

Data File : VX001081.D

Acq On : 24 Apr 2018 17:12

Operator : JC/MD

Sample : J2377-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

Quant Time: Apr 25 07:19:11 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	180539	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	5.51	113	137674	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	8.72	98	529239	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.14	95	176701	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	

Target Compounds

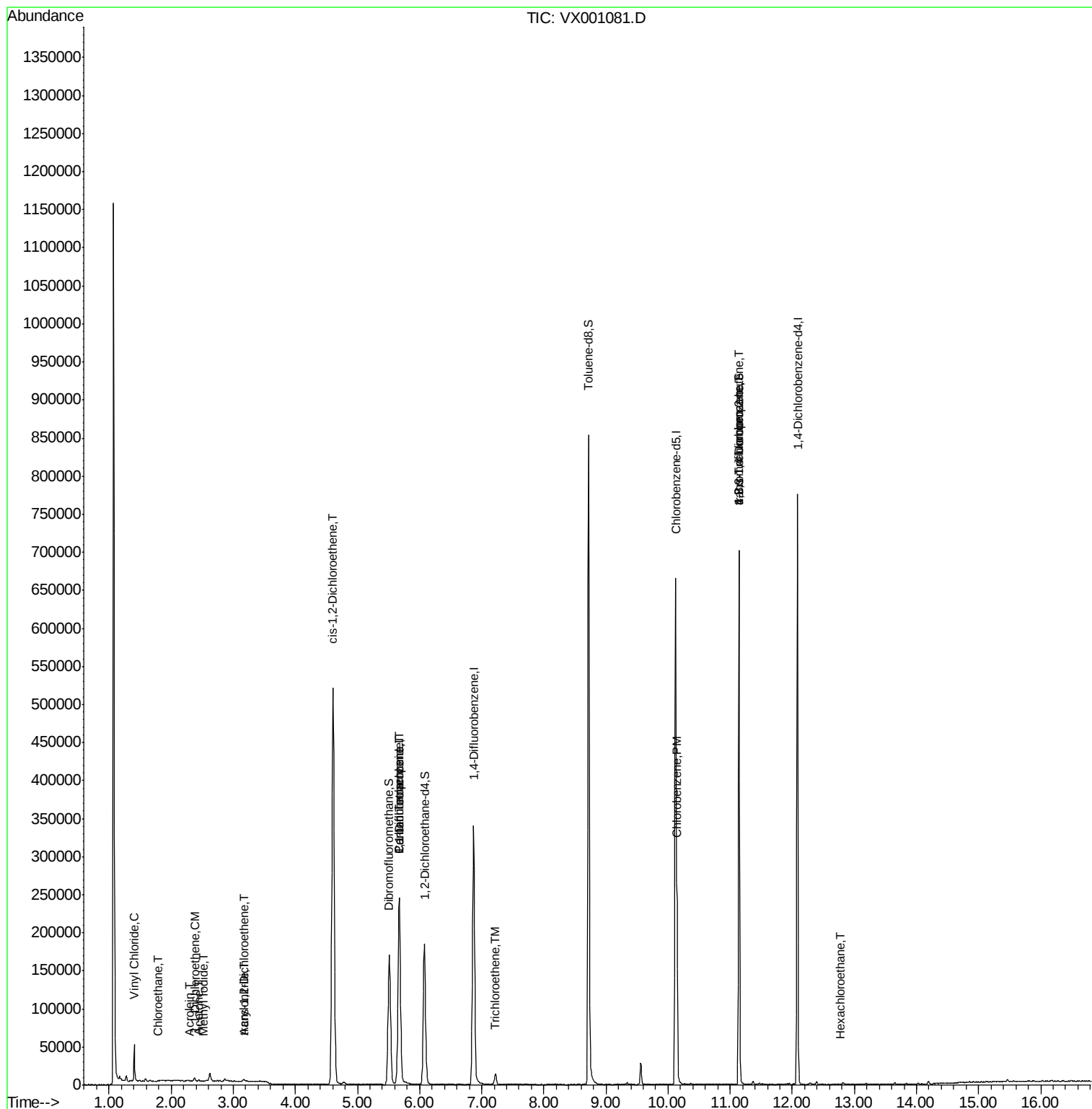
						Qvalue
4) Vinyl Chloride	1.40	62	30345	9.74	ug/l	99
5) Bromomethane	1.66	94	378	Below	Cal	92
6) Chloroethane	1.79	64	1083	0.58	ug/l #	43
10) Methyl Iodide	2.53	142	209	7.67	ug/l #	84
12) 1,1-Dichloroethene	2.38	96	1434	0.57	ug/l	98
13) Acrolein	2.29	56	99	11.54	ug/l #	14
15) Acrylonitrile	3.16	53	315	0.23	ug/l #	66
16) Acetone	2.45	43	1206	0.97	ug/l #	77
20) Methylene Chloride	2.86	84	971	Below	Cal	91
21) trans-1,2-Dichloroethene	3.17	96	870	0.31	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	329198	104.67	ug/l	89
36) 1,1-Dichloropropene	5.67	75	15856	3.83	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22399	5.34	ug/l #	16
44) Trichloroethene	7.22	130	5847	1.66	ug/l	94
65) Chlorobenzene	10.15	112	104074	12.75	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	90147	31.77	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90147	94.40	ug/l #	8
90) Hexachloroethane	12.76	117	372	0.26	ug/l #	1

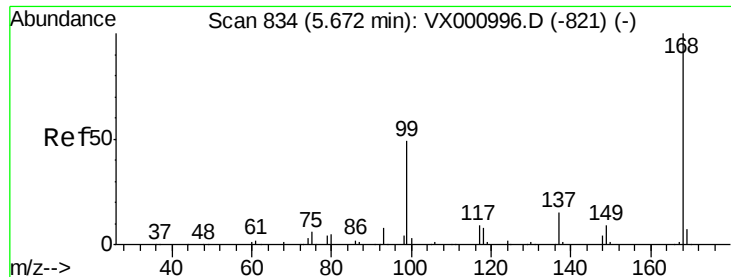
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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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: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

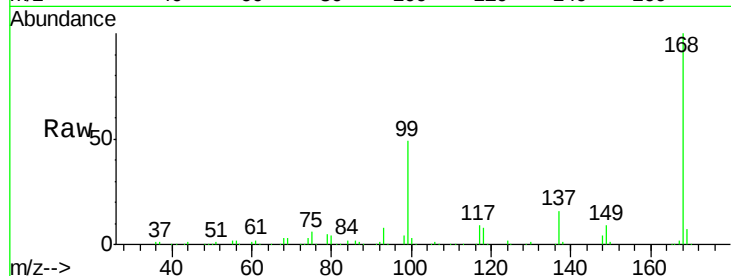
LF014RW131-180412

Tgt Ion: 168 Resp: 260311

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

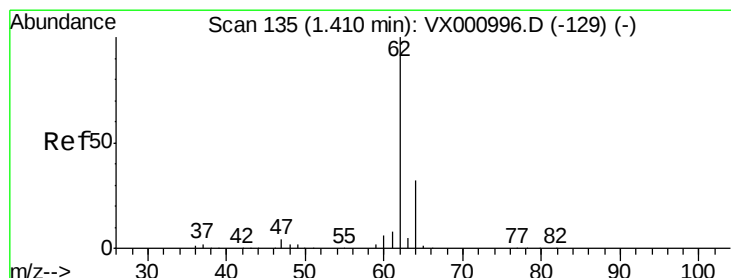
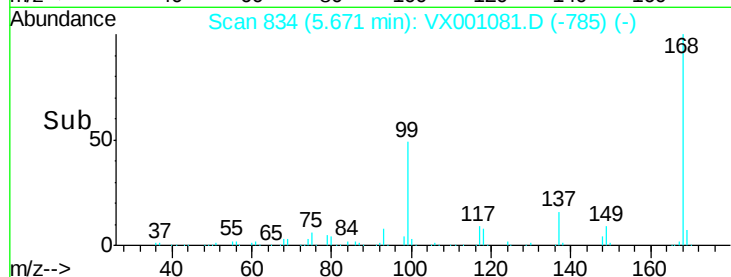
40000

