

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010356.D
 Acq On : 20 Jun 2019 14:51
 Operator : JC/SP
 Sample : K3469-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-061919-01

Quant Time: Jun 21 01:21:27 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	318058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	433171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	145091	48.65	ug/l	0.00
Spiked Amount						
			Recovery	=	97.30%	
35) Dibromofluoromethane	5.49	113	147956	49.92	ug/l	0.00
Spiked Amount						
			Recovery	=	99.84%	
50) Toluene-d8	8.71	98	564291	49.77	ug/l	0.00
Spiked Amount						
			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	190689	46.58	ug/l	0.00
Spiked Amount						
			Recovery	=	93.16%	

Target Compounds

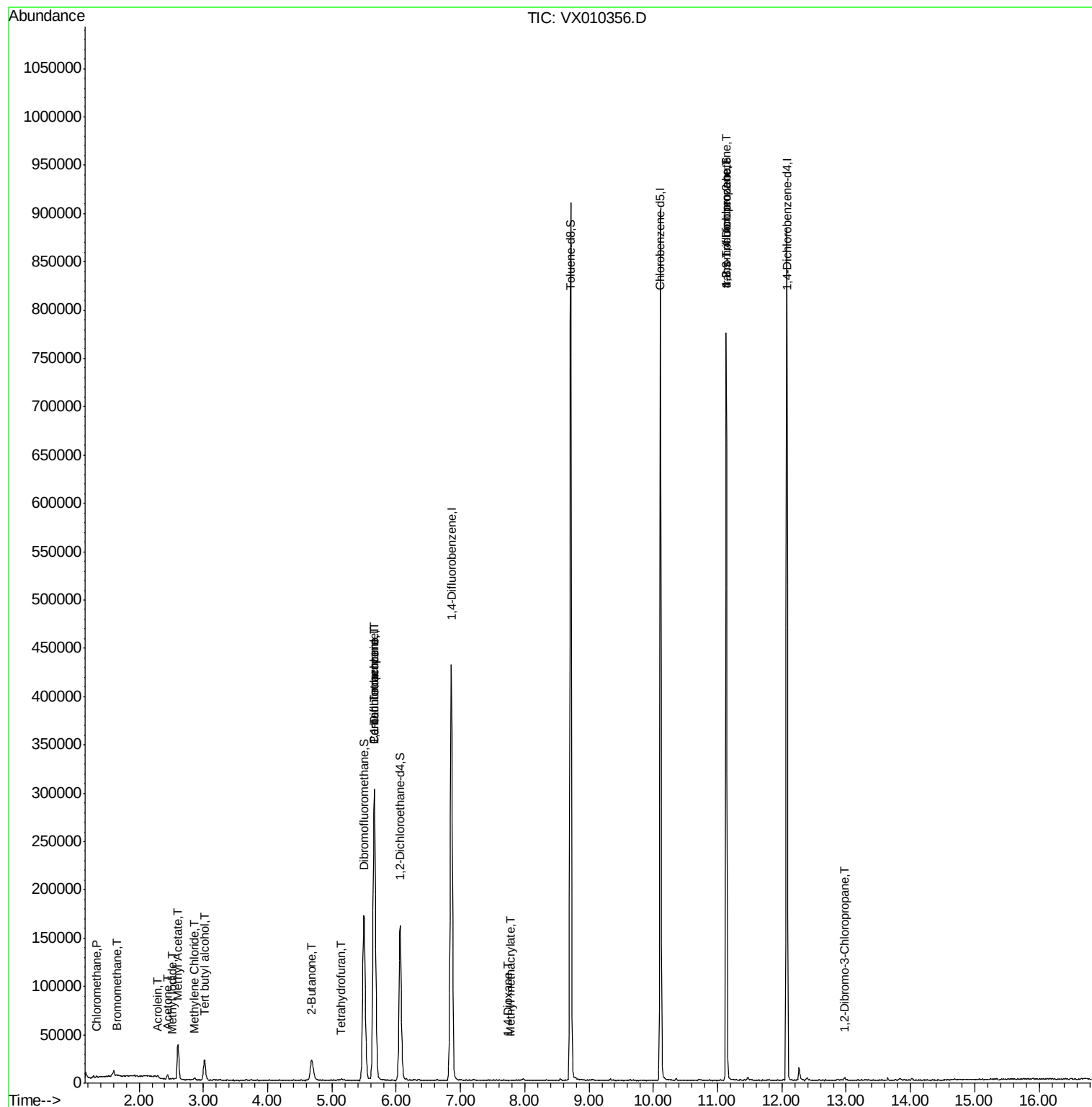
						Qvalue
3) Chloromethane	1.33	50	560	0.217	ug/l #	82
5) Bromomethane	1.65	94	381	0.277	ug/l #	70
10) Methyl Iodide	2.51	142	1360	0.352	ug/l	94
11) Tert butyl alcohol	3.01	59	12056	15.450	ug/l #	77
13) Acrolein	2.29	56	253	0.489	ug/l #	61
16) Acetone	2.44	43	5717	3.825	ug/l	90
18) Methyl Acetate	2.60	43	9050	3.038	ug/l #	48
20) Methylene Chloride	2.86	84	1082	0.352	ug/l #	66
25) 2-Butanone	4.68	43	2033	0.927	ug/l #	88
29) Tetrahydrofuran	5.14	42	699	0.515	ug/l #	59
36) 1,1-Dichloropropene	5.66	75	19563	5.082	ug/l #	47
38) Carbon Tetrachloride	5.66	117	27759	6.660	ug/l #	15
48) Methyl methacrylate	7.78	41	695	0.228	ug/l #	24
49) 1,4-Dioxane	7.74	88	38	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	88673	24.091	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	88673	56.202	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	12.97	75	528	0.540	ug/l #	1

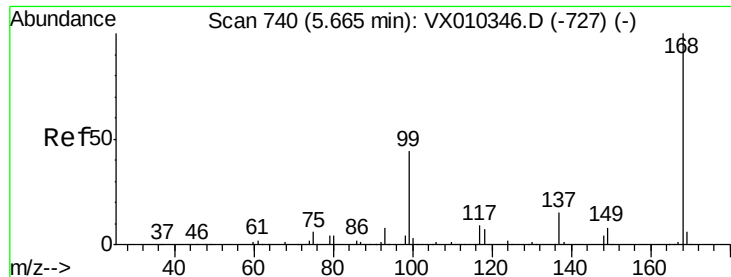
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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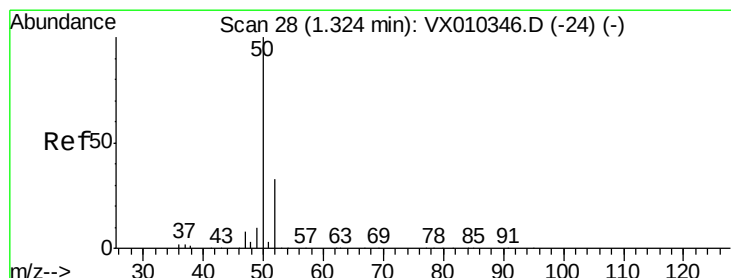
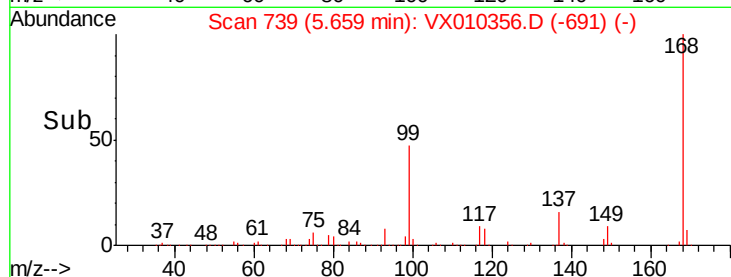
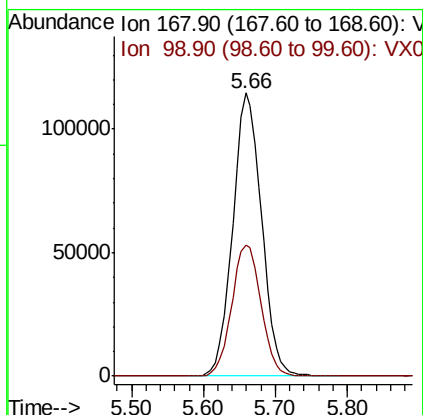
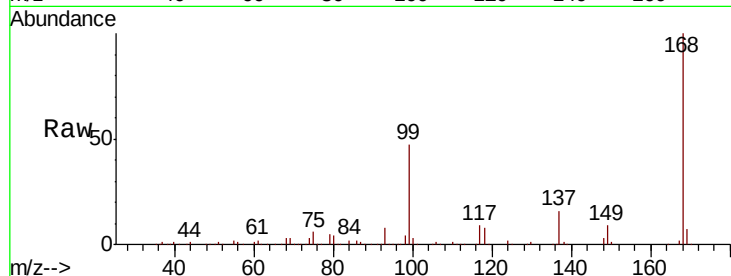




