

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002611.D
 Acq On : 15 Jun 2018 21:56
 Operator : JC/MD
 Sample : J3467-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-061218

Quant Time: Jun 15 23:53:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 14:54:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298845	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152971	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	142037	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	5.51	113	107163	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
50) Toluene-d8	8.72	98	428431	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.14	95	147570	43.00	ug/l	0.00
Spiked Amount			Recovery	=	86.00%	

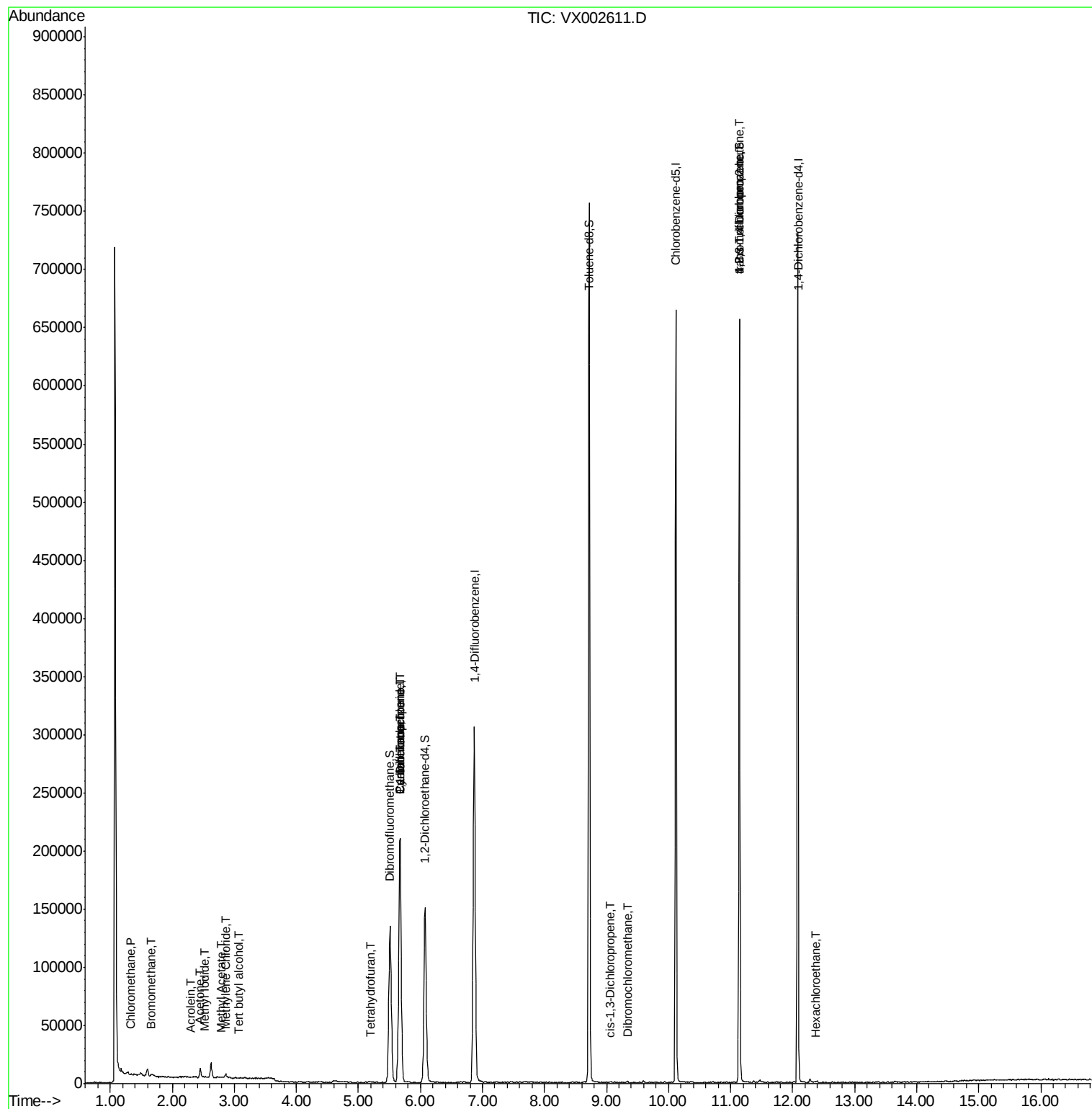
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	673	0.26	ug/l #	84
5) Bromomethane	1.67	94	1151	0.71	ug/l #	77
10) Methyl Iodide	2.52	142	1102	5.48	ug/l	93
11) Tert butyl alcohol	3.06	59	259	0.40	ug/l #	76
13) Acrolein	2.30	56	157	7.37	ug/l #	72
16) Acetone	2.45	43	8736	6.35	ug/l	91
18) Methyl Acetate	2.79	43	1426	0.39	ug/l #	71
20) Methylene Chloride	2.86	84	1410	0.50	ug/l	83
29) Tetrahydrofuran	5.18	42	448	0.38	ug/l #	64
31) Cyclohexane	5.67	56	4611	1.25	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	14162	4.46	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19338	6.12	ug/l #	14
54) cis-1,3-Dichloropropene	9.06	75	71	3.23	ug/l #	32
60) Dibromochloromethane	9.34	129	27	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	80710	27.96	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	80710	86.17	ug/l #	7
90) Hexachloroethane	12.37	117	39	2.65	ug/l #	1

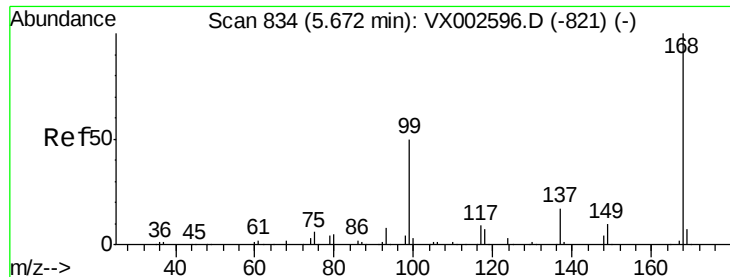
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 15 14:54:36 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: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

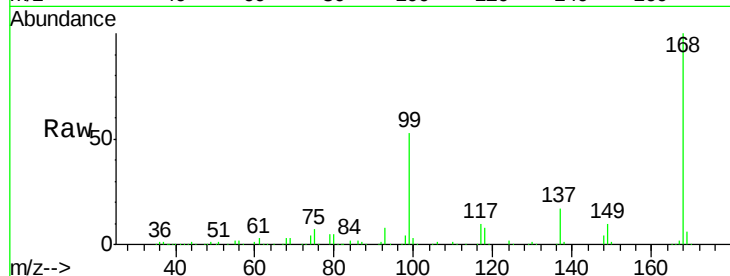
TB-061218

Tot Ion:168 Resp: 205119

Ion Ratio Lower Upper

168 100

99 53.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

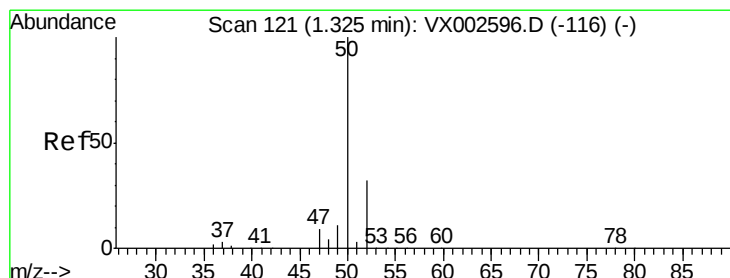
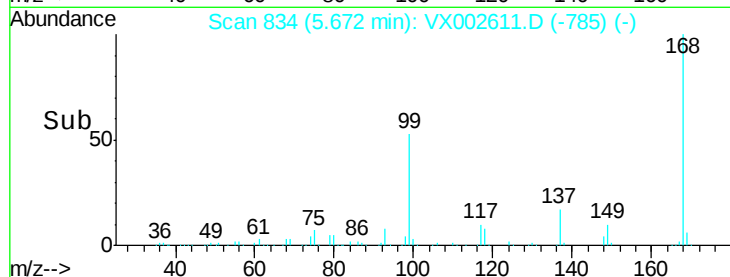
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002611.D

