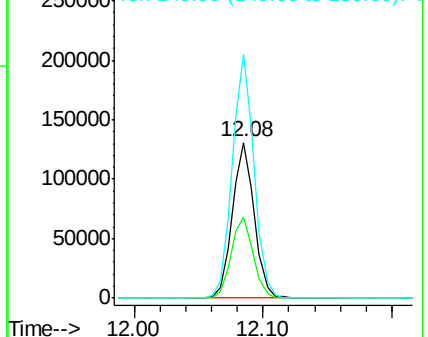
150 156.1 0.0 344.8

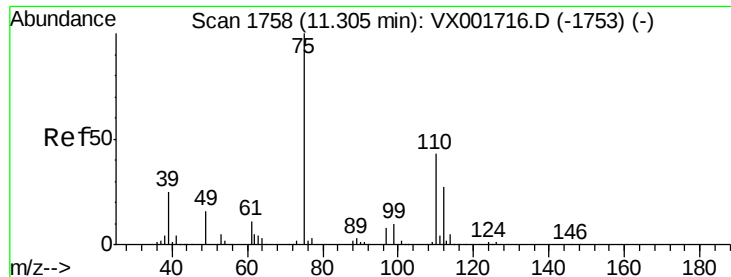


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

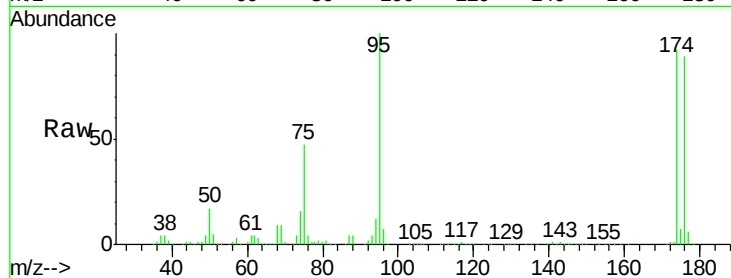
ST008MW305-180507

Tgt Ion: 75 Resp: 82337

Ion Ratio Lower Upper

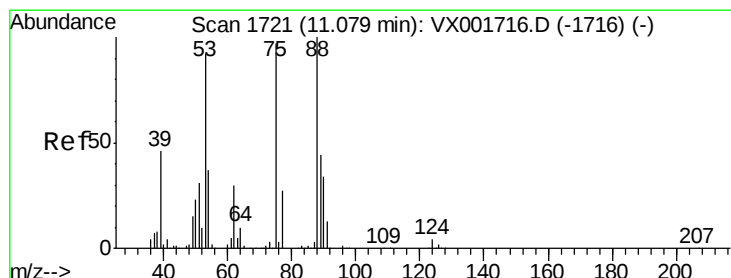
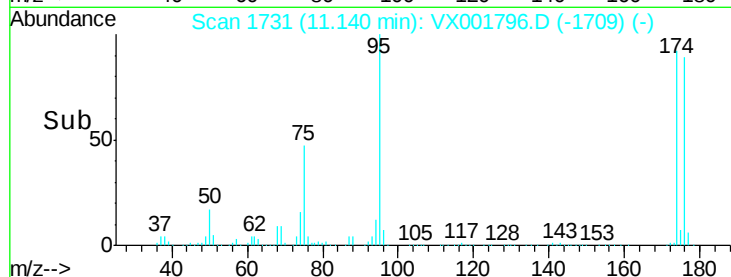
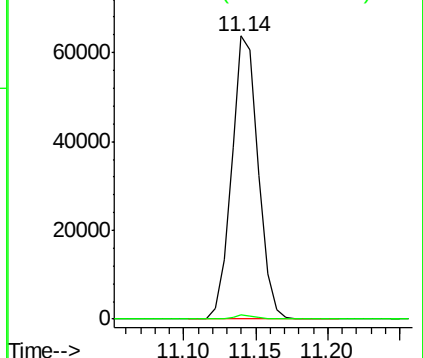
75 100

77 1.3 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: 81.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001796.D

Acq: 17 May 2018 17:47

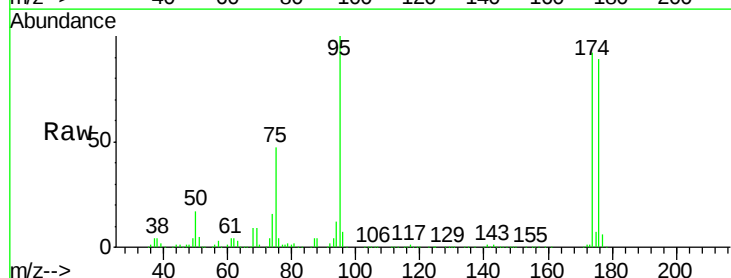
Tgt Ion: 75 Resp: 82337

Ion Ratio Lower Upper

75 100

53 0.1 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

