

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001179.D
 Acq On : 27 Apr 2018 19:02
 Operator : JC/MD
 Sample : J2463-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW080-180416

Quant Time: Apr 28 03:10:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	190596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	259026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	233369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	151758	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
35) Dibromofluoromethane	5.51	113	116955	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
50) Toluene-d8	8.72	98	448263	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
62) 4-Bromofluorobenzene	11.14	95	152437	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

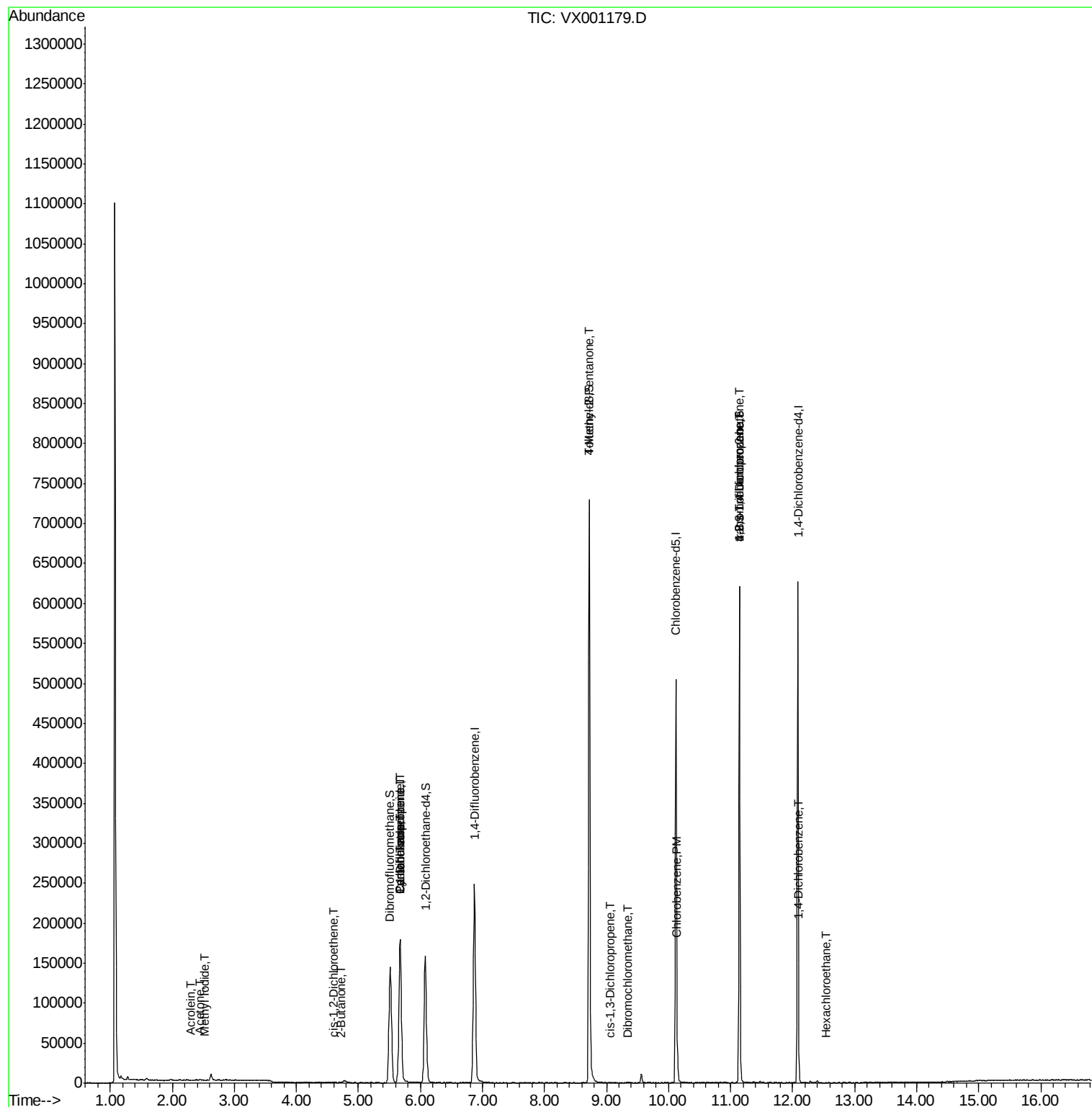
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	237	Below Cal	#	74
10) Methyl Iodide	2.52	142	91	7.277	ug/l #	65
13) Acrolein	2.31	56	138	0.627	ug/l #	65
16) Acetone	2.45	43	1376	1.133	ug/l #	82
25) 2-Butanone	4.72	43	627	0.345	ug/l #	50
27) cis-1,2-Dichloroethene	4.60	96	769	0.330	ug/l	77
31) Cyclohexane	5.68	56	3589	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	11943	4.184	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16823	5.748	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	2236	0.634	ug/l #	1
54) cis-1,3-Dichloropropene	9.06	75	19	3.192	ug/l #	18
60) Dibromochloromethane	9.34	129	22	3.354	ug/l #	11
65) Chlorobenzene	10.14	112	8950	1.464	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	79189	29.915	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	79189	90.460	ug/l #	6
88) 1,4-Dichlorobenzene	12.10	146	1643	0.350	ug/l #	63
90) Hexachloroethane	12.52	117	19	3.391	ug/l #	1

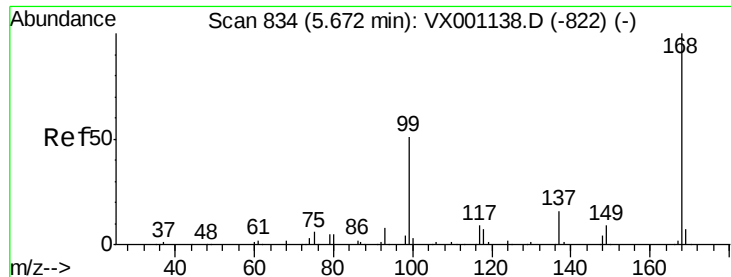
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

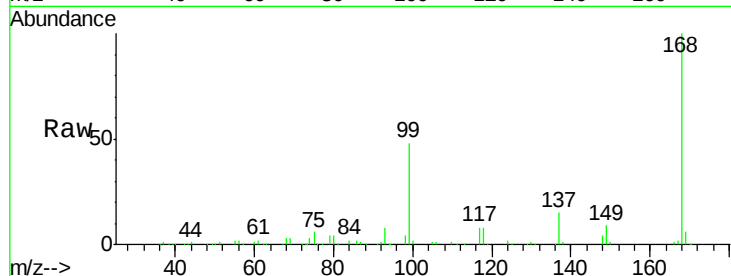
LF014MW080-180416

Tgt Ion:168 Resp: 190596

Ion Ratio Lower Upper

168 100

99 48.1 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

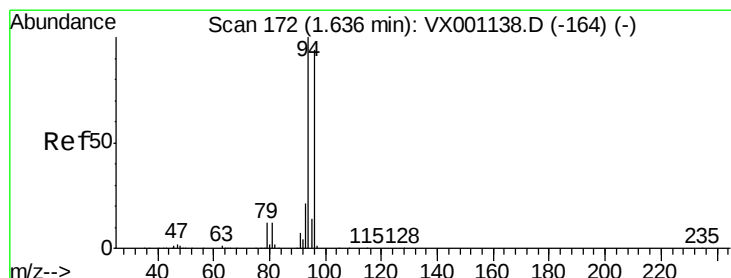
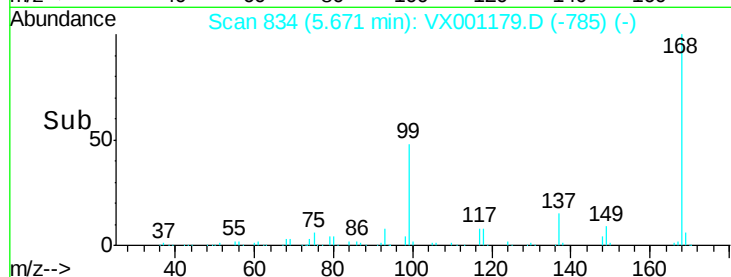
40000

