

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015669.D
 Acq On : 23 Jun 2020 18:31
 Operator : SY/VA
 Sample : L3096-04
 Misc : 4.18G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-03-011-B

Quant Time: Jun 24 03:07:37 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	167793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	294188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110452	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	107078	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
35) Dibromofluoromethane	7.89	113	92725	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.32	98	363600	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	118120	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

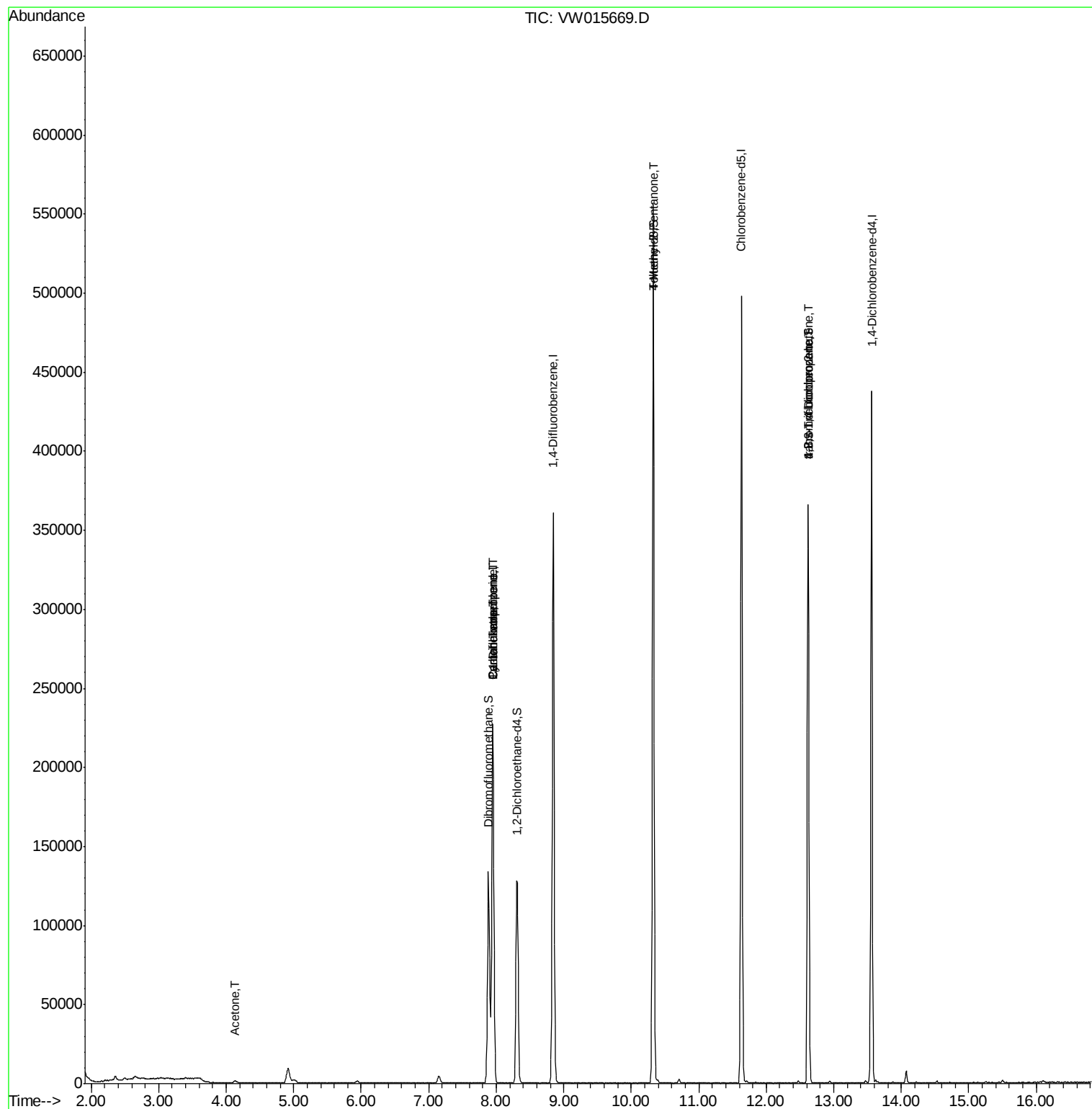
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	44	Below Cal	#	72
16) Acetone	4.12	43	3167	8.923	ug/l	96
18) Methyl Acetate	4.68	43	633	Below Cal	#	77
20) Methylene Chloride	4.92	84	7521	Below Cal		92
31) Cyclohexane	7.95	56	4170	1.297	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	13471	4.403	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17283	5.827	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1773	1.577	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	63268	62.798	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	63268	158.252	ug/l #	8

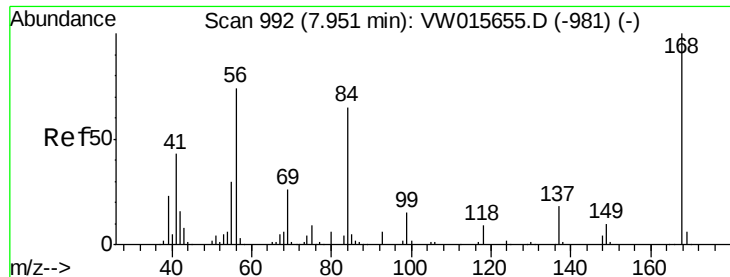
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
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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: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

