

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059538.D
 Acq On : 19 Jul 2018 3:12
 Operator : VA/AP
 Sample : J3991-02
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-1-B

Quant Time: Jul 19 06:59:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	218757	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	326245	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	350064	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	221611	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	178657	52.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.02%	
35) Dibromofluoromethane	4.28	113	146207	51.74	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.48%	
50) Toluene-d8	7.70	98	312937	43.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.94%	
62) 4-Bromofluorobenzene	11.51	95	185300	49.63	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.26%	

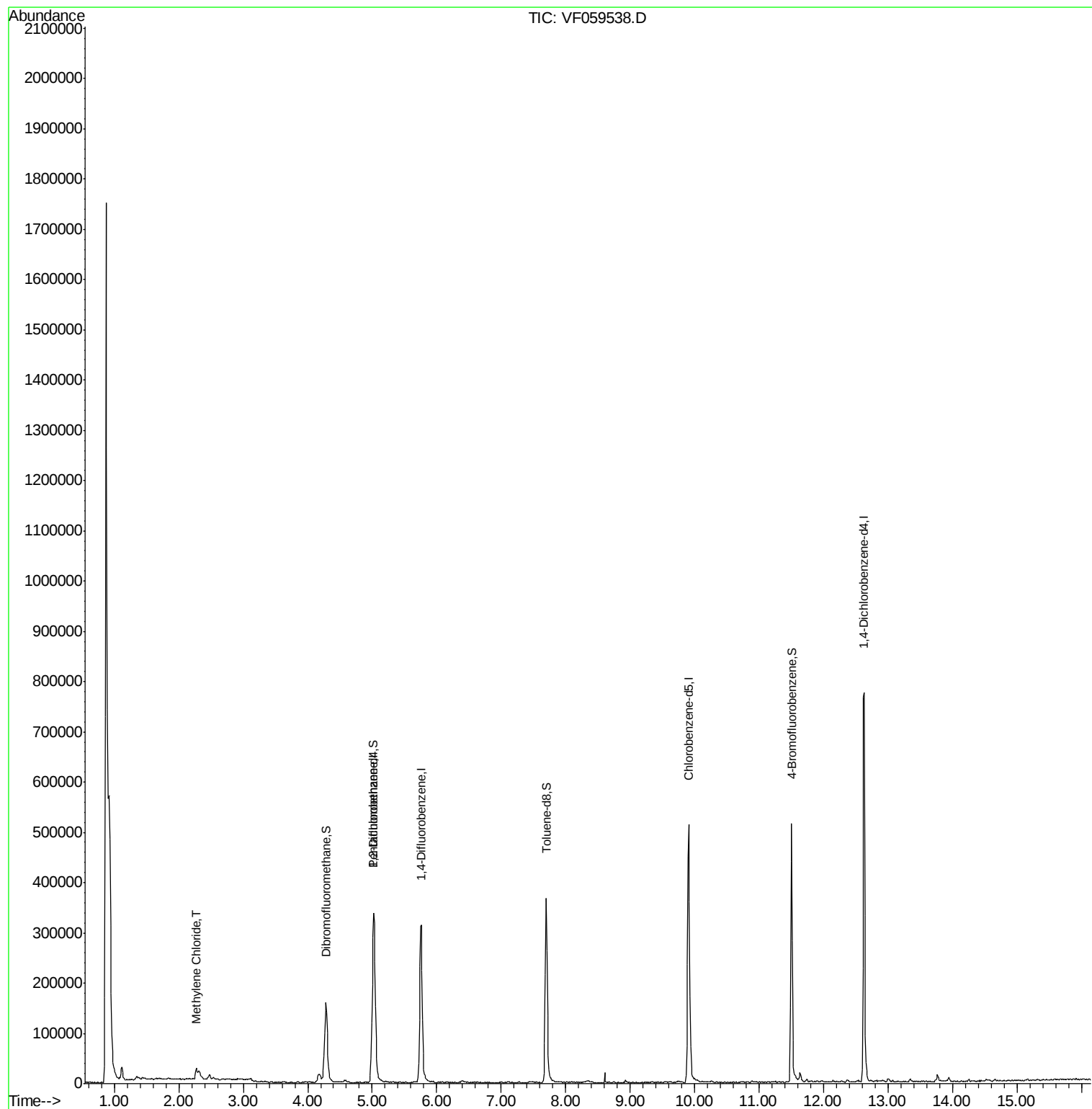
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.27	84	15571	6.12	ug/l	# 88

