

Data File : VX001674.D

Acq On : 12 May 2018 18:29

Operator : JC/MD

Sample : J2741-19DL 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 17 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502DL

Quant Time: May 14 06:02:39 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173130	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
35) Dibromofluoromethane	5.51	113	137331	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	
50) Toluene-d8	8.72	98	485505	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	
62) 4-Bromofluorobenzene	11.14	95	157518	35.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.60%	

Target Compounds

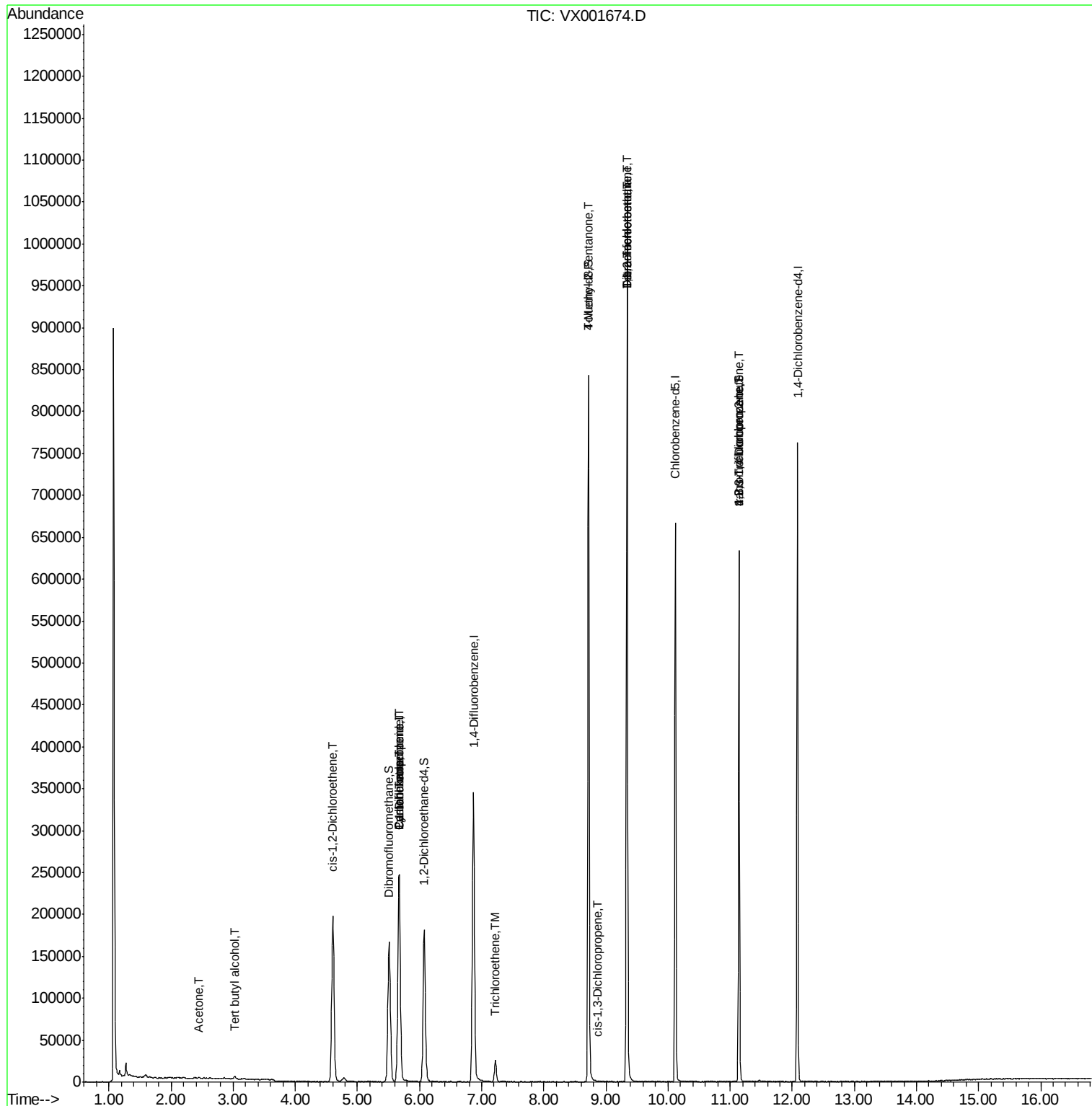
						Qvalue
5) Bromomethane	1.65	94	975	Below Cal	#	70
11) Tert butyl alcohol	3.02	59	2255	2.82	ug/l #	72
13) Acrolein	2.31	56	96	Below Cal	#	24
16) Acetone	2.45	43	907	0.53	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	127002	36.57	ug/l	86
31) Cyclohexane	5.67	56	4128	0.85	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16554	3.69	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23204	4.85	ug/l #	16
44) Trichloroethene	7.22	130	10018	2.50	ug/l	93
51) 4-Methyl-2-Pentanone	8.72	43	2361	0.47	ug/l #	1
54) cis-1,3-Dichloropropene	8.87	75	19	2.27	ug/l #	23
55) 1,1,2-Trichloroethane	9.34	97	1601	0.46	ug/l #	1
60) Dibromochloromethane	9.34	129	192312	54.36	ug/l #	11
64) Tetrachloroethene	9.34	164	230442	52.55	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	77181	22.76	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	77181	70.65	ug/l #	7

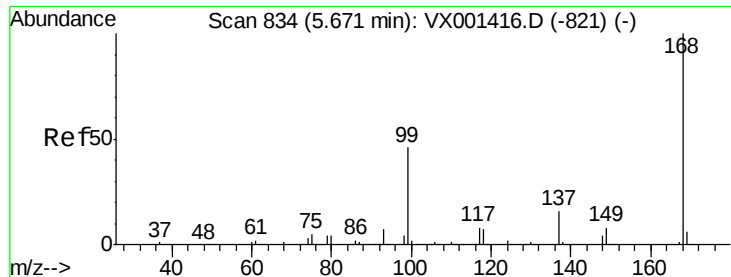
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001674.D

Acq: 12 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

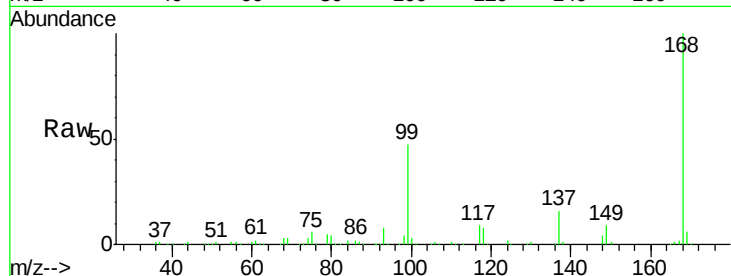
ST008MW167-180502DL

Tgt Ion:168 Resp: 264056

Ion Ratio Lower Upper

168 100

99 46.9 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

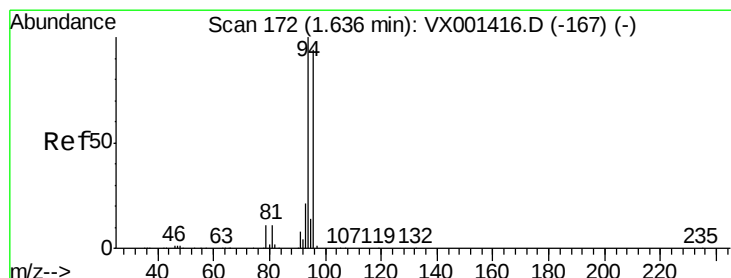
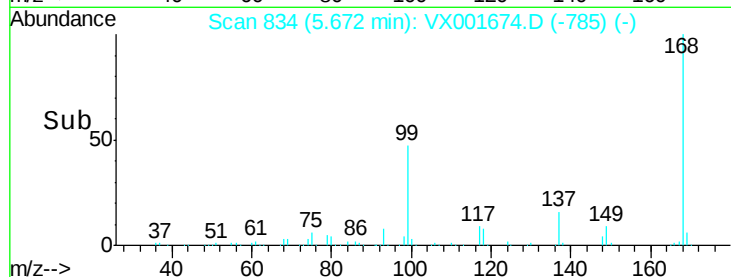
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001674.D