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

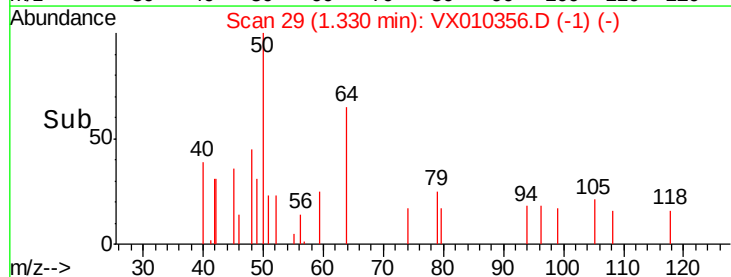
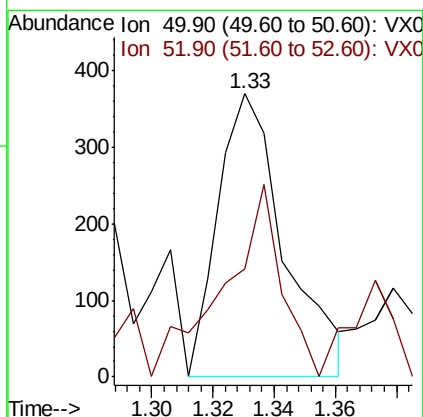
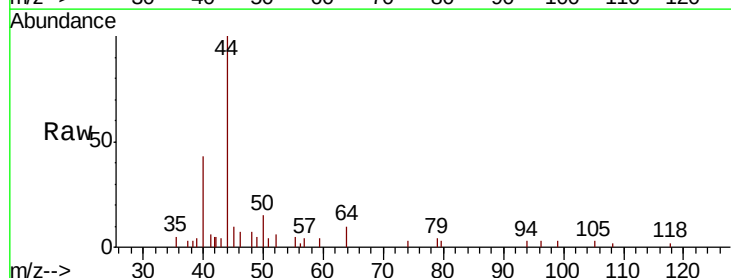
Instrument :
MSVOA_X
ClientSampled :
FB-061919-01

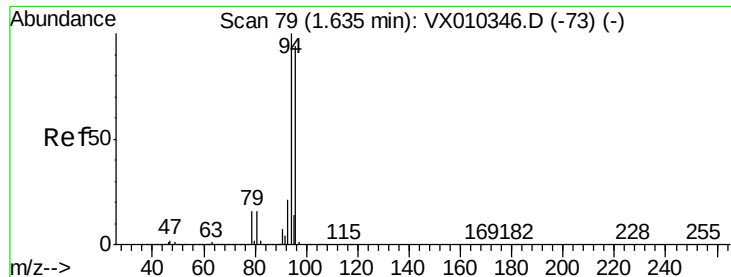
Tot Ion:168 Resp: 318058
Ion Ratio Lower Upper
168 100
99 46.5 35.5 53.3



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 23.0 26.5 39.7#





#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

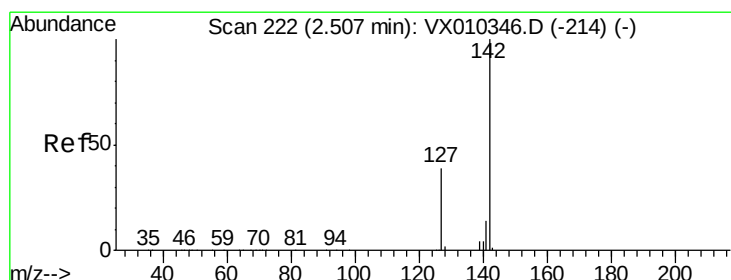
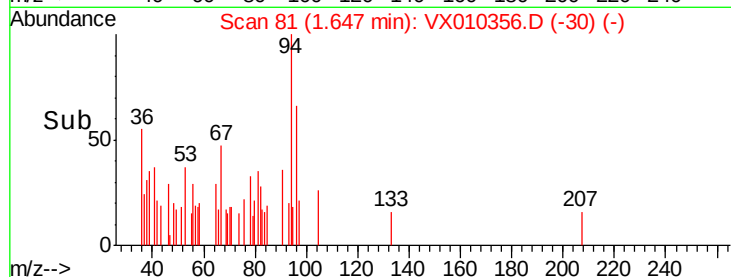
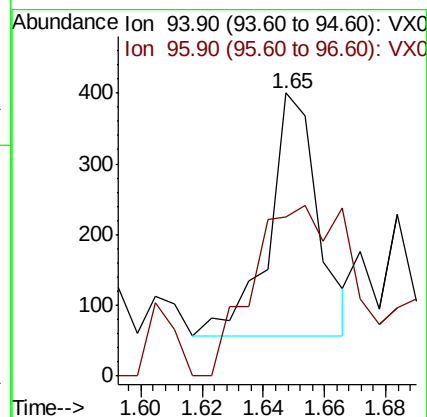
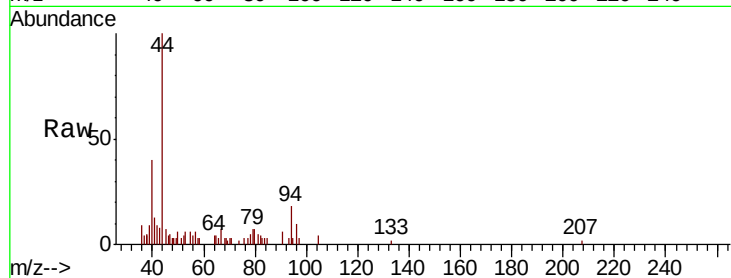
FB-061919-01

Tot Ion: 94 Resp: 381

Ion Ratio Lower Upper

94 100

96 65.6 75.5 113.3#



#10

Methyl Iodide

Concen: 0.352 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

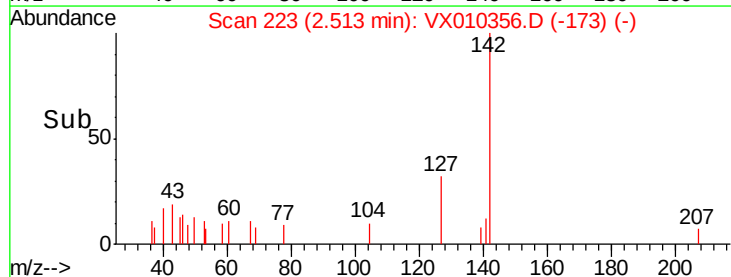
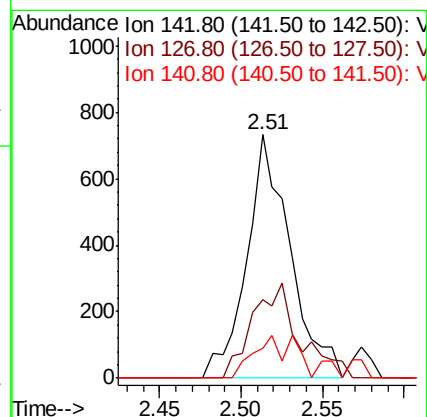
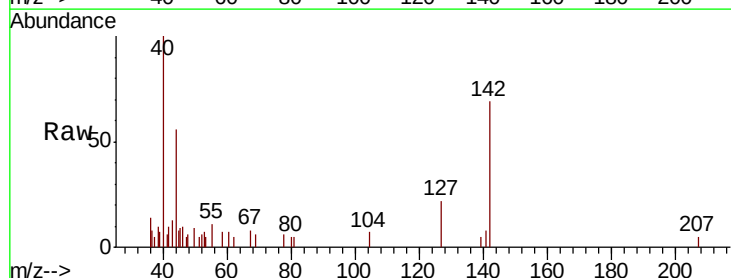
Tgt Ion: 142 Resp: 1360

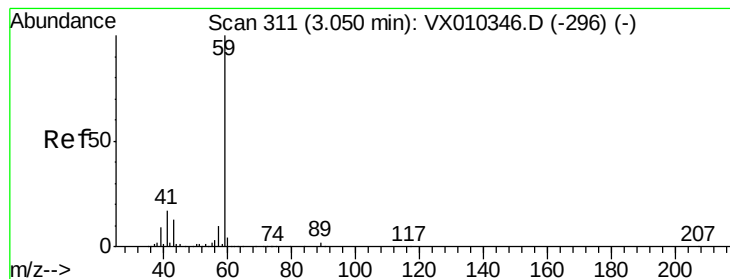
Ion Ratio Lower Upper

142 100

127 42.4 31.1 46.7

141 16.0 11.2 16.8



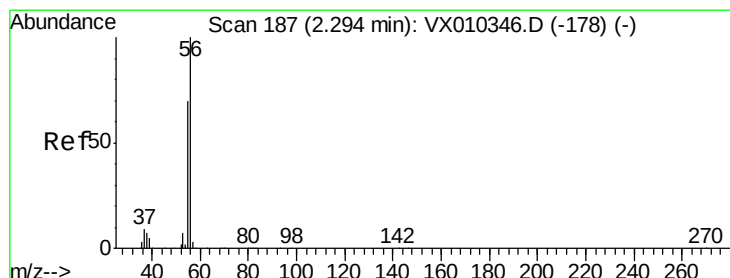
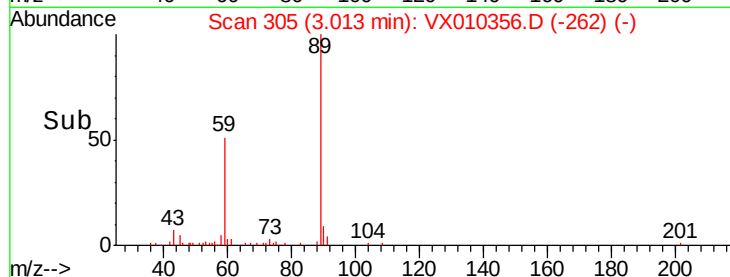
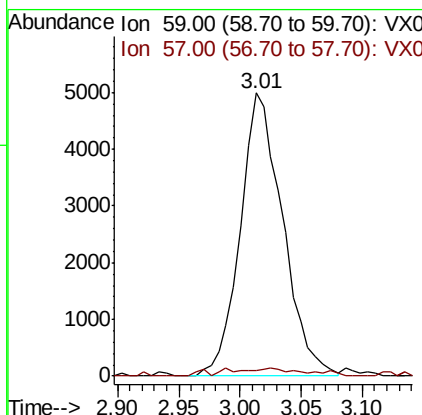
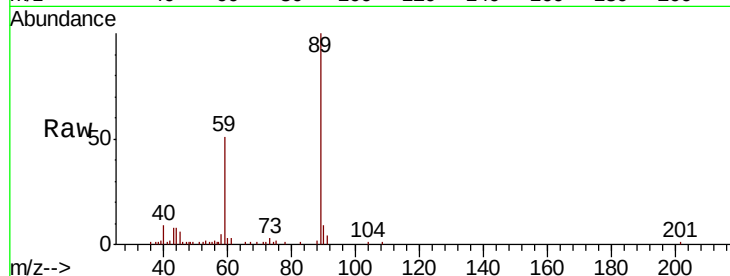


