

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010615.D
 Acq On : 02 Jul 2019 14:27
 Operator : JC/SP
 Sample : K3638-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-10-070119

Quant Time: Jul 03 01:55:44 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	239172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156206	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	118848	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	5.49	113	112536	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	8.71	98	441686	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	147486	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	

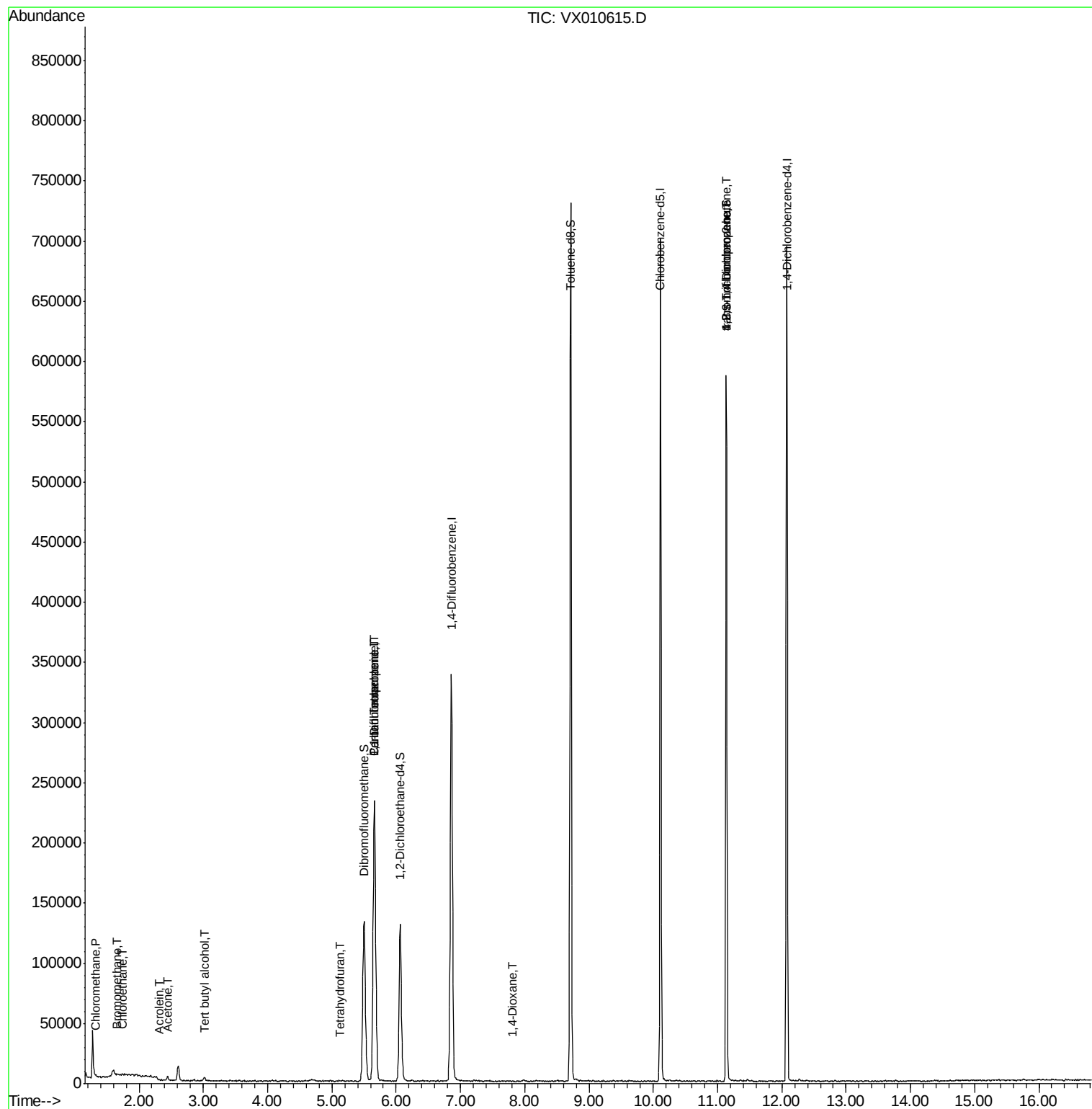
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	541	0.279	ug/l #	73
5) Bromomethane	1.65	94	529	0.512	ug/l #	70
6) Chloroethane	1.74	64	765	0.611	ug/l #	59
11) Tert butyl alcohol	3.02	59	1726	2.941	ug/l #	81
13) Acrolein	2.31	56	192	0.493	ug/l #	14
16) Acetone	2.44	43	3260	2.901	ug/l	100
29) Tetrahydrofuran	5.13	42	213	0.209	ug/l #	61
36) 1,1-Dichloropropene	5.66	75	15048	5.118	ug/l #	47
38) Carbon Tetrachloride	5.66	117	22022	6.916	ug/l #	15
49) 1,4-Dioxane	7.81	88	21	0.313	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71562	25.140	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71562	58.650	ug/l #	16

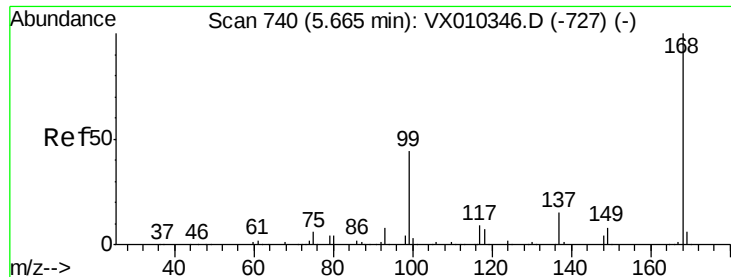
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

