

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015663.D
 Acq On : 23 Jun 2020 15:54
 Operator : SY/VA
 Sample : L3020-16
 Misc : 6.58G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MW-27(13-15)

Quant Time: Jun 24 03:06:23 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	56000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	96667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	87019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	35312	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	37411	60.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.08%	
35) Dibromofluoromethane	7.89	113	31450	51.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.44%	
50) Toluene-d8	10.33	98	115365	48.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.62	95	38181	43.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.64%	

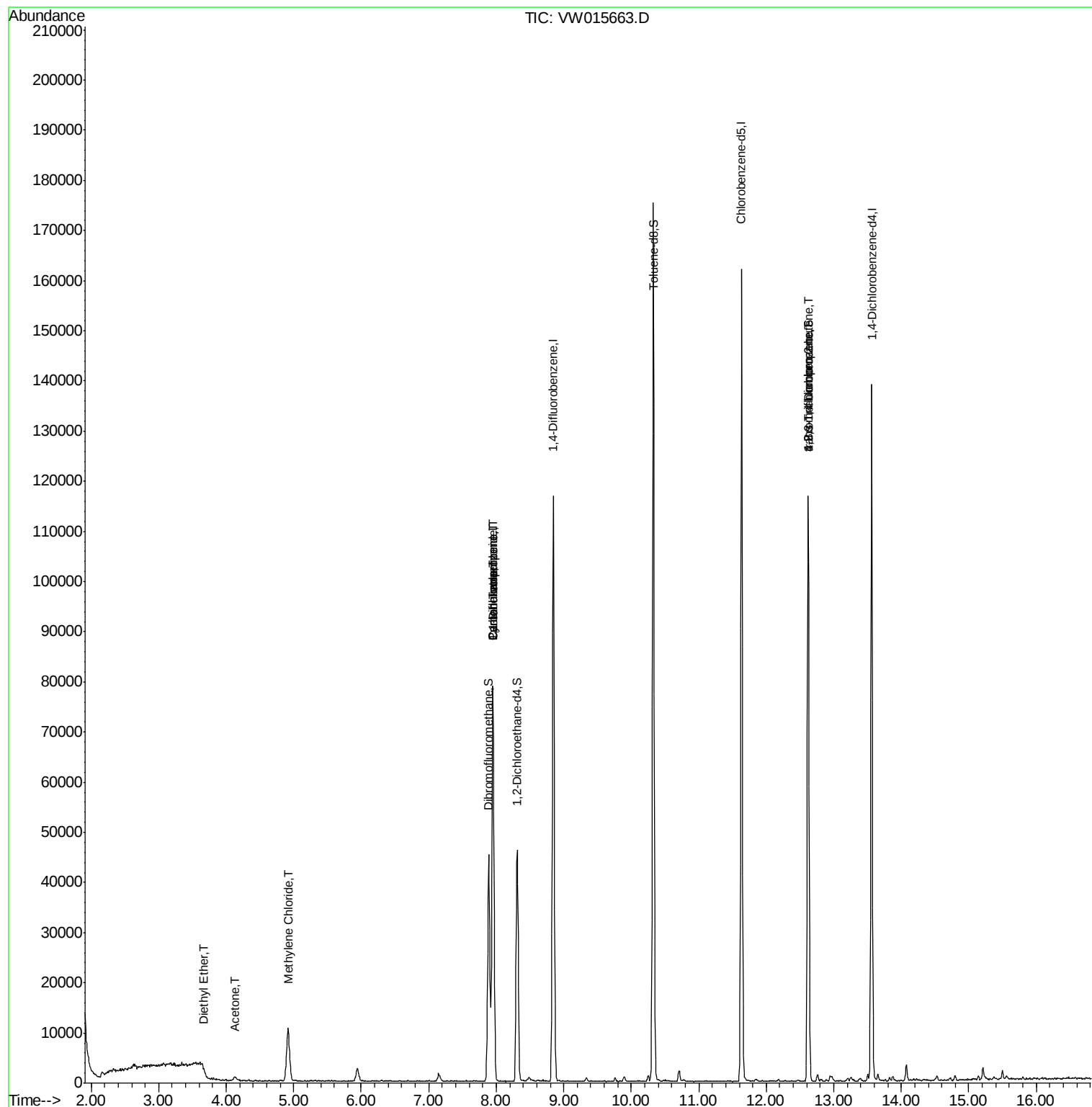
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	297	1.081	ug/l #	44
16) Acetone	4.13	43	1414	11.938	ug/l #	77
18) Methyl Acetate	4.68	43	19	Below Cal	#	52
20) Methylene Chloride	4.92	84	7844	9.942	ug/l	98
31) Cyclohexane	7.96	56	1533	1.428	ug/l #	51
36) 1,1-Dichloropropene	7.95	75	4853	4.827	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5728	5.877	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	21029	65.288	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21029	164.526	ug/l #	8

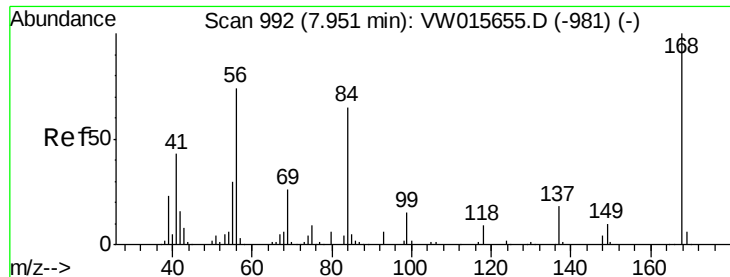
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
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: VW015663.D

Acq: 23 Jun 2020 15:54

Instrument :

MSVOA_W

ClientSampleId :

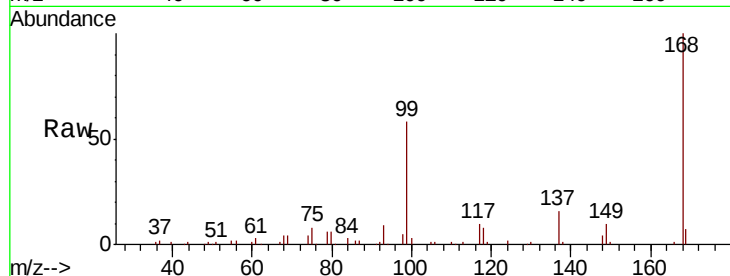
MW-27(13-15)