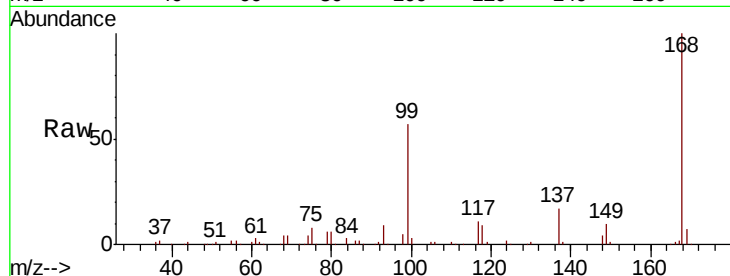
FK-GF-03-011-B

Tot Ion:168 Resp: 167793

Ion Ratio Lower Upper

168 100

99 57.4 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

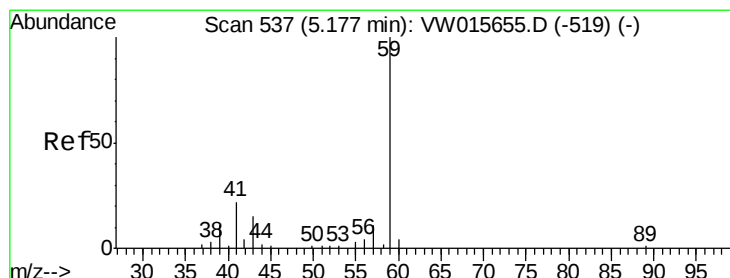
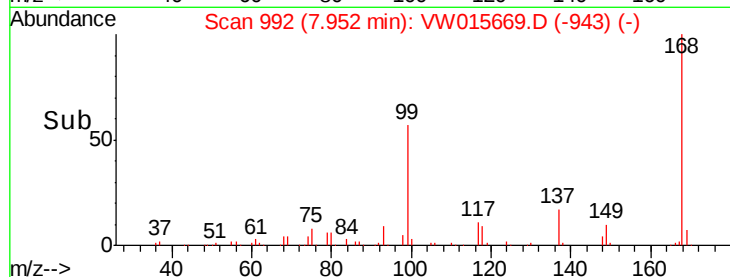
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW015669.D

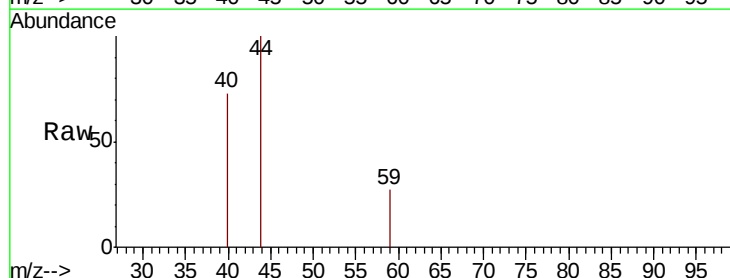
Acq: 23 Jun 2020 18:31

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

60

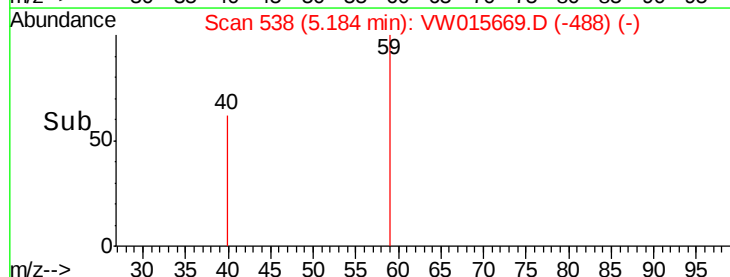
40

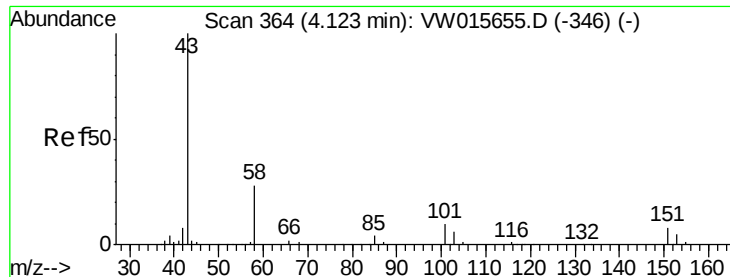
20

0

Time-->

5.16 5.18 5.20





#16

Acetone

Concen: 8.923 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

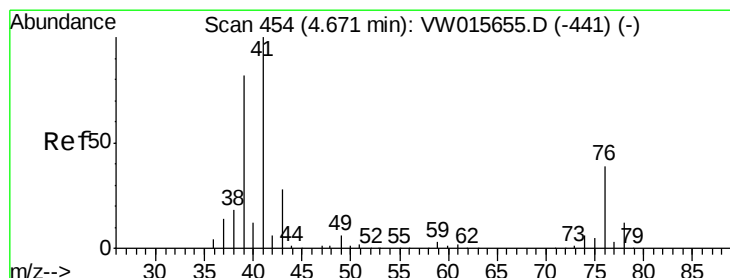
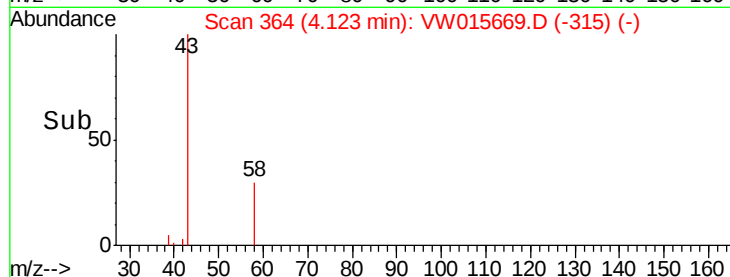
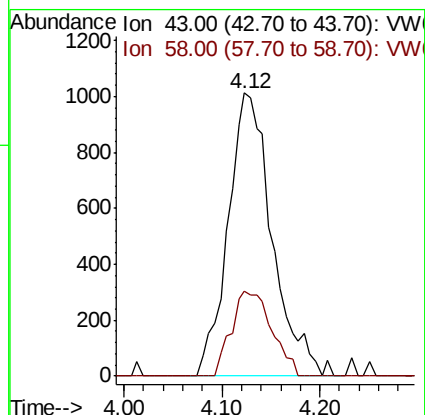
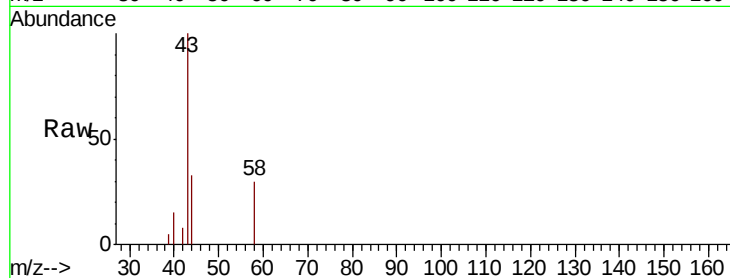
FK-GF-03-011-B