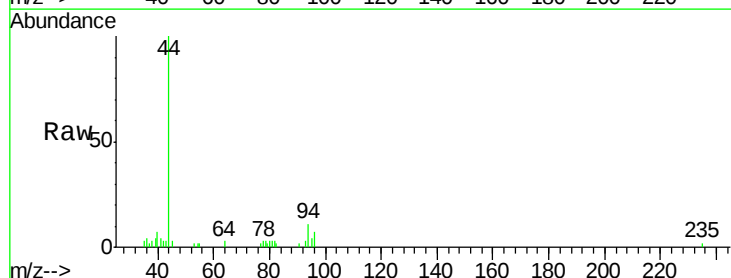
Acq: 12 May 2018 18:29

Tgt Ion: 94 Resp: 975

Ion Ratio Lower Upper

94 100

96 64.6 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

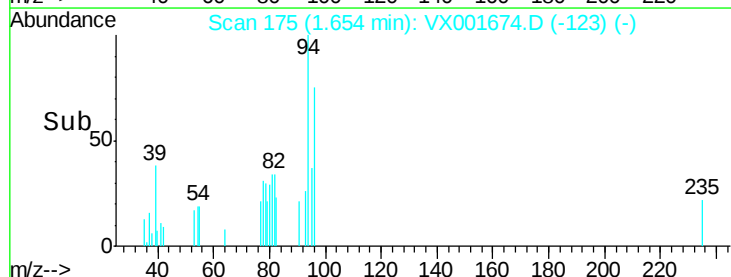
300

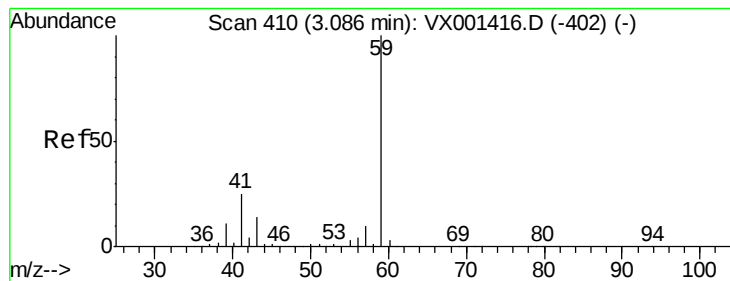
200

100

0

Time--> 1.60 1.65 1.70 1.75



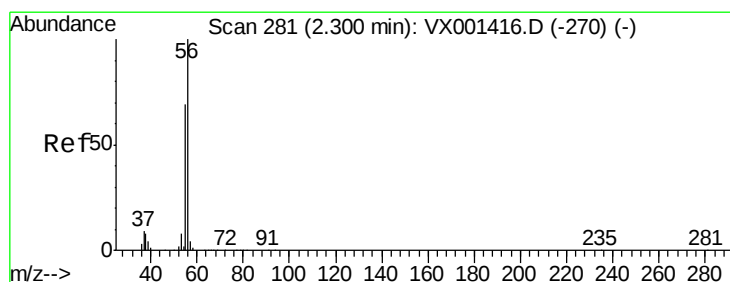
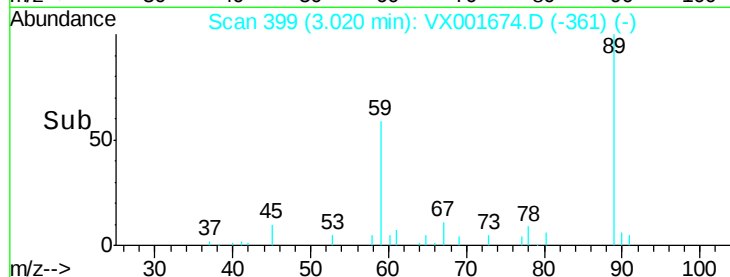
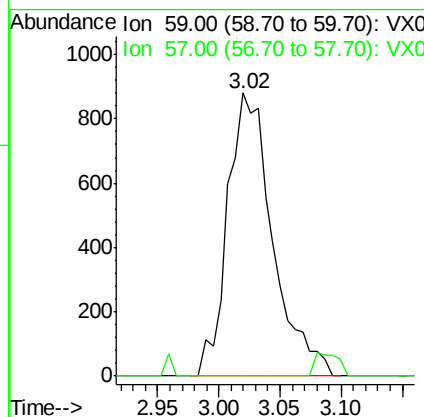
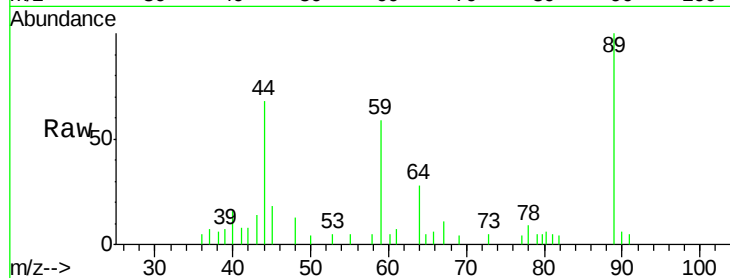


#11

Tert butyl alcohol
 Concen: 2.82 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.07 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502DL

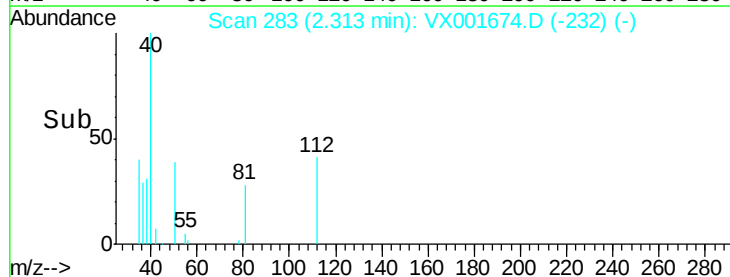
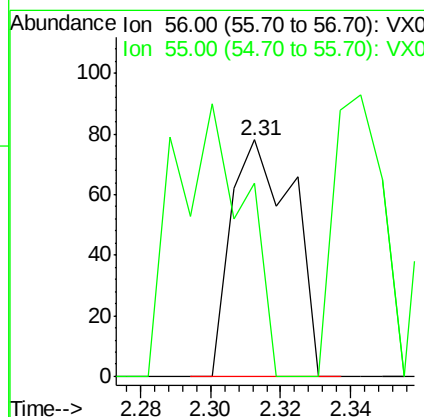
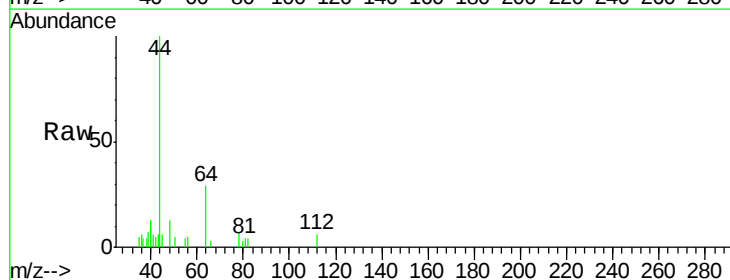
Tgt Ion: 59 Resp: 2255
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

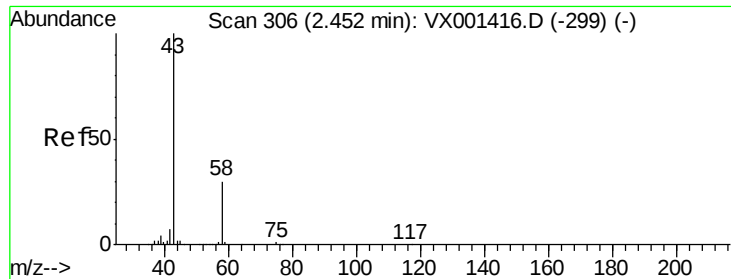


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Tgt Ion: 56 Resp: 96
 Ion Ratio Lower Upper
 56 100
 55 129.2 54.5 81.7#





