

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071620\
 Data File : VW015863.D
 Acq On : 16 Jul 2020 15:35
 Operator : SY/VA
 Sample : L3302-04
 Misc : 7.42G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-03-013-B

Quant Time: Jul 16 18:00:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115573	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	136949	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
35) Dibromofluoromethane	7.88	113	119268	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	10.32	98	470487	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	138555	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	

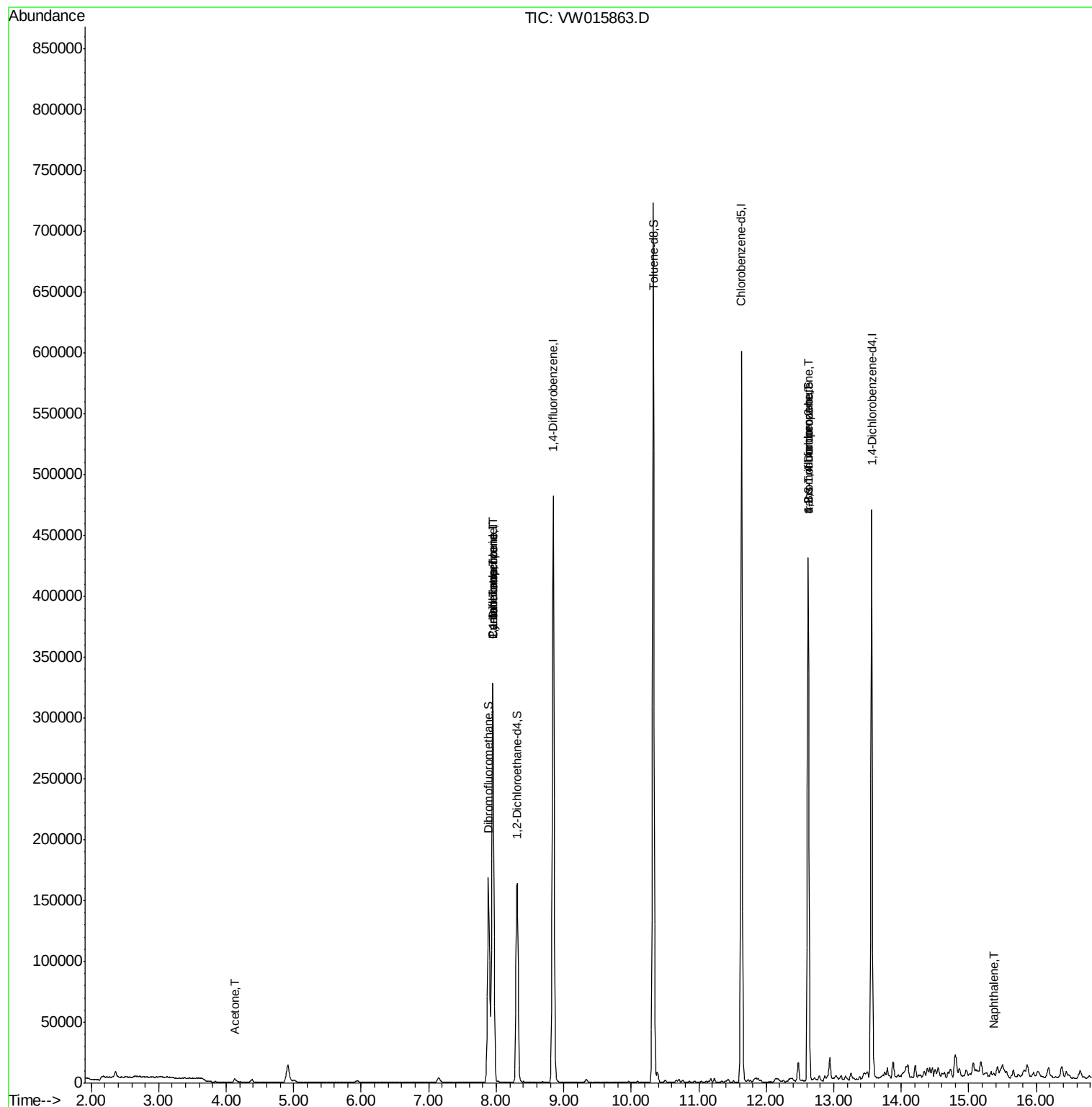
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	56	Below Cal	#	71
16) Acetone	4.12	43	4905	10.781	ug/l	93
31) Cyclohexane	7.95	56	6260	1.487	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	19955	5.139	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24687	6.570	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	72156	71.038	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	72156	152.824	ug/l #	7
95) Naphthalene	15.37	128	2459	3.432	ug/l #	90

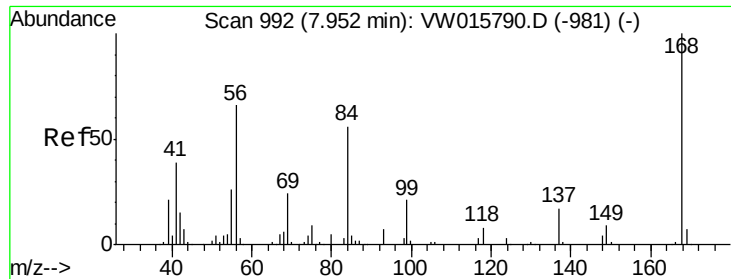
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015863.D

