

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015693.D
 Acq On : 24 Jun 2020 19:43
 Operator : SY/VA
 Sample : L3089-01
 Misc : 7.12G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47184-RT

Quant Time: Jun 25 02:05:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	144270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	259391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	211076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	94680	58.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.96%	
35) Dibromofluoromethane	7.89	113	84046	51.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.02%	
50) Toluene-d8	10.32	98	315941	49.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.62	95	80777	34.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.32%	

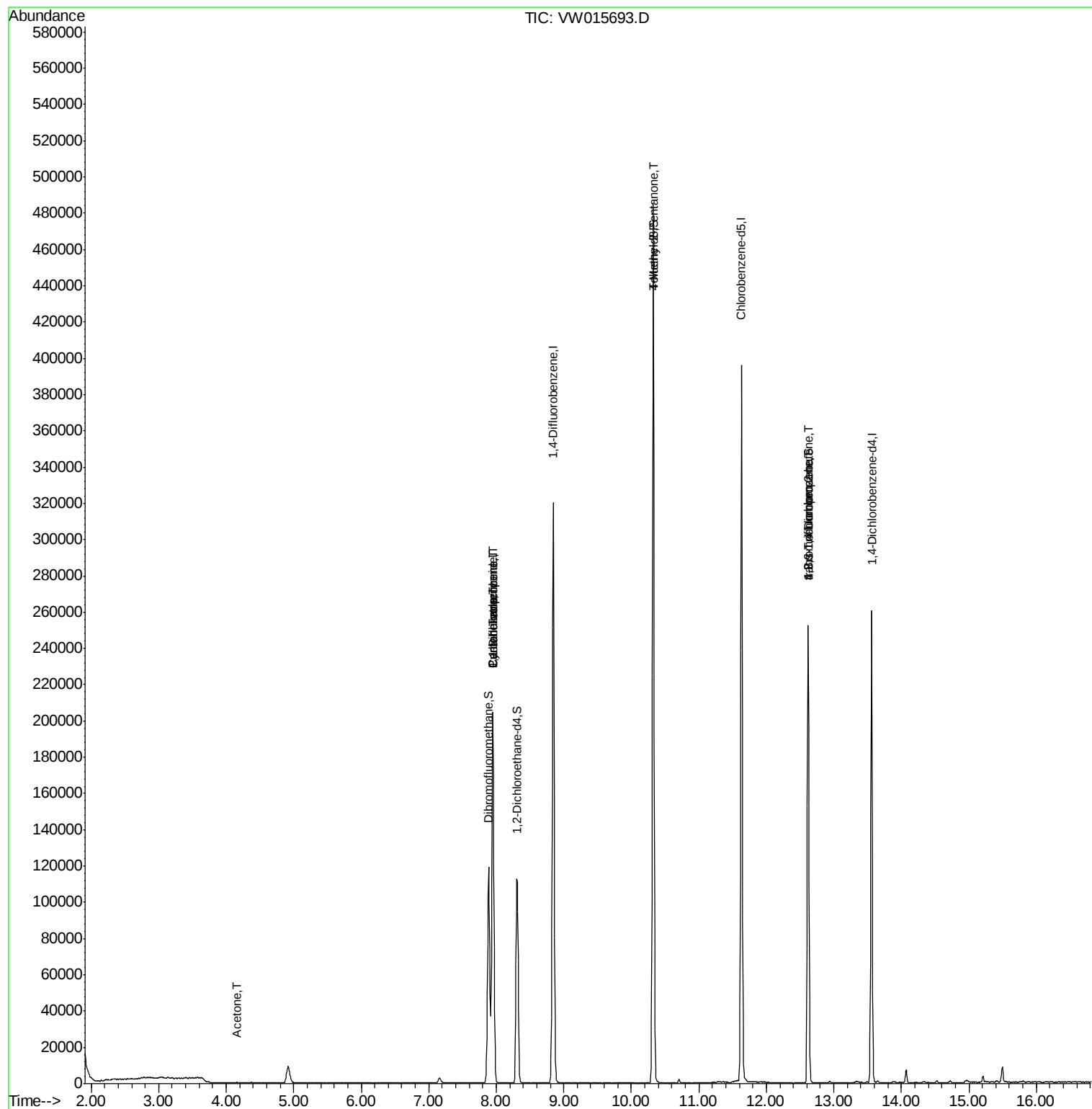
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	600	1.966	ug/l #	84
18) Methyl Acetate	4.87	43	22	Below Cal	#	52
31) Cyclohexane	7.95	56	3676	1.329	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	11855	4.394	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15035	5.749	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1658	1.672	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	44055	75.038	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	44055	189.097	ug/l #	8

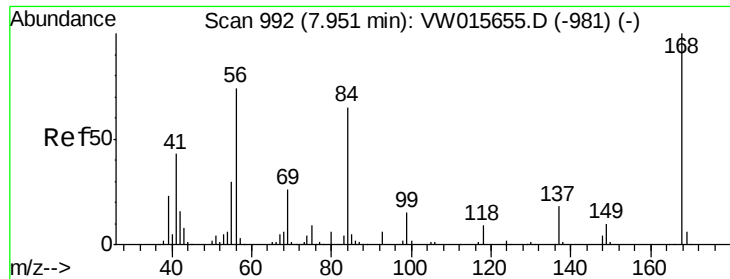
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA_W

ClientSampleId :