20000

0

5.60 5.80

Time-->



#4

Vinyl Chloride

Concen: 9.74 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001081.D

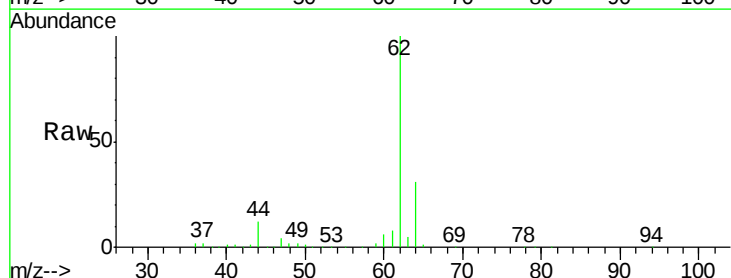
Acq: 24 Apr 2018 17:12

Tgt Ion: 62 Resp: 30345

Ion Ratio Lower Upper

62 100

64 31.2 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

30000

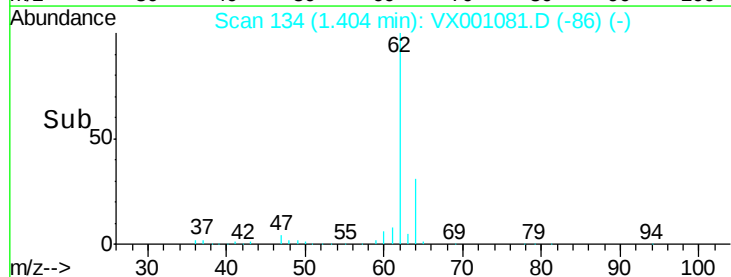
20000

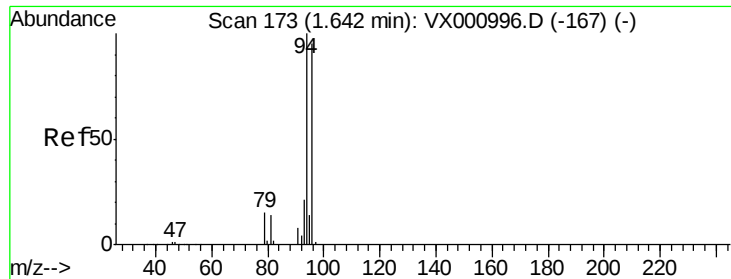
10000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

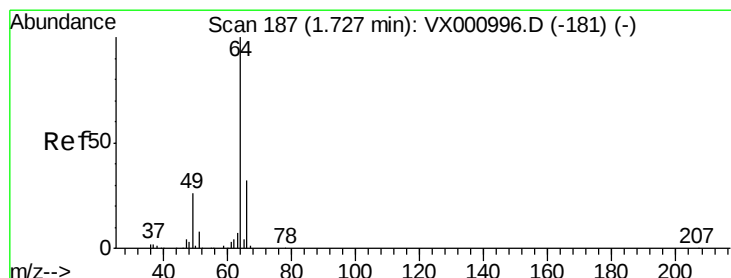
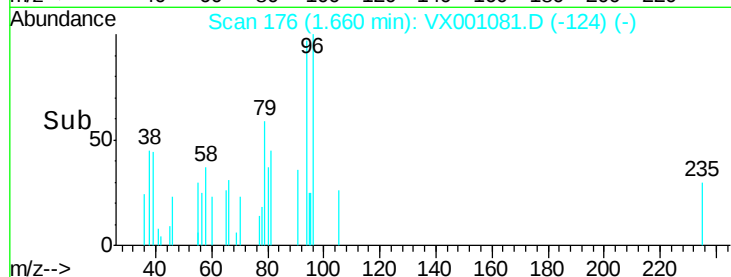
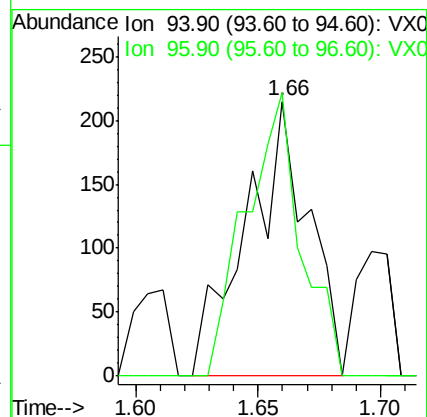
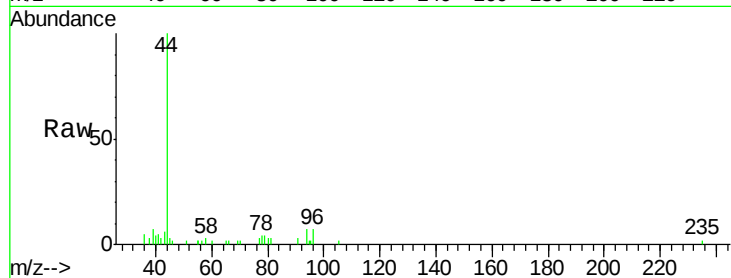
LF014RW131-180412

Tgt Ion: 94 Resp: 378

Ion Ratio Lower Upper

94 100

96 103.3 76.0 114.0



#6

Chloroethane

Concen: 0.58 ug/l

RT: 1.79 min Scan# 198

Delta R.T. 0.07 min

Lab File: VX001081.D

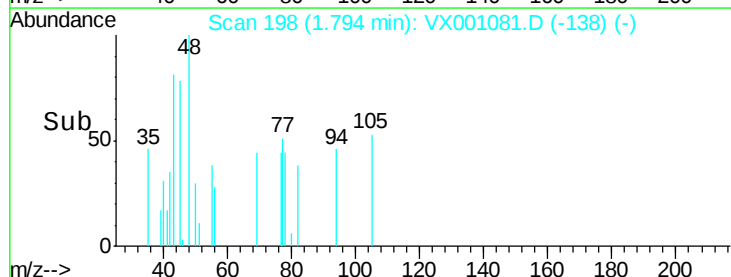
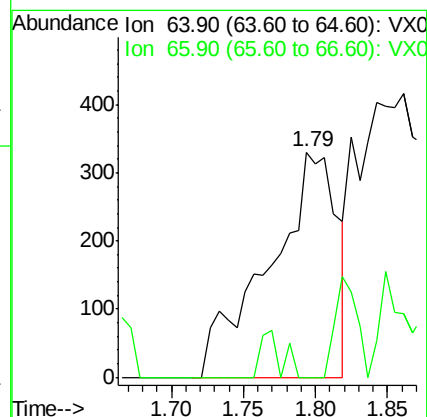
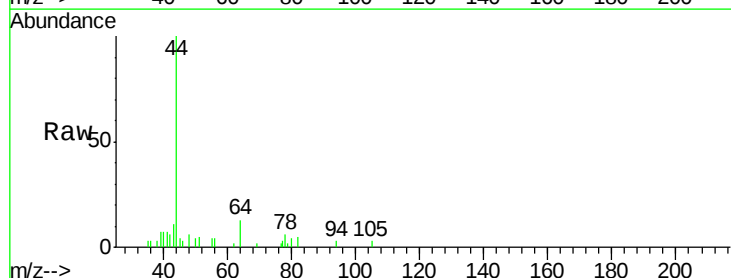
Acq: 24 Apr 2018 17:12

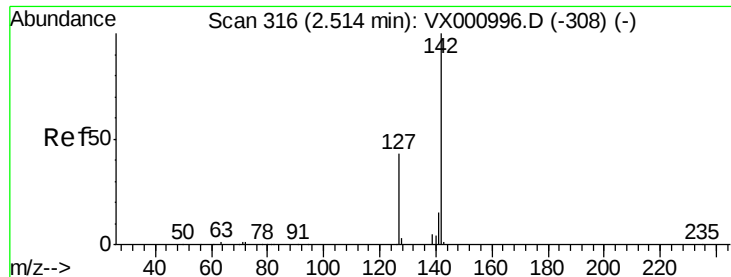
Tgt Ion: 64 Resp: 1083

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

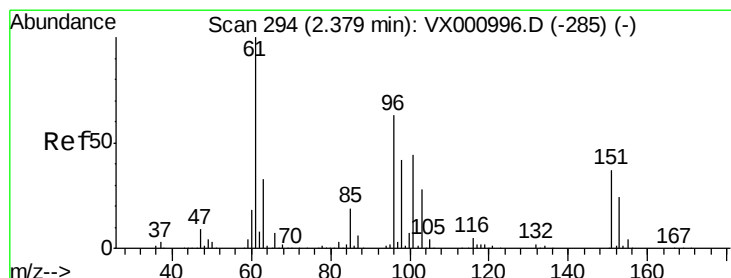
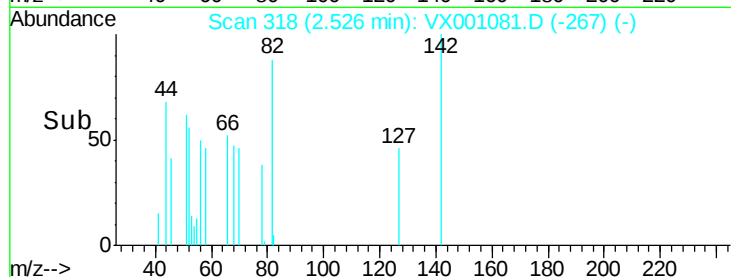
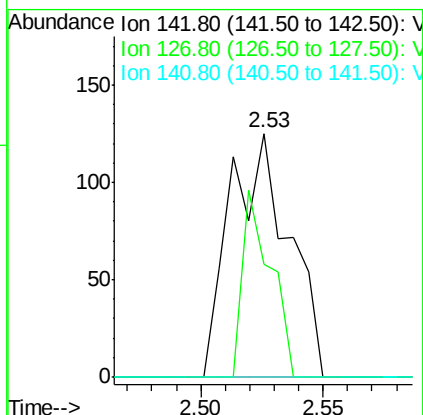
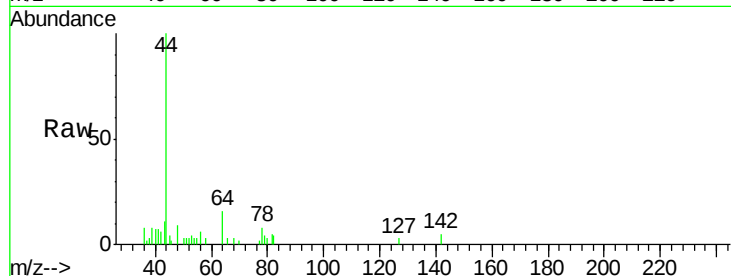