Tot Ion: 43 Resp: 3167

Ion Ratio Lower Upper

43 100

58 30.1 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015669.D

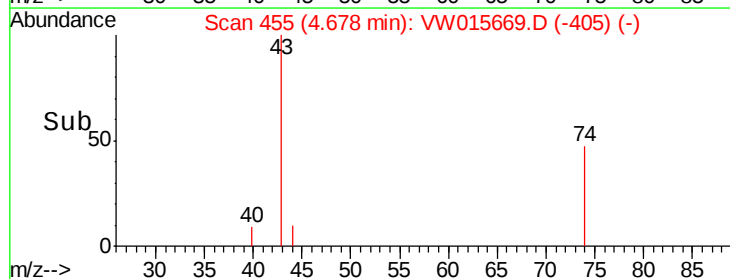
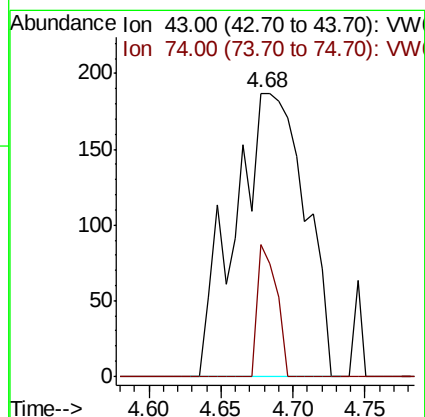
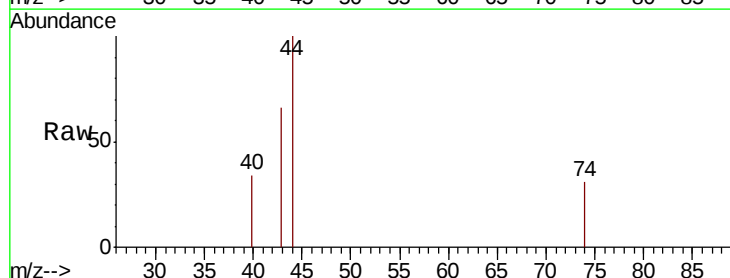
Acq: 23 Jun 2020 18:31

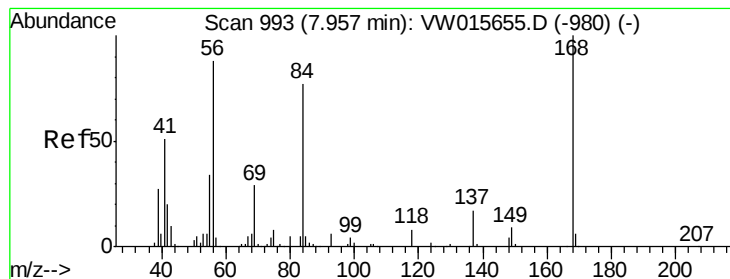
Tgt Ion: 43 Resp: 633

Ion Ratio Lower Upper

43 100

74 12.3 19.0 28.6#





#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-011-B

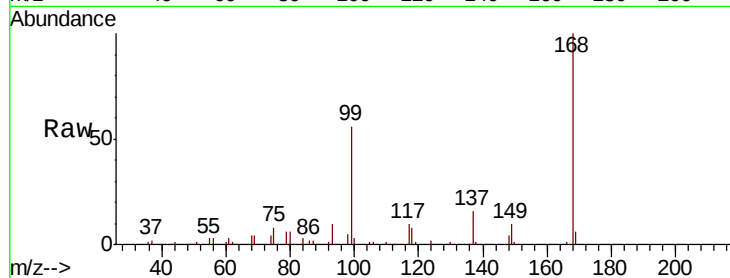
Tot Ion: 56 Resp: 4170

Ion Ratio Lower Upper

56 100

69 144.7 26.2 39.4#

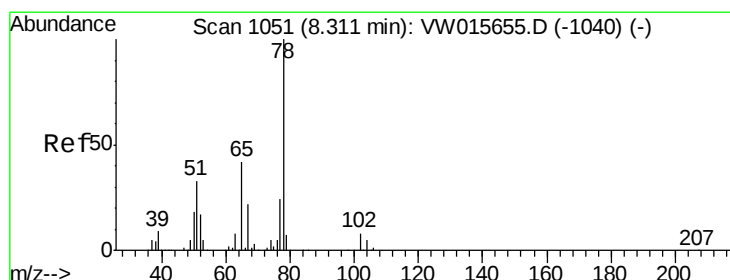
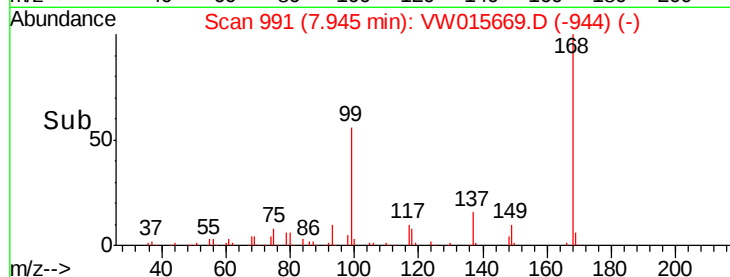
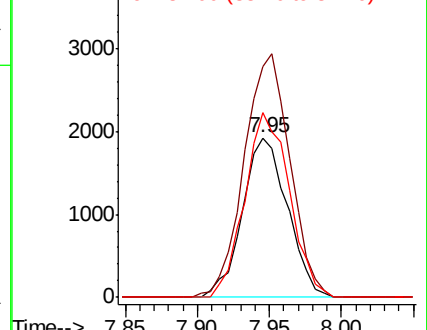
84 116.1 70.4 105.6#



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: 57.355 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015669.D

