

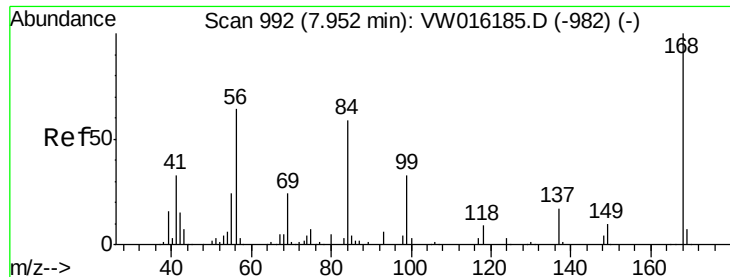
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016199.D
 Acq On : 14 Aug 2020 18:19
 Operator : SY/VA
 Sample : L3502-06
 Misc : 7.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-081320

Quant Time: Aug 17 08:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168379	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	127662	57.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.48%	
35) Dibromofluoromethane	7.88	113	129184	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
50) Toluene-d8	10.32	98	500859	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	178247	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	663	1.552	ug/l #	81
31) Cyclohexane	7.95	56	4661	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17875	4.318	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23706	5.738	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	1807	1.338	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84521	54.581	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	84521	130.920	ug/l #	12
95) Naphthalene	15.36	128	839	3.703	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

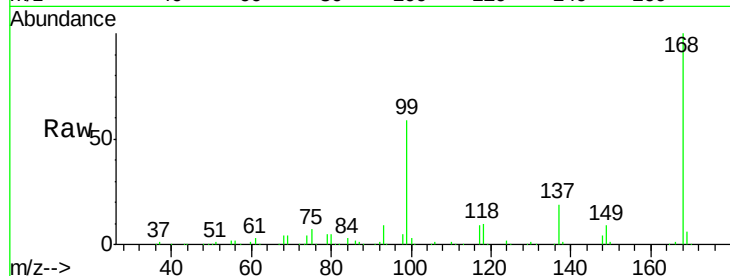
OK-01-081320

Tgt Ion:168 Resp: 228682

Ion Ratio Lower Upper

168 100

99 58.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

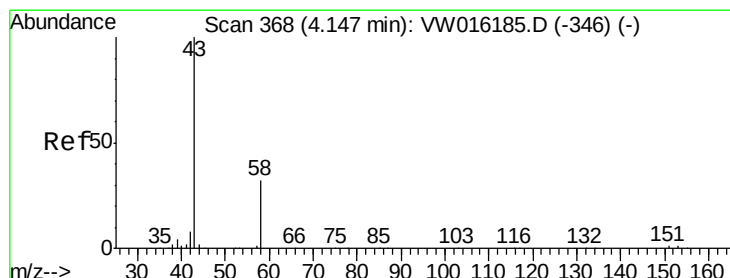
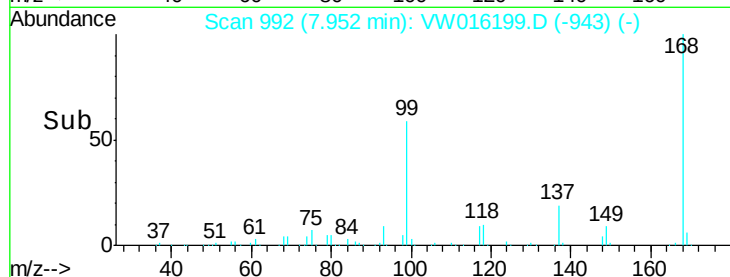
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 1.552 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.03 min

