

Data File : VX004202.D
Acq On : 22 Aug 2018 16:50
Operator : JC/MD
Sample : J4579-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-7

Quant Time: Aug 23 05:49:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	287504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	198940	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	5.50	113	172557	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	8.71	98	643907	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.14	95	222570	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

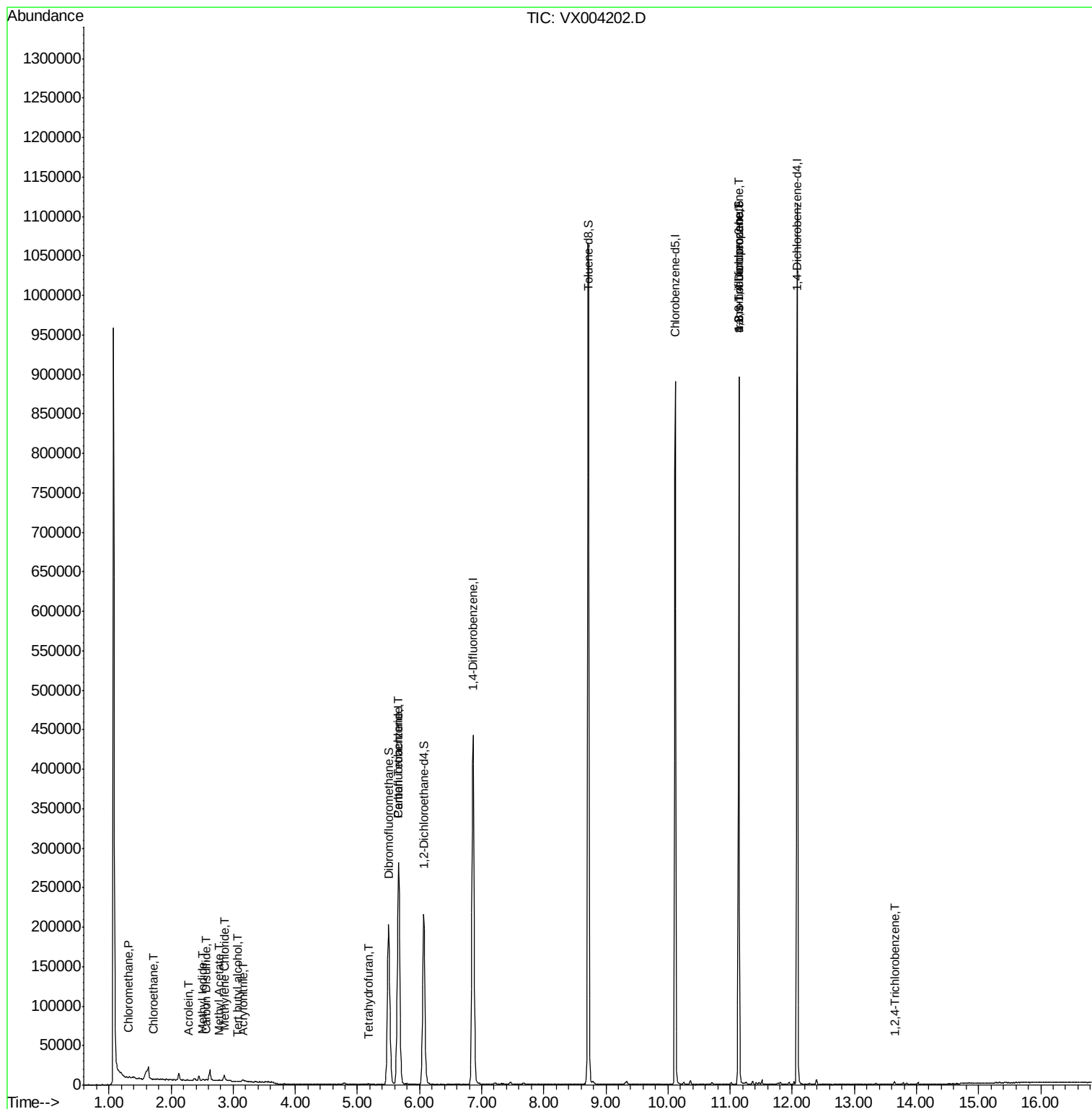
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	1719	0.754 ug/l		93
5) Bromomethane	1.64	94	1898	Below Cal		87
6) Chloroethane	1.72	64	1356	1.414 ug/l #		62
10) Methyl Iodide	2.51	142	1743	4.702 ug/l		91
11) Tert butyl alcohol	3.07	59	378	0.473 ug/l #		72
13) Acrolein	2.29	56	126	0.654 ug/l #		16
15) Acrylonitrile	3.15	53	594	0.300 ug/l #		80
16) Acetone	2.45	43	5669	Below Cal		98
17) Carbon Disulfide	2.56	76	2644	1.106 ug/l		95
18) Methyl Acetate	2.78	43	1310	0.236 ug/l		95
20) Methylene Chloride	2.86	84	2962	0.821 ug/l		95
25) 2-Butanone	4.71	43	1327	Below Cal #		80
29) Tetrahydrofuran	5.17	42	887	0.551 ug/l #		72
38) Carbon Tetrachloride	5.67	117	25975	5.450 ug/l #		15
76) 1,2,3-Trichloropropane	11.14	75	107828	22.611 ug/l #		37
81) trans-1,4-Dichloro-2-buten	11.14	75	107828	73.364 ug/l #		10
93) 1,2,4-Trichlorobenzene	13.65	180	1149	0.212 ug/l		91

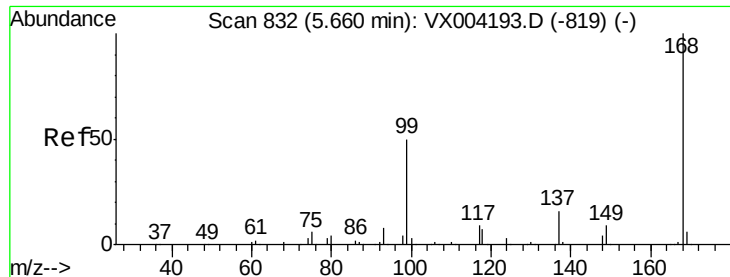
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

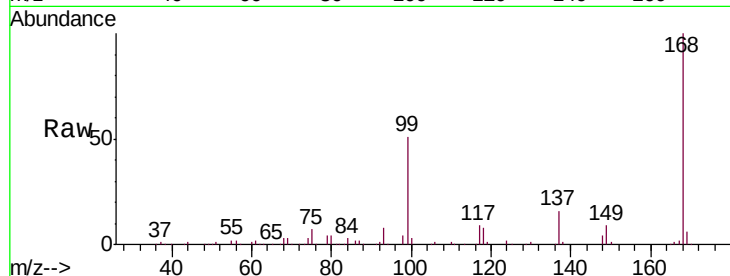
FL-TB-2018-7

Tgt Ion:168 Resp: 287504

Ion Ratio Lower Upper

168 100

99 50.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

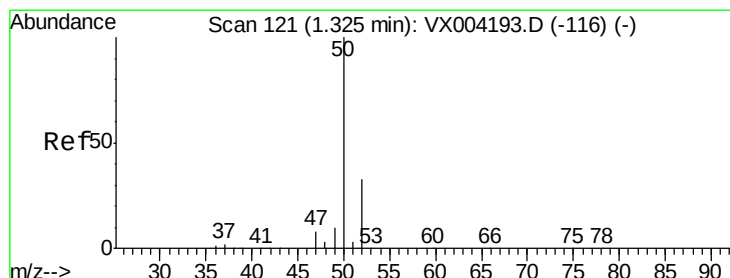
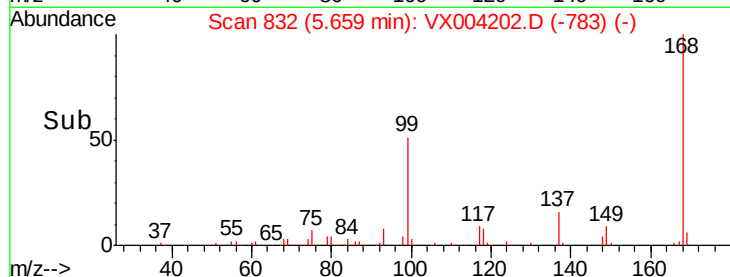
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.754 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004202.D

