

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010654.D
 Acq On : 03 Jul 2019 20:42
 Operator : JC/SP
 Sample : K3666-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR3-14-070219

Quant Time: Jul 04 03:39:32 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	5.67	168	226717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147959	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	114384	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
35) Dibromofluoromethane	5.50	113	108117	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	8.71	98	418908	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.13	95	140881	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

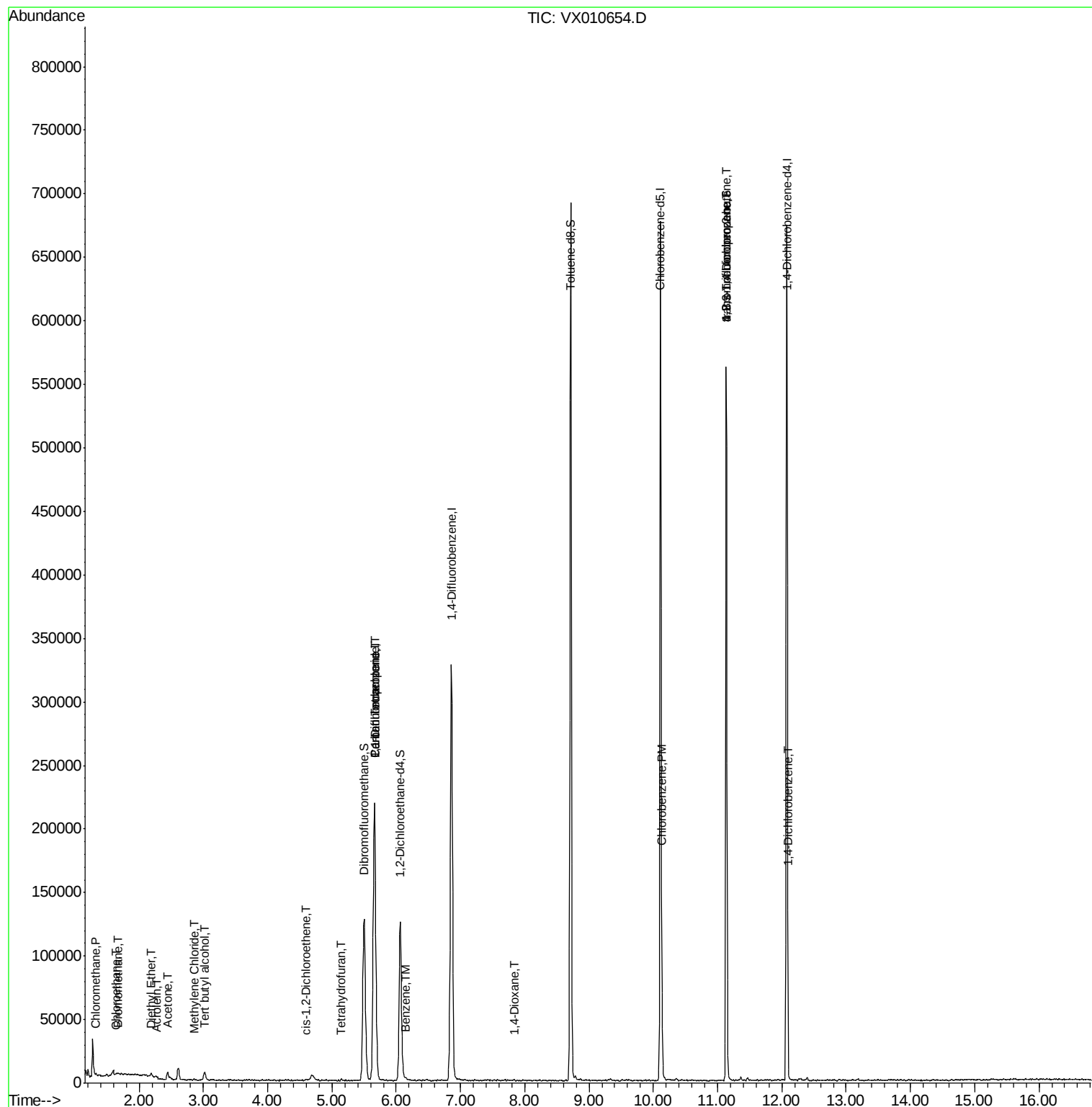
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	935	0.509	ug/l #	86
5) Bromomethane	1.67	94	540	0.551	ug/l	95
6) Chloroethane	1.64	64	327	0.276	ug/l #	41
8) Diethyl Ether	2.18	74	1058	0.926	ug/l	79
11) Tert butyl alcohol	3.03	59	3671	6.600	ug/l #	82
13) Acrolein	2.28	56	333	0.902	ug/l #	15
16) Acetone	2.44	43	7020	6.589	ug/l #	87
20) Methylene Chloride	2.85	84	602	0.275	ug/l #	73
27) cis-1,2-Dichloroethene	4.60	96	654	0.268	ug/l #	28
29) Tetrahydrofuran	5.13	42	286	0.295	ug/l #	61
36) 1,1-Dichloropropene	5.67	75	14733	5.246	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20502	6.741	ug/l #	15
40) Benzene	6.15	78	1760	0.201	ug/l #	75
49) 1,4-Dioxane	7.84	88	27	0.422	ug/l #	1
65) Chlorobenzene	10.13	112	16777	2.567	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	68583	25.437	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	68583	59.342	ug/l #	16
88) 1,4-Dichlorobenzene	12.10	146	1126	0.226	ug/l #	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010654.D
Acq On : 03 Jul 2019 20:42
Operator : JC/SP
Sample : K3666-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MWHR3-14-070219

Quant Time: Jul 04 03:39:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010654.D

Acq: 03 Jul 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

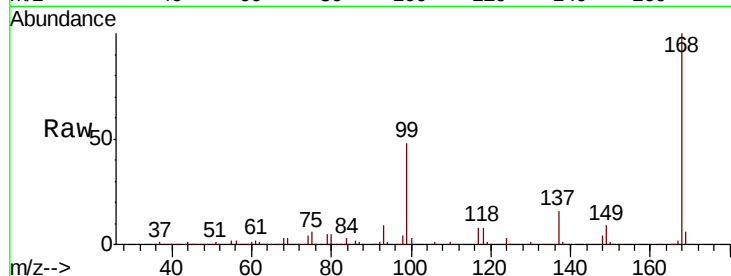
MWHR3-14-070219

Tot Ion:168 Resp: 226717

Ion Ratio Lower Upper

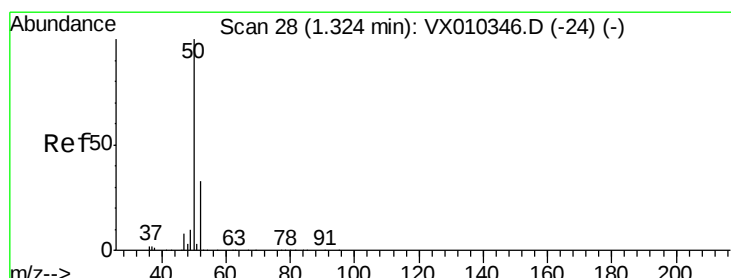
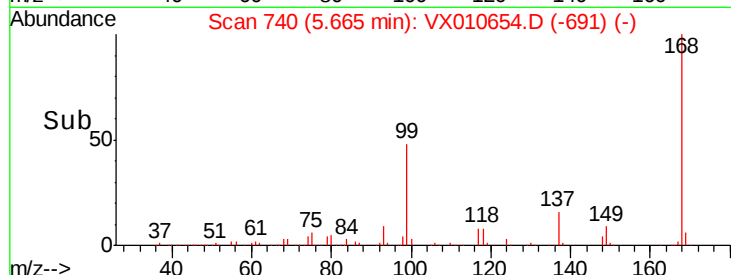
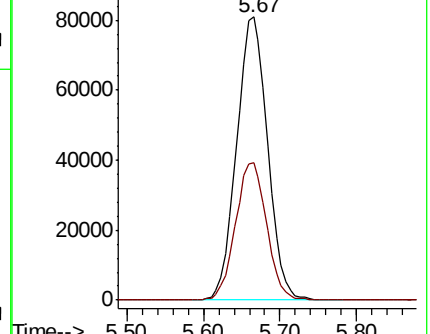
168 100

99 48.3 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: 0.509 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010654.D

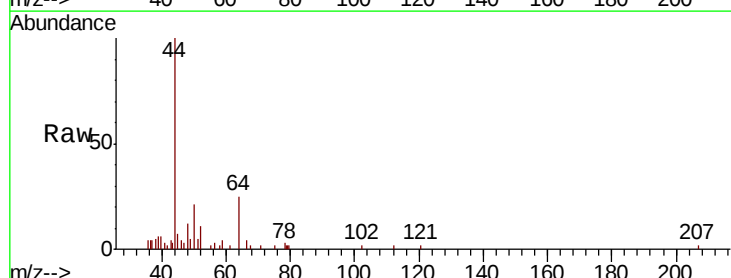
Acq: 03 Jul 2019 20:42

Tgt Ion: 50 Resp: 935

Ion Ratio Lower Upper

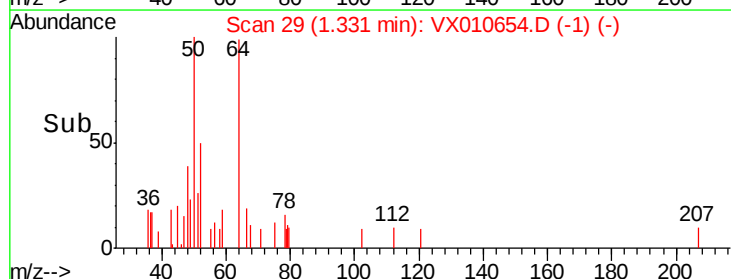
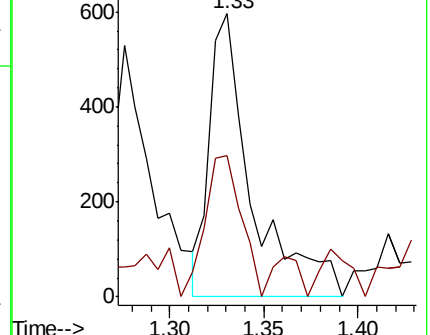
50 100