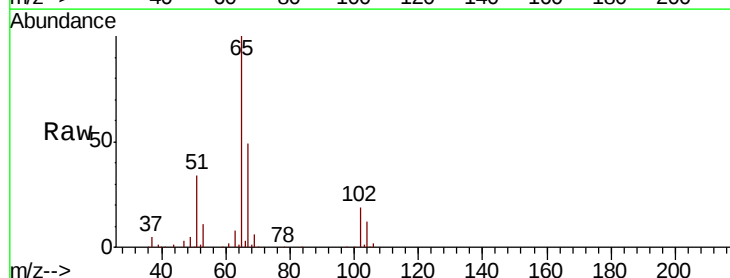
Acq: 23 Jun 2020 18:31

Tgt Ion: 65 Resp: 107078

Ion Ratio Lower Upper

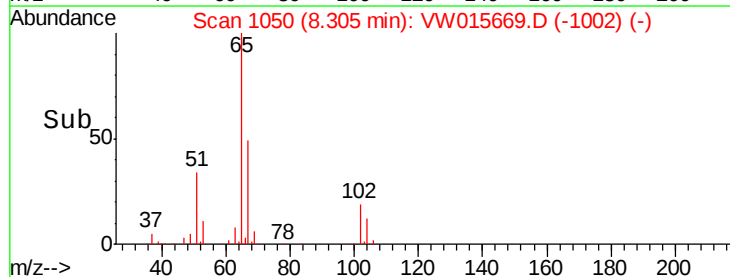
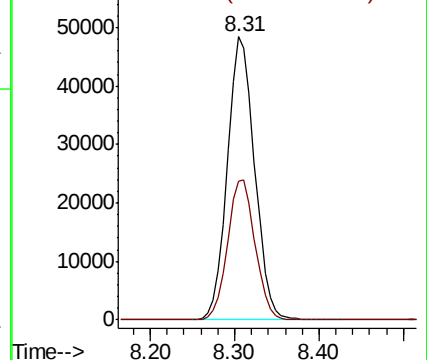
65 100

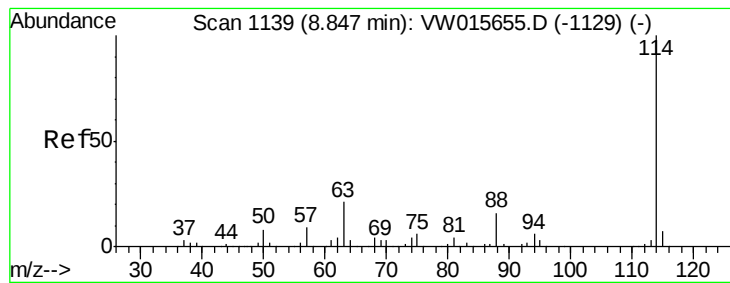
67 49.9 0.0 102.2



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: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-011-B

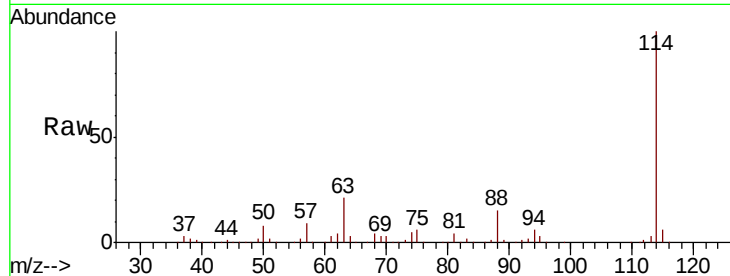
Tot Ion:114 Resp: 294188

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 15.2 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

8.85

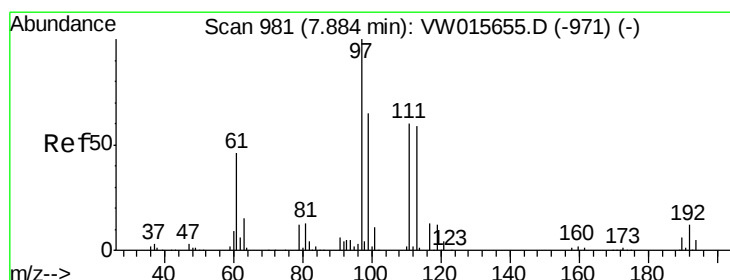
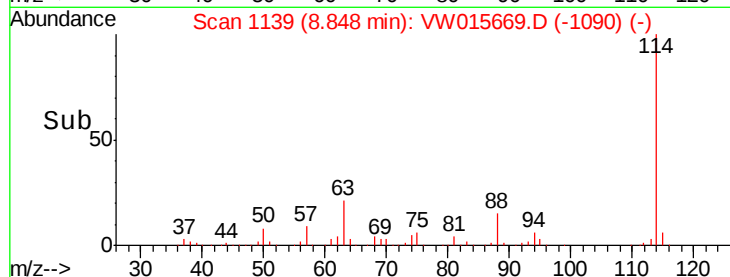
150000

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 50.107 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015669.D

