

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059989.D
 Acq On : 17 Aug 2018 23:35
 Operator : VA/AP
 Sample : J4501-04
 Misc : 5.06g/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RA-081318-FL-019

Quant Time: Aug 18 01:49:28 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	116642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	154329	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	157366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	95939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	95482	42.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.82%	
35) Dibromofluoromethane	4.31	113	74345	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
50) Toluene-d8	7.72	98	156481	44.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.22%	
62) 4-Bromofluorobenzene	11.51	95	87618	40.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.42%	

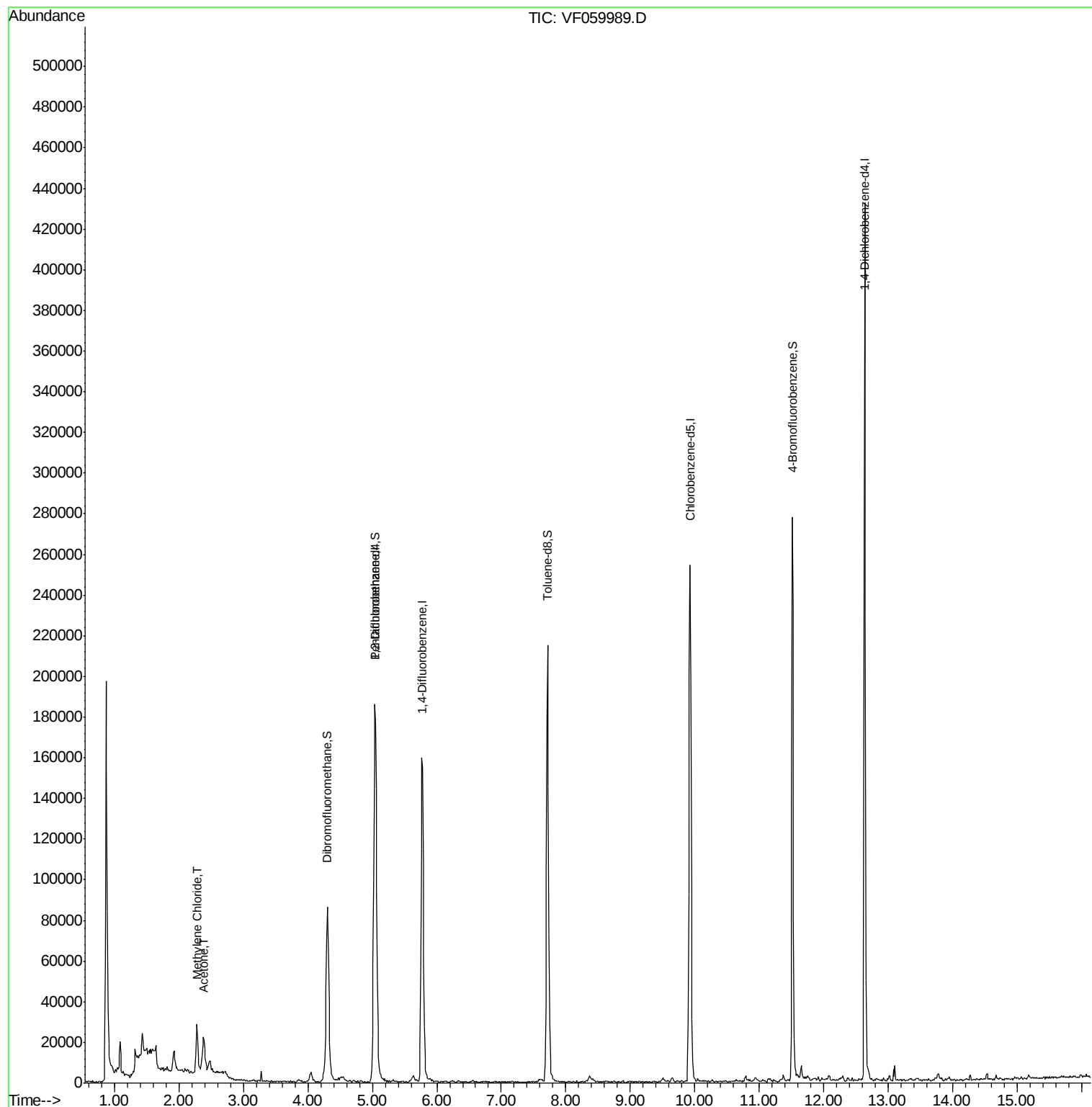
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.38	43	28431	36.06	ug/l	97
20) Methylene Chloride	2.27	84	10487	4.72	ug/l #	85

