

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060015.D
 Acq On : 20 Aug 2018 21:15
 Operator : VA/AP
 Sample : J4523-02
 Misc : 5.65µ/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2

Quant Time: Aug 21 04:29:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	123831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	168057	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	140635	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	59978	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	123039	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
35) Dibromofluoromethane	4.29	113	97107	56.54	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.08%	
50) Toluene-d8	7.71	98	162514	42.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.10%	
62) 4-Bromofluorobenzene	11.51	95	78172	33.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.70%	

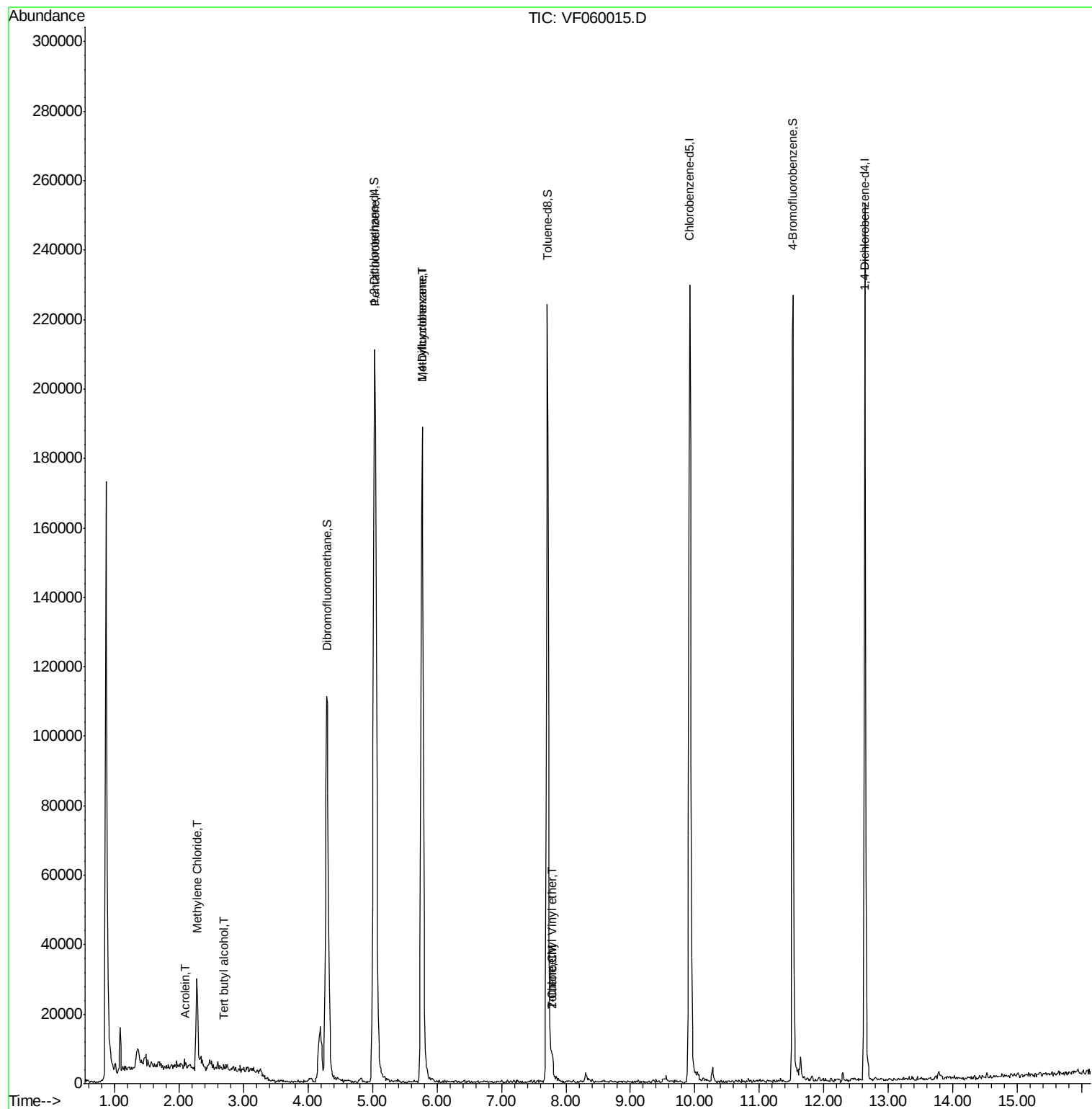
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	799	Below Cal	#	45
5) Bromomethane	1.35	94	276	Below Cal		85
11) Tert butyl alcohol	2.68	59	282	2.02	ug/l #	76
13) Acrolein	2.10	56	66	13.42	ug/l #	1
16) Acetone	2.34	43	2628	Below Cal	#	64
18) Methyl Acetate	2.47	43	1327	Below Cal	#	63
20) Methylene Chloride	2.28	84	10641	4.32	ug/l	93
39) Methylcyclohexane	5.76	83	3528	2.46	ug/l #	31
52) Toluene	7.79	92	2790	1.15	ug/l	83
58) 2-Chloroethyl Vinyl ether	7.79	63	861	9.11	ug/l	100

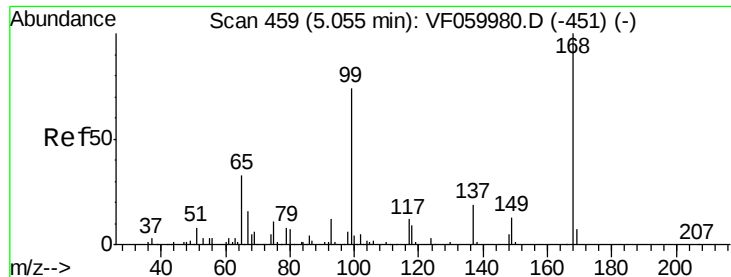
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

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MSVOA_F

ClientSampleId :

