

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015695.D
 Acq On : 24 Jun 2020 20:36
 Operator : SY/VA
 Sample : L3089-07
 Misc : 7.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47185-RT

Quant Time: Jun 25 02:06:28 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	150389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	272952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87011	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99404	59.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.82%	
35) Dibromofluoromethane	7.88	113	86881	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.32	98	336756	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	97615	39.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.46%	

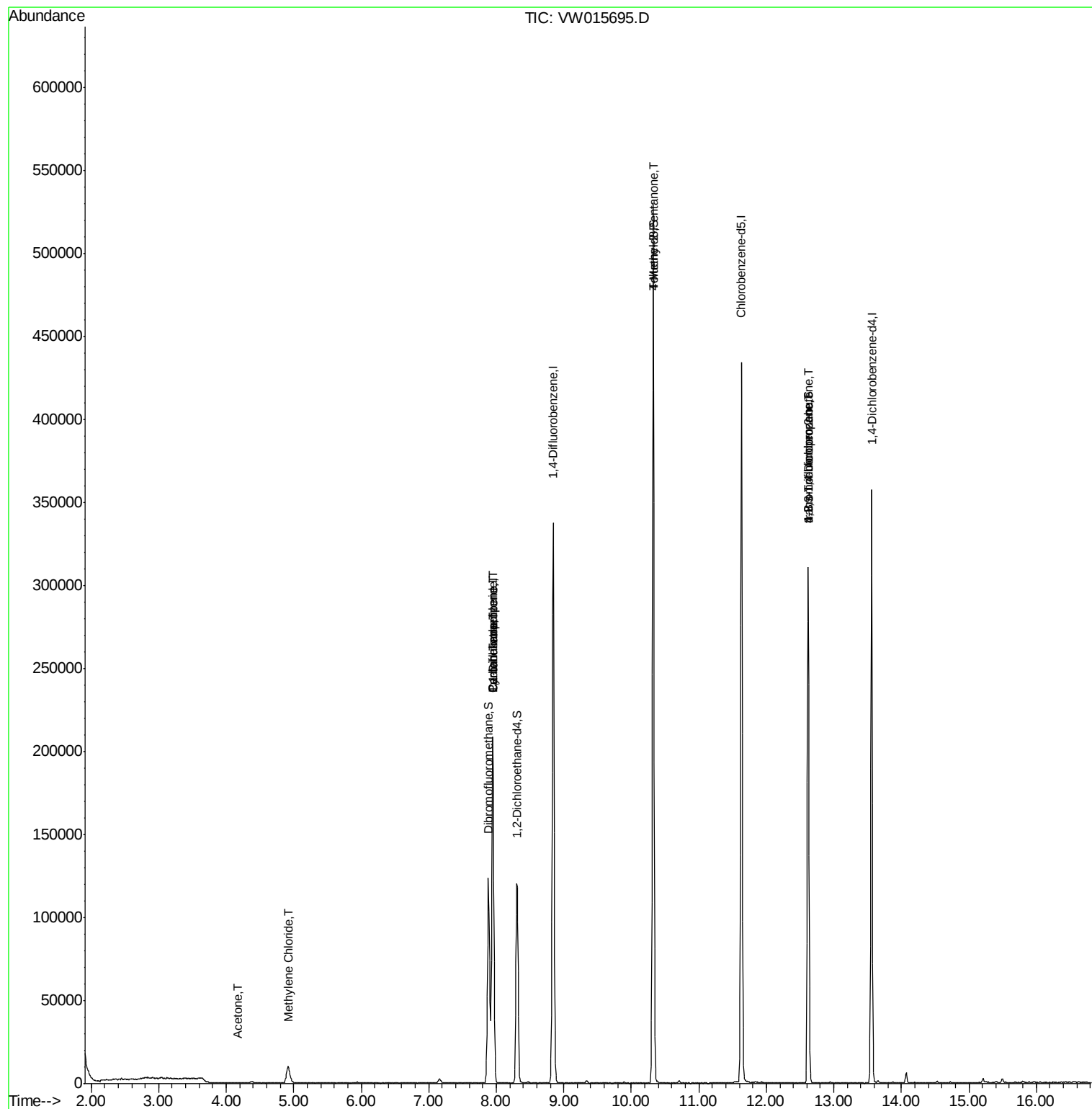
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	741	2.329	ug/l	94
18) Methyl Acetate	4.68	43	20	Below Cal	#	52
20) Methylene Chloride	4.92	84	8650	1.129	ug/l	96
31) Cyclohexane	7.95	56	3970	1.377	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	12666	4.461	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15188	5.519	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	1800	1.725	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	52748	66.461	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52748	167.483	ug/l #	8

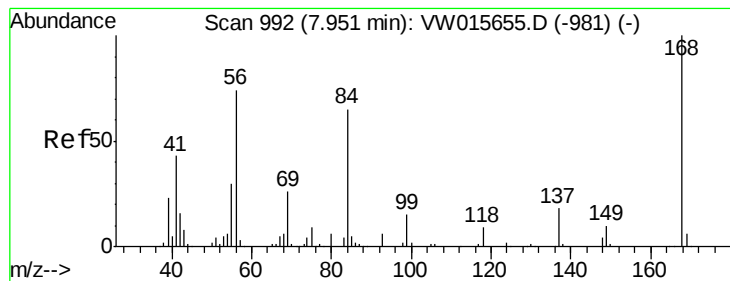
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015695.D

Acq: 24 Jun 2020 20:36

Instrument :

MSVOA_W

ClientSampleId :