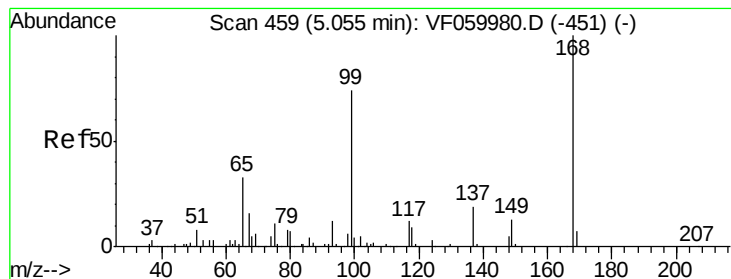
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.01 min

Lab File: VF059989.D

Acq: 17 Aug 2018 23:35

Instrument :

MSVOA_F

ClientSampleId :

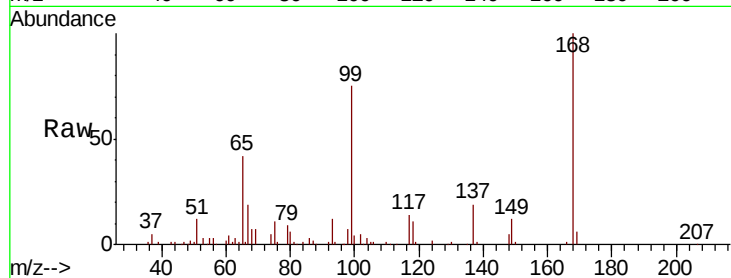
RA-081318-FL-019

Tot Ion:168 Resp: 116642

Ion Ratio Lower Upper

168 100

99 75.2 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

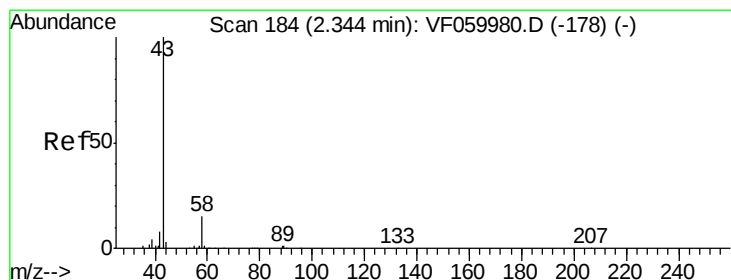
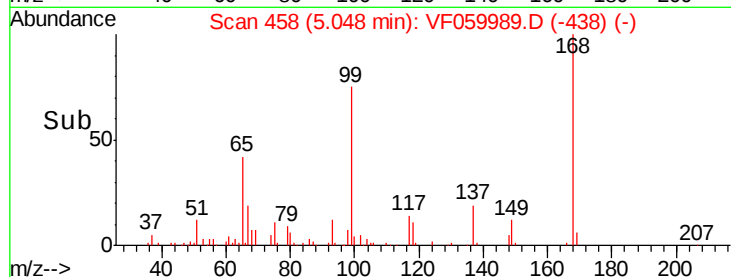
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 36.06 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.03 min