20000

0

Time-->

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: VX001179.D

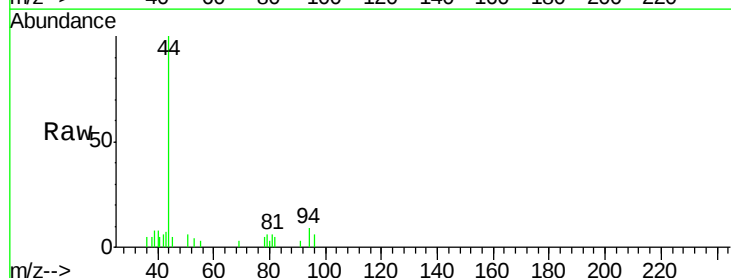
Acq: 27 Apr 2018 19:02

Tgt Ion: 94 Resp: 237

Ion Ratio Lower Upper

94 100

96 69.1 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

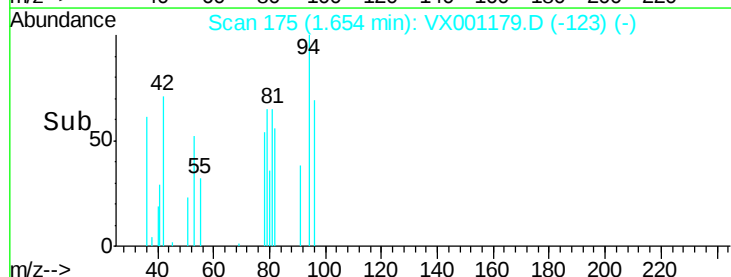
100

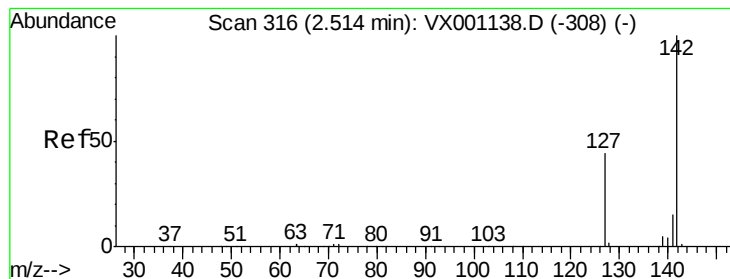
50

0

Time-->

1.65 1.70





#10

Methyl Iodide

Concen: 7.277 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

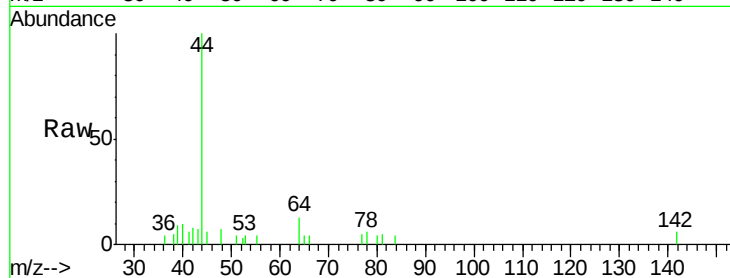
Tgt Ion:142 Resp: 91

Ion Ratio Lower Upper

142 100

127 20.9 34.7 52.1#

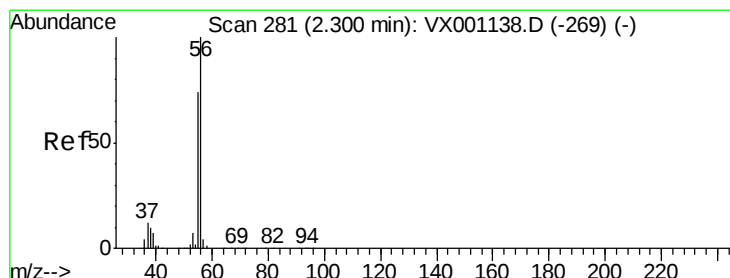
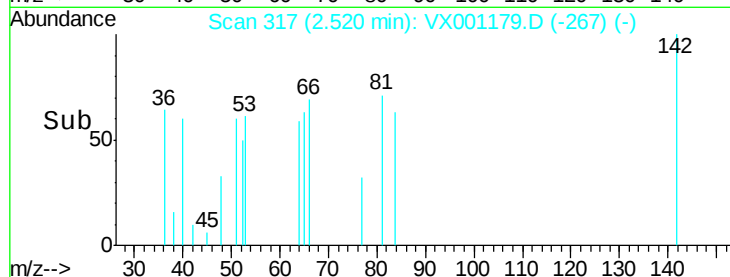
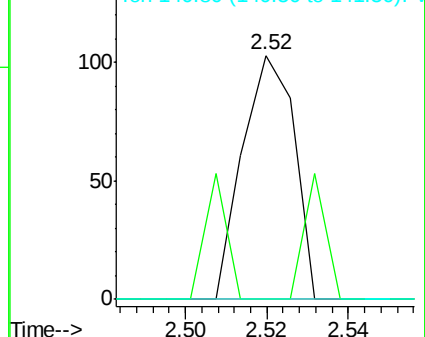
141 0.0 11.6 17.4#



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



#13

Acrolein

Concen: 0.627 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001179.D

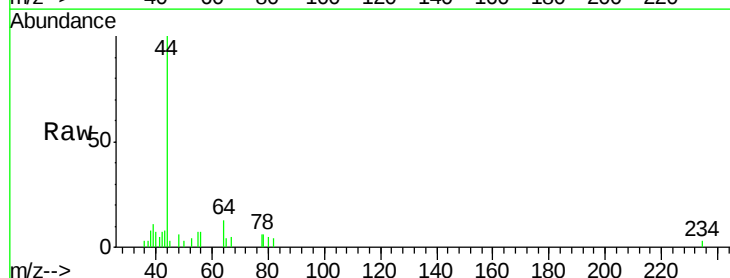
Acq: 27 Apr 2018 19:02

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

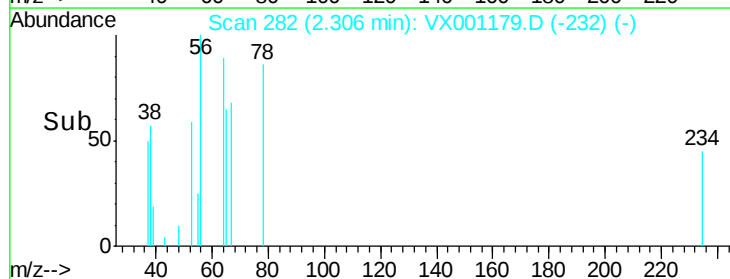
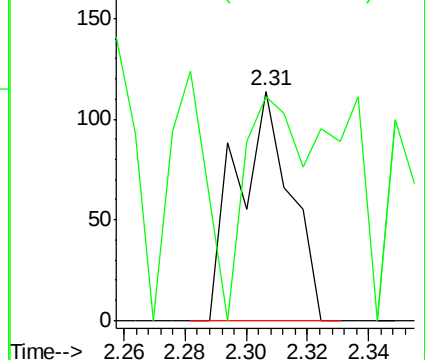
56 100

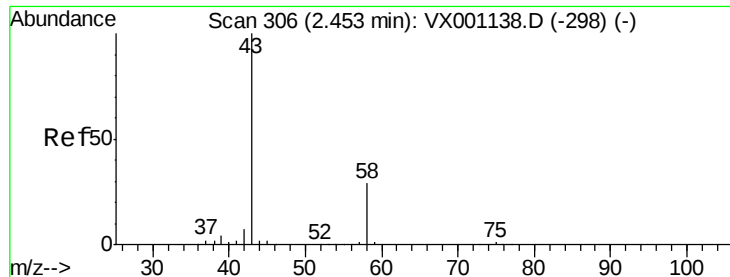
55 100.7 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.133 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

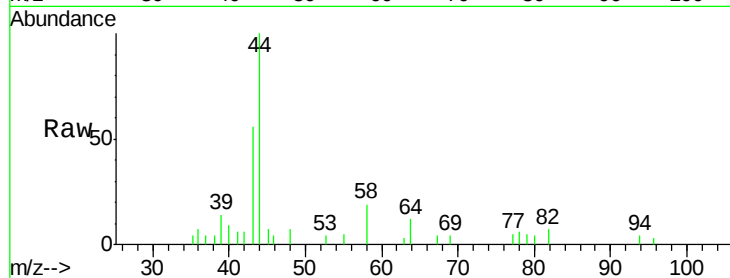
LF014MW080-180416

Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

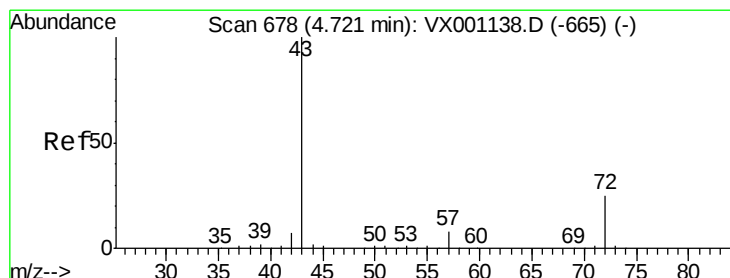
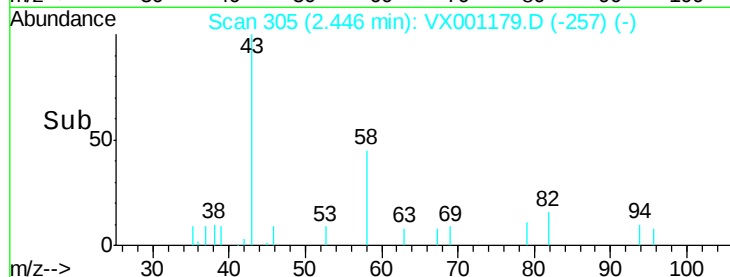
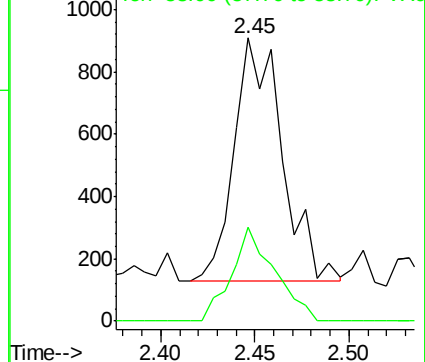
43 100

