

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003997.D
 Acq On : 13 Aug 2018 13:55
 Operator : JC/MD
 Sample : J4429-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-TB-2018-6

Quant Time: Aug 14 03:07:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	519084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	460693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252439	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	225130	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	5.51	113	194944	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.72	98	735511	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.14	95	245701	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

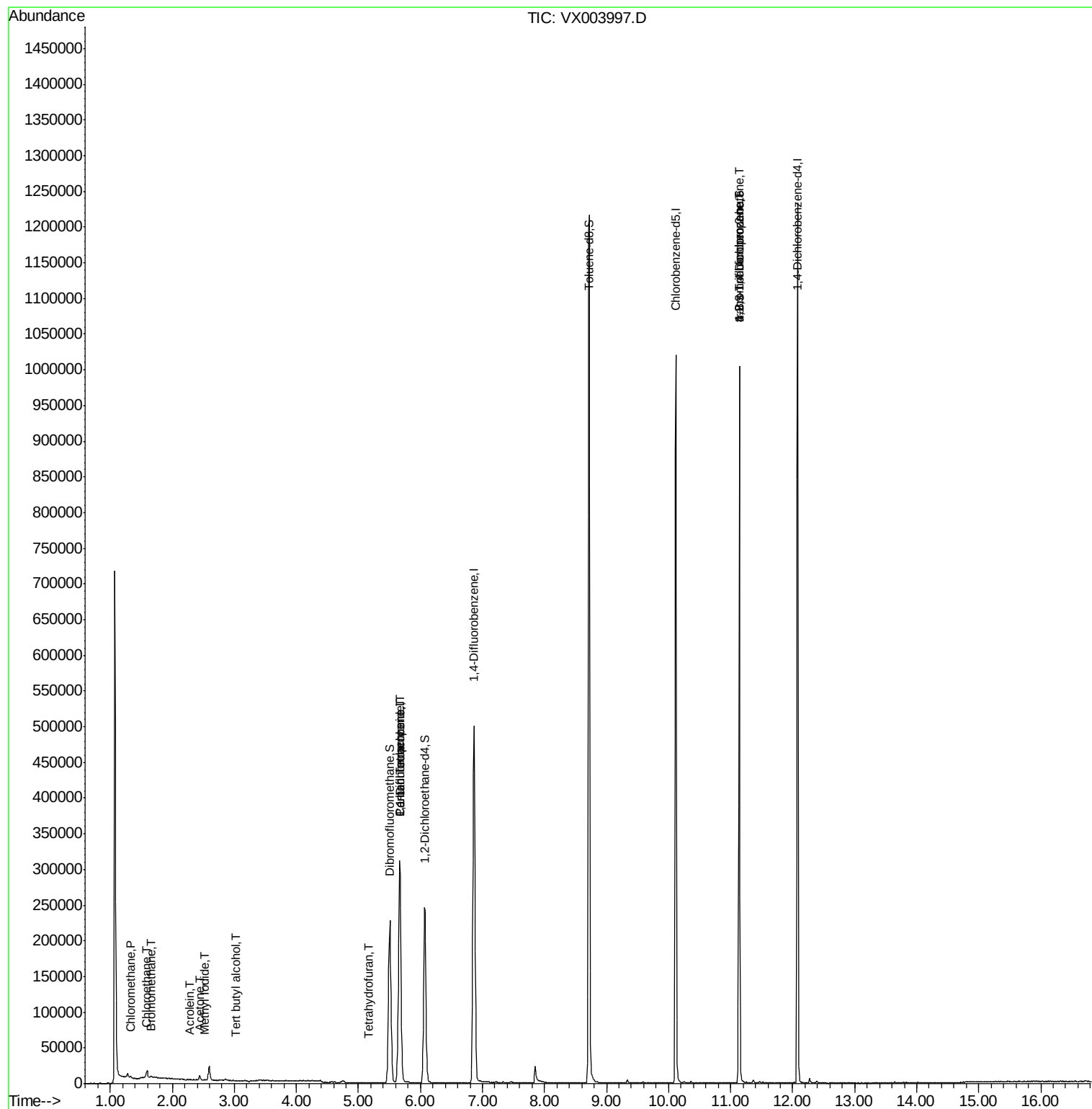
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	882	0.20	ug/l	93
5) Bromomethane	1.65	94	1182	0.43	ug/l	89
6) Chloroethane	1.58	64	2860	1.03	ug/l #	42
10) Methyl Iodide	2.52	142	1188	0.27	ug/l	93
11) Tert butyl alcohol	3.02	59	266	0.26	ug/l #	73
13) Acrolein	2.29	56	155	0.28	ug/l #	70
16) Acetone	2.44	43	5939	2.39	ug/l	98
29) Tetrahydrofuran	5.16	42	589	0.31	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	21097	3.63	ug/l #	49
38) Carbon Tetrachloride	5.67	117	28029	5.07	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	120615	21.63	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	120615	65.93	ug/l #	9

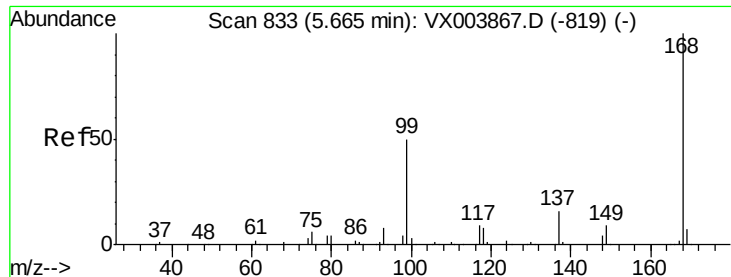
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

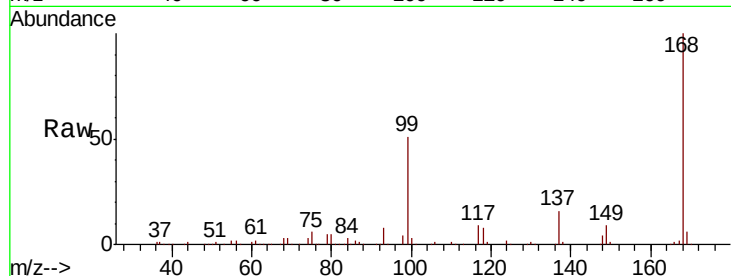
FL-TB-2018-6

Tot Ion:168 Resp: 315215

Ion Ratio Lower Upper

168 100

99 51.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

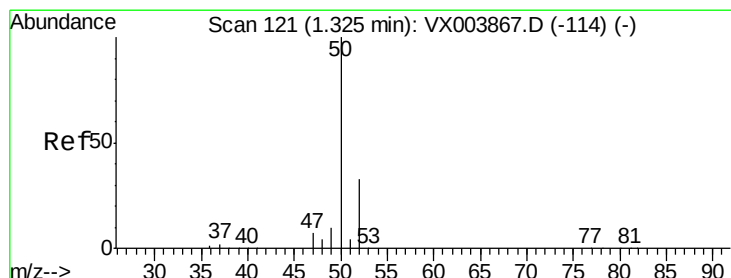
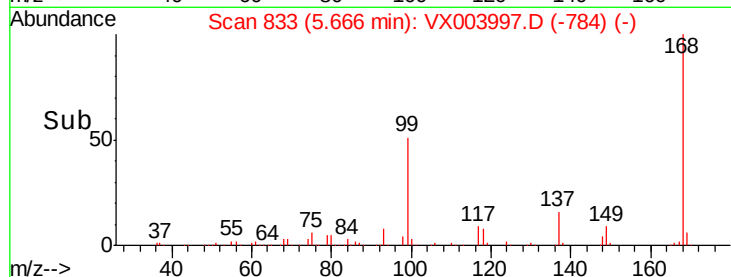
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003997.D

