

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001058.D
 Acq On : 23 Apr 2018 15:02
 Operator : JC/MD
 Sample : J2377-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW006-180412

Quant Time: Apr 24 07:01:59 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	222002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	201899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	145776	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	5.51	113	110547	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	8.72	98	440260	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	174605	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

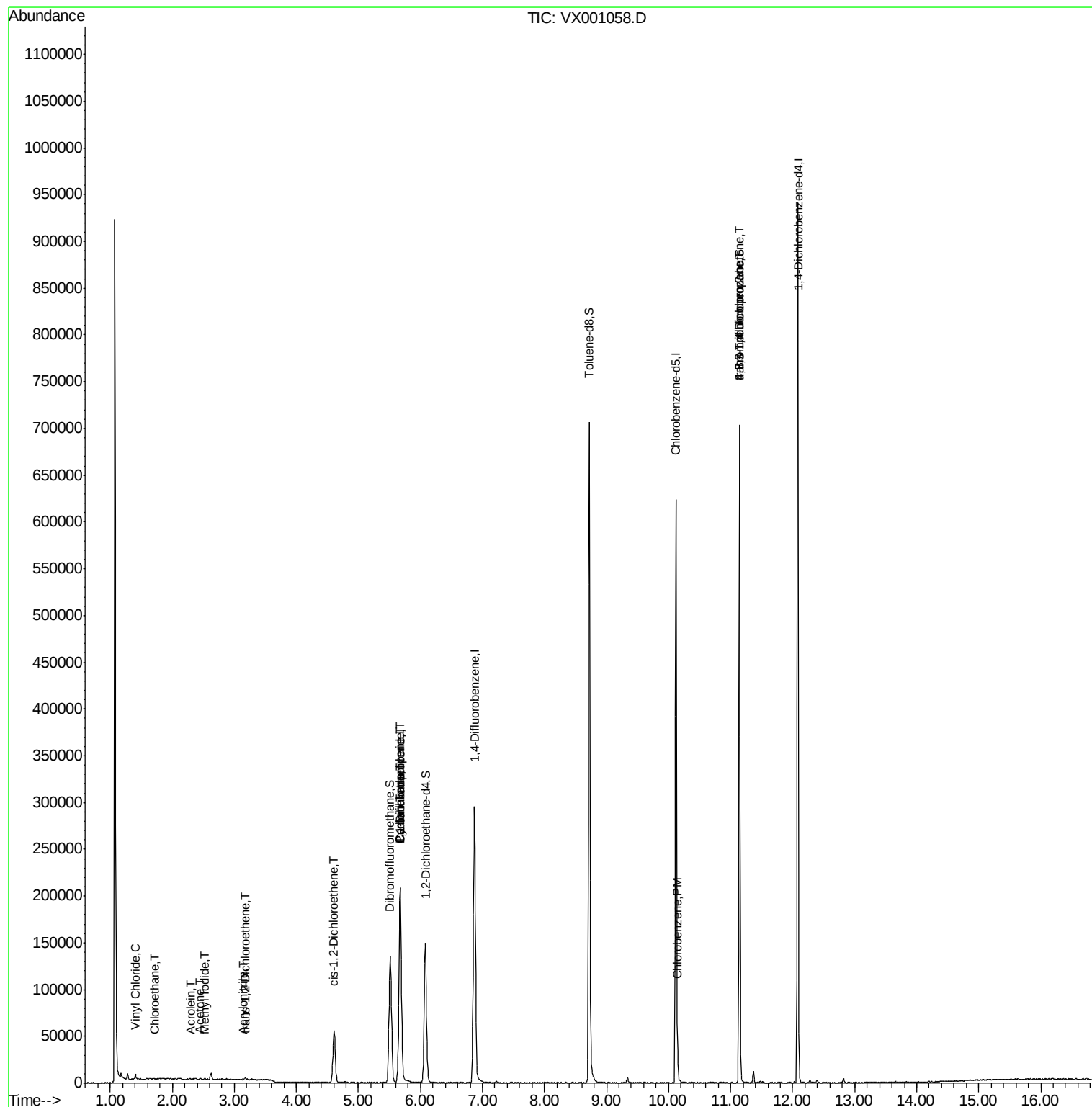
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2467	0.93	ug/l	98
5) Bromomethane	1.65	94	441	Below	Cal	84
6) Chloroethane	1.72	64	422	0.27	ug/l #	45
10) Methyl Iodide	2.53	142	110	7.64	ug/l #	33
13) Acrolein	2.29	56	82	11.53	ug/l #	1
15) Acrylonitrile	3.15	53	251	0.22	ug/l #	51
16) Acetone	2.45	43	1278	1.21	ug/l	99
20) Methylene Chloride	2.86	84	316	Below	Cal #	67
21) trans-1,2-Dichloroethene	3.17	96	737	0.31	ug/l	87
27) cis-1,2-Dichloroethene	4.61	96	34861	13.00	ug/l	89
31) Cyclohexane	5.67	56	3973	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13878	3.78	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19194	5.16	ug/l #	16
65) Chlorobenzene	10.15	112	8342	1.06	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	88628	25.30	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	88628	75.85	ug/l #	8

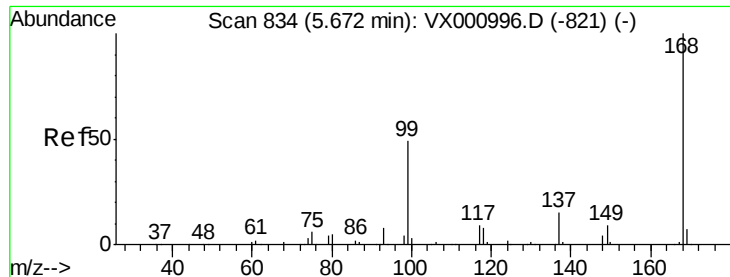
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

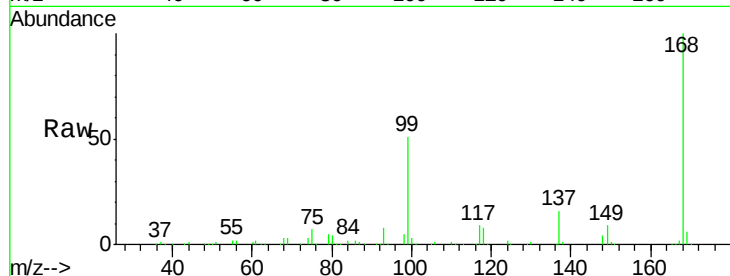
LF014MW006-180412

Tgt Ion:168 Resp: 222002

Ion Ratio Lower Upper

168 100

99 50.6 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

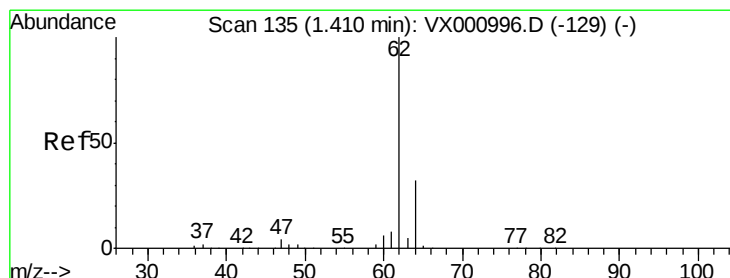
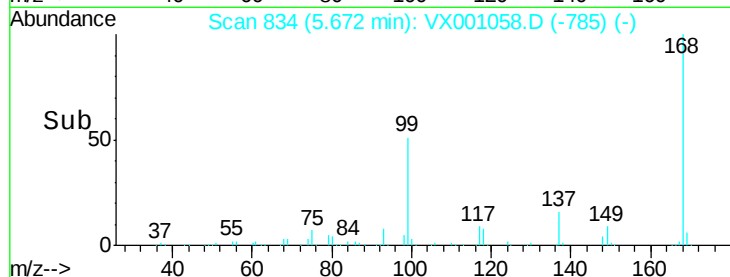
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 0.93 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001058.D