Acq: 23 Jun 2020 18:31

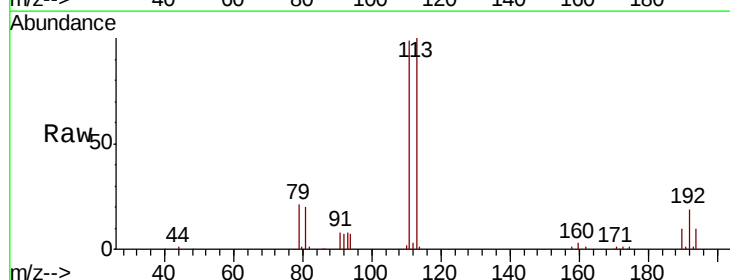
Tgt Ion:113 Resp: 92725

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

192 19.7 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

7.89

50000

40000

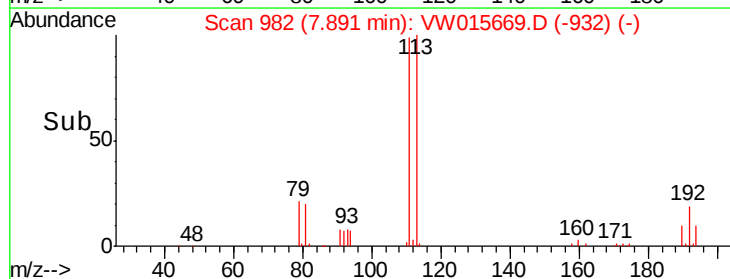
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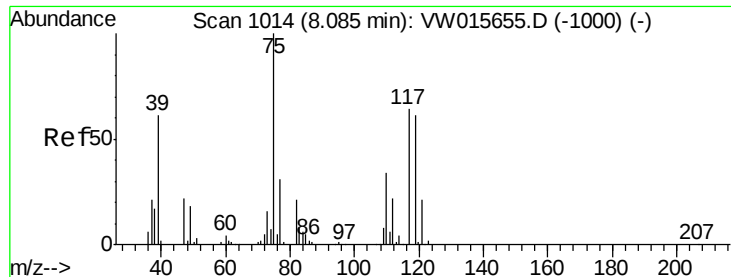
20000

10000

0

Time-->





#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-011-B

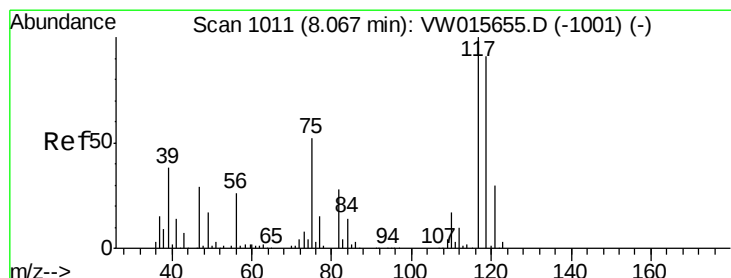
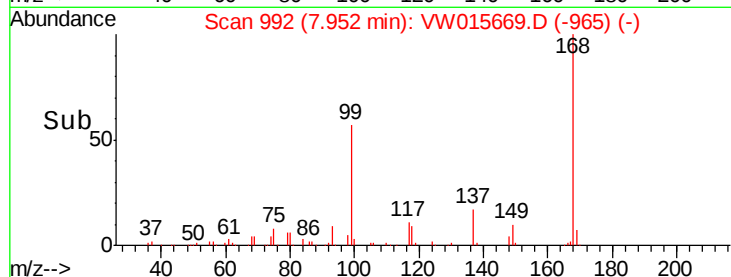
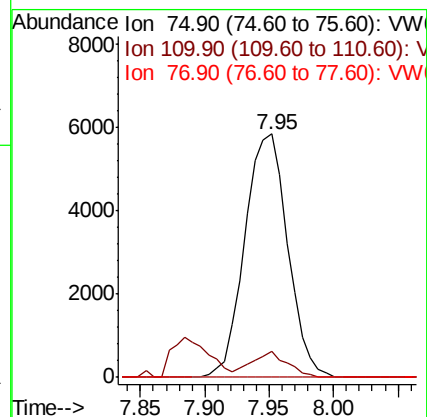
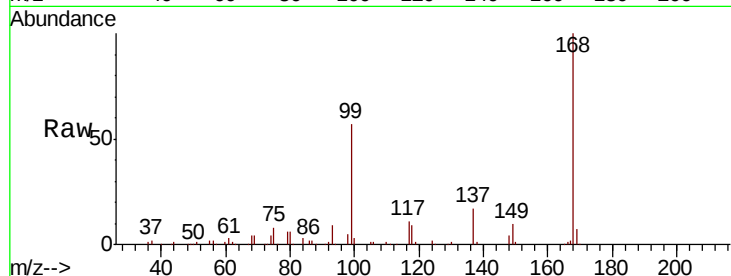
Tot Ion: 75 Resp: 13471

Ion Ratio Lower Upper

75 100

110 8.8 17.0 51.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.827 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015669.D

Acq: 23 Jun 2020 18:31

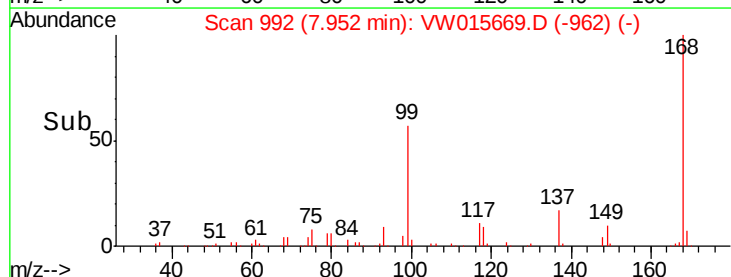
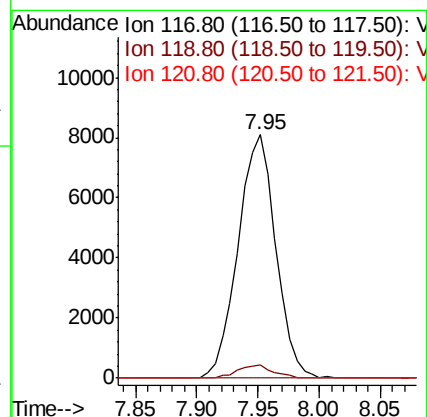
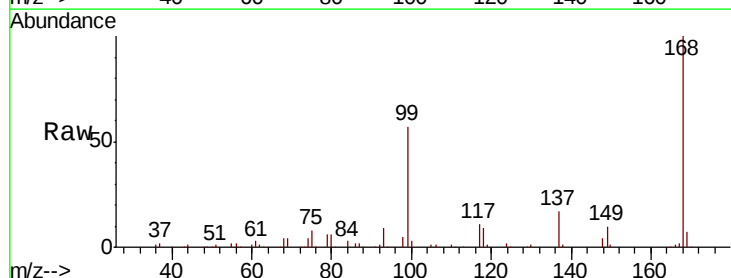
Tgt Ion: 117 Resp: 17283