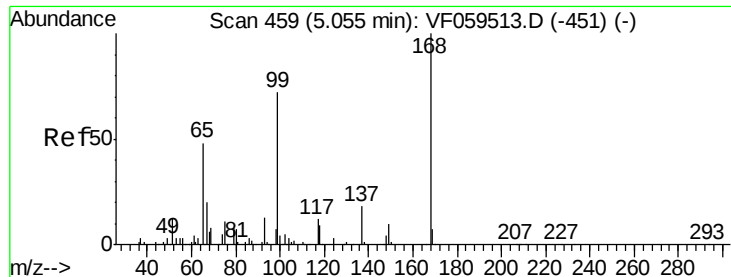
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Instrument :

MSVOA_F

ClientSampleId :

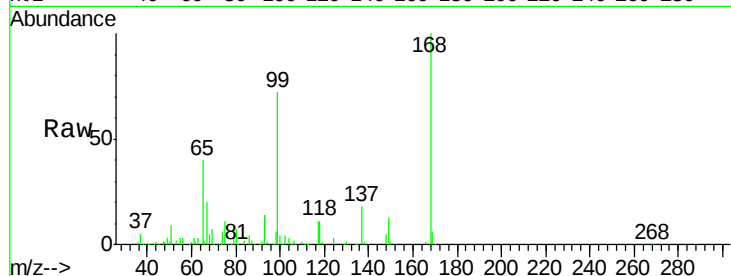
SB-1-B

Tot Ion:168 Resp: 218757

Ion Ratio Lower Upper

168 100

99 72.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

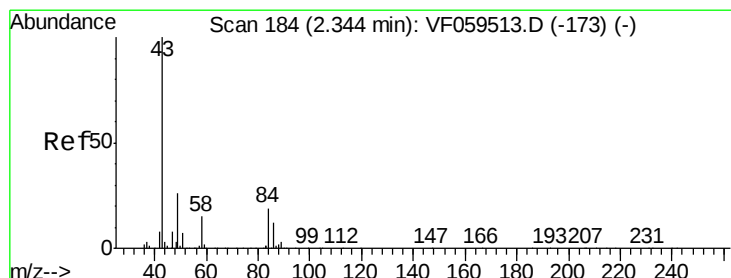
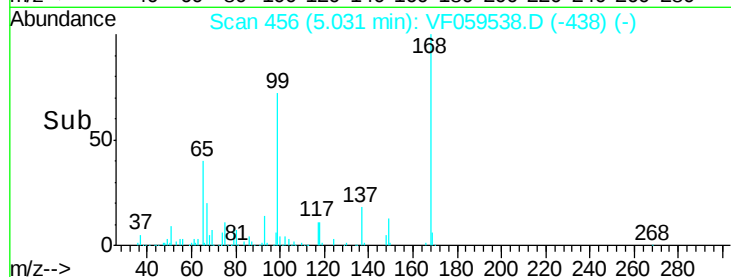
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#20

Methylene Chloride

Concen: 6.12 ug/l

RT: 2.27 min Scan# 176

Delta R.T. -0.07 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Tgt Ion: 84 Resp: 15571

