

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001057.D
 Acq On : 23 Apr 2018 14:37
 Operator : JC/MD
 Sample : J2377-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW131-180412

Quant Time: Apr 24 07:01:40 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	223529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186084	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	146172	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	5.51	113	112767	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.72	98	441393	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.14	95	166224	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	

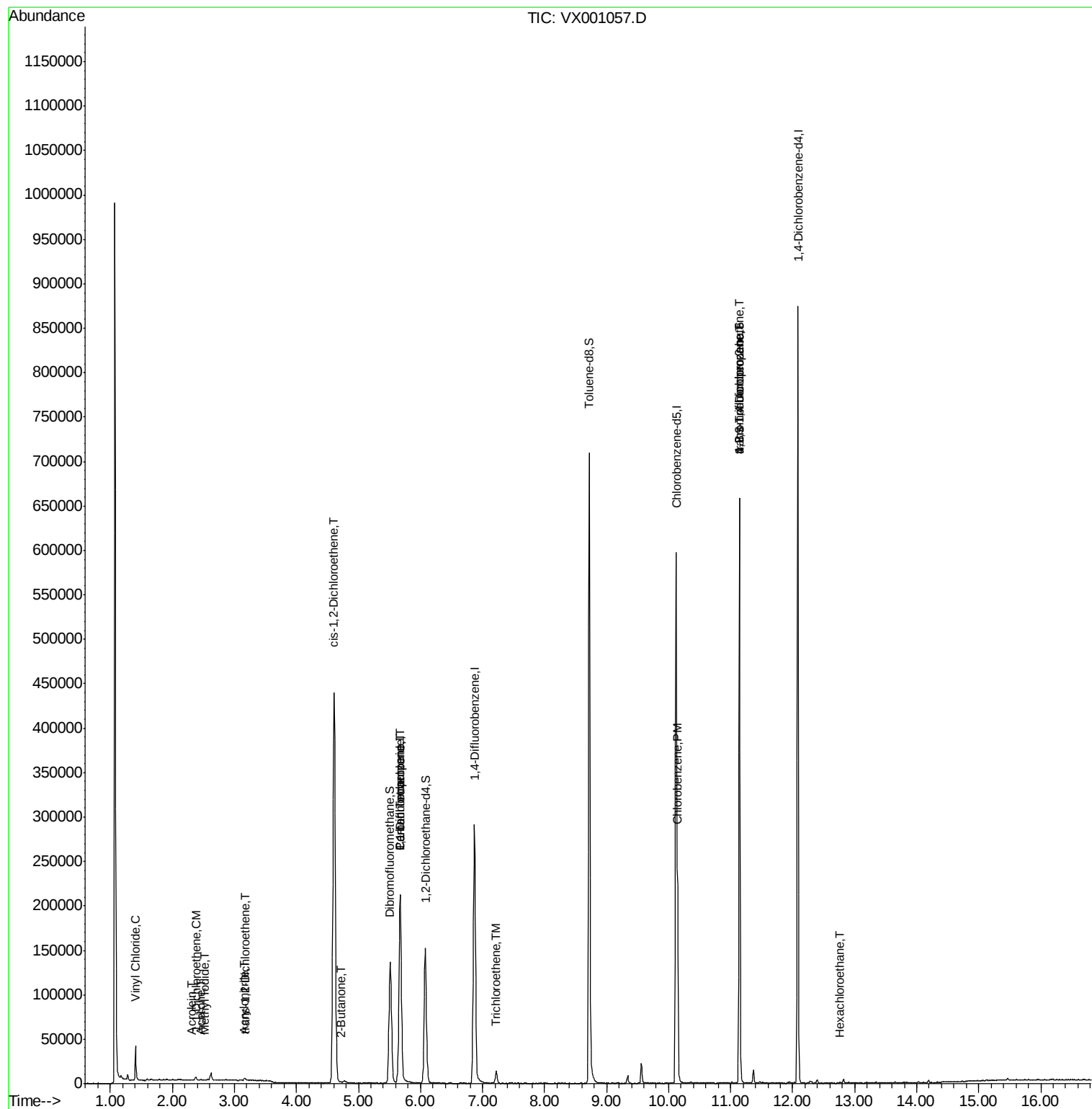
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	25564	9.55	ug/l	99
5) Bromomethane	1.66	94	431	Below	Cal	92
10) Methyl Iodide	2.53	142	393	7.74	ug/l #	83
12) 1,1-Dichloroethene	2.38	96	1263	0.58	ug/l	98
13) Acrolein	2.31	56	76	11.48	ug/l #	14
15) Acrylonitrile	3.15	53	241	0.21	ug/l #	60
16) Acetone	2.46	43	798	0.75	ug/l	97
20) Methylene Chloride	2.85	84	315	Below	Cal #	71
21) trans-1,2-Dichloroethene	3.17	96	895	0.37	ug/l #	74
25) 2-Butanone	4.73	43	359	0.22	ug/l #	50
27) cis-1,2-Dichloroethene	4.61	96	285004	105.53	ug/l	89
36) 1,1-Dichloropropene	5.68	75	14310	3.88	ug/l #	49
38) Carbon Tetrachloride	5.68	117	19223	5.14	ug/l #	17
44) Trichloroethene	7.22	130	5025	1.60	ug/l	92
65) Chlorobenzene	10.15	112	92988	12.13	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	85097	26.36	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	85097	78.88	ug/l #	8
90) Hexachloroethane	12.76	117	434	0.27	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: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

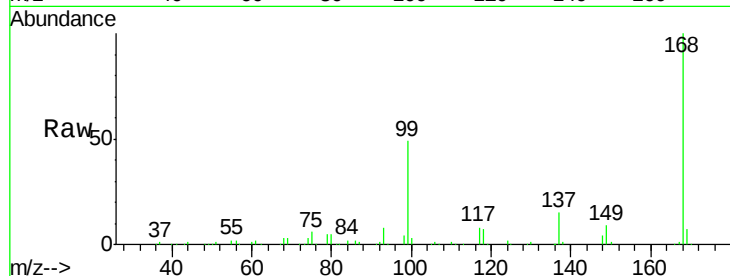
LF014RW131-180412

Tgt Ion:168 Resp: 223529

Ion Ratio Lower Upper

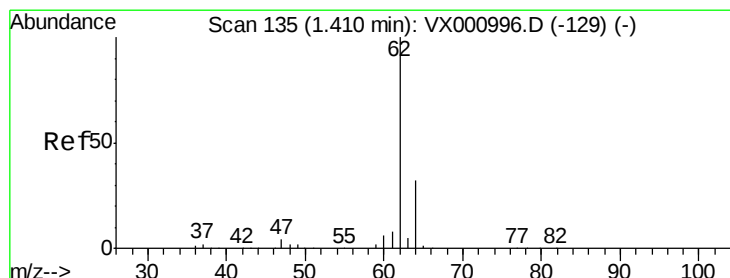
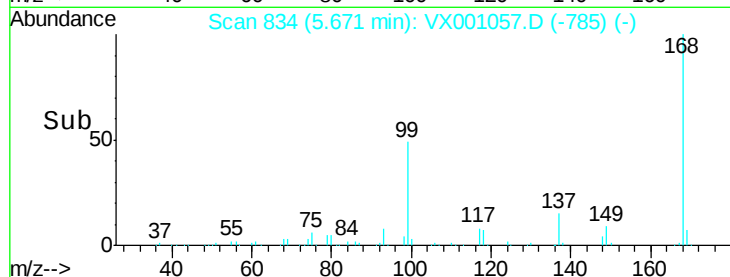
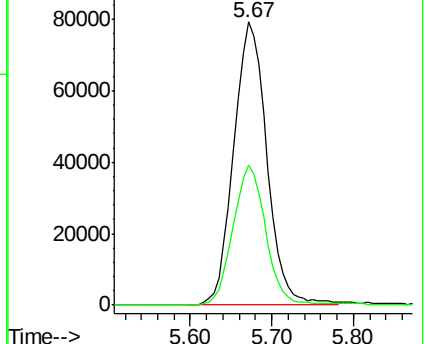
168 100

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



#4

Vinyl Chloride

Concen: 9.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001057.D

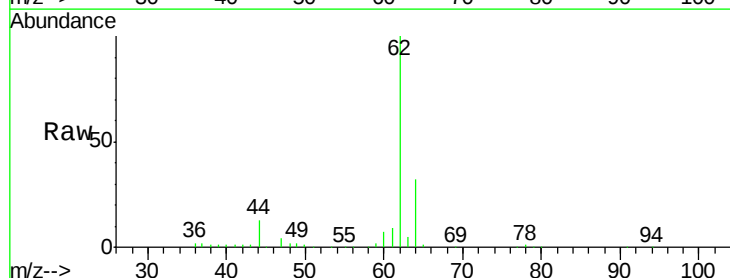
Acq: 23 Apr 2018 14:37

Tgt Ion: 62 Resp: 25564

Ion Ratio Lower Upper

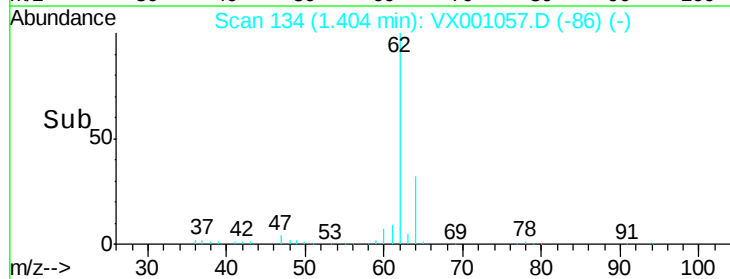
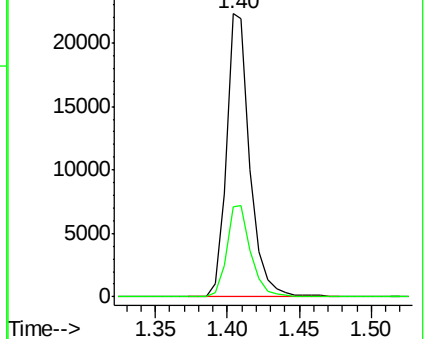
62 100

