

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051718\
 Data File : VX001786.D
 Acq On : 17 May 2018 13:19
 Operator : JC/MD
 Sample : J2853-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-180507

Quant Time: May 18 03:55:14 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	300627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	398091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	211089	52.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	180191	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
50) Toluene-d8	8.72	98	628705	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.15	95	186746	43.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.22%	

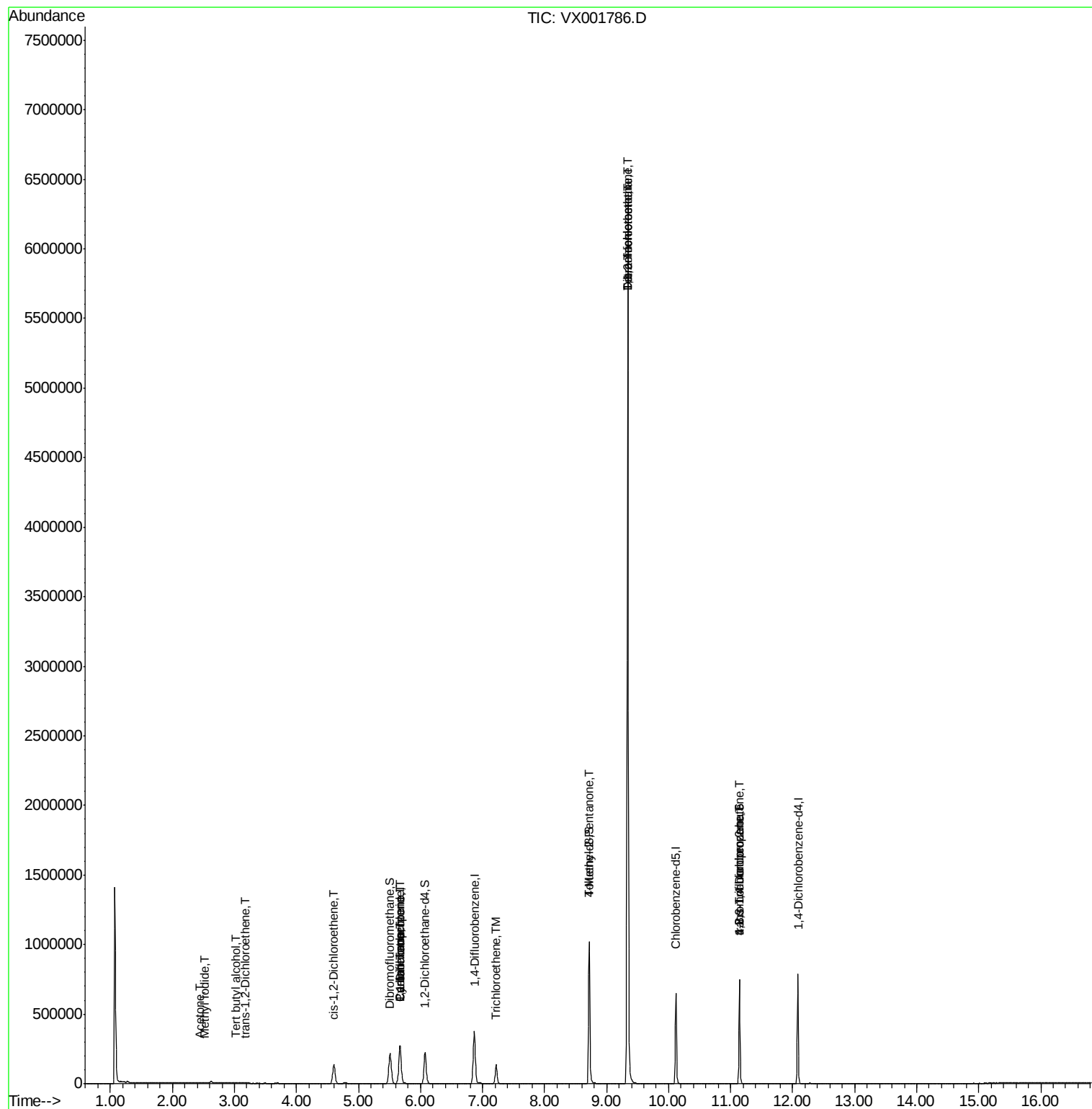
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1317	Below Cal	#	65
10) Methyl Iodide	2.51	142	1618	0.57	ug/l	96
11) Tert butyl alcohol	3.03	59	2603	3.64	ug/l	# 84
16) Acetone	2.45	43	1337	0.84	ug/l	# 86
21) trans-1,2-Dichloroethene	3.17	96	1696	0.52	ug/l	89
27) cis-1,2-Dichloroethene	4.60	96	92368	24.80	ug/l	90
31) Cyclohexane	5.67	56	4541	0.90	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17046	3.72	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	24704	5.15	ug/l	# 15
44) Trichloroethene	7.22	130	57553	13.73	ug/l	97
51) 4-Methyl-2-Pentanone	8.72	43	2797	0.59	ug/l	# 1
55) 1,1,2-Trichloroethane	9.34	97	9479	2.86	ug/l	# 1
60) Dibromochloromethane	9.34	129	1161836	342.12	ug/l	# 11
64) Tetrachloroethene	9.34	164	1409097	326.11	ug/l	97
76) 1,2,3-Trichloropropane	11.15	75	87122	26.60	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.15	75	87122	77.34	ug/l	# 10

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001786.D

Acq: 17 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

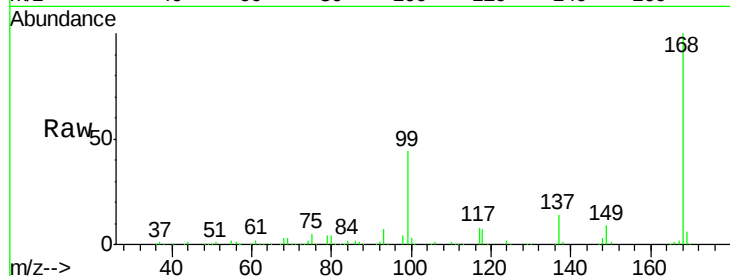
ST008MW336-180507

Tgt Ion:168 Resp: 300627

Ion Ratio Lower Upper

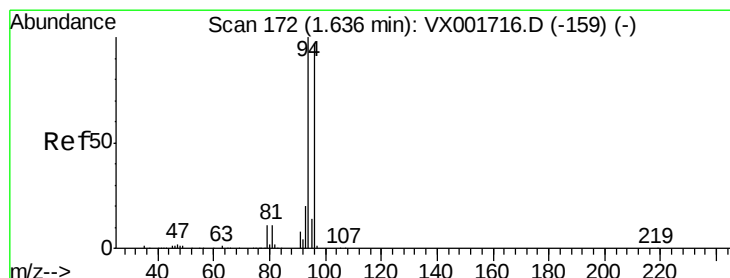
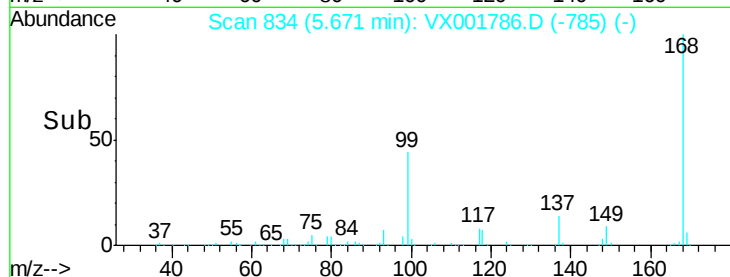
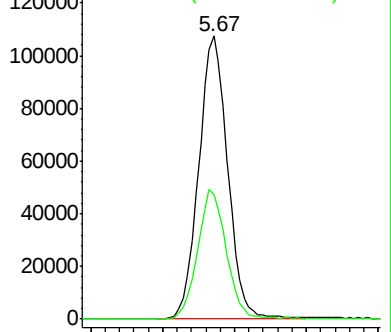
168 100

99 44.1 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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001786.D