Lab File: VW016199.D

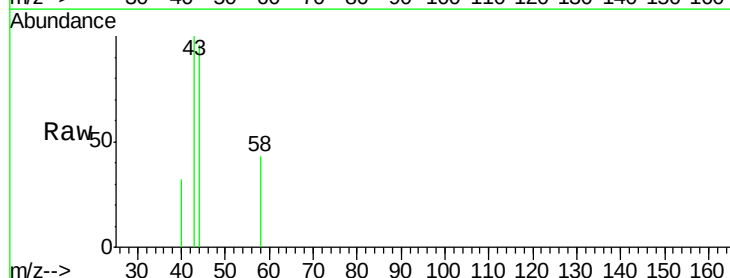
Acq: 14 Aug 2020 18:19

Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

58 42.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

400

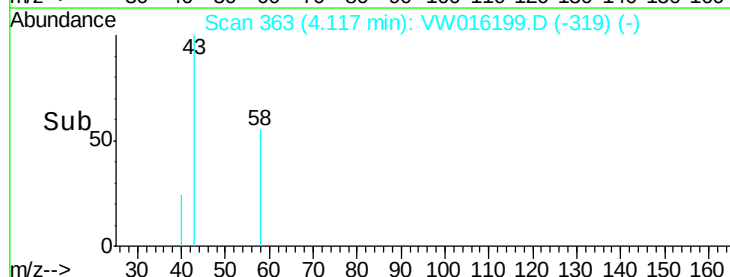
300

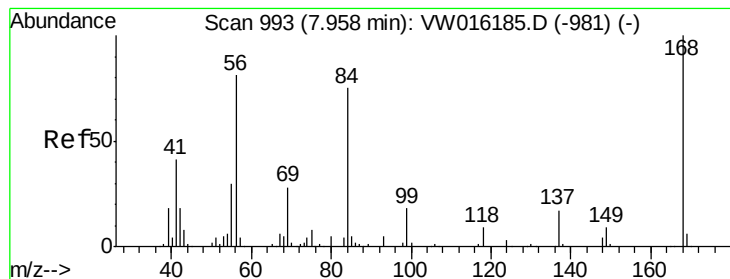
200

100

0

Time--> 4.06 4.08 4.10 4.12 4.14





#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

OK-01-081320

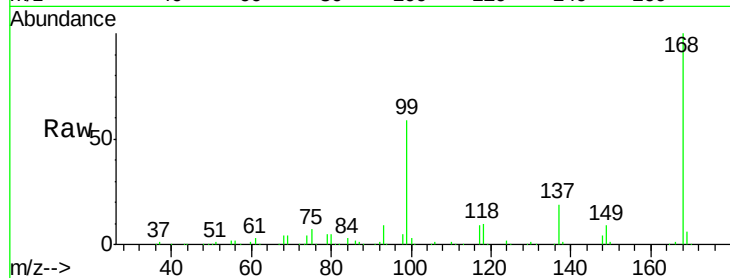
Tgt Ion: 56 Resp: 4661

Ion Ratio Lower Upper

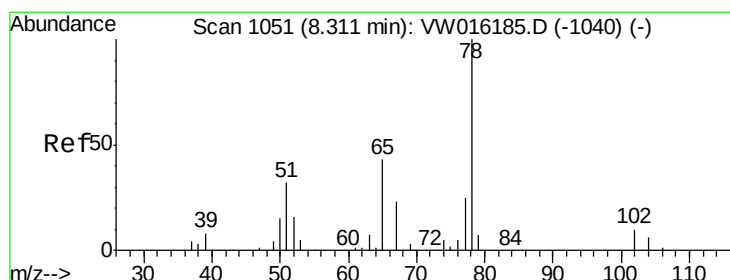
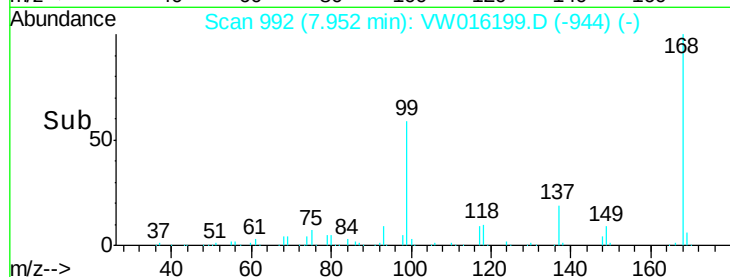
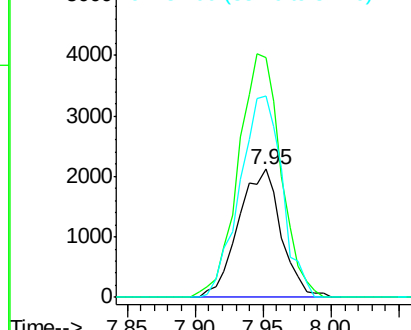
56 100

69 187.5 27.3 40.9#

84 157.0 73.5 110.3#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.245 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW016199.D

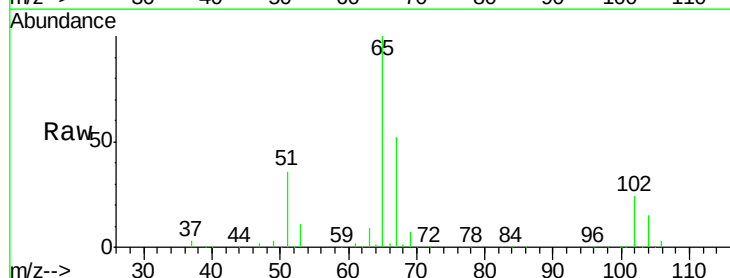
Acq: 14 Aug 2020 18:19

Tgt Ion: 65 Resp: 127662

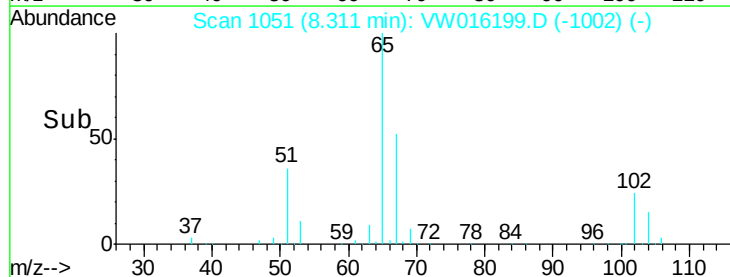
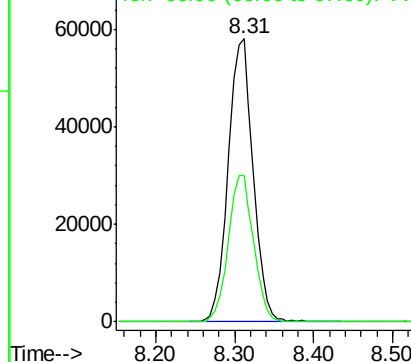
Ion Ratio Lower Upper