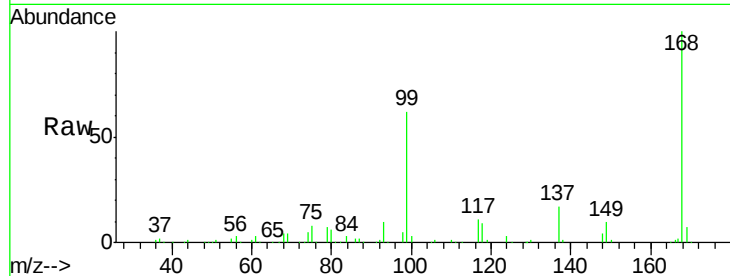
RB47184-RT

Tgt Ion: 168 Resp: 144270

Ion Ratio Lower Upper

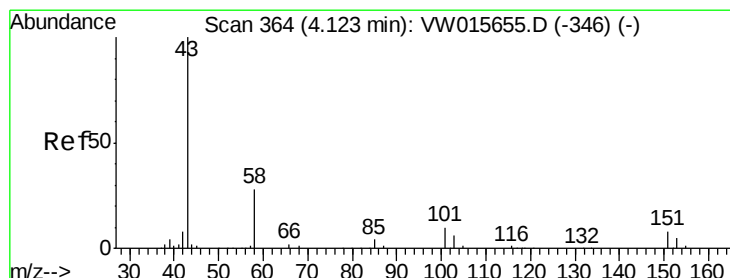
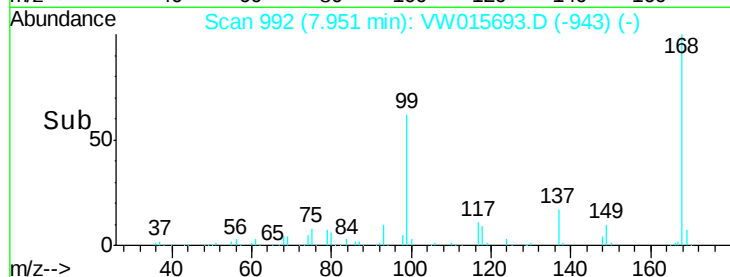
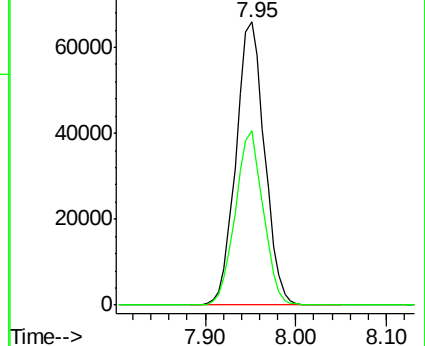
168 100

99 61.9 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 1.966 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW015693.D

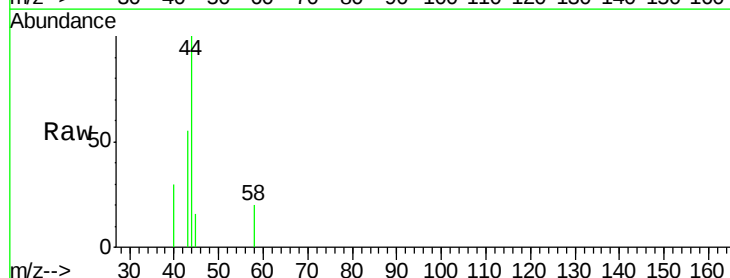
Acq: 24 Jun 2020 19:43

Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

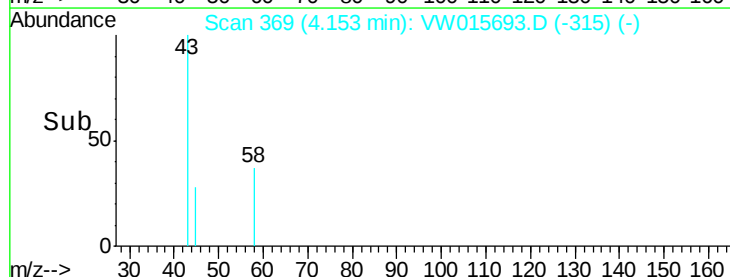
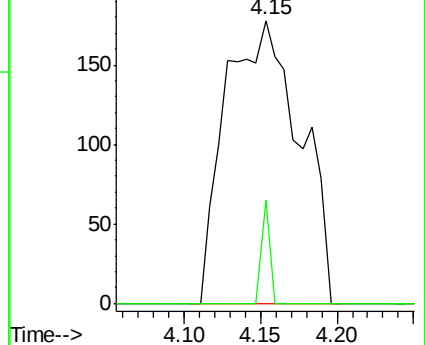
43 100

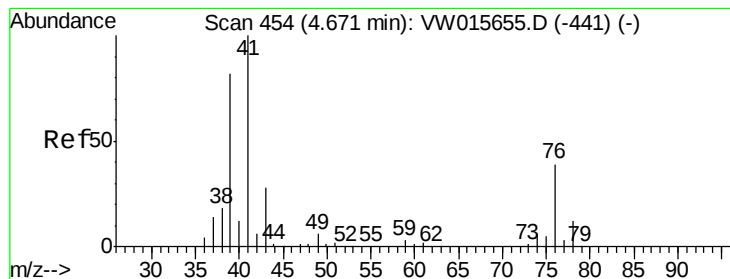
58 36.5 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#18

Methyl Acetate

Concen: Below Cal

RT: 4.87 min Scan# 487

Delta R.T. 0.20 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA_W

ClientSampleId :