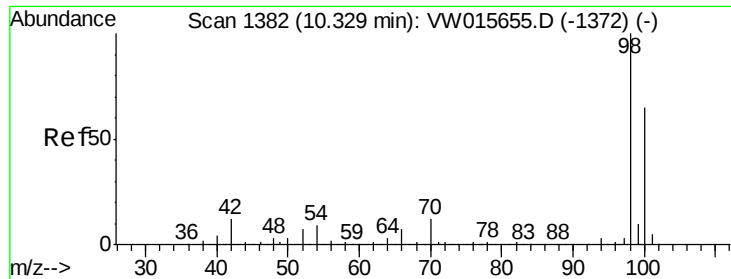
Ion Ratio Lower Upper

117 100

119 5.4 73.2 109.8#

121 0.0 23.9 35.9#

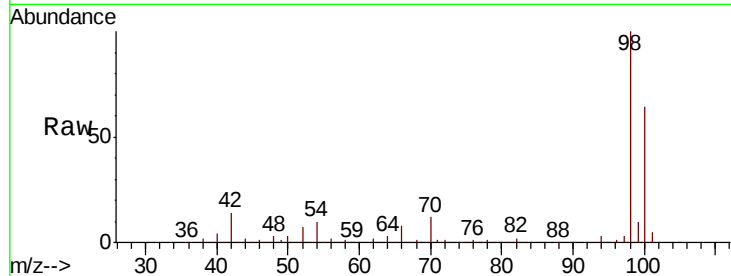




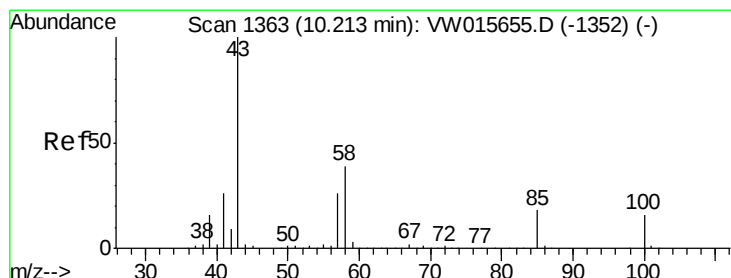
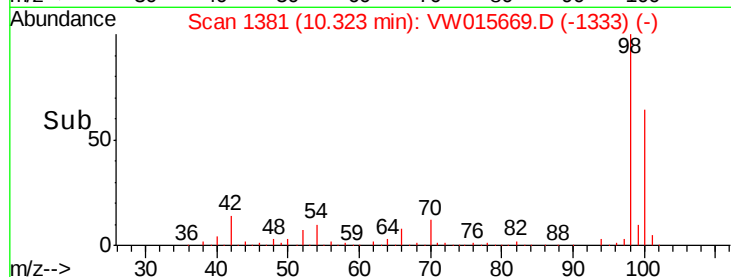
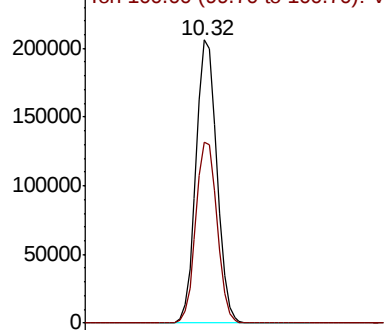
#50
Toluene-d8
Concen: 49.927 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015669.D
Acq: 23 Jun 2020 18:31

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-03-011-B

Tot Ion: 98 Resp: 363600
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2

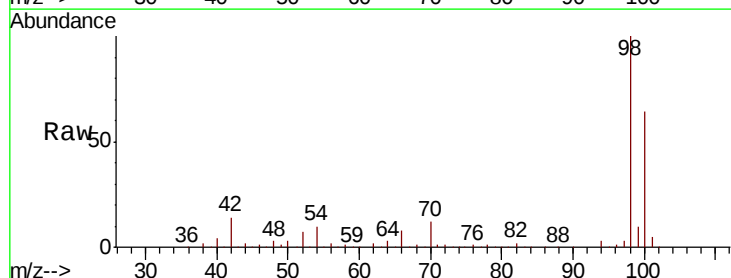


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

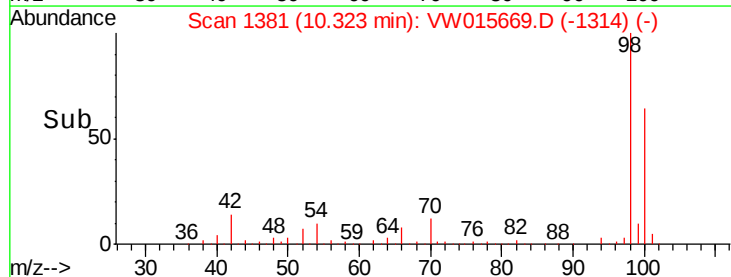
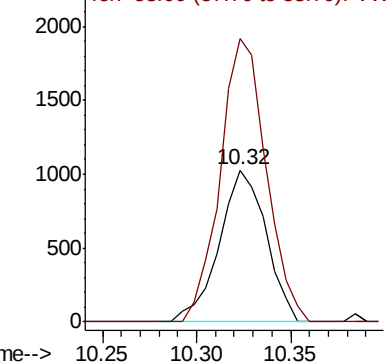


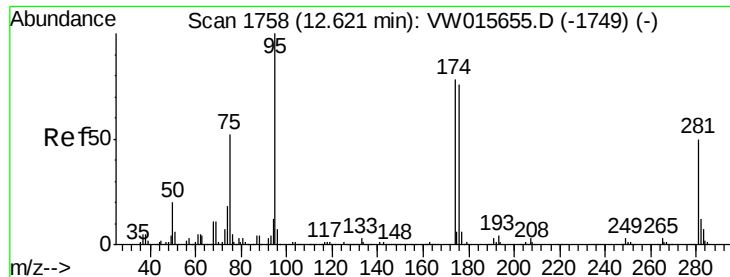
#51
4-Methyl-2-Pentanone
Concen: 1.577 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW015669.D
Acq: 23 Jun 2020 18:31

Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
58 182.2 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

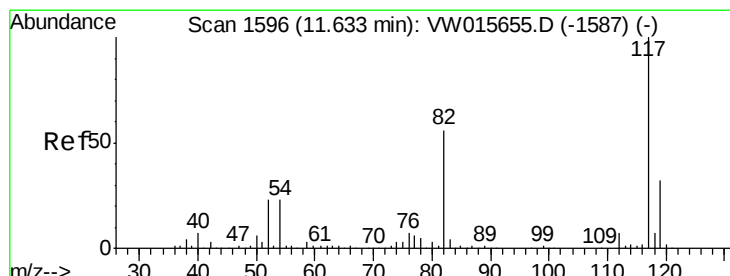
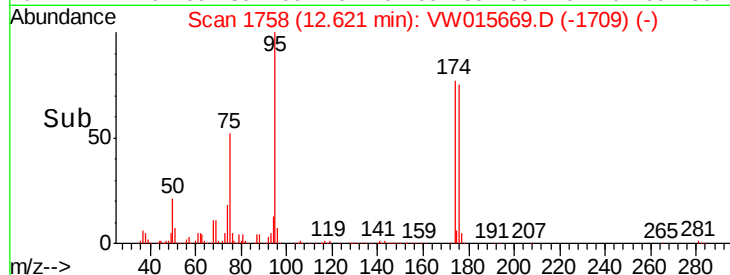
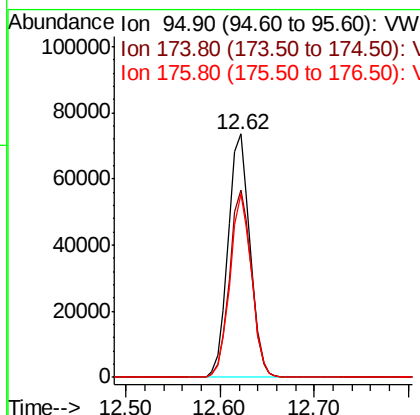
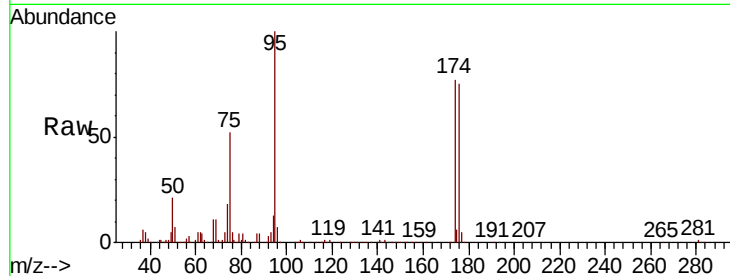




#62
4-Bromofluorobenzene
Concen: 44.042 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015669.D
Acq: 23 Jun 2020 18:31

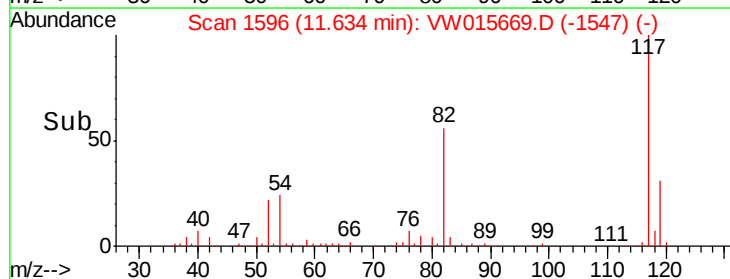
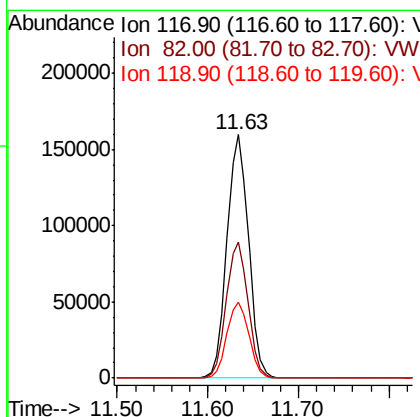
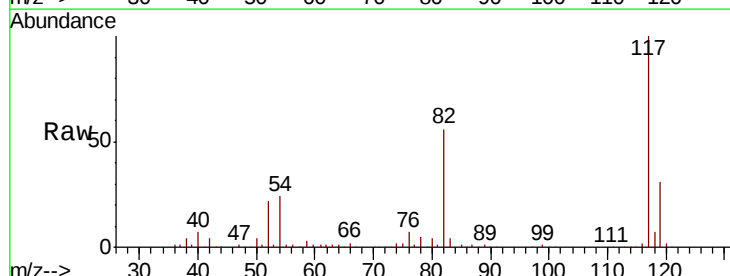
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-03-011-B

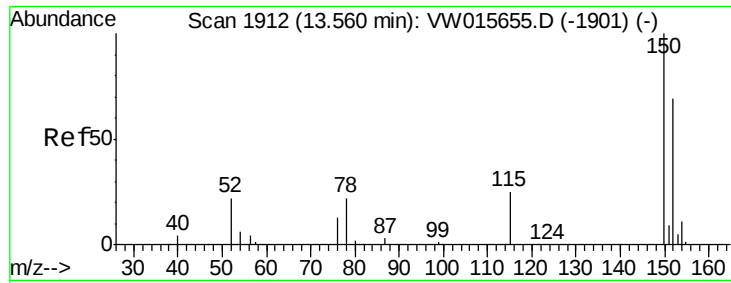
Tot Ion: 95 Resp: 118120
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.0
176 74.3 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015669.D
Acq: 23 Jun 2020 18:31

Tgt Ion: 117 Resp: 264217
Ion Ratio Lower Upper
117 100
82 56.0 45.1 67.7
119 31.2 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: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-011-B