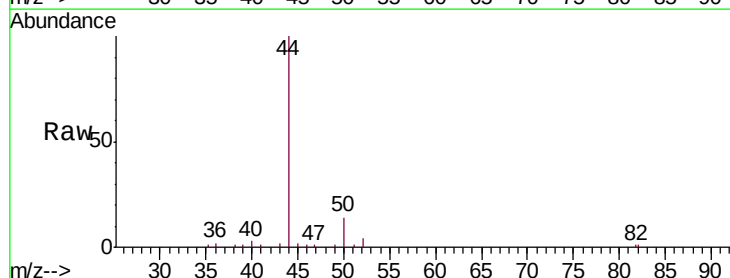
Acq: 22 Aug 2018 16:50

Tgt Ion: 50 Resp: 1719

Ion Ratio Lower Upper

50 100

52 28.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

600

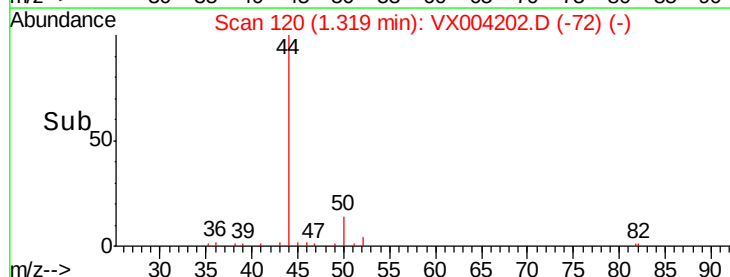
400

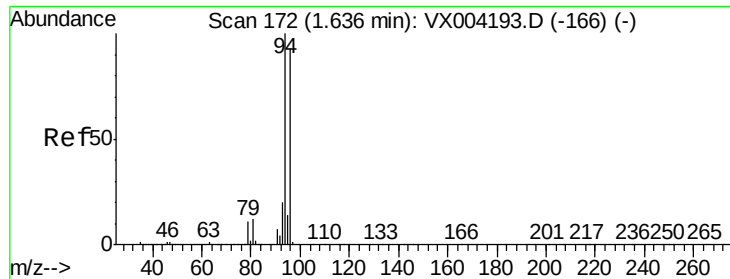
200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

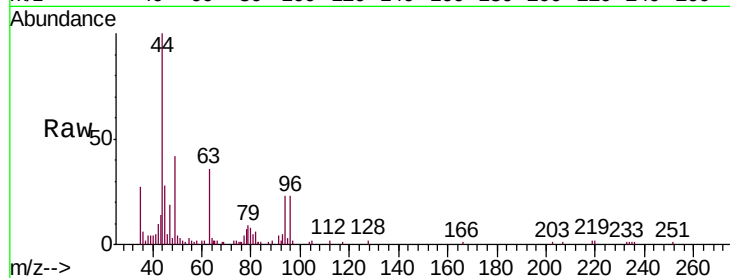
FL-TB-2018-7

Tgt Ion: 94 Resp: 1898

Ion Ratio Lower Upper

94 100

96 105.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

400

200

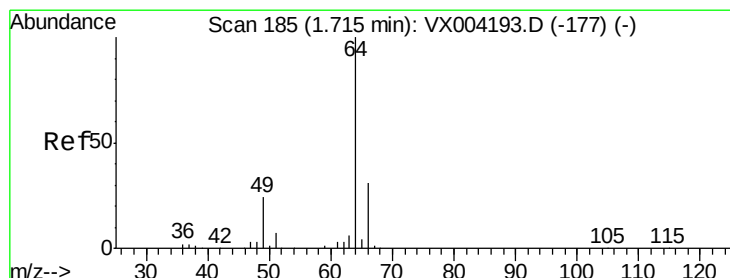
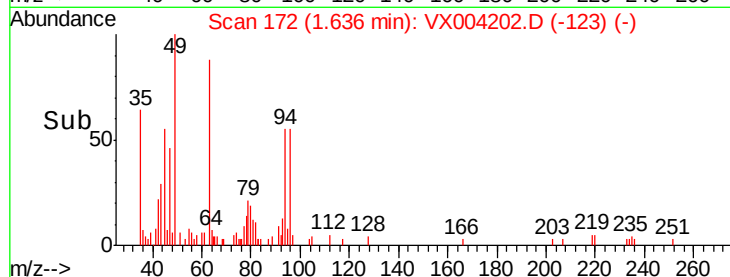
0

Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 1.414 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004202.D

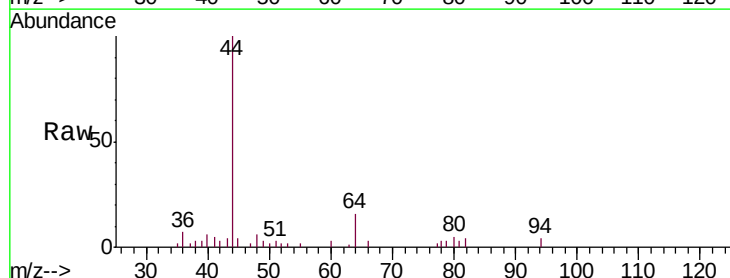
Acq: 22 Aug 2018 16:50

Tgt Ion: 64 Resp: 1356

Ion Ratio Lower Upper

64 100

66 10.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

400

200

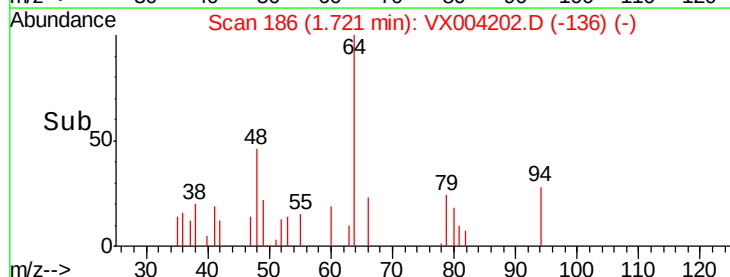
0

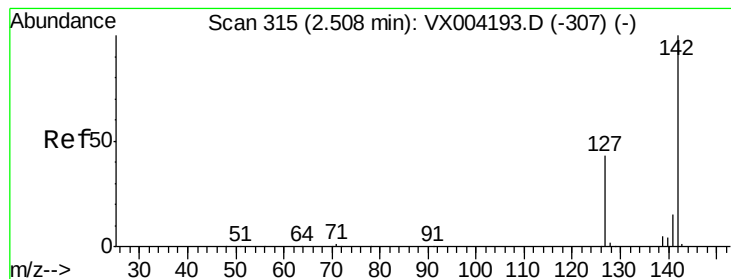
Time-->

1.65

1.70

1.75





#10

Methyl Iodide

Concen: 4.702 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

FL-TB-2018-7

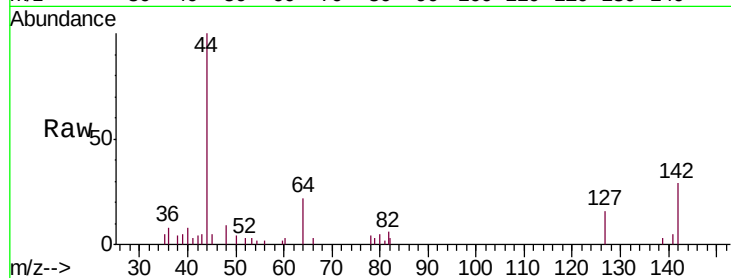
Tgt Ion: 142 Resp: 1743

Ion Ratio Lower Upper

142 100

127 49.2 33.8 50.6

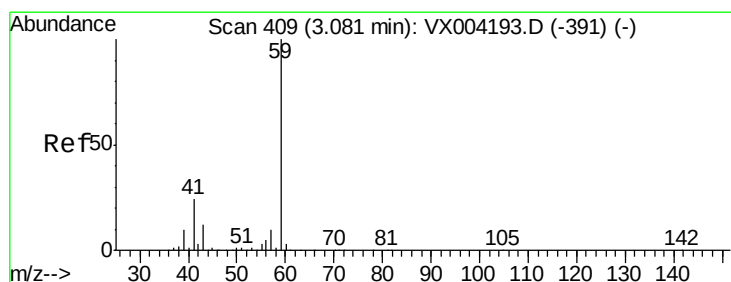
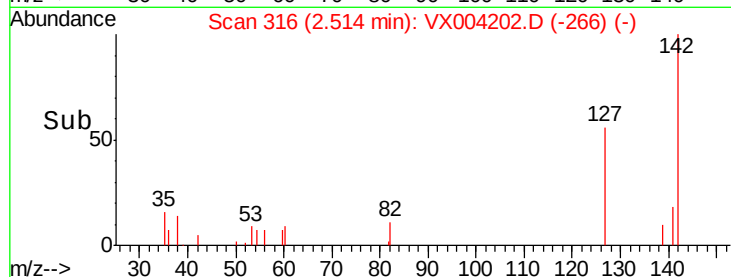
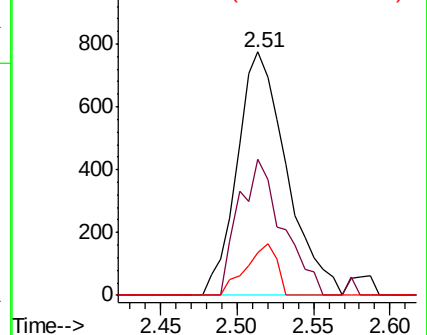
141 13.3 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.473 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX004202.D