Lab File: VF059989.D

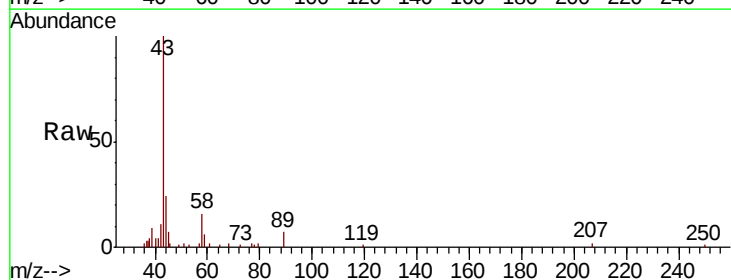
Acq: 17 Aug 2018 23:35

Tgt Ion: 43 Resp: 28431

Ion Ratio Lower Upper

43 100

58 16.1 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

12000

10000

8000

6000

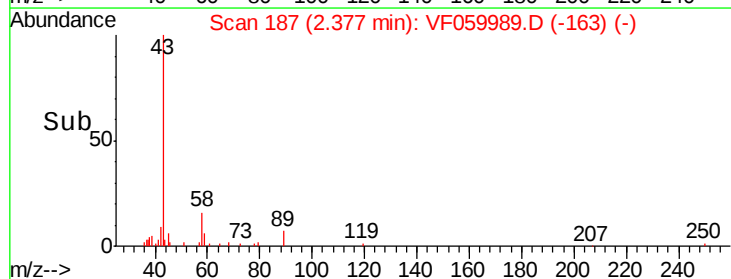
4000

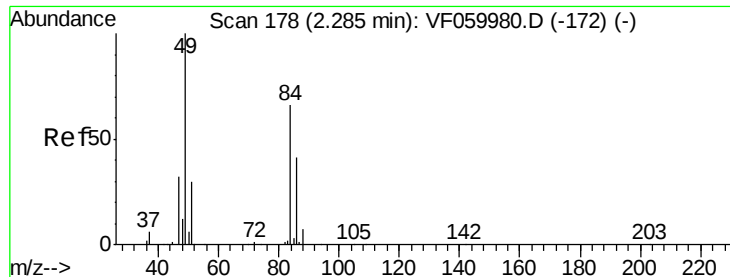
2000

0

Time-->

2.30 2.35 2.40 2.45

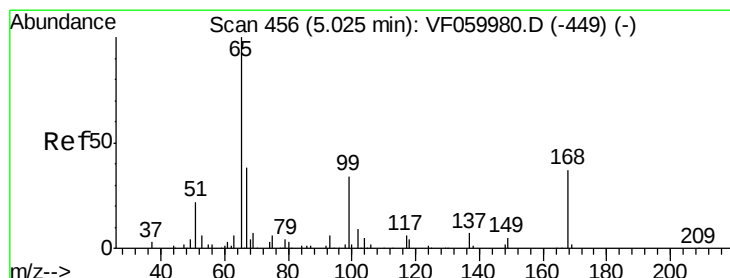
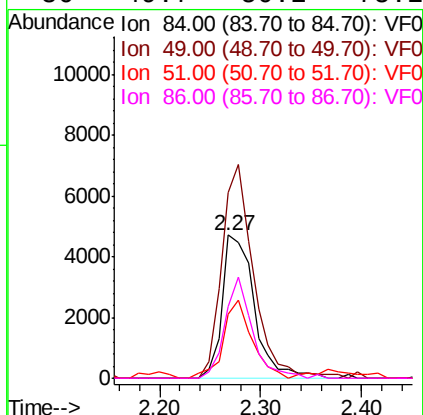
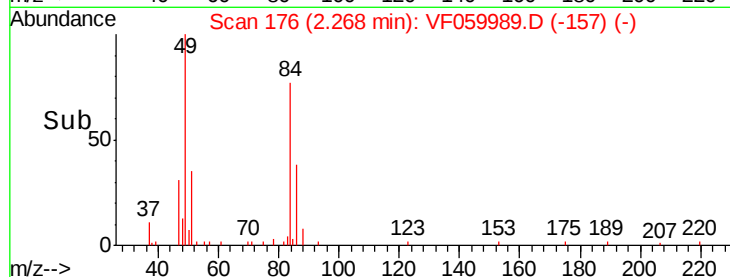
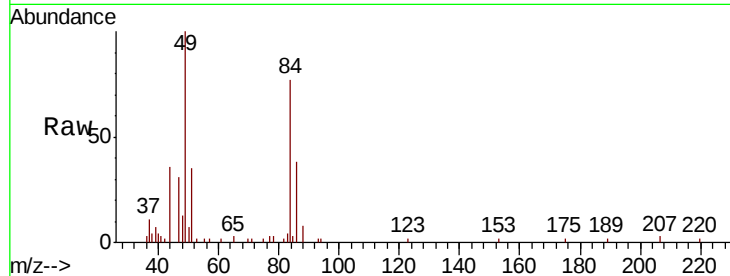