Tot Ion:168 Resp: 56000

Ion Ratio Lower Upper

168 100

99 57.9 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

30000

25000

20000

15000

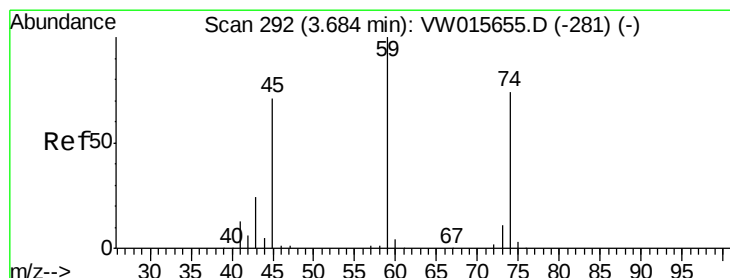
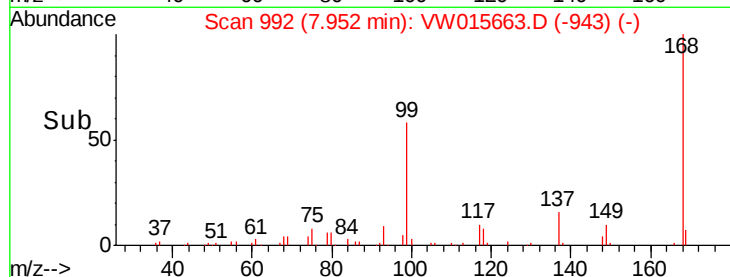
10000

5000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.081 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW015663.D

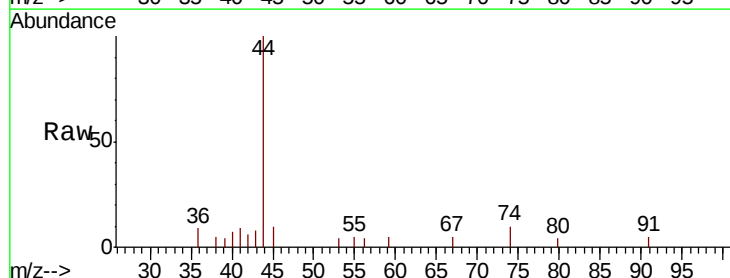
Acq: 23 Jun 2020 15:54

Tgt Ion: 74 Resp: 297

Ion Ratio Lower Upper

74 100

45 151.5 48.2 144.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

200

150

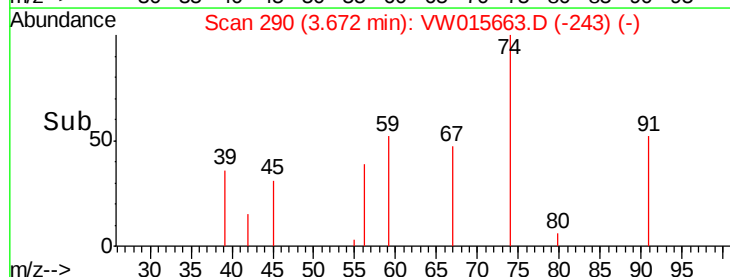
100

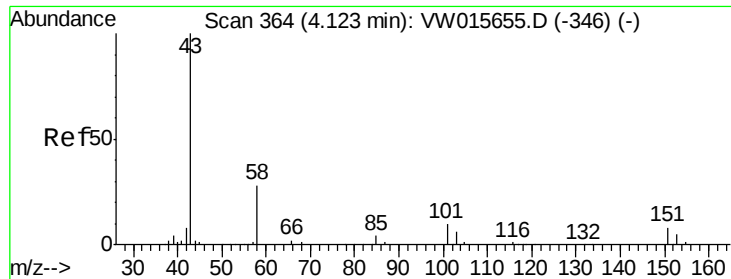
50

0

Time-->

3.65 3.70





#16

Acetone

Concen: 11.938 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015663.D

Acq: 23 Jun 2020 15:54

Instrument :

MSVOA_W

ClientSampleId :

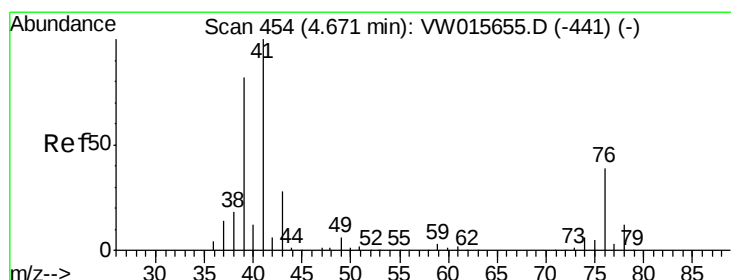
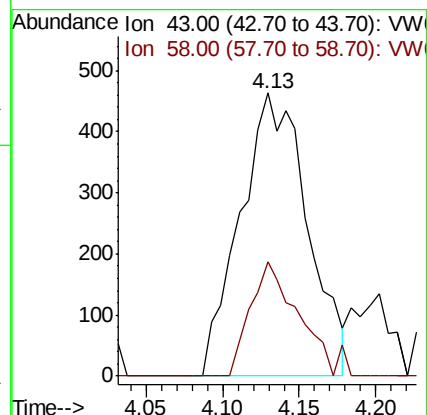
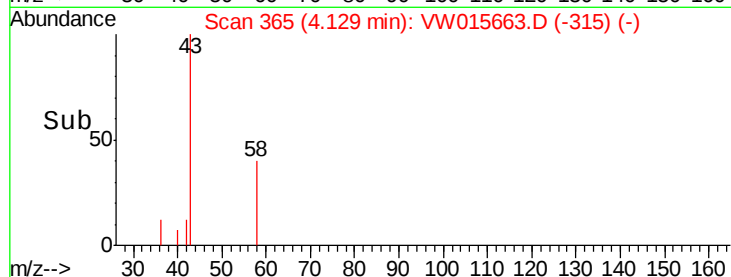
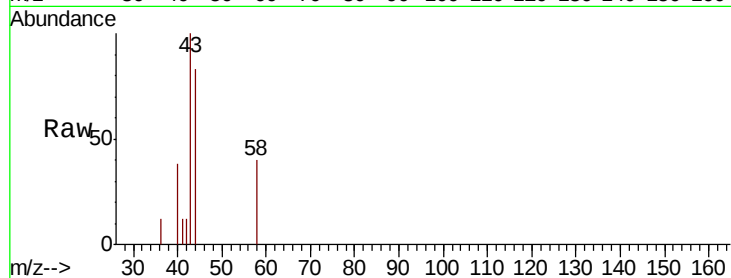
MW-27(13-15)