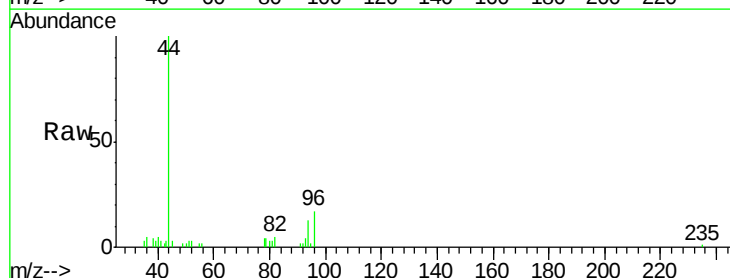
Acq: 17 May 2018 13:19

Tgt Ion: 94 Resp: 1317

Ion Ratio Lower Upper

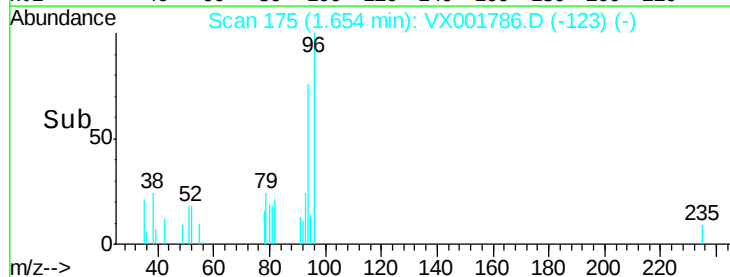
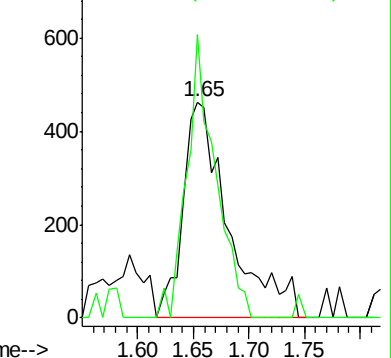
94 100

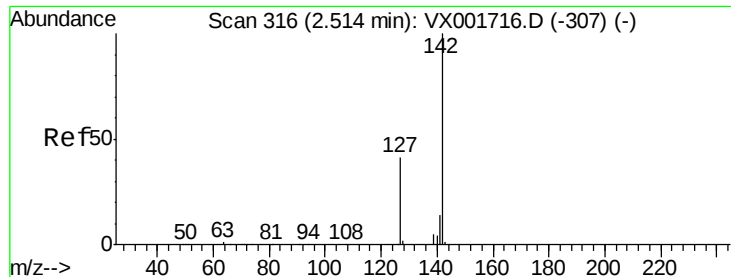
96 131.4 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

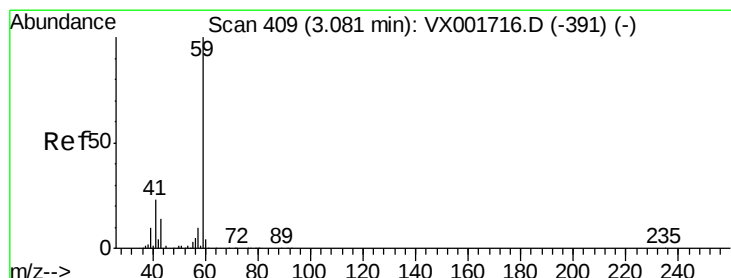
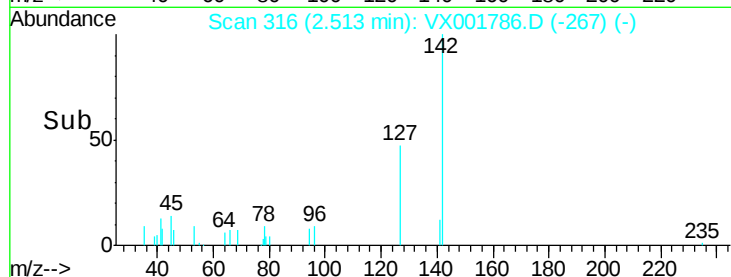
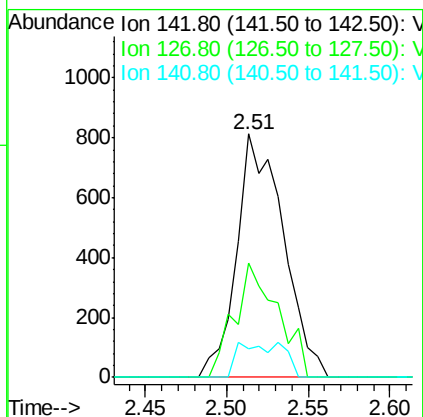
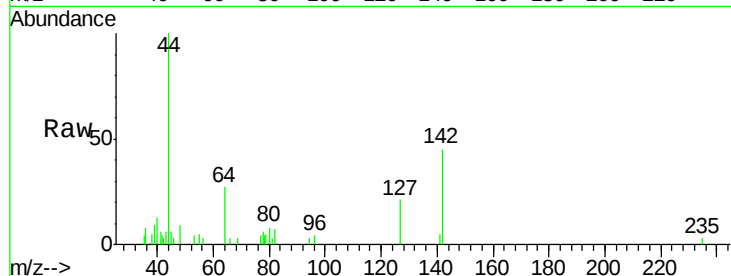




#10
Methyl Iodide
Concen: 0.57 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

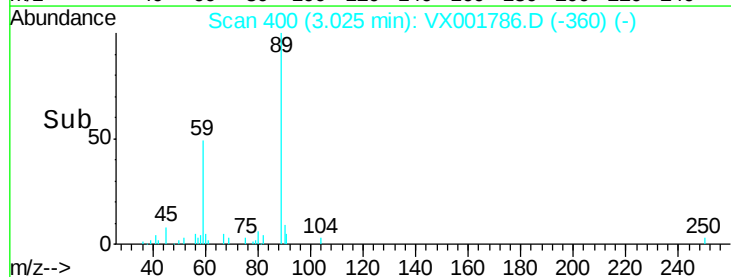
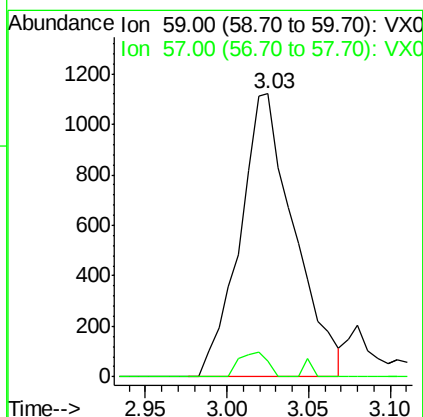
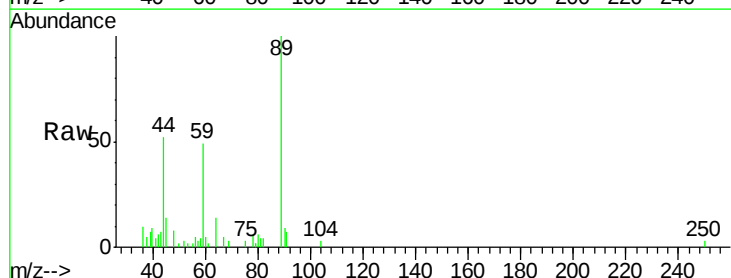
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-180507

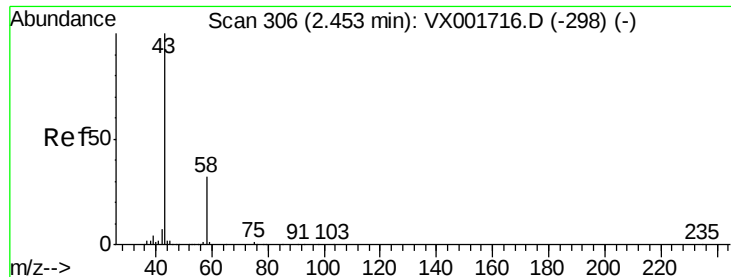
Tgt Ion:142 Resp: 1618
Ion Ratio Lower Upper
142 100
127 43.9 32.5 48.7
141 13.5 11.4 17.0



#11
Tert butyl alcohol
Concen: 3.64 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

