

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011991.D
 Acq On : 19 Aug 2019 15:06
 Operator : SY/VA
 Sample : K4385-12
 Misc : 7.09G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 16:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

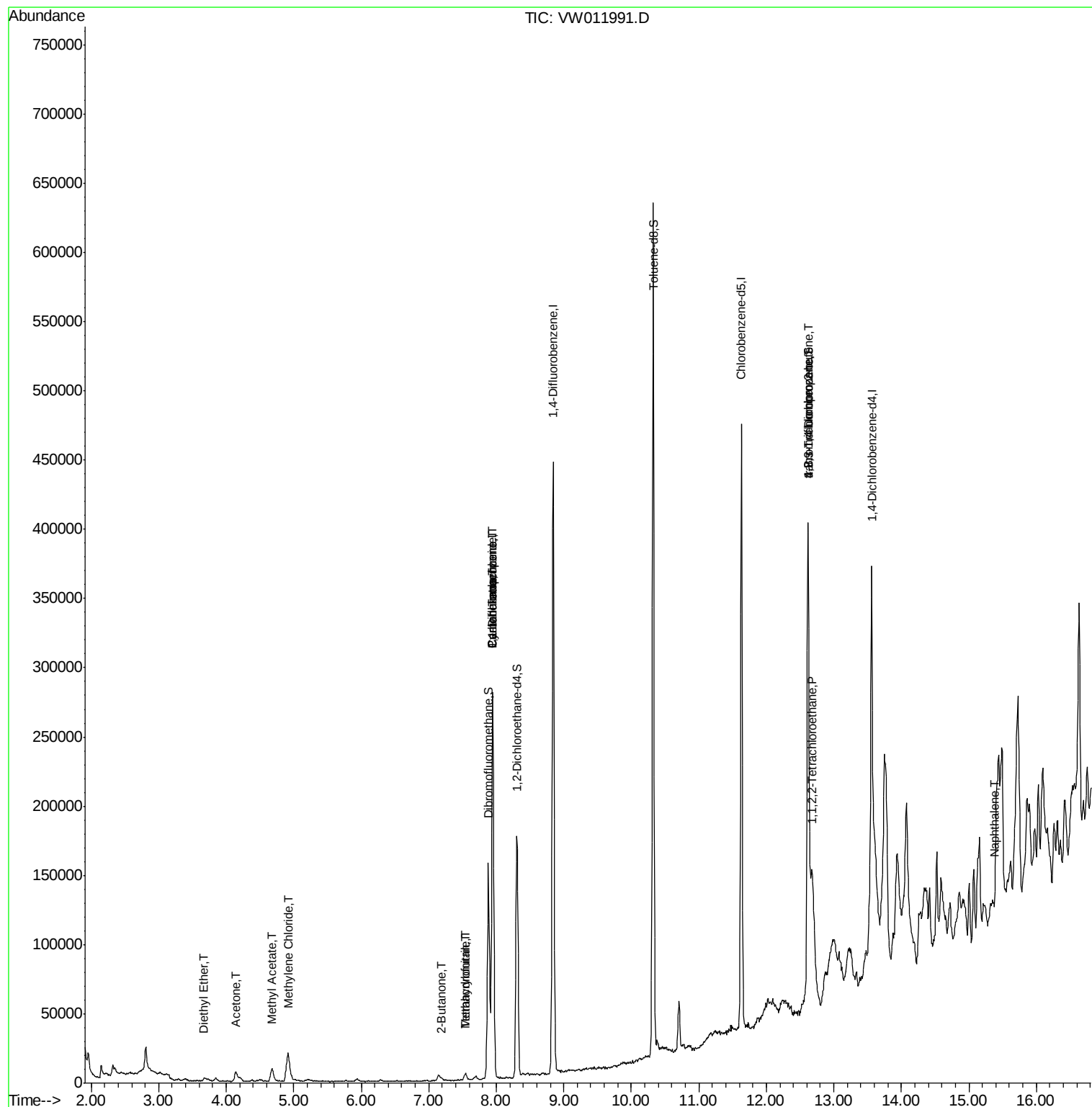
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	230916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55696	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138295	58.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.68%	
35) Dibromofluoromethane	7.88	113	110800	55.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.34%	
50) Toluene-d8	10.32	98	383806	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.62	95	107394	36.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.92%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1240	1.019	ug/l	66
11) Tert butyl alcohol	5.21	59	3094	Below Cal	#	82
16) Acetone	4.14	43	14283	18.940	ug/l	99
18) Methyl Acetate	4.68	43	19374	11.436	ug/l	99
20) Methylene Chloride	4.92	84	15596	5.997	ug/l	95
25) 2-Butanone	7.18	43	1071	1.085	ug/l #	84
29) Tetrahydrofuran	7.54	42	4591	8.139	ug/l	98
31) Cyclohexane	7.95	56	5199	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17352	4.704	ug/l #	54
38) Carbon Tetrachloride	7.95	117	20725	6.563	ug/l #	17
41) Methacrylonitrile	7.54	41	3133	2.469	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.68	83	38771	49.607	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	48017	81.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48017	187.778	ug/l #	7
95) Naphthalene	15.38	128	689	2.366	ug/l #	70

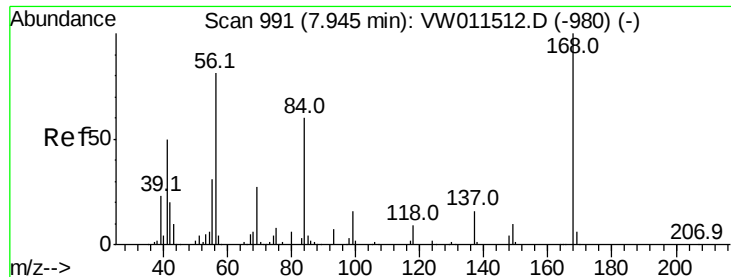
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011991.D
Acq On : 19 Aug 2019 15:06
Operator : SY/VA
Sample : K4385-12
Misc : 7.09G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 19 16:26:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Instrument :

MSVOA_W

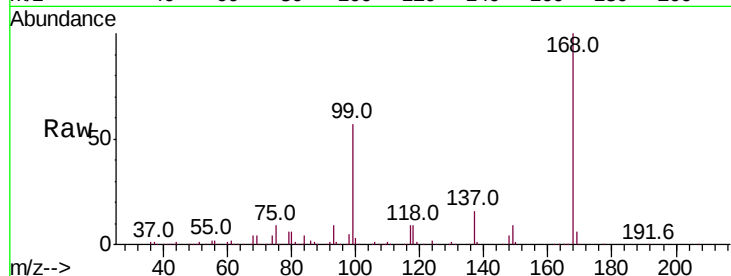
ClientSampled :

Tot Ion:168 Resp: 206455

Ion Ratio Lower Upper

168 100

99 57.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

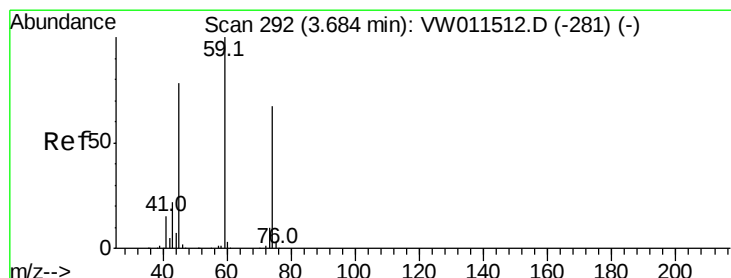
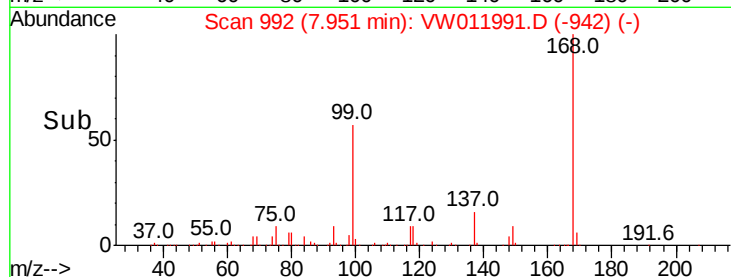
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.019 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.02 min