Tot Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 40.4 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015663.D

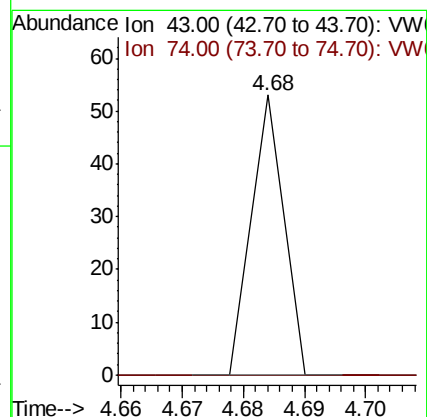
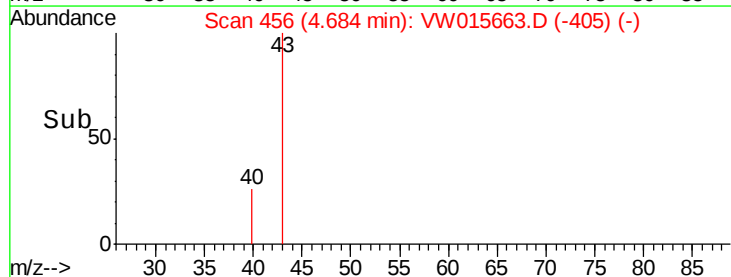
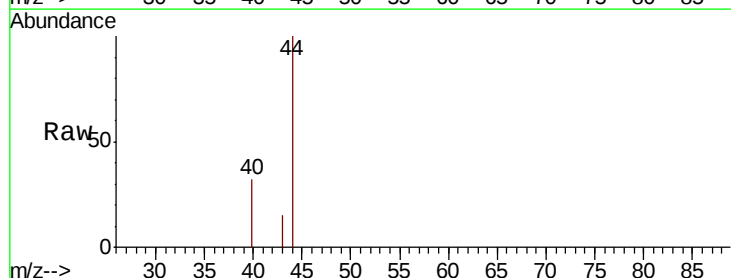
Acq: 23 Jun 2020 15:54

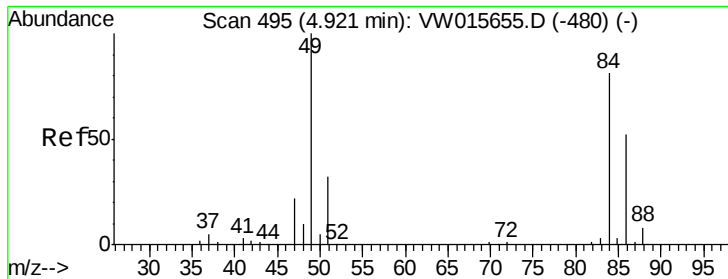
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

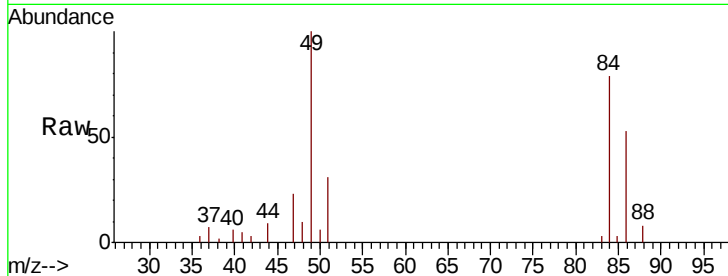




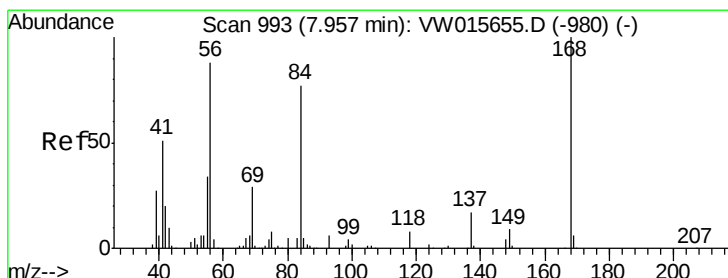
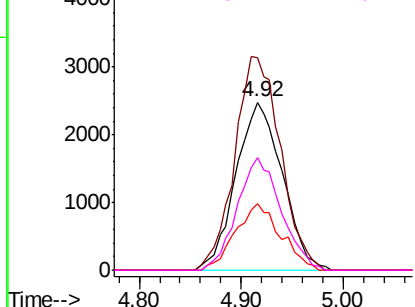
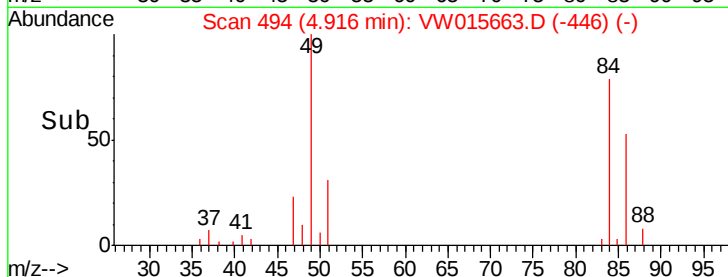
#20
Methvlene Chloride
Concen: 9.942 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015663.D
Acq: 23 Jun 2020 15:54

Instrument :
MSVOA_W
ClientSampleId :
MW-27(13-15)

Tot Ion: 84 Resp: 7844
Ion Ratio Lower Upper
84 100
49 126.7 99.3 148.9
51 39.3 31.8 47.6
86 66.9 51.7 77.5

