

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003691.D
 Acq On : 27 Jul 2018 02:00
 Operator : JC/SP
 Sample : J4154-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-EB-2018-1

Quant Time: Jul 27 06:43:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	115713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	121244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	59224	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	68089	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	5.51	113	59021	62.39	ug/l	0.00
Spiked Amount			Recovery	=	124.78%	
50) Toluene-d8	8.72	98	213385	59.11	ug/l	0.00
Spiked Amount			Recovery	=	118.22%	
62) 4-Bromofluorobenzene	11.14	95	68006	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

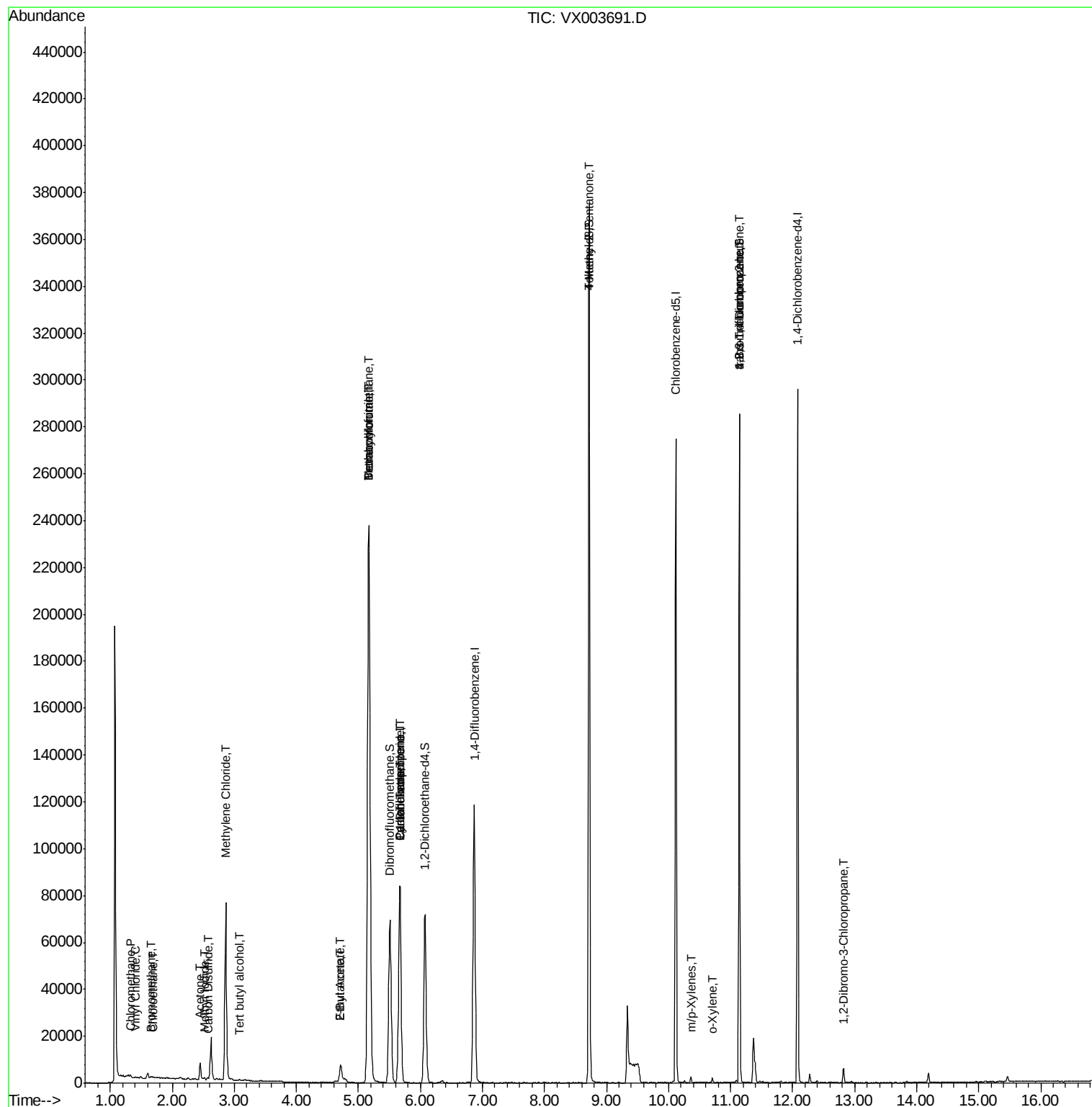
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	543	0.44	ug/l	100
4) Vinyl Chloride	1.40	62	554	0.44	ug/l	98
5) Bromomethane	1.65	94	160	0.26	ug/l	92
6) Chloroethane	1.69	64	2309	4.19	ug/l #	42
10) Methyl Iodide	2.51	142	19	3.19	ug/l #	41
11) Tert butyl alcohol	3.08	59	332	1.14	ug/l #	72
16) Acetone	2.45	43	7358	12.83	ug/l	97
17) Carbon Disulfide	2.57	76	806	0.29	ug/l	98
20) Methylene Chloride	2.86	84	35202	30.98	ug/l	96
25) 2-Butanone	4.71	43	13458	15.19	ug/l	99
28) Bromochloromethane	5.17	49	481	0.59	ug/l #	13
29) Tetrahydrofuran	5.17	42	216360	375.21	ug/l	98
31) Cyclohexane	5.67	56	1690	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6129	4.53	ug/l #	48
37) Ethyl Acetate	4.71	43	13458	8.27	ug/l #	67
38) Carbon Tetrachloride	5.67	117	7793	5.98	ug/l #	13
41) Methacrylonitrile	5.16	41	122978	136.55	ug/l #	45
51) 4-Methyl-2-Pentanone	8.72	43	974	0.61	ug/l #	1
68) m/p-Xylenes	10.36	106	628	0.32	ug/l	95
69) o-Xylene	10.70	106	402	0.21	ug/l	81
76) 1,2,3-Trichloropropane	11.14	75	34820	28.03	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	34820	86.85	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	139	0.45	ug/l #	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072618\
Data File : VX003691.D
Acq On : 27 Jul 2018 02:00
Operator : JC/SP
Sample : J4154-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-EB-2018-1

Quant Time: Jul 27 06:43:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

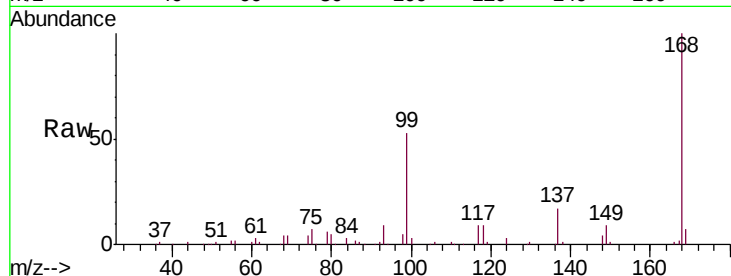
FL-EB-2018-1

Tot Ion:168 Resp: 82398

Ion Ratio Lower Upper

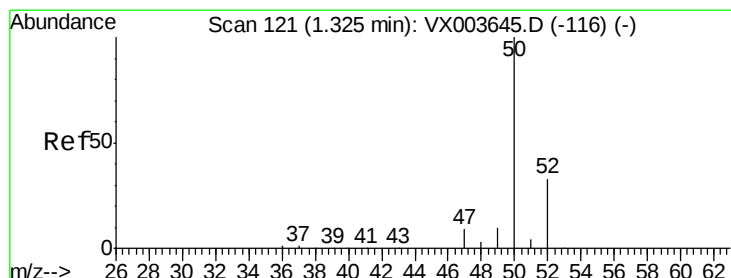
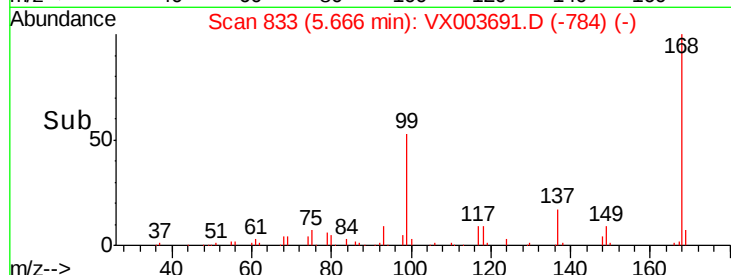
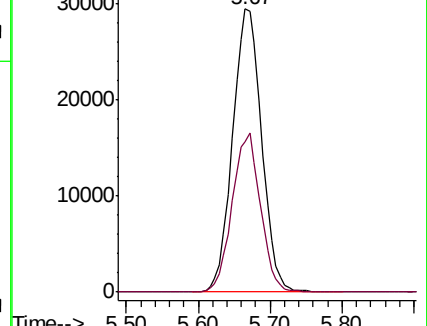
168 100

99 53.2 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.44 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003691.D

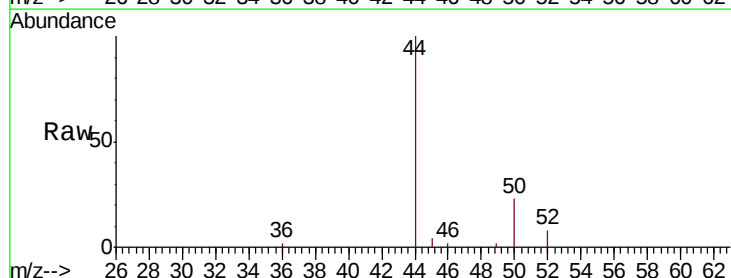
Acq: 27 Jul 2018 02:00

Tgt Ion: 50 Resp: 543

Ion Ratio Lower Upper

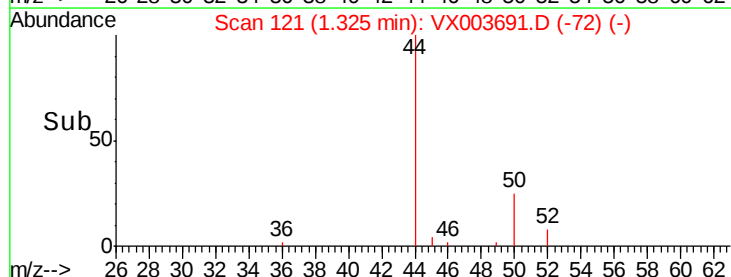
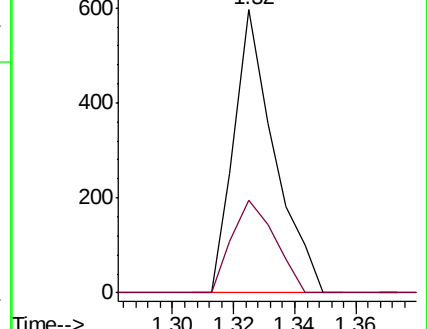
50 100

