

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\
 Data File : VX009566.D
 Acq On : 14 May 2019 17:08
 Operator : JC/SP
 Sample : K2838-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-FB-051419

Quant Time: May 15 01:55:08 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	188854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114595	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	123626	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	5.49	113	90739	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	377890	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	126779	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

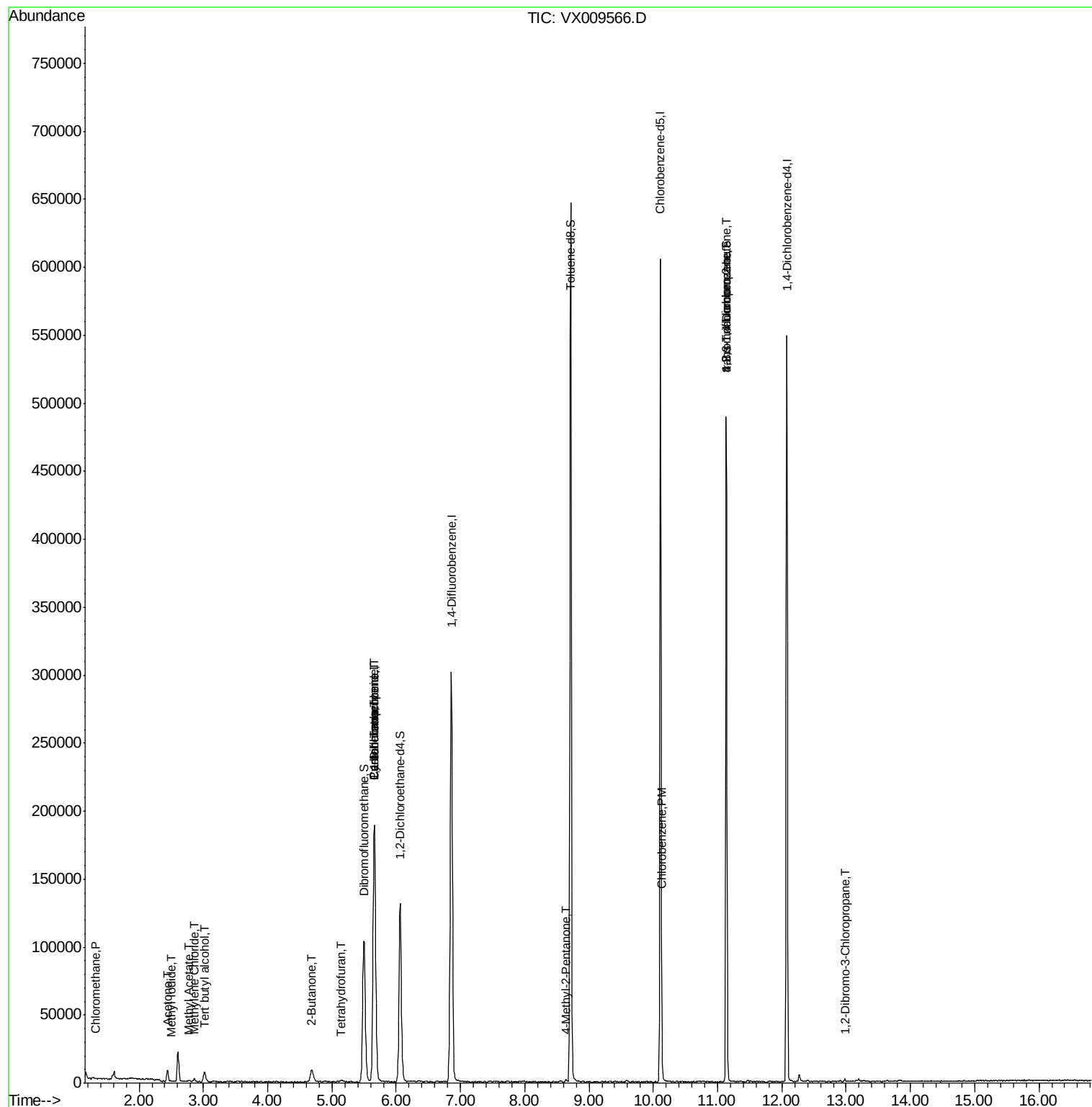
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	519	0.218	ug/l	95
10) Methyl Iodide	2.51	142	118	4.646	ug/l #	42
11) Tert butyl alcohol	3.02	59	5086	8.523	ug/l #	76
16) Acetone	2.44	43	9706	7.011	ug/l	93
18) Methyl Acetate	2.77	43	1147	0.348	ug/l #	86
20) Methylene Chloride	2.85	84	989	0.441	ug/l #	85
25) 2-Butanone	4.69	43	2409	1.120	ug/l #	85
28) Bromochloromethane	5.01	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	743	0.537	ug/l #	86
31) Cyclohexane	5.65	56	4174	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14975	5.373	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17544	6.929	ug/l #	16
51) 4-Methyl-2-Pentanone	8.65	43	1395	0.344	ug/l	94
65) Chlorobenzene	10.13	112	2071	0.394	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	63901	24.039	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63901	61.508	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	323	0.463	ug/l #	2

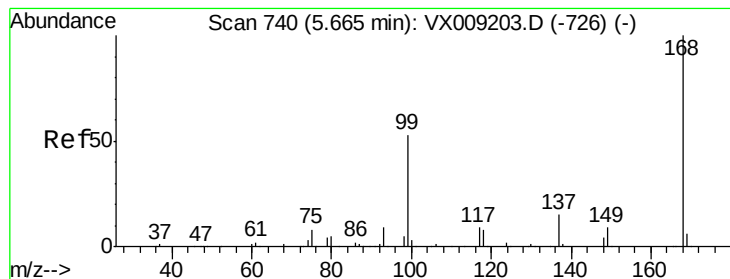
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009566.D

Acq: 14 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

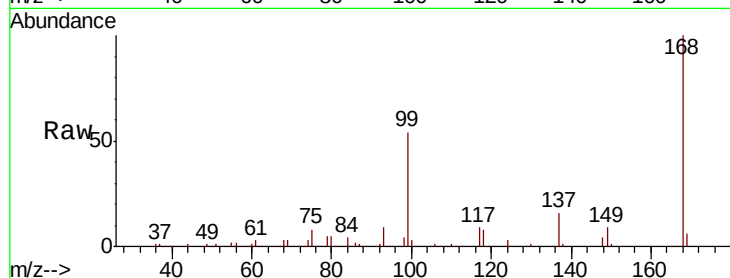
FEQC-FB-051419

Tot Ion:168 Resp: 188854

Ion Ratio Lower Upper

168 100

99 53.9 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

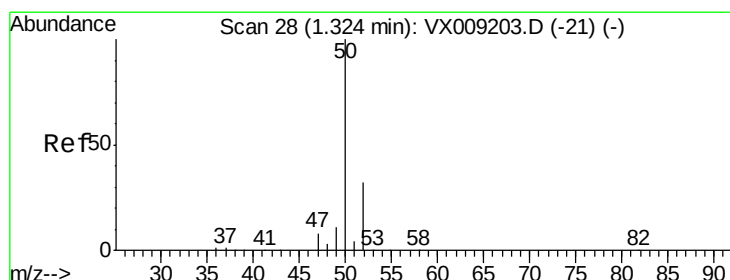
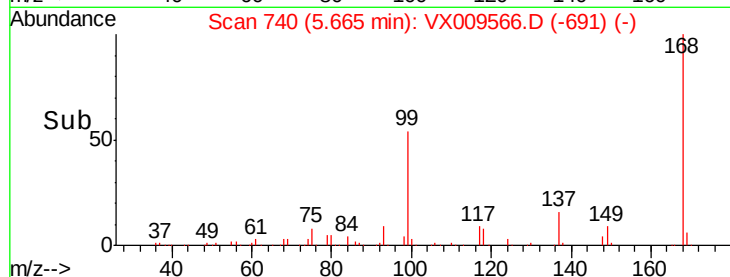
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.218 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009566.D