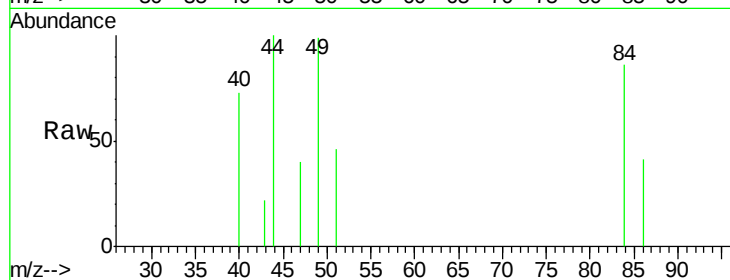
RB47184-RT

Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

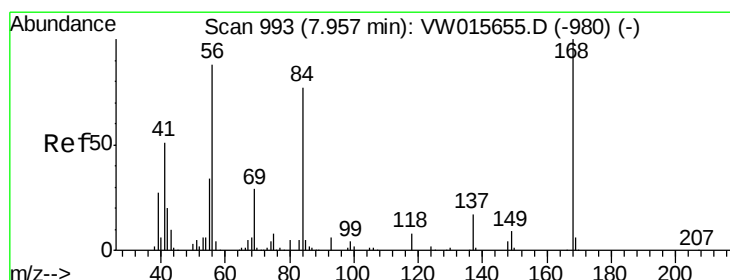
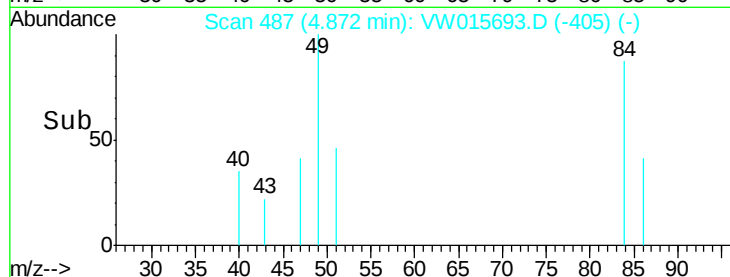
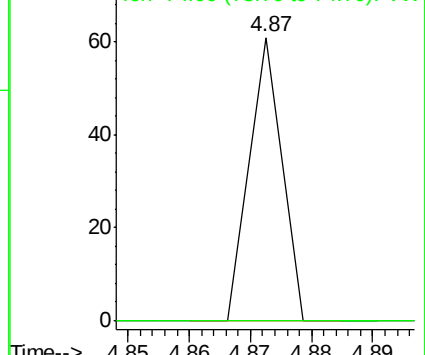
43 100

74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

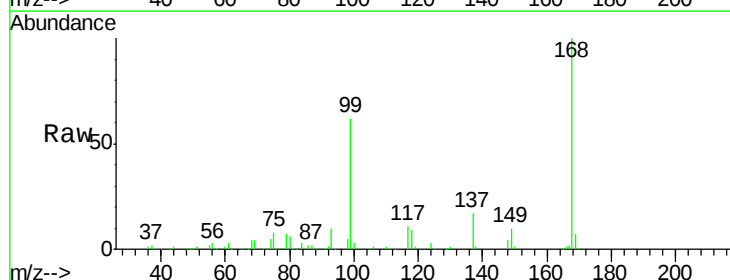
Tgt Ion: 56 Resp: 3676

Ion Ratio Lower Upper

56 100

69 157.2 26.2 39.4#

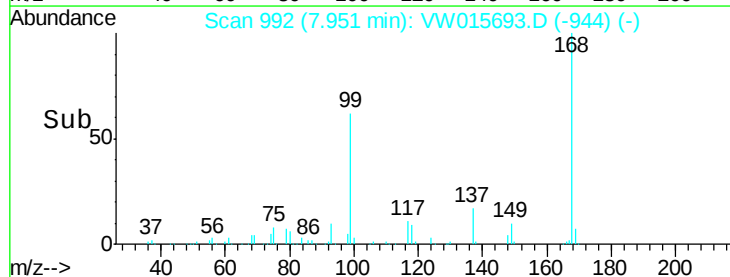
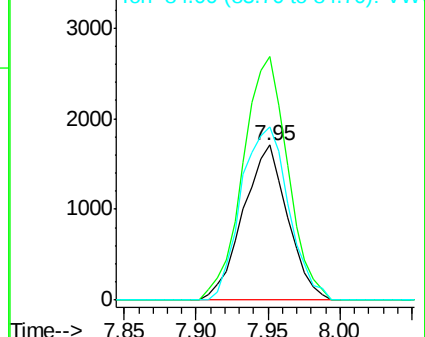
84 111.7 70.4 105.6#

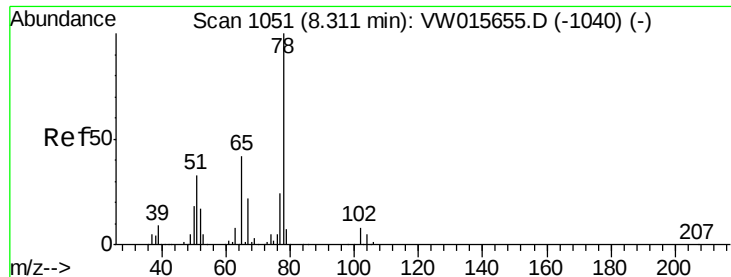


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 58.983 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA_W

ClientSampleId :

