

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009720.D
 Acq On : 20 May 2019 12:55
 Operator : JC/SP
 Sample : K2906-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-TB-051619

Quant Time: May 21 07:40:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	283675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102089	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117502	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	5.50	113	86540	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.71	98	357242	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	113902	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

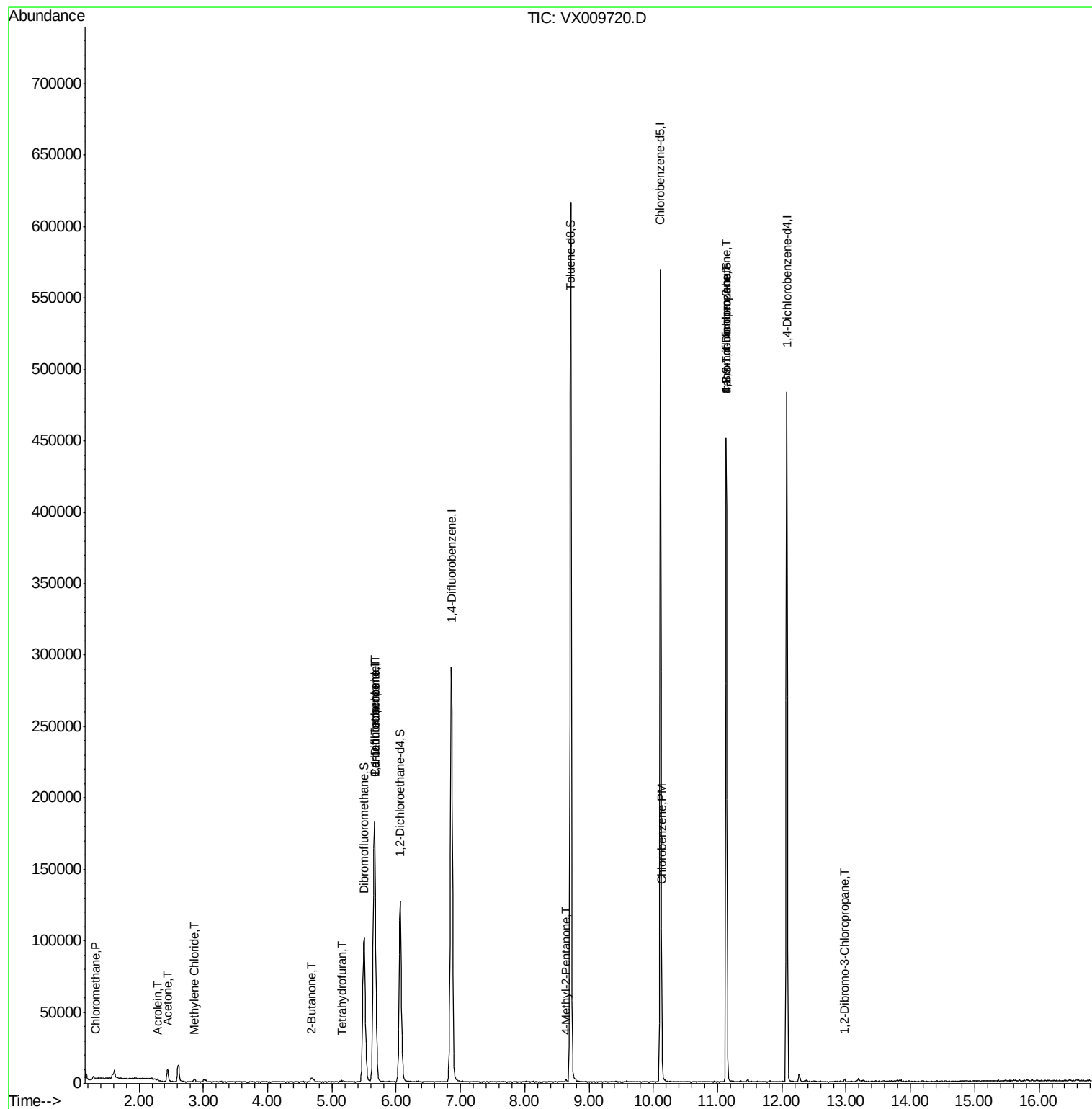
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	511	0.230	ug/l #	72
13) Acrolein	2.29	56	114	0.226	ug/l #	61
16) Acetone	2.45	43	10151	7.848	ug/l	97
20) Methylene Chloride	2.85	84	857	0.409	ug/l #	92
25) 2-Butanone	4.68	43	2201	1.095	ug/l #	89
28) Bromochloromethane	5.02	49	59	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1362	1.053	ug/l #	59
36) 1,1-Dichloropropene	5.66	75	13998	5.310	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16864	7.041	ug/l #	15
51) 4-Methyl-2-Pentanone	8.64	43	1432	0.373	ug/l	94
65) Chlorobenzene	10.13	112	2194	0.442	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	58875	24.862	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58875	63.612	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	371	0.598	ug/l #	2

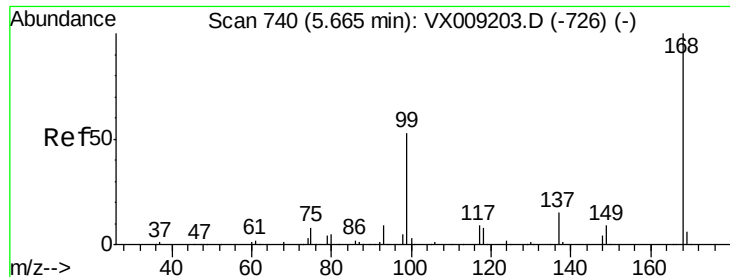
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052019\
Data File : VX009720.D
Acq On : 20 May 2019 12:55
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Sample : K2906-06
Misc : 5.0mL/MSVOA X/WATER
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ClientSampleId :
FEQC-TB-051619

Quant Time: May 21 07:40:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

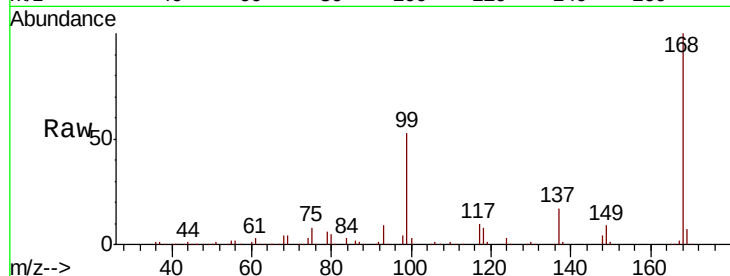
FEQC-TB-051619

Tot Ion:168 Resp: 176462

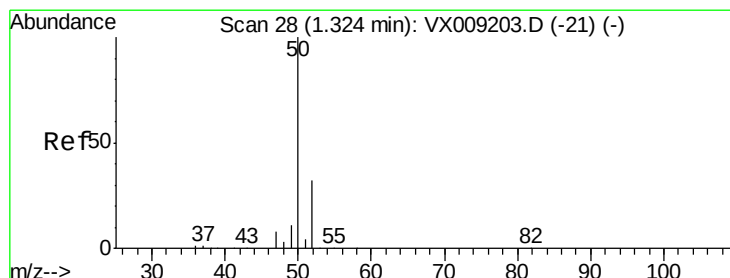
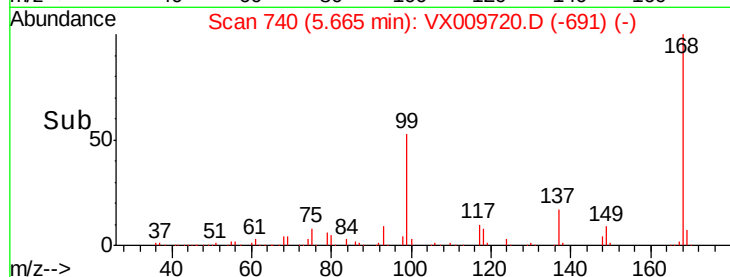
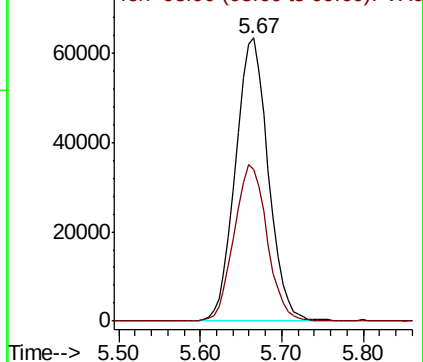
Ion Ratio Lower Upper