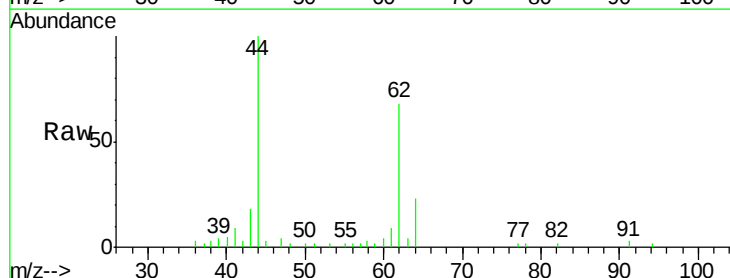
Acq: 23 Apr 2018 15:02

Tgt Ion: 62 Resp: 2467

Ion Ratio Lower Upper

62 100

64 33.0 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

2500

2000

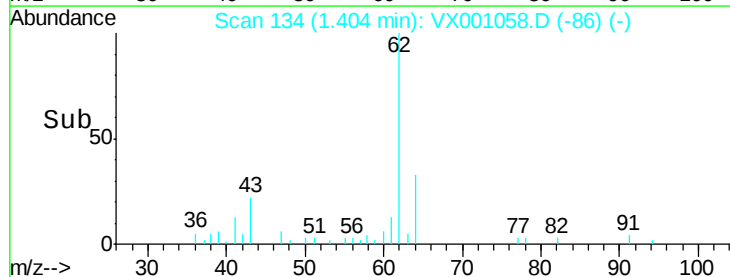
1500

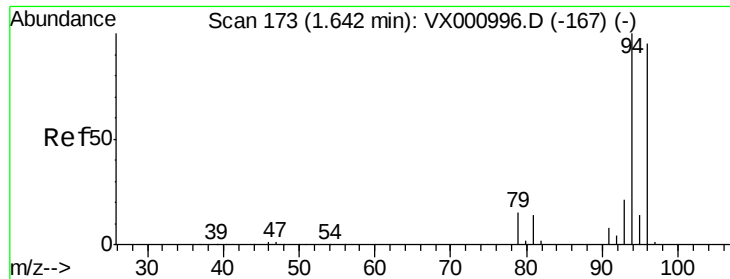
1000

500

0

Time--> 1.35 1.40 1.45

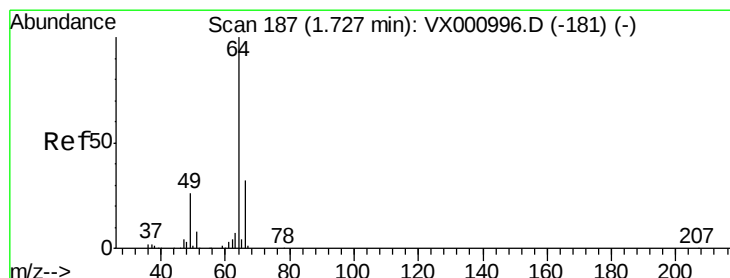
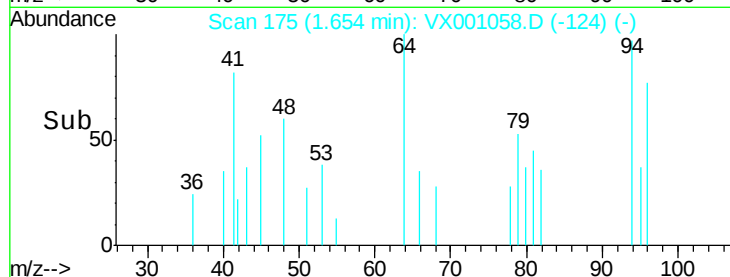
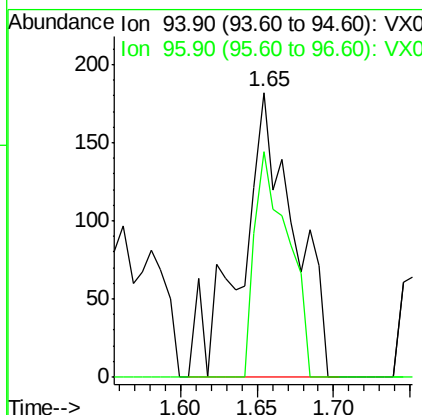
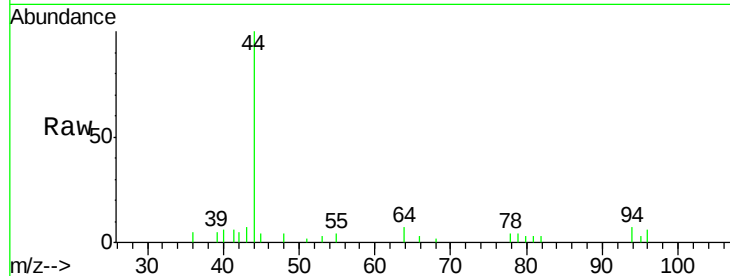




#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.01 min
Lab File: VX001058.D
Acq: 23 Apr 2018 15:02

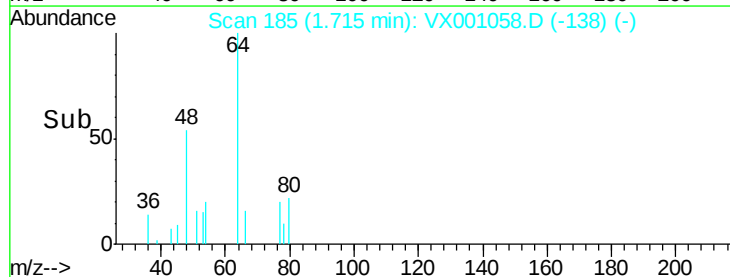
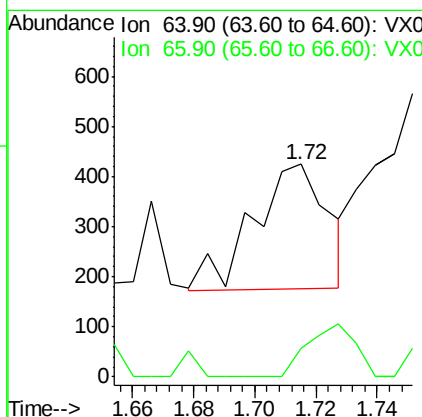
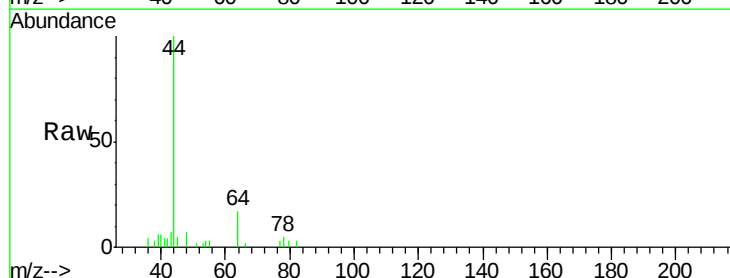
Instrument :
MSVOA_X
ClientSampleId :
LF014MW006-180412

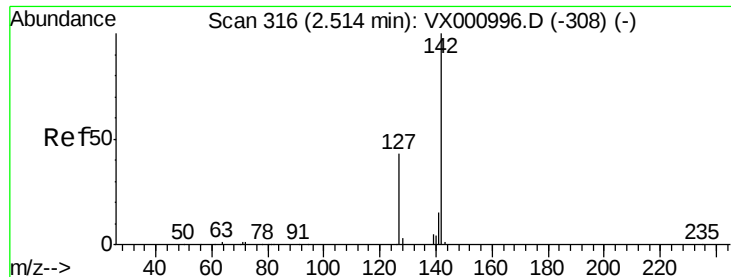
Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 79.1 76.0 114.0



#6
Chloroethane
Concen: 0.27 ug/l
RT: 1.72 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX001058.D
Acq: 23 Apr 2018 15:02

