

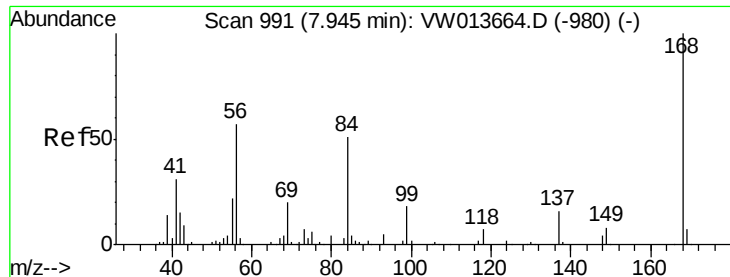
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013674.D
 Acq On : 23 Oct 2019 18:24
 Operator : SY/VA
 Sample : K5501-14
 Misc : 6.06G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:27:08 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	289559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	120126	55.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.60%	
35) Dibromofluoromethane	7.88	113	125912	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
50) Toluene-d8	10.32	98	496751	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.61	95	152840	45.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.68%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	1118	2.427	ug/l #	67
20) Methylene Chloride	4.92	84	11896	Below Cal		91
28) Bromochloromethane	7.68	49	49	1.369	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	18227	4.451	ug/l #	47
38) Carbon Tetrachloride	7.95	117	25013	6.783	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2167	1.453	ug/l #	1
76) 1,2,3-Trichloropropane	12.61	75	71900	62.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	71900	117.599	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: VW013674.D

Acq: 23 Oct 2019 18:24

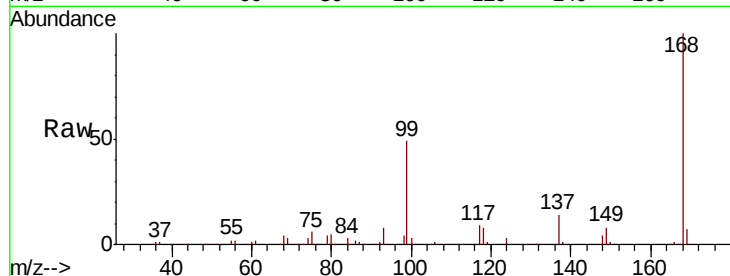
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 289559

Ion Ratio Lower Upper

168 100

99 48.9 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

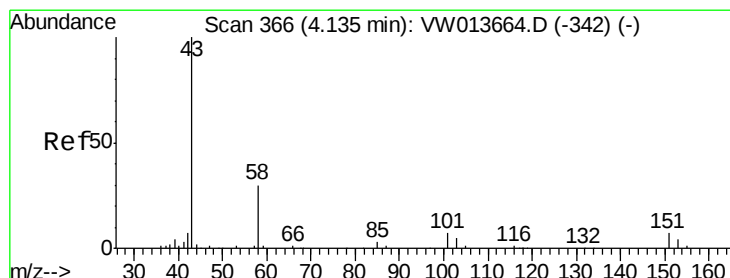
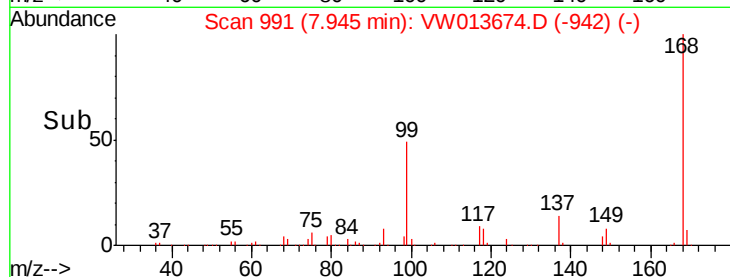
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.427 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.02 min

Lab File: VW013674.D

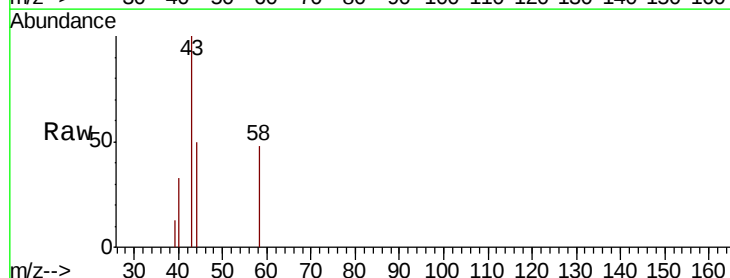
Acq: 23 Oct 2019 18:24

Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 47.8 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