52 40.9 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: 0.551 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX010654.D

Acq: 03 Jul 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

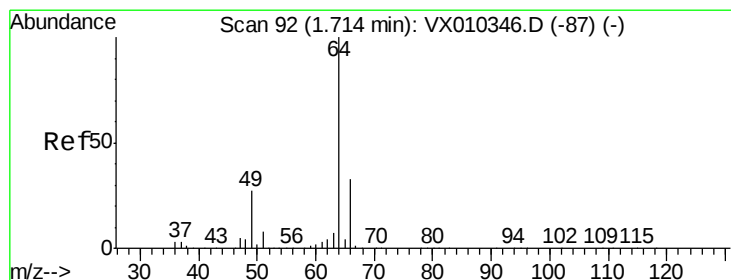
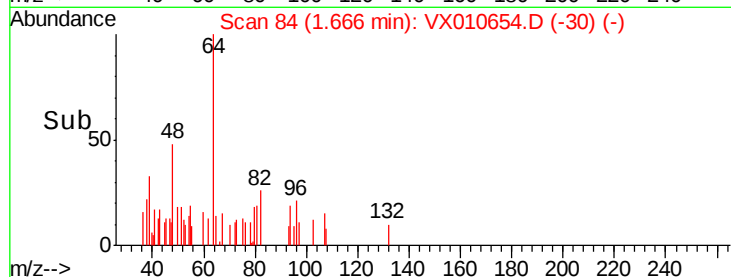
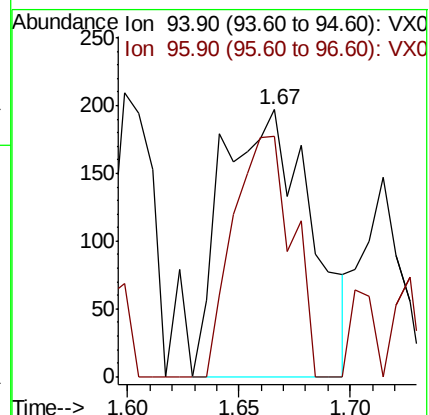
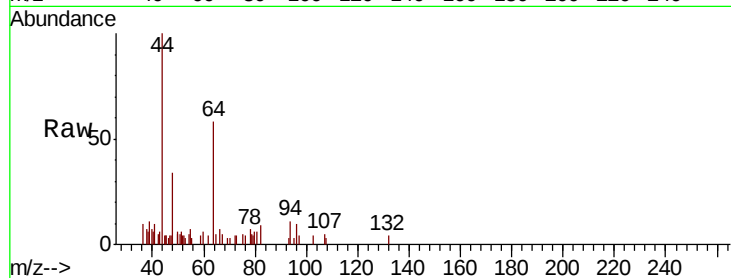
MWHR3-14-070219

Tot Ion: 94 Resp: 540

Ion Ratio Lower Upper

94 100

96 89.8 75.5 113.3



#6

Chloroethane

Concen: 0.276 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.08 min

Lab File: VX010654.D

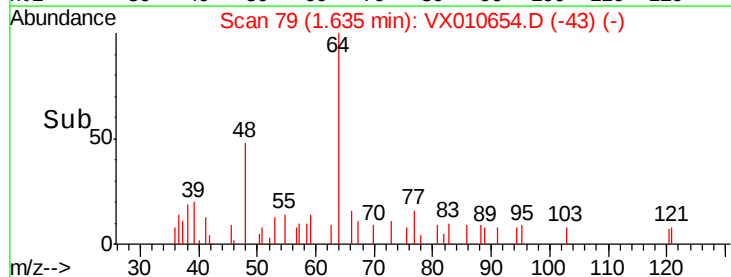
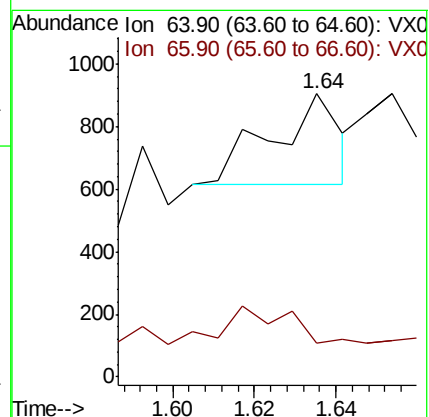
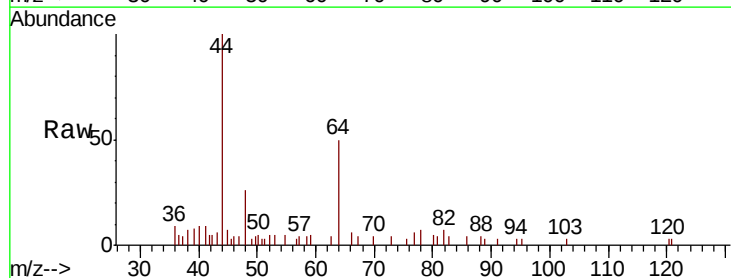
Acq: 03 Jul 2019 20:42

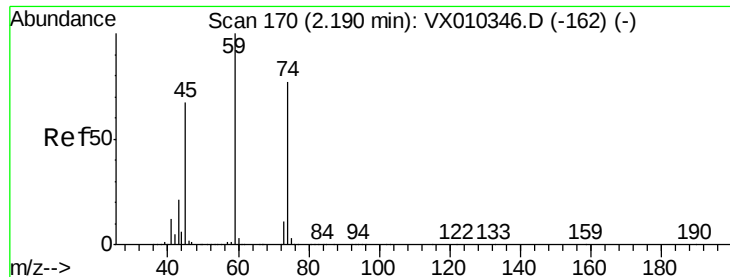
Tgt Ion: 64 Resp: 327

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#





#8

Diethyl Ether

Concen: 0.926 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010654.D

Acq: 03 Jul 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

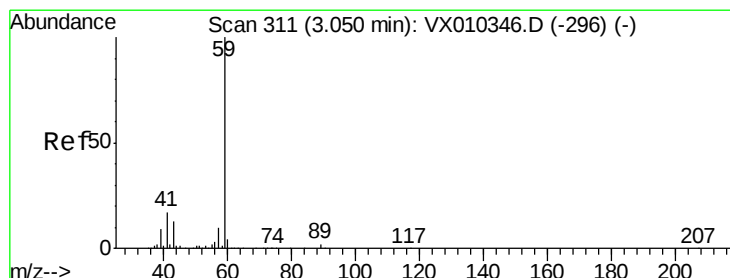
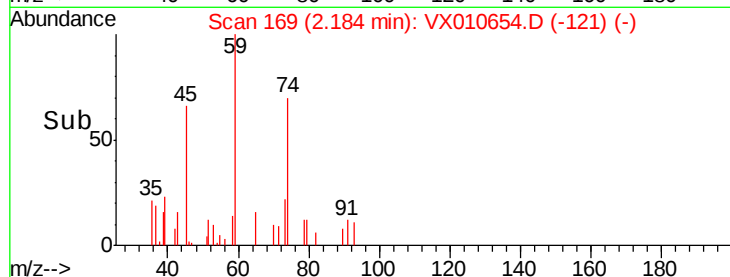
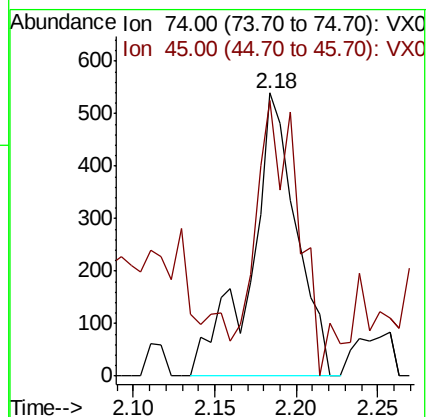
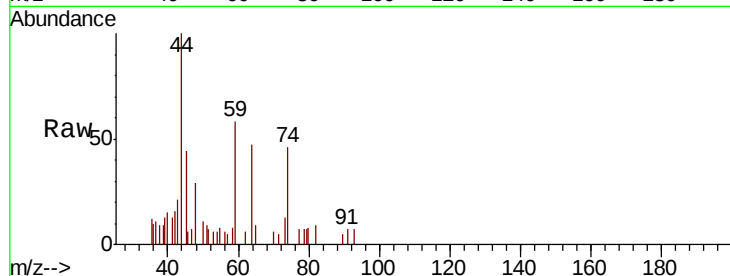
MWHR3-14-070219