#10
Methyl Iodide
Concen: 7.67 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001081.D
Acq: 24 Apr 2018 17:12

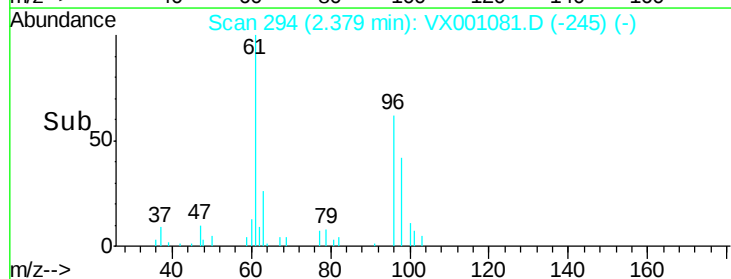
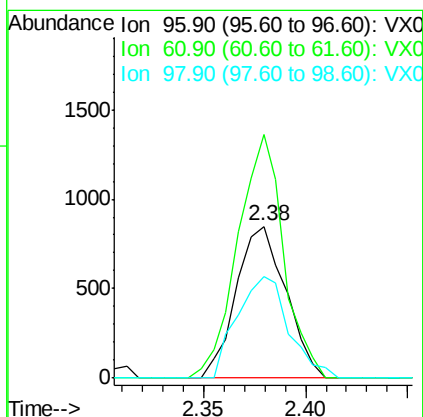
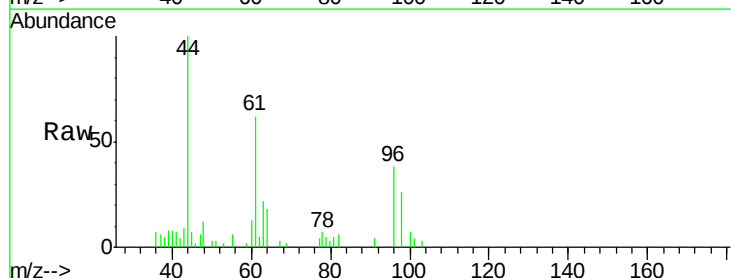
Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-180412

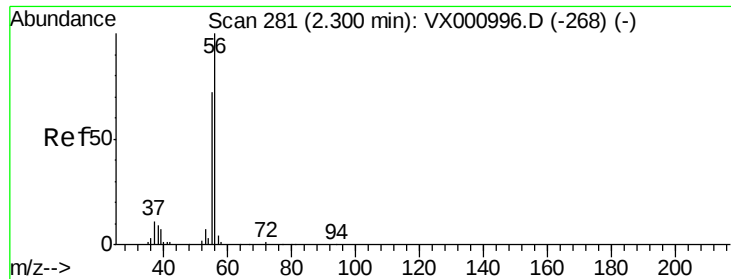
Tgt Ion: 142 Resp: 209
Ion Ratio Lower Upper
142 100
127 36.4 34.0 51.0
141 0.0 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 0.57 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX001081.D
Acq: 24 Apr 2018 17:12

Tgt Ion: 96 Resp: 1434
Ion Ratio Lower Upper
96 100
61 160.5 126.4 189.6
98 67.2 52.6 78.8





#13

Acrolein

Concen: 11.54 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

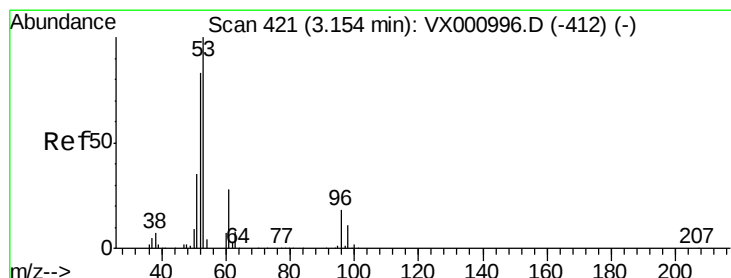
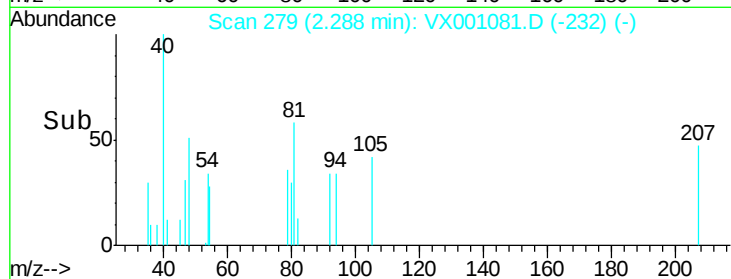
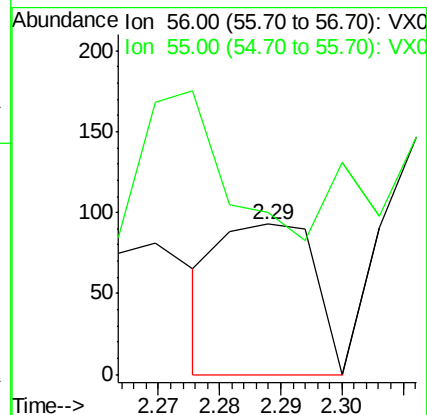
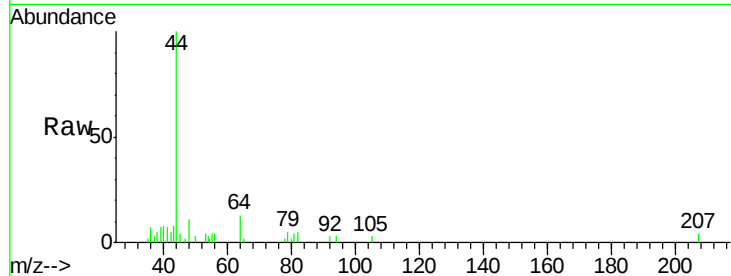
LF014RW131-180412

Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

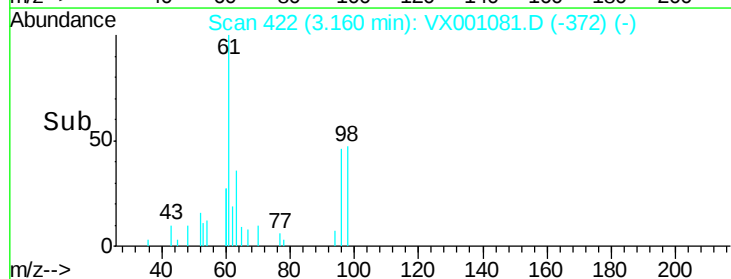
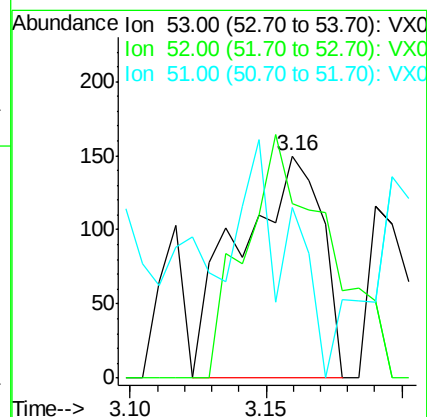
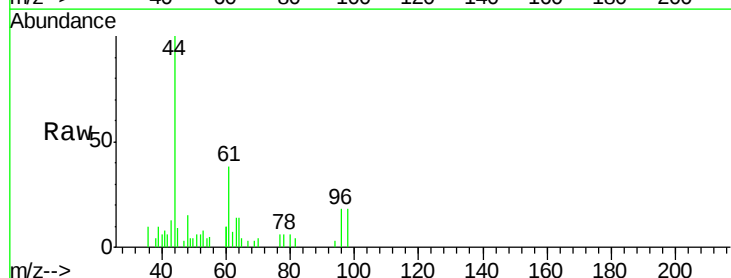
Tgt Ion: 53 Resp: 315