Acq: 16 Jul 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

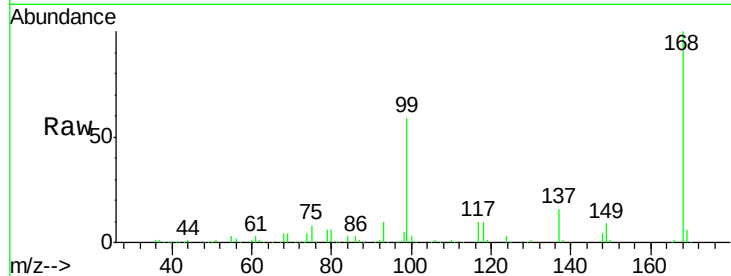
FK-GF-03-013-B

Tgt Ion:168 Resp: 236121

Ion Ratio Lower Upper

168 100

99 59.0 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

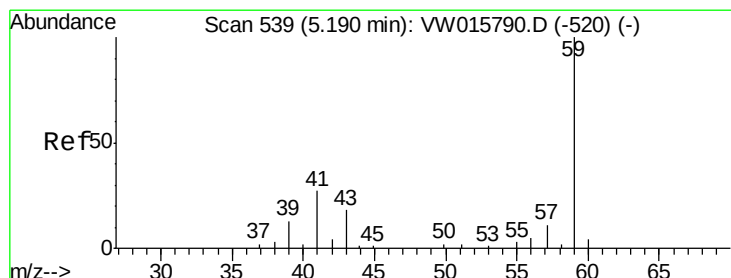
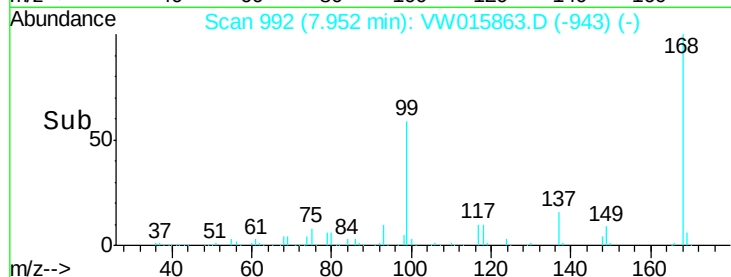
60000

40000

20000

0

Time--> 7.80 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: VW015863.D

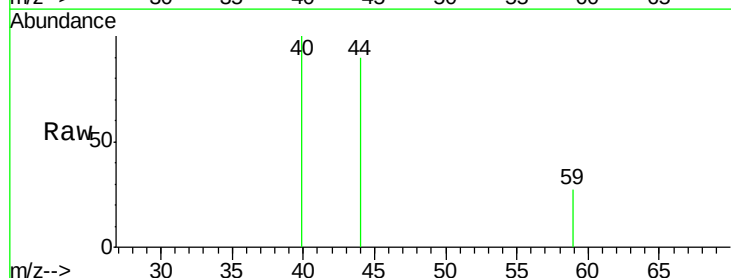
Acq: 16 Jul 2020 15:35

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

100

80

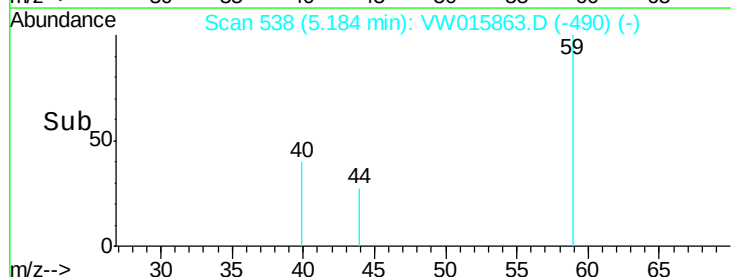
60

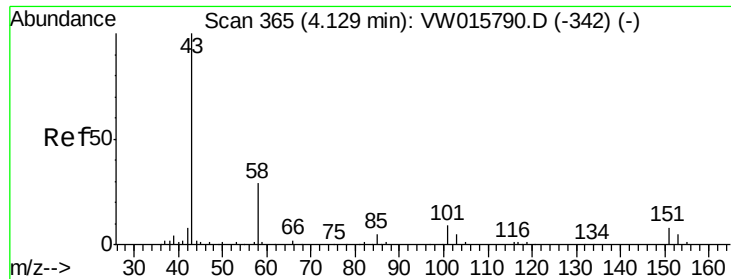
40

20

0

Time--> 5.17 5.18 5.19 5.20 5.21

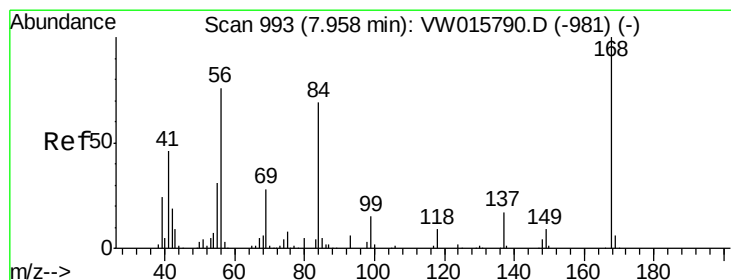
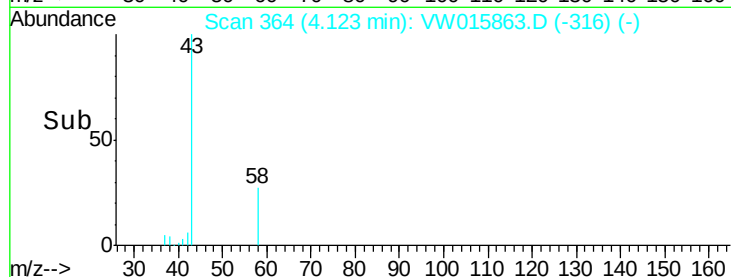
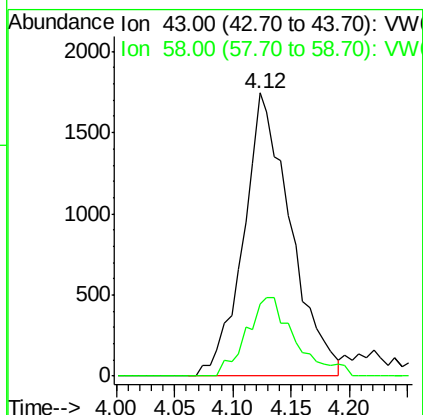
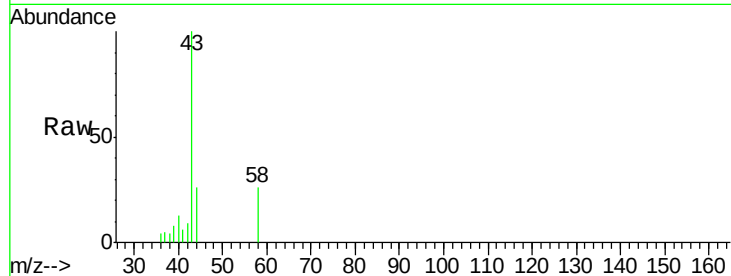




