

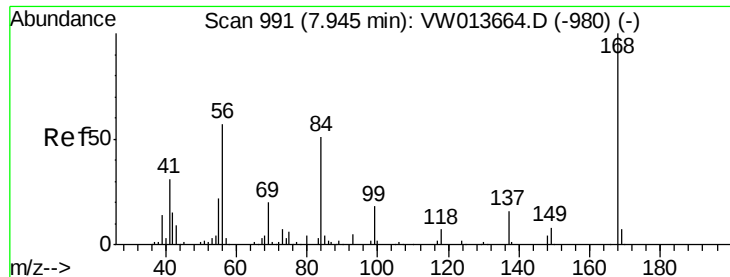
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013681.D
 Acq On : 23 Oct 2019 21:25
 Operator : SY/VA
 Sample : K5485-10
 Misc : 8.38G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	115182	55.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.52%	
35) Dibromofluoromethane	7.88	113	124903	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
50) Toluene-d8	10.32	98	489367	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.62	95	153638	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	278	2.234	ug/l #	71
16) Acetone	4.15	43	9401	21.273	ug/l	99
20) Methylene Chloride	4.92	84	7432	Below Cal	#	86
36) 1,1-Dichloropropene	7.95	75	17585	4.448	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24521	6.888	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2289	1.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	71695	62.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71695	118.177	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

Instrument :

MSVOA_W

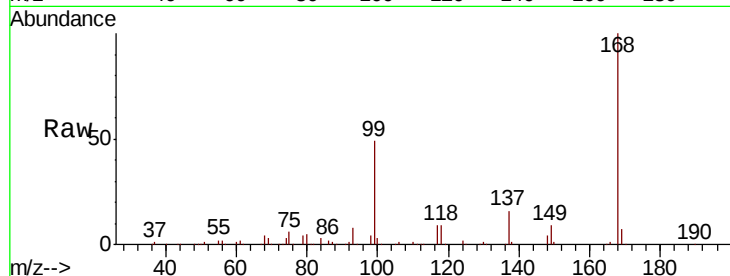
ClientSampleId :

Tot Ion:168 Resp: 277834

Ion Ratio Lower Upper

168 100

99 49.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

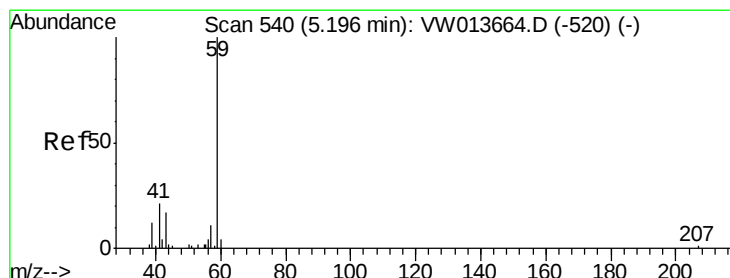
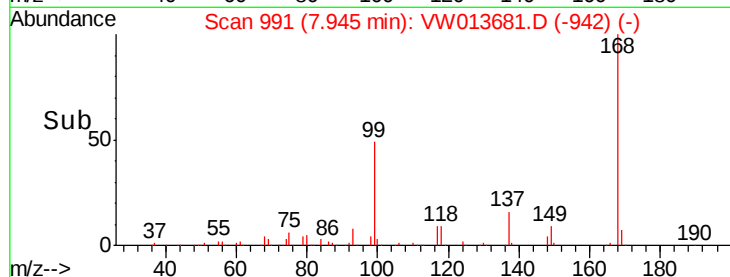
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.234 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.02 min

Lab File: VW013681.D

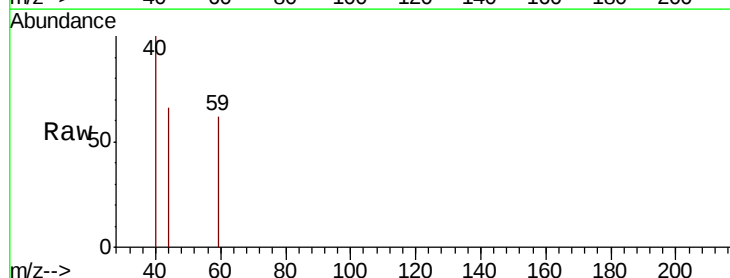
Acq: 23 Oct 2019 21:25

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

200

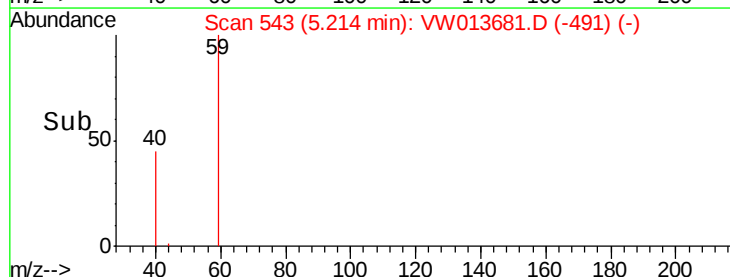
150

100

50

0

Time--> 5.18 5.20 5.22 5.24





#16

Acetone

Concen: 21.273 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

Instrument :