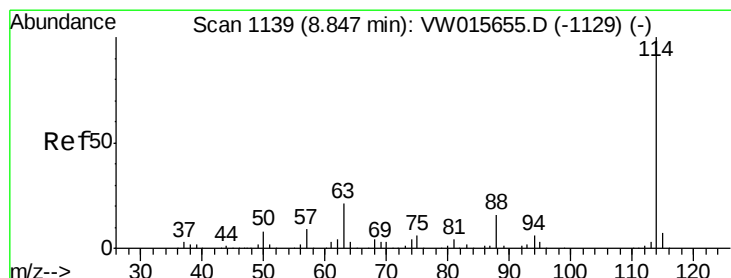
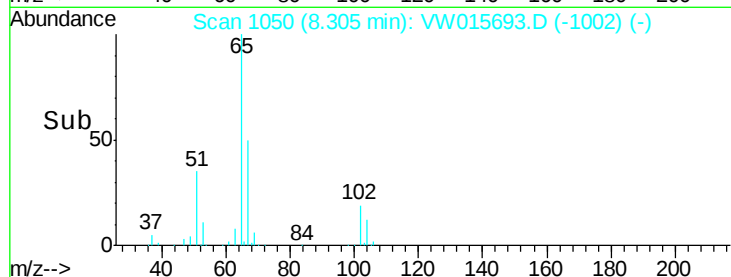
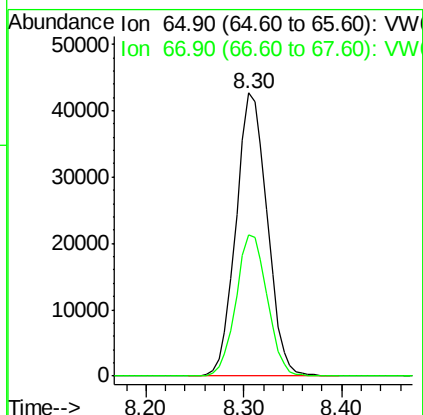
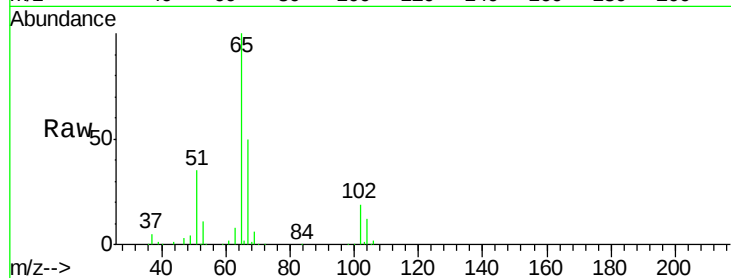
RB47184-RT

Tgt Ion: 65 Resp: 94680

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

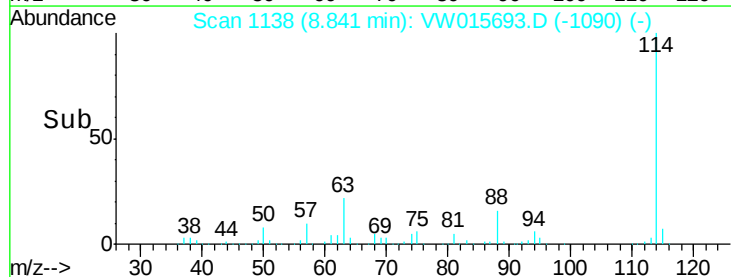
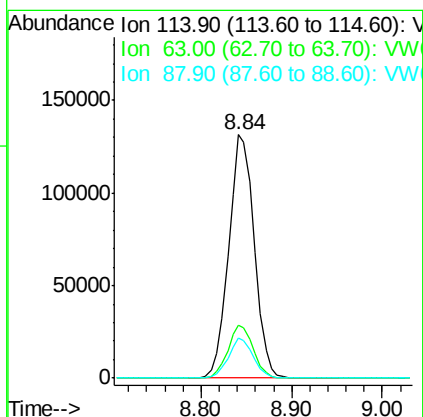
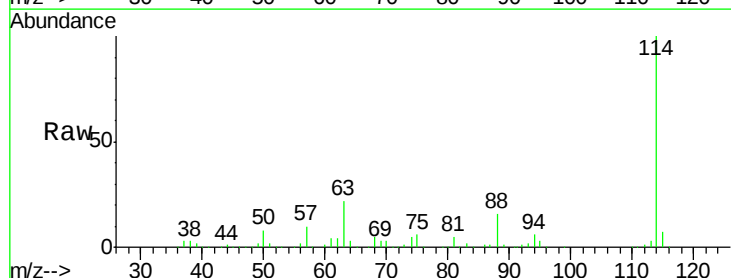
Tgt Ion: 114 Resp: 259391

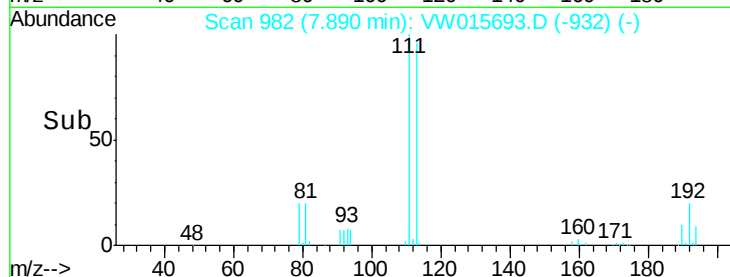
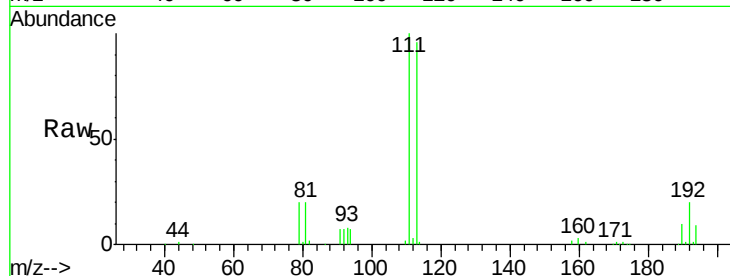
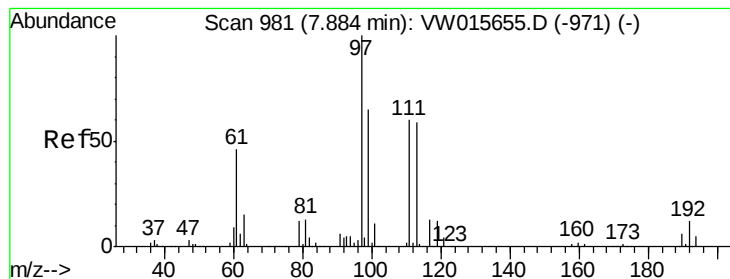
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.510 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA_W

ClientSampleId :