#16
Acetone
Concen: 10.781 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW015863.D
Acq: 16 Jul 2020 15:35

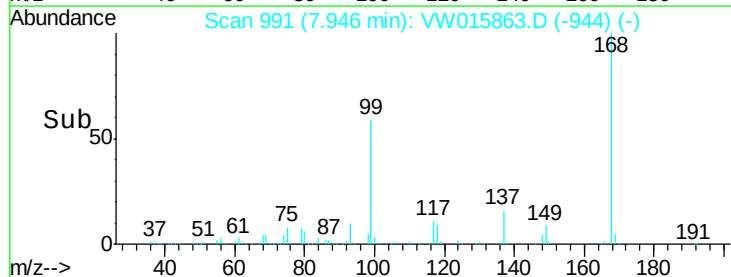
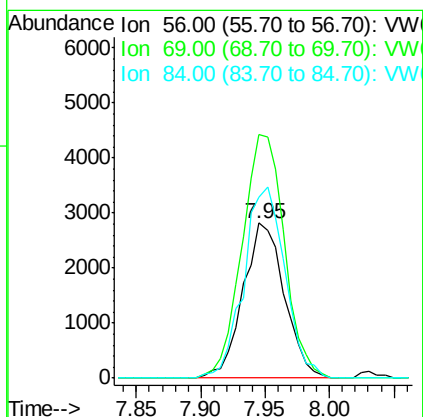
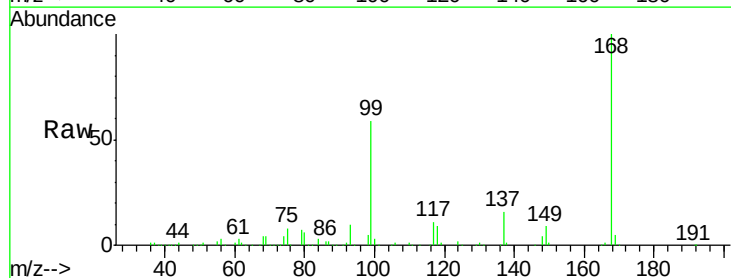
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-03-013-B

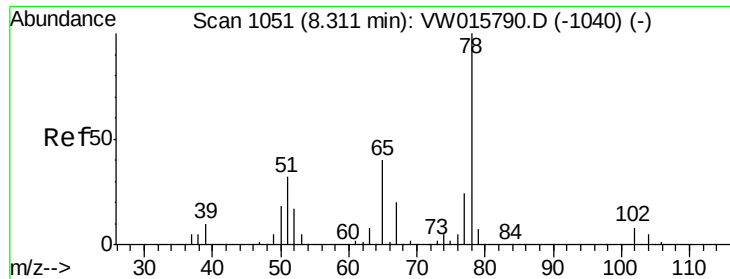
Tgt Ion: 43 Resp: 4905
Ion Ratio Lower Upper
43 100
58 25.7 23.5 35.3



#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015863.D
Acq: 16 Jul 2020 15:35

Tgt Ion: 56 Resp: 6260
Ion Ratio Lower Upper
56 100
69 157.2 28.9 43.3#
84 117.1 72.2 108.4#

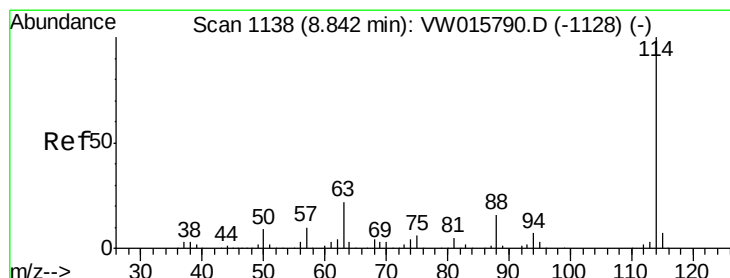
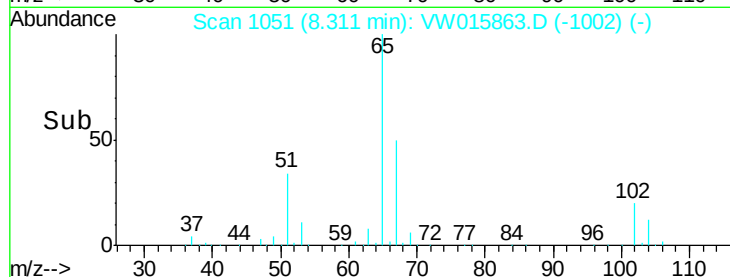
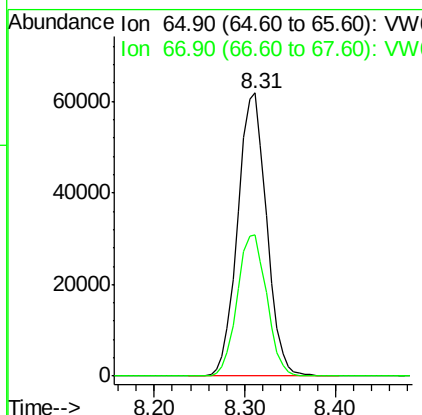
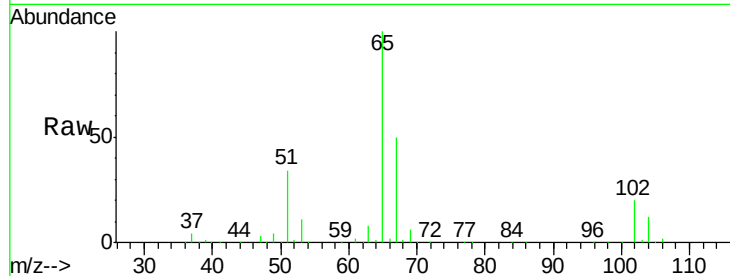




