

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015677.D
 Acq On : 24 Jun 2020 12:42
 Operator : SY/VA
 Sample : L3090-02
 Misc : 6.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 359-RO

Quant Time: Jun 25 02:03:06 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	161671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	289281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	103019	57.27	ug/l	0.00
Spiked Amount			Recovery	=	114.54%	
35) Dibromofluoromethane	7.89	113	91697	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.33	98	356297	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	116625	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	

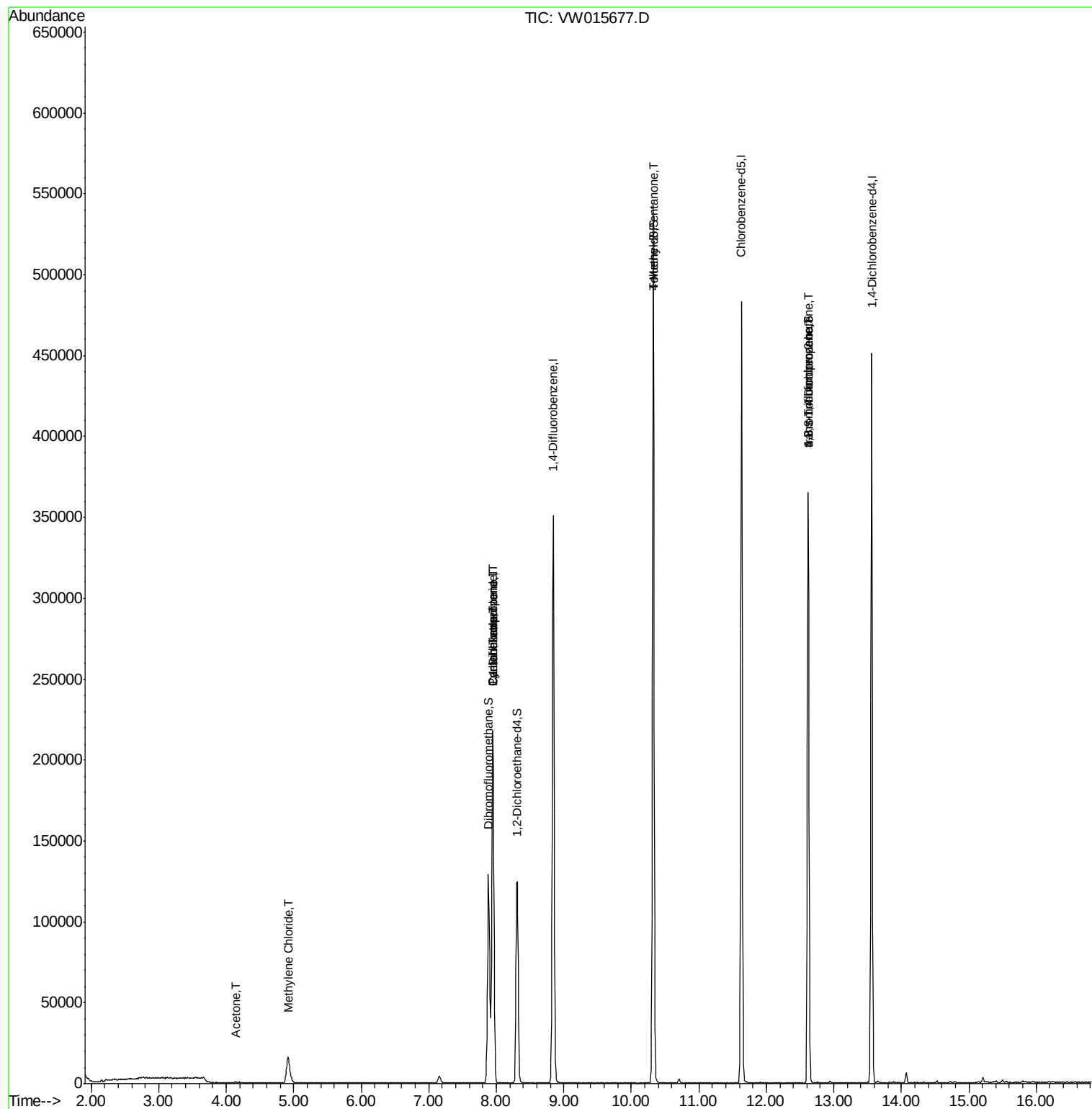
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	1339	3.916	ug/l #	86
18) Methyl Acetate	4.69	43	22	Below Cal	#	52
20) Methylene Chloride	4.92	84	13702	4.037	ug/l	98
31) Cyclohexane	7.95	56	3974	1.283	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	13258	4.406	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16350	5.606	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1830	1.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	63095	61.027	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	63095	153.790	ug/l #	8

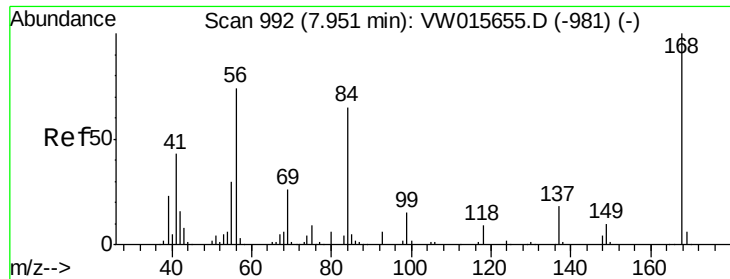
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015677.D