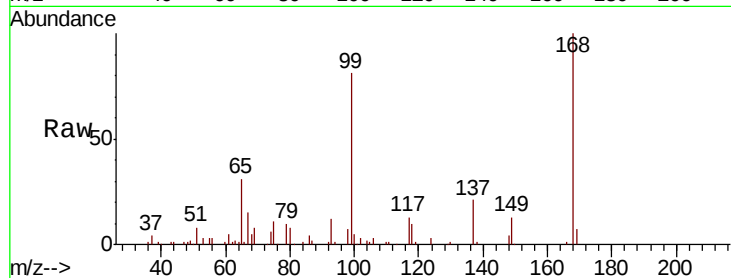
WC-2

Tot Ion:168 Resp: 123831

Ion Ratio Lower Upper

168 100

99 81.4 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

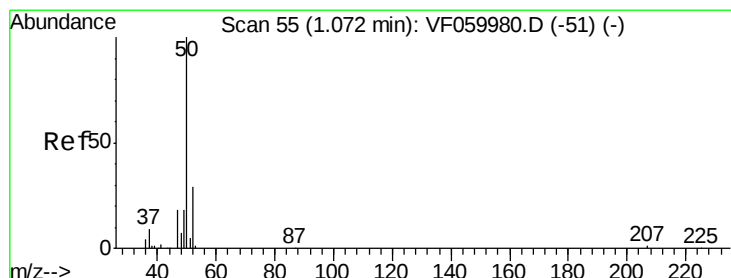
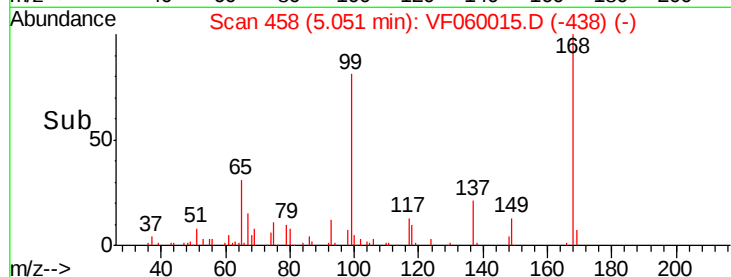
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.02 min

Lab File: VF060015.D

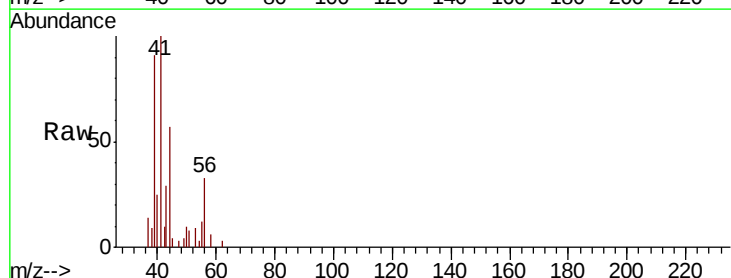
Acq: 20 Aug 2018 21:15

Tgt Ion: 50 Resp: 799

Ion Ratio Lower Upper

50 100

52 0.0 23.6 35.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

400

300

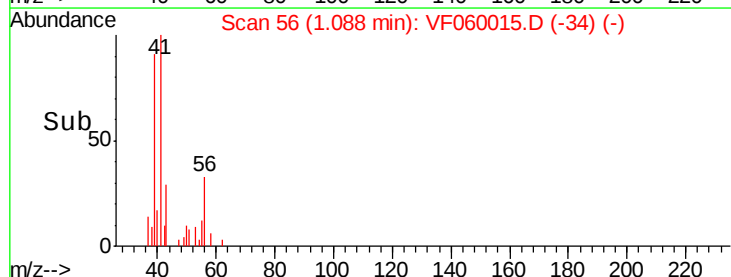
200

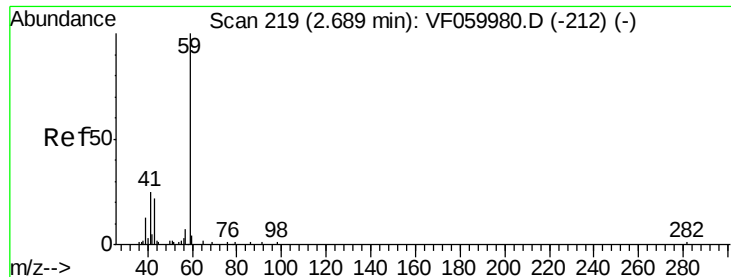
100

0

Time-->

1.05 1.10



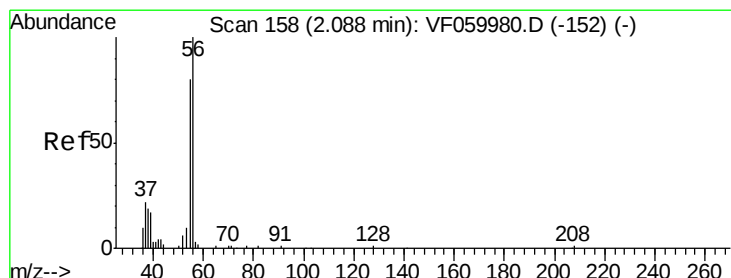
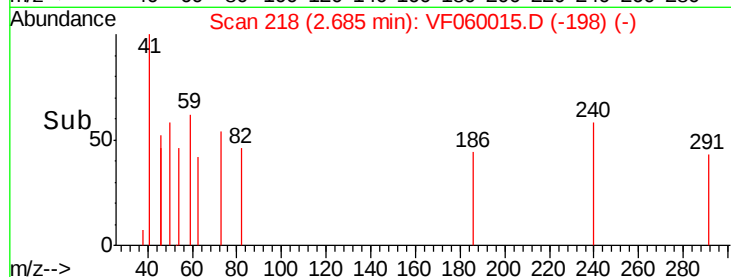
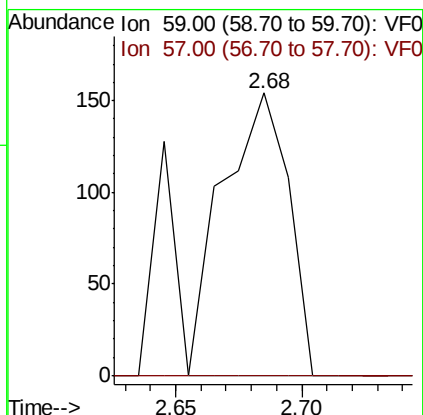
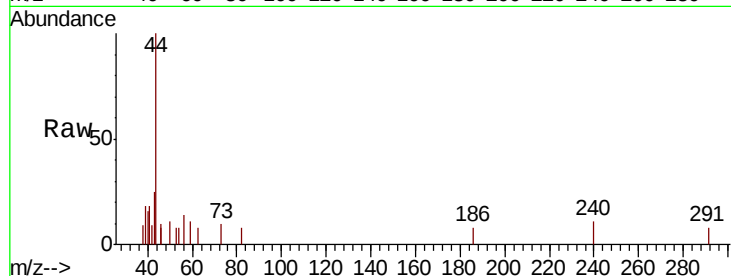