58 38.5 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.345 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001179.D

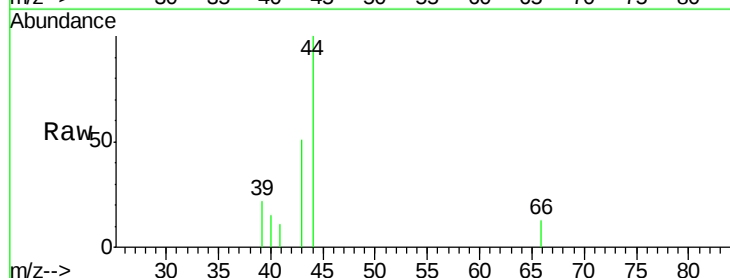
Acq: 27 Apr 2018 19:02

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

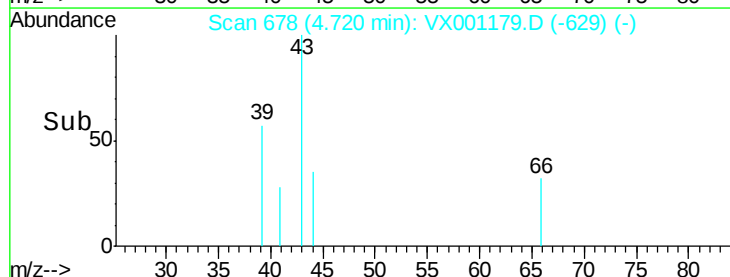
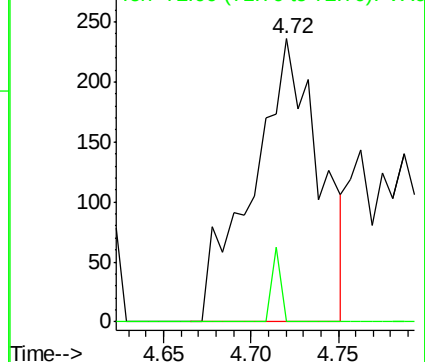
43 100

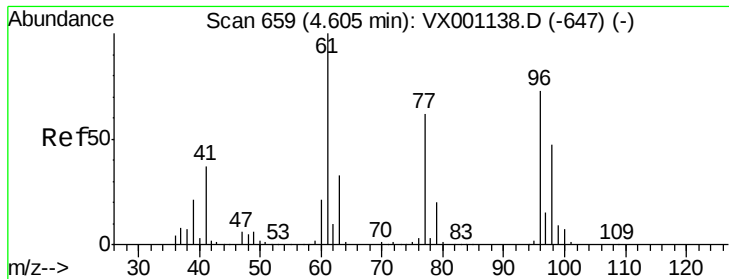
72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



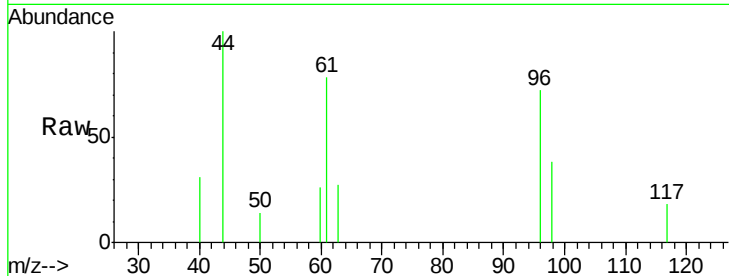


#27

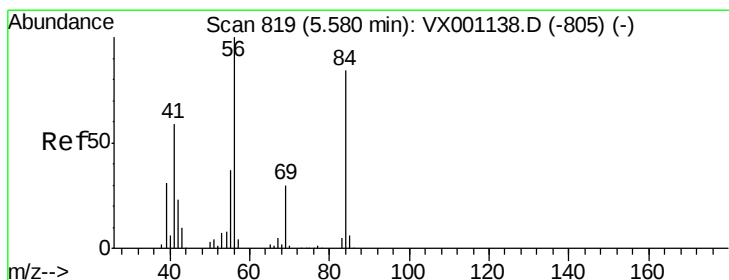
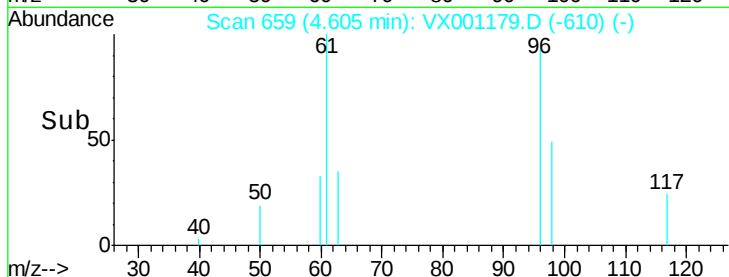
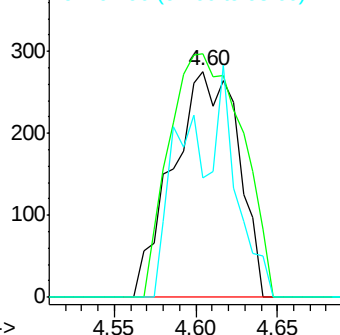
cis-1,2-Dichloroethene
Concen: 0.330 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001179.D
Acq: 27 Apr 2018 19:02

Instrument :
MSVOA_X
ClientSampleId :
LF014MW080-180416

Tgt Ion: 96 Resp: 769
Ion Ratio Lower Upper
96 100
61 120.0 0.0 289.0
98 40.7 0.0 128.2



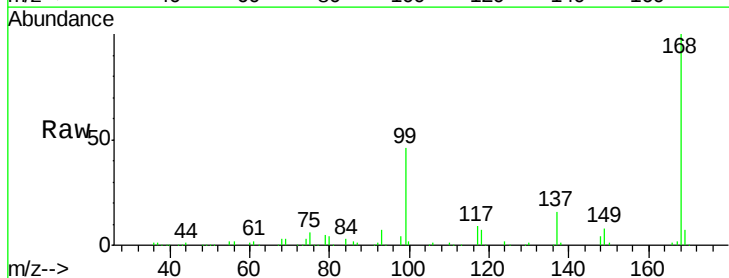
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



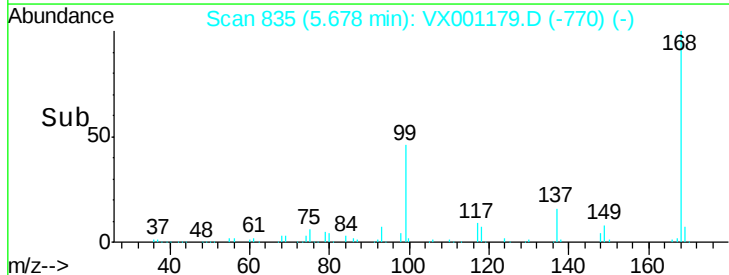
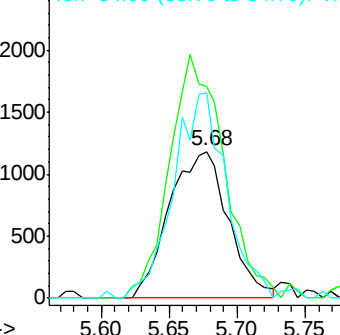
#31

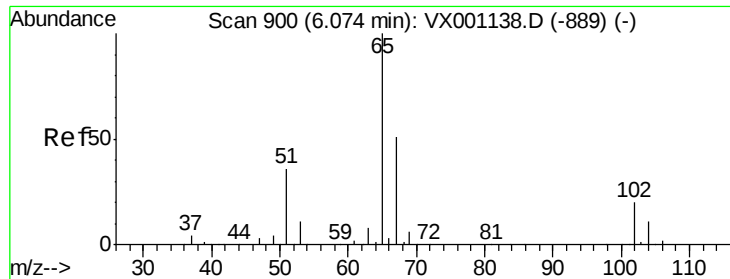
Cyclohexane
Concen: 1.143 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.10 min
Lab File: VX001179.D
Acq: 27 Apr 2018 19:02

Tgt Ion: 56 Resp: 3589
Ion Ratio Lower Upper
56 100
69 143.6 24.2 36.2#
84 139.3 67.5 101.3#