#16

Acetone

Concen: 0.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

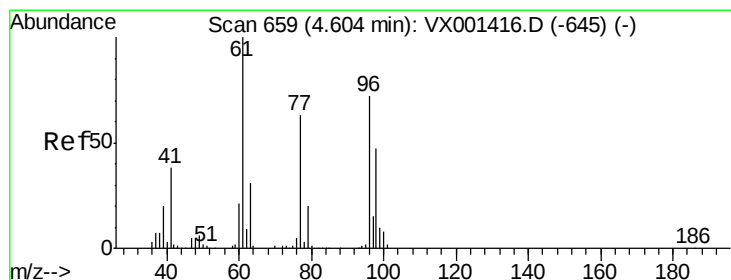
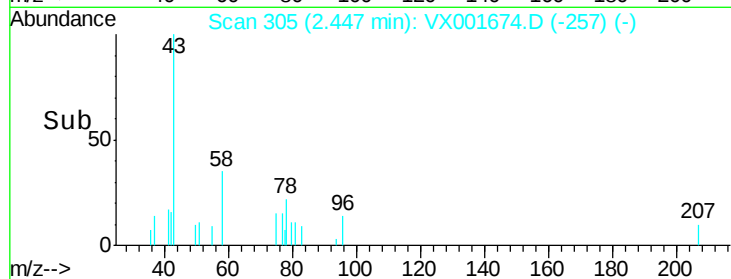
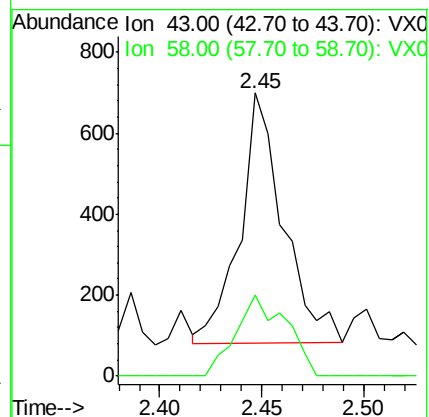
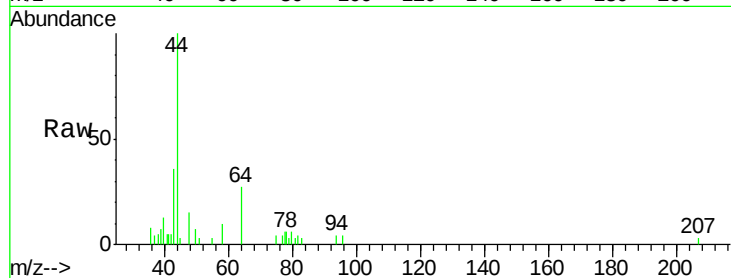
ST008MW167-180502DL

Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 32.4 23.8 35.8



#27

cis-1,2-Dichloroethene

Concen: 36.57 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

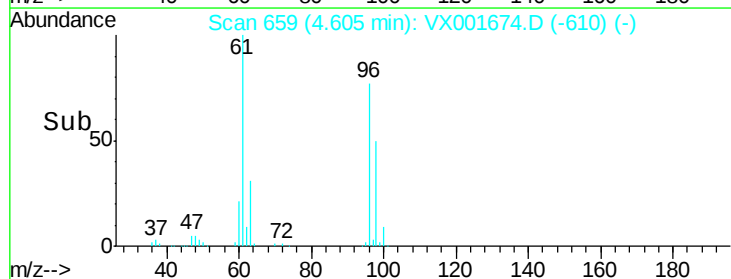
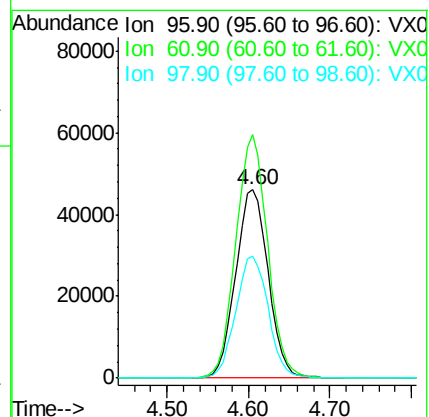
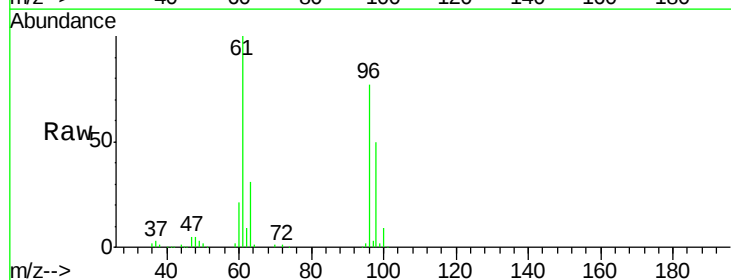
Tgt Ion: 96 Resp: 127002

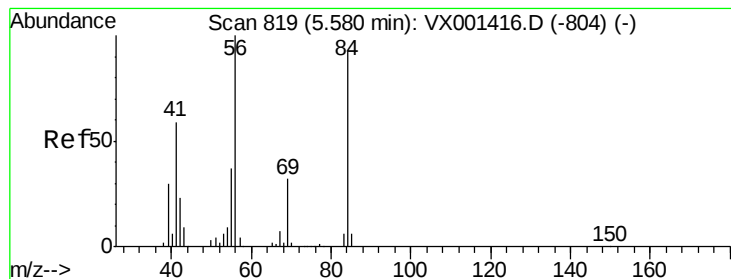
Ion Ratio Lower Upper

96 100

61 126.3 0.0 301.6

98 64.7 0.0 131.6





#31

Cyclohexane

Concen: 0.85 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502DL

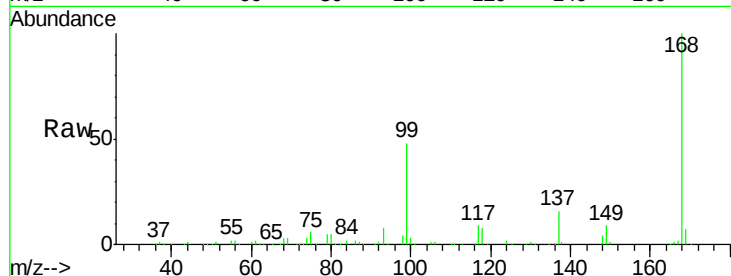
Tgt Ion: 56 Resp: 4128

Ion Ratio Lower Upper

56 100

69 170.0 25.4 38.0#

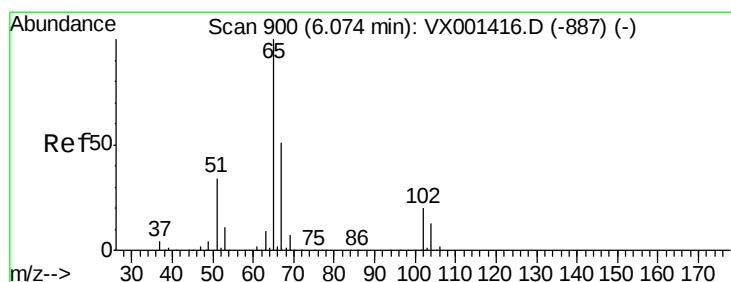
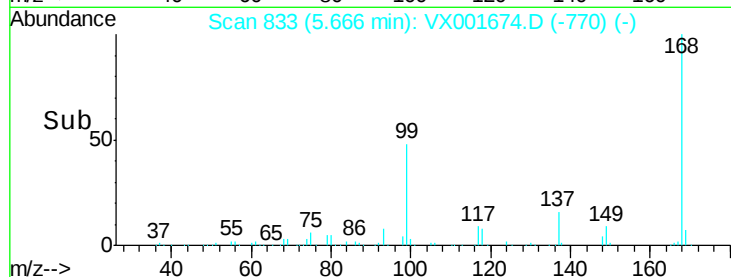
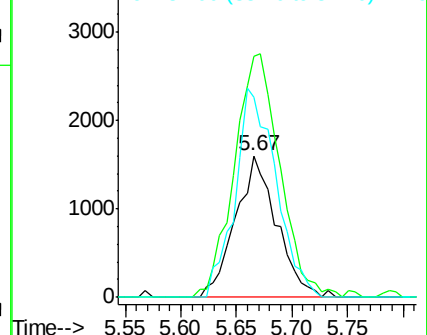
84 141.1 73.8 110.8#



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: 45.62 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001674.D