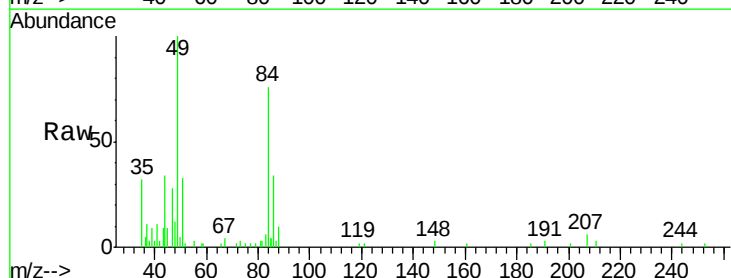
Ion Ratio Lower Upper

84 100

49 125.5 109.4 164.2

51 41.4 30.5 45.7

86 42.7 47.6 71.4#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

8000

6000

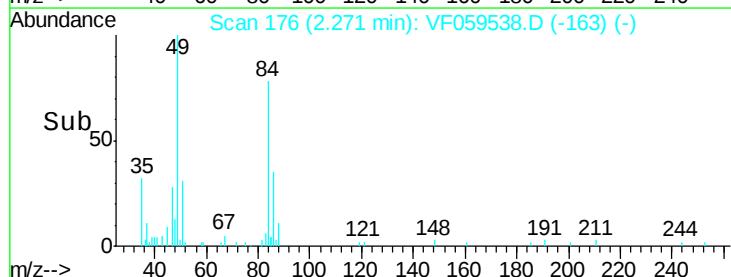
4000

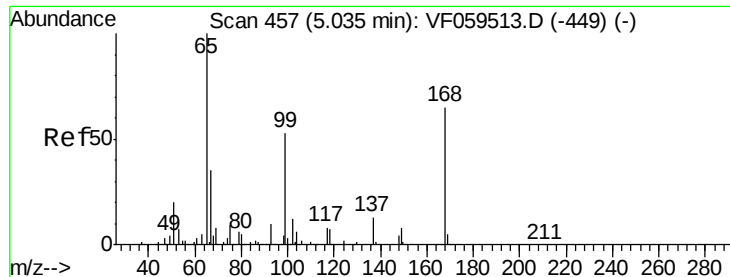
2000

0

Time-->

2.10 2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 52.51 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Instrument :

MSVOA_F

ClientSampleId :

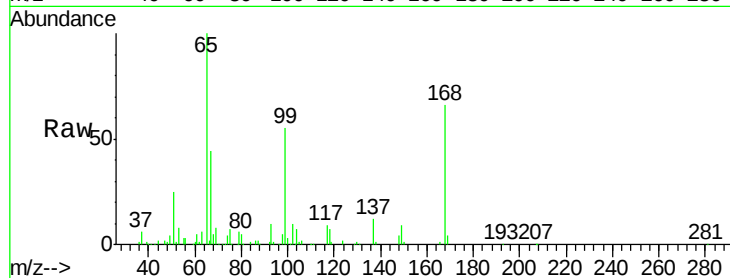
SB-1-B

Tot Ion: 65 Resp: 178657

Ion Ratio Lower Upper

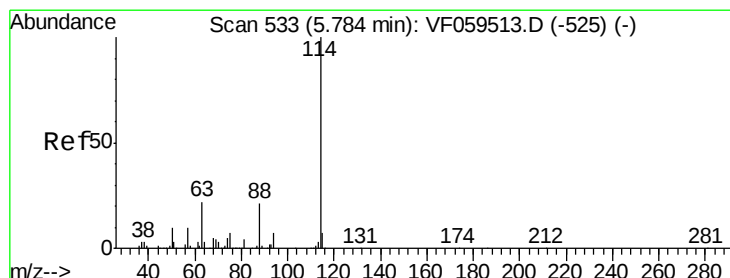
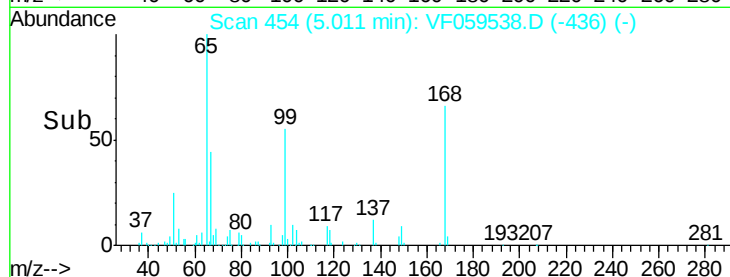
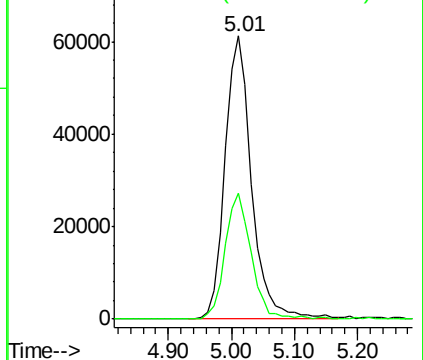
65 100