Tgt Ion: 64 Resp: 422
Ion Ratio Lower Upper
64 100
66 1.2 25.3 37.9#

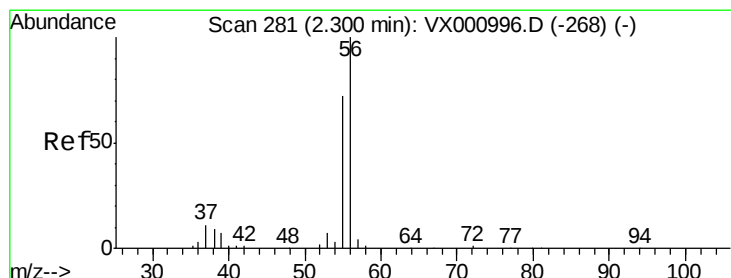
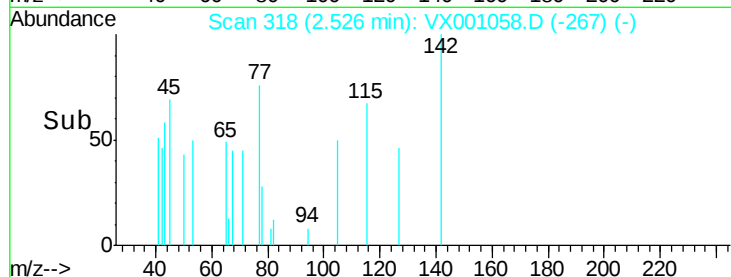
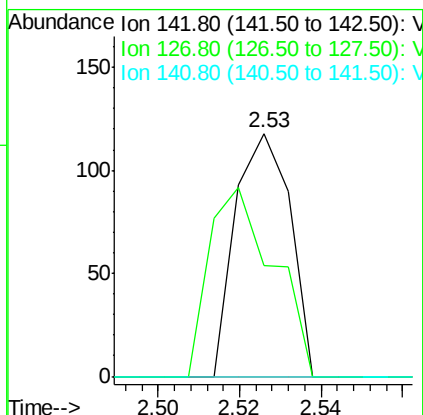
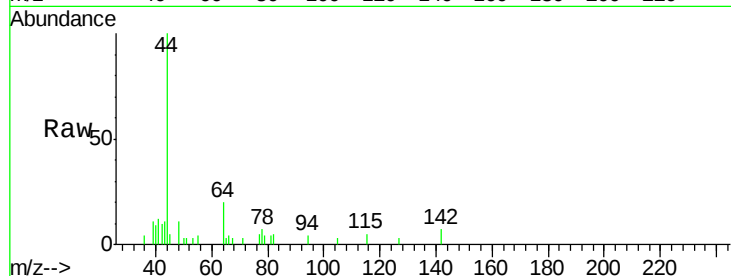




#10
Methyl Iodide
Concen: 7.64 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001058.D
Acq: 23 Apr 2018 15:02

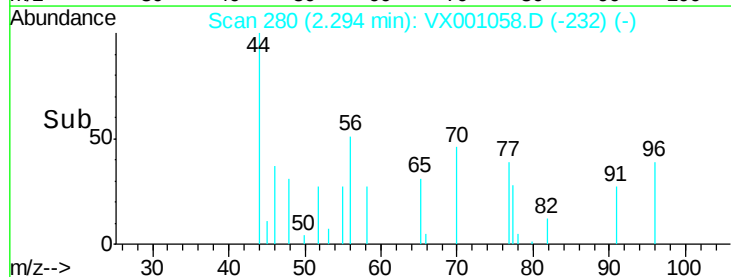
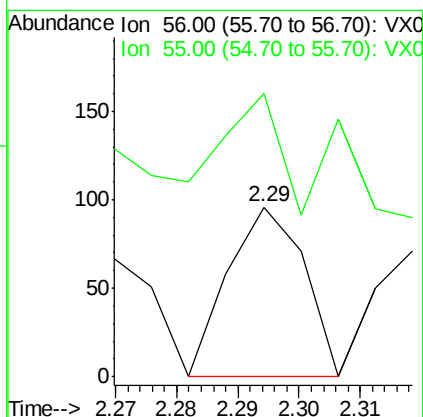
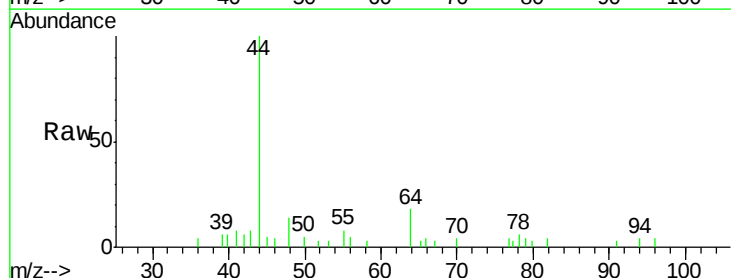
Instrument :
MSVOA_X
ClientSampleId :
LF014MW006-180412

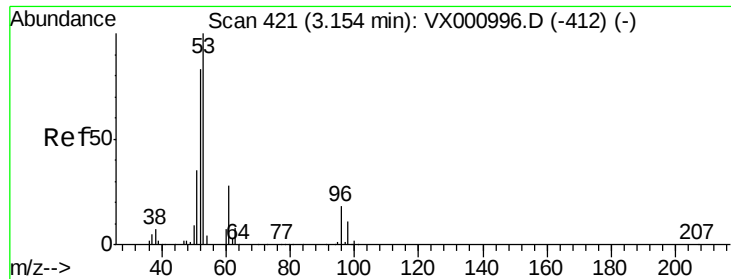
Tgt Ion: 142 Resp: 110
Ion Ratio Lower Upper
142 100
127 91.8 34.0 51.0#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 11.53 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001058.D
Acq: 23 Apr 2018 15:02

Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 406.1 57.4 86.2#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

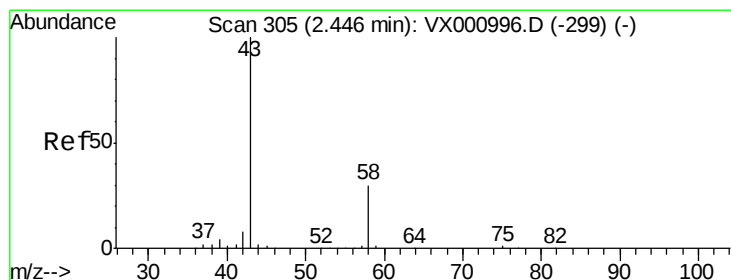
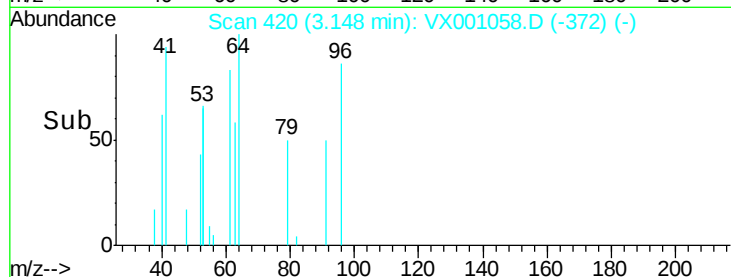
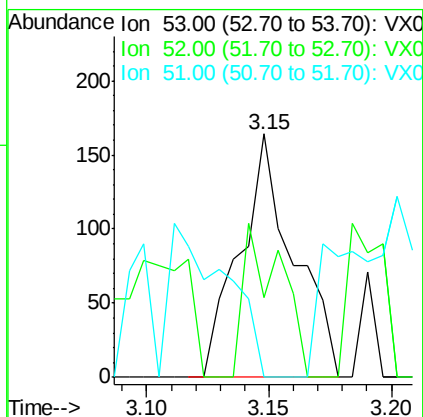
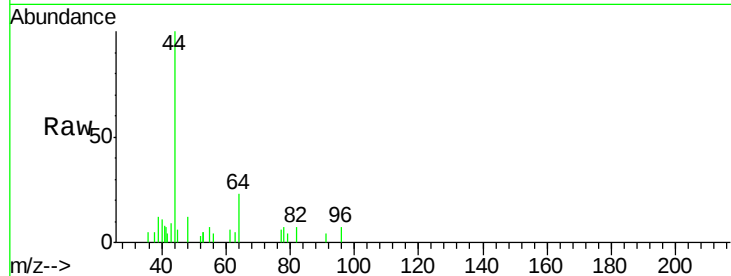
Tgt Ion: 53 Resp: 251

Ion Ratio Lower Upper

53 100

52 43.8 66.4 99.6#

51 0.0 29.0 43.6#



#16

Acetone

Concen: 1.21 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001058.D

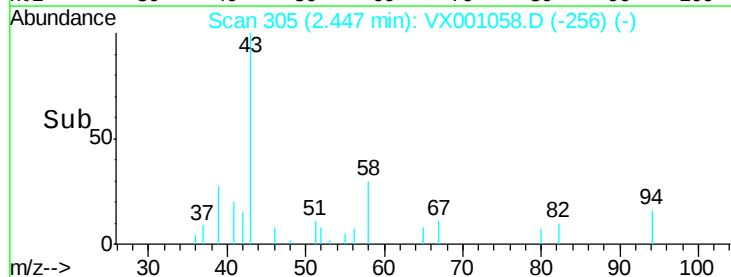
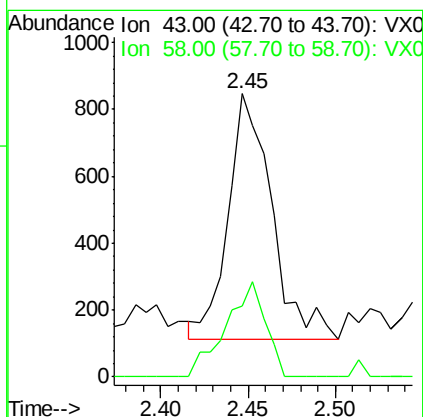
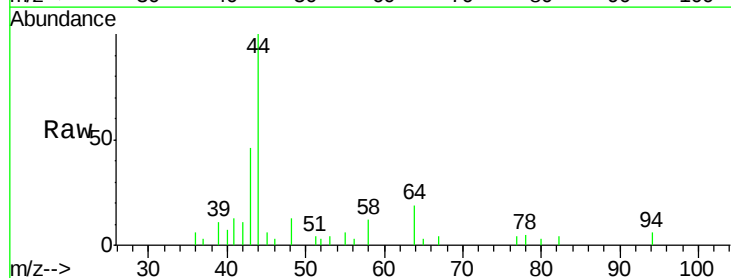
Acq: 23 Apr 2018 15:02