MSVOA_W

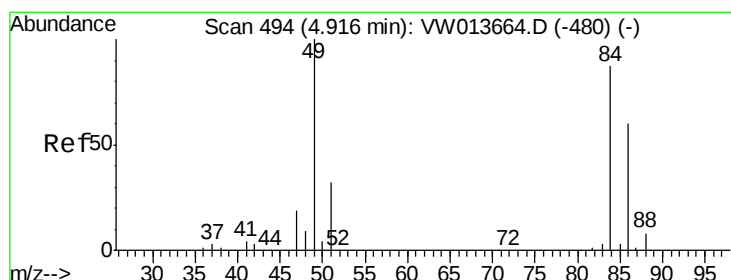
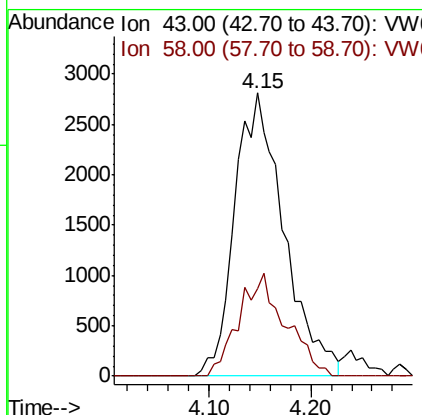
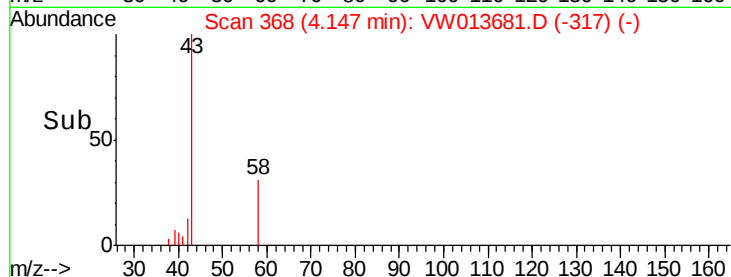
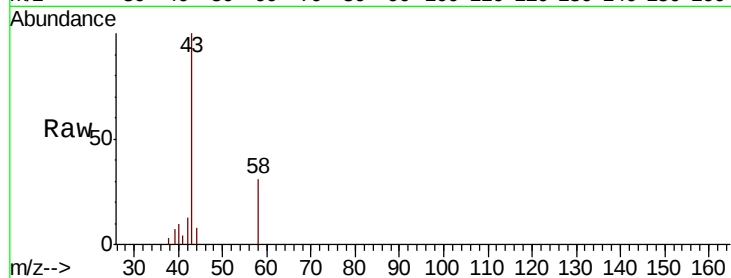
ClientSampleId :

Tot Ion: 43 Resp: 9401

Ion Ratio Lower Upper

43 100

58 30.7 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

Tgt Ion: 84 Resp: 7432

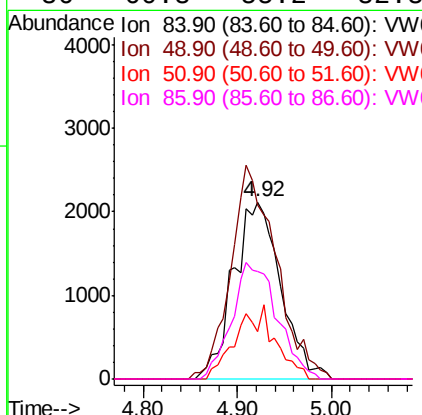
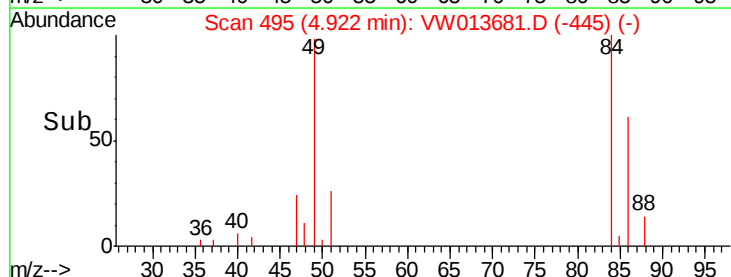
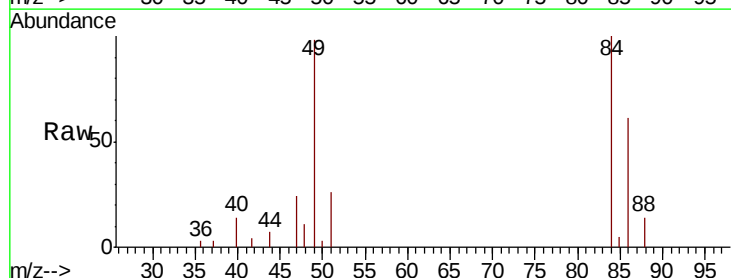
Ion Ratio Lower Upper

