

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001176.D
 Acq On : 27 Apr 2018 17:45
 Operator : JC/MD
 Sample : J2464-09DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015RW050-180417DL

Quant Time: Apr 28 03:09:31 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	189926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	261725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	233926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125855	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	135768	46.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.24%		
35) Dibromofluoromethane	5.51	113	106265	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.10%		
50) Toluene-d8	8.72	98	404034	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.84%		
62) 4-Bromofluorobenzene	11.15	95	135783	42.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.04%		

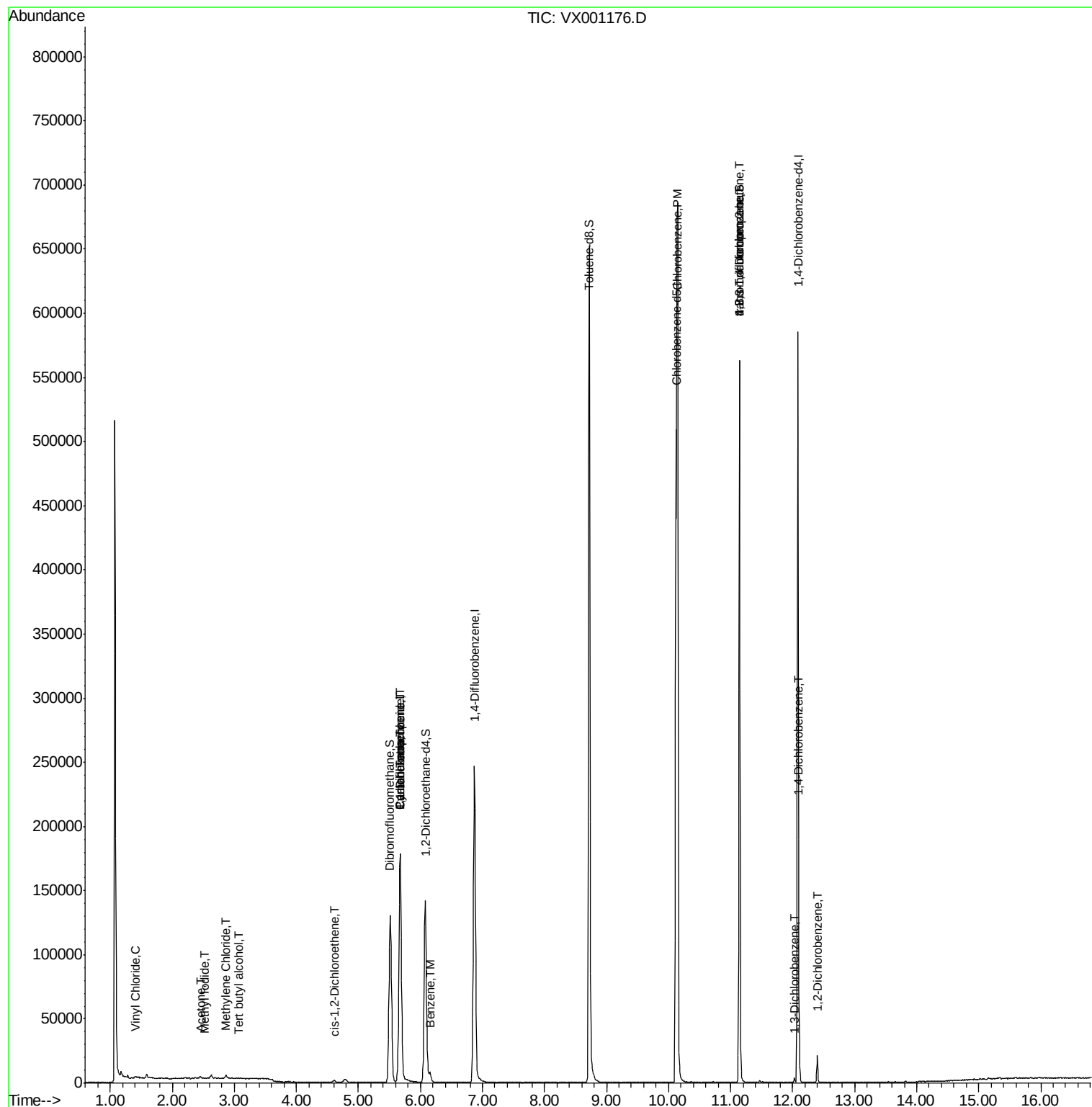
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	666	0.301	ug/l	96
5) Bromomethane	1.62	94	48	Below Cal	#	3
10) Methyl Iodide	2.53	142	107	7.284	ug/l #	91
11) Tert butyl alcohol	3.07	59	365	0.629	ug/l #	72
16) Acetone	2.45	43	1361	1.124	ug/l	94
20) Methylene Chloride	2.86	84	1200	0.532	ug/l #	92
27) cis-1,2-Dichloroethene	4.60	96	852	0.367	ug/l	95
31) Cyclohexane	5.68	56	3489	1.115	ug/l #	19
36) 1,1-Dichloropropene	5.67	75	11903	4.127	ug/l #	49
38) Carbon Tetrachloride	5.67	117	16690	5.644	ug/l #	17
40) Benzene	6.15	78	7922	0.950	ug/l	96
65) Chlorobenzene	10.15	112	305025	49.769	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	70572	27.538	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	70572	83.681	ug/l #	6
87) 1,3-Dichlorobenzene	12.04	146	1409	0.323	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	10699	2.351	ug/l	86
91) 1,2-Dichlorobenzene	12.40	146	6459	1.463	ug/l	96

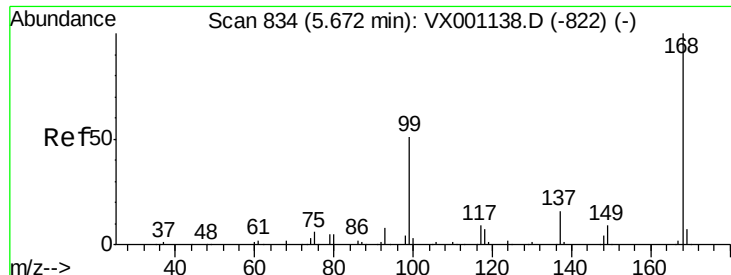
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
Data File : VX001176.D
Acq On : 27 Apr 2018 17:45
Operator : JC/MD
Sample : J2464-09DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF015RW050-180417DL

Quant Time: Apr 28 03:09:31 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

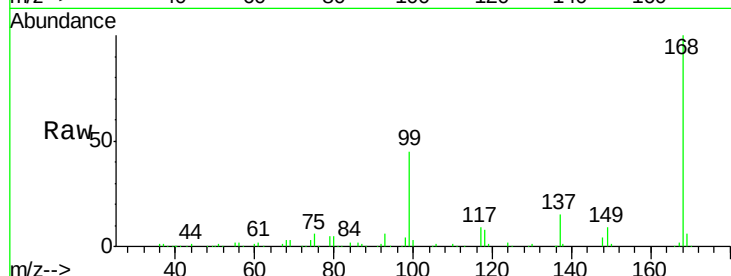
LF015RW050-180417DL

Tgt Ion: 168 Resp: 189926

Ion Ratio Lower Upper

168 100

99 45.4 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

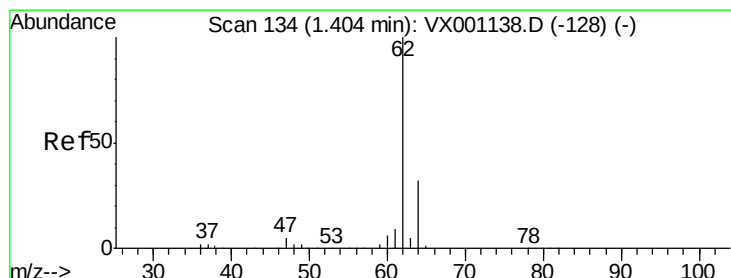
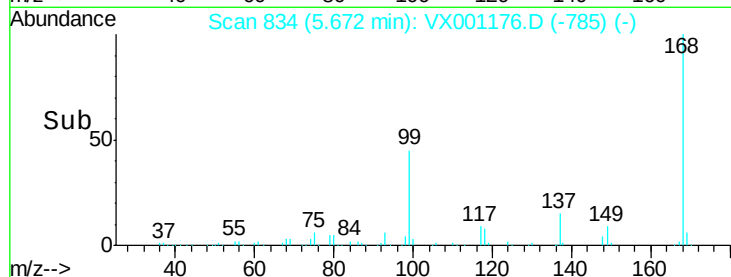
40000

20000

0

5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.301 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001176.D