168 100

99 53.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009720.D (-691) (-)



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009720.D

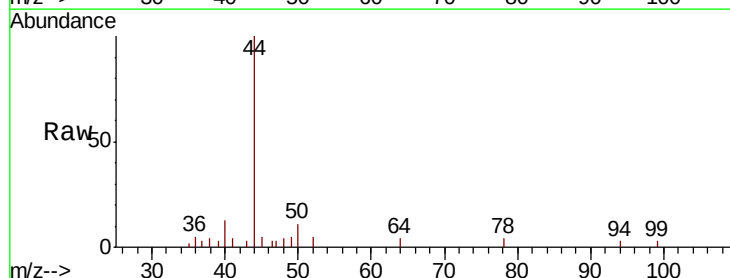
Acq: 20 May 2019 12:55

Tgt Ion: 50 Resp: 511

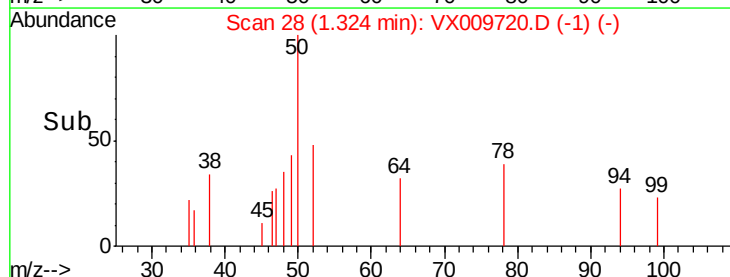
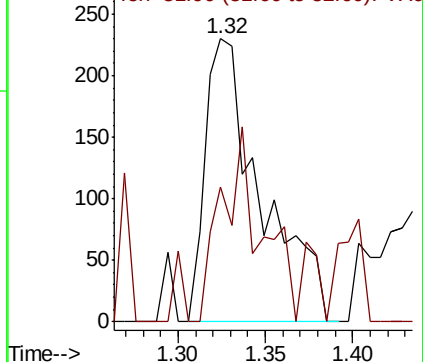
Ion Ratio Lower Upper

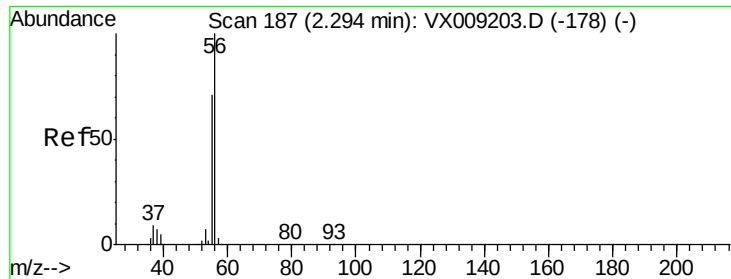
50 100

52 47.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX009720.D (-1) (-)





#13

Acrolein

Concen: 0.226 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

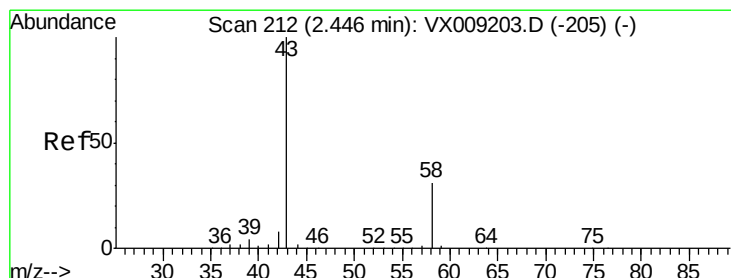
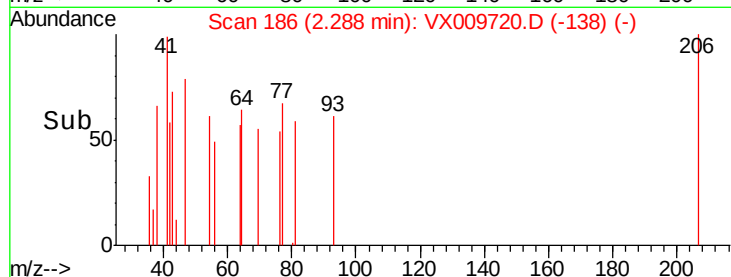
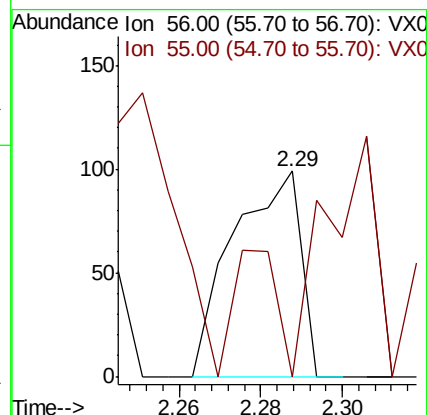
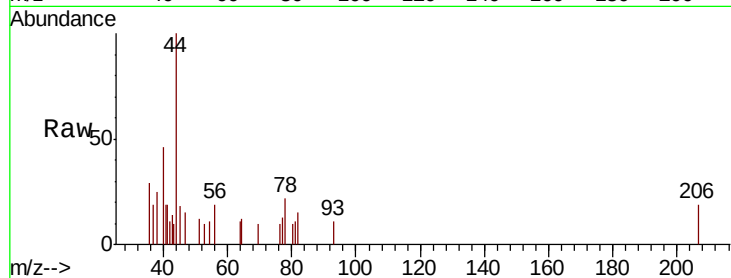
FEQC-TB-051619

Tot Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 38.6 56.6 85.0#



#16

Acetone

Concen: 7.848 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009720.D

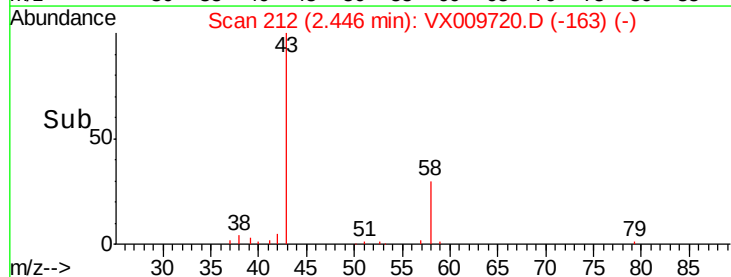
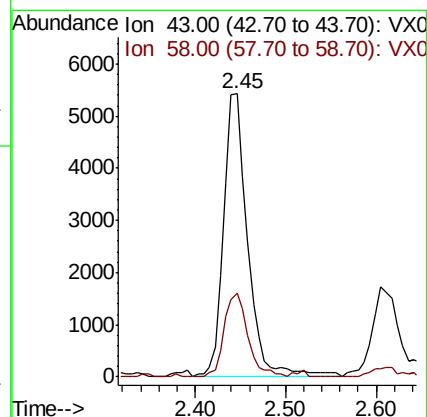
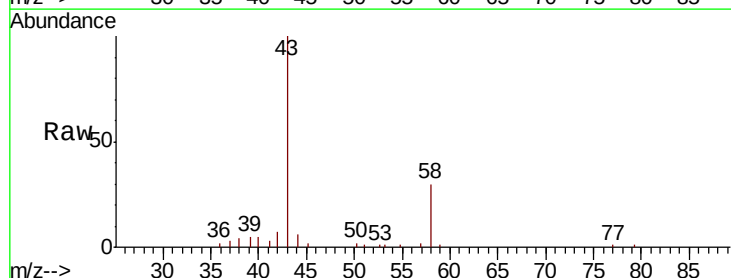
Acq: 20 May 2019 12:55