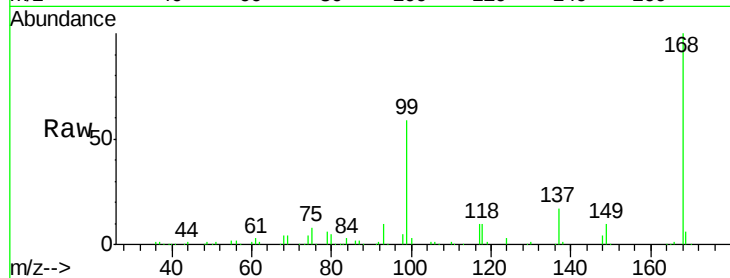
RB47185-RT

Tgt Ion: 168 Resp: 150389

Ion Ratio Lower Upper

168 100

99 59.2 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

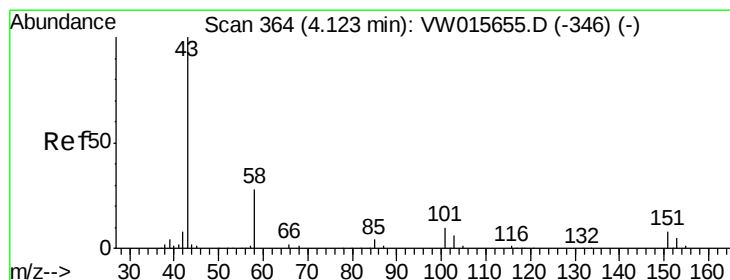
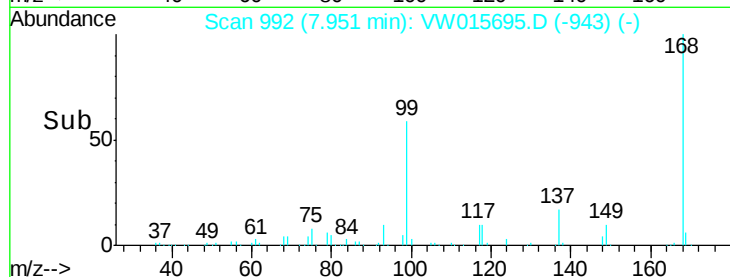
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.329 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW015695.D

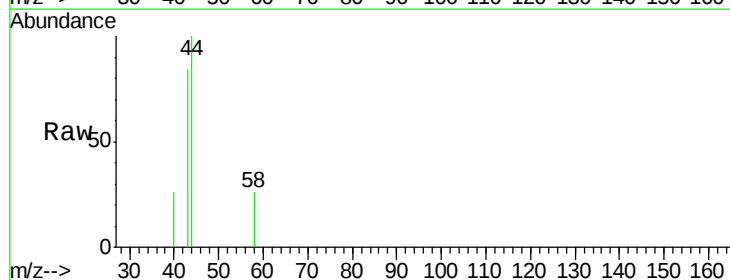
Acq: 24 Jun 2020 20:36

Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

58 31.4 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

250

200

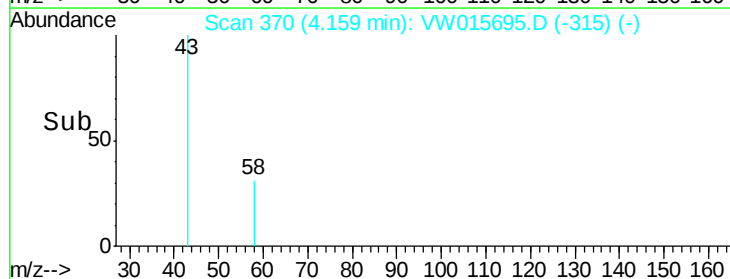
150

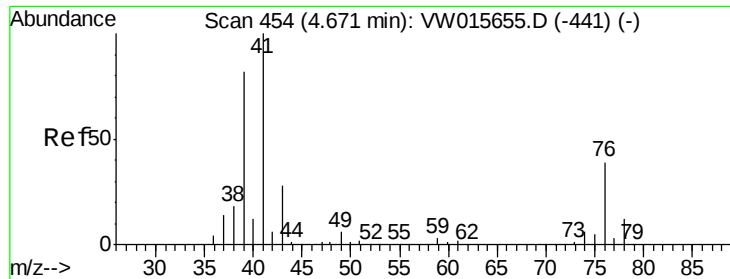
100

50

0

Time--> 4.05 4.10 4.15 4.20

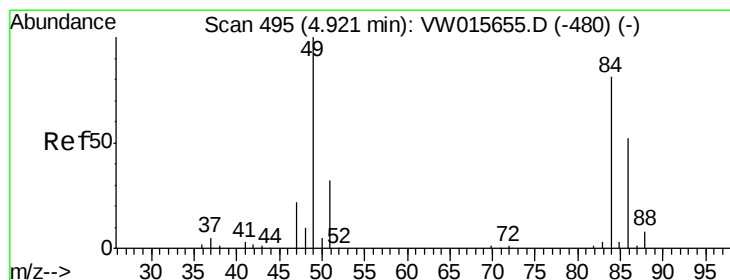
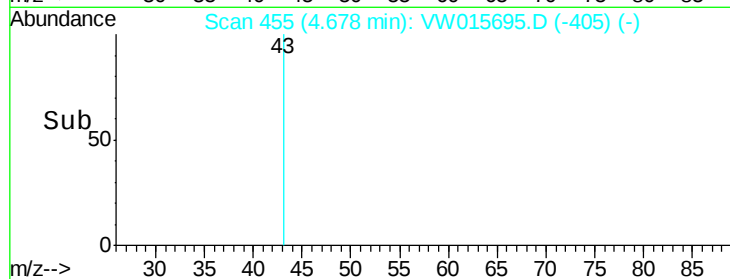
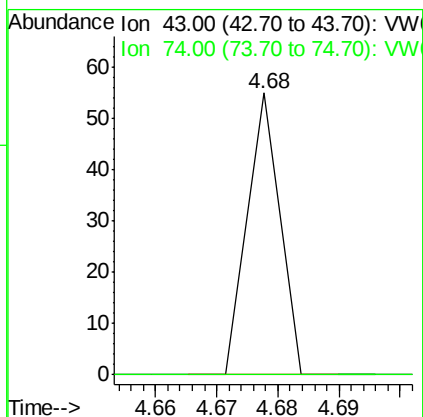
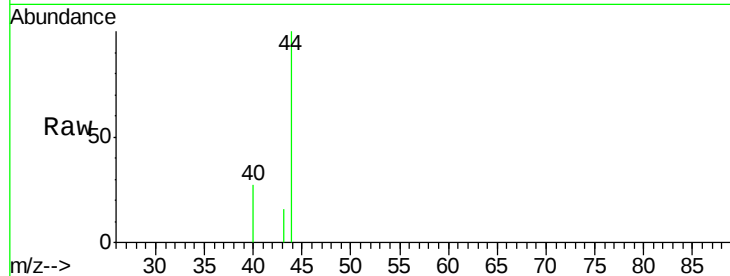