500

400

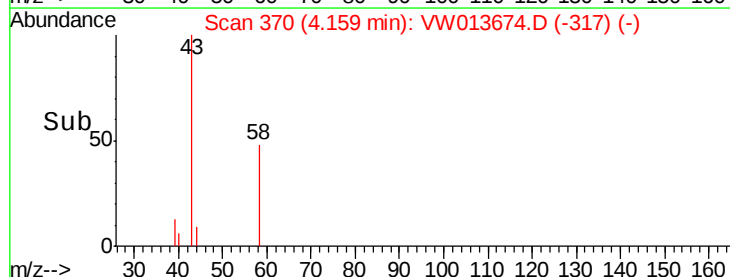
300

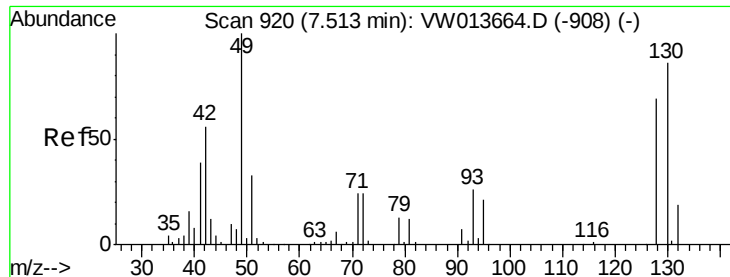
200

100

0

Time--> 4.10 4.15





#28

Bromochloromethane

Concen: 1.369 ug/l

RT: 7.68 min Scan# 948

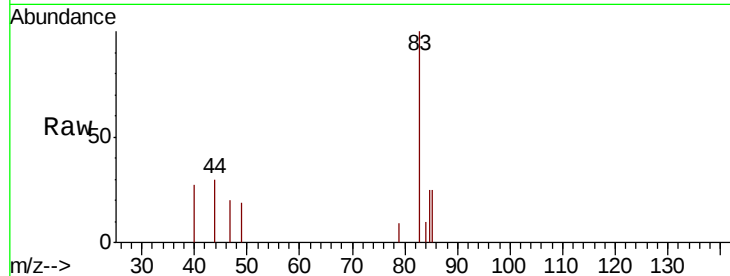
Delta R.T. 0.17 min

Lab File: VW013674.D

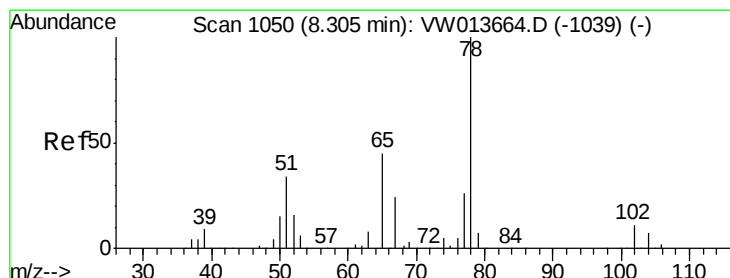
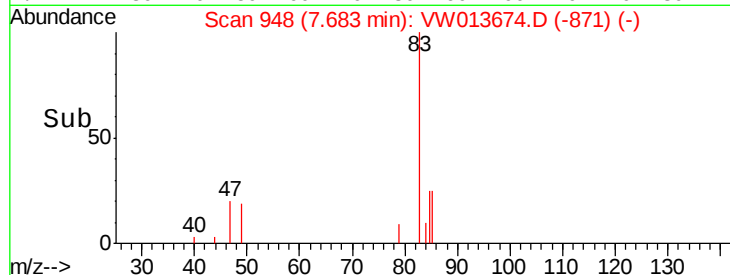
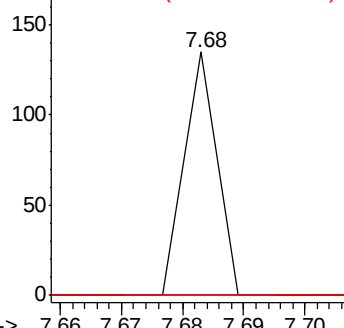
Acq: 23 Oct 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 49 Resp: 49
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 55.302 ug/l

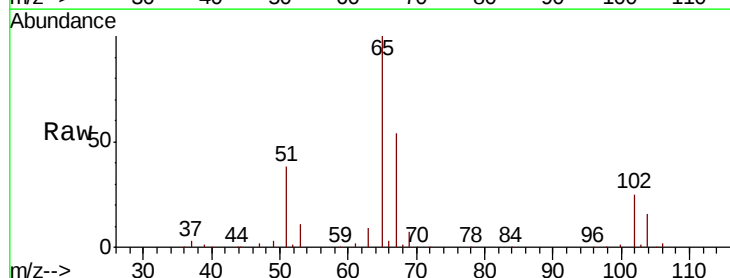
RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