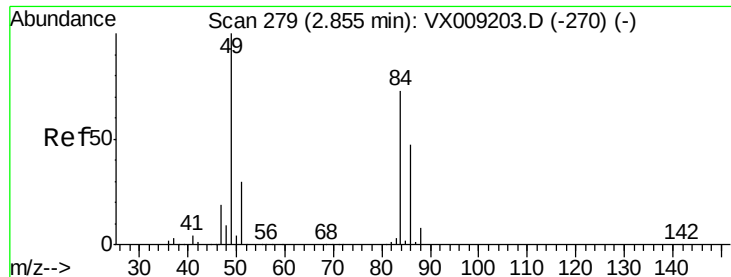
Tgt Ion: 43 Resp: 10151

Ion Ratio Lower Upper

43 100

58 29.5 24.9 37.3

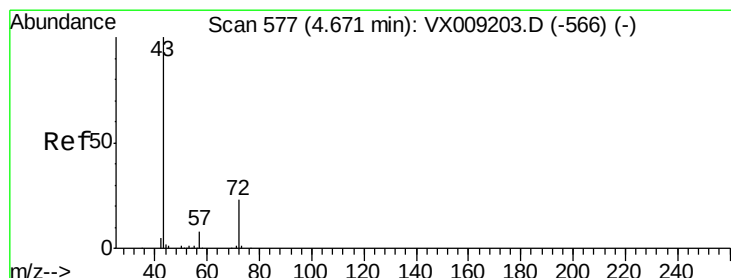
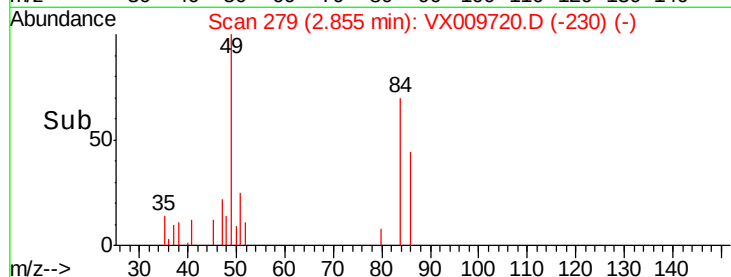
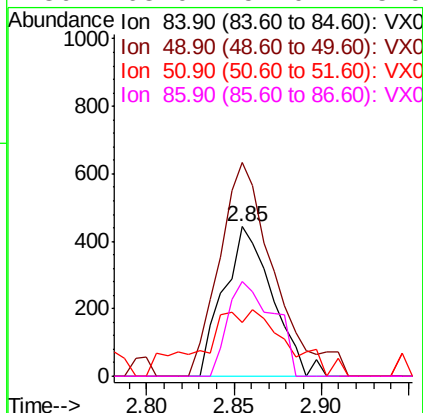
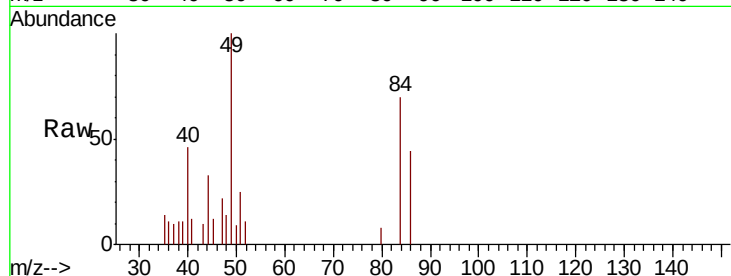




#20
Methvlene Chloride
Concen: 0.409 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009720.D
Acq: 20 May 2019 12:55

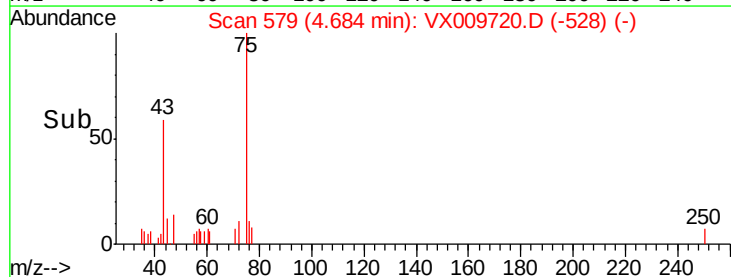
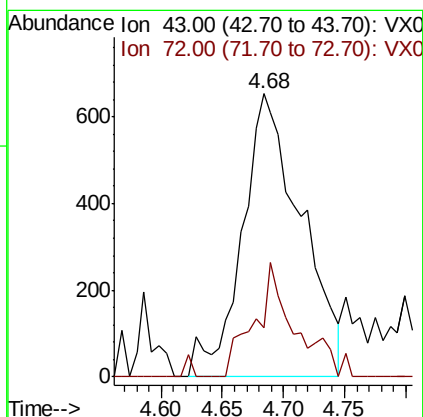
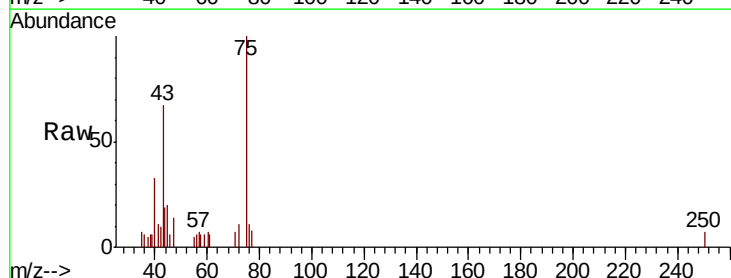
Instrument :
MSVOA_X
ClientSampleId :
FEQC-TB-051619

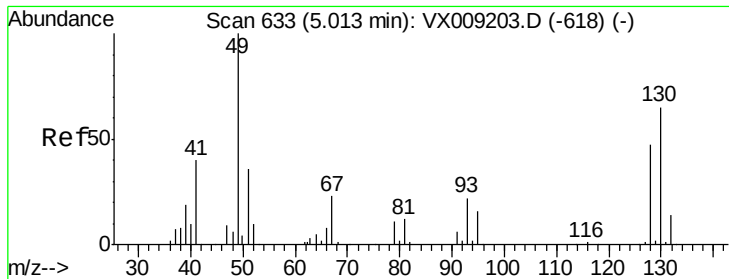
Tot Ion: 84 Resp: 857
Ion Ratio Lower Upper
84 100
49 142.9 109.9 164.9
51 23.7 32.7 49.1#
86 63.0 52.0 78.0



#25
2-Butanone
Concen: 1.095 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX009720.D
Acq: 20 May 2019 12:55

Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
72 17.2 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

FEQC-TB-051619

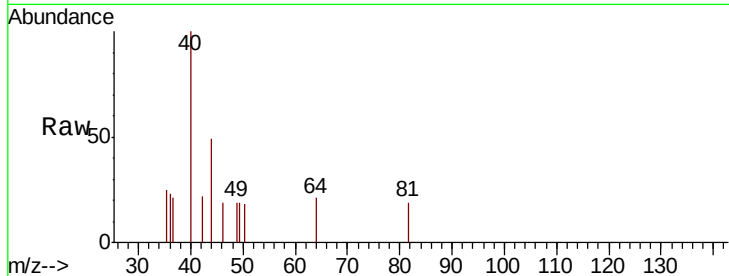
Tot Ion: 49 Resp: 59

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



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

150

100

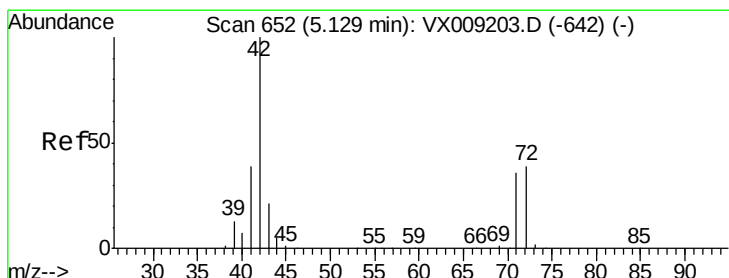
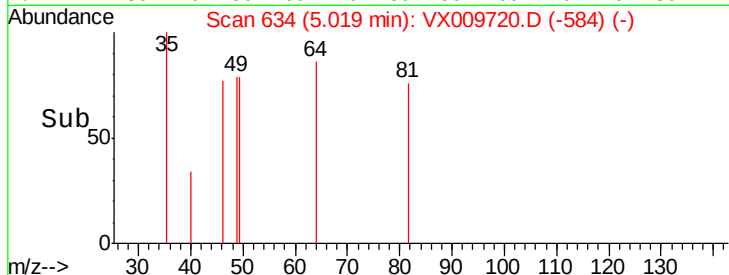
50