#11

Tert butyl alcohol
 Concen: 15.450 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010356.D
 Acq: 20 Jun 2019 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-061919-01

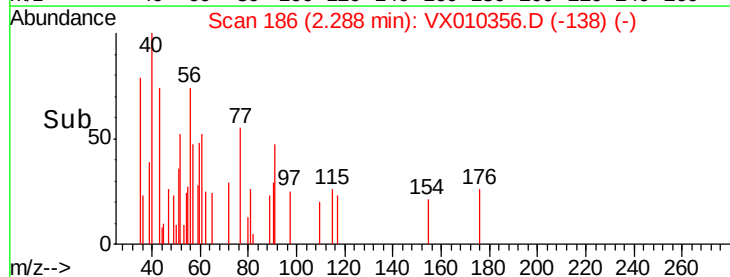
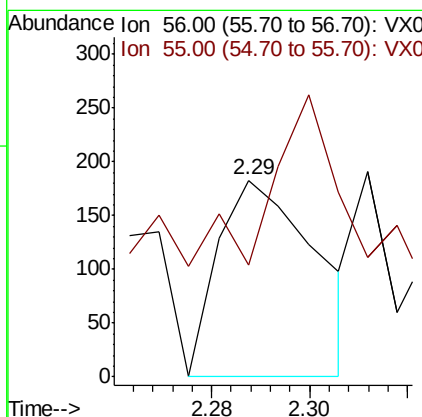
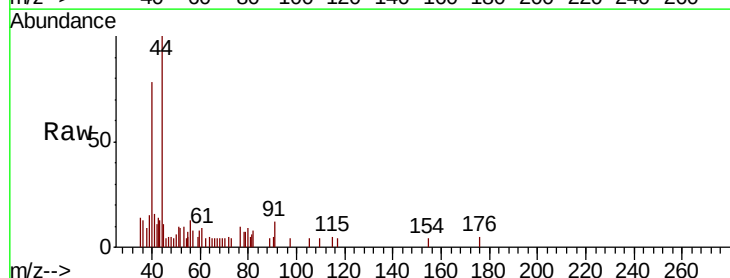
Tot Ion: 59 Resp: 12056
 Ion Ratio Lower Upper
 59 100
 57 1.1 7.7 11.5#

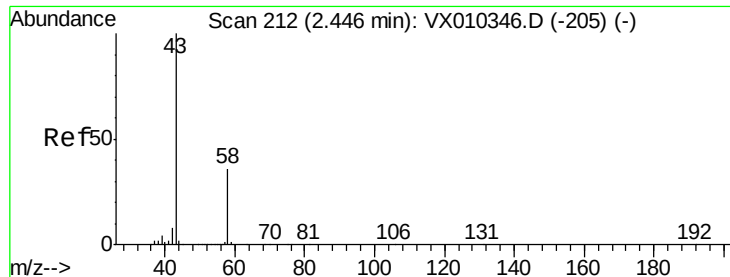


#13

Acrolein
 Concen: 0.489 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010356.D
 Acq: 20 Jun 2019 14:51

Tgt Ion: 56 Resp: 253
 Ion Ratio Lower Upper
 56 100
 55 103.6 56.9 85.3#





#16

Acetone

Concen: 3.825 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

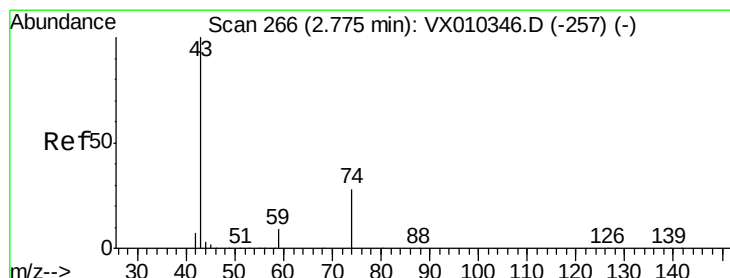
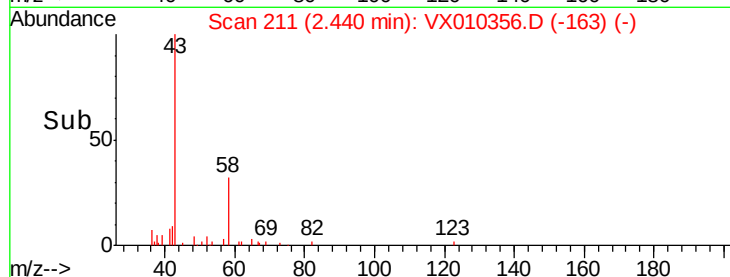
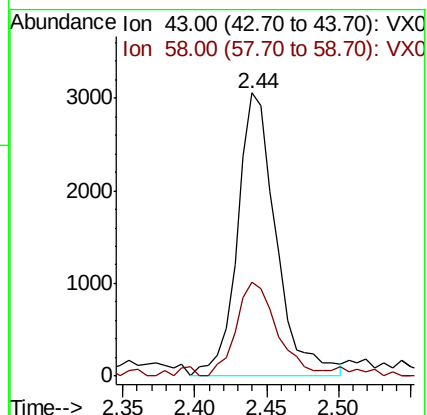
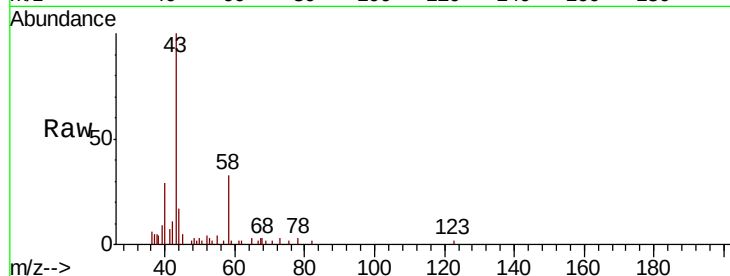
FB-061919-01

Tot Ion: 43 Resp: 5717

Ion Ratio Lower Upper

43 100

58 30.1 28.9 43.3



#18

Methyl Acetate

Concen: 3.038 ug/l

RT: 2.60 min Scan# 238

Delta R.T. -0.17 min

Lab File: VX010356.D

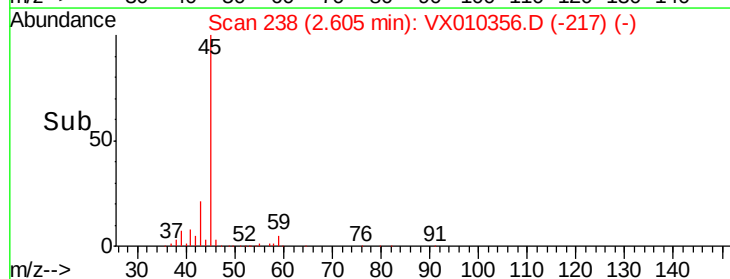
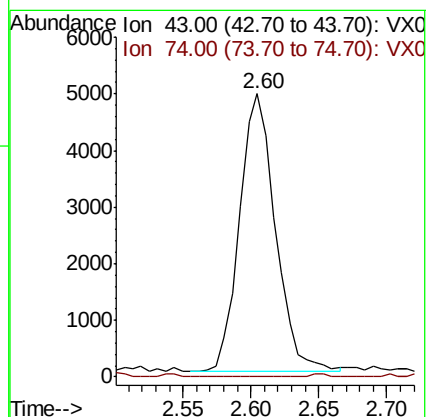
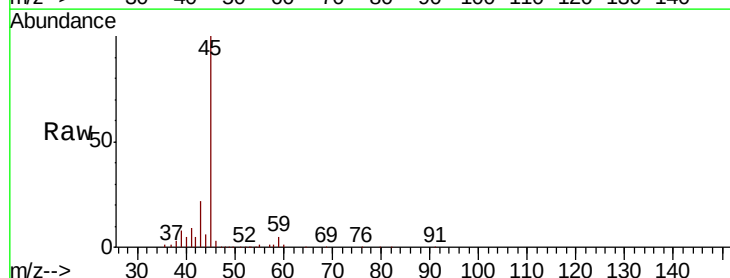
Acq: 20 Jun 2019 14:51