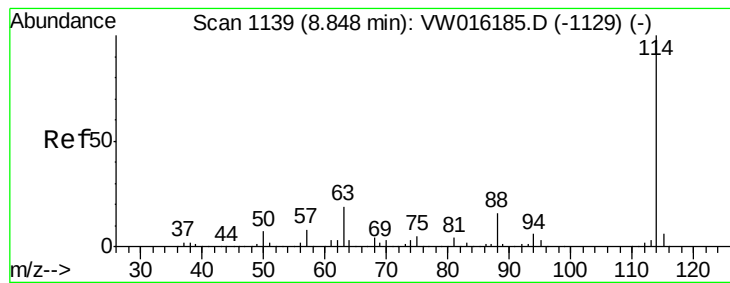
65 100

67 52.6 0.0 105.6



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. -0.01 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

OK-01-081320

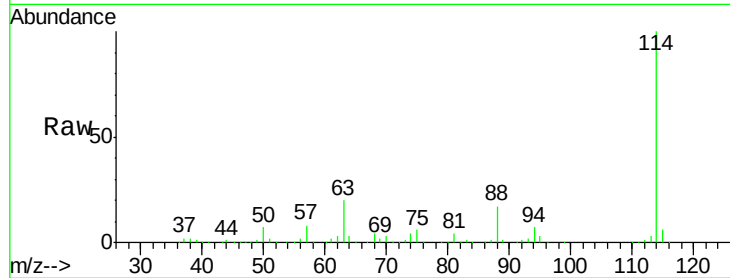
Tgt Ion:114 Resp: 420213

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

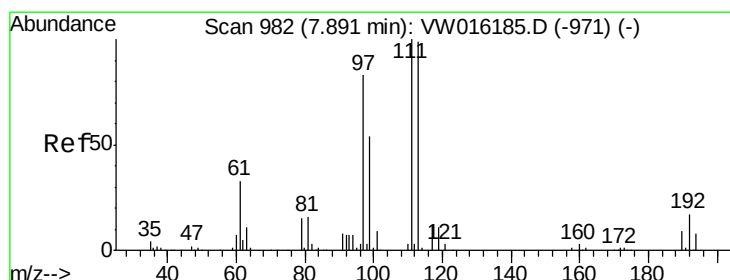
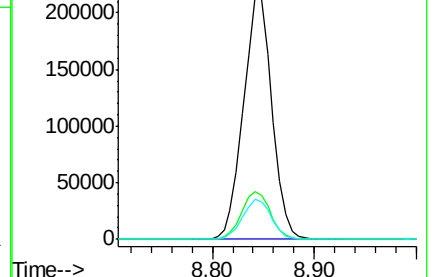
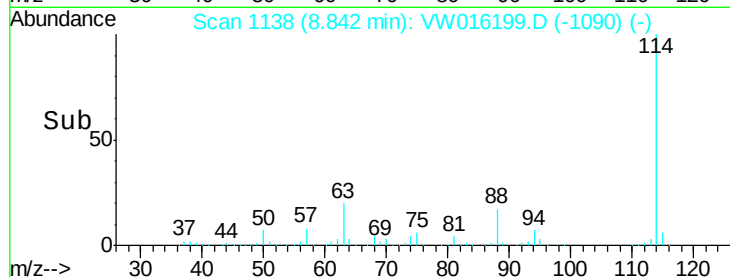
88 16.5 0.0 32.8



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: 49.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

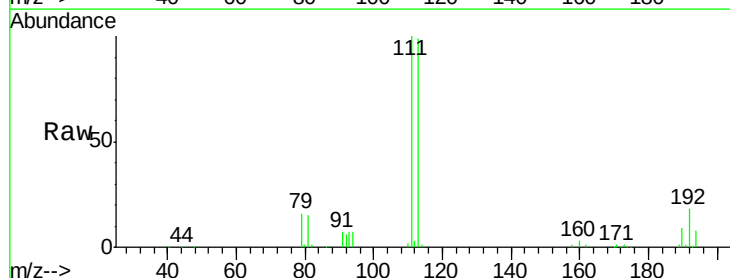
Tgt Ion:113 Resp: 129184

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

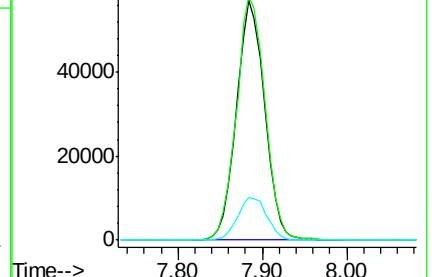
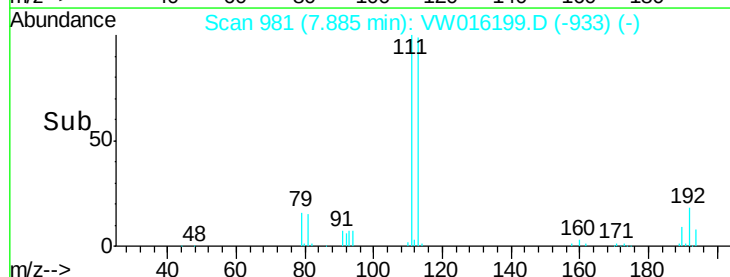
192 18.6 14.3 21.5