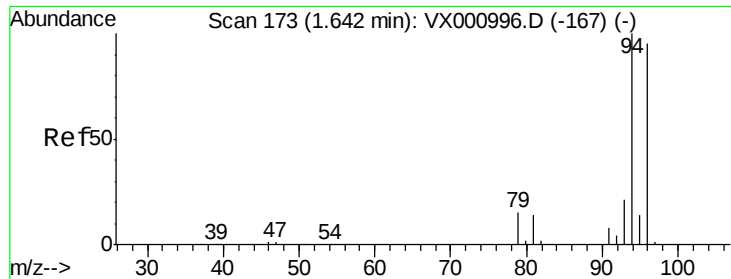
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

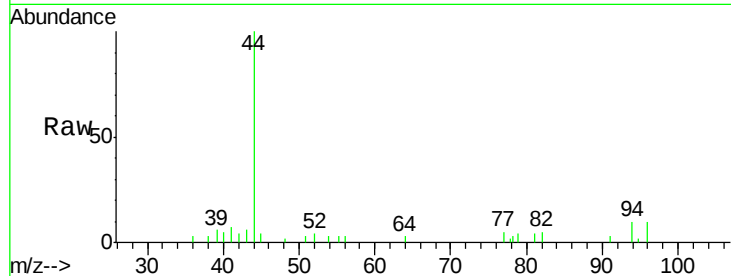
LF014RW131-180412

Tgt Ion: 94 Resp: 431

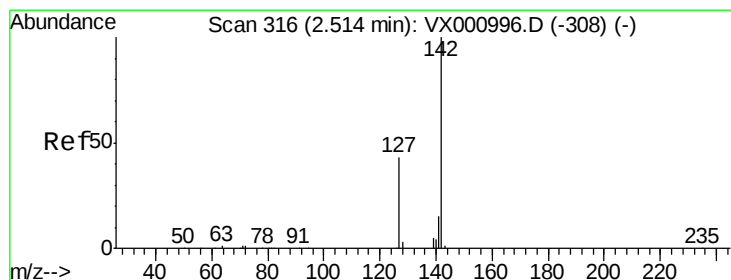
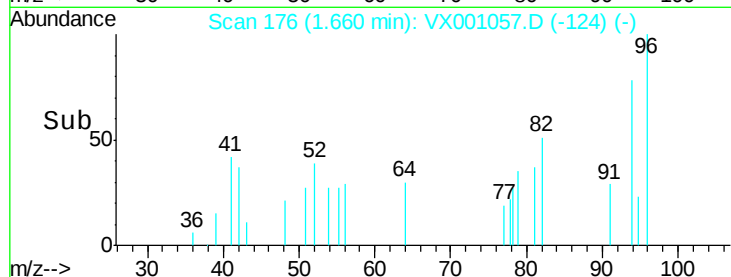
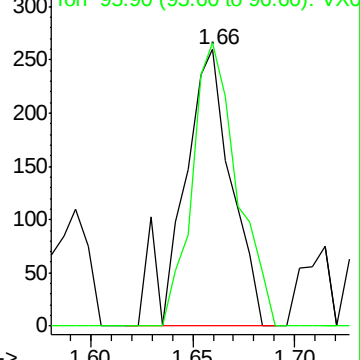
Ion Ratio Lower Upper

94 100

96 102.3 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX000996.D (-167) (-)



#10

Methyl Iodide

Concen: 7.74 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

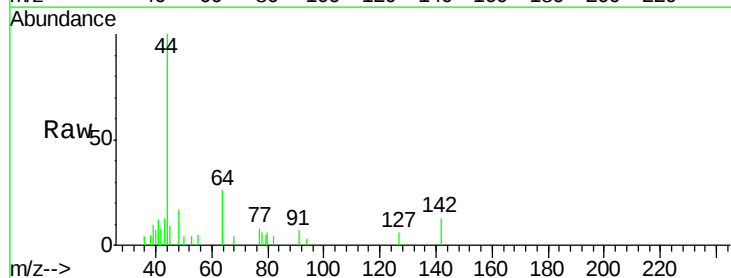
Tgt Ion: 142 Resp: 393

Ion Ratio Lower Upper

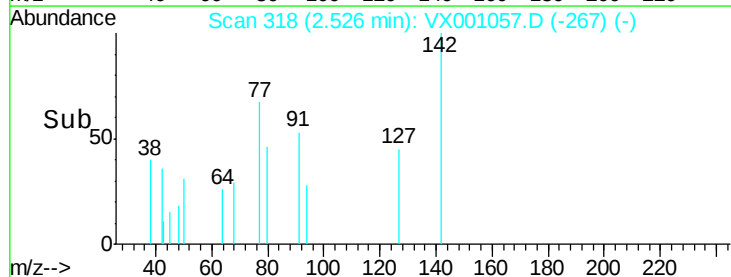
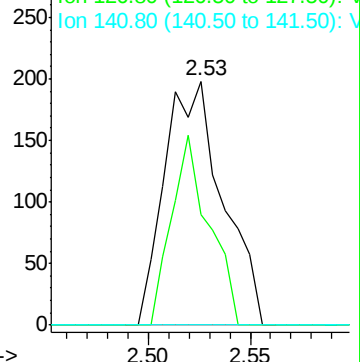
142 100

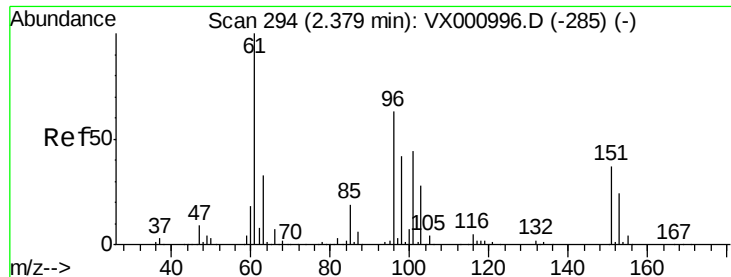
127 49.9 34.0 51.0

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): VX000996.D (-308) (-)





#12

1,1-Dichloroethene

Concen: 0.58 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

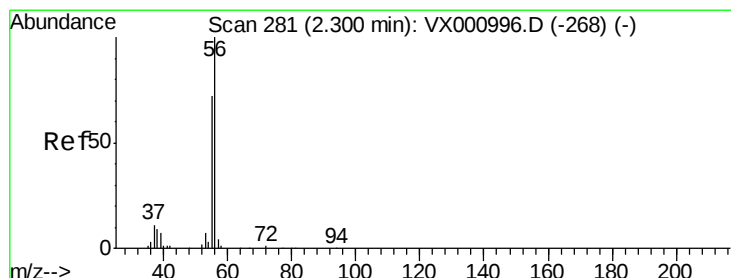
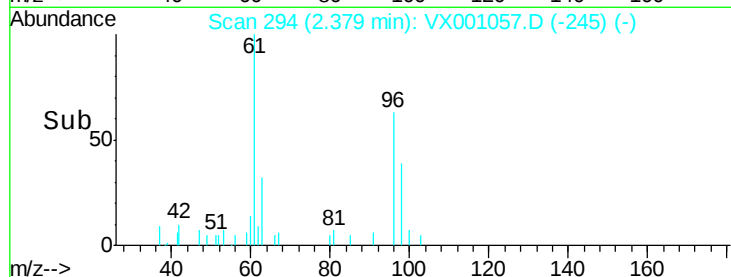
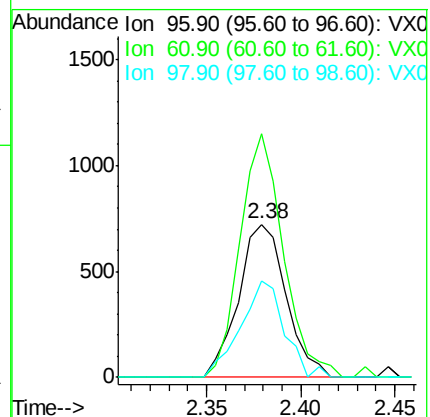
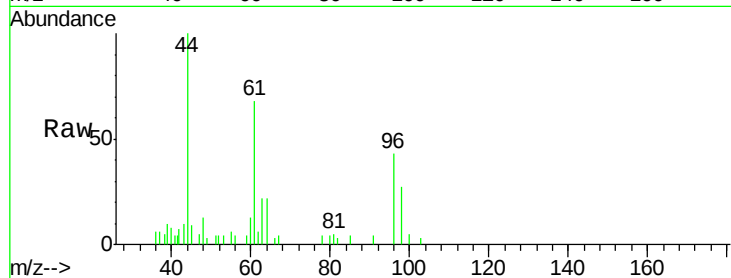
Tgt Ion: 96 Resp: 1263