0

5.02

5.04

Time-->



#29

Tetrahydrofuran

Concen: 1.053 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

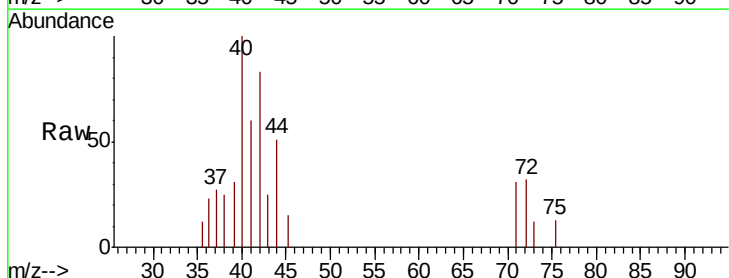
Tgt Ion: 42 Resp: 1362

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

71 25.3 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

400

300

200

100

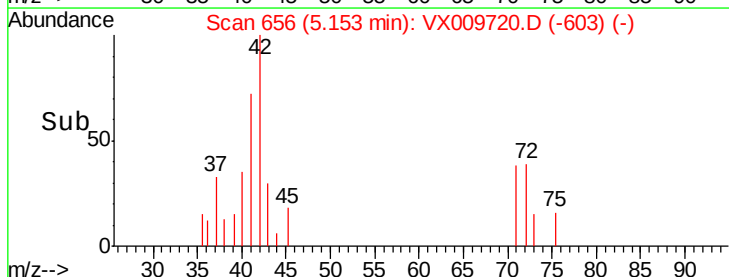
0

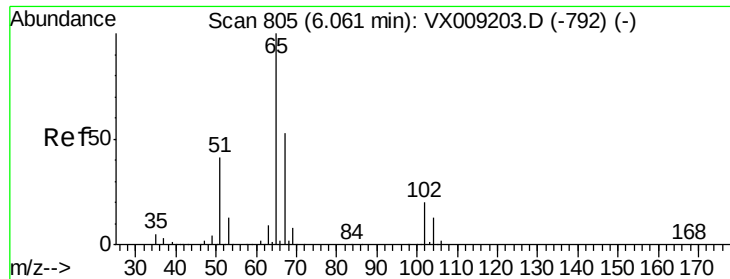
5.15

5.20

5.25

Time-->

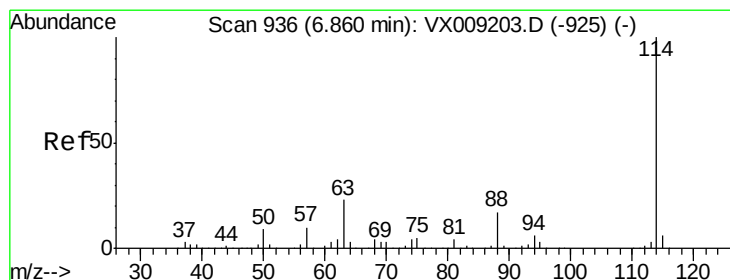
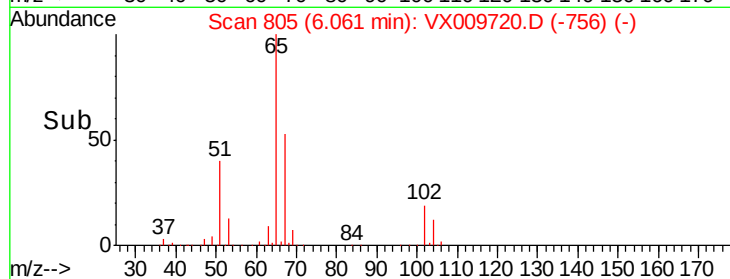
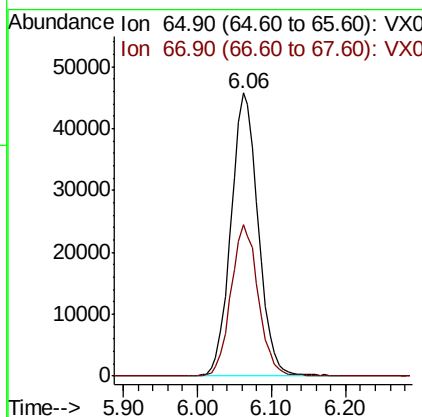
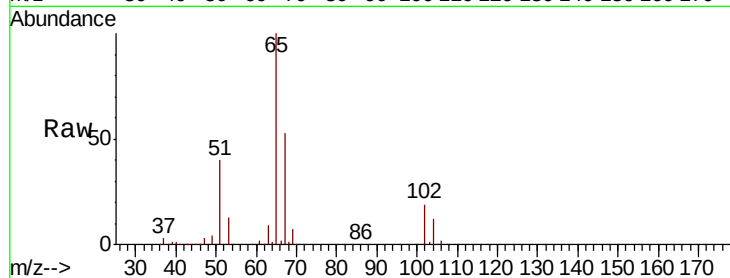




#33
 1,2-Dichloroethane-d4
 Concen: 48.778 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009720.D
 Acq: 20 May 2019 12:55

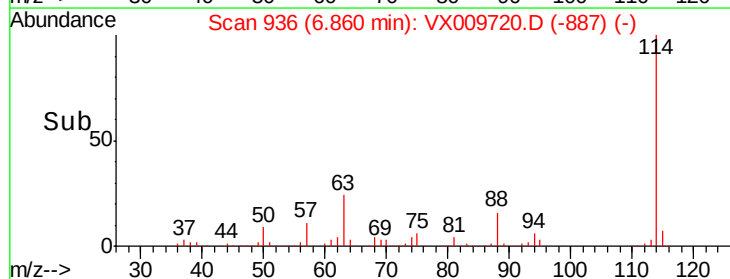
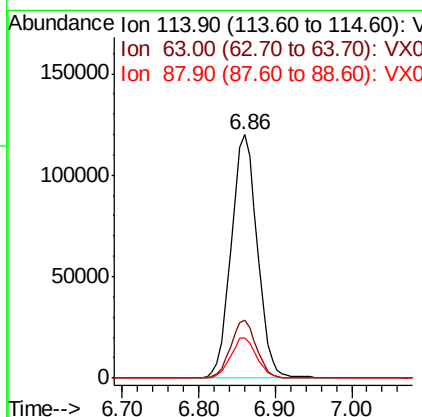
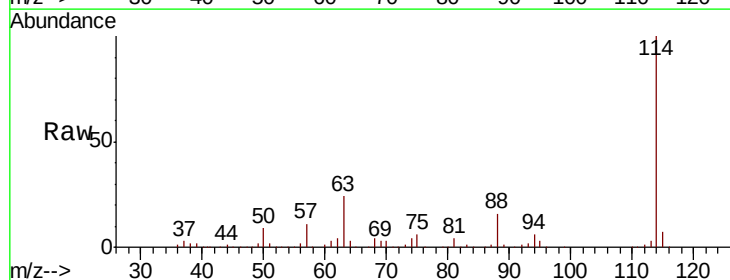
Instrument :
 MSVOA_X
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 FEQC-TB-051619