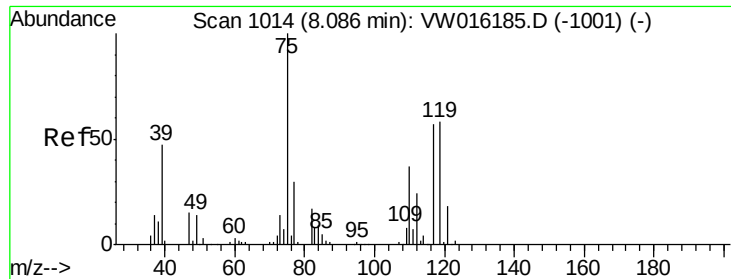


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

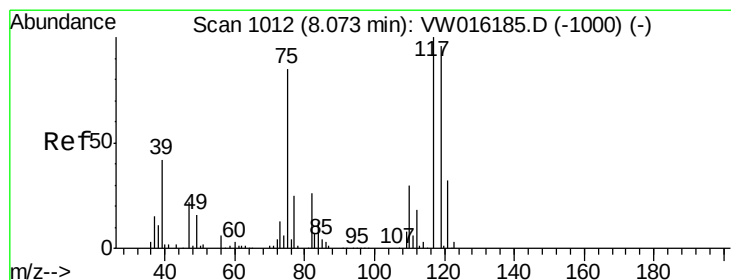
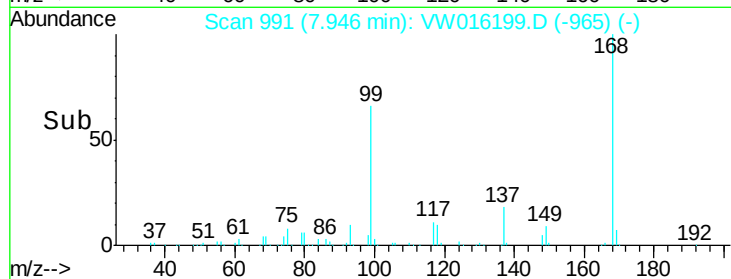
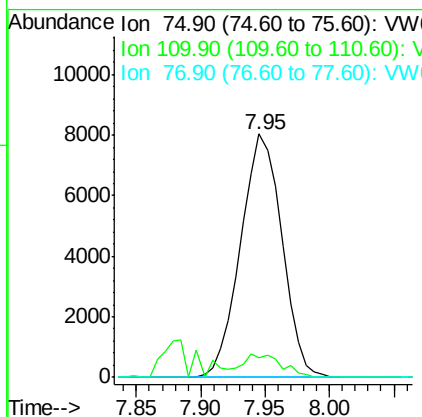
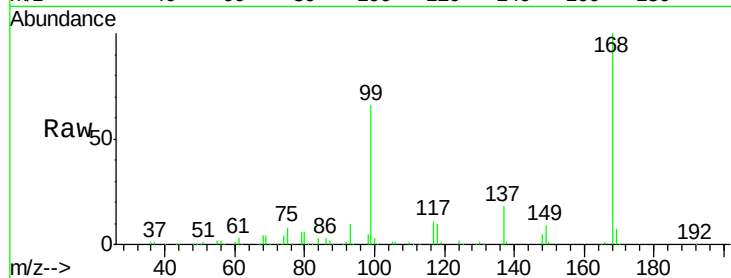




#36
 1,1-Dichloropropene
 Concen: 4.318 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016199.D
 Acq: 14 Aug 2020 18:19

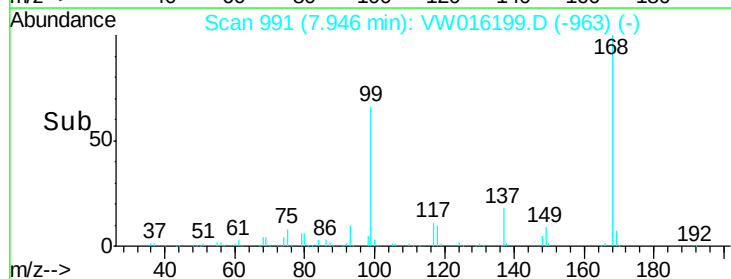
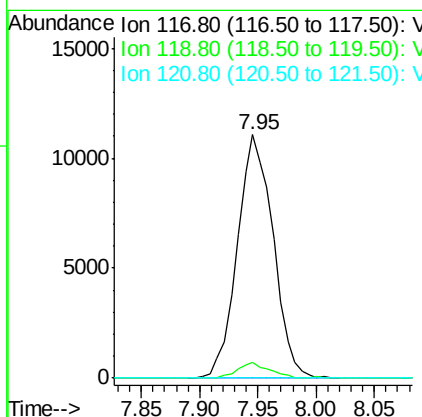
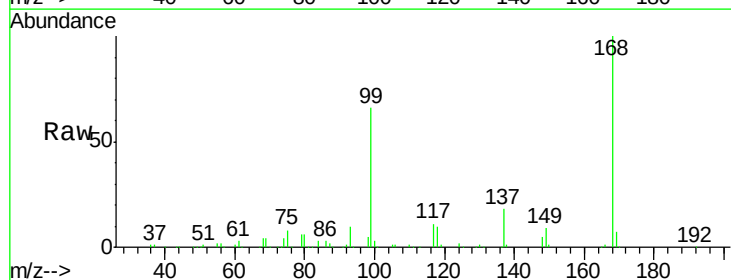
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-081320