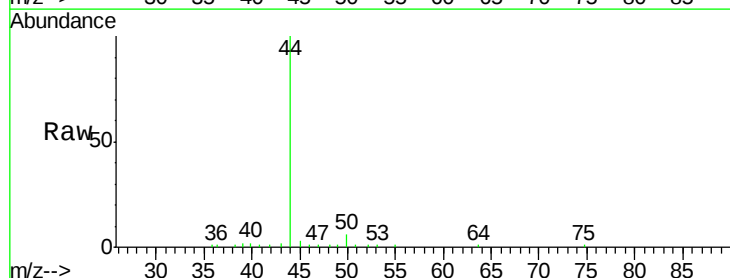
Acq: 15 Jun 2018 21:56

Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

50 100

52 23.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

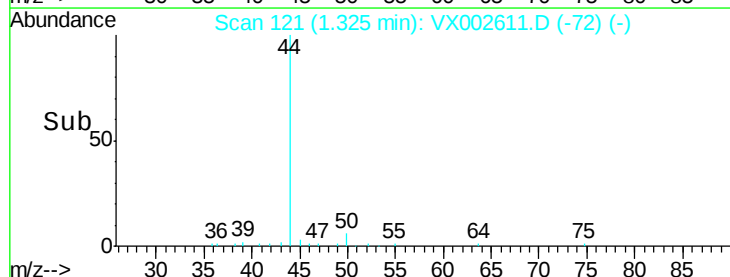
200

100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.71 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampled :

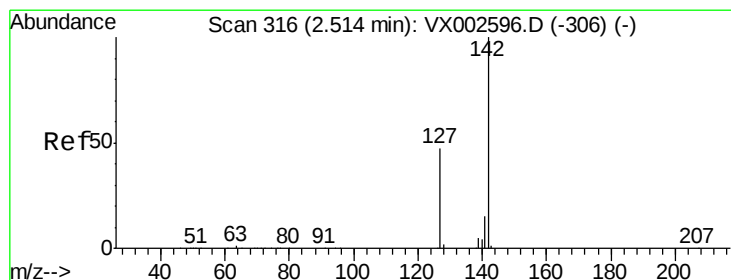
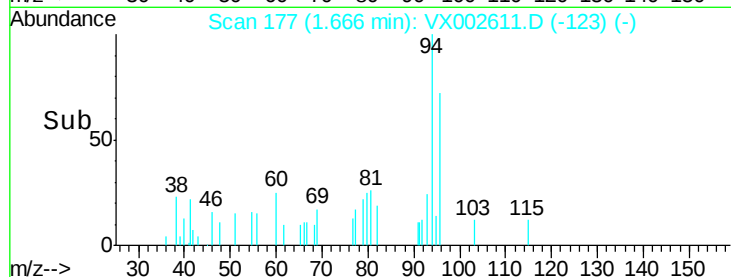
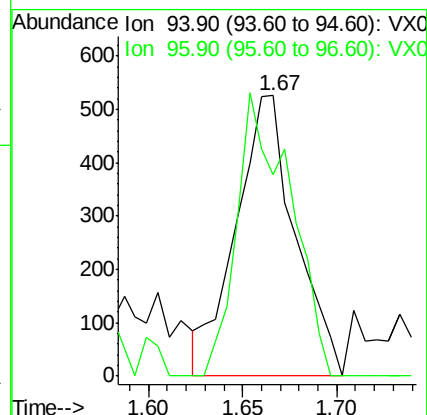
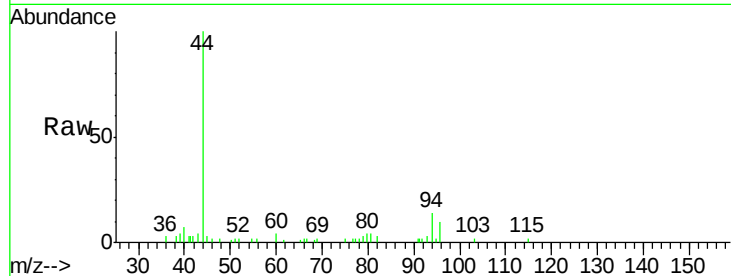
TB-061218

Tot Ion: 94 Resp: 1151

Ion Ratio Lower Upper

94 100

96 71.9 74.9 112.3#



#10

Methyl Iodide

Concen: 5.48 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

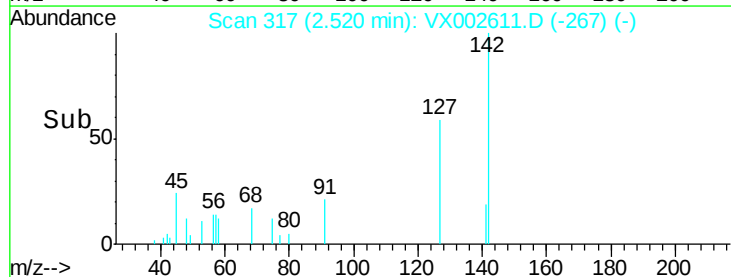
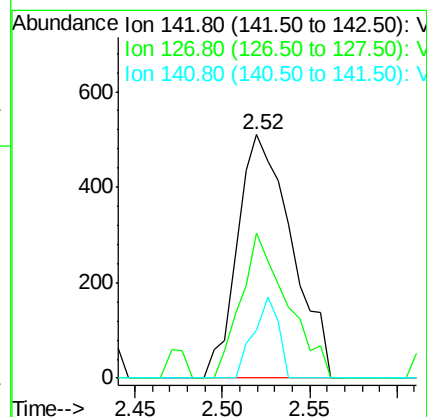
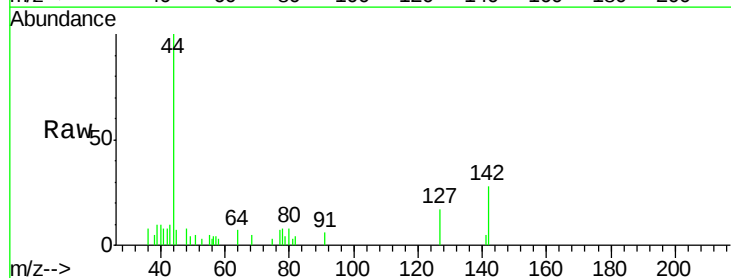
Tgt Ion:142 Resp: 1102

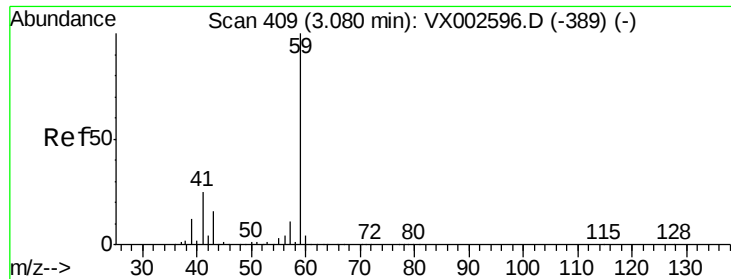
Ion Ratio Lower Upper

142 100

127 50.8 36.6 55.0

141 15.3 11.3 16.9



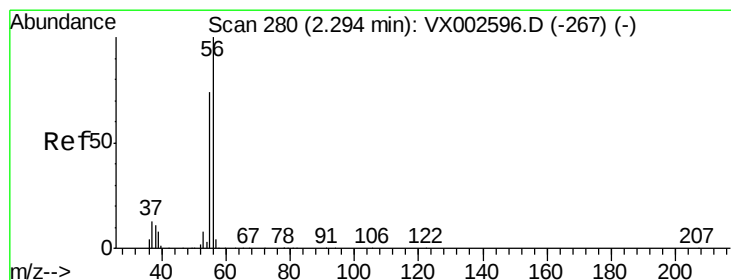
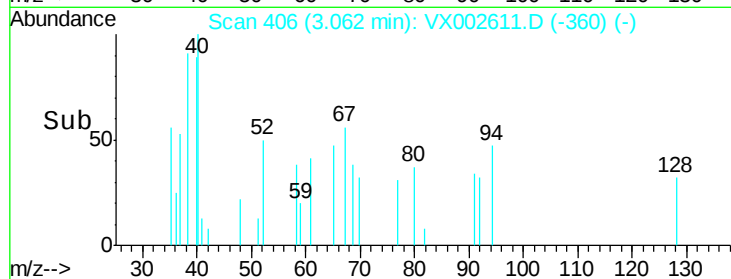
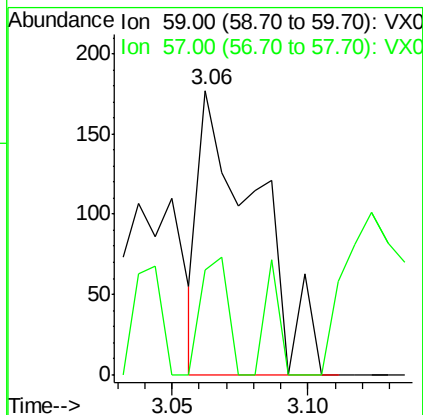
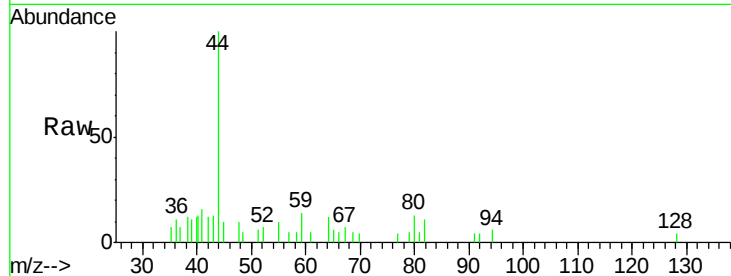