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

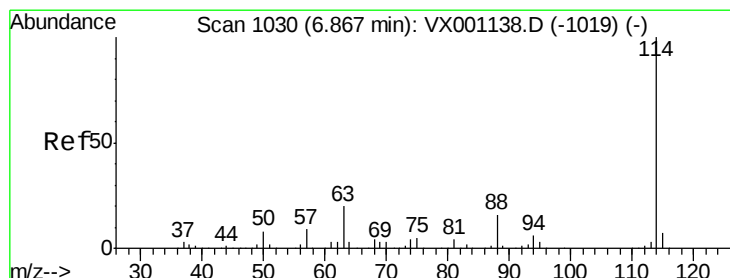
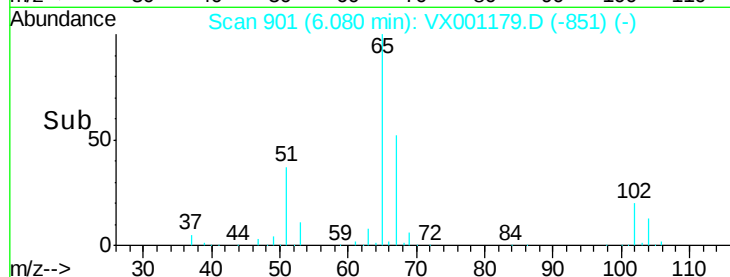
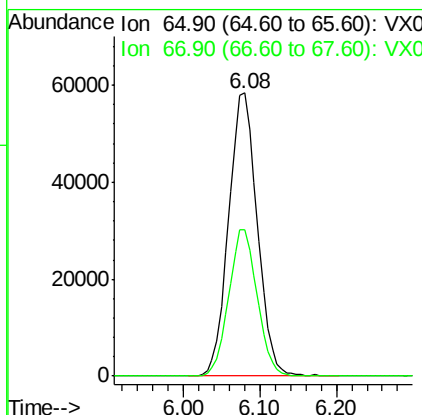
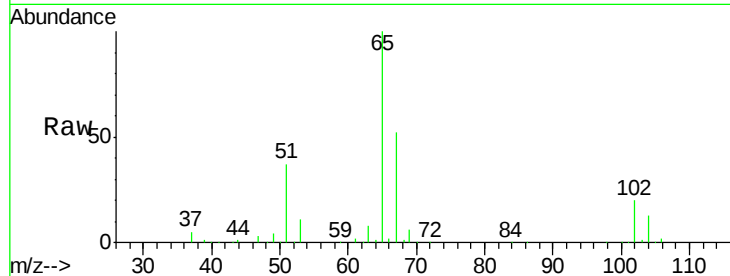




#33
 1,2-Dichloroethane-d4
 Concen: 51.366 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001179.D
 Acq: 27 Apr 2018 19:02

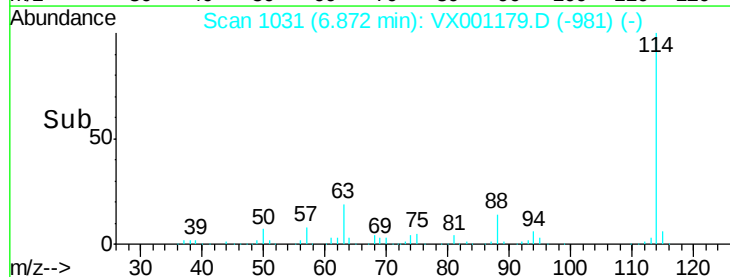
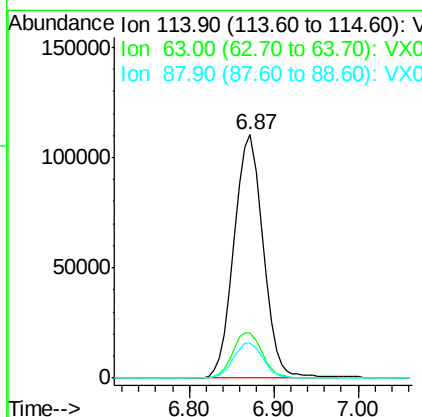
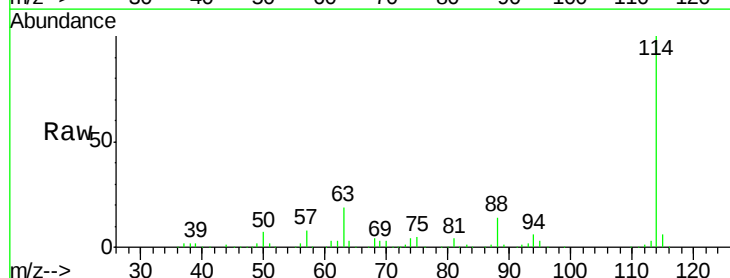
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW080-180416

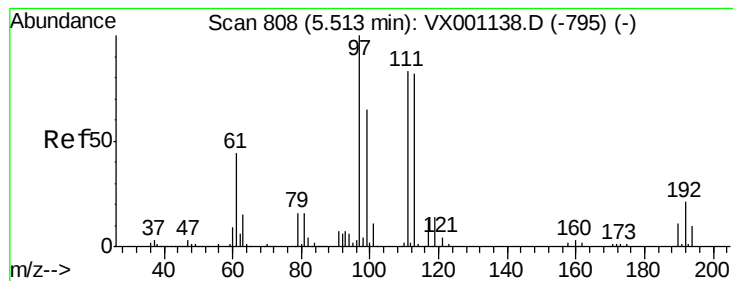
Tgt Ion: 65 Resp: 151758
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001179.D
 Acq: 27 Apr 2018 19:02

Tgt Ion: 114 Resp: 259026
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.4
 88 14.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.551 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

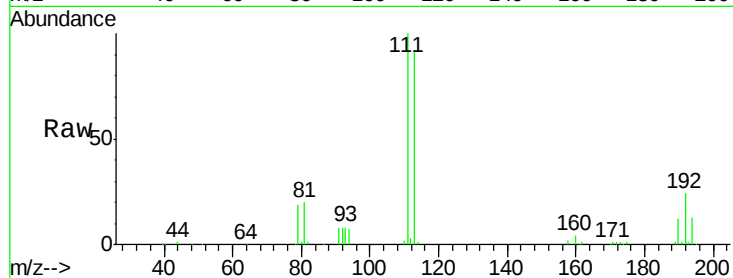
Tgt Ion:113 Resp: 116955

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

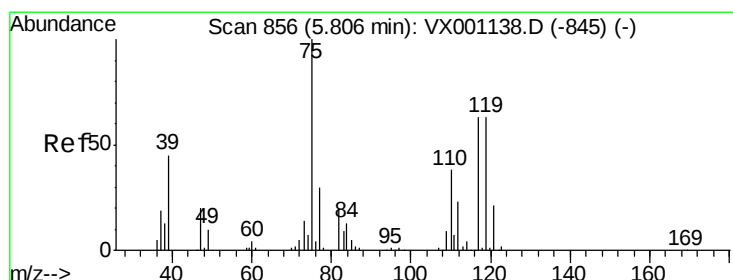
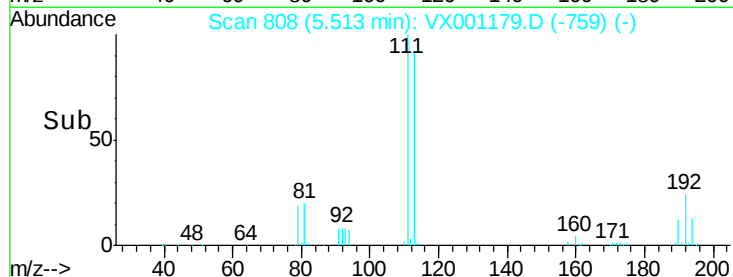
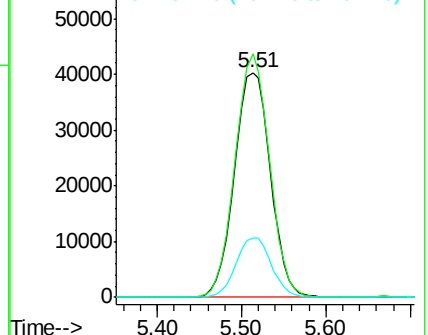
192 25.9 20.6 30.8



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: 4.184 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

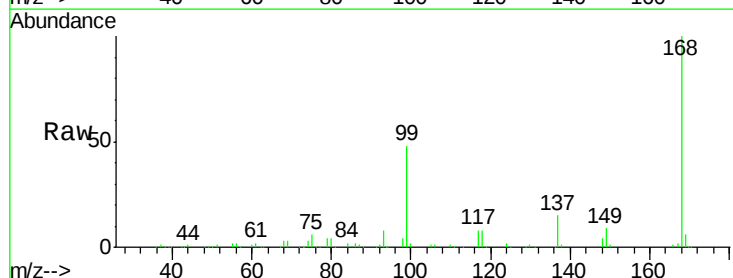
Tgt Ion: 75 Resp: 11943

Ion Ratio Lower Upper

75 100

110 10.7 19.0 57.0#

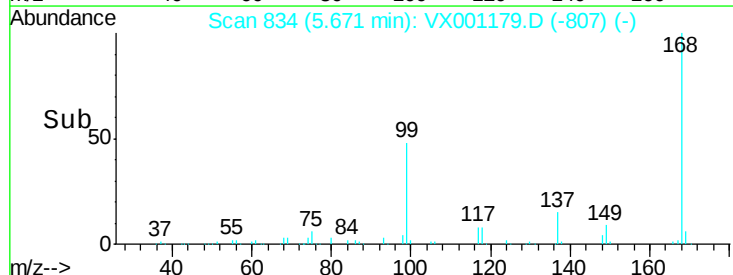
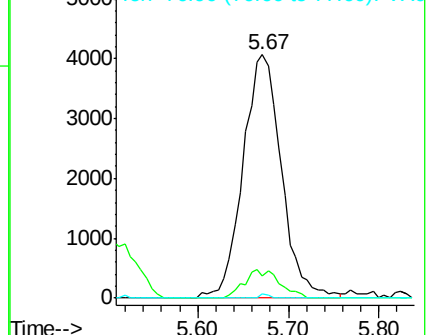
77 0.4 24.8 37.2#