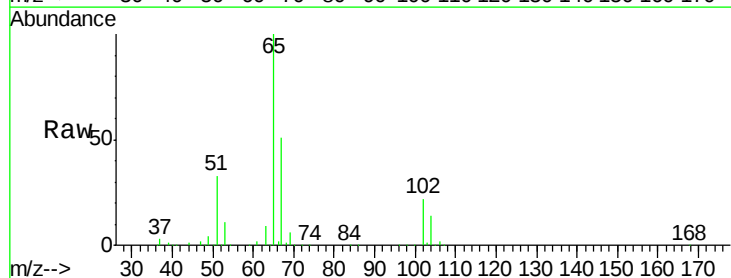
Acq: 12 May 2018 18:29

Tgt Ion: 65 Resp: 173130

Ion Ratio Lower Upper

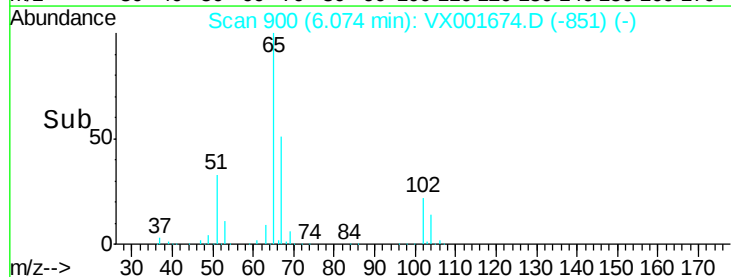
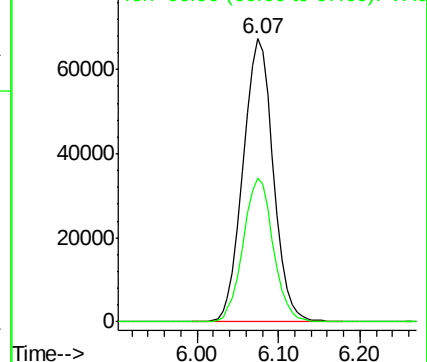
65 100

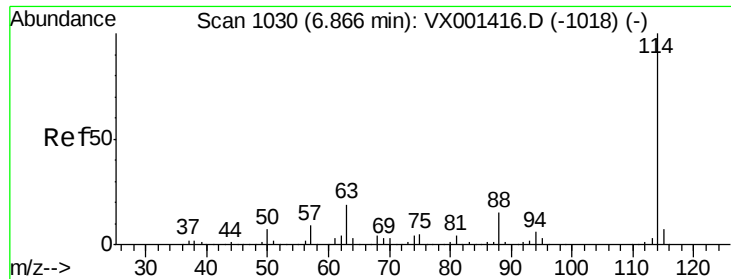
67 50.5 0.0 101.8



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: VX001674.D

Acq: 12 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502DL

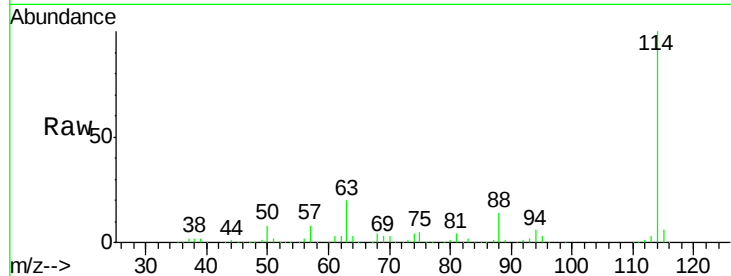
Tgt Ion:114 Resp: 352989

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

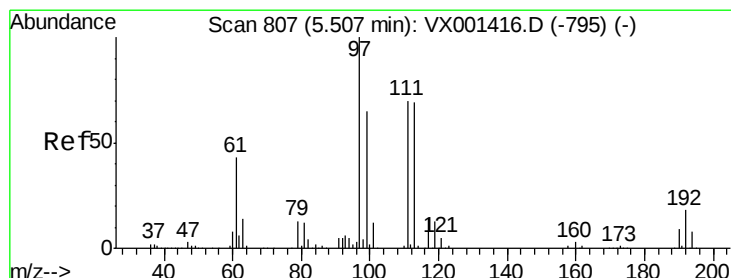
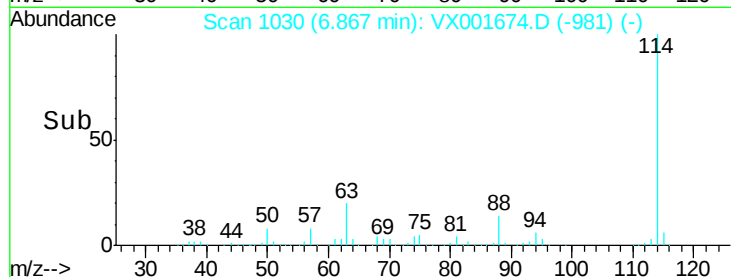
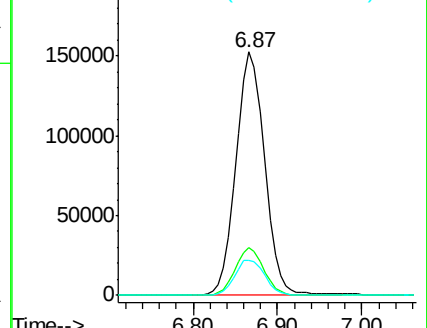
88 14.3 0.0 30.8



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: 43.74 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

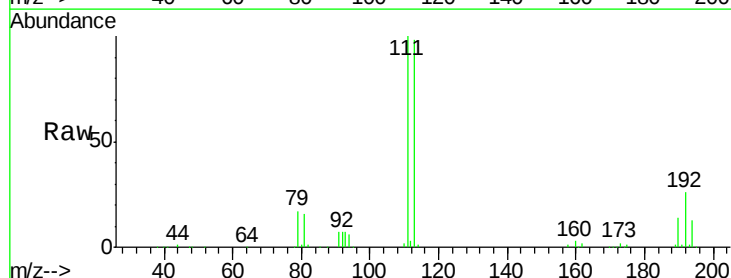
Tgt Ion:113 Resp: 137331

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

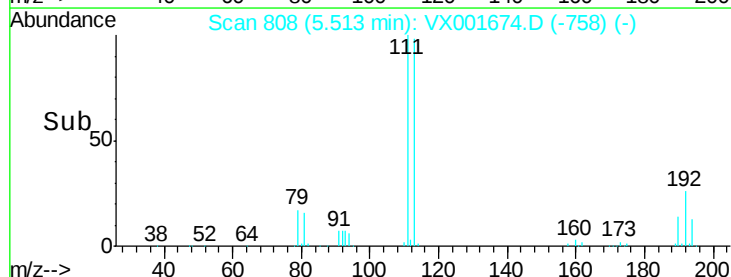
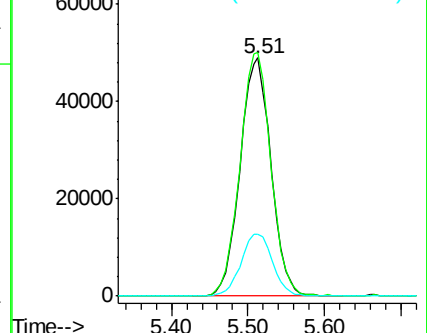
192 26.8 21.4 32.0

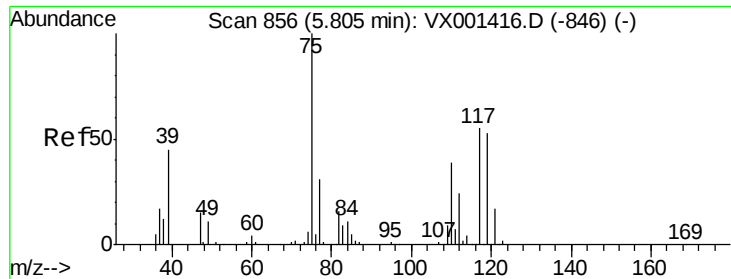


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

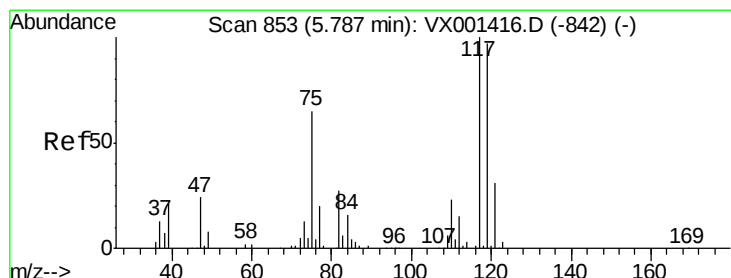
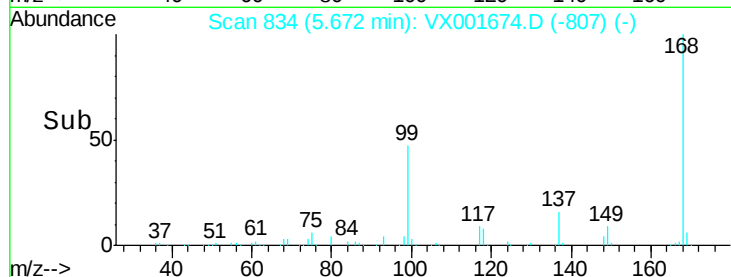
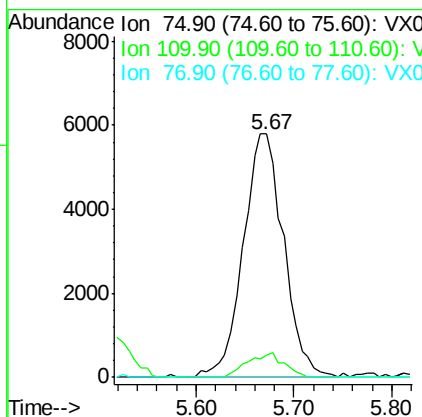
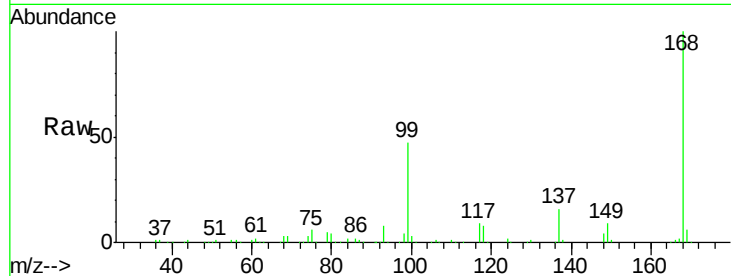