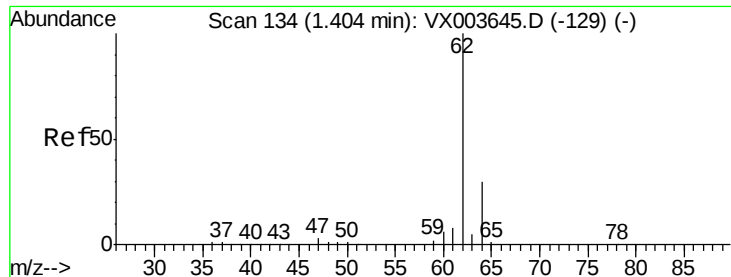
52 32.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.44 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

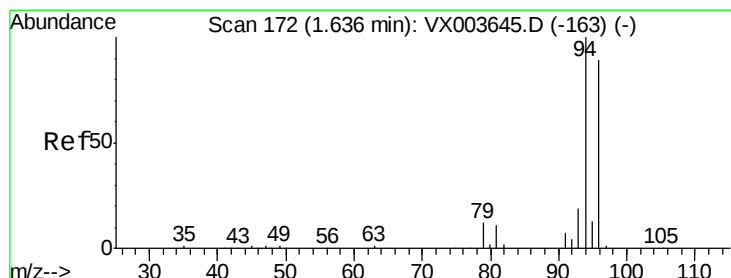
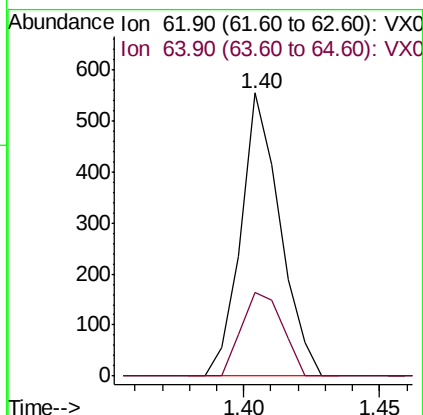
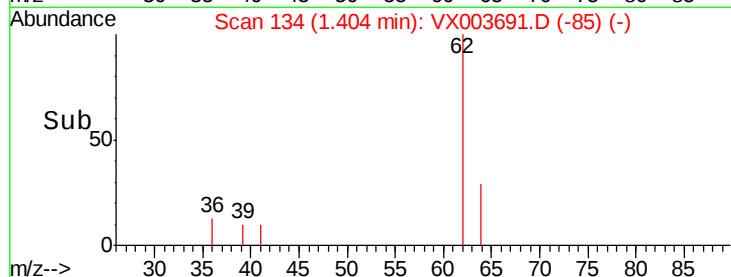
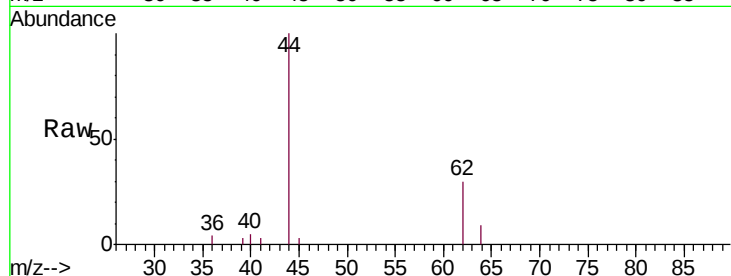
FL-EB-2018-1

Tot Ion: 62 Resp: 554

Ion Ratio Lower Upper

62 100

64 29.4 24.4 36.6



#5

Bromomethane

Concen: 0.26 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003691.D

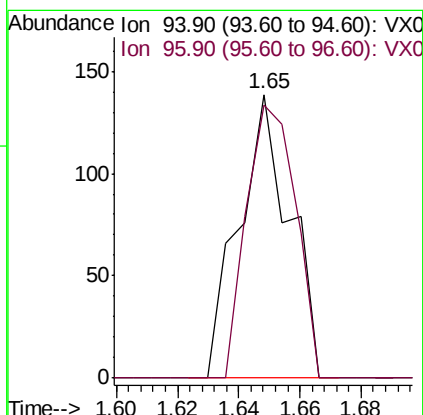
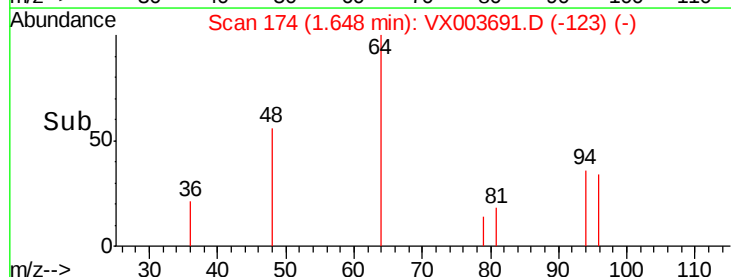
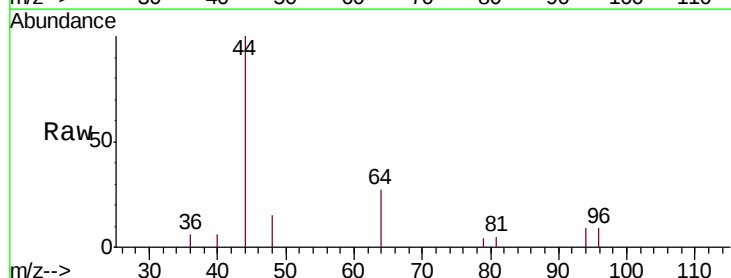
Acq: 27 Jul 2018 02:00

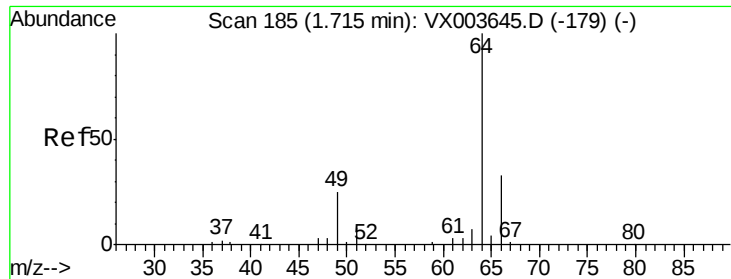
Tgt Ion: 94 Resp: 160

Ion Ratio Lower Upper

94 100

96 96.4 71.3 106.9





#6

Chloroethane

Concen: 4.19 ug/l

RT: 1.69 min Scan# 181

Delta R.T. -0.02 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

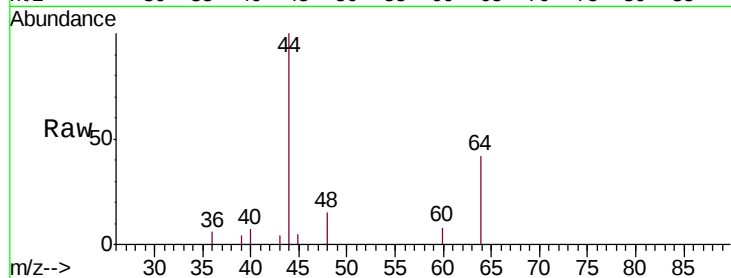
FL-EB-2018-1

Tot Ion: 64 Resp: 2309

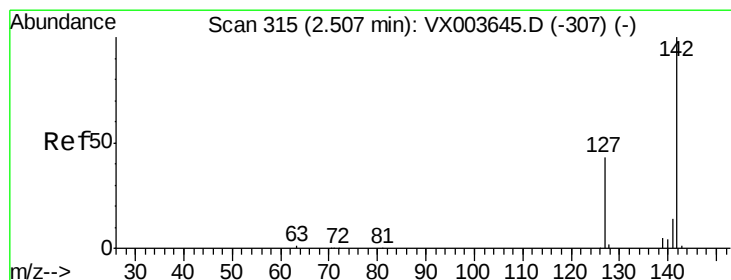
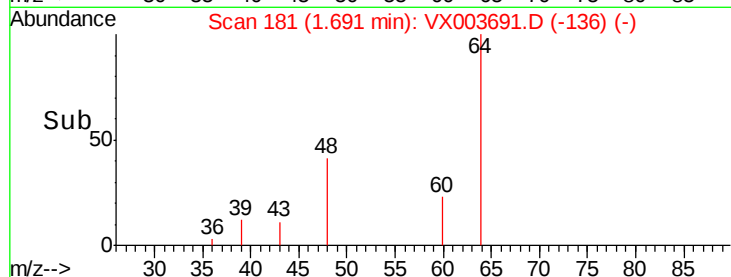
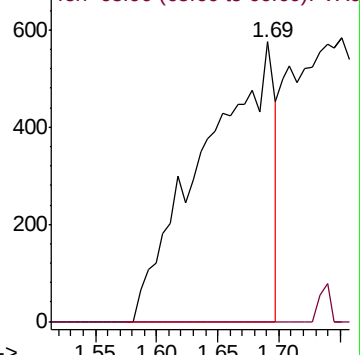
Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX003645.D (-179) (-)



#10

Methyl Iodide

Concen: 3.19 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

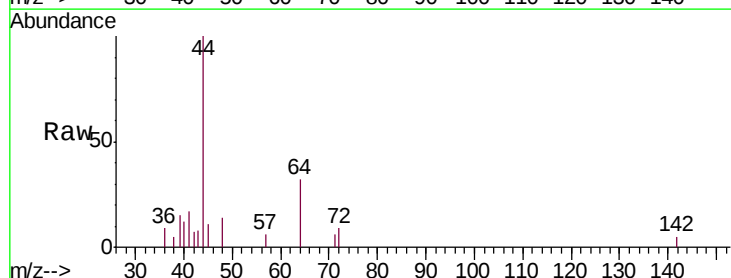
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

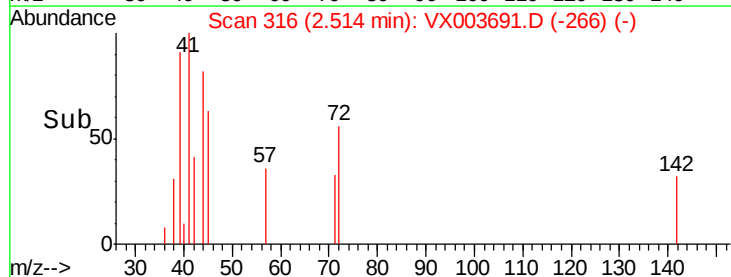
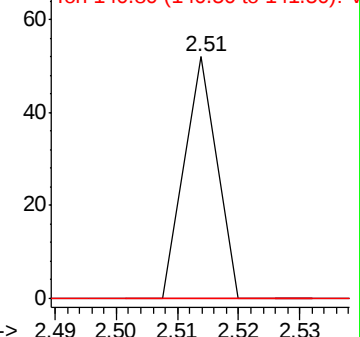
142 100