Lab File: VW011991.D

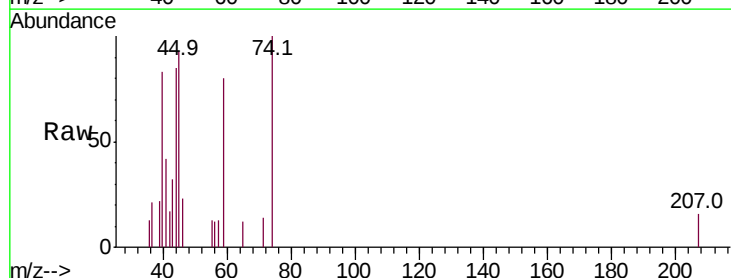
Acq: 19 Aug 2019 15:06

Tgt Ion: 74 Resp: 1240

Ion Ratio Lower Upper

74 100

45 156.3 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

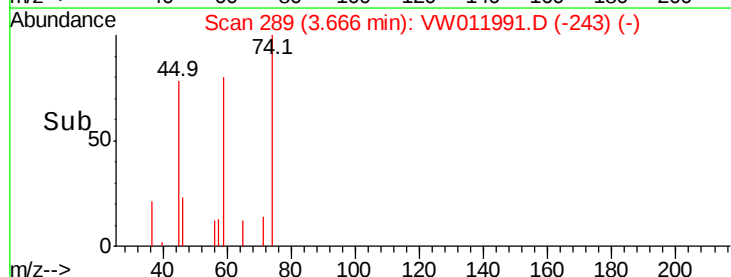
600

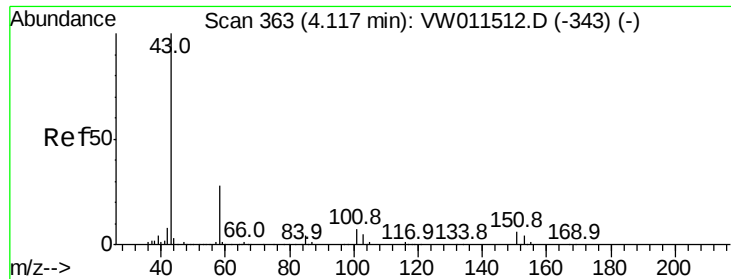
400

200

0

Time--> 3.60 3.65 3.70 3.75

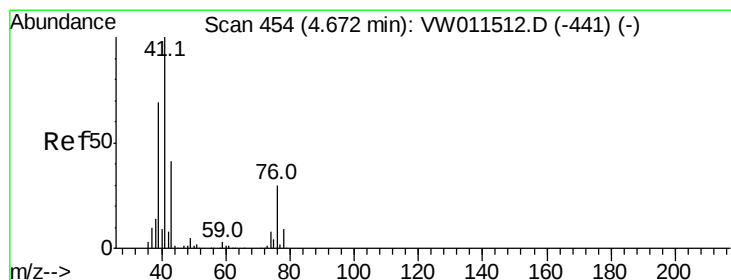
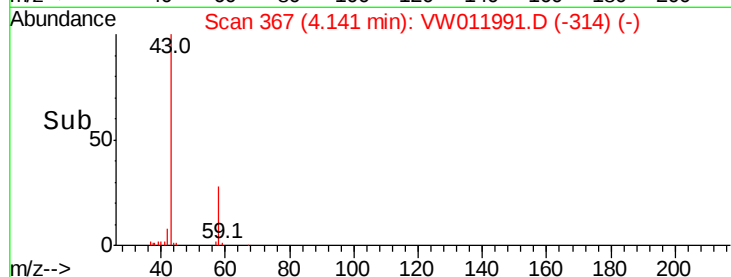
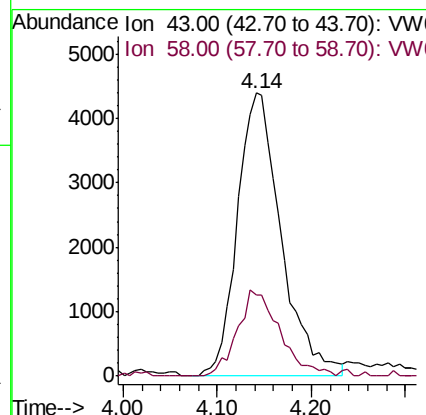
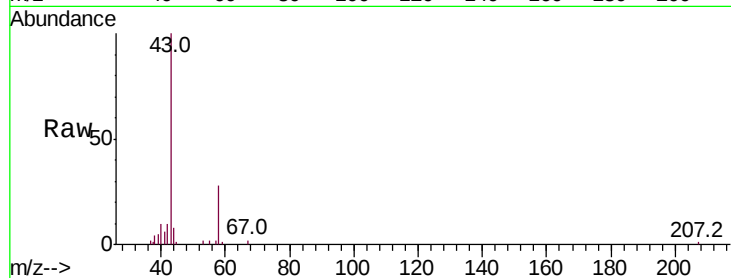




#16
Acetone
Concen: 18.940 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

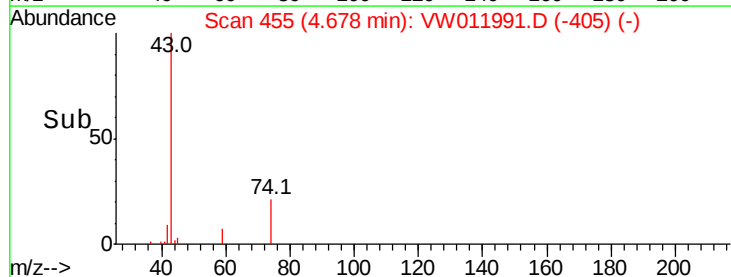
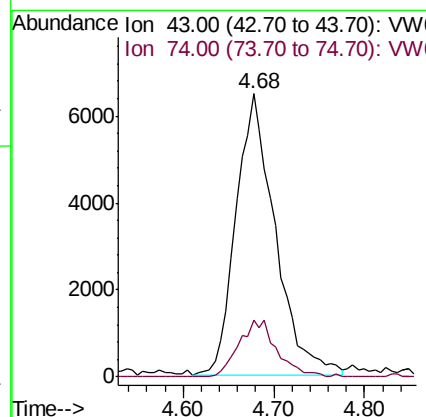
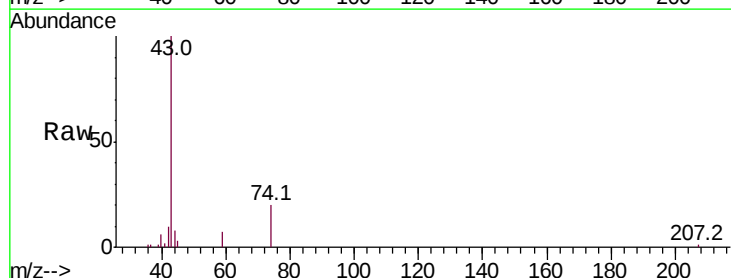
Instrument :
MSVOA_W
ClientSampleId :

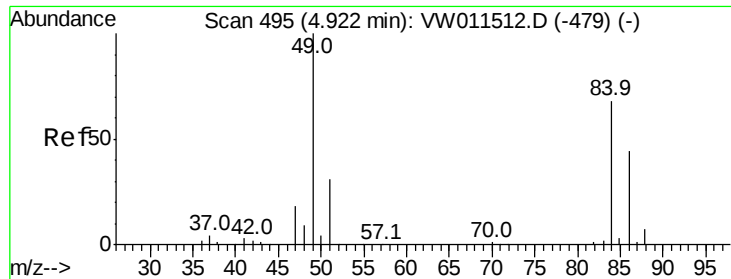
Tot Ion: 43 Resp: 14283
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



