

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010798.D
 Acq On : 11 Jul 2019 11:43
 Operator : JC/SP
 Sample : K3738-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-20190709

Quant Time: Jul 12 06:50:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136803	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	109636	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
35) Dibromofluoromethane	5.50	113	103280	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.71	98	398470	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	133475	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

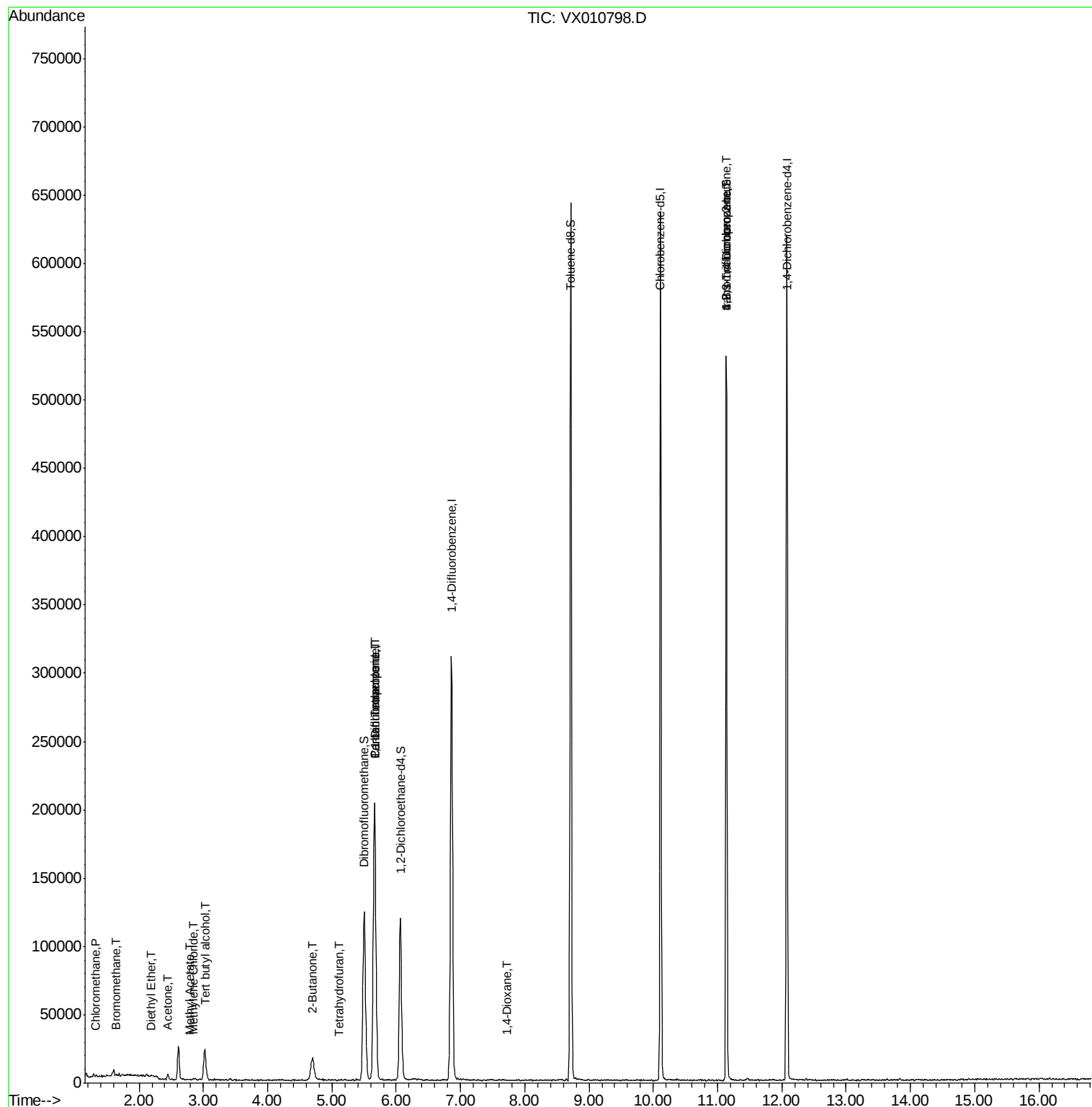
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	495	0.292	ug/l	93
5) Bromomethane	1.65	94	550	0.607	ug/l #	78
8) Diethyl Ether	2.19	74	223	0.211	ug/l #	33
11) Tert butyl alcohol	3.03	59	14802	28.766	ug/l #	90
16) Acetone	2.45	43	4114	4.174	ug/l #	84
18) Methyl Acetate	2.78	43	603	0.307	ug/l #	78
20) Methylene Chloride	2.85	84	610	0.301	ug/l #	40
25) 2-Butanone	4.70	43	1592	1.101	ug/l #	86
29) Tetrahydrofuran	5.12	42	259	0.289	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	13534	5.088	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19692	6.836	ug/l #	15
49) 1,4-Dioxane	7.73	88	20	0.330	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65328	26.206	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65328	61.135	ug/l #	16

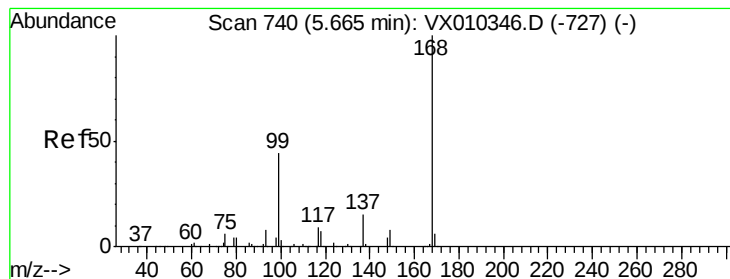
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

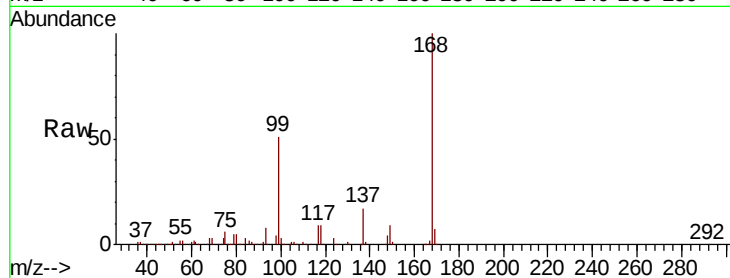
FB-20190709

Tot Ion:168 Resp: 209734

Ion Ratio Lower Upper

168 100

99 51.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

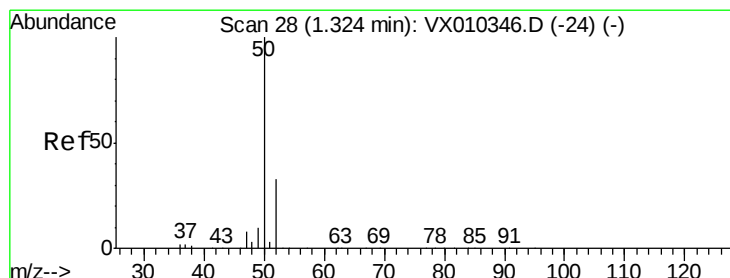
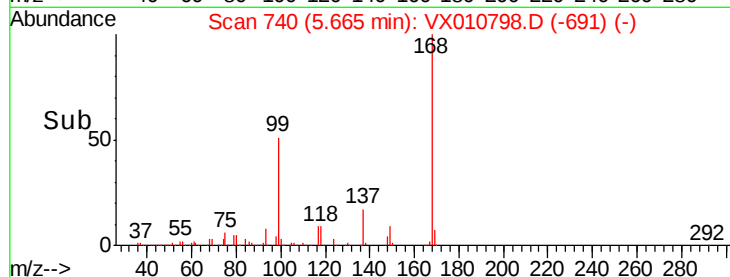
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.292 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010798.D