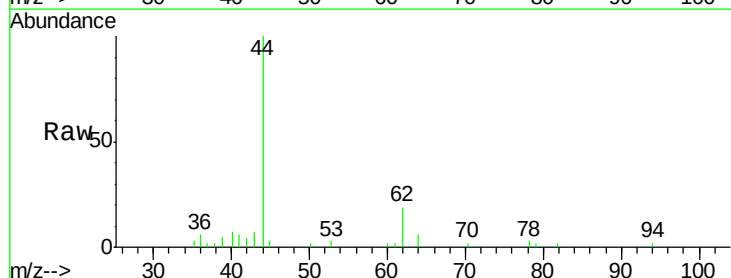
Acq: 27 Apr 2018 17:45

Tgt Ion: 62 Resp: 666

Ion Ratio Lower Upper

62 100

64 29.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

600

500

400

300

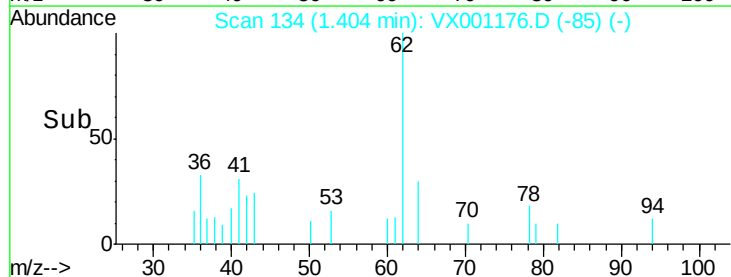
200

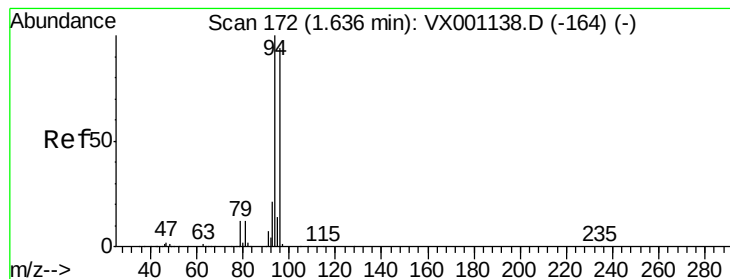
100

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

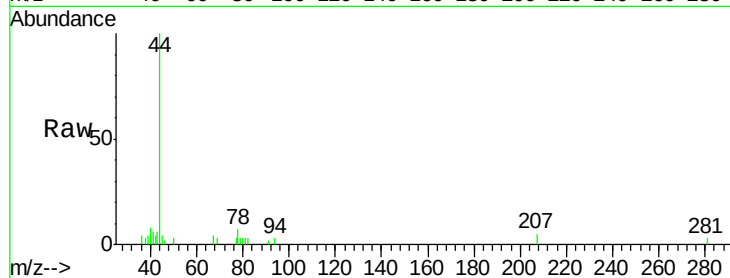
LF015RW050-180417DL

Tgt Ion: 94 Resp: 48

Ion Ratio Lower Upper

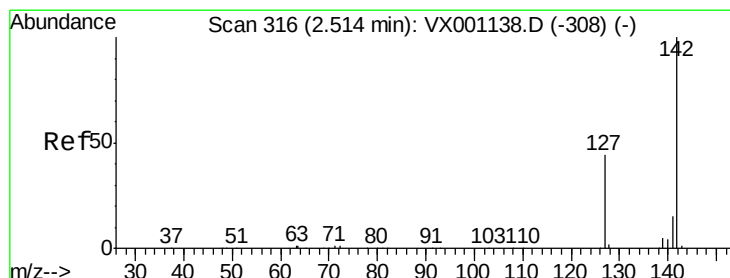
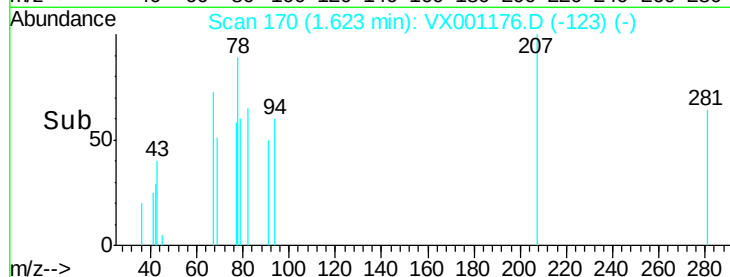
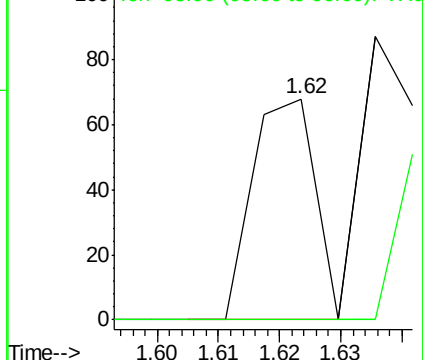
94 100

96 0.0 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 7.284 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

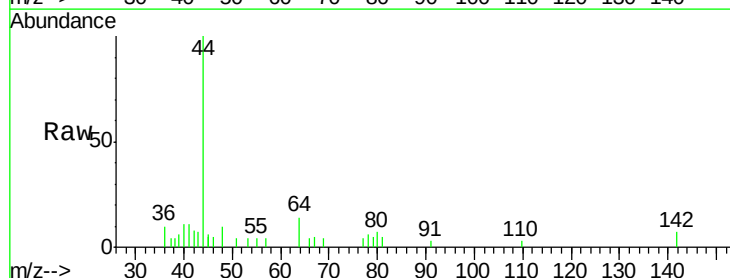
Tgt Ion: 142 Resp: 107

Ion Ratio Lower Upper

142 100

127 43.0 34.7 52.1

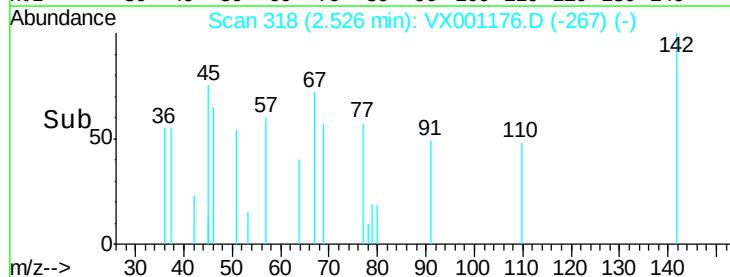
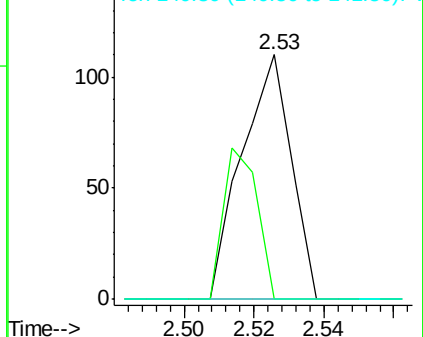
141 0.0 11.6 17.4#

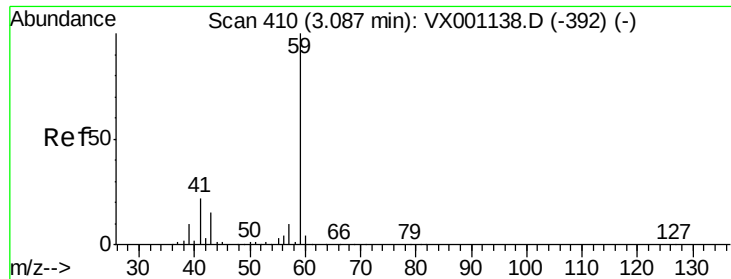


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

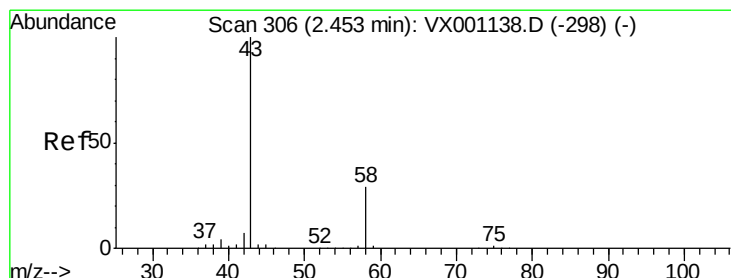
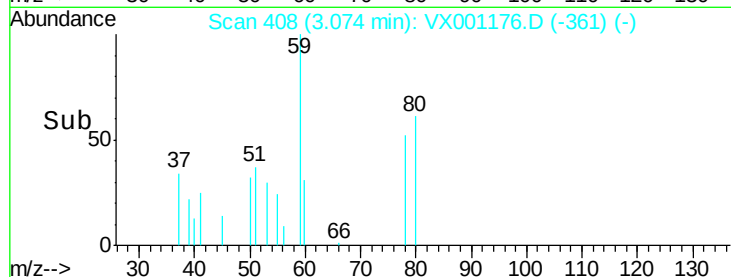
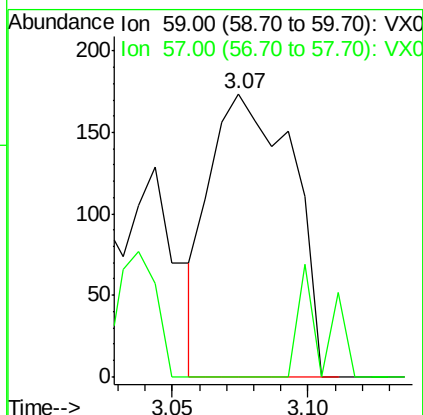
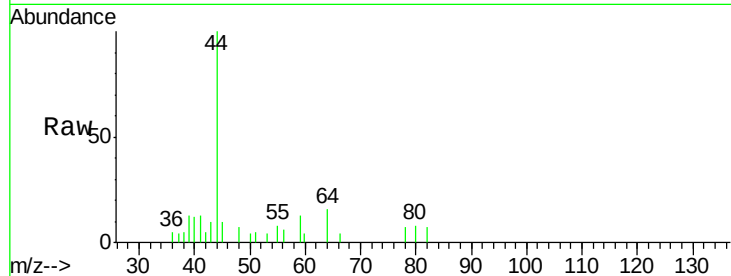