#33
 1,2-Dichloroethane-d4
 Concen: 56.324 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015863.D
 Acq: 16 Jul 2020 15:35

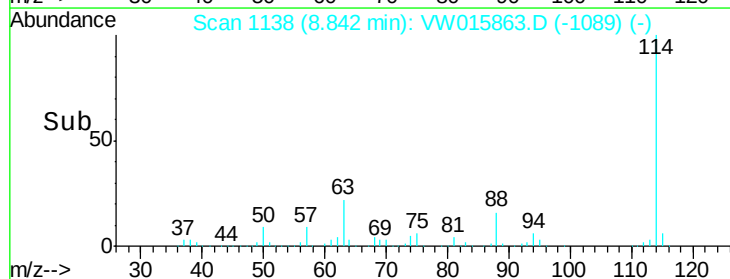
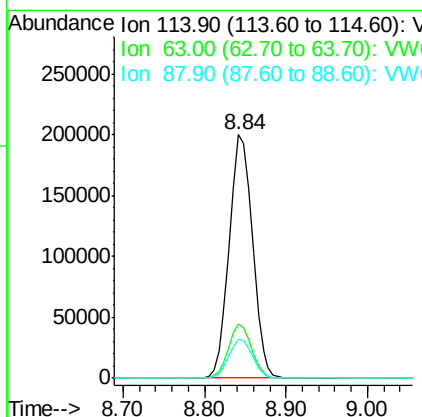
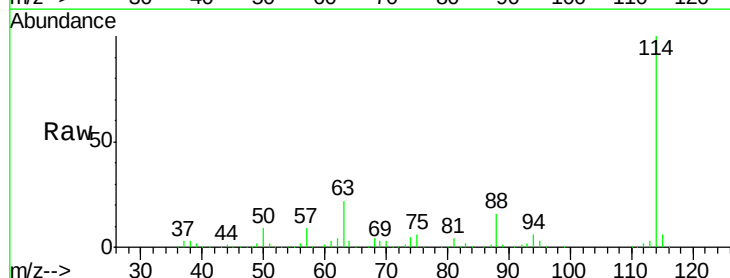
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-03-013-B

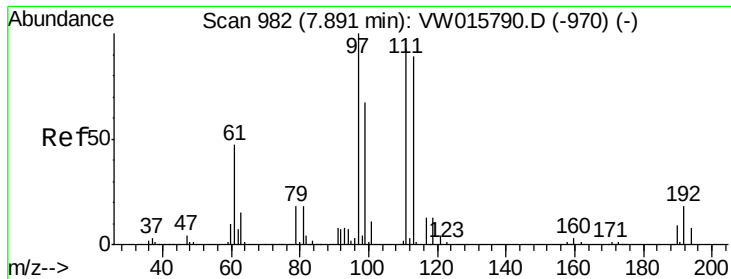
Tgt Ion: 65 Resp: 136949
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015863.D
 Acq: 16 Jul 2020 15:35

Tgt Ion: 114 Resp: 393943
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.4
 88 16.0 0.0 32.6

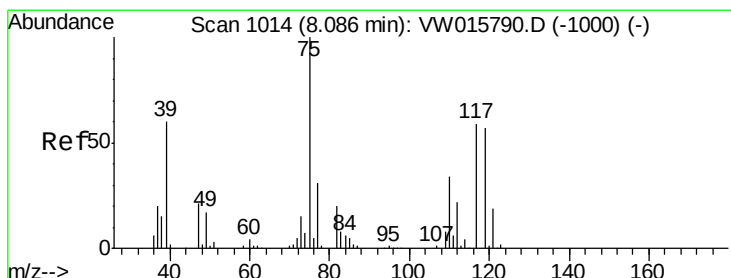
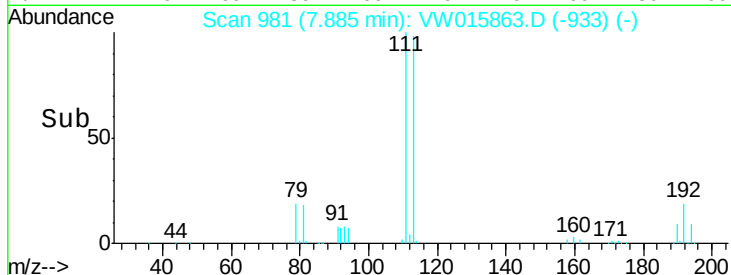
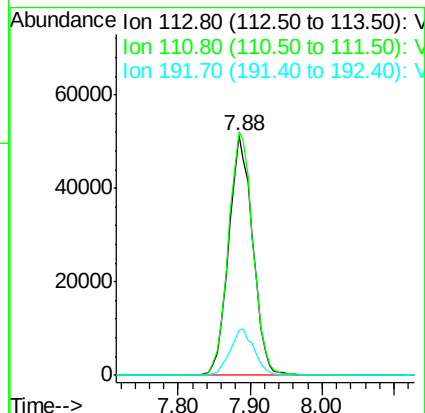
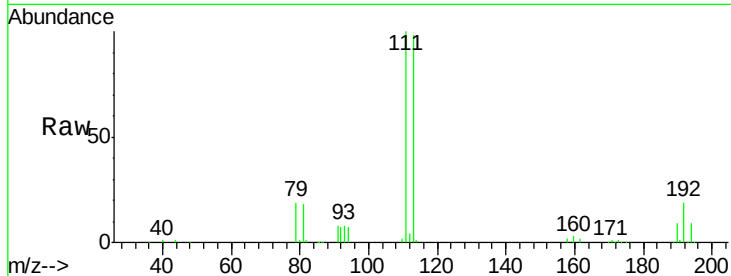