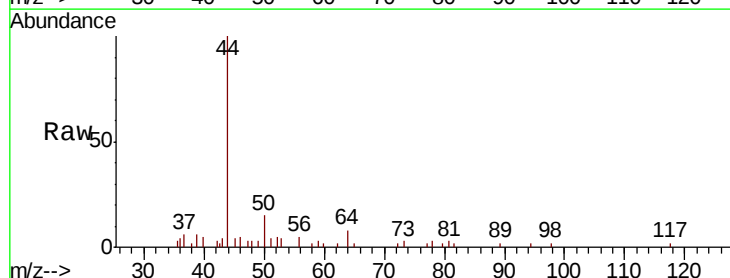
Acq: 11 Jul 2019 11:43

Tgt Ion: 50 Resp: 495

Ion Ratio Lower Upper

50 100

52 37.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

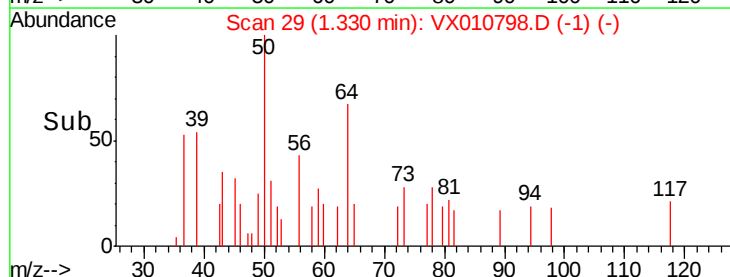
300

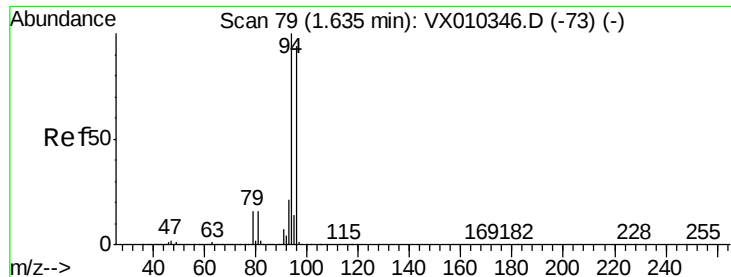
200

100

0

Time--> 1.30 1.32 1.34 1.36 1.38





#5

Bromomethane

Concen: 0.607 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

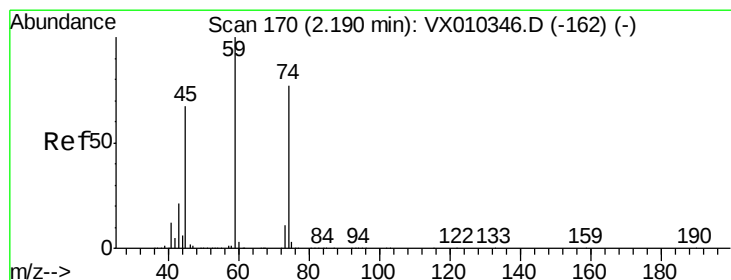
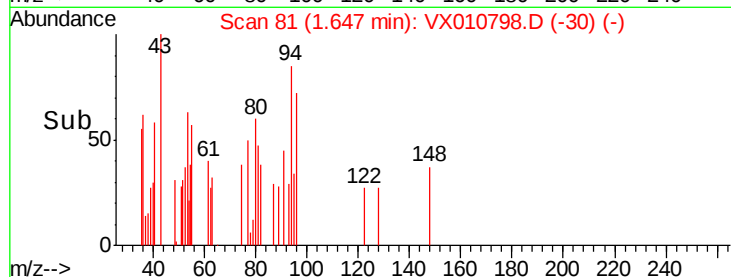
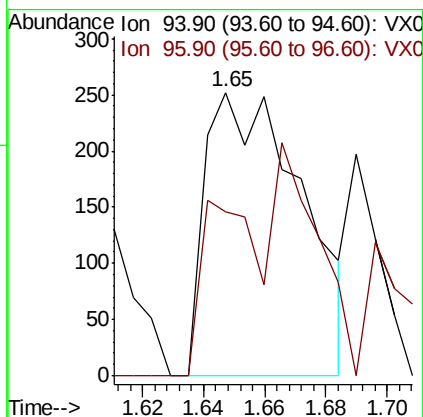
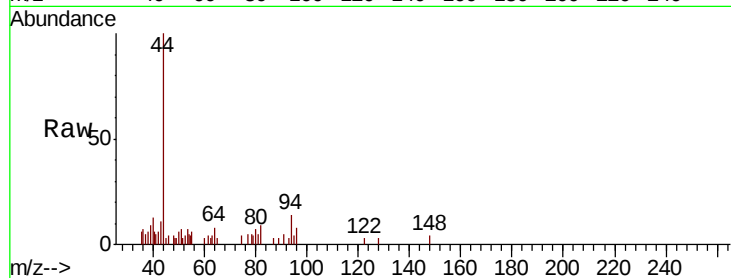
FB-20190709

Tot Ion: 94 Resp: 550

Ion Ratio Lower Upper

94 100

96 72.6 75.5 113.3#



#8

Diethyl Ether

Concen: 0.211 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX010798.D

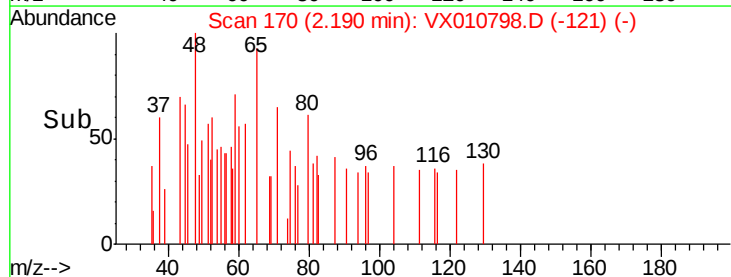
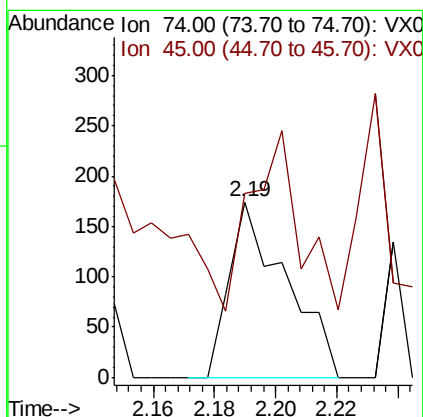
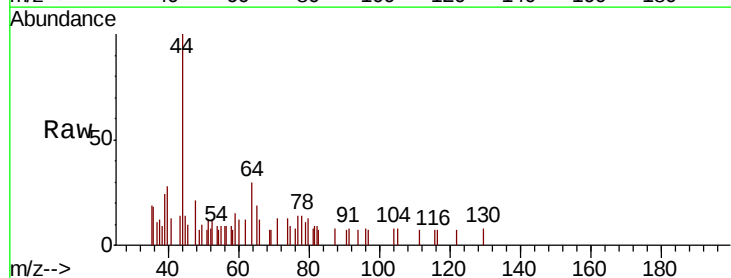
Acq: 11 Jul 2019 11:43