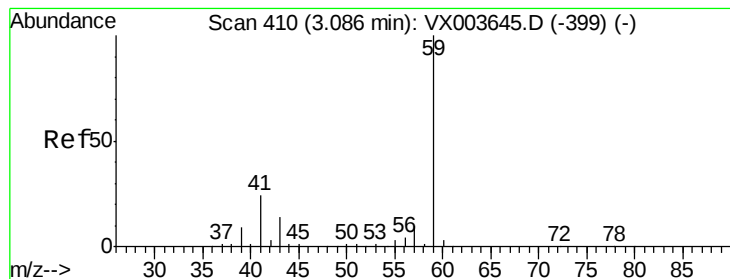
127 0.0 34.0 51.0#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VX003645.D (-307) (-)



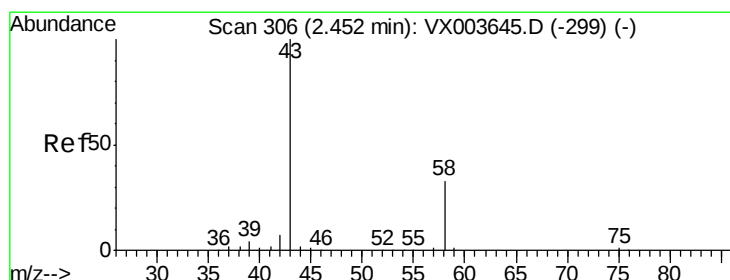
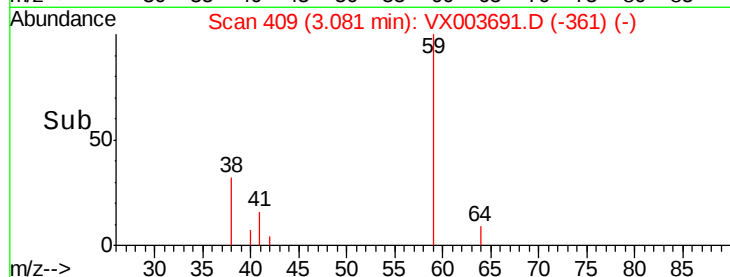
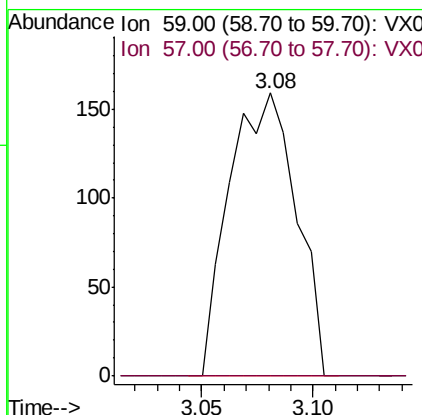
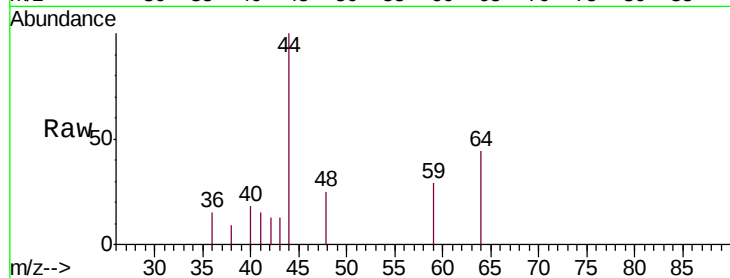


#11

Tert butyl alcohol
 Concen: 1.14 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003691.D
 Acq: 27 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampled :
 FL-EB-2018-1

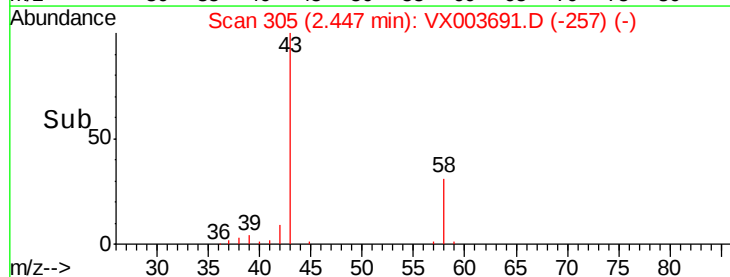
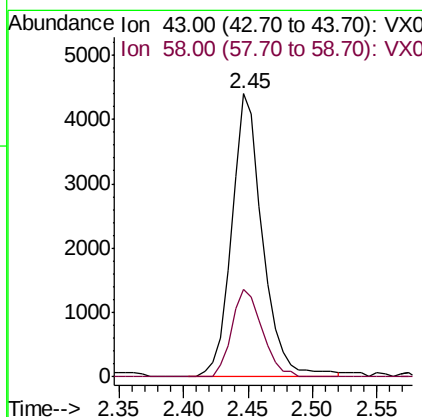
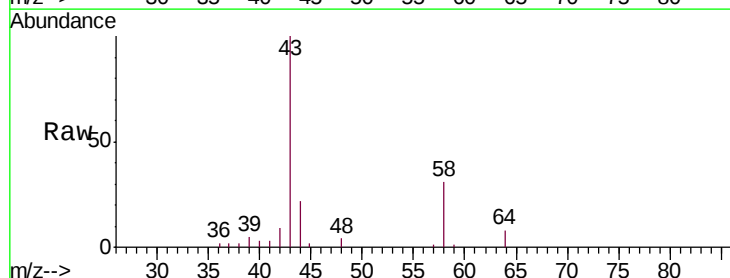
Tot Ion: 59 Resp: 332
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

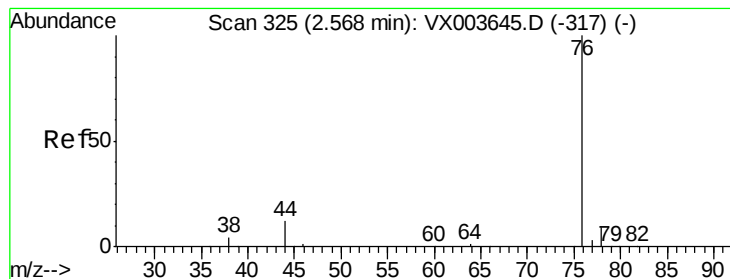


#16

Acetone
 Concen: 12.83 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003691.D
 Acq: 27 Jul 2018 02:00

Tgt Ion: 43 Resp: 7358
 Ion Ratio Lower Upper
 43 100
 58 30.8 26.1 39.1





#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

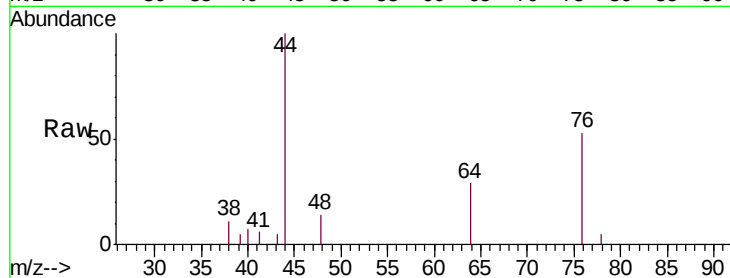
FL-EB-2018-1

Tot Ion: 76 Resp: 806

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0



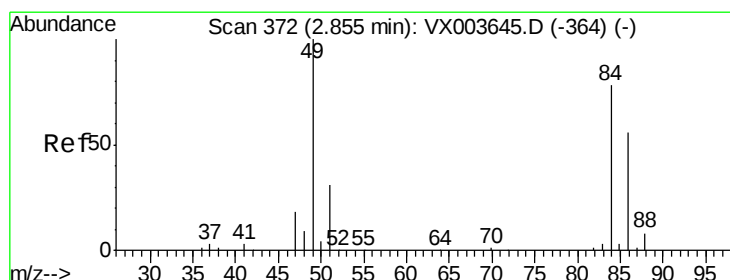
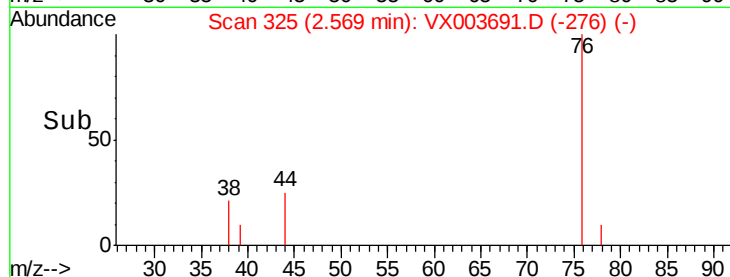
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->

2.55 2.60



#20

Methylene Chloride

Concen: 30.98 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Tgt Ion: 84 Resp: 35202