Ion Ratio Lower Upper

96 100

61 158.9 126.4 189.6

98 62.7 52.6 78.8



#13

Acrolein

Concen: 11.48 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001057.D

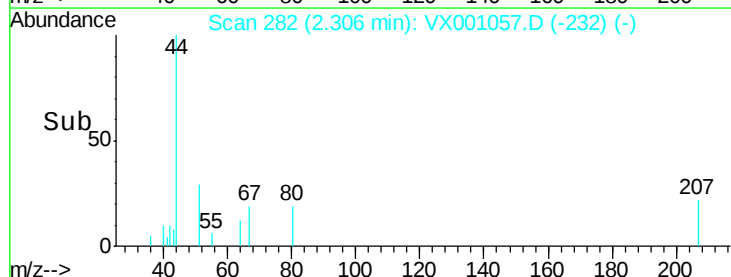
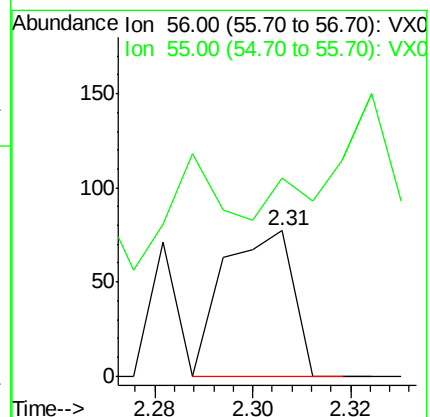
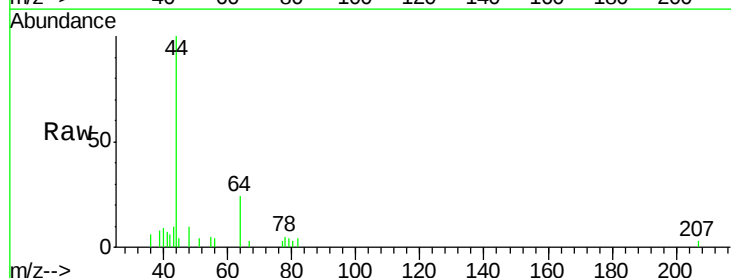
Acq: 23 Apr 2018 14:37

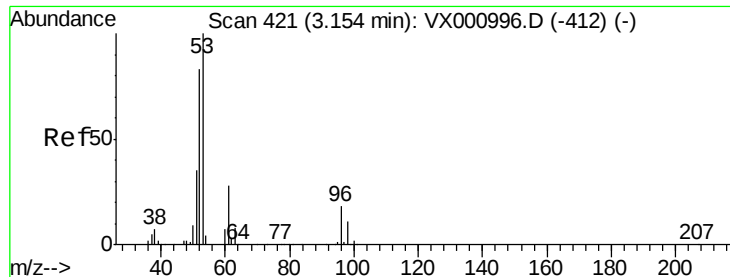
Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

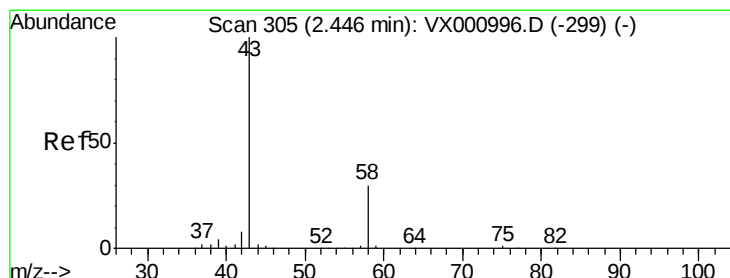
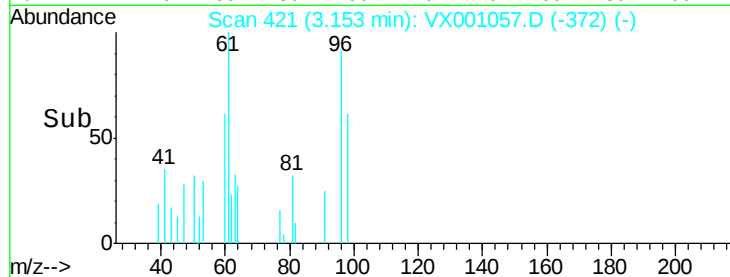
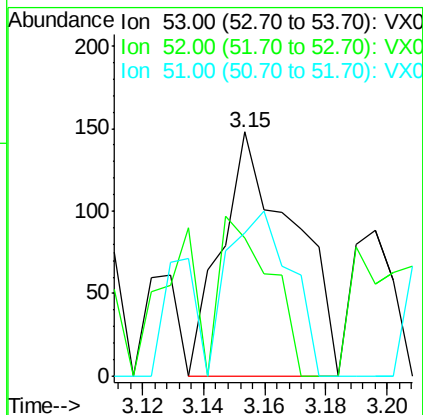
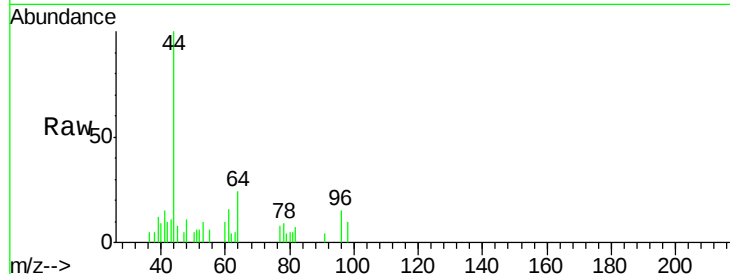
Tgt Ion: 53 Resp: 241

Ion Ratio Lower Upper

53 100

52 46.1 66.4 99.6#

51 59.3 29.0 43.6#



#16

Acetone

Concen: 0.75 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001057.D

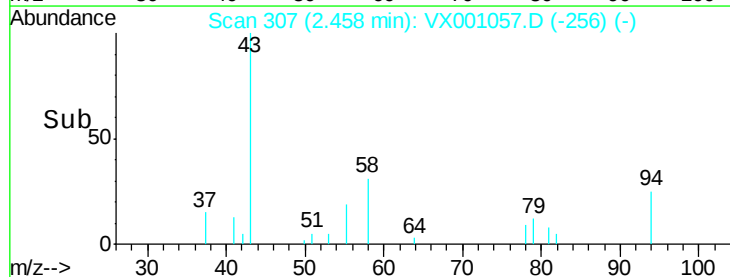
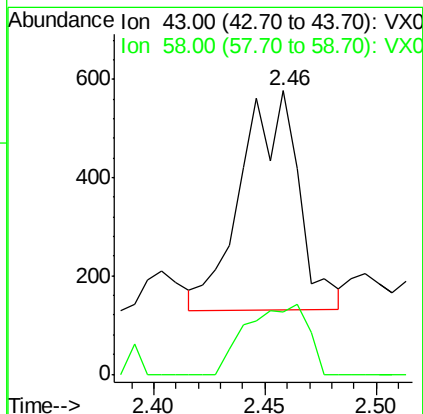
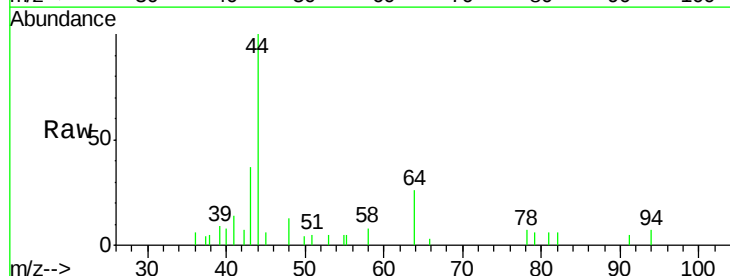
Acq: 23 Apr 2018 14:37

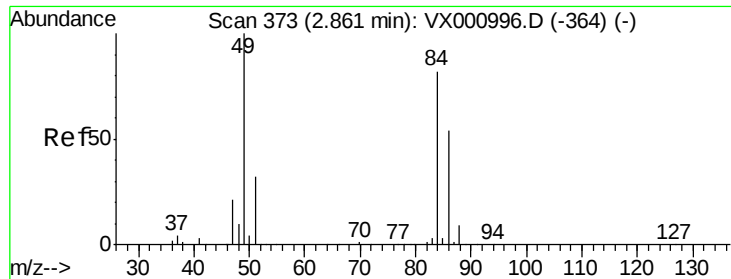
Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