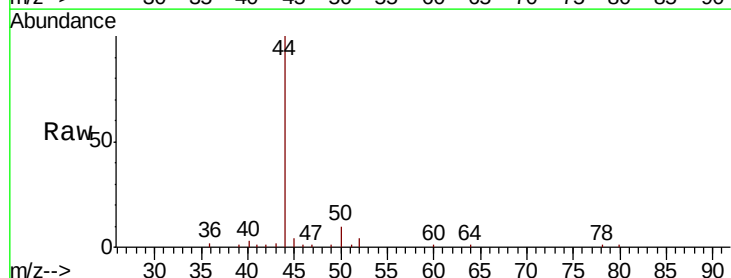
Acq: 13 Aug 2018 13:55

Tgt Ion: 50 Resp: 882

Ion Ratio Lower Upper

50 100

52 37.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

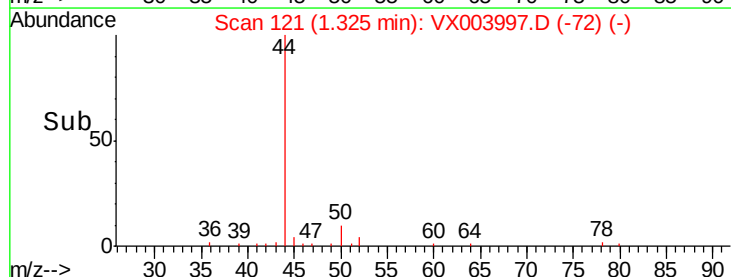
600

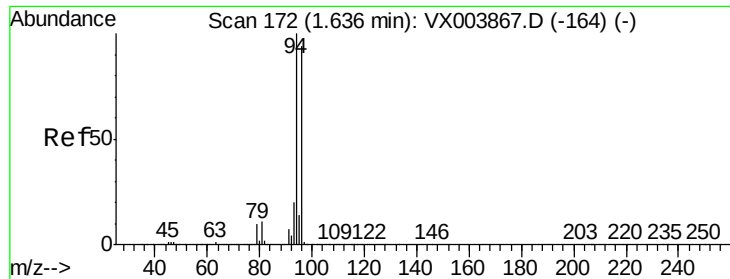
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.43 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

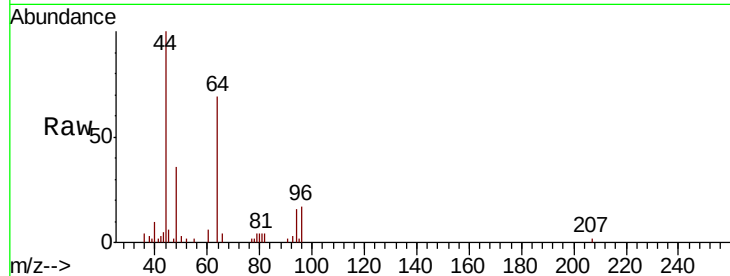
FL-TB-2018-6

Tot Ion: 94 Resp: 1182

Ion Ratio Lower Upper

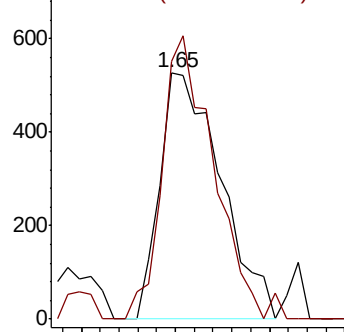
94 100

96 104.7 75.2 112.8

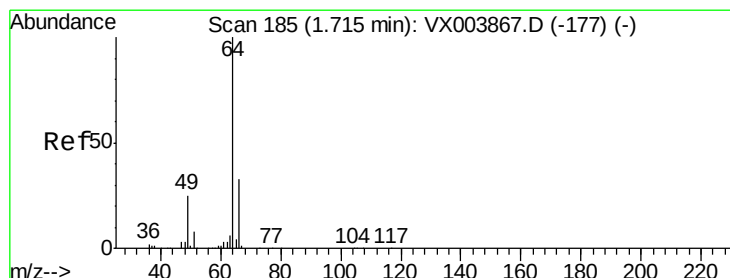
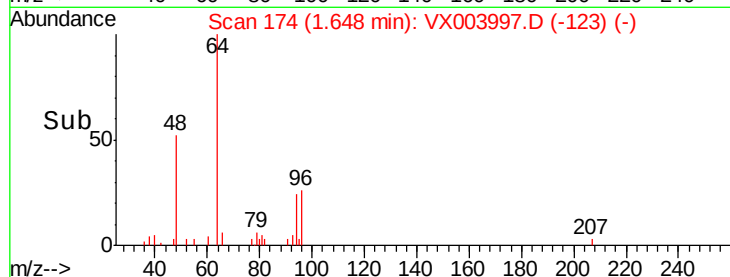