#11

Tert butyl alcohol
 Concen: 2.02 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VF060015.D
 Acq: 20 Aug 2018 21:15

Instrument :
 MSVOA_F
 ClientSampleID :
 WC-2

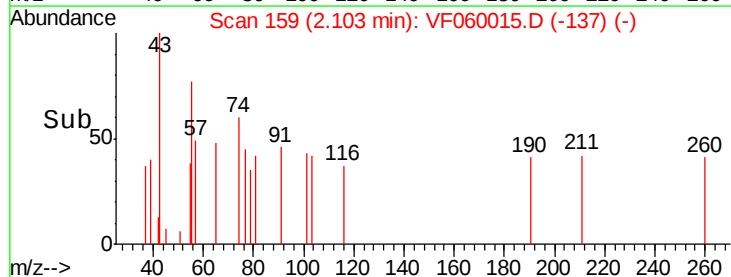
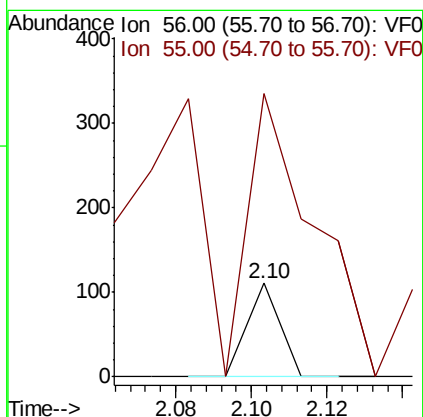
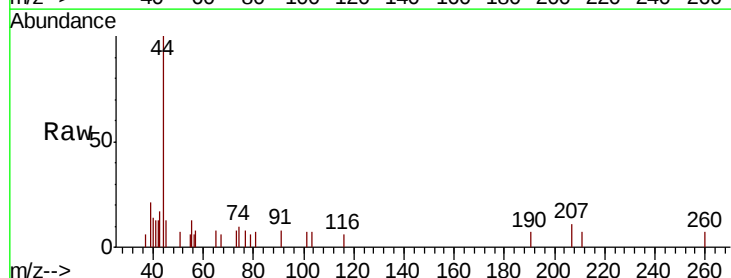
Tot Ion: 59 Resp: 282
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

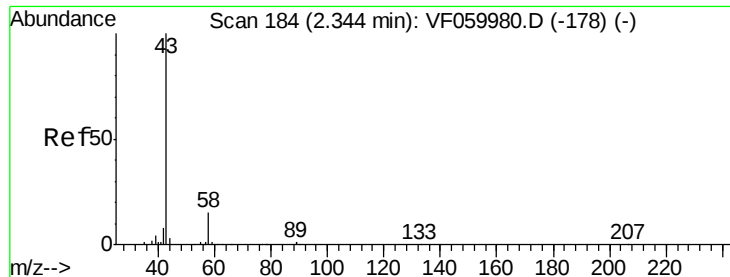


#13

Acrolein
 Concen: 13.42 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. 0.02 min
 Lab File: VF060015.D
 Acq: 20 Aug 2018 21:15

Tgt Ion: 56 Resp: 66
 Ion Ratio Lower Upper
 56 100
 55 301.8 63.8 95.6#





#16

Acetone

Concen: Below Cal

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

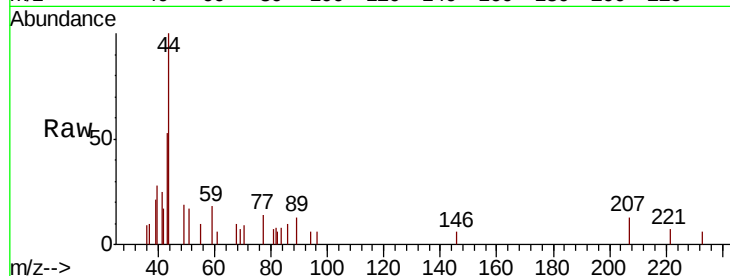
WC-2

Tot Ion: 43 Resp: 2628

Ion Ratio Lower Upper

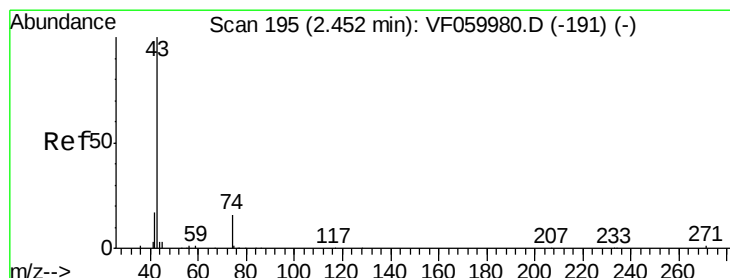
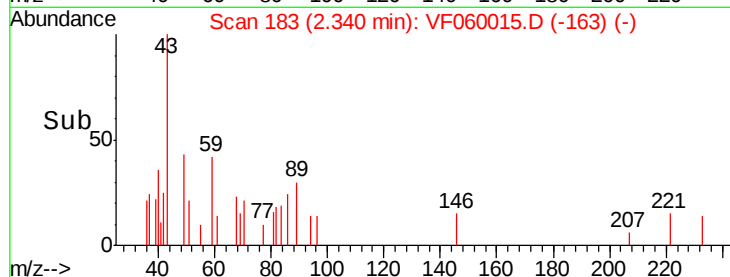
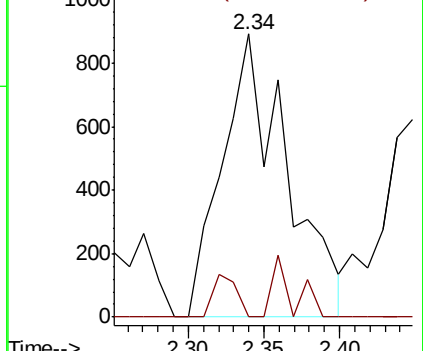
43 100