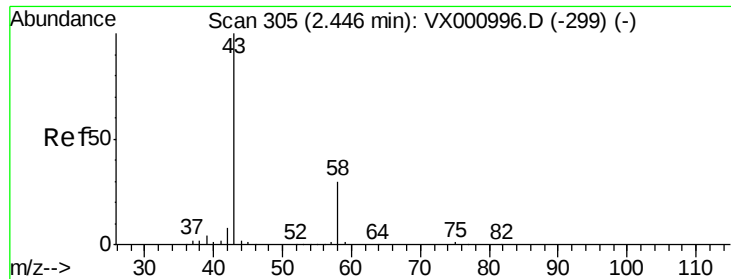
Ion Ratio Lower Upper

53 100

52 110.2 66.4 99.6#

51 61.3 29.0 43.6#





#16

Acetone

Concen: 0.97 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

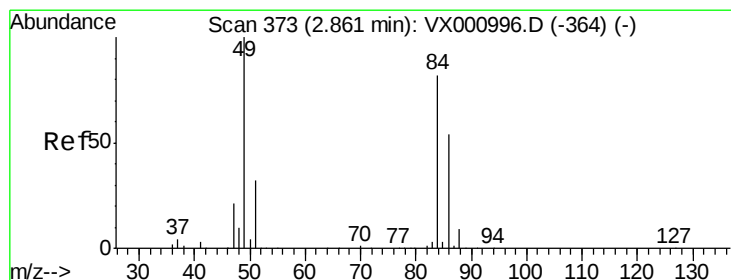
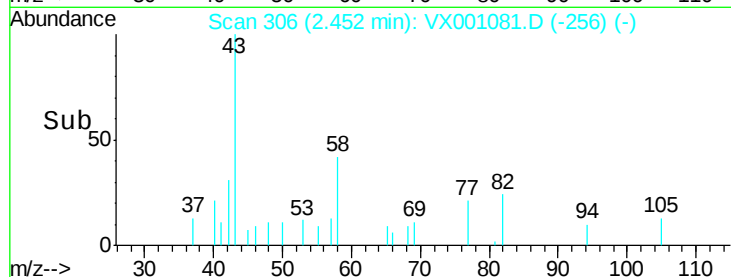
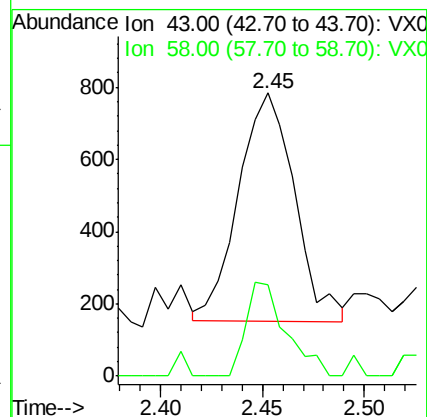
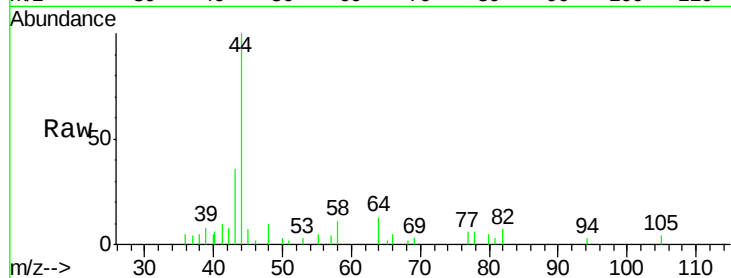
LF014RW131-180412

Tgt Ion: 43 Resp: 1206

Ion Ratio Lower Upper

43 100

58 41.9 23.7 35.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Tgt Ion: 84 Resp: 971

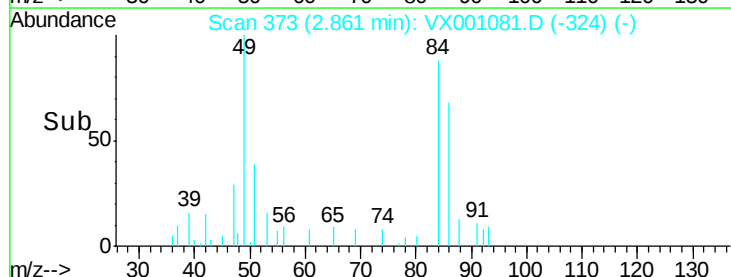
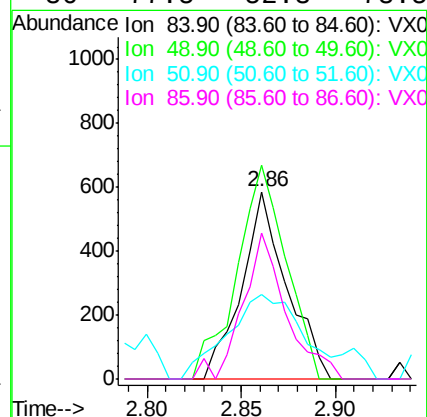
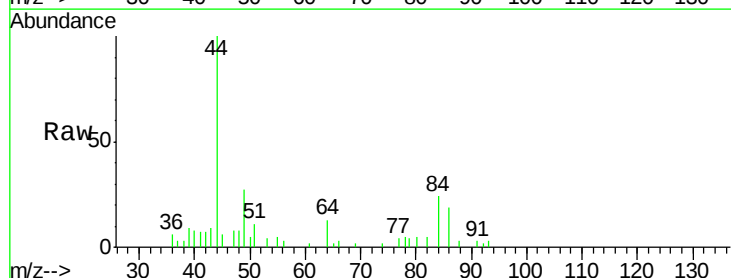
Ion Ratio Lower Upper

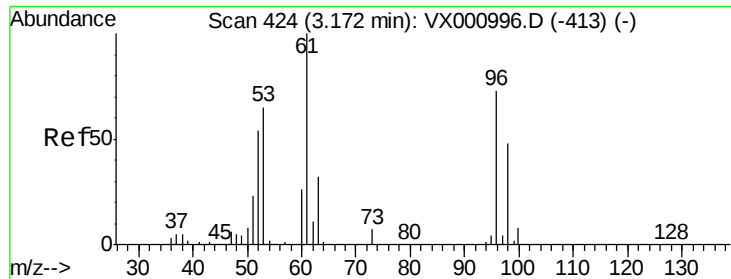
84 100

49 114.0 97.1 145.7

51 35.8 30.8 46.2

86 77.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 0.31 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

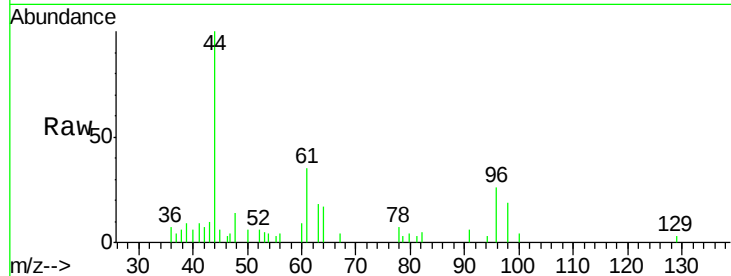
Tgt Ion: 96 Resp: 870

Ion Ratio Lower Upper

96 100

61 134.7 109.4 164.2

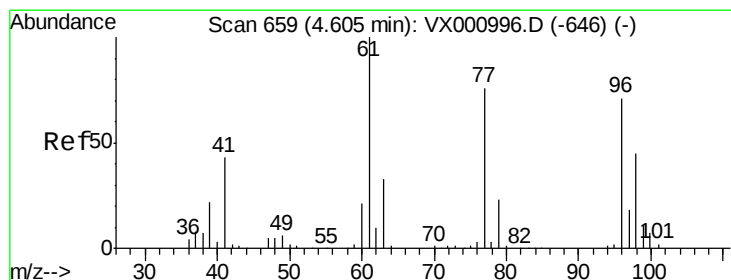
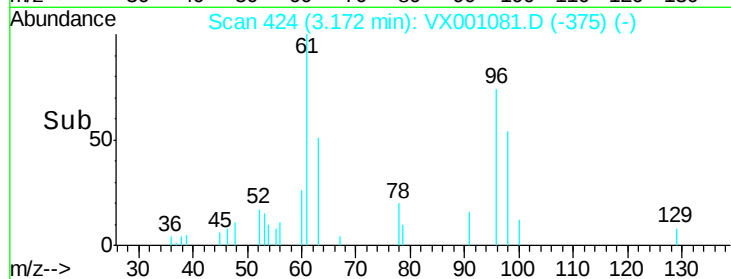
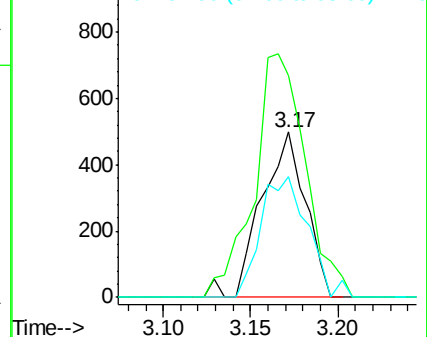
98 73.1 52.6 78.8



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



#27

cis-1,2-Dichloroethene

Concen: 104.67 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

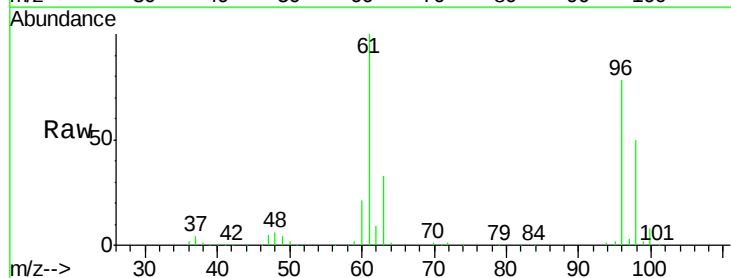
Tgt Ion: 96 Resp: 329198

Ion Ratio Lower Upper

96 100

61 128.3 0.0 297.0

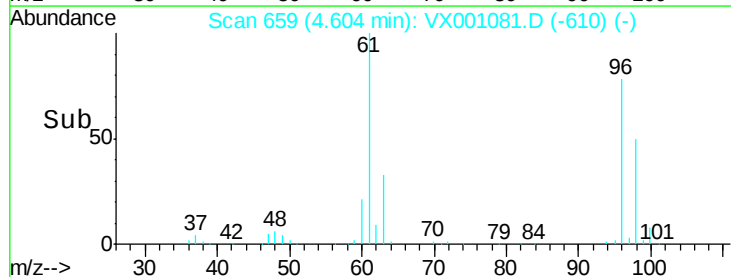
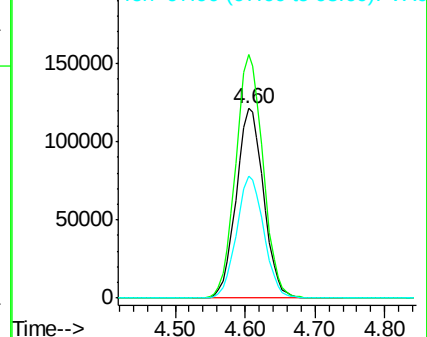
98 64.3 0.0 130.0