#36
 1,1-Dichloropropene
 Concen: 3.69 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

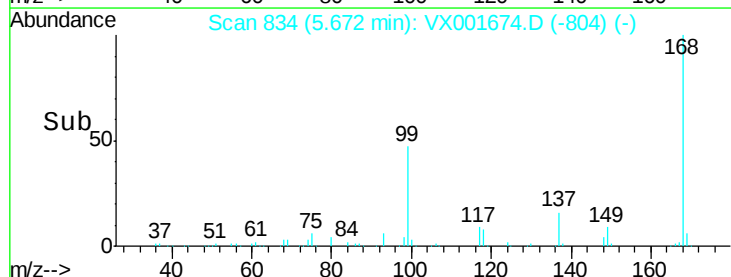
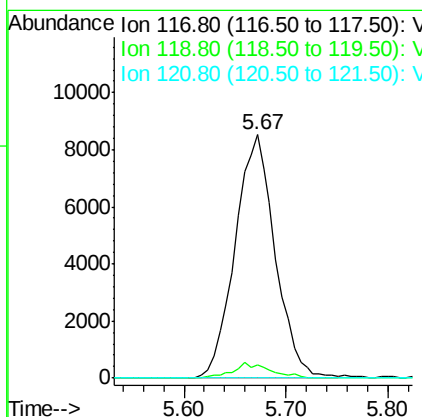
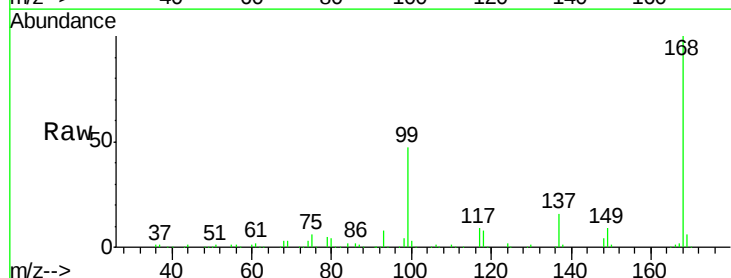
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502DL

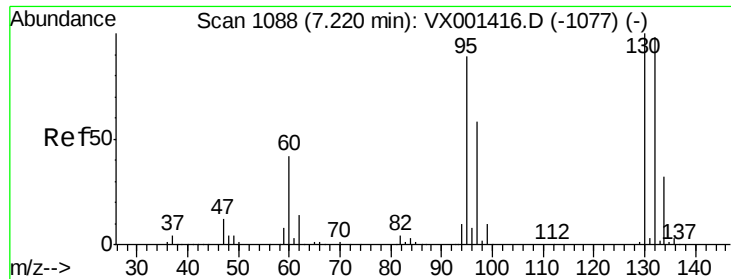
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.9	56.7#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.85 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.0	115.6#
121	0.0	25.1	37.7#





#44

Trichloroethene

Concen: 2.50 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

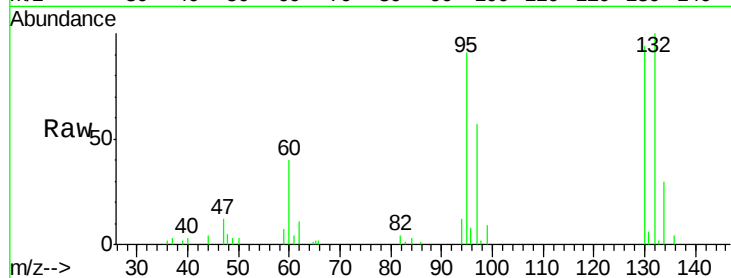
ST008MW167-180502DL

Tgt Ion:130 Resp: 10018

Ion Ratio Lower Upper

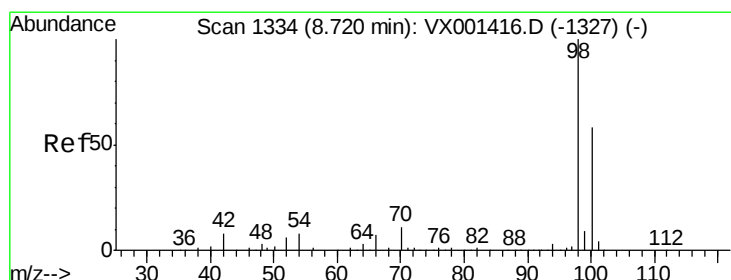
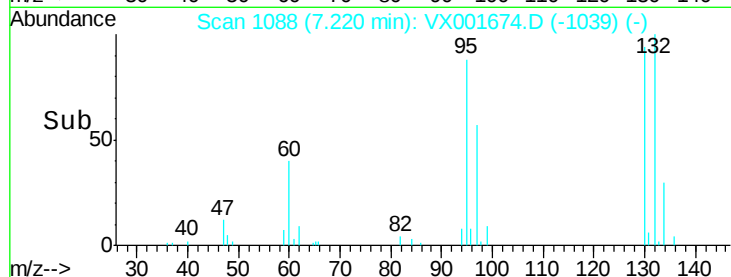
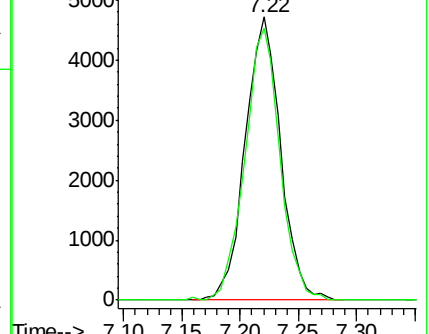
130 100

95 96.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 42.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001674.D

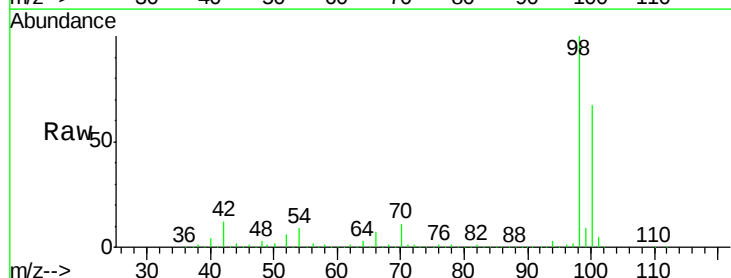
Acq: 12 May 2018 18:29

Tgt Ion: 98 Resp: 485505

Ion Ratio Lower Upper

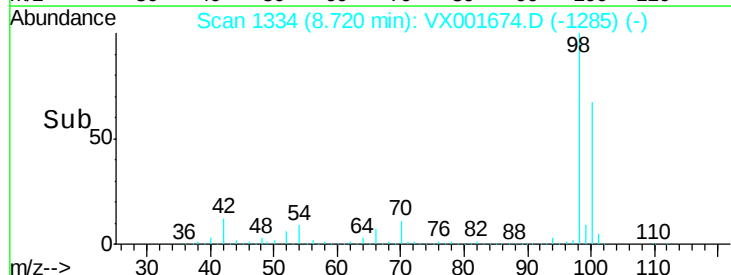
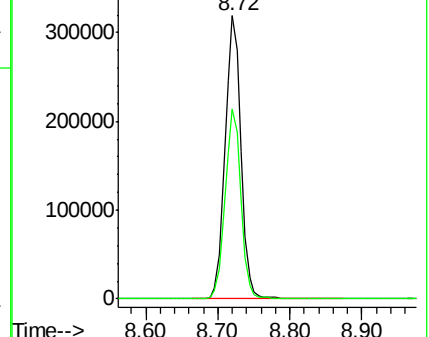
98 100