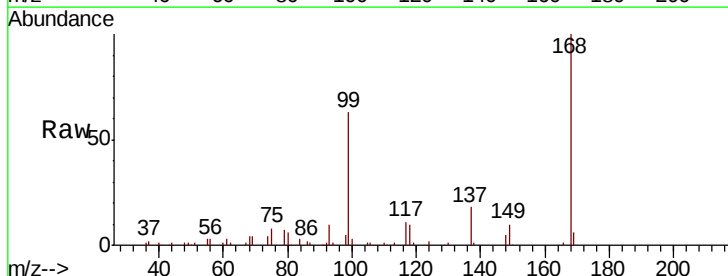


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

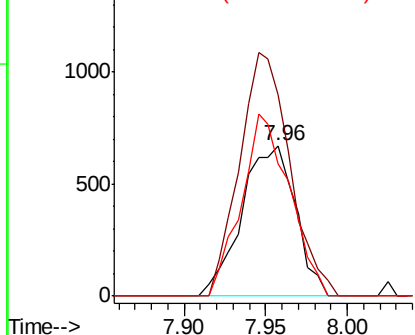
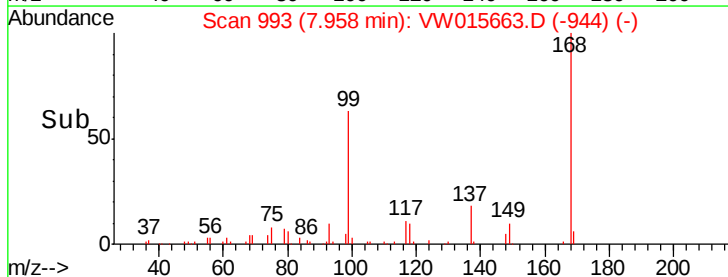


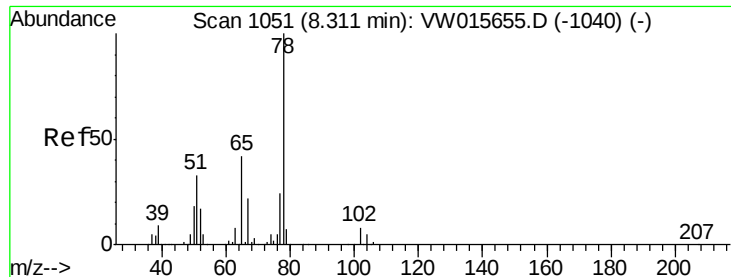
#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015663.D
Acq: 23 Jun 2020 15:54

Tgt Ion: 56 Resp: 1533
Ion Ratio Lower Upper
56 100
69 133.6 26.2 39.4#
84 88.0 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: 60.042 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015663.D

Acq: 23 Jun 2020 15:54

Instrument :

MSVOA_W

ClientSampleId :

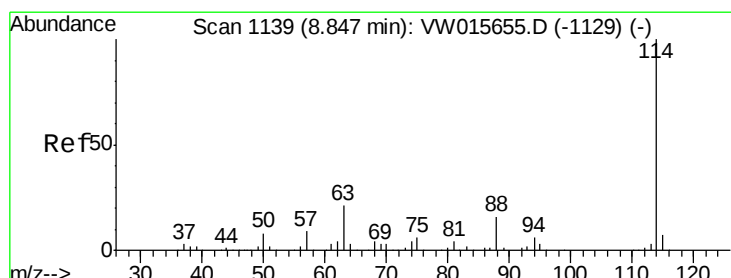
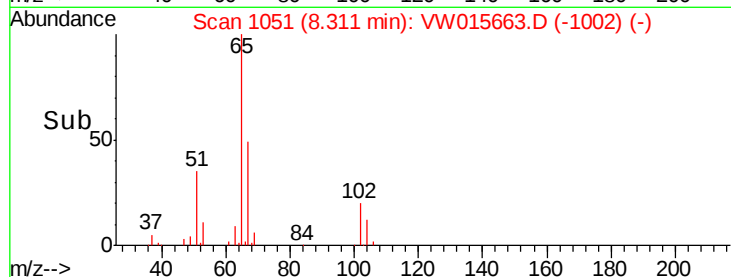
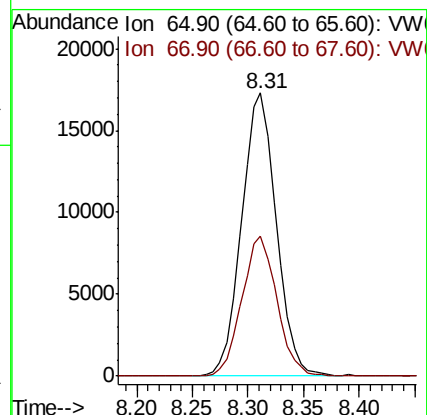
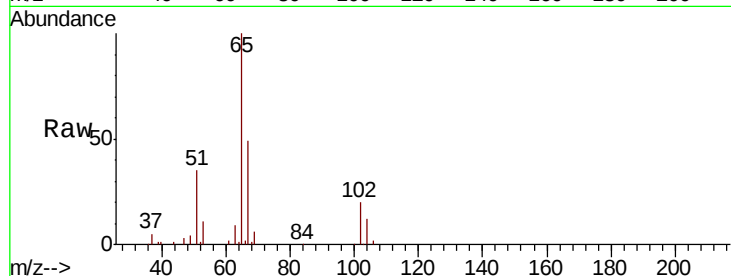
MW-27(13-15)