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 1.03 ug/l

RT: 1.58 min Scan# 163

Delta R.T. -0.13 min

Lab File: VX003997.D

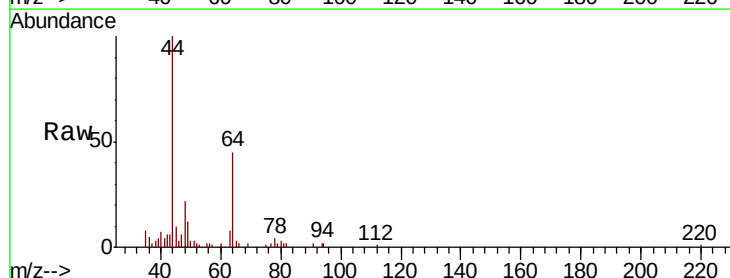
Acq: 13 Aug 2018 13:55

Tgt Ion: 64 Resp: 2860

Ion Ratio Lower Upper

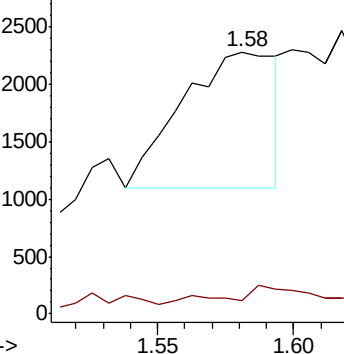
64 100

66 0.0 26.5 39.7#

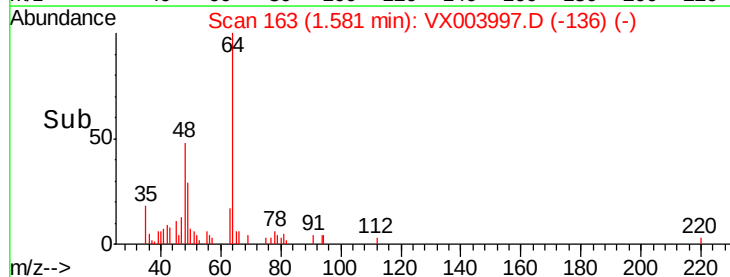


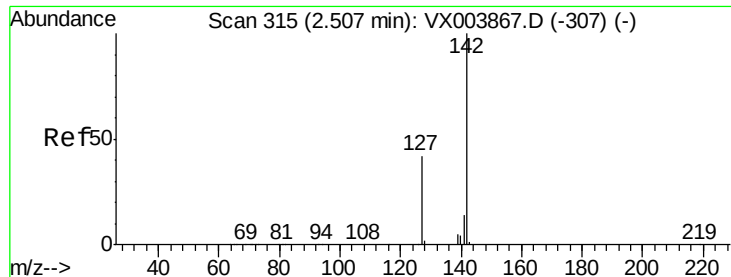
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

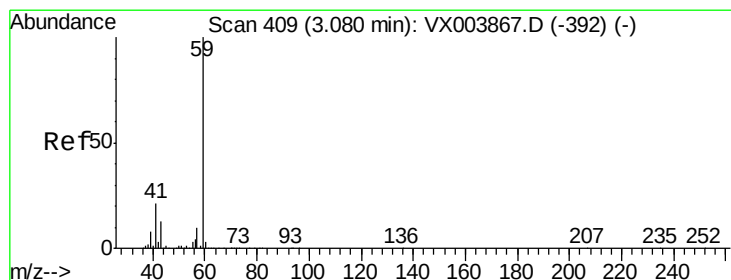
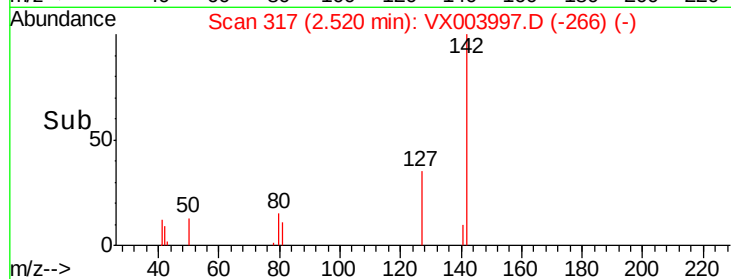
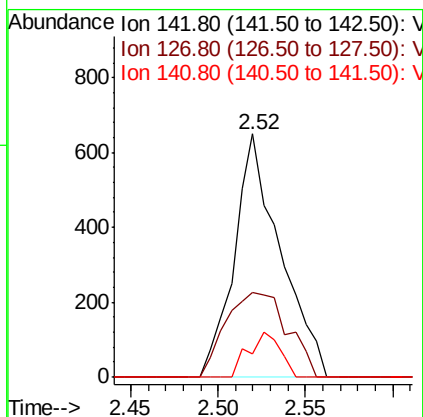
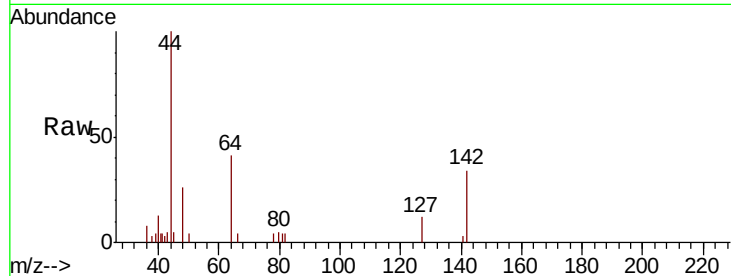




#10
Methyl Iodide
Concen: 0.27 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003997.D
Acq: 13 Aug 2018 13:55

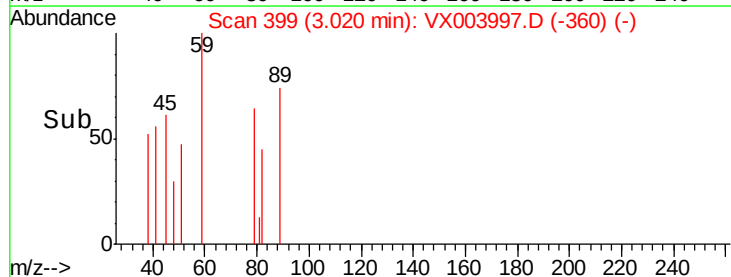
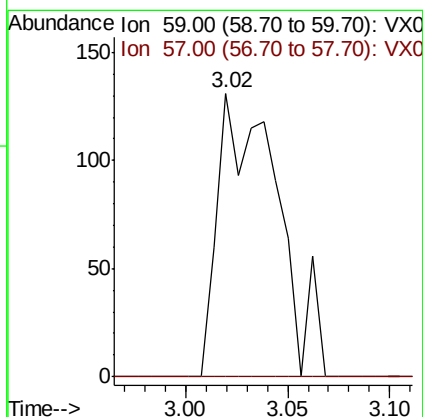
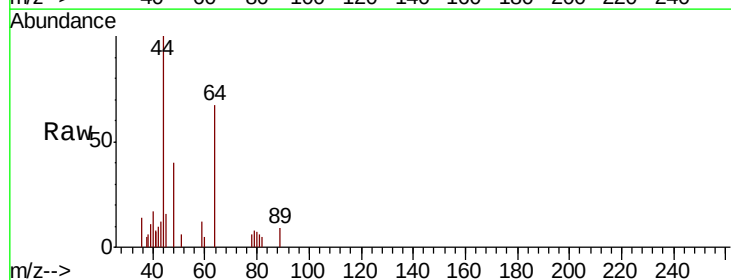
Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-6

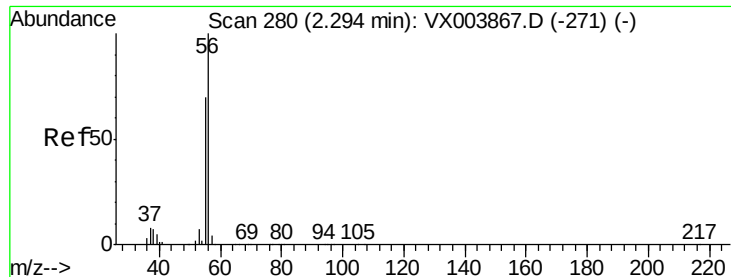
Tot Ion:142 Resp: 1188
Ion Ratio Lower Upper
142 100
127 46.8 33.1 49.7
141 12.9 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX003997.D
Acq: 13 Aug 2018 13:55

Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.28 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

Instrument :

MSVOA_X

ClientSampled :