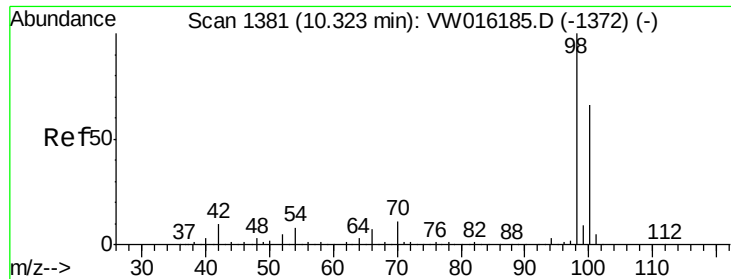
Tgt Ion: 75 Resp: 17875
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.738 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW016199.D
 Acq: 14 Aug 2020 18:19

Tgt Ion: 117 Resp: 23706
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.6 115.0#
 121 0.0 25.4 38.0#

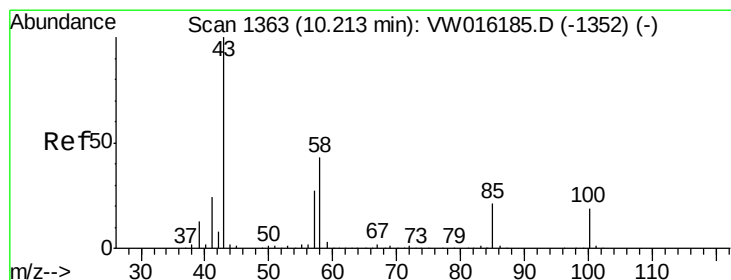
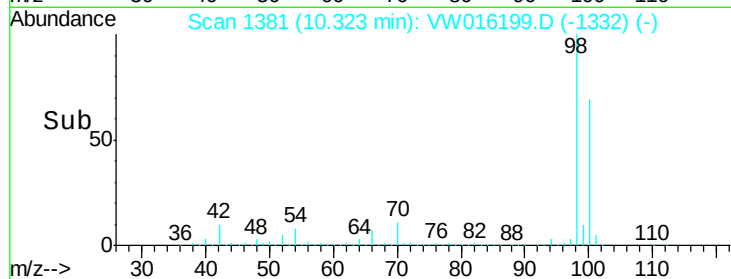
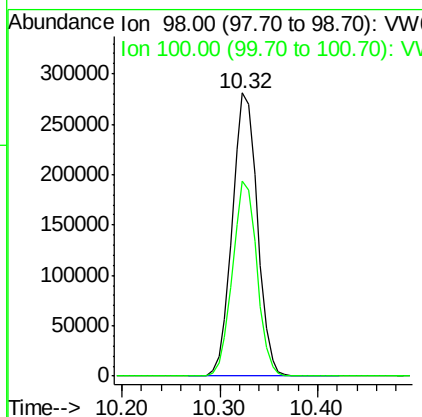
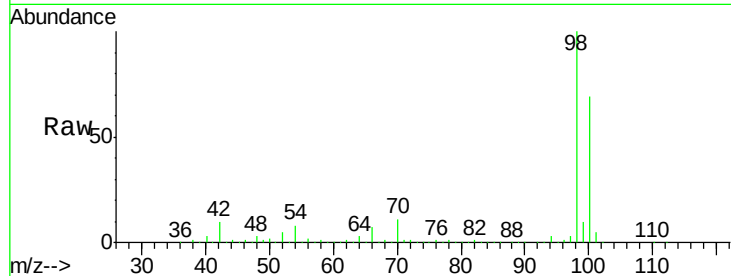




#50
Toluene-d8
Concen: 49.906 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016199.D
Acq: 14 Aug 2020 18:19

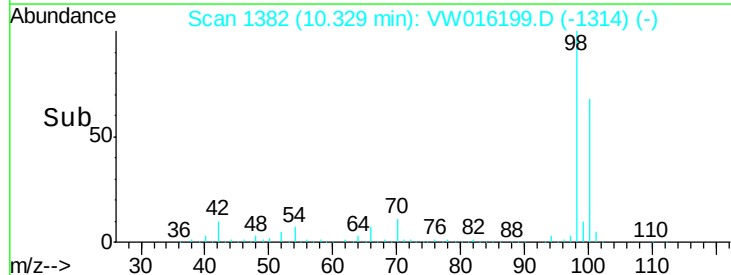
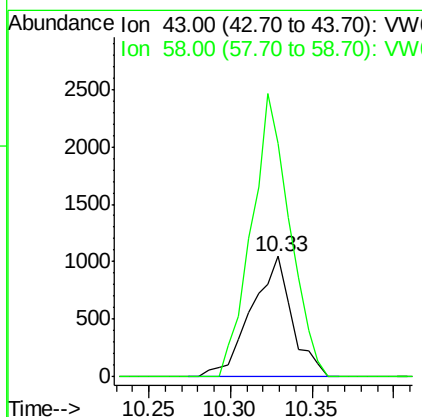
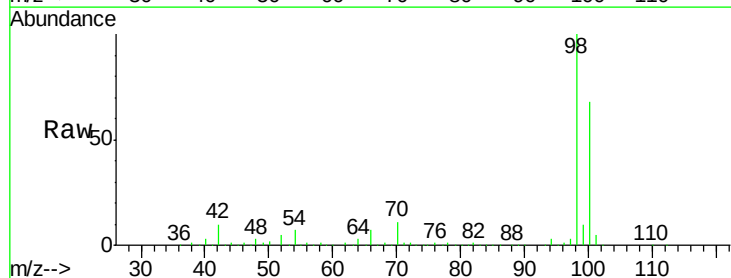
Instrument :
MSVOA_W
ClientSampleId :
OK-01-081320