Tot Ion: 65 Resp: 37411

Ion Ratio Lower Upper

65 100

67 49.7 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: VW015663.D

Acq: 23 Jun 2020 15:54

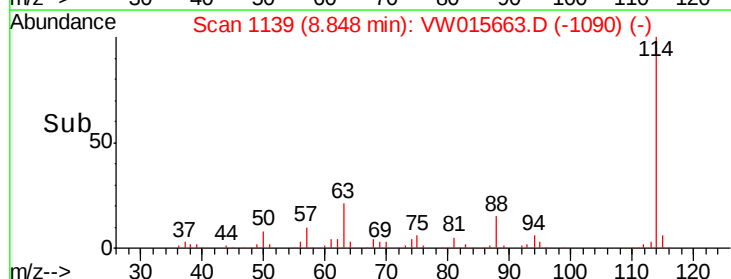
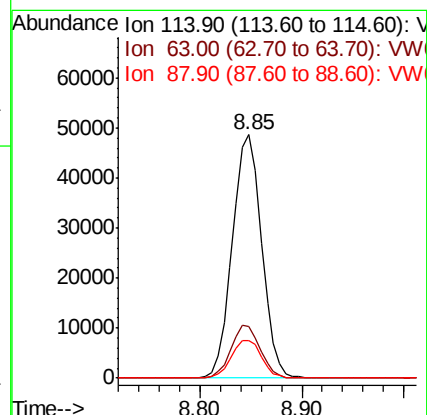
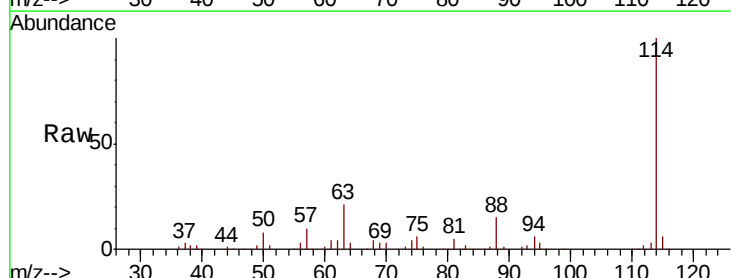
Tgt Ion: 114 Resp: 96667

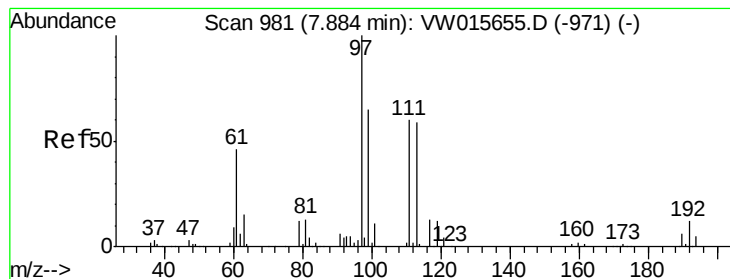
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.722 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015663.D

Acq: 23 Jun 2020 15:54

Instrument :

MSVOA_W

ClientSampleId :

MW-27(13-15)

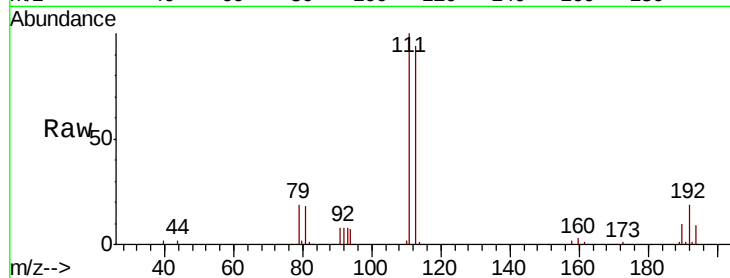
Tot Ion:113 Resp: 31450

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

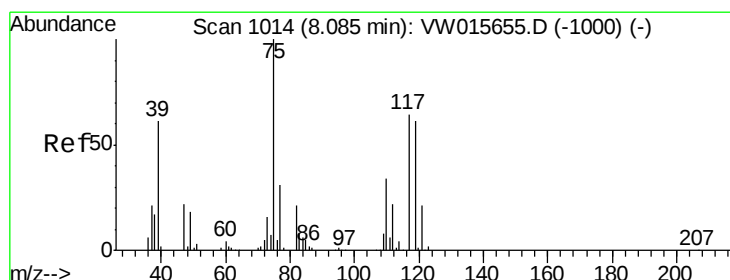
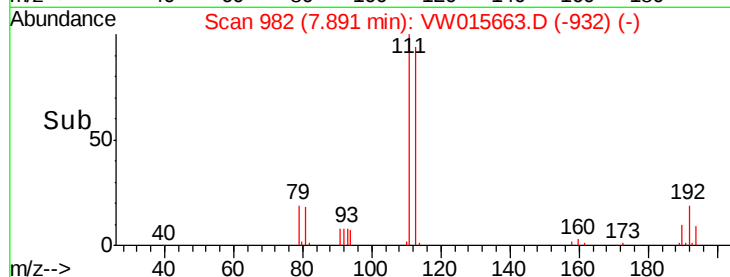
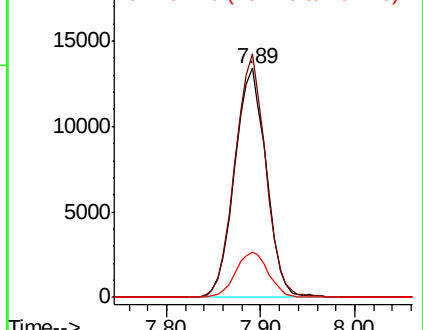
192 20.2 16.4 24.6



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: 4.827 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015663.D

Acq: 23 Jun 2020 15:54

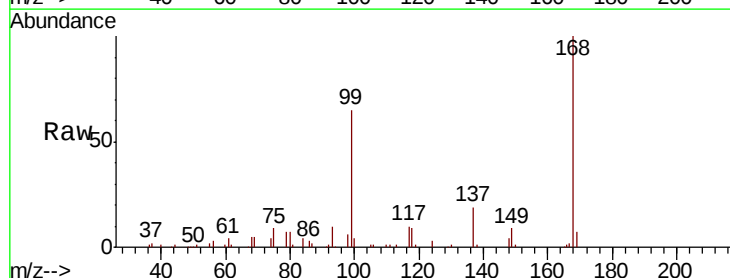
Tgt Ion: 75 Resp: 4853

Ion Ratio Lower Upper

75 100

110 9.0 17.0 51.0#

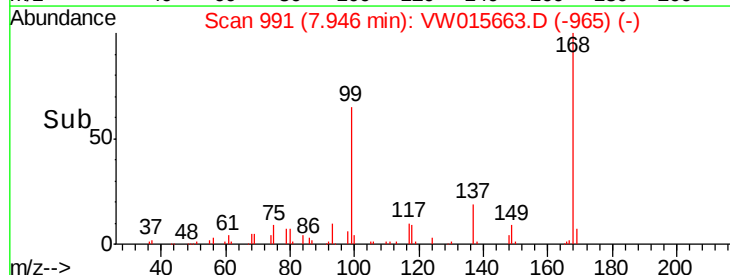
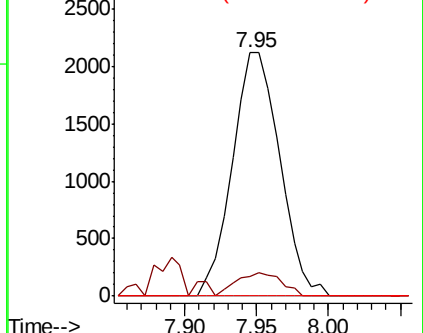
77 0.0 24.6 36.8#