Acq: 24 Jun 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

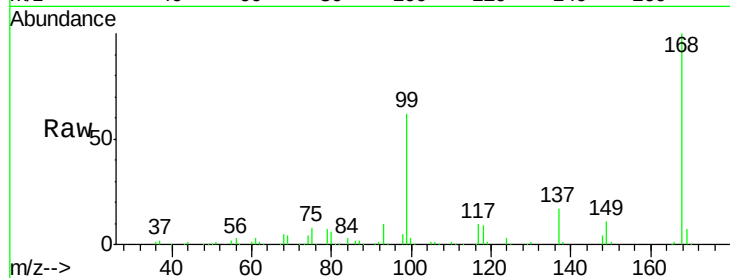
359-RO

Tgt Ion: 168 Resp: 161671

Ion Ratio Lower Upper

168 100

99 61.6 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

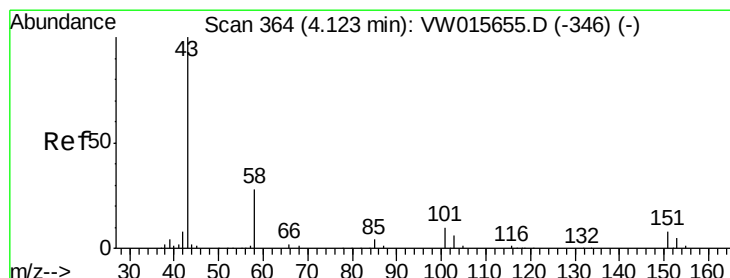
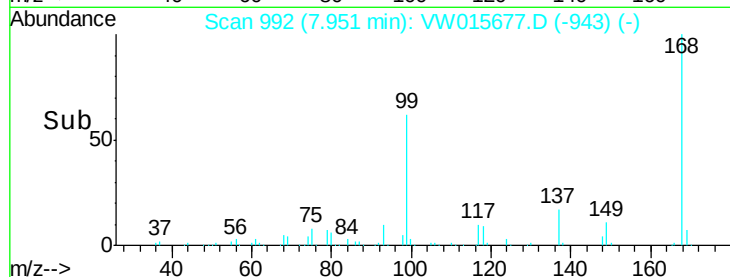
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 3.916 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015677.D

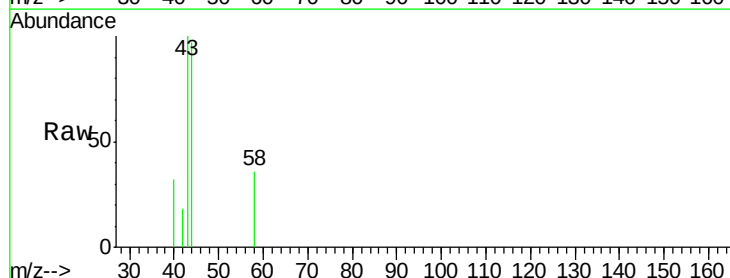
Acq: 24 Jun 2020 12:42

Tgt Ion: 43 Resp: 1339

Ion Ratio Lower Upper

43 100

58 35.6 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

400

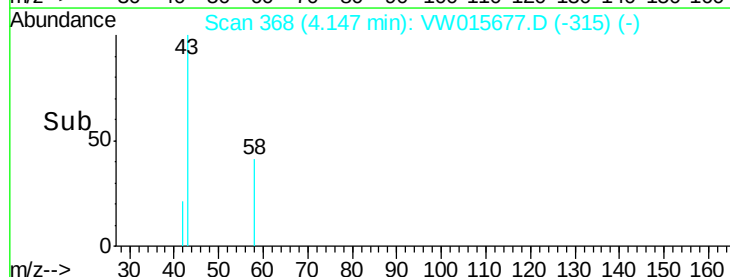
300

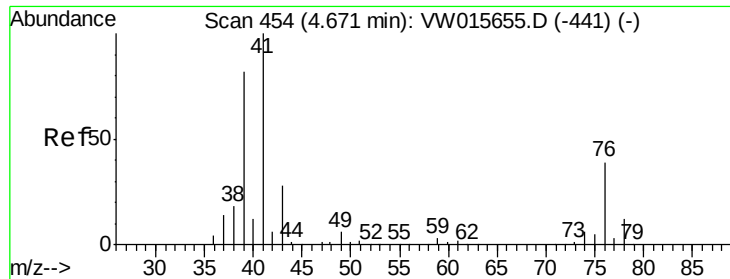
200

100

0

Time--> 4.10 4.20

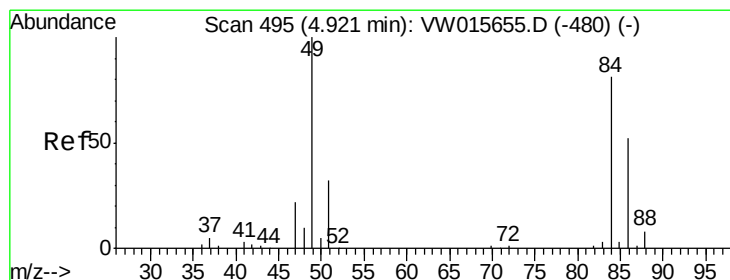
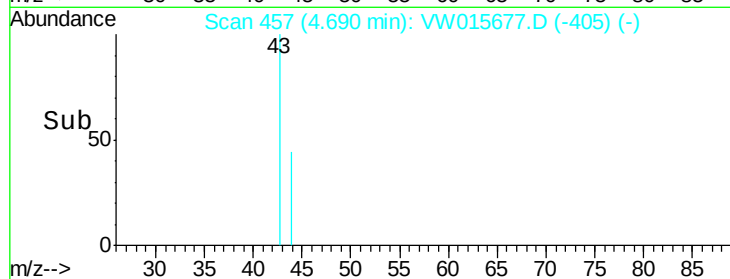
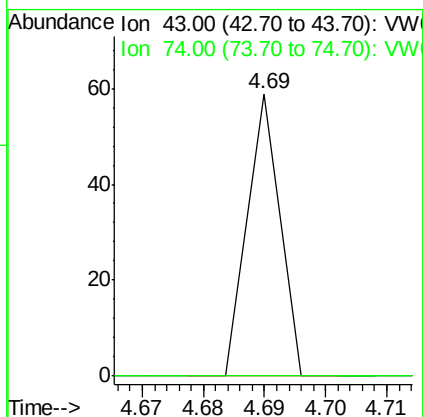
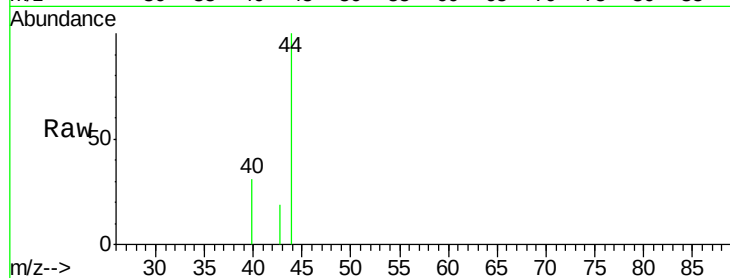