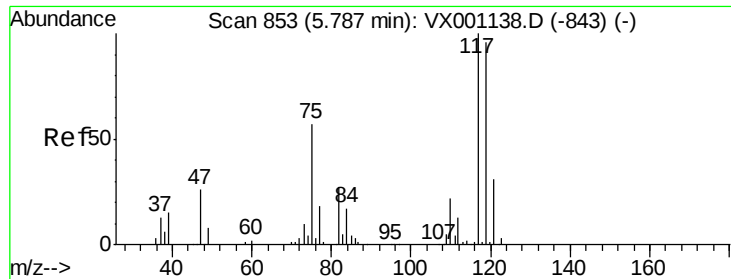


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.748 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

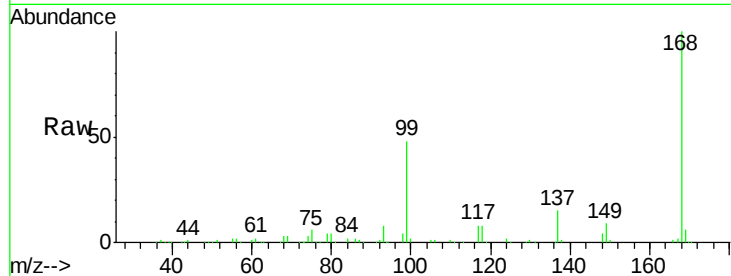
Tgt Ion:117 Resp: 16823

Ion Ratio Lower Upper

117 100

119 4.1 76.5 114.7#

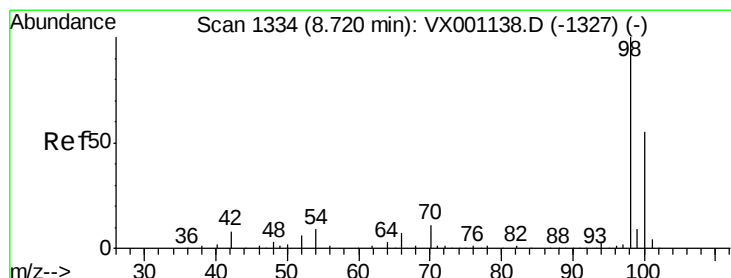
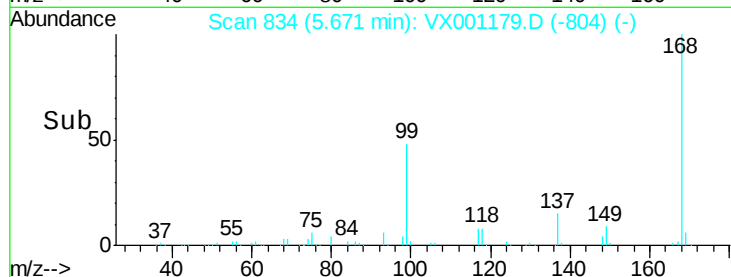
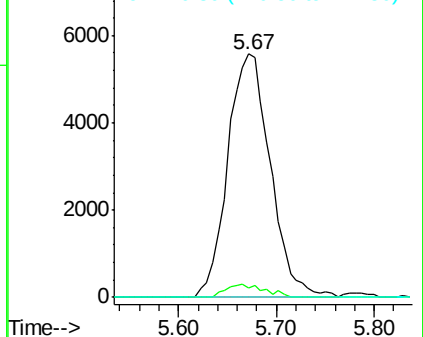
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 55.403 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001179.D

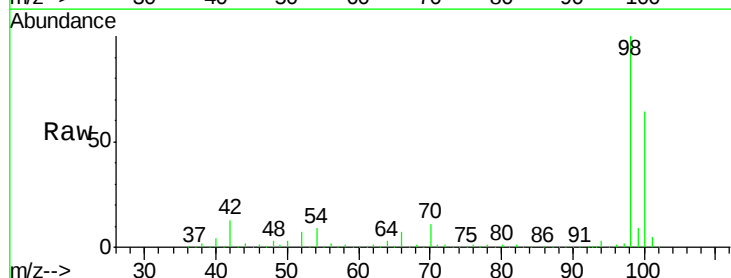
Acq: 27 Apr 2018 19:02

Tgt Ion: 98 Resp: 448263

Ion Ratio Lower Upper

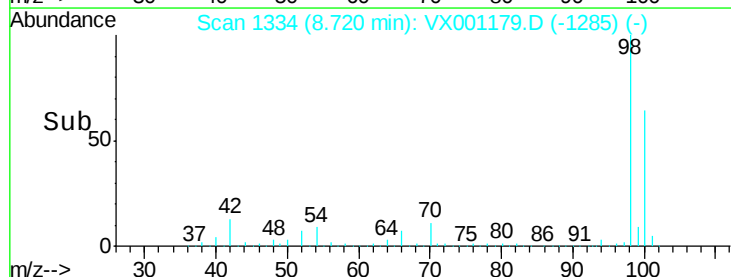
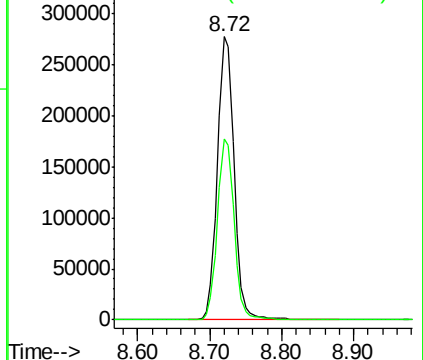
98 100

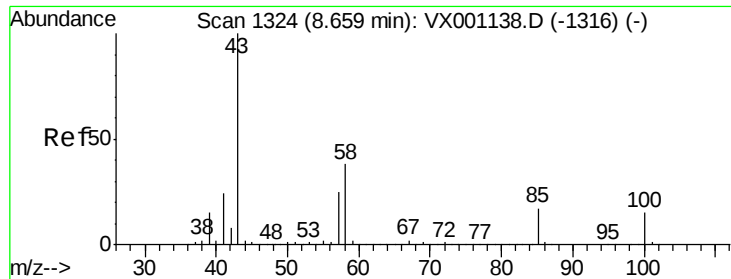
100 64.0 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.634 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

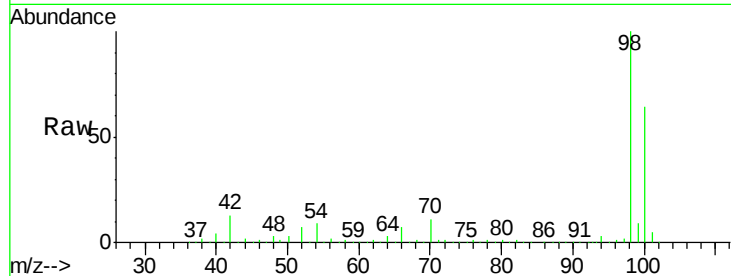
LF014MW080-180416

Tgt Ion: 43 Resp: 2236

Ion Ratio Lower Upper

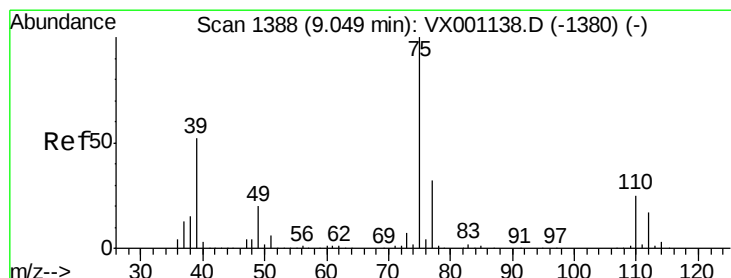
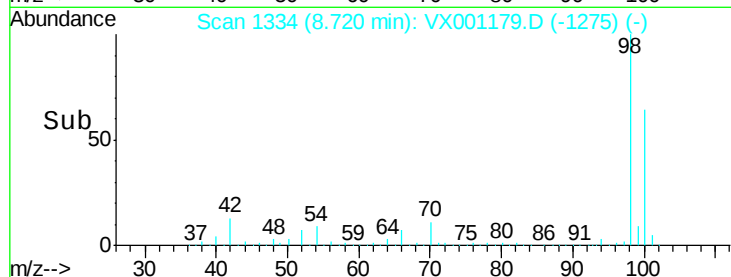
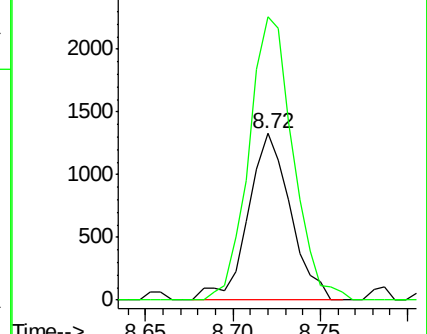
43 100