Tgt Ion: 59 Resp: 2603
Ion Ratio Lower Upper
59 100
57 4.5 8.5 12.7#

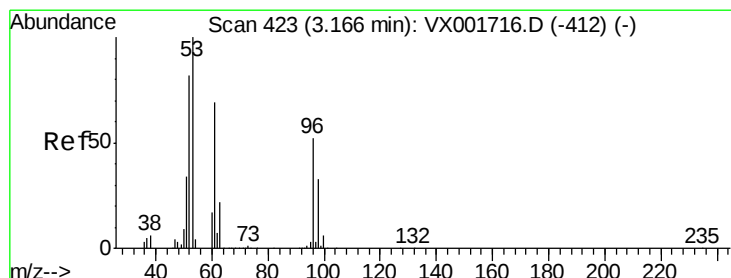
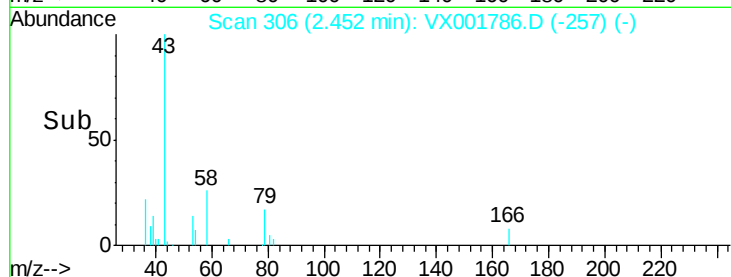
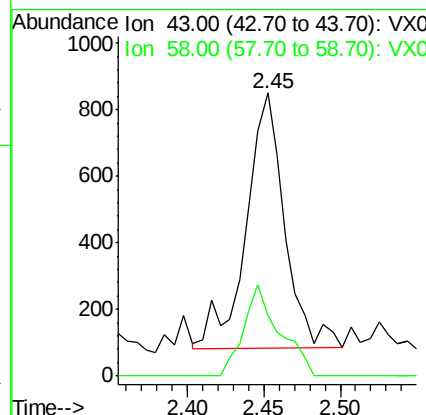
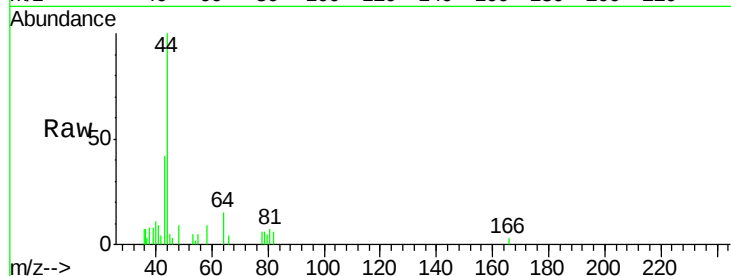




#16
Acetone
Concen: 0.84 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

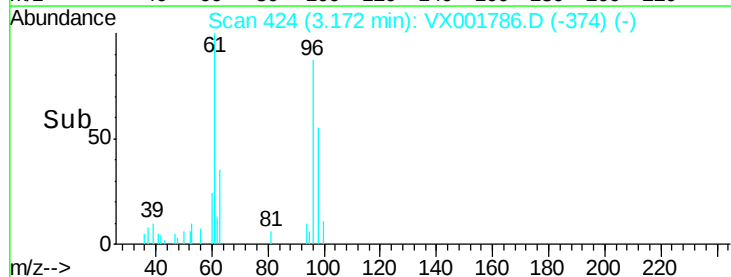
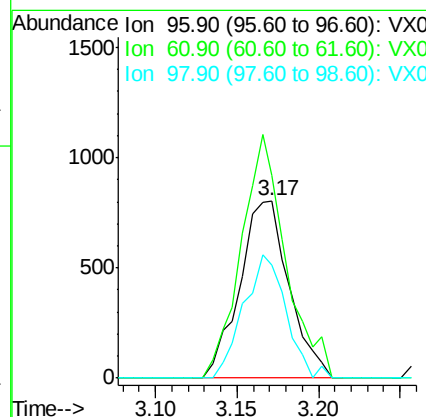
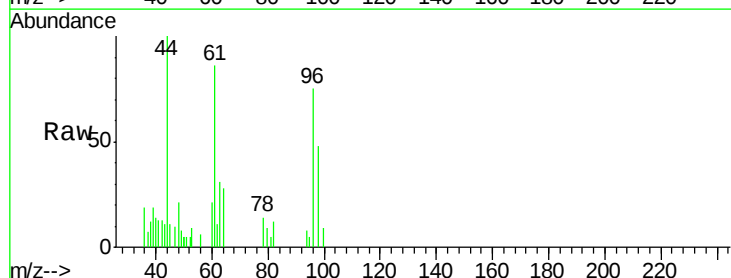
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-180507

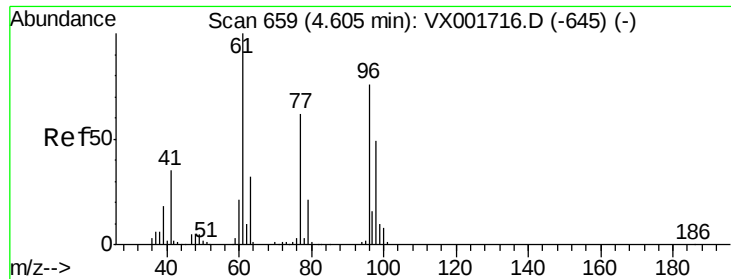
Tgt Ion: 43 Resp: 1337
Ion Ratio Lower Upper
43 100
58 24.0 25.3 37.9#



#21
trans-1,2-Dichloroethene
Concen: 0.52 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

Tgt Ion: 96 Resp: 1696
Ion Ratio Lower Upper
96 100
61 114.5 105.8 158.8
98 63.5 50.2 75.4



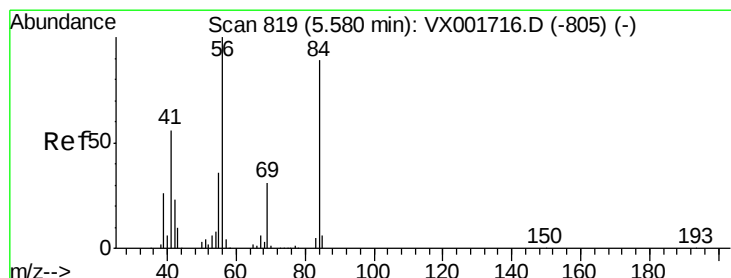
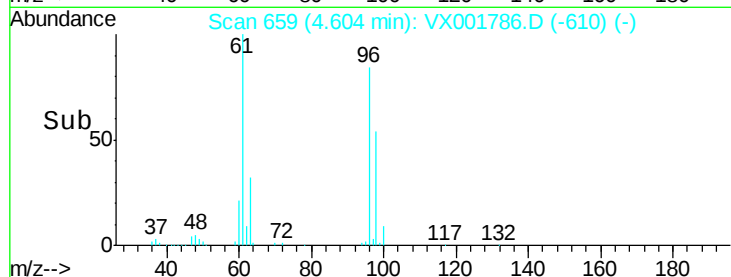
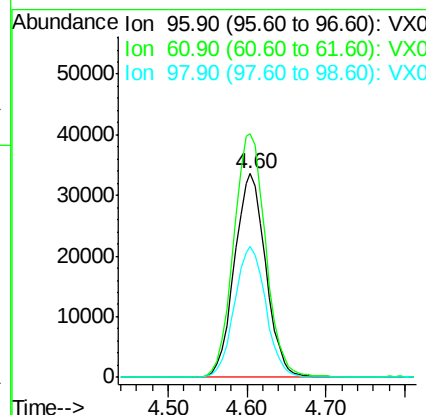
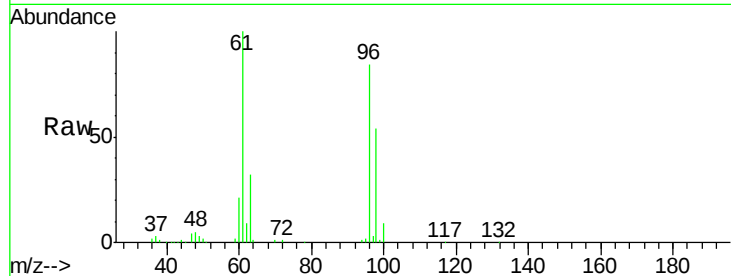


#27

cis-1,2-Dichloroethene
Concen: 24.80 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-180507

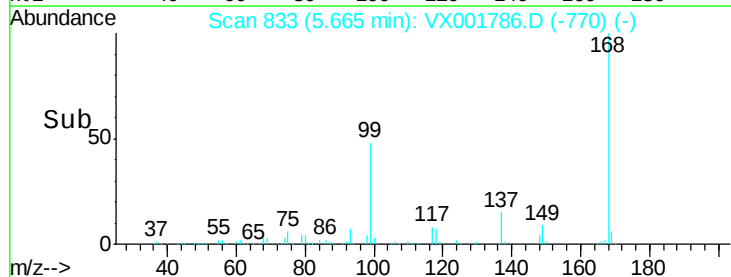
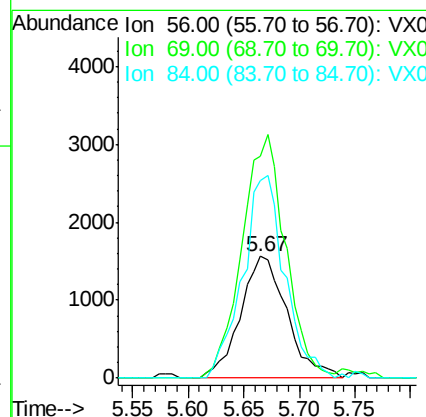
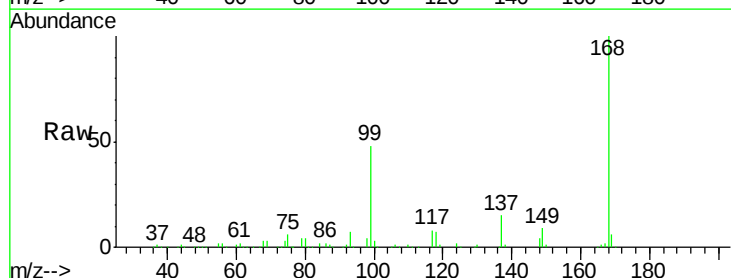
Tgt Ion: 96 Resp: 92368
Ion Ratio Lower Upper
96 100
61 123.2 0.0 280.4
98 64.4 0.0 128.4