RB47184-RT

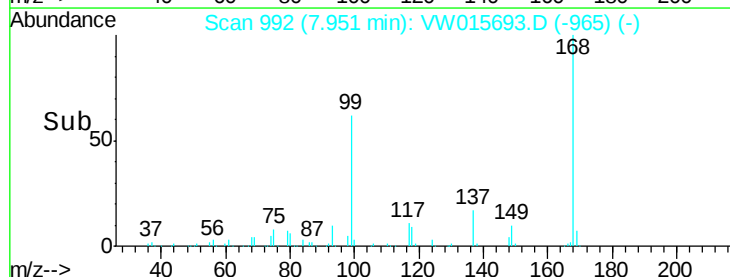
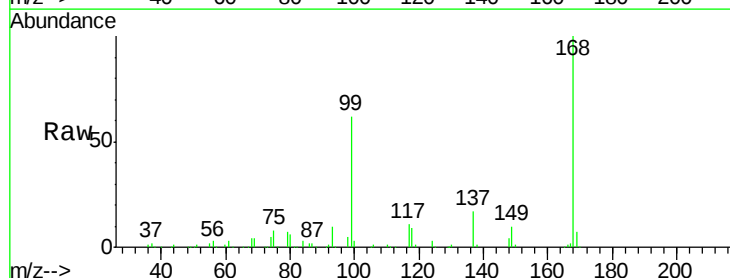
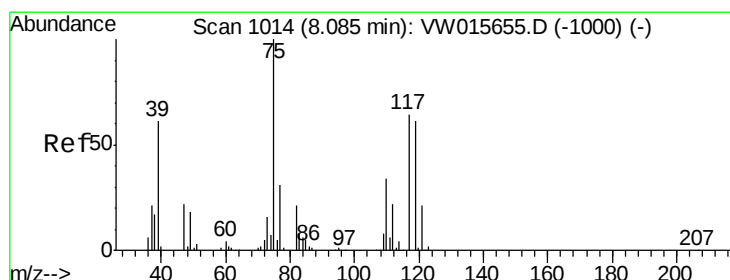
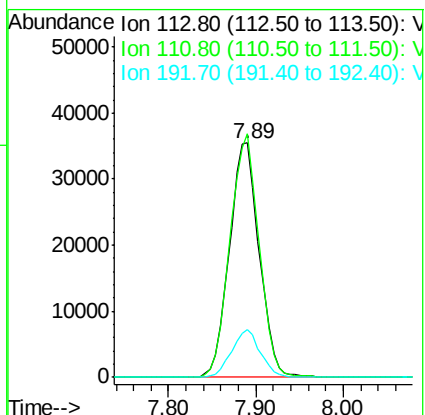
Tgt Ion:113 Resp: 84046

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

192 19.6 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.394 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

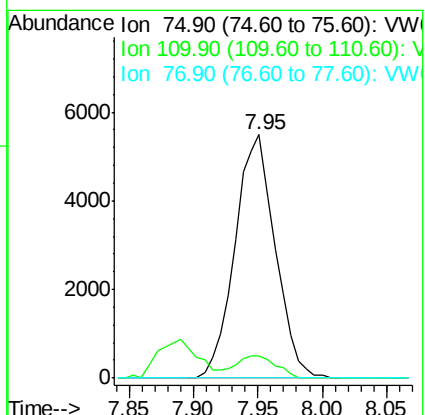
Tgt Ion: 75 Resp: 11855

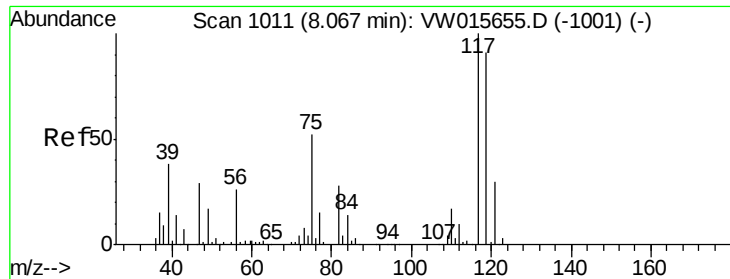
Ion Ratio Lower Upper

75 100

110 9.0 17.0 51.0#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA_W

ClientSampleId :

RB47184-RT

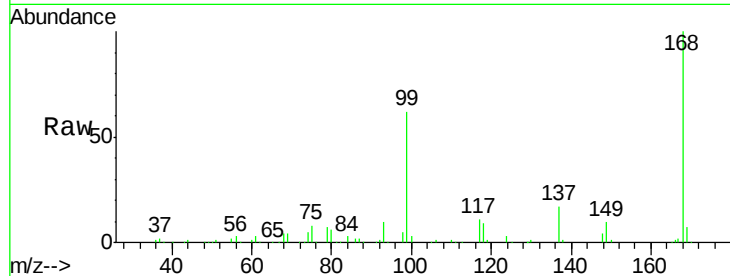
Tgt Ion:117 Resp: 15035

Ion Ratio Lower Upper

117 100

119 5.4 73.2 109.8#

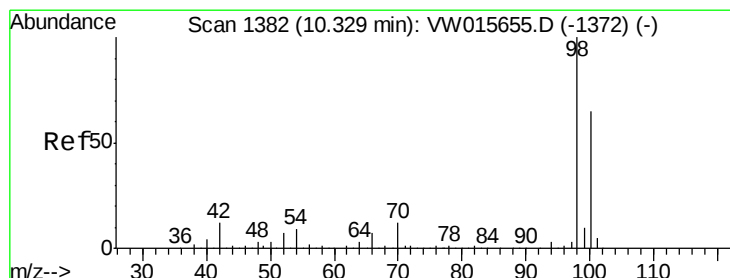
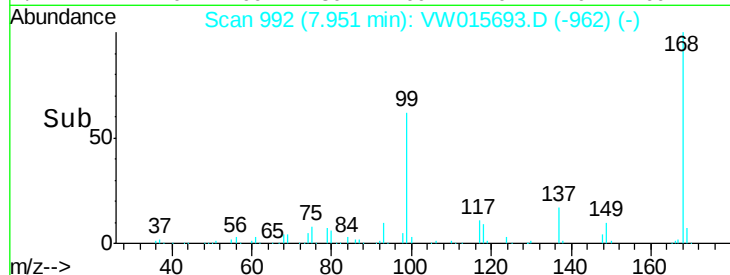
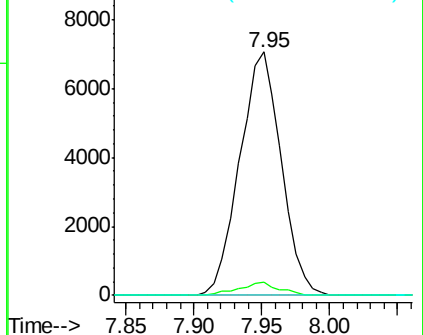
121 0.0 23.9 35.9#