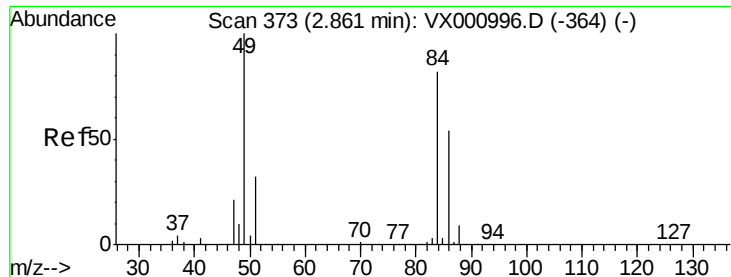
Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

58 28.9 23.7 35.5





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

Tgt Ion: 84 Resp: 316

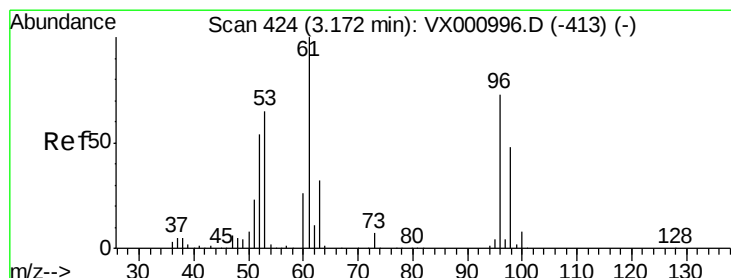
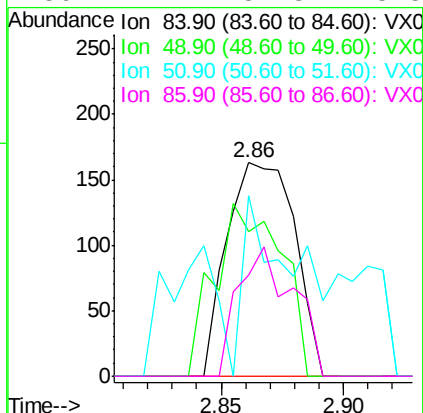
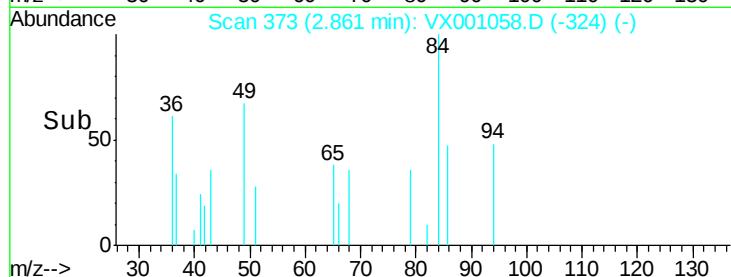
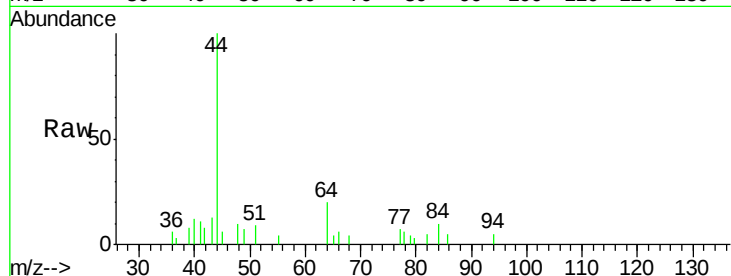
Ion Ratio Lower Upper

84 100

49 67.5 97.1 145.7#

51 36.8 30.8 46.2

86 47.2 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: VX001058.D

Acq: 23 Apr 2018 15:02

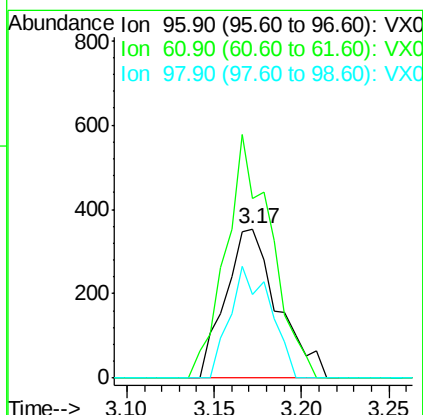
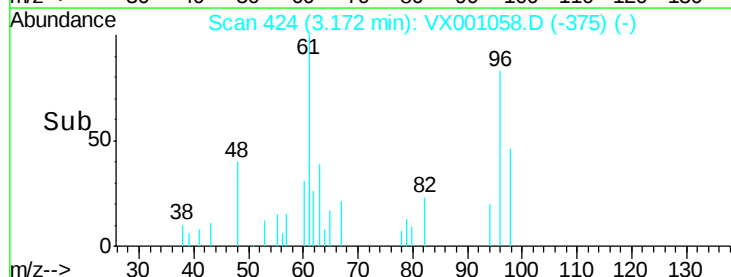
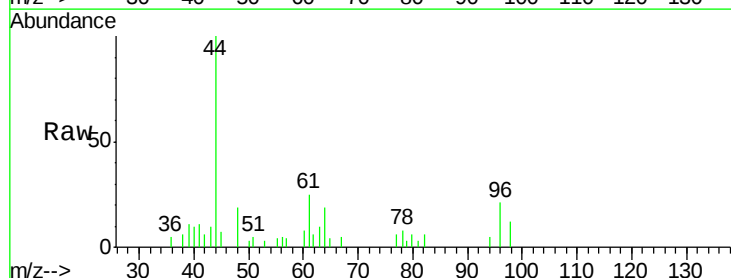
Tgt Ion: 96 Resp: 737

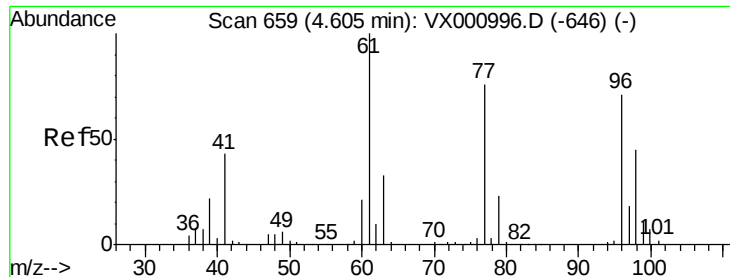
Ion Ratio Lower Upper

96 100

61 120.3 109.4 164.2

98 55.9 52.6 78.8



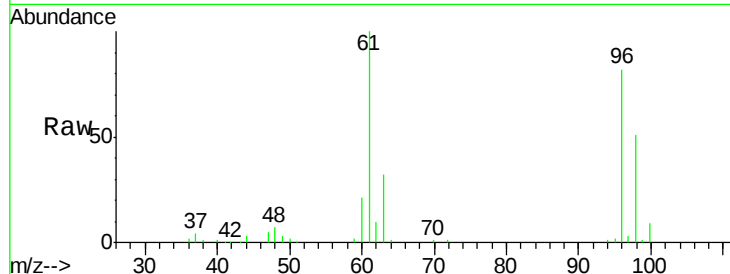


#27

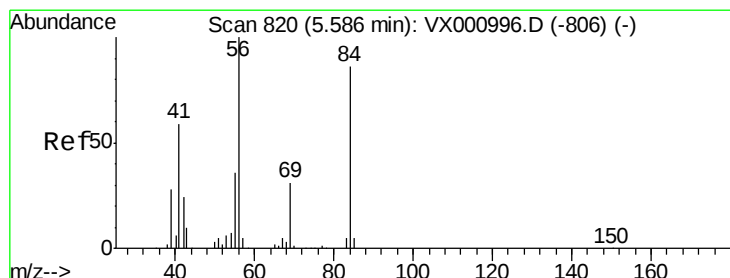
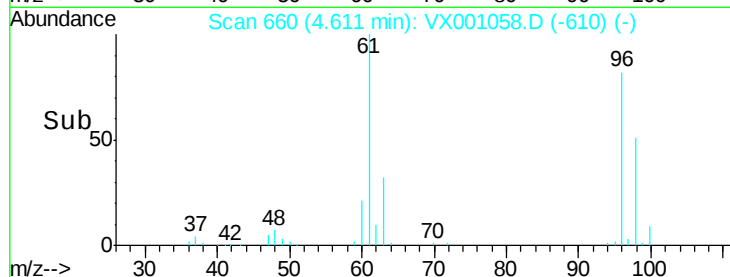
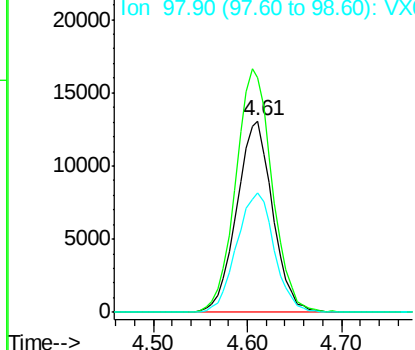
cis-1,2-Dichloroethene
Concen: 13.00 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX001058.D
Acq: 23 Apr 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
LF014MW006-180412