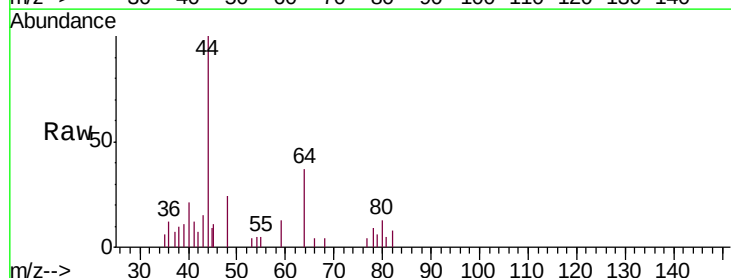
Acq: 22 Aug 2018 16:50

Tgt Ion: 59 Resp: 378

Ion Ratio Lower Upper

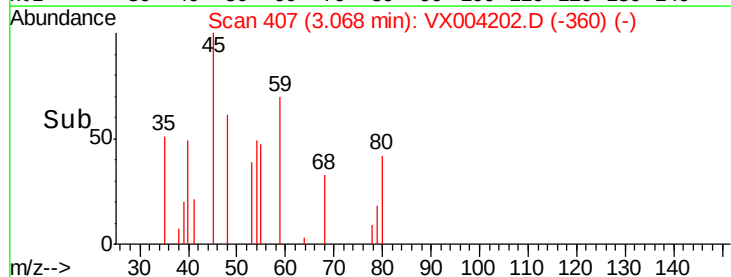
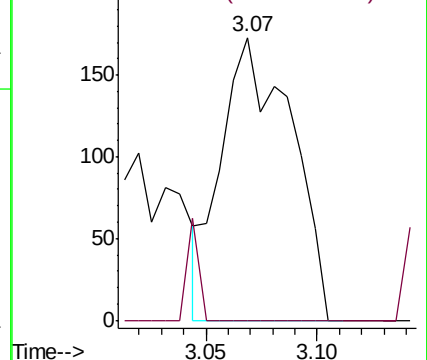
59 100

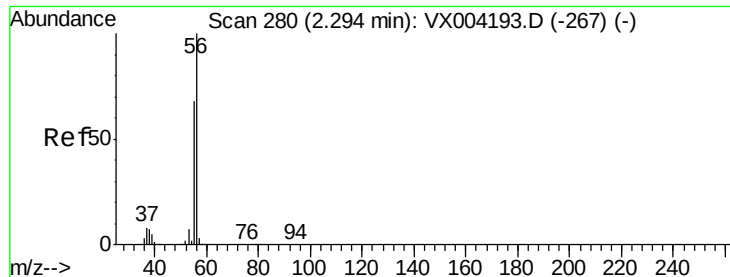
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

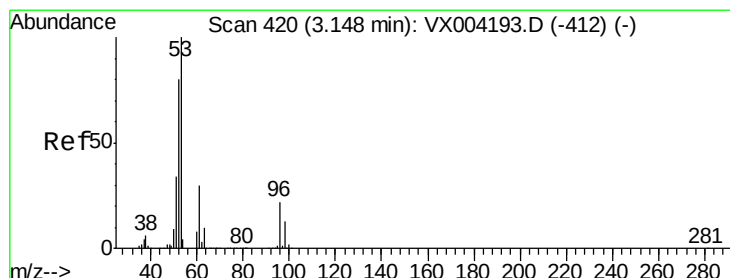
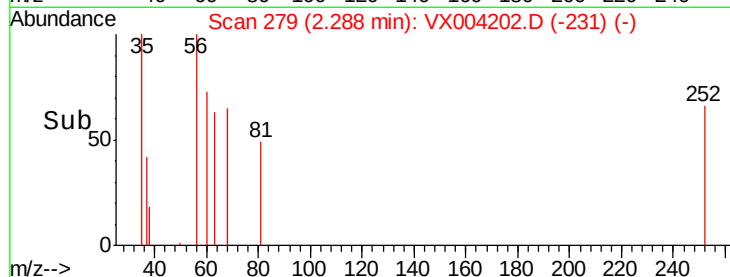
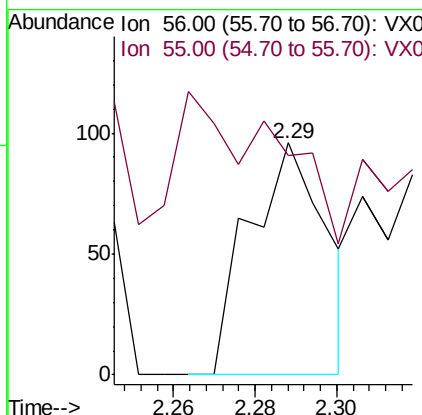
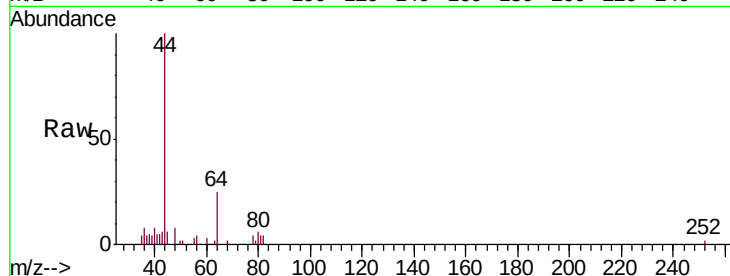




#13
Acrolein
Concen: 0.654 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

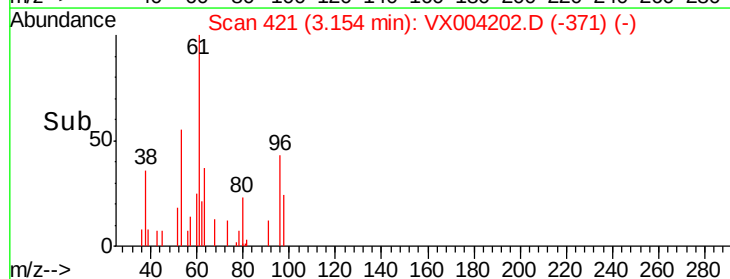
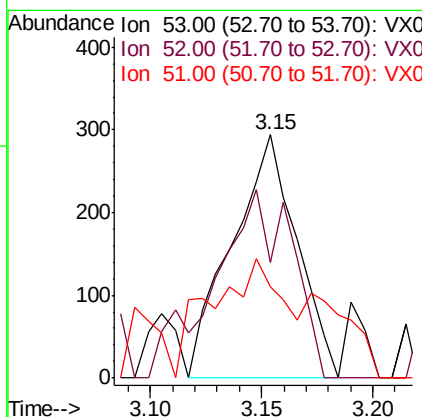
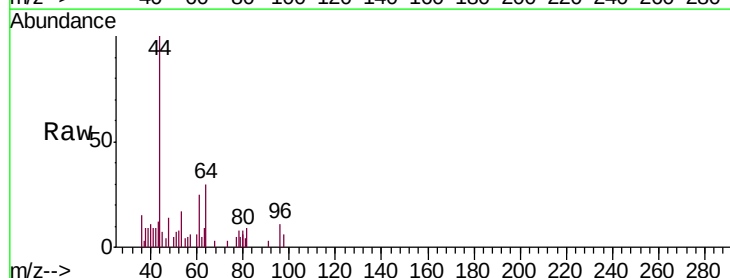
Instrument :
MSVOA_X
ClientSampled :
FL-TB-2018-7

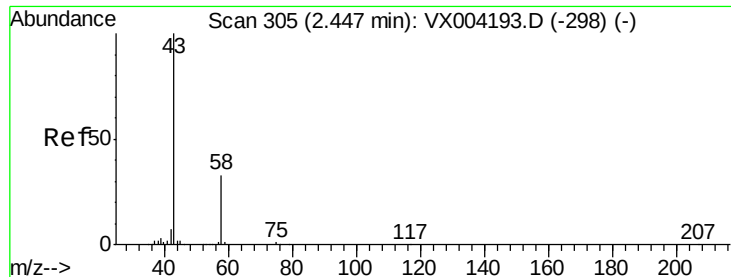
Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#



#15
Acrylonitrile
Concen: 0.300 ug/l
RT: 3.15 min Scan# 421
Delta R.T. 0.01 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

Tgt Ion: 53 Resp: 594
Ion Ratio Lower Upper
53 100
52 93.6 65.2 97.8
51 55.6 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