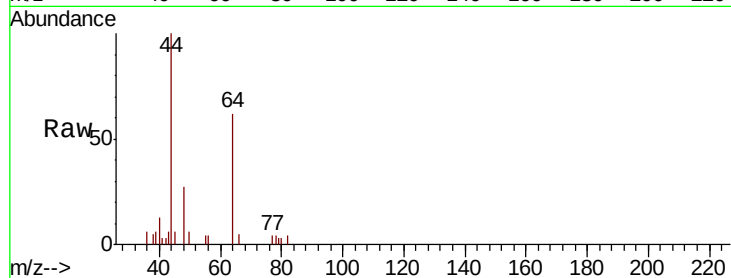
FL-TB-2018-6

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

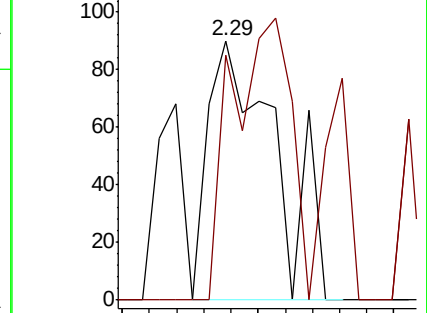
56 100

55 94.8 56.1 84.1#

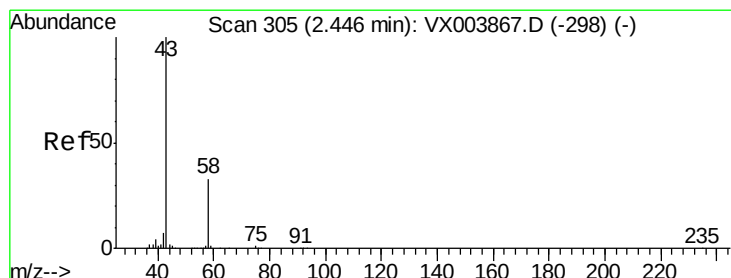
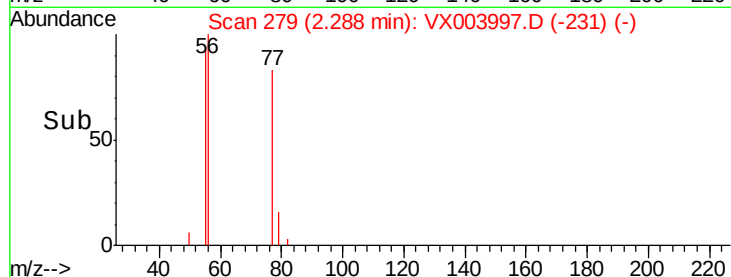


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.39 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003997.D

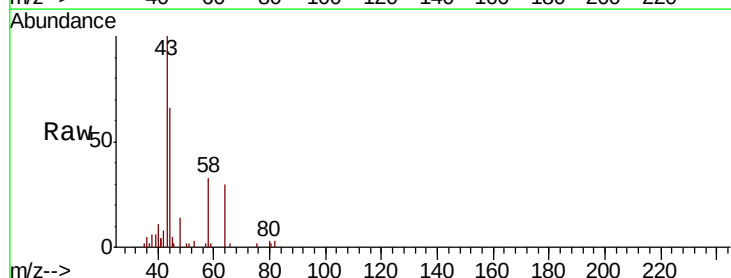
Acq: 13 Aug 2018 13:55

Tgt Ion: 43 Resp: 5939

Ion Ratio Lower Upper

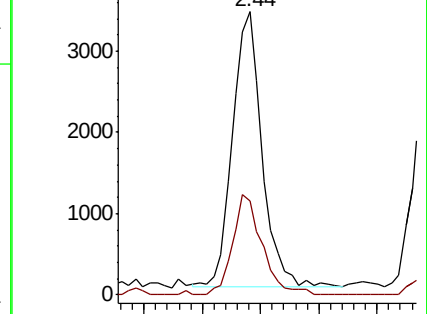
43 100

58 34.1 26.4 39.6

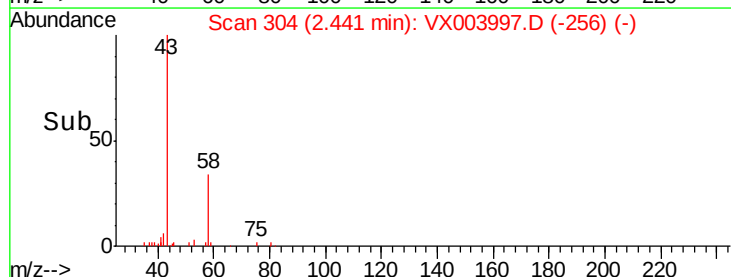


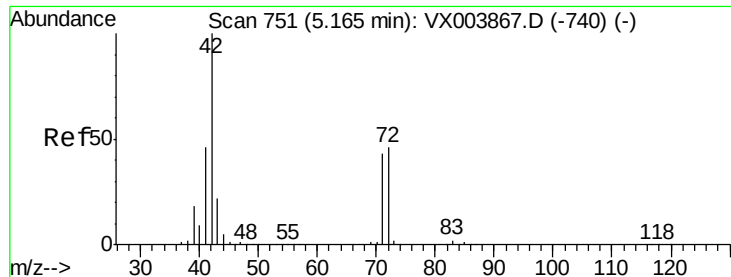
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

FL-TB-2018-6

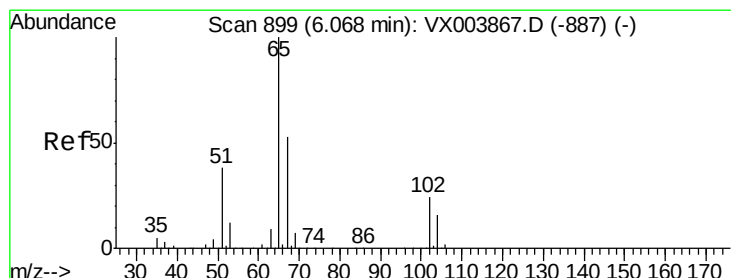
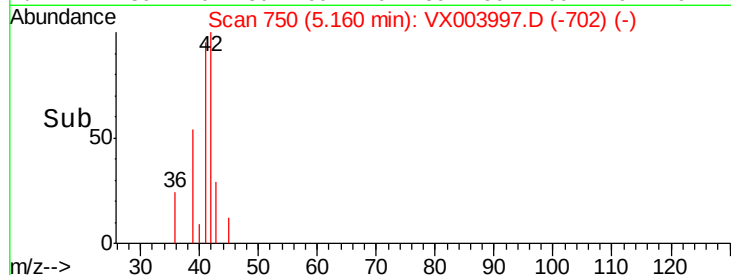
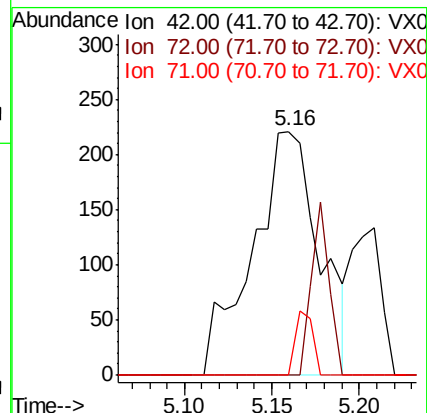
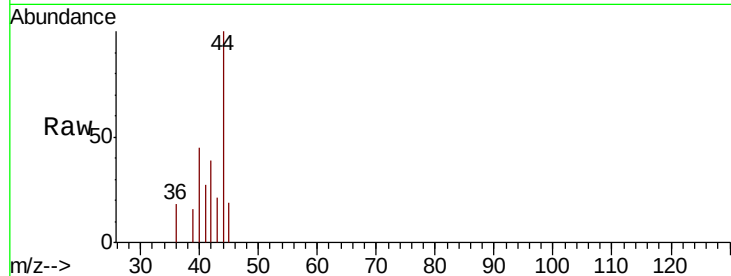
Tot Ion: 42 Resp: 589