#18
Methyl Acetate
Concen: Below Cal
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW015677.D
Acq: 24 Jun 2020 12:42

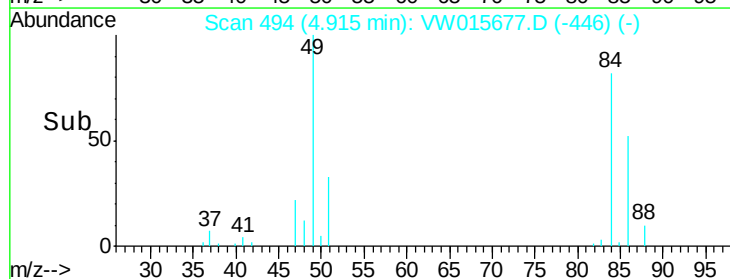
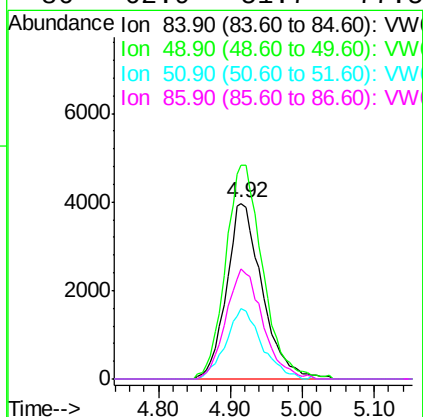
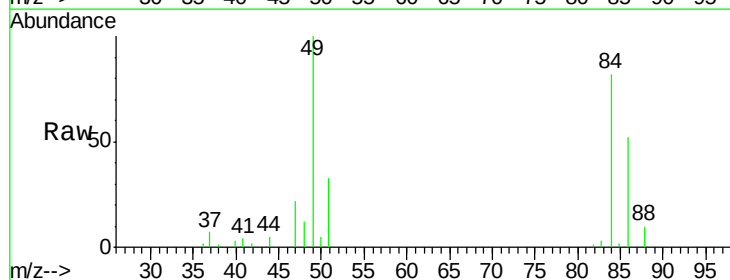
Instrument :
MSVOA_W
ClientSampled :
359-RO

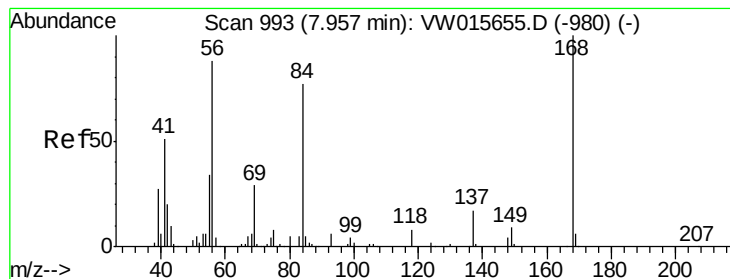
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 4.037 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015677.D
Acq: 24 Jun 2020 12:42

Tgt Ion: 84 Resp: 13702
Ion Ratio Lower Upper
84 100
49 121.4 99.3 148.9
51 40.3 31.8 47.6
86 62.9 51.7 77.5





#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015677.D

Acq: 24 Jun 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

359-RO

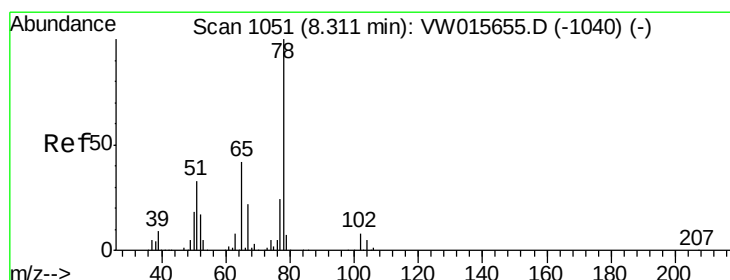
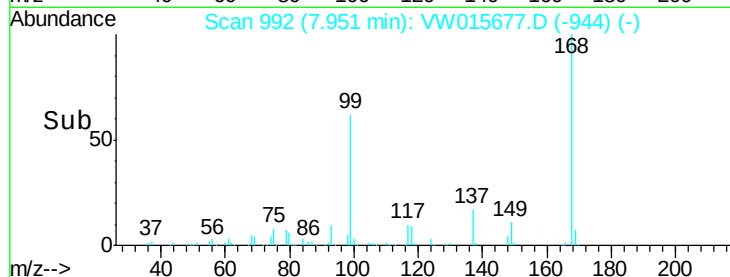
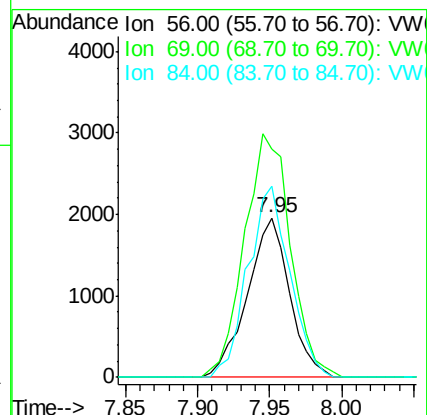
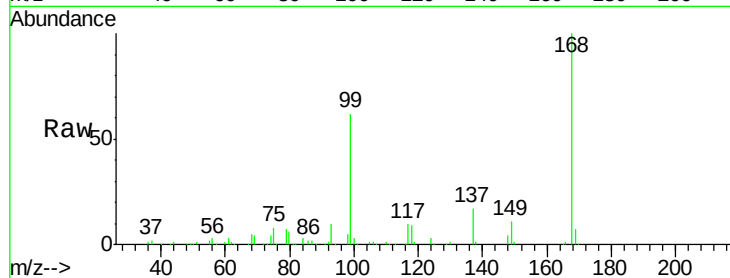
Tgt Ion: 56 Resp: 3974

Ion Ratio Lower Upper

56 100

69 143.0 26.2 39.4#

84 119.6 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 57.271 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015677.D