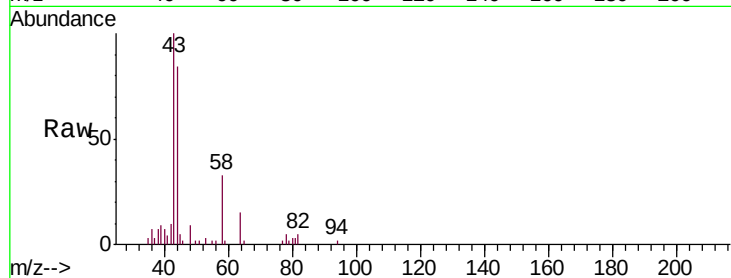
FL-TB-2018-7

Tgt Ion: 43 Resp: 5669

Ion Ratio Lower Upper

43 100

58 34.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

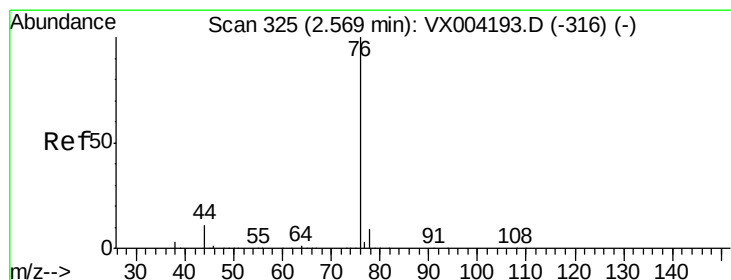
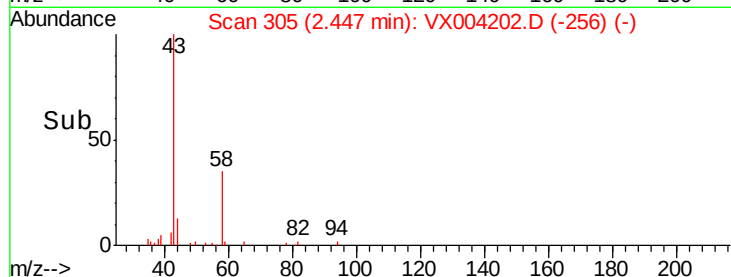
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 1.106 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004202.D

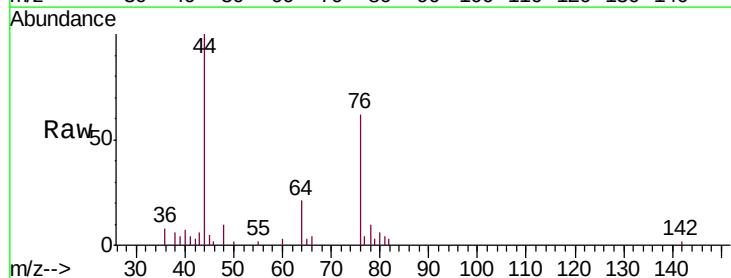
Acq: 22 Aug 2018 16:50

Tgt Ion: 76 Resp: 2644

Ion Ratio Lower Upper

76 100

78 7.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

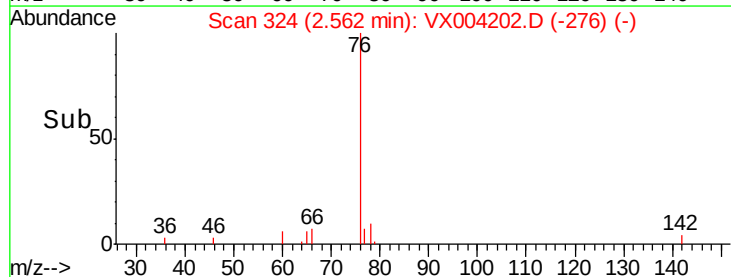
1500

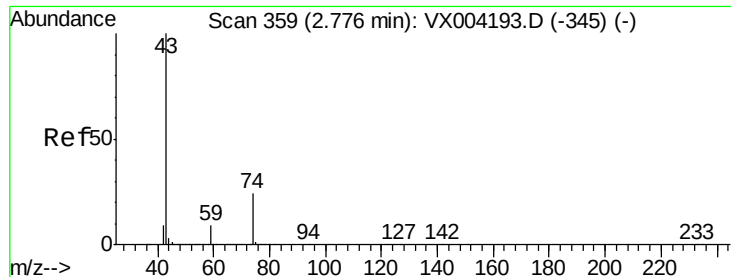
1000

500

0

Time--> 2.50 2.55 2.60 2.65

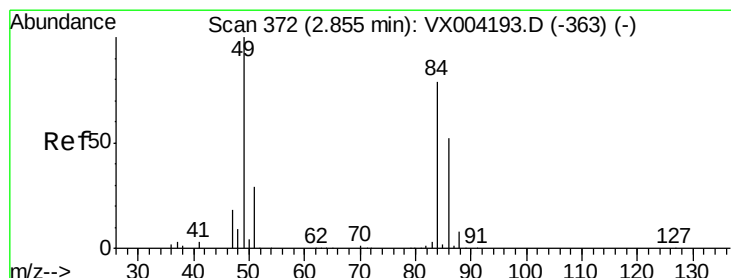
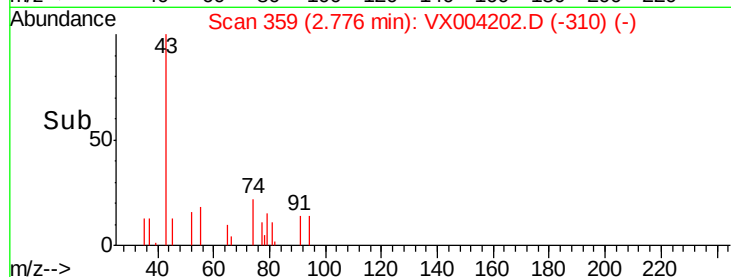
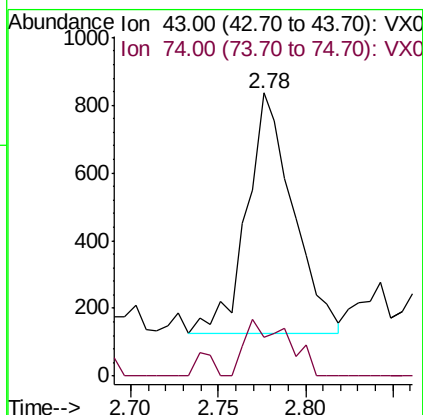
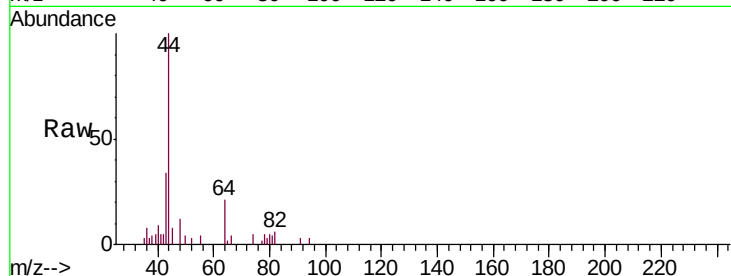




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

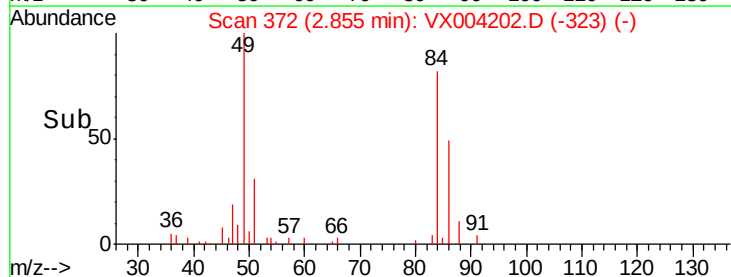
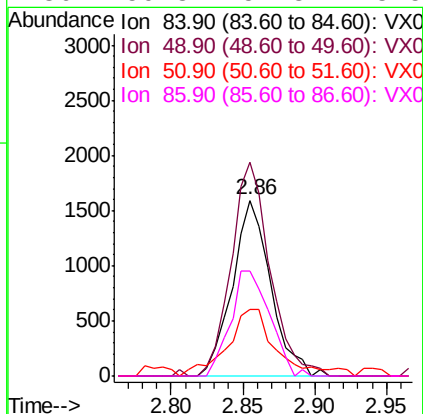
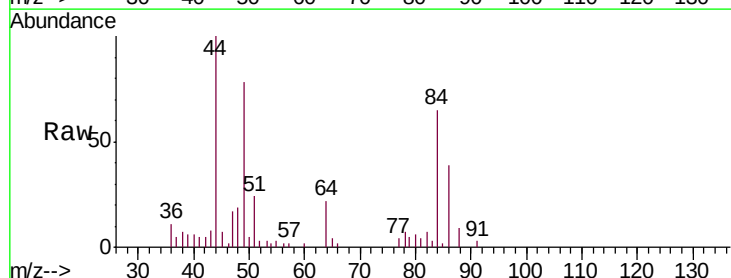
Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-7