58 0.0 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.47 min Scan# 196

Delta R.T. 0.02 min

Lab File: VF060015.D

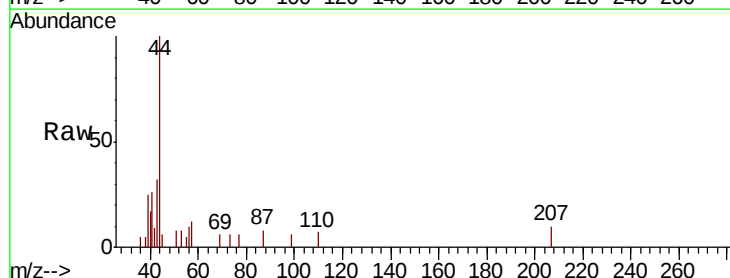
Acq: 20 Aug 2018 21:15

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

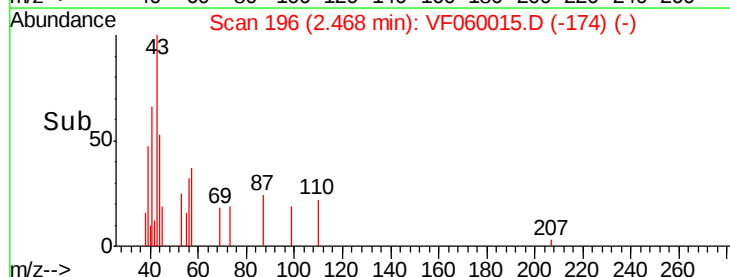
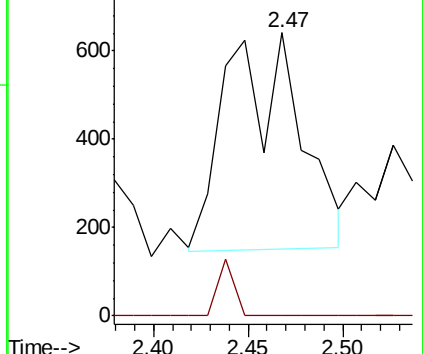
43 100

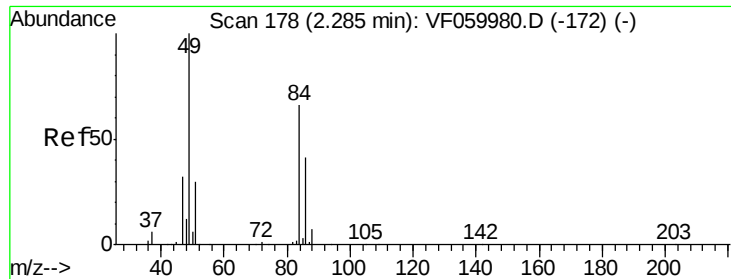
74 0.0 12.3 18.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

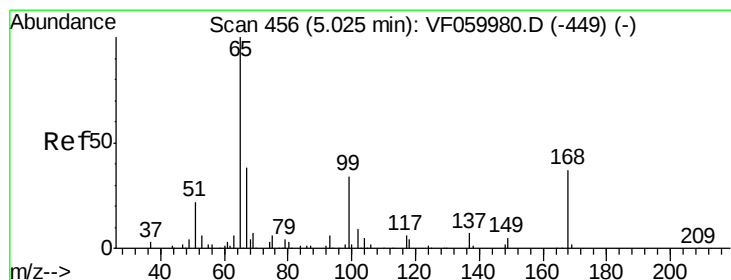
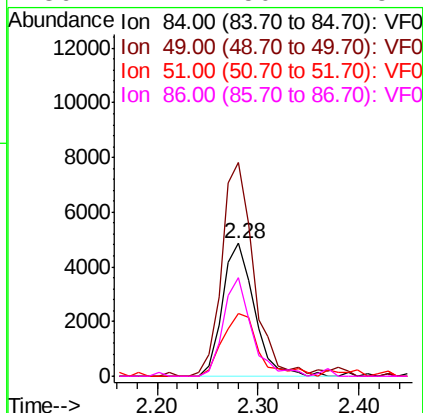
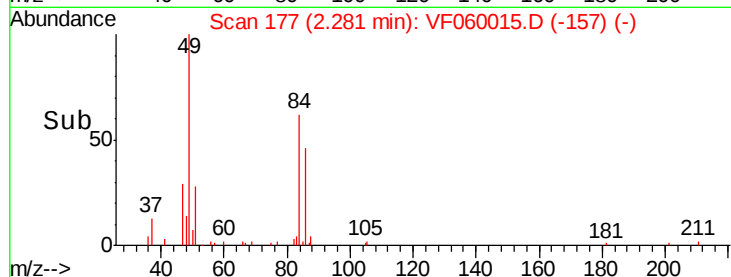
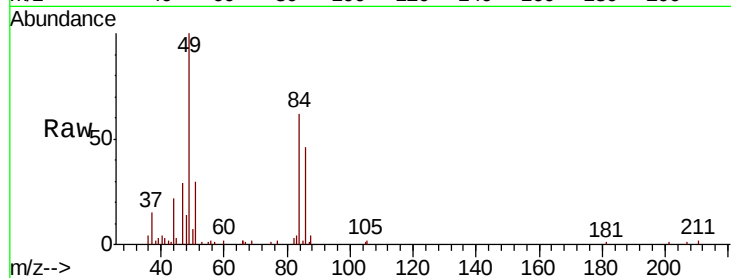




#20
Methvlene Chloride
Concen: 4.32 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060015.D
Acq: 20 Aug 2018 21:15

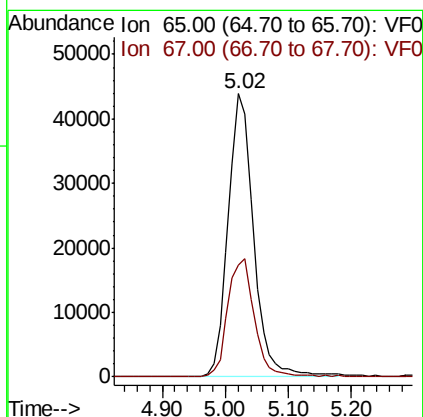
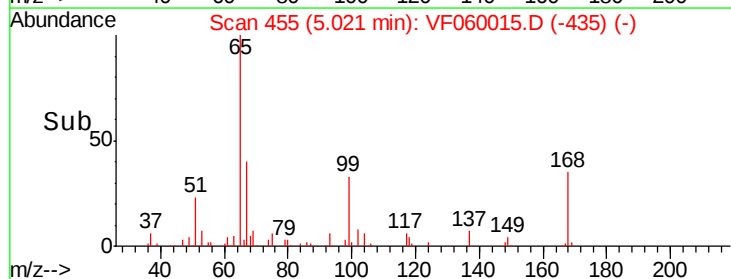
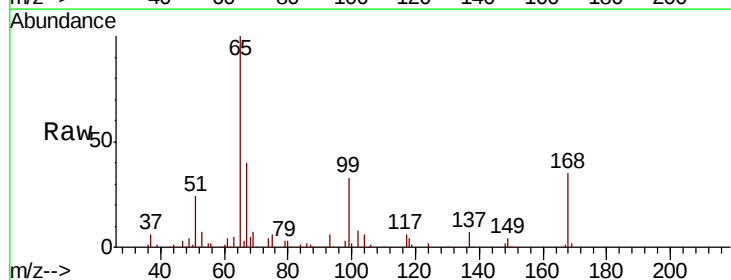
Instrument :
MSVOA_F
ClientSampleId :
WC-2