#35
 Dibromofluoromethane
 Concen: 51.893 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW015863.D
 Acq: 16 Jul 2020 15:35

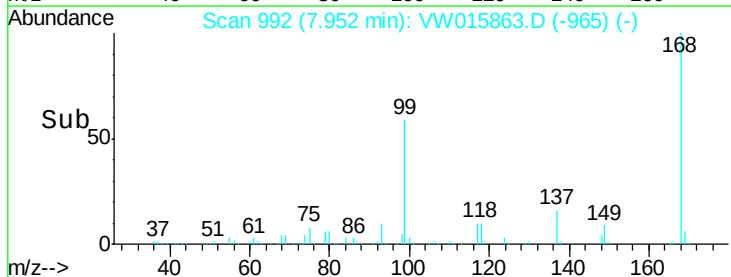
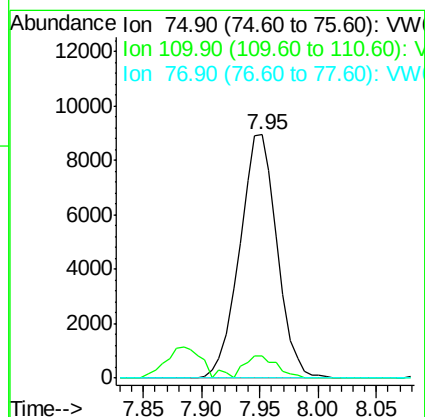
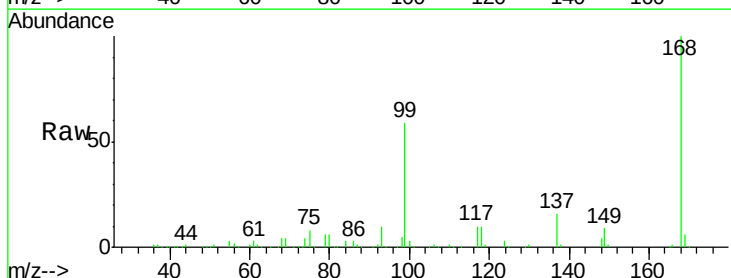
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-03-013-B

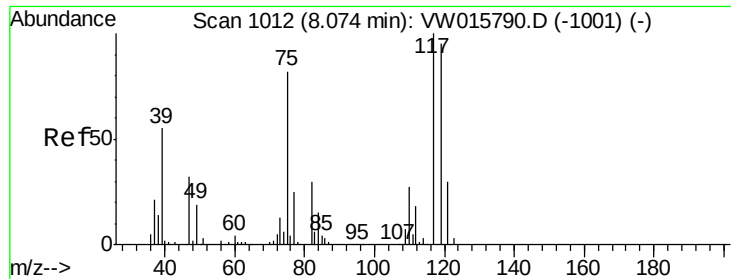
Tgt Ion: 113 Resp: 119268
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.8 124.2
 192 19.3 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.139 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015863.D
 Acq: 16 Jul 2020 15:35

Tgt Ion: 75 Resp: 19955
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.8 50.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.570 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015863.D

Acq: 16 Jul 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-013-B

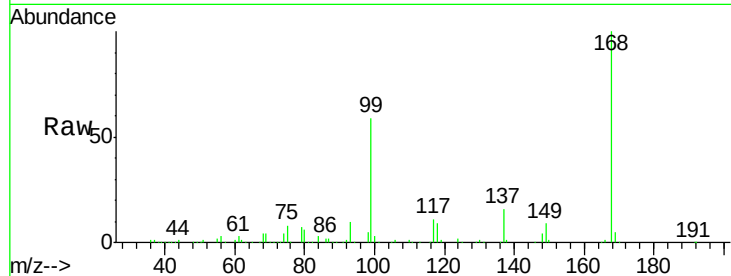
Tgt Ion:117 Resp: 24687

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

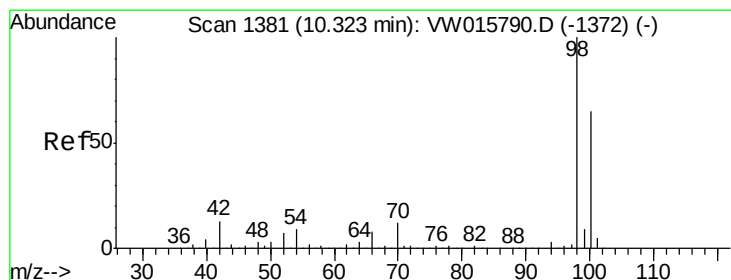
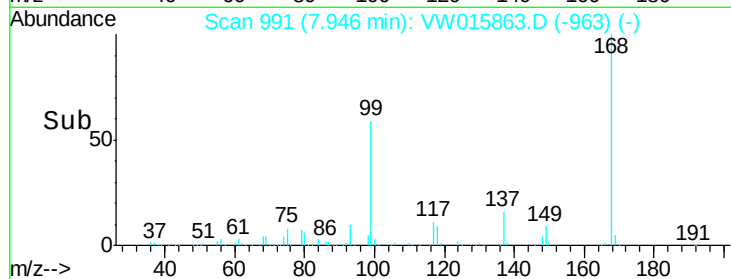
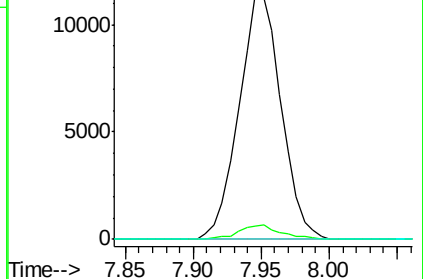
121 0.0 24.0 36.0#