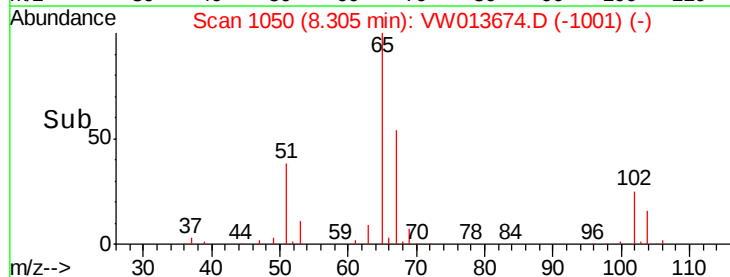
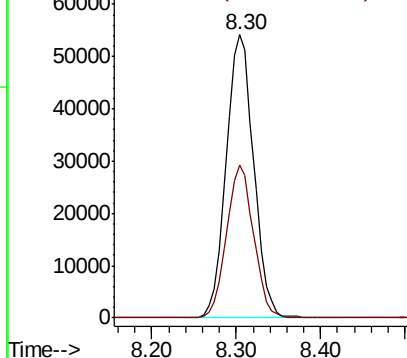
Lab File: VW013674.D

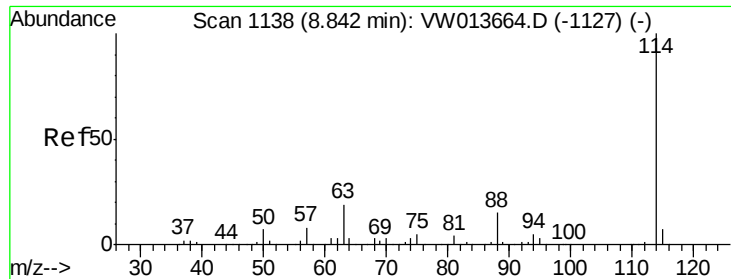
Acq: 23 Oct 2019 18:24

Tgt Ion: 65 Resp: 120126
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

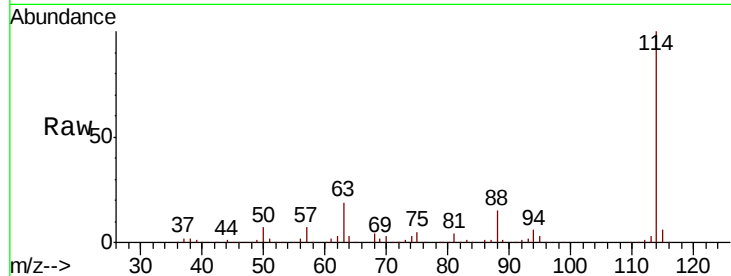




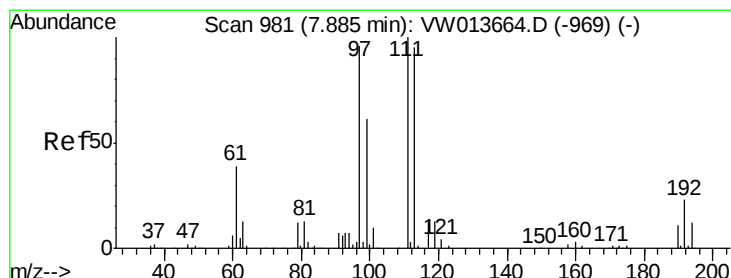
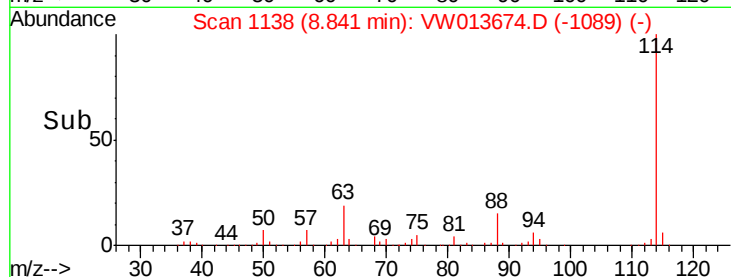
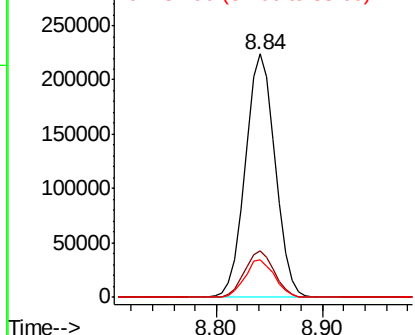
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013674.D
 Acq: 23 Oct 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 439686
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.6
 88 15.5 0.0 30.2