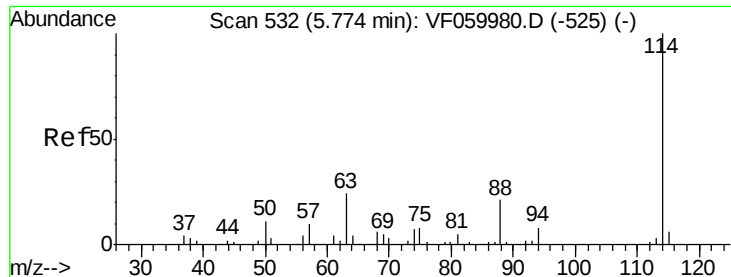
Tot Ion: 84 Resp: 10641
Ion Ratio Lower Upper
84 100
49 160.8 122.5 183.7
51 47.6 37.1 55.7
86 74.4 50.2 75.2



#33
1,2-Dichloroethane-d4
Concen: 51.47 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060015.D
Acq: 20 Aug 2018 21:15

Tgt Ion: 65 Resp: 123039
Ion Ratio Lower Upper
65 100
67 39.6 0.0 82.6

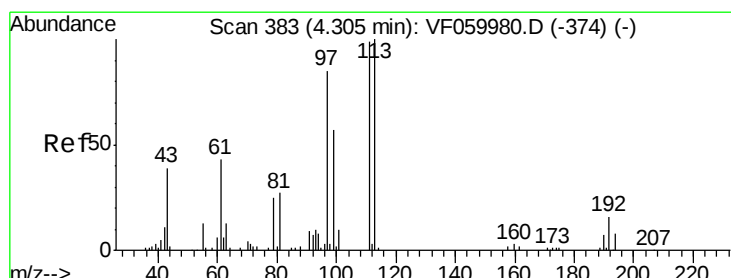
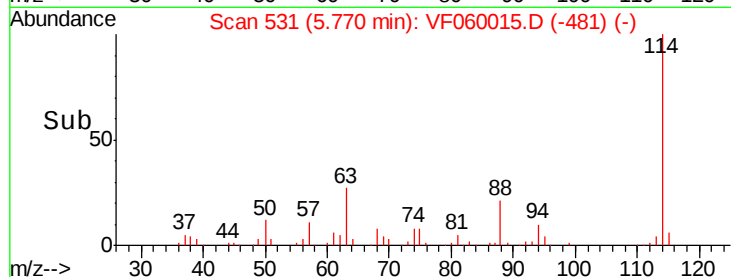
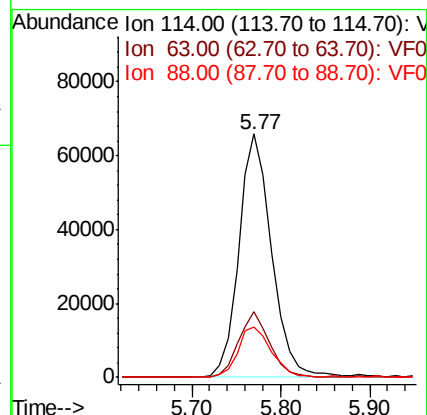
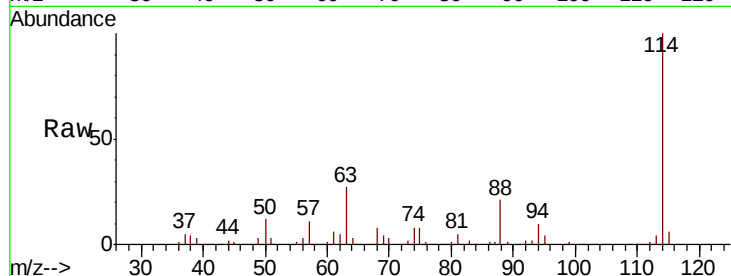




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF060015.D
 Acq: 20 Aug 2018 21:15

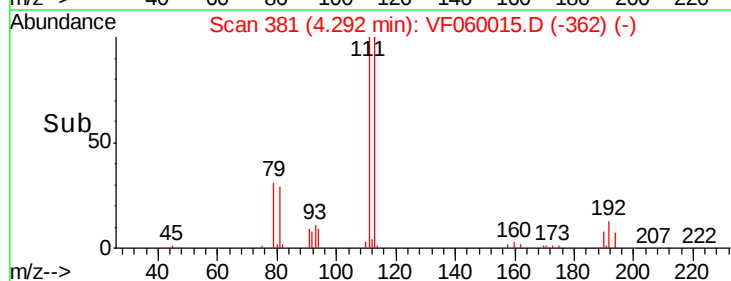
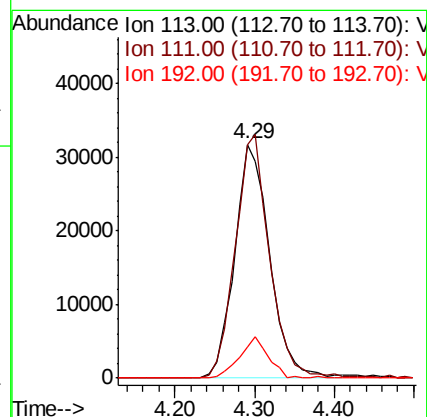
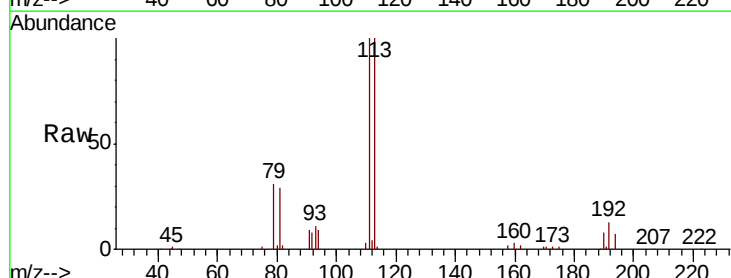
Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2