Ion Ratio Lower Upper

42 100

72 19.2 37.7 56.5#

71 6.8 35.0 52.6#



#33

1,2-Dichloroethane-d4

Concen: 53.88 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003997.D

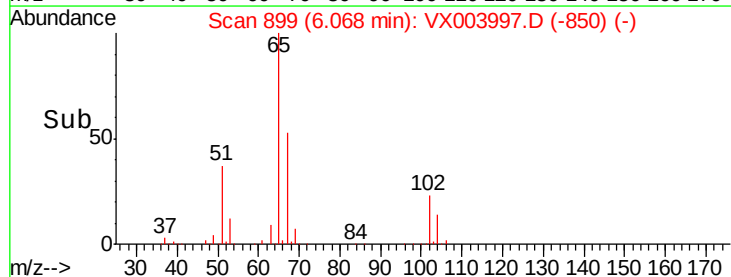
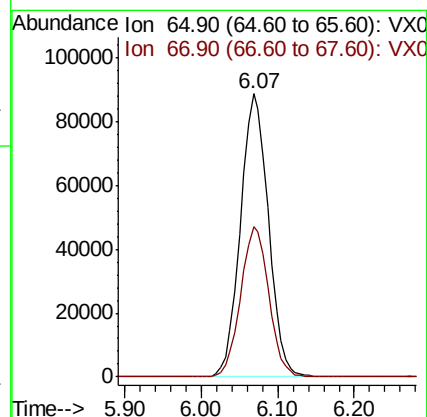
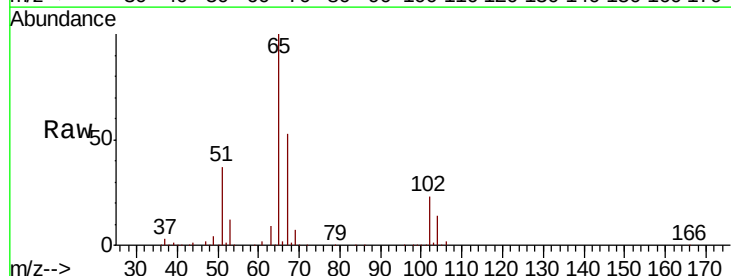
Acq: 13 Aug 2018 13:55

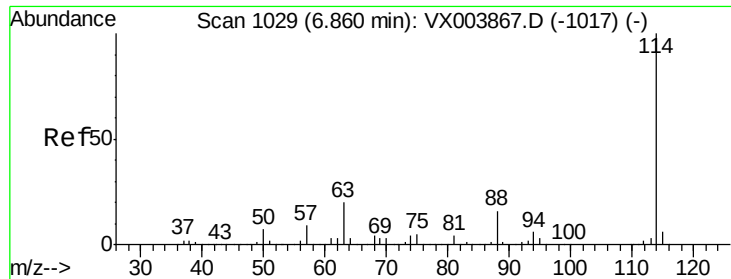
Tgt Ion: 65 Resp: 225130

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8

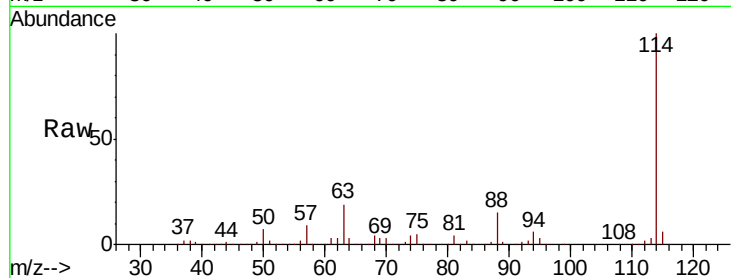




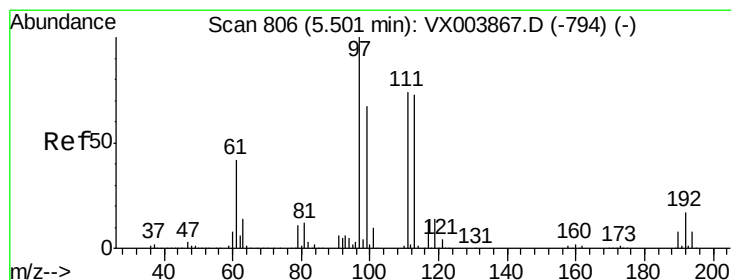
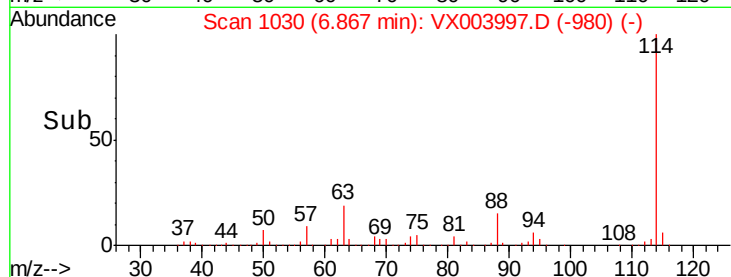
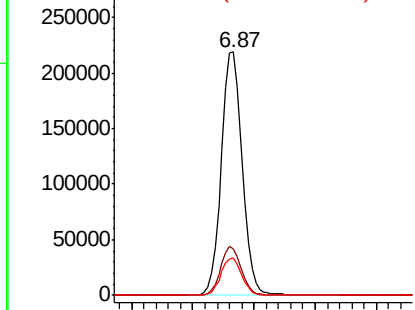
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VX003997.D
Acq: 13 Aug 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-6

Tot Ion:114 Resp: 519084
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.0
88 15.4 0.0 32.0

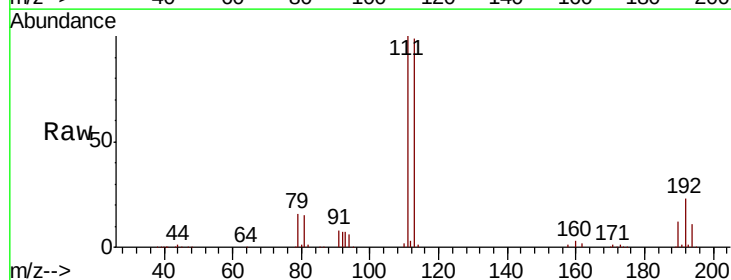


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

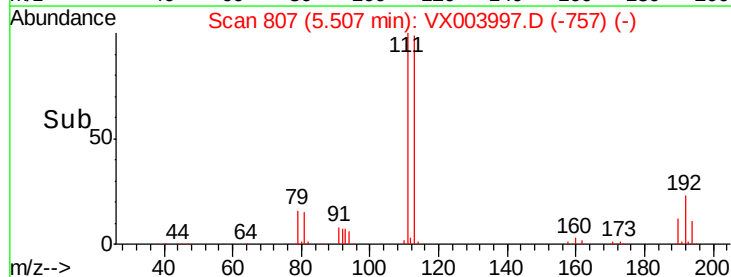
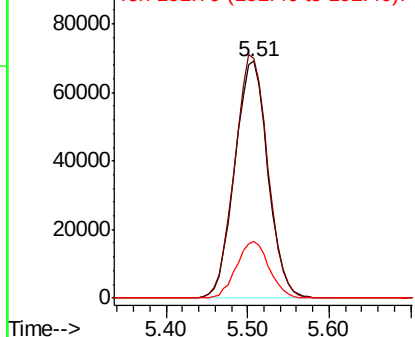