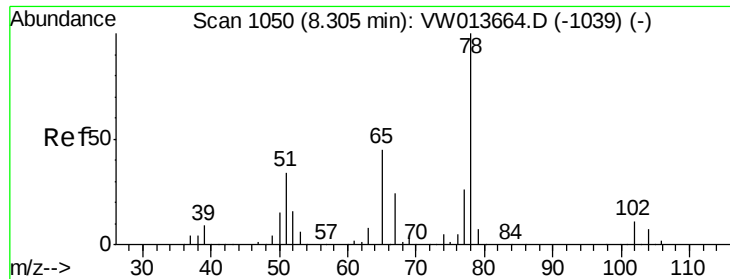
84 100

49 98.5 91.8 137.6

51 26.4 29.8 44.6#

86 60.8 55.2 82.8

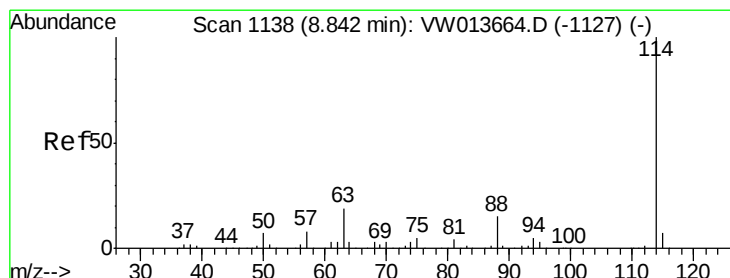
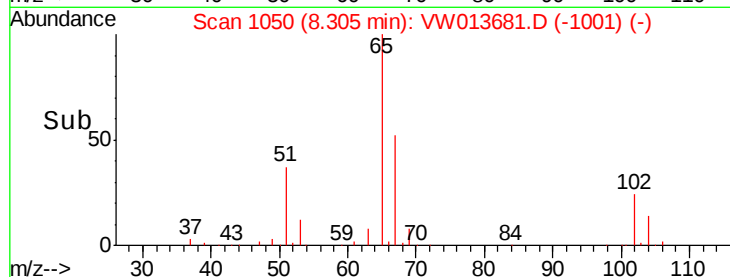
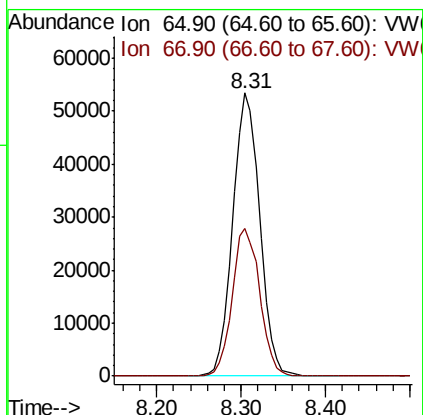
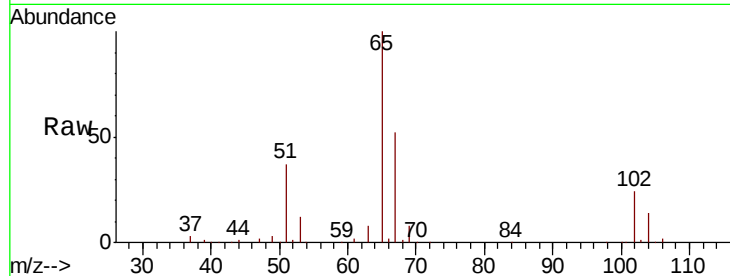




#33
 1,2-Dichloroethane-d4
 Concen: 55.264 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013681.D
 Acq: 23 Oct 2019 21:25

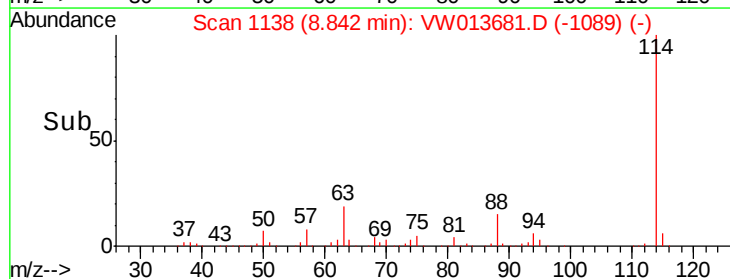
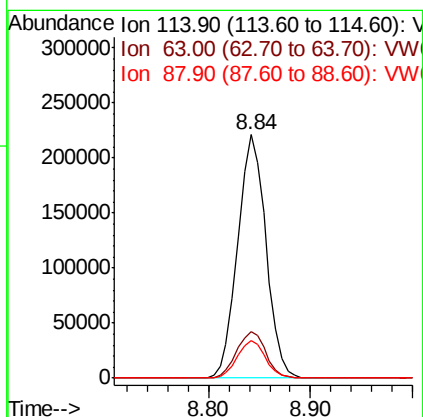
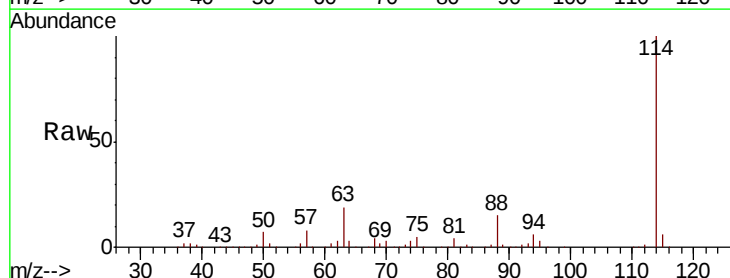
Instrument :
 MSVOA_W
 ClientSampleId :