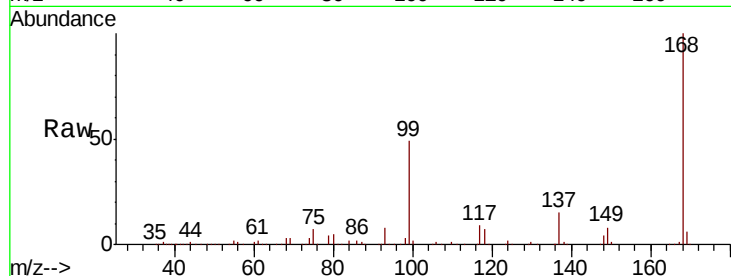
MWHR2-10-070119

Tot Ion:168 Resp: 239172

Ion Ratio Lower Upper

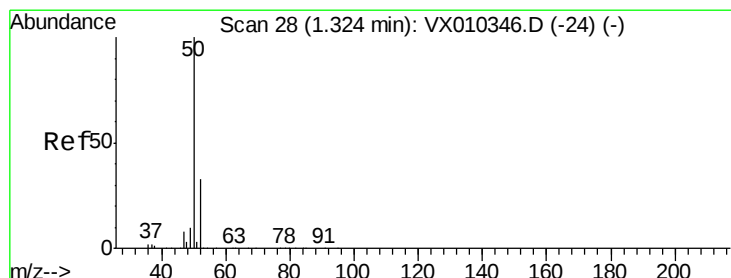
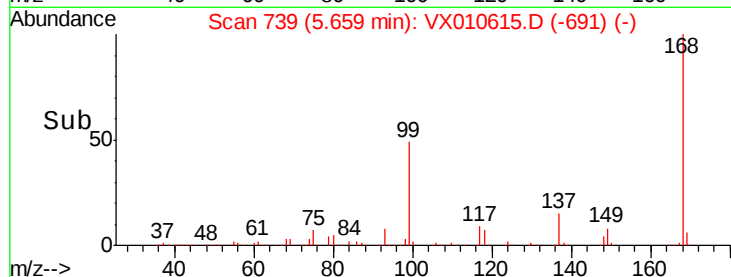
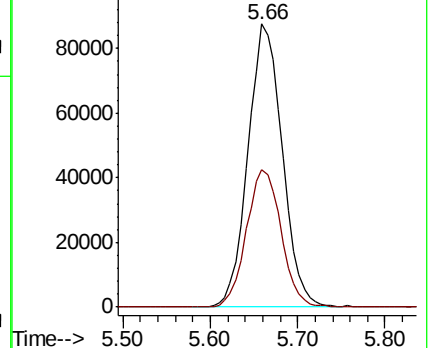
168 100

99 48.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010615.D

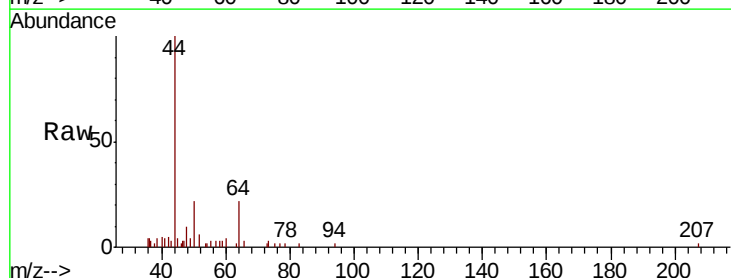
Acq: 02 Jul 2019 14:27

Tgt Ion: 50 Resp: 541

Ion Ratio Lower Upper

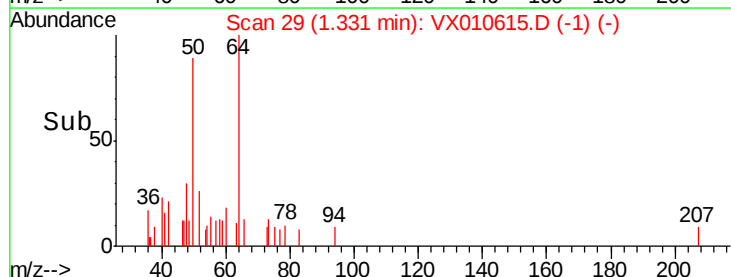
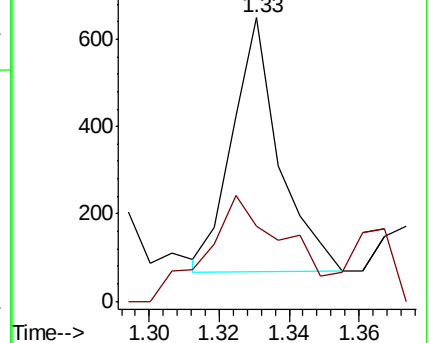
50 100

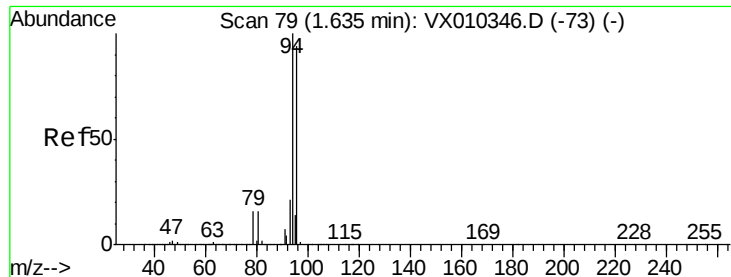
52 18.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.512 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

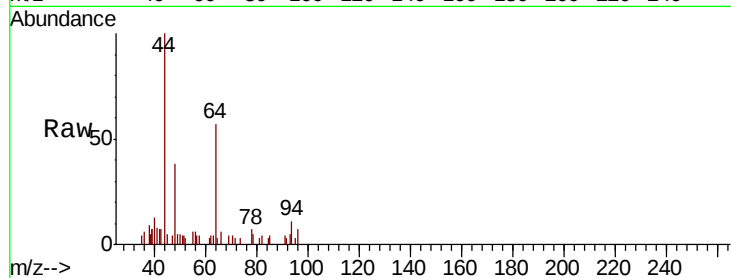
MWHR2-10-070119

Tot Ion: 94 Resp: 529

Ion Ratio Lower Upper

94 100

96 65.6 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

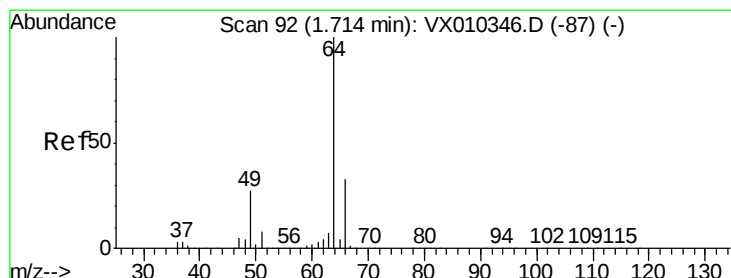
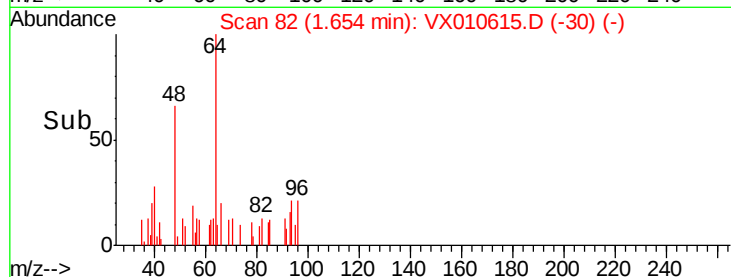
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.611 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX010615.D