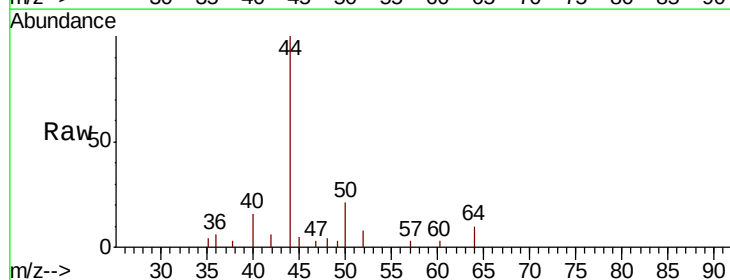
Acq: 14 May 2019 17:08

Tgt Ion: 50 Resp: 519

Ion Ratio Lower Upper

50 100

52 35.3 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

400

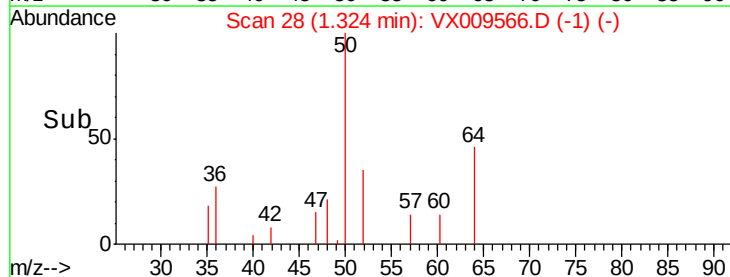
300

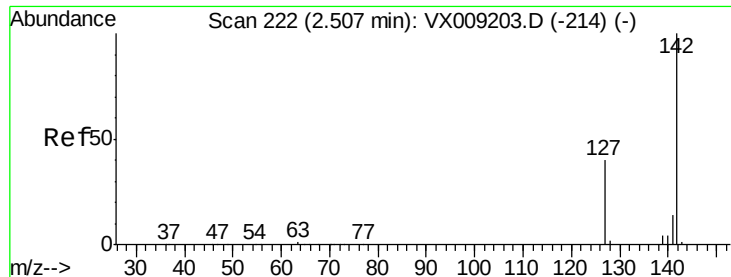
200

100

0

Time--> 1.30 1.35

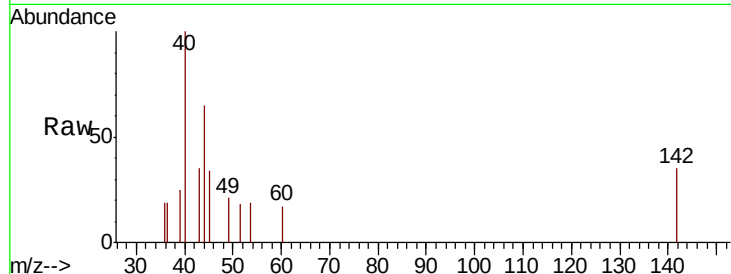




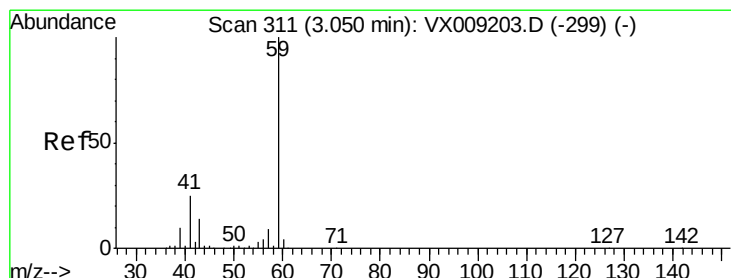
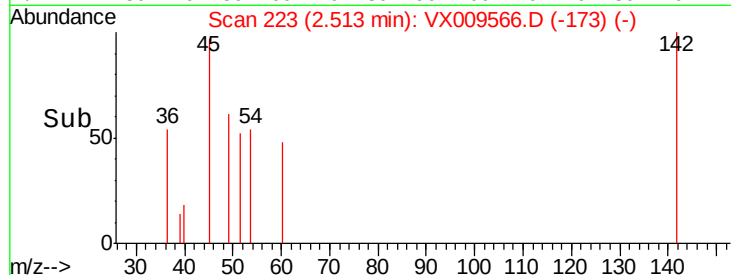
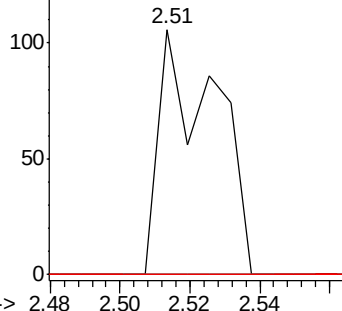
#10
Methvl Iodide
Concen: 4.646 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-051419

Tot Ion:142 Resp: 118
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

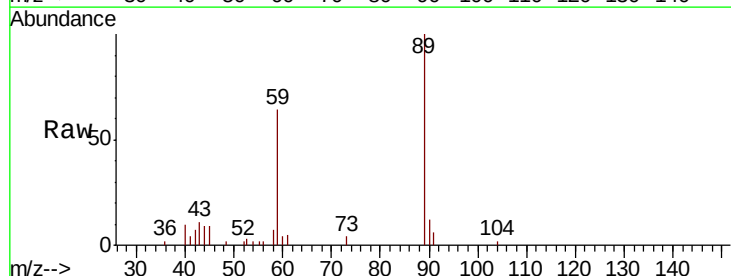


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

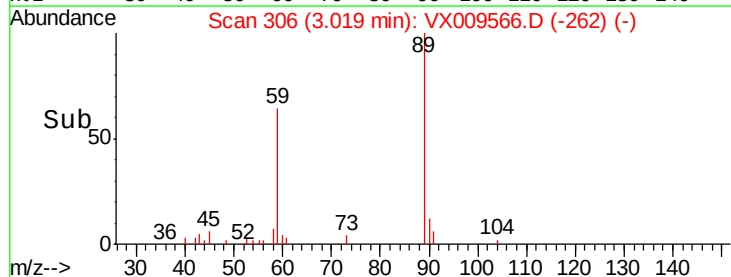
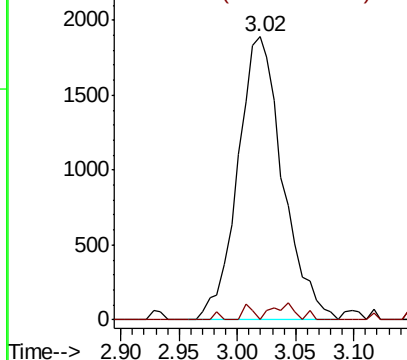


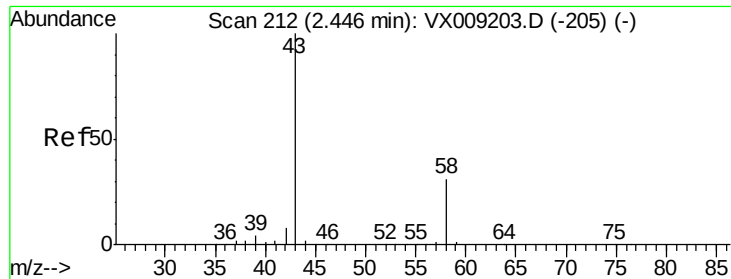
#11
Tert butyl alcohol
Concen: 8.523 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Tgt Ion: 59 Resp: 5086
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 7.011 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

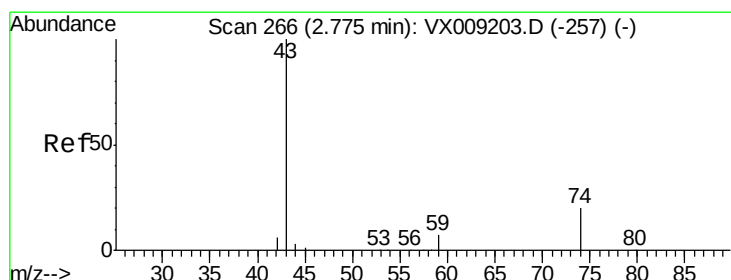
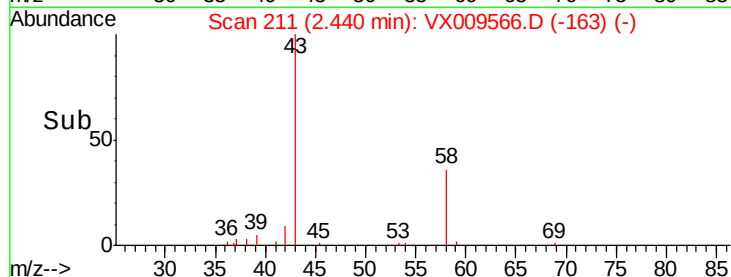
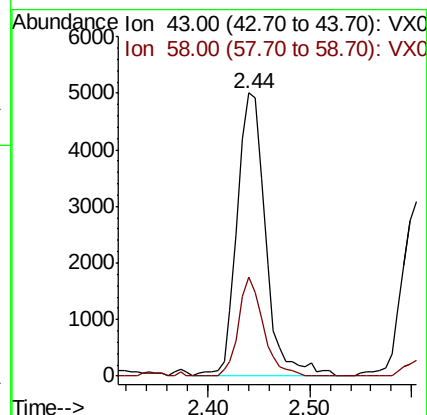
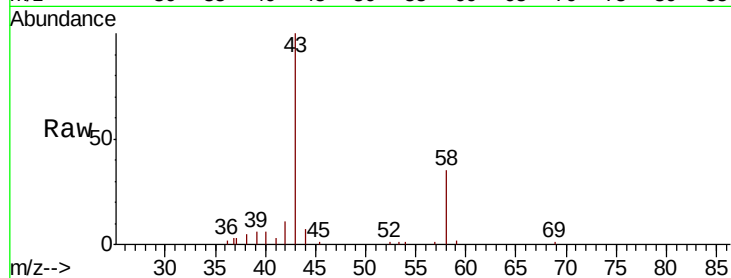
FEQC-FB-051419