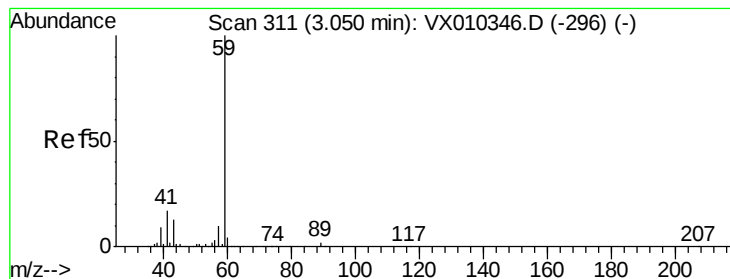
Tgt Ion: 74 Resp: 223

Ion Ratio Lower Upper

74 100

45 152.5 44.8 134.4#



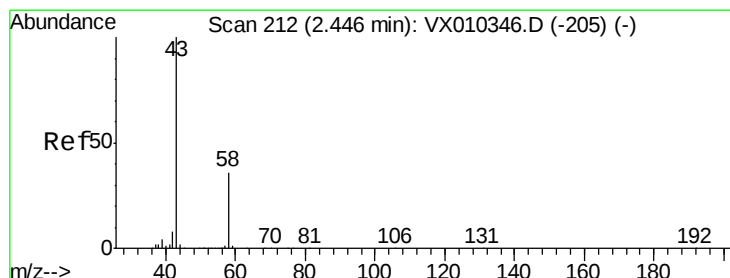
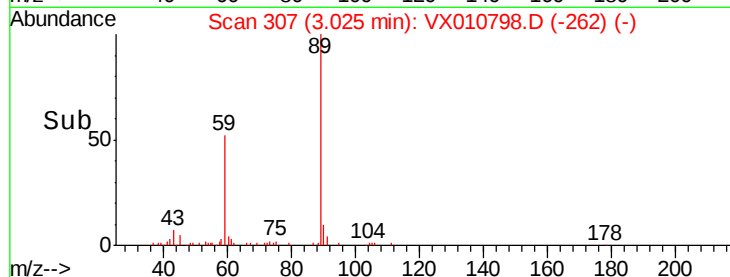
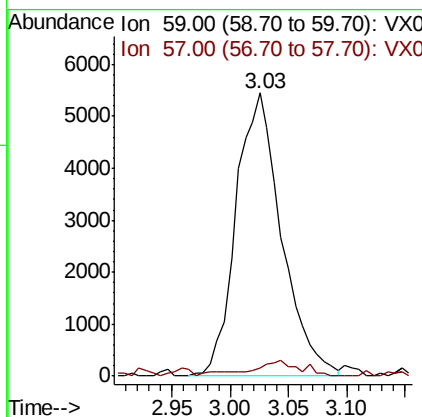
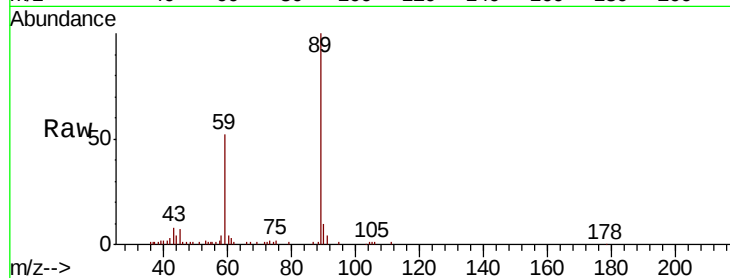


#11

Tert butyl alcohol
 Concen: 28.766 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010798.D
 Acq: 11 Jul 2019 11:43

Instrument :
 MSVOA_X
 ClientSampled :
 FB-20190709

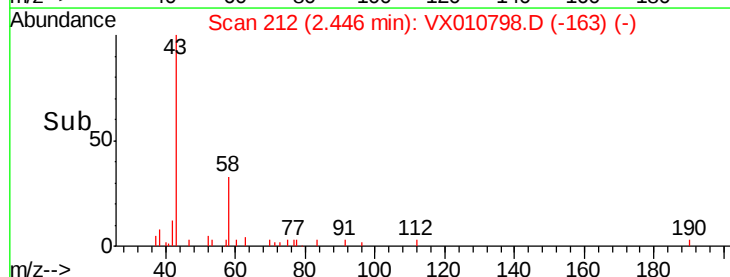
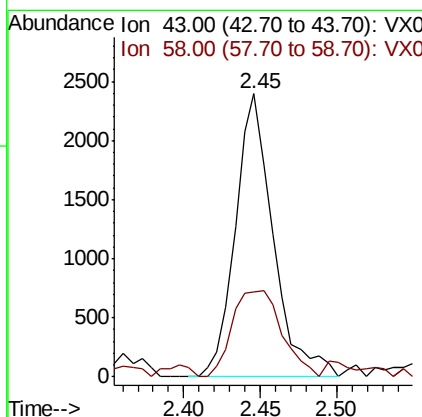
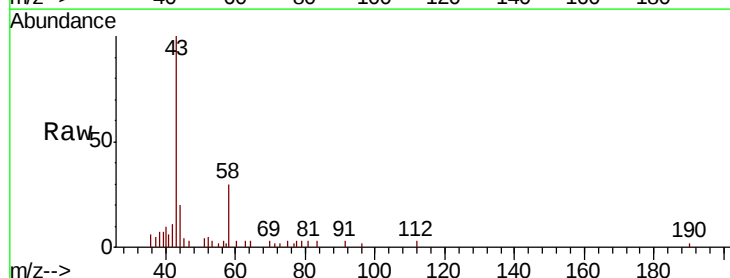
Tot Ion: 59 Resp: 14802
 Ion Ratio Lower Upper
 59 100
 57 6.0 7.7 11.5#

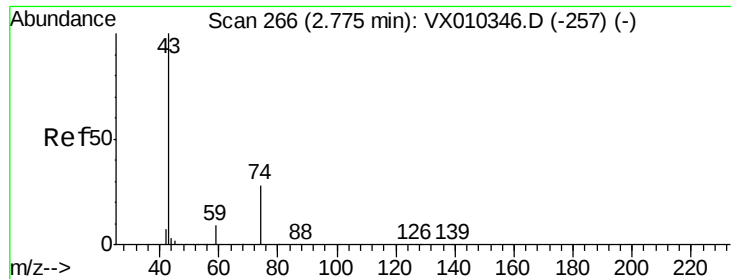


#16

Acetone
 Concen: 4.174 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX010798.D
 Acq: 11 Jul 2019 11:43

Tgt Ion: 43 Resp: 4114
 Ion Ratio Lower Upper
 43 100
 58 26.7 28.9 43.3#

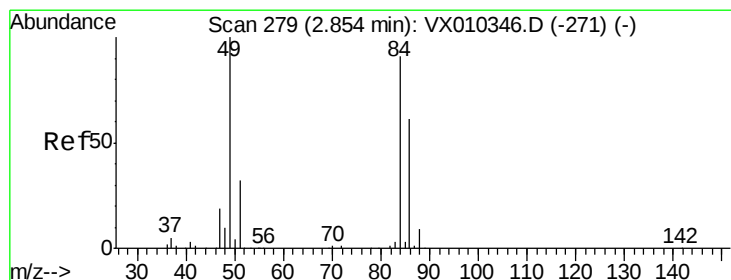
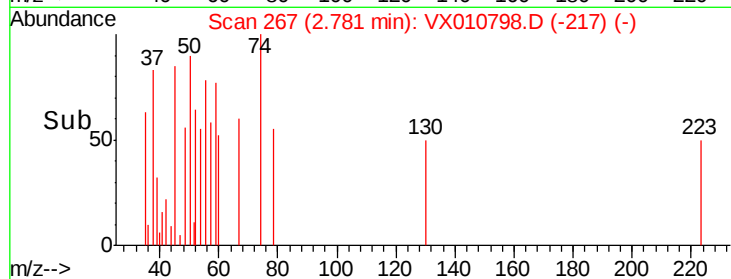
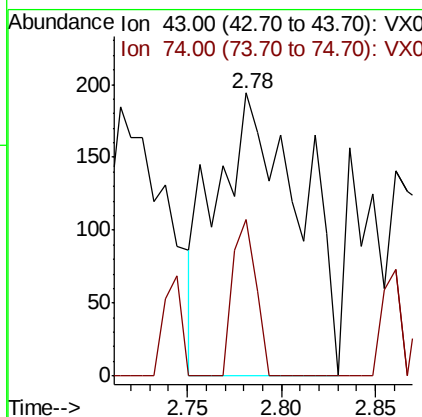
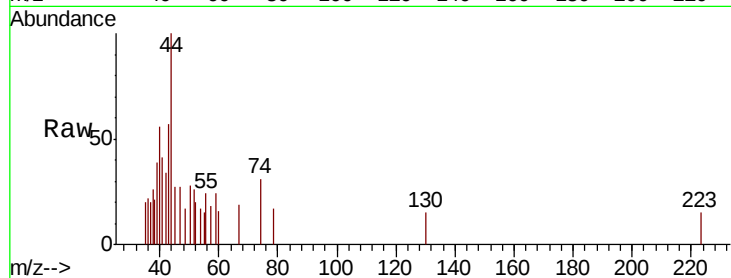