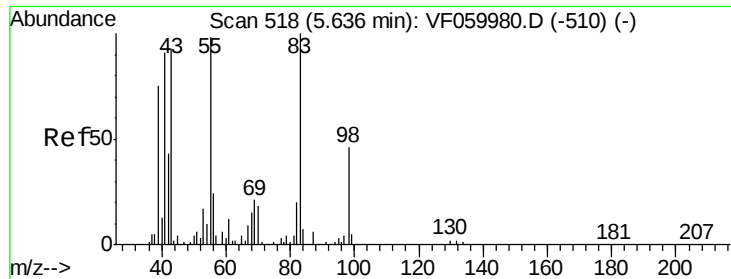
Tot Ion:	114	Resp:	168057
Ion	Ratio	Lower	Upper
114	100		
63	27.2	0.0	48.6
88	20.6	0.0	42.8



#35
 Dibromofluoromethane
 Concen: 56.54 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060015.D
 Acq: 20 Aug 2018 21:15

Tgt Ion:	113	Resp:	97107
Ion	Ratio	Lower	Upper
113	100		
111	99.7	79.5	119.3
192	13.5	12.4	18.6

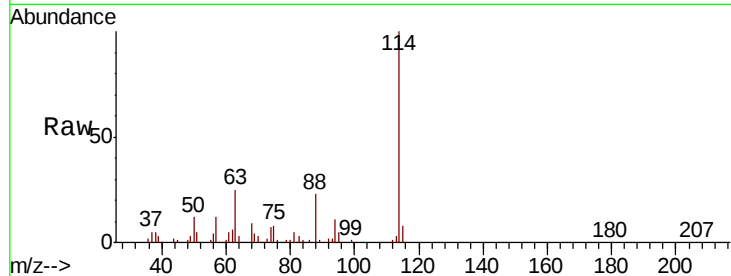




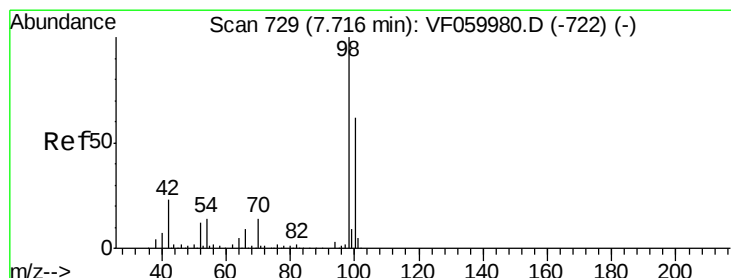
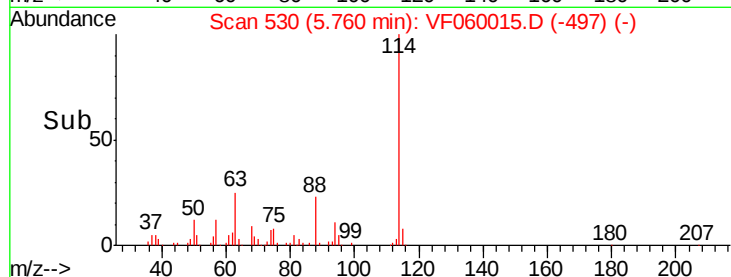
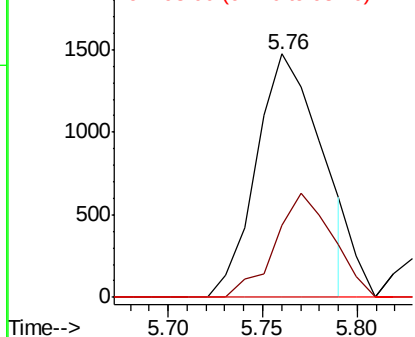
#39
Methvlcvclohexane
Concen: 2.46 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF060015.D
Acq: 20 Aug 2018 21:15

Instrument :
MSVOA_F
ClientSampleId :
WC-2

Tot Ion: 83 Resp: 3528
Ion Ratio Lower Upper
83 100
55 29.7 78.8 118.2#
98 0.0 36.8 55.2#

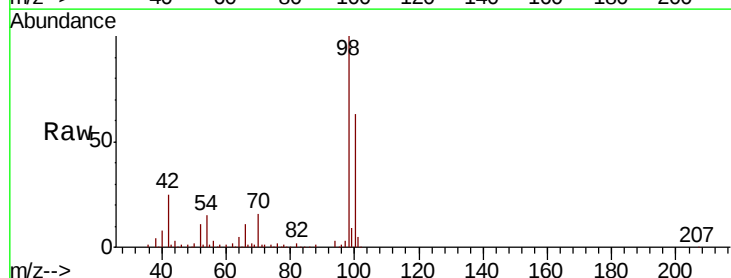


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

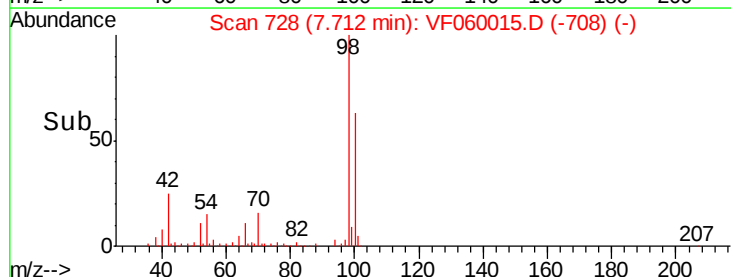
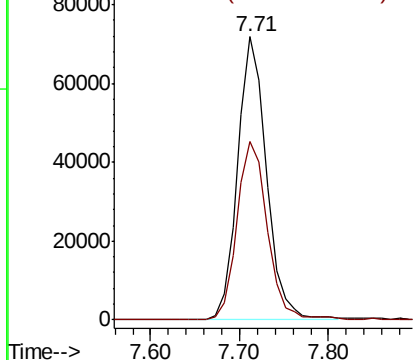