#18
Methyl Acetate
Concen: 11.436 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

Tgt Ion: 43 Resp: 19374
Ion Ratio Lower Upper
43 100
74 19.6 15.9 23.9

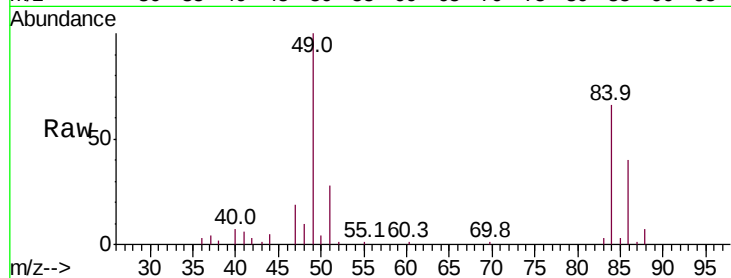




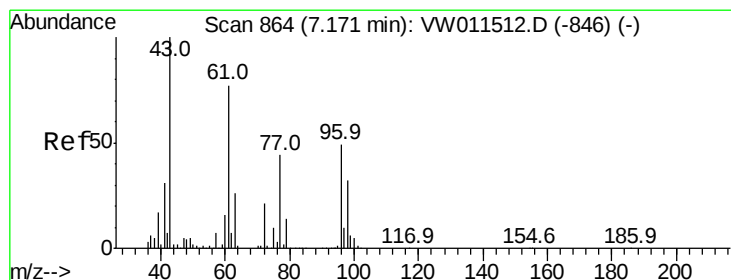
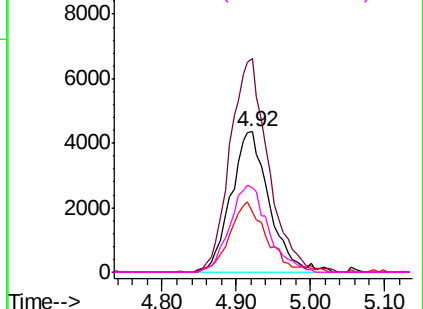
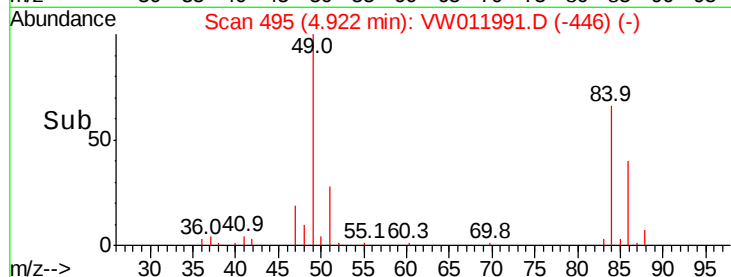
#20
Methvlene Chloride
Concen: 5.997 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 15596
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.6
51 43.1 37.0 55.4
86 60.0 51.8 77.8

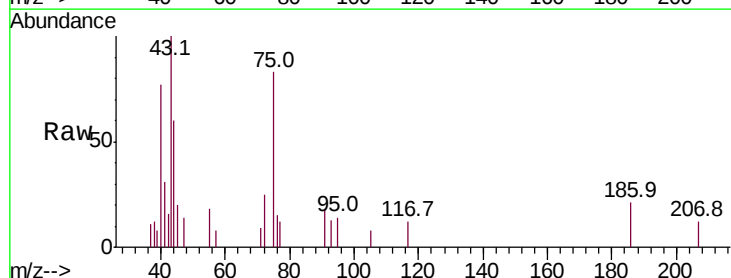


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

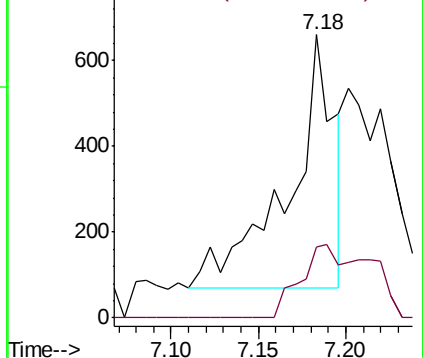
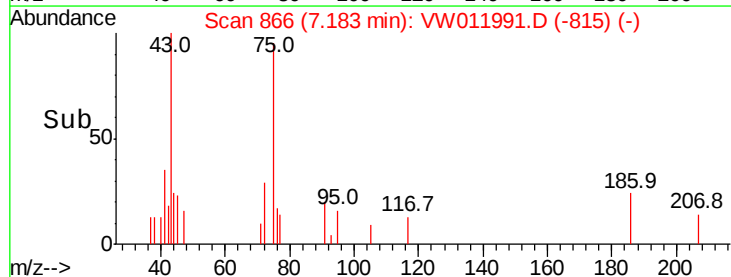


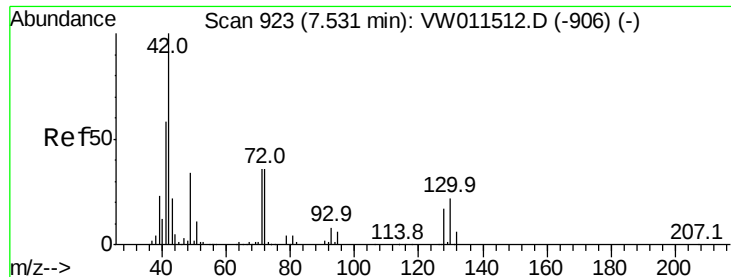
#25
2-Butanone
Concen: 1.085 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
72 28.2 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

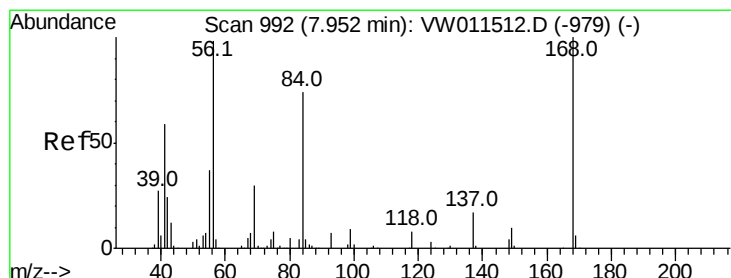
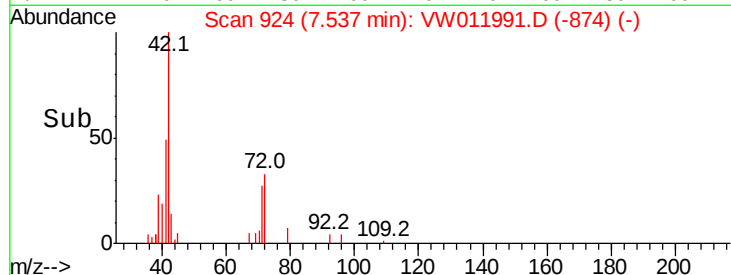
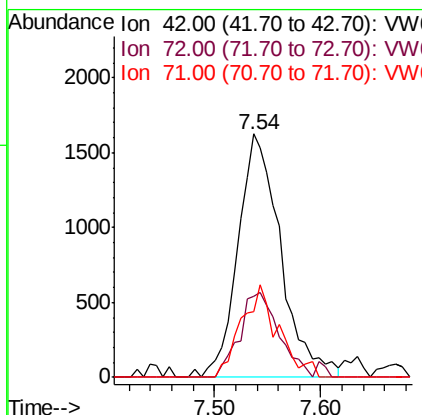
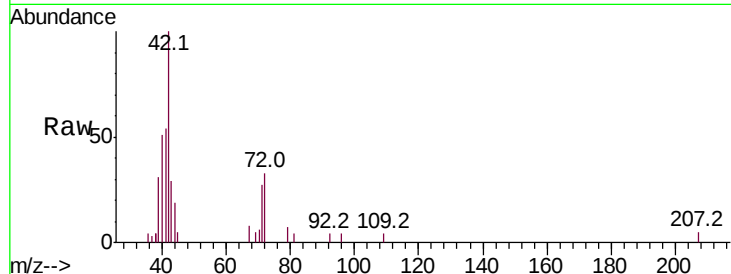