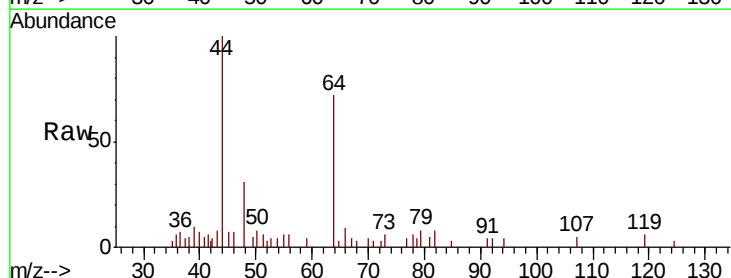
Acq: 02 Jul 2019 14:27

Tgt Ion: 64 Resp: 765

Ion Ratio Lower Upper

64 100

66 10.2 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

1500

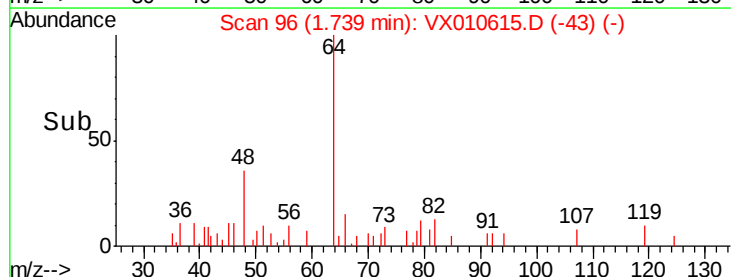
1000

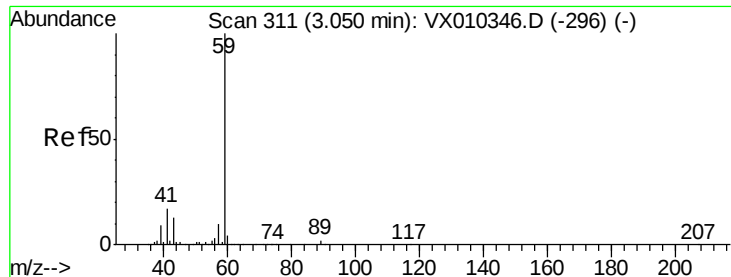
500

0

1.70 1.72 1.74 1.76

Time-->



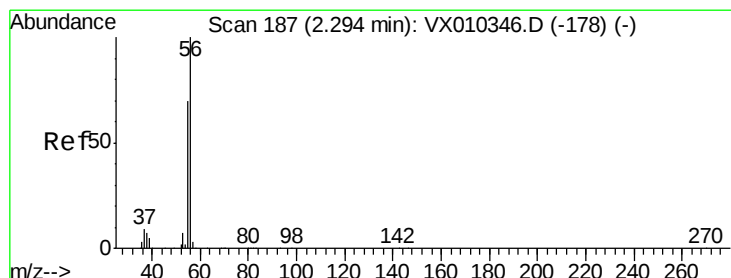
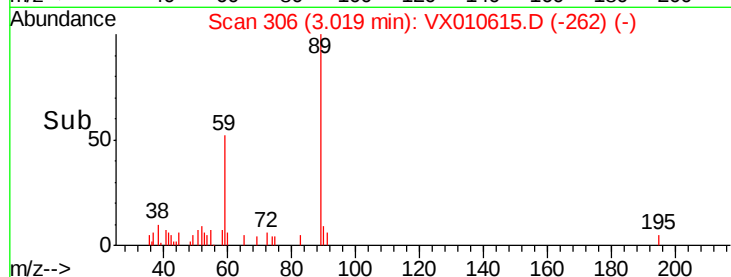
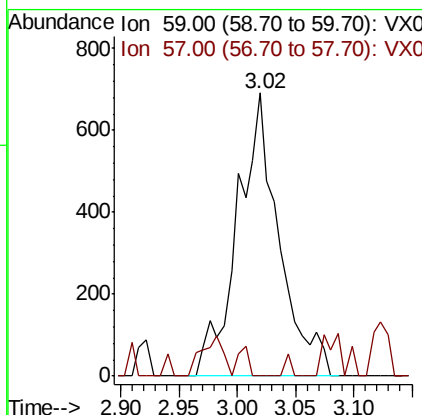
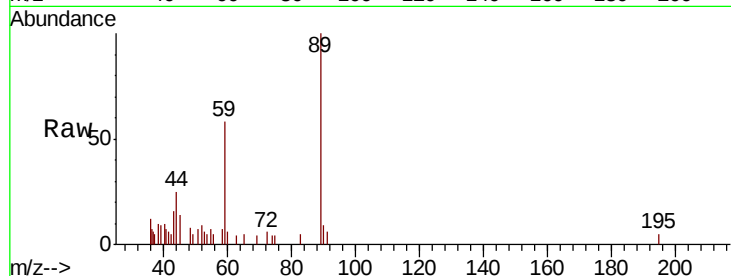


#11

Tert butyl alcohol
 Concen: 2.941 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010615.D
 Acq: 02 Jul 2019 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-10-070119

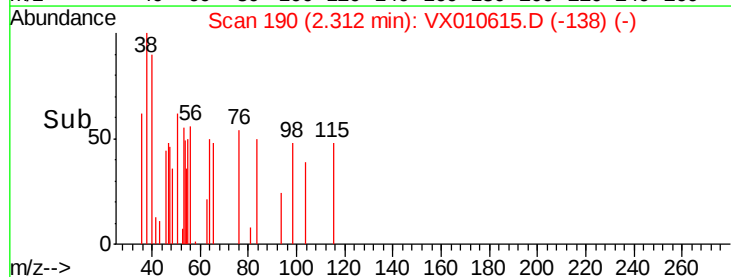
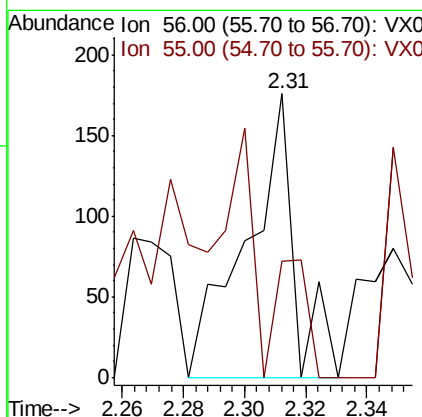
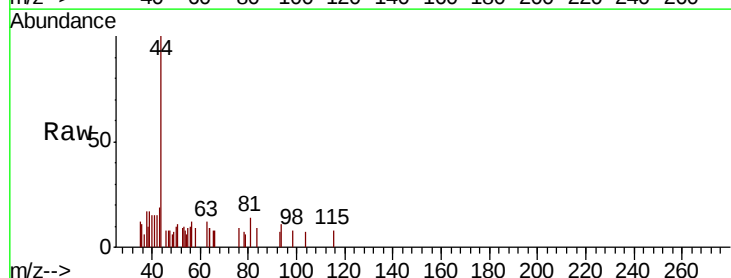
Tot Ion: 59 Resp: 1726
 Ion Ratio Lower Upper
 59 100
 57 2.7 7.7 11.5#

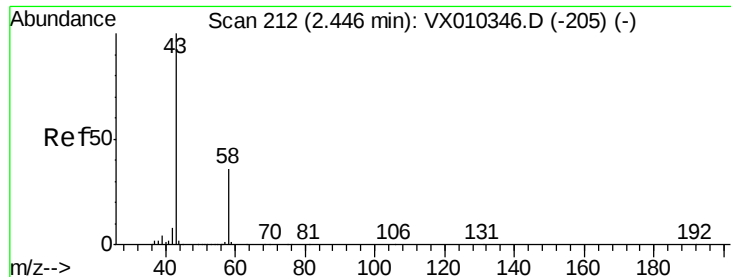


#13

Acrolein
 Concen: 0.493 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VX010615.D
 Acq: 02 Jul 2019 14:27

Tgt Ion: 56 Resp: 192
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 2.901 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