#20
Methvlene Chloride
Concen: 4.72 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.02 min
Lab File: VF059989.D
Acq: 17 Aug 2018 23:35

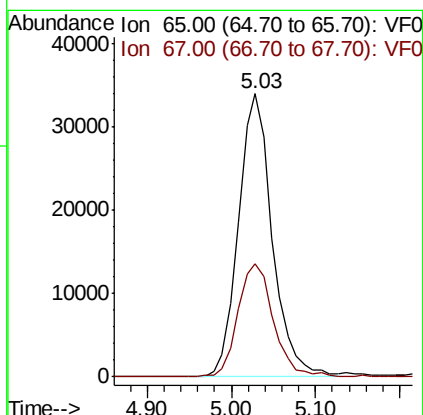
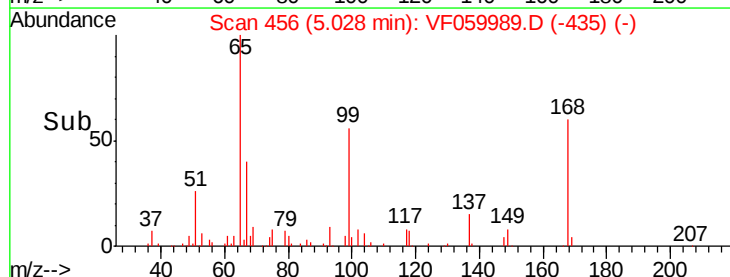
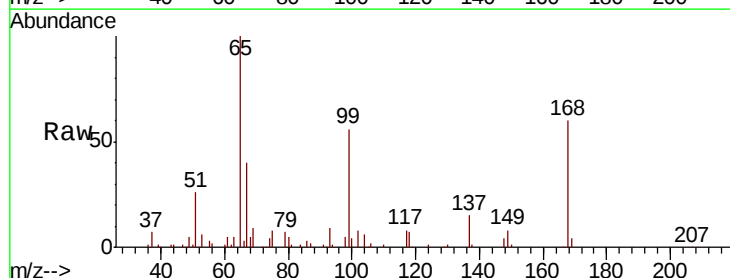
Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-019

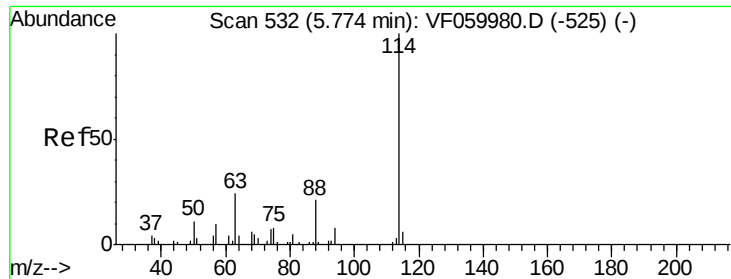
Tot Ion: 84 Resp: 10487
Ion Ratio Lower Upper
84 100
49 129.8 122.5 183.7
51 45.0 37.1 55.7
86 49.7 50.2 75.2#



