

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009886.D
 Acq On : 24 May 2019 15:00
 Operator : JC/SP
 Sample : K3036-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-FB-052319

Quant Time: May 25 00:13:48 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	174651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280981	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110739	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	121613	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
35) Dibromofluoromethane	5.49	113	86289	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	359843	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	121482	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

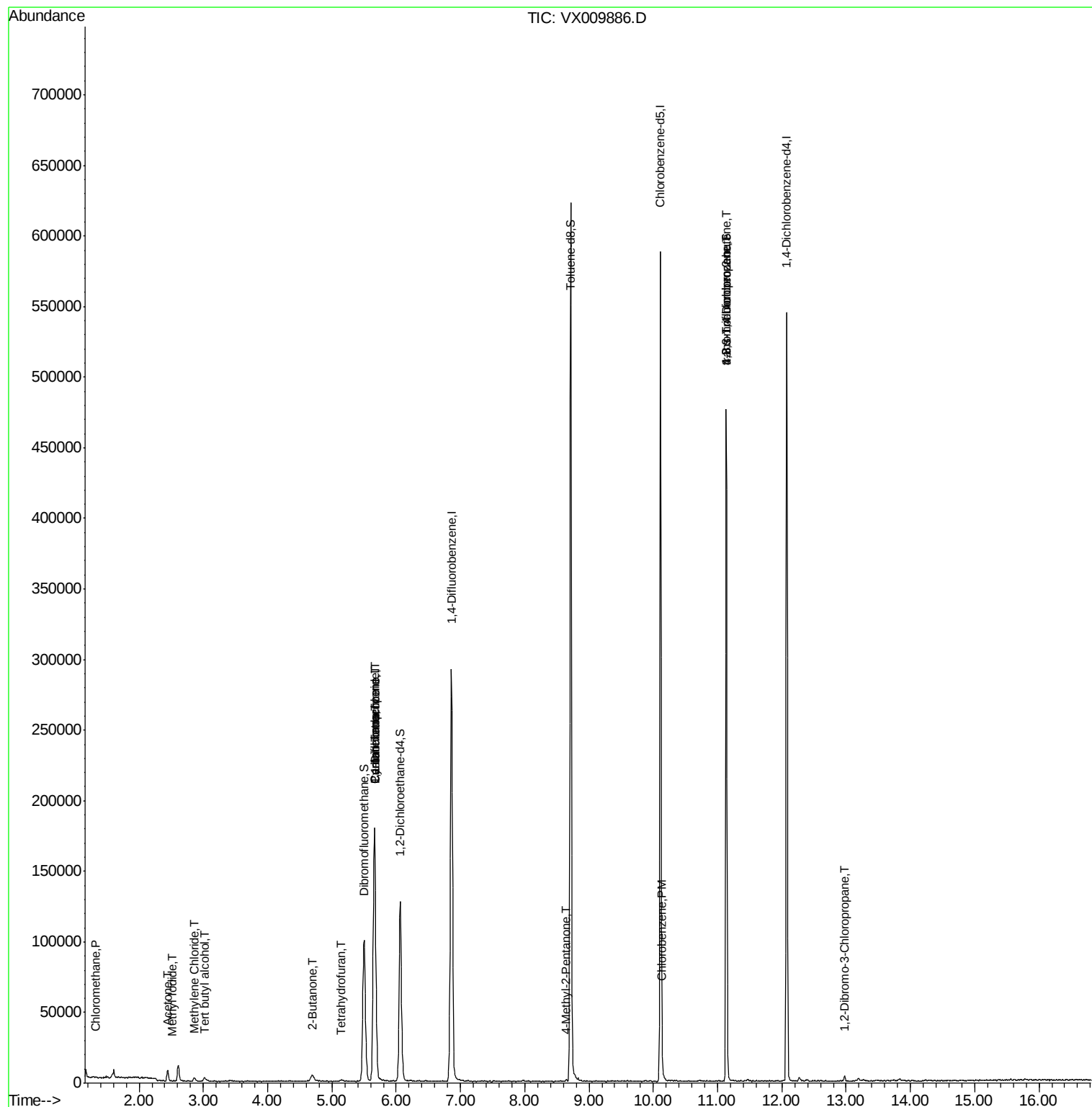
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	601	0.274	ug/l	89
10) Methyl Iodide	2.51	142	25	4.606	ug/l #	42
11) Tert butyl alcohol	3.03	59	2006	3.635	ug/l #	82
16) Acetone	2.44	43	8945	6.987	ug/l	94
20) Methylene Chloride	2.85	84	978	0.472	ug/l #	83
25) 2-Butanone	4.70	43	2159	1.085	ug/l	94
28) Bromochloromethane	5.01	49	42	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	1269	0.991	ug/l #	72
31) Cyclohexane	5.66	56	4294	1.218	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14126	5.410	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16527	6.966	ug/l #	16
51) 4-Methyl-2-Pentanone	8.64	43	1071	0.282	ug/l #	82
65) Chlorobenzene	10.14	112	1726	0.342	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	64078	24.945	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64078	63.826	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	626	0.930	ug/l #	2

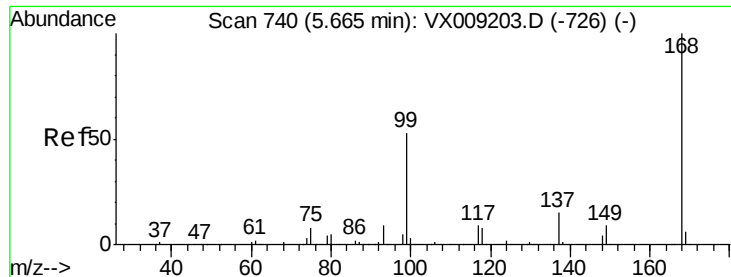
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052419\
Data File : VX009886.D
Acq On : 24 May 2019 15:00
Operator : JC/SP
Sample : K3036-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-052319

Quant Time: May 25 00:13:48 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: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

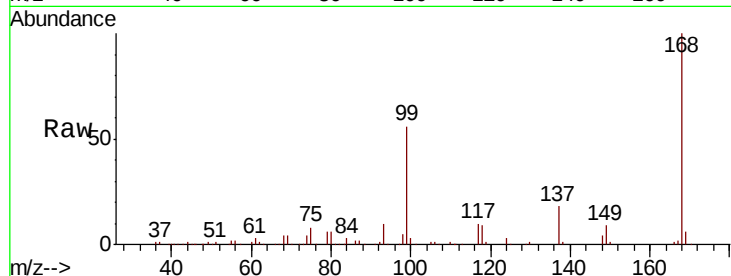
FEQC-FB-052319

Tot Ion:168 Resp: 174651

Ion Ratio Lower Upper

168 100

99 56.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

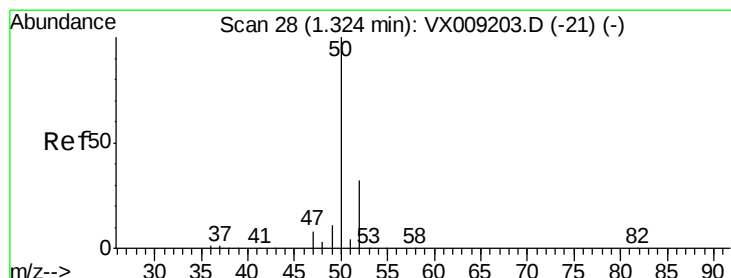
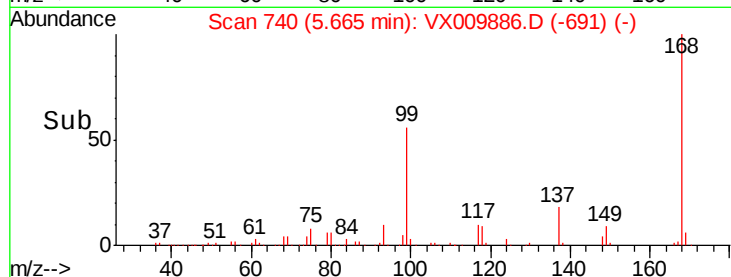
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.274 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009886.D