67 44.4 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

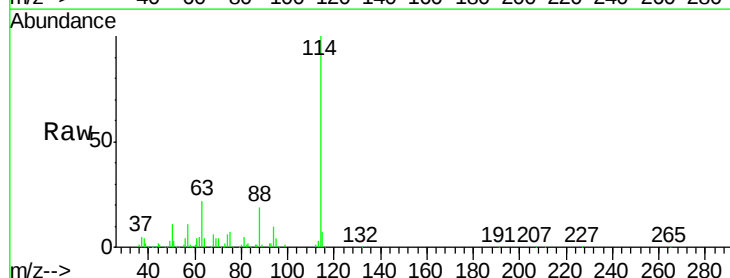
Tgt Ion: 114 Resp: 326245

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.8

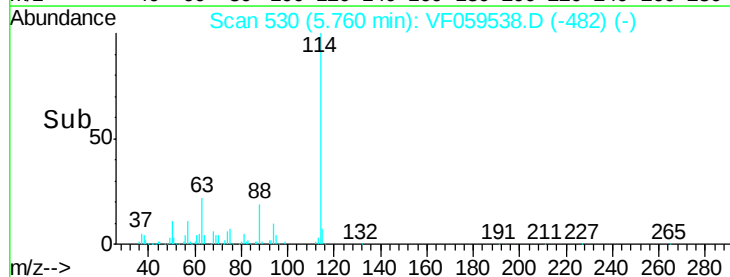
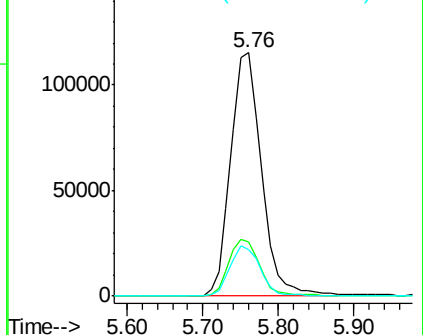
88 19.3 0.0 42.6

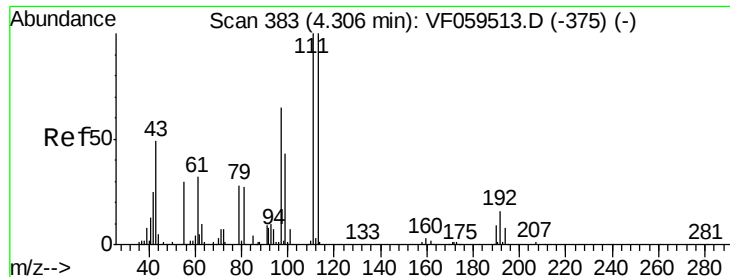


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.74 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059538.D

Acq: 19 Jul 2018 3:12

Instrument :

MSVOA_F

ClientSampled :

SB-1-B

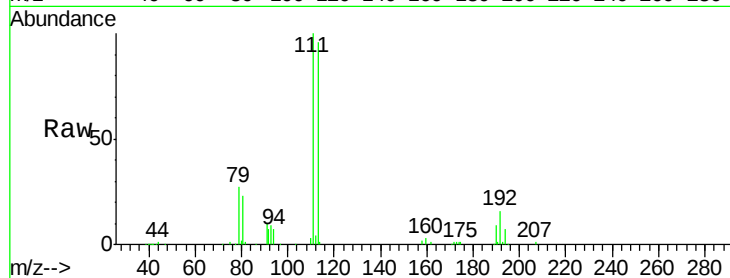
Tot Ion:113 Resp: 146207

Ion Ratio Lower Upper

113 100

111 103.5 80.3 120.5

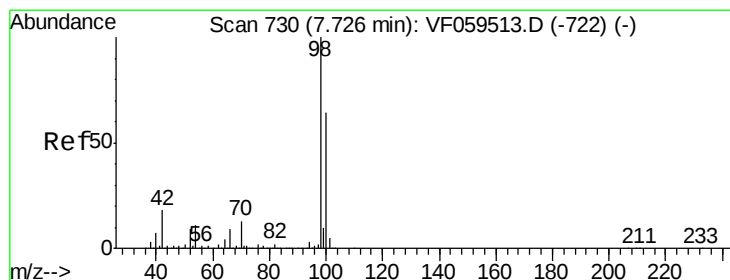
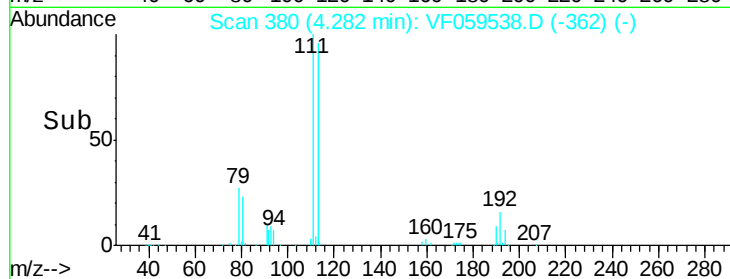
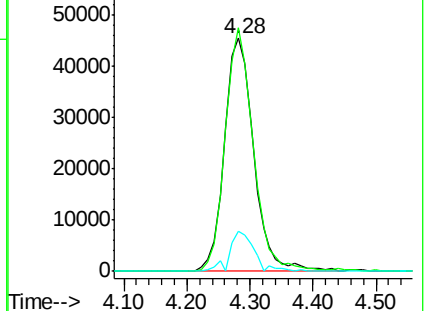
192 17.2 13.1 19.7