#11
Tert butyl alcohol
Concen: 0.629 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

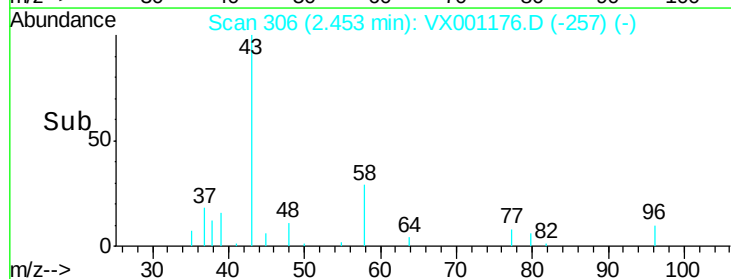
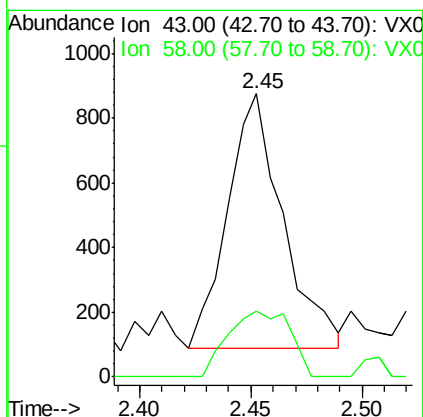
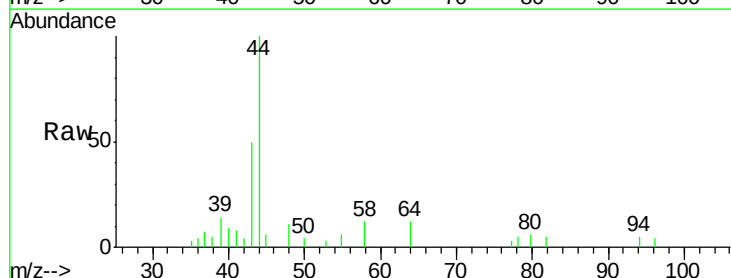
Instrument :
MSVOA_X
ClientSampleId :
LF015RW050-180417DL

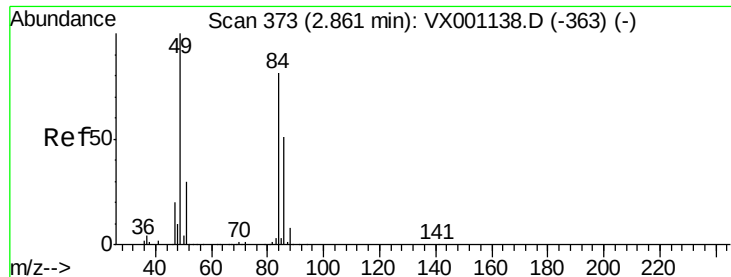
Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 1.124 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
58 25.8 23.0 34.6





#20

Methylene Chloride

Concen: 0.532 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

LF015RW050-180417DL

Tgt Ion: 84 Resp: 1200

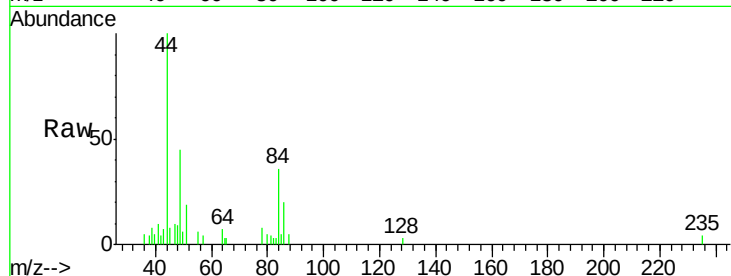
Ion Ratio Lower Upper

84 100

49 127.4 99.2 148.8

51 52.2 29.5 44.3#

86 55.6 50.2 75.2

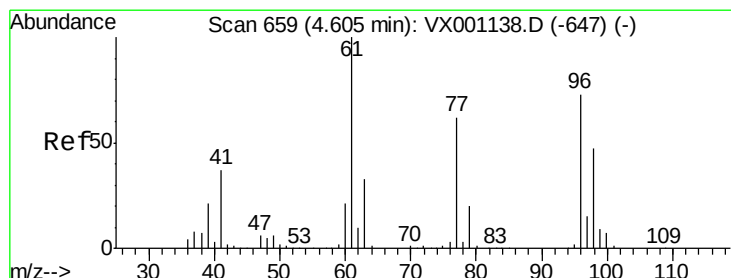
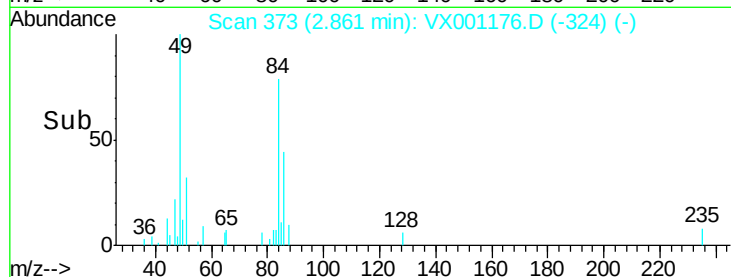
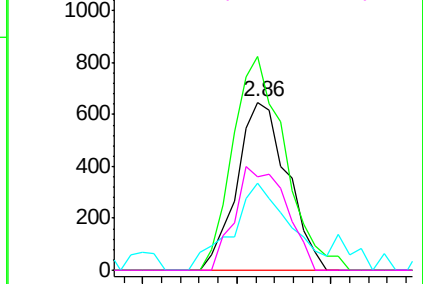


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.367 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

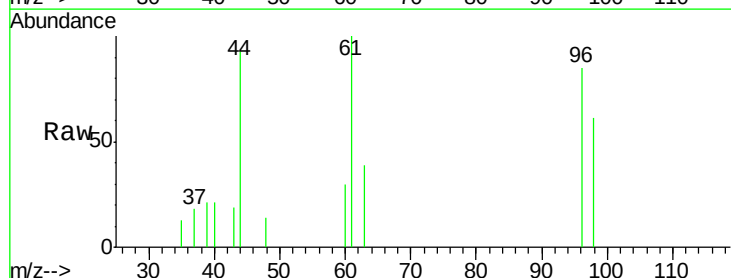
Tgt Ion: 96 Resp: 852

Ion Ratio Lower Upper

96 100

61 136.7 0.0 289.0

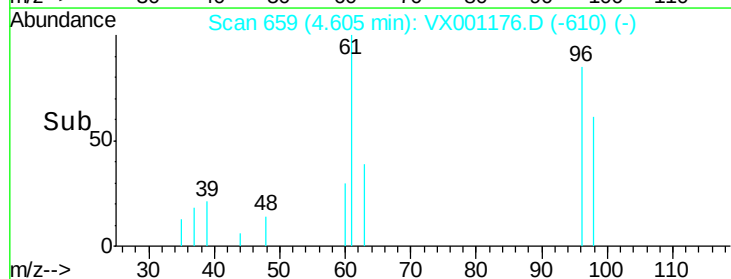
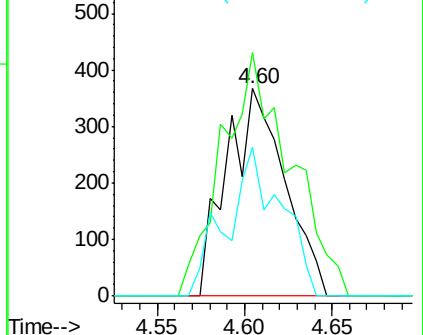
98 67.0 0.0 128.2