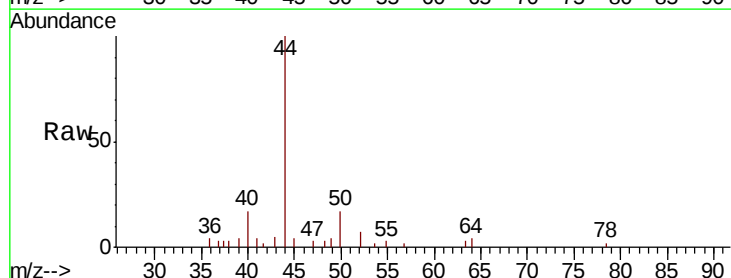
Acq: 24 May 2019 15:00

Tgt Ion: 50 Resp: 601

Ion Ratio Lower Upper

50 100

52 38.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

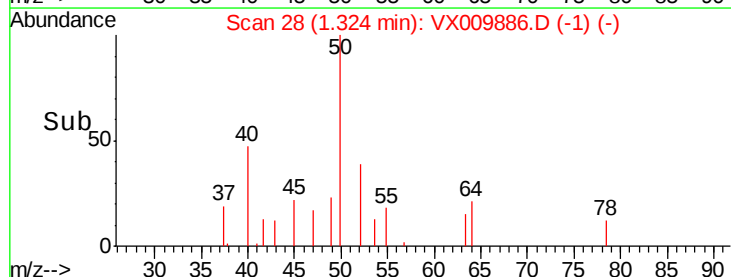
300

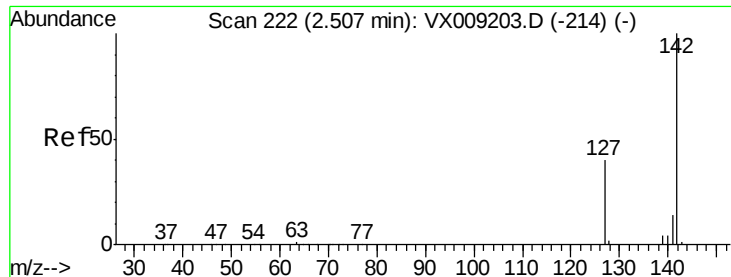
200

100

0

Time--> 1.25 1.30 1.35

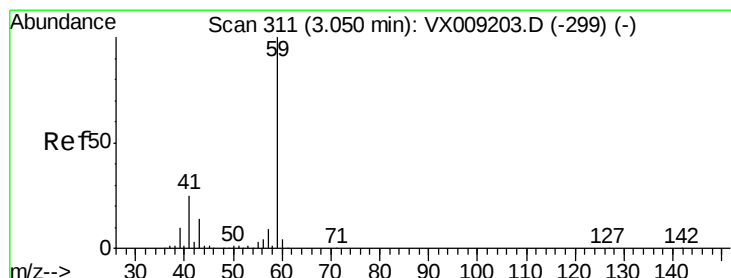
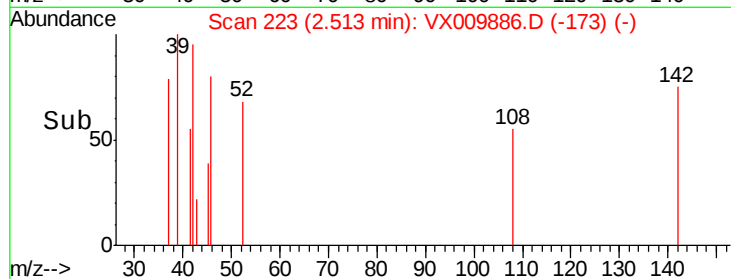
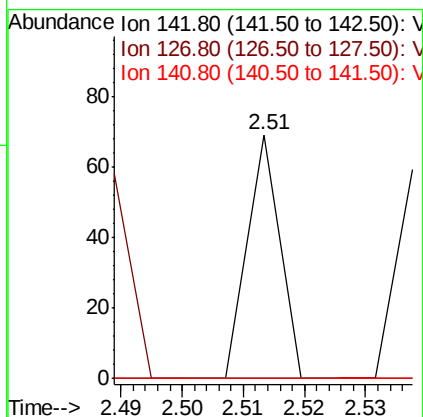
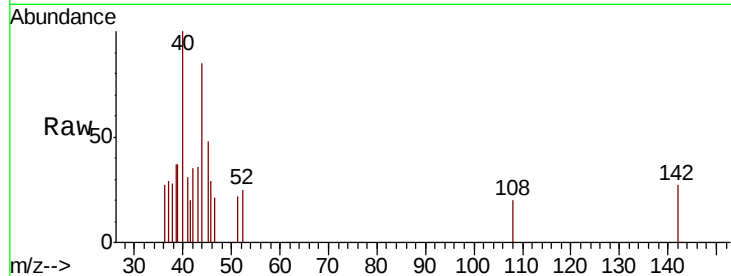




#10
Methvl Iodide
Concen: 4.606 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009886.D
Acq: 24 May 2019 15:00

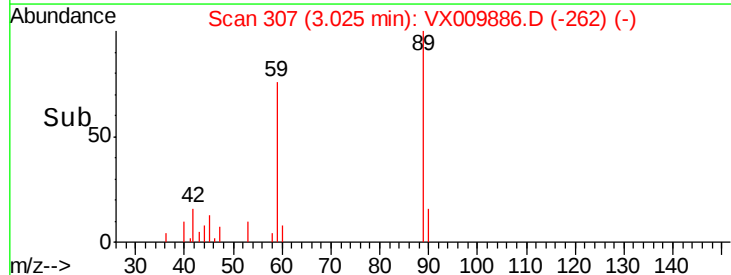
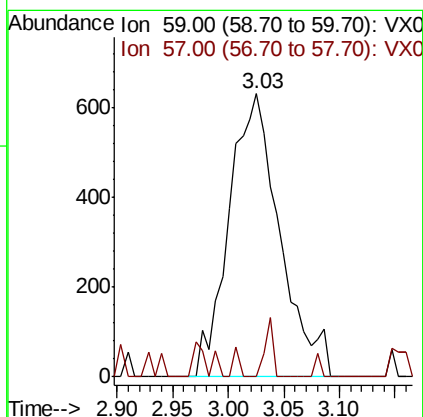
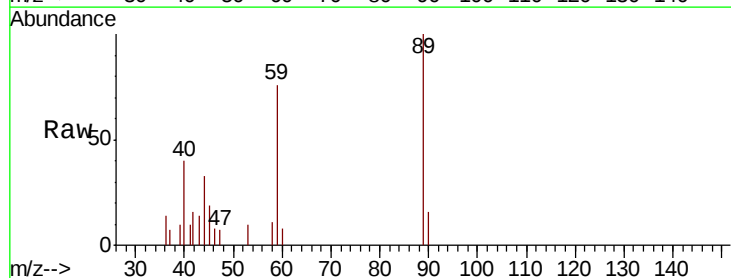
Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-052319

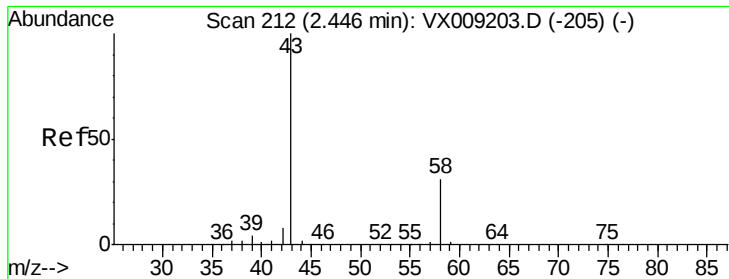
Tot Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.635 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009886.D
Acq: 24 May 2019 15:00