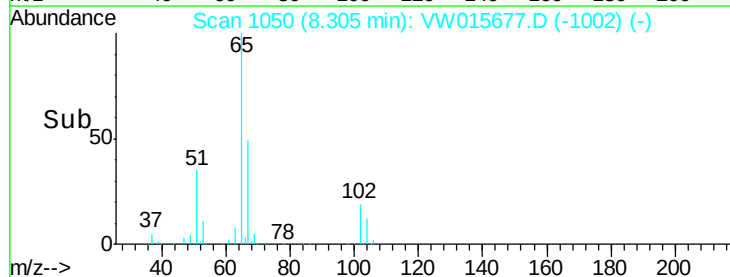
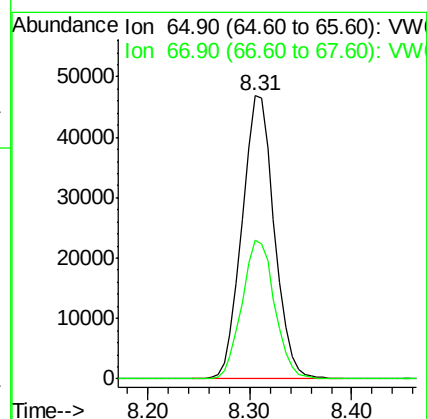
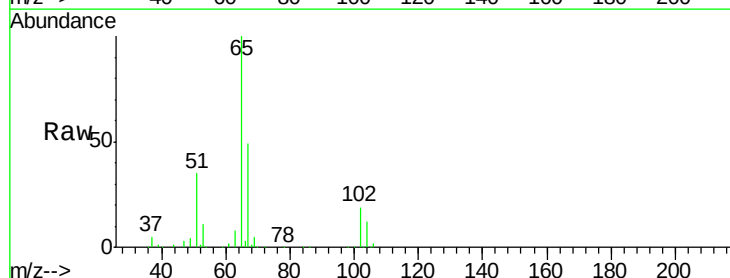
Acq: 24 Jun 2020 12:42

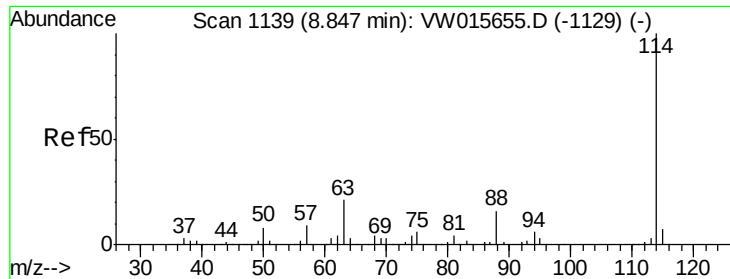
Tgt Ion: 65 Resp: 103019

Ion Ratio Lower Upper

65 100

67 49.6 0.0 102.2

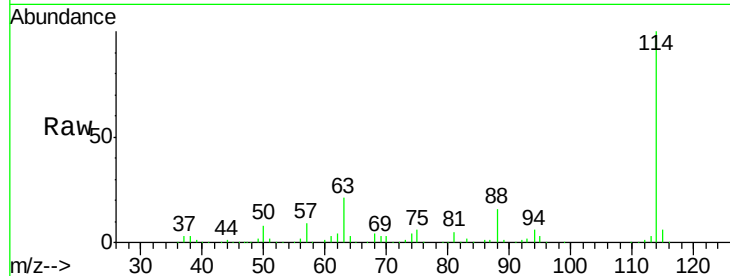




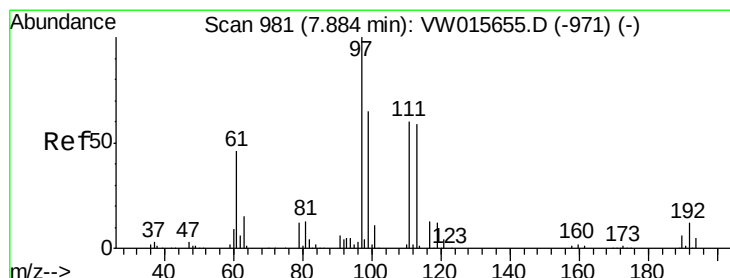
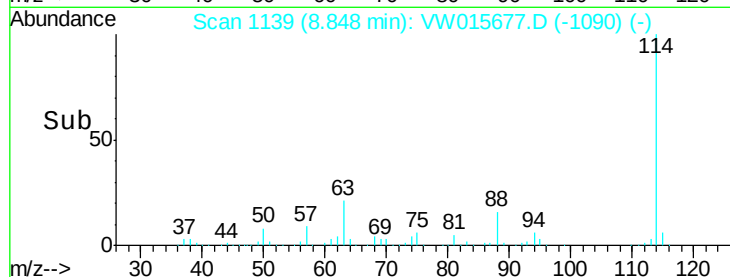
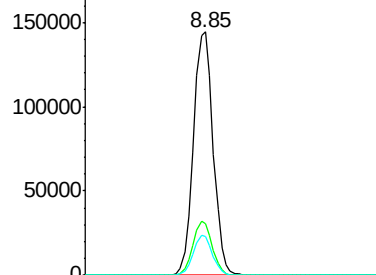
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW015677.D
Acq: 24 Jun 2020 12:42

Instrument :
MSVOA_W
ClientSampleId :
359-RO

Tgt Ion:114 Resp: 289281
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.4
88 16.1 0.0 32.6

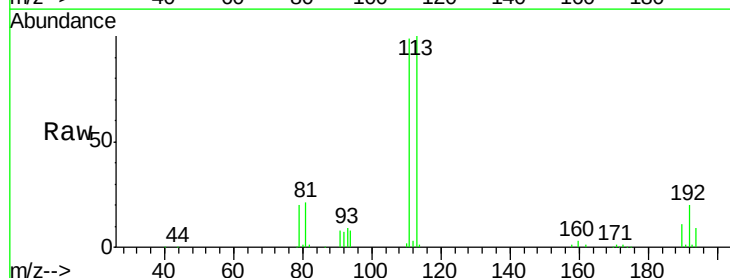


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

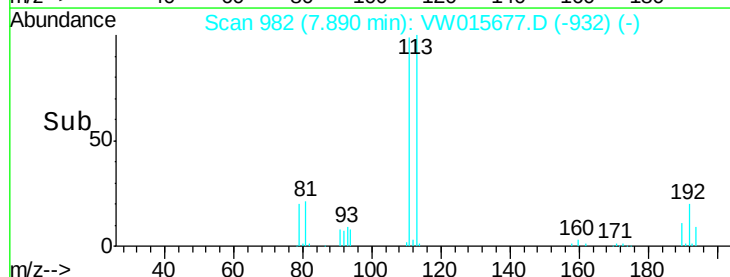
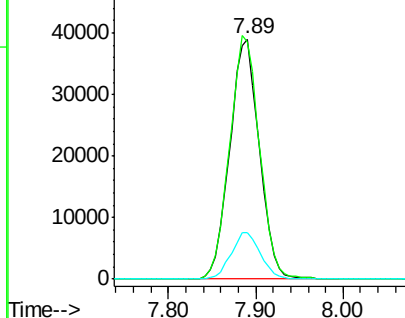