#11

Tert butyl alcohol
Concen: 0.40 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002611.D
Acq: 15 Jun 2018 21:56

Instrument :
MSVOA_X
ClientSampleID :
TB-061218

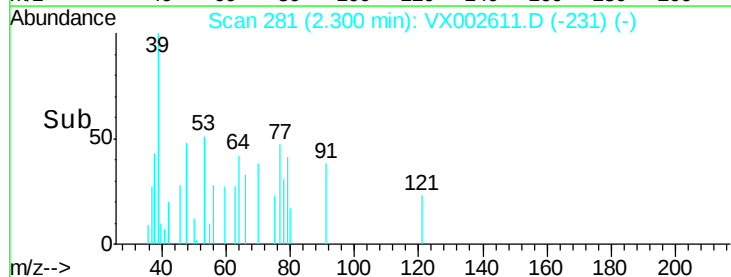
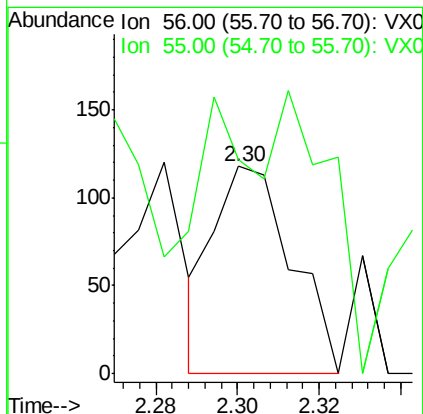
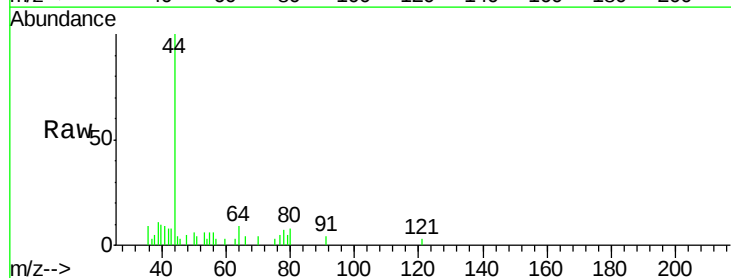
Tot Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 19.3 8.2 12.2#

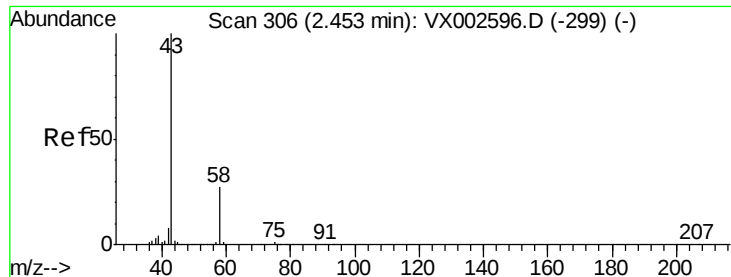


#13

Acrolein
Concen: 7.37 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002611.D
Acq: 15 Jun 2018 21:56

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 48.4 57.0 85.4#





#16

Acetone

Concen: 6.35 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampled :

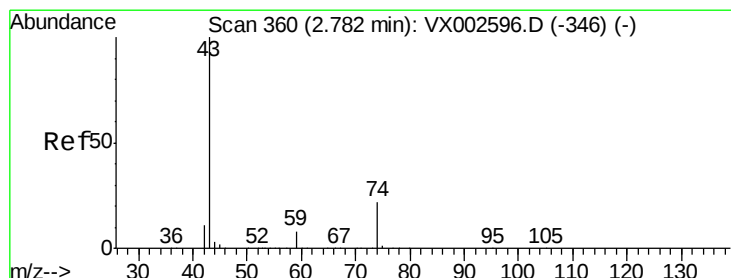
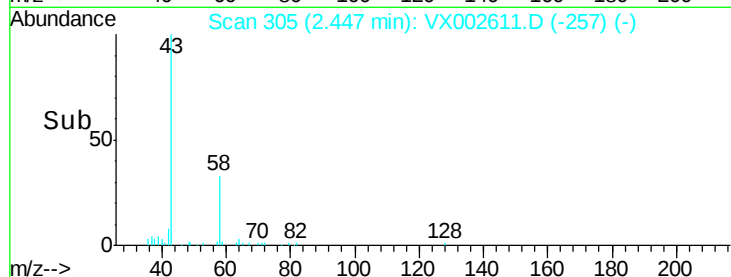
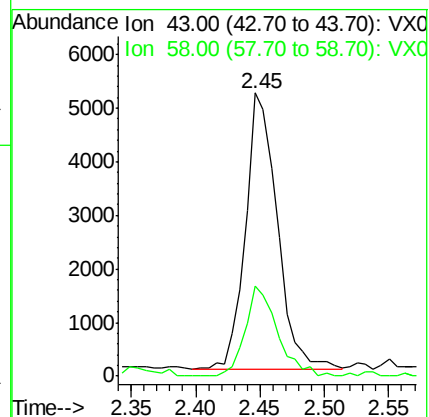
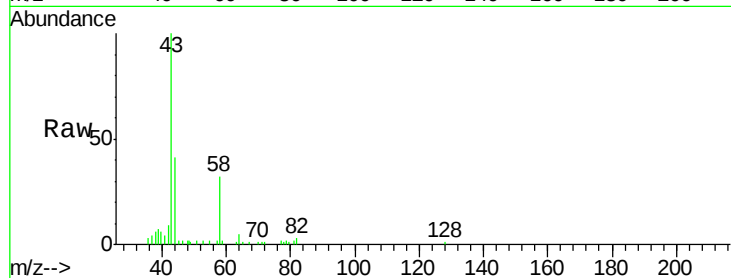
TB-061218

Tot Ion: 43 Resp: 8736

Ion Ratio Lower Upper

43 100

58 32.6 22.1 33.1



#18

Methyl Acetate

Concen: 0.39 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002611.D

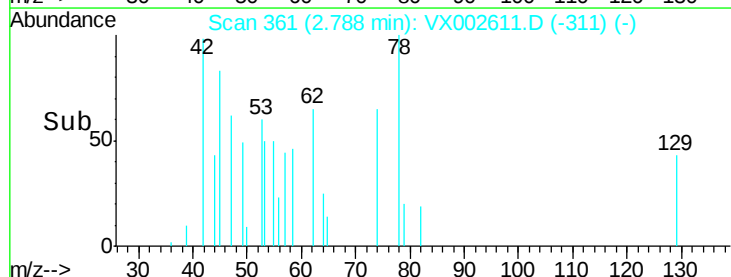
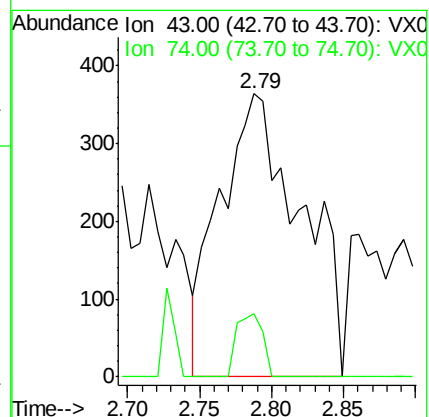
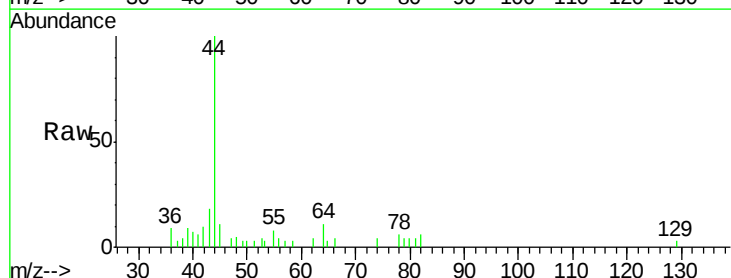
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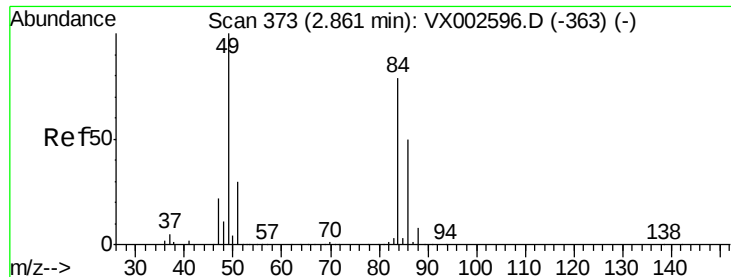
Tgt Ion: 43 Resp: 1426