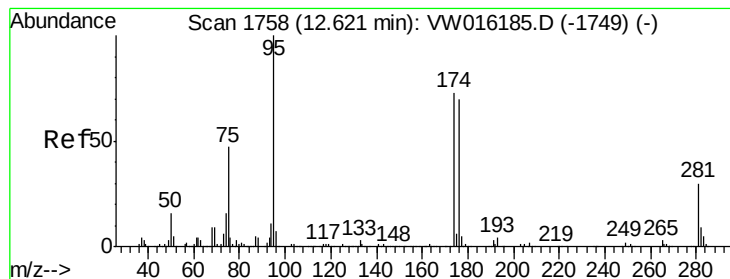
Tgt Ion: 98 Resp: 500859
Ion Ratio Lower Upper
98 100
100 67.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 1.338 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW016199.D
Acq: 14 Aug 2020 18:19

Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
58 221.0 33.7 50.5#





#62

4-Bromofluorobenzene

Concen: 49.686 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

OK-01-081320

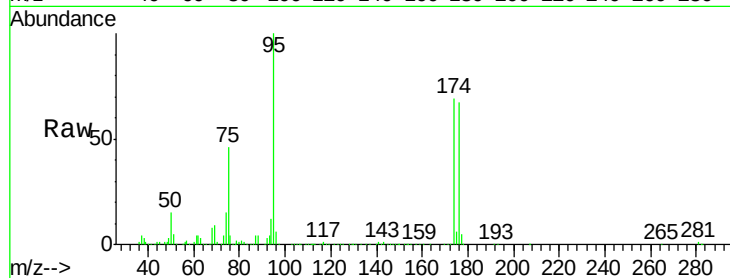
Tgt Ion: 95 Resp: 178247

Ion Ratio Lower Upper

95 100

174 69.7 0.0 145.6

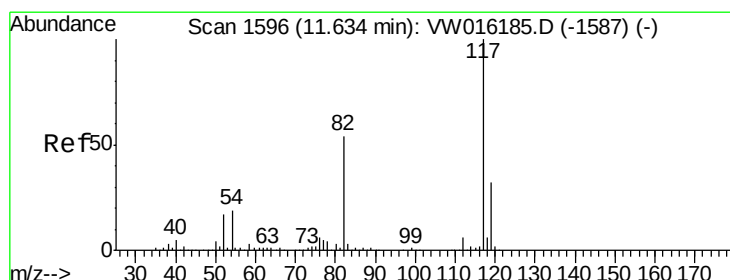
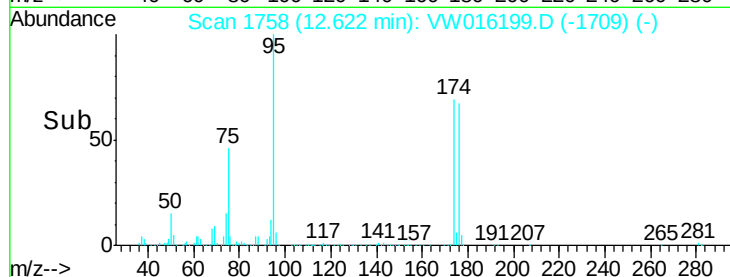
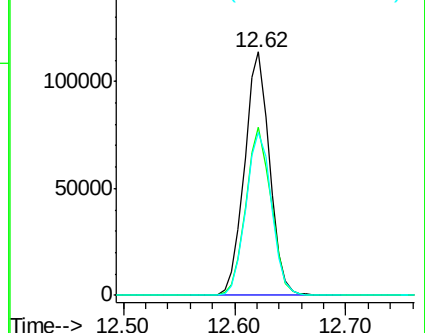
176 68.8 0.0 137.8