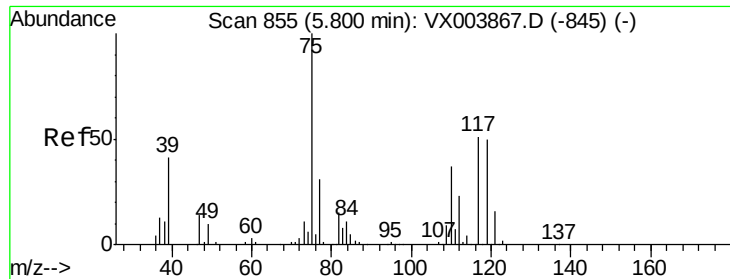
#35
Dibromofluoromethane
Concen: 49.57 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003997.D
Acq: 13 Aug 2018 13:55

Tgt Ion:113 Resp: 194944
Ion Ratio Lower Upper
113 100
111 102.4 82.0 123.0
192 23.5 19.0 28.4



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

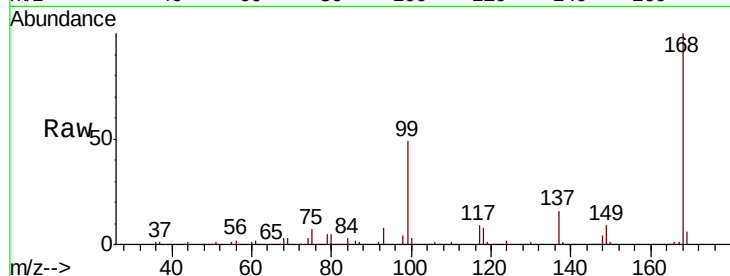




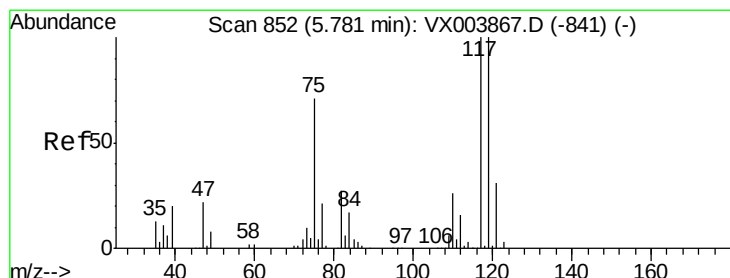
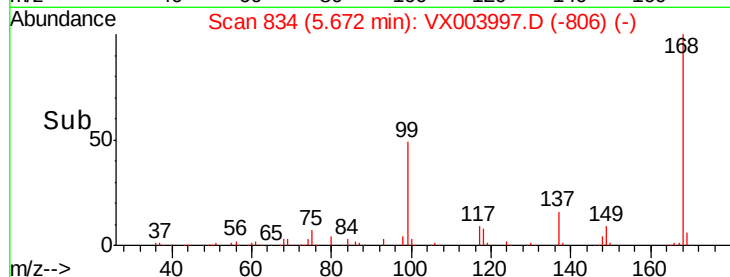
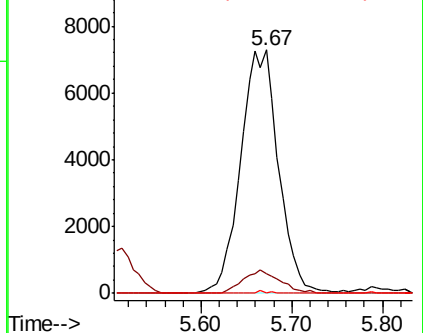
#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003997.D
 Acq: 13 Aug 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-TB-2018-6

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.2	54.6#
77	0.2	25.0	37.4#

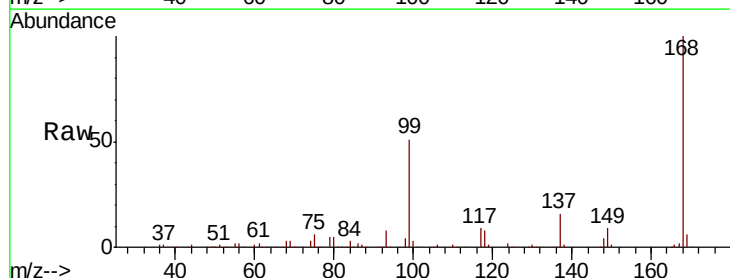


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

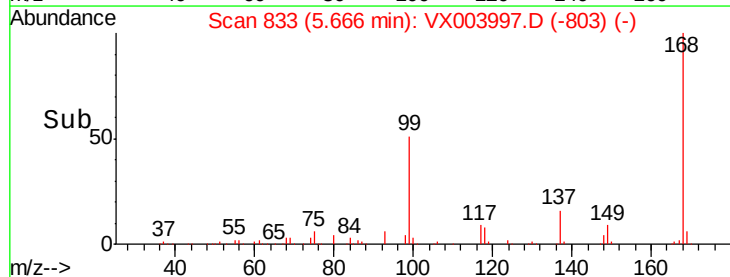
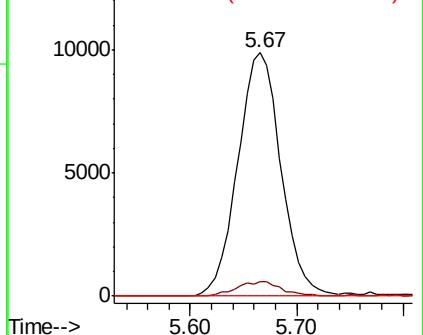


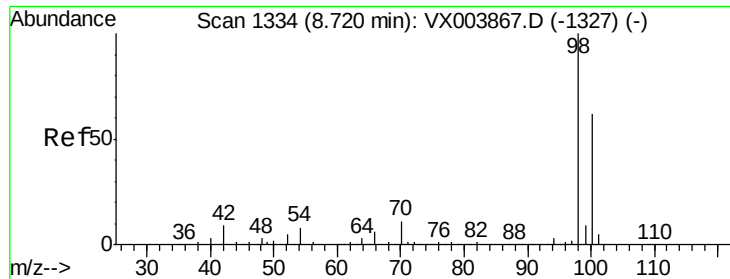
#38
 Carbon Tetrachloride
 Concen: 5.07 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003997.D
 Acq: 13 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	79.5	119.3#
121	0.0	25.0	37.4#



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: 48.10 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