#33
1,2-Dichloroethane-d4
Concen: 42.41 ug/l
RT: 5.03 min Scan# 456
Delta R.T. 0.00 min
Lab File: VF059989.D
Acq: 17 Aug 2018 23:35

Tgt Ion: 65 Resp: 95482
Ion Ratio Lower Upper
65 100
67 40.0 0.0 82.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059989.D

Acq: 17 Aug 2018 23:35

Instrument :

MSVOA_F

ClientSampleId :

RA-081318-FL-019

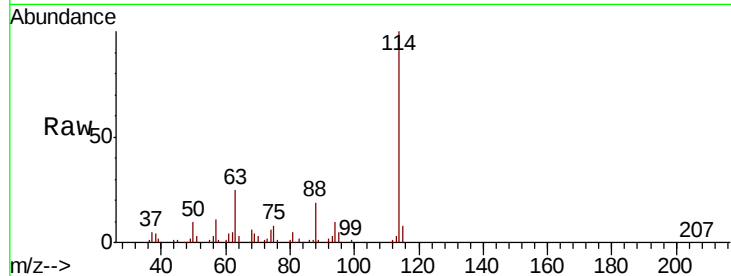
Tot Ion:114 Resp: 154329

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.6

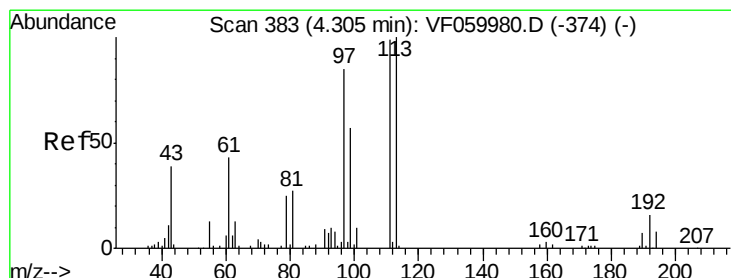
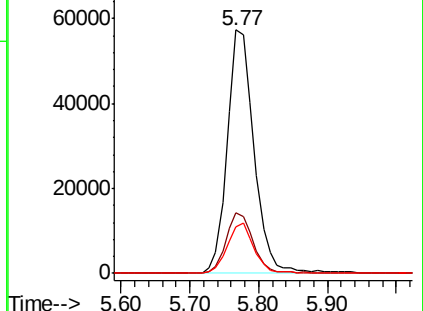
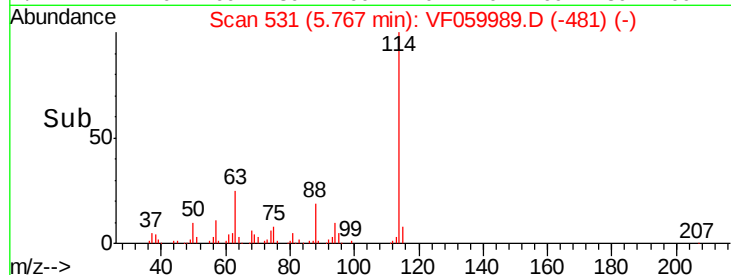
88 19.3 0.0 42.8



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: 47.14 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059989.D