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: 53.293 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015863.D

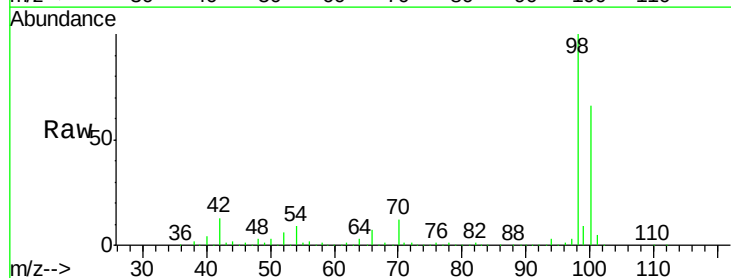
Acq: 16 Jul 2020 15:35

Tgt Ion: 98 Resp: 470487

Ion Ratio Lower Upper

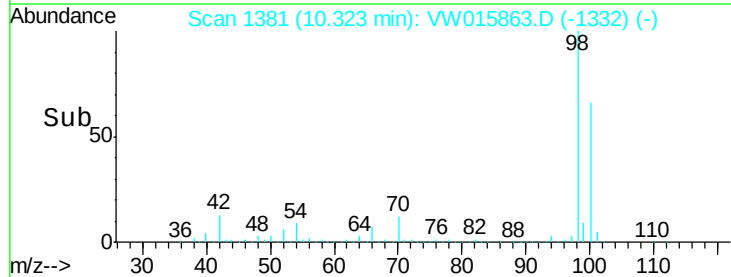
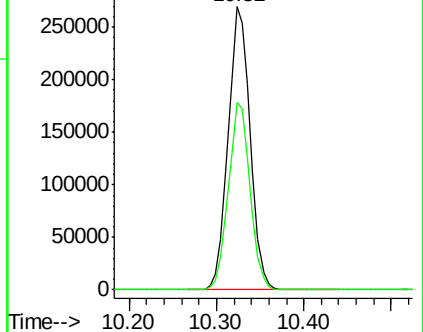
98 100

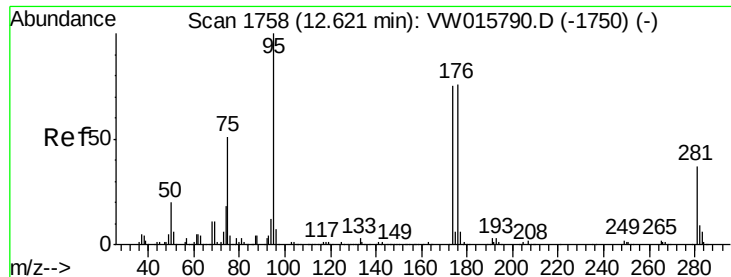
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.771 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015863.D

Acq: 16 Jul 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-03-013-B

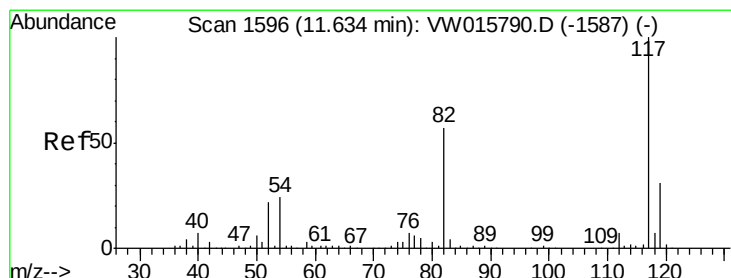
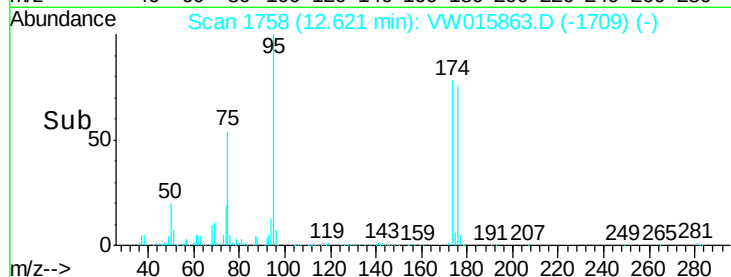
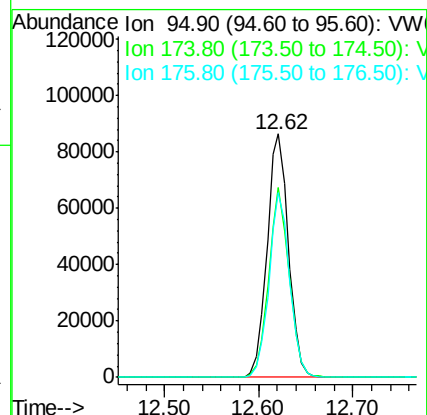
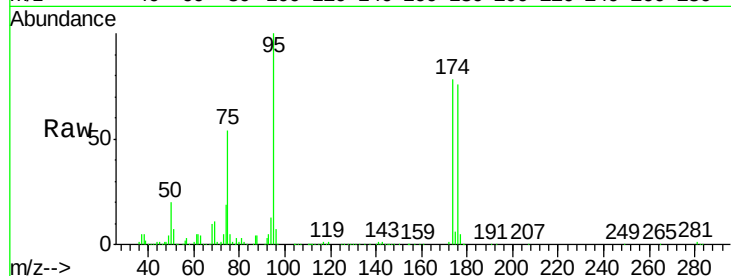
Tgt Ion: 95 Resp: 138555