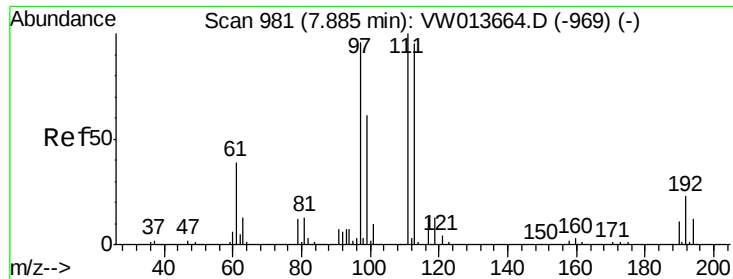
Tot Ion: 65 Resp: 115182
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013681.D
 Acq: 23 Oct 2019 21:25

Tgt Ion: 114 Resp: 424473
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.2 0.0 30.2

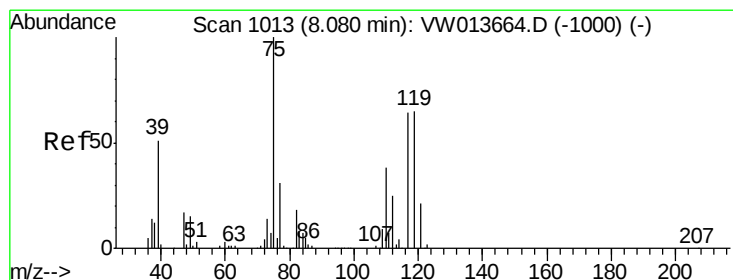
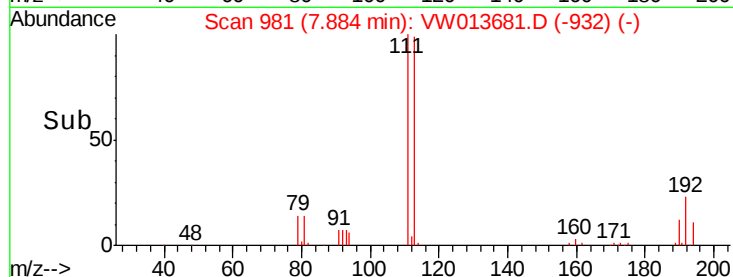
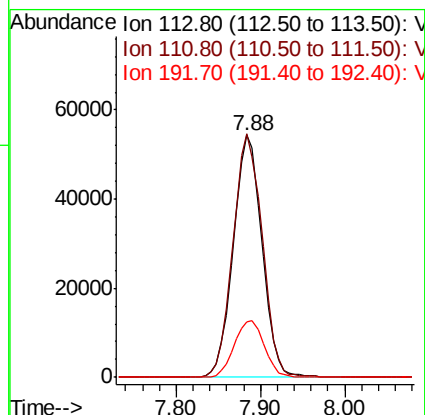
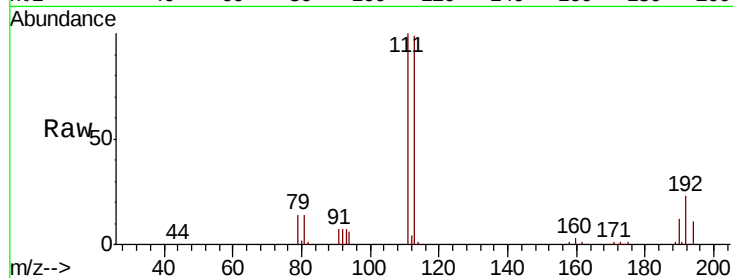




#35
 Dibromofluoromethane
 Concen: 52.956 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013681.D
 Acq: 23 Oct 2019 21:25

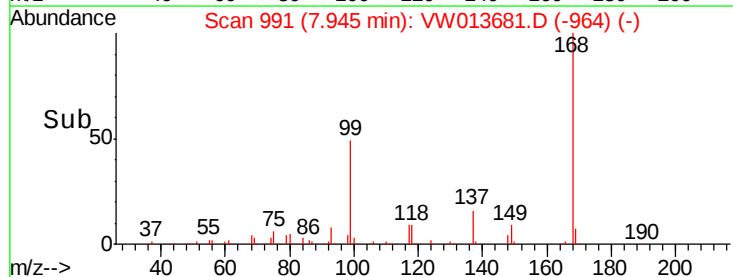
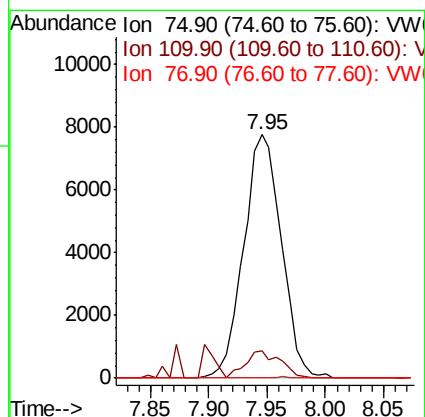
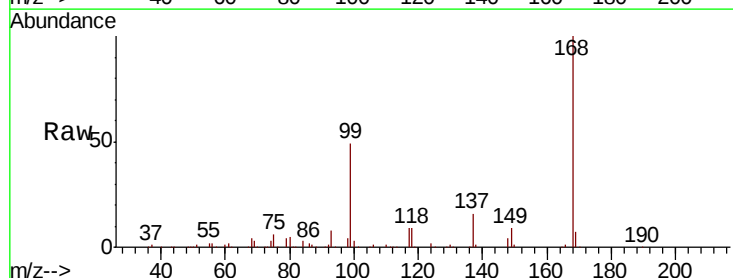
Instrument :
 MSVOA_W
 ClientSampleId :