43 100

58 31.4 23.7 35.5

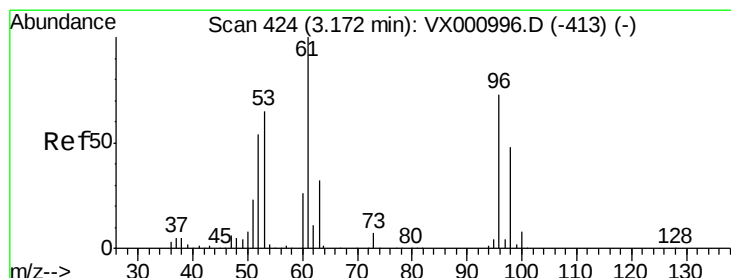
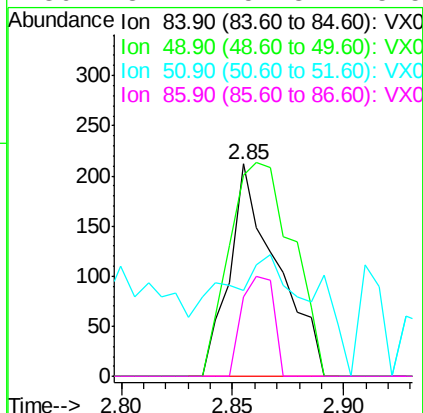
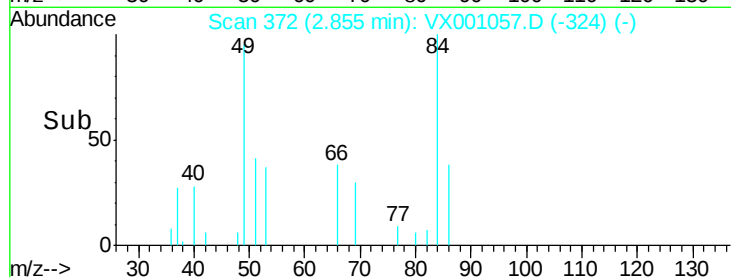
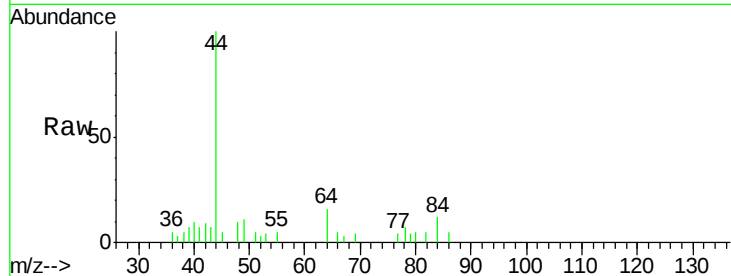




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001057.D
Acq: 23 Apr 2018 14:37

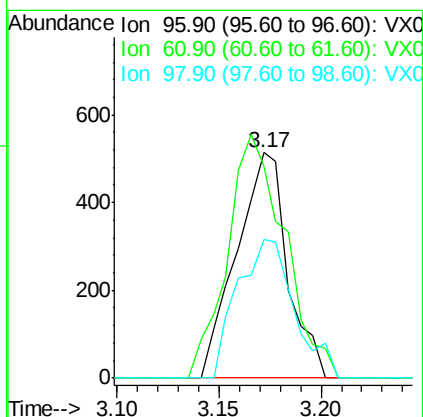
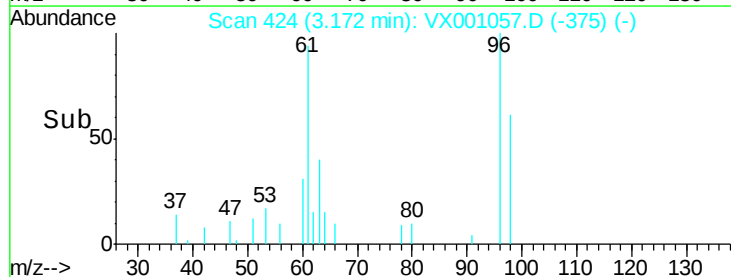
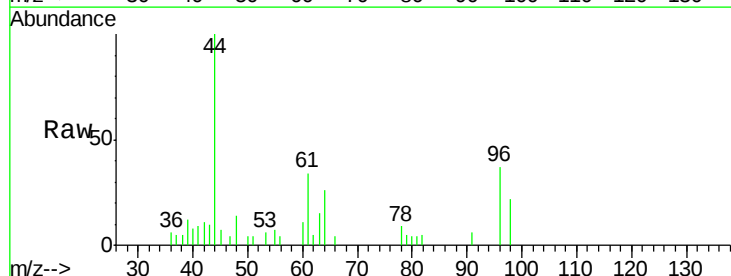
Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-180412

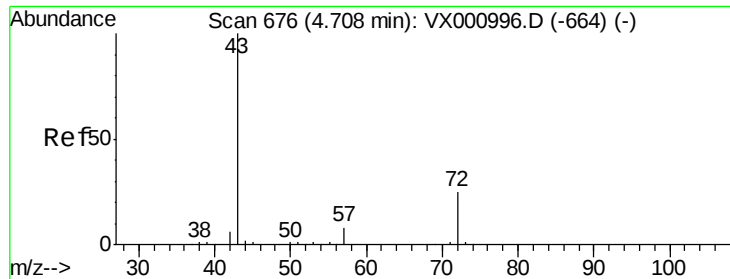
Tgt Ion: 84 Resp: 315
Ion Ratio Lower Upper
84 100
49 94.8 97.1 145.7#
51 16.5 30.8 46.2#
86 37.7 52.3 78.5#



#21
trans-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 3.17 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX001057.D
Acq: 23 Apr 2018 14:37

Tgt Ion: 96 Resp: 895
Ion Ratio Lower Upper
96 100
61 94.0 109.4 164.2#
98 61.5 52.6 78.8





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

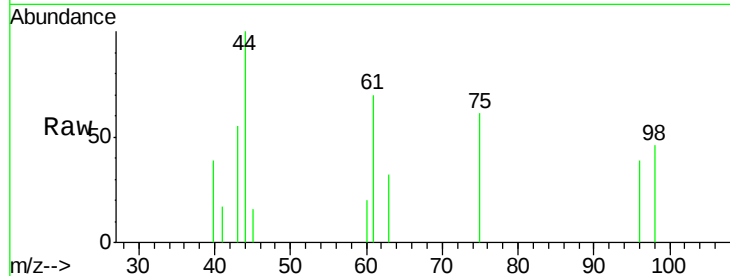
LF014RW131-180412

Tgt Ion: 43 Resp: 359

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.73

150

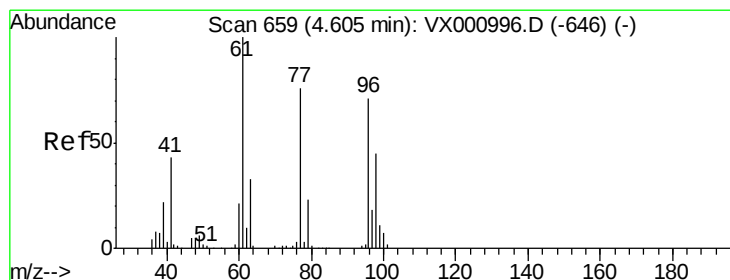
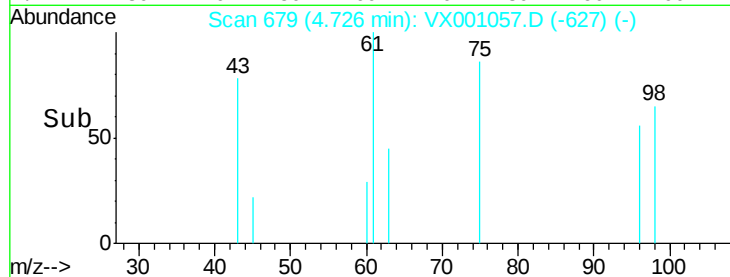
100

50

0

4.68 4.70 4.72 4.74

Time-->



#27

cis-1,2-Dichloroethene

Concen: 105.53 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

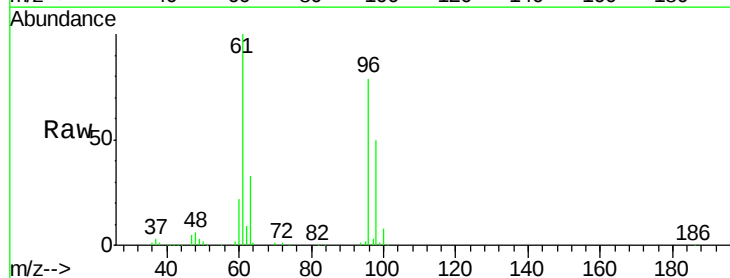
Tgt Ion: 96 Resp: 285004

Ion Ratio Lower Upper

96 100

61 128.8 0.0 297.0

98 64.5 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

150000

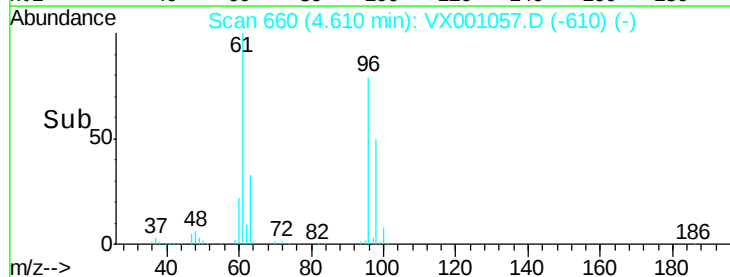
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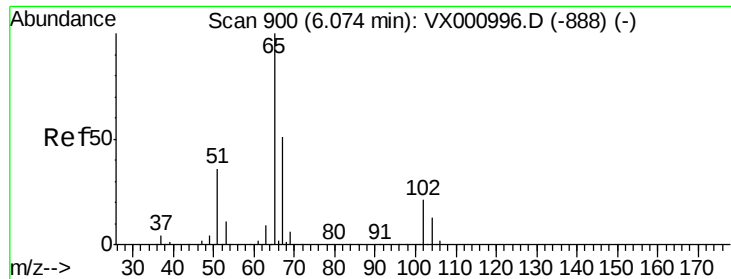
50000