#18
Methyl Acetate
Concen: 0.307 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010798.D
Acq: 11 Jul 2019 11:43

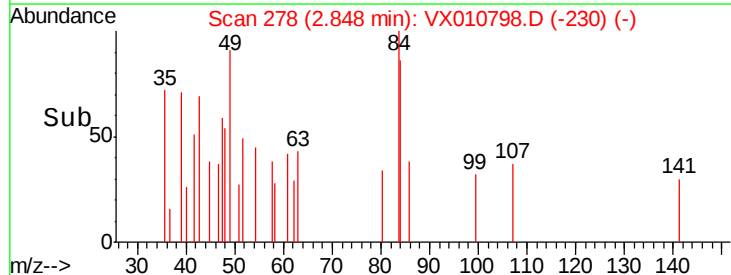
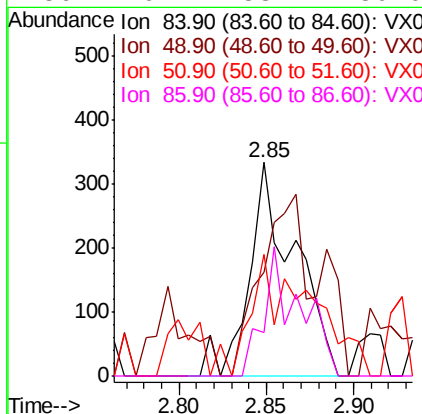
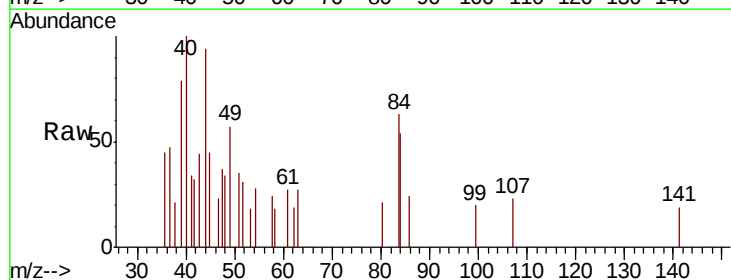
Instrument :
MSVOA_X
ClientSampled :
FB-20190709

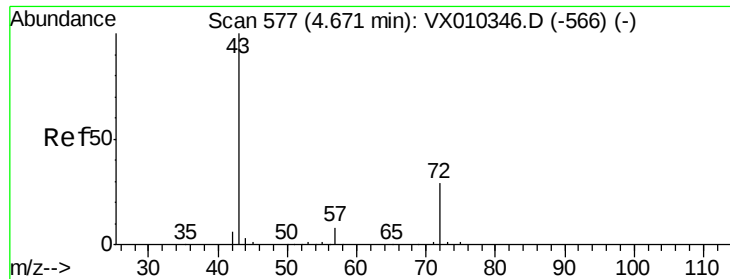
Tot Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
74 15.3 21.3 31.9#



#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010798.D
Acq: 11 Jul 2019 11:43

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 29.6 87.5 131.3#
51 41.6 27.7 41.5#
86 20.7 53.4 80.0#





#25

2-Butanone

Concen: 1.101 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

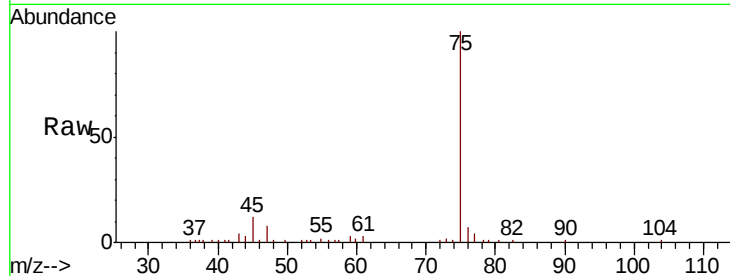
FB-20190709

Tot Ion: 43 Resp: 1592

Ion Ratio Lower Upper

43 100

72 36.7 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

400

300

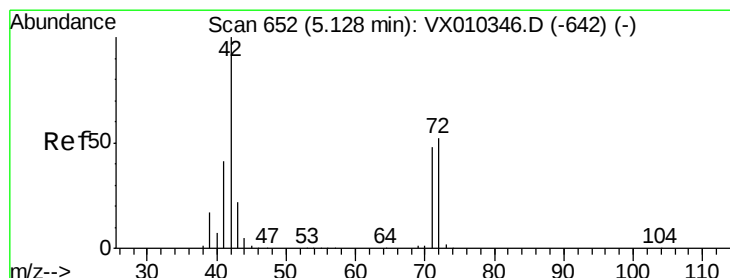
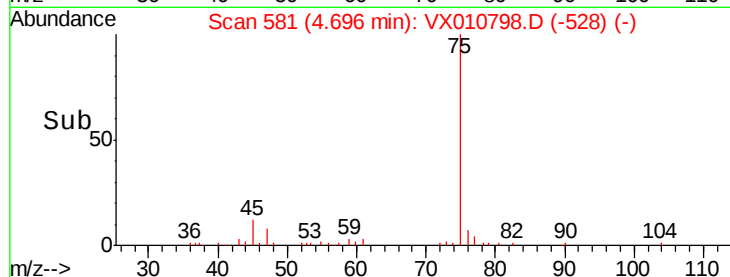
200