Tot Ion: 43 Resp: 9706

Ion Ratio Lower Upper

43 100

58 34.9 24.9 37.3



#18

Methyl Acetate

Concen: 0.348 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009566.D

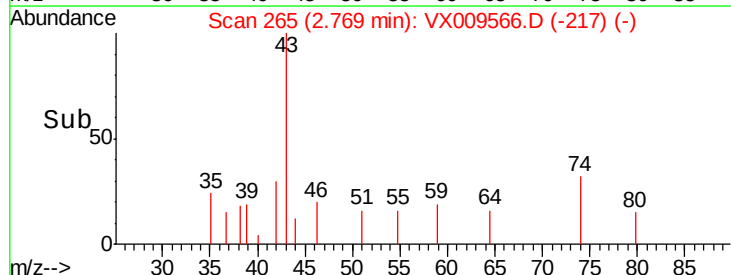
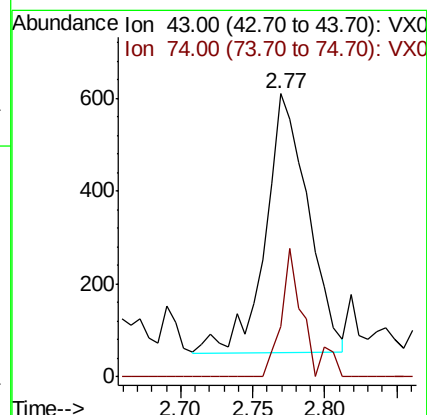
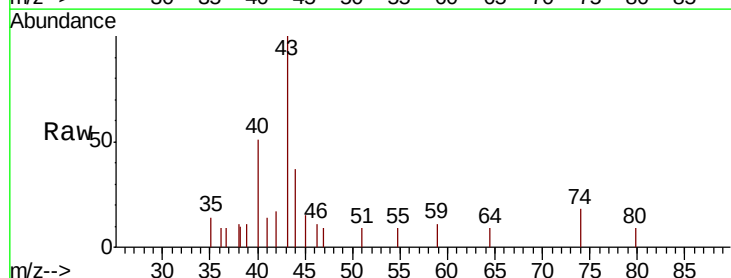
Acq: 14 May 2019 17:08

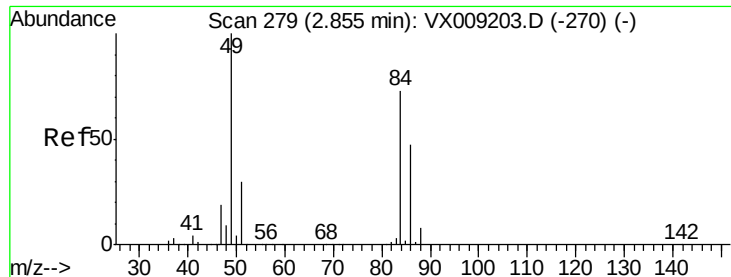
Tgt Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

74 26.6 16.2 24.4#

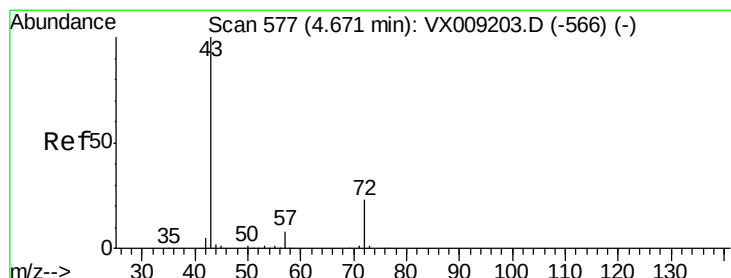
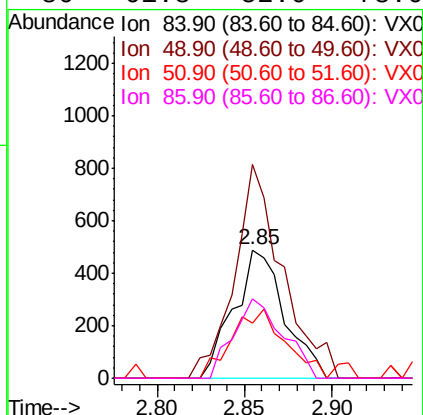
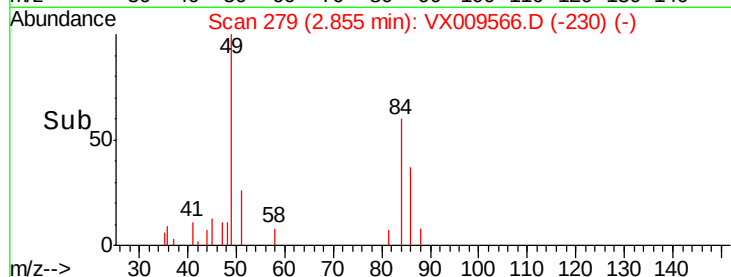
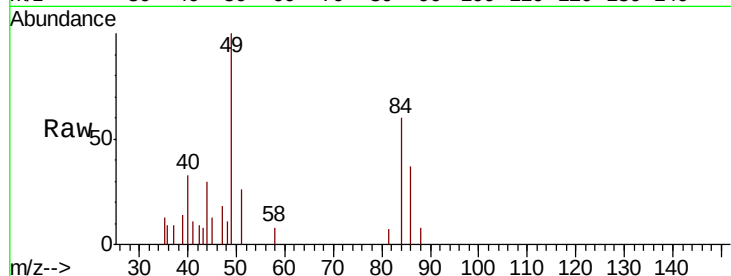




#20
Methvlene Chloride
Concen: 0.441 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

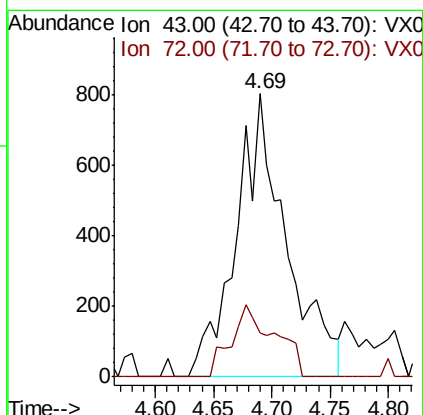
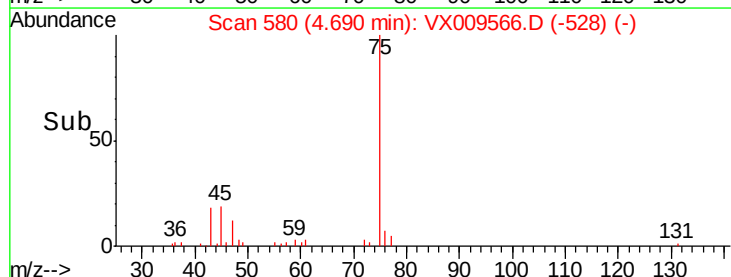
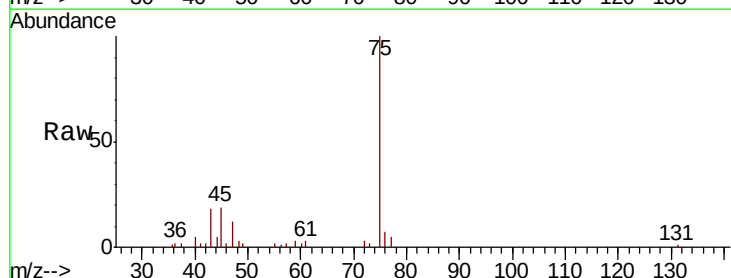
Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-051419

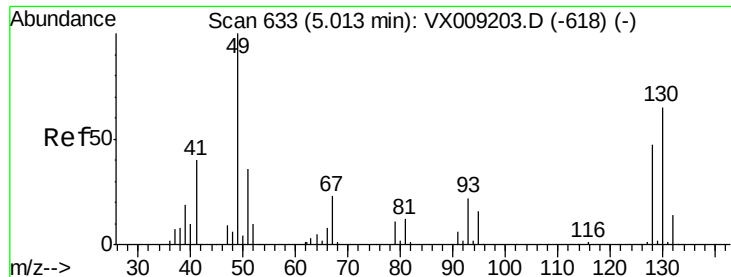
Tot Ion:	84	Resp:	989
Ion	Ratio	Lower	Upper
84	100		
49	166.1	109.9	164.9#
51	43.1	32.7	49.1
86	61.8	52.0	78.0