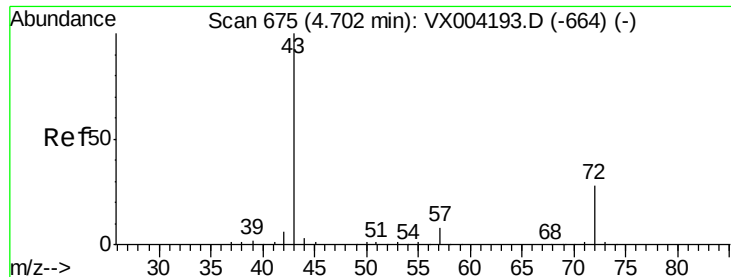
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
74 22.1 19.4 29.2



#20
Methylene Chloride
Concen: 0.821 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

Tgt Ion: 84 Resp: 2962
Ion Ratio Lower Upper
84 100
49 121.5 101.2 151.8
51 34.6 29.5 44.3
86 59.8 52.3 78.5





#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

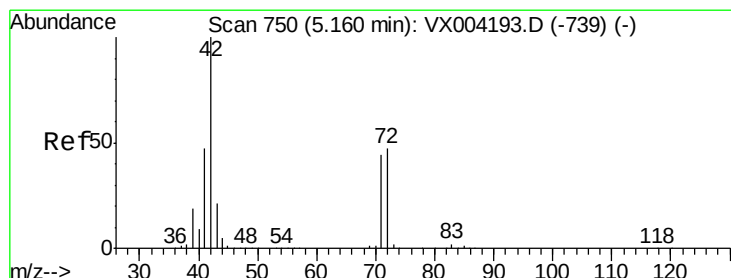
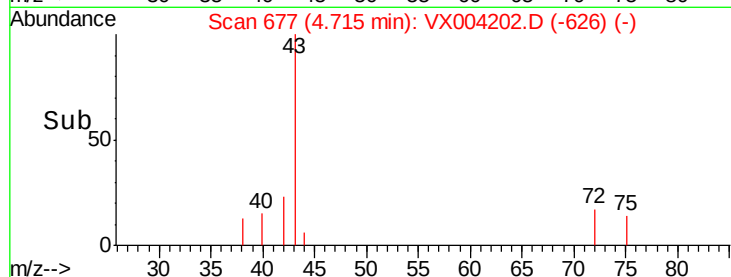
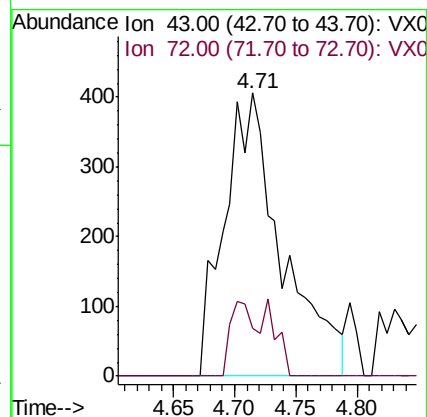
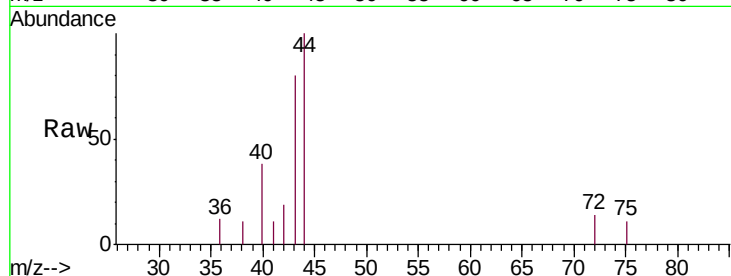
FL-TB-2018-7

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

72 17.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.551 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

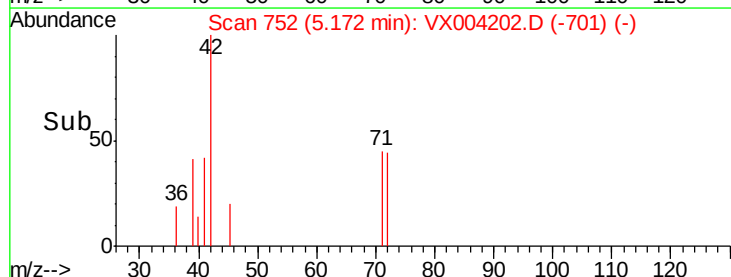
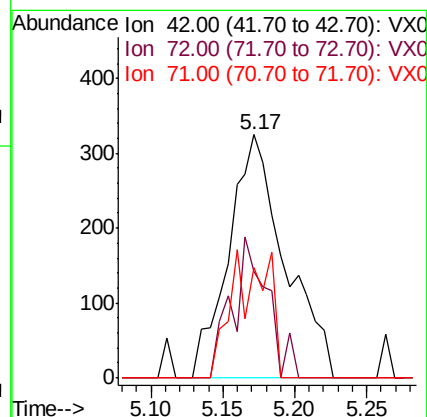
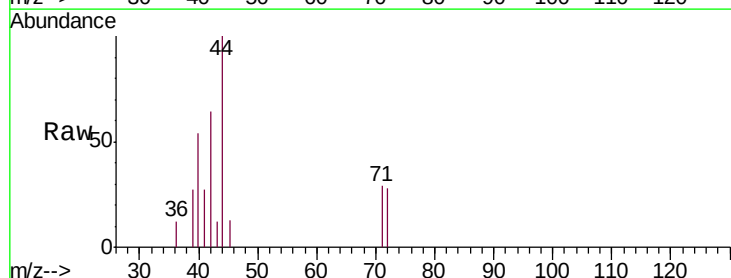
Tgt Ion: 42 Resp: 887

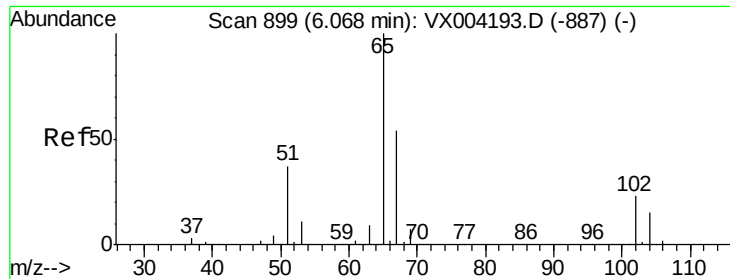
Ion Ratio Lower Upper

42 100

72 36.2 37.4 56.0#

71 16.1 34.5 51.7#

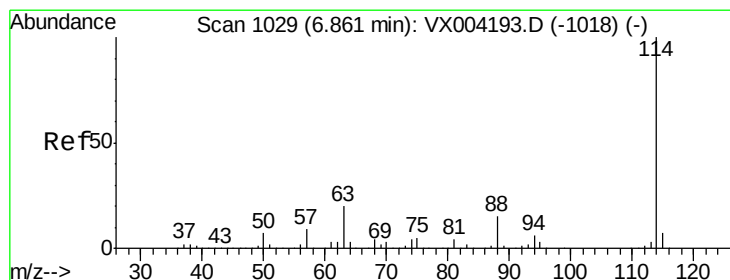
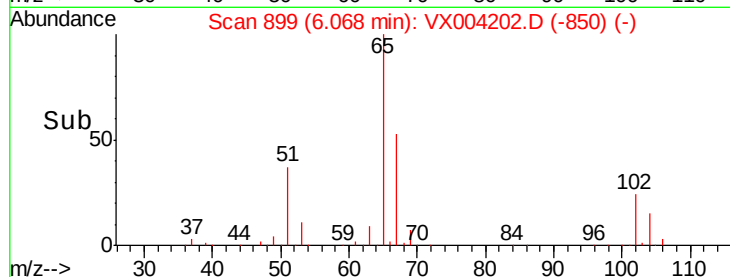
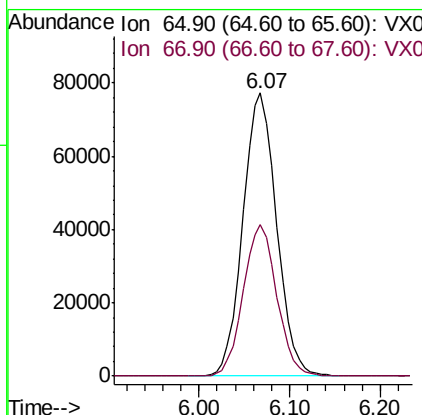
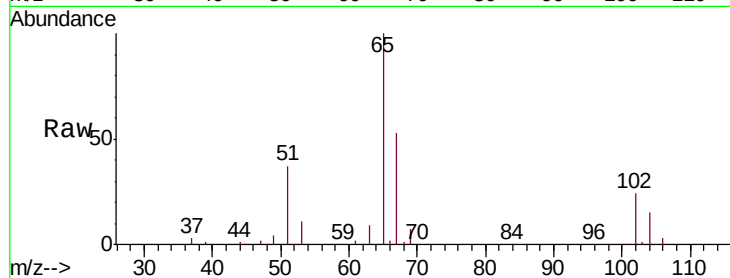