Tot Ion: 74 Resp: 1058

Ion Ratio Lower Upper

74 100

45 70.0 44.8 134.4



#11

Tert butyl alcohol

Concen: 6.600 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010654.D

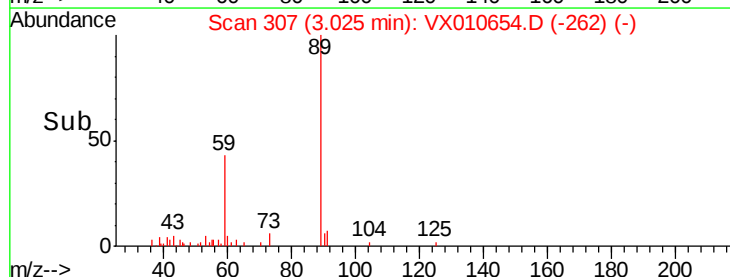
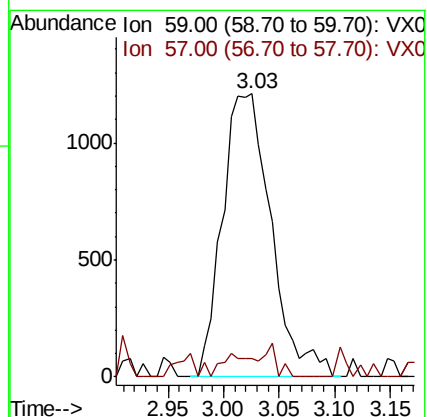
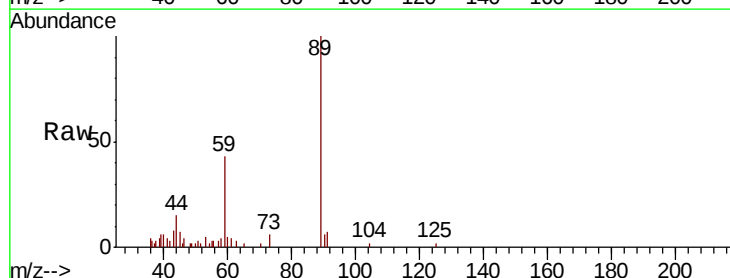
Acq: 03 Jul 2019 20:42

Tgt Ion: 59 Resp: 3671

Ion Ratio Lower Upper

59 100

57 3.0 7.7 11.5#





#13

Acrolein

Concen: 0.902 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010654.D

Acq: 03 Jul 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

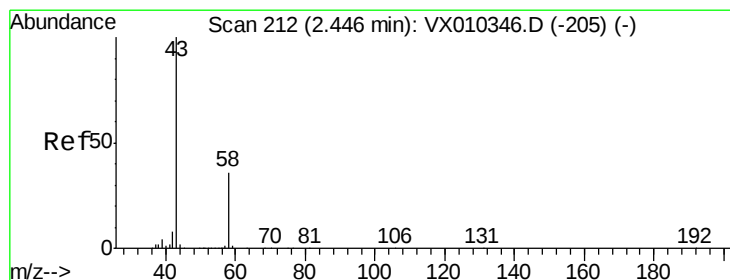
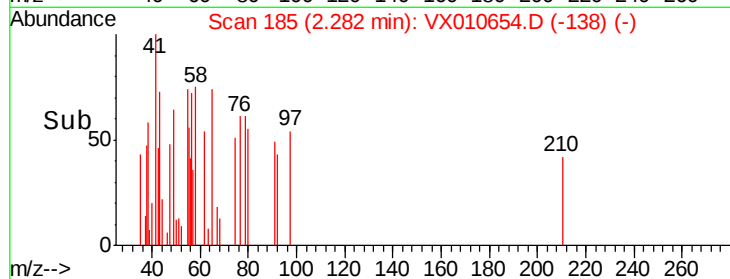
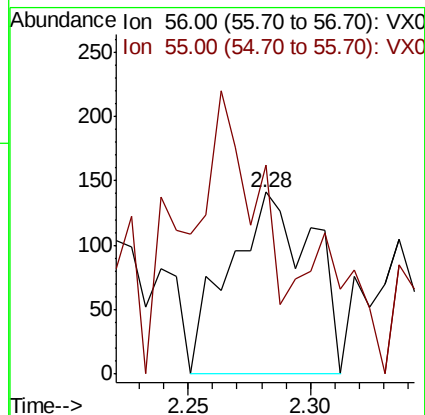
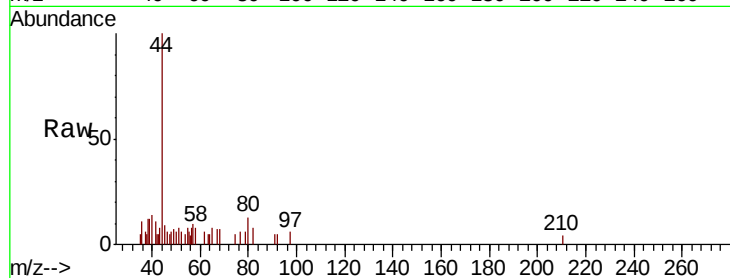
MWHR3-14-070219

Tot Ion: 56 Resp: 333

Ion Ratio Lower Upper

56 100

55 141.1 56.9 85.3#



#16

Acetone

Concen: 6.589 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010654.D

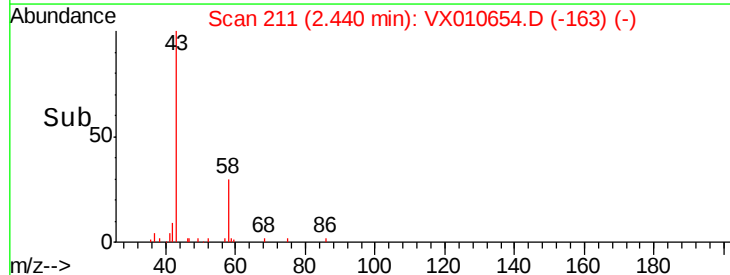
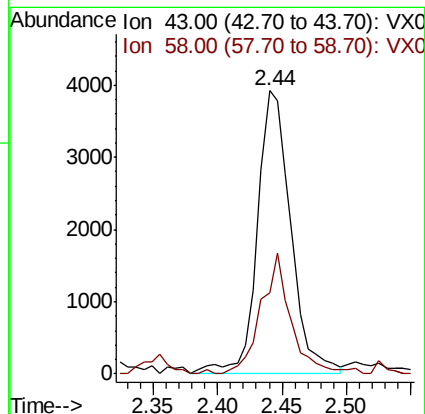
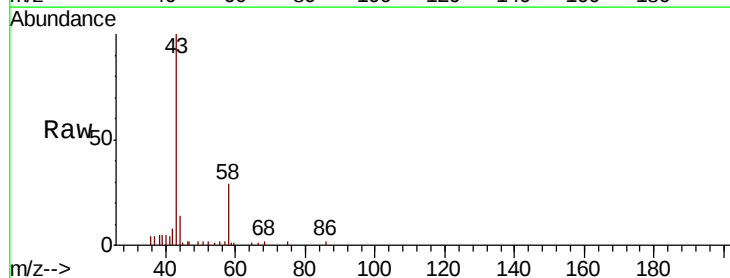
Acq: 03 Jul 2019 20:42

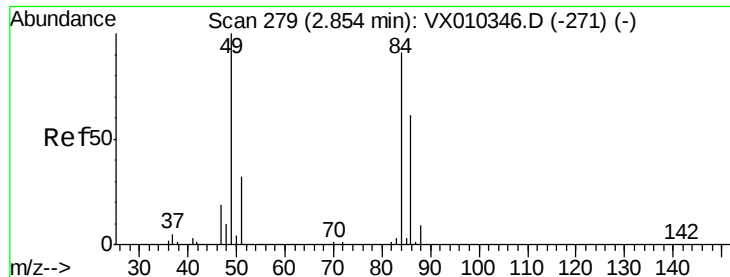
Tgt Ion: 43 Resp: 7020

Ion Ratio Lower Upper

43 100

58 28.6 28.9 43.3#

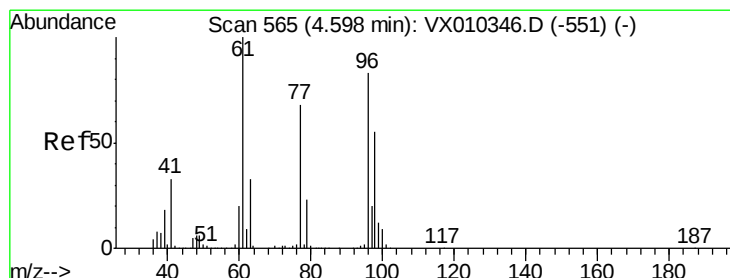
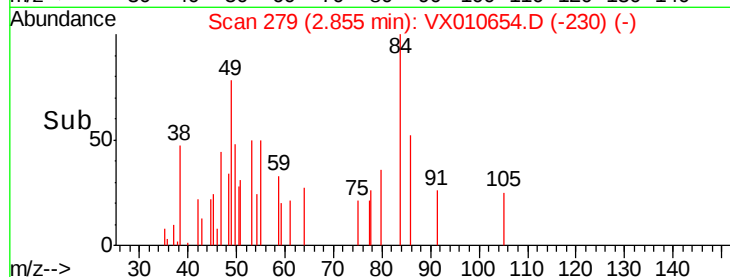
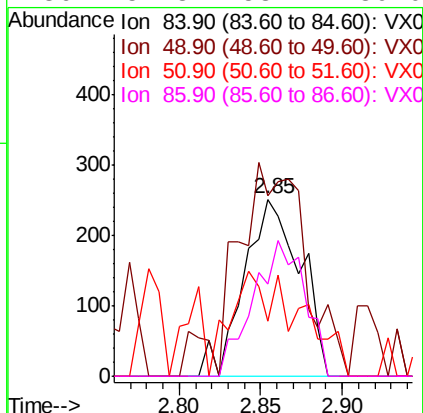
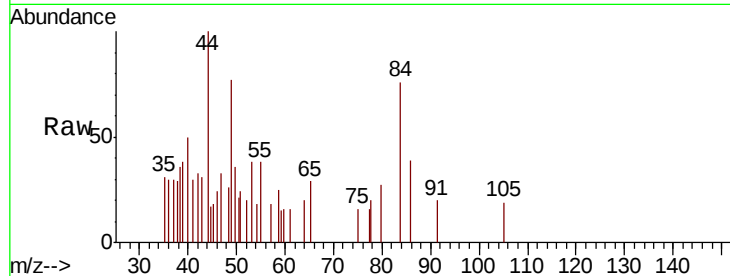