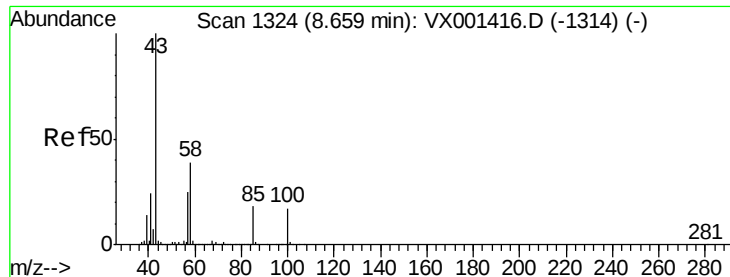
100 66.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

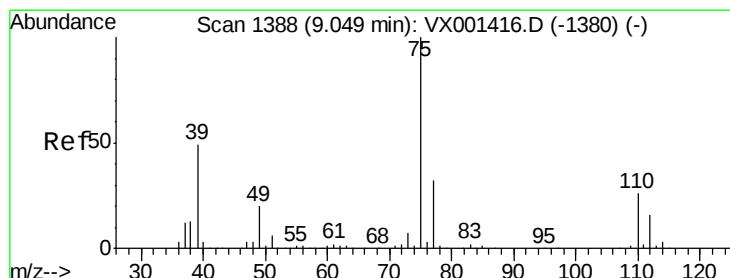
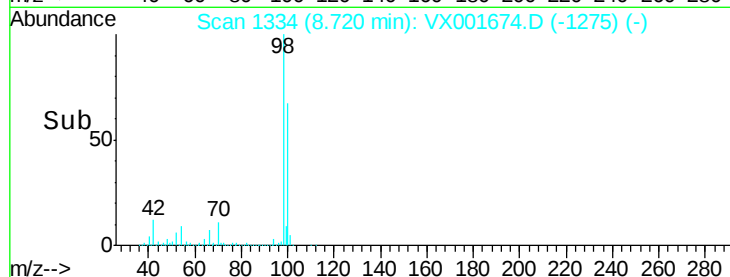
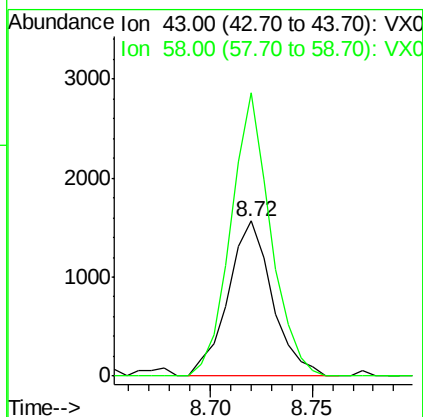
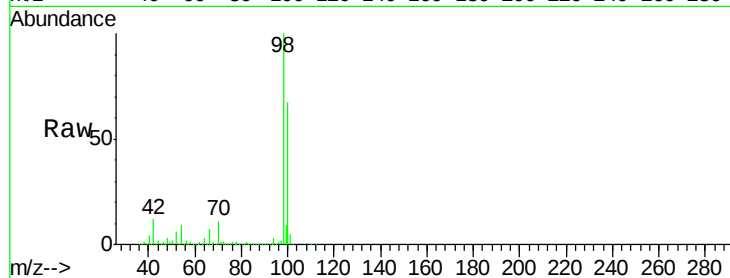




#51
 4-Methyl-2-Pentanone
 Concen: 0.47 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

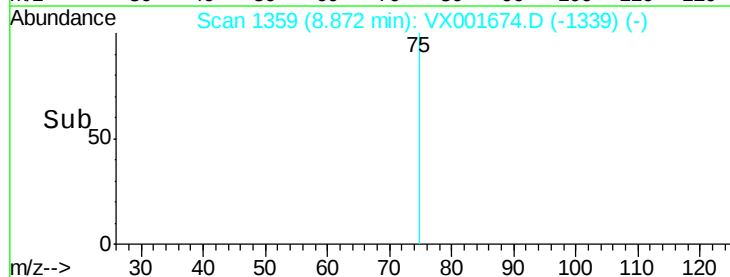
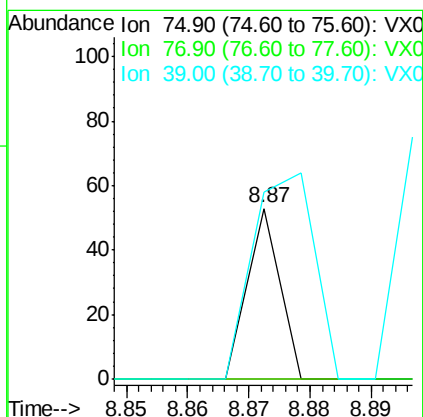
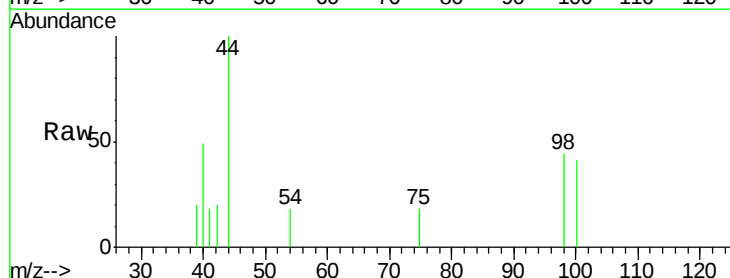
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502DL

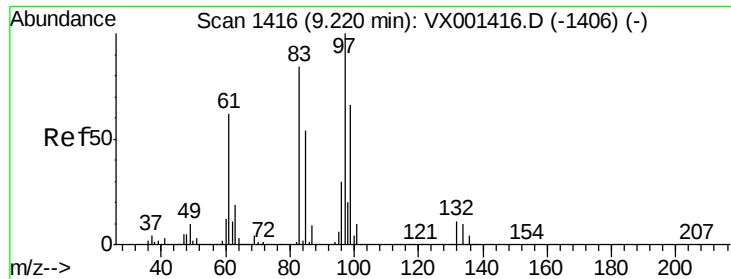
Tgt Ion: 43 Resp: 2361
 Ion Ratio Lower Upper
 43 100
 58 162.6 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 8.87 min Scan# 1359
 Delta R.T. -0.18 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Tgt Ion: 75 Resp: 19
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 109.4 38.9 58.3#

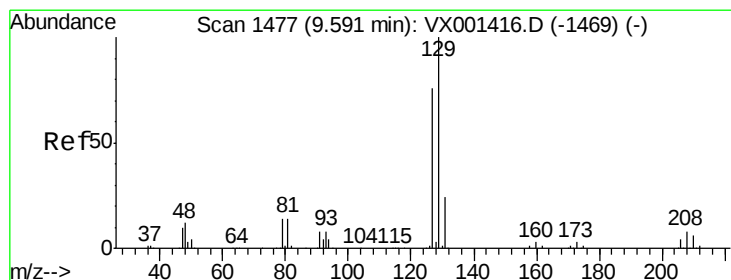
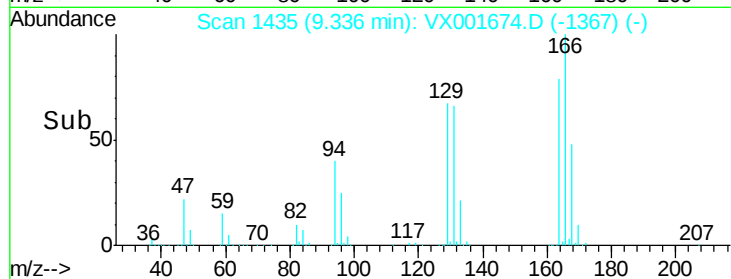
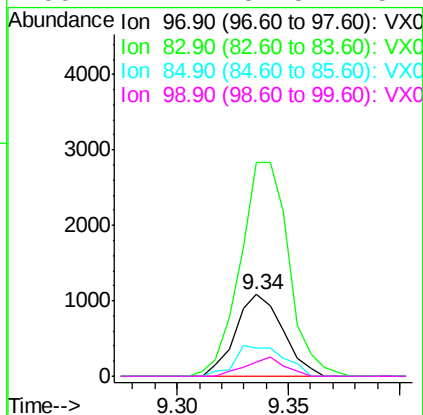
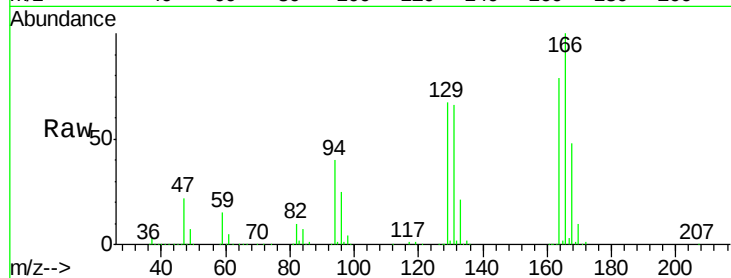