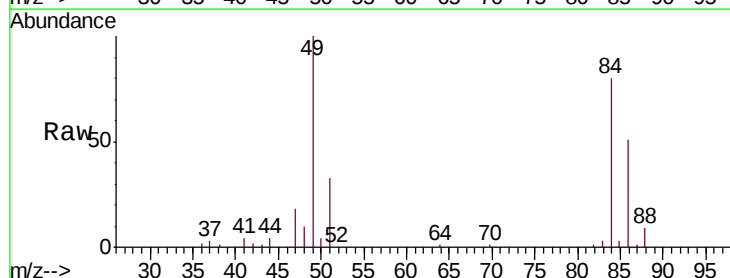
Ion Ratio Lower Upper

84 100

49 125.7 102.3 153.5

51 41.4 31.8 47.8

86 64.1 57.4 86.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

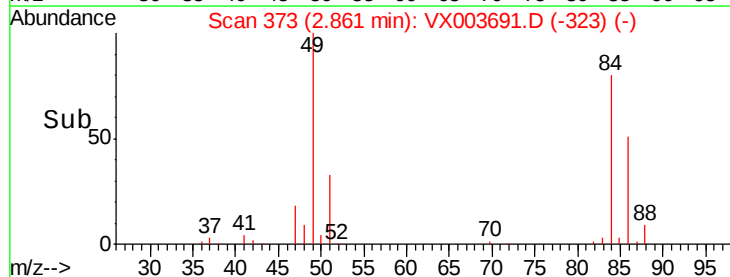
Ion 50.90 (50.60 to 51.60): VX0

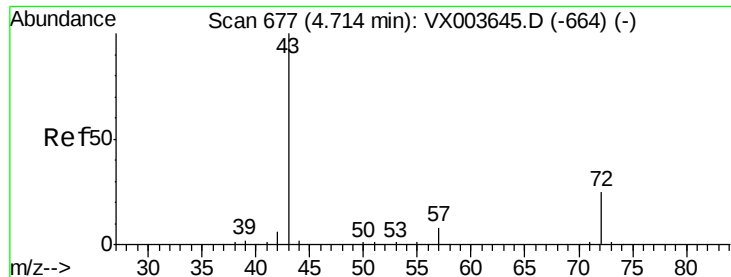
Ion 85.90 (85.60 to 86.60): VX0

2.86

Time-->

2.80 2.90 3.00





#25

2-Butanone

Concen: 15.19 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

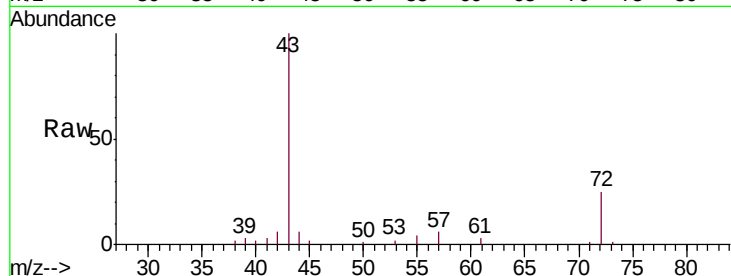
FL-EB-2018-1

Tot Ion: 43 Resp: 13458

Ion Ratio Lower Upper

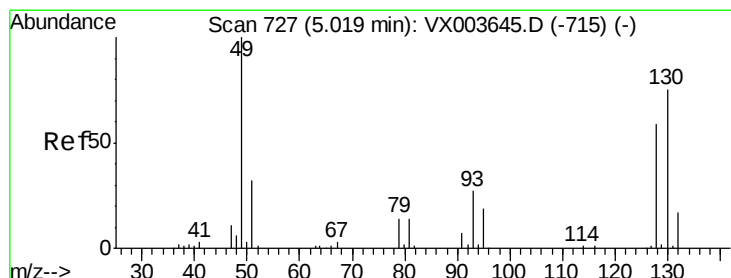
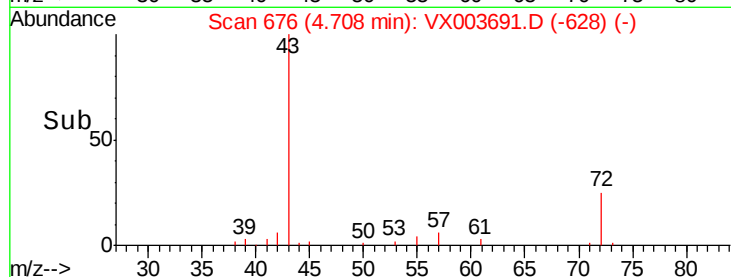
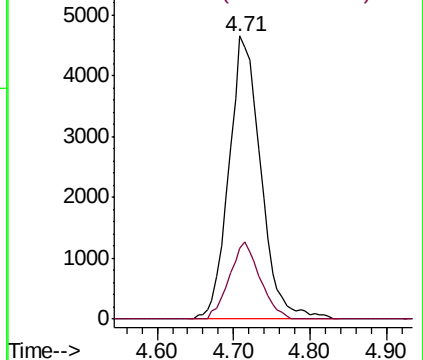
43 100

72 24.8 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 0.59 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.15 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

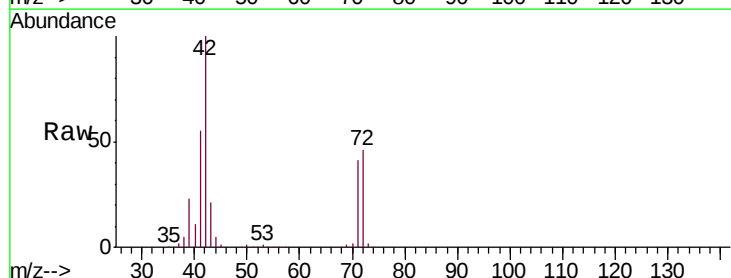
Tgt Ion: 49 Resp: 481

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

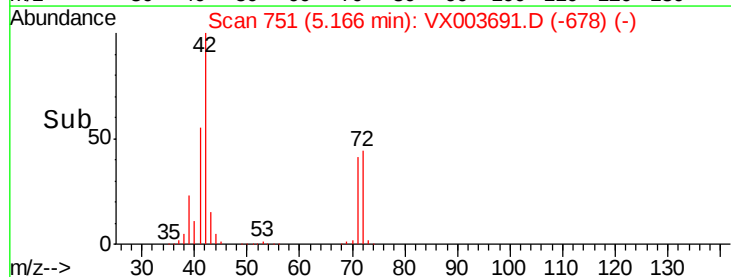
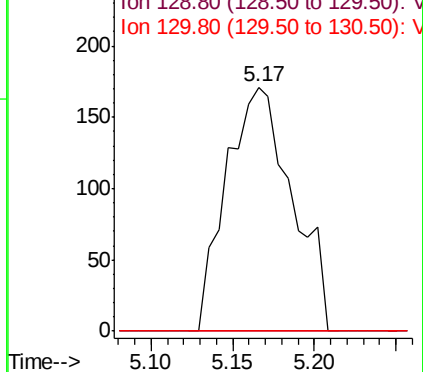
130 0.0 61.0 91.6#

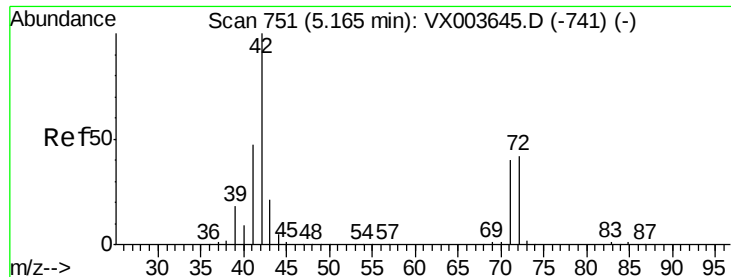


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

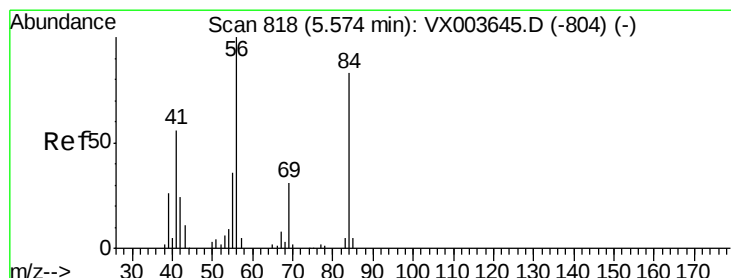
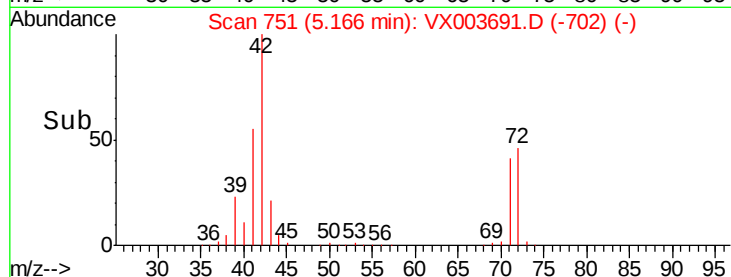
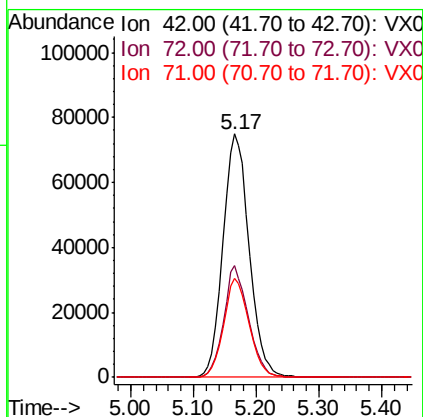
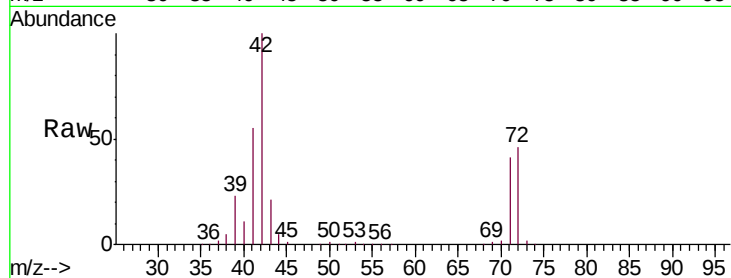




#29
Tetrahydrofuran
Concen: 375.21 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

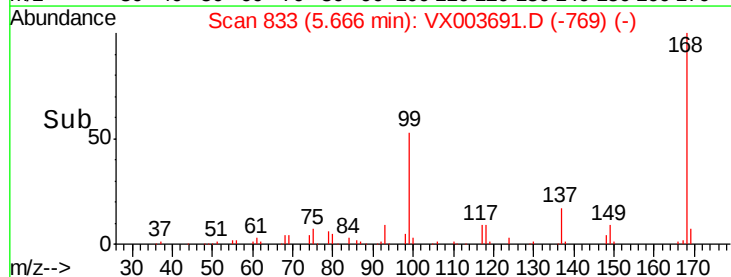
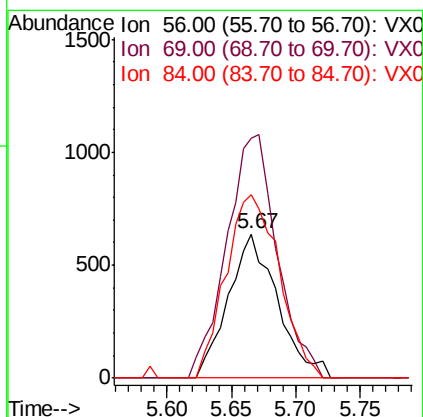
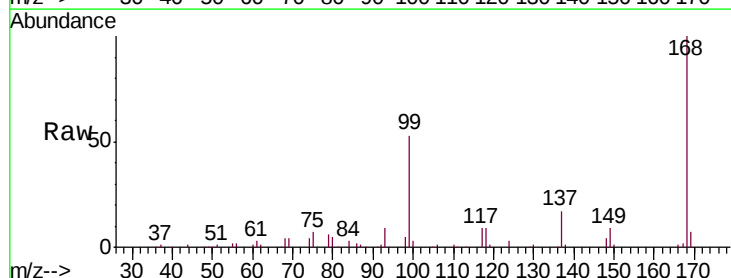
Instrument :
MSVOA_X
ClientSampleId :
FL-EB-2018-1

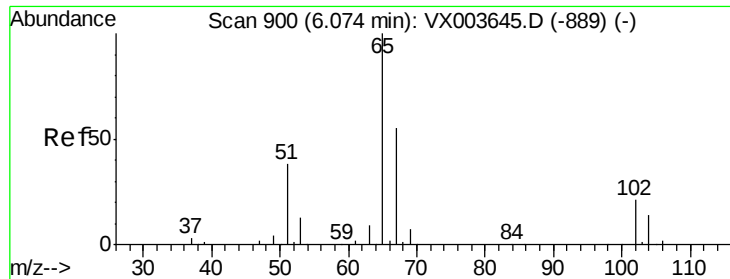
Tot Ion: 42 Resp: 216360
Ion Ratio Lower Upper
42 100
72 42.9 33.4 50.0
71 39.5 31.0 46.6



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Tgt Ion: 56 Resp: 1690
Ion Ratio Lower Upper
56 100
69 166.7 25.0 37.6#
84 127.6 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 55.79 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