100

0

4.60 4.65 4.70 4.75 4.80

Time-->



#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

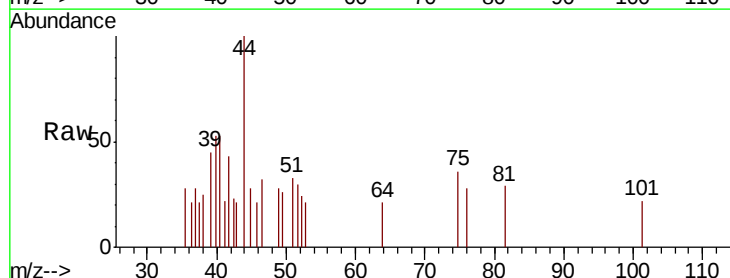
Tgt Ion: 42 Resp: 259

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

71 0.0 37.8 56.8#



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

250

200

150

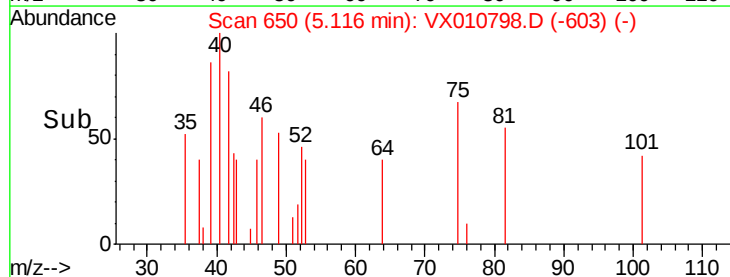
100

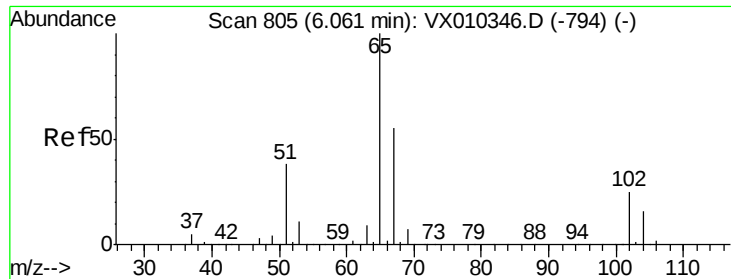
50

0

5.08 5.10 5.12 5.14

Time-->

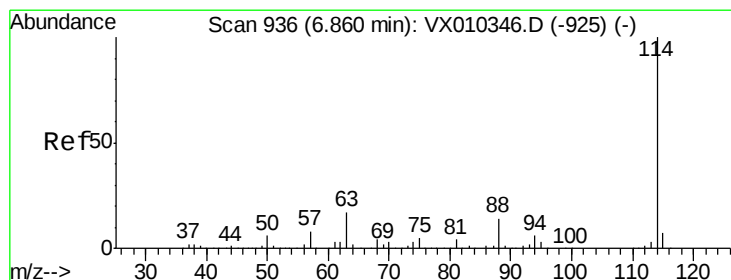
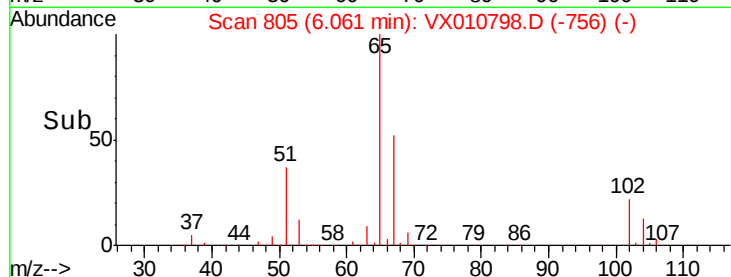
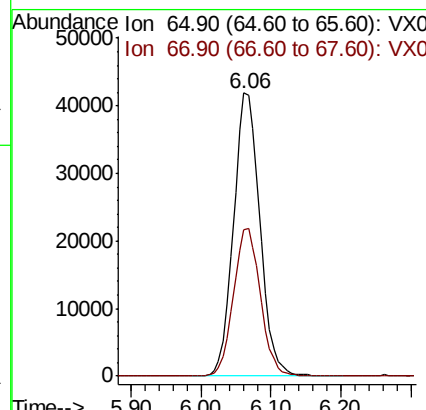
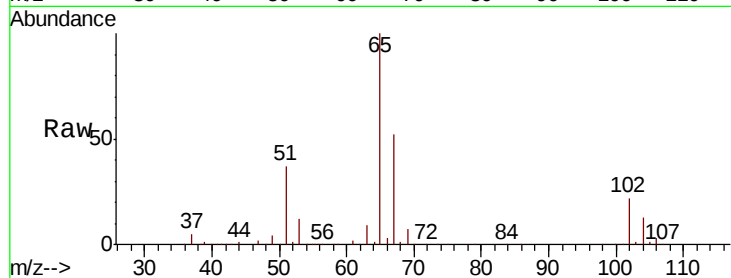




#33
 1,2-Dichloroethane-d4
 Concen: 55.753 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010798.D
 Acq: 11 Jul 2019 11:43

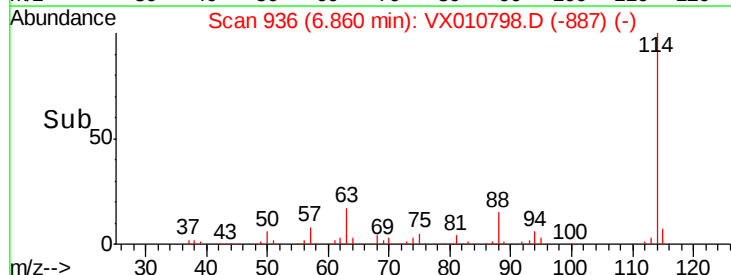
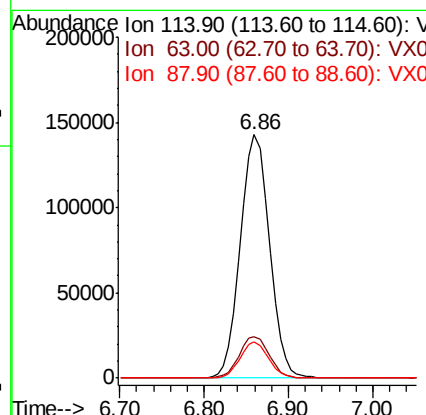
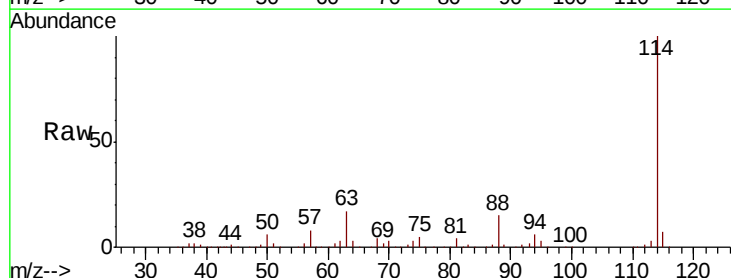
Instrument :
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 FB-20190709

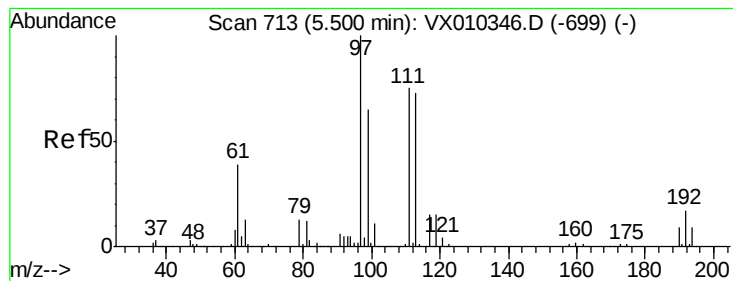
Tot Ion: 65 Resp: 109636
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010798.D
 Acq: 11 Jul 2019 11:43

Tgt Ion: 114 Resp: 334753
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 14.7 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.426 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

FB-20190709

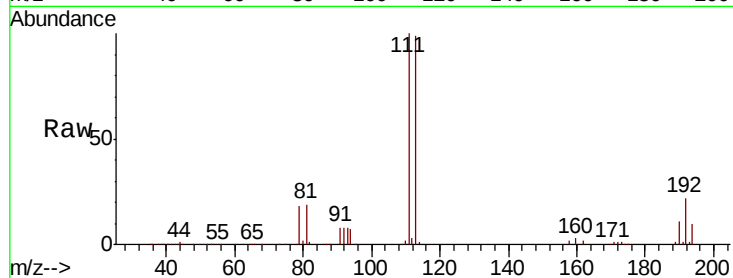
Tot Ion:113 Resp: 103280

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

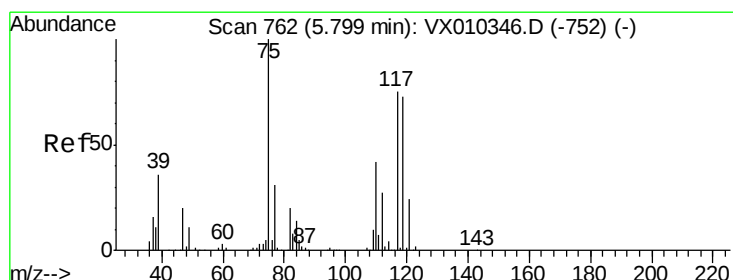
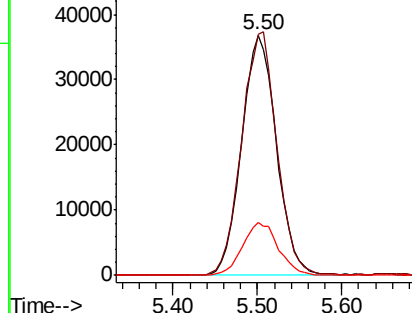
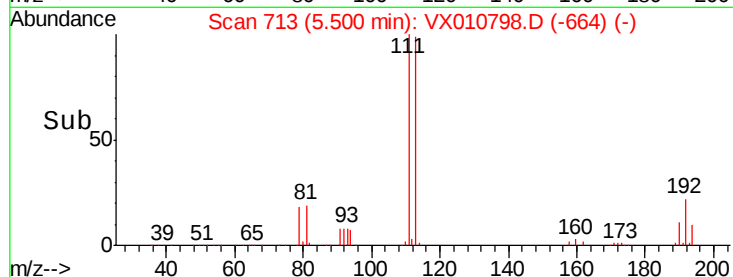
192 22.5 18.6 27.8