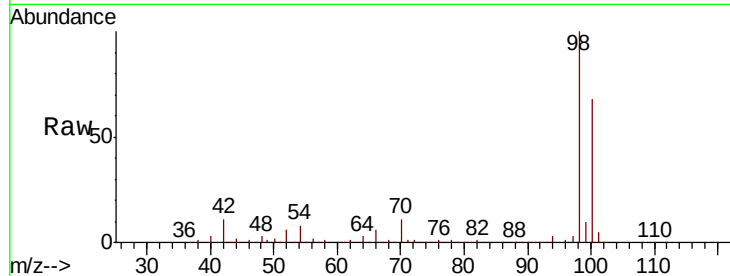
FL-TB-2018-6

Tot Ion: 98 Resp: 73511

Ion Ratio Lower Upper

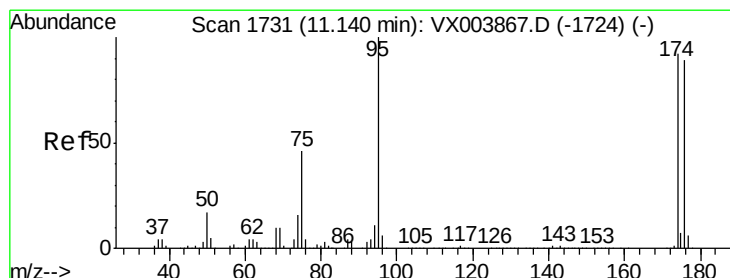
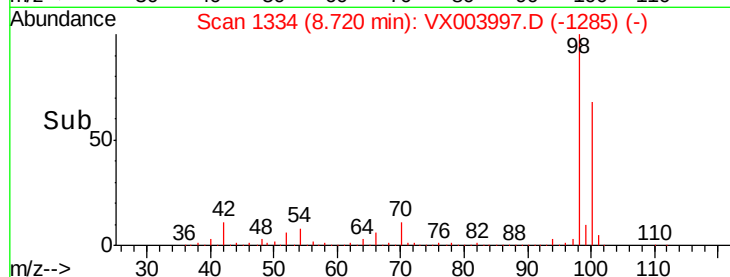
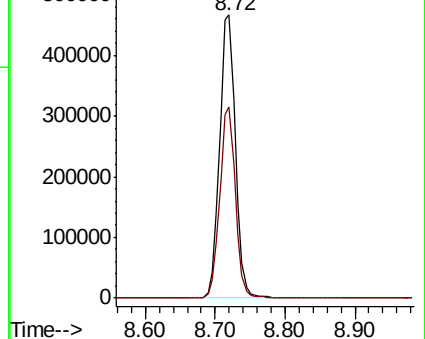
98 100

100 66.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 49.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

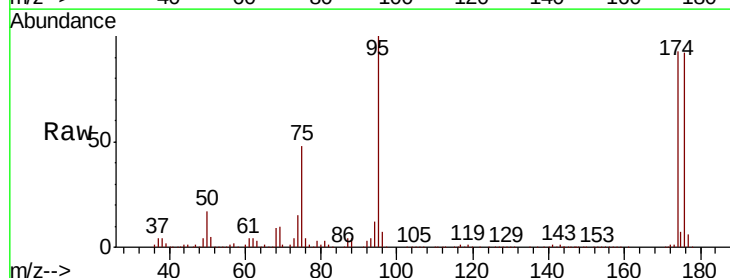
Tgt Ion: 95 Resp: 245701

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

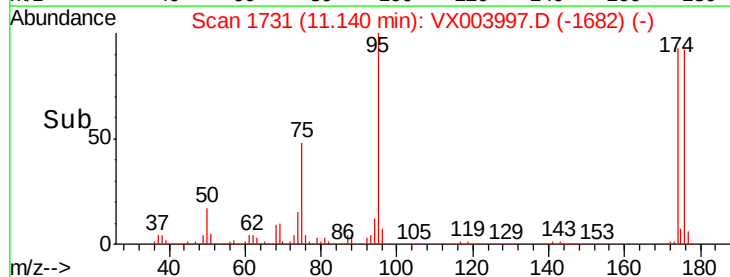
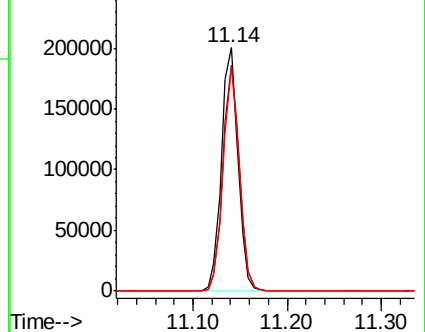
176 89.8 0.0 179.0

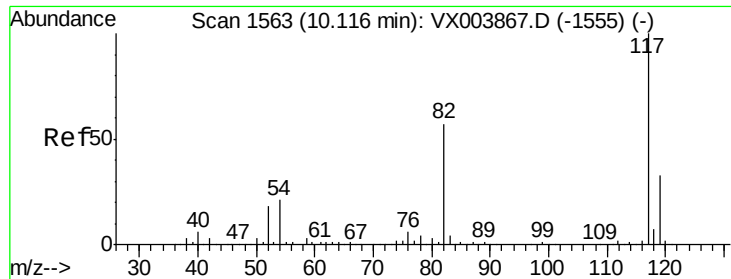


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

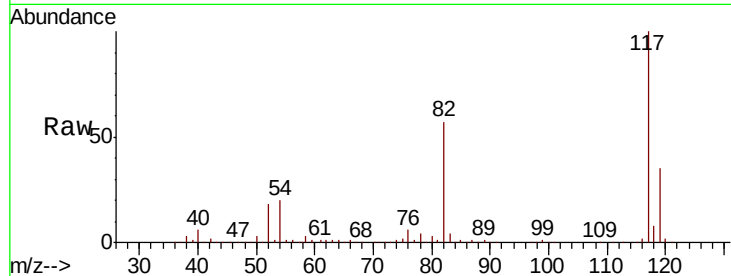




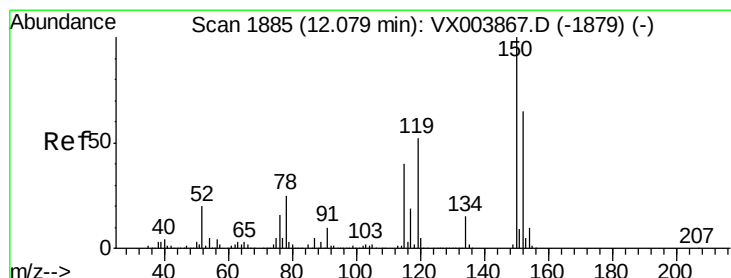
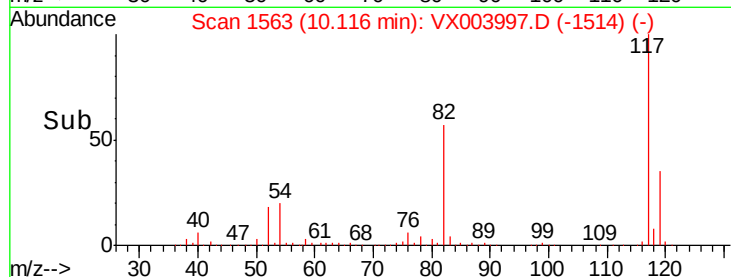
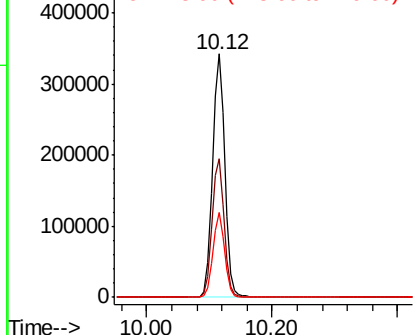
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003997.D
Acq: 13 Aug 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-6

