

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060093.D
 Acq On : 24 Aug 2018 11:28
 Operator : VA/AP
 Sample : J4612-04
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200027

Quant Time: Aug 24 16:43:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

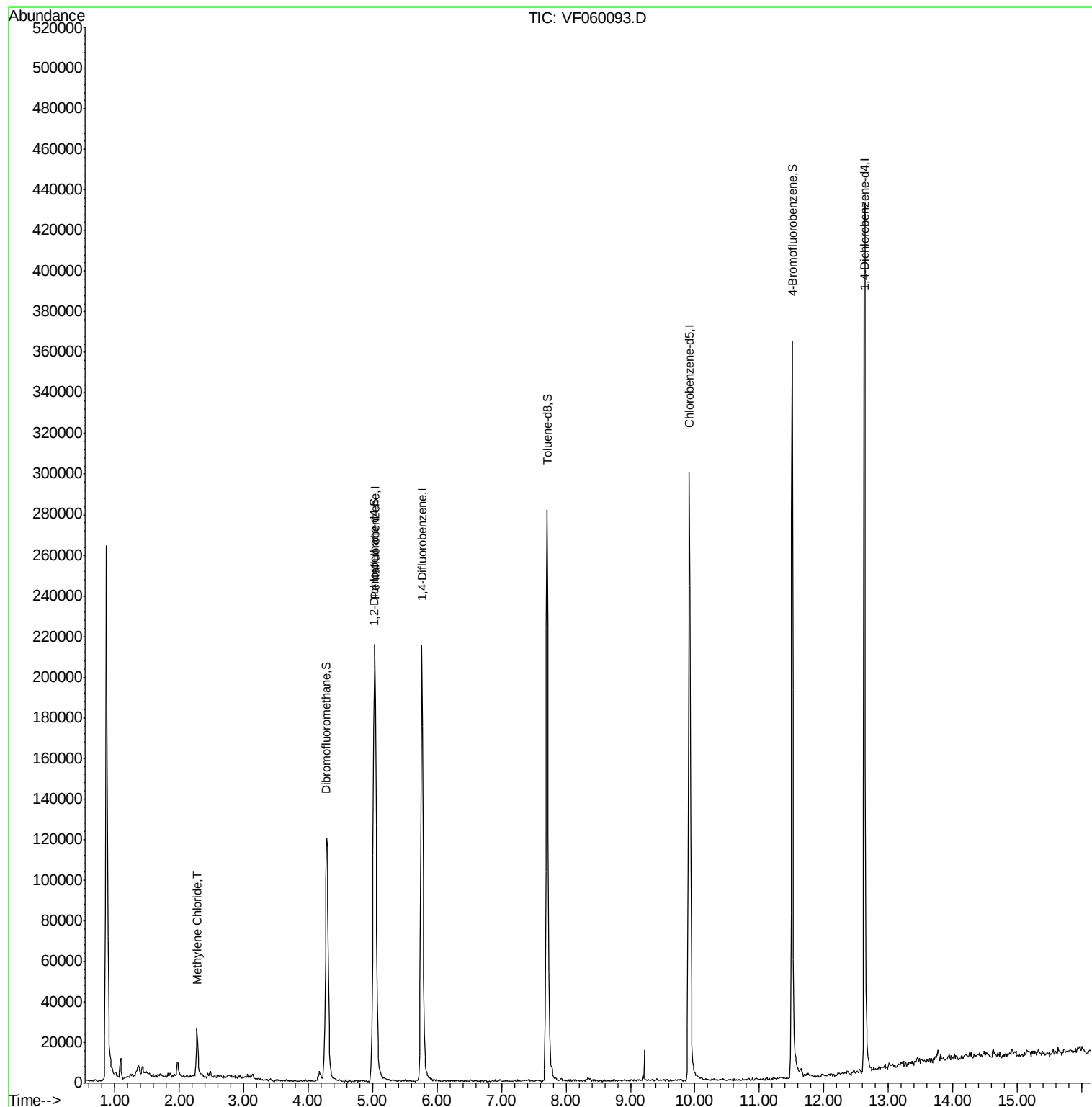
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	135174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	222289	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	206316	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	114888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	126028	68.12	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	136.24%	
35) Dibromofluoromethane	4.29	113	110994	63.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	127.18%	
50) Toluene-d8	7.71	98	224875	45.36	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.72%	
62) 4-Bromofluorobenzene	11.51	95	129931	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
Target Compounds						
20) Methylene Chloride	2.27	84	9157	4.94	ug/l	# 88