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: 5.088 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

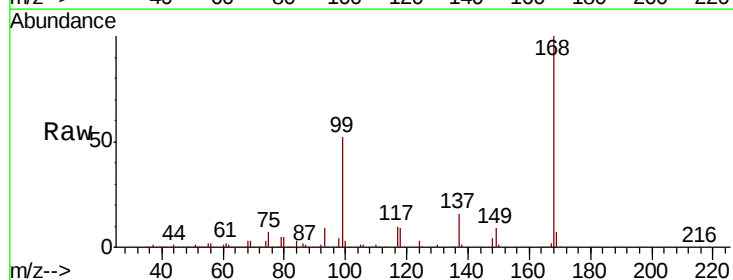
Tgt Ion: 75 Resp: 13534

Ion Ratio Lower Upper

75 100

110 11.5 20.8 62.2#

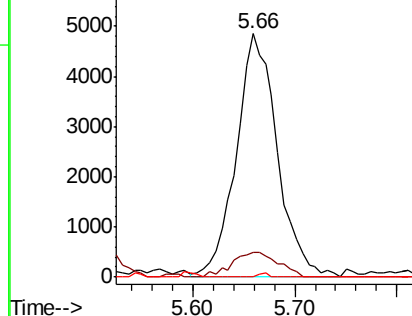
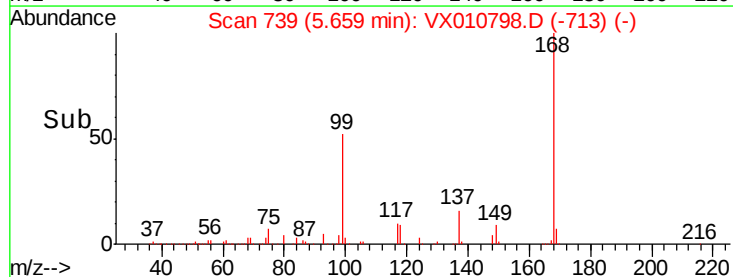
77 0.4 25.4 38.0#

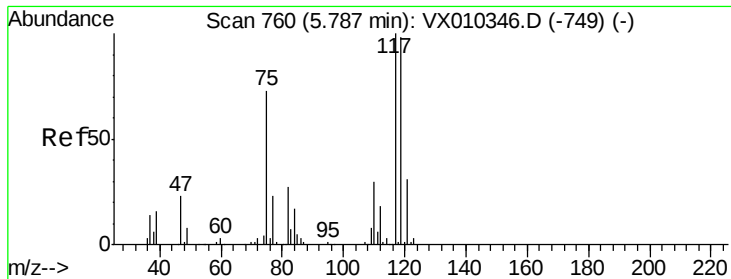


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

FB-20190709

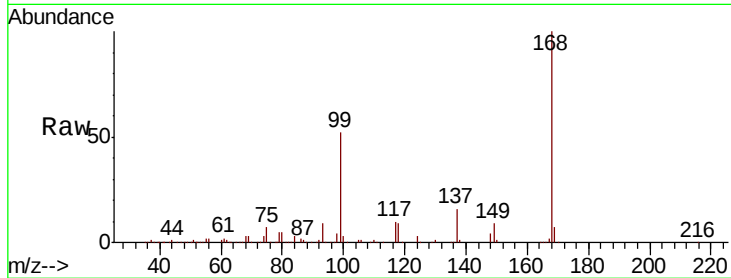
Tot Ion:117 Resp: 19692

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

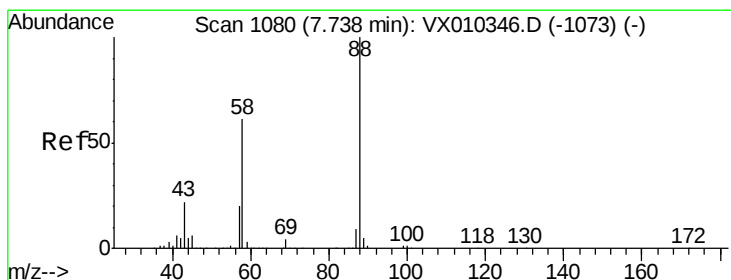
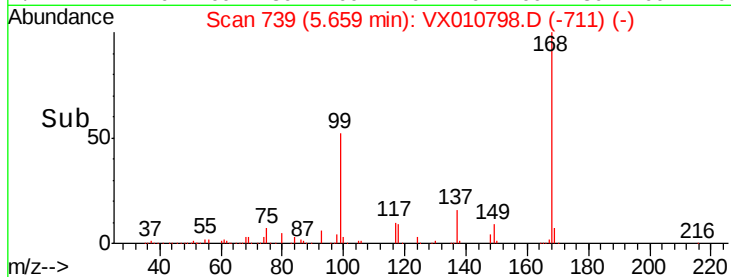
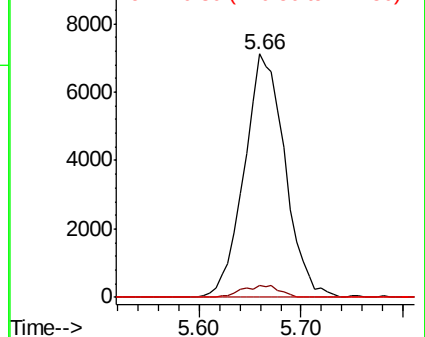
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.330 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

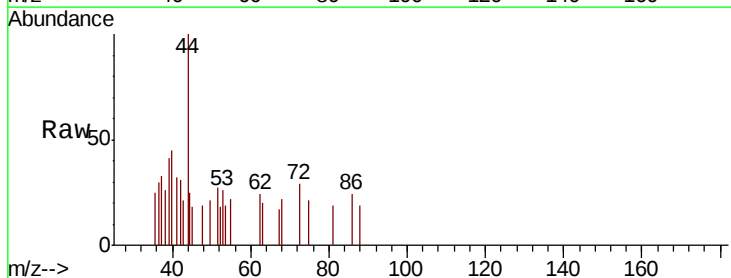
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 425.0 20.2 30.2#

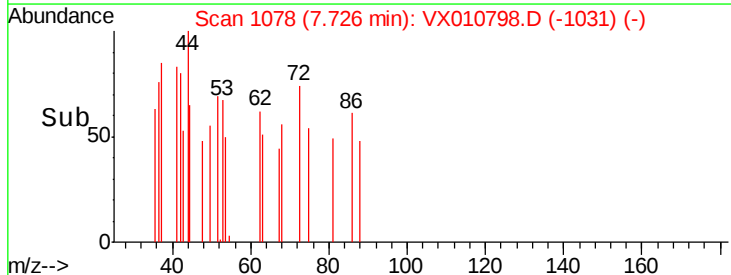
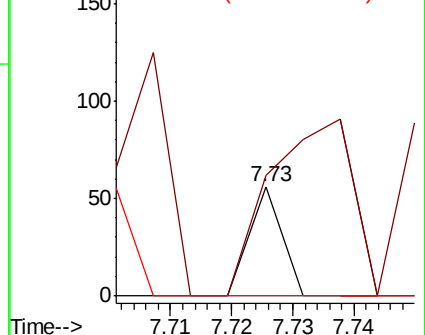
58 0.0 49.5 74.3#