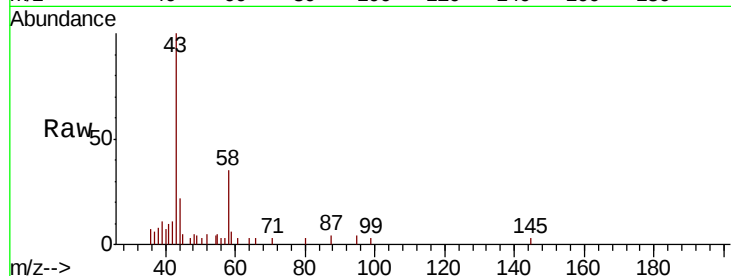
MWHR2-10-070119

Tot Ion: 43 Resp: 3260

Ion Ratio Lower Upper

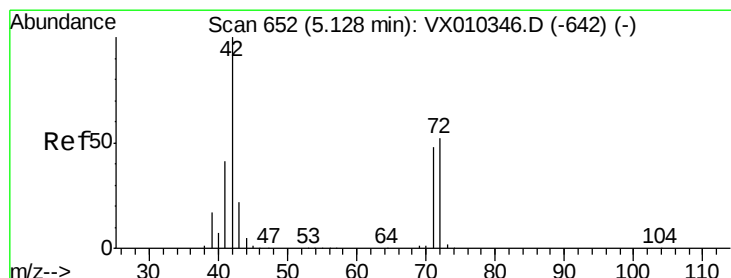
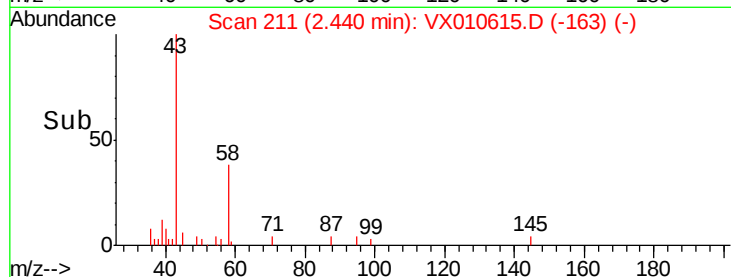
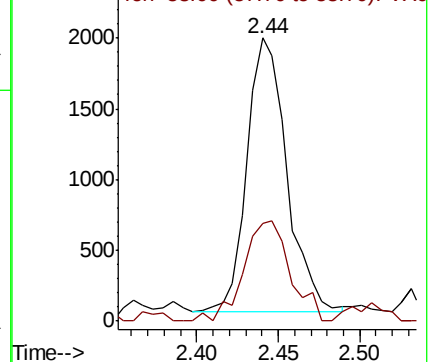
43 100

58 35.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

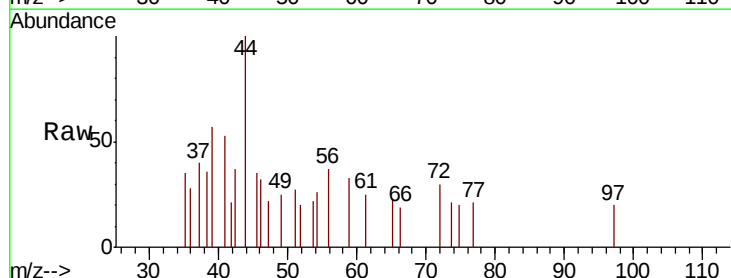
Tgt Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

72 44.6 40.6 60.8

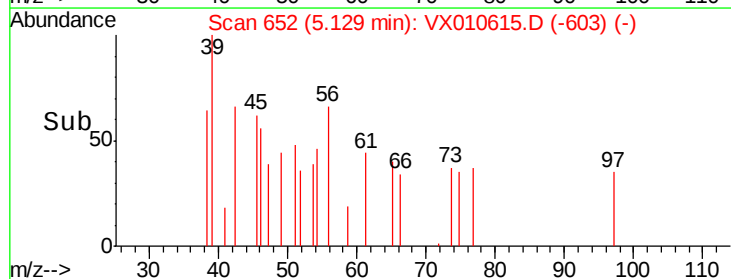
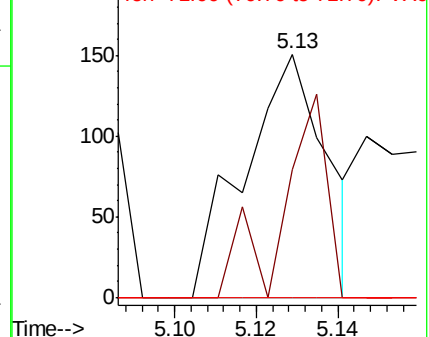
71 0.0 37.8 56.8#

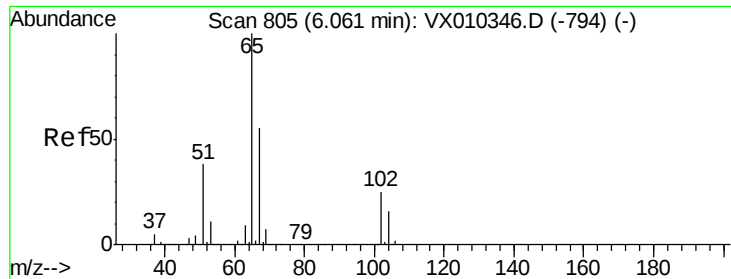


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.999 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

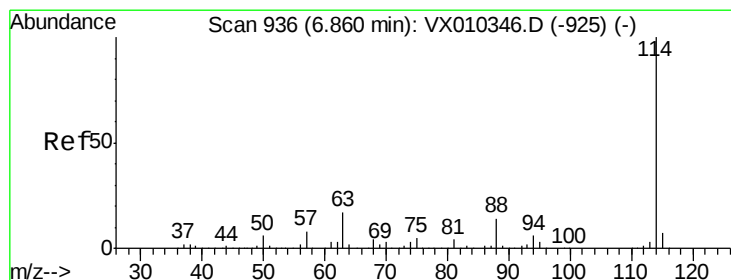
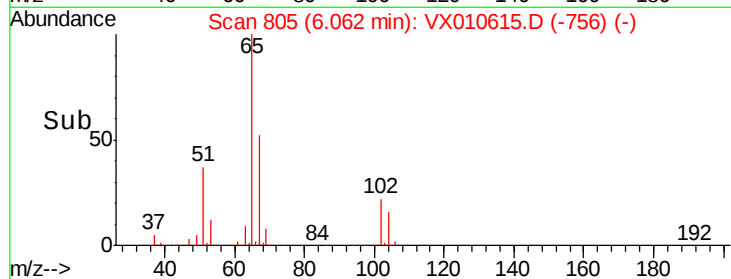
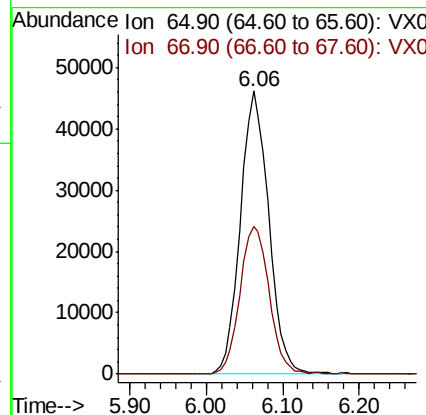
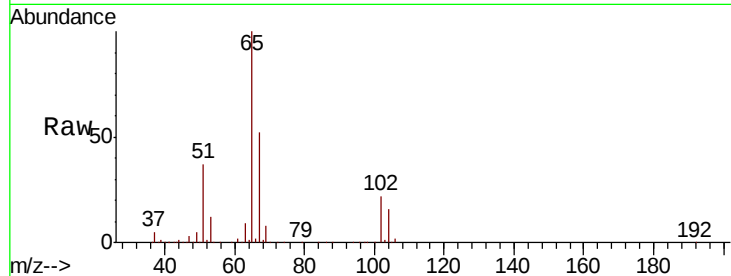
MWHR2-10-070119