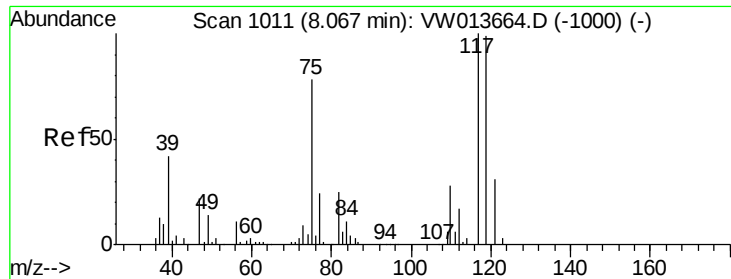
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	24.4	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 4.448 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013681.D
 Acq: 23 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.7	56.1#
77	0.1	25.4	38.0#

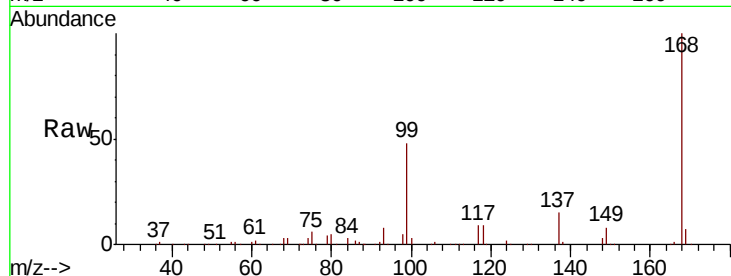




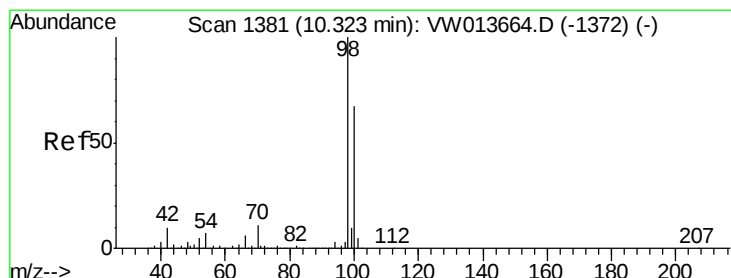
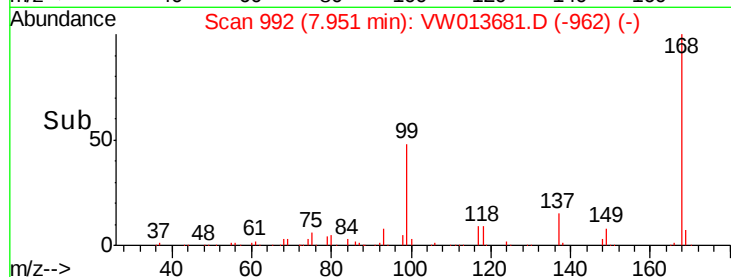
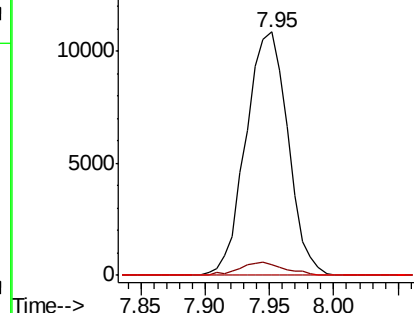
#38
Carbon Tetrachloride
Concen: 6.888 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW013681.D
Acq: 23 Oct 2019 21:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 24521
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.4#
121 0.0 24.5 36.7#

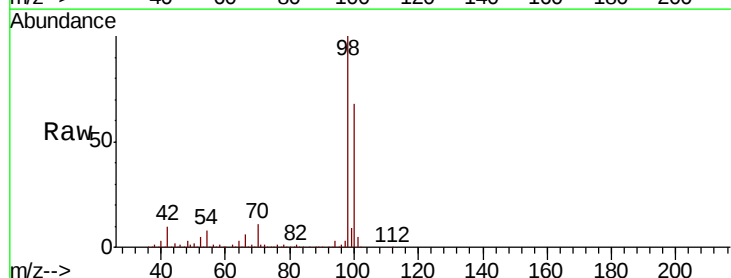


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

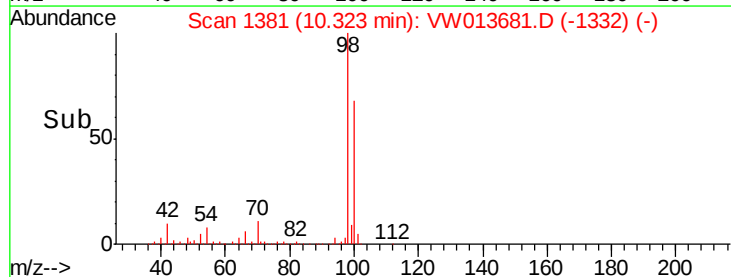
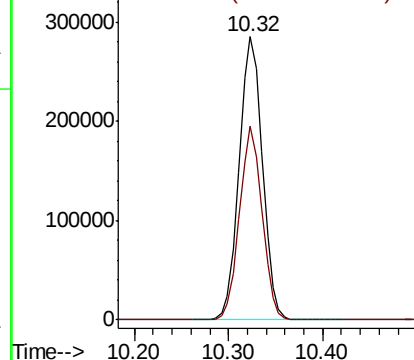