58 176.6 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.192 ug/l

RT: 9.06 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

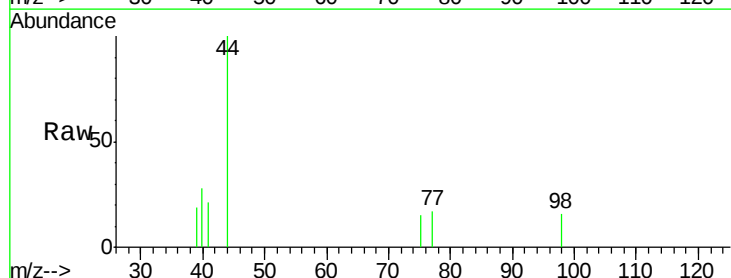
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 115.7 25.4 38.2#

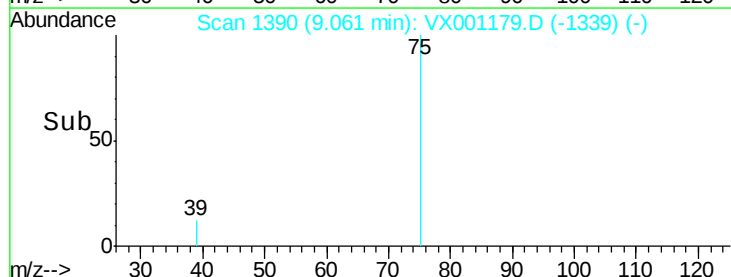
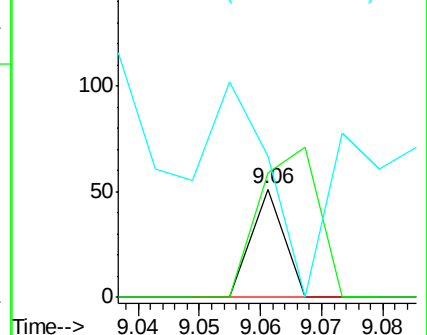
39 23.5 42.0 63.0#

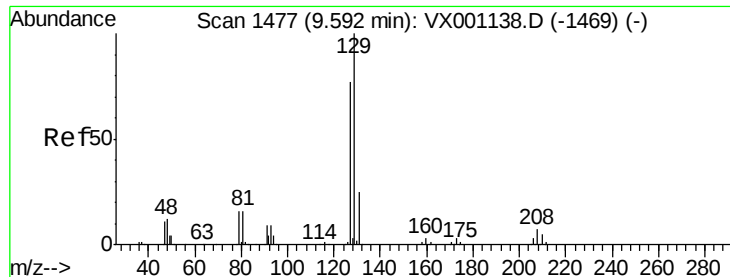


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.354 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

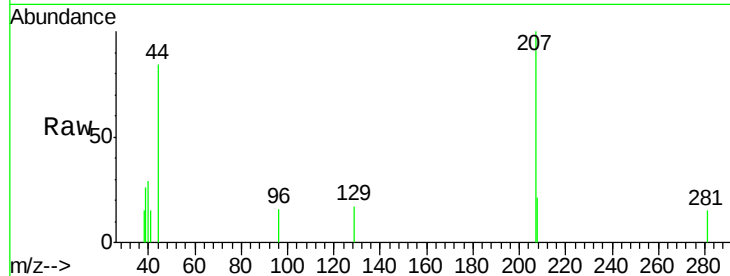
LF014MW080-180416

Tgt Ion:129 Resp: 22

Ion Ratio Lower Upper

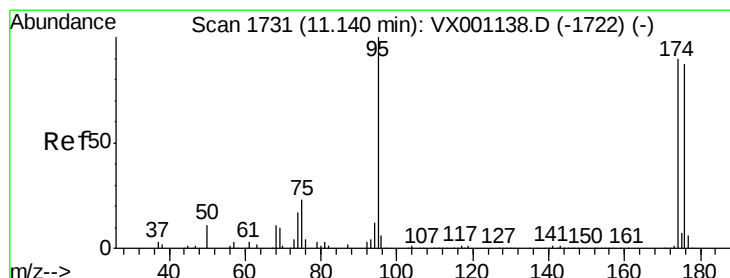
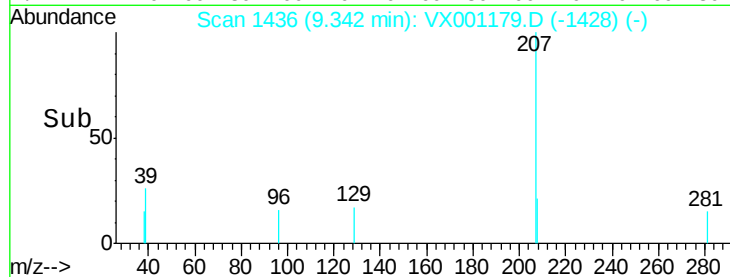
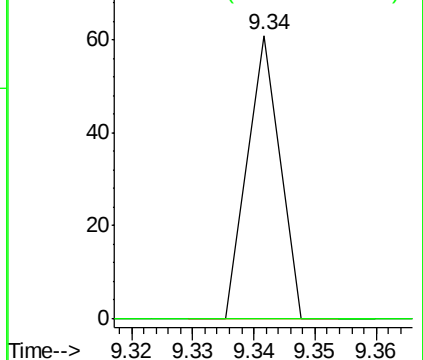
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.229 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

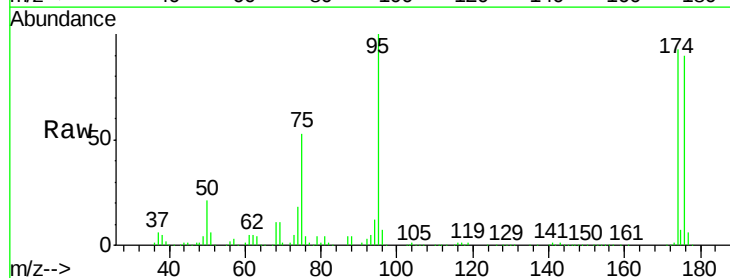
Tgt Ion: 95 Resp: 152437

Ion Ratio Lower Upper

95 100

174 100.7 0.0 194.4

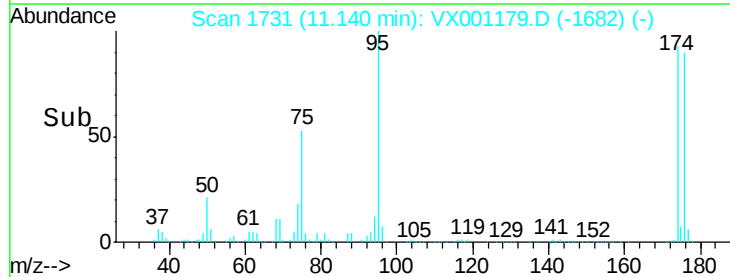
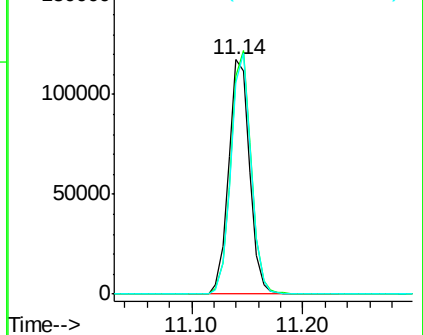
176 98.6 0.0 190.2