Ion Ratio Lower Upper

43 100

74 7.3 16.7 25.1#

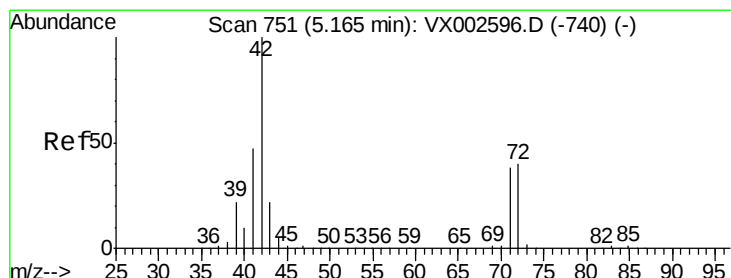
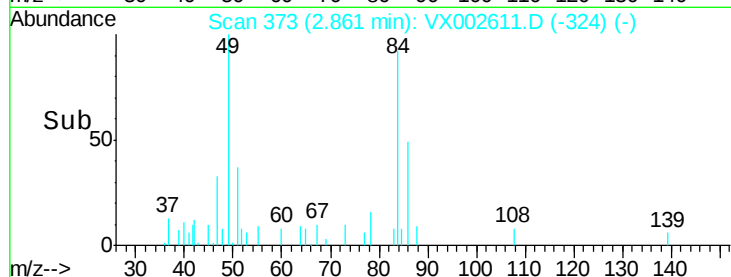
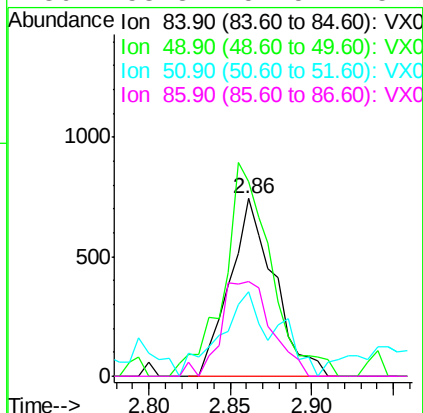
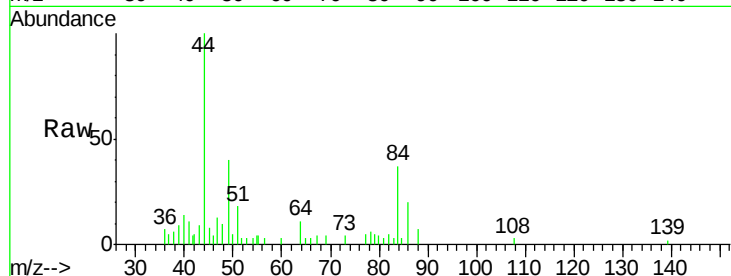




#20
Methvlene Chloride
Concen: 0.50 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002611.D
Acq: 15 Jun 2018 21:56

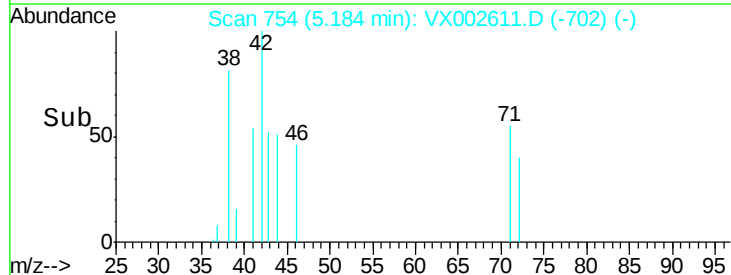
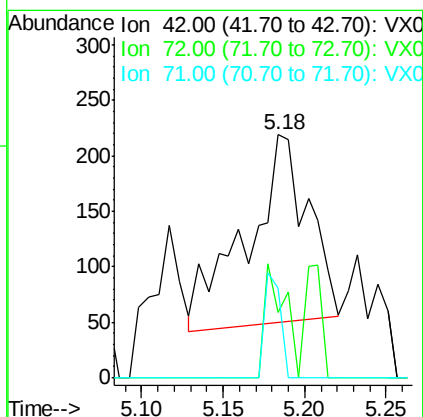
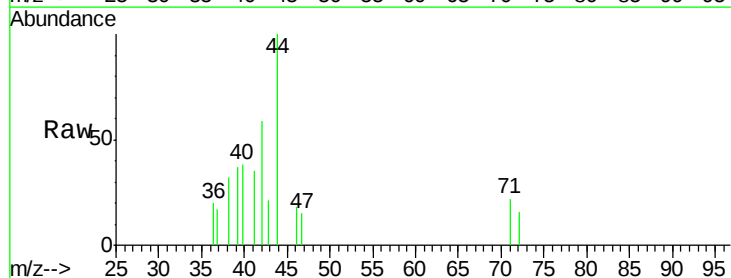
Instrument :
MSVOA_X
ClientSampled :
TB-061218

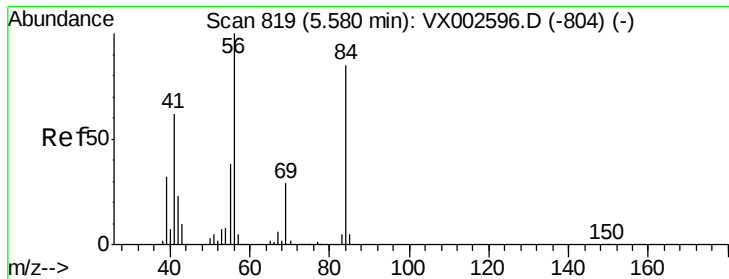
Tot Ion: 84 Resp: 1410
Ion Ratio Lower Upper
84 100
49 109.3 107.8 161.6
51 38.4 32.8 49.2
86 53.3 52.5 78.7



#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX002611.D
Acq: 15 Jun 2018 21:56

Tgt Ion: 42 Resp: 448
Ion Ratio Lower Upper
42 100
72 19.4 32.0 48.0#
71 14.3 30.1 45.1#





#31

Cvclohexane

Concen: 1.25 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

TB-061218

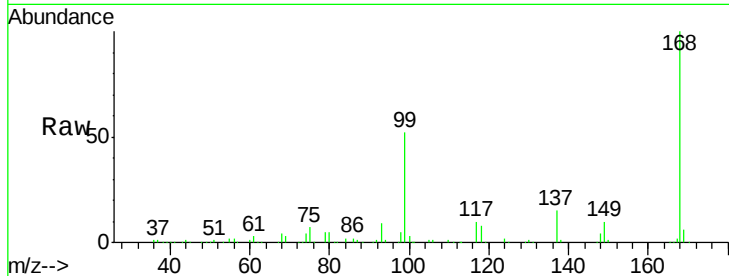
Tot Ion: 56 Resp: 4611

Ion Ratio Lower Upper

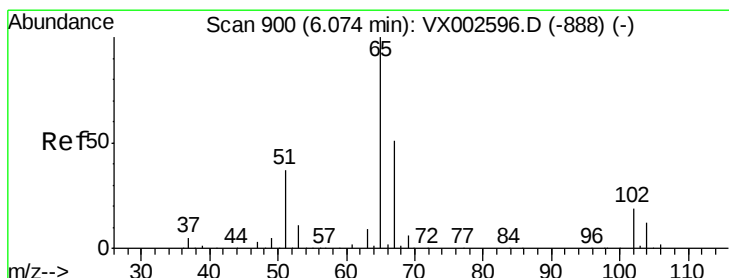
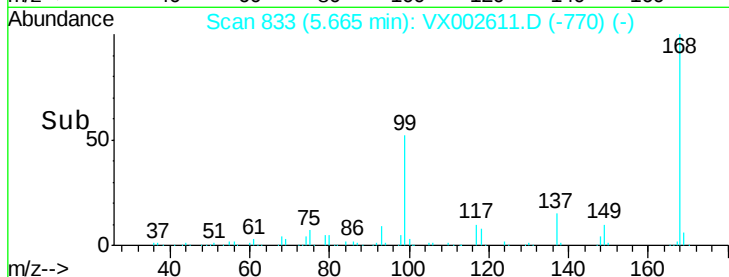
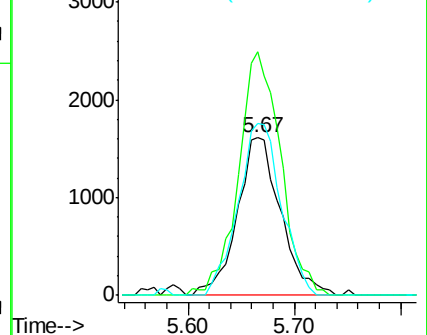
56 100

69 154.7 23.7 35.5#

84 108.9 64.1 96.1#



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: 45.57 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002611.D