#25
2-Butanone
Concen: 1.120 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Tgt Ion:	43	Resp:	2409
Ion	Ratio	Lower	Upper
43	100		
72	15.5	18.2	27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-051419

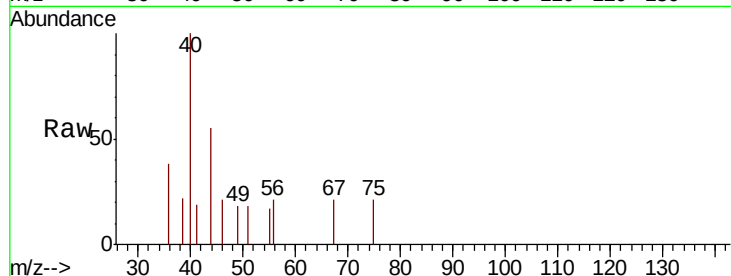
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

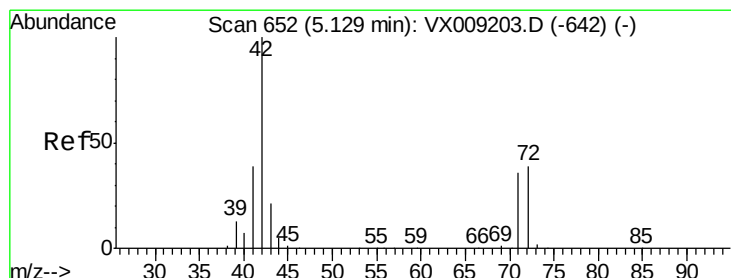
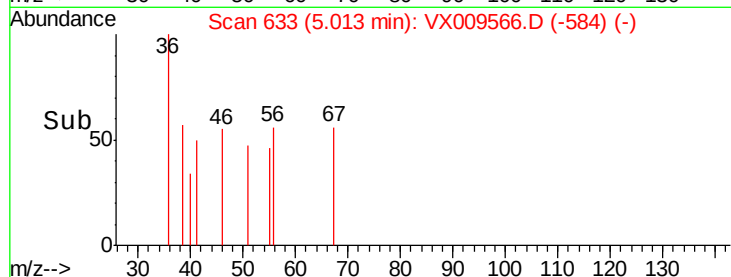
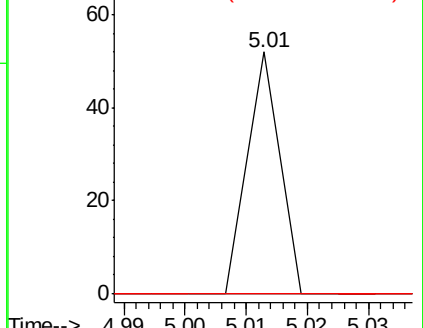
130 0.0 51.2 76.8#



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



#29

Tetrahydrofuran

Concen: 0.537 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

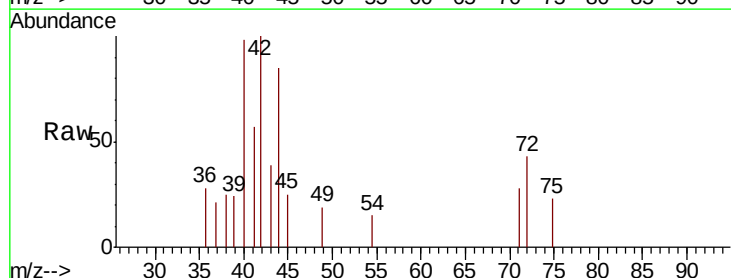
Tgt Ion: 42 Resp: 743

Ion Ratio Lower Upper

42 100

72 23.3 30.4 45.6#

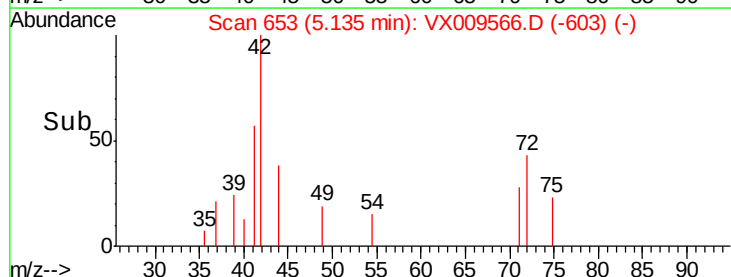
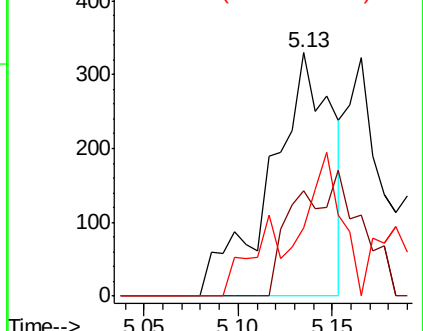
71 34.2 28.6 43.0

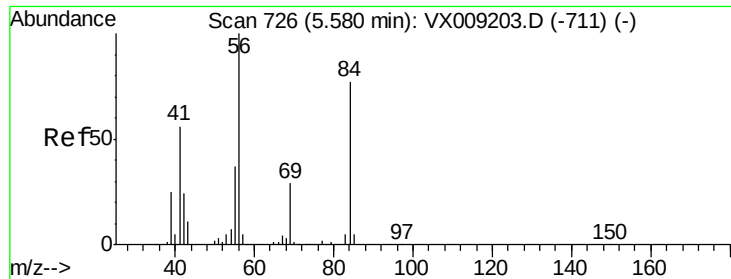


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

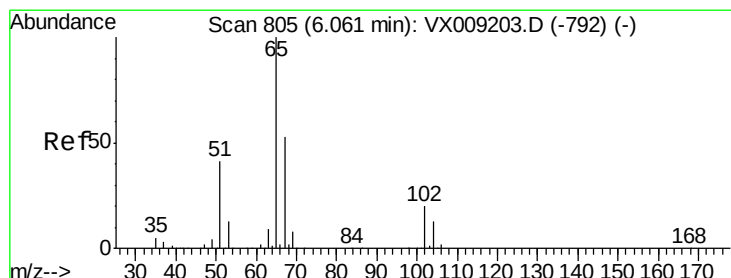
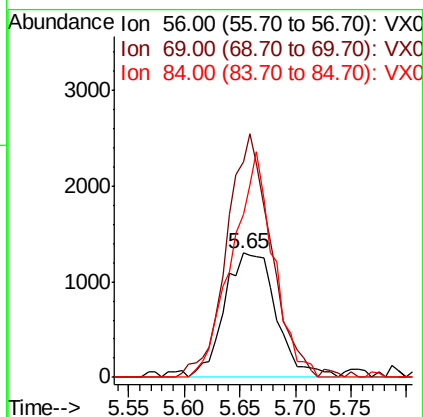
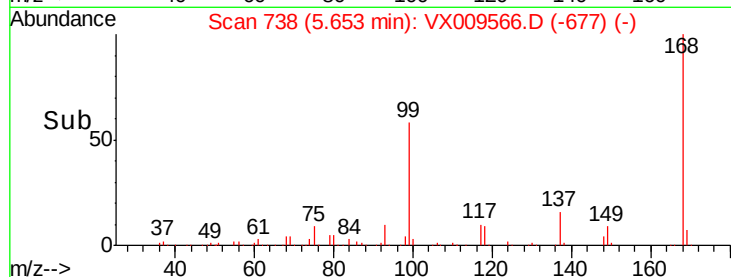
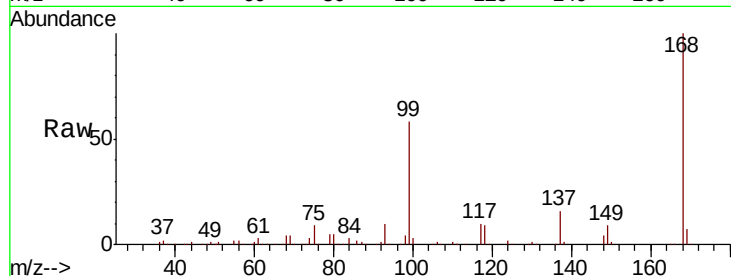