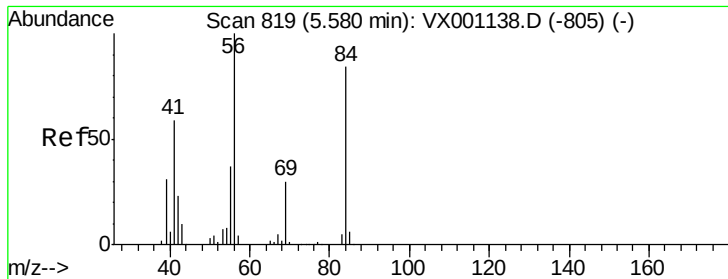


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

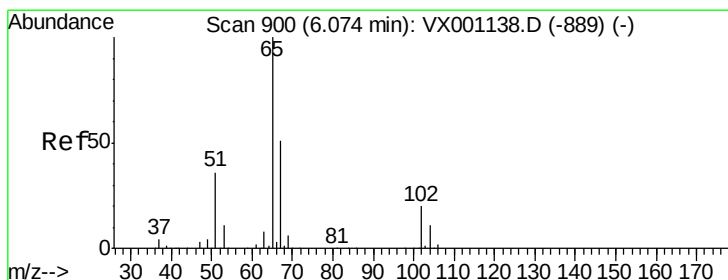
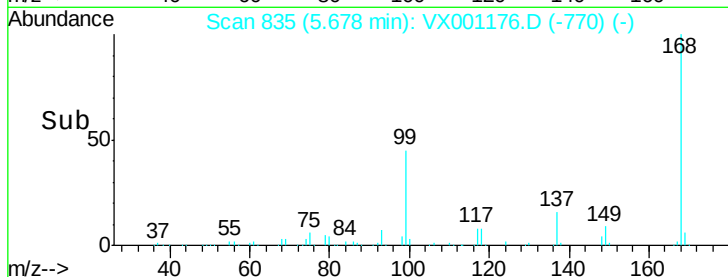
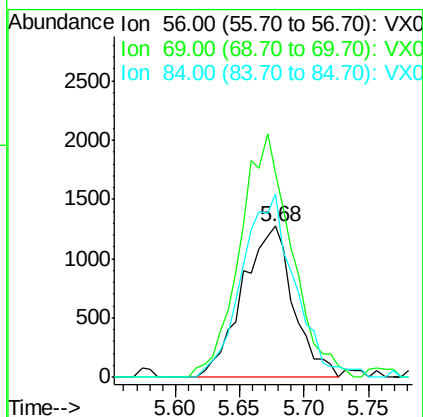
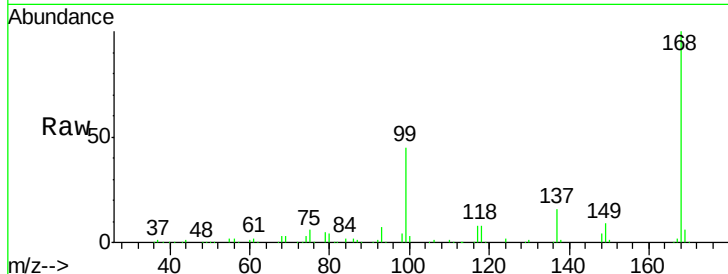




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.10 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

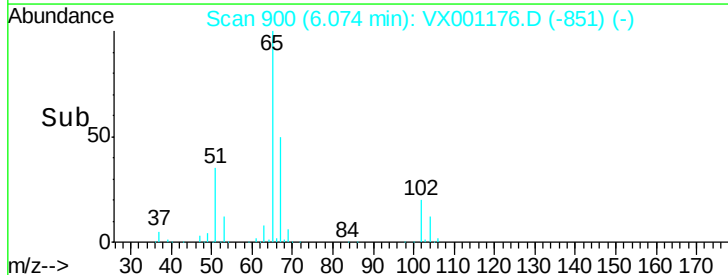
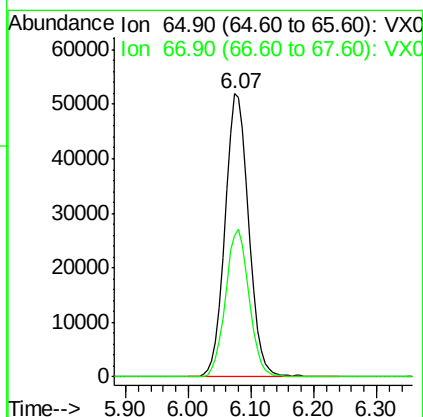
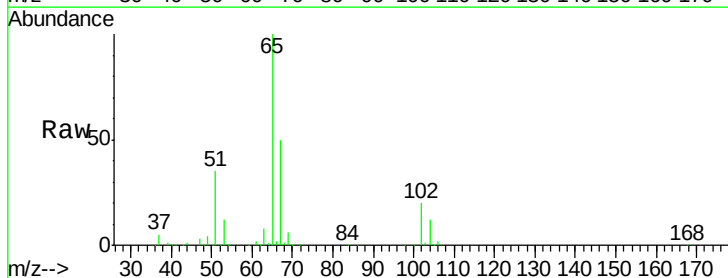
Instrument :
MSVOA_X
ClientSampleId :
LF015RW050-180417DL

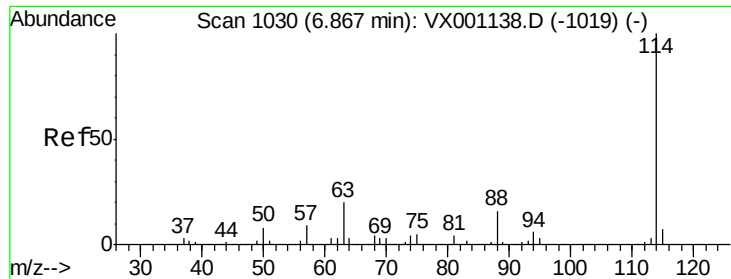
Tgt Ion: 56 Resp: 3489
Ion Ratio Lower Upper
56 100
69 135.0 24.2 36.2#
84 121.9 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 46.116 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

Tgt Ion: 65 Resp: 135768
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.2

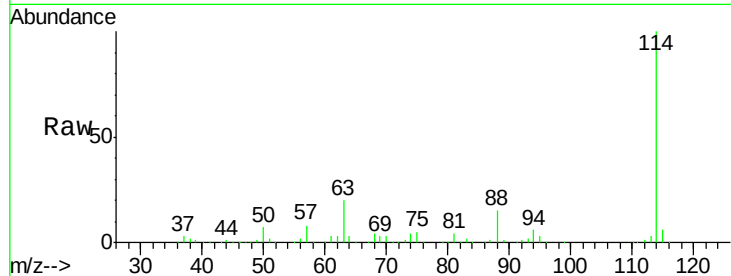




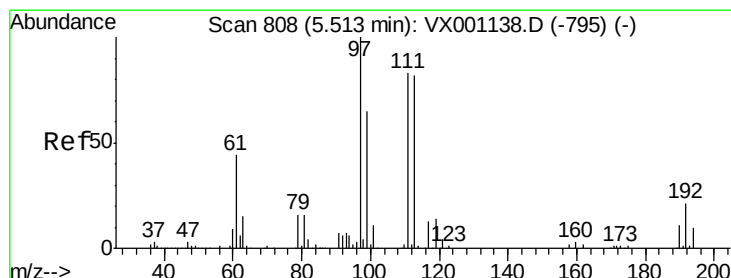
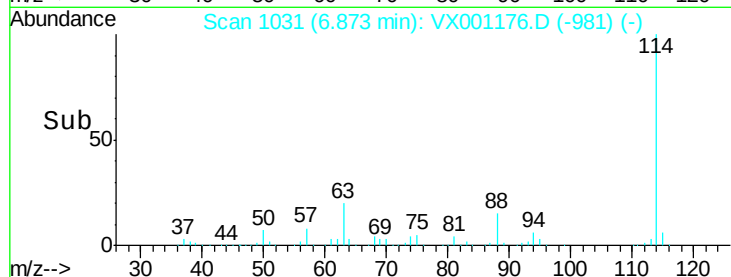
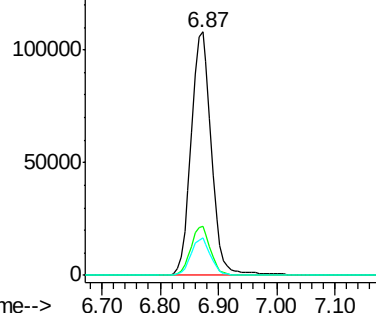
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001176.D
 Acq: 27 Apr 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015RW050-180417DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.4
88	15.4	0.0	31.8

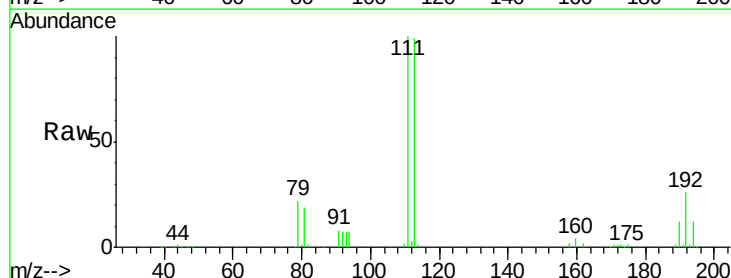


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

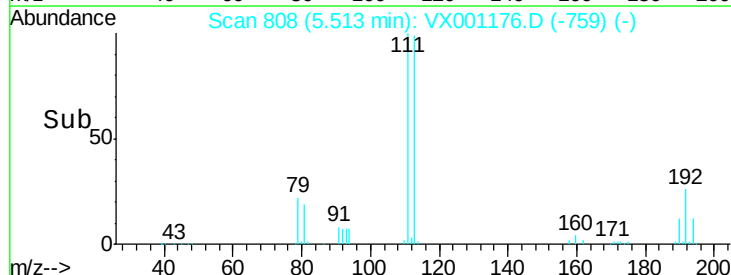
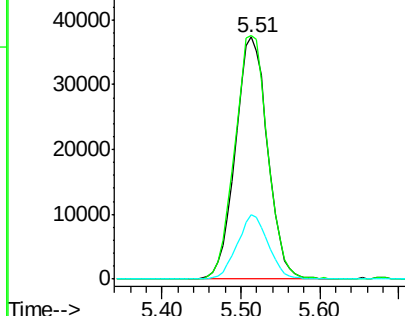