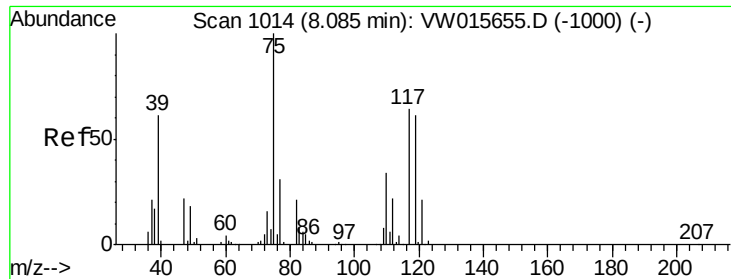
#35
Dibromofluoromethane
Concen: 50.392 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW015677.D
Acq: 24 Jun 2020 12:42

Tgt Ion:113 Resp: 91697
Ion Ratio Lower Upper
113 100
111 102.5 82.3 123.5
192 19.3 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

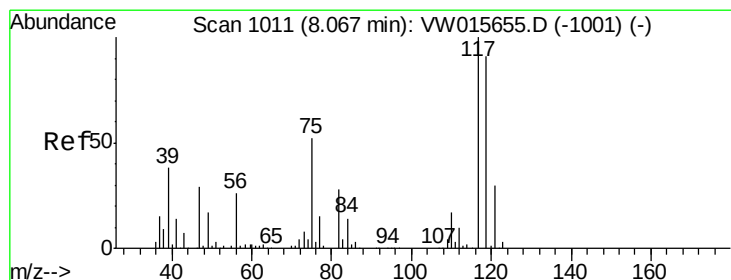
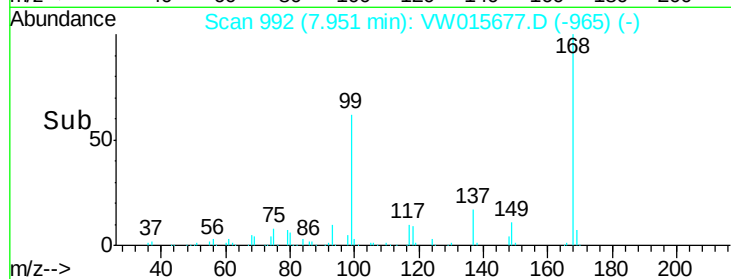
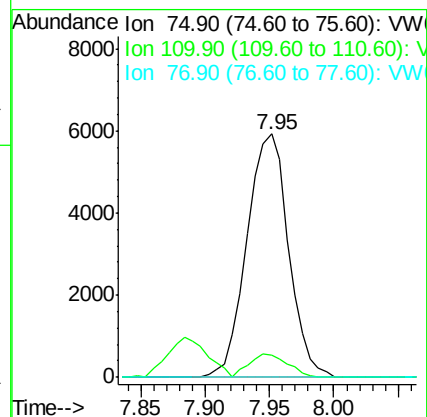
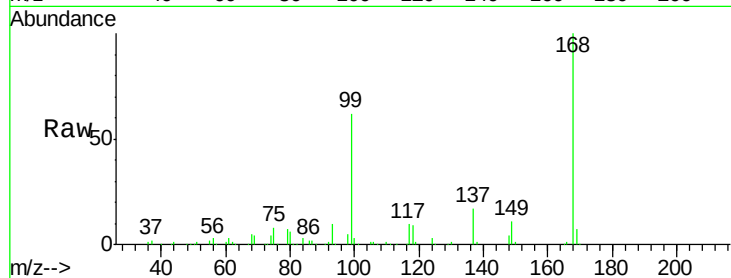




#36
 1,1-Dichloropropene
 Concen: 4.406 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015677.D
 Acq: 24 Jun 2020 12:42

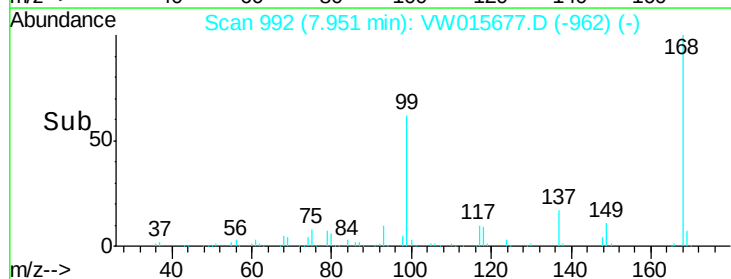
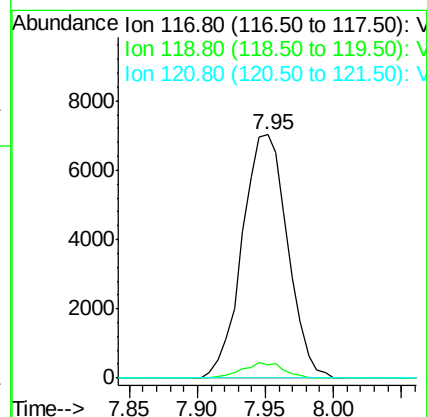
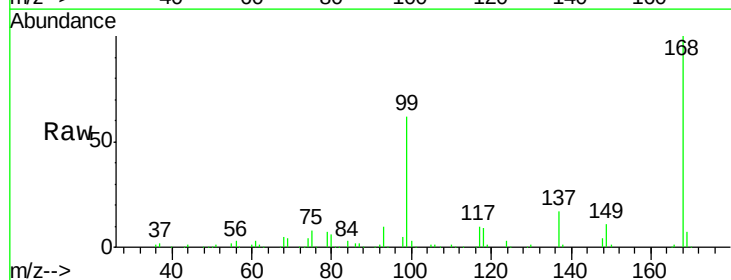
Instrument :
 MSVOA_W
 ClientSampleId :
 359-RO