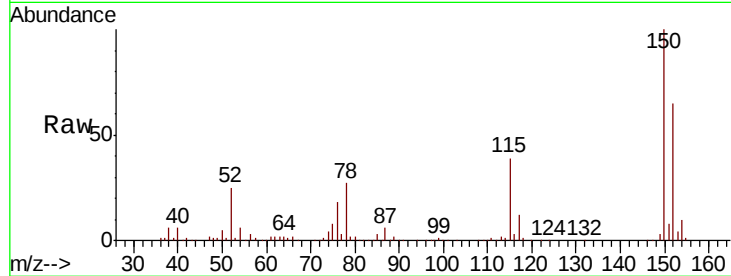
Tot Ion:152 Resp: 110452

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.5

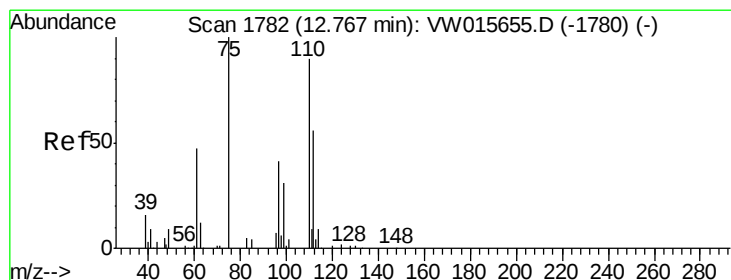
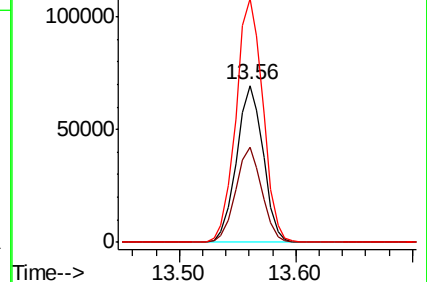
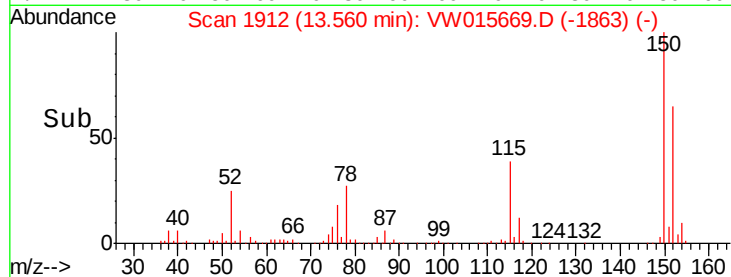
150 157.5 0.0 345.6



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: 62.798 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015669.D

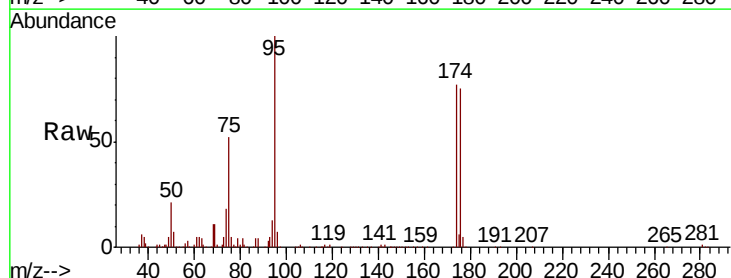
Acq: 23 Jun 2020 18:31

Tgt Ion: 75 Resp: 63268

Ion Ratio Lower Upper

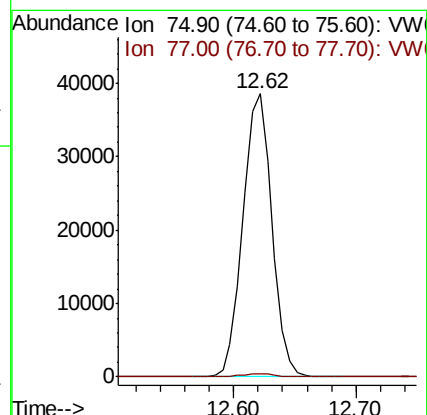
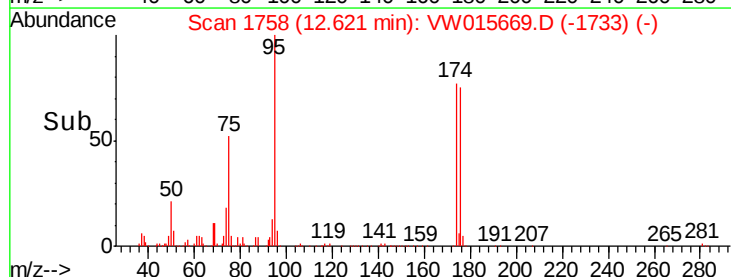
75 100

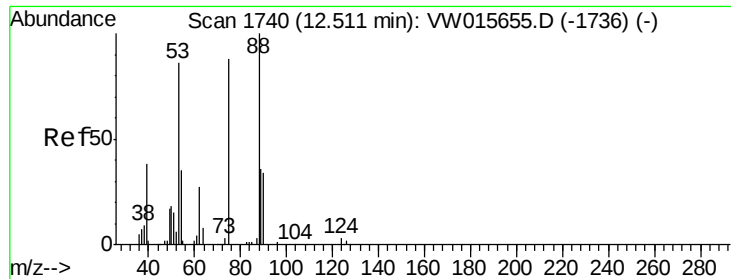
77 1.3 179.1 537.1#



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: 158.252 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015669.D

Acq: 23 Jun 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-011-B

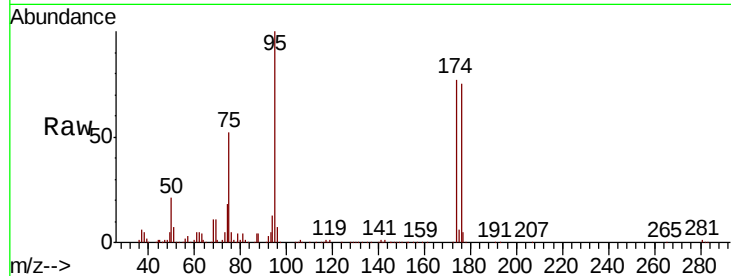
Tot Ion: 75 Resp: 63268

Ion Ratio Lower Upper

75 100

53 0.1 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