#20
Methvlene Chloride
Concen: 0.275 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

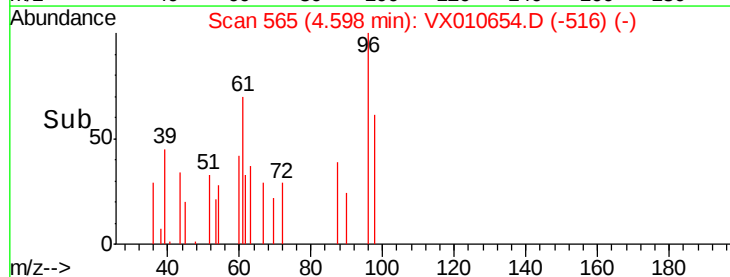
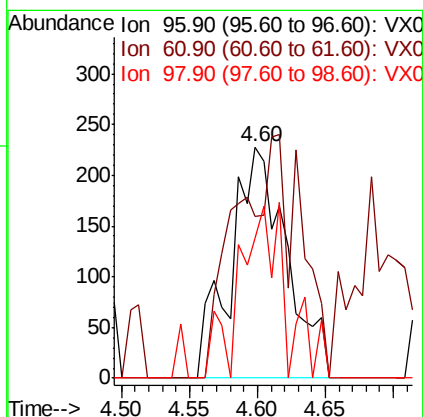
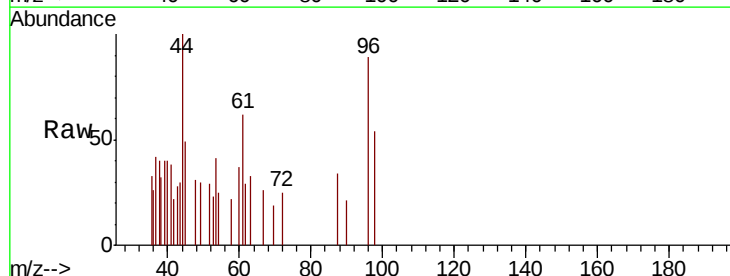
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-14-070219

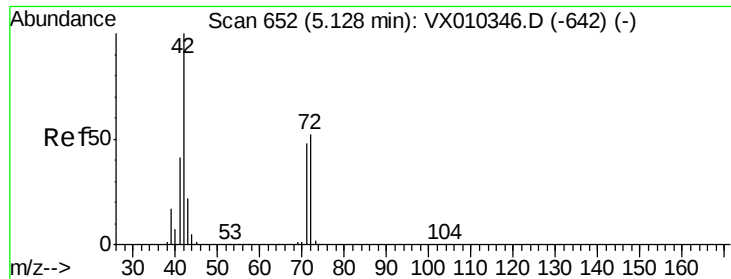
Tot Ion: 84 Resp: 602
Ion Ratio Lower Upper
84 100
49 82.1 87.5 131.3#
51 6.4 27.7 41.5#
86 51.8 53.4 80.0#



#27
cis-1,2-Dichloroethene
Concen: 0.268 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Tgt Ion: 96 Resp: 654
Ion Ratio Lower Upper
96 100
61 49.2 0.0 251.8
98 0.0 0.0 129.4





#29

Tetrahydrofuran

Concen: 0.295 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010654.D

Acq: 03 Jul 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

MWHR3-14-070219

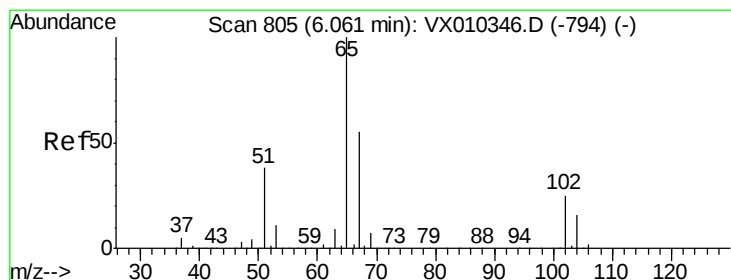
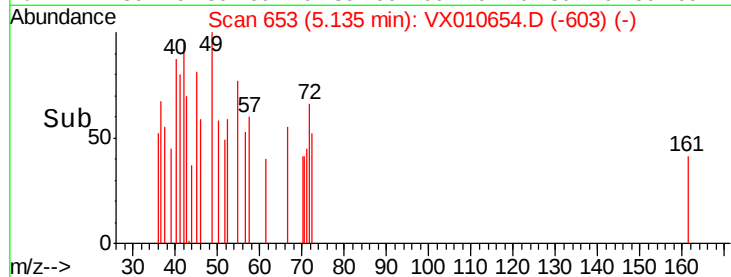
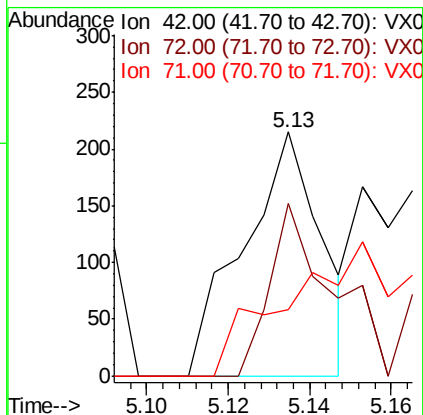
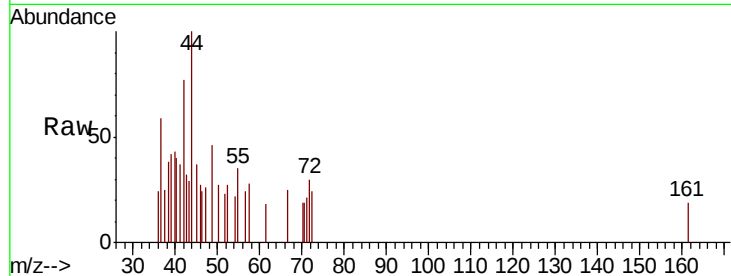
Tot Ion: 42 Resp: 286

Ion Ratio Lower Upper

42 100

72 57.0 40.6 60.8

71 0.0 37.8 56.8#



#33

1,2-Dichloroethane-d4

Concen: 53.810 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010654.D

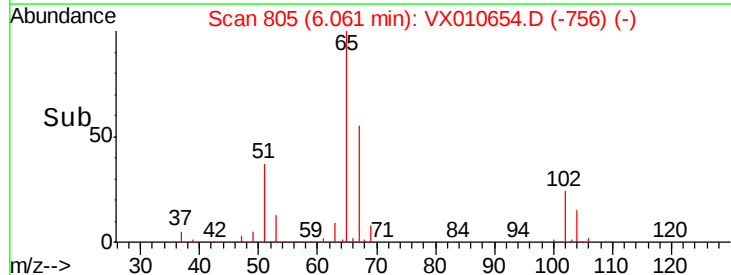
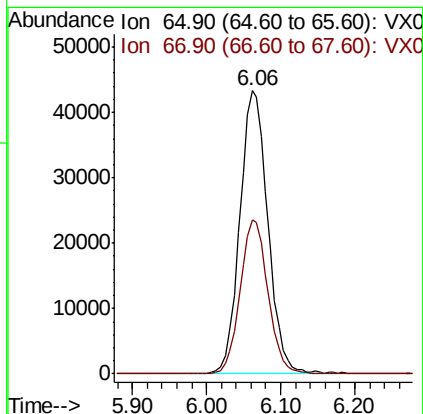
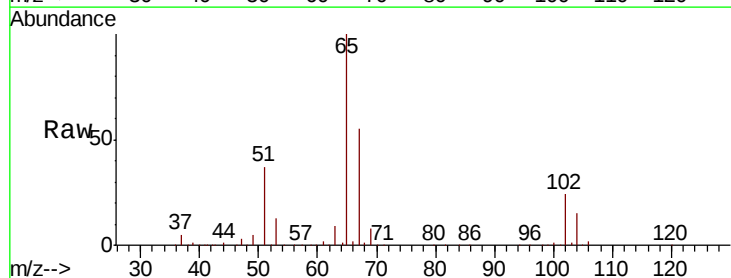
Acq: 03 Jul 2019 20:42