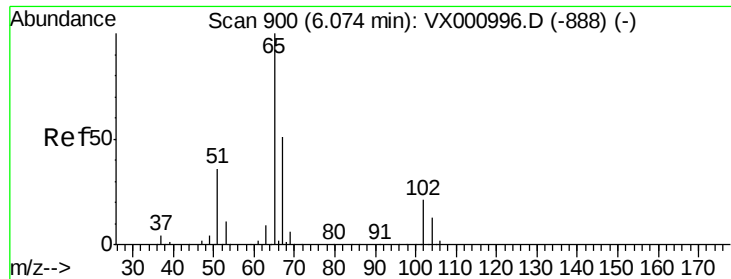


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.71 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

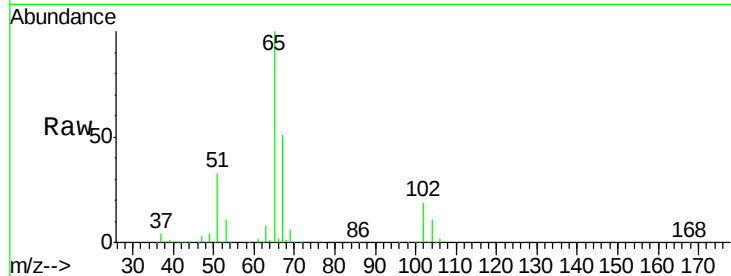
LF014RW131-180412

Tgt Ion: 65 Resp: 180539

Ion Ratio Lower Upper

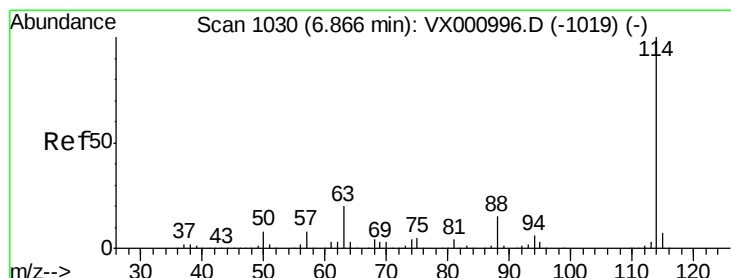
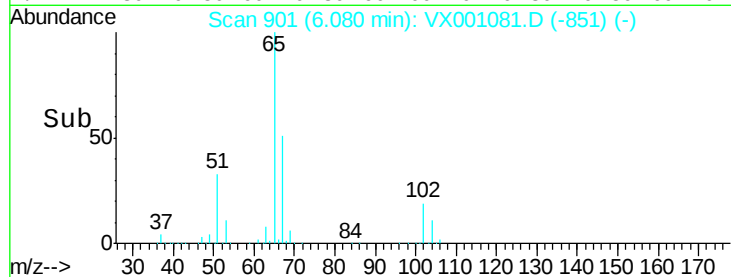
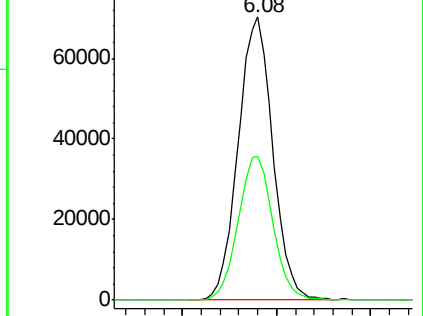
65 100

67 51.0 0.0 102.6



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# 1031

Delta R.T. 0.01 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

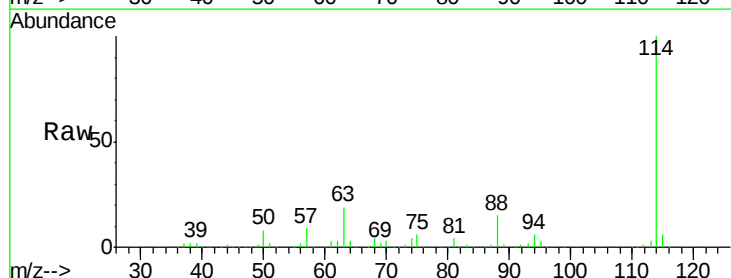
Tgt Ion: 114 Resp: 352601

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

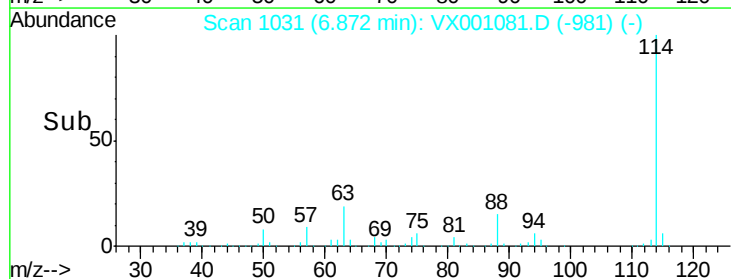
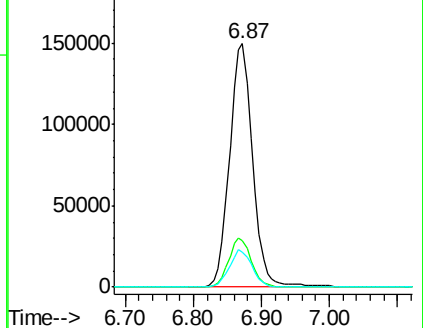
88 14.6 0.0 29.8

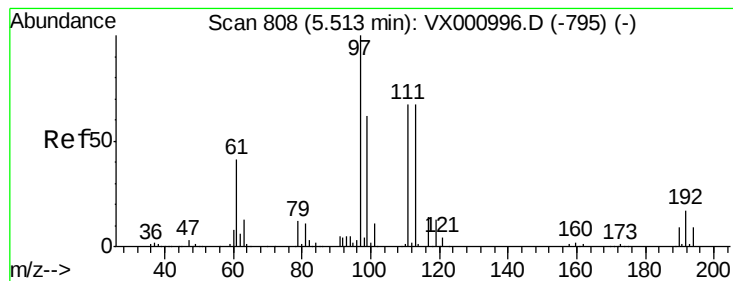


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.20 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

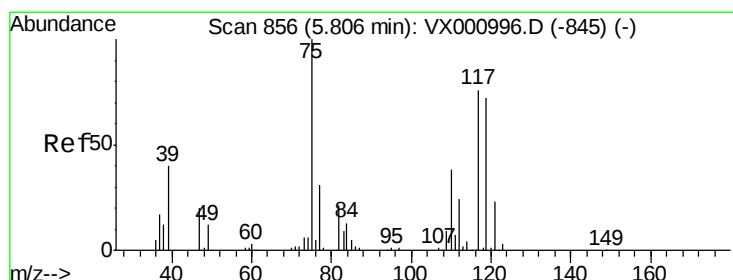
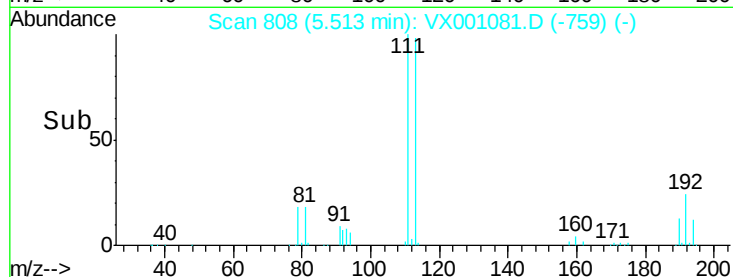
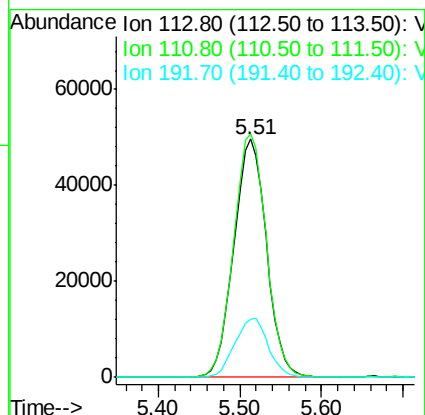
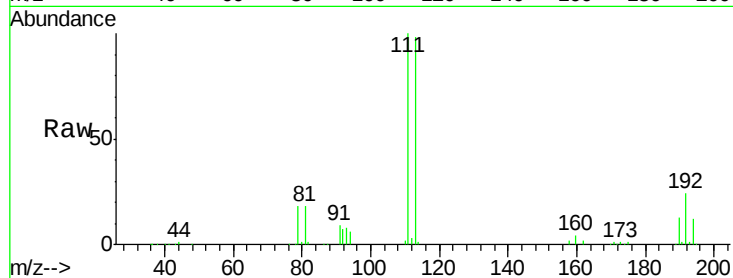
Tgt Ion:113 Resp: 137674