Tgt Ion: 96 Resp: 34861
Ion Ratio Lower Upper
96 100
61 129.0 0.0 297.0
98 65.3 0.0 130.0



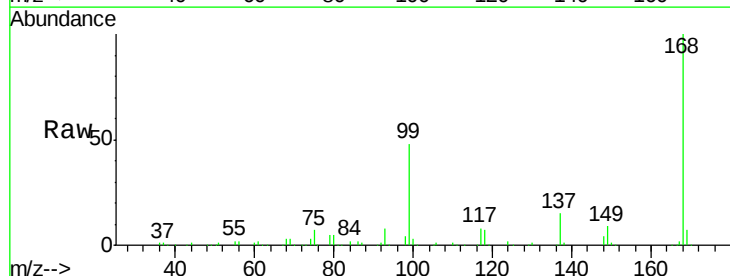
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



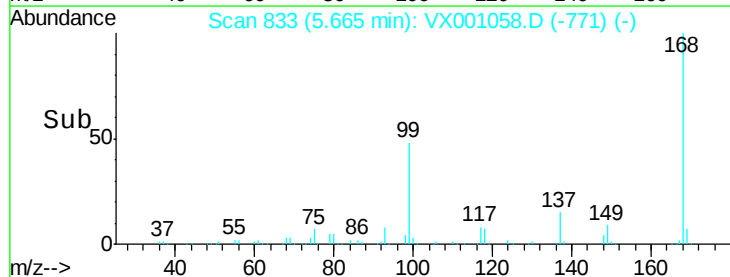
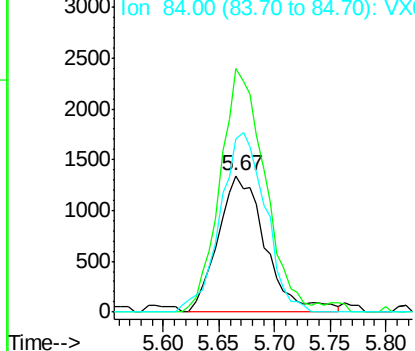
#31

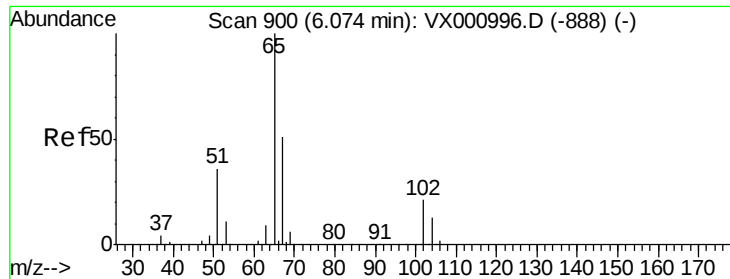
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX001058.D
Acq: 23 Apr 2018 15:02

Tgt Ion: 56 Resp: 3973
Ion Ratio Lower Upper
56 100
69 173.8 24.6 36.8#
84 126.6 69.0 103.6#



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: 51.80 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

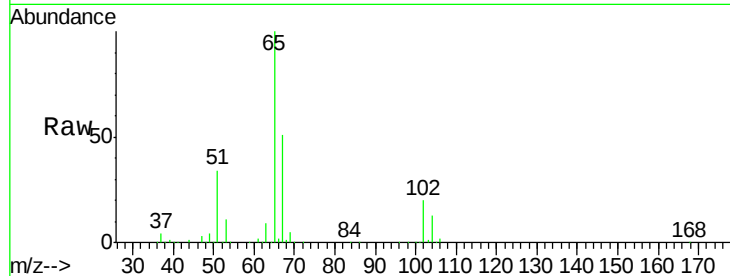
LF014MW006-180412

Tgt Ion: 65 Resp: 145776

Ion Ratio Lower Upper

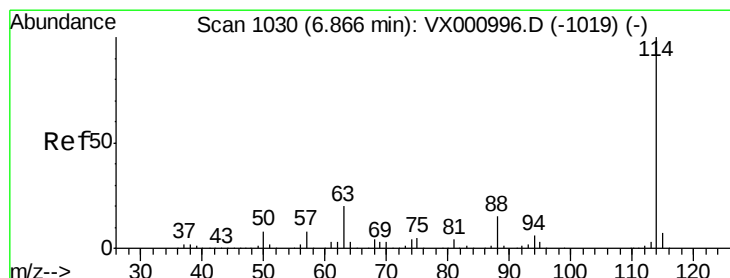
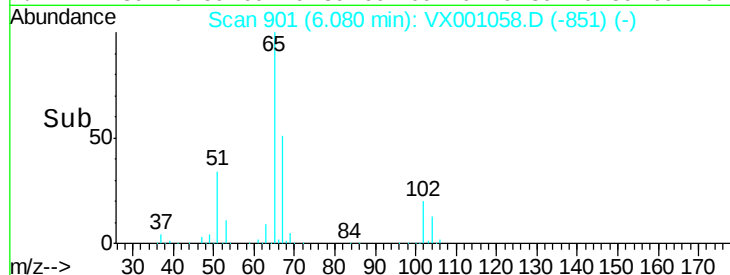
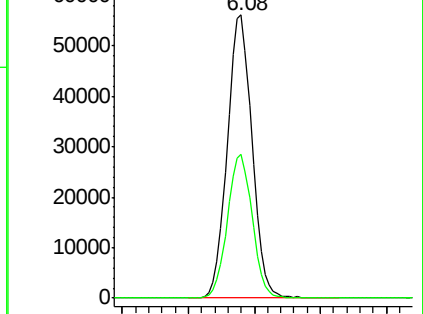
65 100

67 50.7 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: VX001058.D

Acq: 23 Apr 2018 15:02

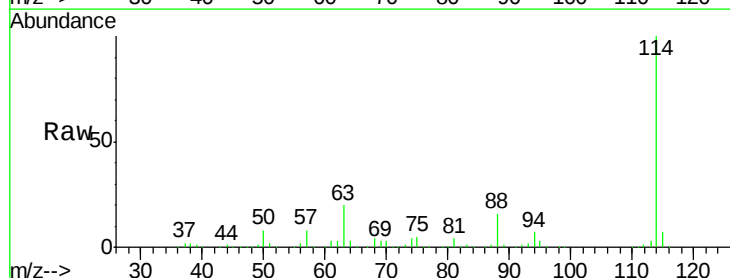
Tgt Ion: 114 Resp: 312465

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

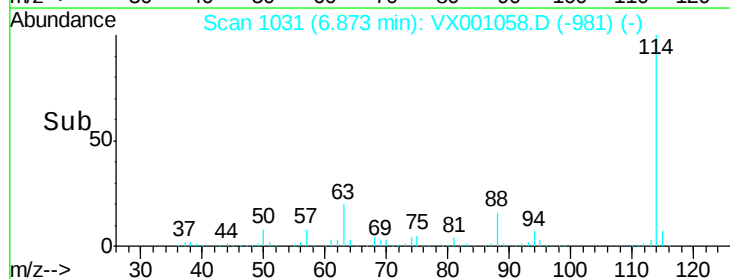
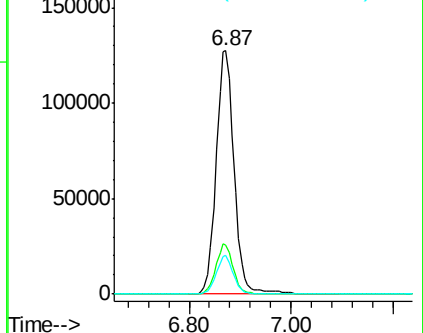
88 15.8 0.0 29.8