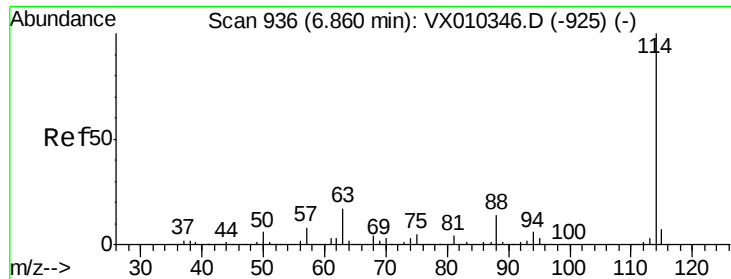
Tgt Ion: 65 Resp: 114384

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.2

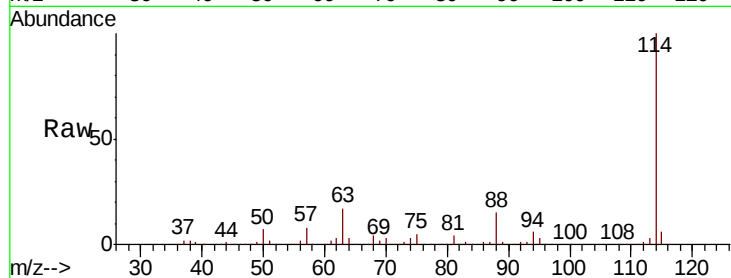




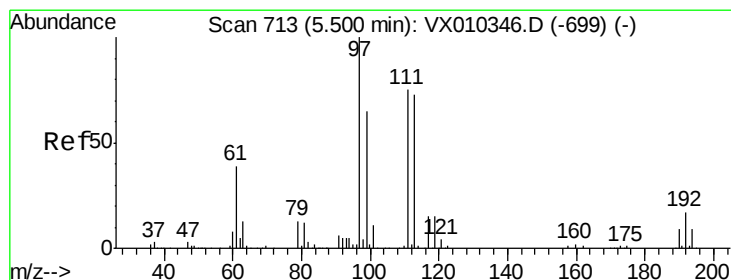
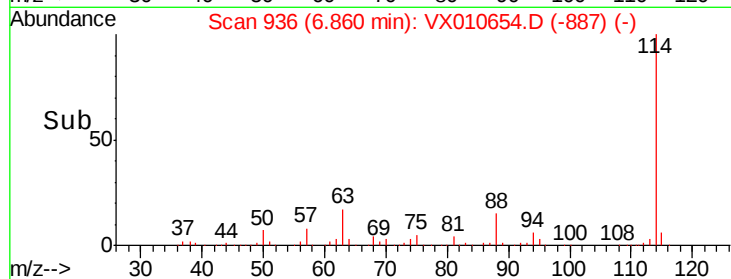
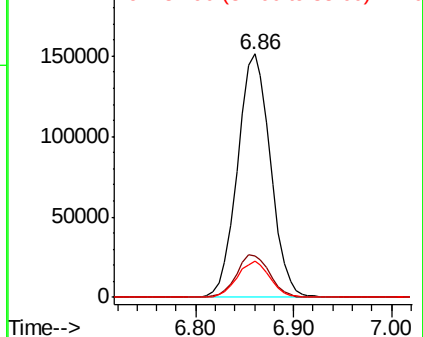
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
MWHR3-14-070219

Tot Ion:114 Resp: 353436
Ion Ratio Lower Upper
114 100
63 17.0 0.0 33.8
88 14.9 0.0 27.6

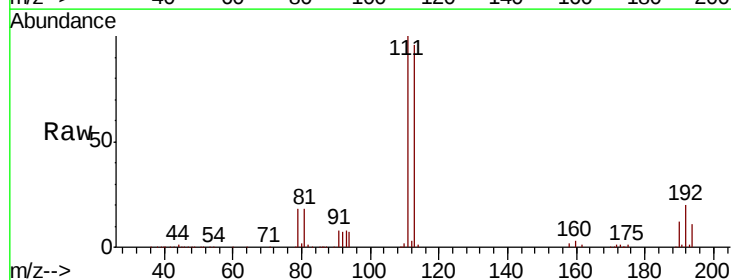


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

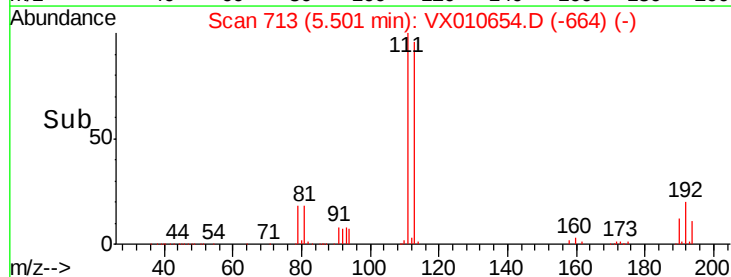
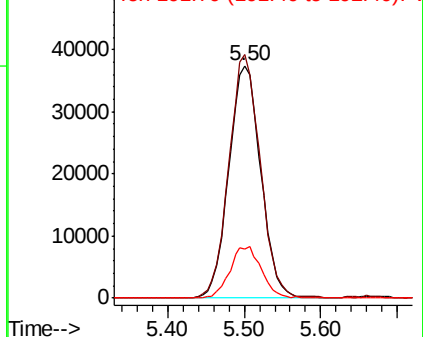


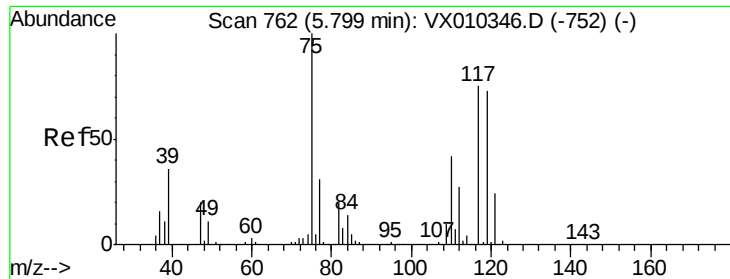
#35
Dibromofluoromethane
Concen: 49.997 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Tgt Ion:113 Resp: 108117
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 21.8 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

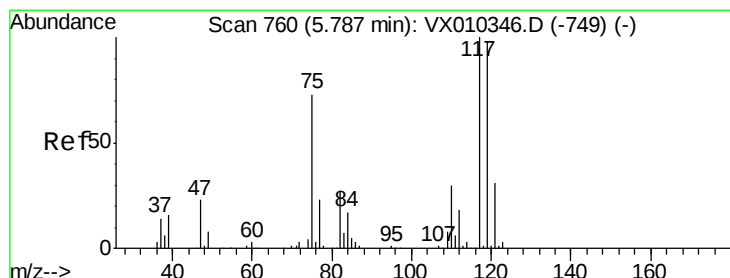
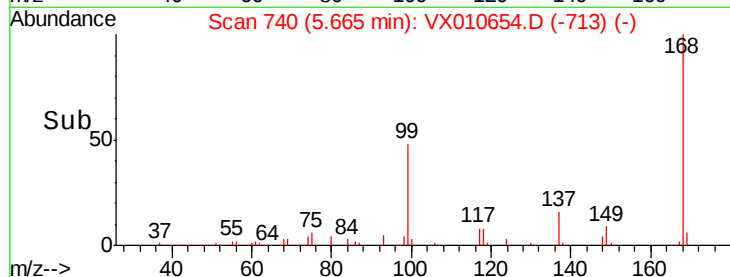
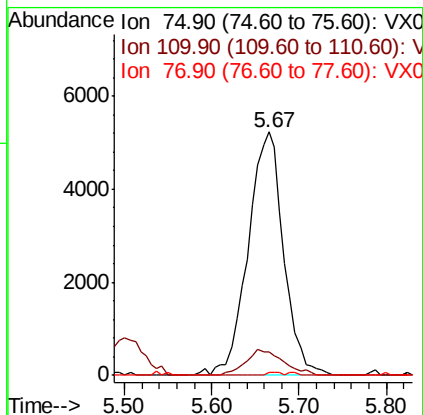
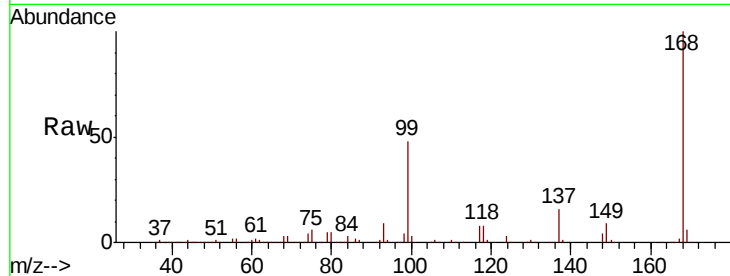




#36
 1,1-Dichloropropene
 Concen: 5.246 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010654.D
 Acq: 03 Jul 2019 20:42