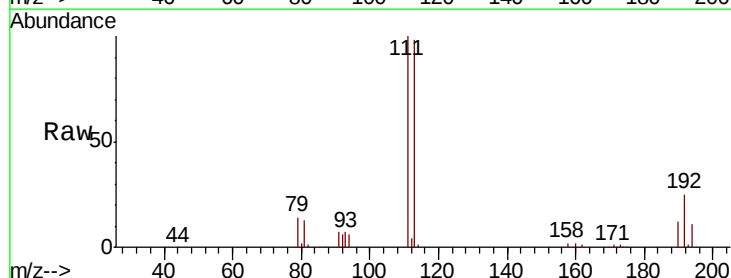


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

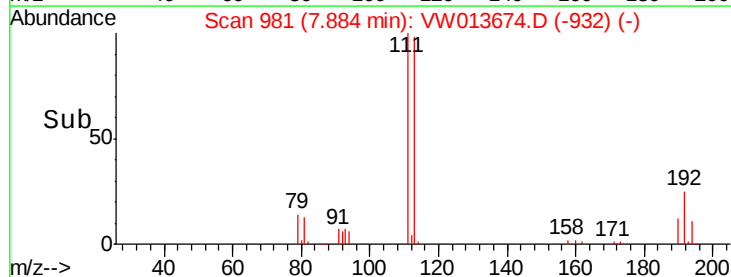
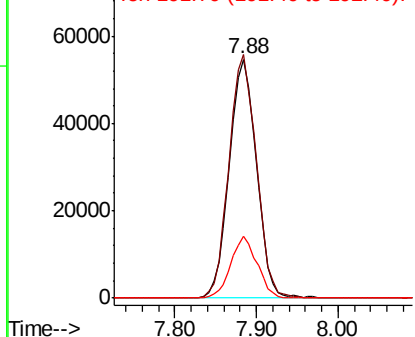


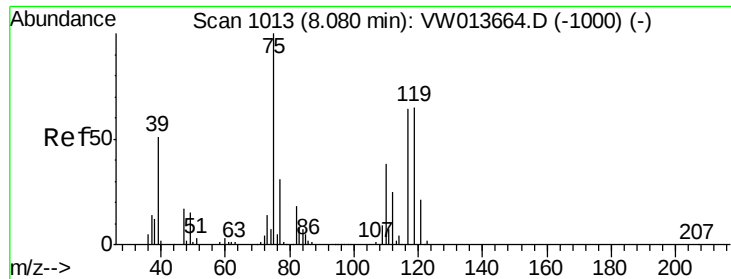
#35
 Dibromofluoromethane
 Concen: 51.537 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013674.D
 Acq: 23 Oct 2019 18:24

Tgt Ion:113 Resp: 125912
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.6
 192 25.0 19.4 29.2



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

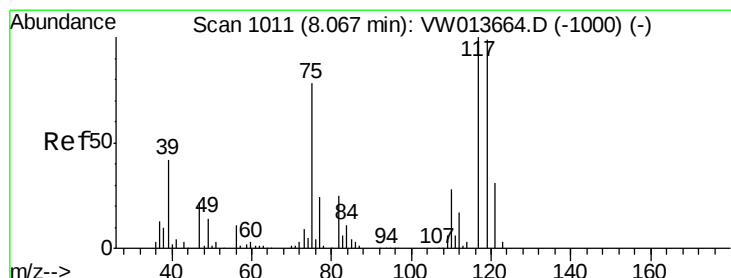
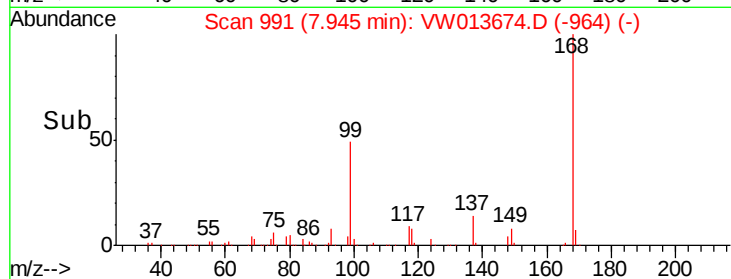
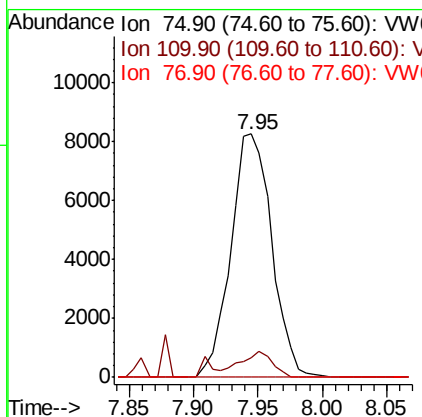
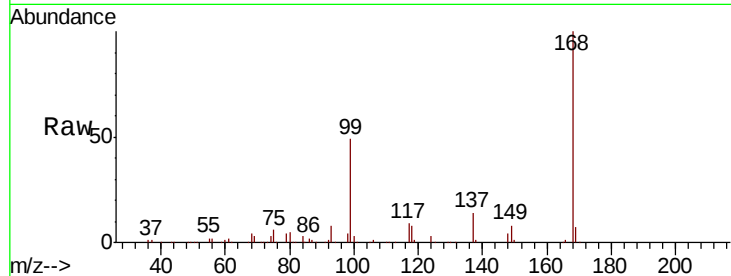




#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013674.D
 Acq: 23 Oct 2019 18:24