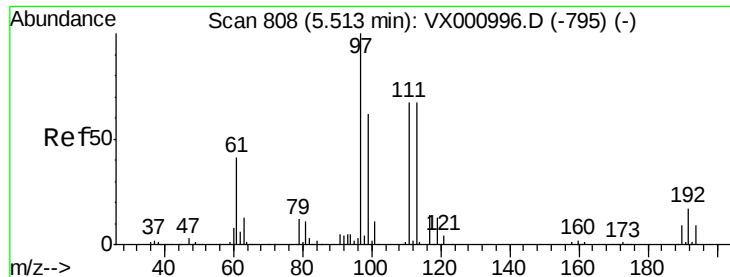


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

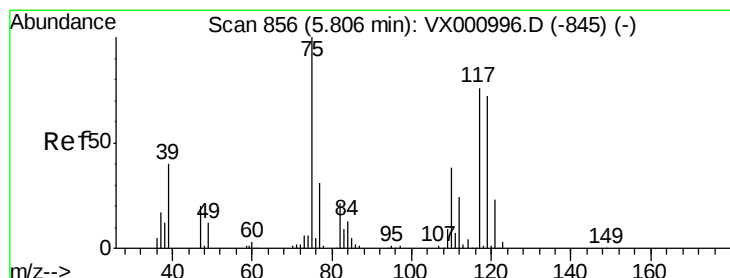
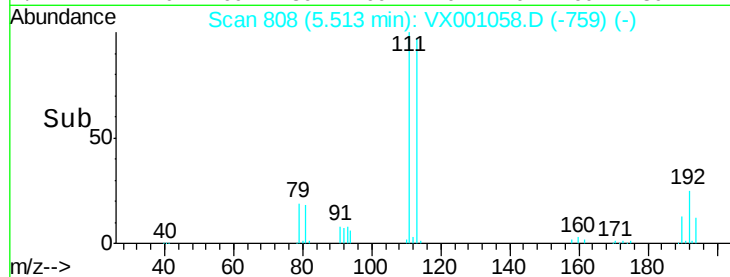
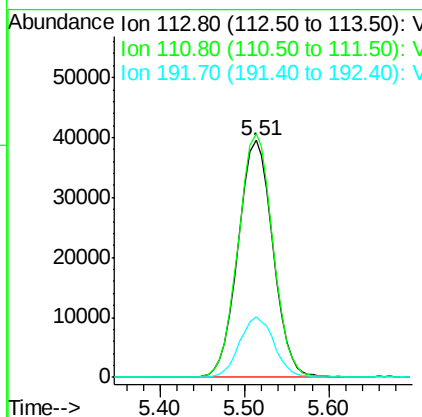
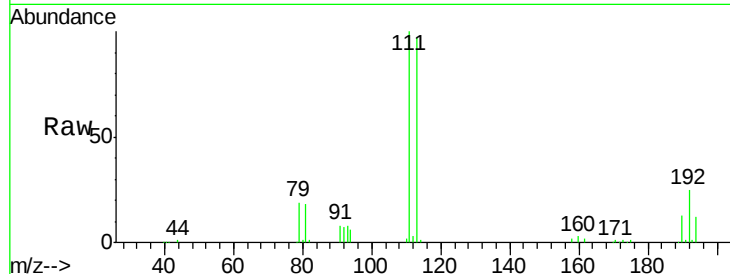




#35
 Dibromofluoromethane
 Concen: 46.40 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001058.D
 Acq: 23 Apr 2018 15:02

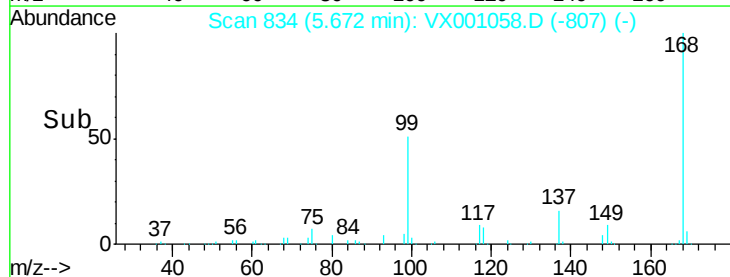
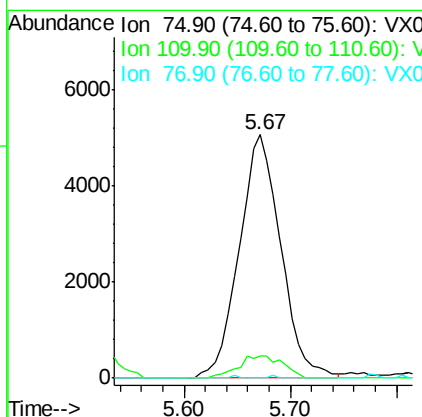
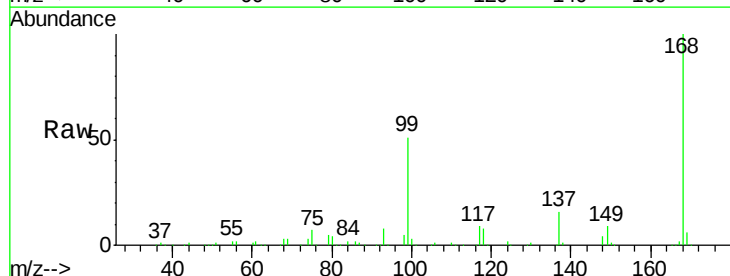
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW006-180412

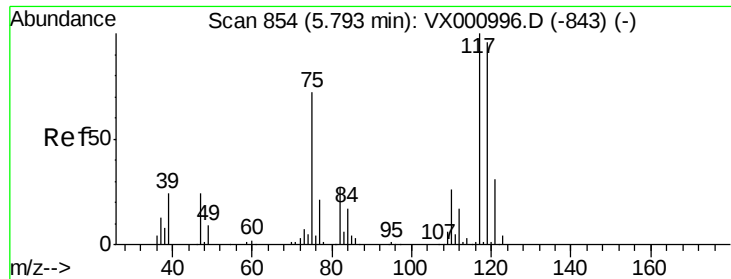
Tgt Ion:113 Resp: 110547
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.2
 192 25.5 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001058.D
 Acq: 23 Apr 2018 15:02

Tgt Ion: 75 Resp: 13878
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.7 56.1#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.16 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

LF014MW006-180412

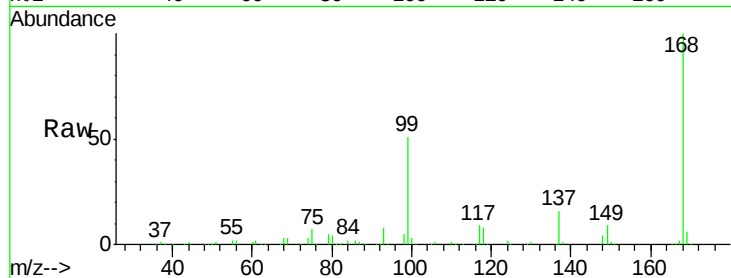
Tgt Ion:117 Resp: 19194

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

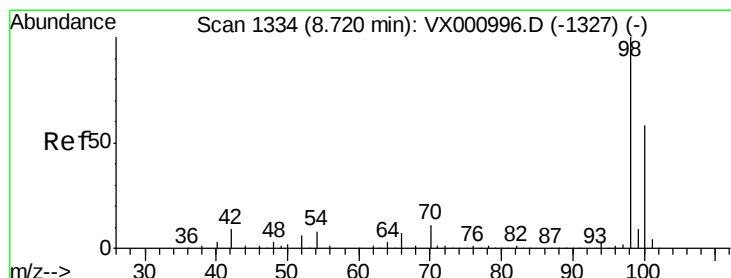
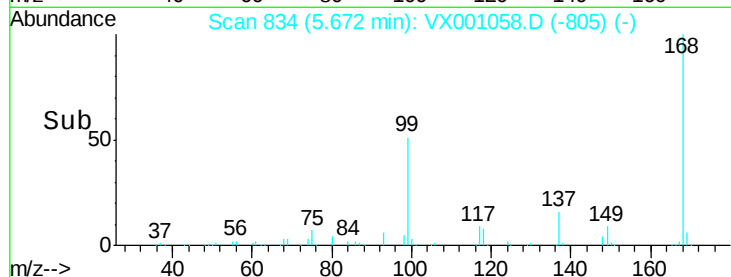
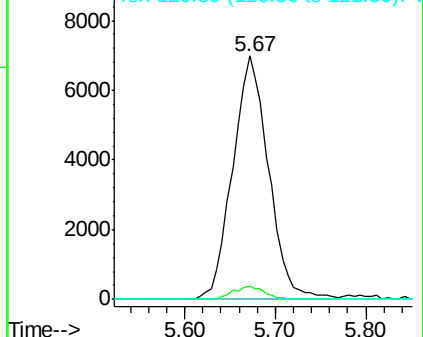
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 49.97 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001058.D