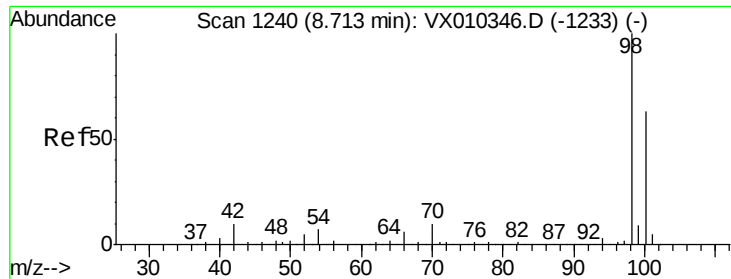


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

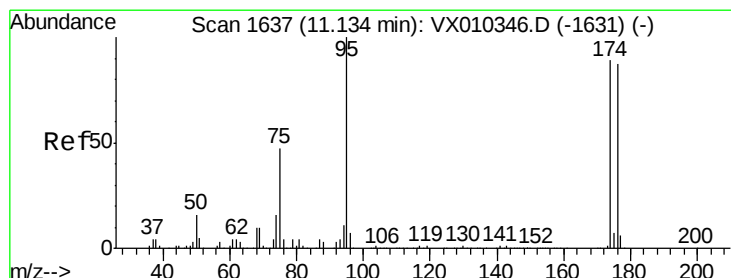
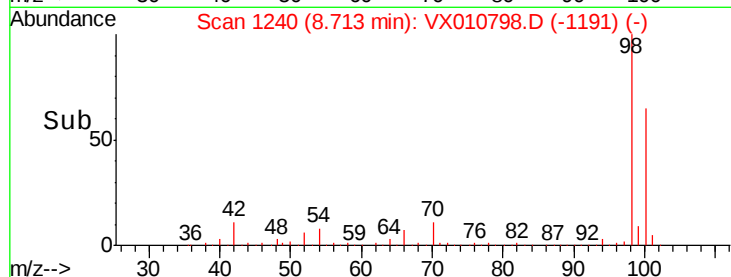
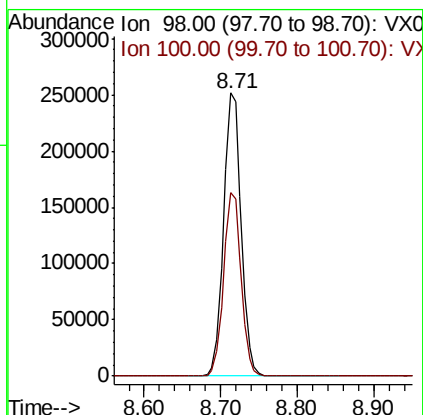
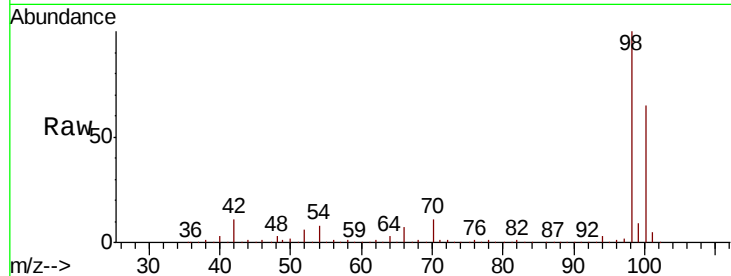




#50
Toluene-d8
Concen: 50.853 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010798.D
Acq: 11 Jul 2019 11:43

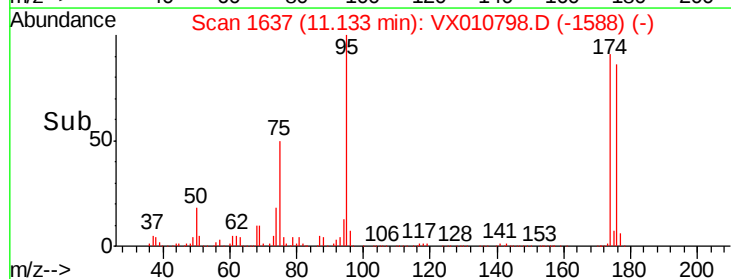
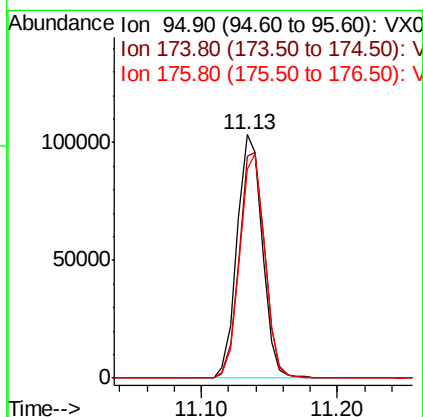
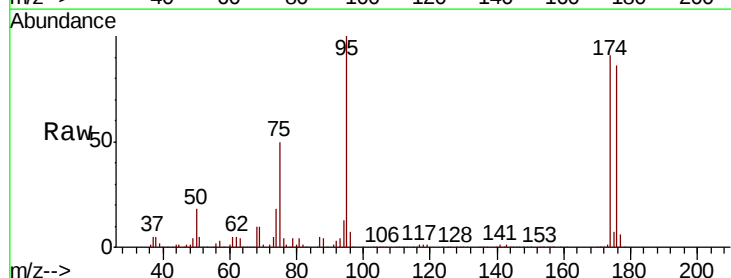
Instrument :
MSVOA_X
ClientSampled :
FB-20190709

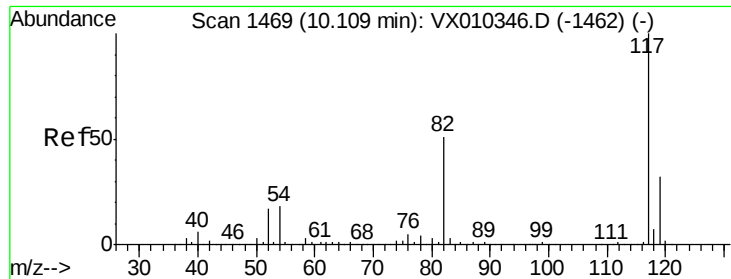
Tot Ion: 98 Resp: 398470
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.182 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010798.D
Acq: 11 Jul 2019 11:43

Tgt Ion: 95 Resp: 133475
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.6
176 91.1 0.0 184.0