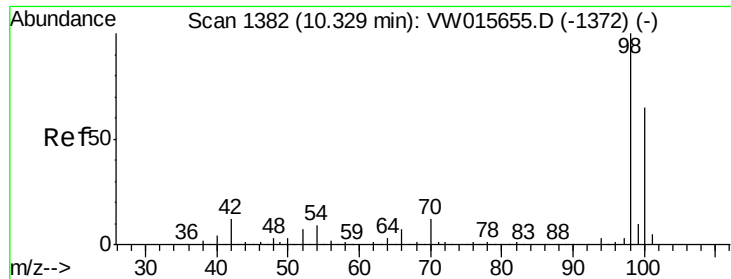
Tgt Ion: 75 Resp: 13258
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.606 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015677.D
 Acq: 24 Jun 2020 12:42

Tgt Ion: 117 Resp: 16350
 Ion Ratio Lower Upper
 117 100
 119 5.5 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.755 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015677.D

Acq: 24 Jun 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

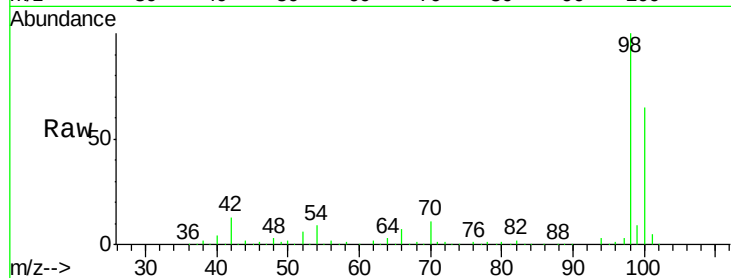
359-RO

Tgt Ion: 98 Resp: 356297

Ion Ratio Lower Upper

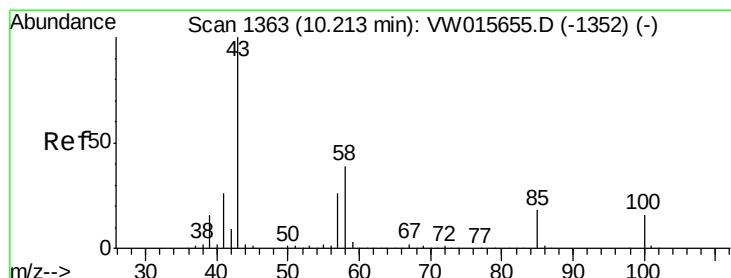
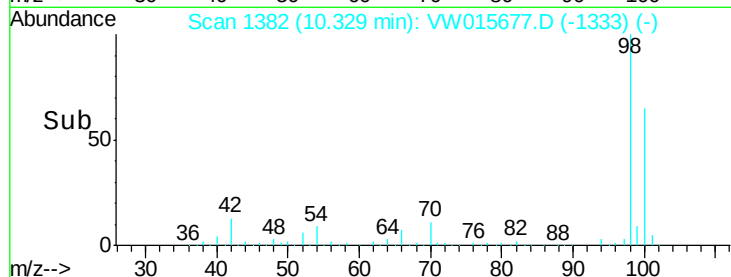
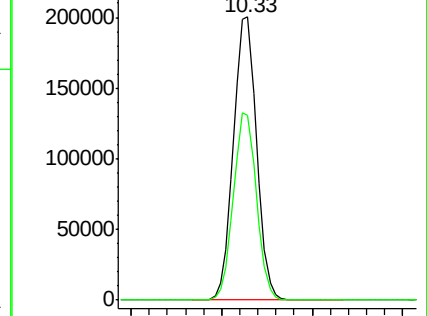
98 100

100 65.7 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: 1.655 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015677.D

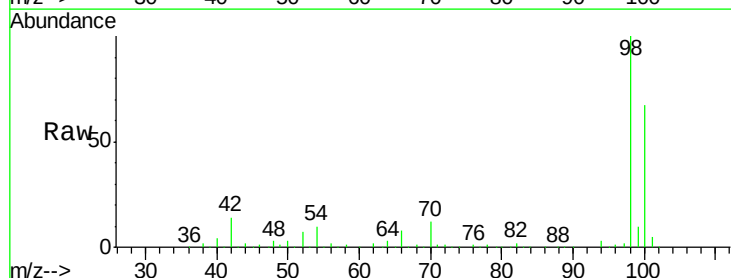
Acq: 24 Jun 2020 12:42

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

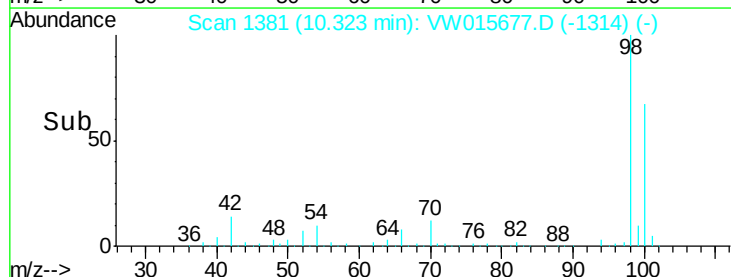
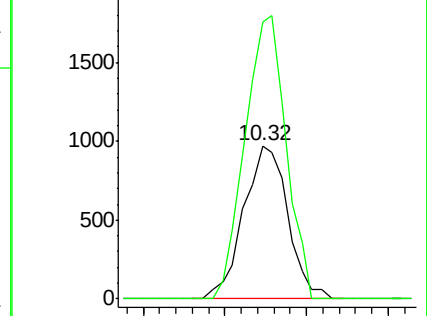
43 100

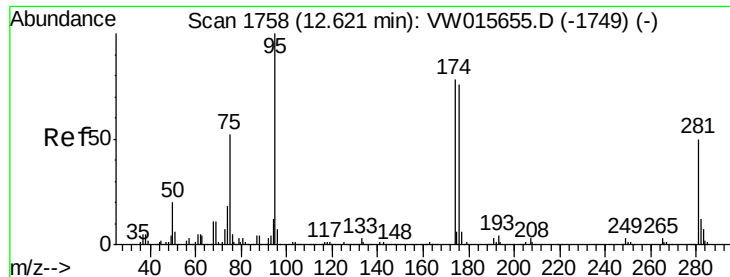
58 172.1 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 44.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015677.D