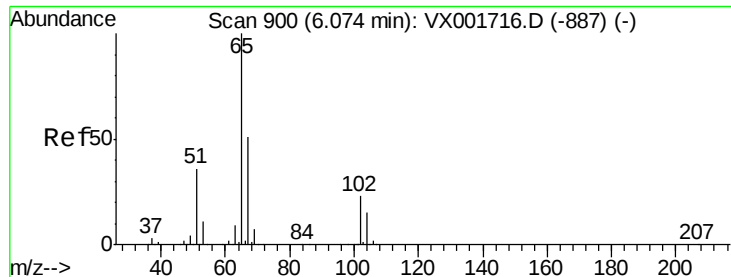


#31

Cyclohexane
Concen: 0.90 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

Tgt Ion: 56 Resp: 4541
Ion Ratio Lower Upper
56 100
69 182.8 25.0 37.6#
84 161.8 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 52.39 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001786.D

Acq: 17 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

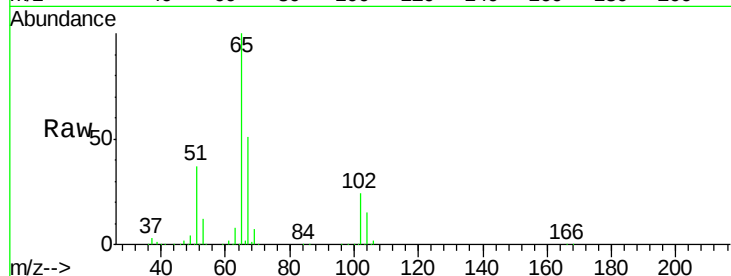
ST008MW336-180507

Tgt Ion: 65 Resp: 211089

Ion Ratio Lower Upper

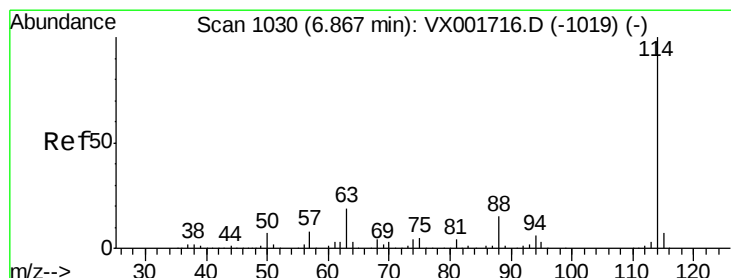
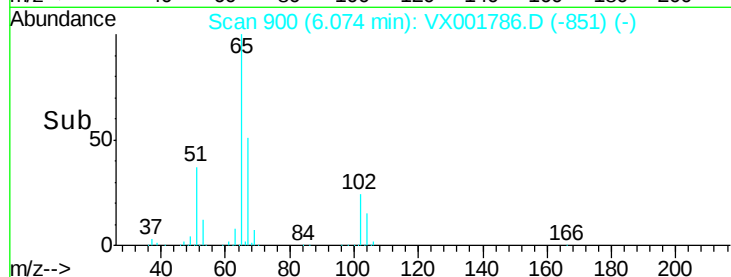
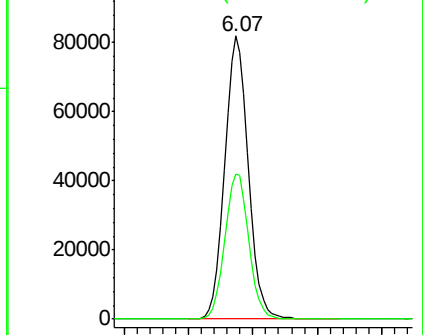
65 100

67 52.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001786.D

Acq: 17 May 2018 13:19

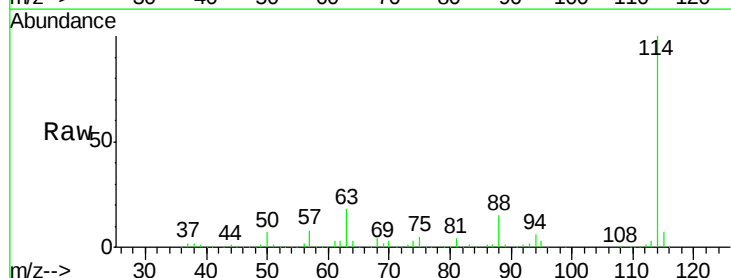
Tgt Ion: 114 Resp: 398091

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.0

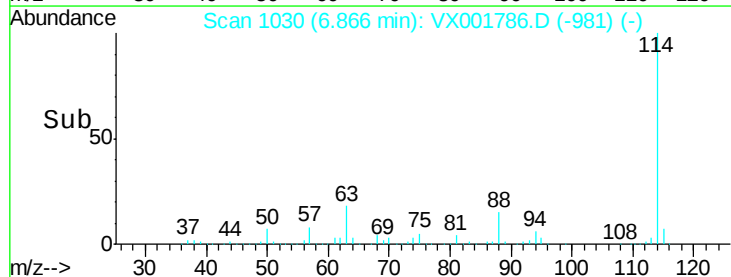
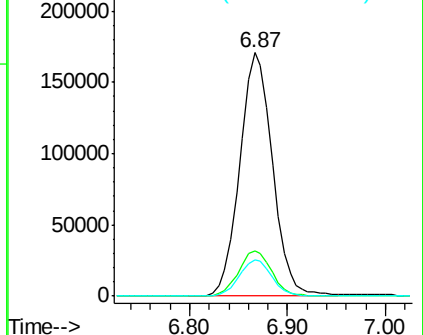
88 14.7 0.0 29.8

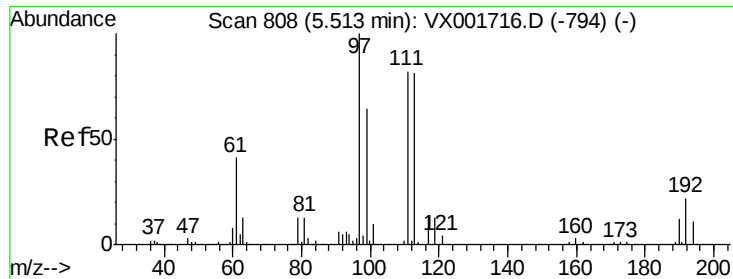


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.64 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001786.D

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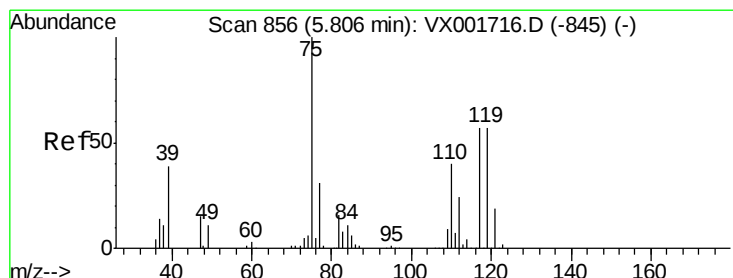
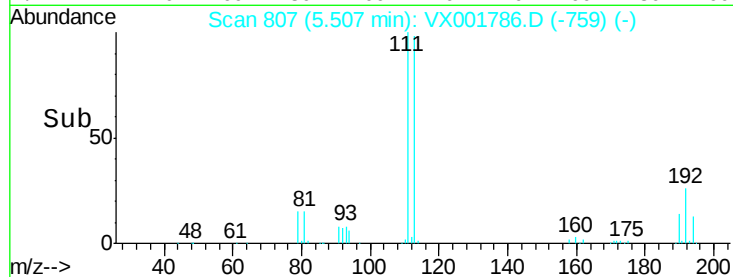
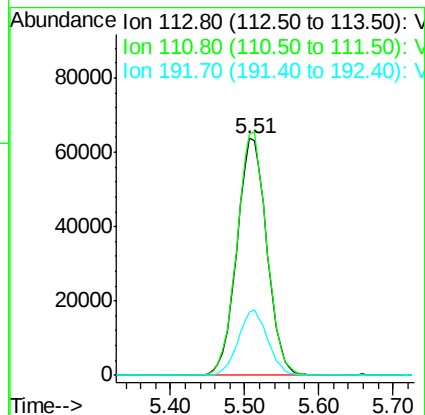
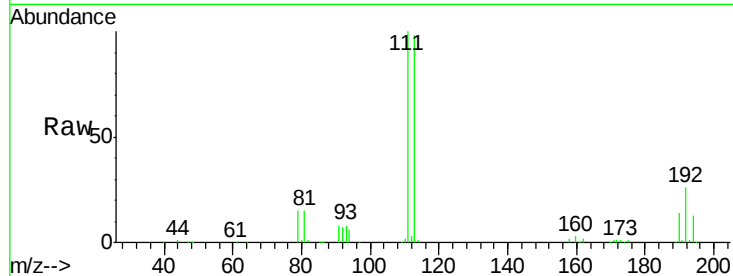
Tgt Ion:113 Resp: 180191