Tgt Ion: 59 Resp: 2006
Ion Ratio Lower Upper
59 100
57 3.4 8.2 12.2#





#16

Acetone

Concen: 6.987 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

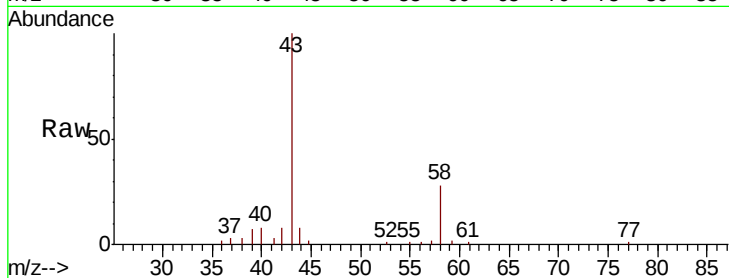
FEQC-FB-052319

Tot Ion: 43 Resp: 8945

Ion Ratio Lower Upper

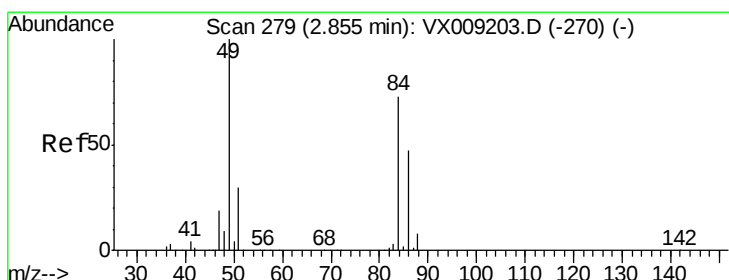
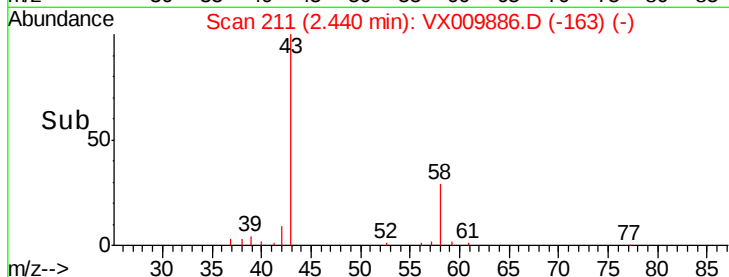
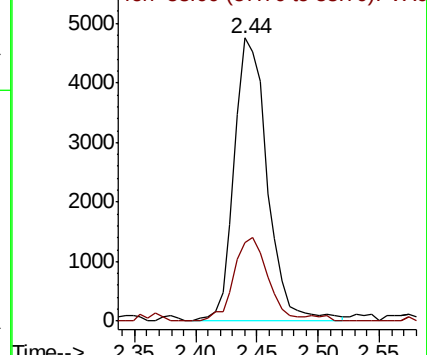
43 100

58 28.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.472 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Tgt Ion: 84 Resp: 978

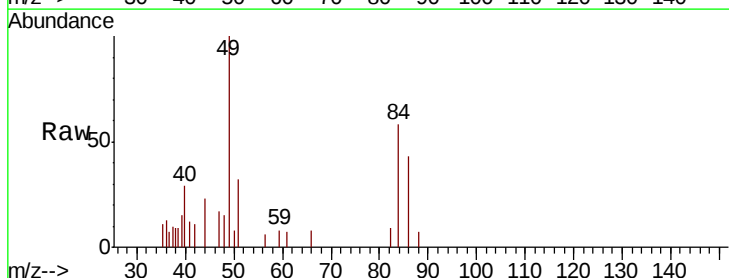
Ion Ratio Lower Upper

84 100

49 160.0 109.9 164.9

51 55.3 32.7 49.1#

86 72.7 52.0 78.0

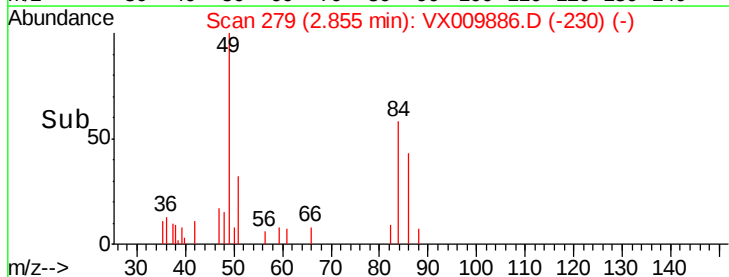
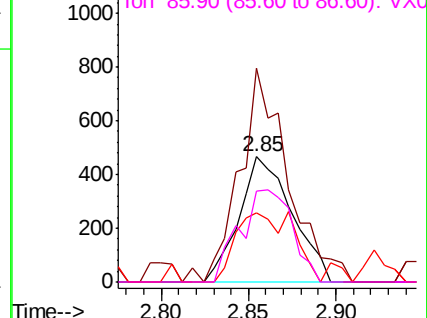


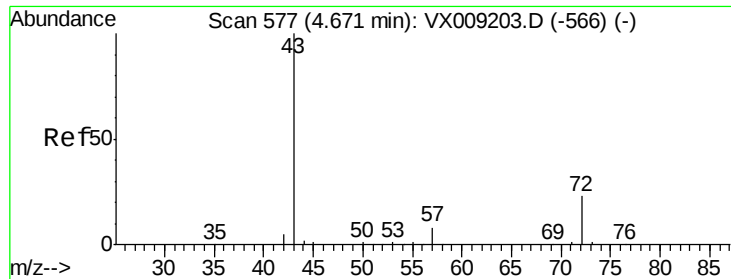
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 1.085 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampled :

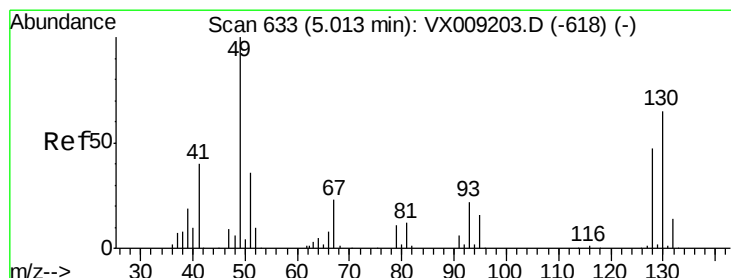
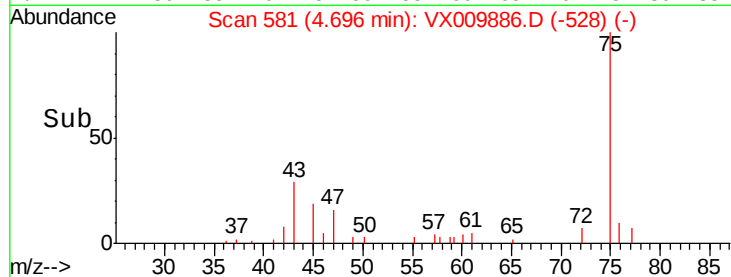
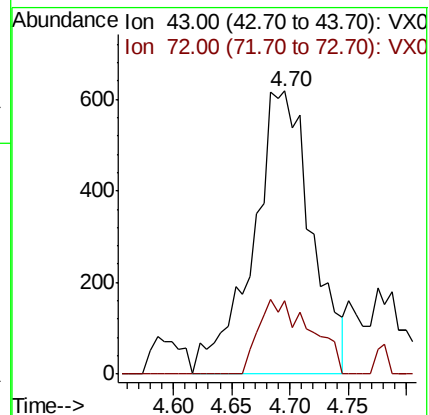
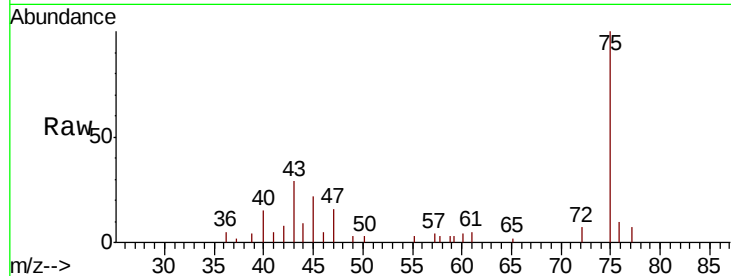
FEQC-FB-052319

Tot Ion: 43 Resp: 2159

Ion Ratio Lower Upper

43 100

72 25.7 18.2 27.2



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

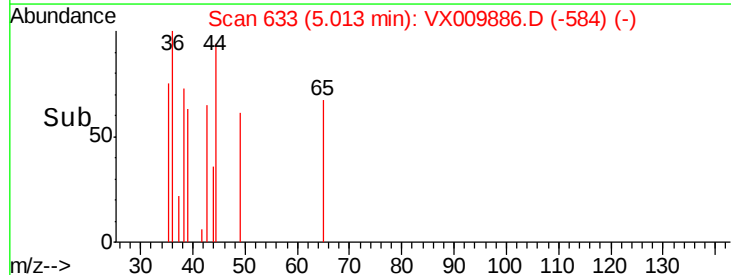
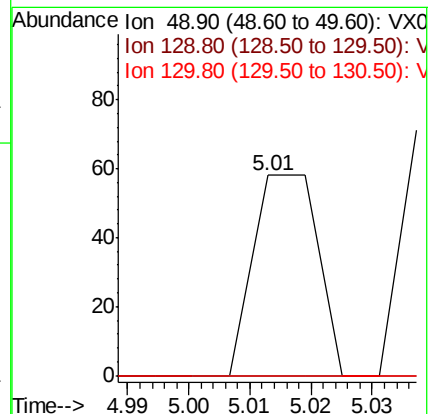
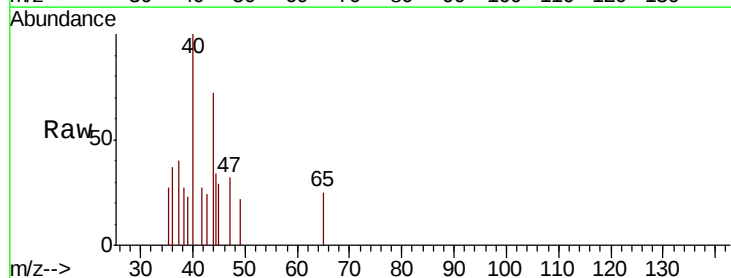
Tgt Ion: 49 Resp: 42