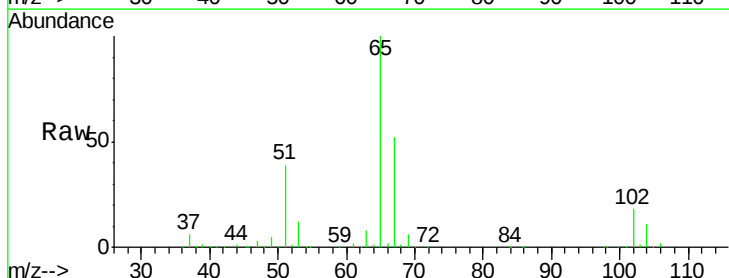
Acq: 15 Jun 2018 21:56

Tgt Ion: 65 Resp: 142037

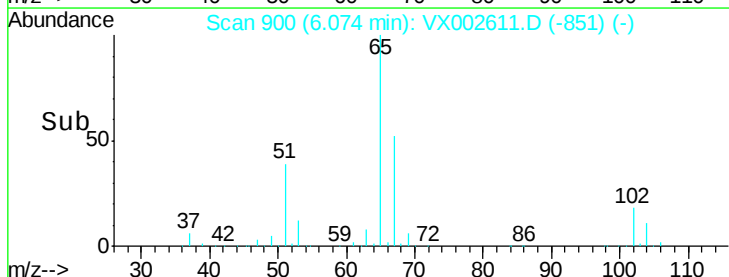
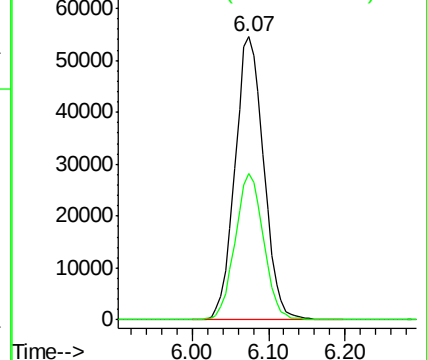
Ion Ratio Lower Upper

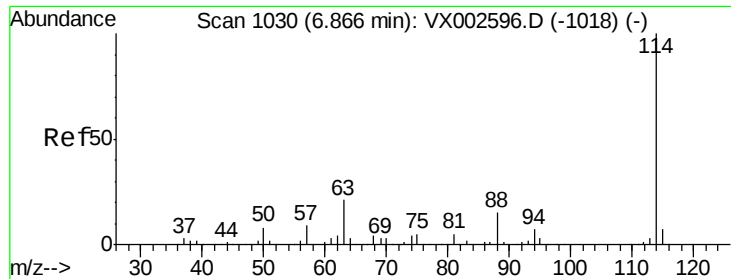
65 100

67 51.2 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# 1030

Delta R.T. 0.00 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

TB-061218

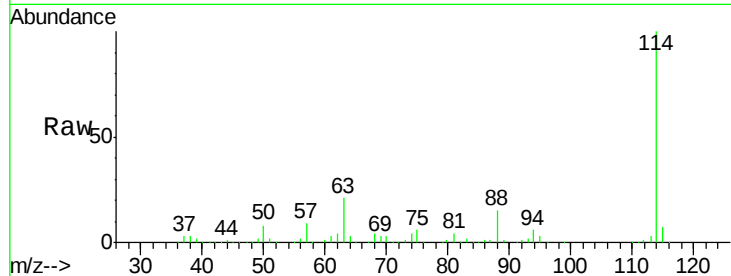
Tot Ion:114 Resp: 298845

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

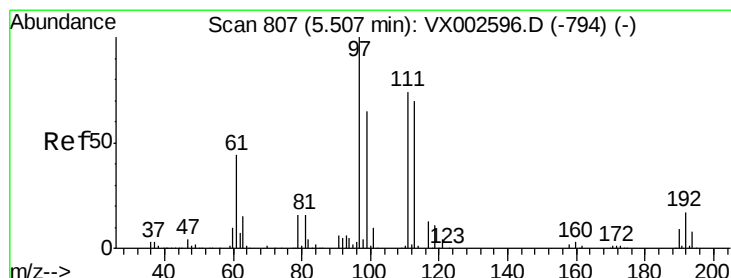
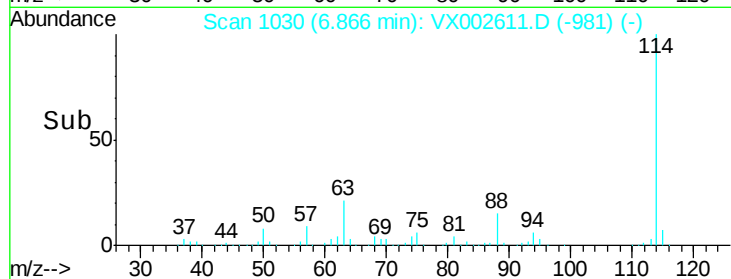
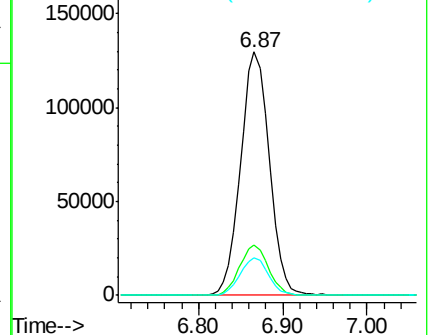
88 15.4 0.0 30.0



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: 44.93 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

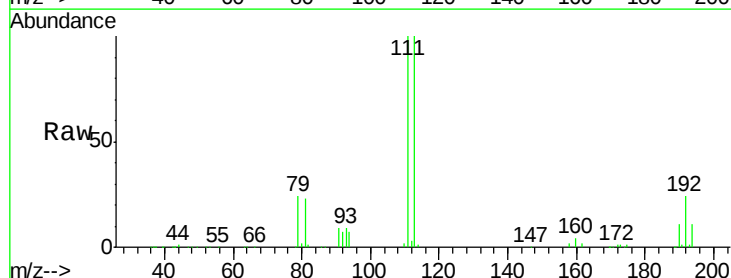
Tgt Ion:113 Resp: 107163

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

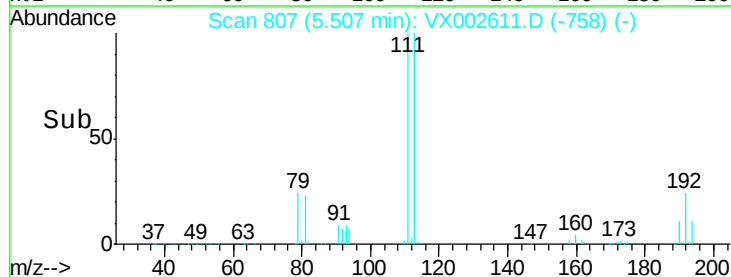
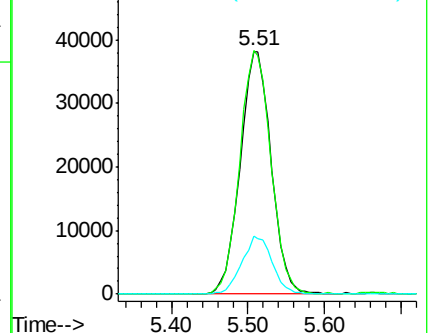
192 23.4 19.1 28.7