#55
 1,1,2-Trichloroethane
 Concen: 0.46 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

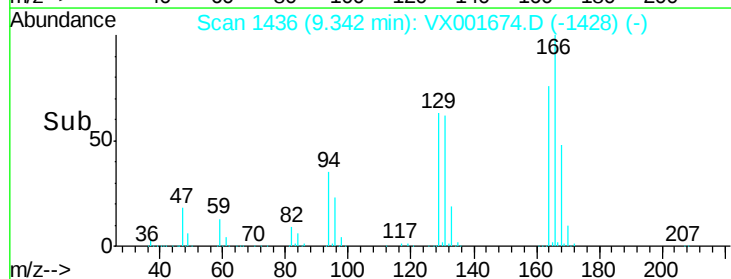
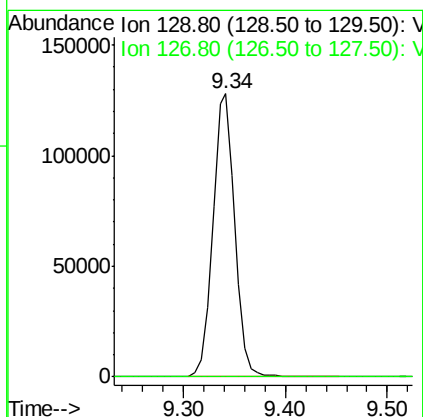
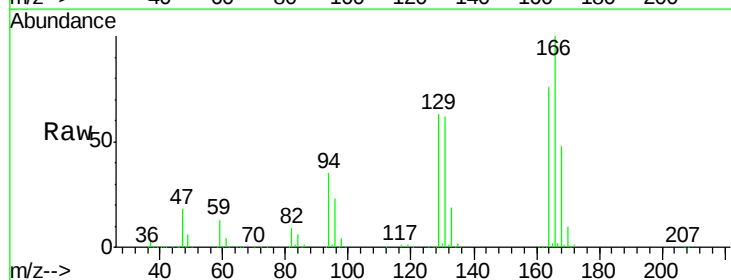
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502DL

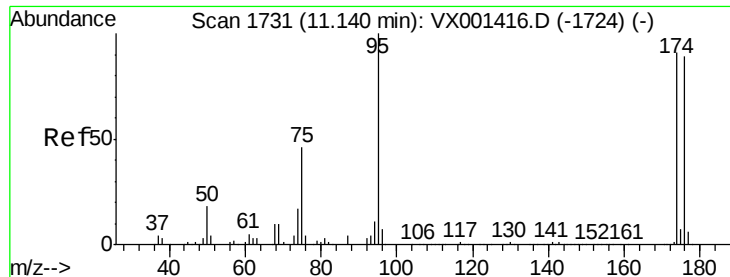
Tgt Ion: 97 Resp: 1601
 Ion Ratio Lower Upper
 97 100
 83 260.9 67.4 101.0#
 85 34.6 43.3 64.9#
 99 17.1 52.5 78.7#



#60
 Dibromochloromethane
 Concen: 54.36 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Tgt Ion: 129 Resp: 192312
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.1 114.5#

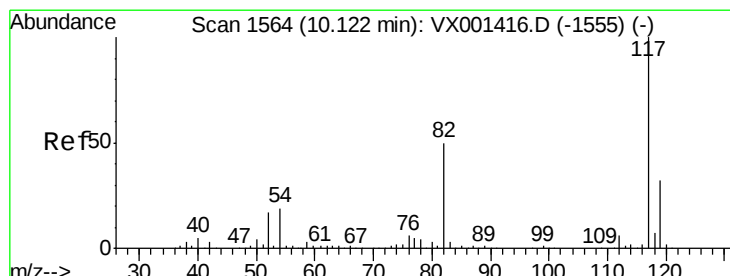
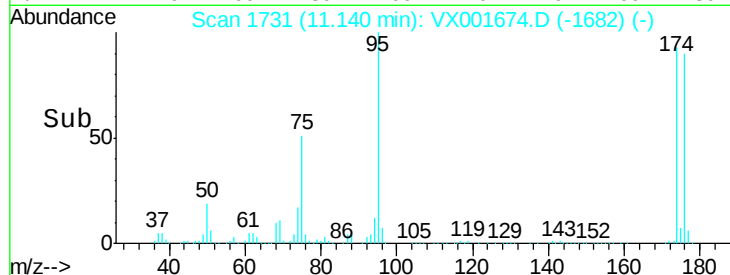
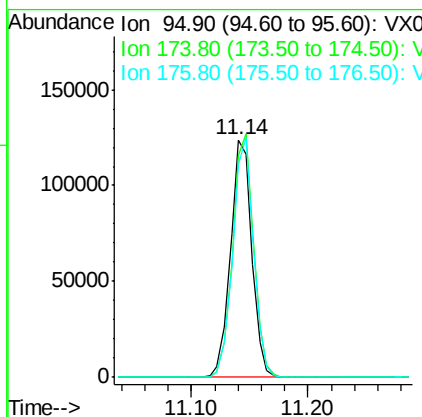
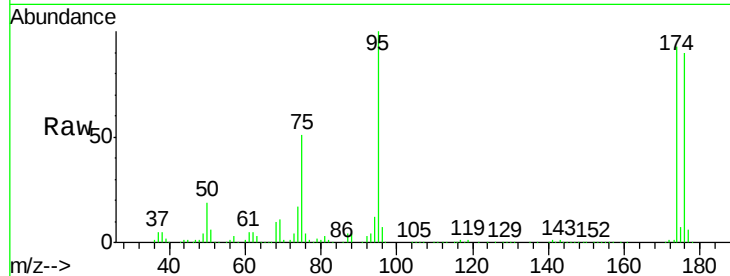




#62
4-Bromofluorobenzene
Concen: 35.80 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001674.D
Acq: 12 May 2018 18:29

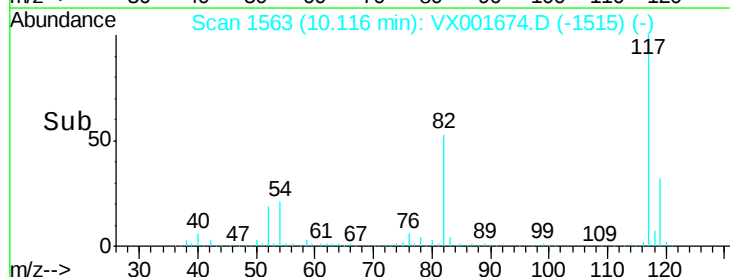
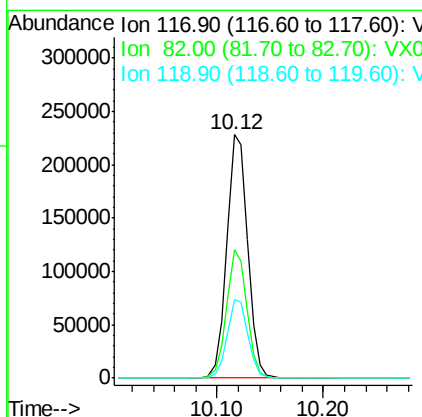
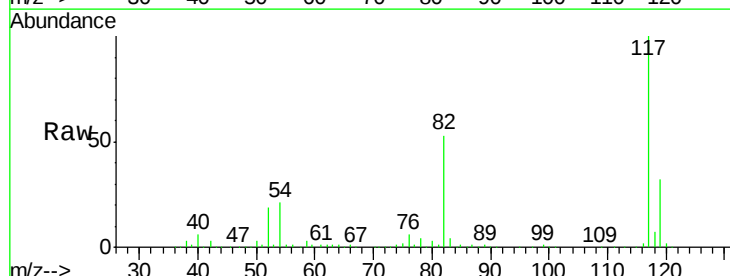
Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-180502DL