#29
Tetrahydrofuran
Concen: 8.139 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

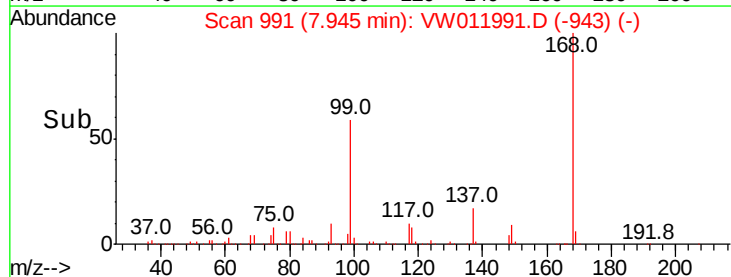
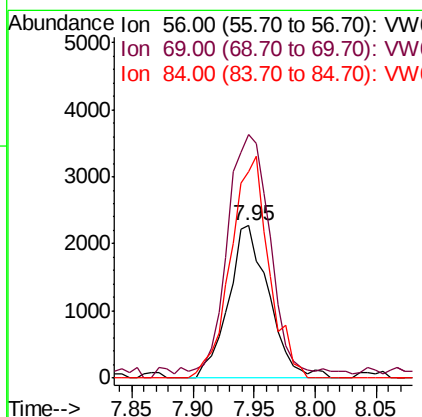
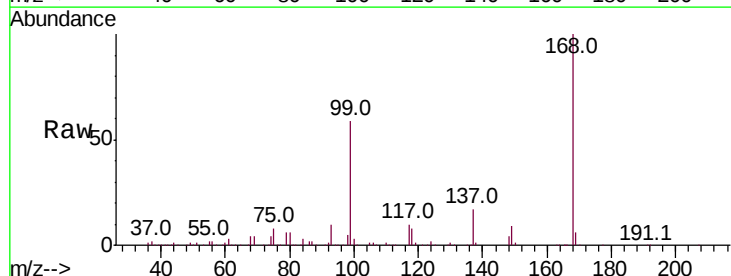
Instrument :
MSVOA_W
ClientSampleId :

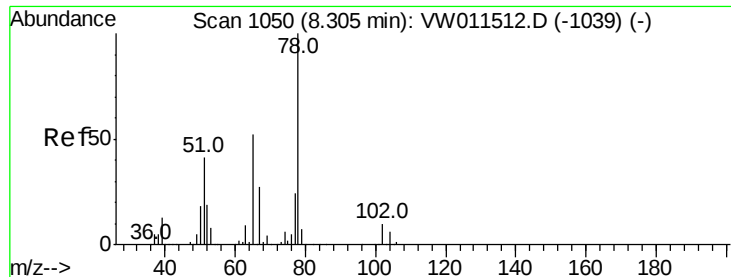
Tot Ion: 42 Resp: 4591
Ion Ratio Lower Upper
42 100
72 32.1 27.1 40.7
71 32.8 26.2 39.4



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

Tgt Ion: 56 Resp: 5199
Ion Ratio Lower Upper
56 100
69 155.6 24.3 36.5#
84 135.2 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 58.336 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Instrument :

MSVOA_W

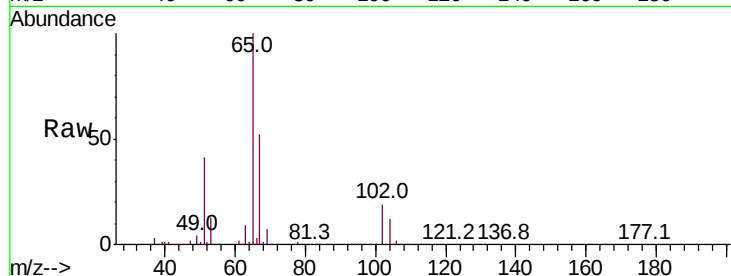
ClientSampleId :

Tot Ion: 65 Resp: 138295

Ion Ratio Lower Upper

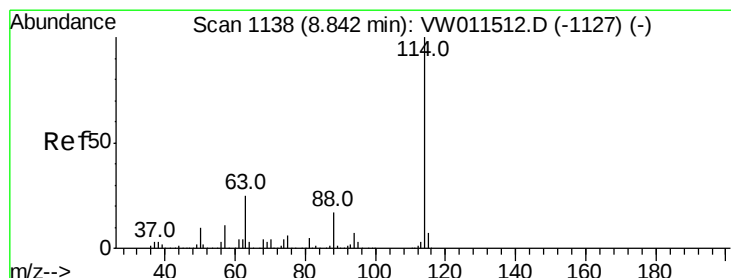
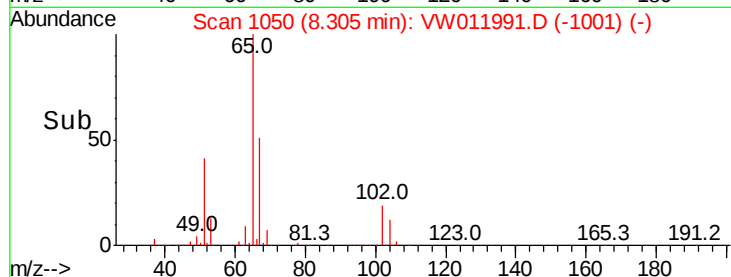
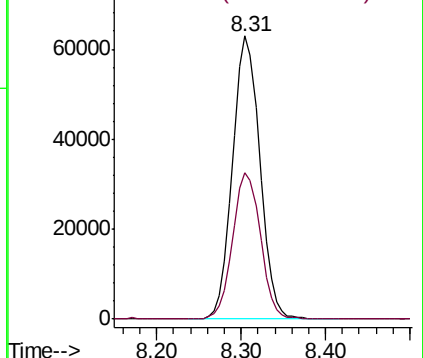
65 100

67 52.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

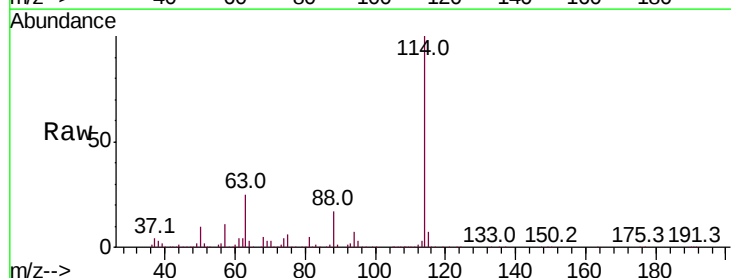
Tgt Ion: 114 Resp: 354780

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

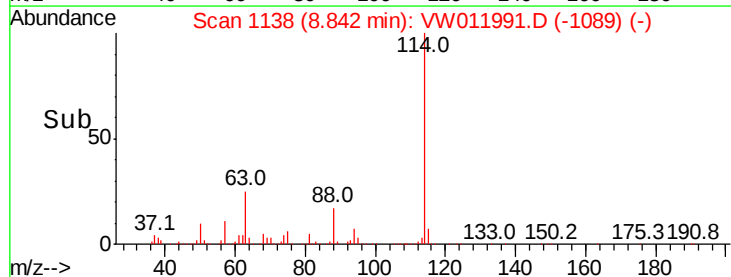
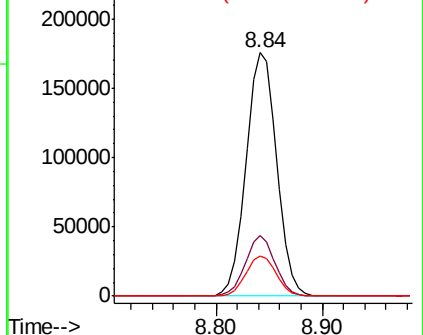
88 16.7 0.0 33.8