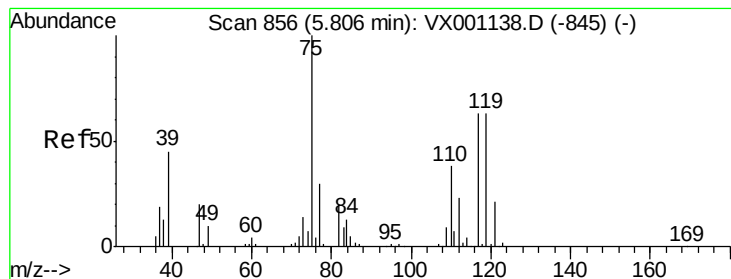
#35
 Dibromofluoromethane
 Concen: 49.054 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001176.D
 Acq: 27 Apr 2018 17:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	25.5	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: 4.127 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

LF015RW050-180417DL

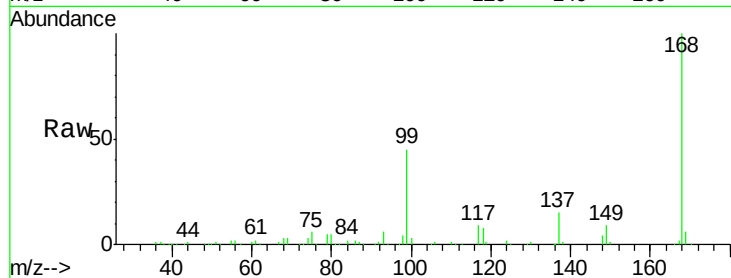
Tgt Ion: 75 Resp: 11903

Ion Ratio Lower Upper

75 100

110 10.3 19.0 57.0#

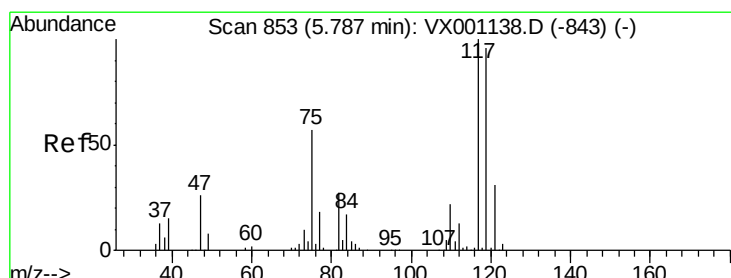
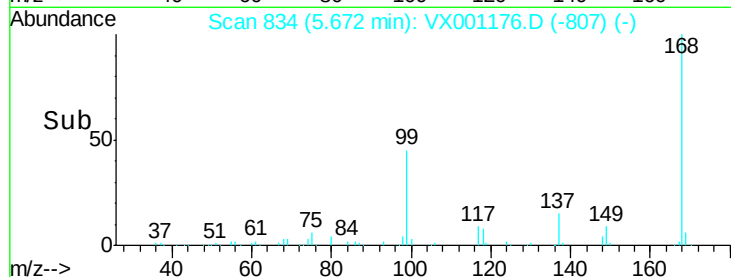
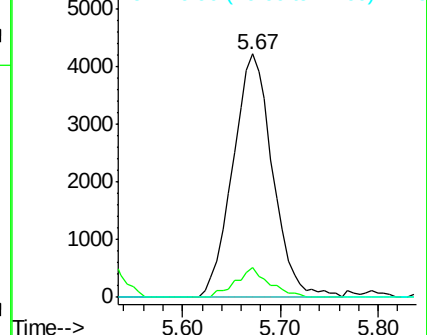
77 0.0 24.8 37.2#



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: 5.644 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

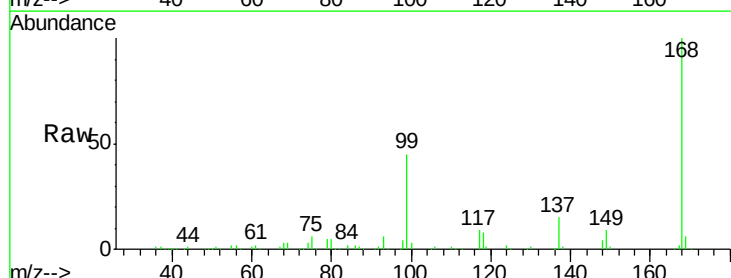
Tgt Ion: 117 Resp: 16690

Ion Ratio Lower Upper

117 100

119 6.2 76.5 114.7#

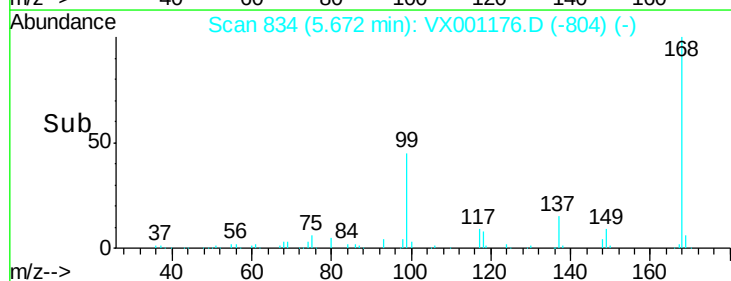
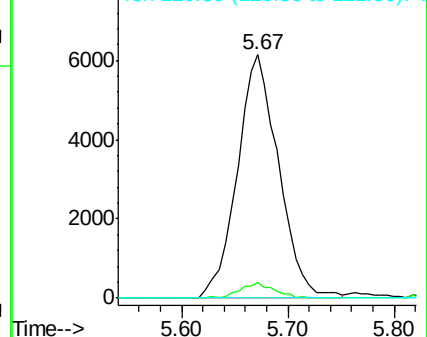
121 0.0 24.6 37.0#

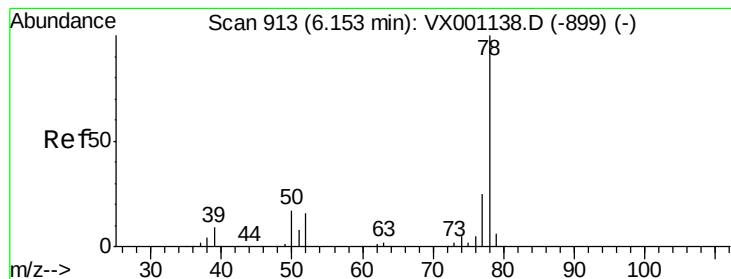


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.950 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

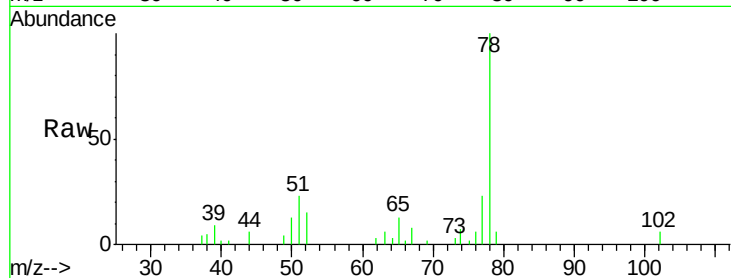
LF015RW050-180417DL

Tgt Ion: 78 Resp: 7922

Ion Ratio Lower Upper

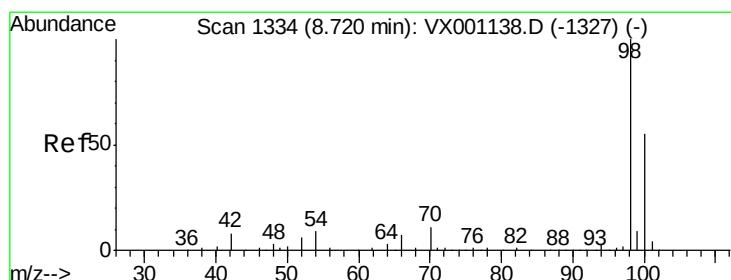
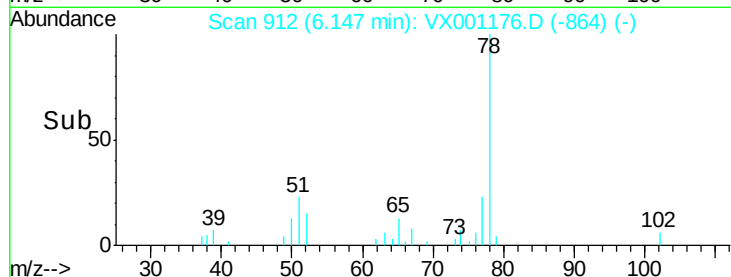
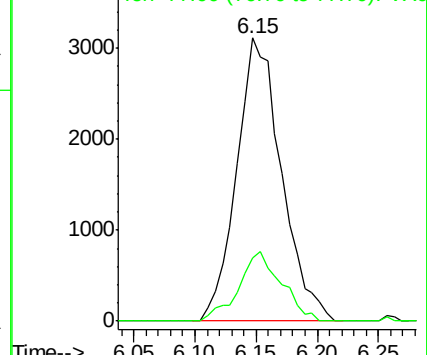
78 100