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: 49.203 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015693.D

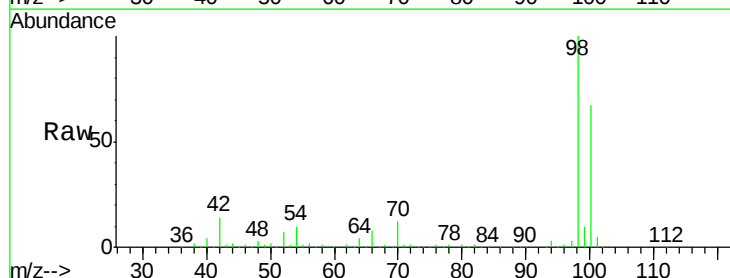
Acq: 24 Jun 2020 19:43

Tgt Ion: 98 Resp: 315941

Ion Ratio Lower Upper

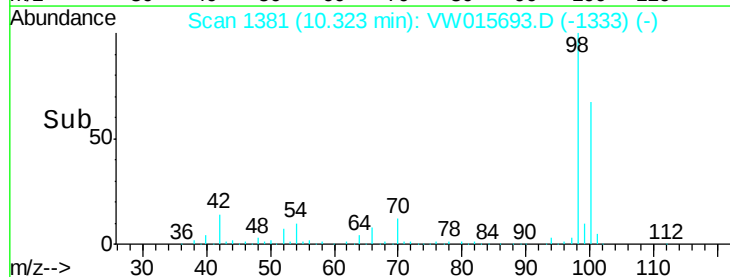
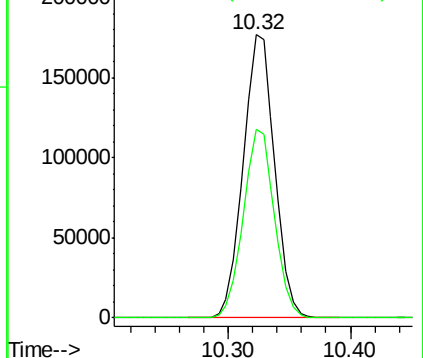
98 100

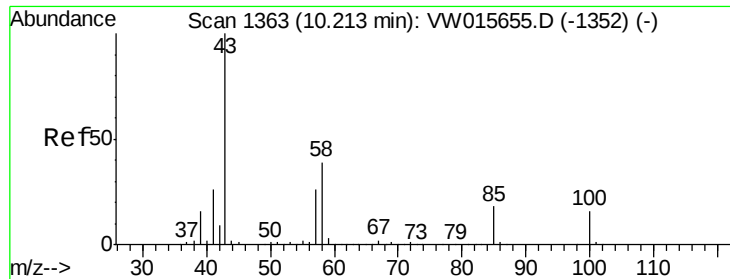
100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

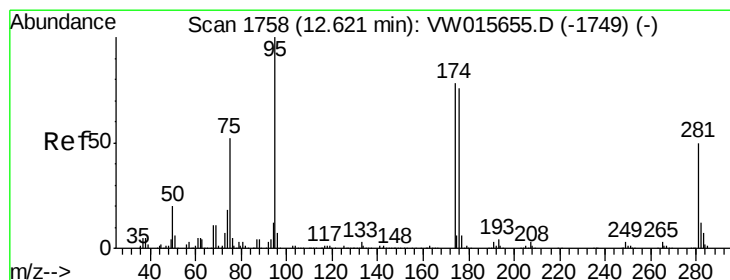
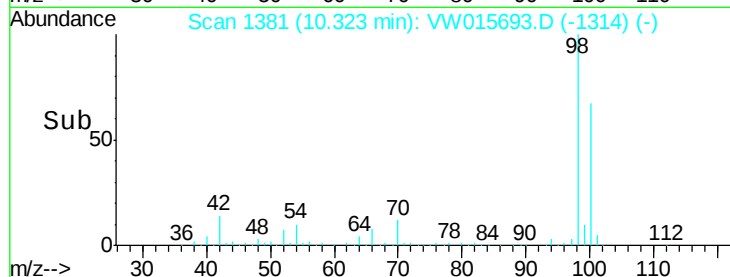
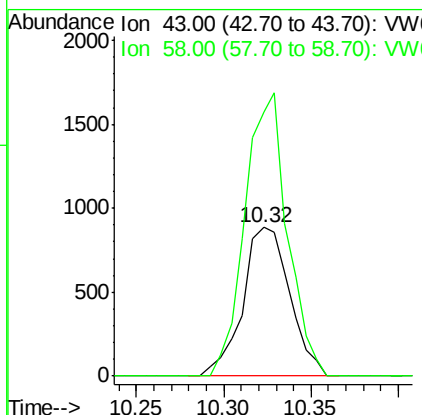
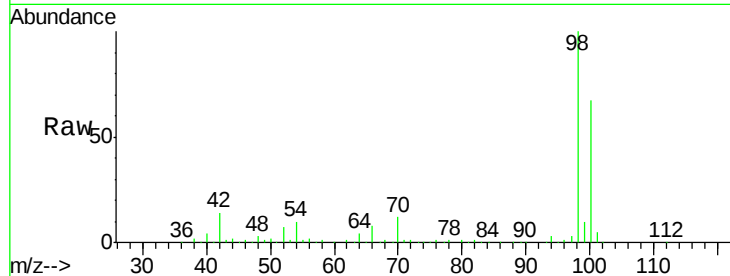