Tot Ion:117 Resp: 460693
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 34.9 26.6 40.0

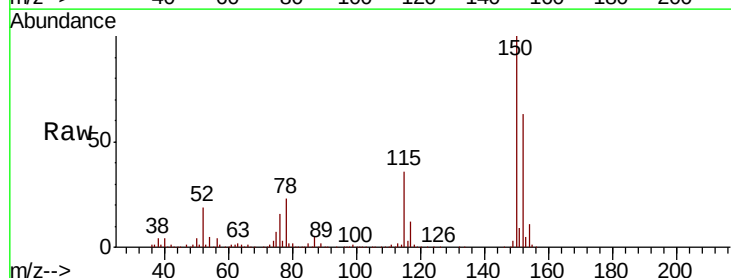


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

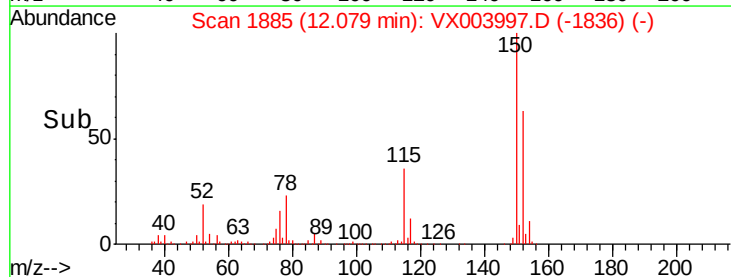
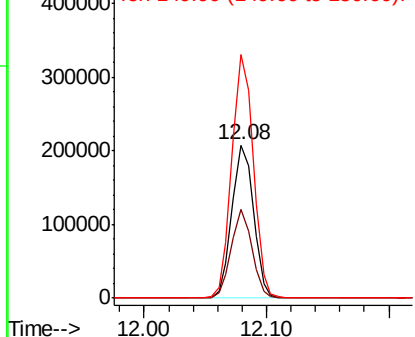


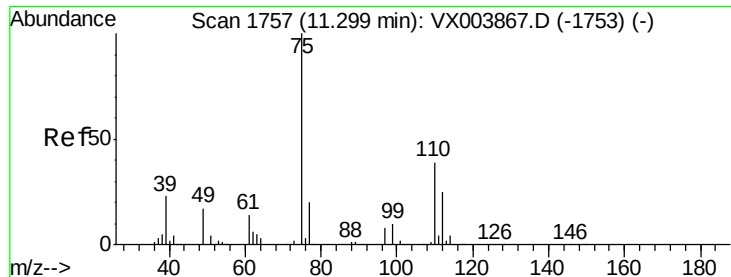
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003997.D
Acq: 13 Aug 2018 13:55

Tgt Ion:152 Resp: 252439
Ion Ratio Lower Upper
152 100
115 55.5 39.1 117.3
150 158.3 0.0 349.2



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: 21.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

Instrument :

MSVOA_X

ClientSampled :

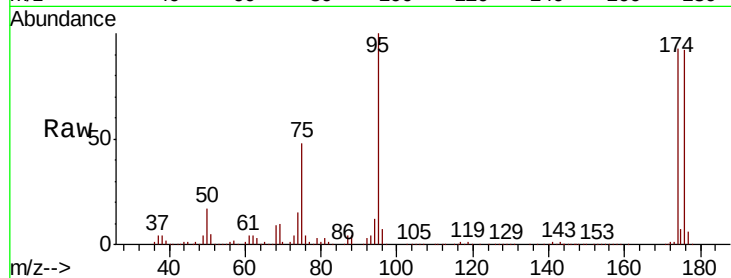
FL-TB-2018-6

Tot Ion: 75 Resp: 120615

Ion Ratio Lower Upper

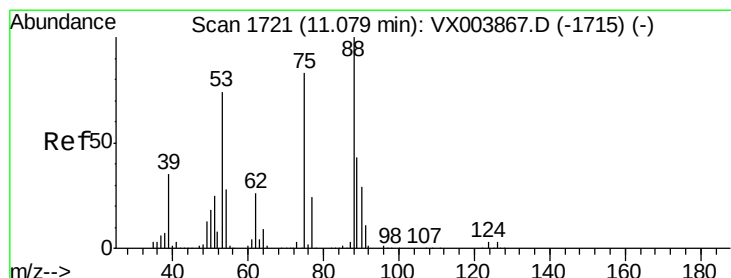
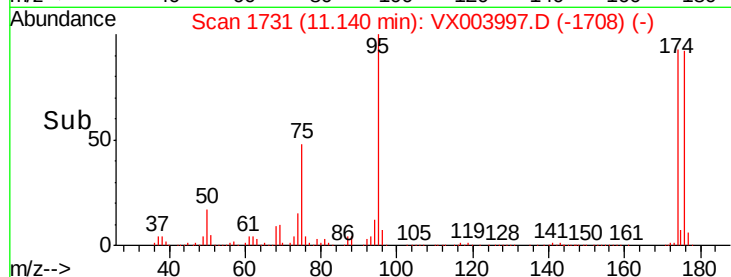
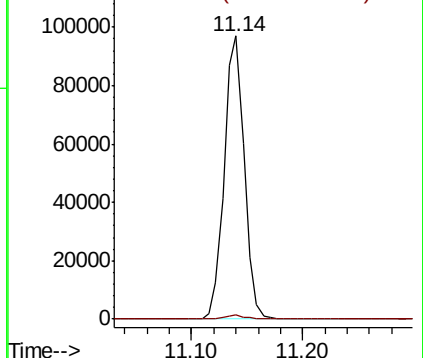
75 100

77 1.3 20.8 62.5#



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: 65.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003997.D

Acq: 13 Aug 2018 13:55

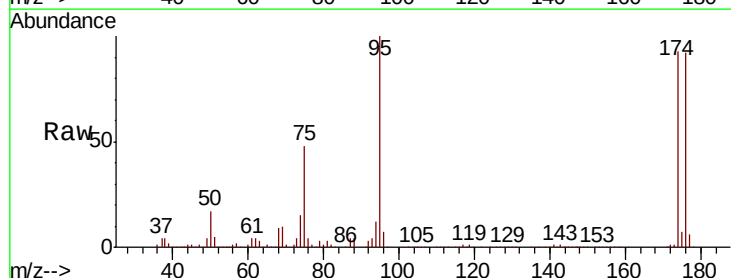
Tgt Ion: 75 Resp: 120615

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