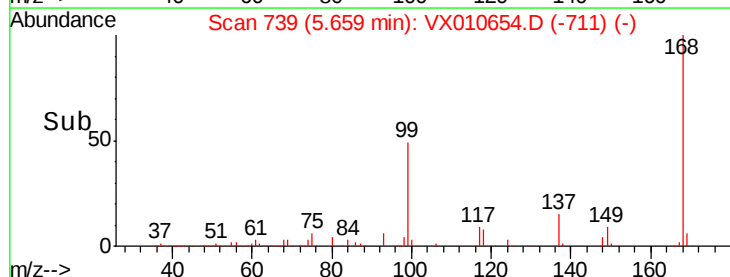
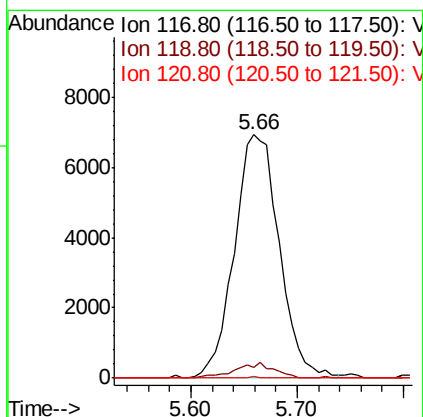
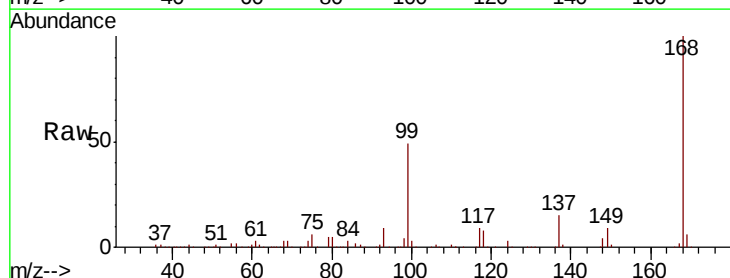
Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR3-14-070219

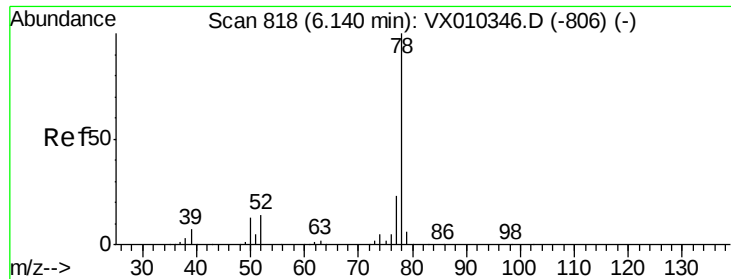
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.8	62.2#
77	0.5	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.741 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010654.D
 Acq: 03 Jul 2019 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.2	117.4#
121	0.9	24.7	37.1#

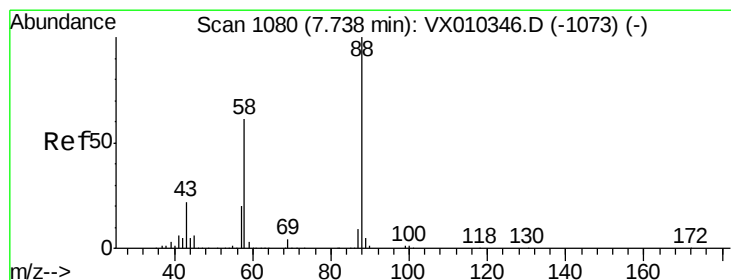
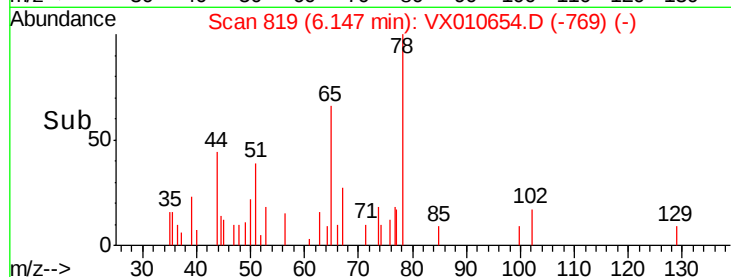
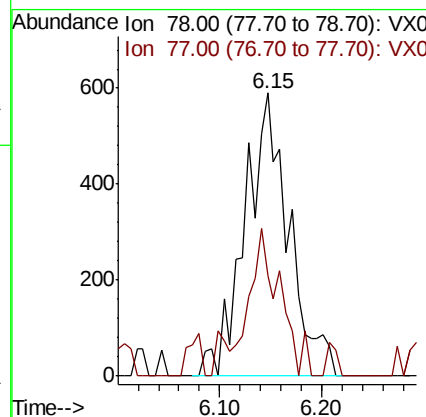
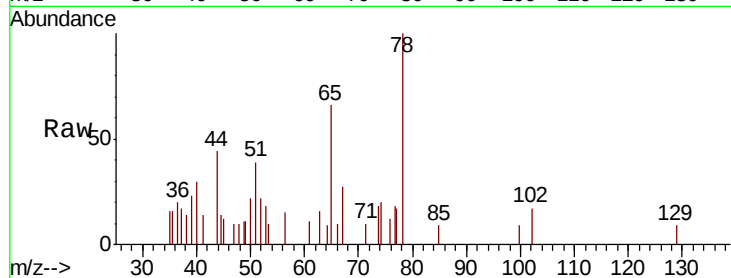




#40
Benzene
Concen: 0.201 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

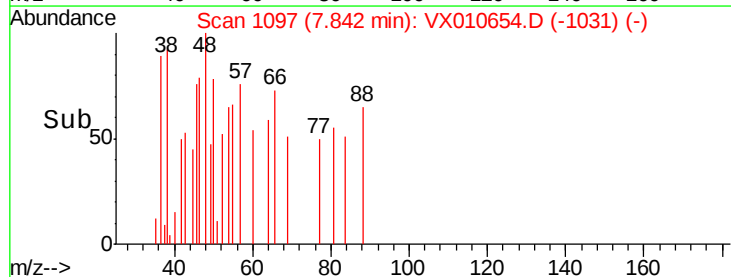
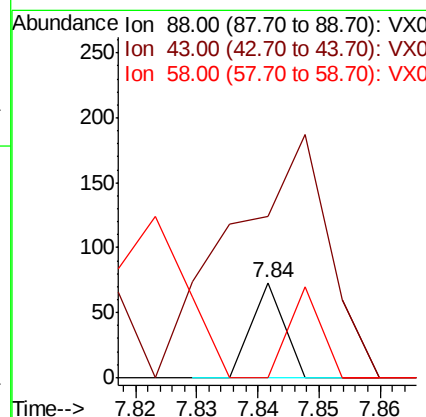
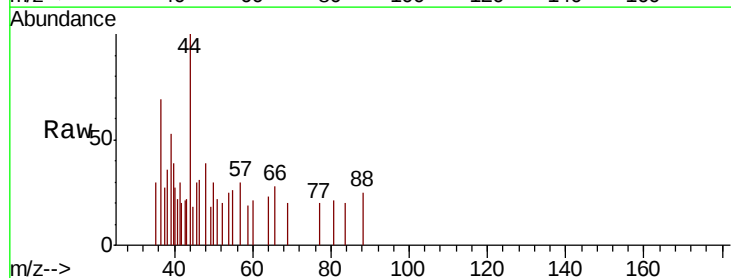
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-14-070219

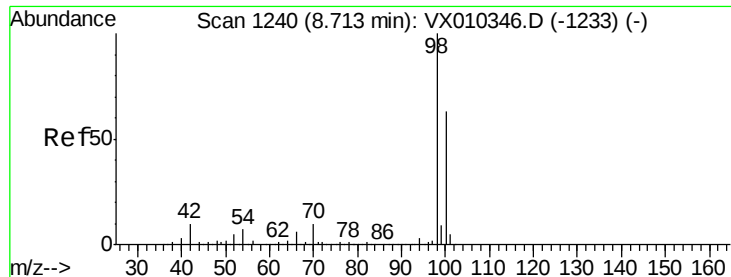
Tot Ion: 78 Resp: 1760
Ion Ratio Lower Upper
78 100
77 35.3 18.6 28.0#



#49
1,4-Dioxane
Concen: 0.422 ug/l
RT: 7.84 min Scan# 1097
Delta R.T. 0.10 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 763.0 20.2 30.2#
58 96.3 49.5 74.3#

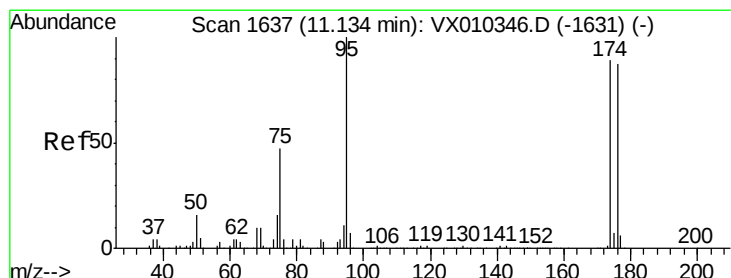
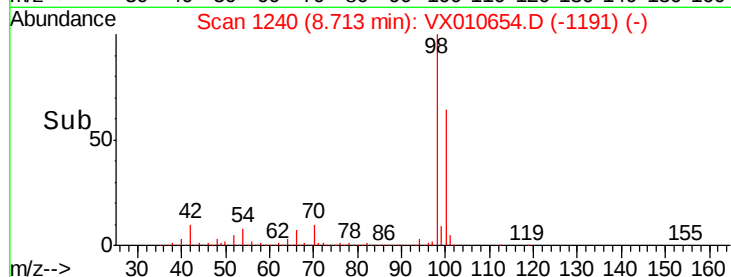
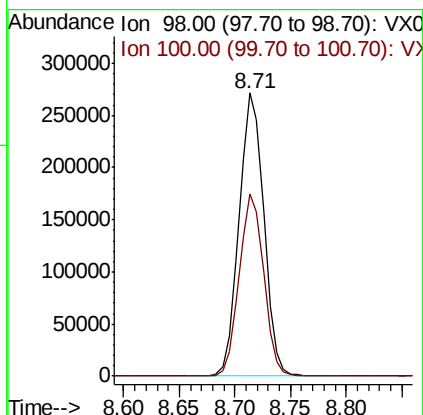
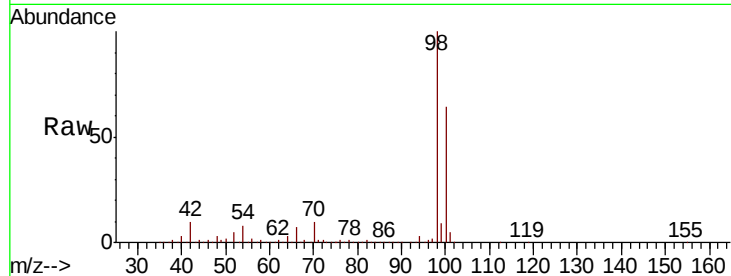