Acq: 24 Jun 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

359-RO

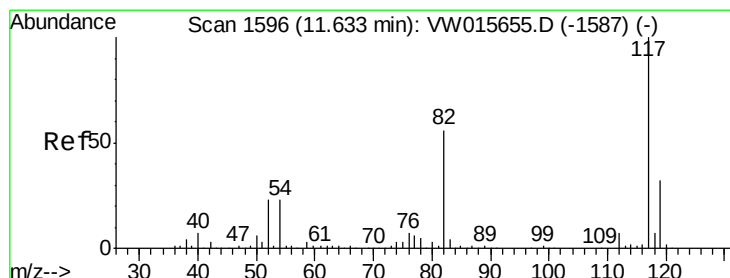
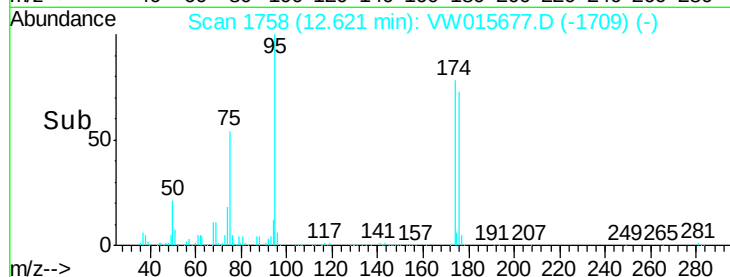
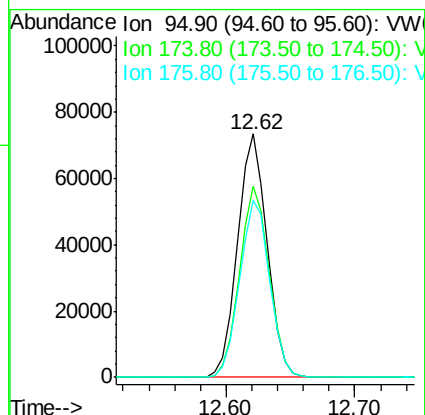
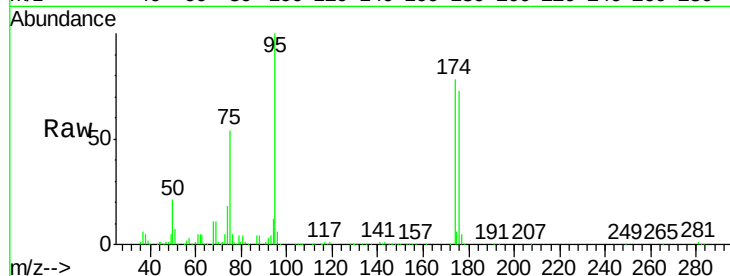
Tgt Ion: 95 Resp: 116625

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.0

176 73.8 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: VW015677.D

Acq: 24 Jun 2020 12:42

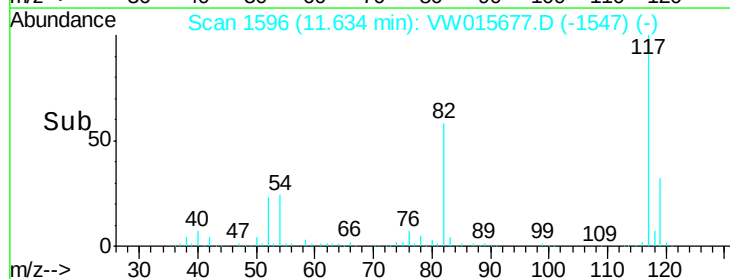
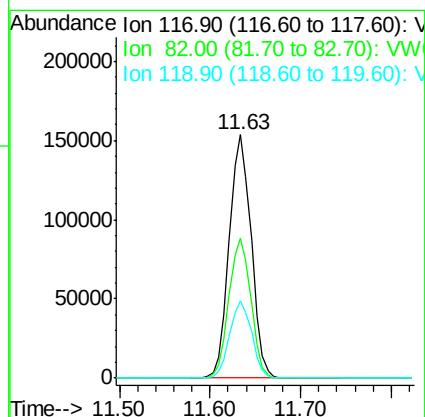
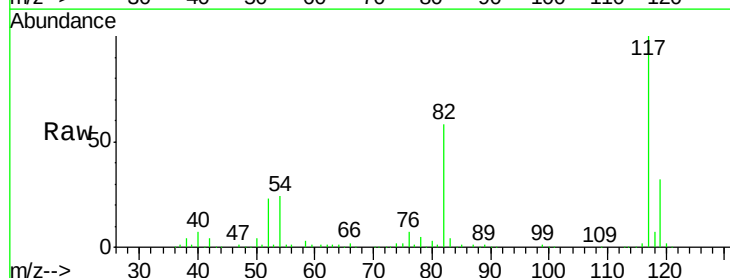
Tgt Ion: 117 Resp: 258134