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# 1596

Delta R.T. 0.00 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

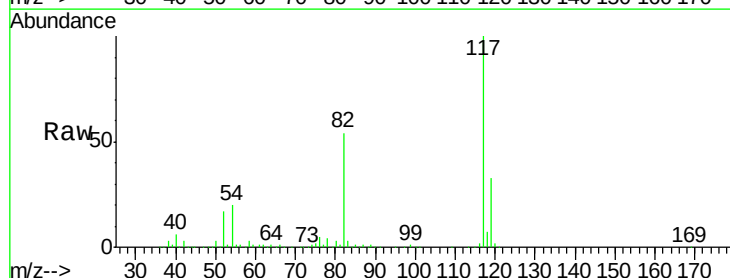
Tgt Ion: 117 Resp: 375931

Ion Ratio Lower Upper

117 100

82 53.9 43.6 65.4

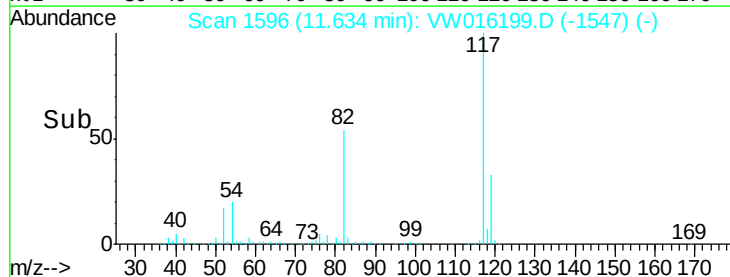
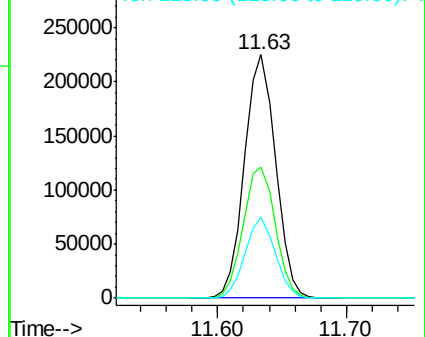
119 33.0 25.4 38.0

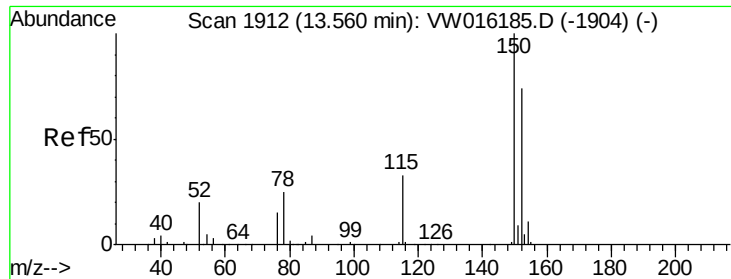


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW016199.D

Acq: 14 Aug 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

OK-01-081320

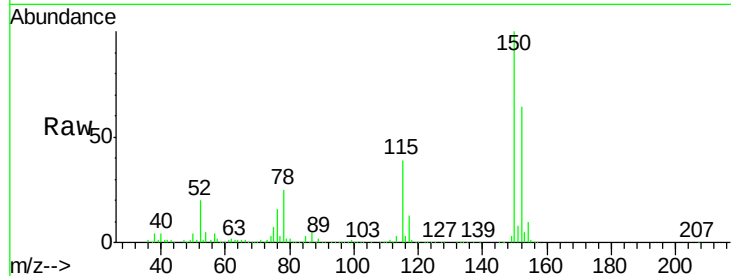
Tgt Ion:152 Resp: 168379

Ion Ratio Lower Upper

152 100

115 62.4 30.9 92.5

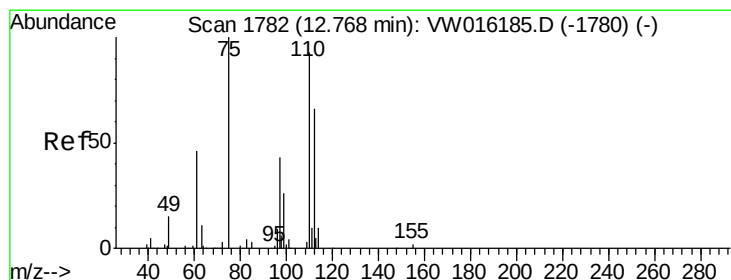
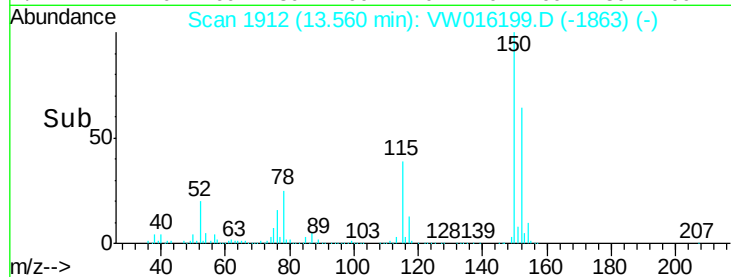
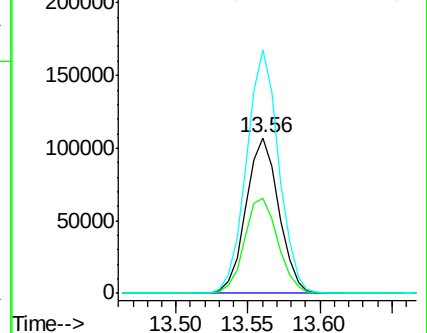
150 153.8 0.0 337.8



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: 54.581 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016199.D