#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015695.D
Acq: 24 Jun 2020 20:36

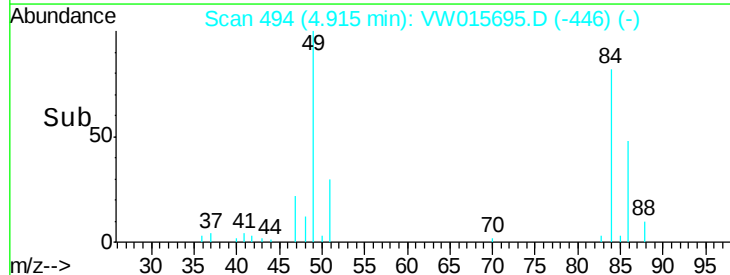
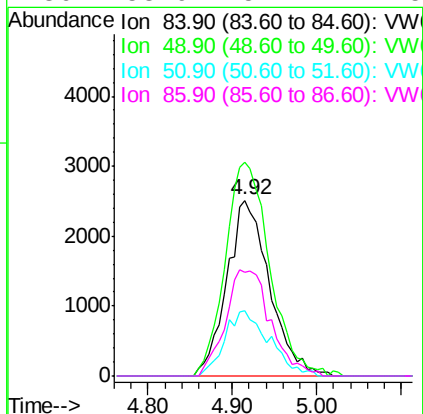
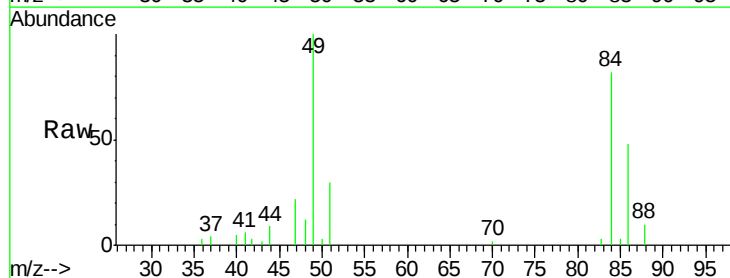
Instrument :
MSVOA_W
ClientSampleId :
RB47185-RT

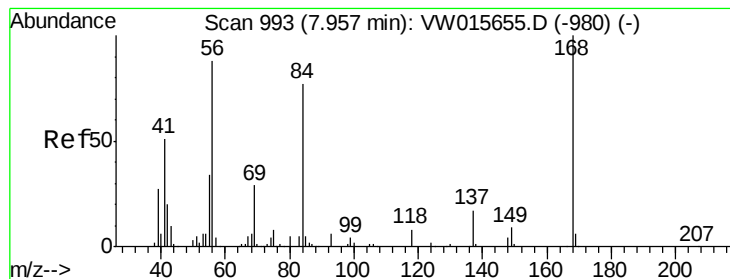
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 1.129 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015695.D
Acq: 24 Jun 2020 20:36

Tgt Ion: 84 Resp: 8650
Ion Ratio Lower Upper
84 100
49 121.5 99.3 148.9
51 37.0 31.8 47.6
86 58.9 51.7 77.5





#31

Cyclohexane

Concen: 1.377 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015695.D

Acq: 24 Jun 2020 20:36

Instrument :

MSVOA_W

ClientSampleId :

RB47185-RT

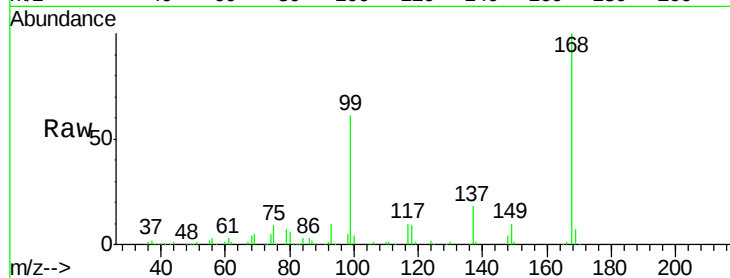
Tgt Ion: 56 Resp: 3970

Ion Ratio Lower Upper

56 100

69 153.4 26.2 39.4#

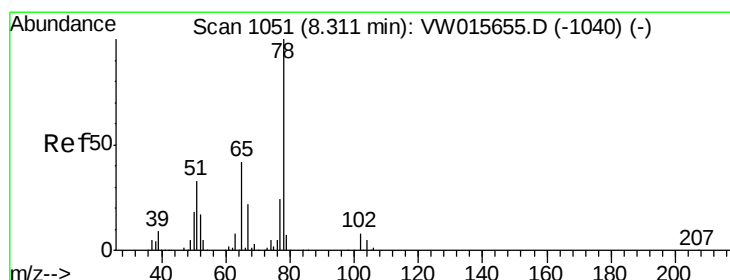
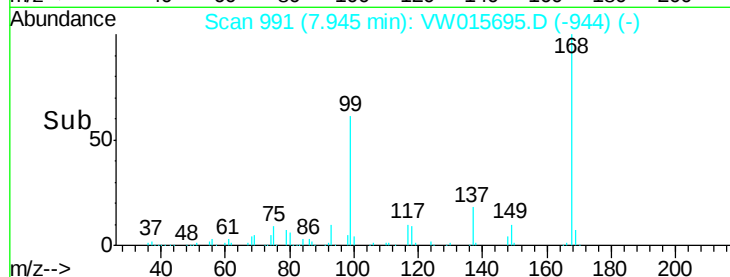
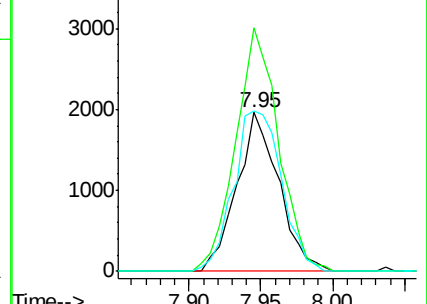
84 101.0 70.4 105.6



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: 59.407 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015695.D