Tot Ion: 65 Resp: 118848

Ion Ratio Lower Upper

65 100

67 53.7 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: VX010615.D

Acq: 02 Jul 2019 14:27

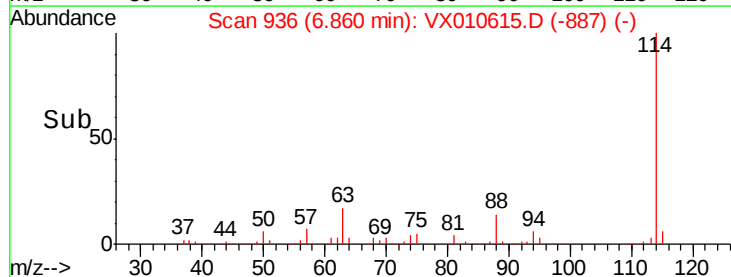
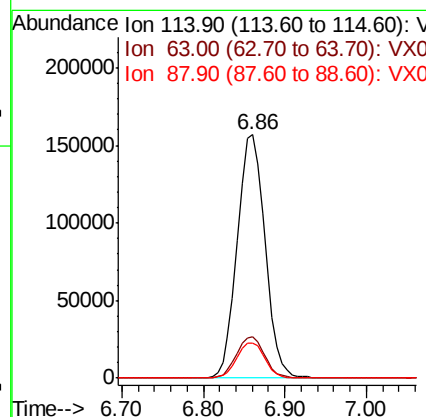
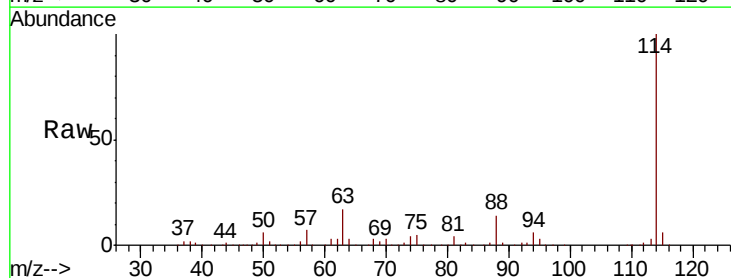
Tgt Ion: 114 Resp: 370027

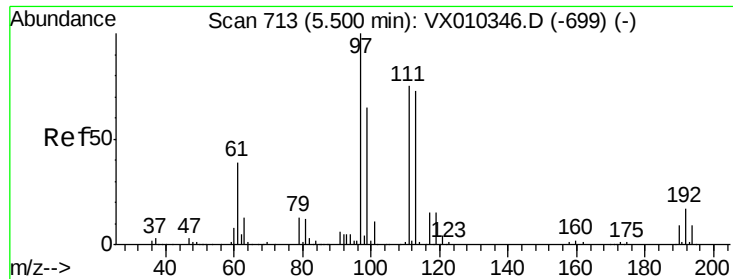
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.8

88 14.4 0.0 27.6

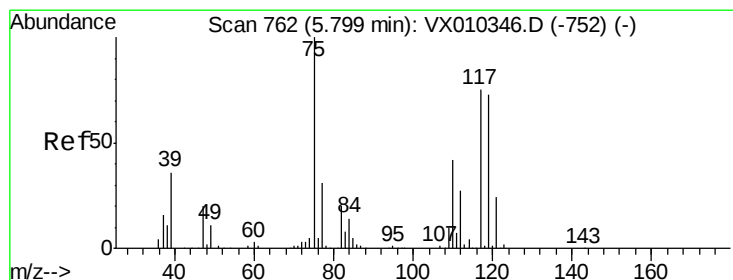
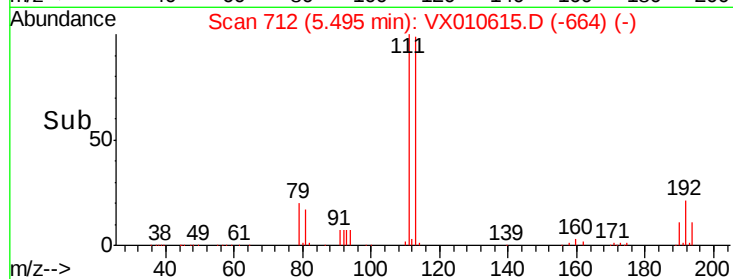
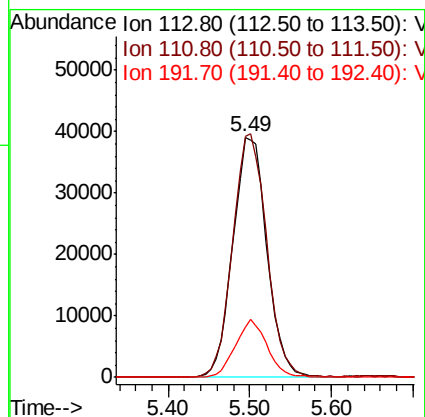
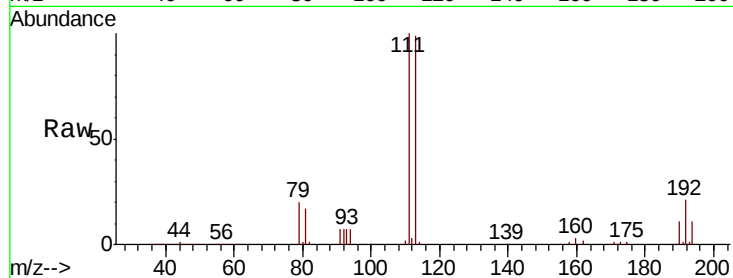




#35
Dibromofluoromethane
Concen: 49.708 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010615.D
Acq: 02 Jul 2019 14:27