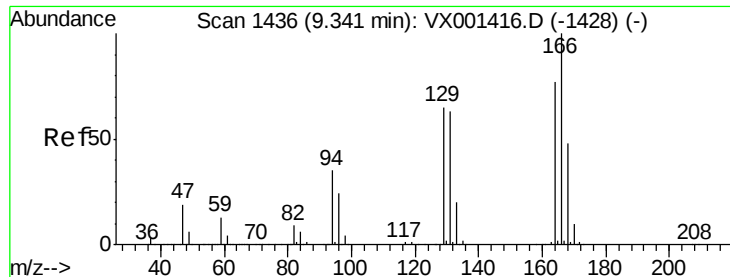
Tgt Ion: 95 Resp: 157518
Ion Ratio Lower Upper
95 100
174 101.4 0.0 202.0
176 98.1 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001674.D
Acq: 12 May 2018 18:29

Tgt Ion: 117 Resp: 314632
Ion Ratio Lower Upper
117 100
82 52.6 40.0 60.0
119 32.1 25.8 38.8





#64

Tetrachloroethene

Concen: 52.55 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502DL

Tgt Ion:164 Resp: 230442

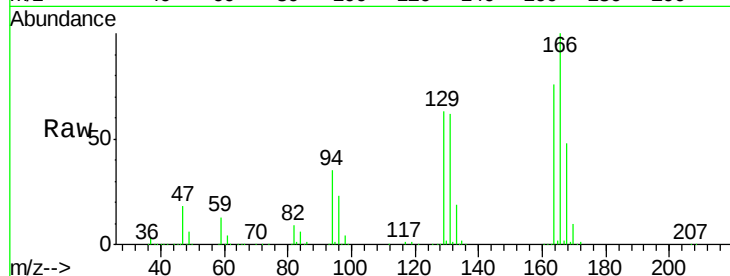
Ion Ratio Lower Upper

164 100

166 132.2 103.5 155.3

129 83.7 66.7 100.1

131 82.1 64.9 97.3



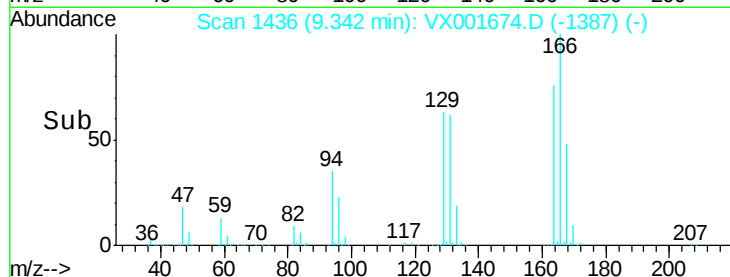
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

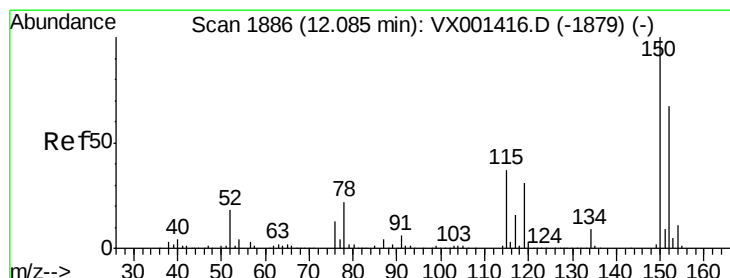
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time--> 9.20 9.30 9.40 9.50



Time--> 9.20 9.30 9.40 9.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001674.D

Acq: 12 May 2018 18:29

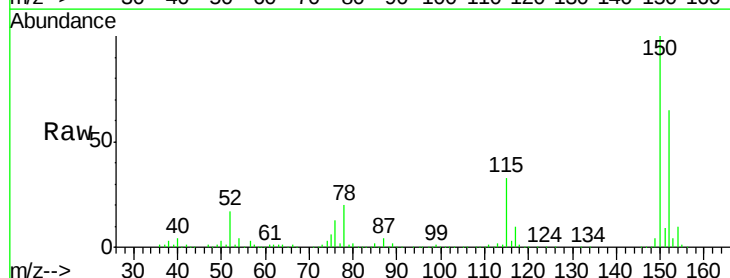
Tgt Ion:152 Resp: 167167

Ion Ratio Lower Upper

152 100

115 51.9 37.7 113.1

150 156.8 0.0 349.4

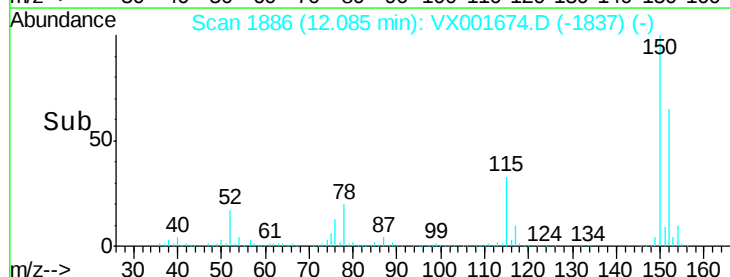


Abundance Ion 151.90 (151.60 to 152.60): V

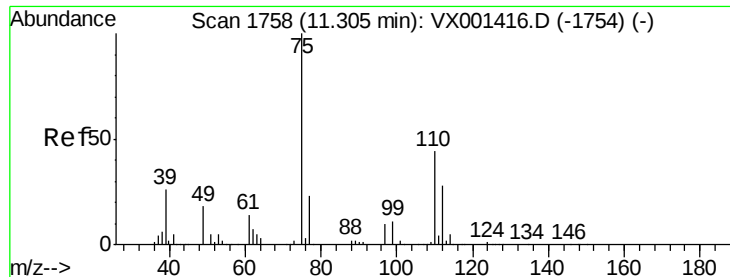
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time--> 12.00 12.10 12.20



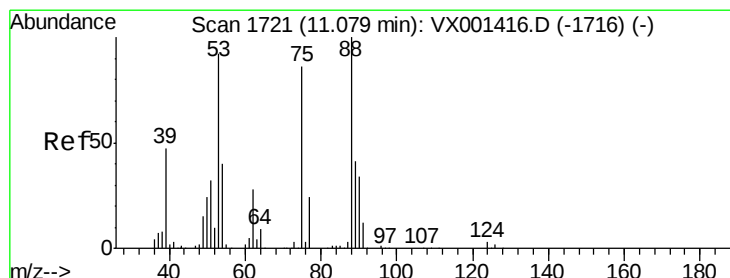
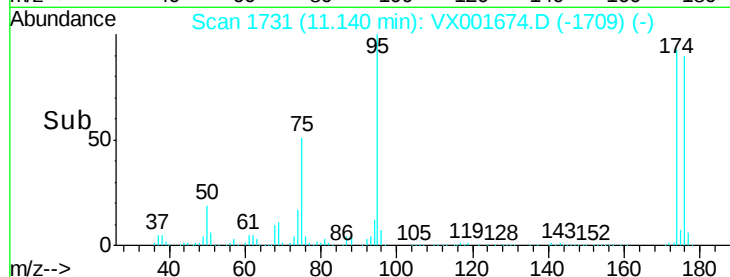
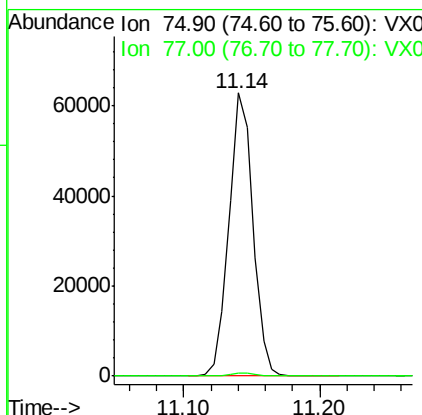
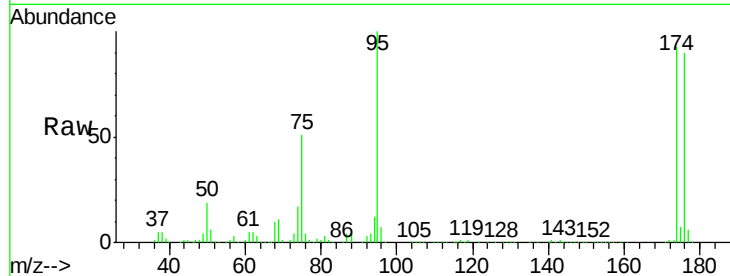
Time--> 12.00 12.10 12.20



#76
 1,2,3-Trichloropropane
 Concen: 22.76 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502DL

Tgt Ion: 75 Resp: 77181
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.65 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001674.D
 Acq: 12 May 2018 18:29

Tgt Ion: 75 Resp: 77181
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