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

192 27.2 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001786.D

Acq: 17 May 2018 13:19

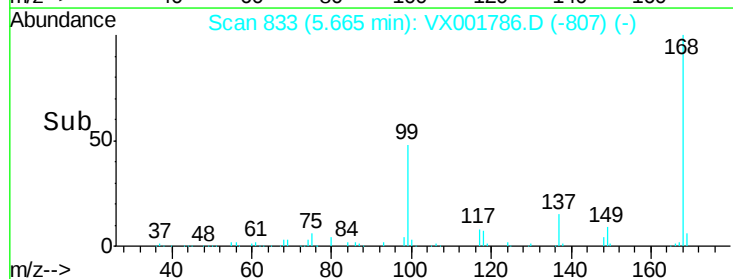
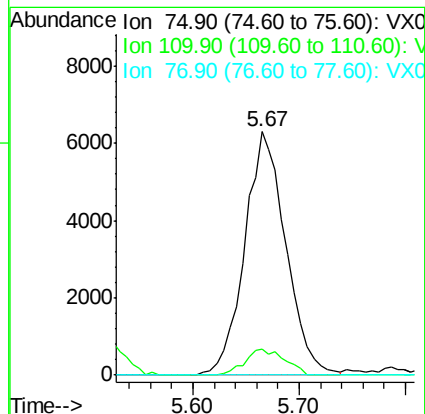
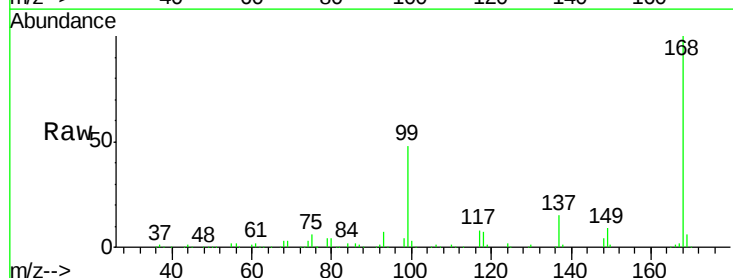
Tgt Ion: 75 Resp: 17046

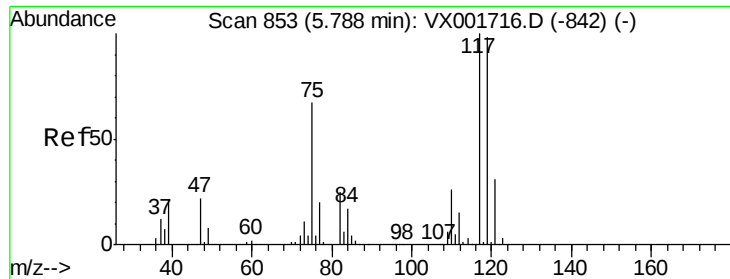
Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.1#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001786.D

Acq: 17 May 2018 13:19

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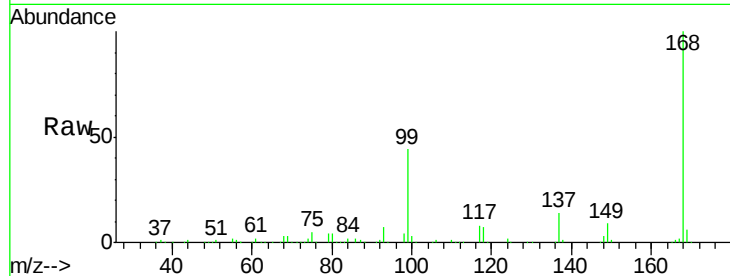
Tgt Ion:117 Resp: 24704

Ion Ratio Lower Upper

117 100

119 4.6 77.6 116.4#

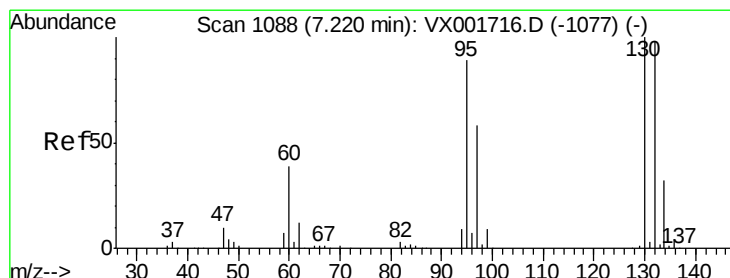
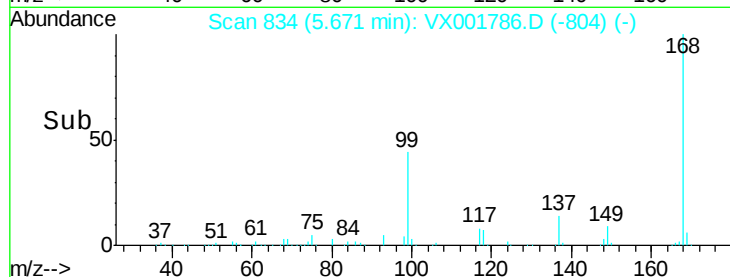
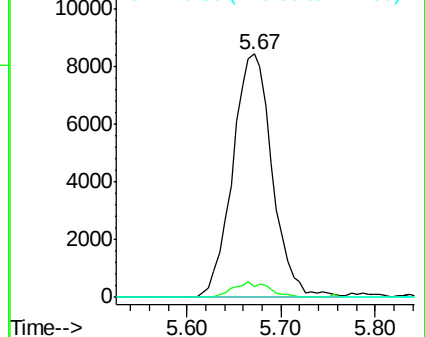
121 0.0 24.6 36.8#



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: 13.73 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001786.D

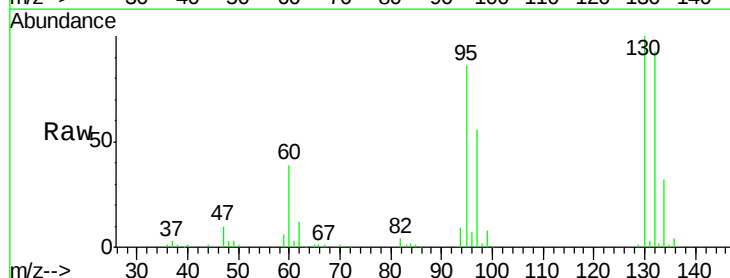
Acq: 17 May 2018 13:19

Tgt Ion:130 Resp: 57553

Ion Ratio Lower Upper

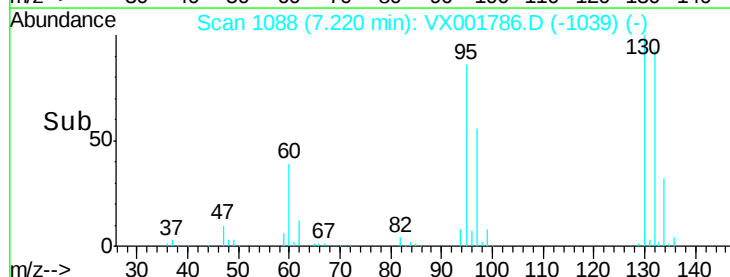
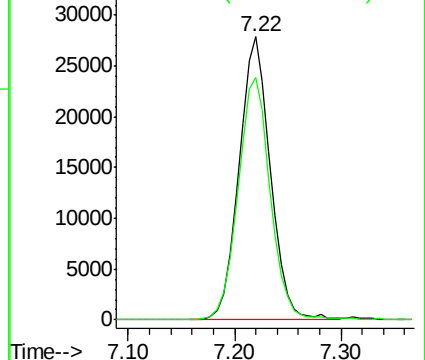
130 100