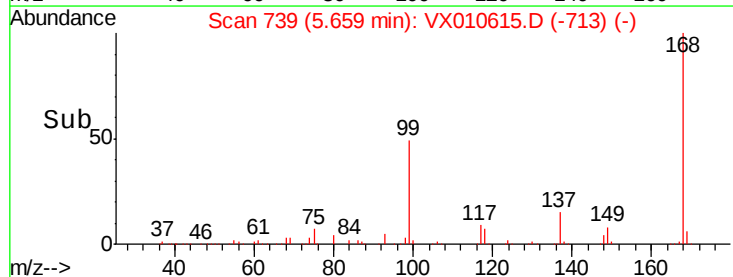
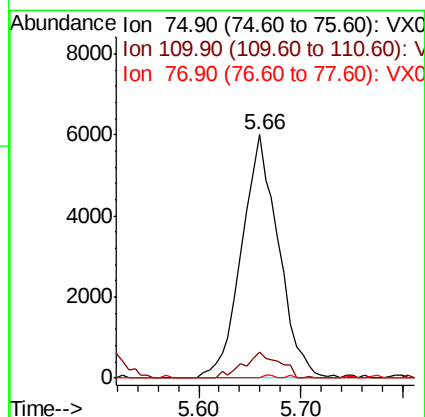
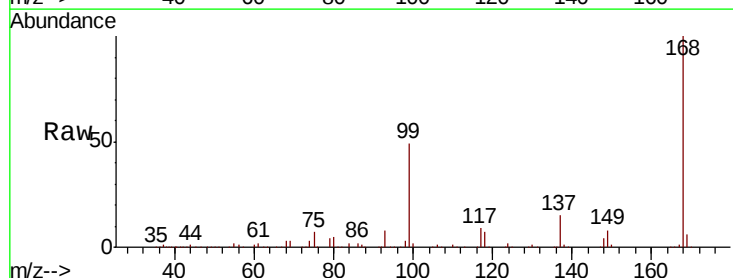
Instrument :
MSVOA_X
ClientSampleId :
MWHHR2-10-070119

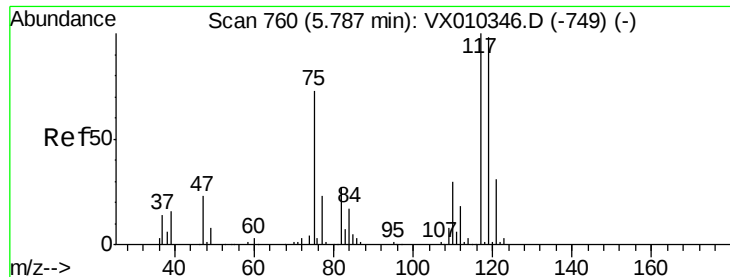
Tot Ion:113 Resp: 112536
Ion Ratio Lower Upper
113 100
111 101.7 81.2 121.8
192 22.4 18.6 27.8



#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010615.D
Acq: 02 Jul 2019 14:27

Tgt Ion: 75 Resp: 15048
Ion Ratio Lower Upper
75 100
110 10.3 20.8 62.2#
77 0.3 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.916 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-10-070119

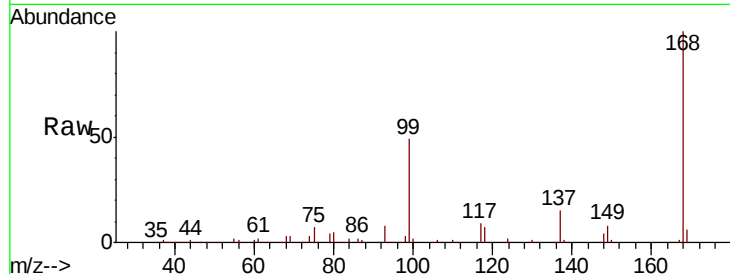
Tot Ion:117 Resp: 22022

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.4#

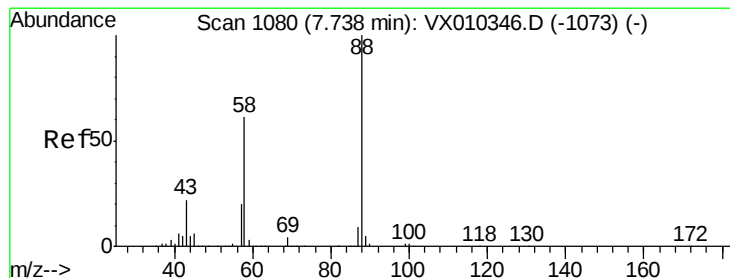
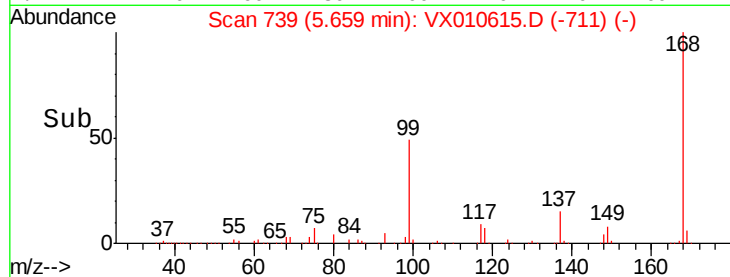
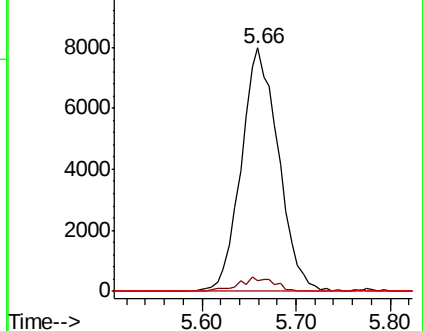
121 0.0 24.7 37.1#



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: 0.313 ug/l

RT: 7.81 min Scan# 1092

Delta R.T. 0.07 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

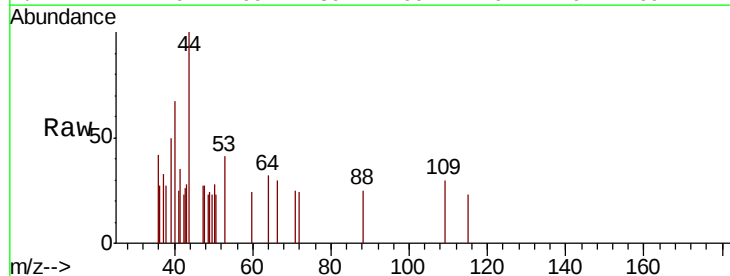
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 842.9 20.2 30.2#

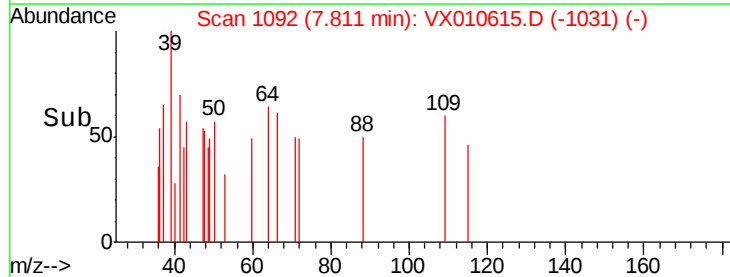
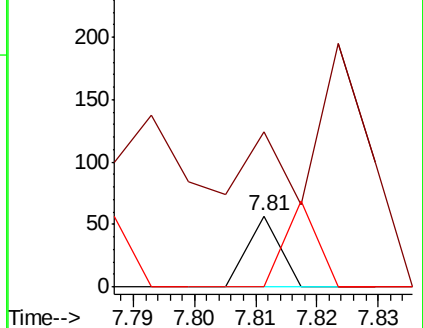
58 119.0 49.5 74.3#