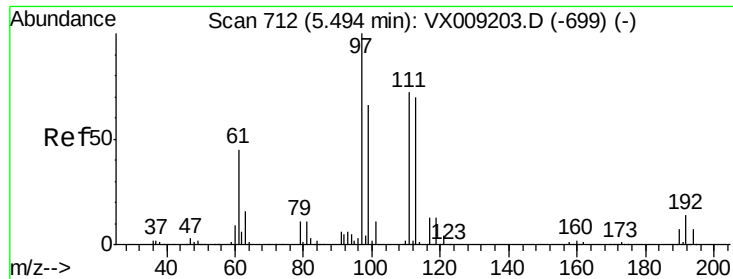
Tot Ion: 65 Resp: 117502
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009720.D
 Acq: 20 May 2019 12:55

Tgt Ion: 114 Resp: 283675
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.3 0.0 33.2

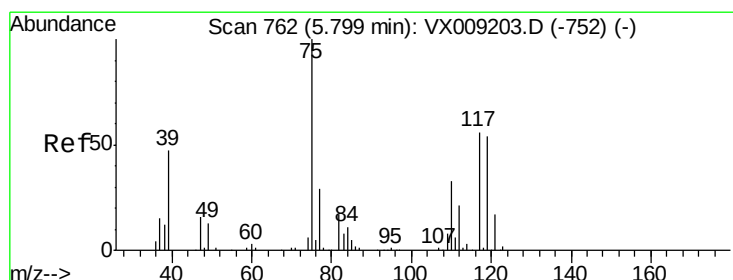
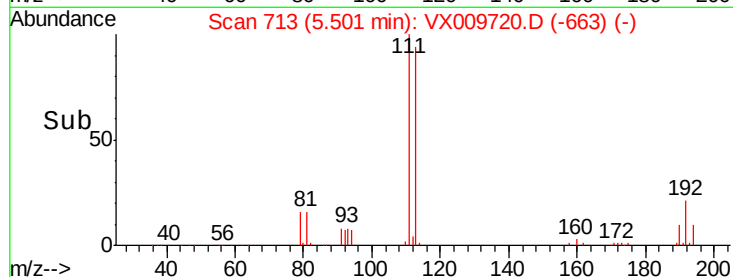
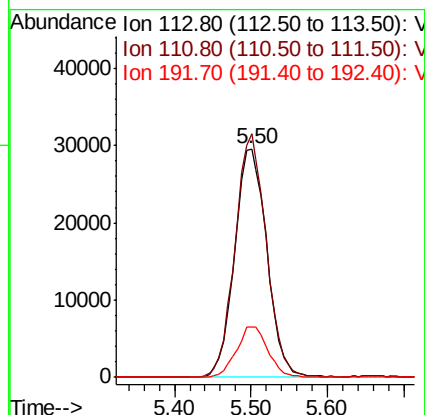
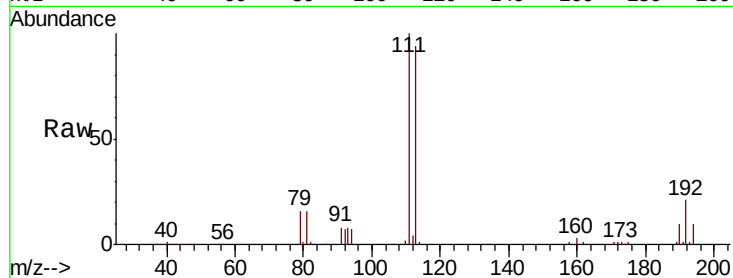




#35
 Dibromofluoromethane
 Concen: 48.528 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009720.D
 Acq: 20 May 2019 12:55

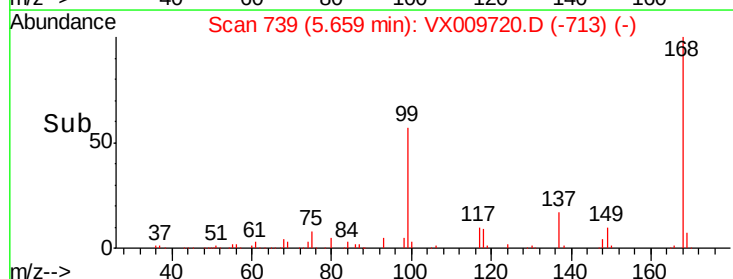
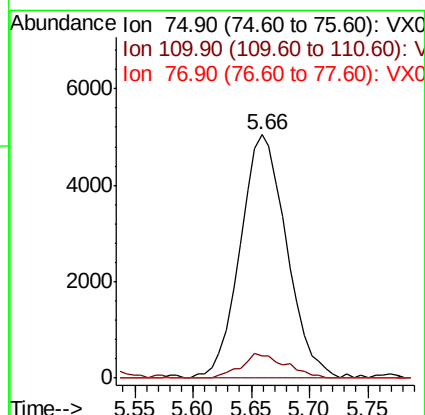
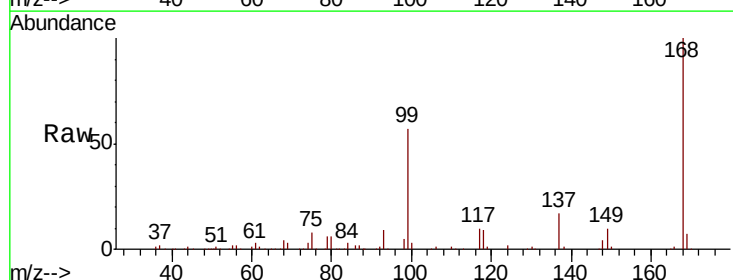
Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-TB-051619

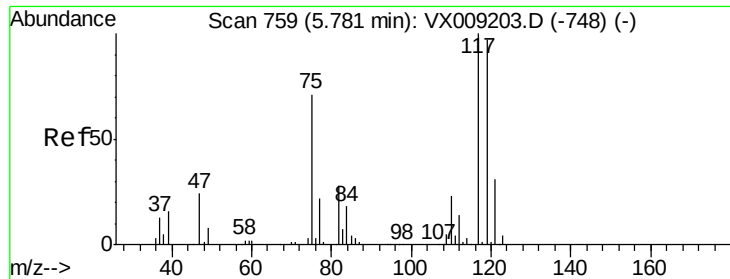
Tot Ion:113 Resp: 86540
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.310 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009720.D
 Acq: 20 May 2019 12:55

Tgt Ion: 75 Resp: 13998
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.041 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