#51
4-Methyl-2-Pentanone
Concen: 1.672 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW015693.D
Acq: 24 Jun 2020 19:43

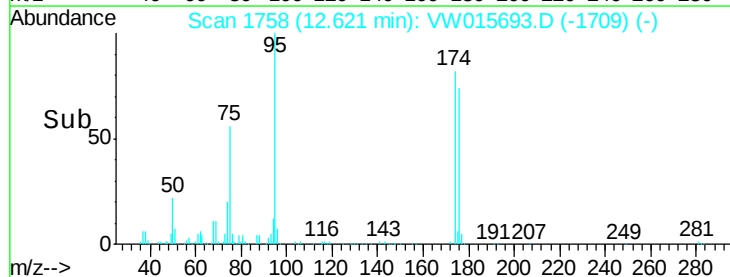
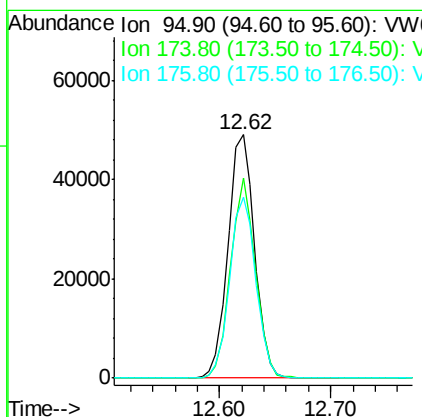
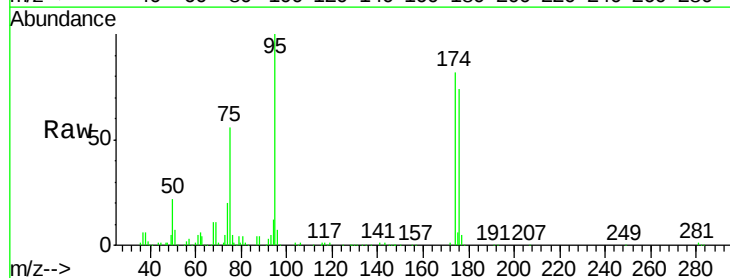
Instrument :
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RB47184-RT

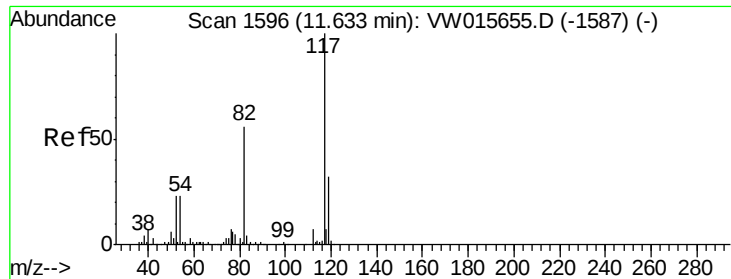
Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
58 171.8 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 34.159 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW015693.D
Acq: 24 Jun 2020 19:43

Tgt Ion: 95 Resp: 80777
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.0
176 73.6 0.0 151.4

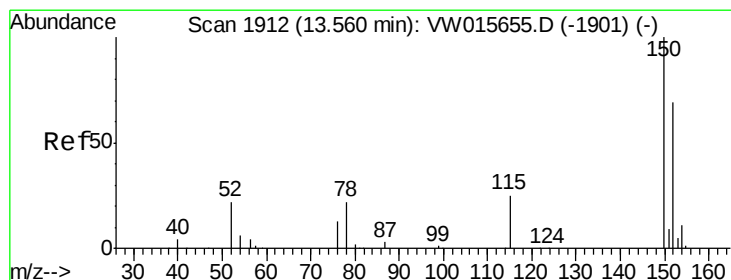
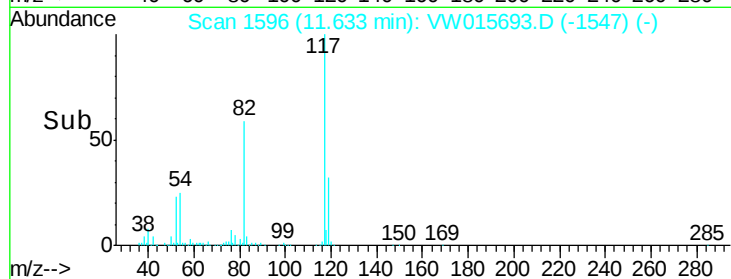
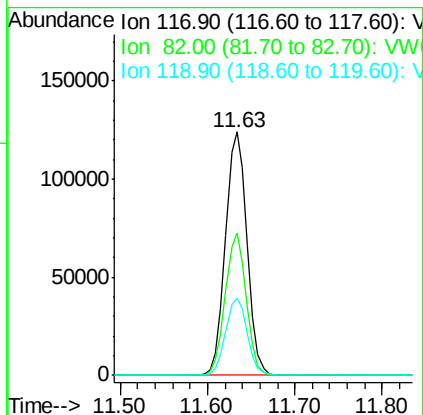
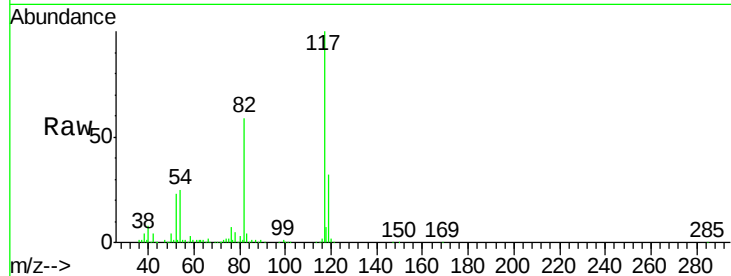




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015693.D
Acq: 24 Jun 2020 19:43