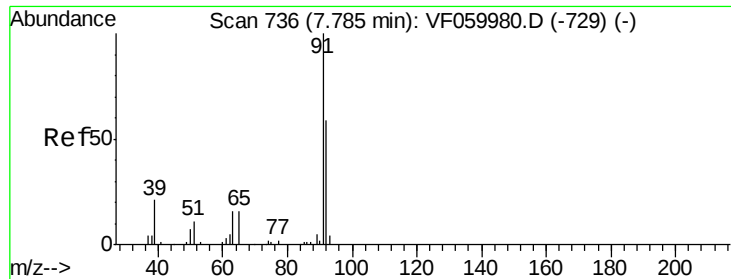
#50
Toluene-d8
Concen: 42.55 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF060015.D
Acq: 20 Aug 2018 21:15

Tgt Ion: 98 Resp: 162514
Ion Ratio Lower Upper
98 100
100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.15 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

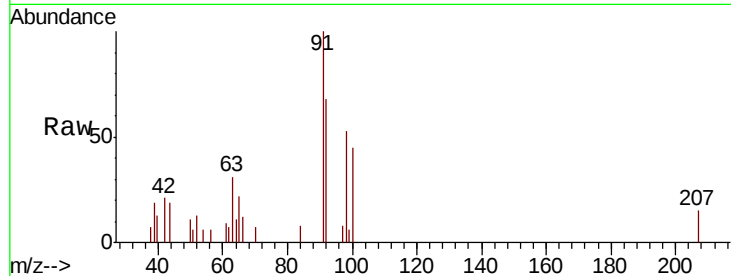
WC-2

Tot Ion: 92 Resp: 2790

Ion Ratio Lower Upper

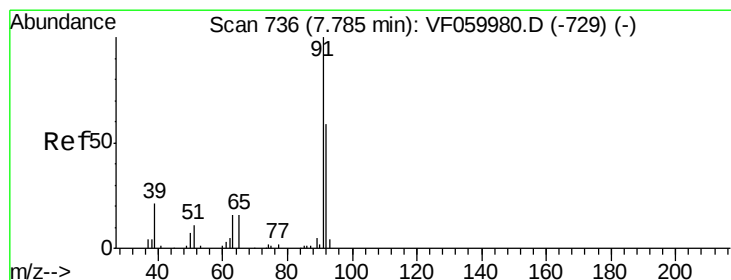
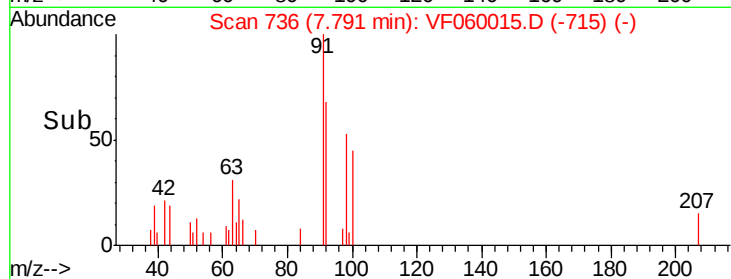
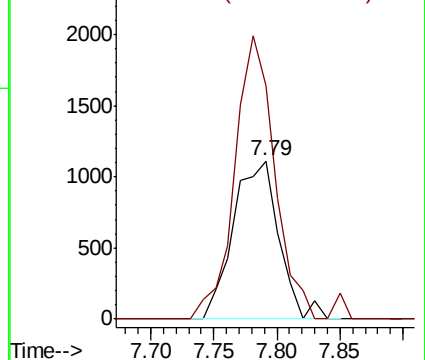
92 100

91 147.1 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 9.11 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF060015.D

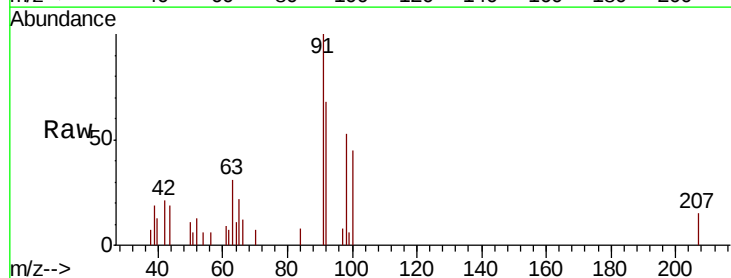
Acq: 20 Aug 2018 21:15

Tgt Ion: 63 Resp: 861

Ion Ratio Lower Upper

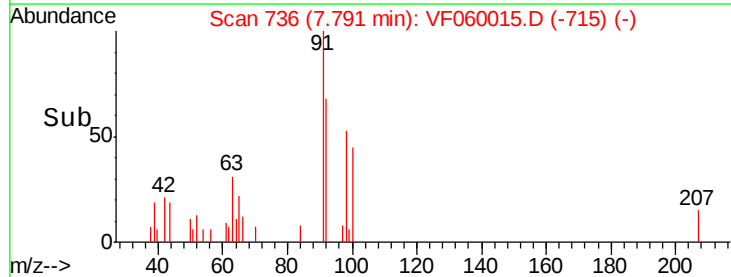
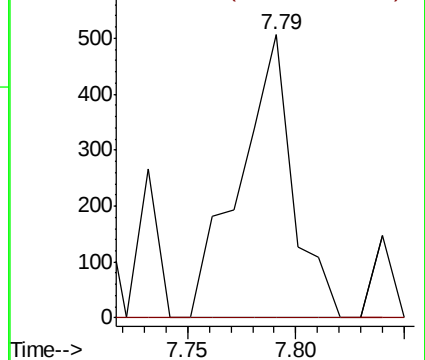
63 100

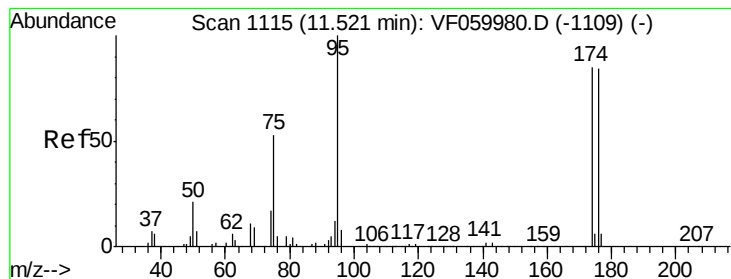
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 33.35 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