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

192 25.3 20.4 30.6



#36

1,1-Dichloropropene

Concen: 3.83 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

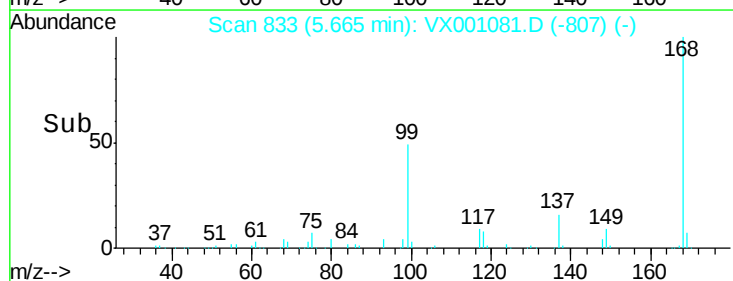
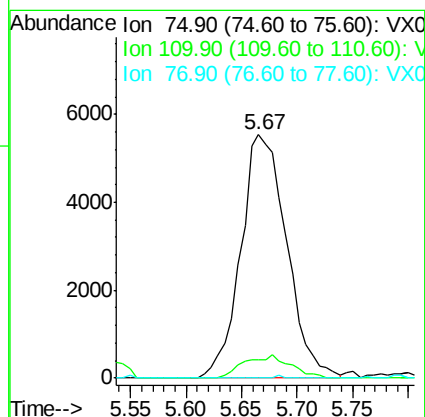
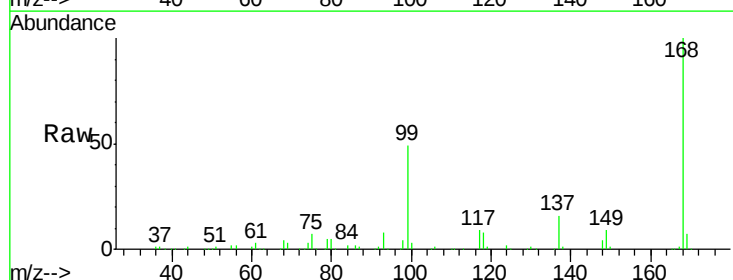
Tgt Ion: 75 Resp: 15856

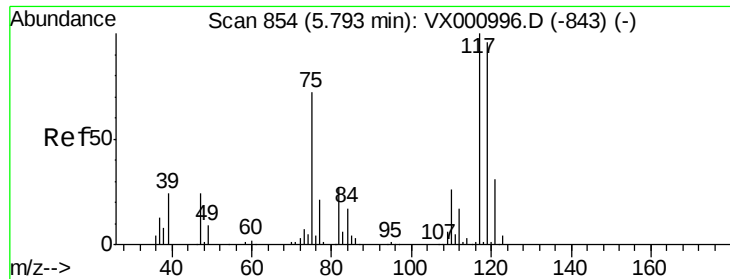
Ion Ratio Lower Upper

75 100

110 9.6 18.7 56.1#

77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.34 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

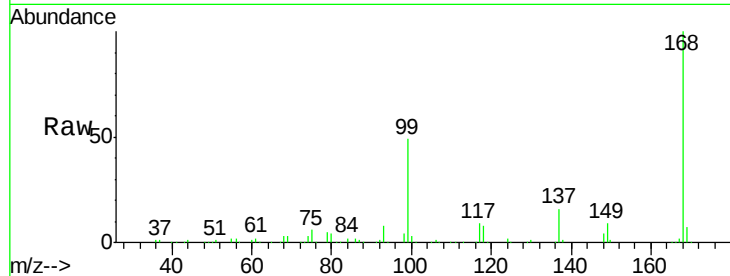
Tgt Ion:117 Resp: 22399

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

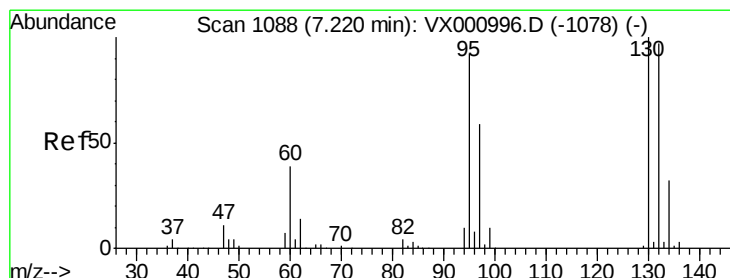
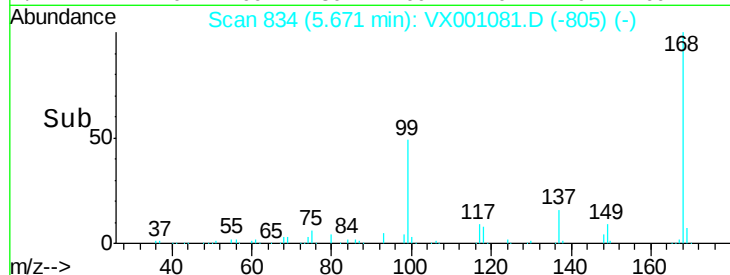
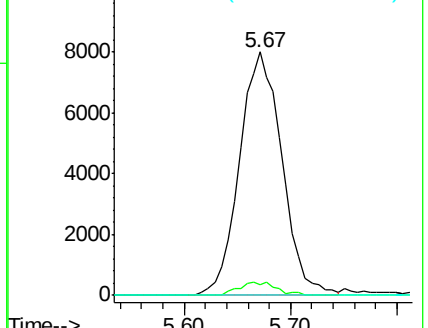
121 0.0 24.5 36.7#



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: 1.66 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001081.D

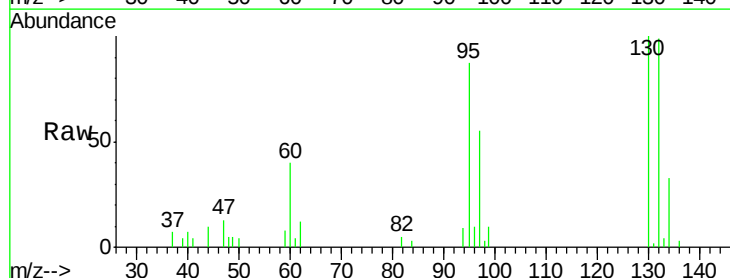
Acq: 24 Apr 2018 17:12

Tgt Ion:130 Resp: 5847

Ion Ratio Lower Upper

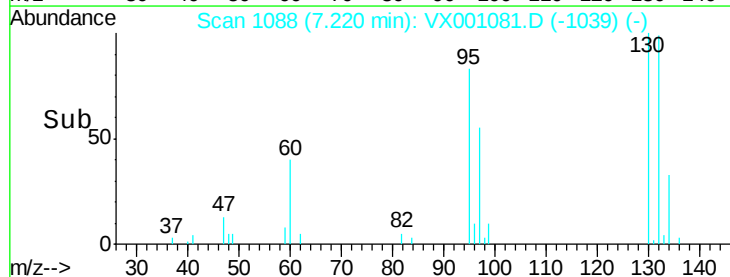
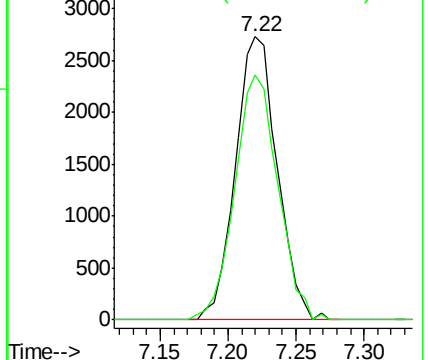
130 100

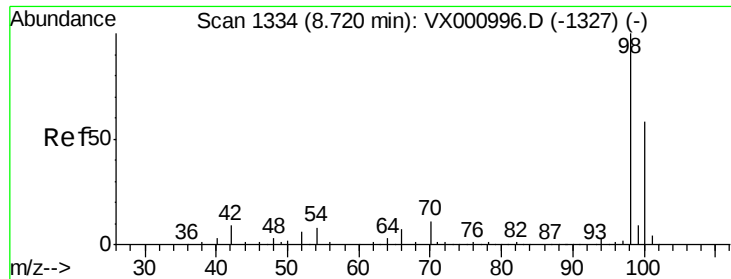
95 86.6 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 53.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