0

4.50 4.60 4.70 4.80

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.59 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

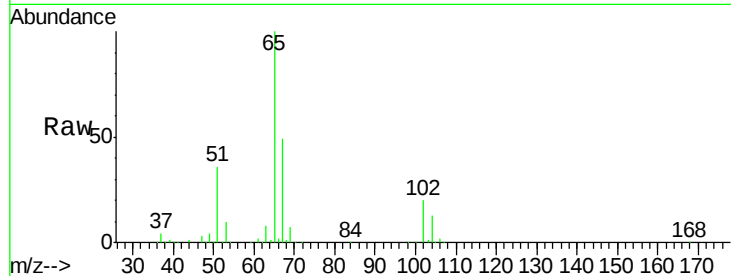
LF014RW131-180412

Tgt Ion: 65 Resp: 146172

Ion Ratio Lower Upper

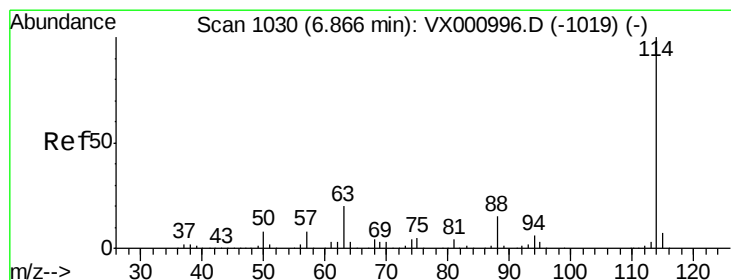
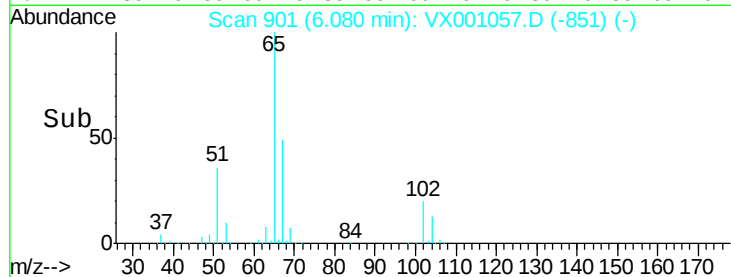
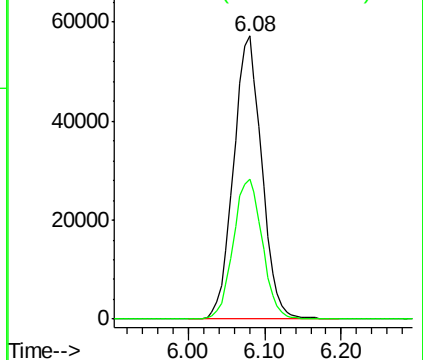
65 100

67 50.8 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: VX001057.D

Acq: 23 Apr 2018 14:37

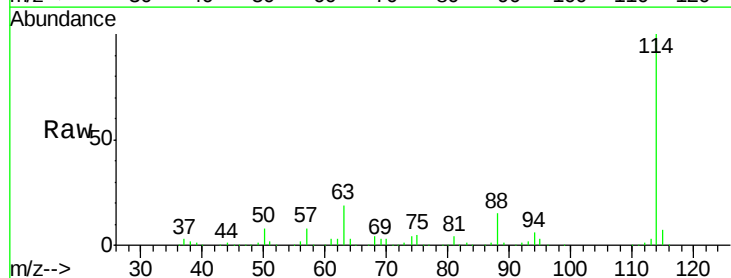
Tgt Ion: 114 Resp: 314206

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

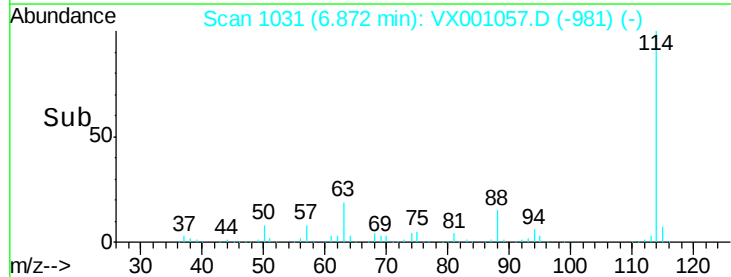
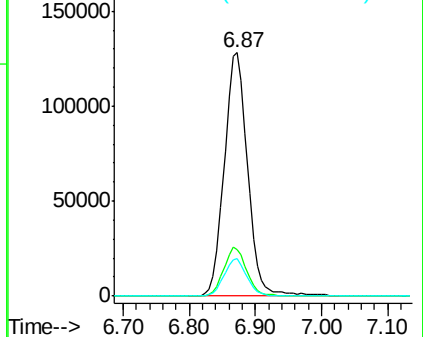
88 15.2 0.0 29.8

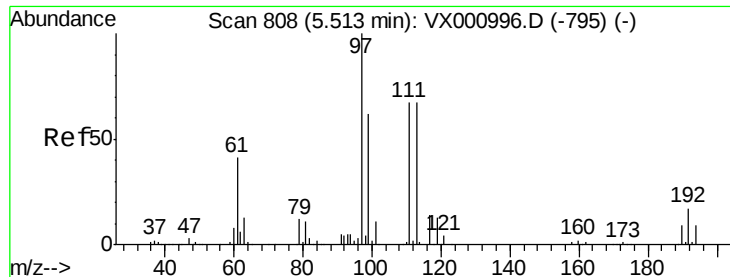


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

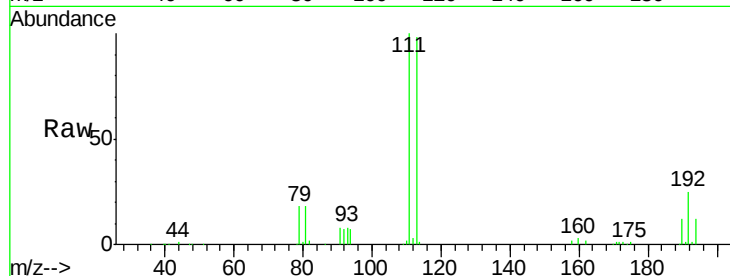
Tgt Ion:113 Resp: 112767

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.2

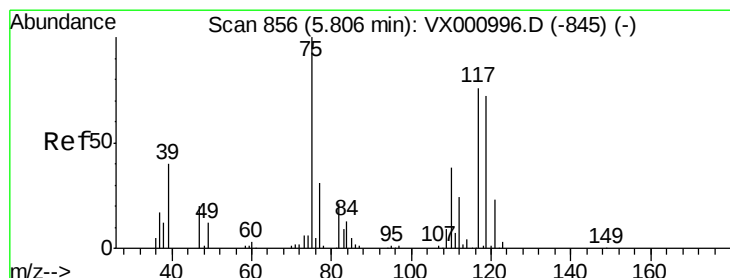
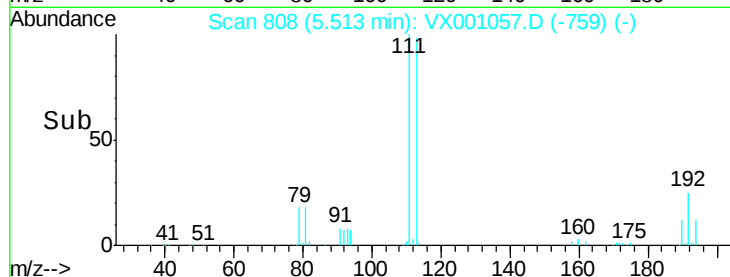
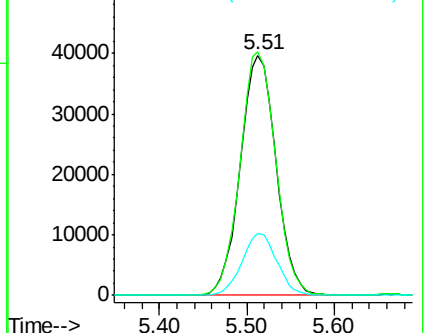
192 25.1 20.4 30.6



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: 3.88 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