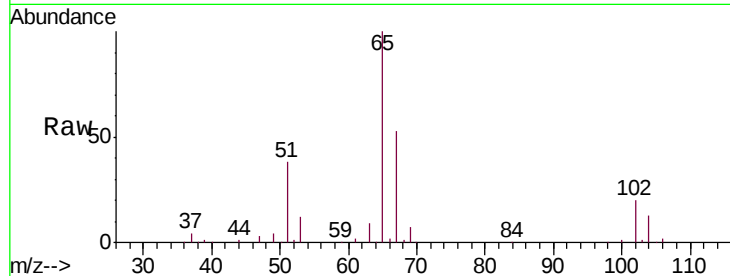
FL-EB-2018-1

Tot Ion: 65 Resp: 68089

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.8

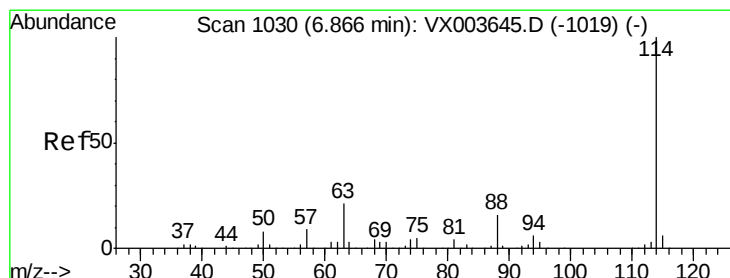
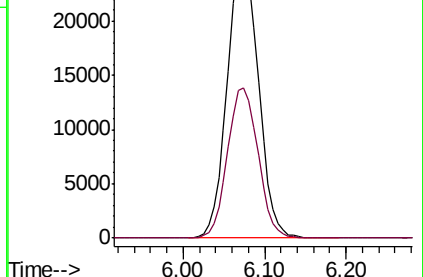
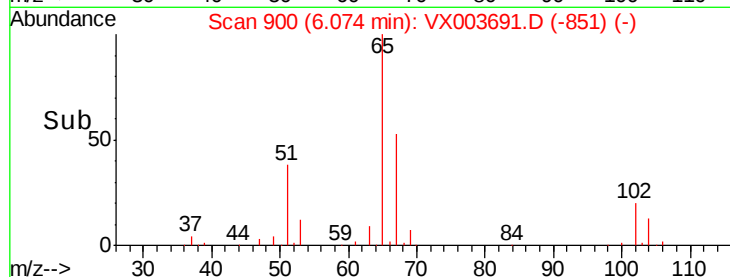


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

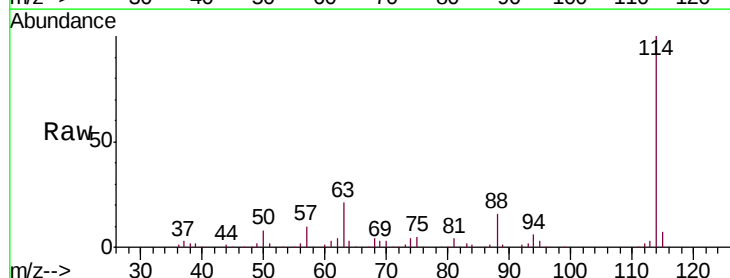
Tgt Ion: 114 Resp: 115713

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 15.5 0.0 31.8



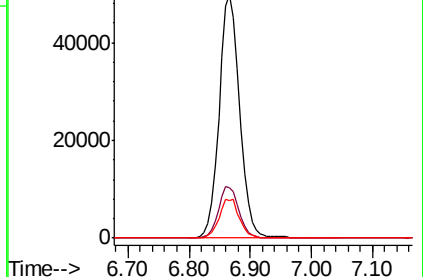
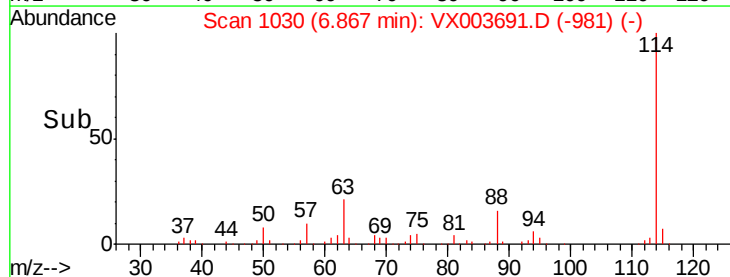
Abundance Ion 113.90 (113.60 to 114.60): V

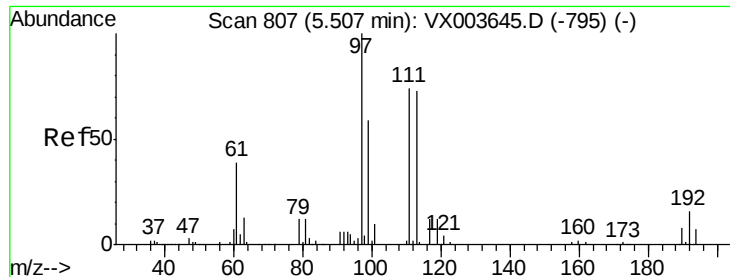
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.87

Time-->





#35

Dibromofluoromethane

Concen: 62.39 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

FL-EB-2018-1

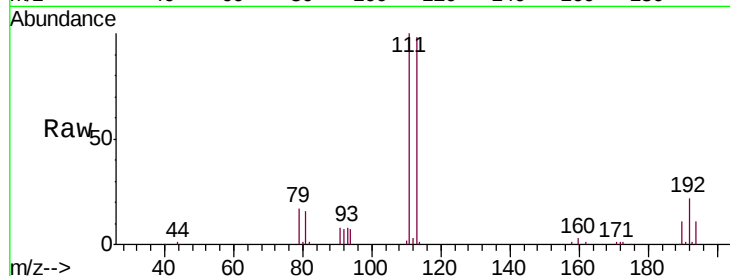
Tot Ion:113 Resp: 59021

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

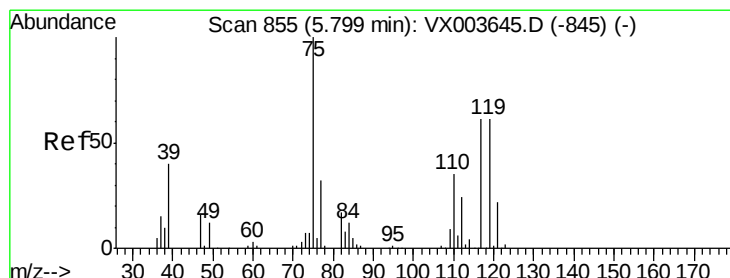
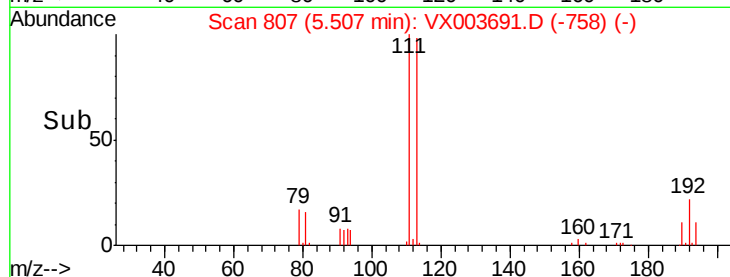
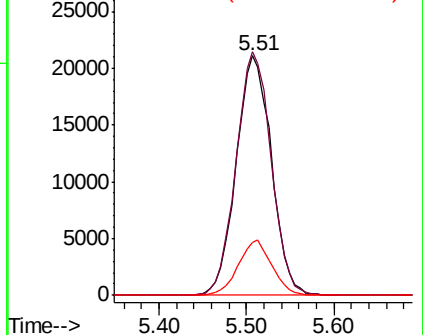
192 22.0 18.2 27.4



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: 4.53 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

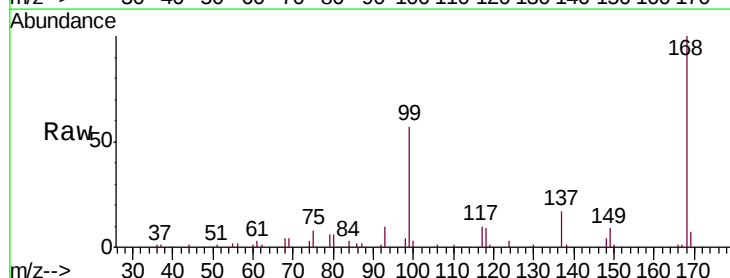
Tgt Ion: 75 Resp: 6129

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.1#

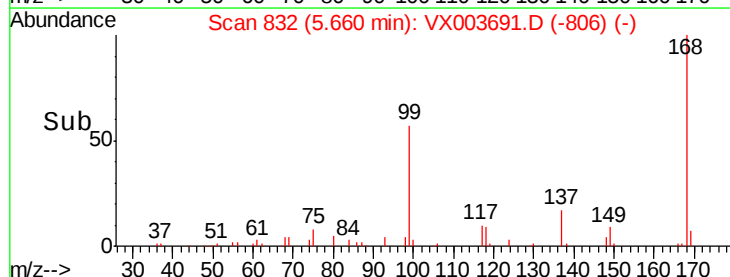
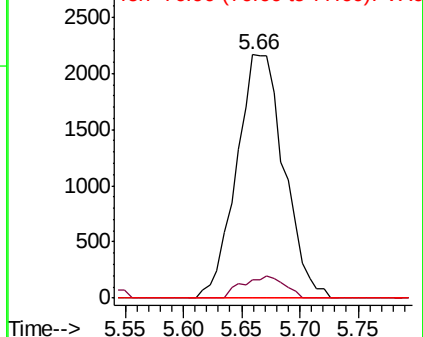
77 0.0 25.1 37.7#