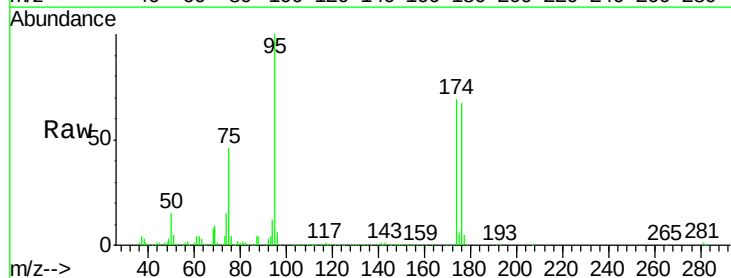
Acq: 14 Aug 2020 18:19

Tgt Ion: 75 Resp: 84521

Ion Ratio Lower Upper

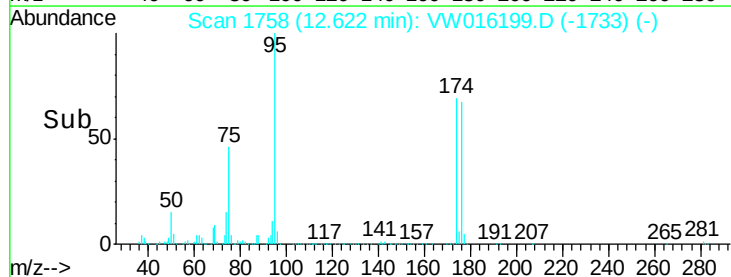
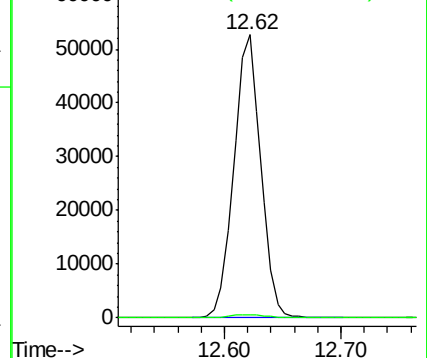
75 100

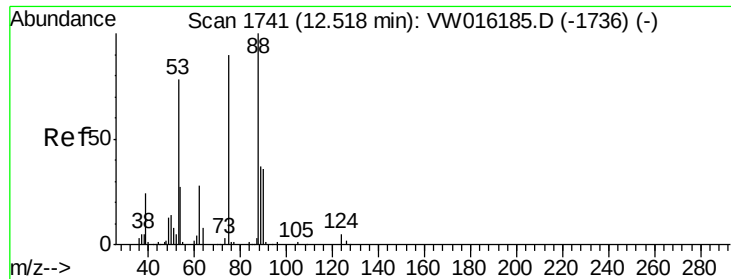
77 1.5 173.6 520.6#



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: 130.920 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

Instrument :

MSVOA_W

ClientSampleId :

OK-01-081320

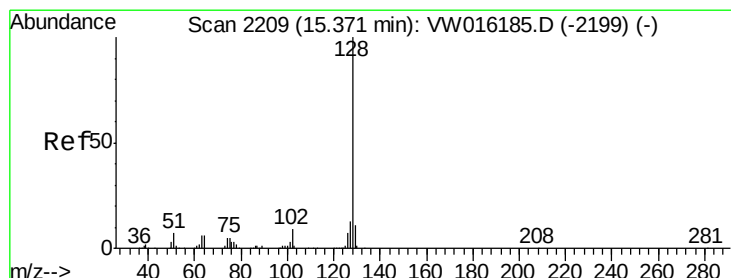
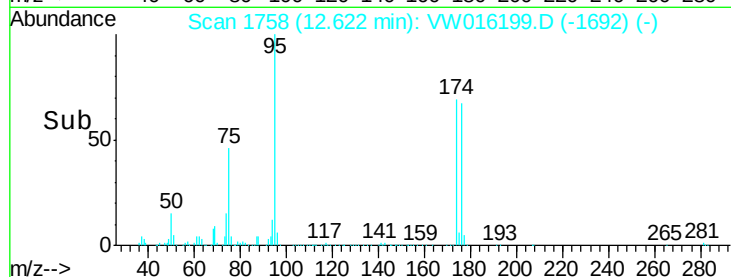
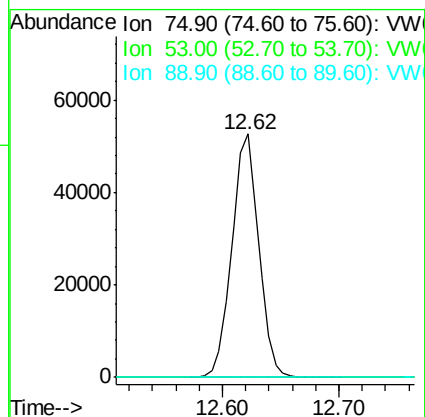
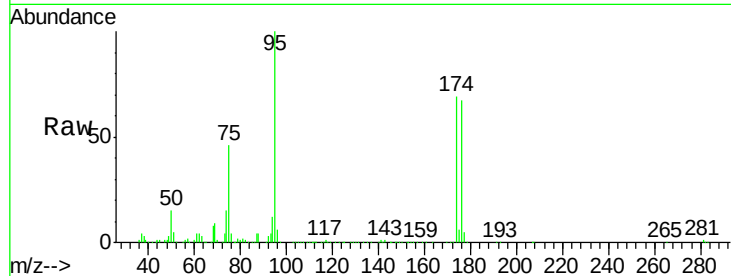
Tgt Ion: 75 Resp: 84521

Ion Ratio Lower Upper

75 100

53 0.1 74.6 111.8#

89 0.0 37.2 55.8#



#95

Naphthalene

Concen: 3.703 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016199.D

Acq: 14 Aug 2020 18:19

Tgt Ion: 128 Resp: 839

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 0.0 8.7 13.1#