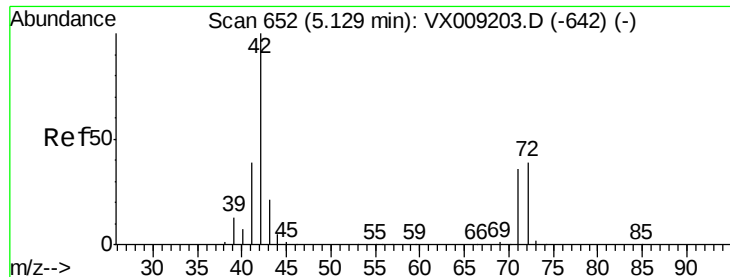
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#





#29

Tetrahydrofuran

Concen: 0.991 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-052319

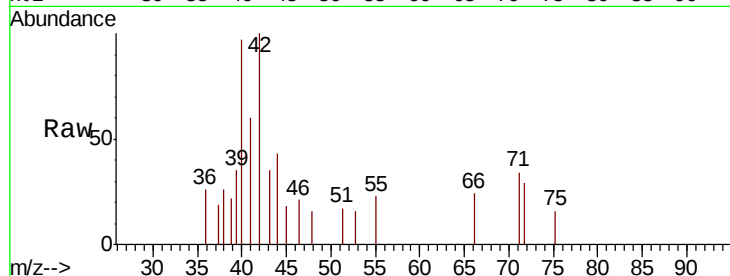
Tot Ion: 42 Resp: 1269

Ion Ratio Lower Upper

42 100

72 30.7 30.4 45.6

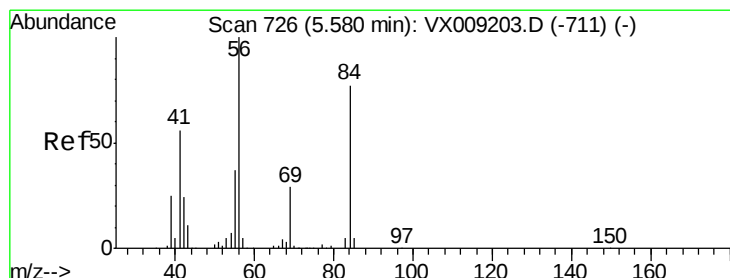
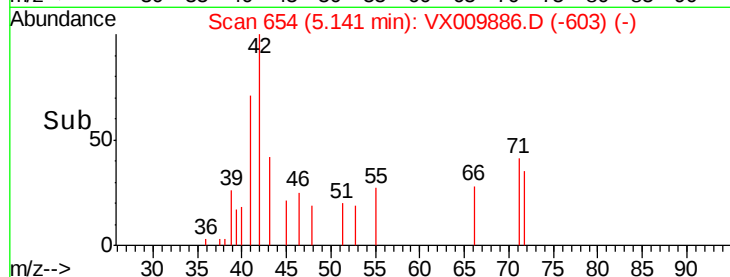
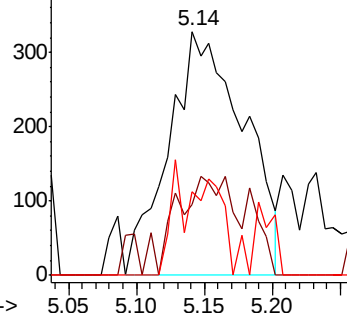
71 9.9 28.6 43.0#



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



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

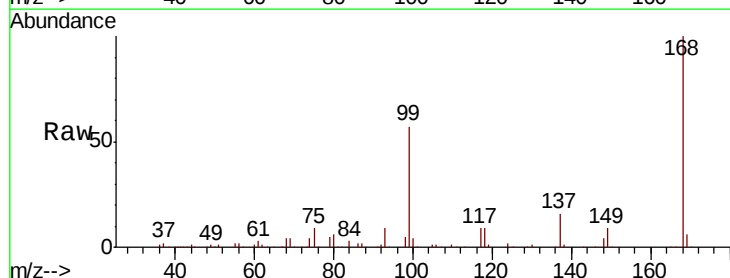
Tgt Ion: 56 Resp: 4294

Ion Ratio Lower Upper

56 100

69 185.9 23.4 35.0#

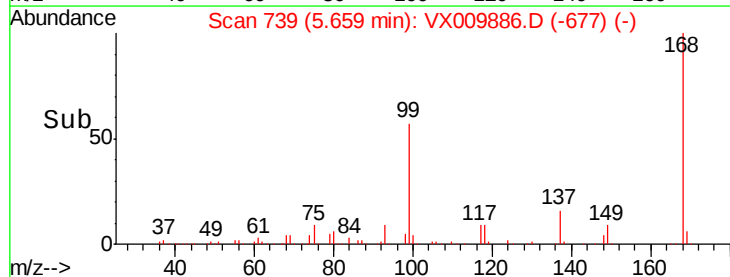
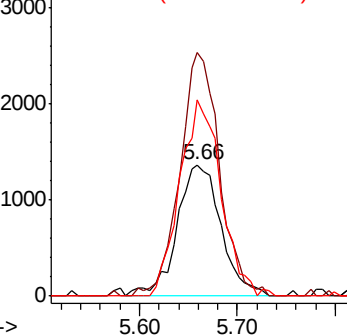
84 150.2 61.9 92.9#

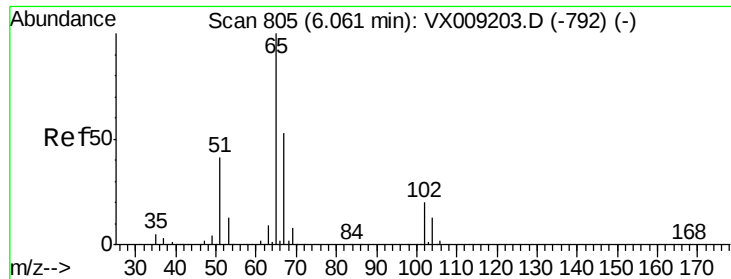


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

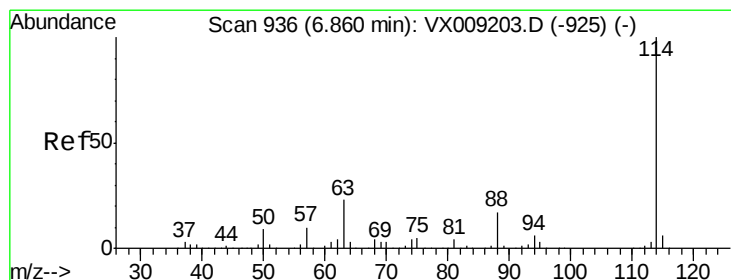
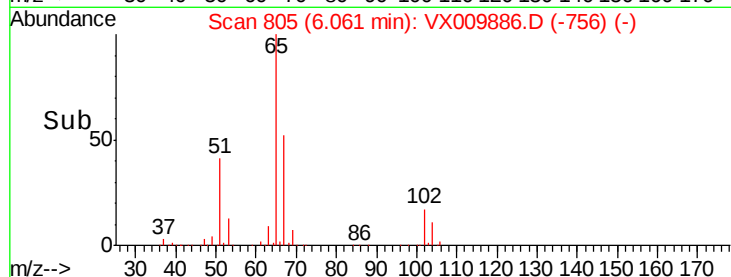
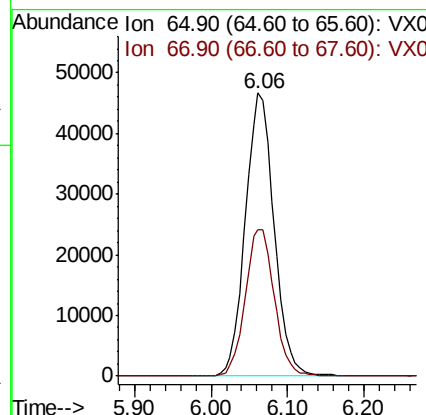
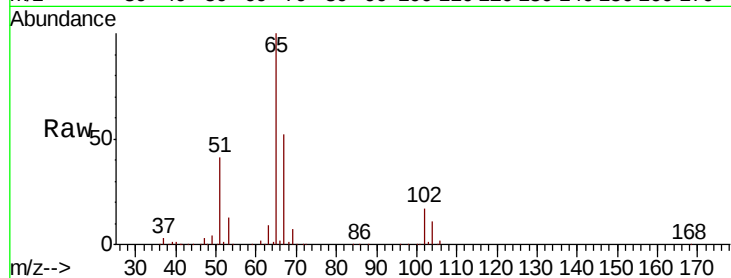