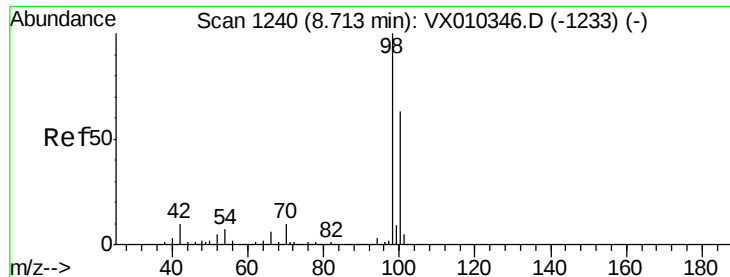


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.994 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

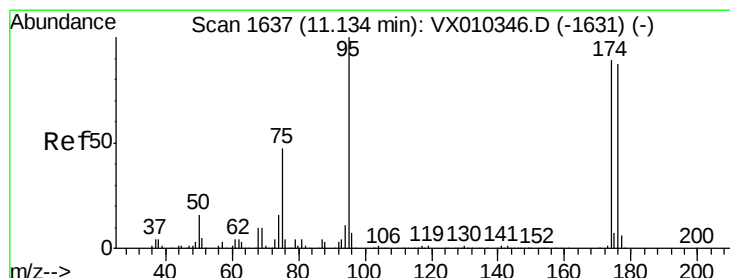
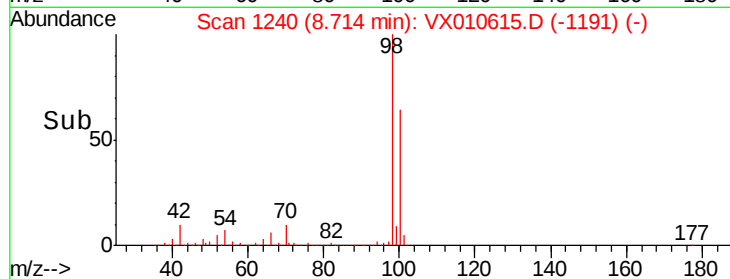
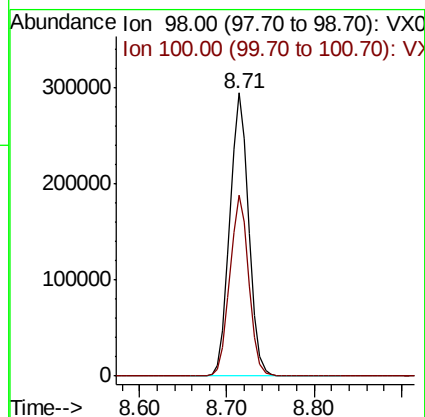
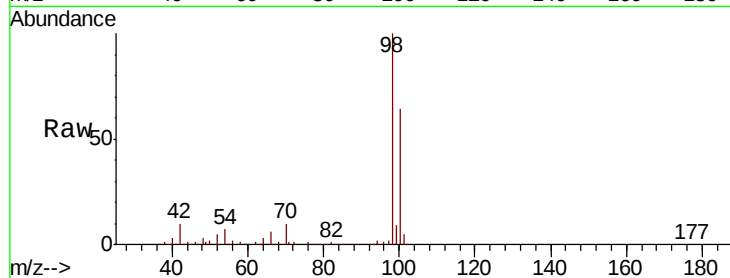
MWHR2-10-070119

Tot Ion: 98 Resp: 441686

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010615.D

Acq: 02 Jul 2019 14:27

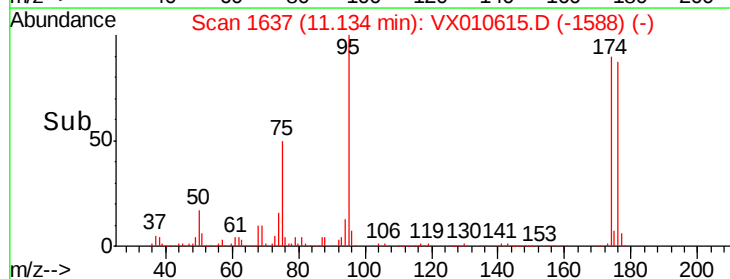
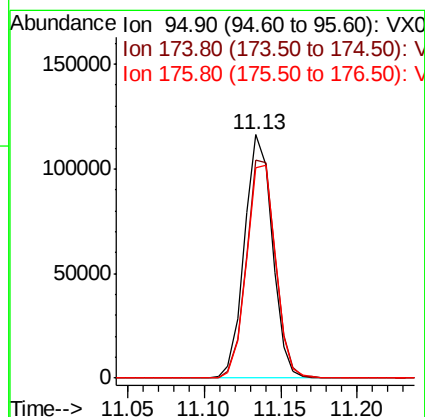
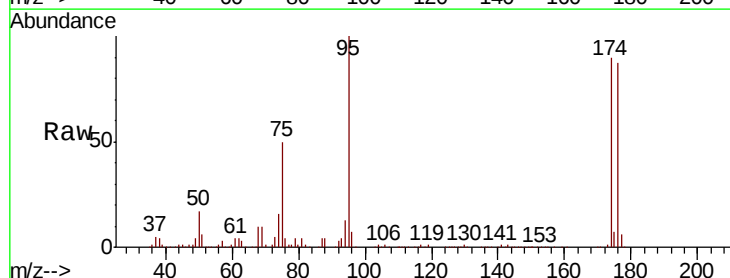
Tgt Ion: 95 Resp: 147486