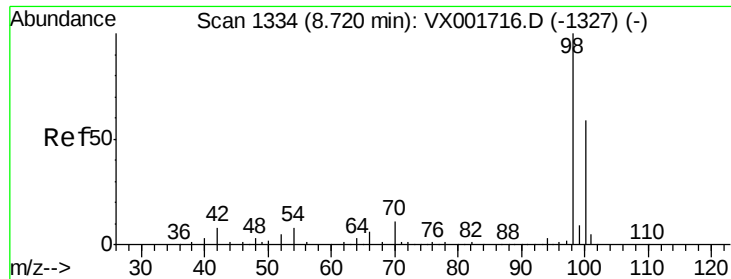
95 85.9 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

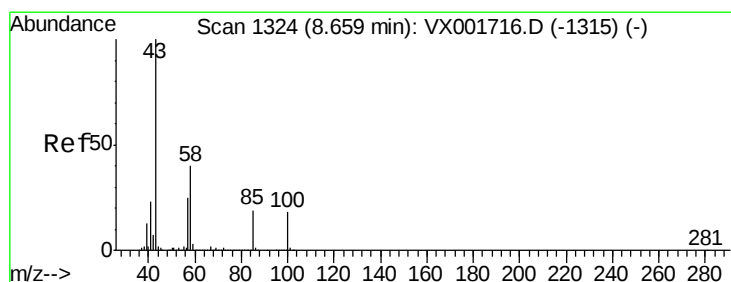
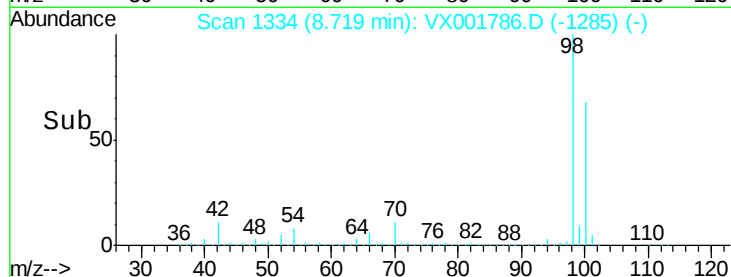
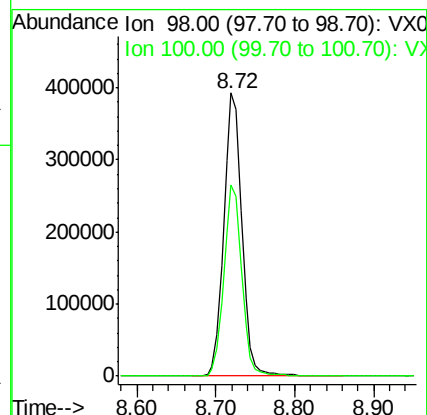
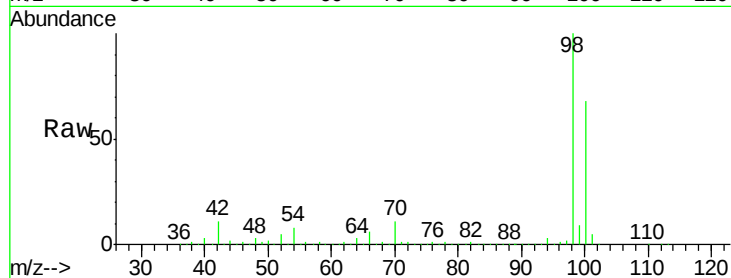




#50
Toluene-d8
Concen: 52.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

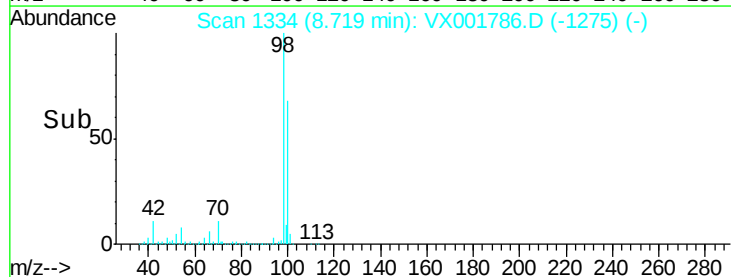
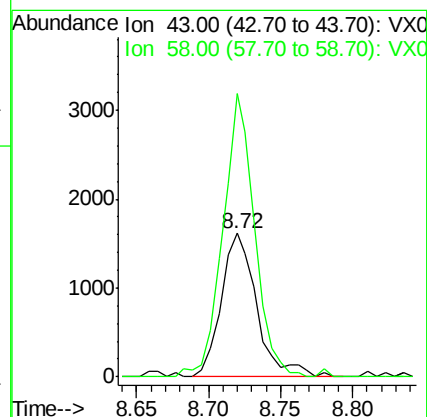
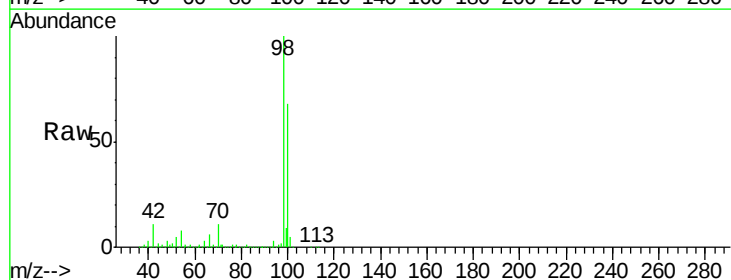
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-180507

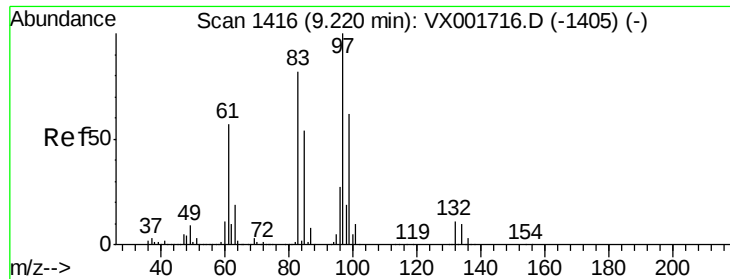
Tgt Ion: 98 Resp: 628705
Ion Ratio Lower Upper
98 100
100 67.0 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
58 175.8 31.4 47.0#

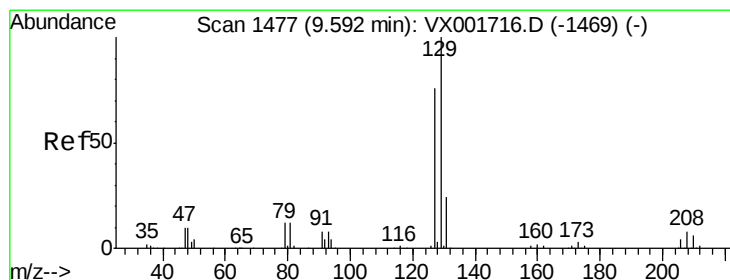
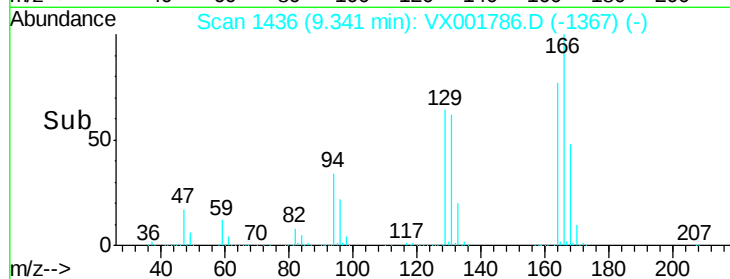
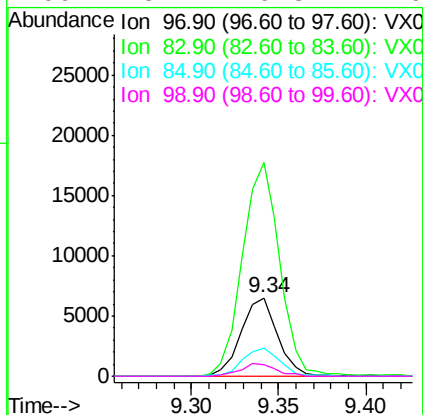
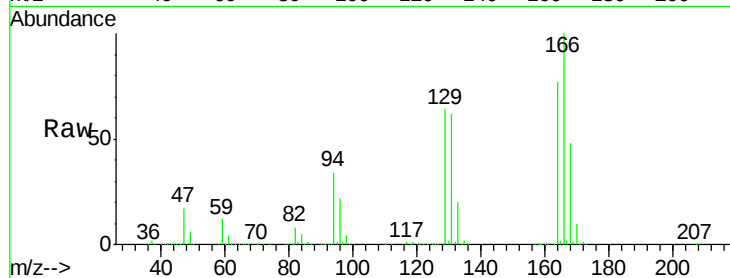