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

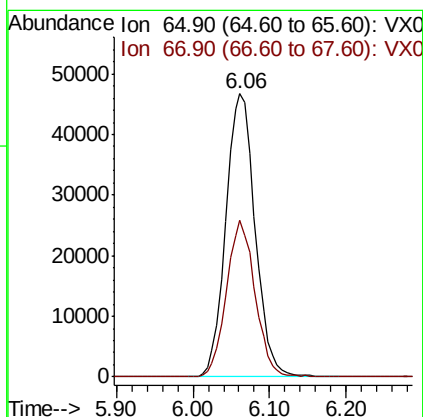
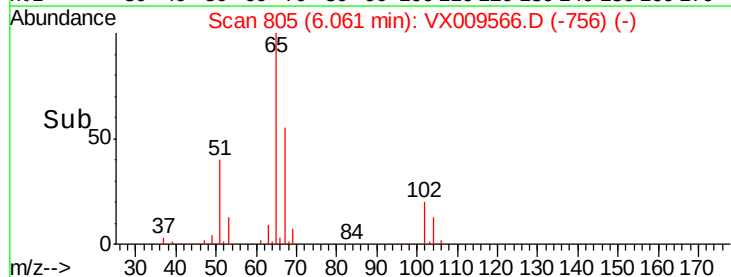
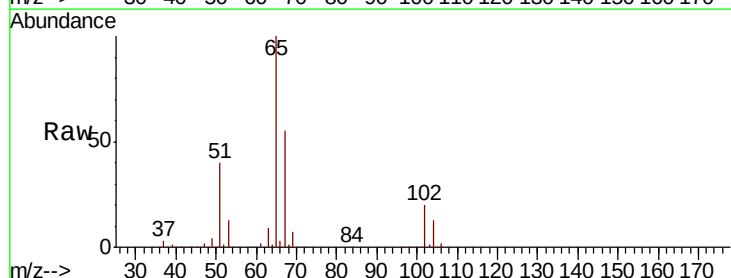
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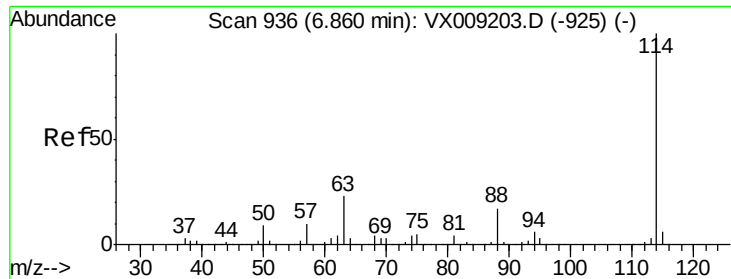
Tot Ion: 56 Resp: 4174
Ion Ratio Lower Upper
56 100
69 169.7 23.4 35.0#
84 131.1 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 47.953 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Tgt Ion: 65 Resp: 123626
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.6

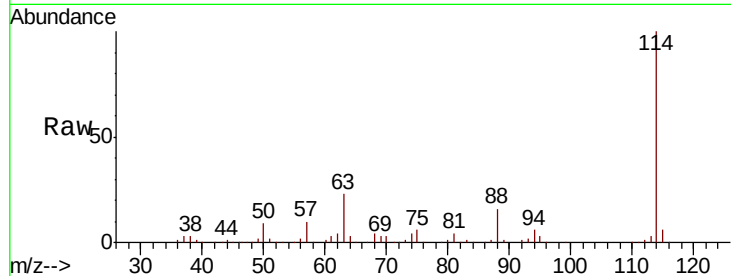




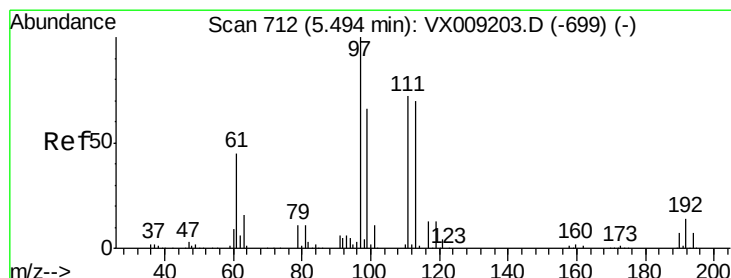
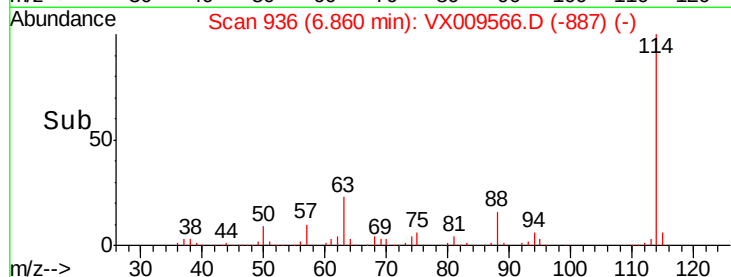
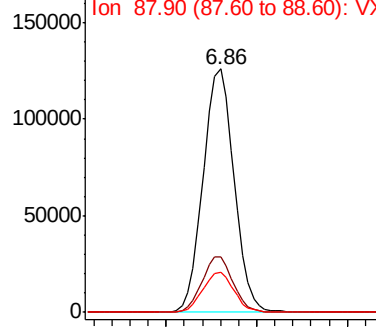
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009566.D
 Acq: 14 May 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-FB-051419

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.6
88	16.3	0.0	33.2

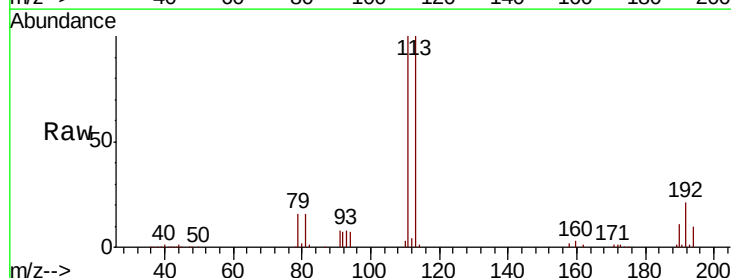


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

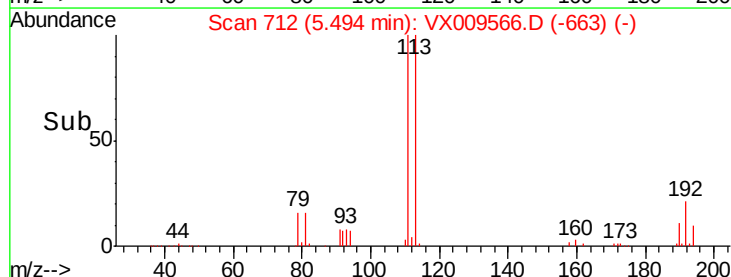
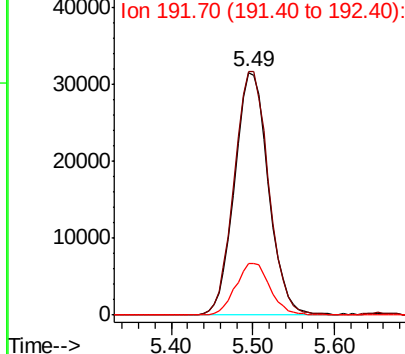


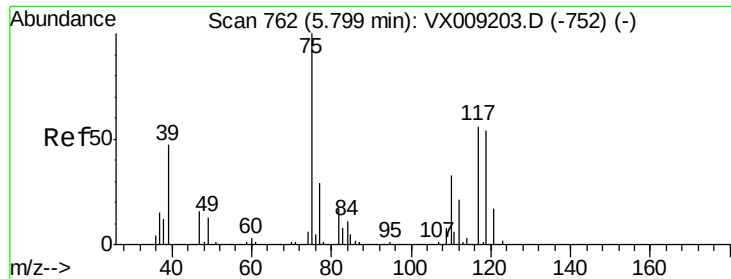
#35
 Dibromofluoromethane
 Concen: 48.133 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009566.D
 Acq: 14 May 2019 17:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.8	124.2
192	21.7	17.0	25.6