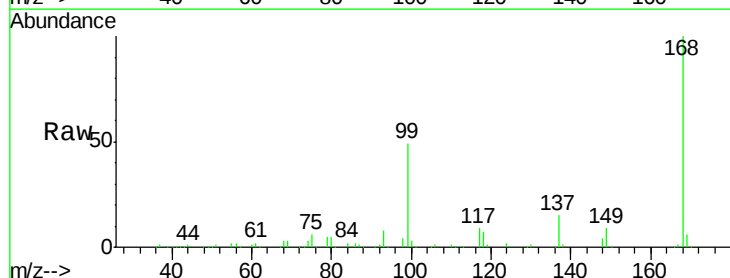
Tgt Ion: 75 Resp: 14310

Ion Ratio Lower Upper

75 100

110 9.5 18.7 56.1#

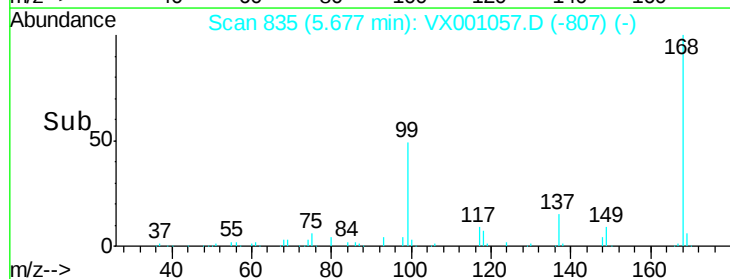
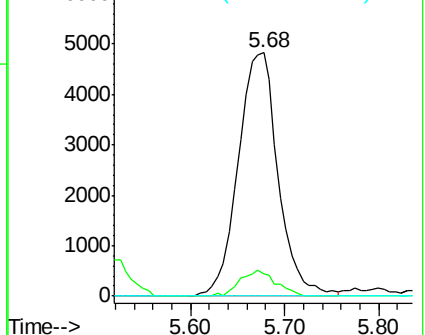
77 0.0 25.0 37.4#

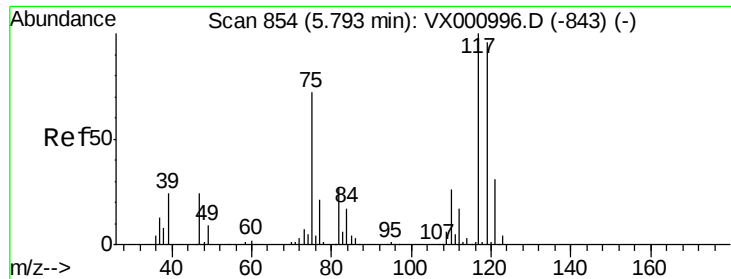


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.14 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

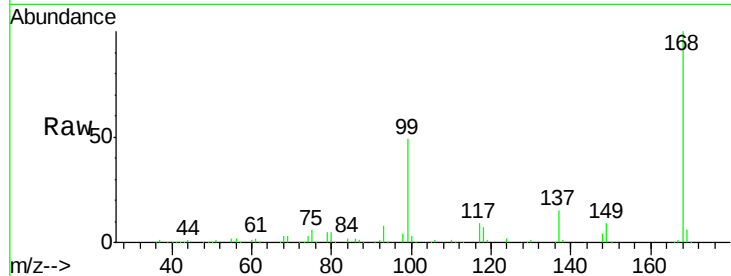
Tgt Ion:117 Resp: 19223

Ion Ratio Lower Upper

117 100

119 6.5 76.5 114.7#

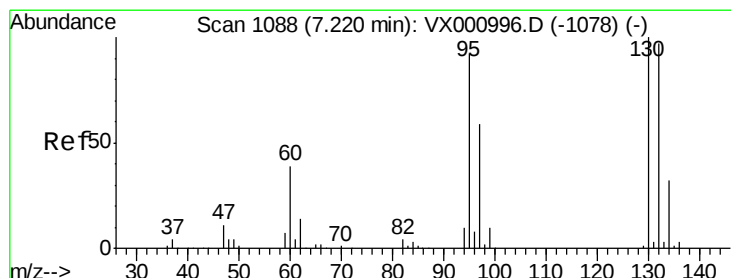
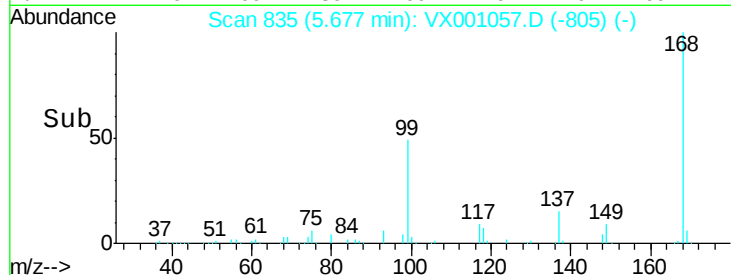
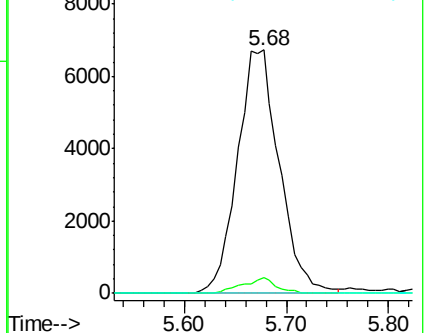
121 0.0 24.5 36.7#



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: 1.60 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001057.D

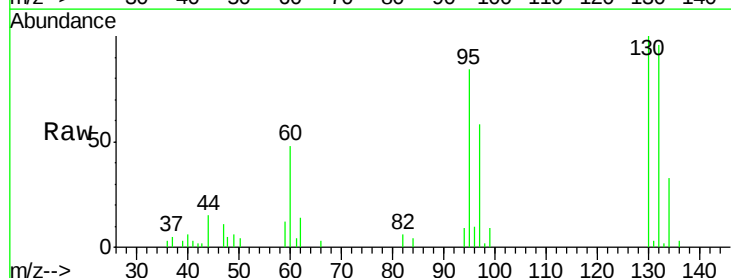
Acq: 23 Apr 2018 14:37

Tgt Ion:130 Resp: 5025

Ion Ratio Lower Upper

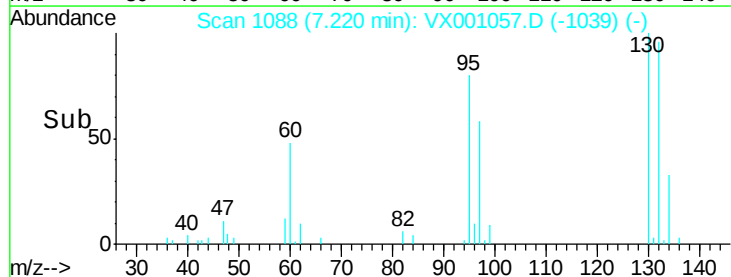
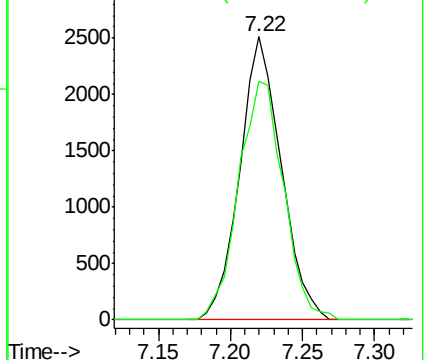
130 100

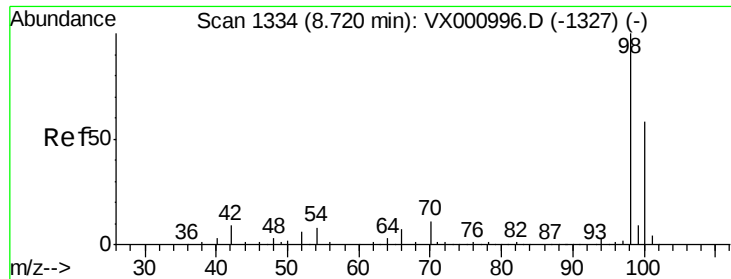
95 84.4 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.82 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

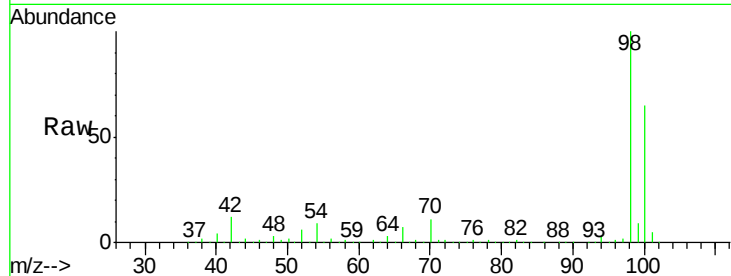
LF014RW131-180412

Tgt Ion: 98 Resp: 441393

Ion Ratio Lower Upper

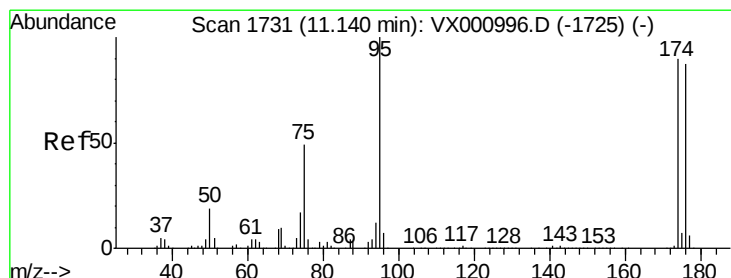
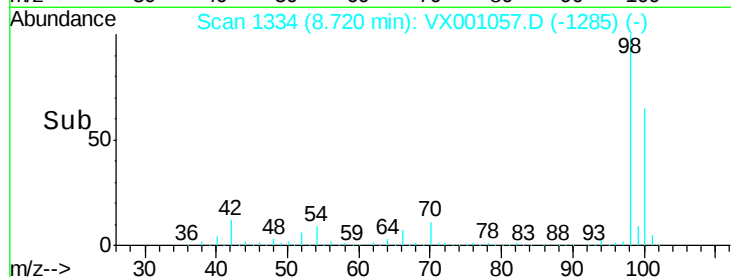
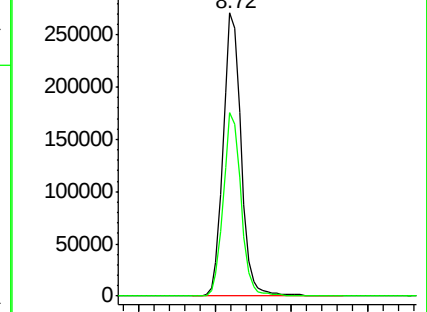
98 100