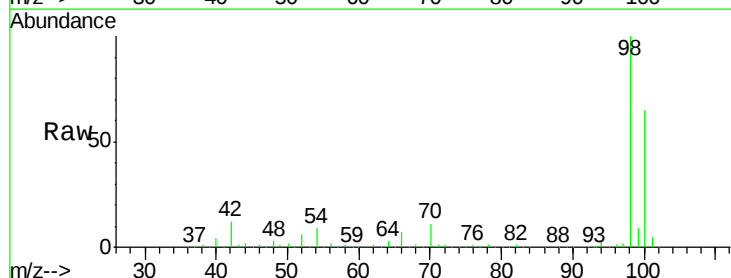
Acq: 23 Apr 2018 15:02

Tgt Ion: 98 Resp: 440260

Ion Ratio Lower Upper

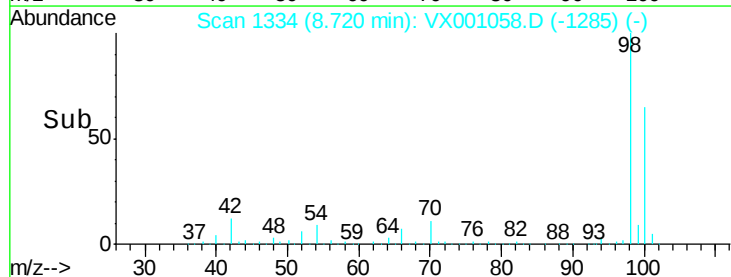
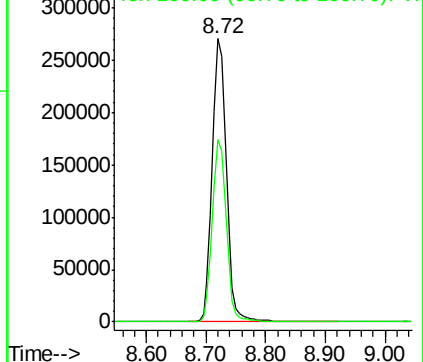
98 100

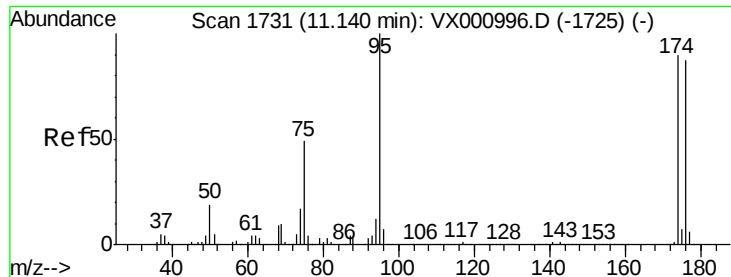
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

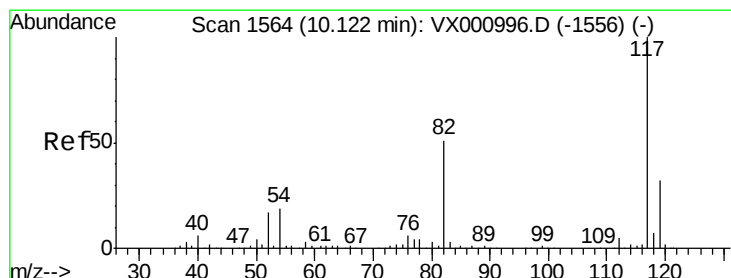
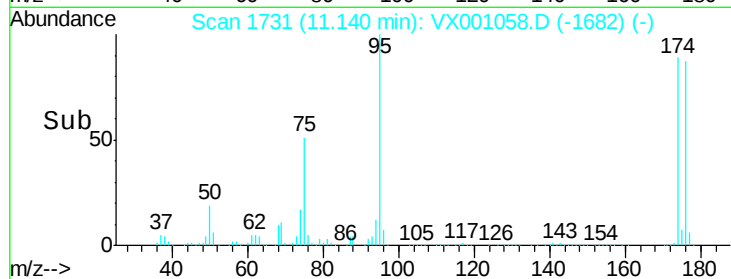
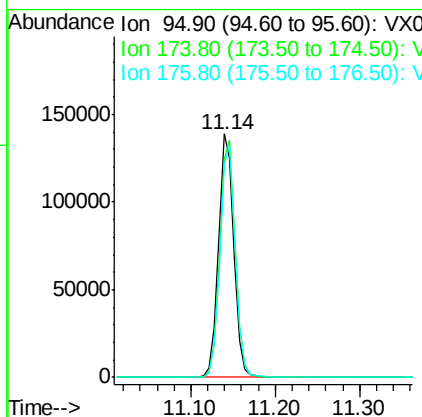
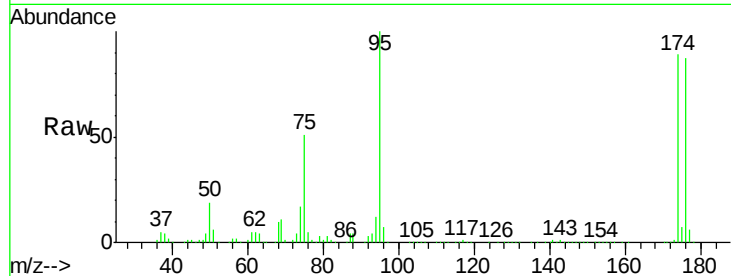




#62
 4-Bromofluorobenzene
 Concen: 47.22 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001058.D
 Acq: 23 Apr 2018 15:02

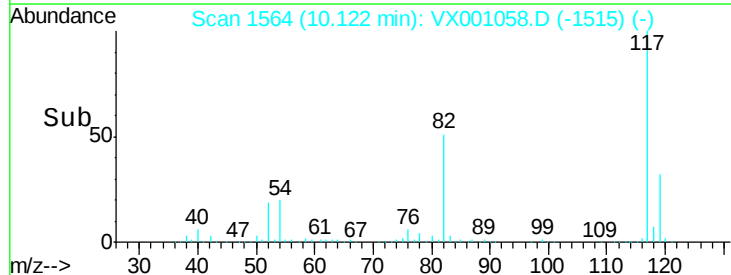
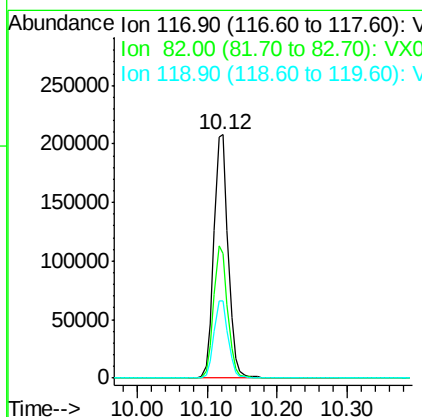
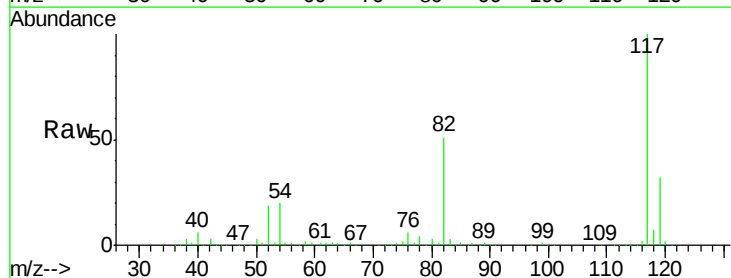
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW006-180412

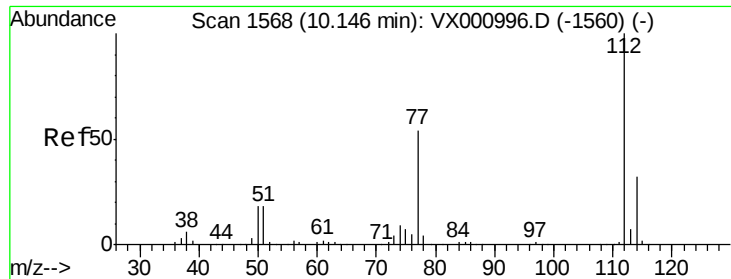
Tgt Ion: 95 Resp: 174605
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 198.4
 176 95.3 0.0 192.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VX001058.D
 Acq: 23 Apr 2018 15:02