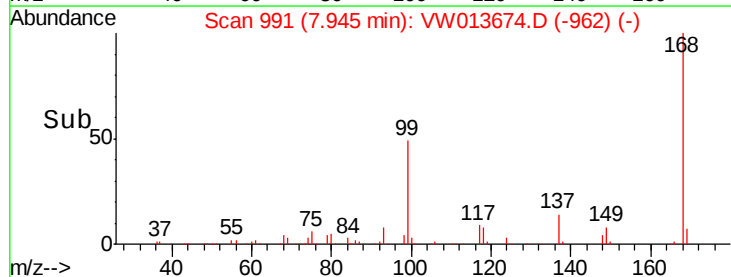
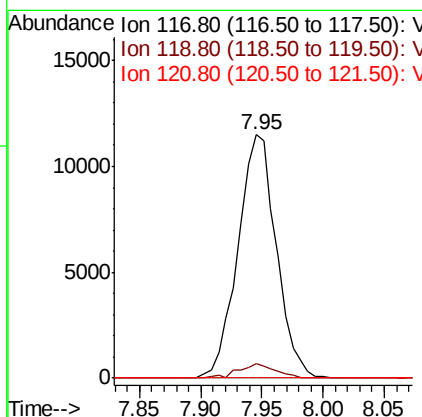
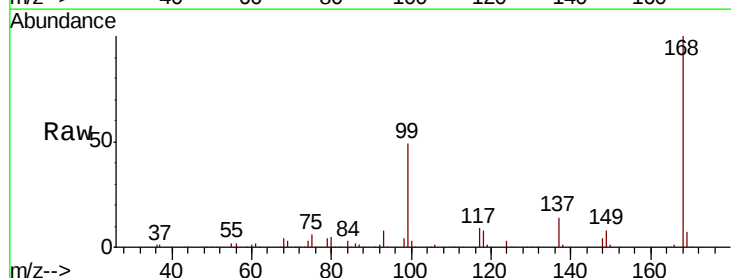
Instrument :
 MSVOA_W
 ClientSampled :

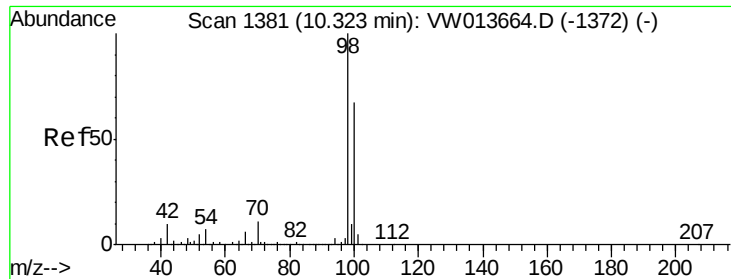
Tot Ion: 75 Resp: 18227
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.7 56.1#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.783 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013674.D
 Acq: 23 Oct 2019 18:24

Tgt Ion: 117 Resp: 25013
 Ion Ratio Lower Upper
 117 100
 119 6.0 79.0 118.4#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.899 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013674.D

Acq: 23 Oct 2019 18:24

Instrument :

MSVOA_W

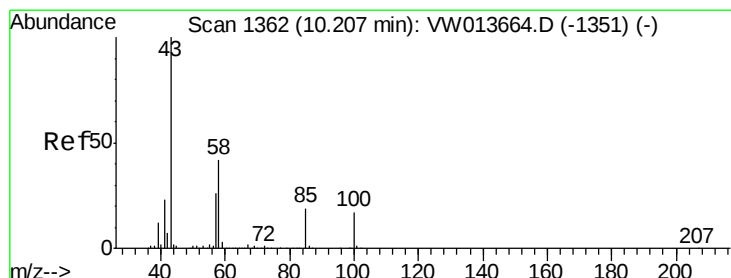
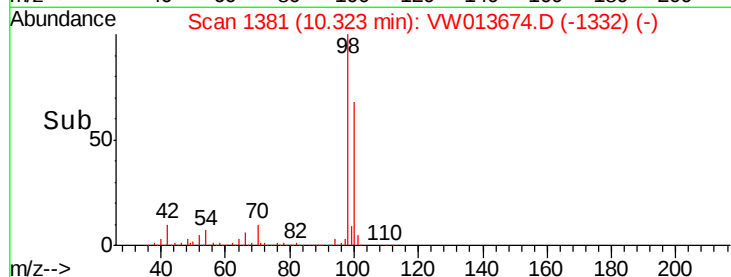
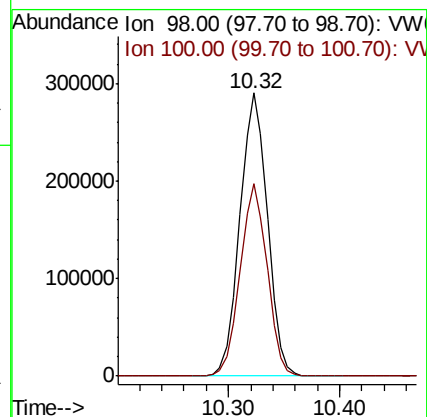
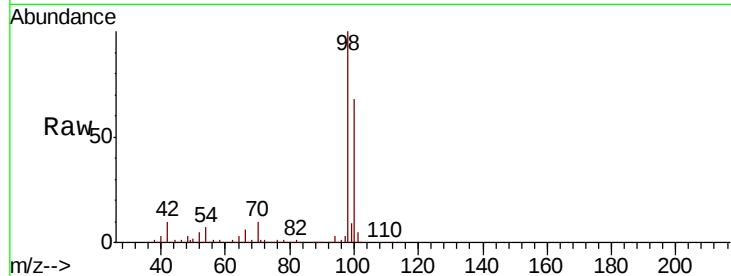
ClientSampleId :