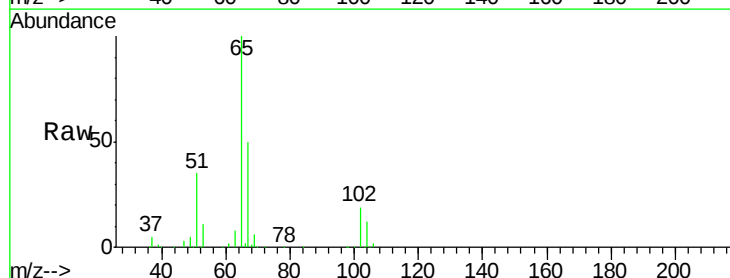
Acq: 24 Jun 2020 20:36

Tgt Ion: 65 Resp: 99404

Ion Ratio Lower Upper

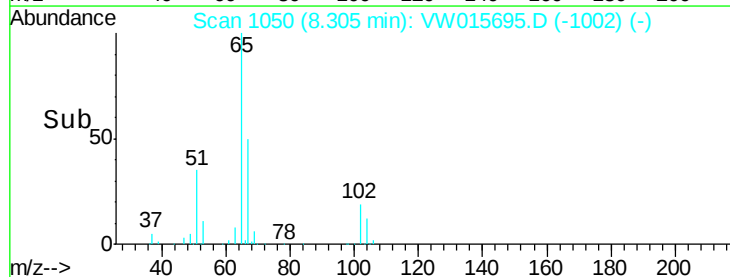
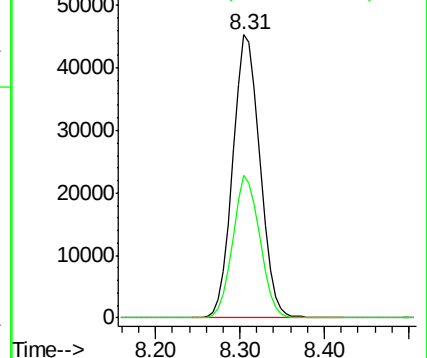
65 100

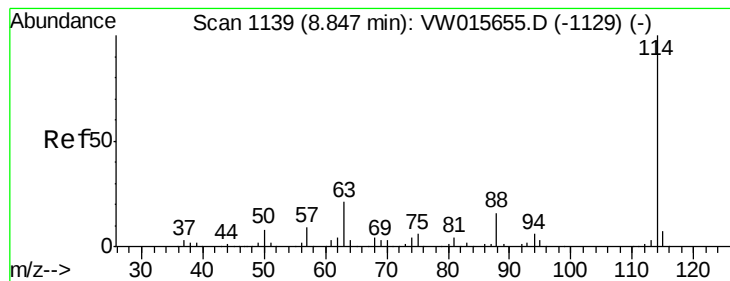
67 49.9 0.0 102.2



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: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015695.D

Acq: 24 Jun 2020 20:36

Instrument :

MSVOA_W

ClientSampleId :

RB47185-RT

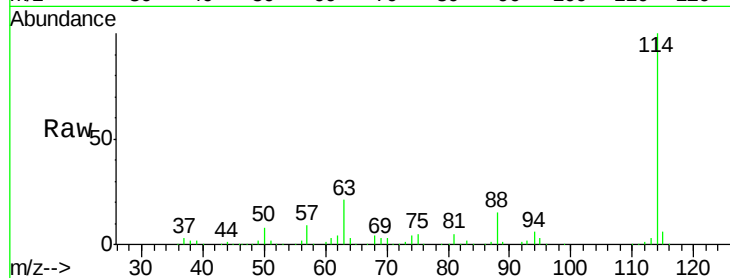
Tgt Ion:114 Resp: 272952

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.3 0.0 32.6



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

150000

100000

50000

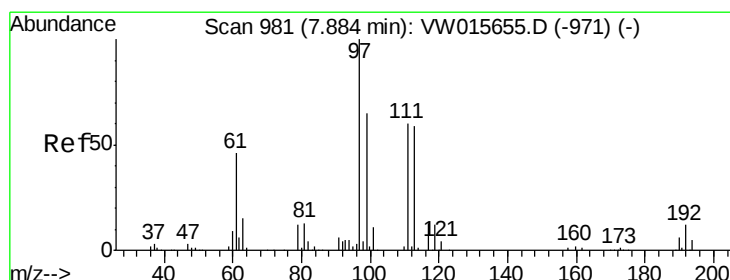
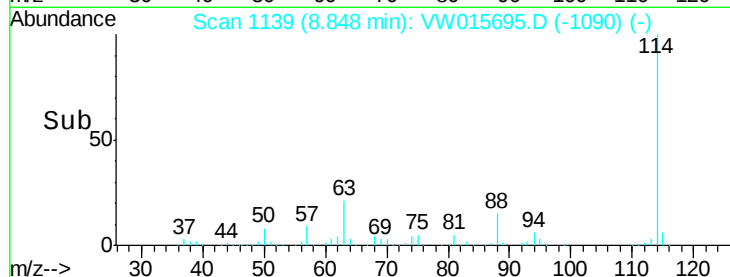
0

8.85

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 50.602 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015695.D