#33
 1,2-Dichloroethane-d4
 Concen: 51.008 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009886.D
 Acq: 24 May 2019 15:00

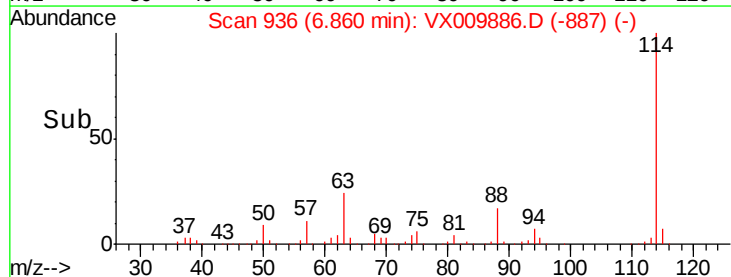
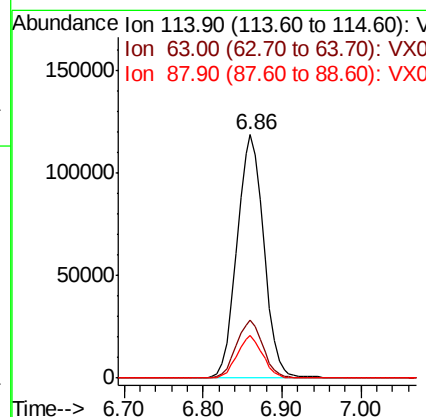
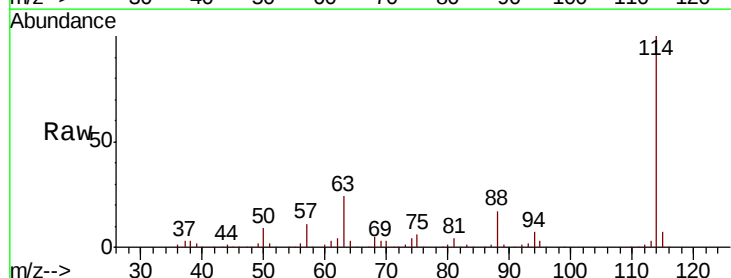
Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-FB-052319

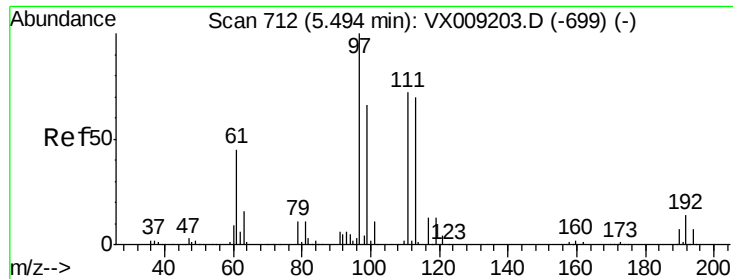
Tot Ion: 65 Resp: 121613
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009886.D
 Acq: 24 May 2019 15:00

Tgt Ion: 114 Resp: 280981
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.6
 88 17.4 0.0 33.2

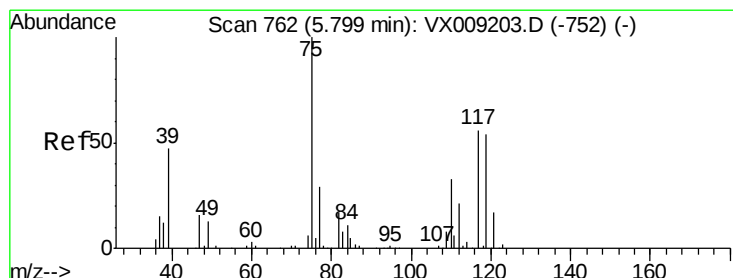
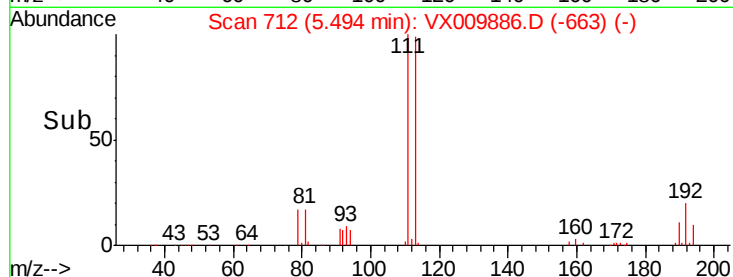
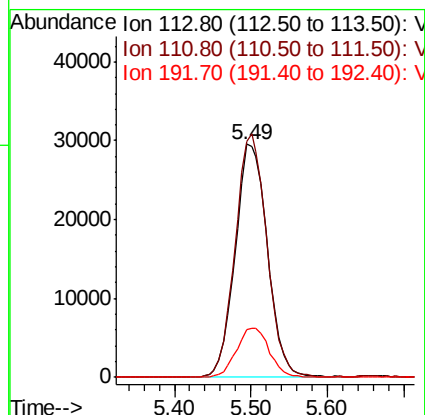
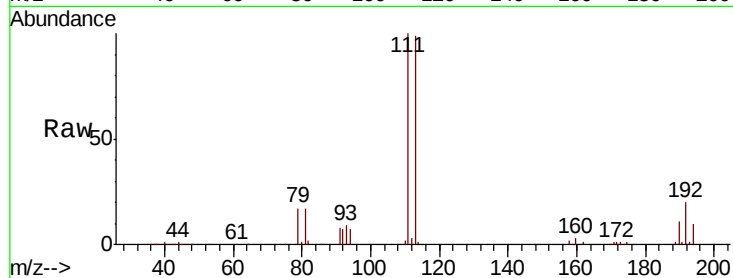




#35
 Dibromofluoromethane
 Concen: 48.851 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009886.D
 Acq: 24 May 2019 15:00

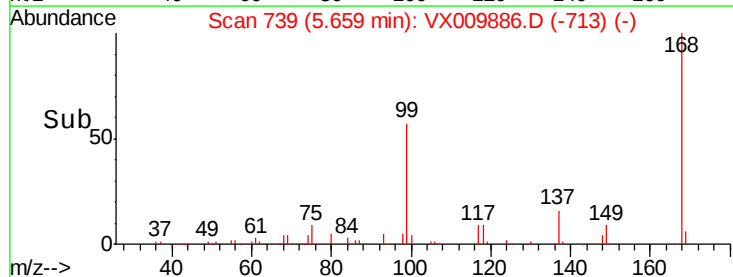
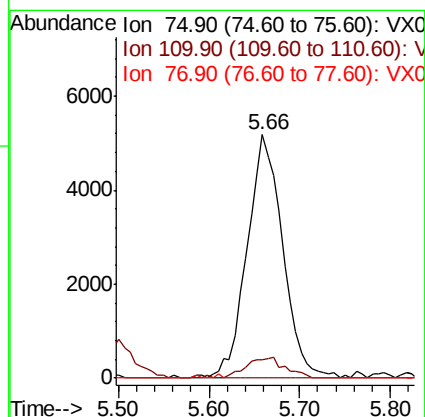
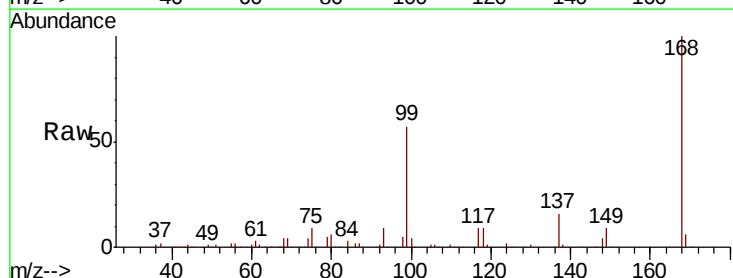
Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-FB-052319