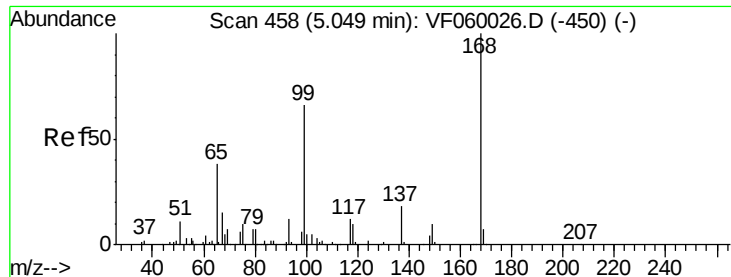
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060093.D

Acq: 24 Aug 2018 11:28

Instrument :

MSVOA_F

ClientSampleId :

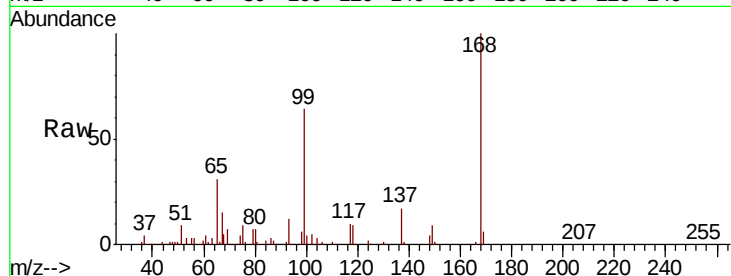
RBR200027

Tot Ion:168 Resp: 135174

Ion Ratio Lower Upper

168 100

99 64.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF060026.D (-450) (-)

Ion 99.00 (98.70 to 99.70): VF060026.D (-450) (-)

5.04

40000

30000

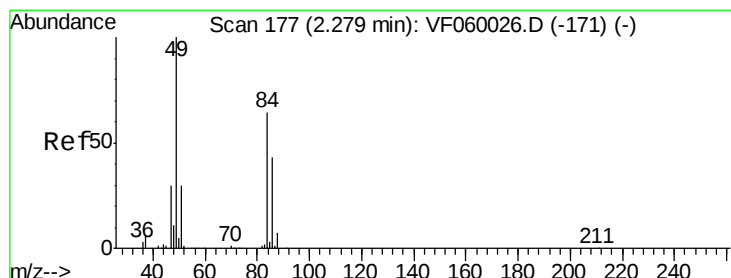
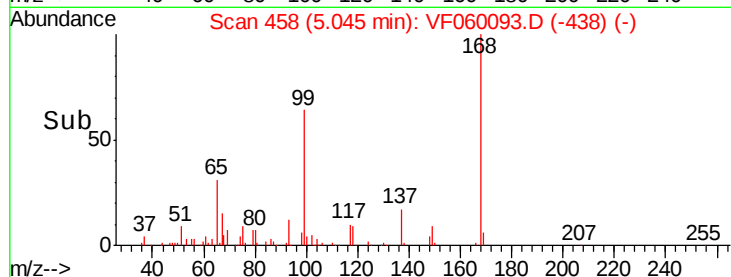
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 4.94 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060093.D

Acq: 24 Aug 2018 11:28

Tgt Ion: 84 Resp: 9157

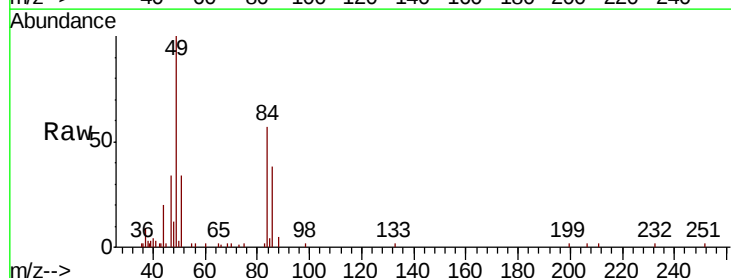
Ion Ratio Lower Upper

84 100

49 176.1 125.4 188.0

51 60.1 38.3 57.5#

86 67.5 53.3 79.9



Abundance Ion 84.00 (83.70 to 84.70): VF060026.D (-171) (-)

Ion 49.00 (48.70 to 49.70): VF060026.D (-171) (-)

Ion 51.00 (50.70 to 51.70): VF060026.D (-171) (-)

Ion 86.00 (85.70 to 86.70): VF060026.D (-171) (-)