Acq: 24 Jun 2020 20:36

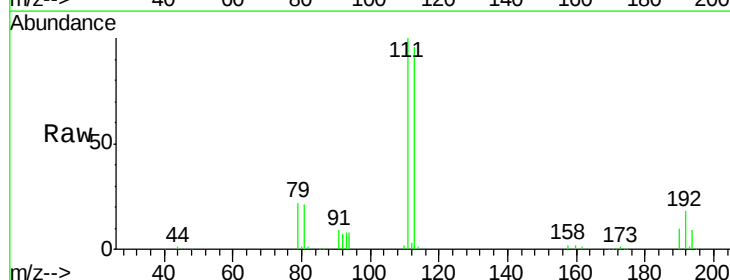
Tgt Ion:113 Resp: 86881

Ion Ratio Lower Upper

113 100

111 102.6 82.3 123.5

192 20.0 16.4 24.6



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

50000

40000

30000

20000

10000

0

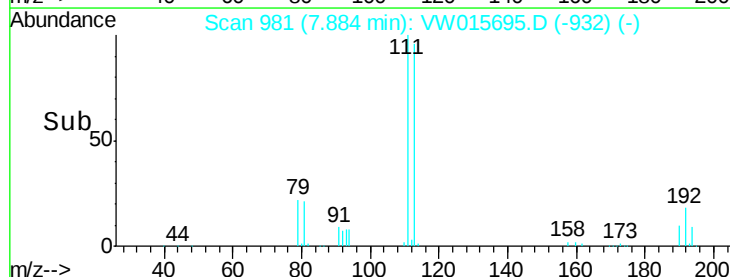
7.88

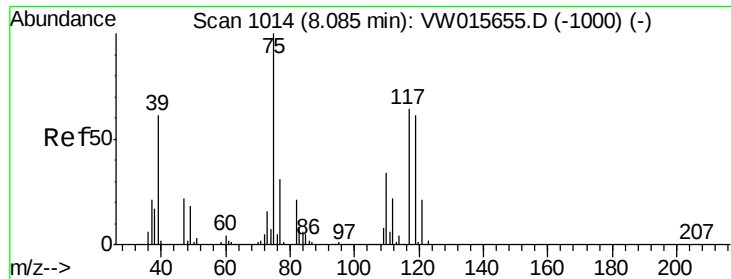
7.80

7.90

8.00

Time-->

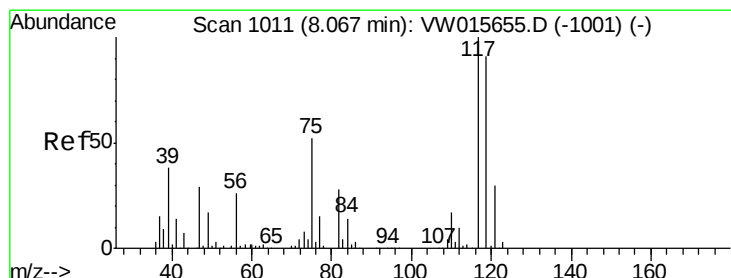
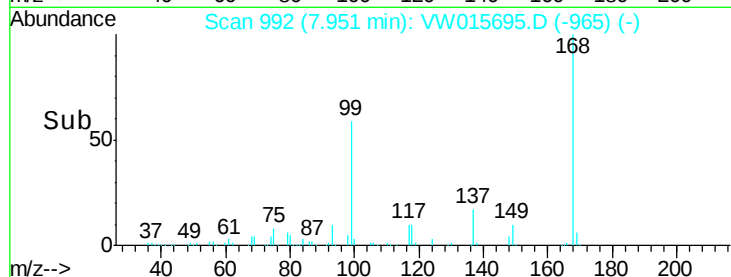
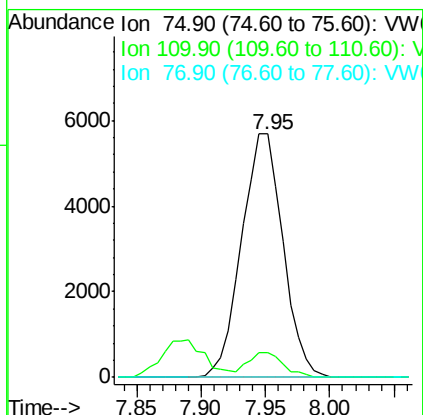
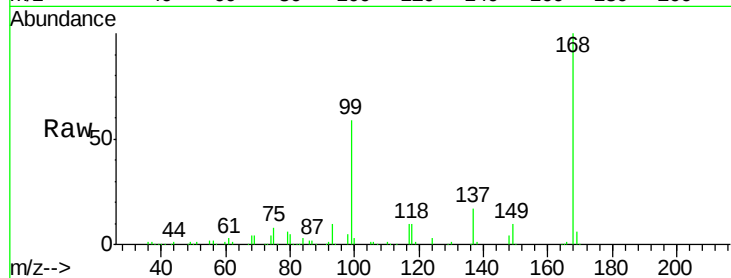




#36
 1,1-Dichloropropene
 Concen: 4.461 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015695.D
 Acq: 24 Jun 2020 20:36

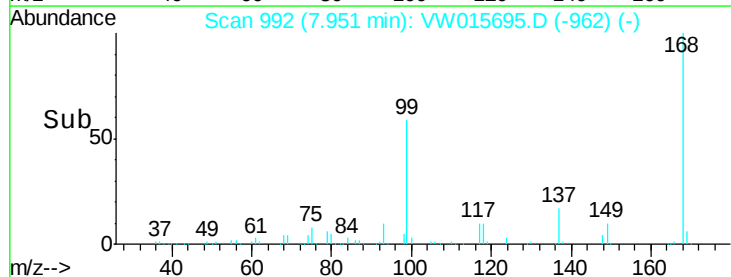
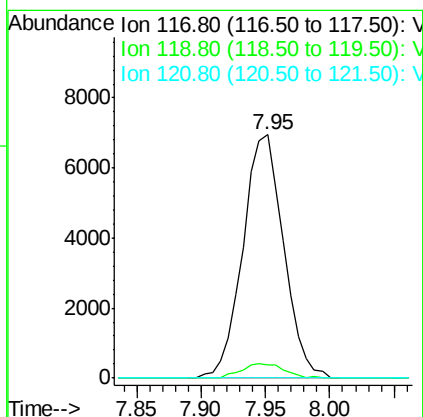
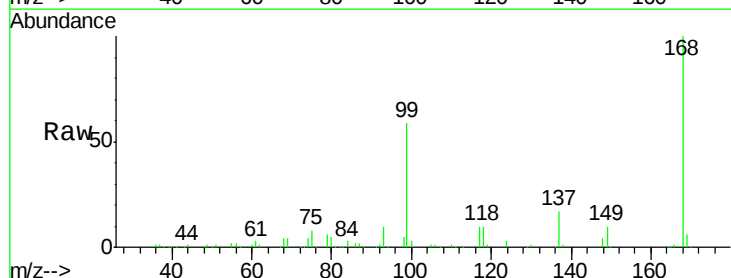
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47185-RT

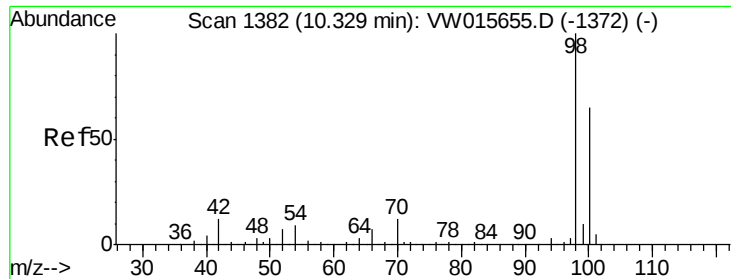
Tgt Ion: 75 Resp: 12666
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.519 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015695.D
 Acq: 24 Jun 2020 20:36