Tot Ion: 98 Resp: 496751

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.453 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013674.D

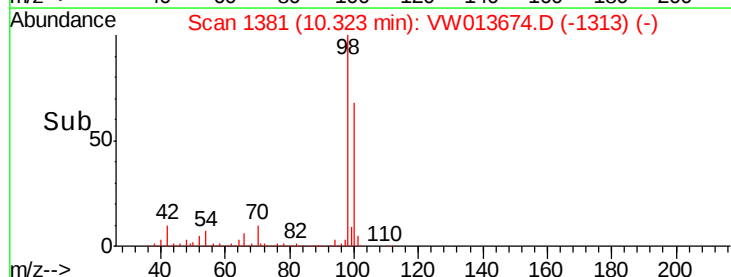
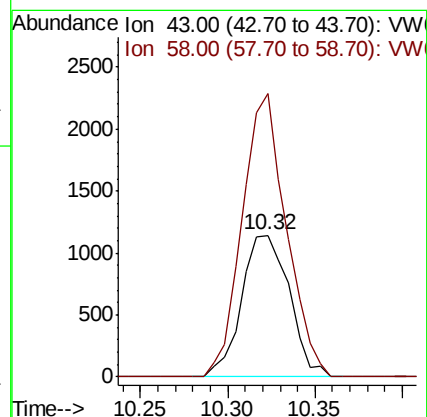
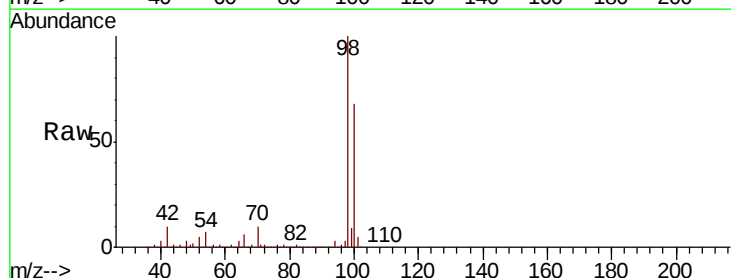
Acq: 23 Oct 2019 18:24