100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX000996.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX000996.D (-1327) (-)



#62

4-Bromofluorobenzene

Concen: 44.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

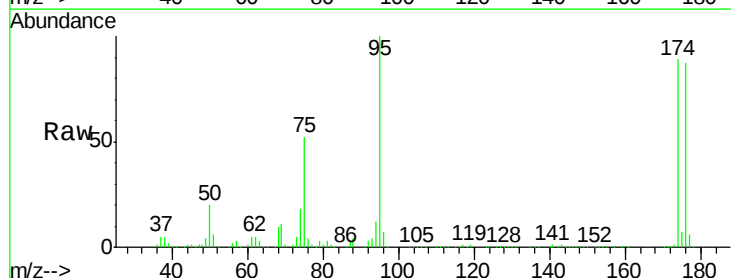
Tgt Ion: 95 Resp: 166224

Ion Ratio Lower Upper

95 100

174 97.5 0.0 198.4

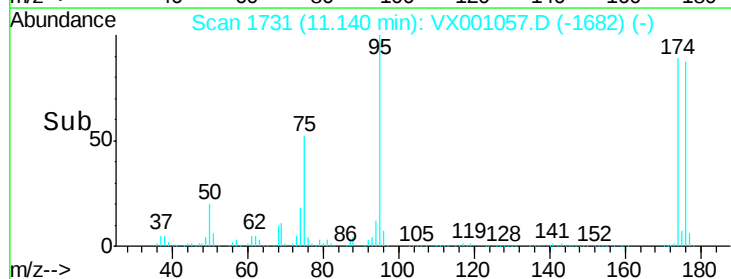
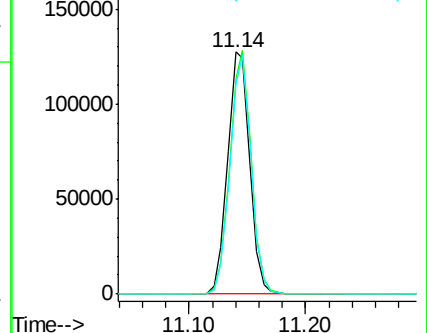
176 94.6 0.0 192.0

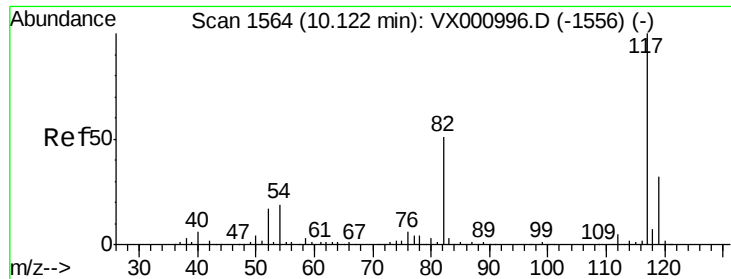


Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)

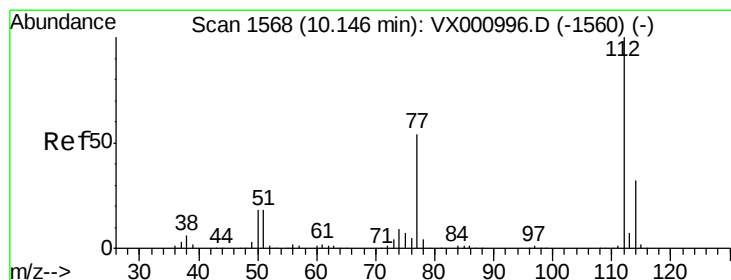
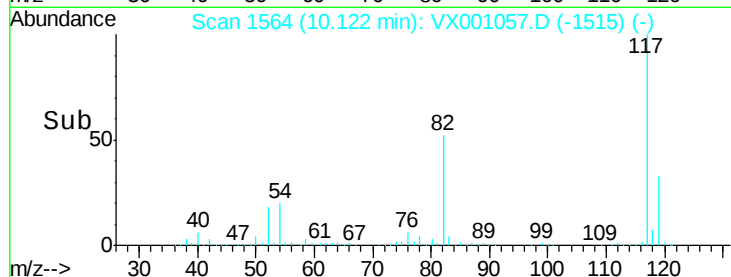
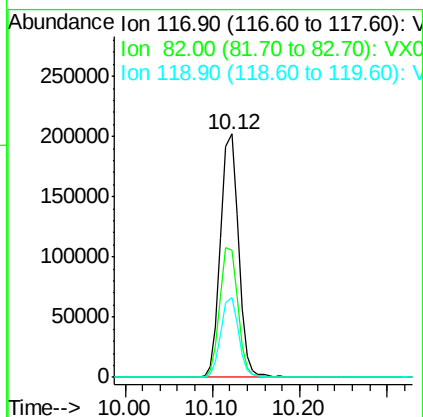
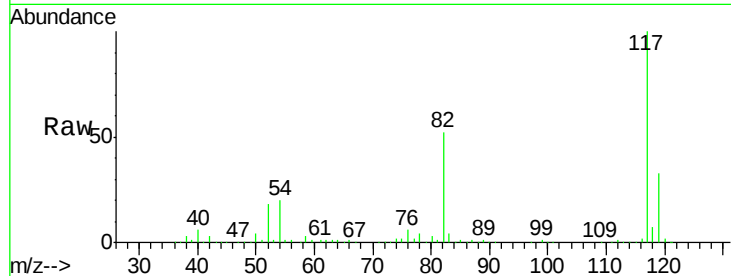




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001057.D
Acq: 23 Apr 2018 14:37

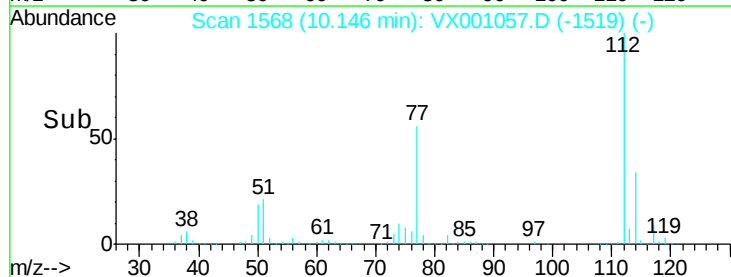
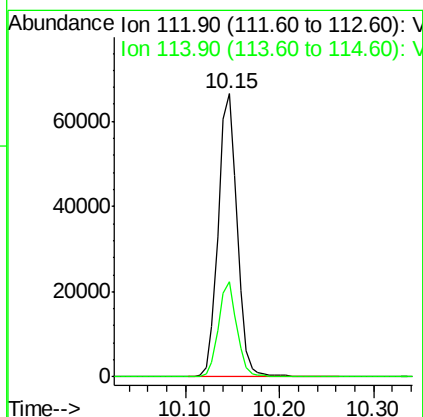
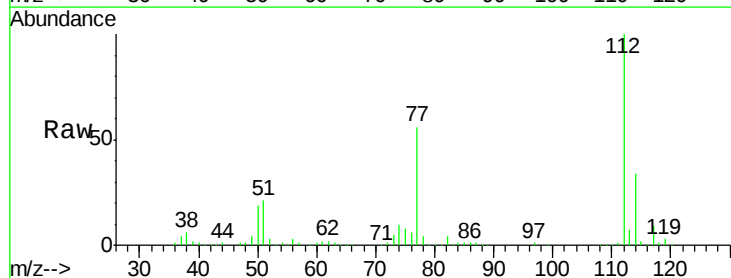
Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-180412

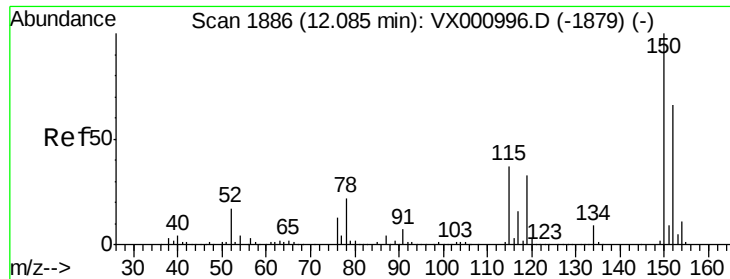
Tgt Ion:117 Resp: 287858
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 32.9 26.0 39.0