Tgt Ion: 117 Resp: 15188
 Ion Ratio Lower Upper
 117 100
 119 5.6 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.839 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015695.D

Acq: 24 Jun 2020 20:36

Instrument :

MSVOA_W

ClientSampleId :

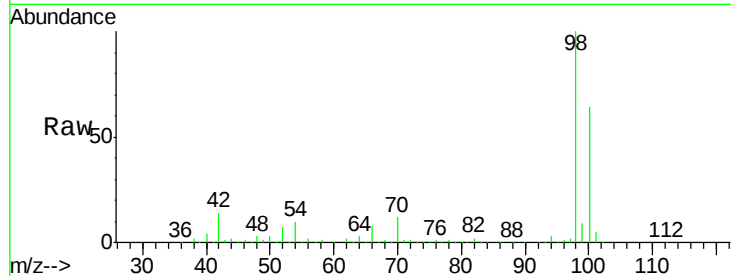
RB47185-RT

Tgt Ion: 98 Resp: 336756

Ion Ratio Lower Upper

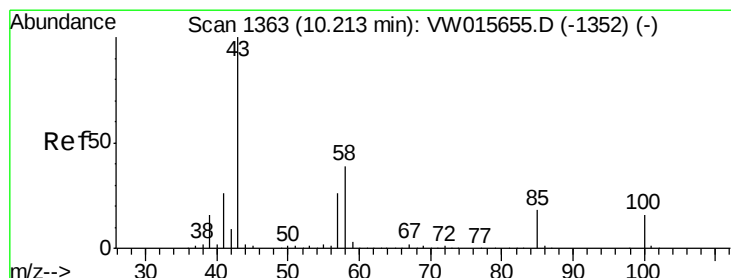
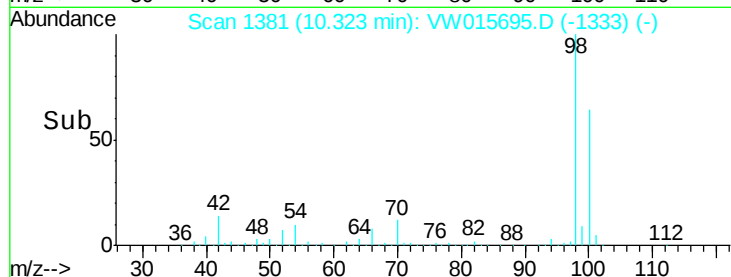
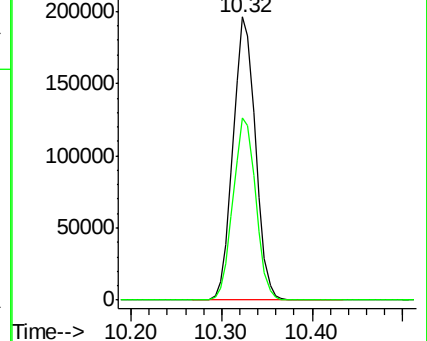
98 100

100 65.4 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: 1.725 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW015695.D

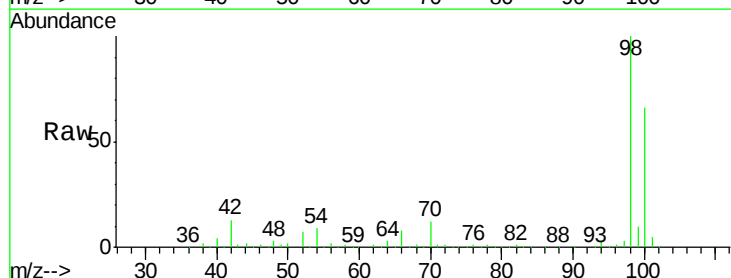
Acq: 24 Jun 2020 20:36

Tgt Ion: 43 Resp: 1800

Ion Ratio Lower Upper

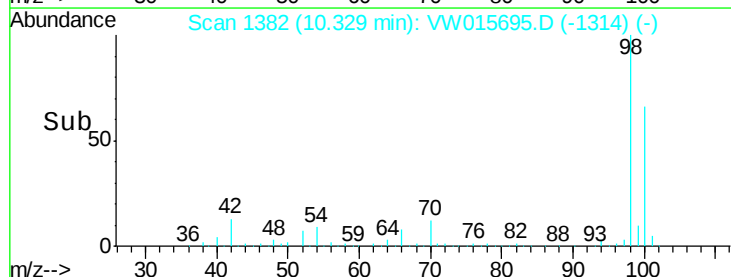
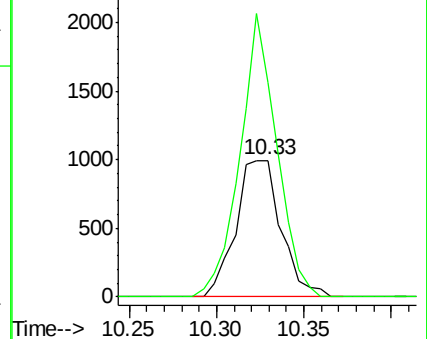
43 100

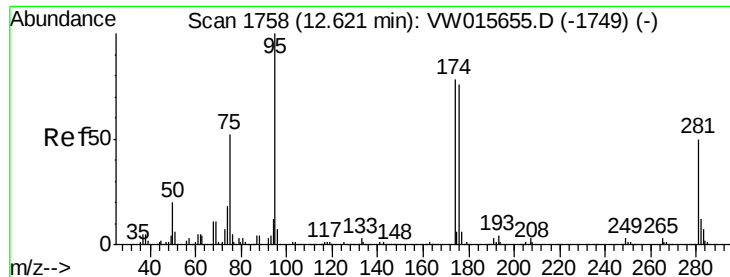
58 168.1 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