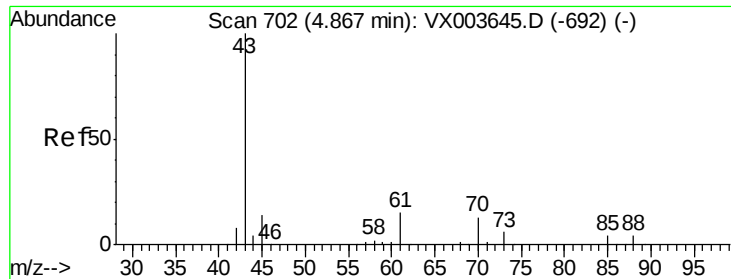


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

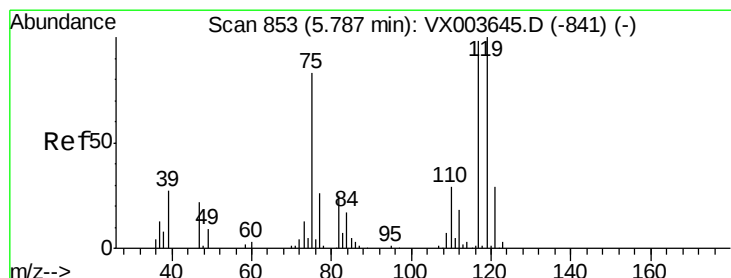
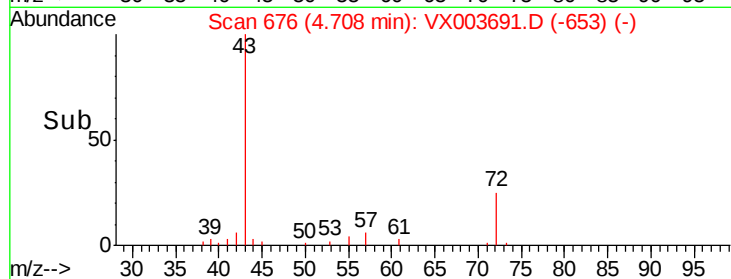
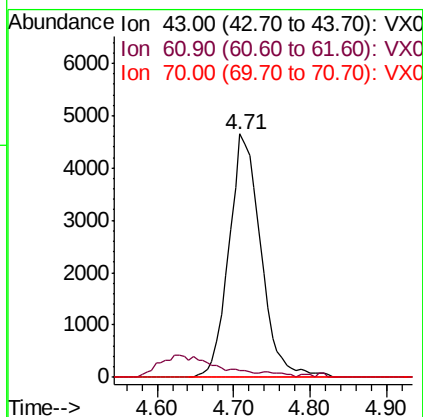
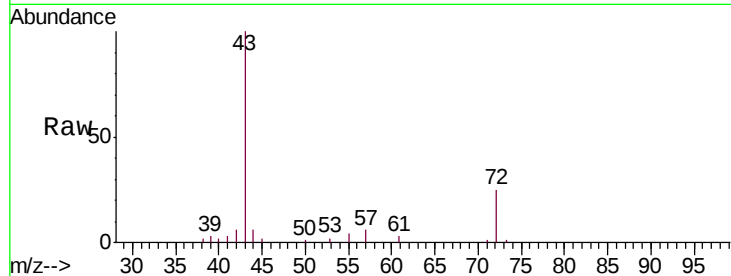




#37
Ethyl Acetate
Concen: 8.27 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.16 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

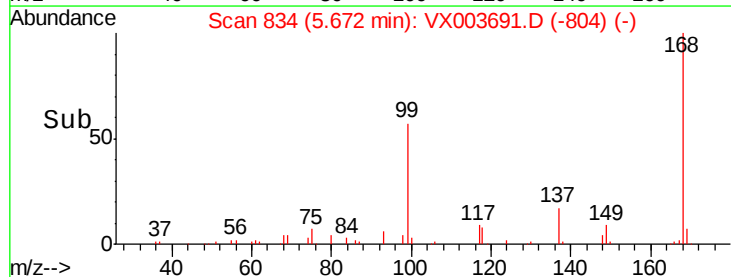
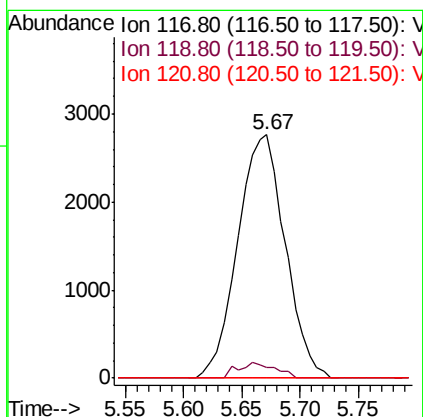
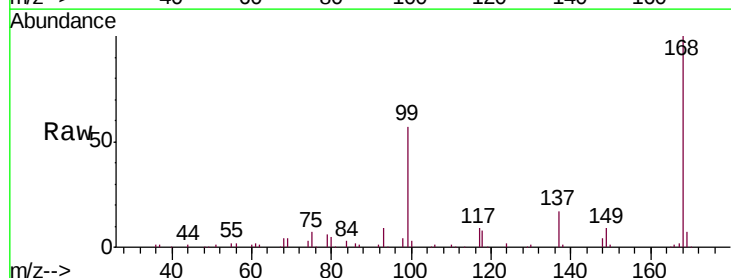
Instrument :
MSVOA_X
ClientSampleId :
FL-EB-2018-1

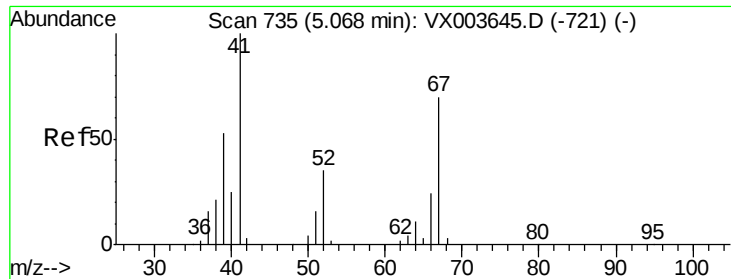
Tot Ion: 43 Resp: 13458
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 5.98 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Tgt Ion: 117 Resp: 7793
Ion Ratio Lower Upper
117 100
119 4.3 81.0 121.4#
121 0.0 23.7 35.5#

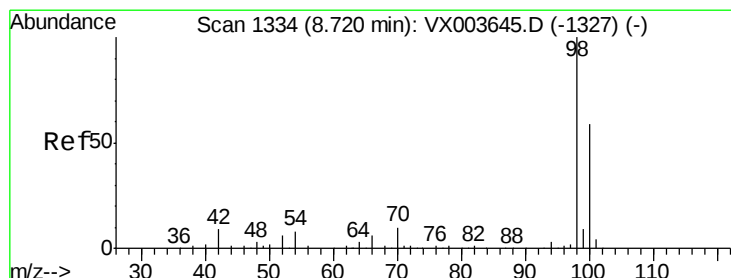
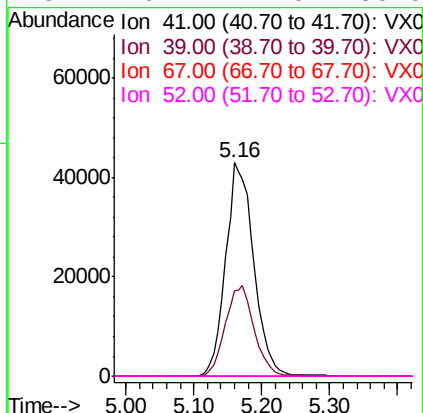
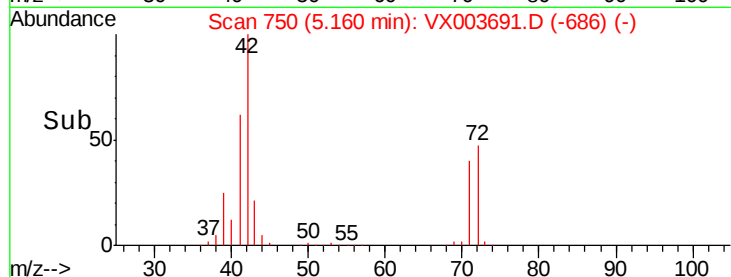
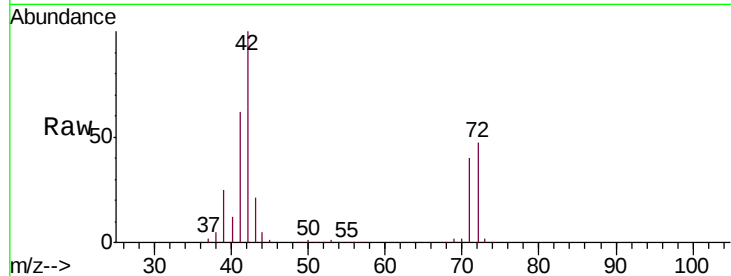




#41
Methacrylonitrile
Concen: 136.55 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.09 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

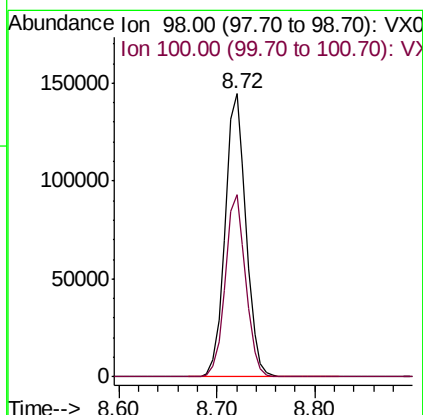
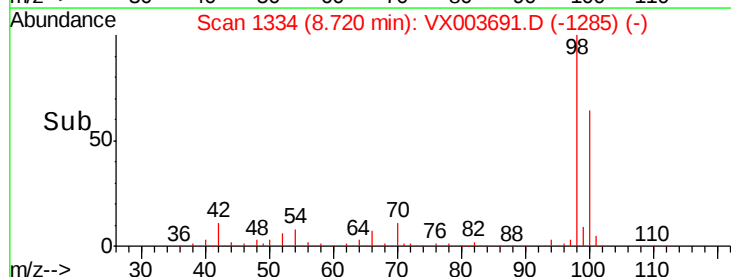
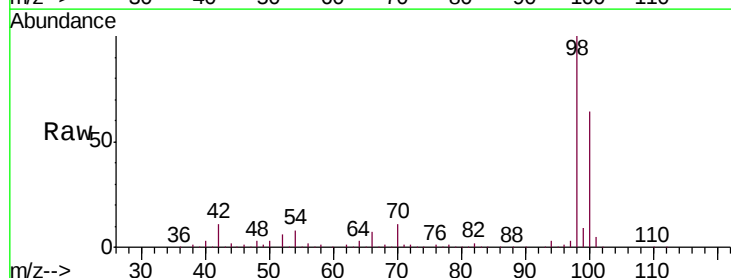
Instrument :
MSVOA_X
ClientSampleId :
FL-EB-2018-1

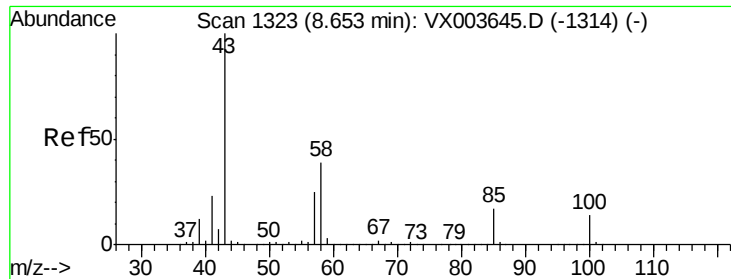
Tot Ion: 41 Resp: 122978
Ion Ratio Lower Upper
41 100
39 43.7 42.2 63.4
67 0.0 56.6 84.8#
52 0.1 24.0 36.0#



#50
Toluene-d8
Concen: 59.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Tgt Ion: 98 Resp: 213385
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