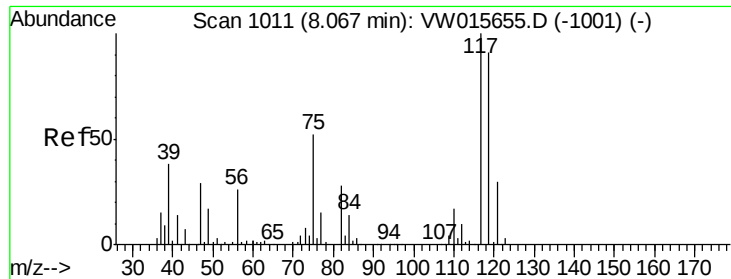


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

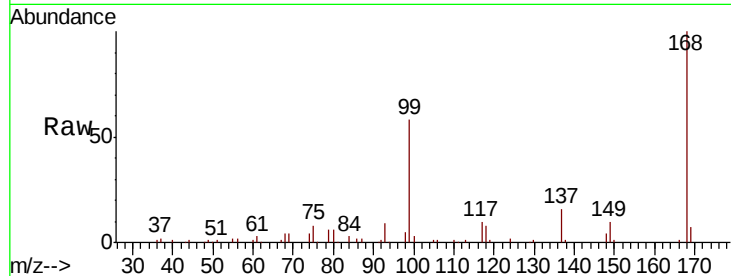




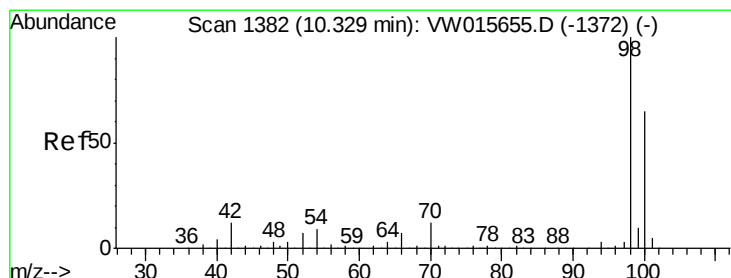
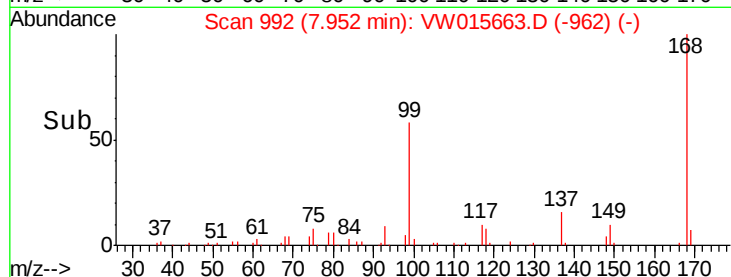
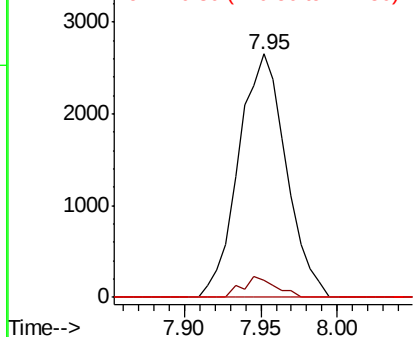
#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015663.D
Acq: 23 Jun 2020 15:54

Instrument :
MSVOA_W
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MW-27(13-15)

Tot Ion:117 Resp: 5728
Ion Ratio Lower Upper
117 100
119 7.0 73.2 109.8#
121 0.0 23.9 35.9#

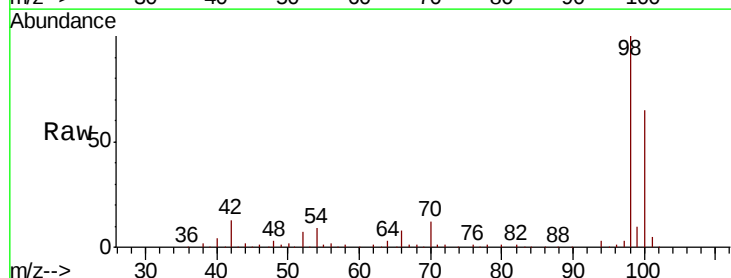


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

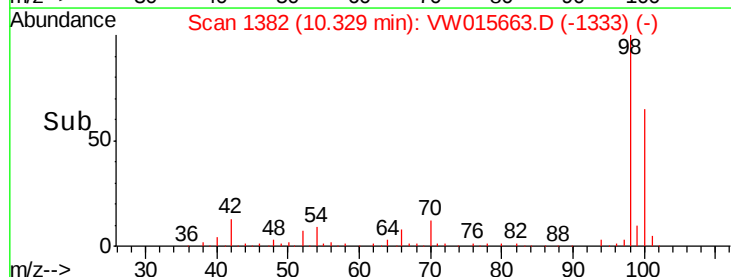
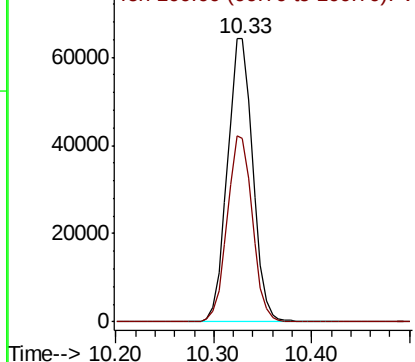