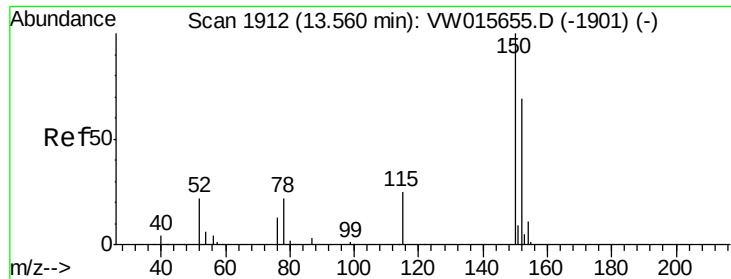
Ion Ratio Lower Upper

117 100

82 57.6 45.1 67.7

119 31.7 25.8 38.8

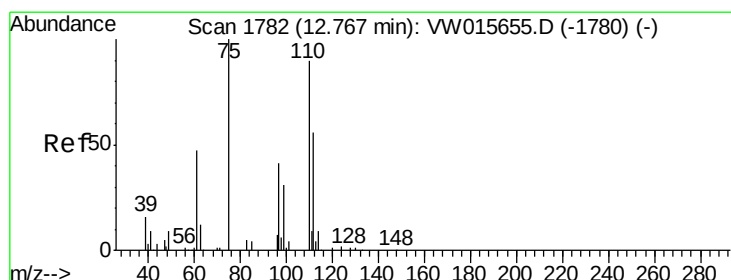
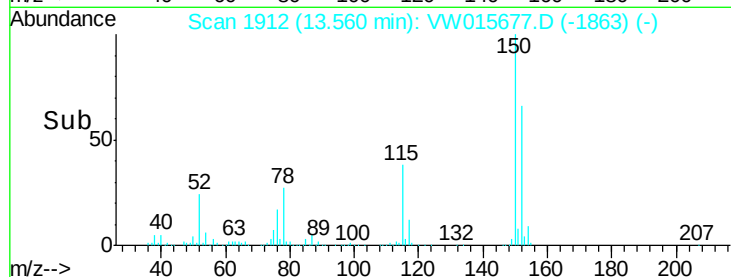
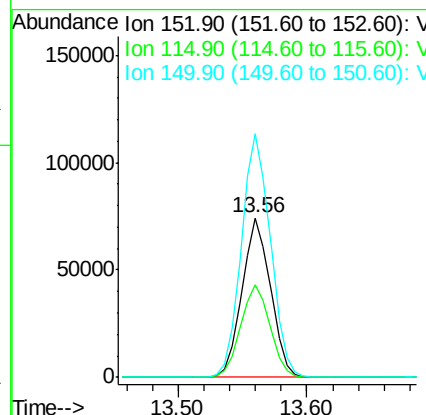
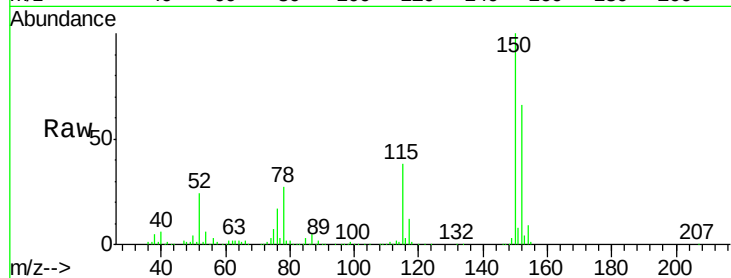




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW015677.D
 Acq: 24 Jun 2020 12:42

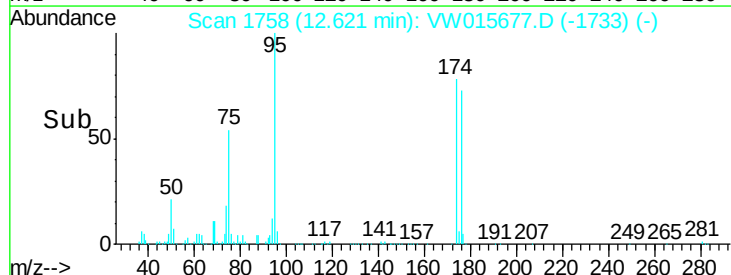
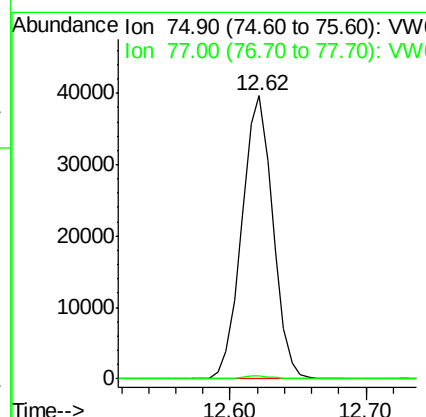
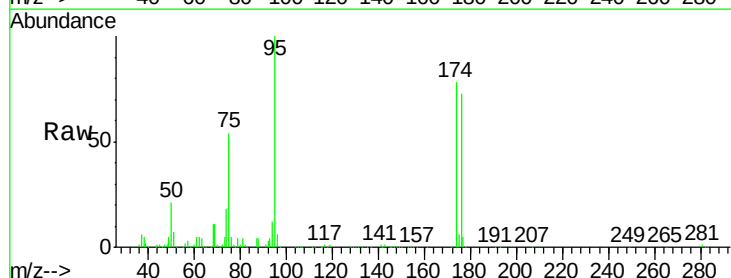
Instrument :
 MSVOA_W
 ClientSampleId :
 359-RO

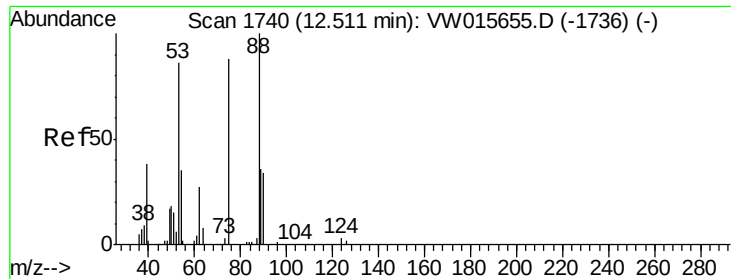
Tgt Ion:152 Resp: 113346
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.1 90.5
 150 156.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 61.027 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW015677.D
 Acq: 24 Jun 2020 12:42

Tgt Ion: 75 Resp: 63095
 Ion Ratio Lower Upper
 75 100
 77 1.2 179.1 537.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 153.790 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015677.D

Acq: 24 Jun 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

359-RO

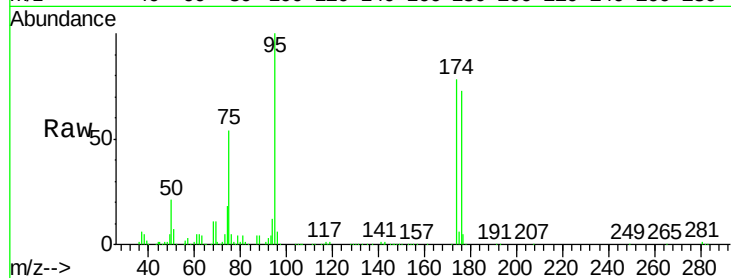
Tgt Ion: 75 Resp: 63095

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