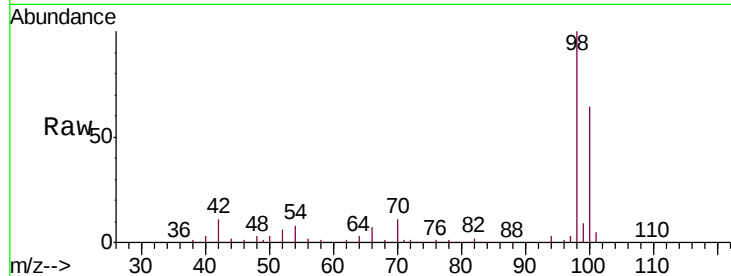
FL-EB-2018-1

Tot Ion: 43 Resp: 974

Ion Ratio Lower Upper

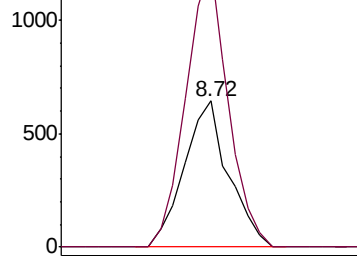
43 100

58 179.9 31.5 47.3#

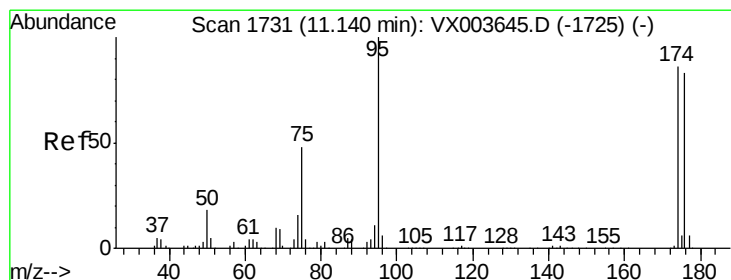
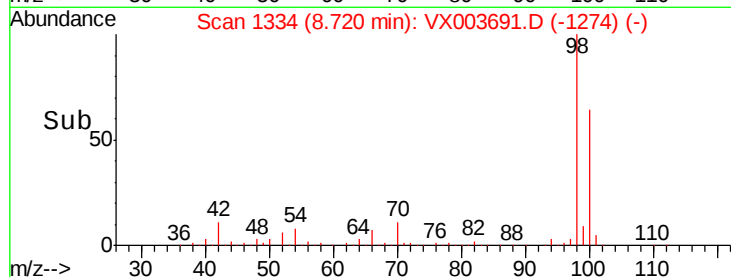


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.65 8.70 8.75



#62

4-Bromofluorobenzene

Concen: 51.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

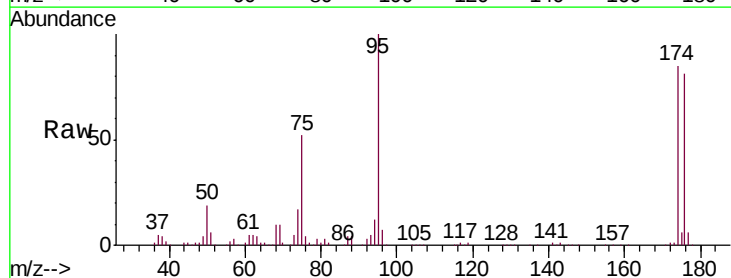
Tgt Ion: 95 Resp: 68006

Ion Ratio Lower Upper

95 100

174 88.1 0.0 179.0

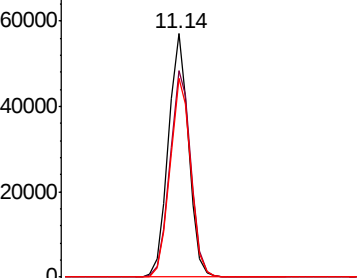
176 84.0 0.0 173.0



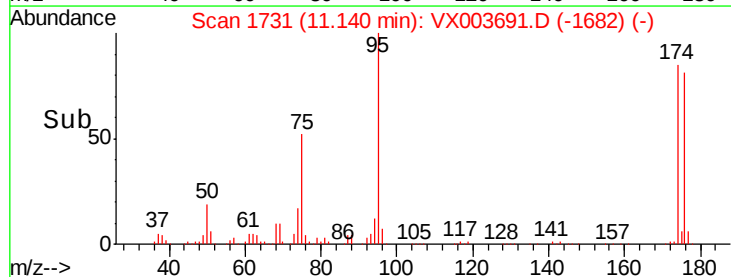
Abundance Ion 94.90 (94.60 to 95.60): VX0

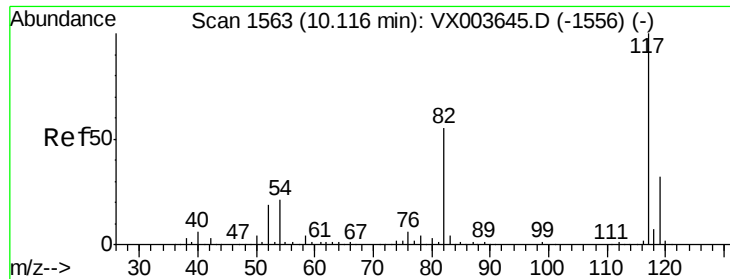
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 11.10 11.20

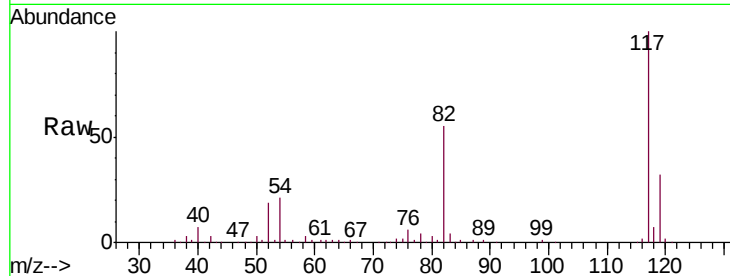




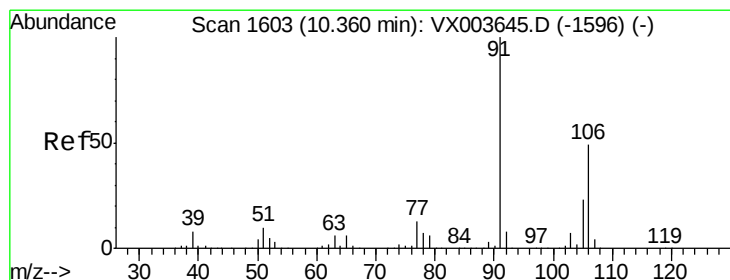
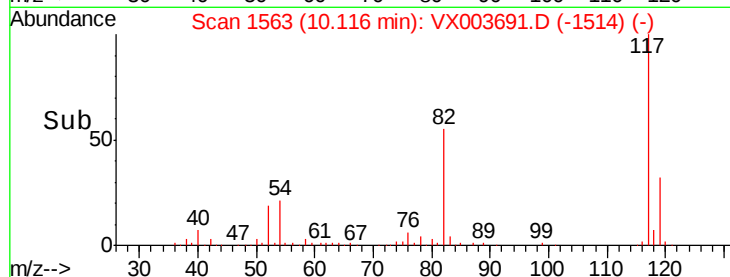
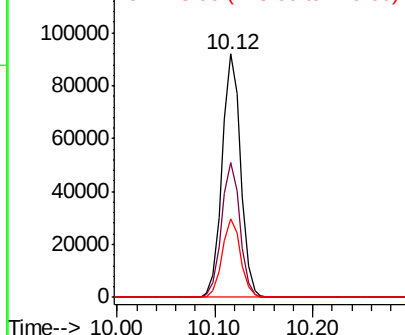
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
FL-EB-2018-1

Tot Ion:117 Resp: 121244
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 32.1 25.6 38.4

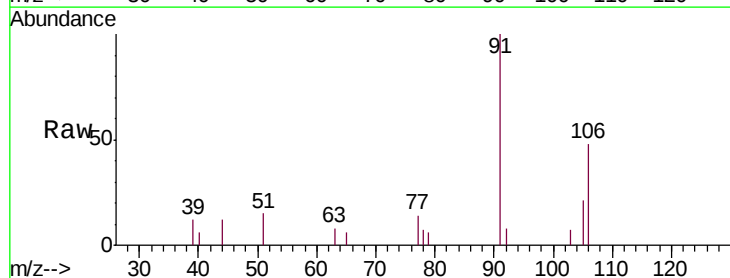


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

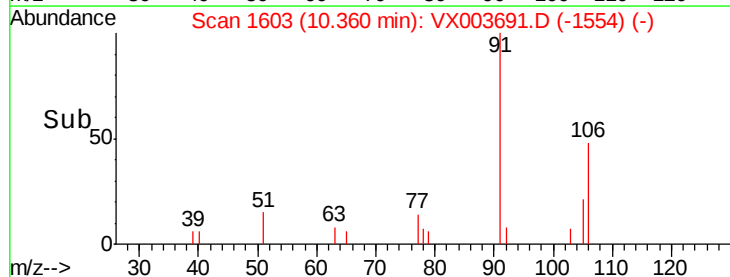
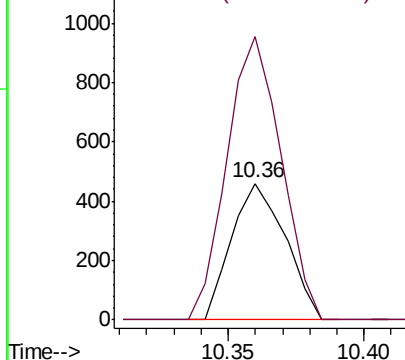


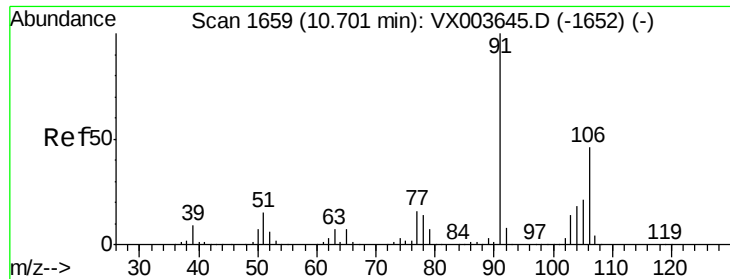
#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Tgt Ion:106 Resp: 628
Ion Ratio Lower Upper
106 100
91 209.9 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