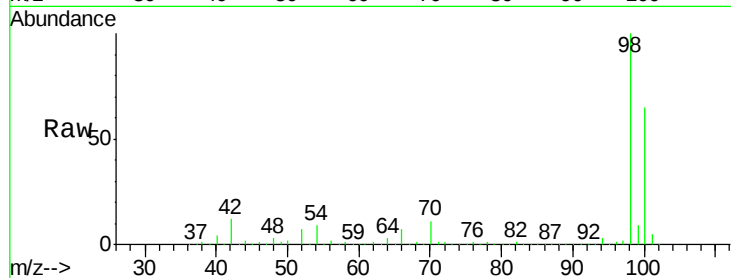
LF014RW131-180412

Tgt Ion: 98 Resp: 529239

Ion Ratio Lower Upper

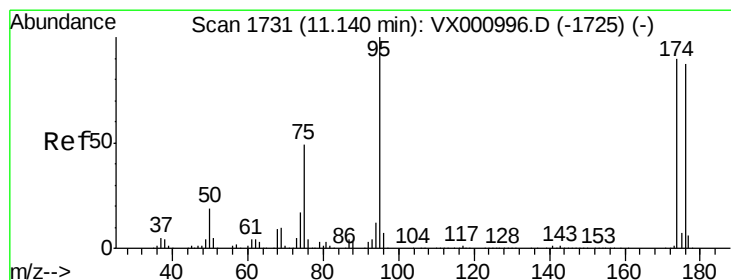
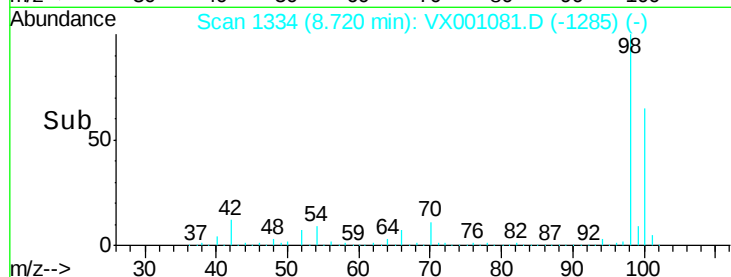
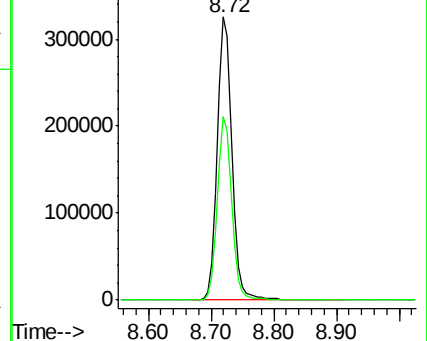
98 100

100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

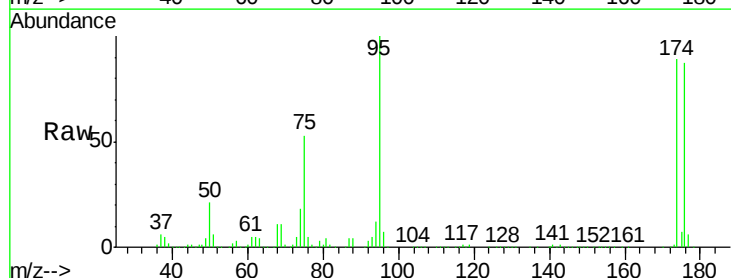
Tgt Ion: 95 Resp: 176701

Ion Ratio Lower Upper

95 100

174 97.5 0.0 198.4

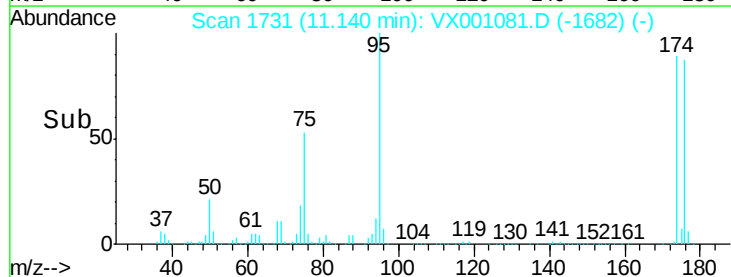
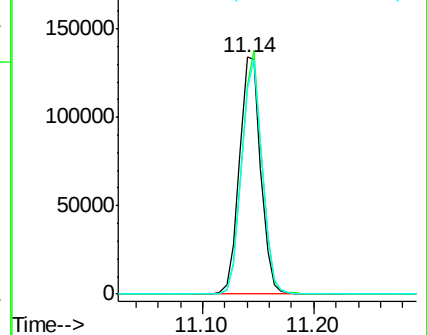
176 95.3 0.0 192.0

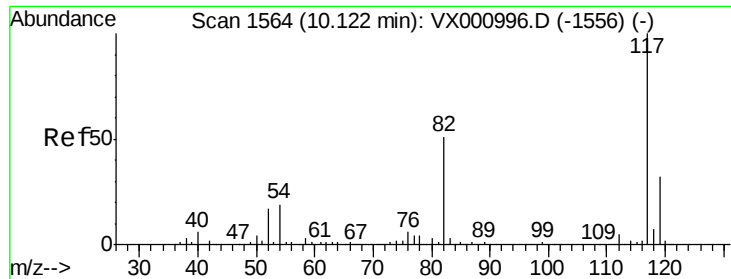


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

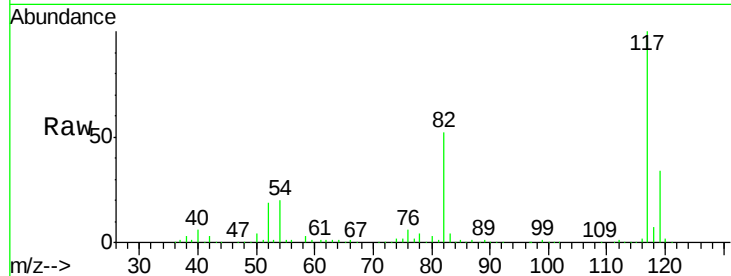




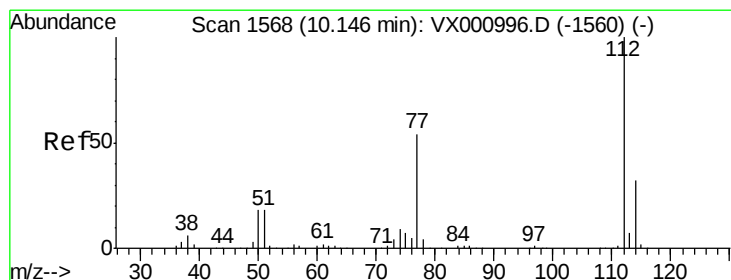
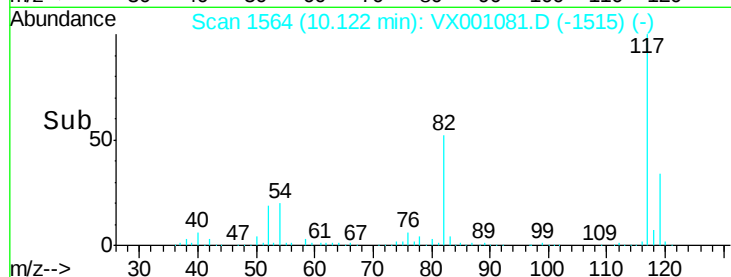
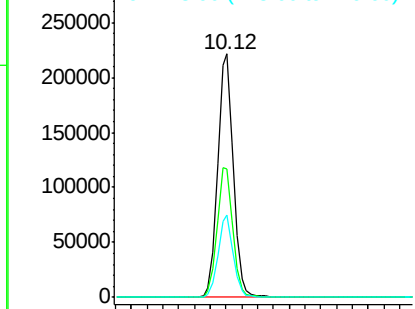
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001081.D
Acq: 24 Apr 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-180412

Tgt Ion:117 Resp: 306433
Ion Ratio Lower Upper
117 100
82 52.5 40.6 60.8
119 33.6 26.0 39.0

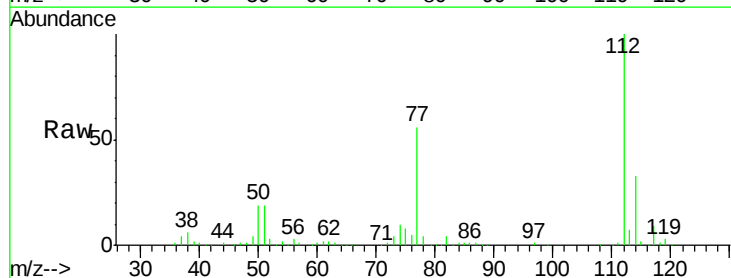


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

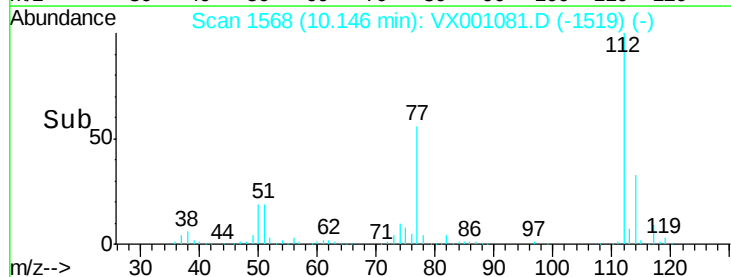
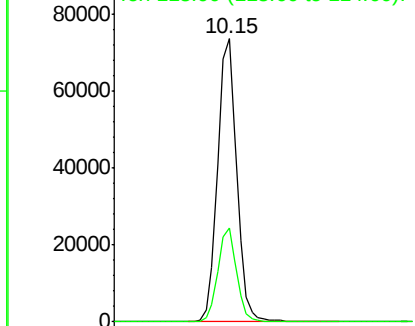