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.2

176 72.7 0.0 148.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015863.D

Acq: 16 Jul 2020 15:35

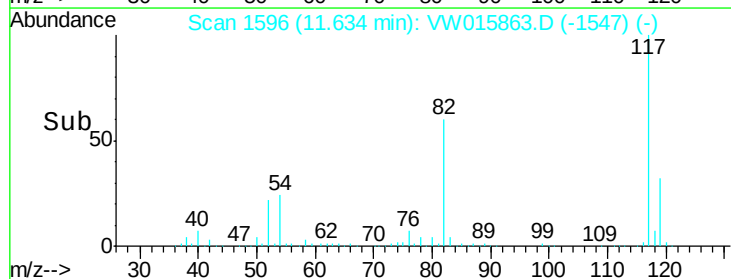
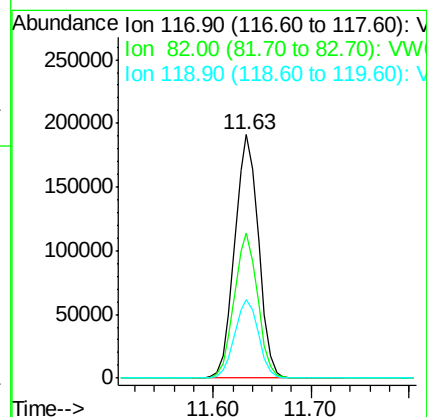
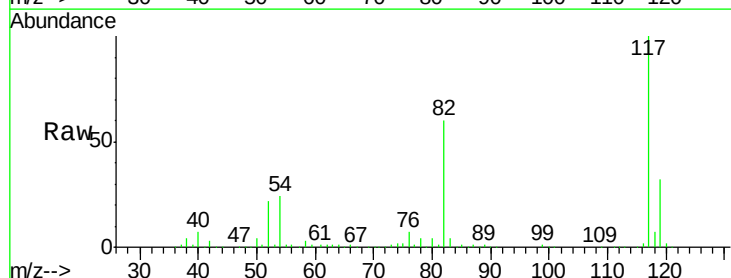
Tgt Ion: 117 Resp: 322247

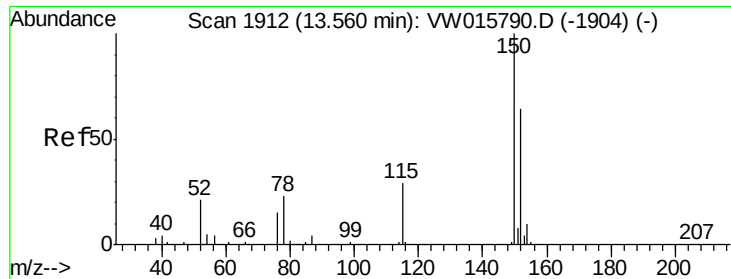
Ion Ratio Lower Upper

117 100

82 59.6 45.5 68.3

119 32.0 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015863.D

Acq: 16 Jul 2020 15:35

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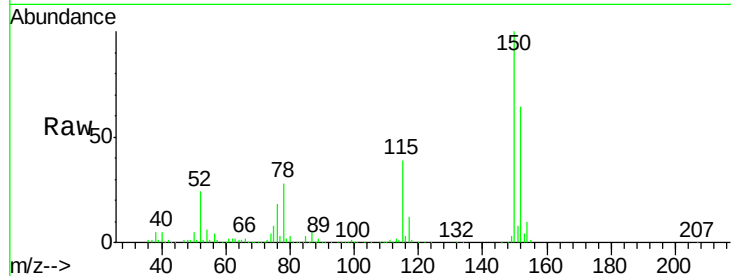
Tgt Ion:152 Resp: 115573

Ion Ratio Lower Upper

152 100

115 61.4 29.9 89.7

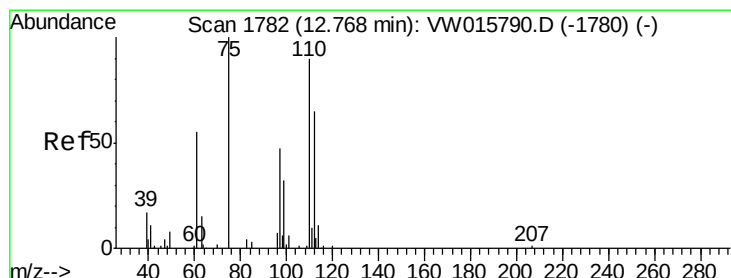
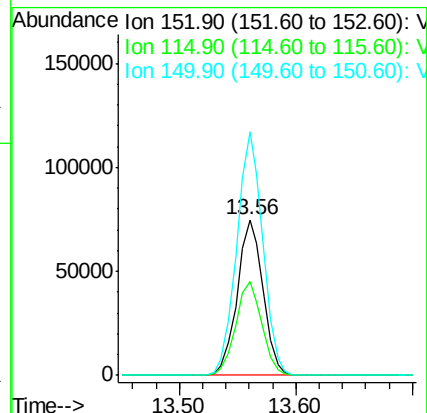
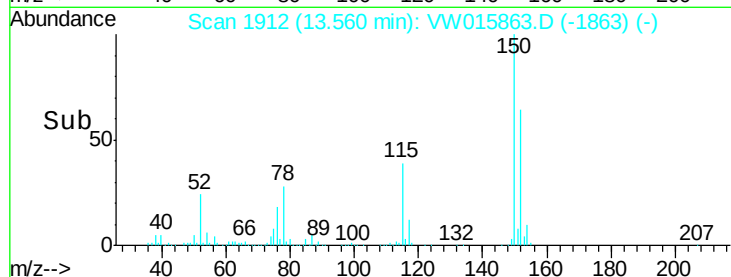
150 157.9 0.0 350.8



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: 71.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015863.D