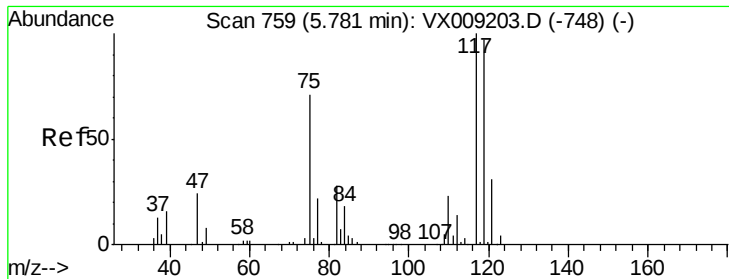
Tot Ion:113 Resp: 86289
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.410 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009886.D
 Acq: 24 May 2019 15:00

Tgt Ion: 75 Resp: 14126
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.966 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-052319

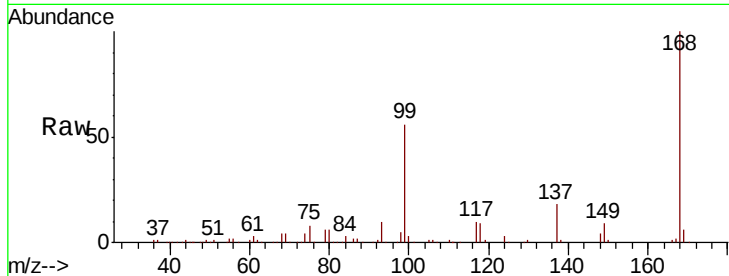
Tot Ion:117 Resp: 16527

Ion Ratio Lower Upper

117 100

119 6.3 77.5 116.3#

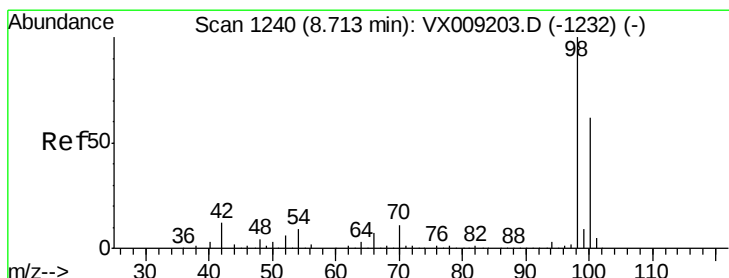
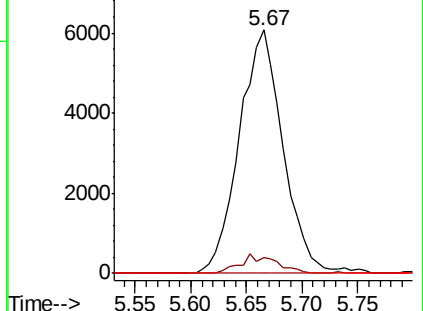
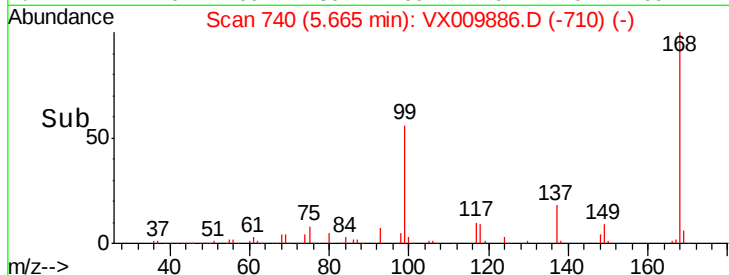
121 0.0 24.7 37.1#



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: 50.460 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009886.D

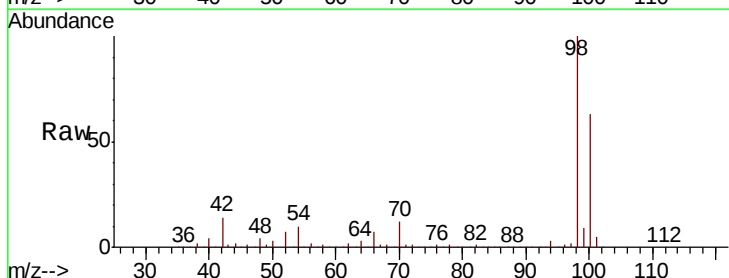
Acq: 24 May 2019 15:00

Tgt Ion: 98 Resp: 359843

Ion Ratio Lower Upper

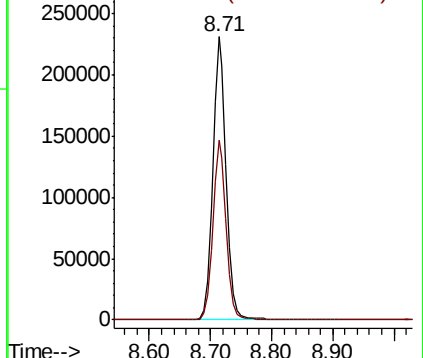
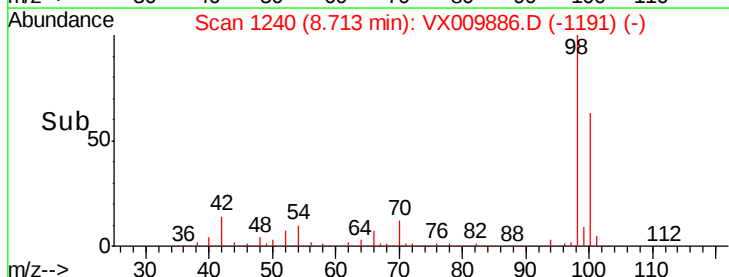
98 100

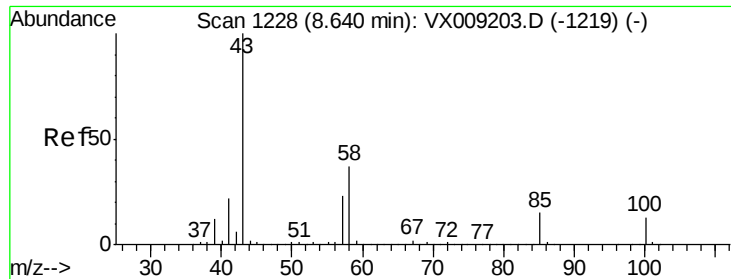
100 63.7 51.2 76.8



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: 0.282 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

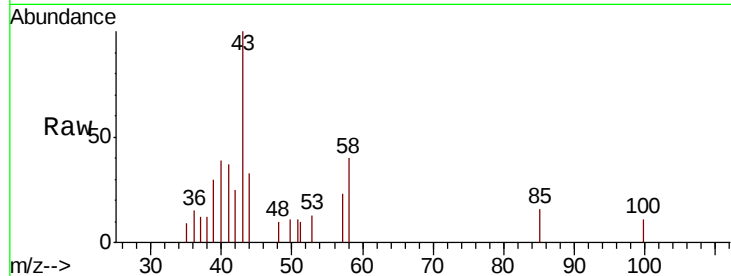
FEQC-FB-052319

Tot Ion: 43 Resp: 1071

Ion Ratio Lower Upper

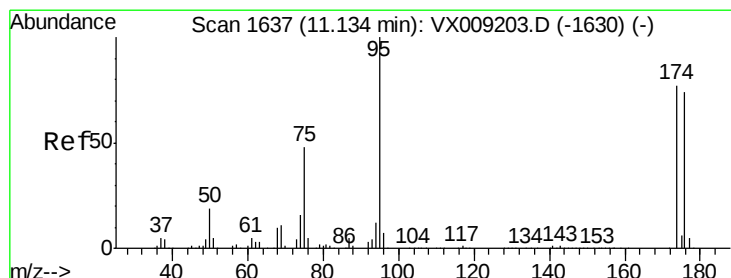
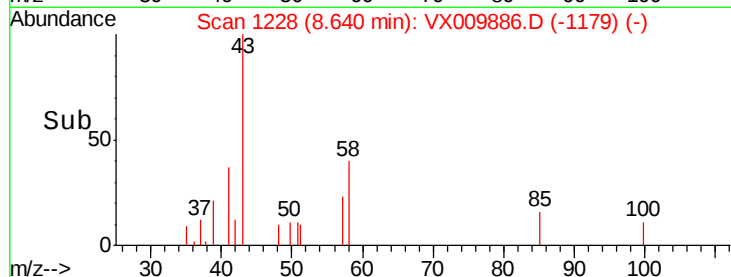
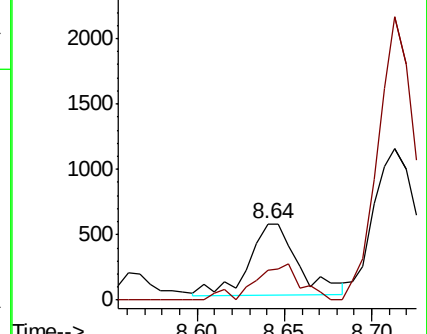
43 100