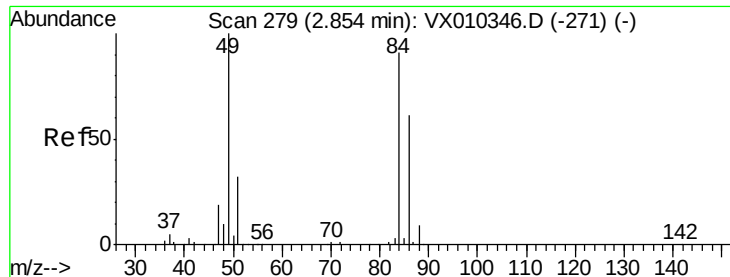
Tgt Ion: 43 Resp: 9050

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#

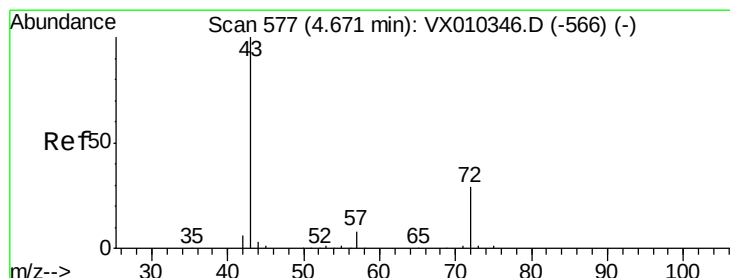
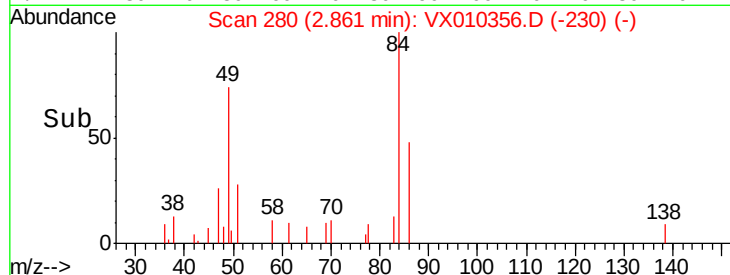
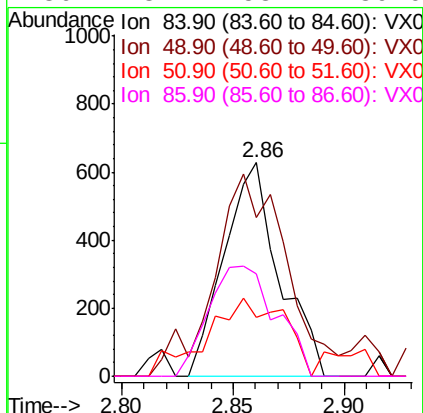
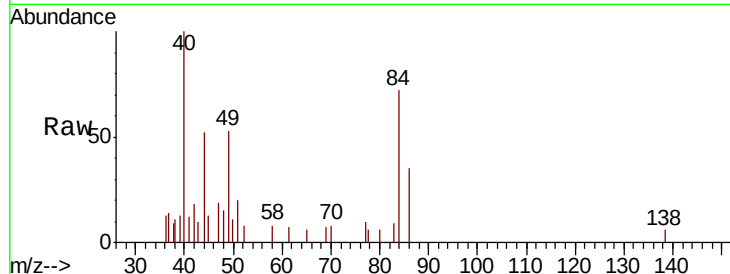




#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

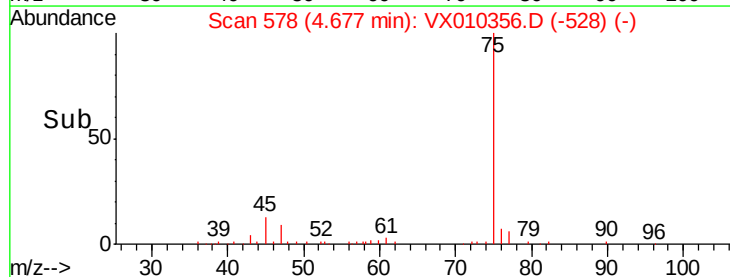
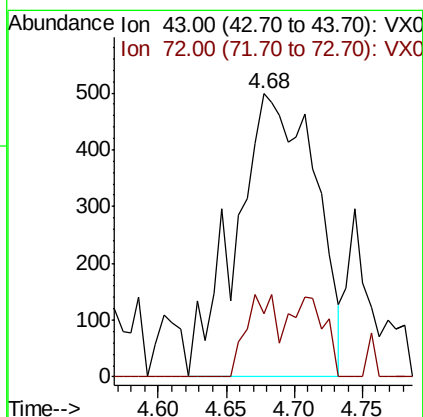
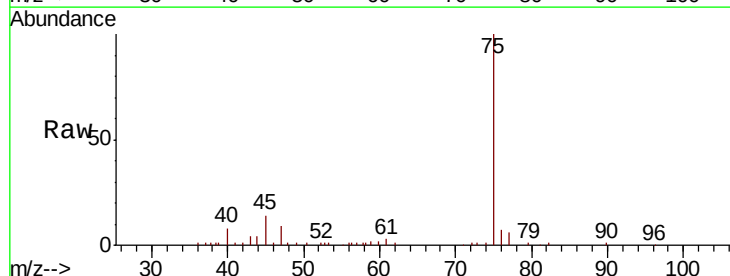
Instrument :
MSVOA_X
ClientSampleId :
FB-061919-01

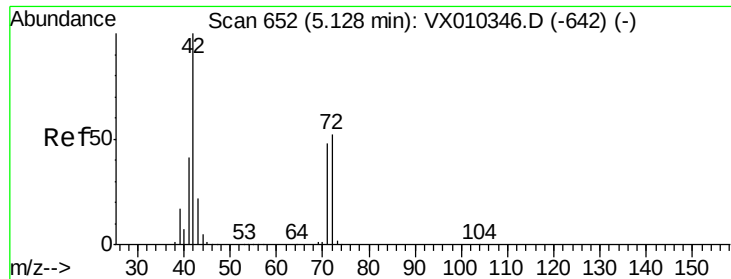
Tot Ion: 84 Resp: 1082
Ion Ratio Lower Upper
84 100
49 65.1 87.5 131.3#
51 18.3 27.7 41.5#
86 48.1 53.4 80.0#



#25
2-Butanone
Concen: 0.927 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

Tgt Ion: 43 Resp: 2033
Ion Ratio Lower Upper
43 100
72 22.5 23.3 34.9#





#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

FB-061919-01

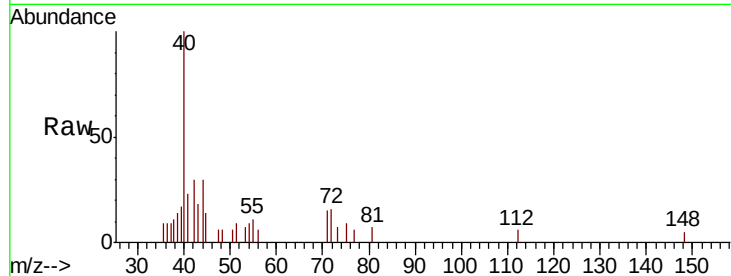
Tot Ion: 42 Resp: 699

Ion Ratio Lower Upper

42 100

72 60.9 40.6 60.8#

71 93.8 37.8 56.8#

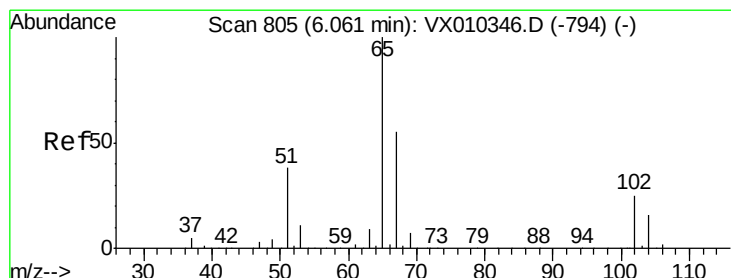
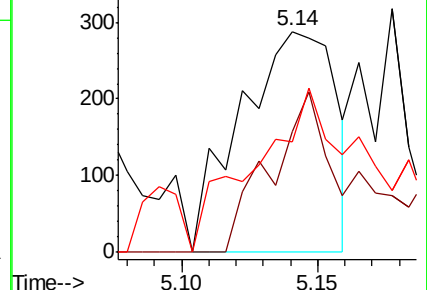
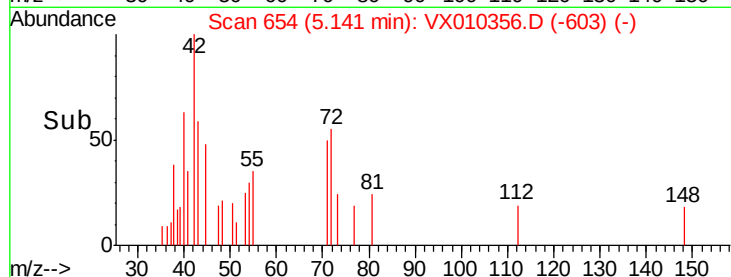


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.654 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010356.D