#65
Chlorobenzene
Concen: 12.13 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001057.D
Acq: 23 Apr 2018 14:37

Tgt Ion:112 Resp: 92988
Ion Ratio Lower Upper
112 100
114 33.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001057.D

Acq: 23 Apr 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

LF014RW131-180412

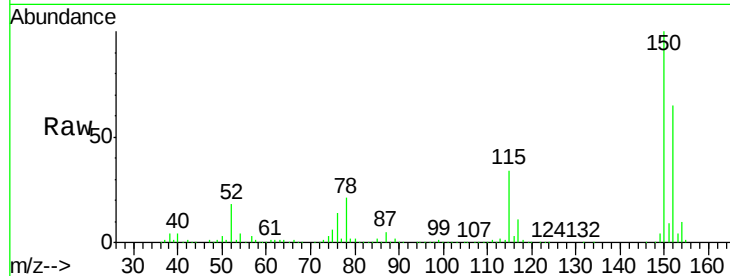
Tgt Ion:152 Resp: 186084

Ion Ratio Lower Upper

152 100

115 53.2 38.2 114.6

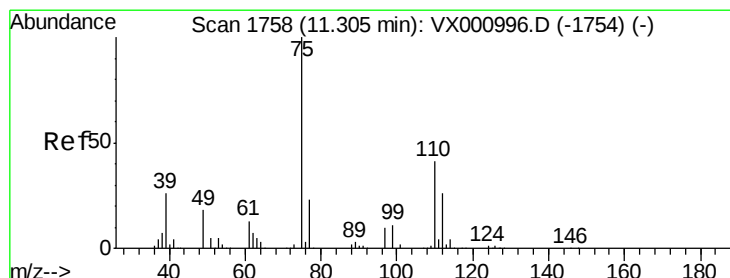
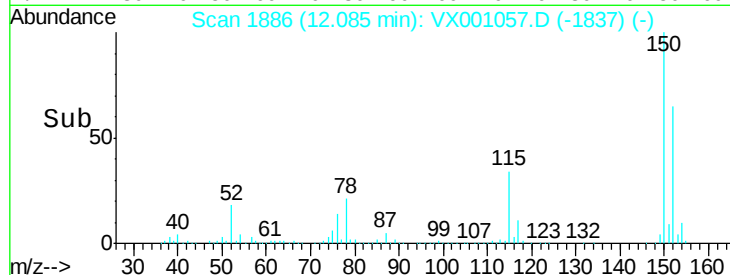
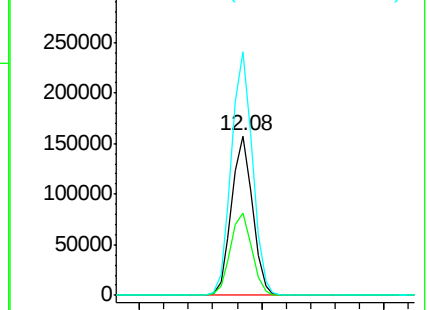
150 153.7 0.0 350.4



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: 26.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001057.D

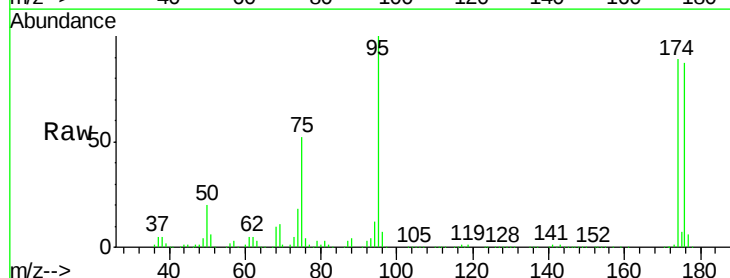
Acq: 23 Apr 2018 14:37

Tgt Ion: 75 Resp: 85097

Ion Ratio Lower Upper

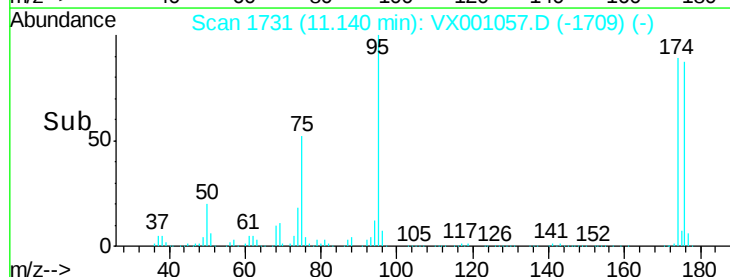
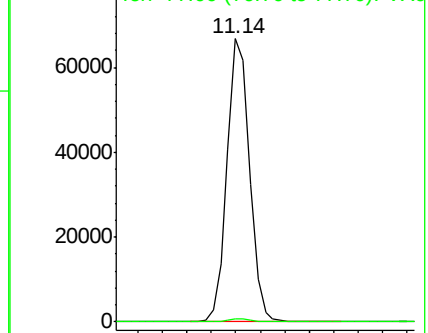
75 100

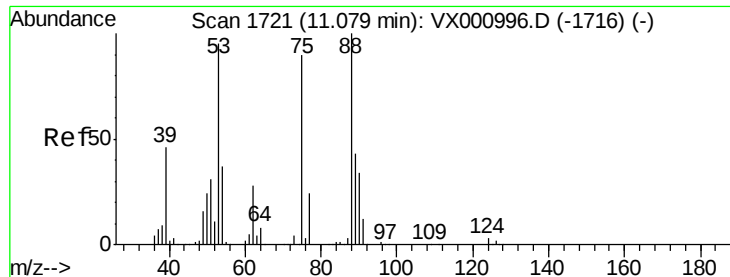
77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

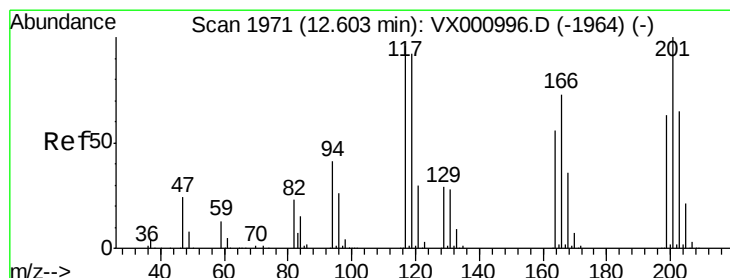
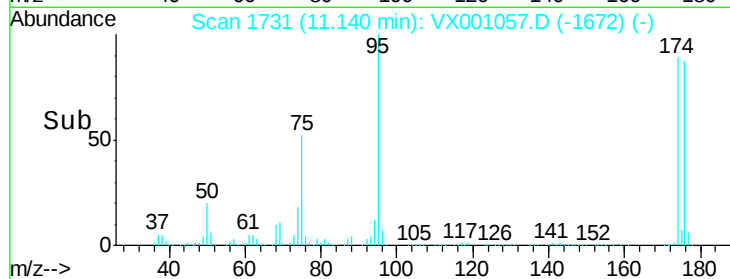
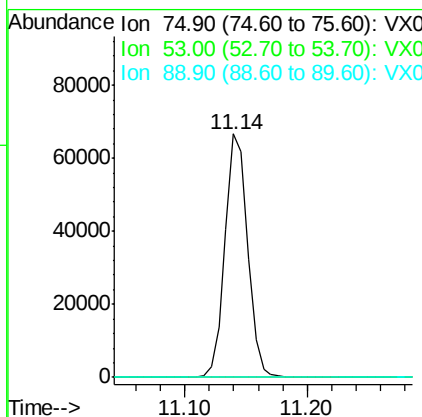
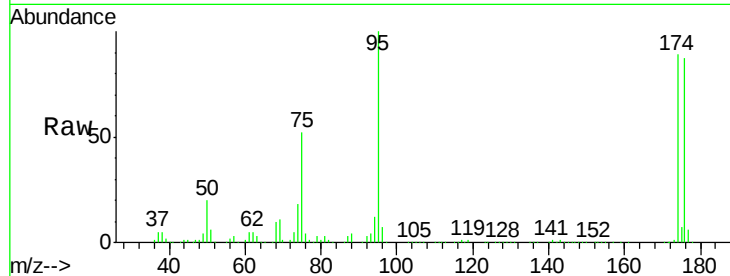




#81
trans-1,4-Dichloro-2-butene
Concen: 78.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001057.D
Acq: 23 Apr 2018 14:37

Instrument :
MSVOA_X
ClientSampleId :
LF014RW131-180412

Tgt Ion: 75 Resp: 85097
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 39.7 59.5#



#90
Hexachloroethane
Concen: 0.27 ug/l
RT: 12.76 min Scan# 1997
Delta R.T. 0.16 min
Lab File: VX001057.D
Acq: 23 Apr 2018 14:37

Tgt Ion: 117 Resp: 434
Ion Ratio Lower Upper
117 100
201 0.0 52.3 157.1#