10000

8000

6000

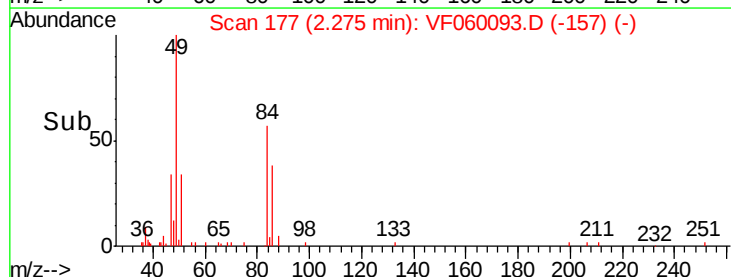
4000

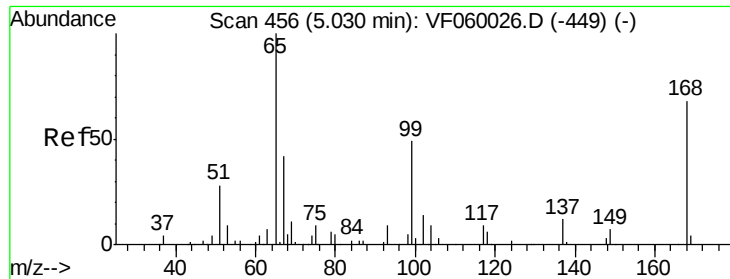
2000

0

2.20 2.30 2.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 68.12 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060093.D

Acq: 24 Aug 2018 11:28

Instrument :

MSVOA_F

ClientSampleId :

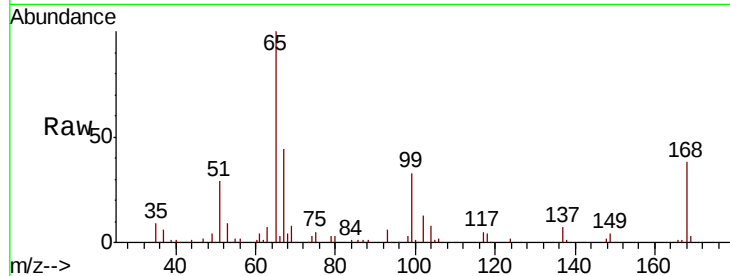
RBR200027

Tot Ion: 65 Resp: 126028

Ion Ratio Lower Upper

65 100

67 44.2 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

40000

30000

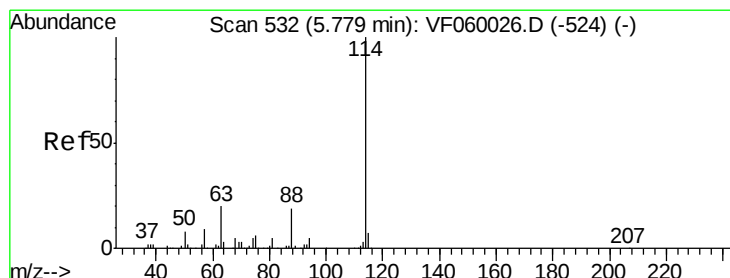
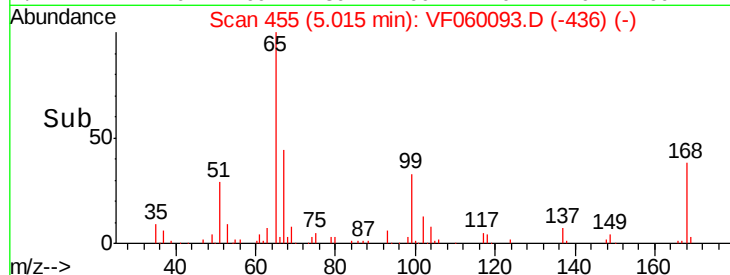
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060093.D

Acq: 24 Aug 2018 11:28

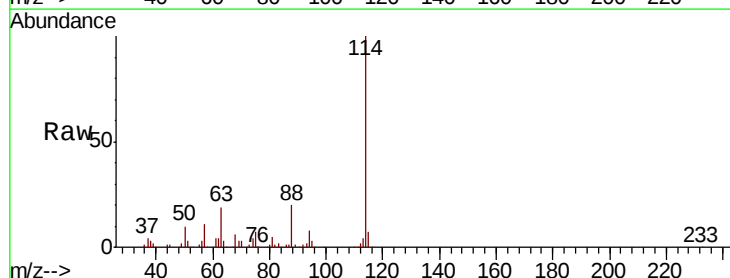
Tgt Ion: 114 Resp: 222289

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 19.8 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.76