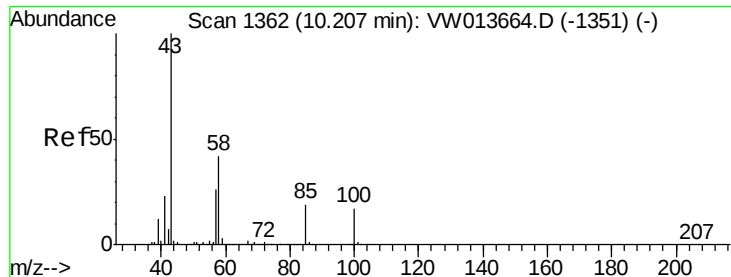
#50
Toluene-d8
Concen: 50.919 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013681.D
Acq: 23 Oct 2019 21:25

Tgt Ion: 98 Resp: 489367
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

Instrument :

MSVOA_W

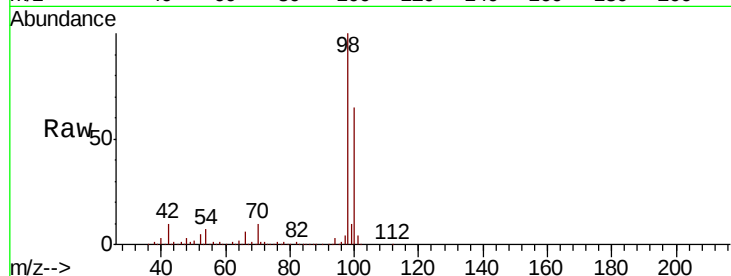
ClientSampleId :

Tot Ion: 43 Resp: 2289

Ion Ratio Lower Upper

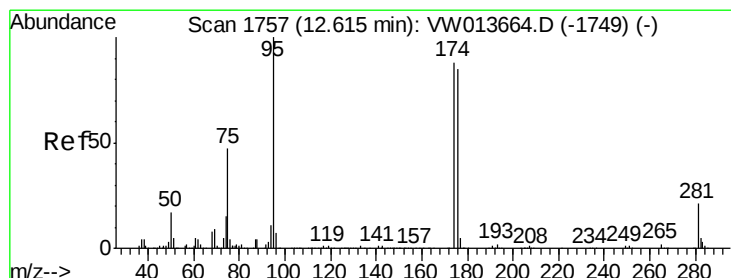
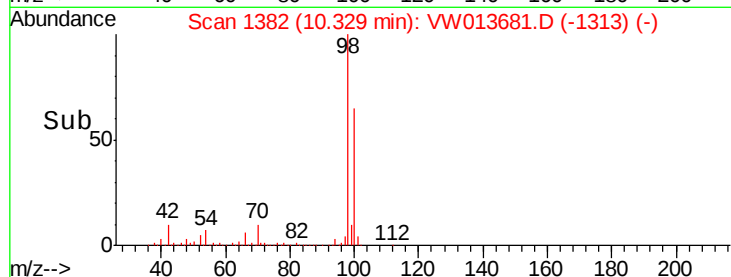
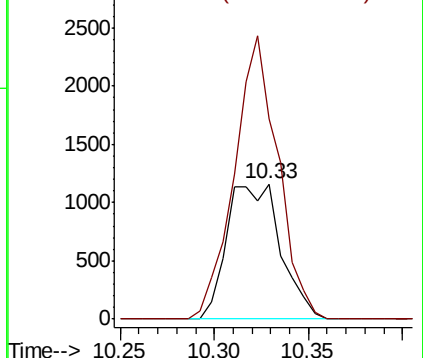
43 100

58 170.2 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 47.212 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