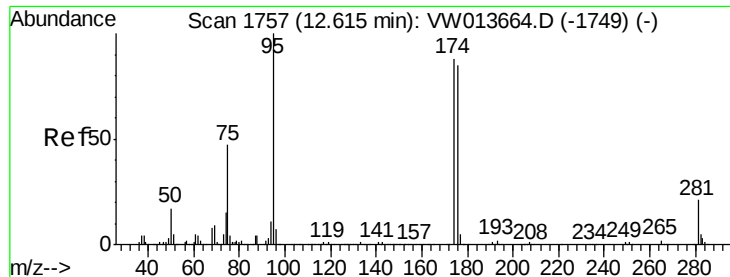
Tgt Ion: 43 Resp: 2167

Ion Ratio Lower Upper

43 100

58 184.8 32.6 49.0#





#62

4-Bromofluorobenzene

Concen: 45.342 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013674.D

Acq: 23 Oct 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

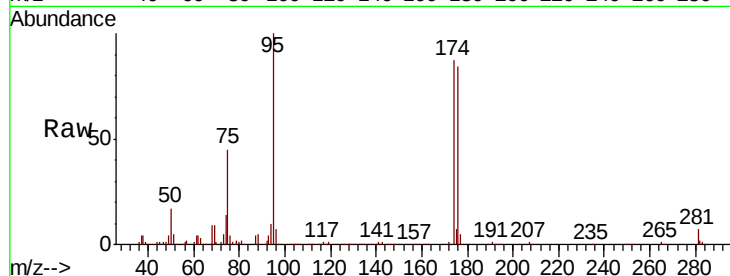
Tot Ion: 95 Resp: 152840

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.6

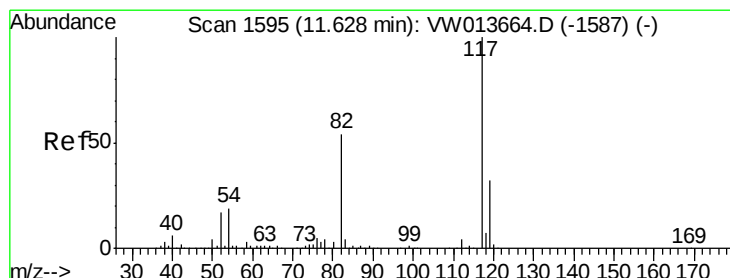
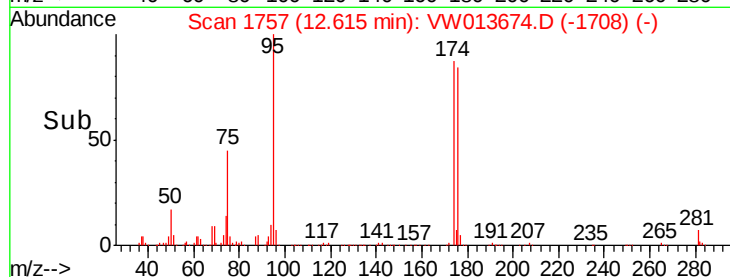
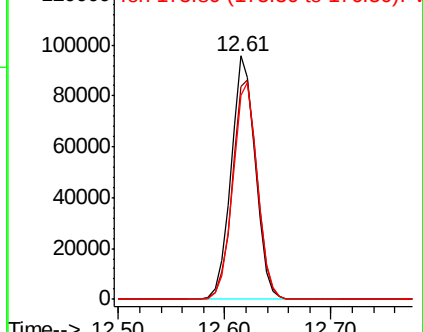
176 89.9 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013674.D

Acq: 23 Oct 2019 18:24

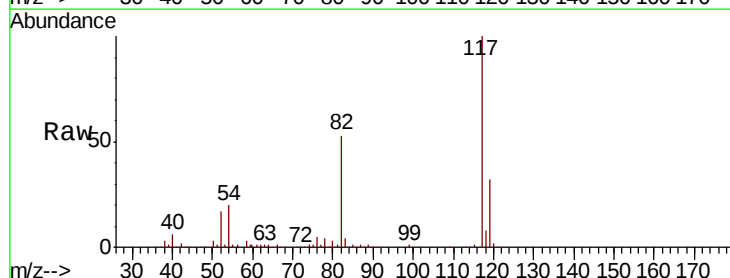
Tgt Ion: 117 Resp: 362998

Ion Ratio Lower Upper

117 100

82 52.5 43.6 65.4

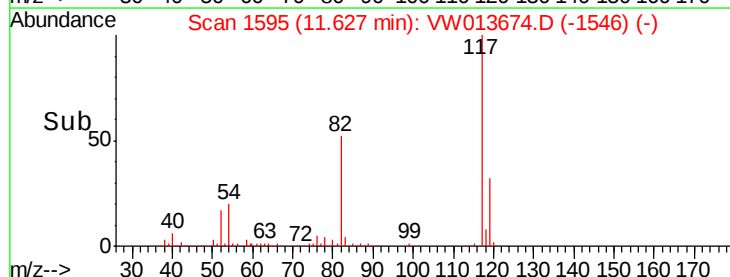
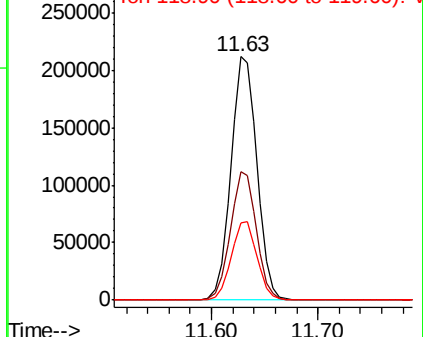
119 31.9 25.4 38.2