77 22.6 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.422 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001176.D

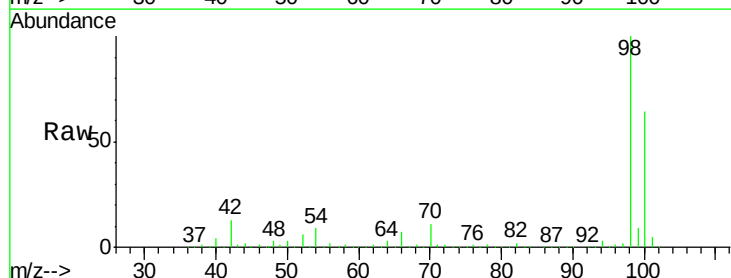
Acq: 27 Apr 2018 17:45

Tgt Ion: 98 Resp: 404034

Ion Ratio Lower Upper

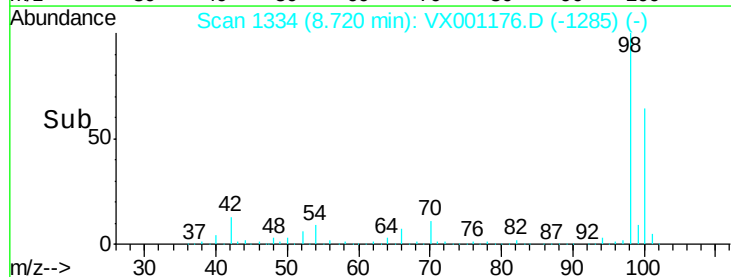
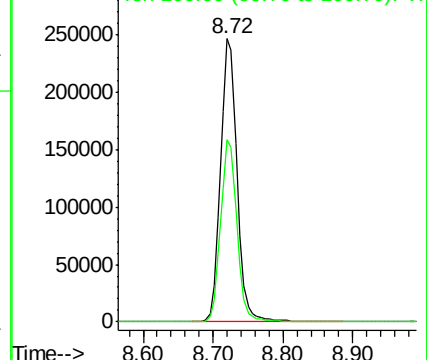
98 100

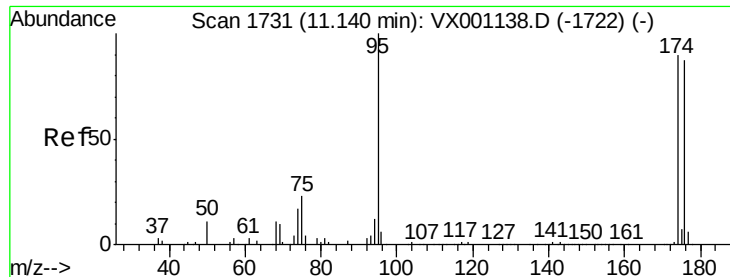
100 64.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

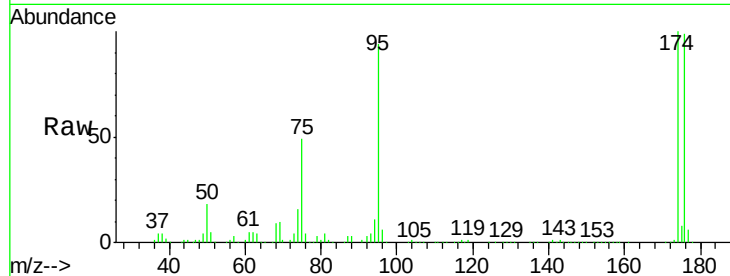




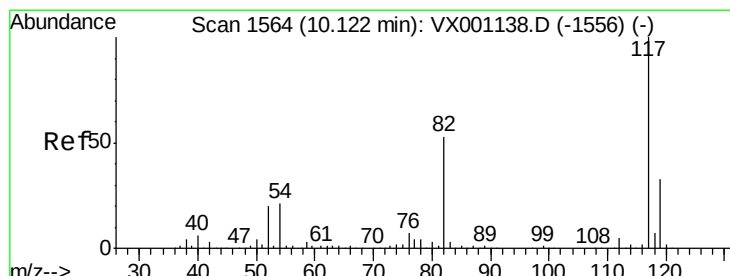
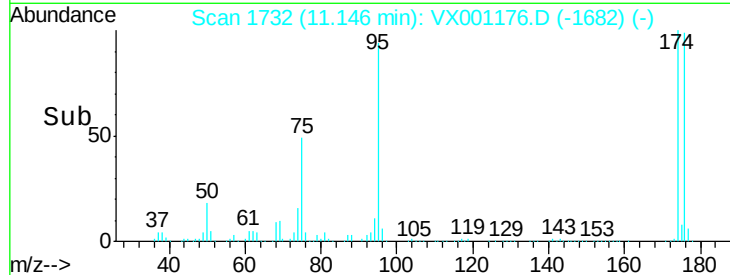
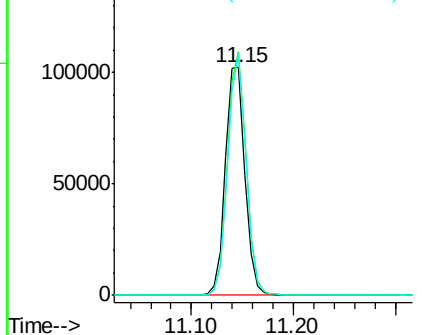
#62
4-Bromofluorobenzene
Concen: 42.517 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
LF015RW050-180417DL

Tgt Ion: 95 Resp: 135783
Ion Ratio Lower Upper
95 100
174 101.3 0.0 194.4
176 98.7 0.0 190.2

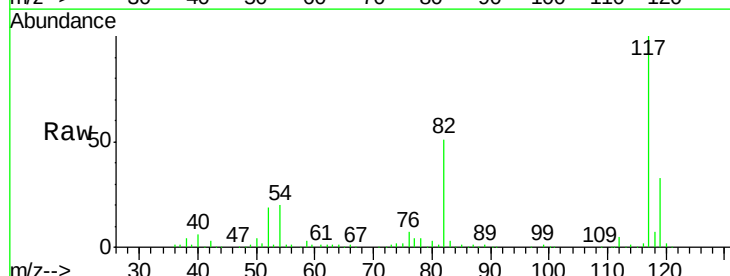


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

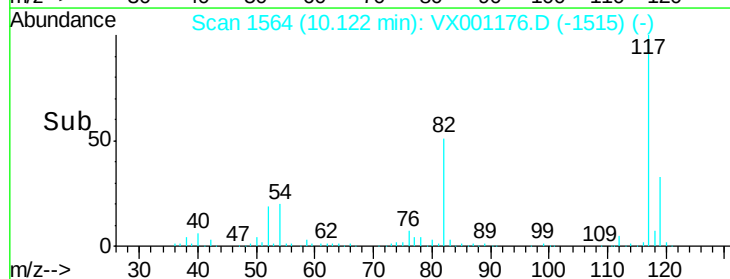
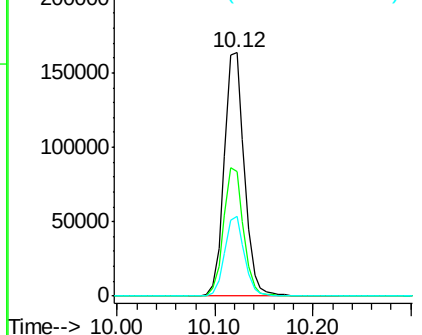


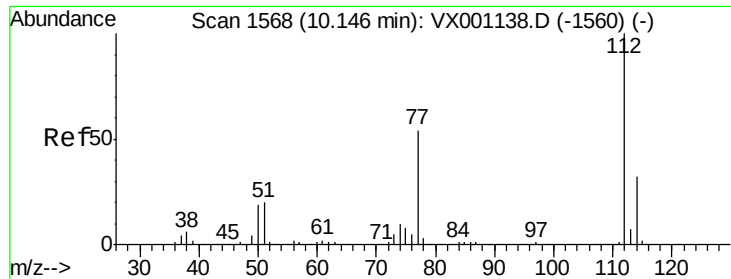
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

Tgt Ion: 117 Resp: 233926
Ion Ratio Lower Upper
117 100
82 51.1 42.1 63.1
119 32.6 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: 49.769 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