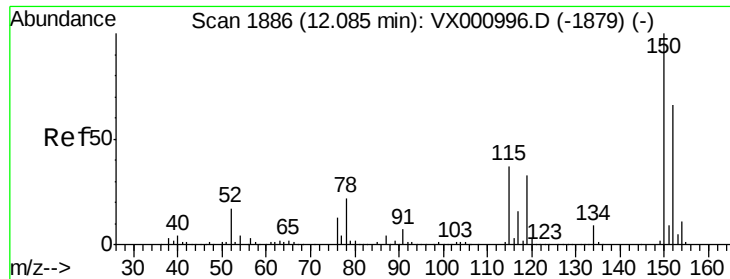
#65
Chlorobenzene
Concen: 12.75 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001081.D
Acq: 24 Apr 2018 17:12

Tgt Ion:112 Resp: 104074
Ion Ratio Lower Upper
112 100
114 33.0 25.5 38.3



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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001081.D

Acq: 24 Apr 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

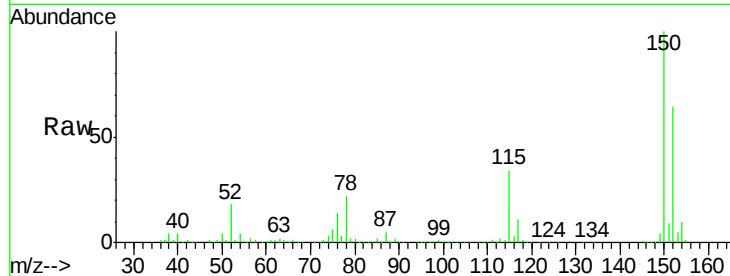
Tgt Ion:152 Resp: 163564

Ion Ratio Lower Upper

152 100

115 53.5 38.2 114.6

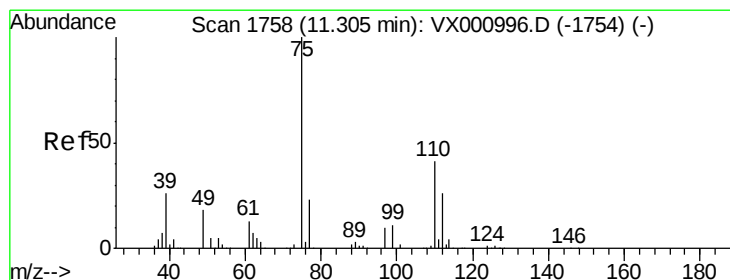
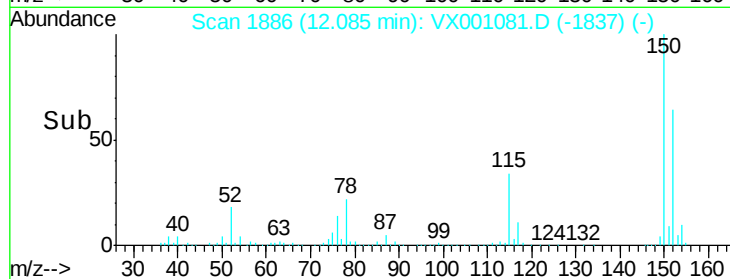
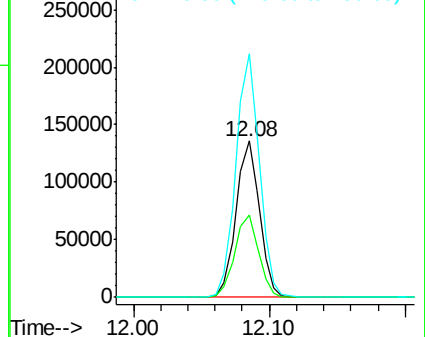
150 155.5 0.0 350.4



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



#76

1,2,3-Trichloropropane

Concen: 31.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001081.D

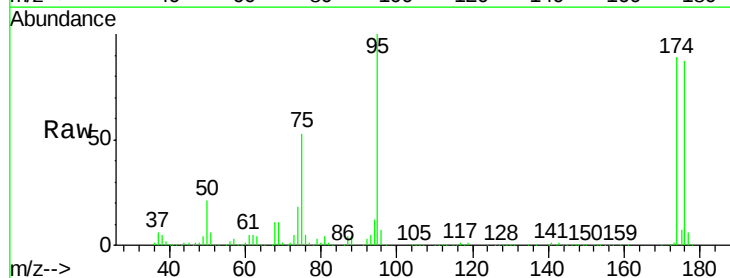
Acq: 24 Apr 2018 17:12

Tgt Ion: 75 Resp: 90147

Ion Ratio Lower Upper

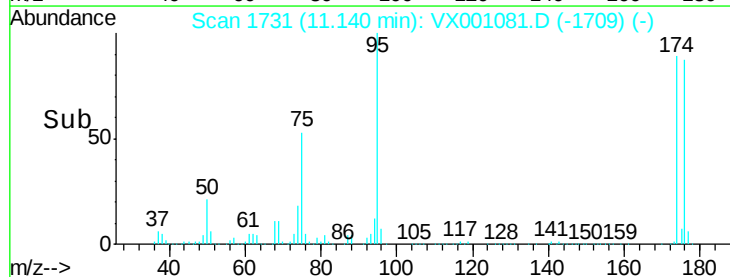
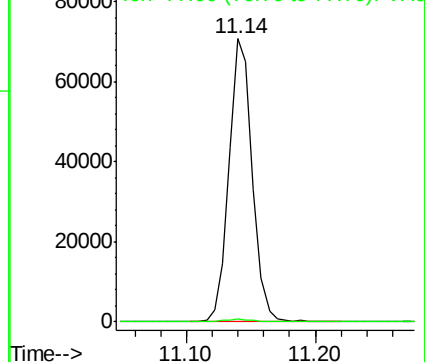
75 100

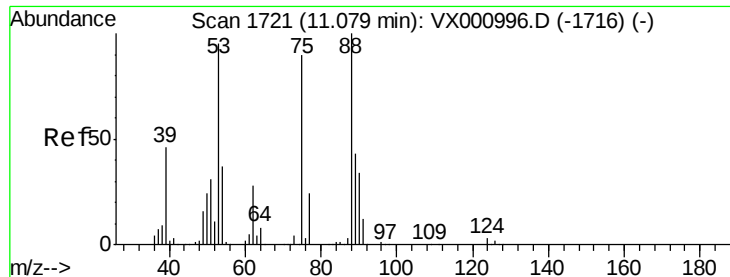
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

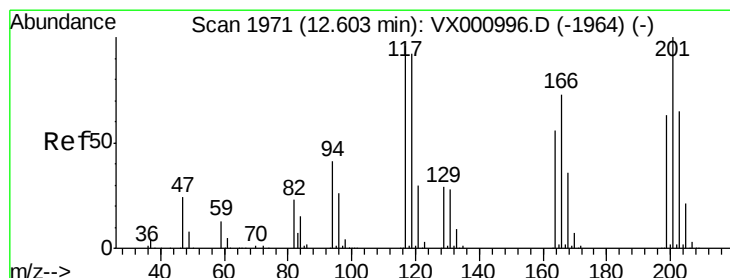
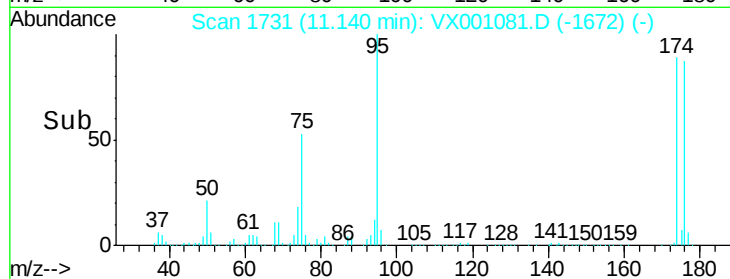
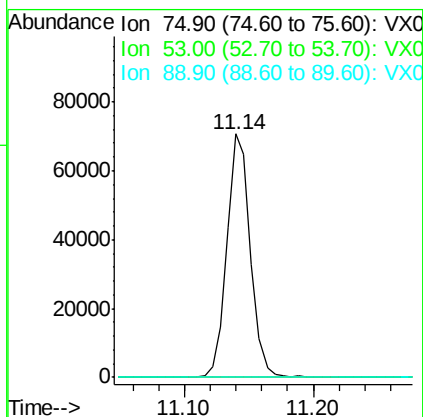
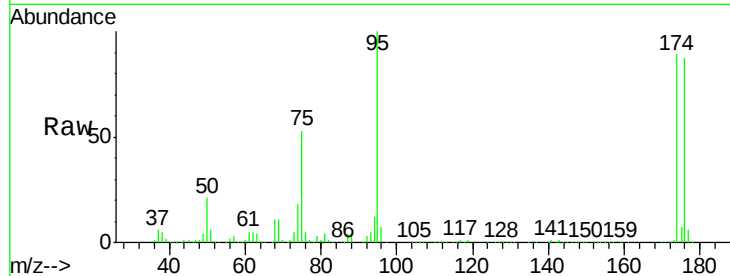




#81
trans-1,4-Dichloro-2-butene
Concen: 94.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001081.D
Acq: 24 Apr 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-180412

Tgt Ion: 75 Resp: 90147
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 39.7 59.5#



#90
Hexachloroethane
Concen: 0.26 ug/l
RT: 12.76 min Scan# 1997
Delta R.T. 0.16 min
Lab File: VX001081.D
Acq: 24 Apr 2018 17:12

Tgt Ion: 117 Resp: 372
Ion Ratio Lower Upper
117 100
201 0.0 52.3 157.1#