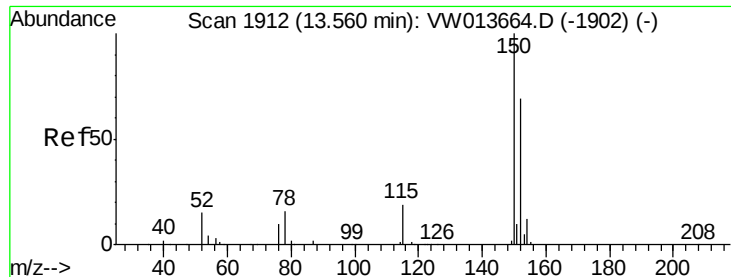


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013674.D

Acq: 23 Oct 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

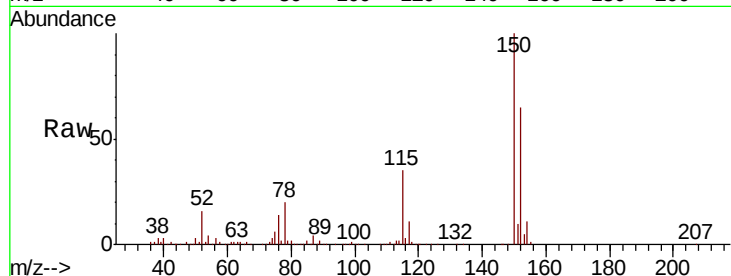
Tot Ion:152 Resp: 160896

Ion Ratio Lower Upper

152 100

115 54.0 27.4 82.2

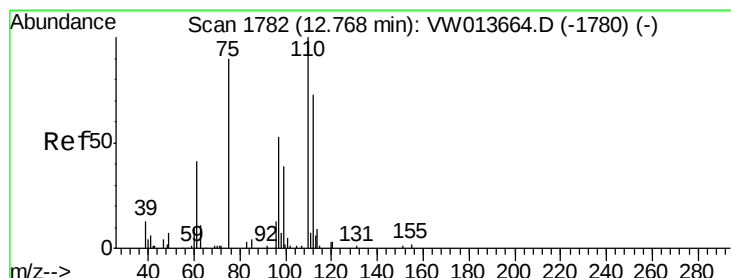
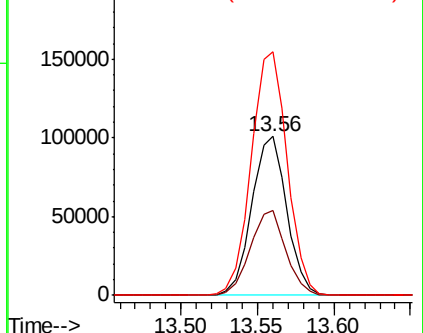
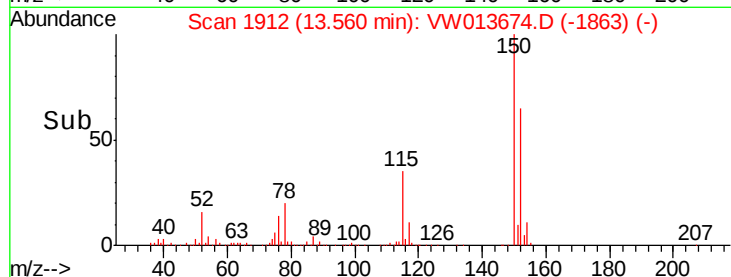
150 157.4 0.0 345.4



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: 62.226 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013674.D

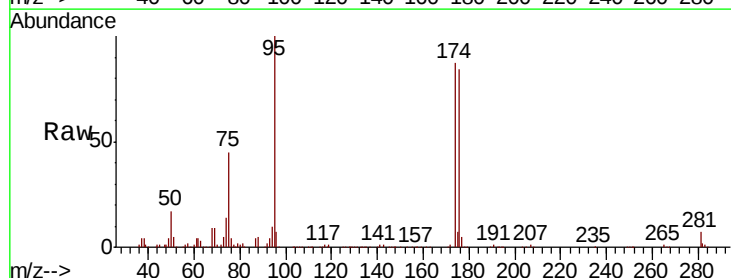
Acq: 23 Oct 2019 18:24

Tgt Ion: 75 Resp: 71900

Ion Ratio Lower Upper

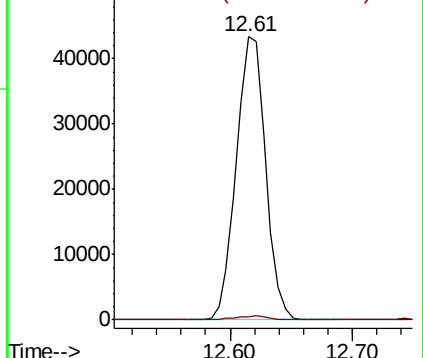
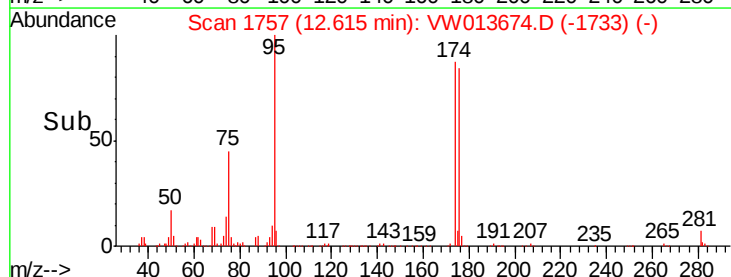
75 100

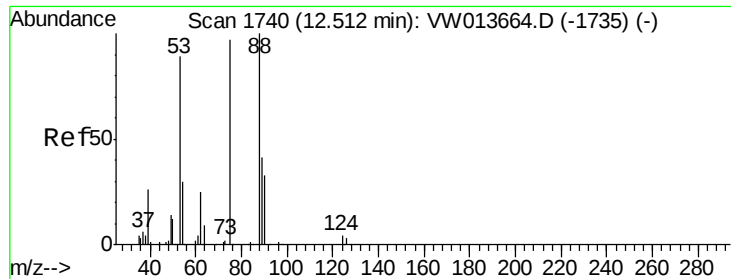
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 117.599 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013674.D

Acq: 23 Oct 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 71900

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#