Tgt Ion: 117 Resp: 296597
 Ion Ratio Lower Upper
 117 100
 82 51.0 40.6 60.8
 119 31.8 26.0 39.0





#65

Chlorobenzene

Concen: 1.06 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

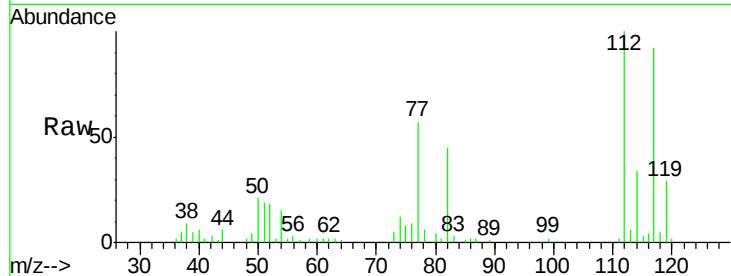
LF014MW006-180412

Tgt Ion:112 Resp: 8342

Ion Ratio Lower Upper

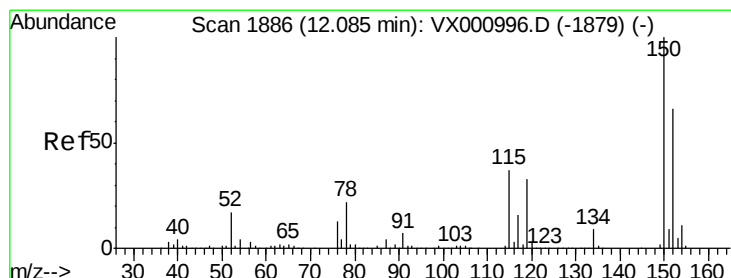
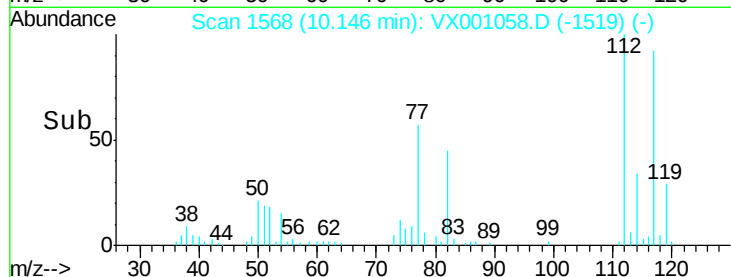
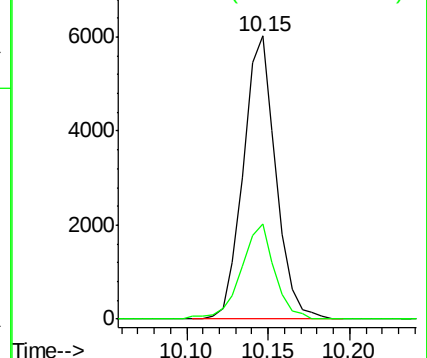
112 100

114 33.6 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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001058.D

Acq: 23 Apr 2018 15:02

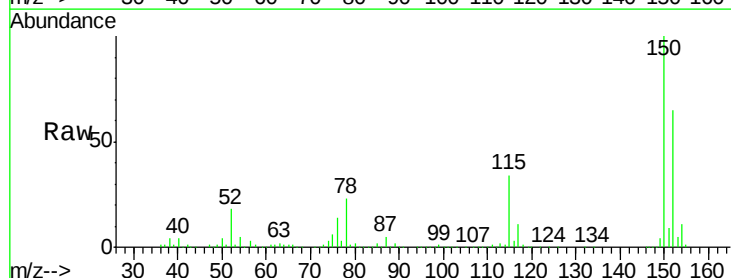
Tgt Ion:152 Resp: 201899

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

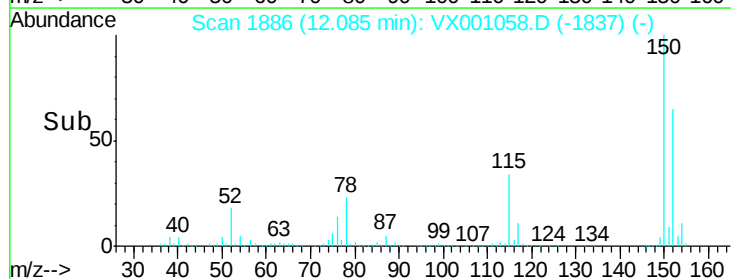
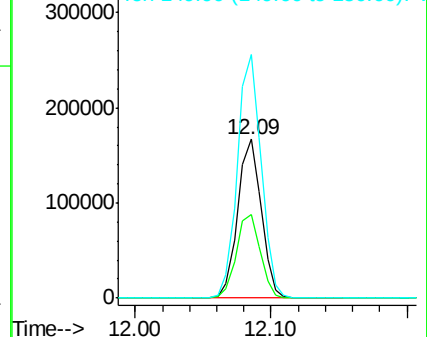
150 154.5 0.0 350.4

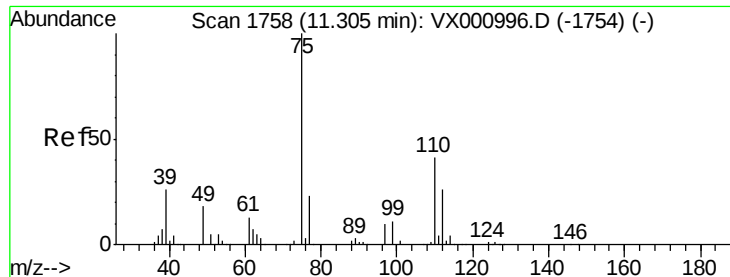


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

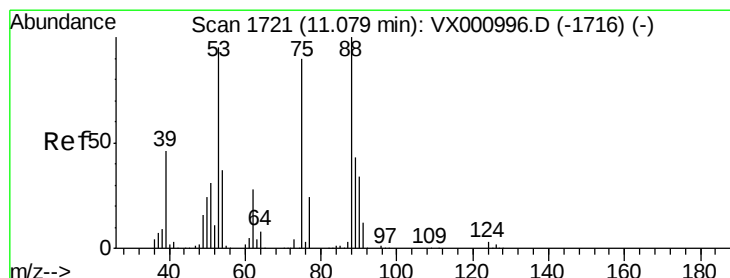
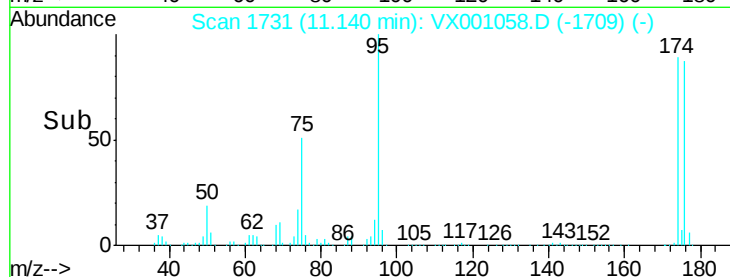
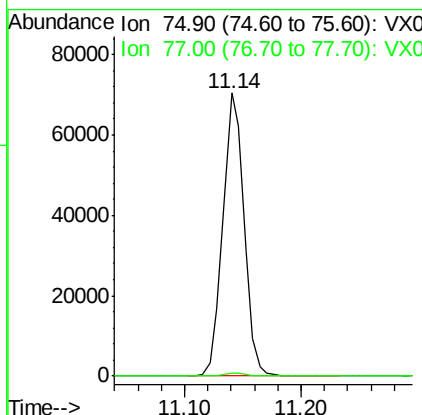
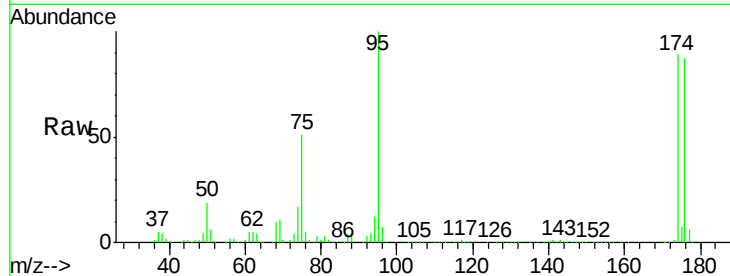




#76
 1,2,3-Trichloropropane
 Concen: 25.30 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001058.D
 Acq: 23 Apr 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW006-180412

Tgt Ion: 75 Resp: 88628
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.85 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001058.D
 Acq: 23 Apr 2018 15:02

Tgt Ion: 75 Resp: 88628
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 39.7 59.5#