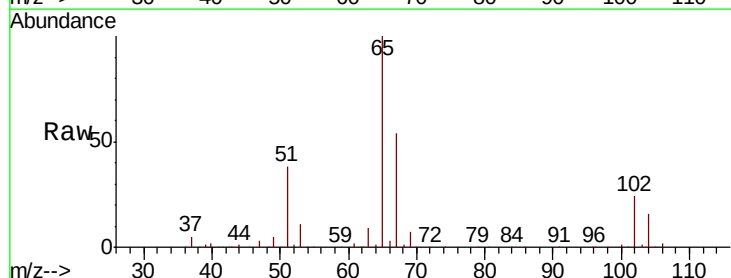
Acq: 20 Jun 2019 14:51

Tgt Ion: 65 Resp: 145091

Ion Ratio Lower Upper

65 100

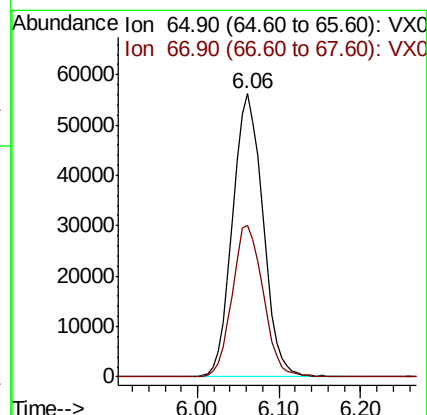
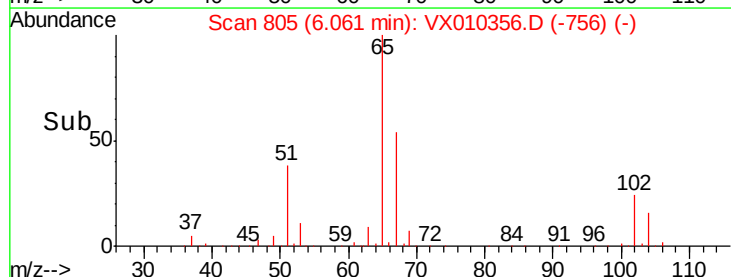
67 54.3 0.0 110.2

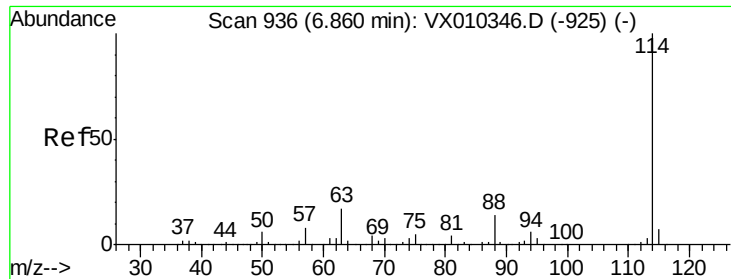


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

Time-->

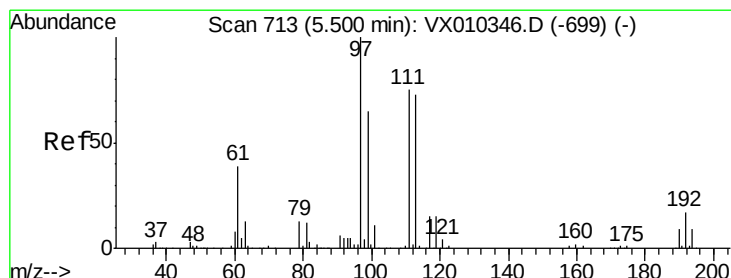
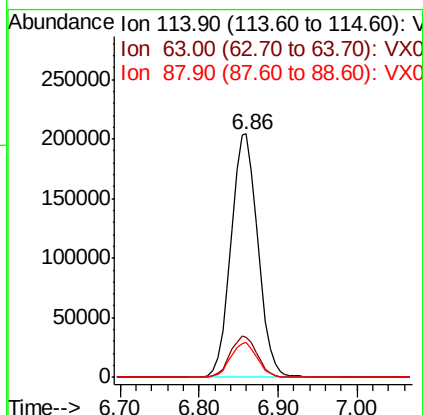
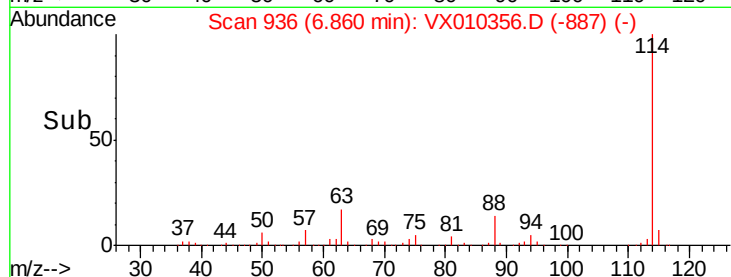
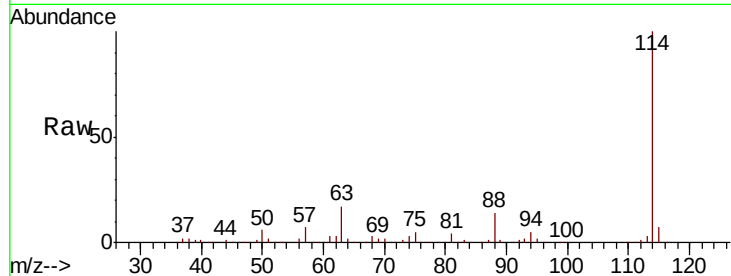




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

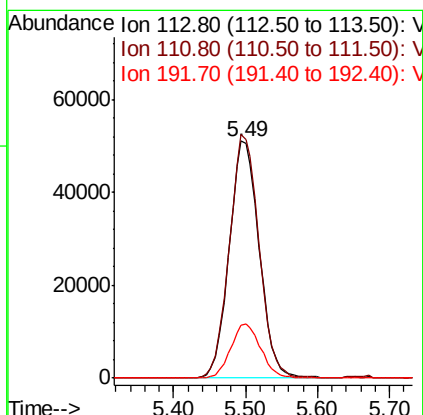
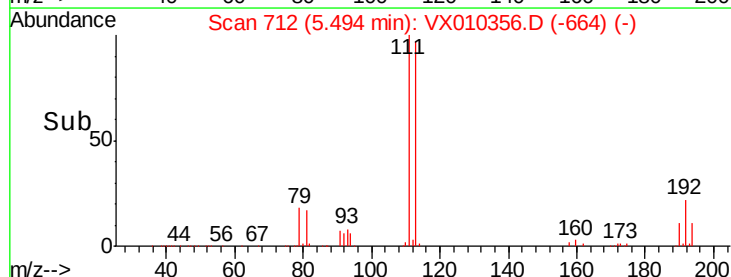
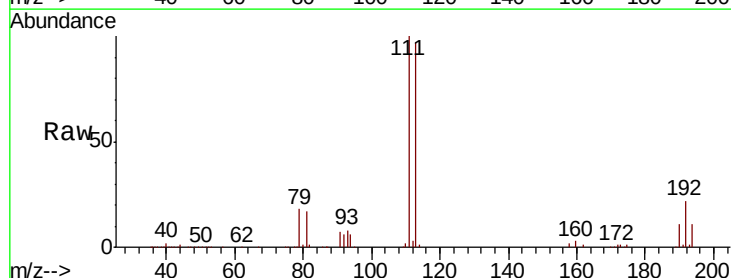
Instrument :
MSVOA_X
ClientSampleId :
FB-061919-01

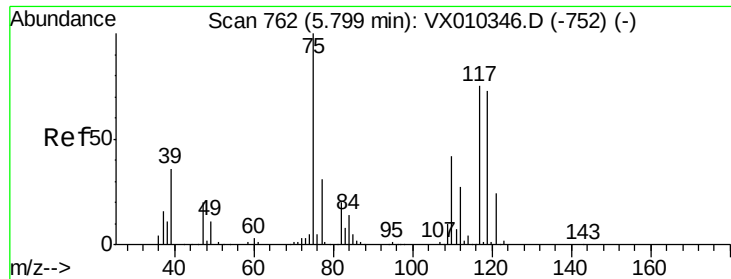
Tot Ion:114 Resp: 484402
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.8
88 14.4 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.922 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

Tgt Ion:113 Resp: 147956
Ion Ratio Lower Upper
113 100
111 101.6 81.2 121.8
192 22.8 18.6 27.8

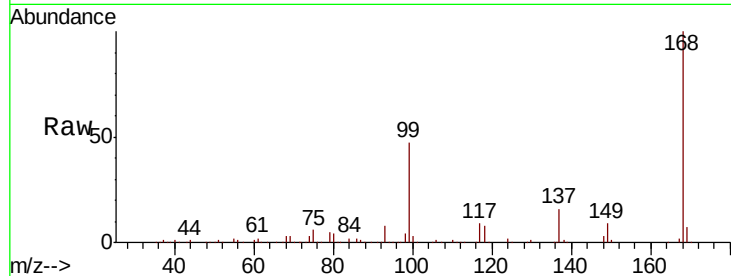




#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010356.D
 Acq: 20 Jun 2019 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-061919-01

Tot Ion	75	Resp	19563
Ion Ratio	100	Lower	Upper
110	10.3	20.8	62.2#
77	0.2	25.4	38.0#