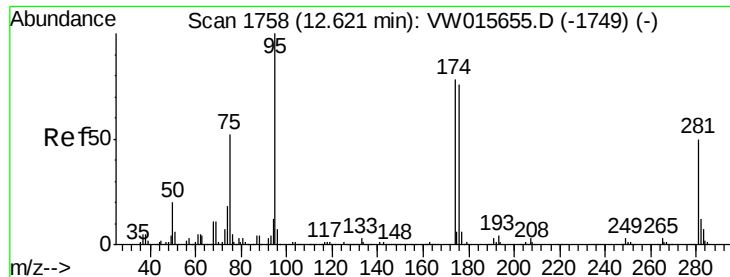
#50
Toluene-d8
Concen: 48.210 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015663.D
Acq: 23 Jun 2020 15:54

Tgt Ion: 98 Resp: 115365
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

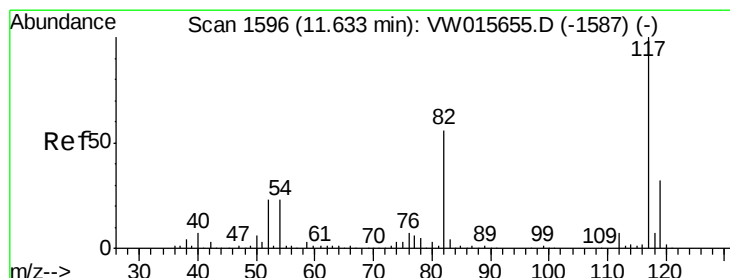
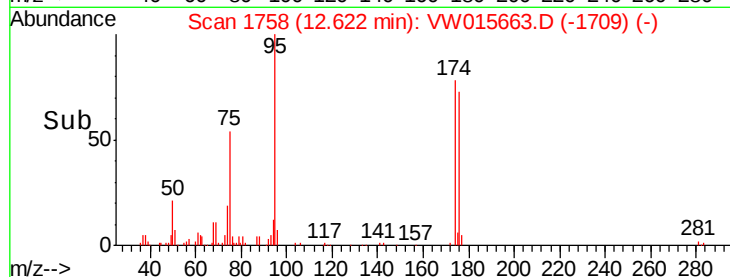
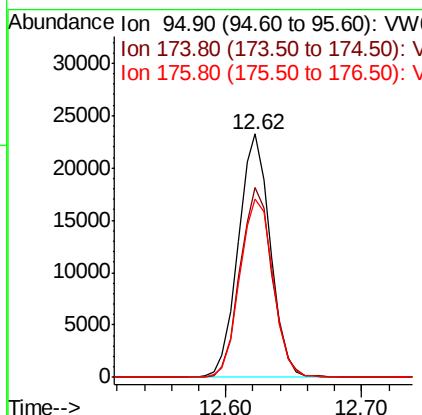
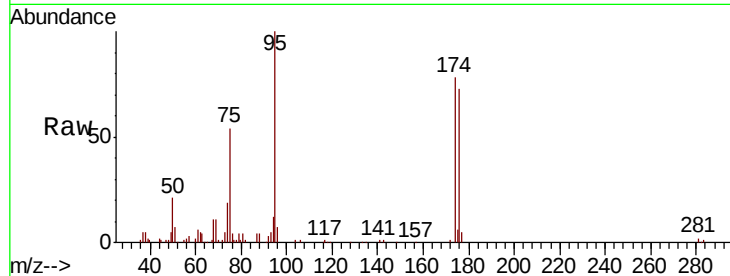




#62
4-Bromofluorobenzene
Concen: 43.325 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015663.D
Acq: 23 Jun 2020 15:54

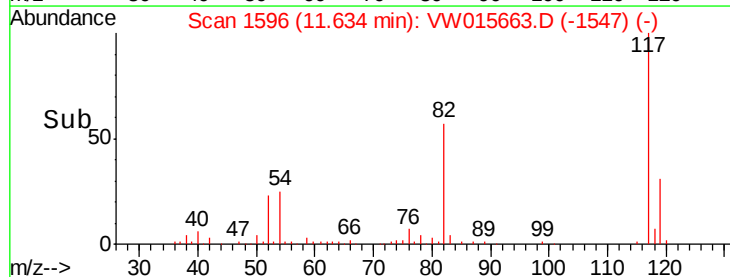
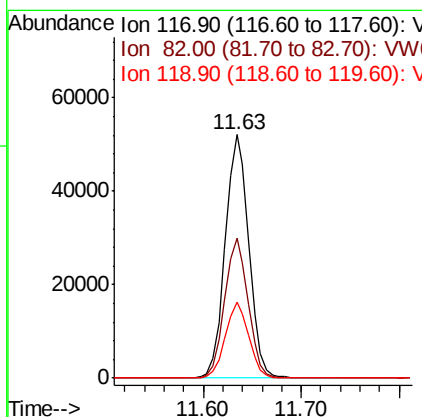
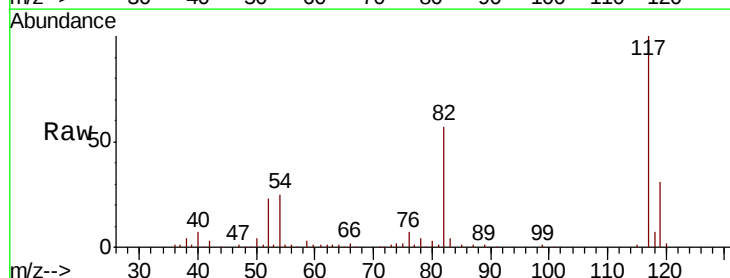
Instrument :
MSVOA_W
ClientSampleId :
MW-27(13-15)

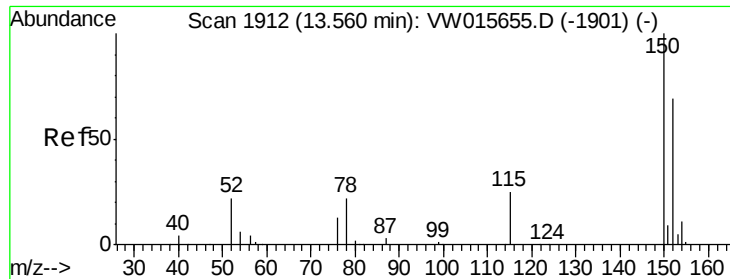
Tot Ion: 95 Resp: 38181
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.0
176 76.2 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015663.D
Acq: 23 Jun 2020 15:54