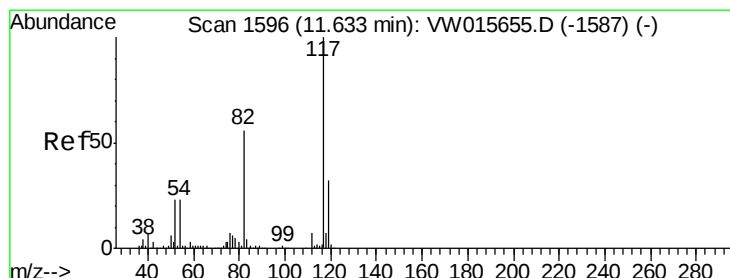
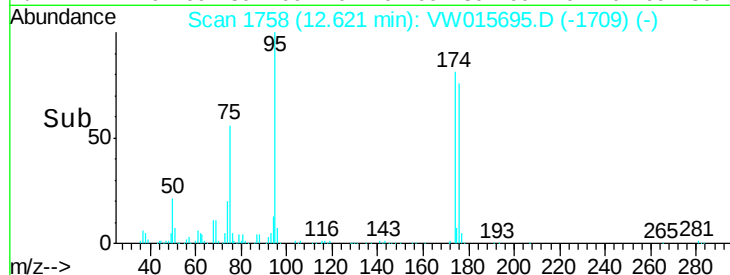
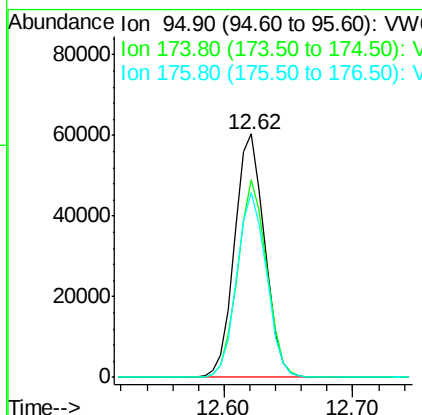
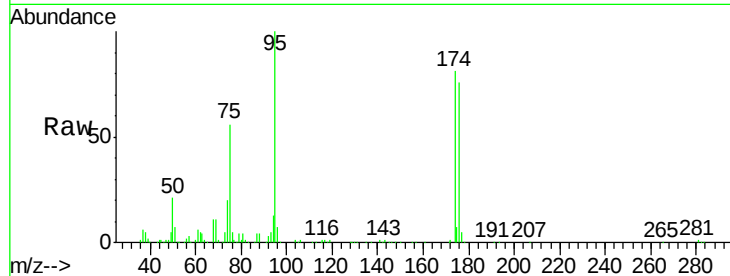




#62
4-Bromofluorobenzene
Concen: 39.228 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015695.D
Acq: 24 Jun 2020 20:36

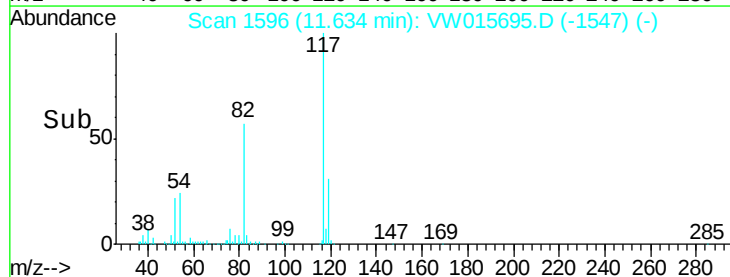
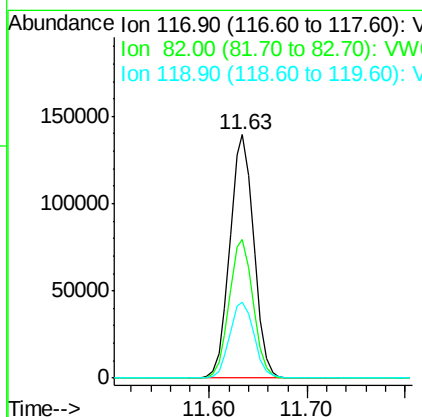
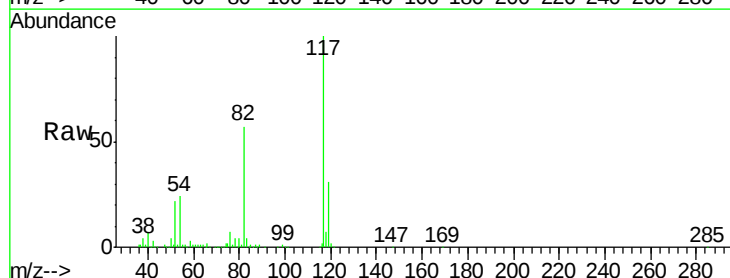
Instrument :
MSVOA_W
ClientSampleId :
RB47185-RT

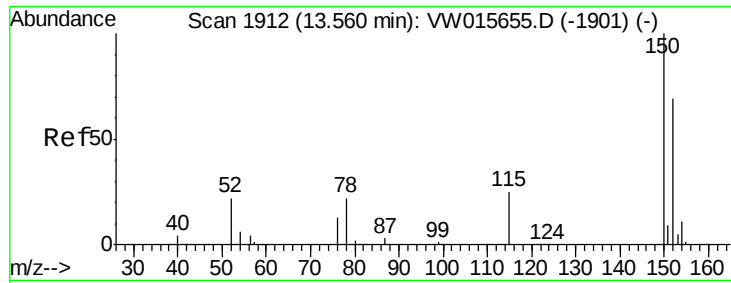
Tgt Ion: 95 Resp: 97615
Ion Ratio Lower Upper
95 100
174 78.7 0.0 157.0
176 74.7 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015695.D
Acq: 24 Jun 2020 20:36

Tgt Ion: 117 Resp: 236277
Ion Ratio Lower Upper
117 100
82 56.9 45.1 67.7
119 31.0 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: VW015695.D

Acq: 24 Jun 2020 20:36

Instrument :

MSVOA_W

ClientSampleId :