#50
Toluene-d8
Concen: 50.635 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

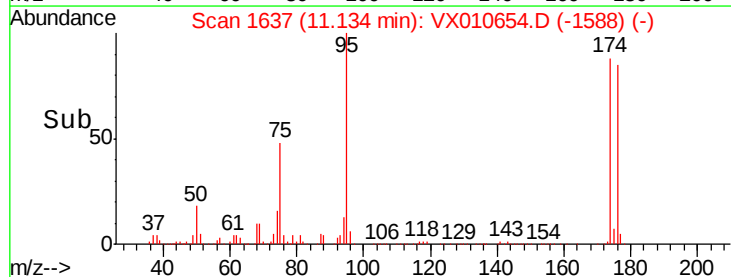
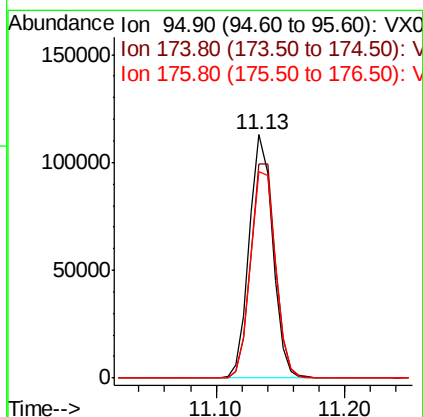
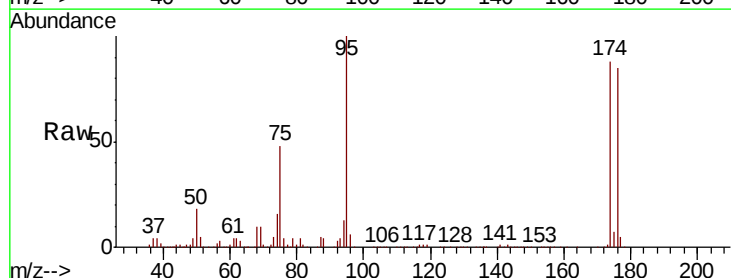
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-14-070219

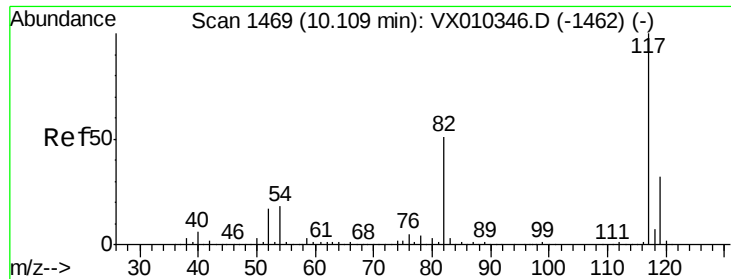
Tot Ion: 98 Resp: 418908
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.167 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Tgt Ion: 95 Resp: 140881
Ion Ratio Lower Upper
95 100
174 92.8 0.0 187.6
176 90.4 0.0 184.0

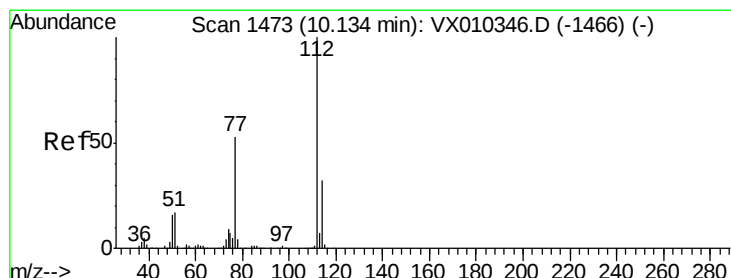
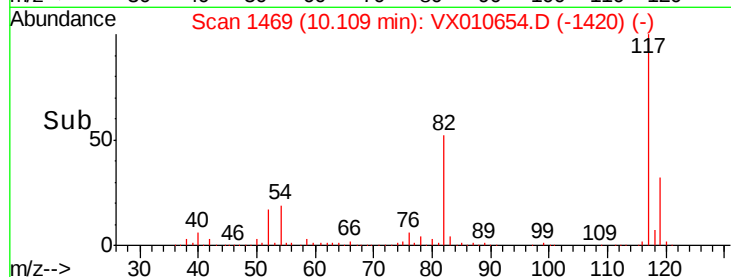
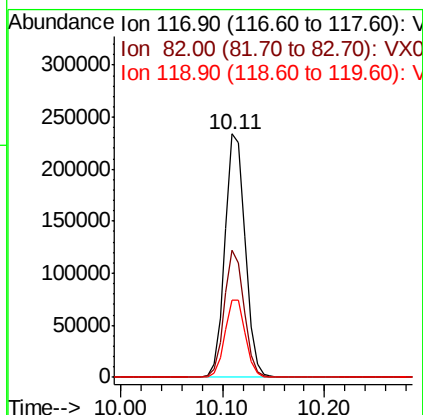
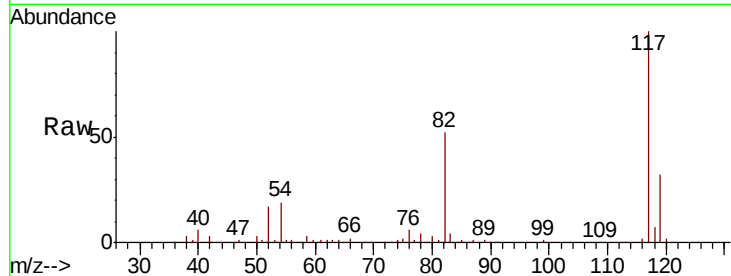




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

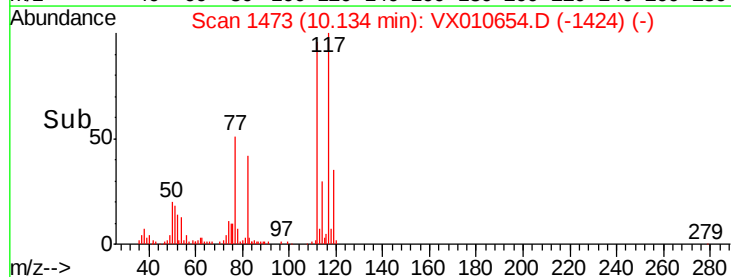
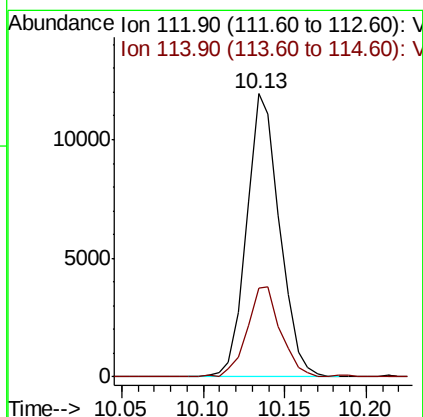
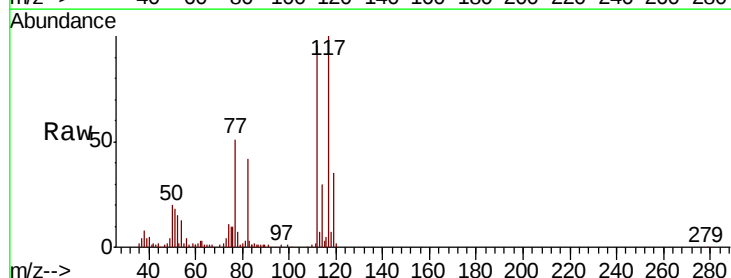
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-14-070219

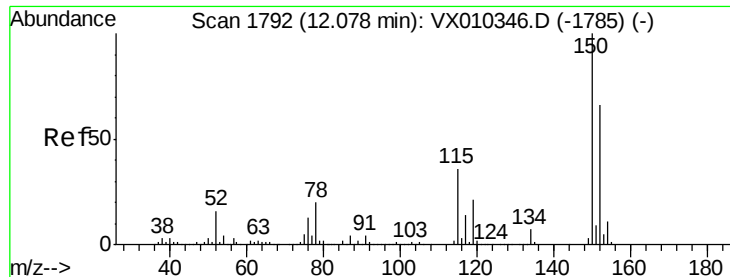
Tot Ion:117 Resp: 321900
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 31.6 25.5 38.3