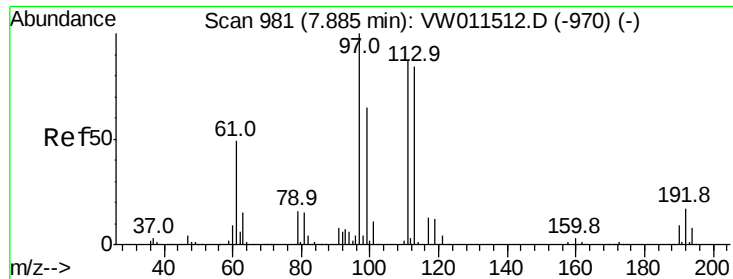


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

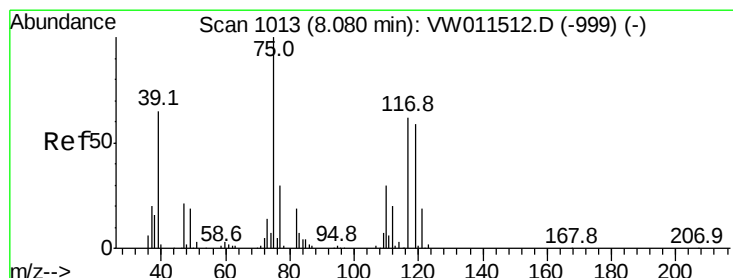
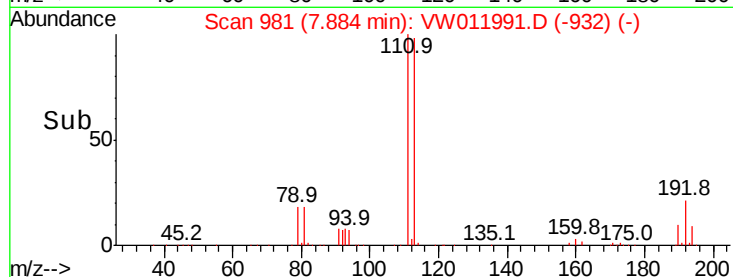
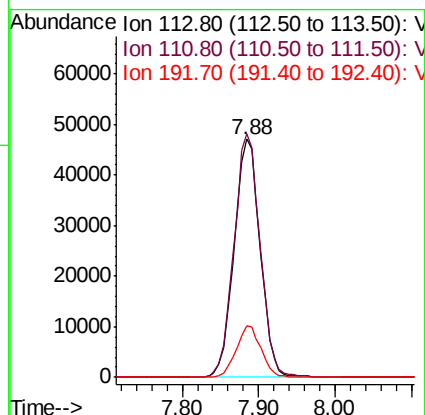
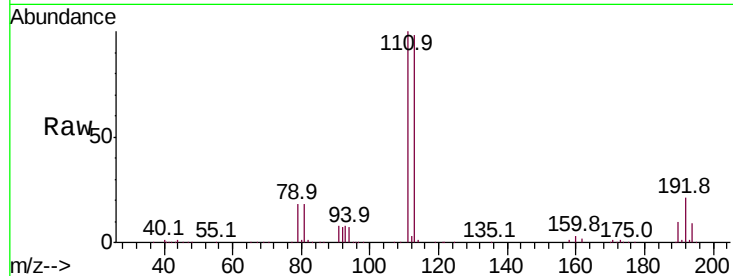




#35
Dibromofluoromethane
Concen: 55.668 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

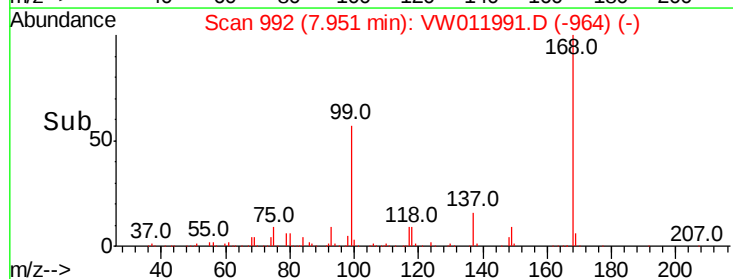
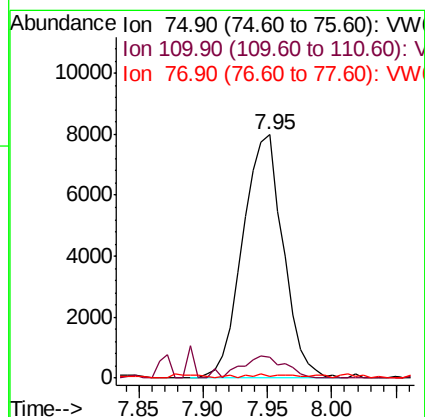
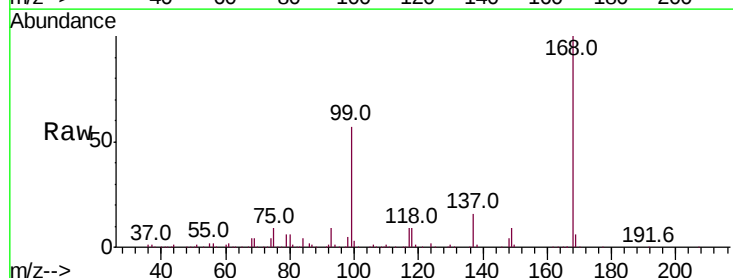
Instrument :
MSVOA_W
ClientSampleId :

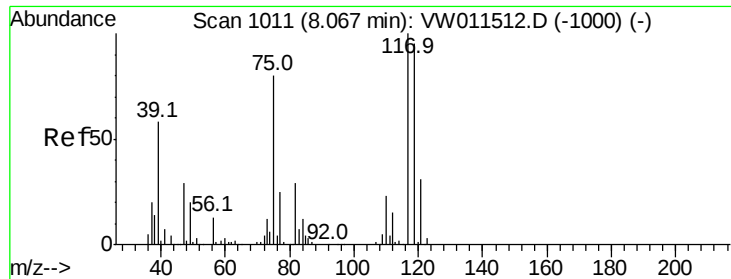
Tot Ion:113 Resp: 110800
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 20.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.13 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

Tgt Ion: 75 Resp: 17352
Ion Ratio Lower Upper
75 100
110 10.2 15.6 46.8#
77 0.7 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.563 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Instrument :
MSVOA_W
ClientSampled :