58 47.7 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: 46.882 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

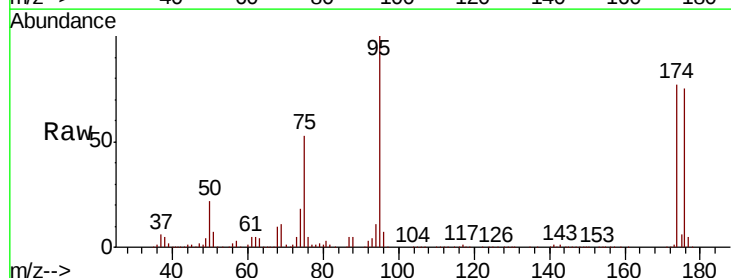
Tgt Ion: 95 Resp: 121482

Ion Ratio Lower Upper

95 100

174 80.6 0.0 161.6

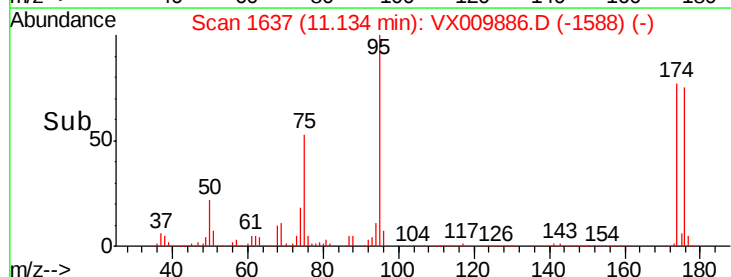
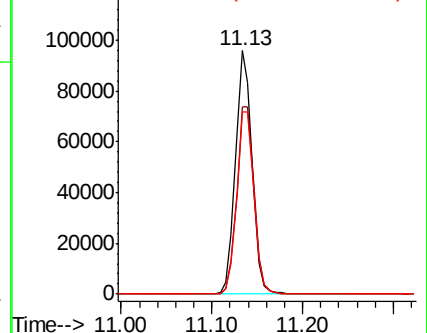
176 78.0 0.0 159.2

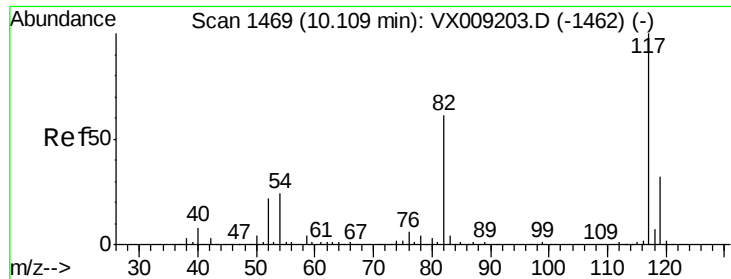


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

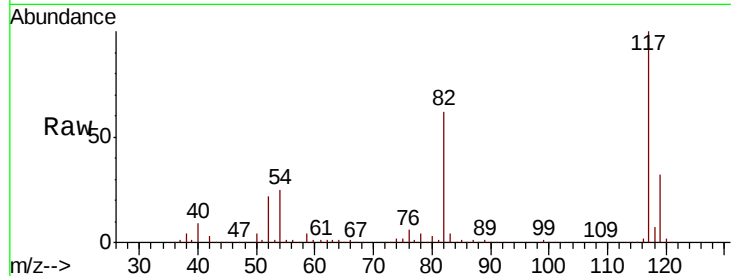




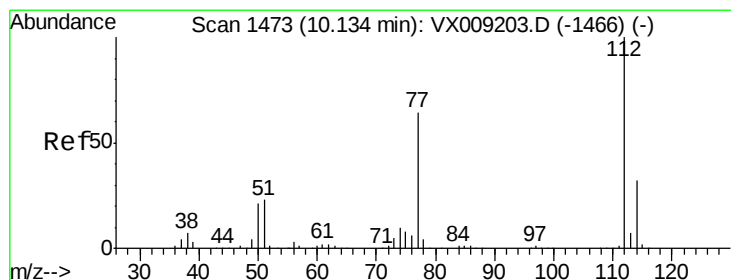
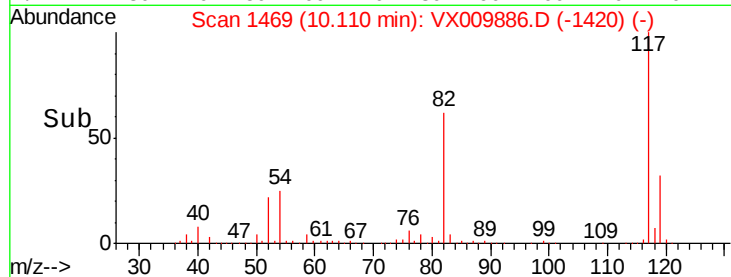
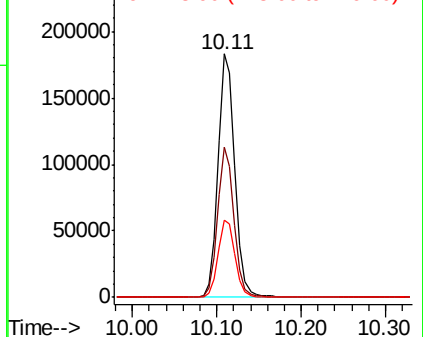
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009886.D
Acq: 24 May 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-052319

Tot Ion:117 Resp: 252208
Ion Ratio Lower Upper
117 100
82 61.9 48.8 73.2
119 32.0 25.8 38.6

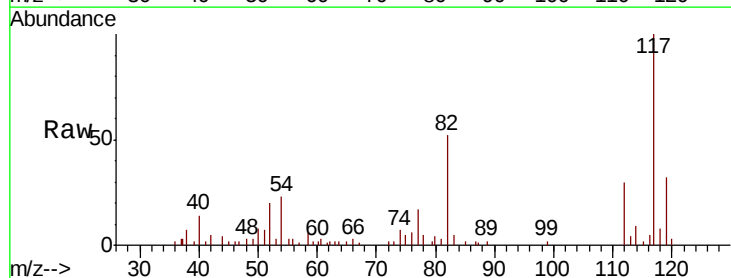


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

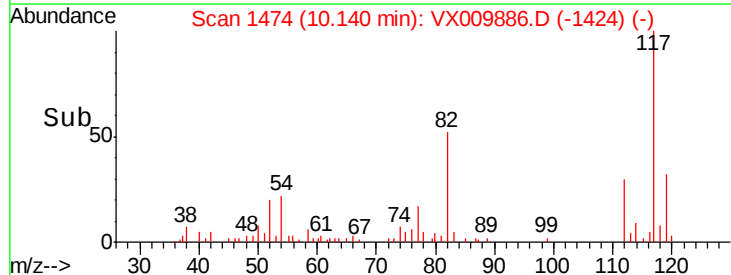
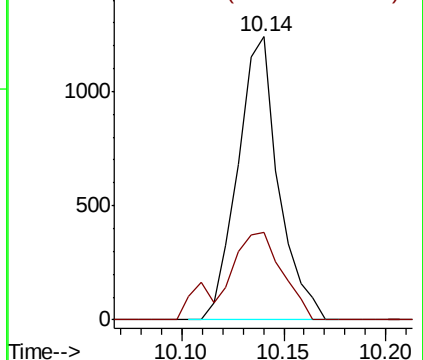


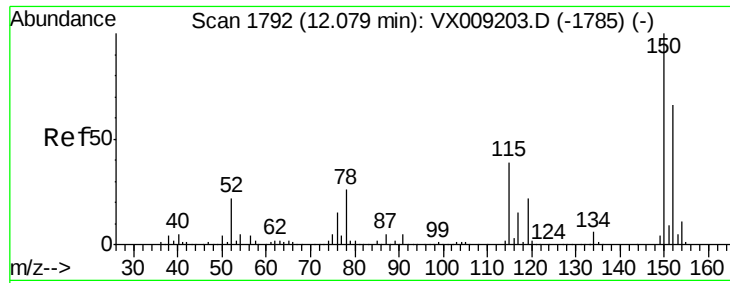
#65
Chlorobenzene
Concen: 0.342 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009886.D
Acq: 24 May 2019 15:00

Tgt Ion:112 Resp: 1726
Ion Ratio Lower Upper
112 100
114 30.8 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: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-052319