FEQC-TB-051619

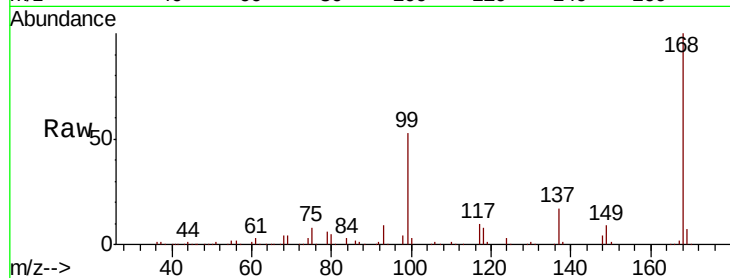
Tot Ion:117 Resp: 16864

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

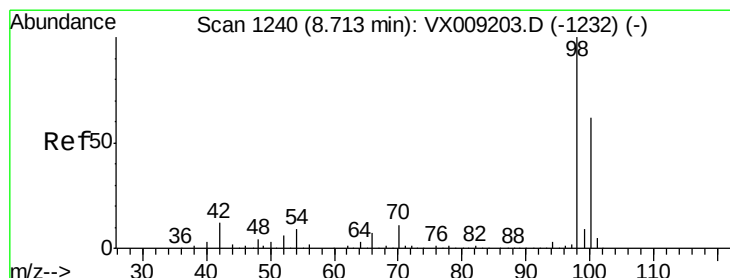
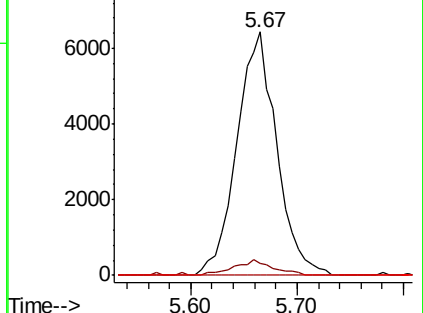
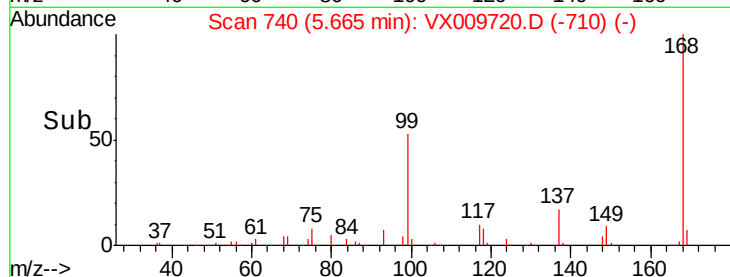
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.620 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009720.D

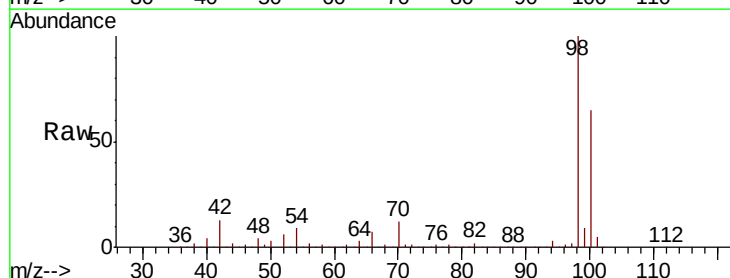
Acq: 20 May 2019 12:55

Tgt Ion: 98 Resp: 357242

Ion Ratio Lower Upper

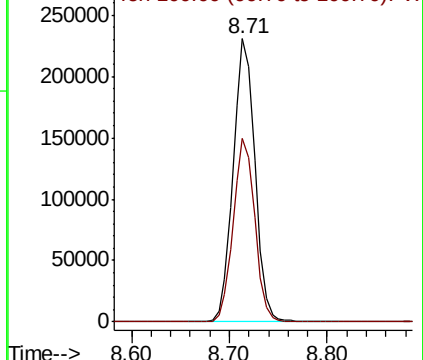
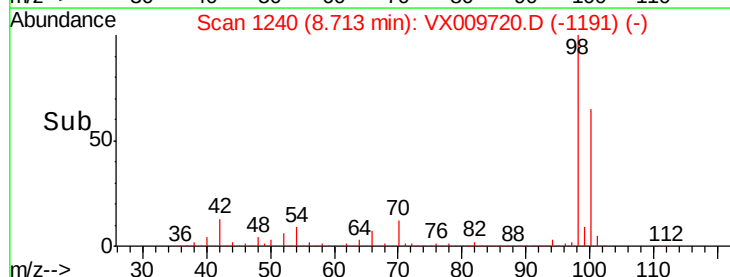
98 100

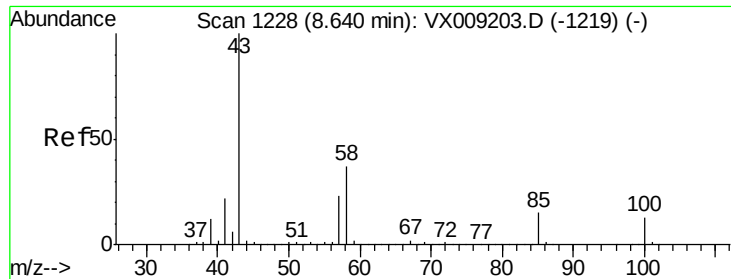
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.373 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

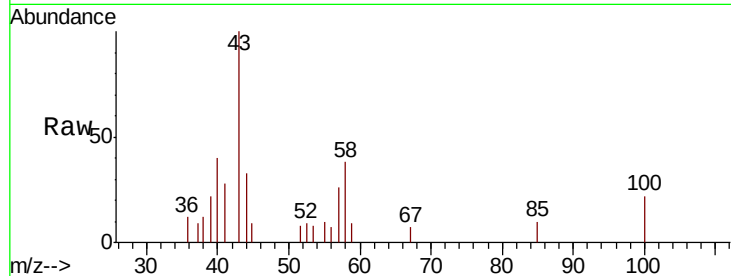
FEQC-TB-051619

Tot Ion: 43 Resp: 1432

Ion Ratio Lower Upper

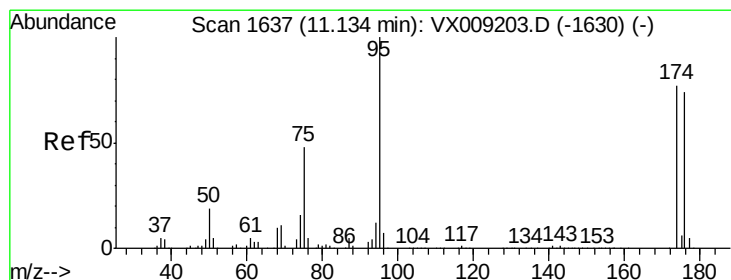
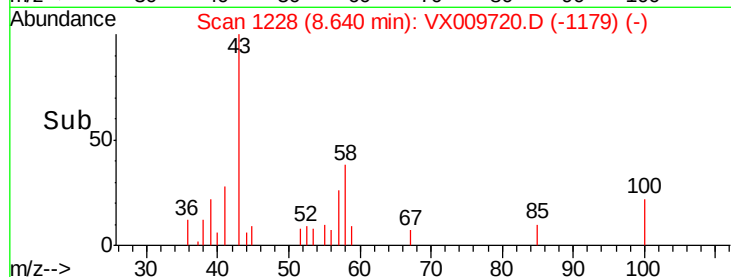
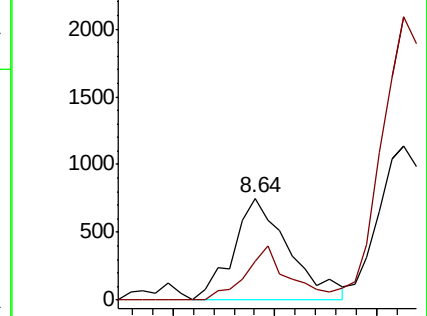
43 100

58 40.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.539 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

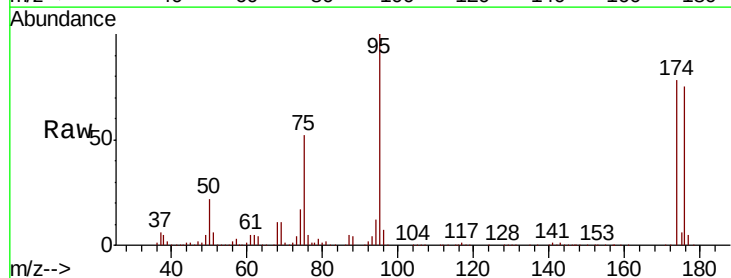
Tgt Ion: 95 Resp: 113902

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

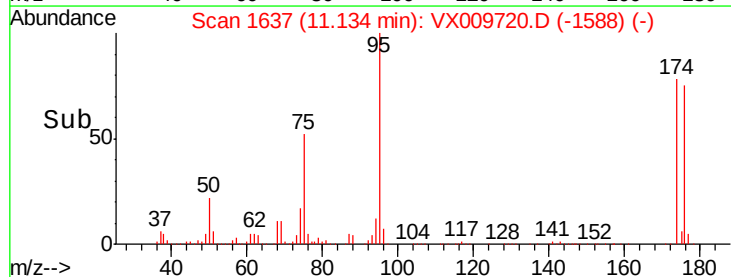
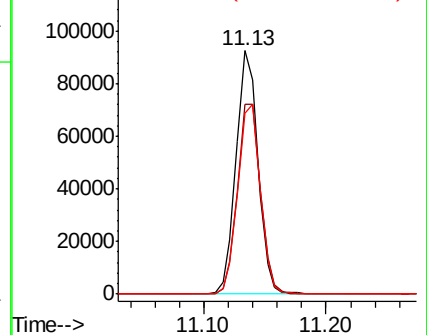
176 80.7 0.0 159.2