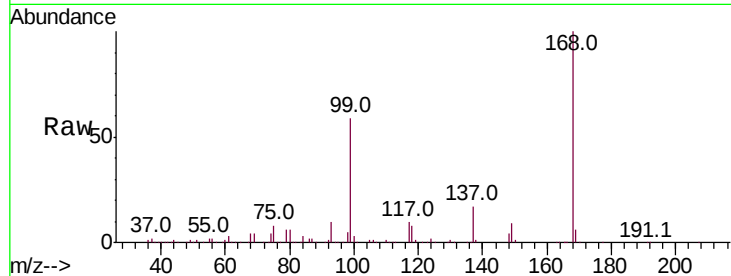
Tot Ion:117 Resp: 20725

Ion Ratio Lower Upper

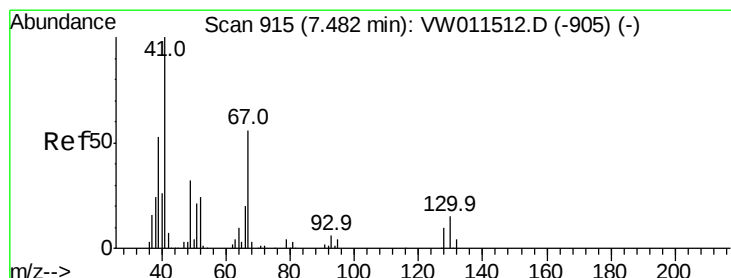
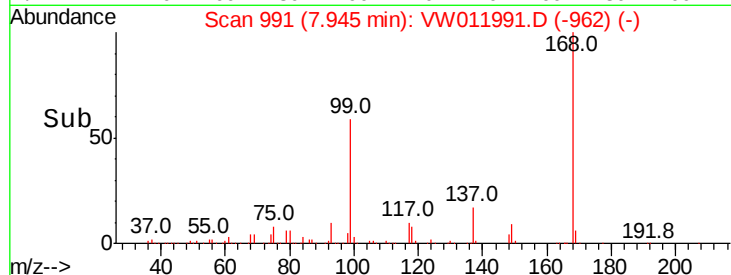
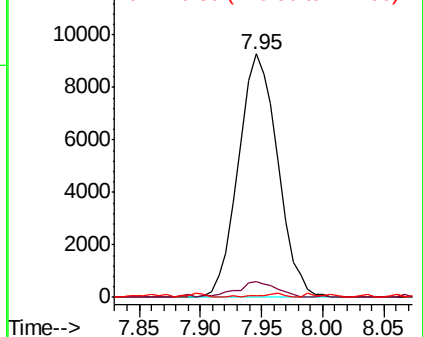
117 100

119 6.3 75.8 113.6#

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



#41

Methacrylonitrile

Concen: 2.469 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Tgt Ion: 41 Resp: 3133

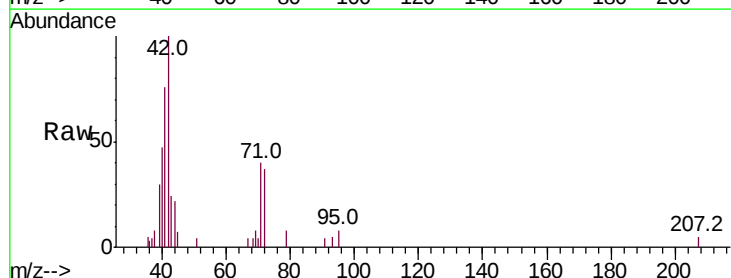
Ion Ratio Lower Upper

41 100

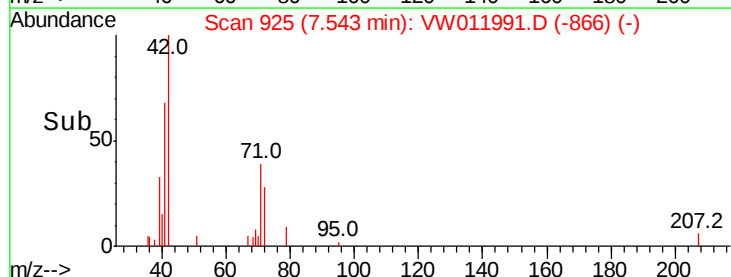
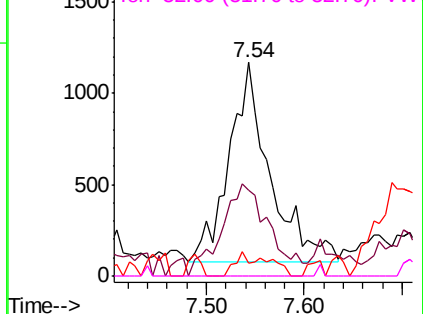
39 54.1 43.0 64.4

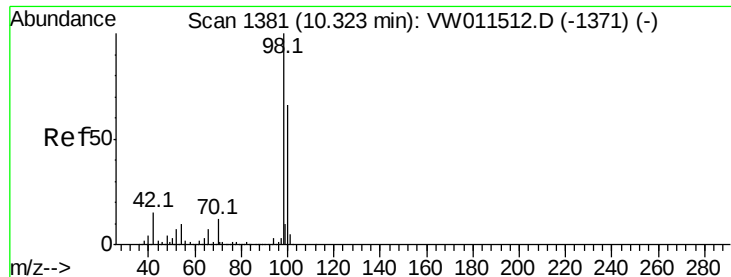
67 4.8 47.5 71.3#

52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 47.097 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Instrument :

MSVOA_W

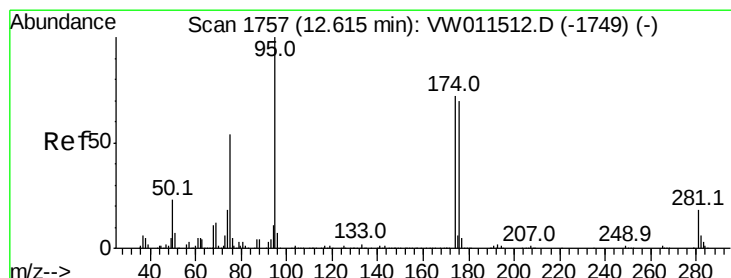
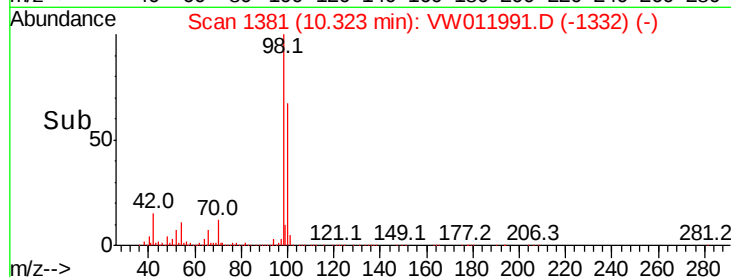
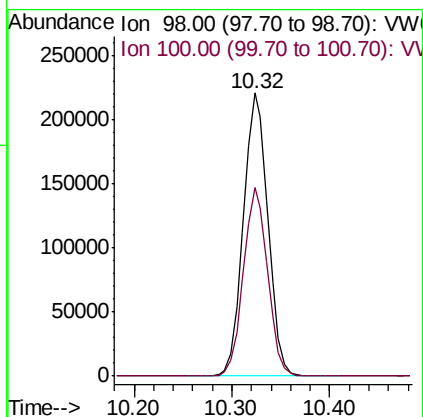
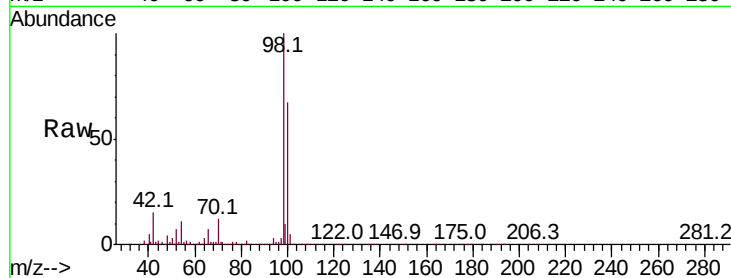
ClientSampleId :

Tot Ion: 98 Resp: 383806

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 36.964 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

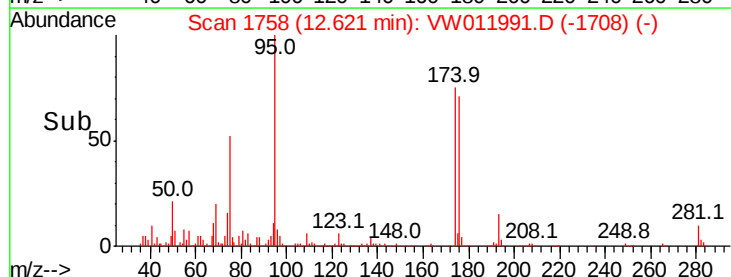
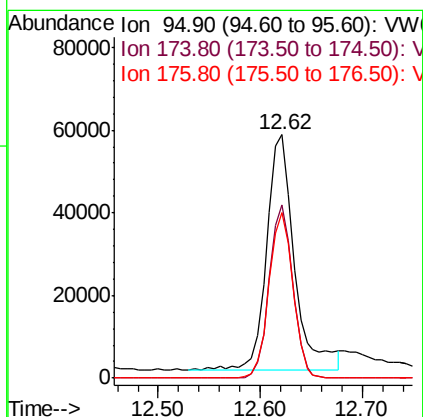
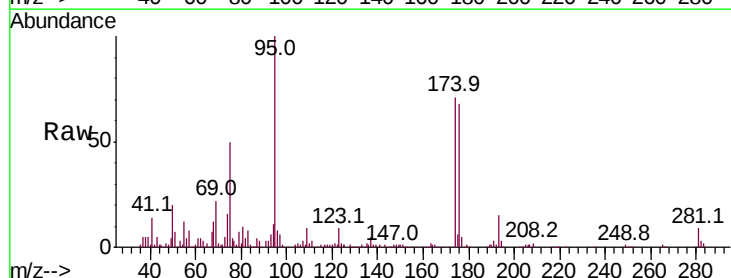
Tgt Ion: 95 Resp: 107394