RB47185-RT

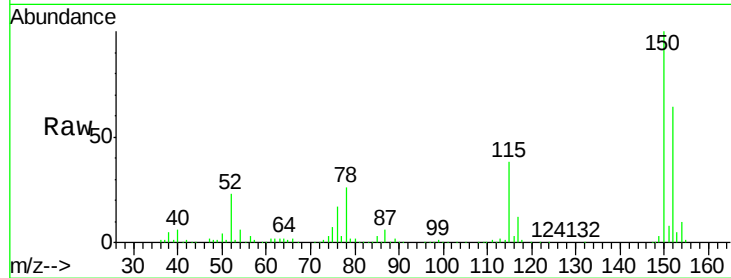
Tgt Ion:152 Resp: 87011

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.5

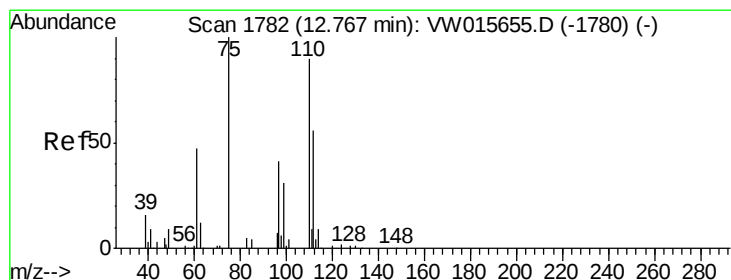
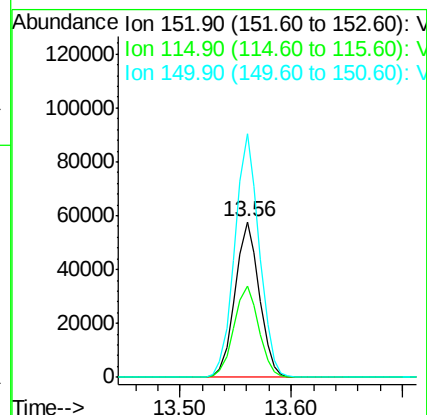
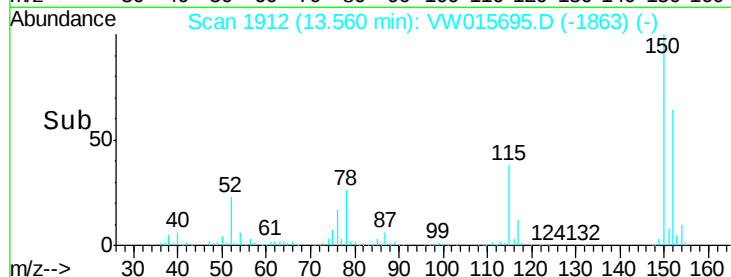
150 157.8 0.0 345.6



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: 66.461 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015695.D

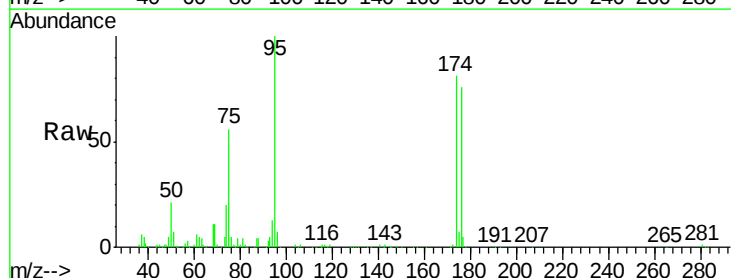
Acq: 24 Jun 2020 20:36

Tgt Ion: 75 Resp: 52748

Ion Ratio Lower Upper

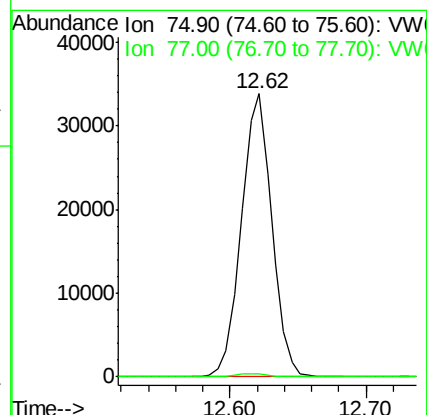
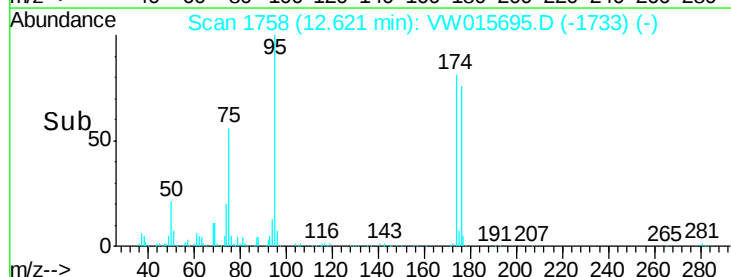
75 100

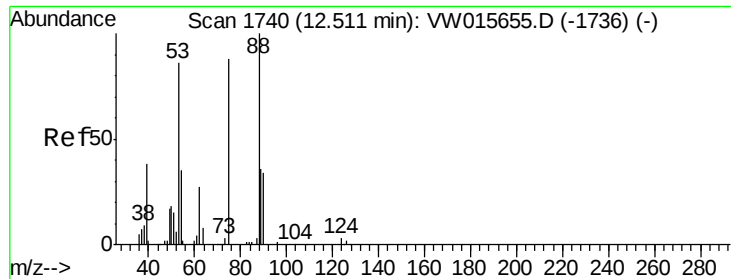
77 1.2 179.1 537.1#



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: 167.483 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015695.D

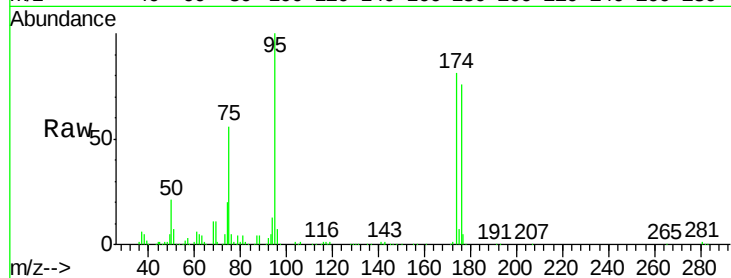
Acq: 24 Jun 2020 20:36

Instrument :

MSVOA_W

ClientSampleId :

RB47185-RT



Tgt Ion: 75 Resp: 52748

Ion Ratio Lower Upper

75 100

53 0.1 83.8 125.8#

89 0.0 36.6 55.0#