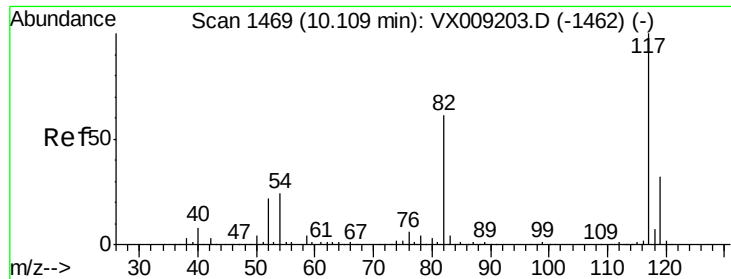


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

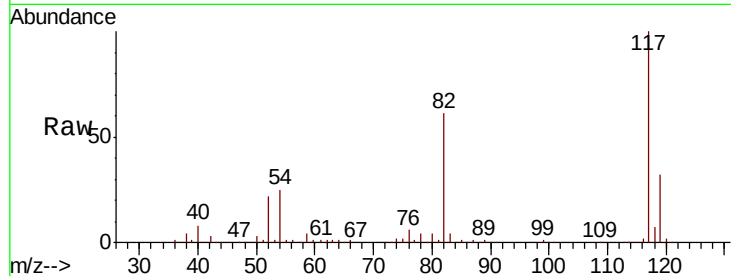




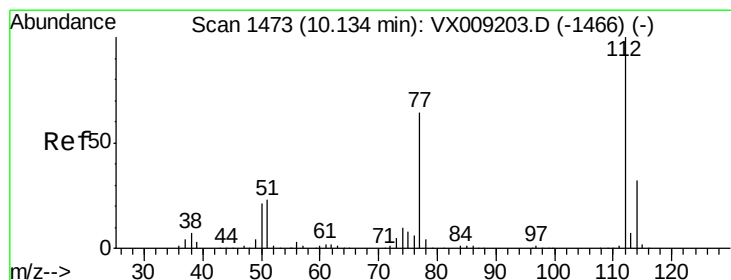
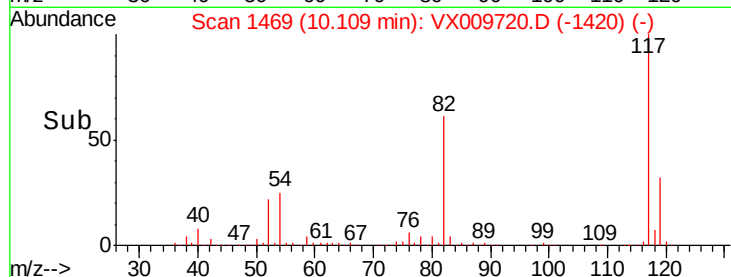
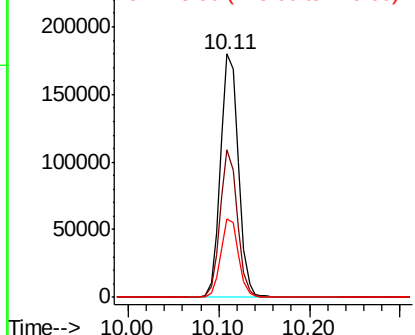
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009720.D
Acq: 20 May 2019 12:55

Instrument :
MSVOA_X
ClientSampleId :
FEQC-TB-051619

Tot Ion:117 Resp: 248223
Ion Ratio Lower Upper
117 100
82 60.7 48.8 73.2
119 32.2 25.8 38.6

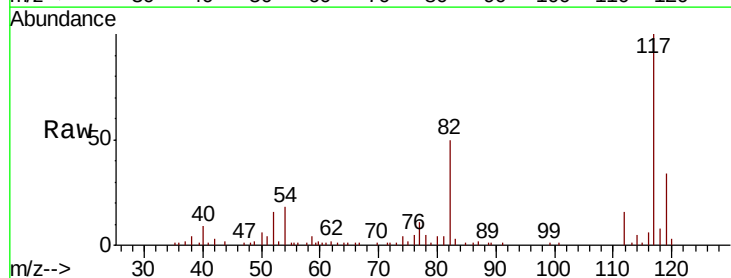


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

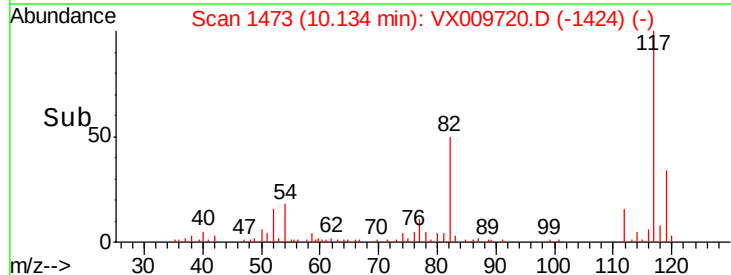
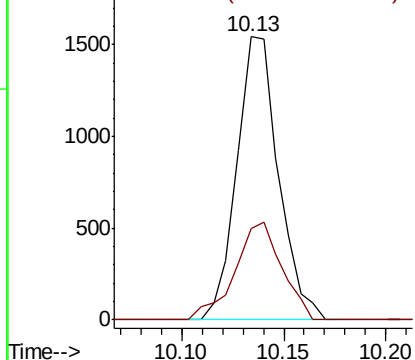


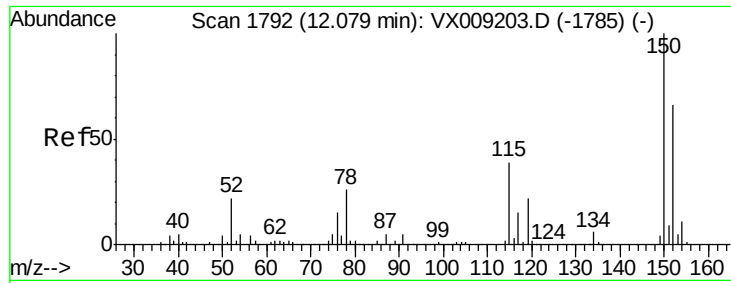
#65
Chlorobenzene
Concen: 0.442 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009720.D
Acq: 20 May 2019 12:55