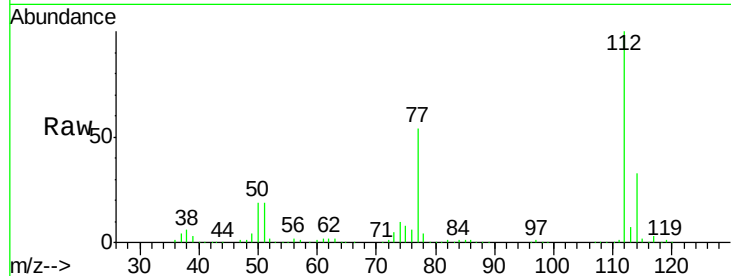
LF015RW050-180417DL

Tgt Ion:112 Resp: 305025

Ion Ratio Lower Upper

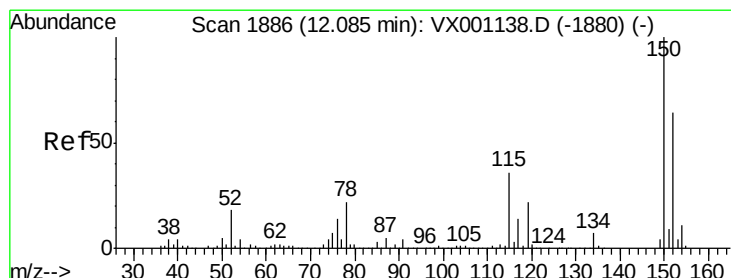
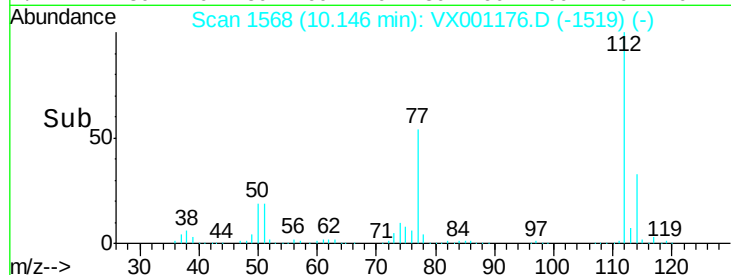
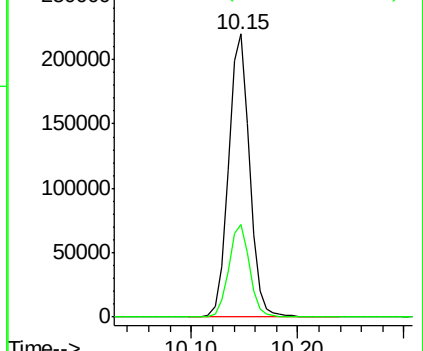
112 100

114 32.9 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: VX001176.D

Acq: 27 Apr 2018 17:45

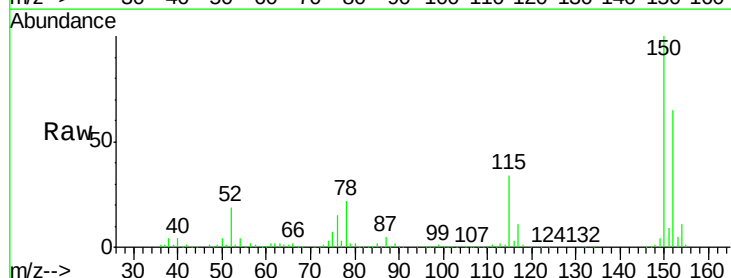
Tgt Ion:152 Resp: 125855

Ion Ratio Lower Upper

152 100

115 53.3 38.0 114.0

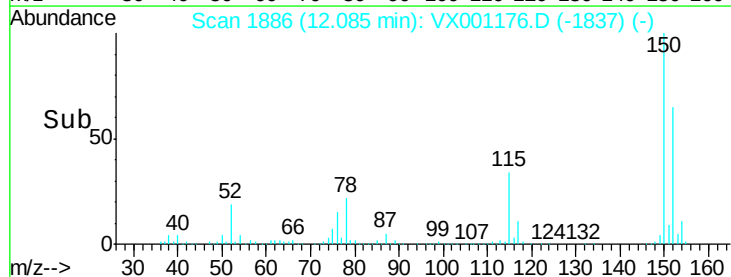
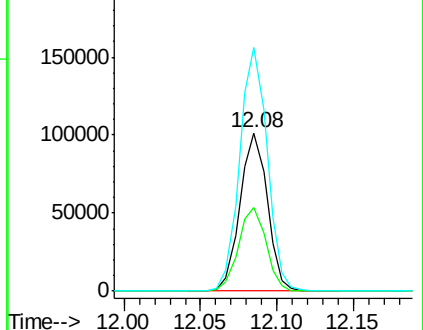
150 155.1 0.0 349.6

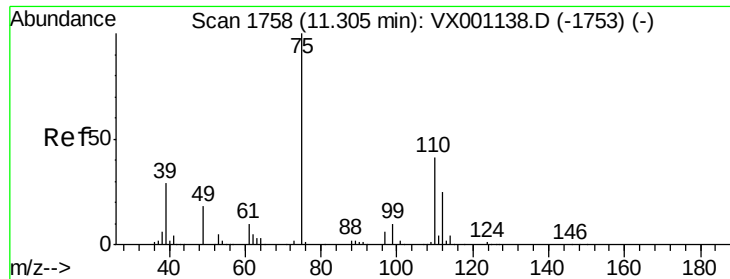


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.538 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

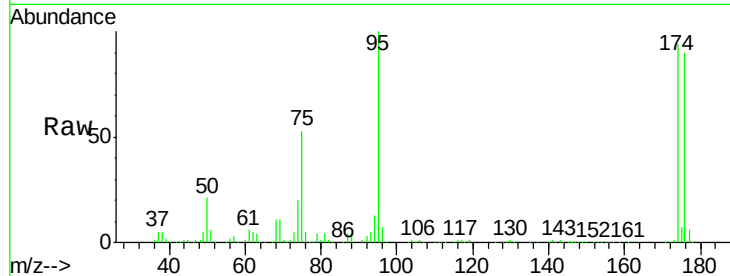
LF015RW050-180417DL

Tgt Ion: 75 Resp: 70572

Ion Ratio Lower Upper

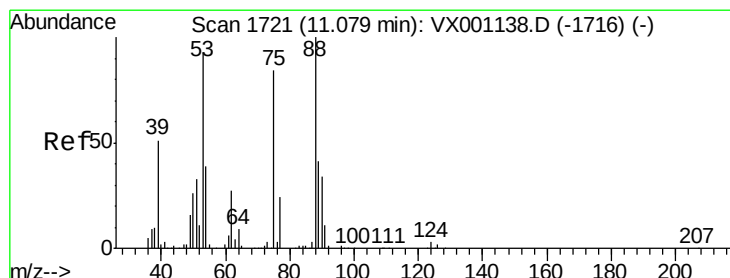
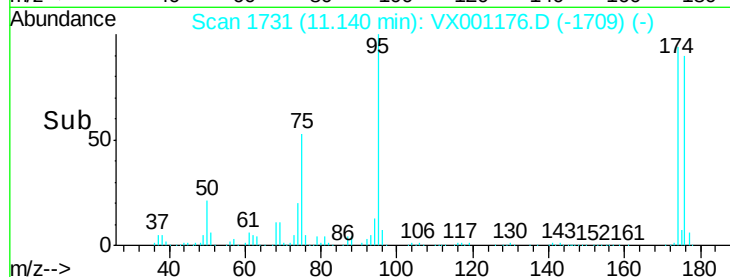
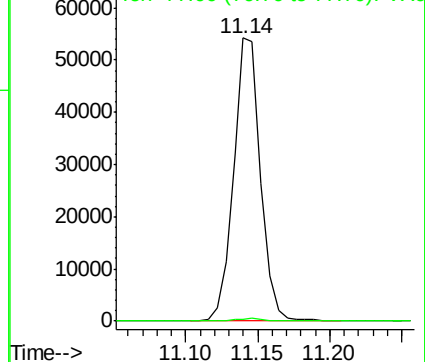
75 100

77 1.0 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: 83.681 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