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

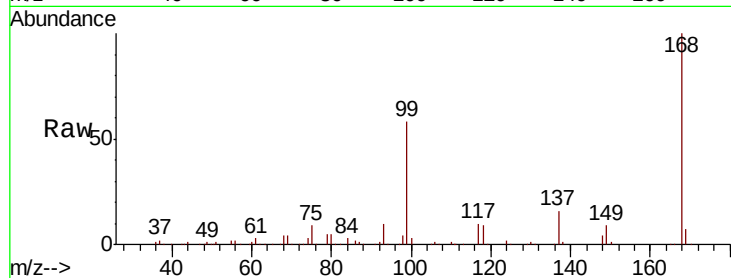




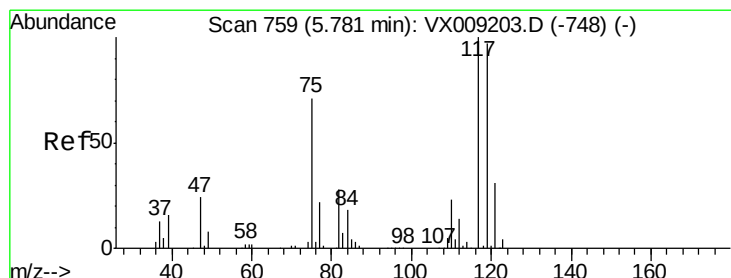
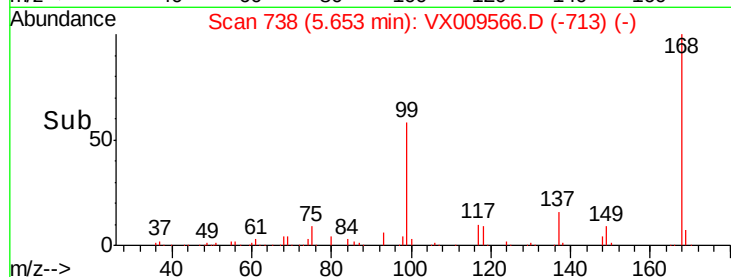
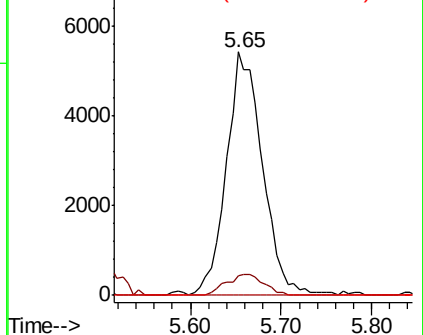
#36
 1,1-Dichloropropene
 Concen: 5.373 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009566.D
 Acq: 14 May 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 FEQC-FB-051419

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.9	50.6#
77	0.0	24.8	37.2#

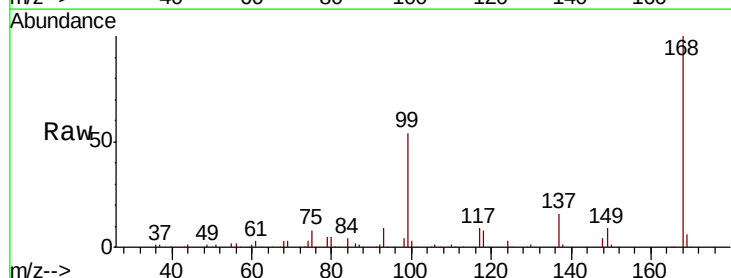


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

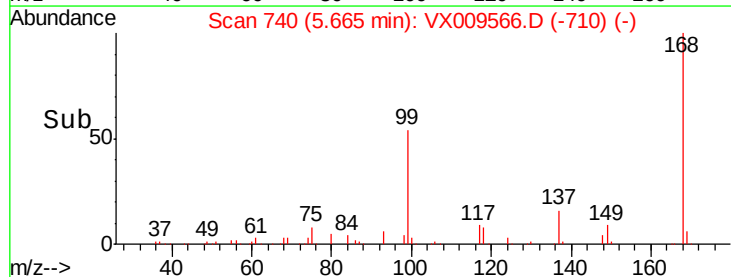
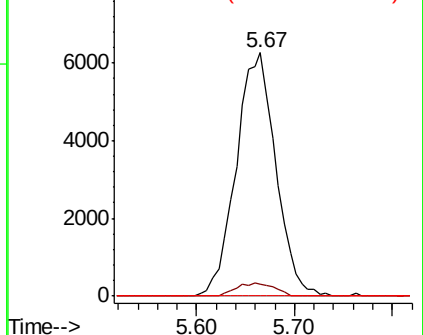


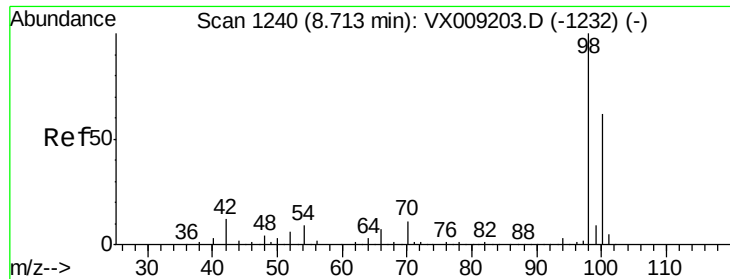
#38
 Carbon Tetrachloride
 Concen: 6.929 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009566.D
 Acq: 14 May 2019 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	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

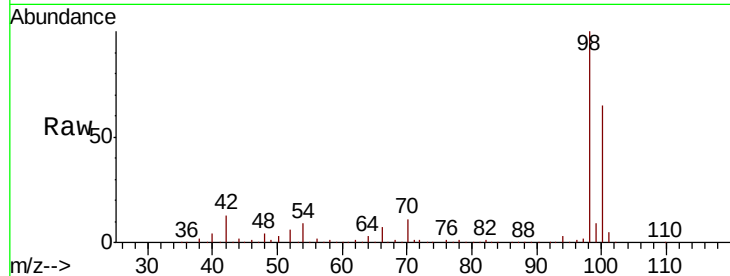




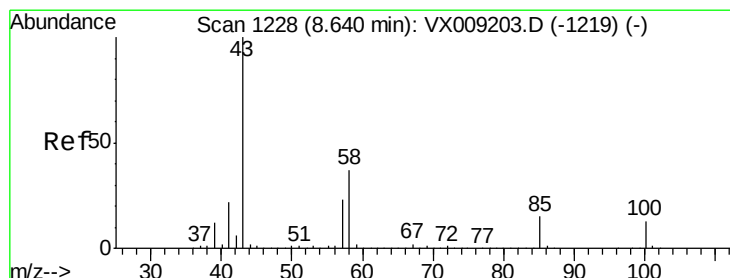
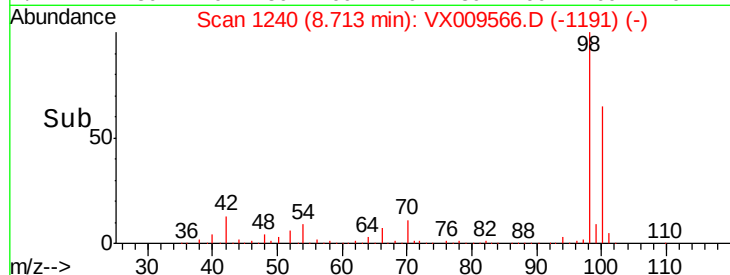
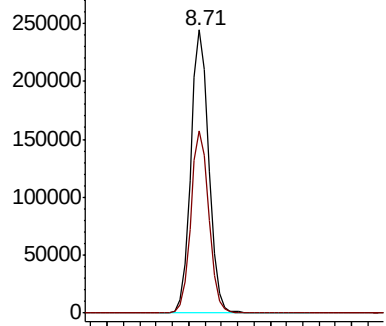
#50
Toluene-d8
Concen: 49.651 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-051419

Tot Ion: 98 Resp: 377890
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

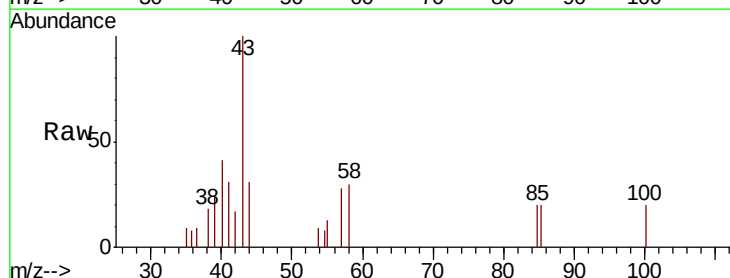


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX

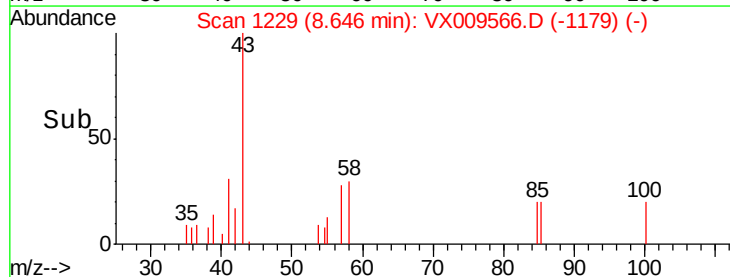
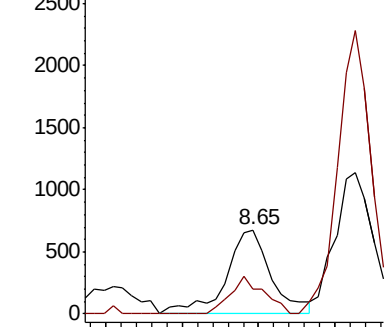