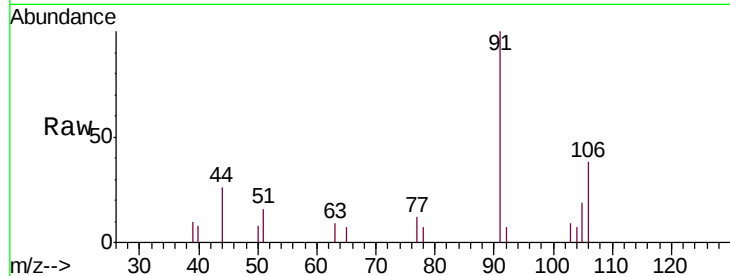




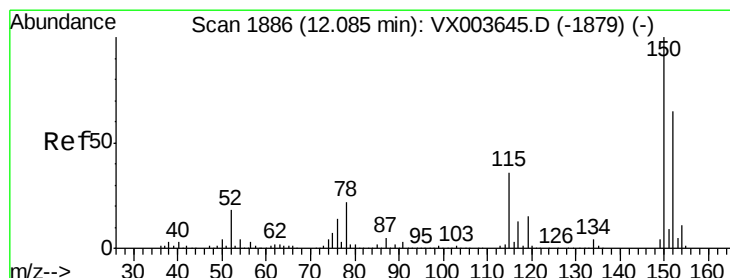
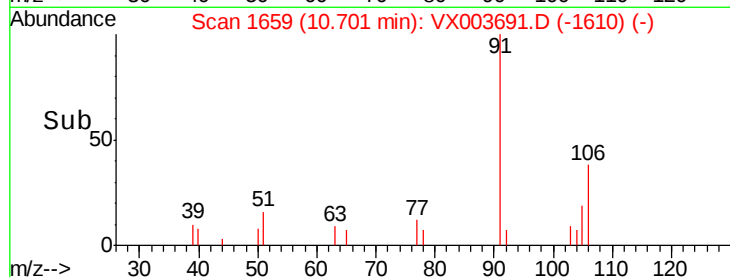
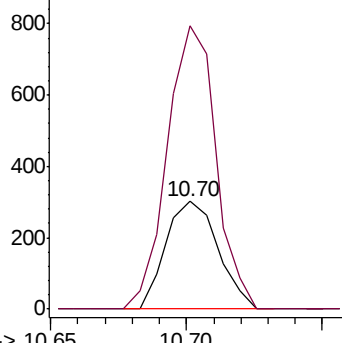
#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
FL-EB-2018-1

Tot Ion:106 Resp: 402
Ion Ratio Lower Upper
106 100
91 244.5 107.1 321.1

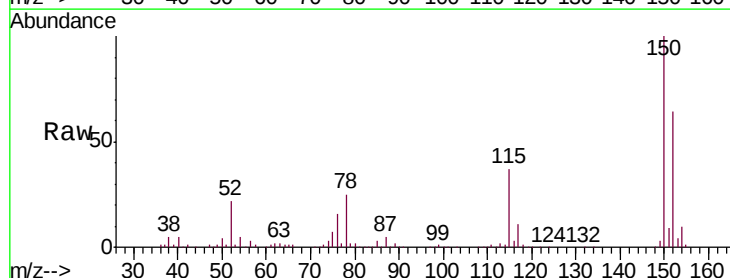


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

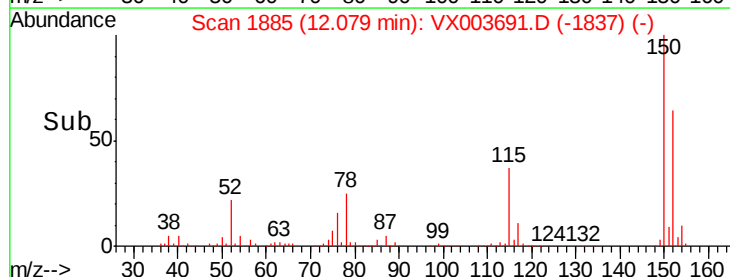
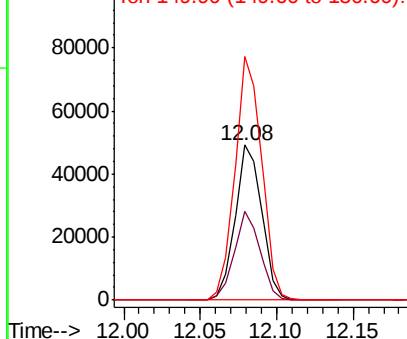


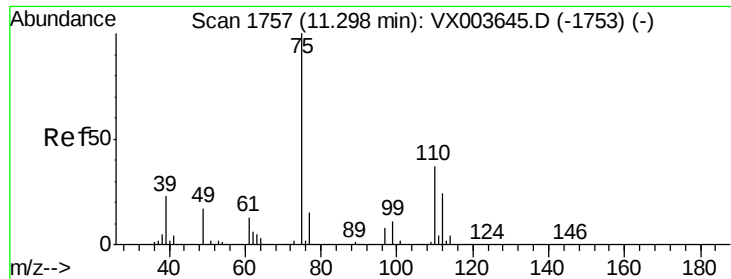
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003691.D
Acq: 27 Jul 2018 02:00

Tgt Ion:152 Resp: 59224
Ion Ratio Lower Upper
152 100
115 55.7 40.0 119.9
150 157.5 0.0 348.4



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: 28.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

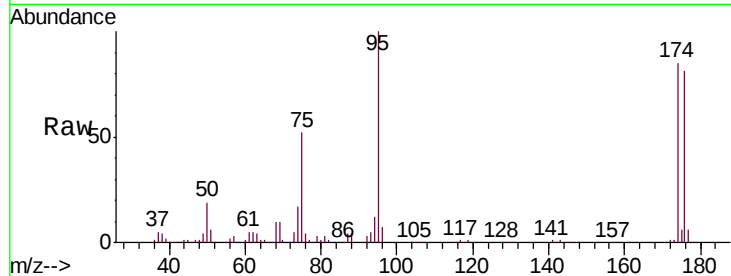
FL-EB-2018-1

Tot Ion: 75 Resp: 34820

Ion Ratio Lower Upper

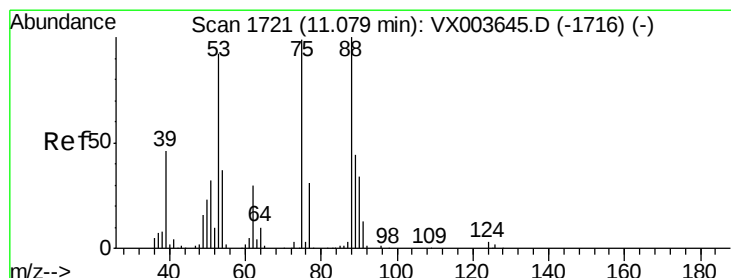
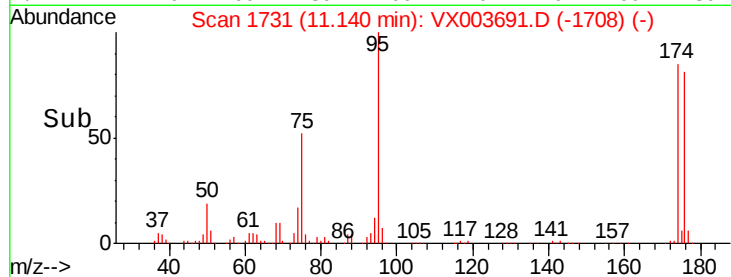
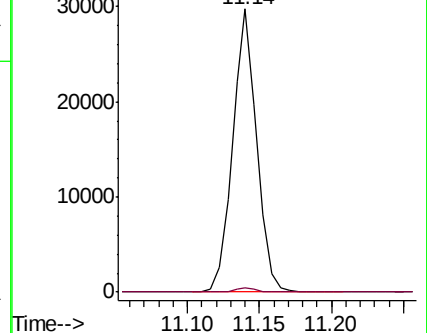
75 100

77 1.3 21.6 64.6#



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: 86.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

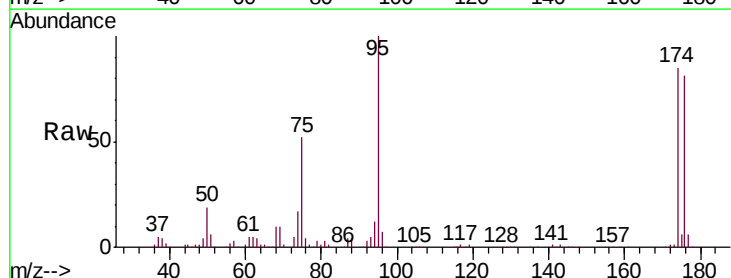
Tgt Ion: 75 Resp: 34820

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

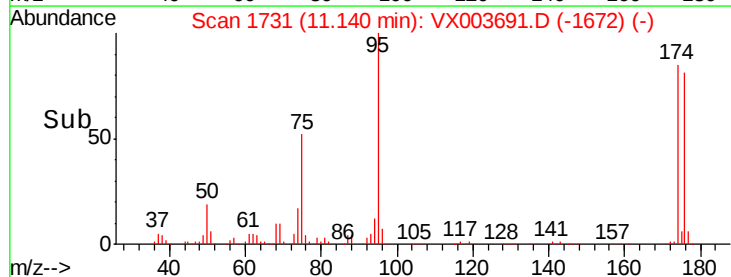
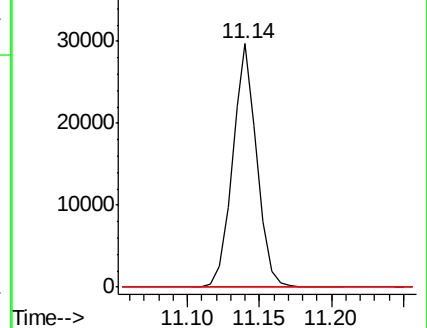
89 0.0 36.6 54.8#

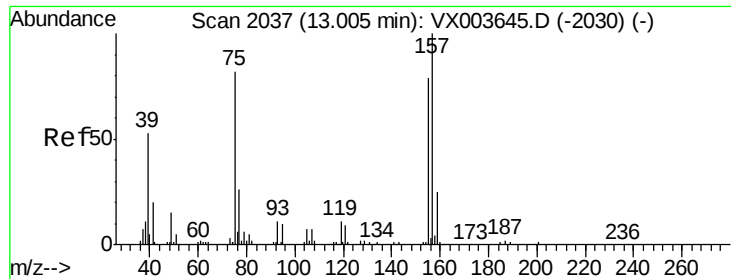


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.45 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.18 min

Lab File: VX003691.D

Acq: 27 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

FL-EB-2018-1

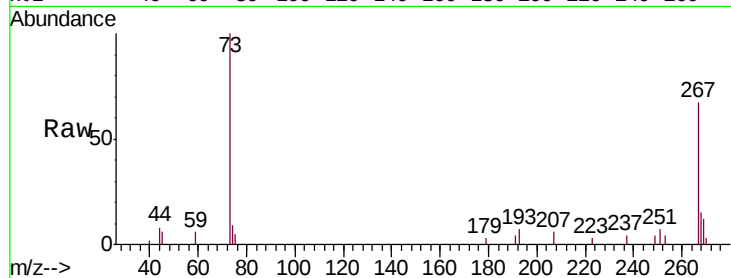
Tot Ion: 75 Resp: 139

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