100000

80000

60000

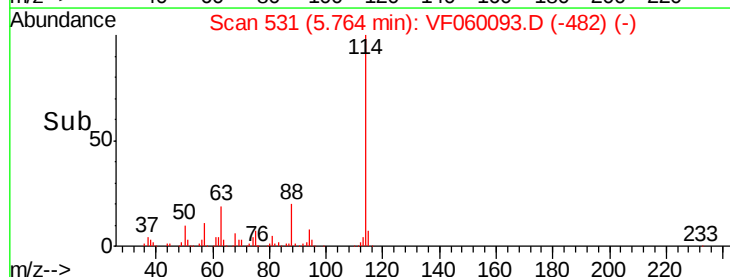
40000

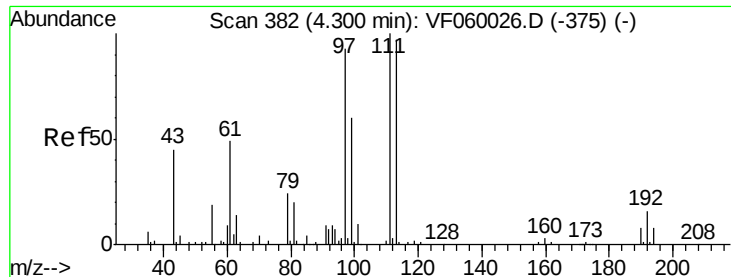
20000

0

5.60 5.70 5.80 5.90 6.00

Time-->





#35

Dibromofluoromethane

Concen: 63.59 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060093.D

Acq: 24 Aug 2018 11:28

Instrument :

MSVOA_F

ClientSampleId :

RBR200027

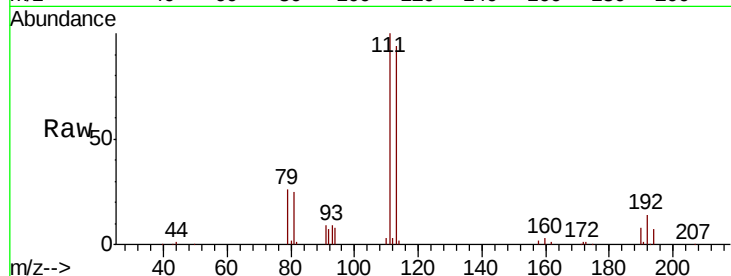
Tot Ion:113 Resp: 110994

Ion Ratio Lower Upper

113 100

111 106.1 82.7 124.1

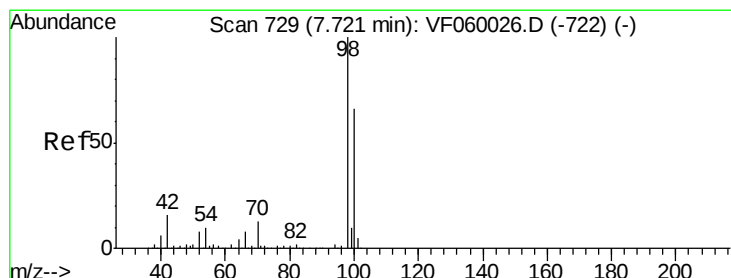
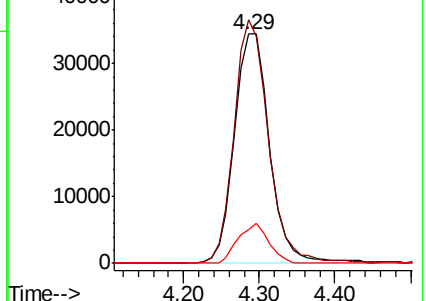
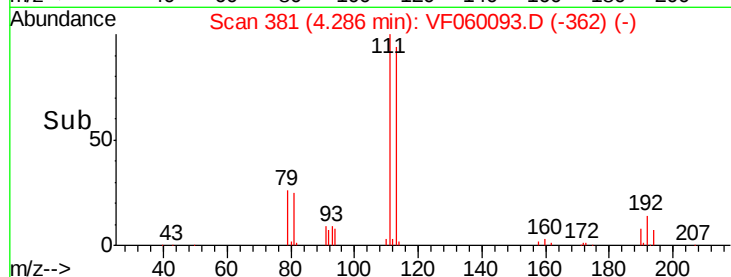
192 14.8 13.0 19.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 45.36 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060093.D