Tgt Ion:112 Resp: 2194
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

FEQC-TB-051619

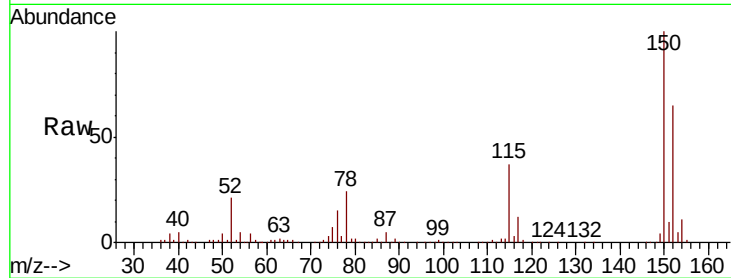
Tot Ion:152 Resp: 102089

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

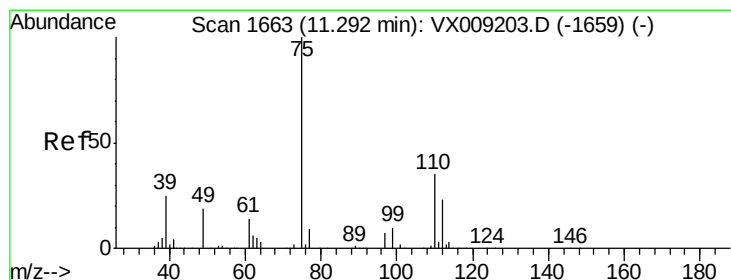
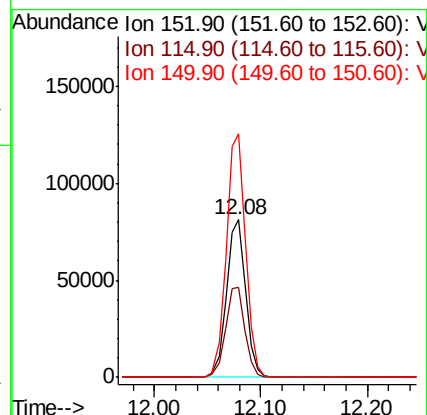
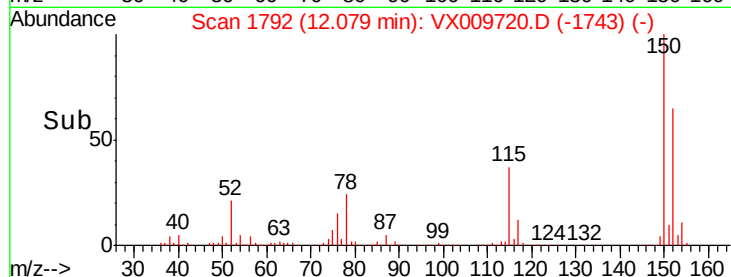
150 155.0 0.0 346.4



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: 24.862 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009720.D

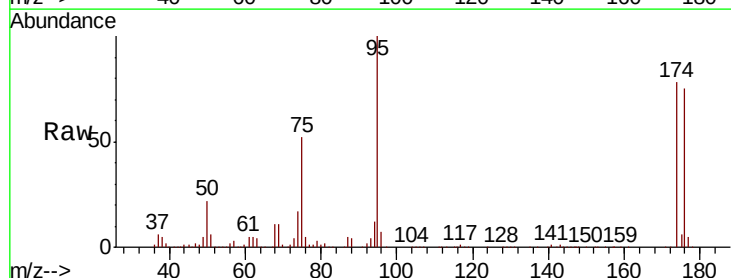
Acq: 20 May 2019 12:55

Tgt Ion: 75 Resp: 58875

Ion Ratio Lower Upper

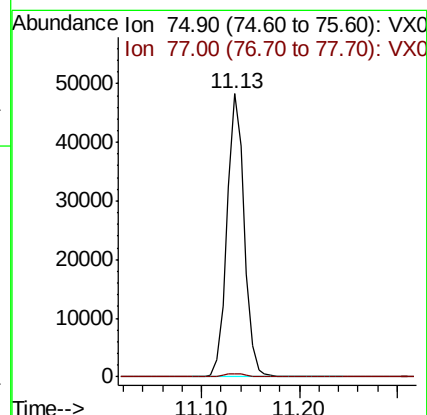
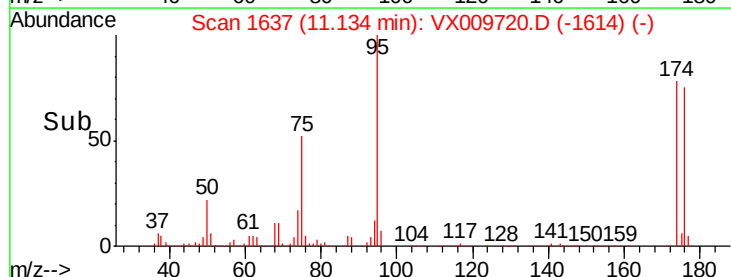
75 100

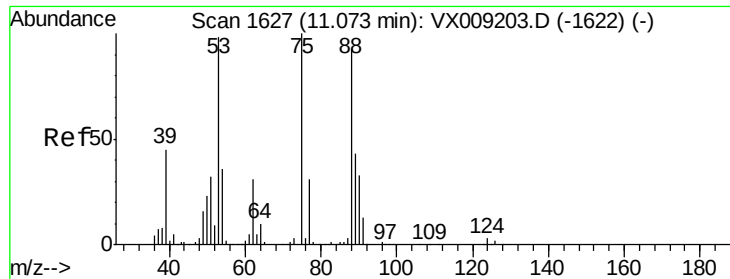
77 1.5 22.1 66.1#



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: 63.612 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

FEQC-TB-051619

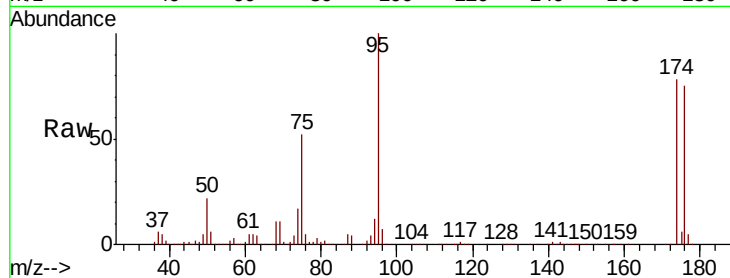
Tot Ion: 75 Resp: 58875

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

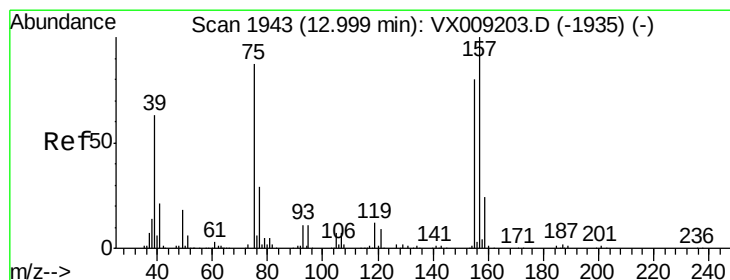
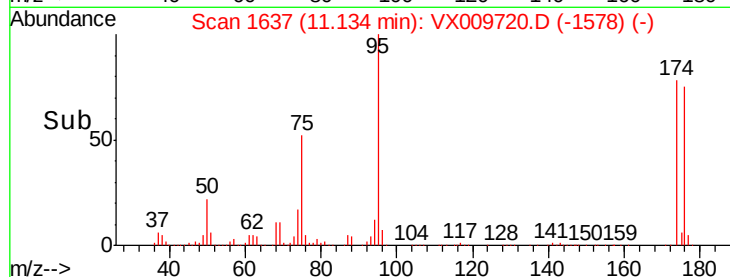
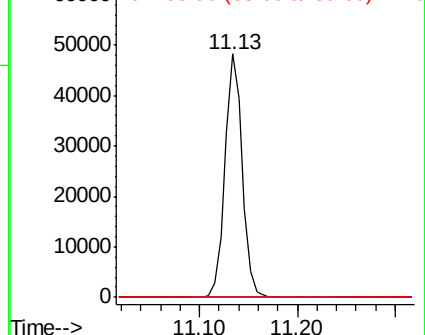
89 0.0 34.7 52.1#



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: 0.598 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX009720.D

Acq: 20 May 2019 12:55

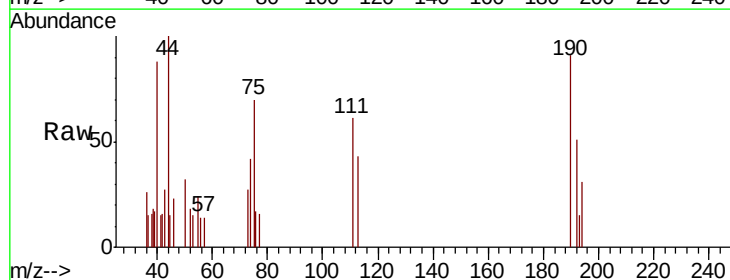
Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

155 0.0 42.0 126.0#

157 0.0 53.2 159.6#



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