#33
 1,2-Dichloroethane-d4
 Concen: 53.090 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004202.D
 Acq: 22 Aug 2018 16:50

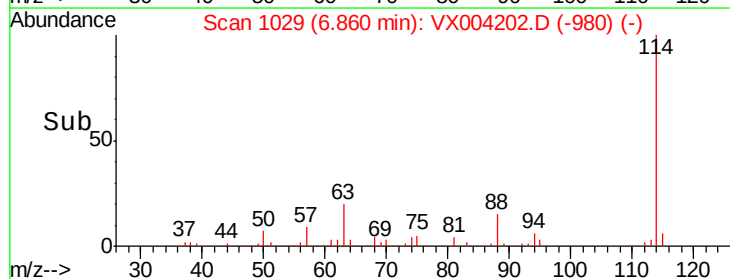
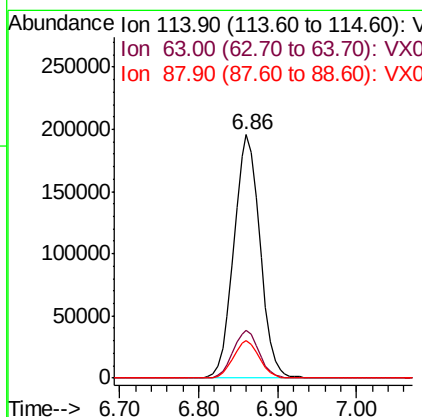
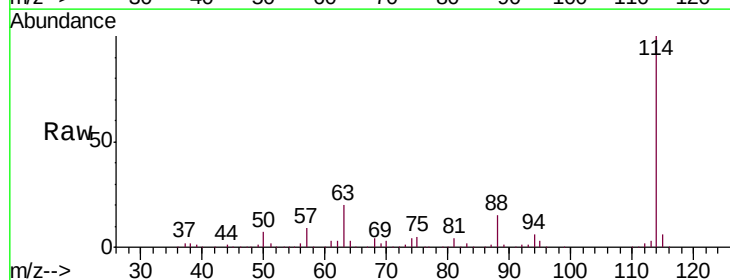
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-TB-2018-7

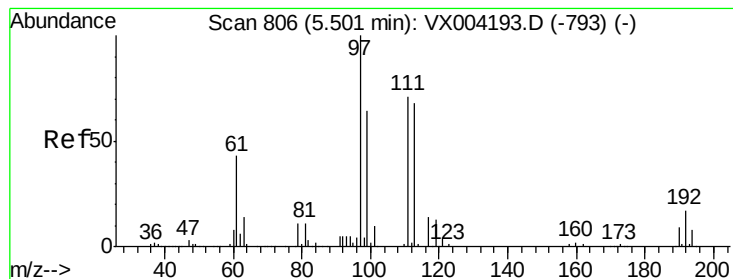
Tgt Ion: 65 Resp: 198940
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004202.D
 Acq: 22 Aug 2018 16:50

Tgt Ion: 114 Resp: 450645
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.471 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

FL-TB-2018-7

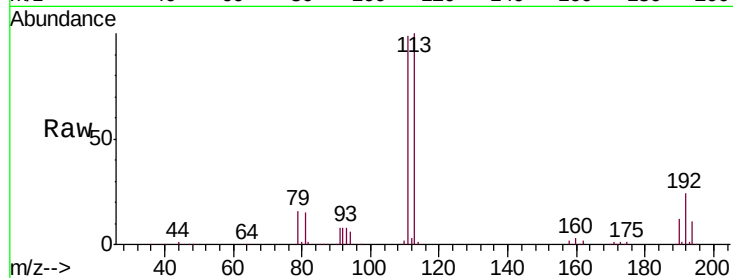
Tgt Ion:113 Resp: 172557

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

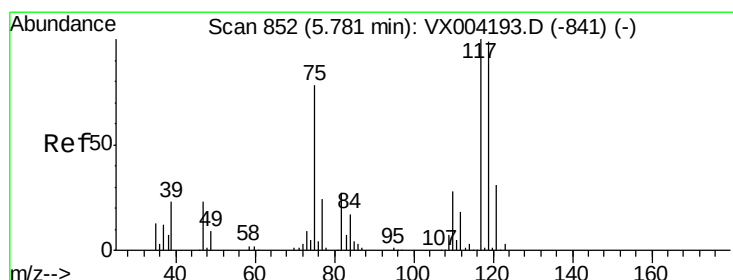
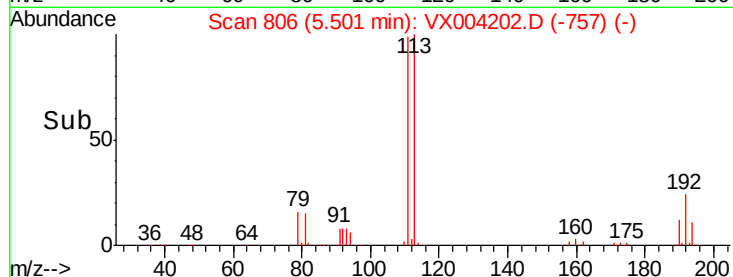
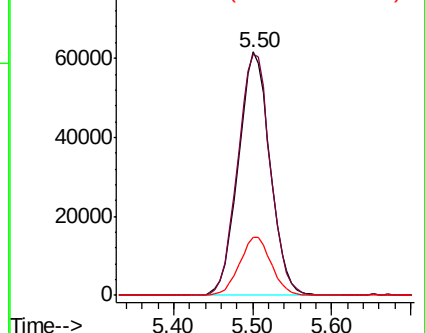
192 23.8 19.4 29.2



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



#38

Carbon Tetrachloride

Concen: 5.450 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

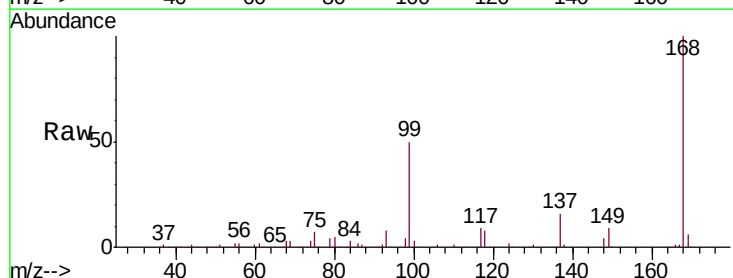
Tgt Ion:117 Resp: 25975

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

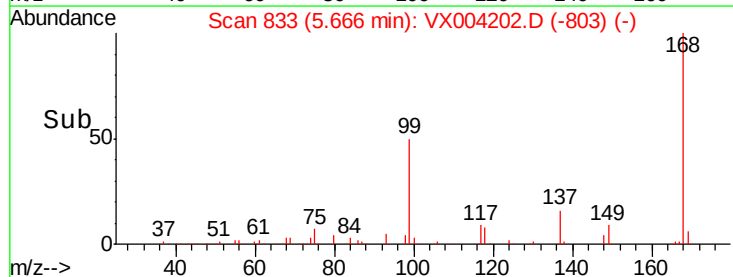
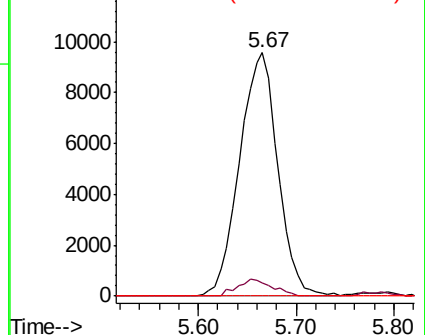
121 0.0 24.9 37.3#