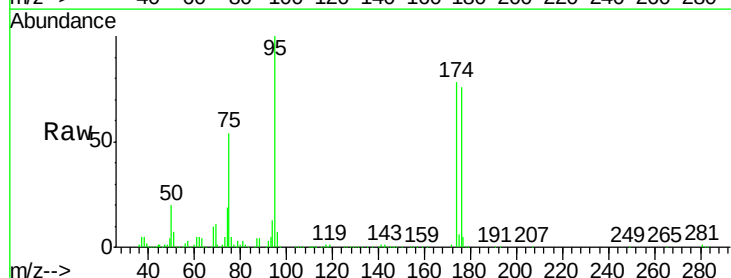
Acq: 16 Jul 2020 15:35

Tgt Ion: 75 Resp: 72156

Ion Ratio Lower Upper

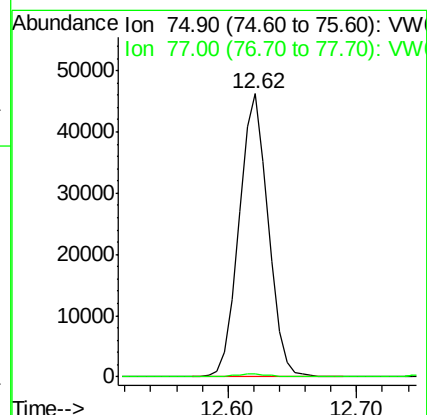
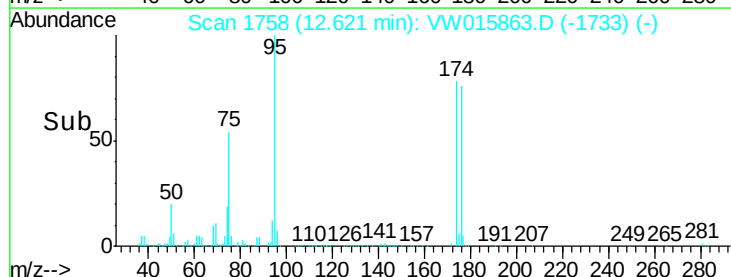
75 100

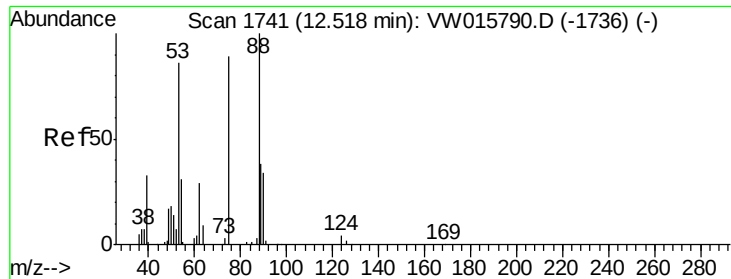
77 1.3 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

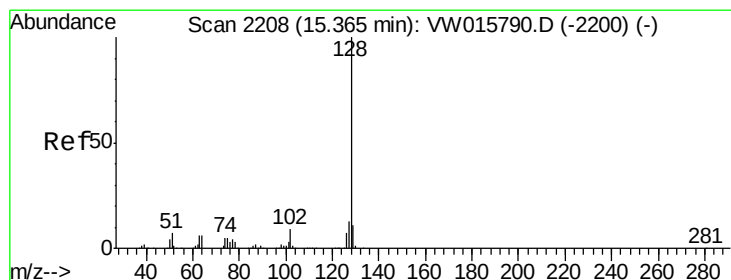
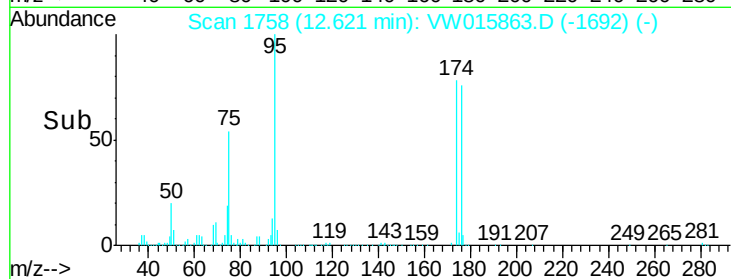
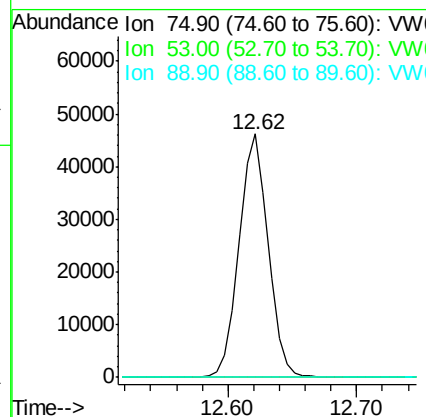
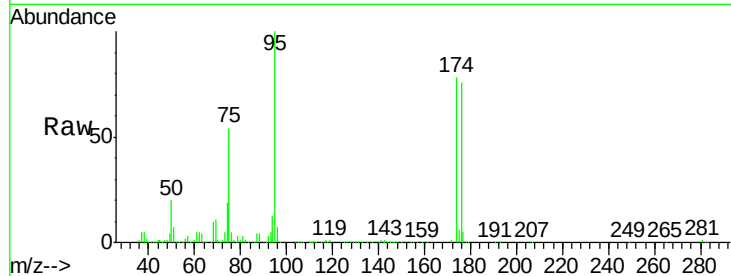




#81
trans-1,4-Dichloro-2-butene
Concen: 152.824 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW015863.D
Acq: 16 Jul 2020 15:35

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-03-013-B

Tgt Ion: 75 Resp: 72156
Ion Ratio Lower Upper
75 100
53 0.2 85.9 128.9#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 3.432 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015863.D
Acq: 16 Jul 2020 15:35

Tgt Ion: 128 Resp: 2459
Ion Ratio Lower Upper
128 100
127 10.7 10.6 16.0
129 5.5 8.7 13.1#