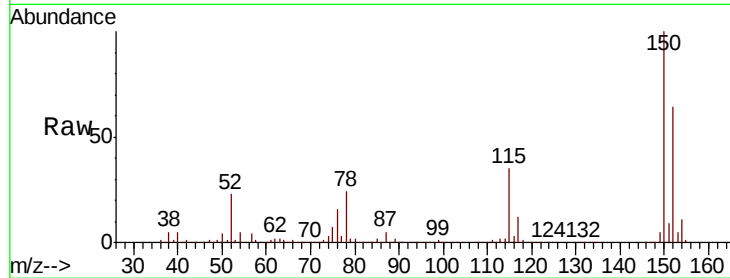
Tot Ion:152 Resp: 110739

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

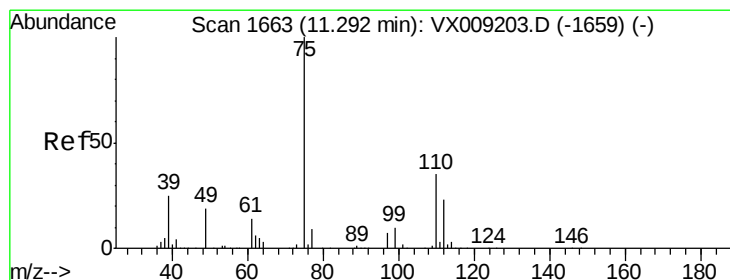
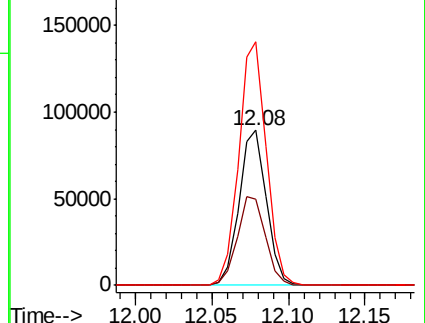
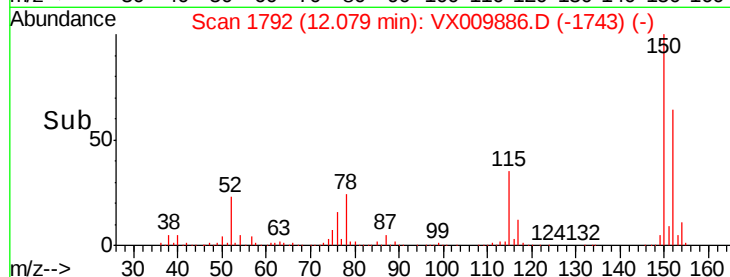
150 157.7 0.0 346.4



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: 24.945 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009886.D

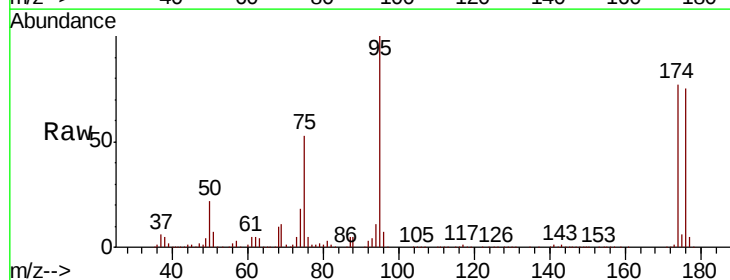
Acq: 24 May 2019 15:00

Tgt Ion: 75 Resp: 64078

Ion Ratio Lower Upper

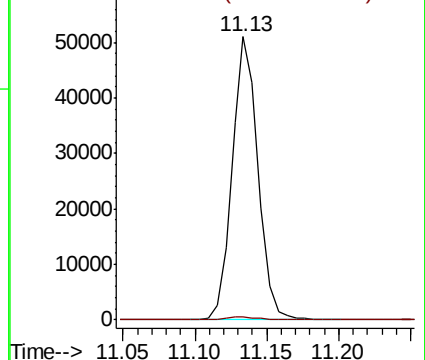
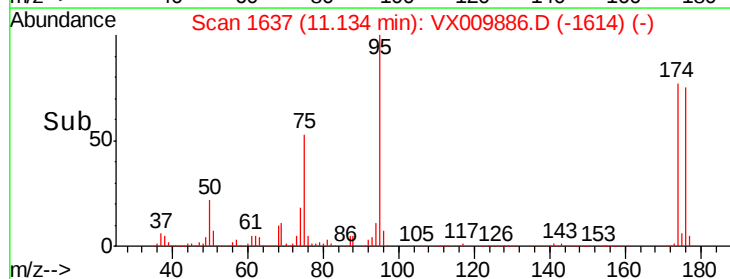
75 100

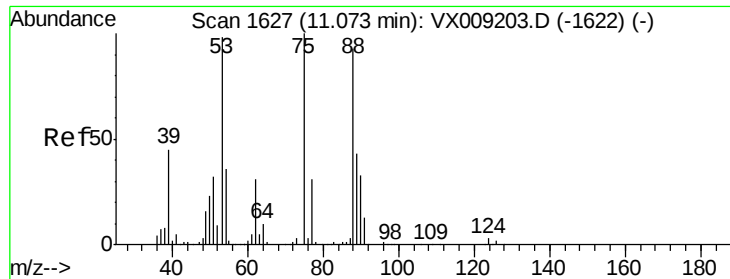
77 1.3 22.1 66.1#



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: 63.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-052319

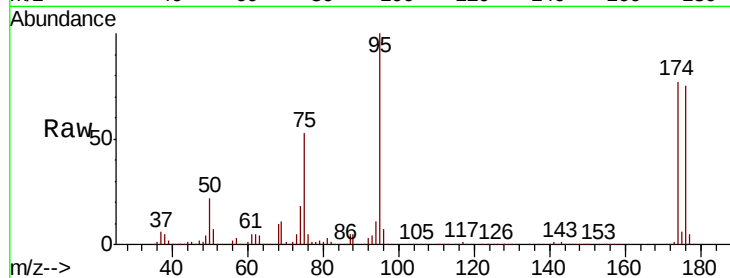
Tot Ion: 75 Resp: 64078

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

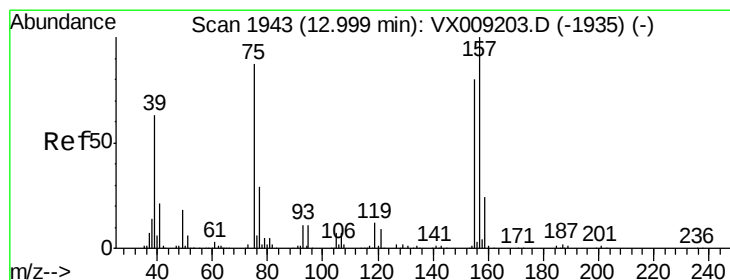
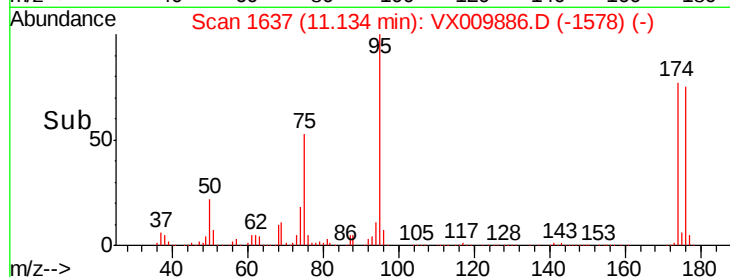
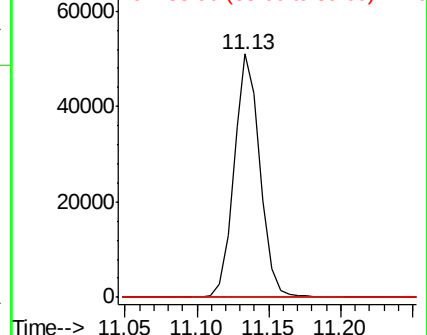
89 0.0 34.7 52.1#



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: 0.930 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX009886.D

Acq: 24 May 2019 15:00

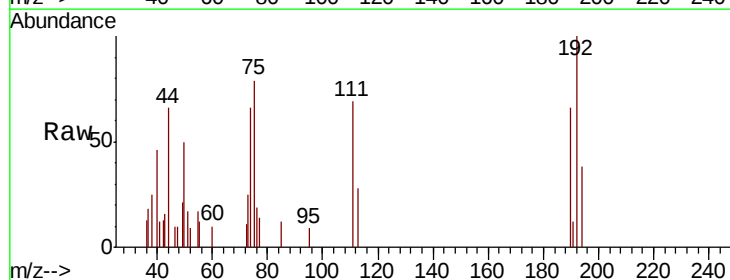
Tgt Ion: 75 Resp: 626

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