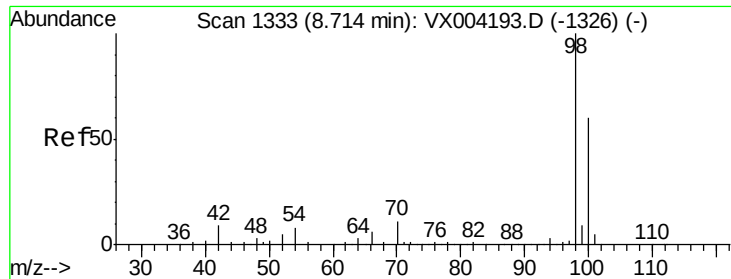


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

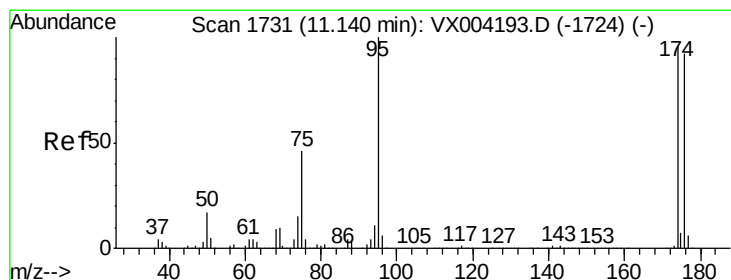
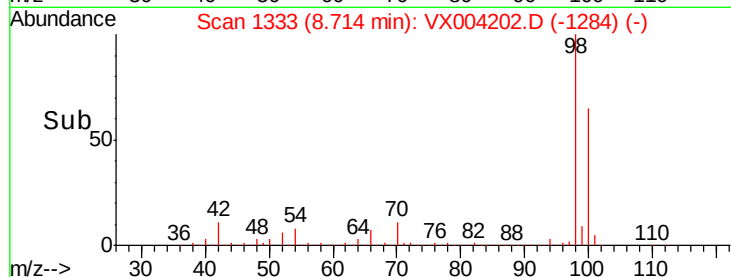
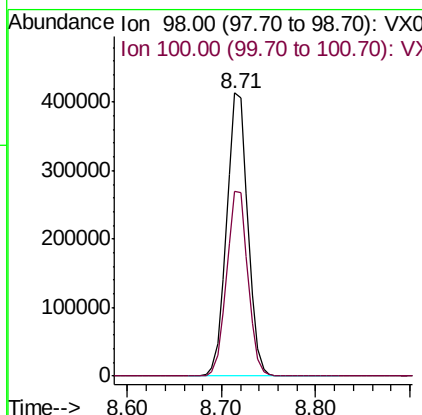
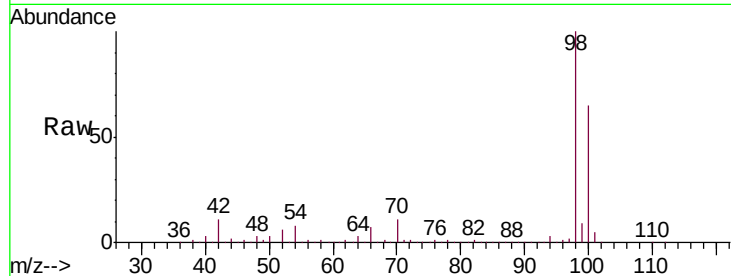




#50
Toluene-d8
Concen: 50.884 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

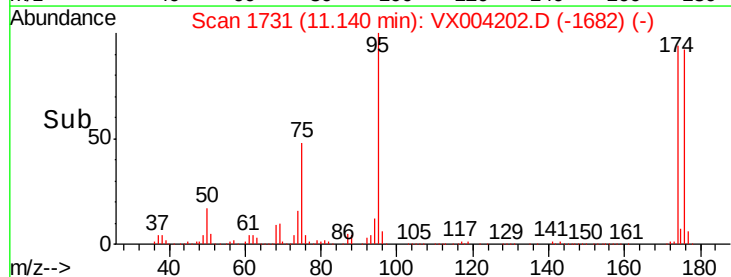
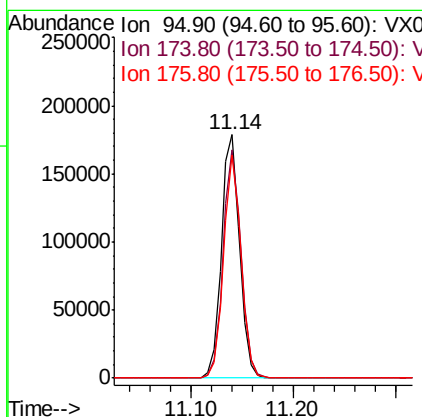
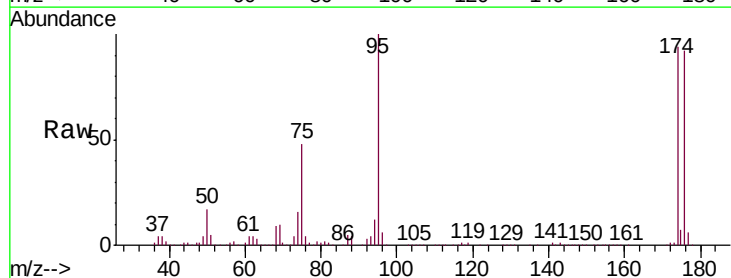
Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-7

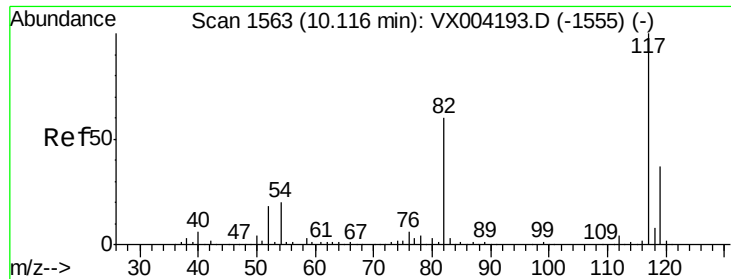
Tgt Ion: 98 Resp: 643907
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 47.138 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

Tgt Ion: 95 Resp: 222570
Ion Ratio Lower Upper
95 100
174 92.1 0.0 185.2
176 88.1 0.0 178.6

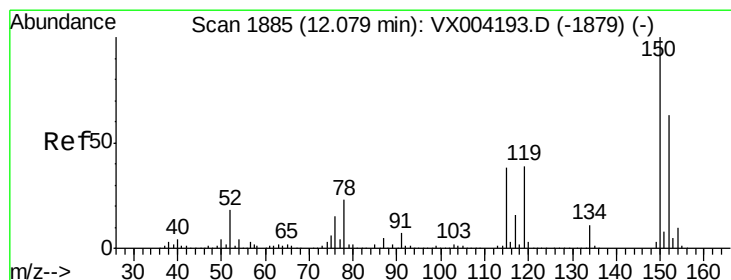
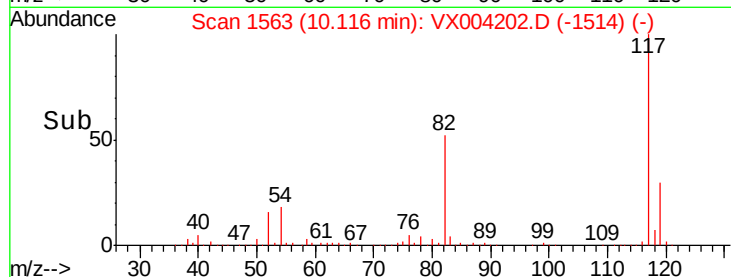
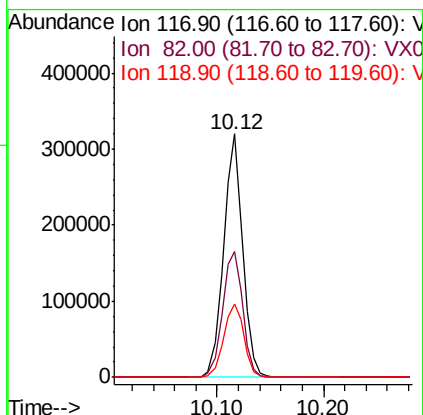
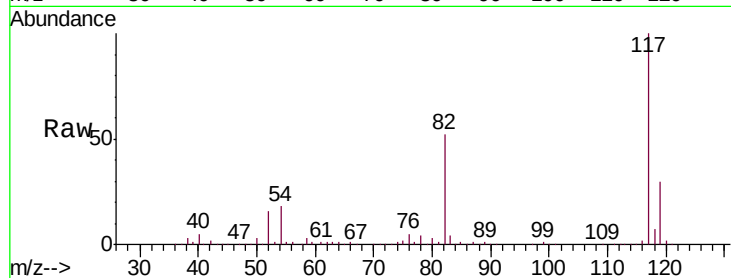