#55
 1,1,2-Trichloroethane
 Concen: 2.86 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: VX001786.D
 Acq: 17 May 2018 13:19

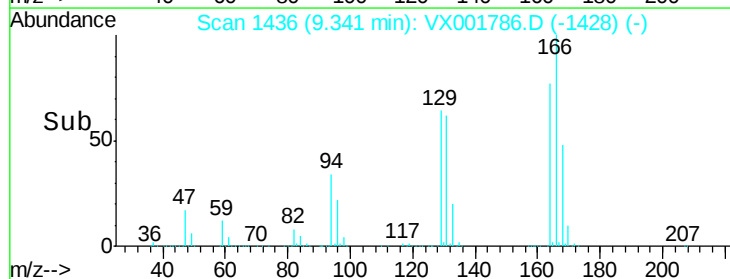
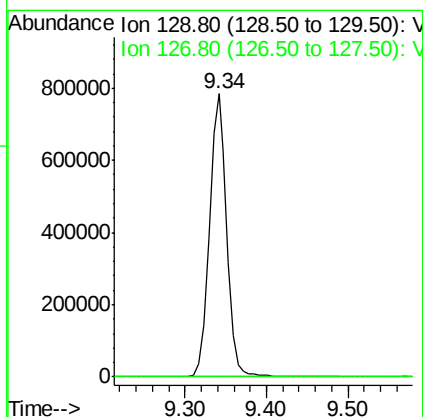
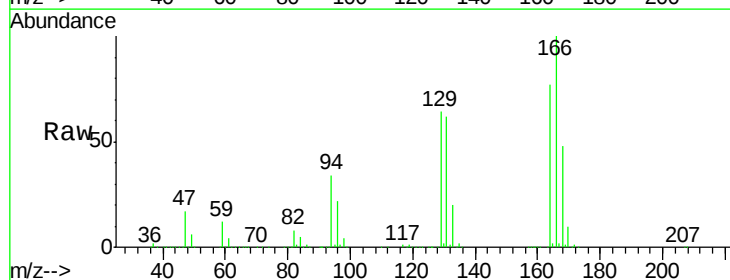
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-180507

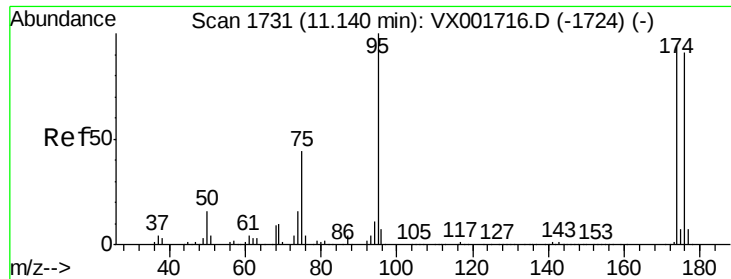
Tgt Ion: 97 Resp: 9479
 Ion Ratio Lower Upper
 97 100
 83 272.4 65.8 98.8#
 85 35.4 43.4 65.0#
 99 15.1 49.8 74.6#



#60
 Dibromochloromethane
 Concen: 342.12 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001786.D
 Acq: 17 May 2018 13:19

Tgt Ion: 129 Resp: 1161836
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#

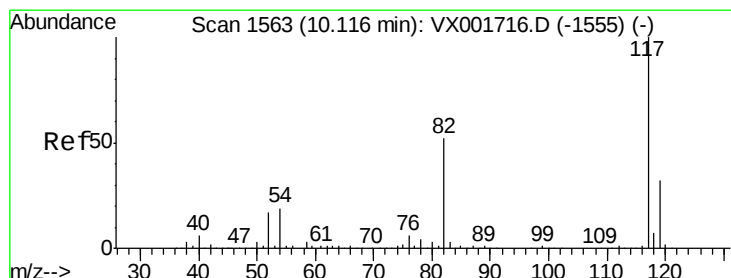
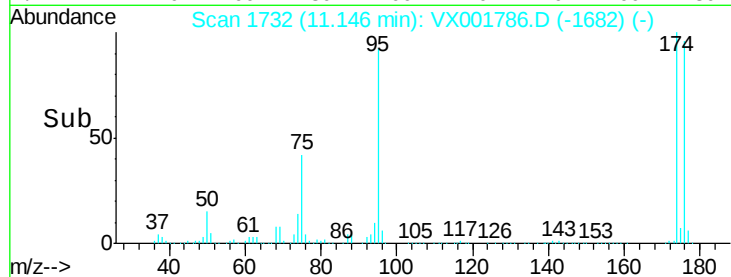
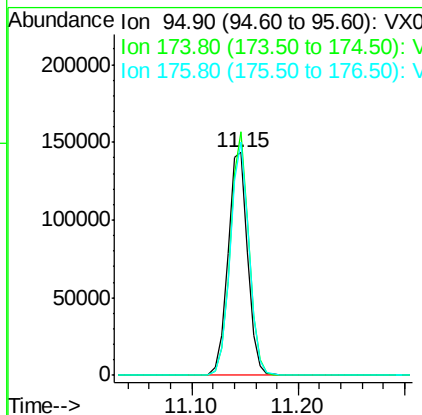
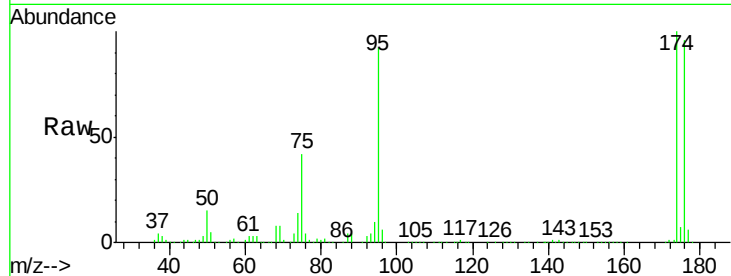




#62
4-Bromofluorobenzene
Concen: 43.11 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

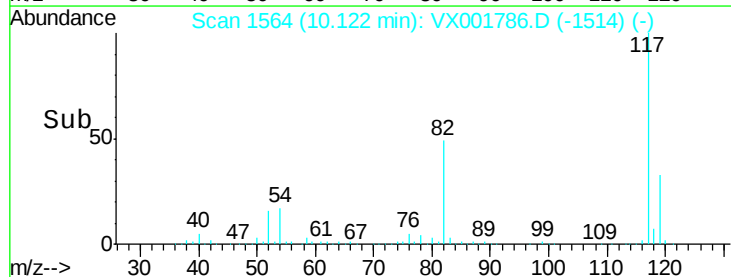
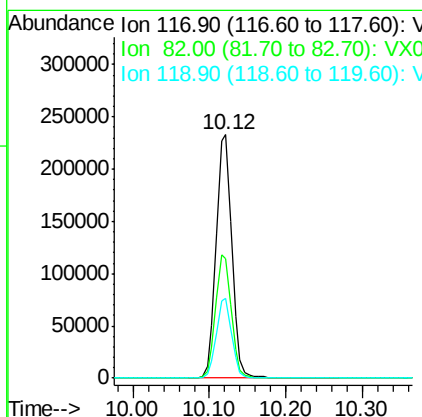
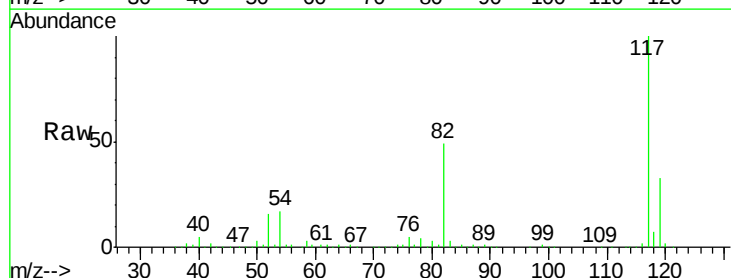
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-180507

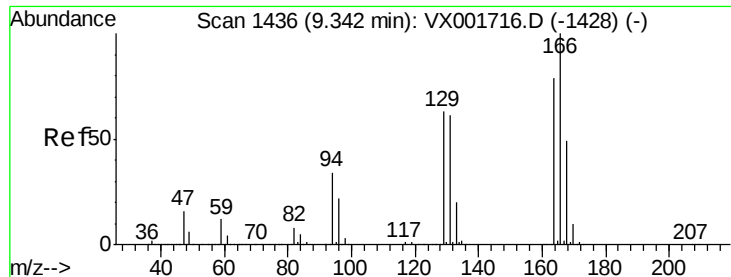
Tgt Ion: 95 Resp: 186746
Ion Ratio Lower Upper
95 100
174 102.5 0.0 201.8
176 99.8 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001786.D
Acq: 17 May 2018 13:19