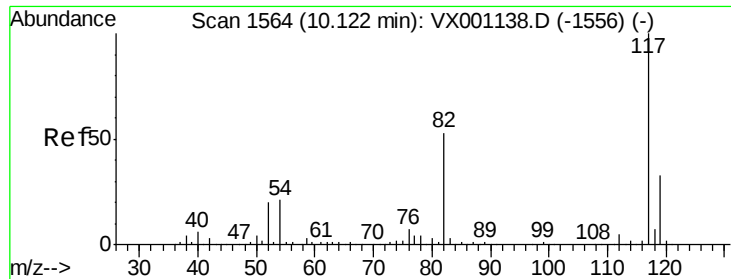


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

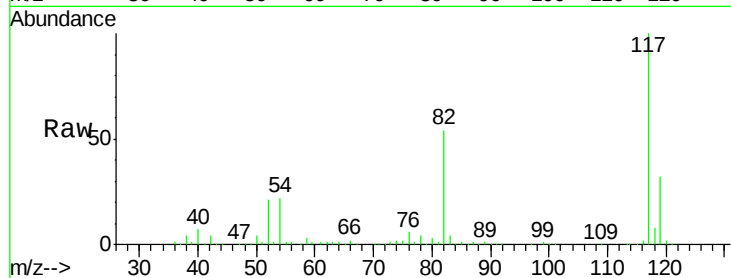




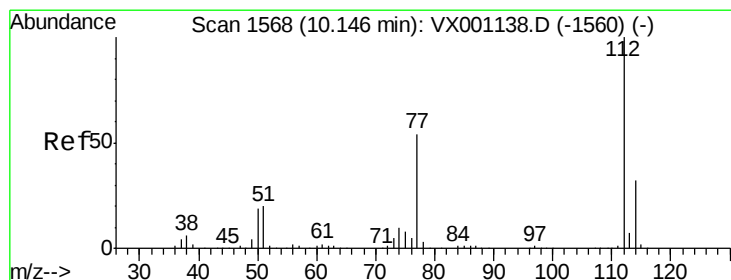
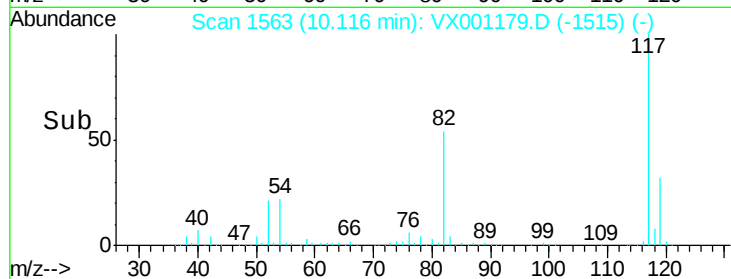
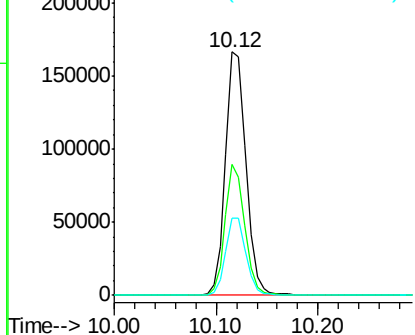
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001179.D
Acq: 27 Apr 2018 19:02

Instrument :
MSVOA_X
ClientSampleId :
LF014MW080-180416

Tgt Ion:117 Resp: 233369
Ion Ratio Lower Upper
117 100
82 53.8 42.1 63.1
119 31.7 26.1 39.1

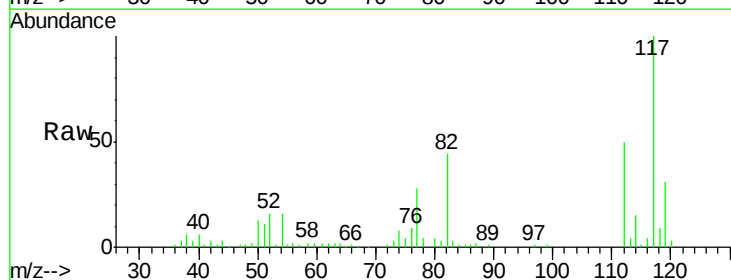


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

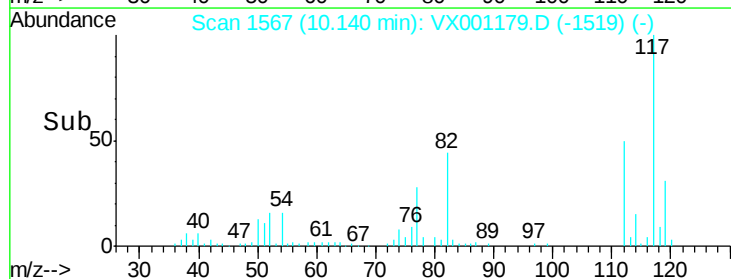
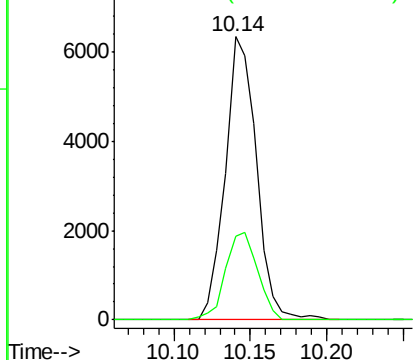


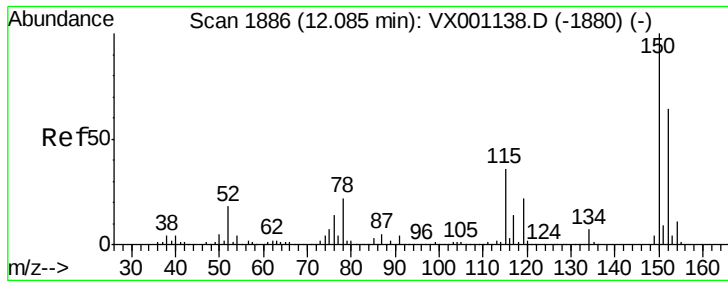
#65
Chlorobenzene
Concen: 1.464 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001179.D
Acq: 27 Apr 2018 19:02

Tgt Ion:112 Resp: 8950
Ion Ratio Lower Upper
112 100
114 29.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

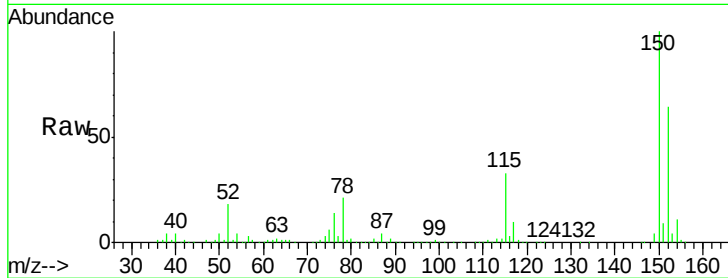
Tgt Ion:152 Resp: 129999

Ion Ratio Lower Upper

152 100

115 53.1 38.0 114.0

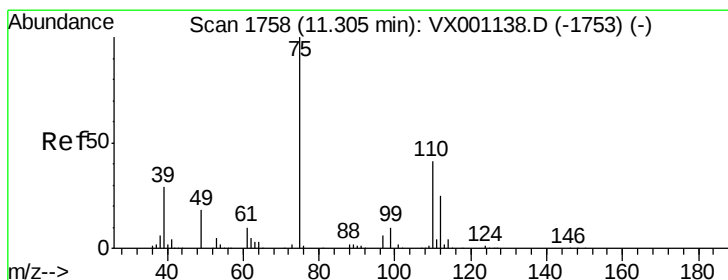
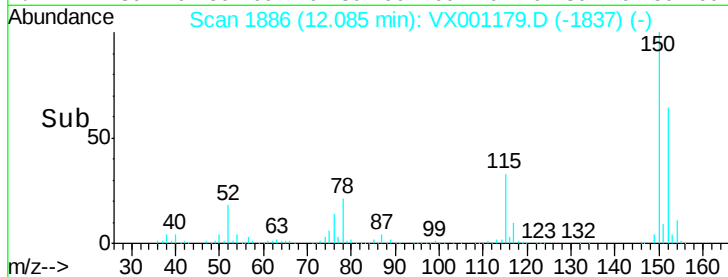
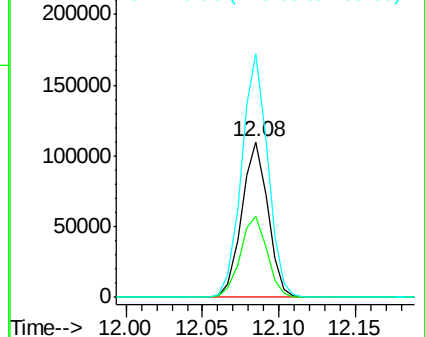
150 156.4 0.0 349.6



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: 29.915 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001179.D

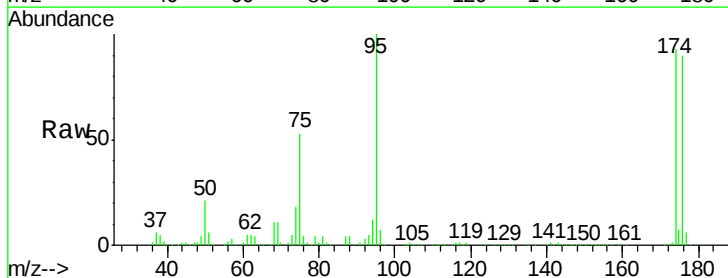
Acq: 27 Apr 2018 19:02

Tgt Ion: 75 Resp: 79189

Ion Ratio Lower Upper

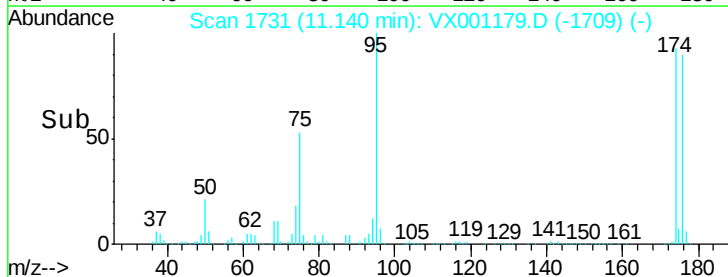
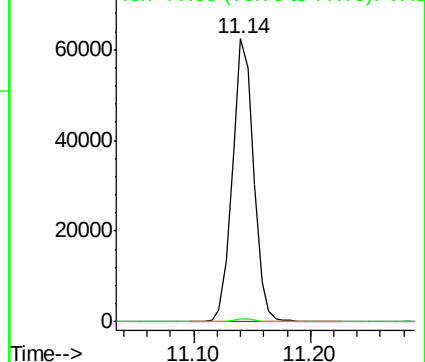
75 100