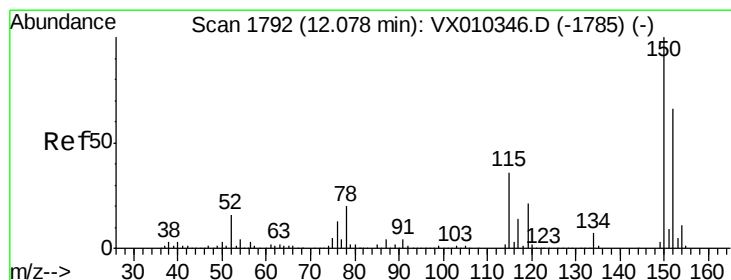
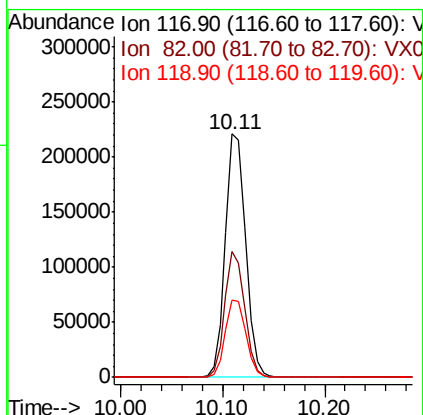
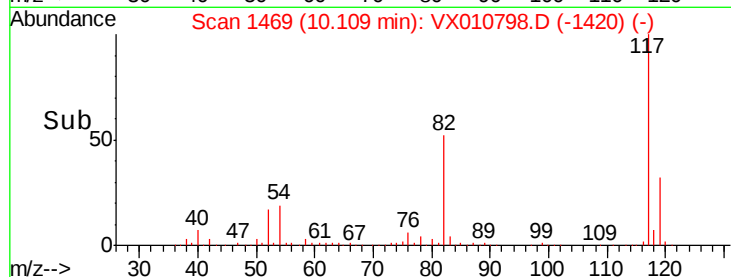
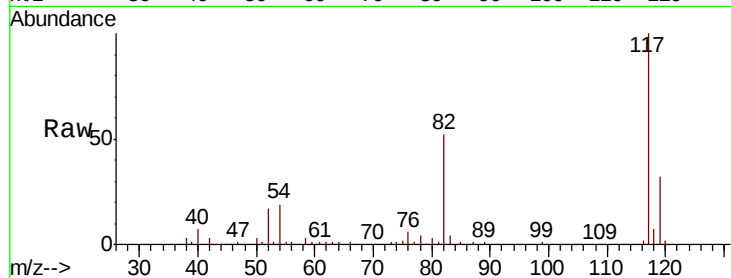




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010798.D
Acq: 11 Jul 2019 11:43

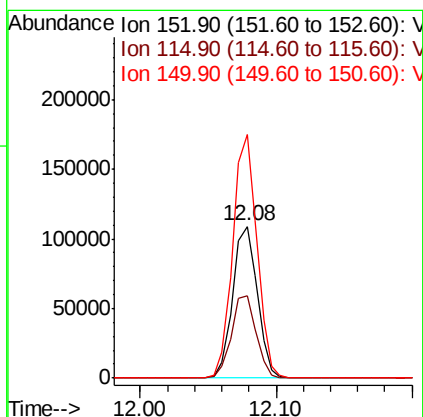
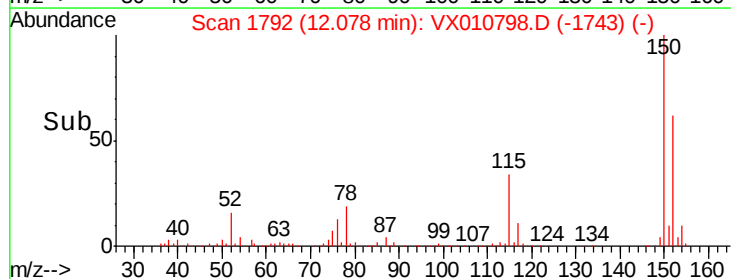
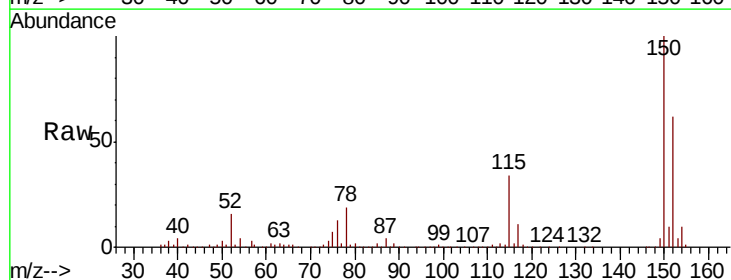
Instrument :
MSVOA_X
ClientSampleId :
FB-20190709

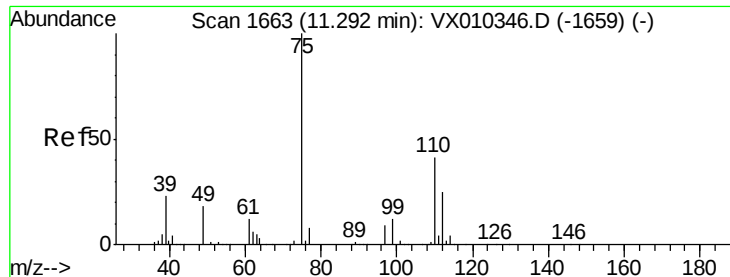
Tot Ion:117 Resp: 307444
Ion Ratio Lower Upper
117 100
82 51.6 41.2 61.8
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010798.D
Acq: 11 Jul 2019 11:43

Tgt Ion:152 Resp: 136803
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 157.9 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 26.206 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

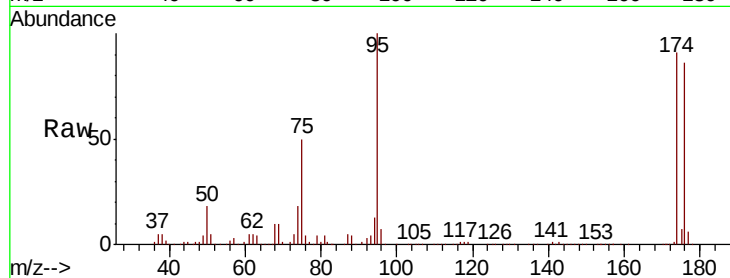
FB-20190709

Tot Ion: 75 Resp: 65328

Ion Ratio Lower Upper

75 100

77 1.7 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

50000

40000

30000

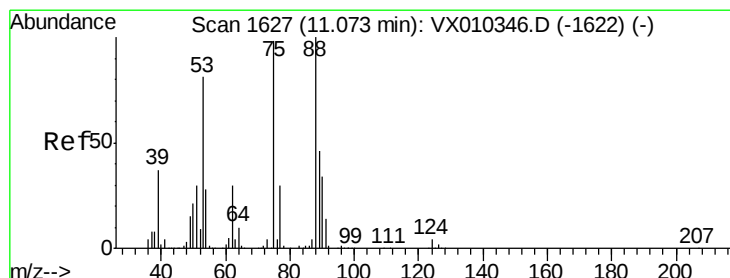
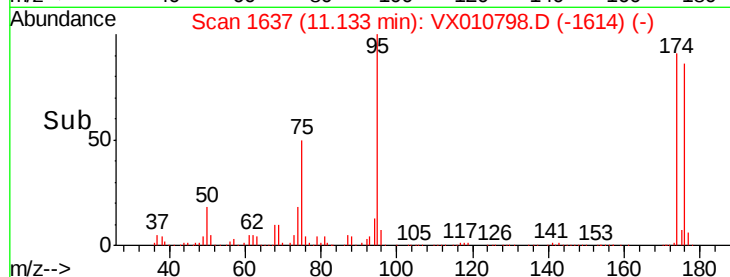
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.135 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010798.D

Acq: 11 Jul 2019 11:43

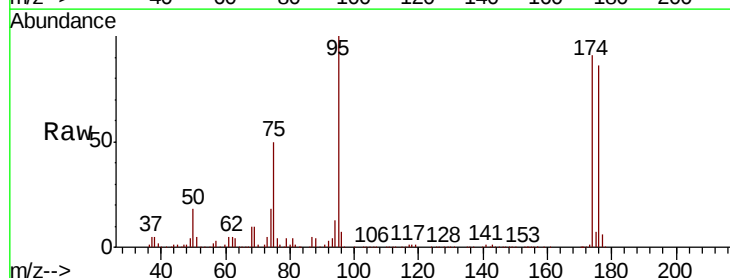
Tgt Ion: 75 Resp: 65328

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#



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

60000

40000

20000

0

Time-->

11.10 11.20