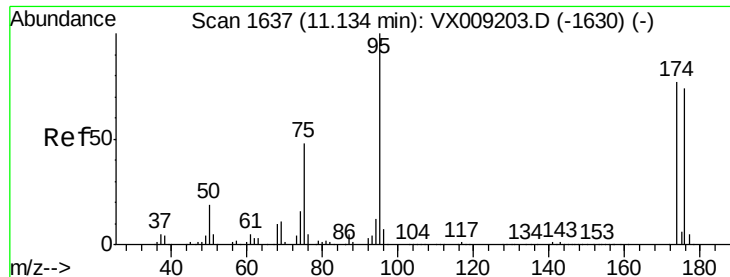
#51
4-Methyl-2-Pentanone
Concen: 0.344 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 33.5 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX





#62

4-Bromofluorobenzene

Concen: 45.843 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-051419

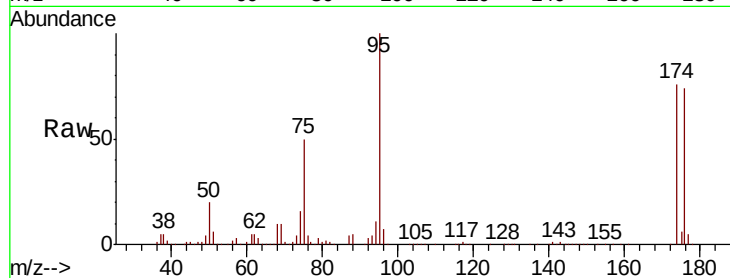
Tot Ion: 95 Resp: 126779

Ion Ratio Lower Upper

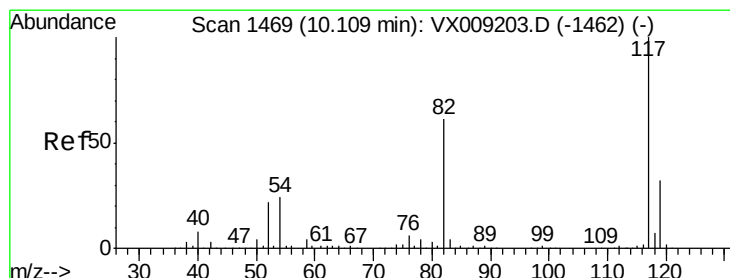
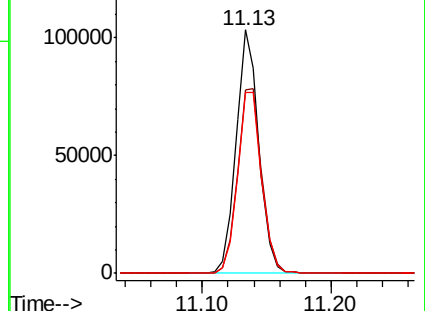
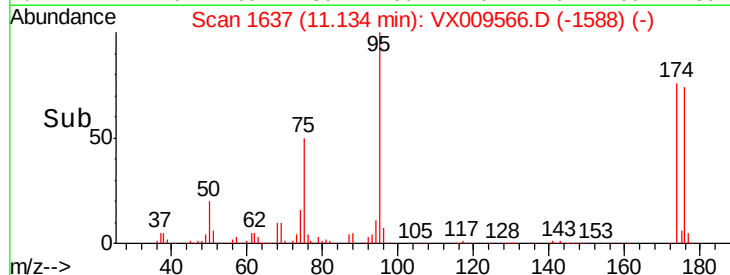
95 100

174 81.4 0.0 161.6

176 79.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009566.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

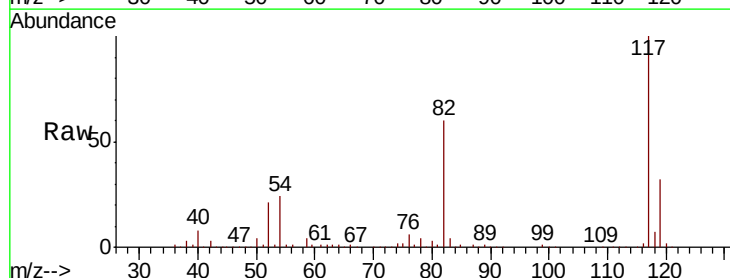
Tgt Ion: 117 Resp: 263002

Ion Ratio Lower Upper

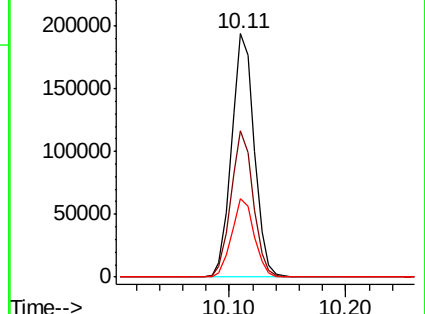
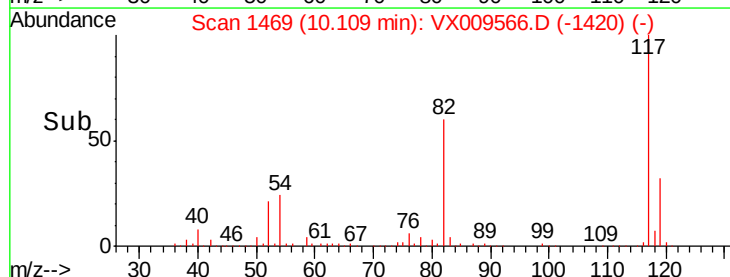
117 100

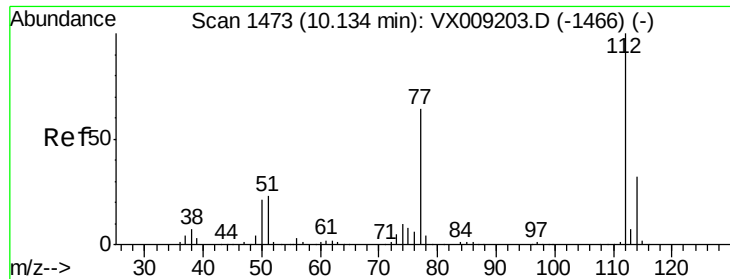
82 60.3 48.8 73.2

119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009566.D (-1420) (-)

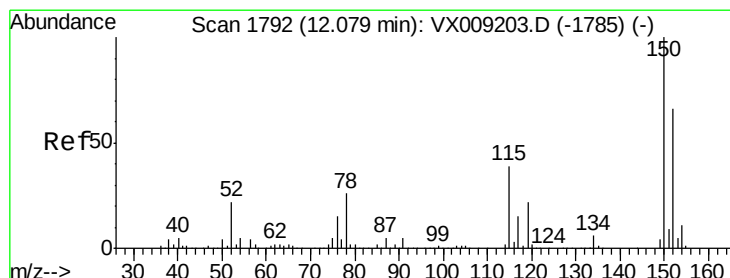
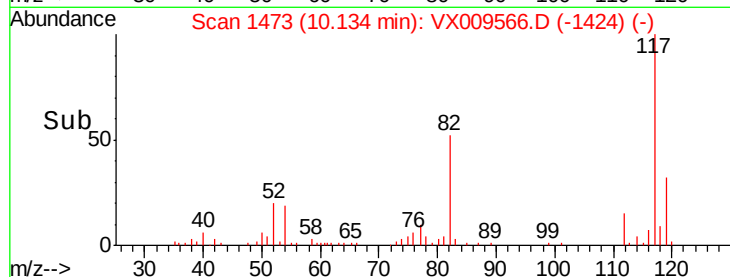
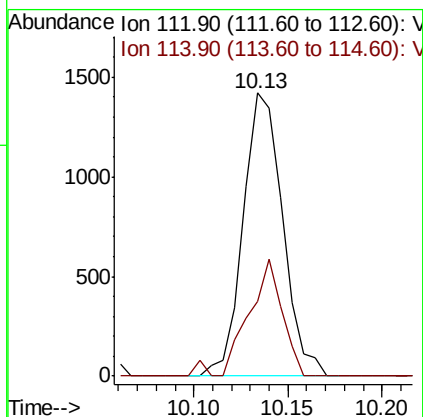
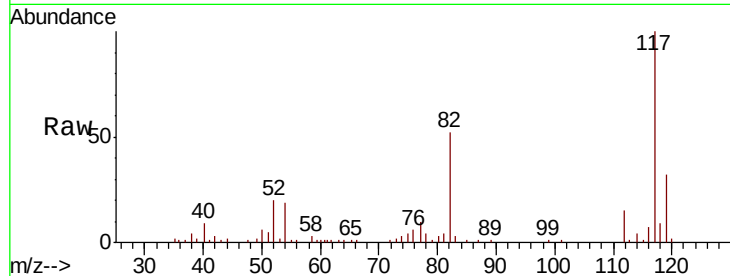