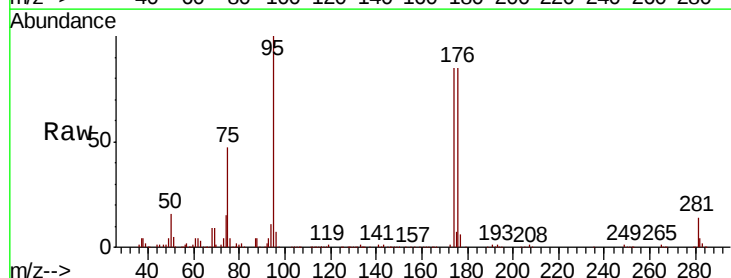
Tgt Ion: 95 Resp: 153638

Ion Ratio Lower Upper

95 100

174 90.7 0.0 183.6

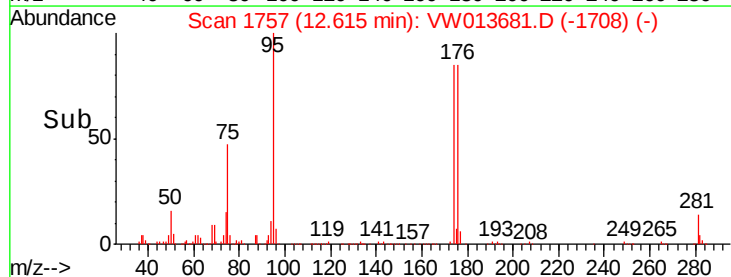
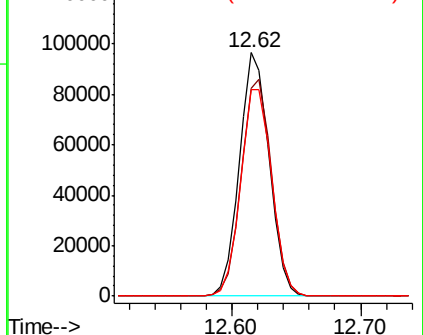
176 89.1 0.0 178.0

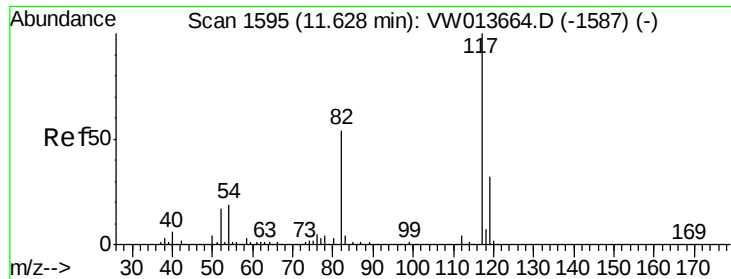


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

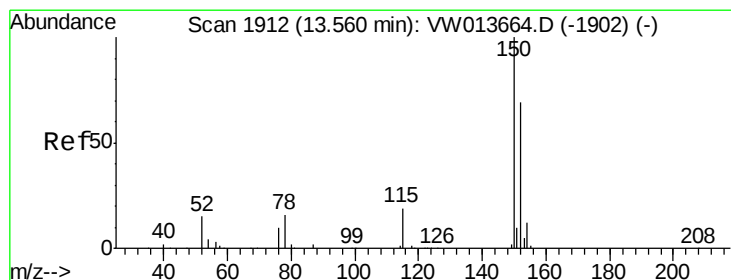
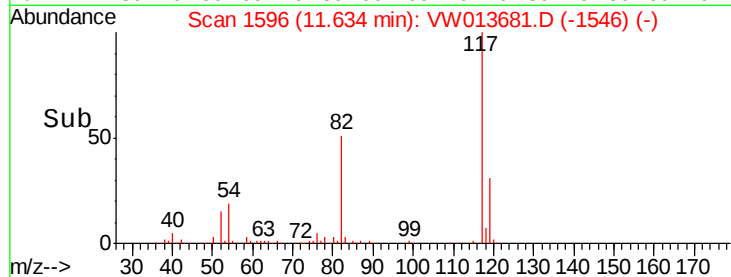
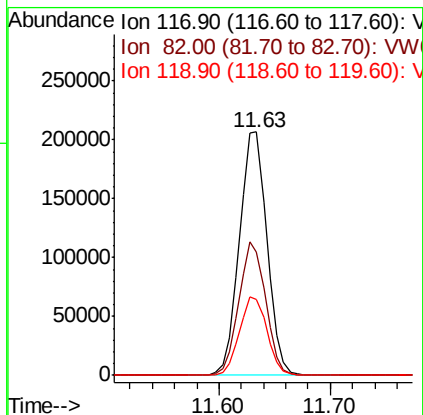
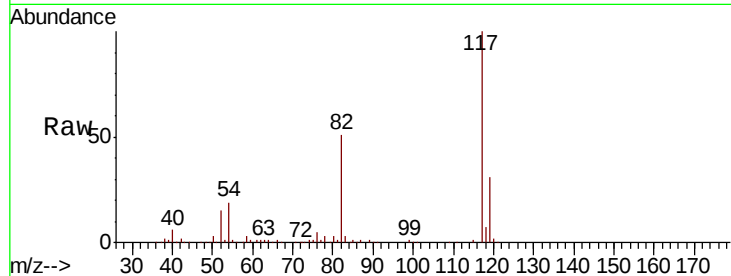




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013681.D
Acq: 23 Oct 2019 21:25