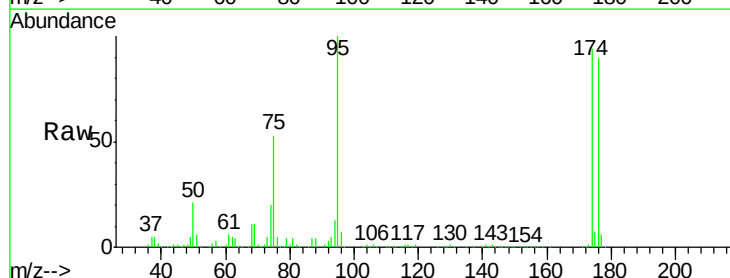
Tgt Ion: 75 Resp: 70572

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

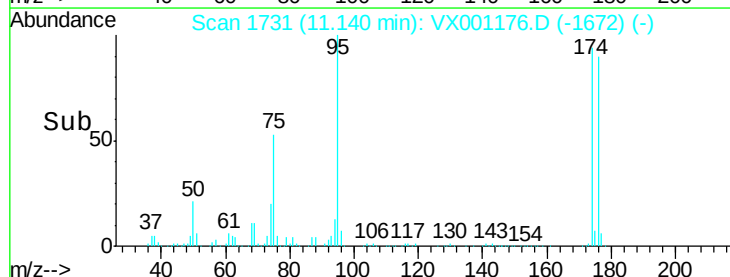
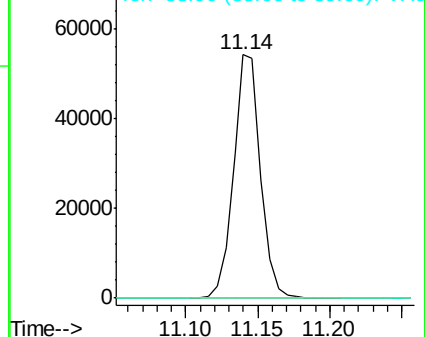
89 0.0 37.7 56.5#

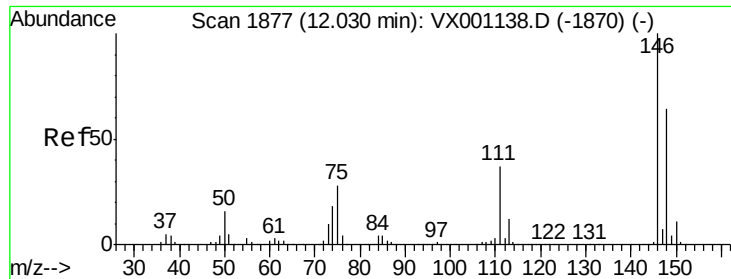


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

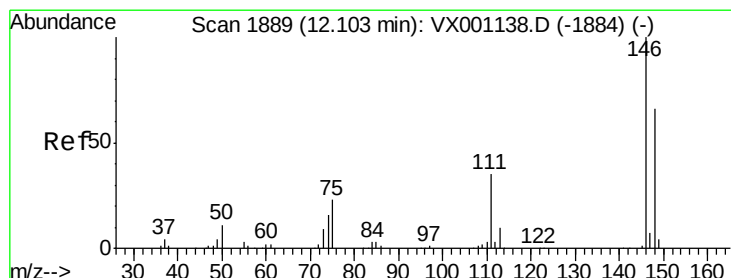
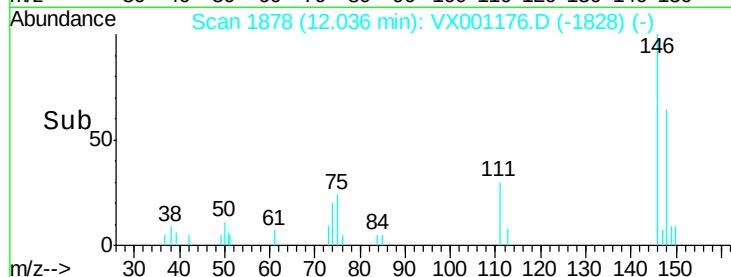
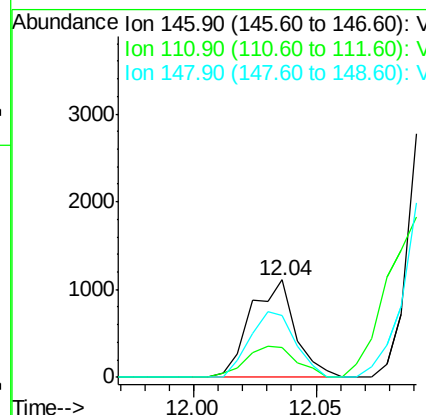
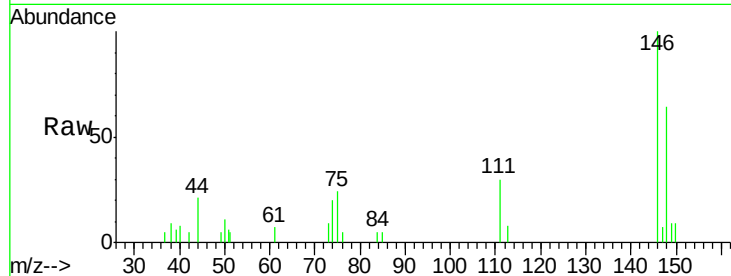




#87
 1,3-Dichlorobenzene
 Concen: 0.323 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VX001176.D
 Acq: 27 Apr 2018 17:45

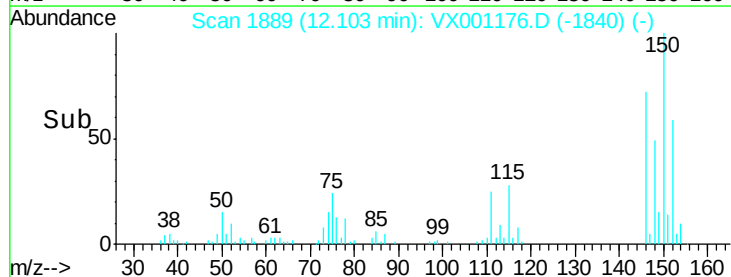
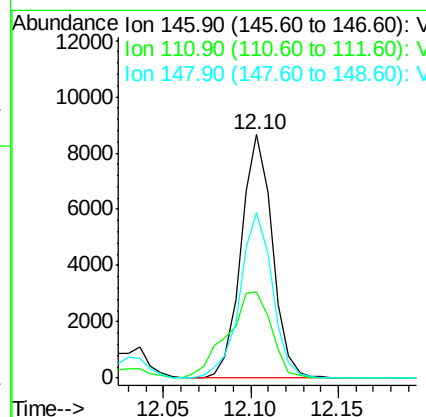
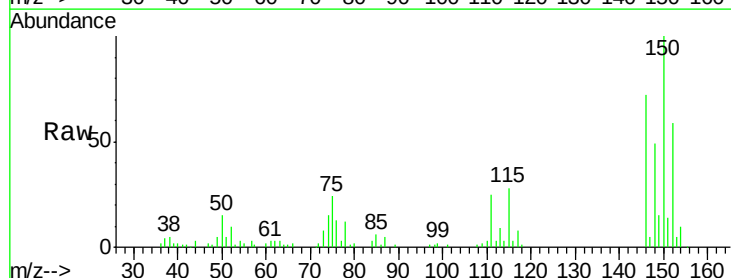
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015RW050-180417DL

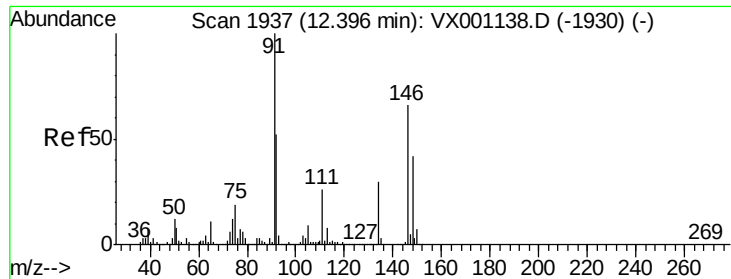
Tgt Ion:146 Resp: 1409
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.6 56.0
 148 68.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 2.351 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001176.D
 Acq: 27 Apr 2018 17:45

Tgt Ion:146 Resp: 10699
 Ion Ratio Lower Upper
 146 100
 111 50.1 18.0 54.0
 148 71.2 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 1.463 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001176.D

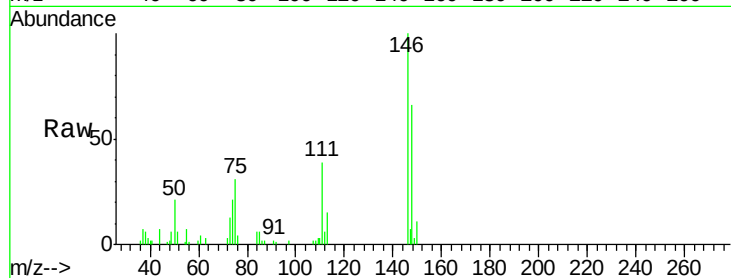
Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

LF015RW050-180417DL



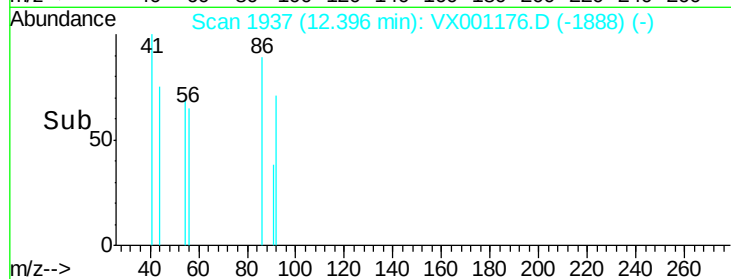
Tgt Ion:146 Resp: 6459

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.3

148 69.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