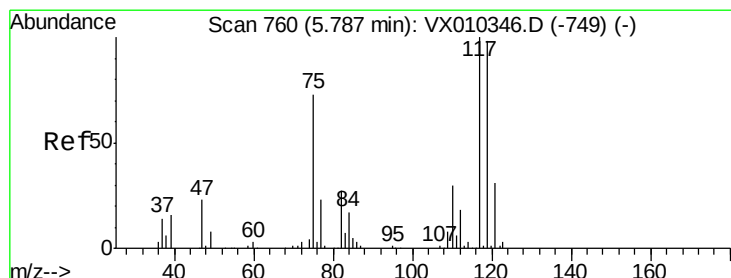
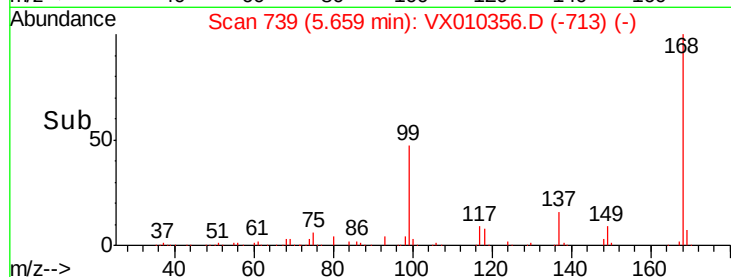
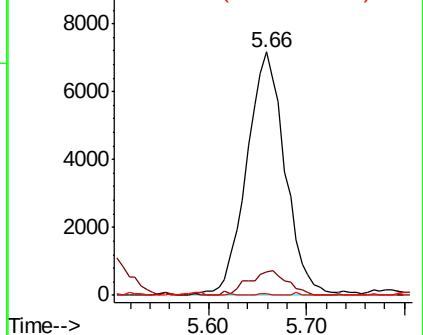


Abundance

Ion 74.90 (74.60 to 75.60): VX0

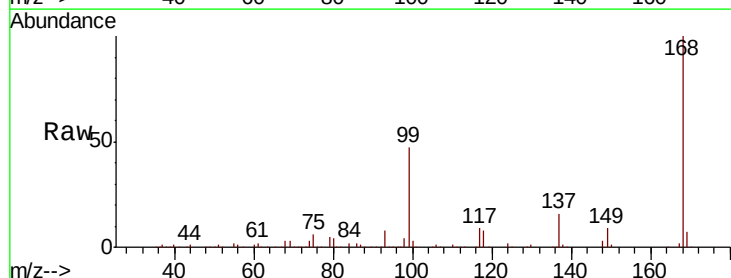
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 6.660 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010356.D
 Acq: 20 Jun 2019 14:51

Tgt Ion	117	Resp	27759
Ion Ratio	100	Lower	Upper
119	4.8	78.2	117.4#
121	0.0	24.7	37.1#

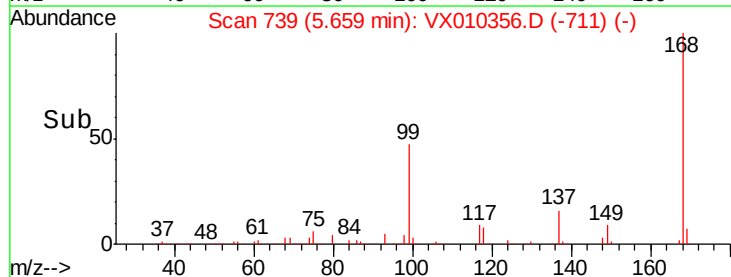
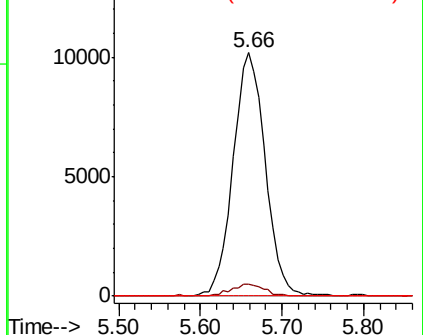


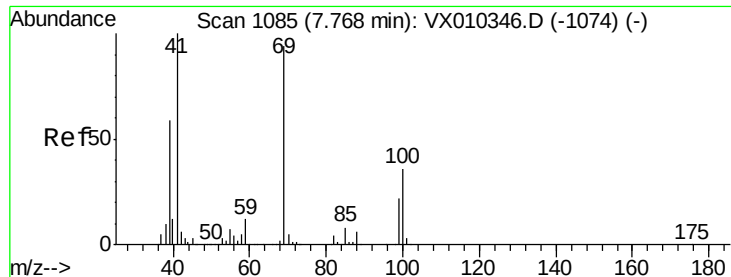
Abundance

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





#48

Methyl methacrylate

Concen: 0.228 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

FB-061919-01

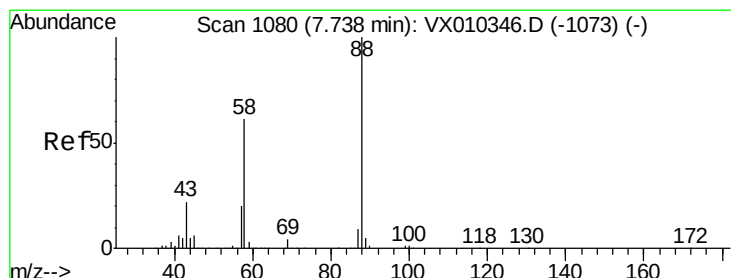
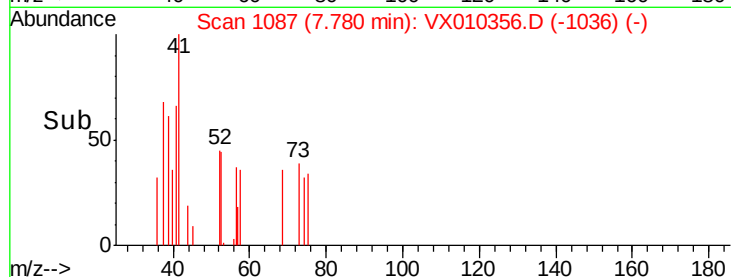
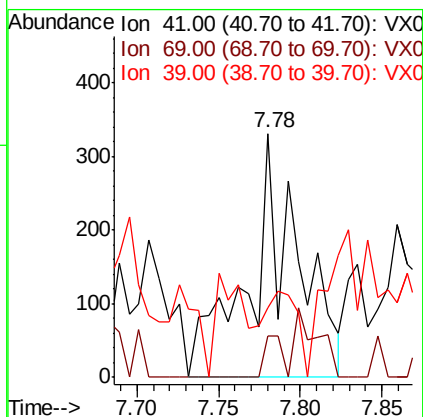
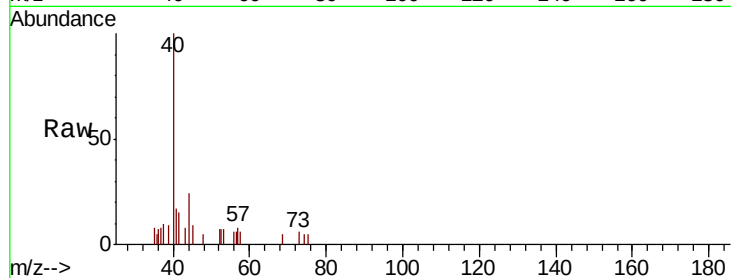
Tot Ion: 41 Resp: 695

Ion Ratio Lower Upper

41 100

69 5.9 76.1 114.1#

39 21.6 47.6 71.4#



#49

1,4-Dioxane

Concen: 0.433 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

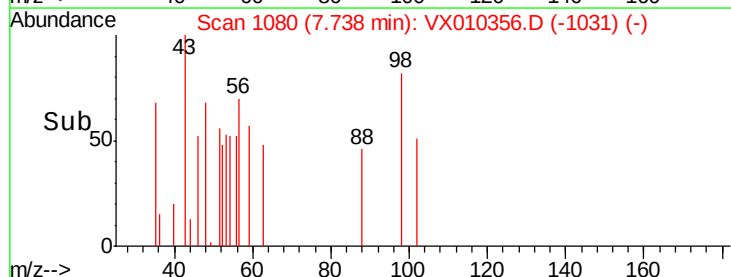
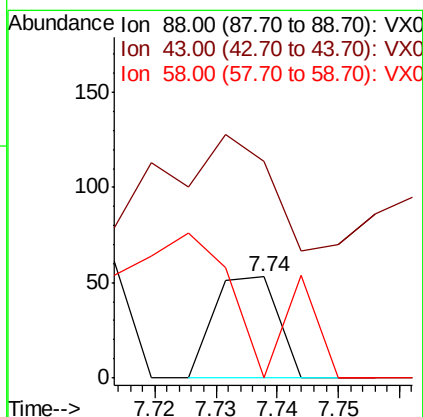
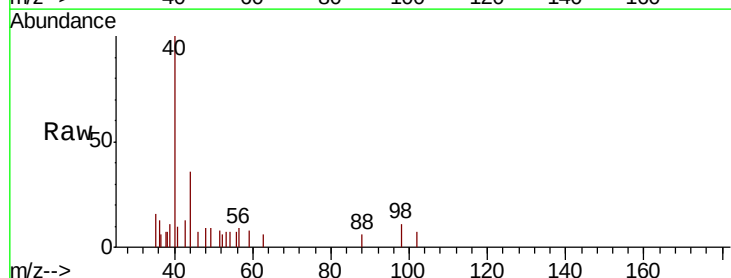
Tgt Ion: 88 Resp: 38