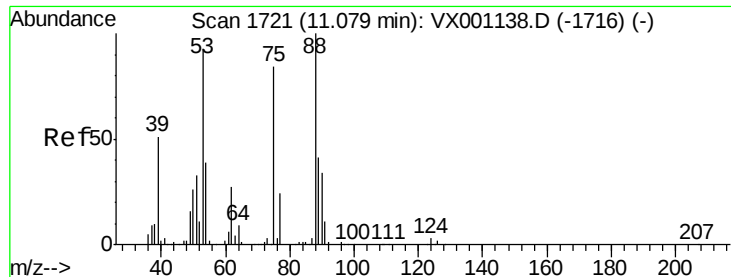
77 1.1 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

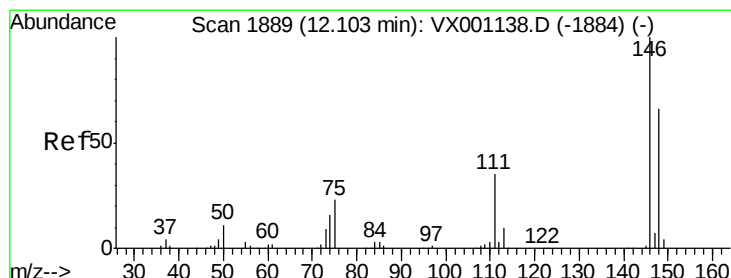
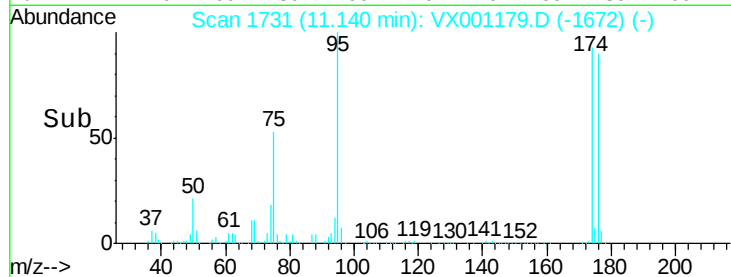
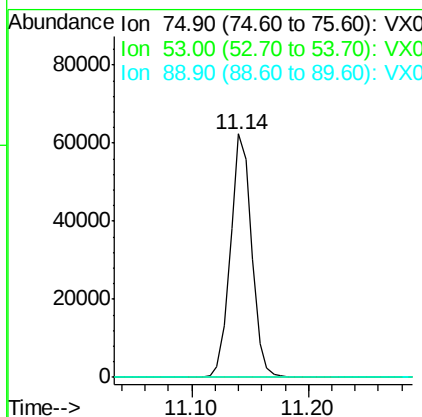
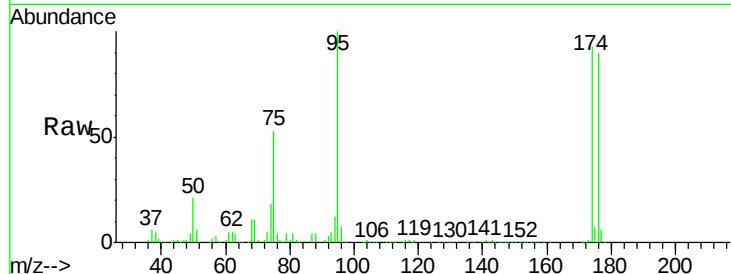




#81
trans-1,4-Dichloro-2-butene
Concen: 90.460 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001179.D
Acq: 27 Apr 2018 19:02

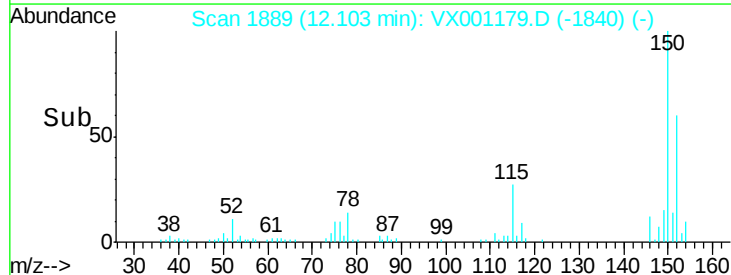
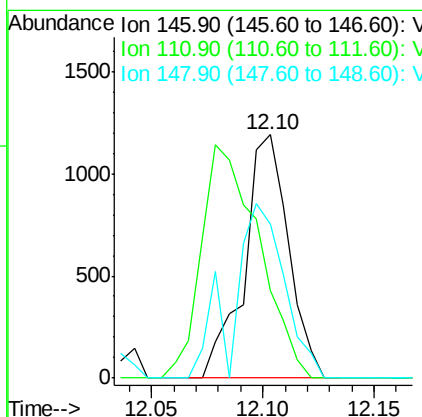
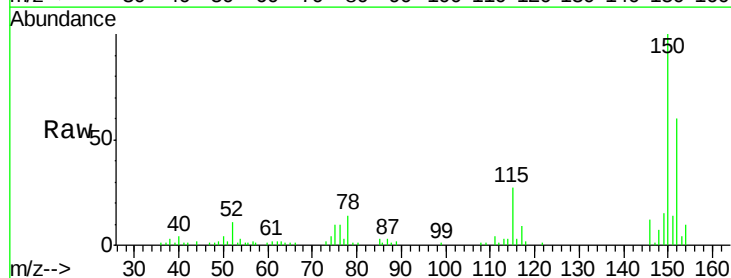
Instrument :
MSVOA_X
ClientSampleId :
LF014MW080-180416

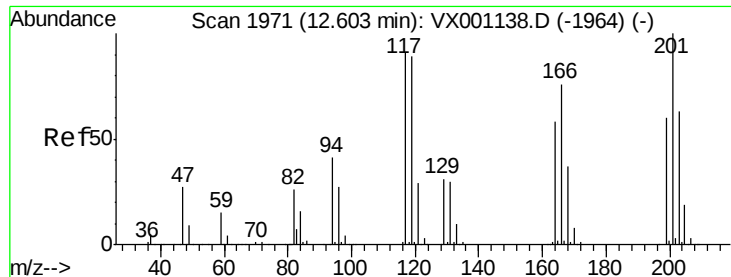
Tgt Ion: 75 Resp: 79189
Ion Ratio Lower Upper
75 100
53 0.0 87.9 131.9#
89 0.0 37.7 56.5#



#88
1,4-Dichlorobenzene
Concen: 0.350 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VX001179.D
Acq: 27 Apr 2018 19:02

Tgt Ion: 146 Resp: 1643
Ion Ratio Lower Upper
146 100
111 0.0 18.0 54.0#
148 83.8 32.5 97.5





#90

Hexachloroethane

Concen: 3.391 ug/l

RT: 12.52 min Scan# 1958

Delta R.T. -0.08 min

Lab File: VX001179.D

Acq: 27 Apr 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

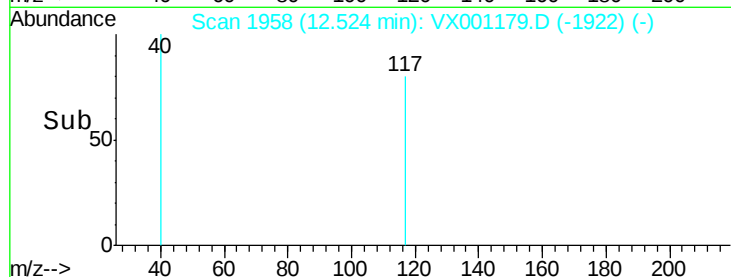
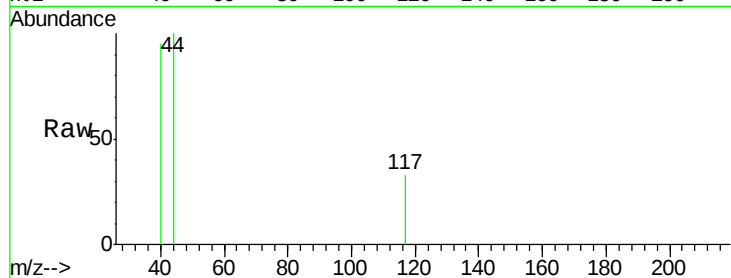
LF014MW080-180416

Tgt Ion:117 Resp: 19

Ion Ratio Lower Upper

117 100

201 0.0 51.8 155.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