WC-2

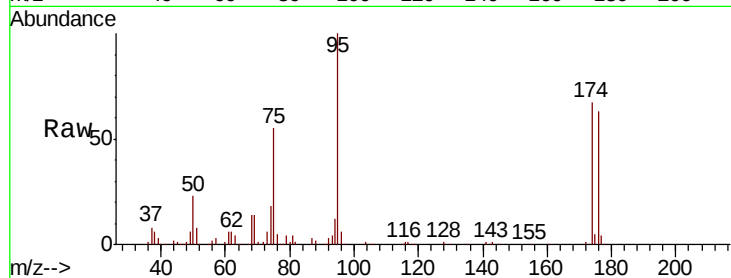
Tot Ion: 95 Resp: 78172

Ion Ratio Lower Upper

95 100

174 67.0 0.0 169.8

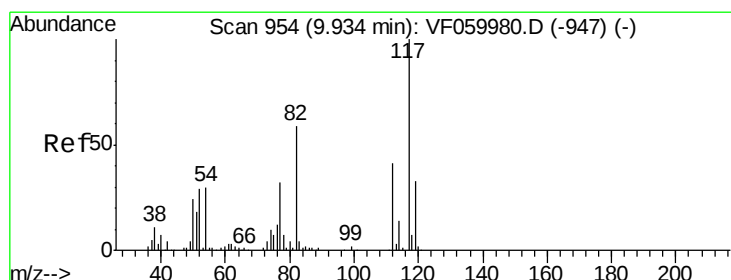
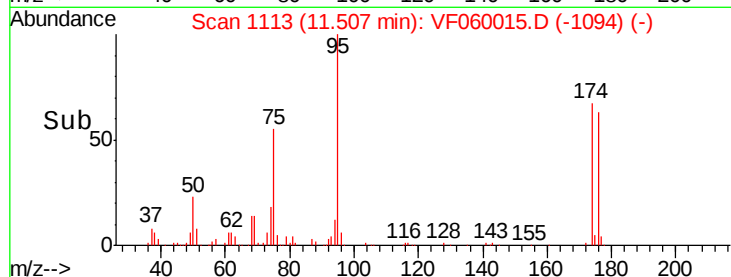
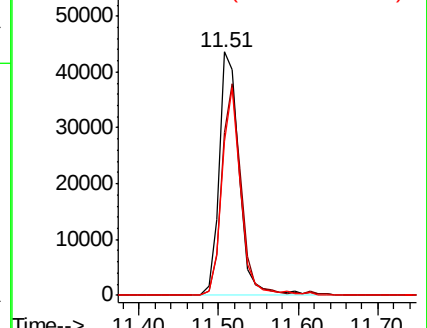
176 63.1 0.0 167.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

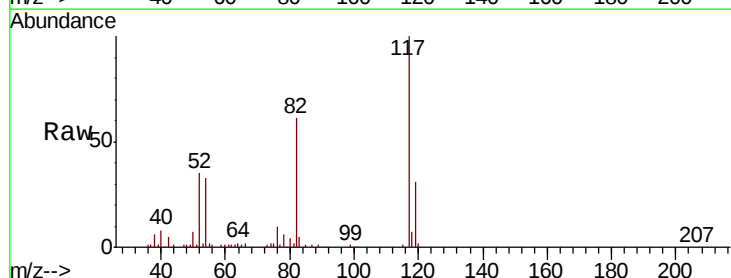
Tgt Ion: 117 Resp: 140635

Ion Ratio Lower Upper

117 100

82 60.8 47.2 70.8

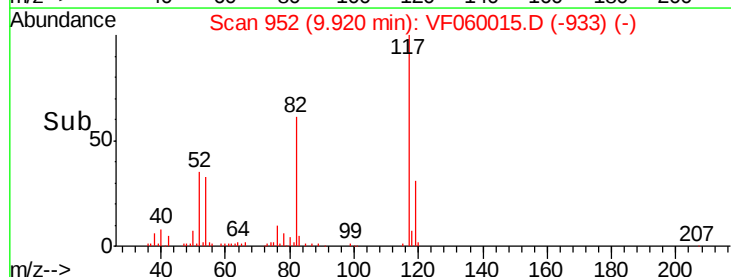
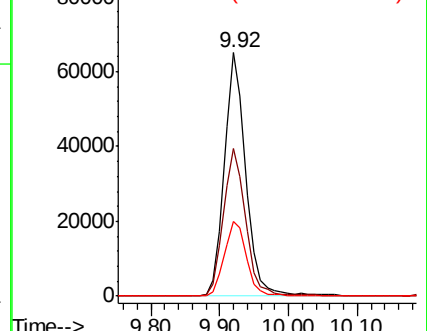
119 30.7 26.1 39.1

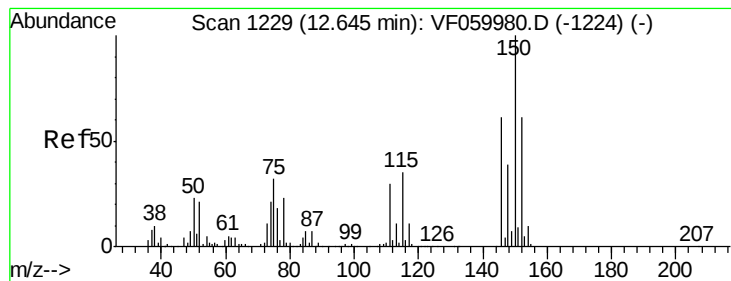


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

WC-2

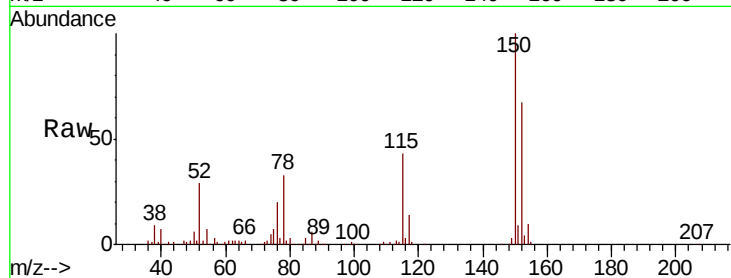
Tot Ion:152 Resp: 59978

Ion Ratio Lower Upper

152 100

115 64.6 29.1 87.3

150 149.5 0.0 330.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