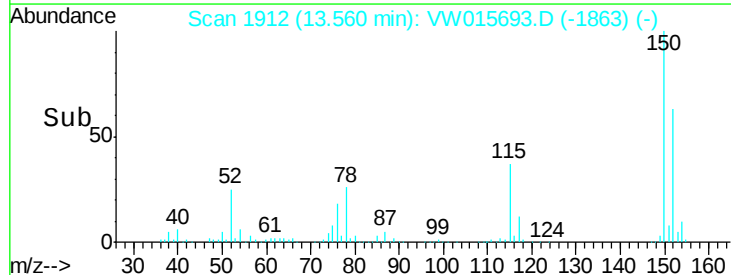
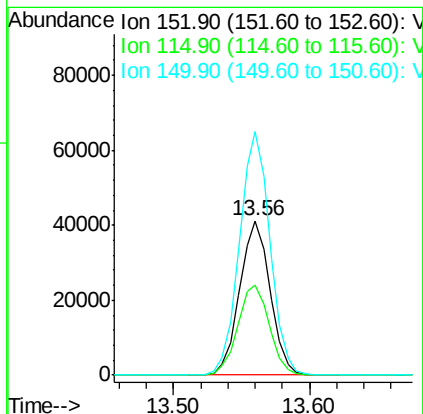
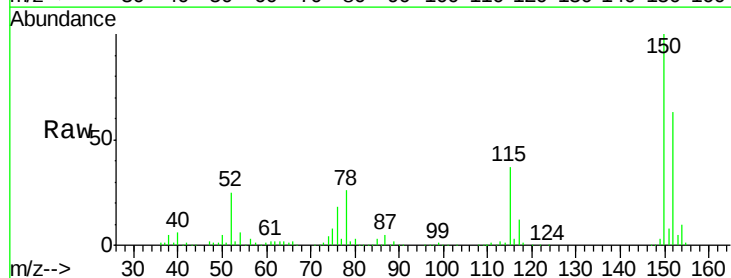
Instrument :
MSVOA_W
ClientSampleId :
RB47184-RT

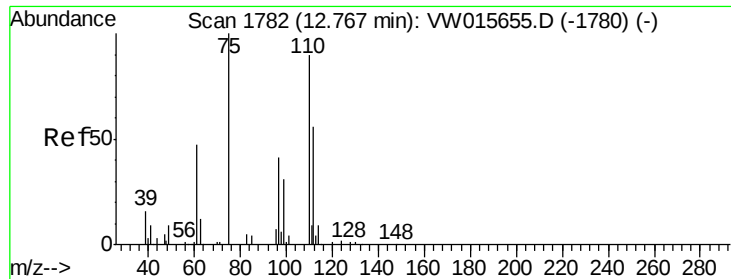
Tgt Ion:117 Resp: 211076
Ion Ratio Lower Upper
117 100
82 58.8 45.1 67.7
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015693.D
Acq: 24 Jun 2020 19:43

Tgt Ion:152 Resp: 64365
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 157.8 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 75.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA_W

ClientSampleId :

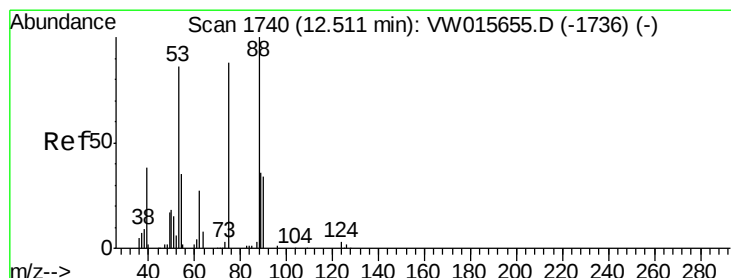
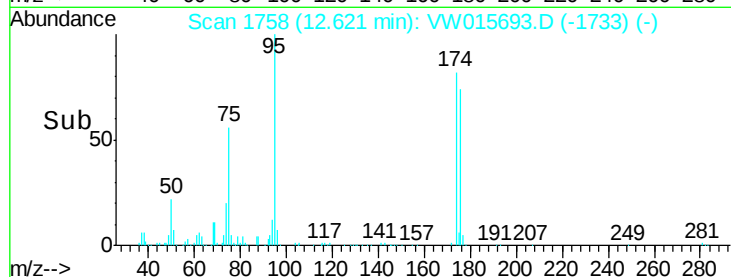
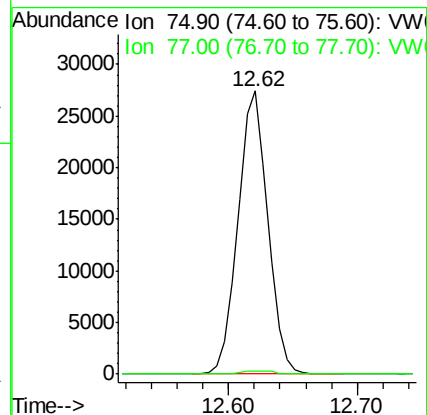
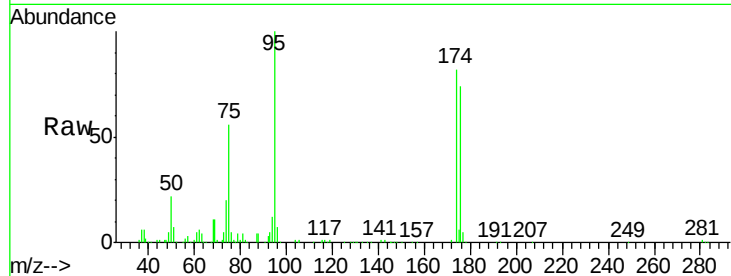
RB47184-RT

Tgt Ion: 75 Resp: 44055

Ion Ratio Lower Upper

75 100

77 1.3 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 189.097 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Tgt Ion: 75 Resp: 44055

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