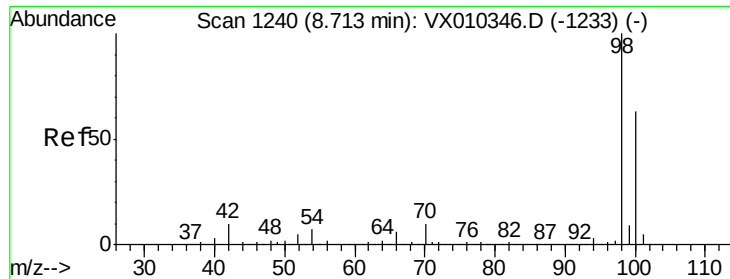
Ion Ratio Lower Upper

88 100

43 281.6 20.2 30.2#

58 347.4 49.5 74.3#

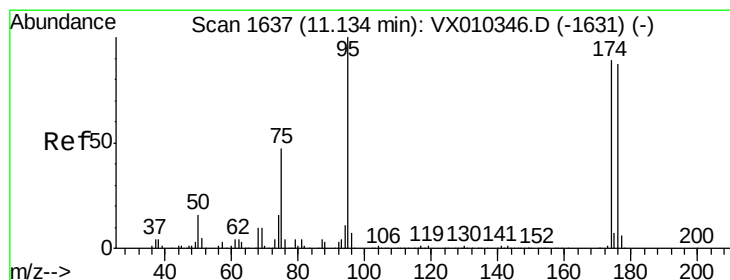
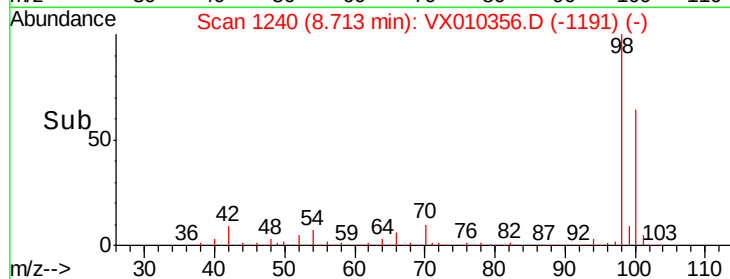
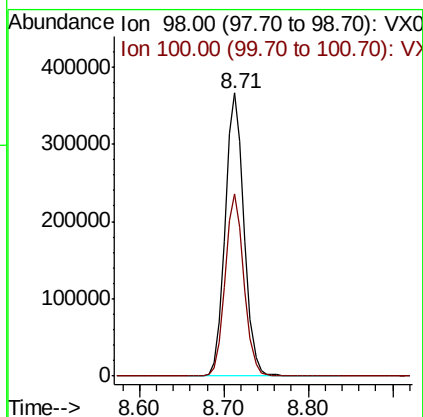
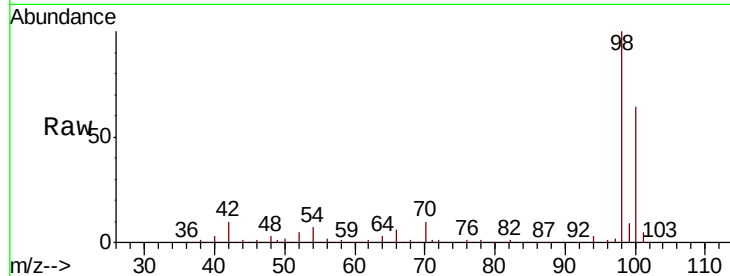




#50
Toluene-d8
Concen: 49.767 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

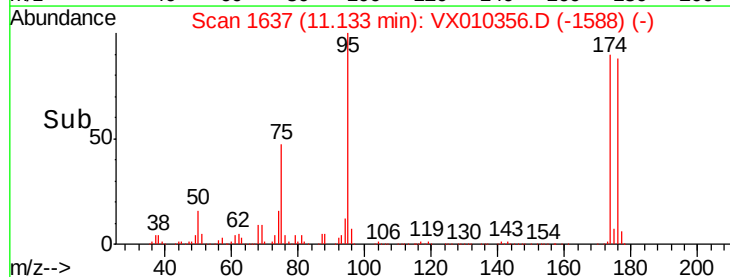
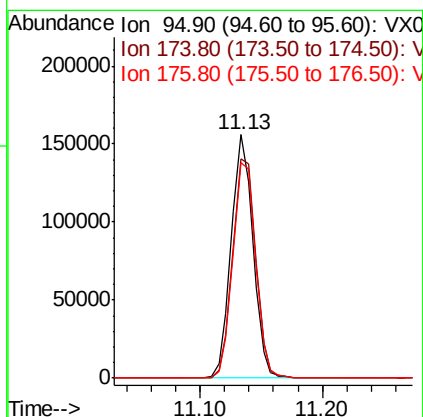
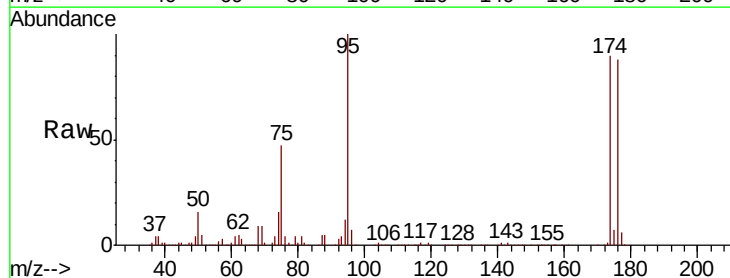
Instrument :
MSVOA_X
ClientSampleId :
FB-061919-01

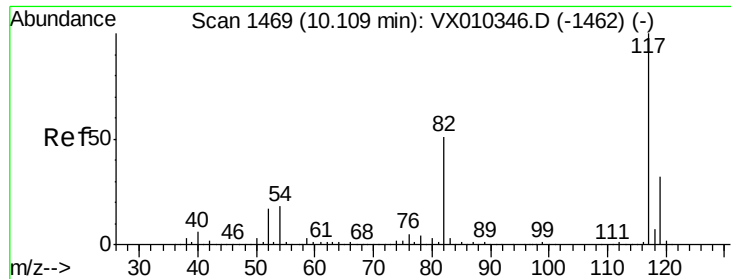
Tot Ion: 98 Resp: 564291
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.582 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

Tgt Ion: 95 Resp: 190689
Ion Ratio Lower Upper
95 100
174 96.1 0.0 187.6
176 92.9 0.0 184.0

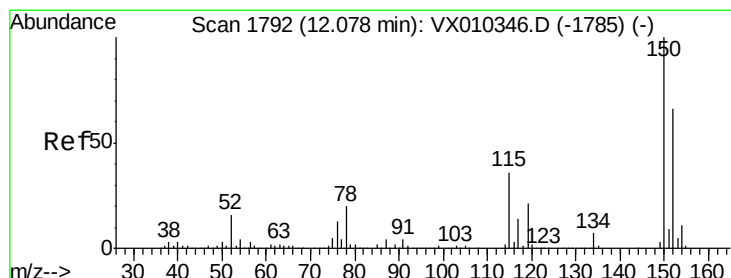
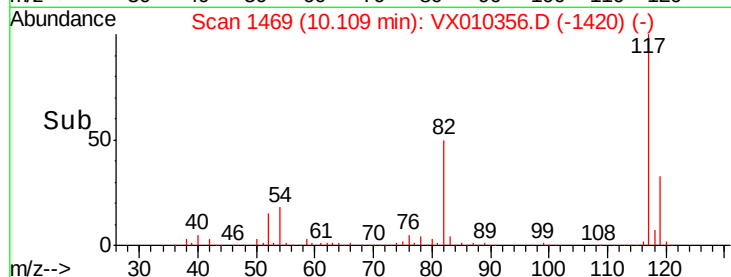
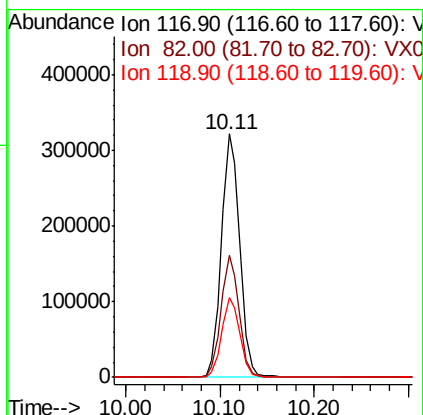
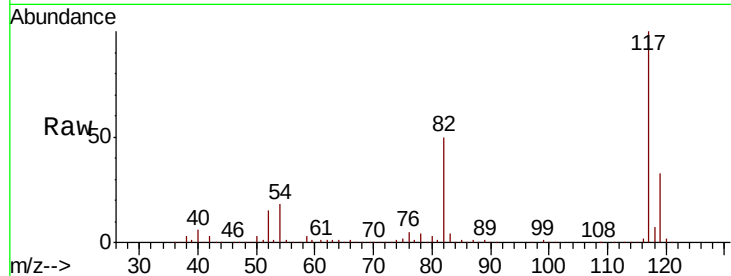