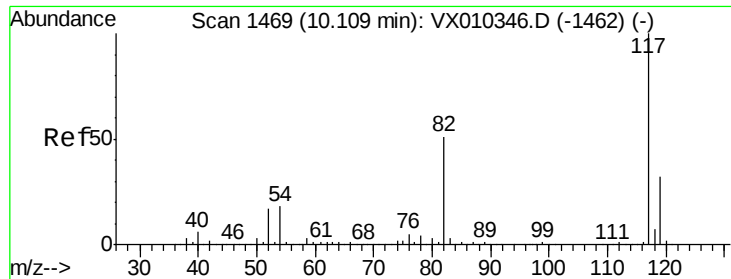
Ion Ratio Lower Upper

95 100

174 93.1 0.0 187.6

176 91.4 0.0 184.0

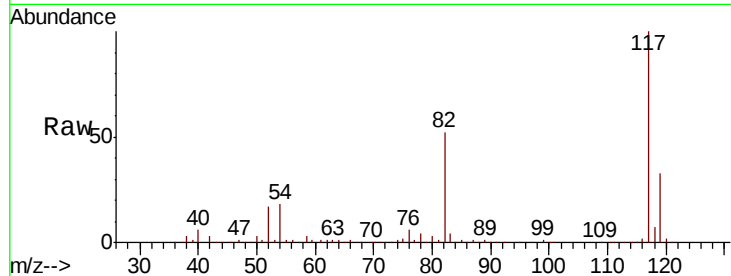




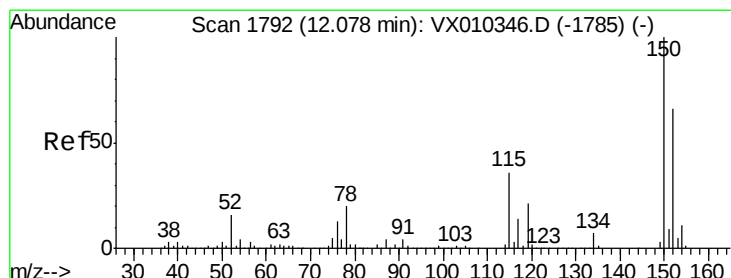
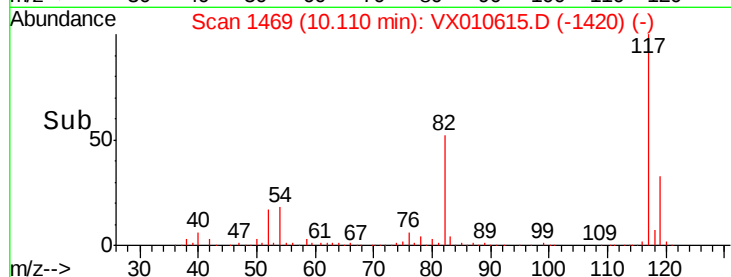
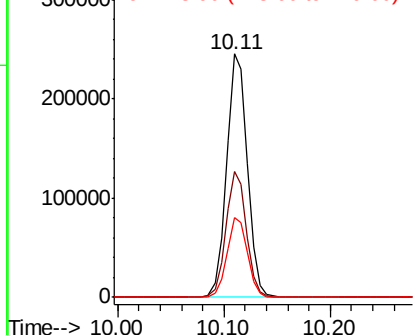
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010615.D
Acq: 02 Jul 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-10-070119

Tot Ion:117 Resp: 334744
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 32.9 25.5 38.3

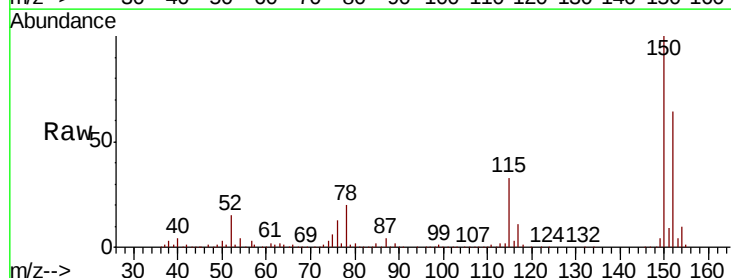


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

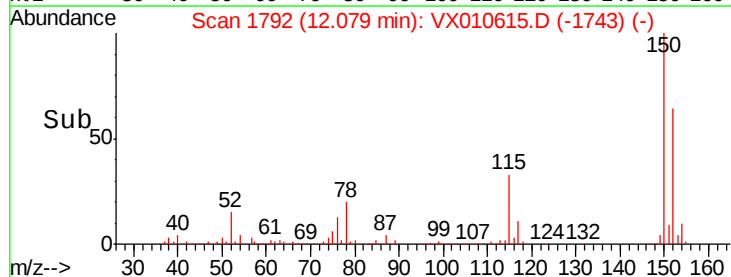
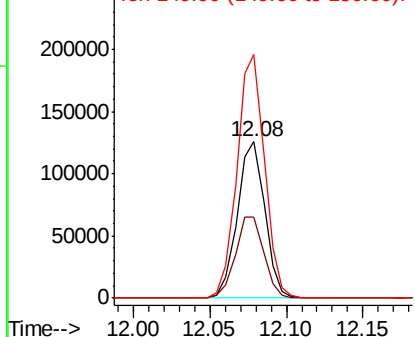


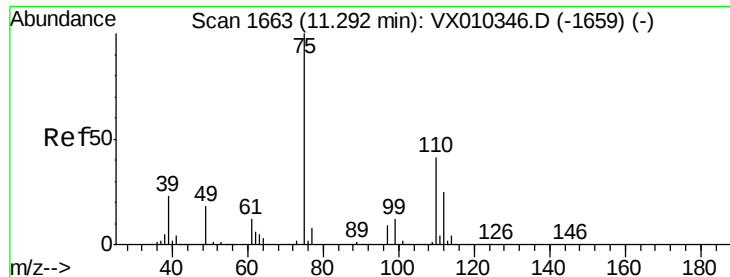
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010615.D
Acq: 02 Jul 2019 14:27

Tgt Ion:152 Resp: 156206
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 156.1 0.0 347.4



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

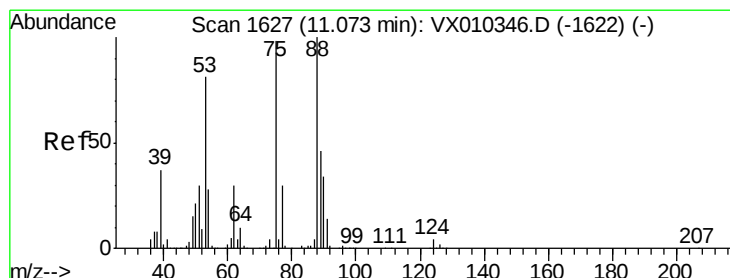
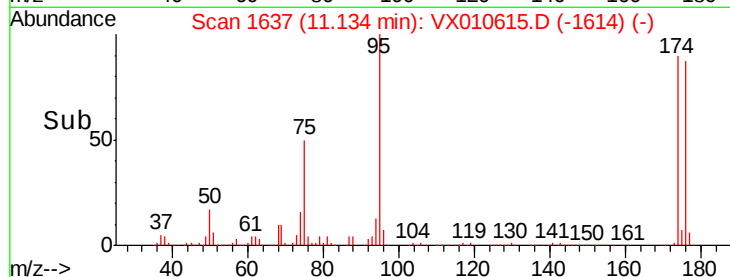
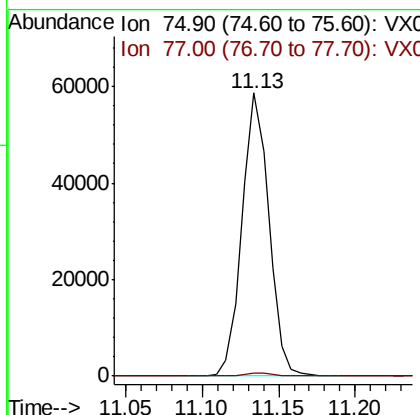
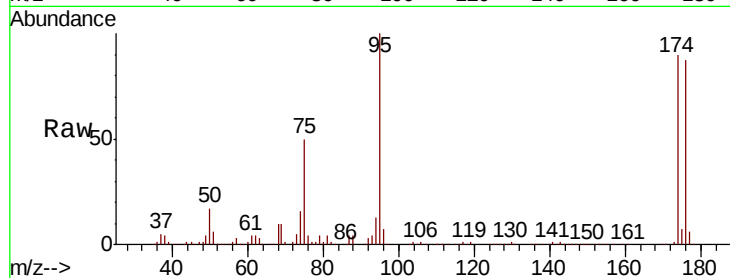




#76
 1,2,3-Trichloropropane
 Concen: 25.140 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010615.D
 Acq: 02 Jul 2019 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-10-070119

Tot Ion: 75 Resp: 71562
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.650 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010615.D
 Acq: 02 Jul 2019 14:27

Tgt Ion: 75 Resp: 71562
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.0 37.8 56.6#