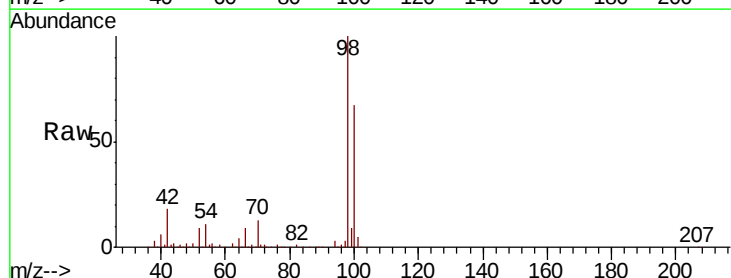
Acq: 24 Aug 2018 11:28

Tgt Ion: 98 Resp: 224875

Ion Ratio Lower Upper

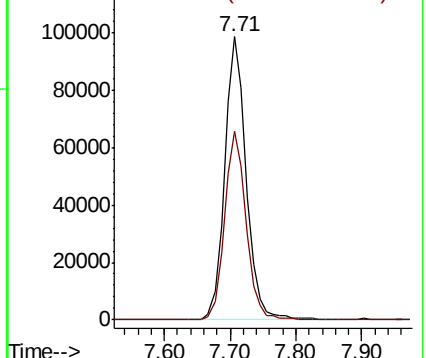
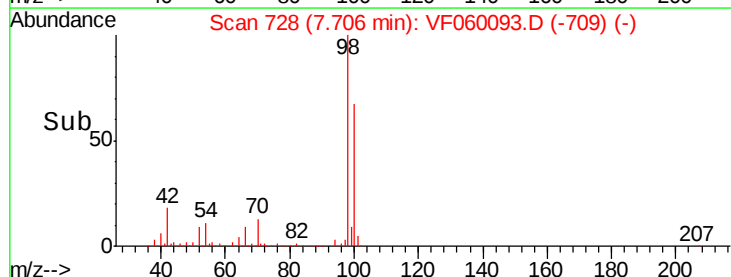
98 100

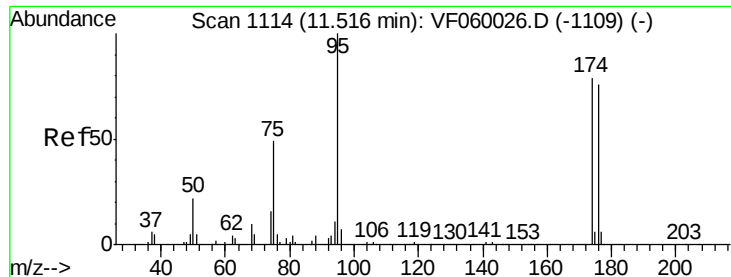
100 66.6 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

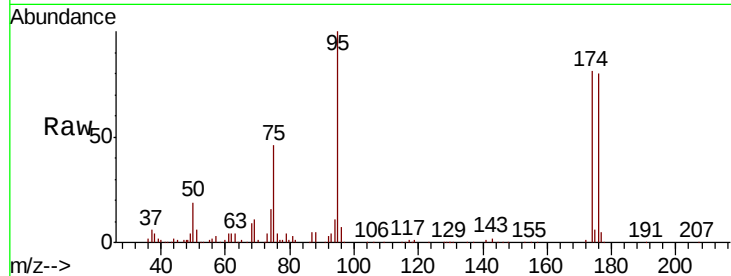




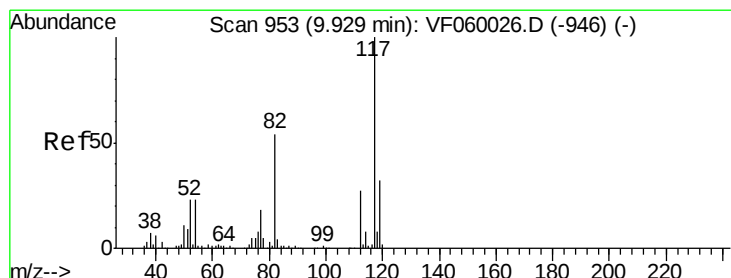
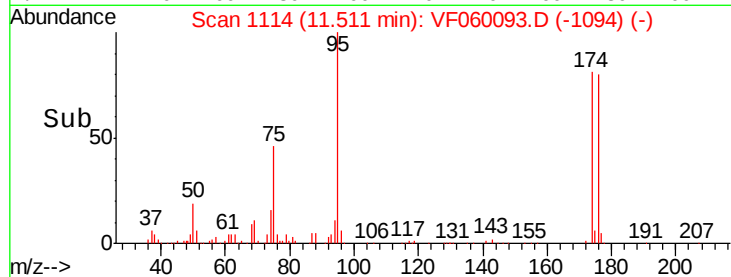
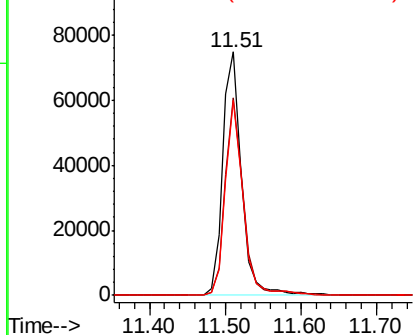
#62
4-Bromofluorobenzene
Concen: 49.55 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VF060093.D
Acq: 24 Aug 2018 11:28