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

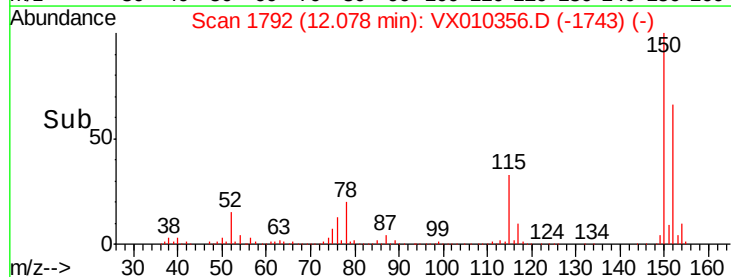
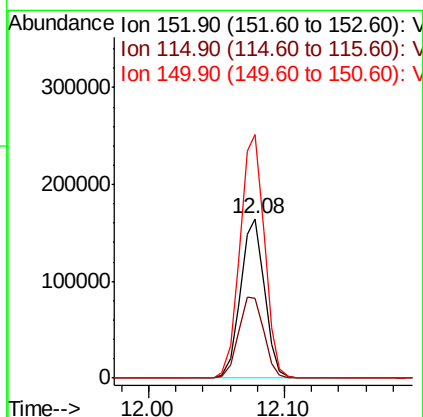
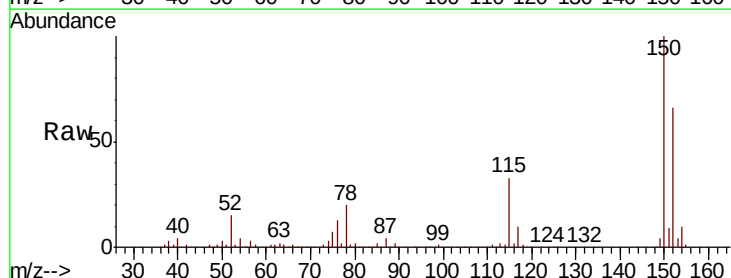
Instrument :
MSVOA_X
ClientSampled :
FB-061919-01

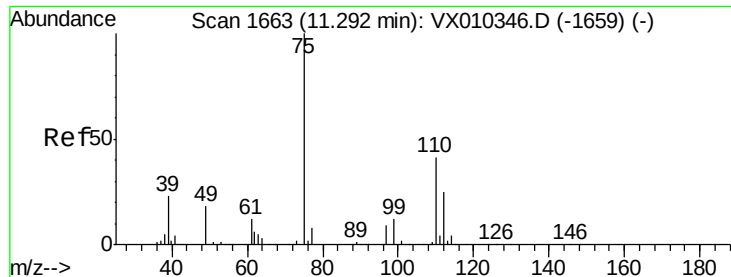
Tot Ion:117 Resp: 433171
Ion Ratio Lower Upper
117 100
82 50.1 41.2 61.8
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010356.D
Acq: 20 Jun 2019 14:51

Tgt Ion:152 Resp: 201989
Ion Ratio Lower Upper
152 100
115 53.5 38.6 115.7
150 156.3 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.091 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

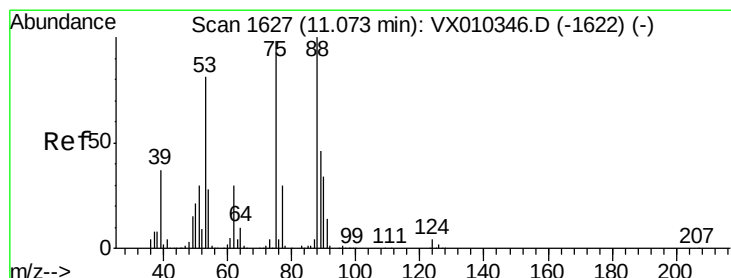
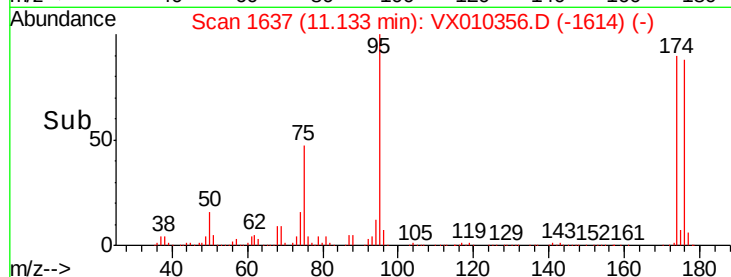
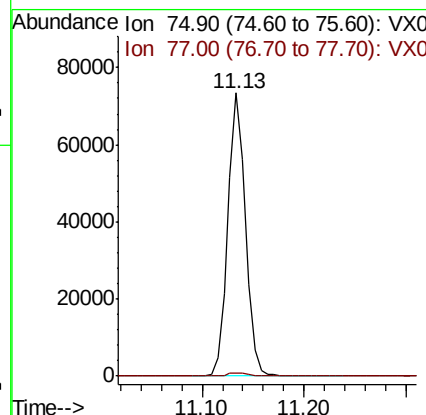
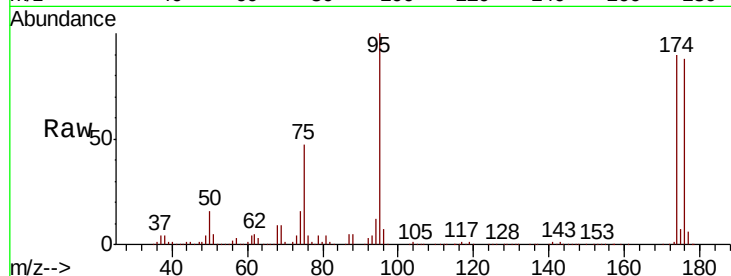
FB-061919-01

Tot Ion: 75 Resp: 88673

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.202 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

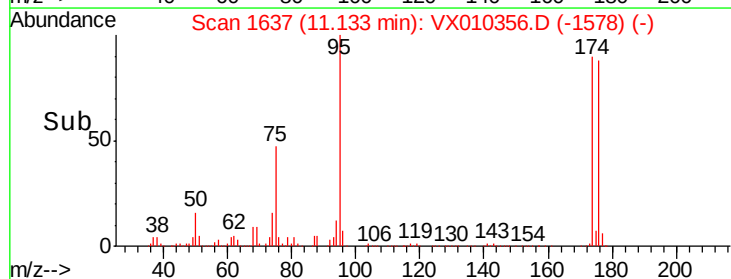
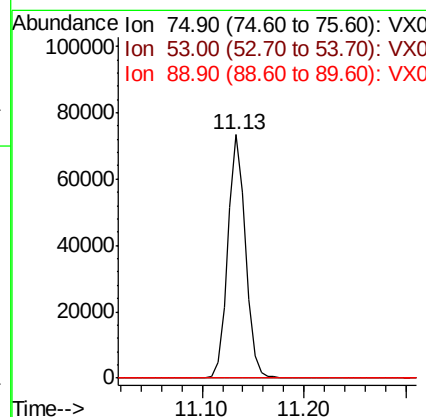
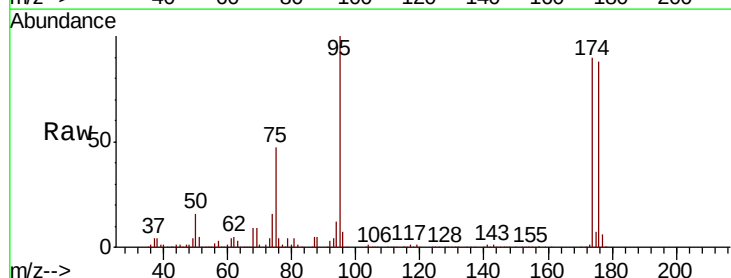
Tgt Ion: 75 Resp: 88673

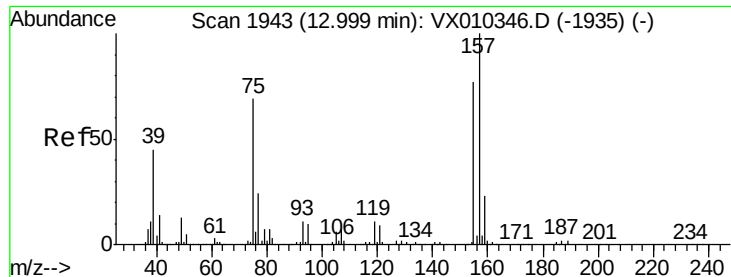
Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.540 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010356.D

Acq: 20 Jun 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

FB-061919-01

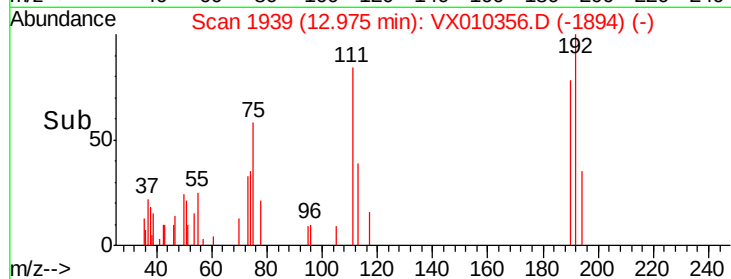
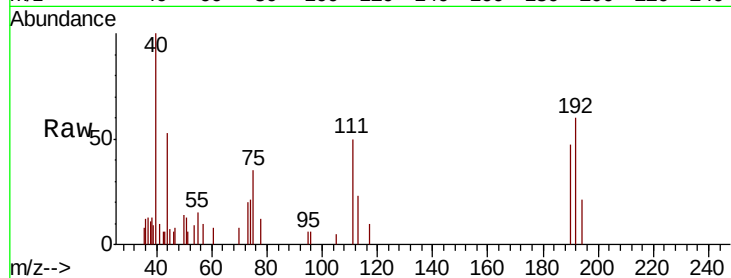
Tot Ion: 75 Resp: 528

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 0.0 69.5 208.3#



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