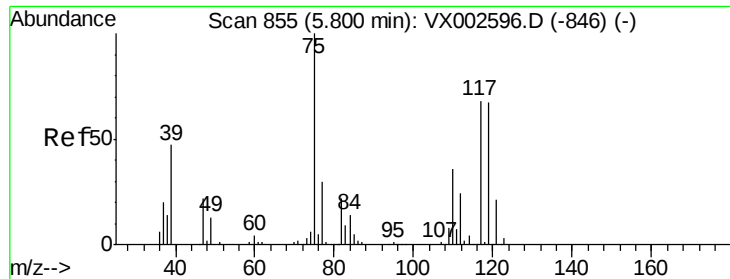


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

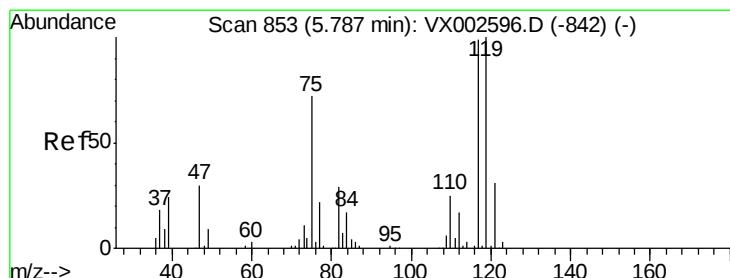
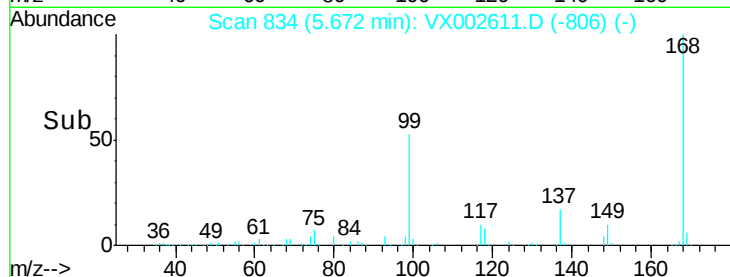
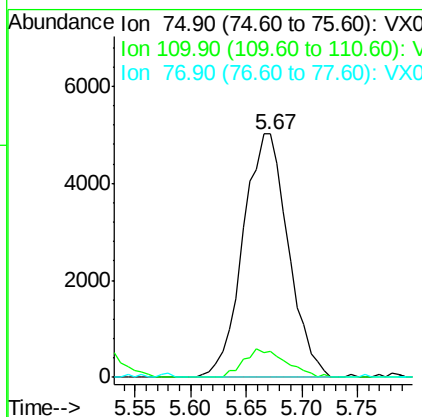
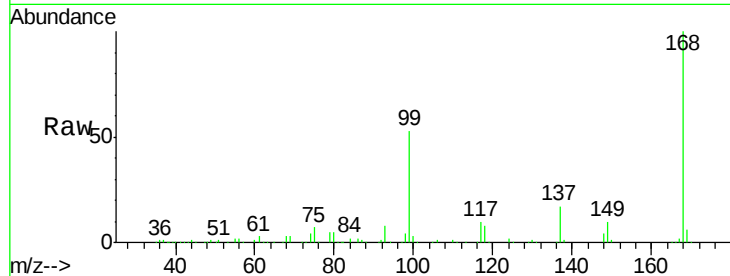




#36
 1,1-Dichloropropene
 Concen: 4.46 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002611.D
 Acq: 15 Jun 2018 21:56

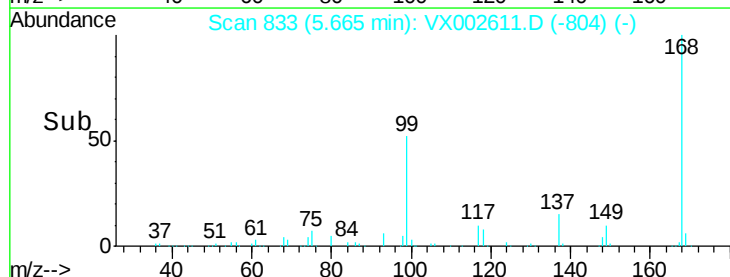
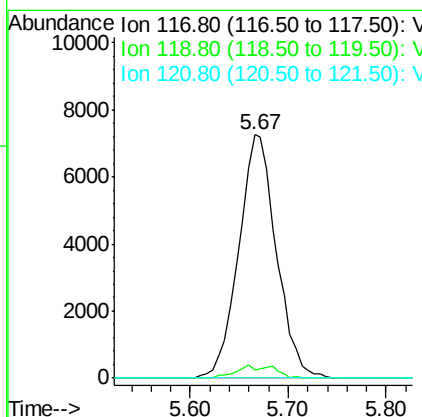
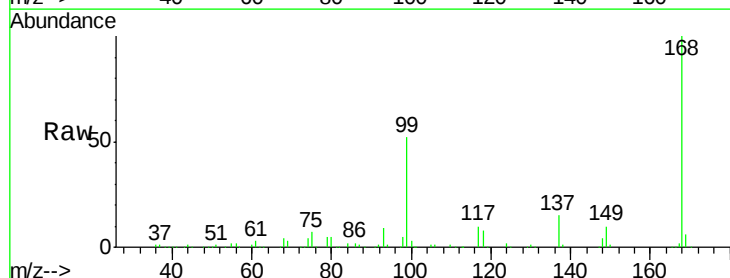
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-061218

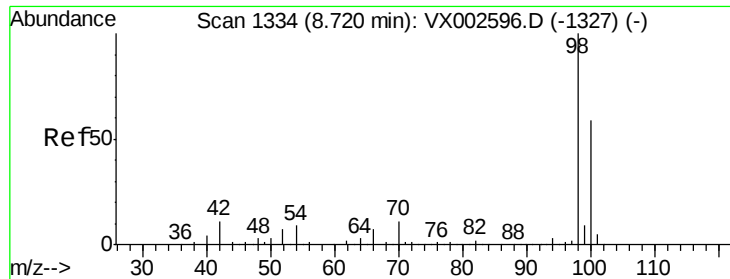
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.12 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002611.D
 Acq: 15 Jun 2018 21:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.4	116.0#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 47.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

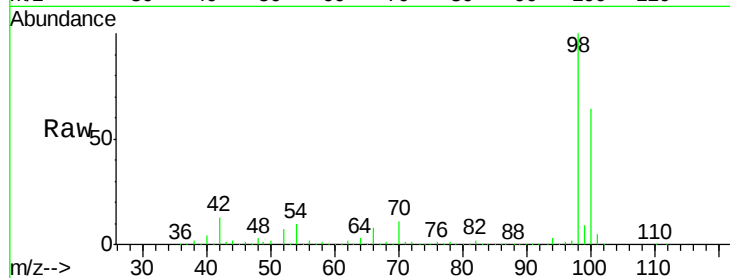
TB-061218

Tot Ion: 98 Resp: 428431

Ion Ratio Lower Upper

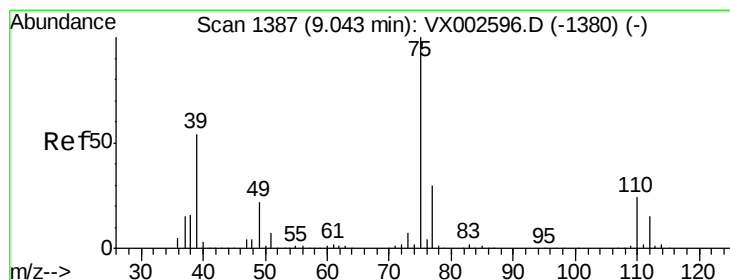
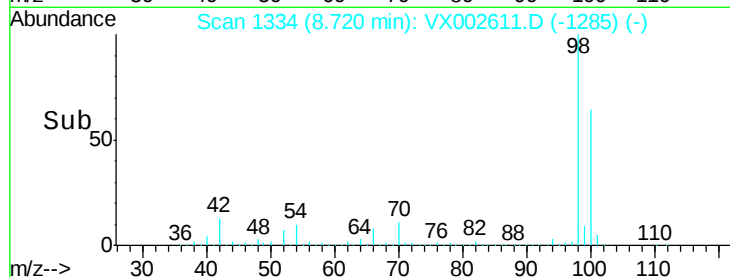
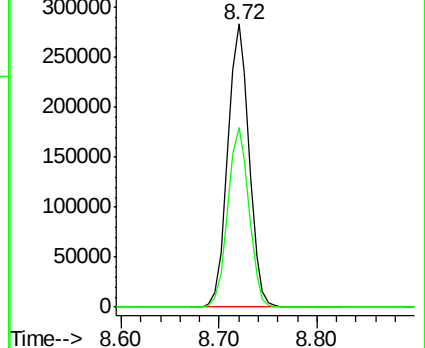
98 100

100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.23 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

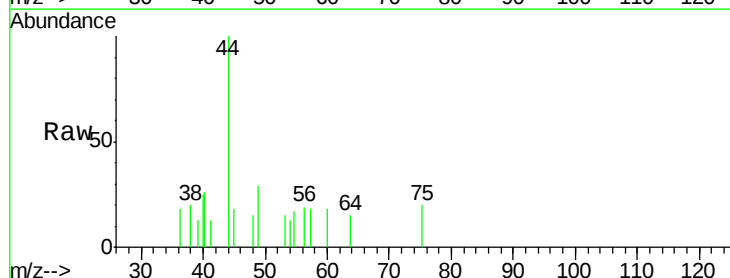
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

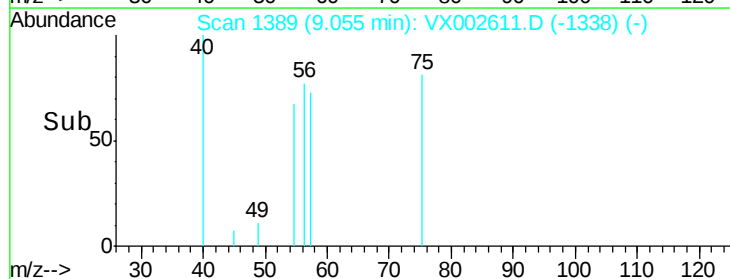
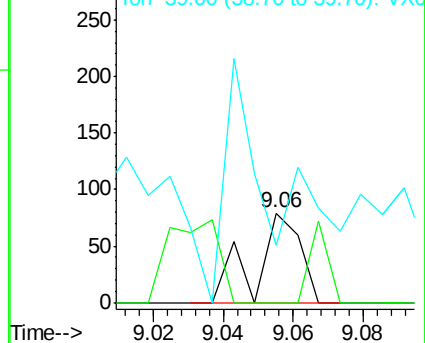
39 0.0 42.4 63.6#