Tgt Ion: 117 Resp: 331926
Ion Ratio Lower Upper
117 100
82 49.1 41.4 62.2
119 32.9 25.6 38.4





#64

Tetrachloroethene

Concen: 326.11 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001786.D

Acq: 17 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-180507

Tgt Ion:164 Resp: 1409097

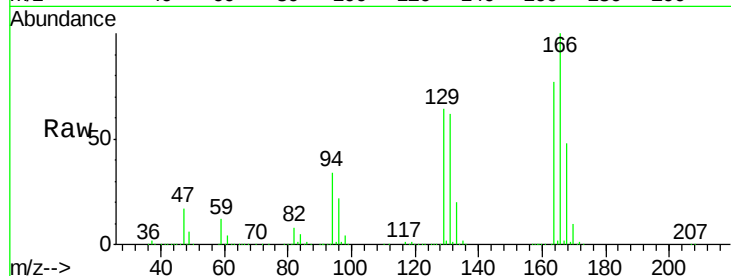
Ion Ratio Lower Upper

164 100

166 129.0 101.8 152.8

129 83.0 63.8 95.6

131 80.6 62.2 93.2

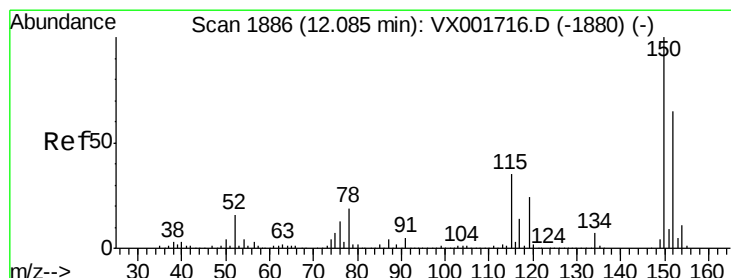
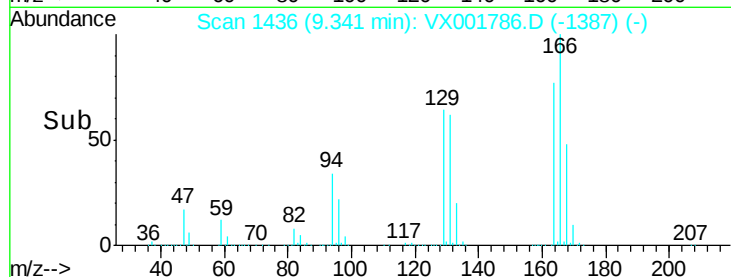
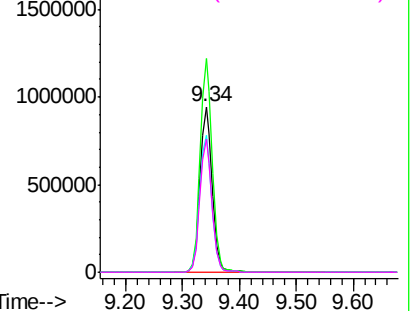


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX001786.D

Acq: 17 May 2018 13:19

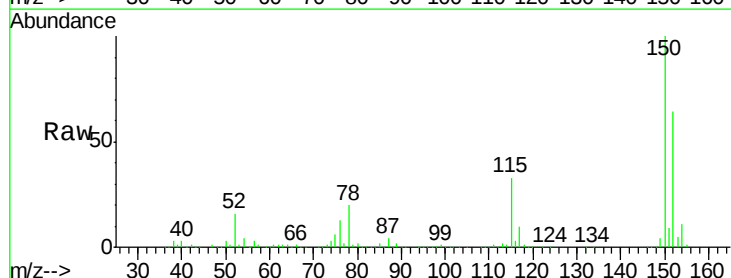
Tgt Ion:152 Resp: 172229

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

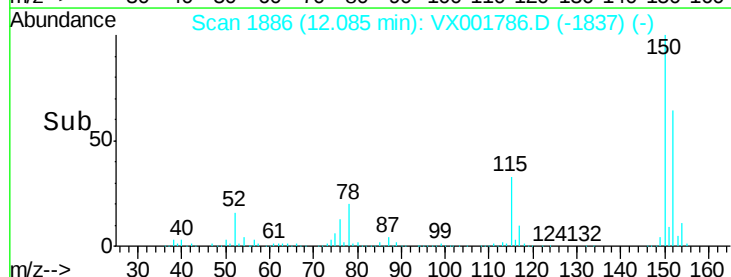
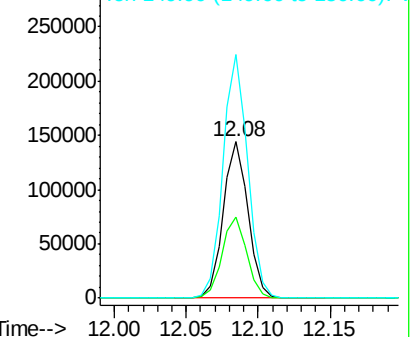
150 155.7 0.0 344.8

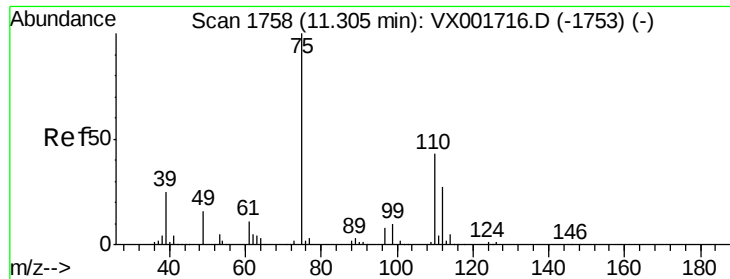


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

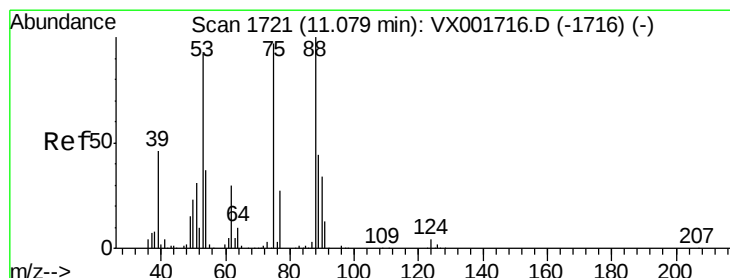
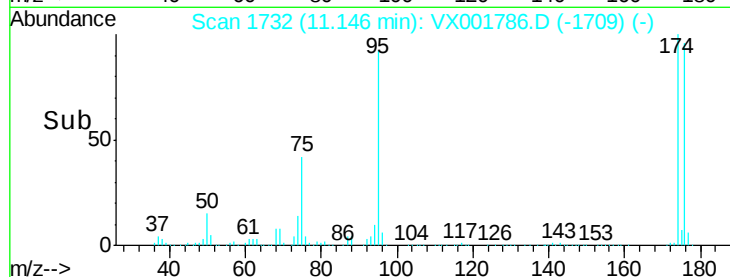
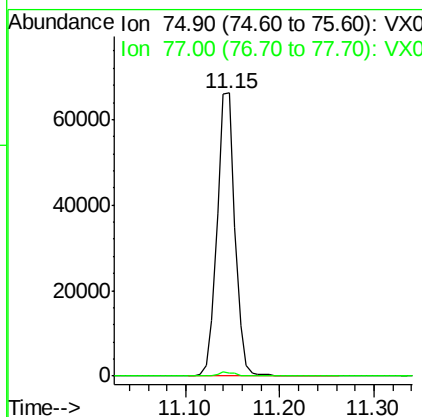
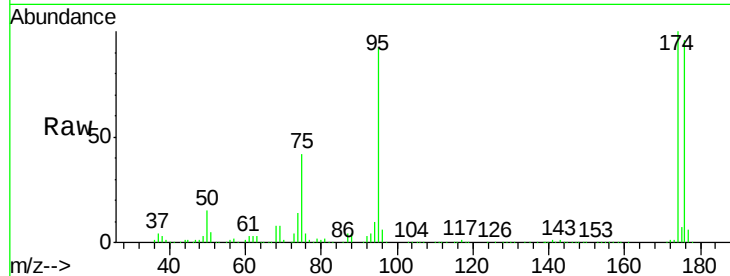




#76
 1,2,3-Trichloropropane
 Concen: 26.60 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX001786.D
 Acq: 17 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-180507

Tgt Ion: 75 Resp: 87122
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.34 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX001786.D
 Acq: 17 May 2018 13:19

Tgt Ion: 75 Resp: 87122
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