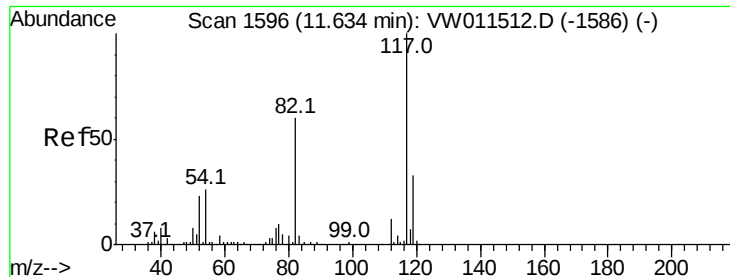
Ion Ratio Lower Upper

95 100

174 62.3 0.0 150.2

176 60.1 0.0 144.4

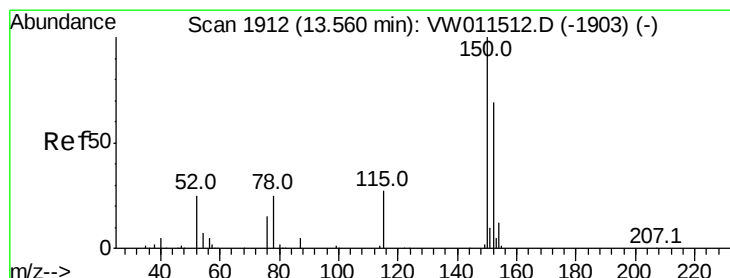
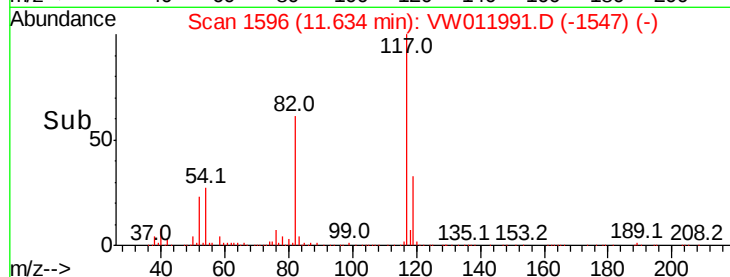
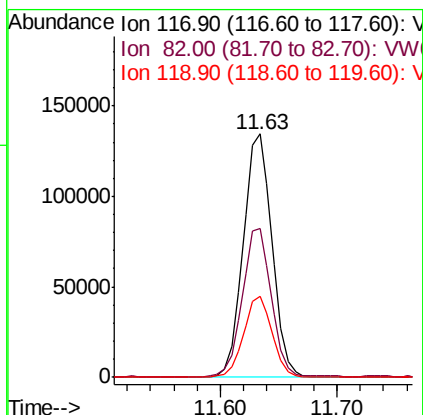
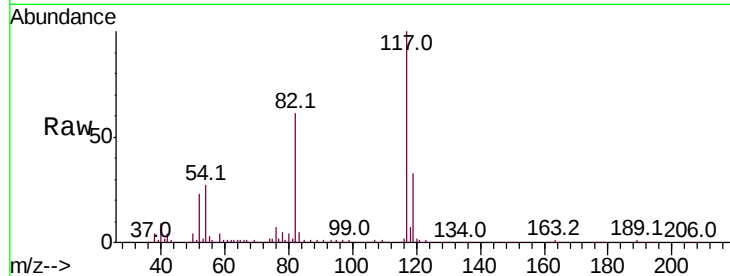




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

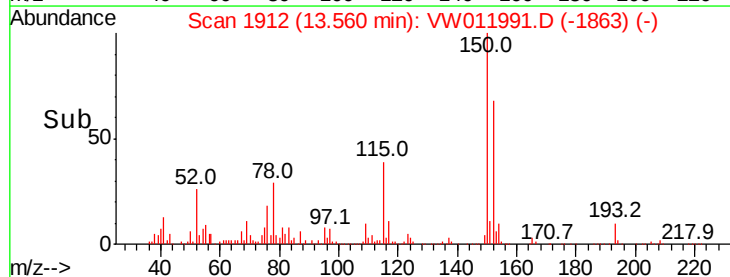
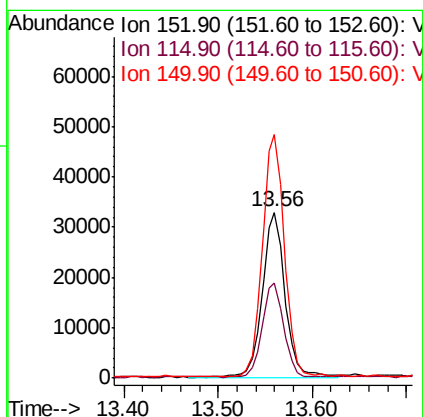
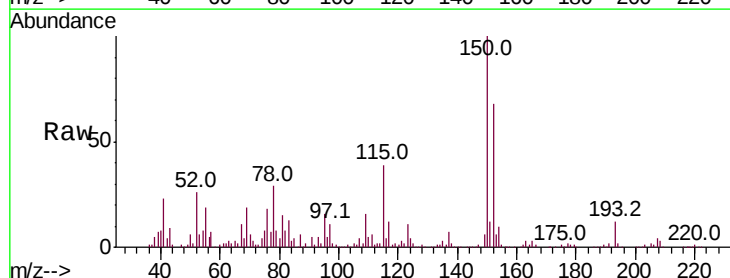
Instrument :
MSVOA_W
ClientSampleId :

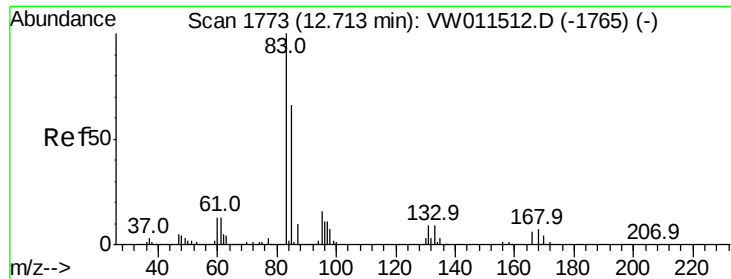
Tot Ion:117 Resp: 230916
Ion Ratio Lower Upper
117 100
82 60.7 47.9 71.9
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011991.D
Acq: 19 Aug 2019 15:06

Tgt Ion:152 Resp: 55696
Ion Ratio Lower Upper
152 100
115 54.4 30.5 91.5
150 141.4 0.0 352.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.607 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