Instrument :
MSVOA_F
ClientSampleId :
RBR200027

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	158.4
176	80.0	0.0	153.0

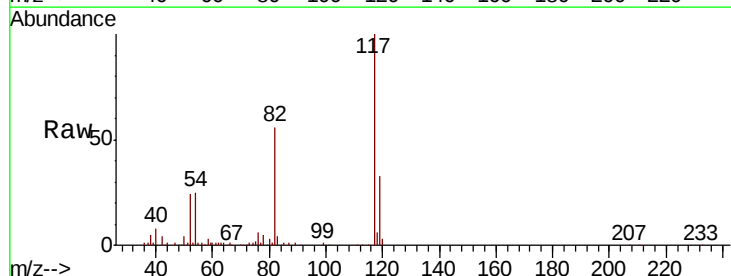


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

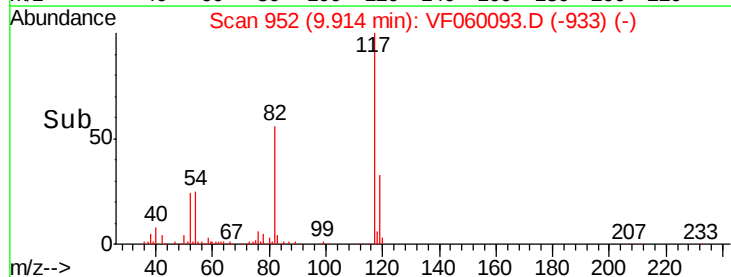
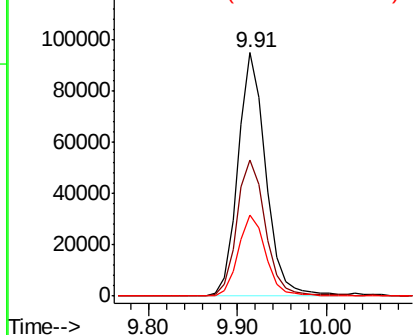


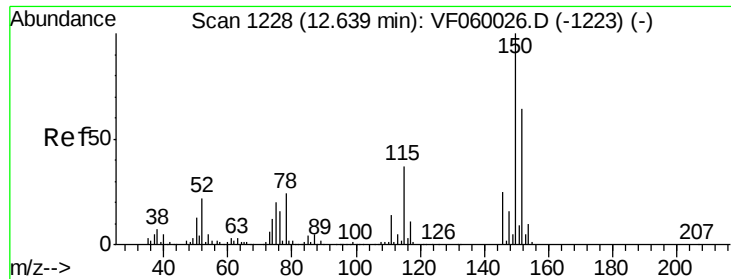
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060093.D
Acq: 24 Aug 2018 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.6	65.4
119	33.5	25.6	38.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF060093.D

Acq: 24 Aug 2018 11:28

Instrument :

MSVOA_F

ClientSampleId :

RBR200027

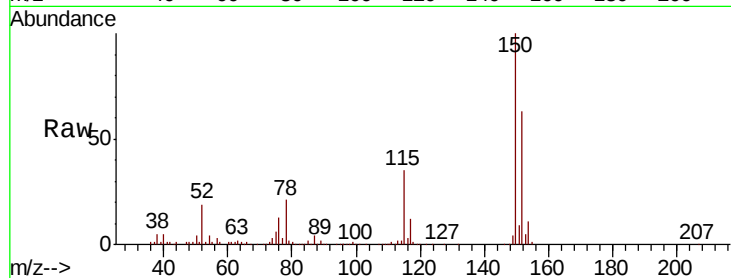
Tot Ion:152 Resp: 114888

Ion Ratio Lower Upper

152 100

115 56.4 28.6 85.9

150 159.8 0.0 312.0



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