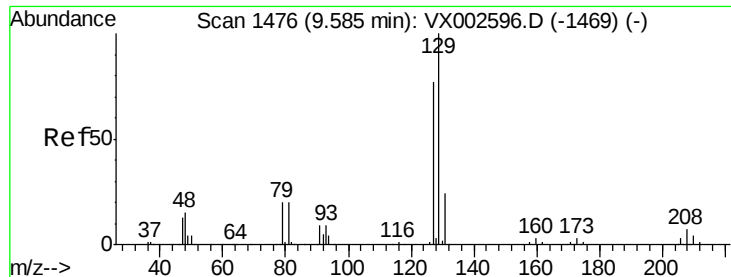


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.77 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.24 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampled :

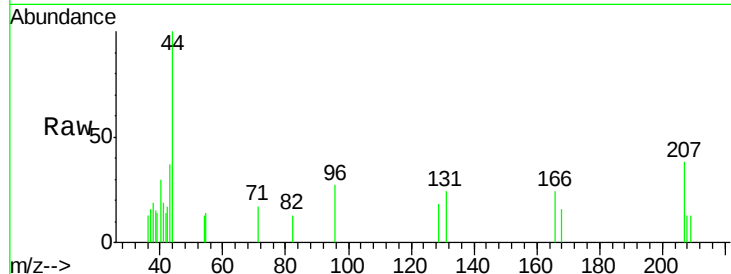
TB-061218

Tot Ion:129 Resp: 27

Ion Ratio Lower Upper

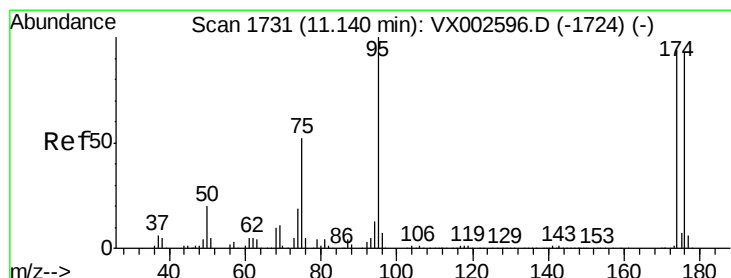
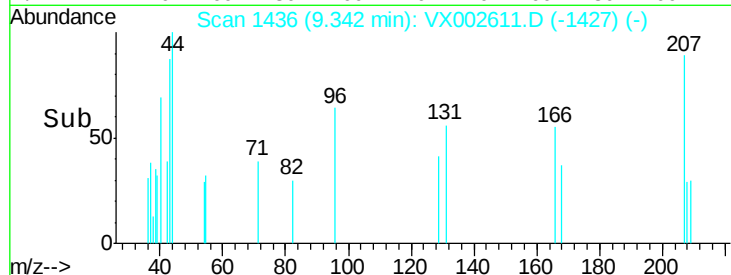
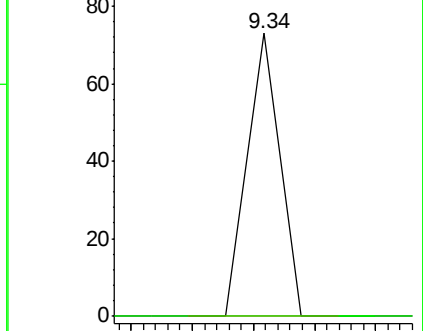
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

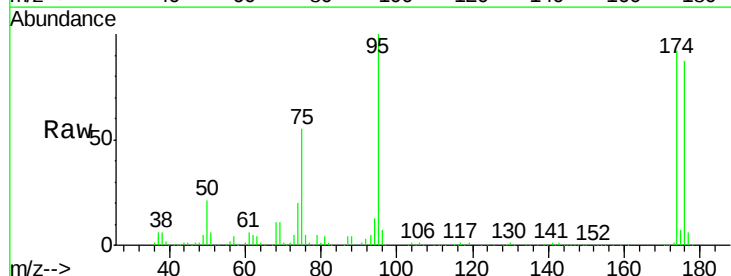
Tgt Ion: 95 Resp: 147570

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

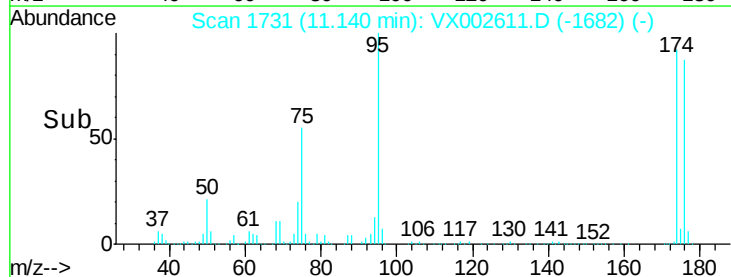
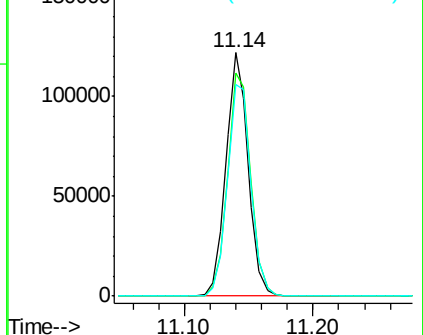
176 92.8 0.0 181.0

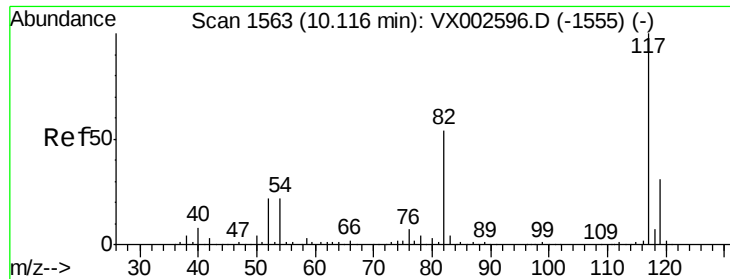


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1563

Delta R.T. 0.00 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampled :

TB-061218

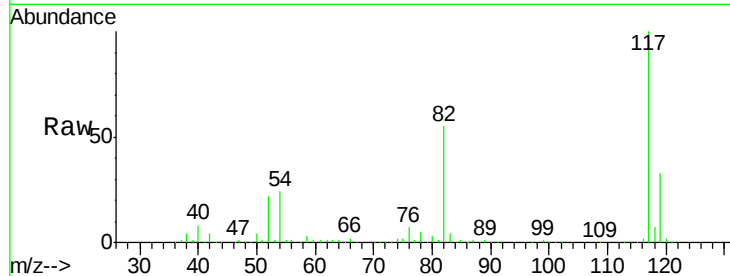
Tot Ion:117 Resp: 277190

Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.4

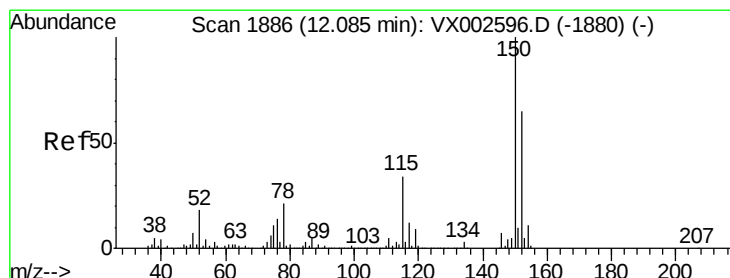
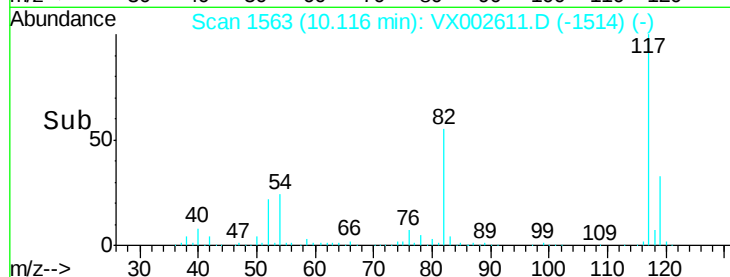
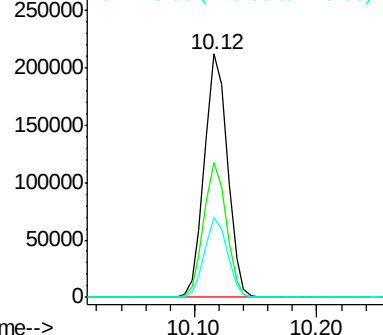
119 32.8 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