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

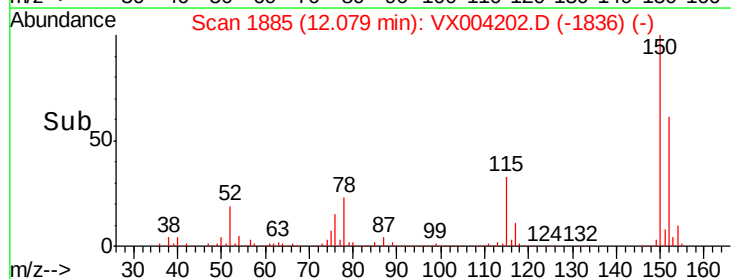
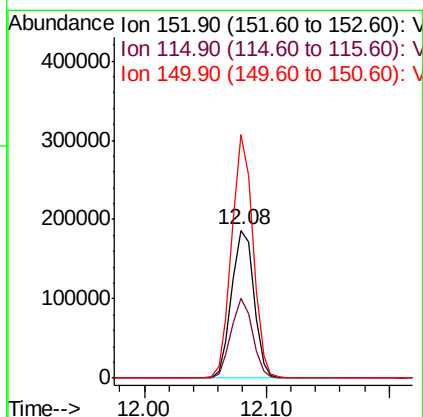
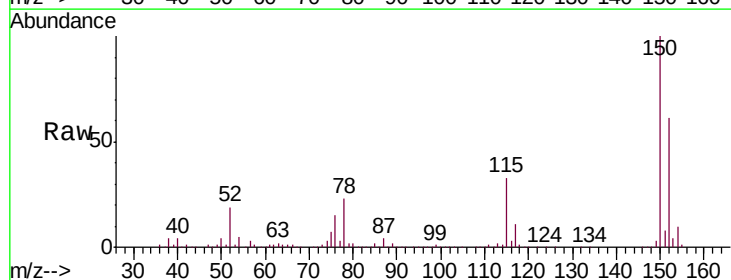
Instrument :
MSVOA_X
ClientSampleId :
FL-TB-2018-7

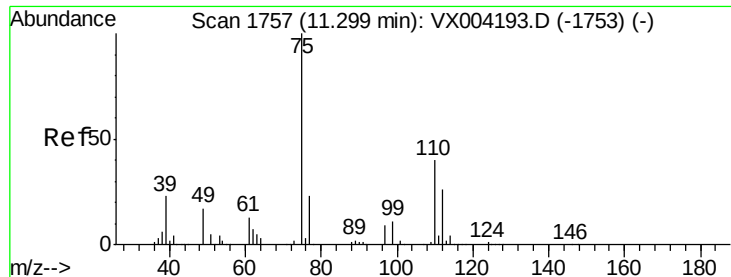
Tgt Ion:117 Resp: 398386
Ion Ratio Lower Upper
117 100
82 51.6 47.8 71.6
119 30.0 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004202.D
Acq: 22 Aug 2018 16:50

Tgt Ion:152 Resp: 234473
Ion Ratio Lower Upper
152 100
115 52.3 39.0 117.0
150 156.1 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 22.611 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

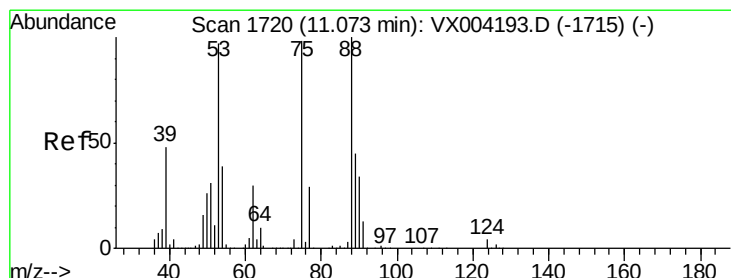
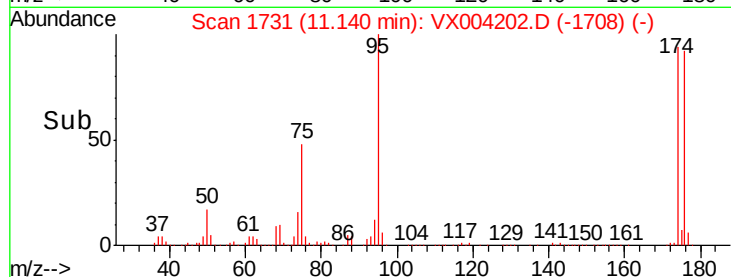
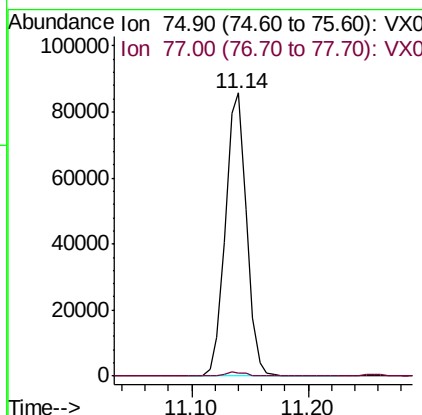
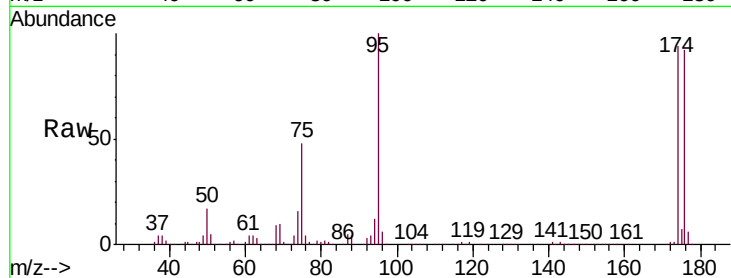
FL-TB-2018-7

Tgt Ion: 75 Resp: 107828

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.364 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004202.D

Acq: 22 Aug 2018 16:50

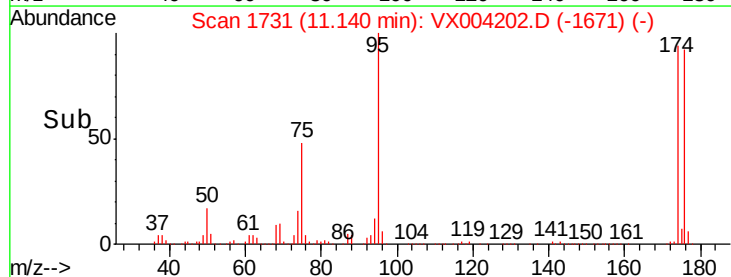
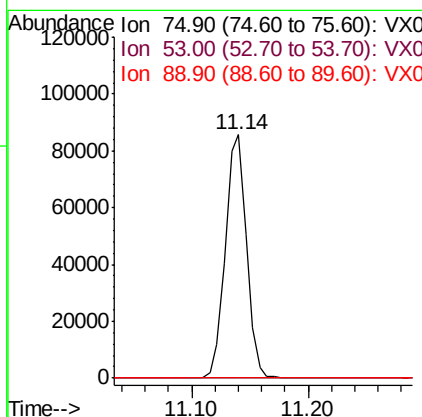
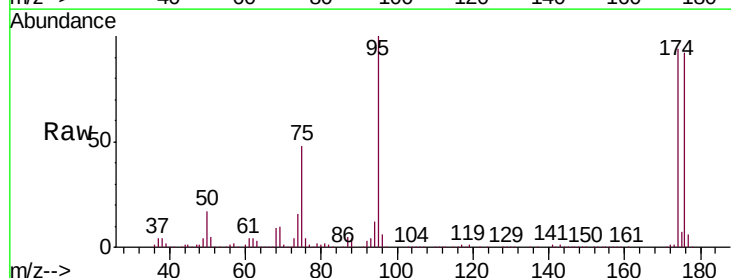
Tgt Ion: 75 Resp: 107828

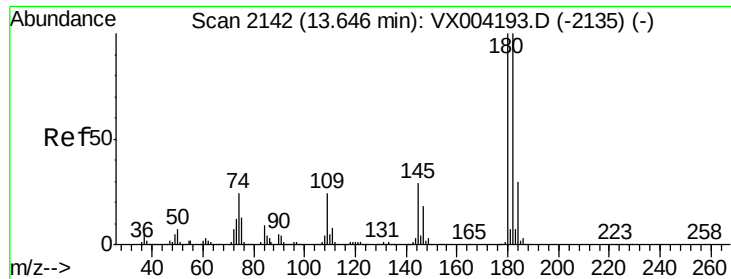
Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

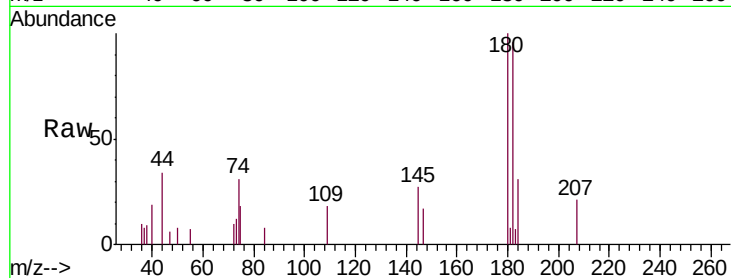




#93
 1,2,4-Trichlorobenzene
 Concen: 0.212 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX004202.D
 Acq: 22 Aug 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-TB-2018-7

Tgt Ion:180 Resp: 1149
 Ion Ratio Lower Upper
 180 100
 182 107.1 48.4 145.0
 145 30.6 14.3 42.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