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: 43.97 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059538.D

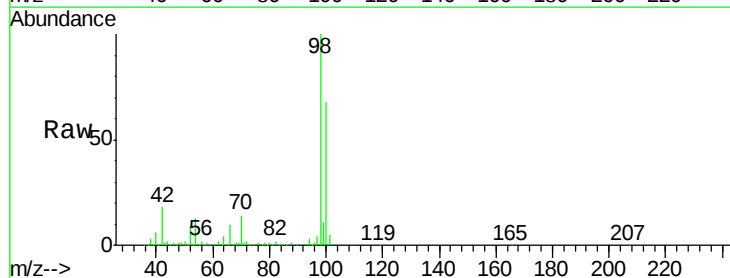
Acq: 19 Jul 2018 3:12

Tgt Ion: 98 Resp: 312937

Ion Ratio Lower Upper

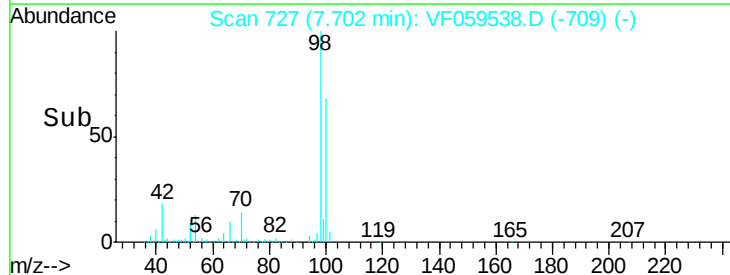
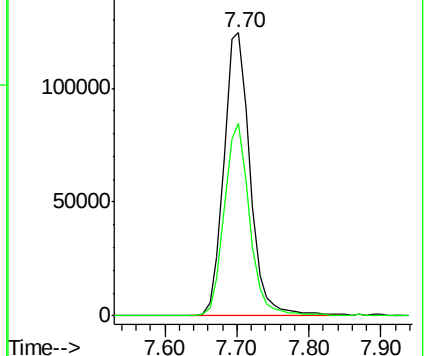
98 100

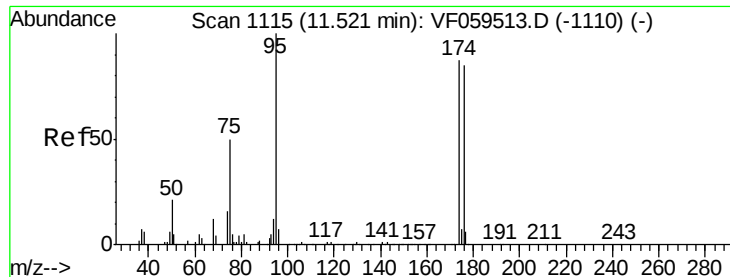
100 68.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

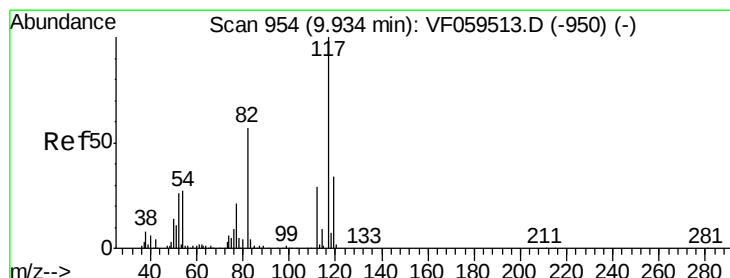
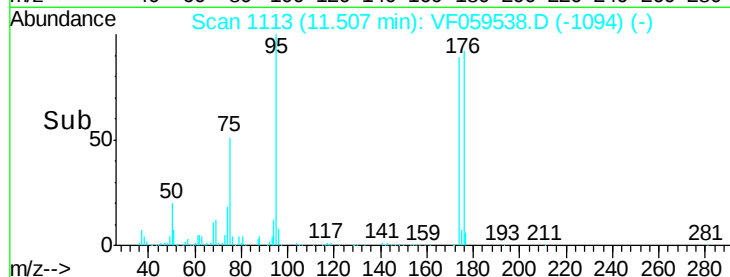
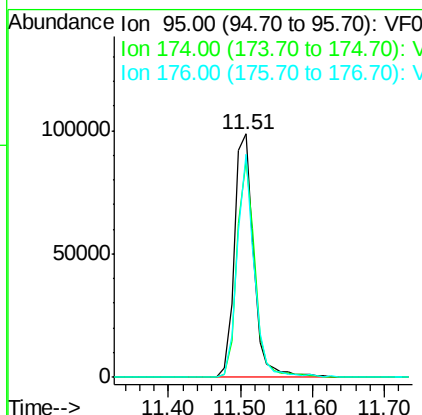
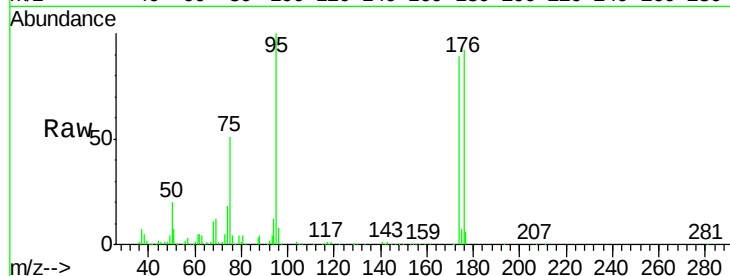