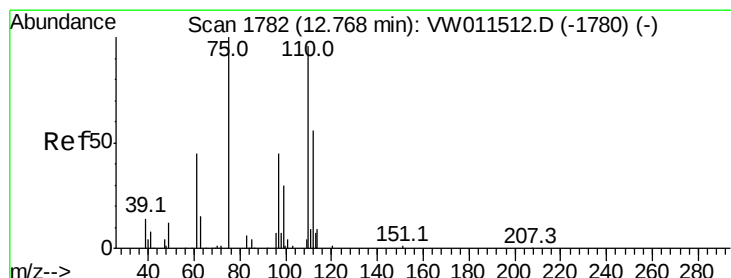
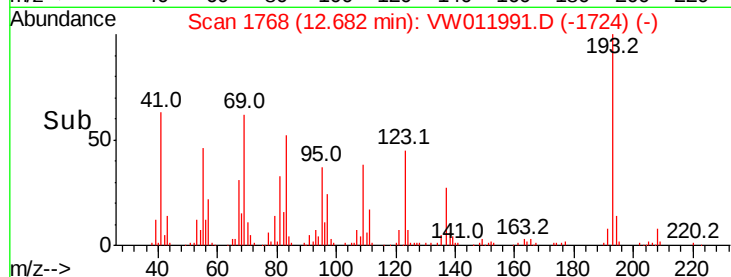
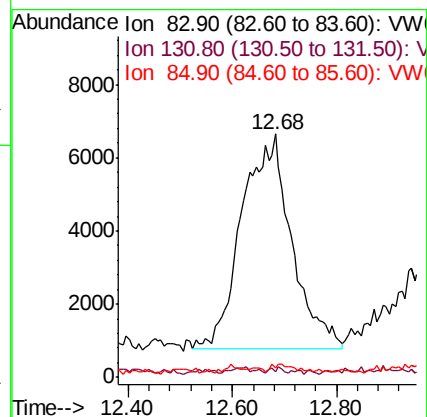
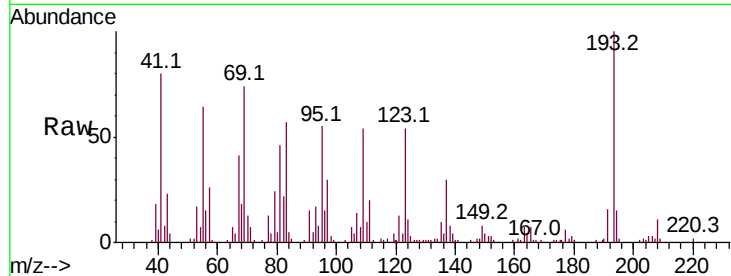
Tot Ion: 83 Resp: 38771

Ion Ratio Lower Upper

83 100

131 0.3 4.9 14.6#

85 1.1 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 81.478 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011991.D

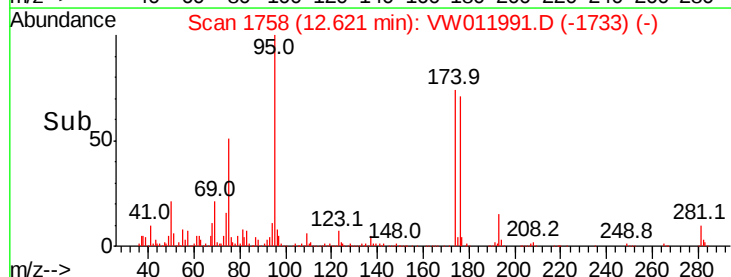
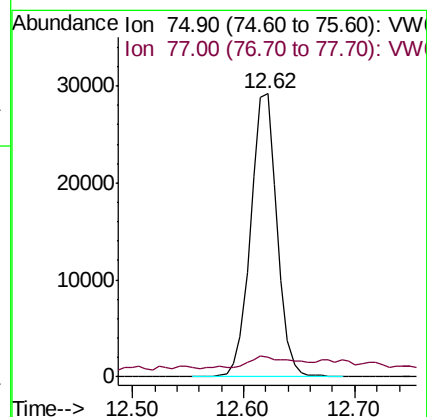
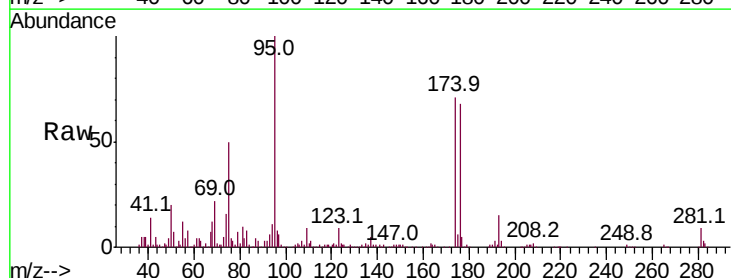
Acq: 19 Aug 2019 15:06

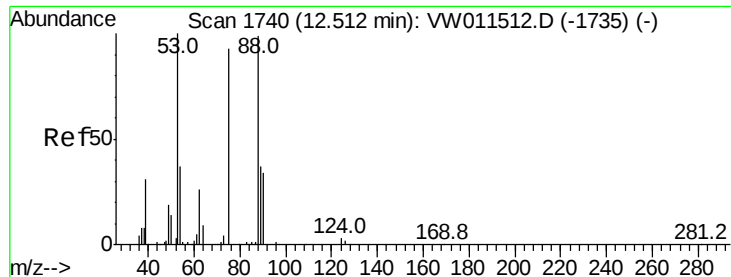
Tgt Ion: 75 Resp: 48017

Ion Ratio Lower Upper

75 100

77 6.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 187.778 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

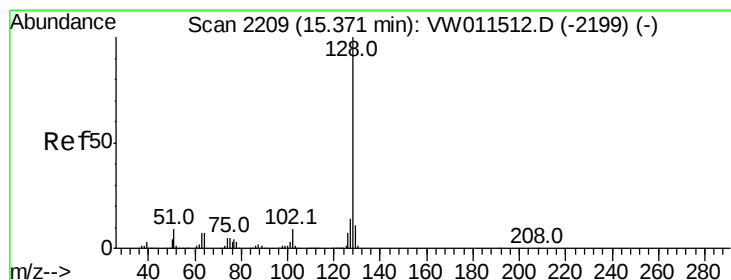
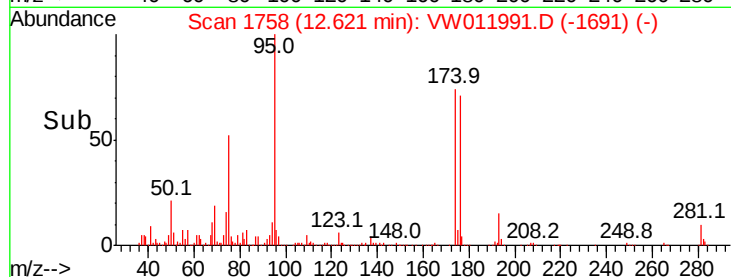
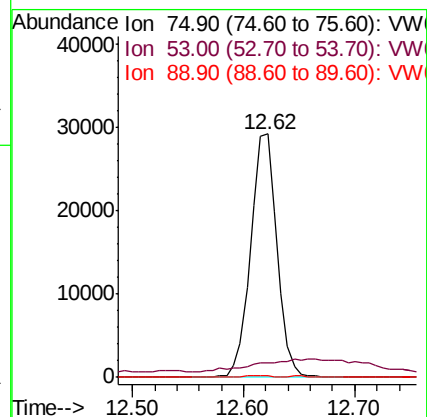
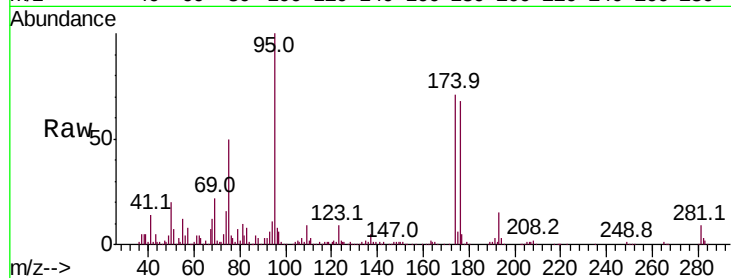
Tot Ion: 75 Resp: 48017

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.9 35.3 52.9#



#95

Naphthalene

Concen: 2.366 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011991.D

Acq: 19 Aug 2019 15:06

Tgt Ion: 128 Resp: 689

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 20.3 8.6 13.0#