Tgt Ion: 117 Resp: 87019
Ion Ratio Lower Upper
117 100
82 57.3 45.1 67.7
119 30.9 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: VW015663.D

Acq: 23 Jun 2020 15:54

Instrument :

MSVOA_W

ClientSampleId :

MW-27(13-15)

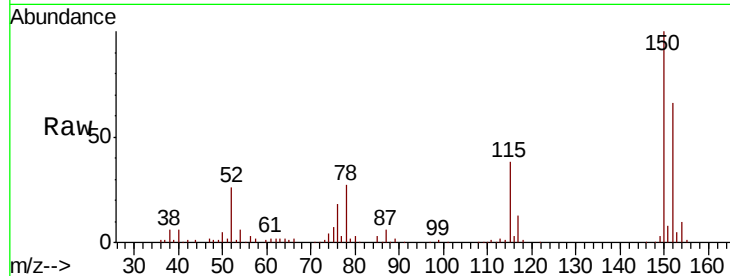
Tot Ion:152 Resp: 35312

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.5

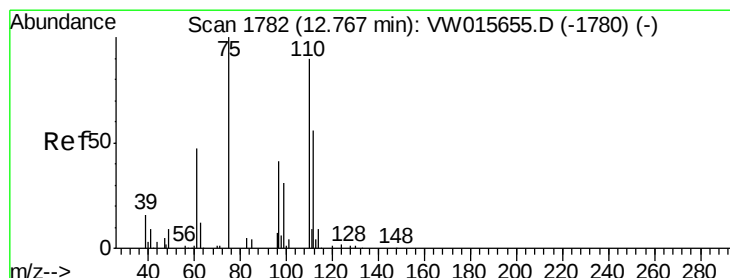
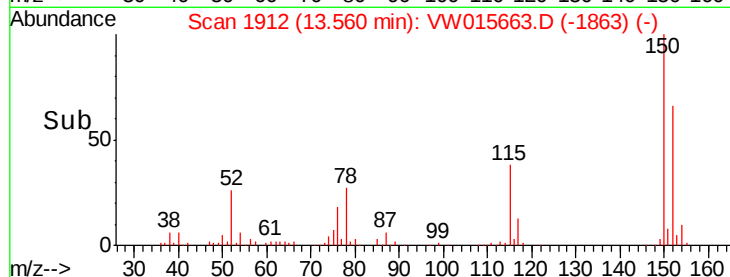
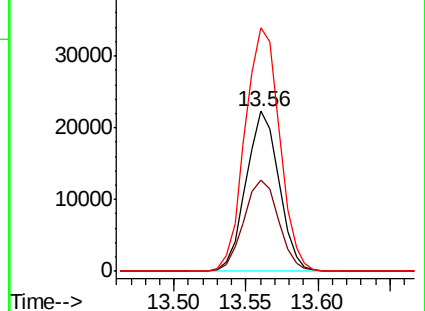
150 159.6 0.0 345.6



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: 65.288 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015663.D

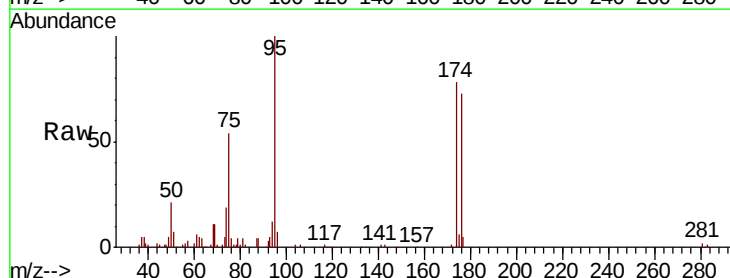
Acq: 23 Jun 2020 15:54

Tgt Ion: 75 Resp: 21029

Ion Ratio Lower Upper

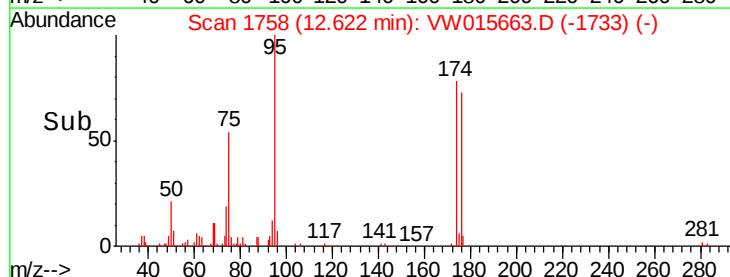
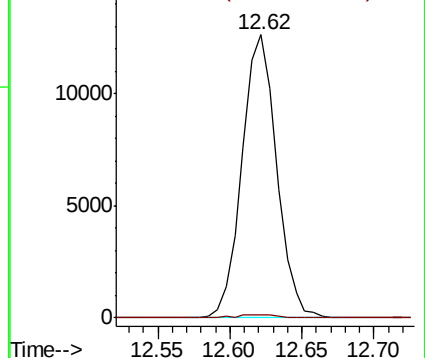
75 100

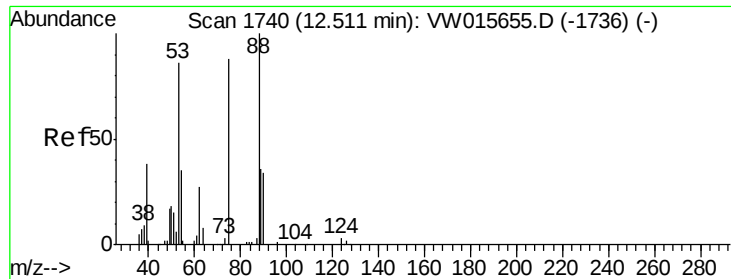
77 1.2 179.1 537.1#



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: 164.526 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW015663.D
 Acq: 23 Jun 2020 15:54

Instrument :
 MSVOA_W
 ClientSampleId :
 MW-27(13-15)

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.8	125.8#
89	0.0	36.6	55.0#