#62
4-Bromofluorobenzene
Concen: 49.63 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

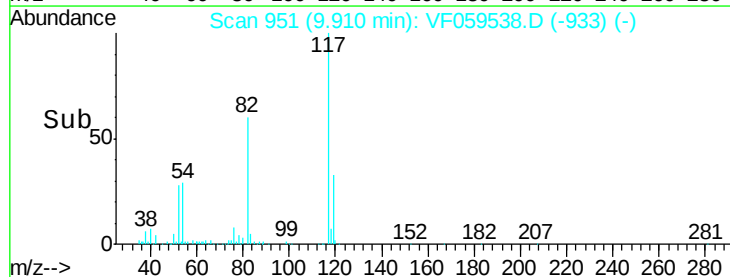
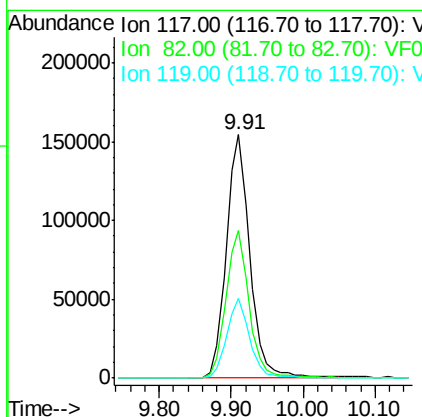
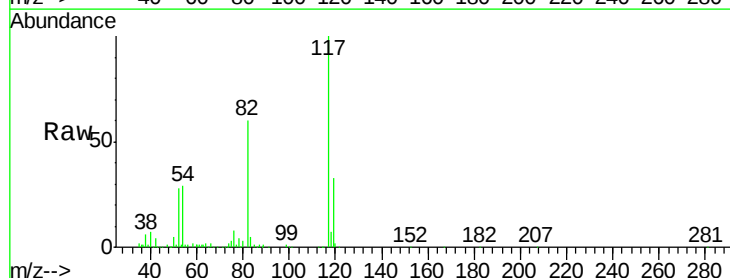
Instrument :
MSVOA_F
ClientSampled :
SB-1-B

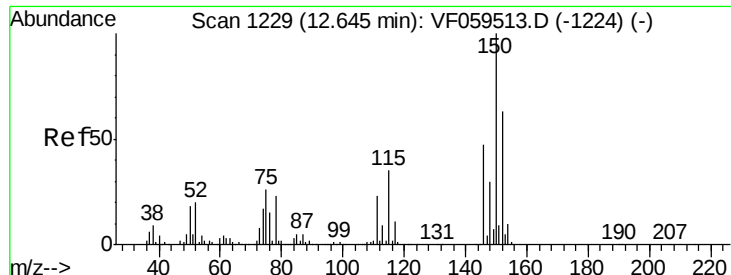
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	174.4
176	91.5	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF059538.D
Acq: 19 Jul 2018 3:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	46.1	69.1
119	32.6	27.2	40.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059538.D
 Acq: 19 Jul 2018 3:12

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-1-B

Tot Ion:152 Resp: 221611
 Ion Ratio Lower Upper
 152 100
 115 58.3 27.8 83.3
 150 152.0 0.0 318.4