#65
Chlorobenzene
Concen: 0.394 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

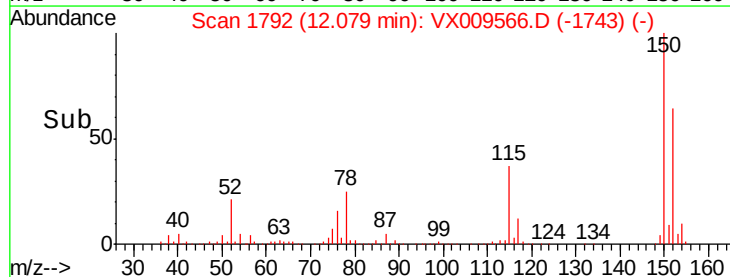
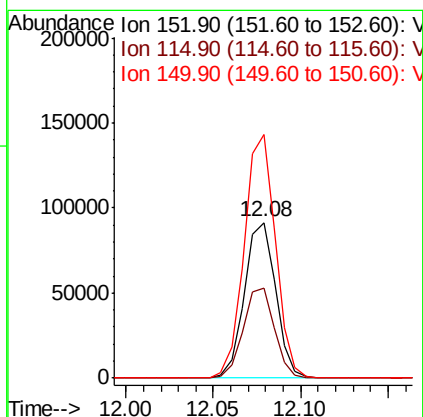
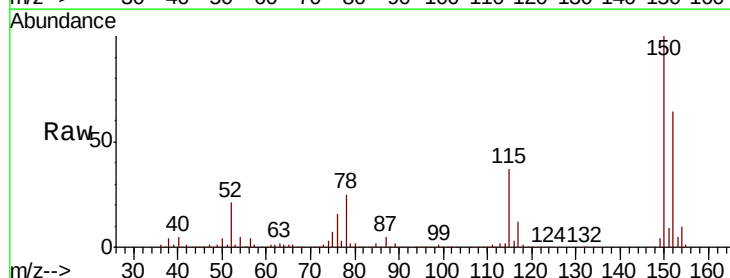
Instrument :
MSVOA_X
ClientSampleId :
FEQC-FB-051419

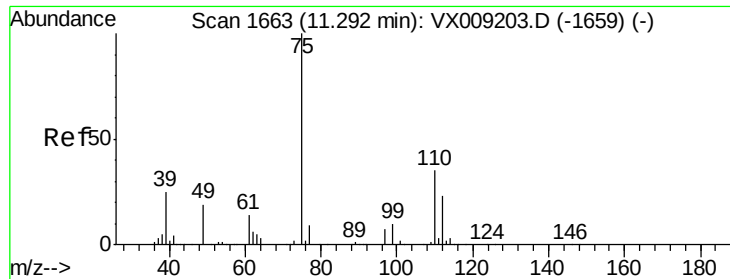
Tot Ion:112 Resp: 2071
Ion Ratio Lower Upper
112 100
114 26.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009566.D
Acq: 14 May 2019 17:08

Tgt Ion:152 Resp: 114595
Ion Ratio Lower Upper
152 100
115 58.1 41.2 123.6
150 156.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.039 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

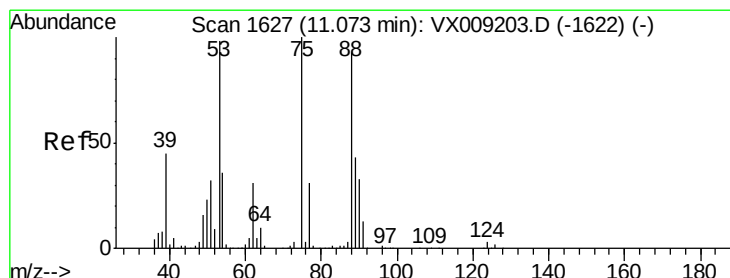
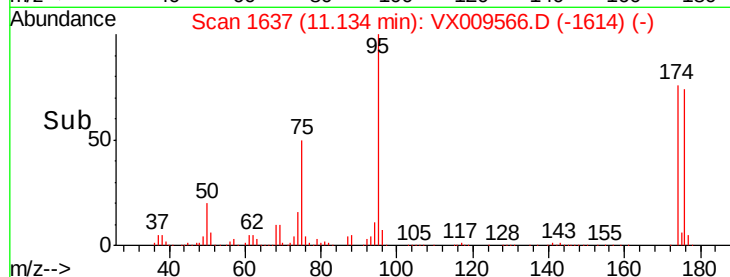
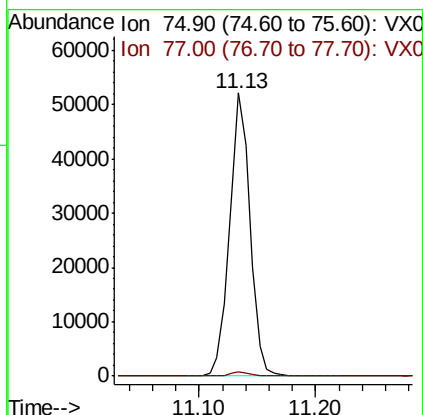
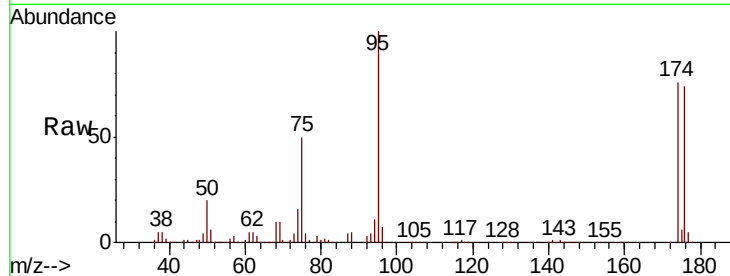
FEQC-FB-051419

Tot Ion: 75 Resp: 63901

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.508 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

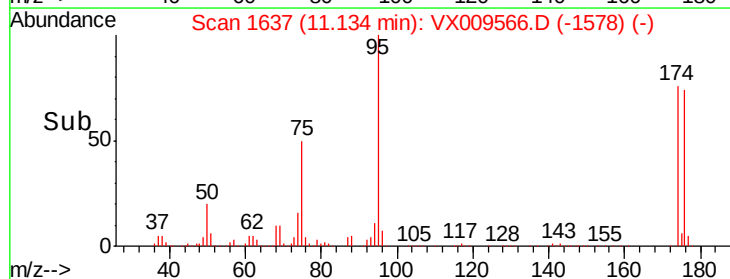
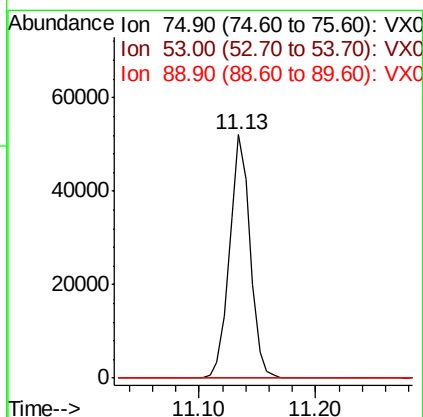
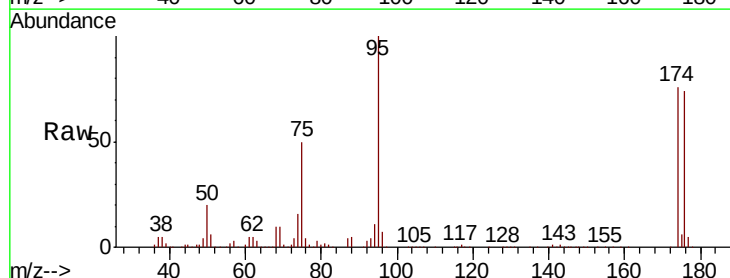
Tgt Ion: 75 Resp: 63901

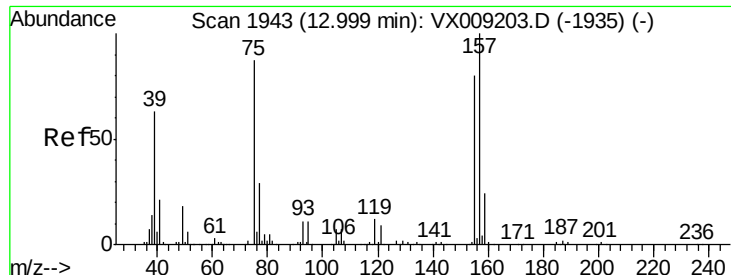
Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.463 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX009566.D

Acq: 14 May 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

FEQC-FB-051419

Tot Ion: 75 Resp: 323

Ion Ratio Lower Upper

75 100

155 0.0 42.0 126.0#

157 0.0 53.2 159.6#