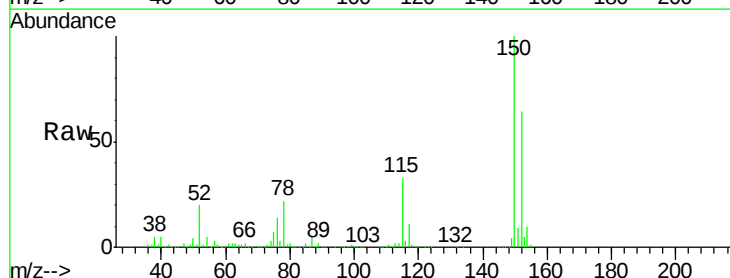
Tgt Ion:152 Resp: 152971

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

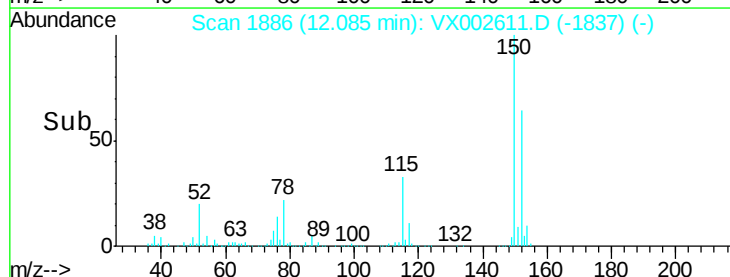
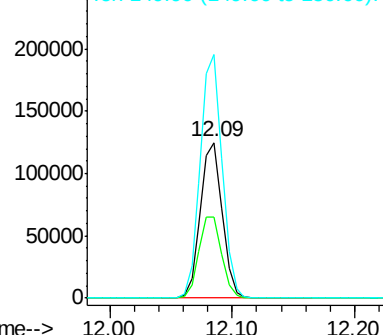
150 157.3 0.0 347.2

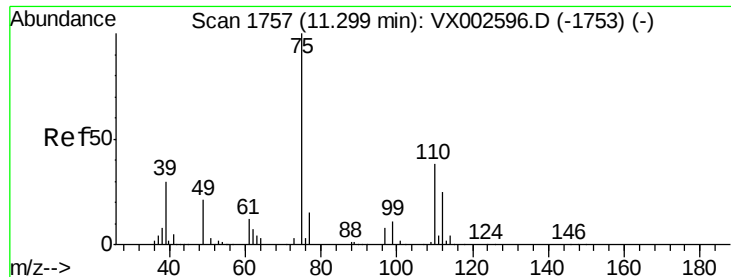


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

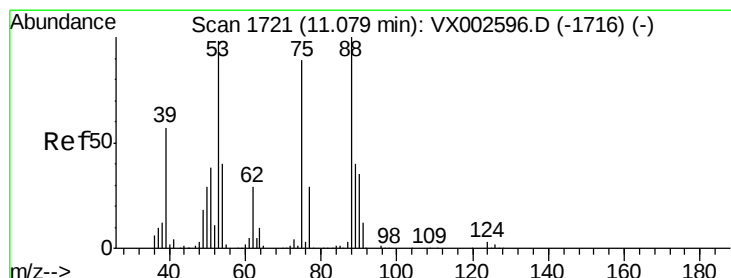
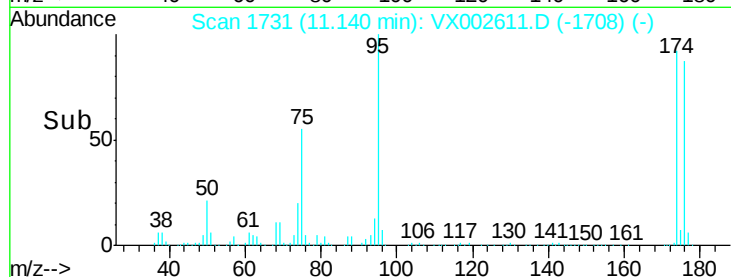
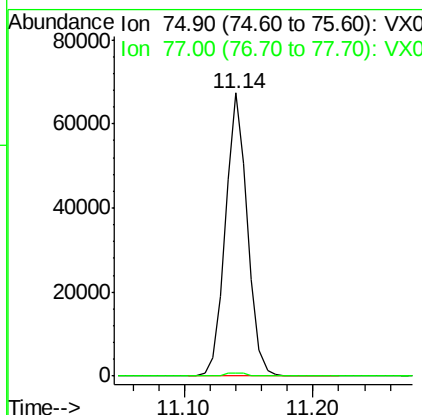
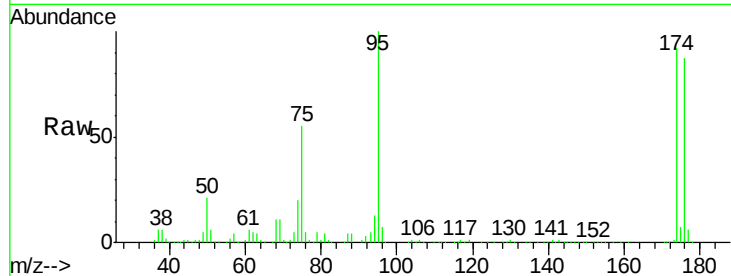




#76
 1,2,3-Trichloropropane
 Concen: 27.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002611.D
 Acq: 15 Jun 2018 21:56

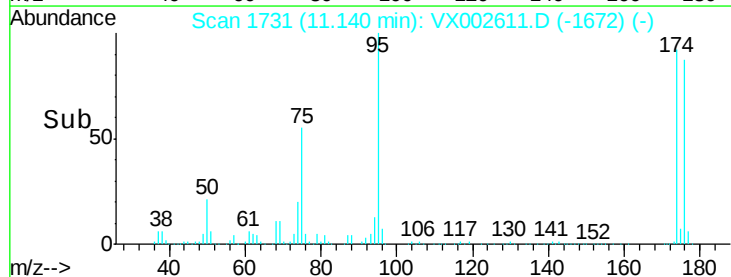
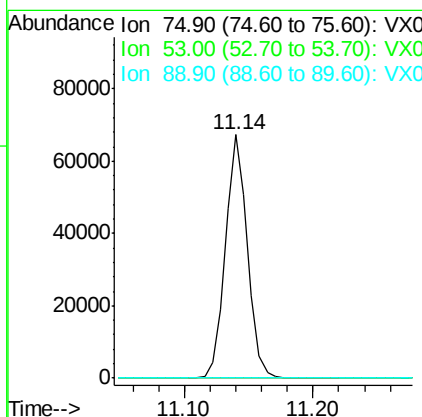
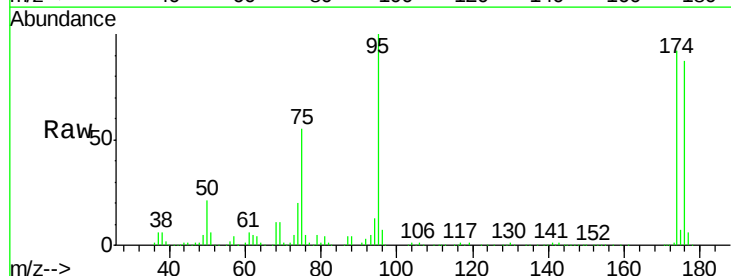
Instrument :
 MSVOA_X
 ClientSampled :
 TB-061218

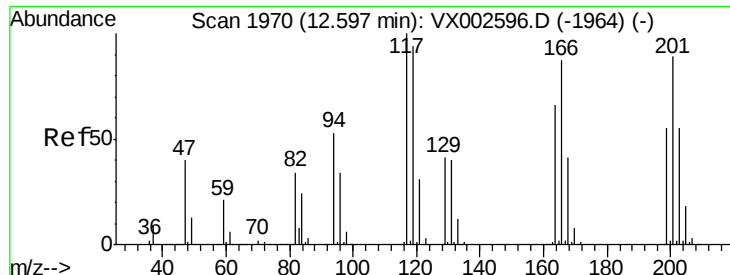
Tot Ion: 75 Resp: 80710
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.17 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002611.D
 Acq: 15 Jun 2018 21:56

Tgt Ion: 75 Resp: 80710
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.65 ug/l

RT: 12.37 min Scan# 1933

Delta R.T. -0.23 min

Lab File: VX002611.D

Acq: 15 Jun 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

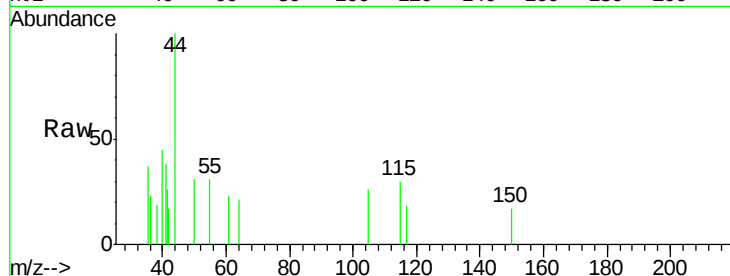
TB-061218

Tot Ion:117 Resp: 39

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