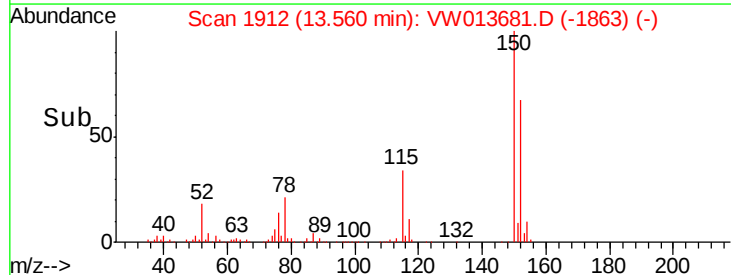
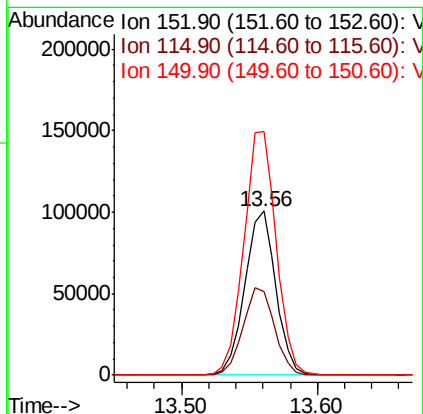
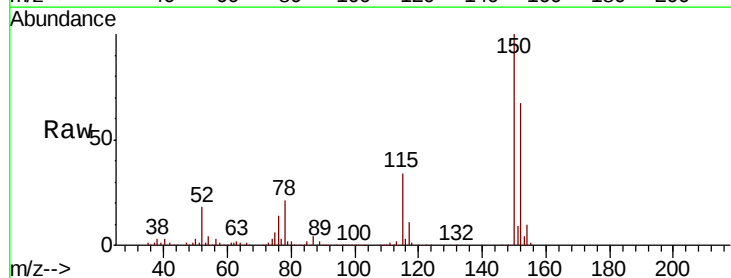
Instrument :
MSVOA_W
ClientSampled :

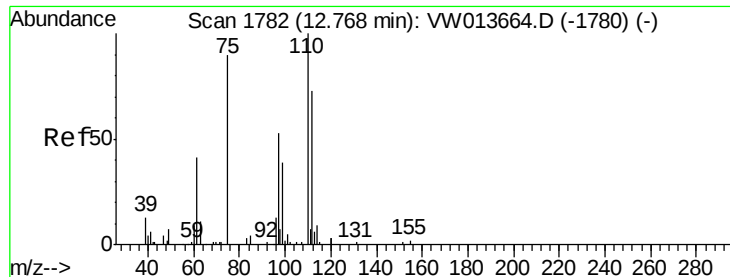
Tot Ion:117 Resp: 356157
Ion Ratio Lower Upper
117 100
82 50.8 43.6 65.4
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013681.D
Acq: 23 Oct 2019 21:25

Tgt Ion:152 Resp: 159653
Ion Ratio Lower Upper
152 100
115 54.4 27.4 82.2
150 155.8 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 62.532 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

Instrument :

MSVOA_W

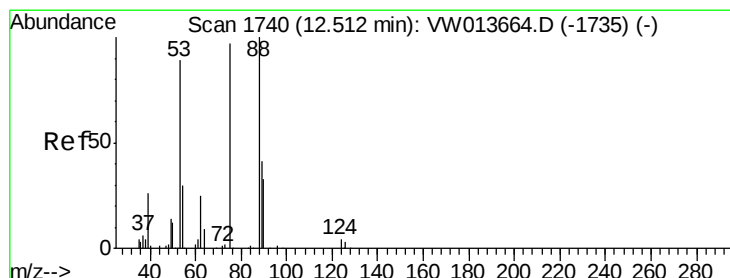
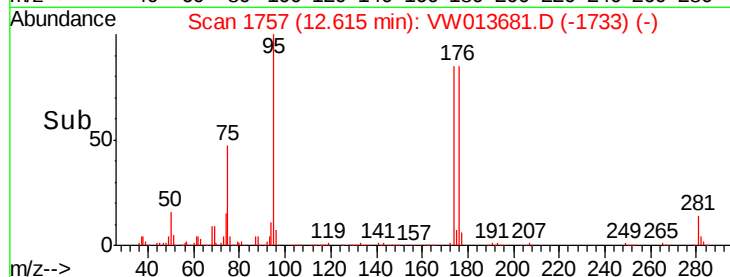
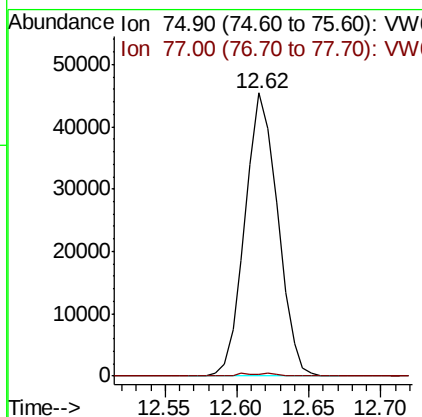
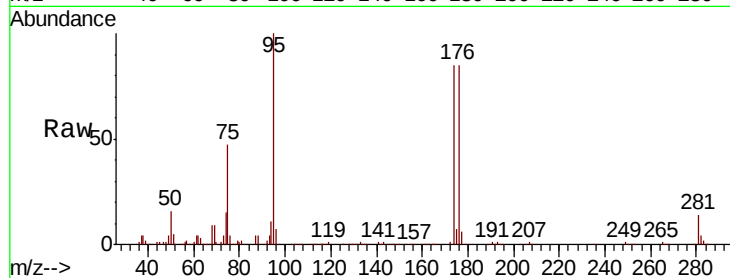
ClientSampled :

Tot Ion: 75 Resp: 71695

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.177 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013681.D

Acq: 23 Oct 2019 21:25

Tgt Ion: 75 Resp: 71695

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.1 35.8 53.8#