#65
Chlorobenzene
Concen: 2.567 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Tgt Ion:112 Resp: 16777
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010654.D

Acq: 03 Jul 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

MWHR3-14-070219

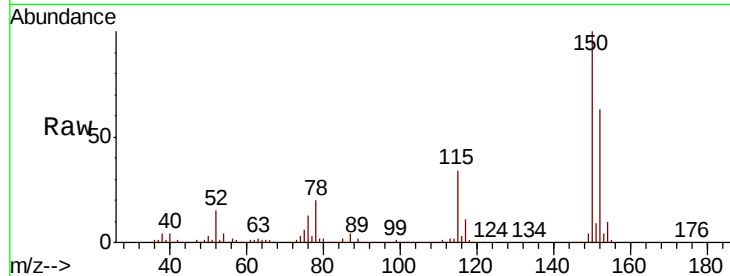
Tot Ion:152 Resp: 147959

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

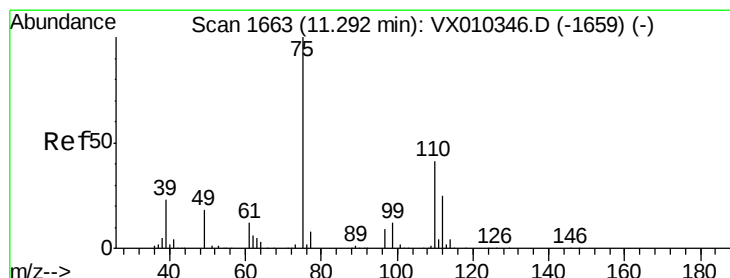
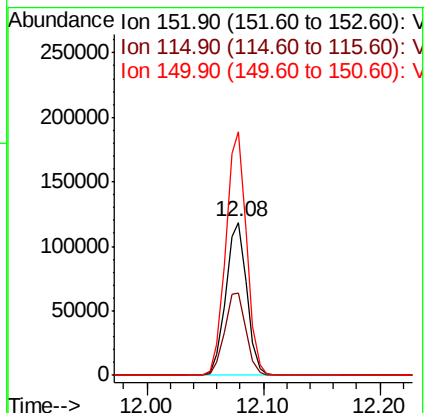
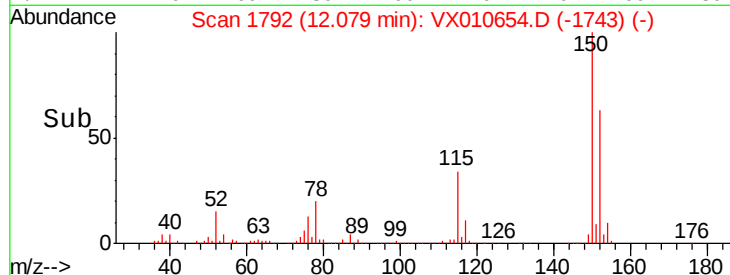
150 157.3 0.0 347.4



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: 25.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010654.D

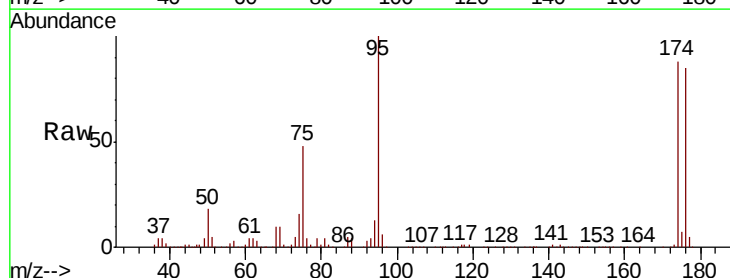
Acq: 03 Jul 2019 20:42

Tgt Ion: 75 Resp: 68583

Ion Ratio Lower Upper

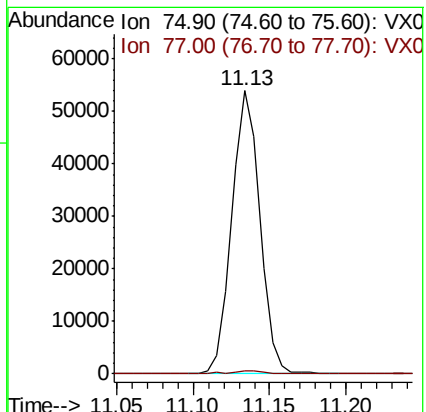
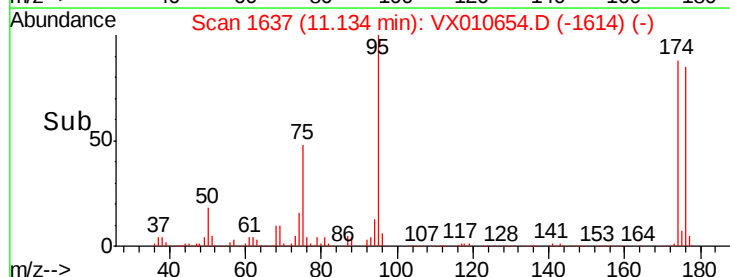
75 100

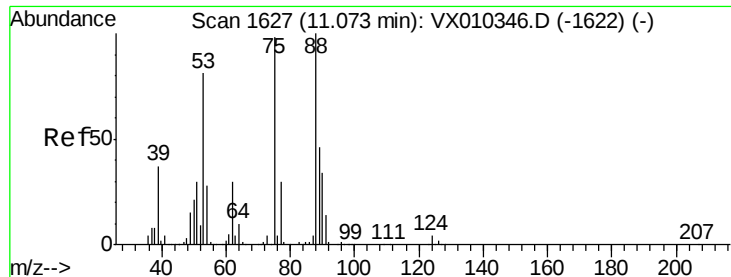
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

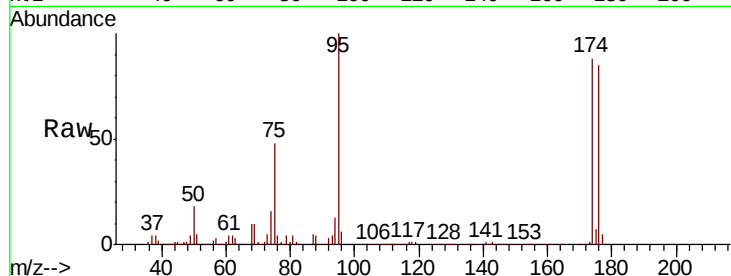




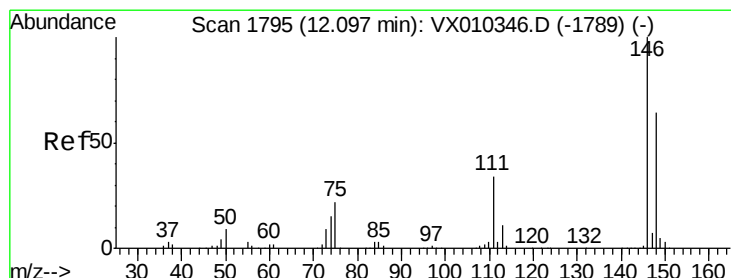
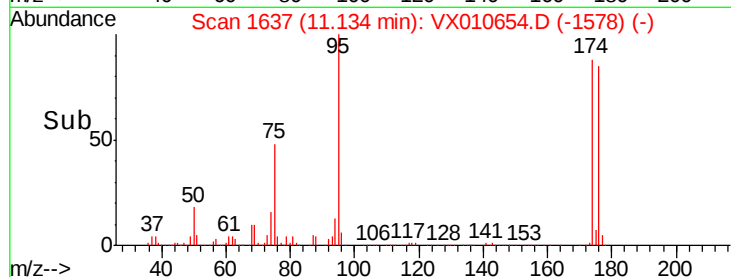
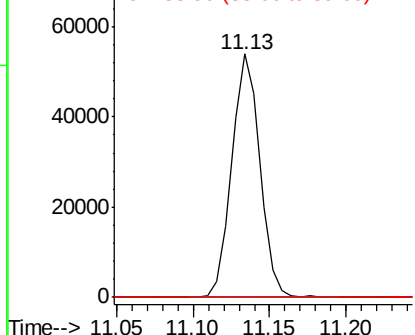
#81
trans-1,4-Dichloro-2-butene
Concen: 59.342 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
MWHHR3-14-070219

Tot Ion: 75 Resp: 68583
Ion Ratio Lower Upper
75 100
53 0.2 66.1 99.1#
89 0.0 37.8 56.6#

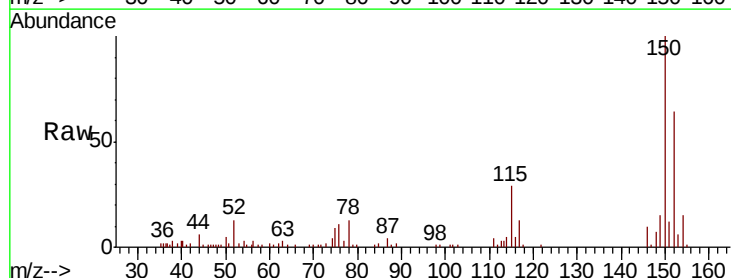


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#88
1,4-Dichlorobenzene
Concen: 0.226 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010654.D
Acq: 03 Jul 2019 20:42

Tgt Ion: 146 Resp: 1126
Ion Ratio Lower Upper
146 100
111 200.0 18.1 54.3#
148 113.7 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