Acq: 17 Aug 2018 23:35

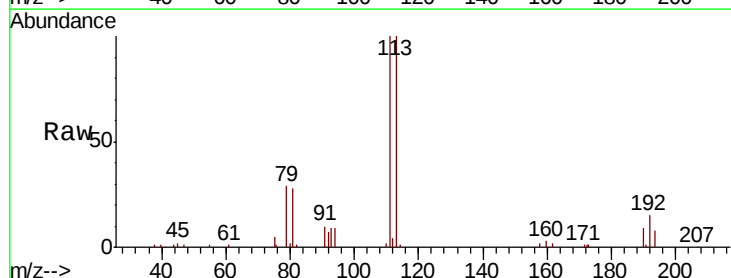
Tgt Ion:113 Resp: 74345

Ion Ratio Lower Upper

113 100

111 99.6 79.5 119.3

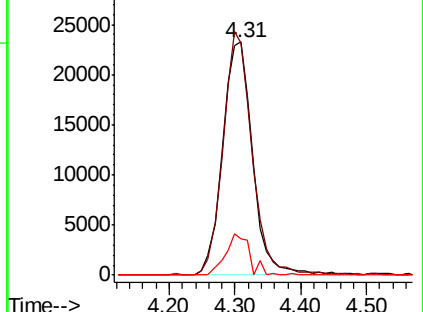
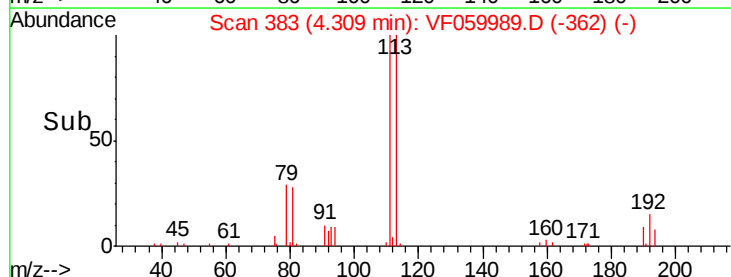
192 15.5 12.4 18.6

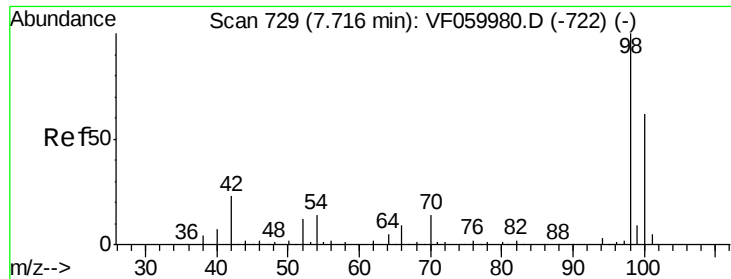


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

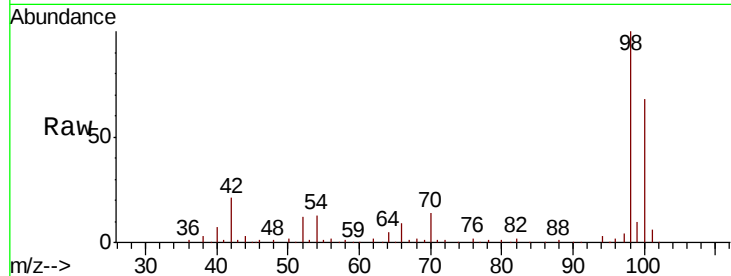




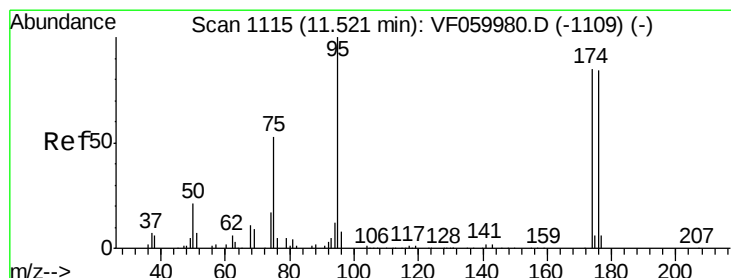
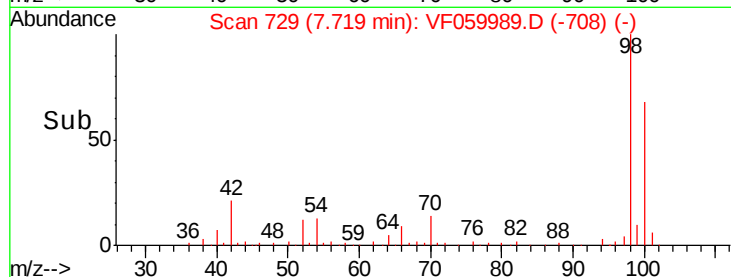
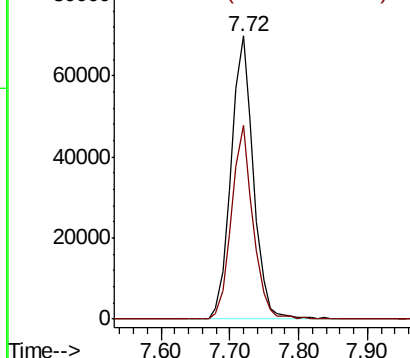
#50
Toluene-d8
Concen: 44.61 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059989.D
Acq: 17 Aug 2018 23:35

Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-019

Tot Ion: 98 Resp: 156481
Ion Ratio Lower Upper
98 100
100 68.3 49.8 74.8

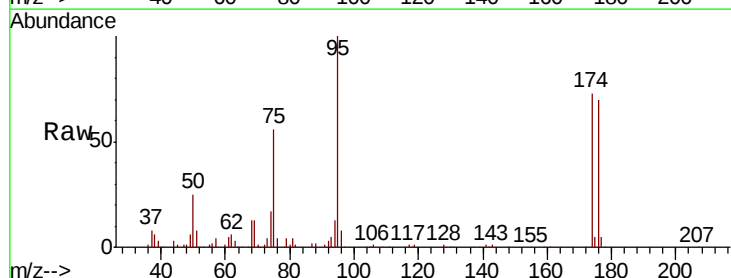


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF

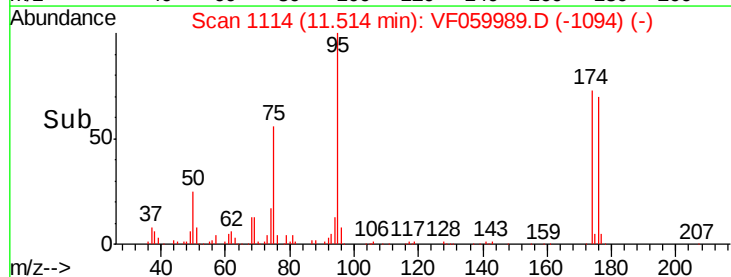
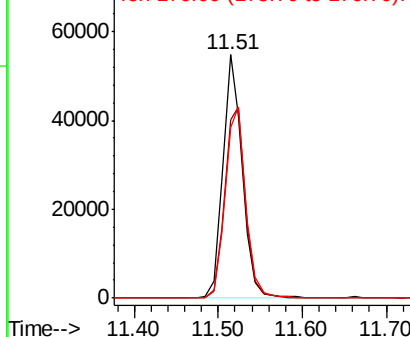


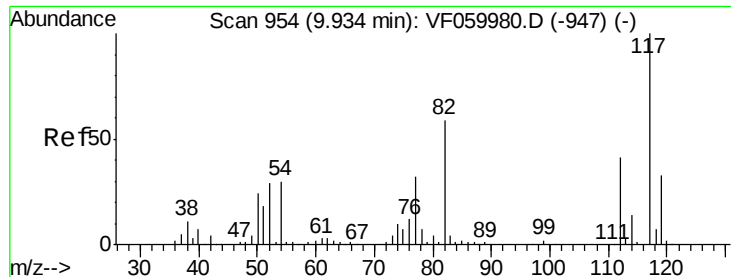
#62
4-Bromofluorobenzene
Concen: 40.71 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059989.D
Acq: 17 Aug 2018 23:35

Tgt Ion: 95 Resp: 87618
Ion Ratio Lower Upper
95 100
174 73.4 0.0 169.8
176 69.9 0.0 167.8



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

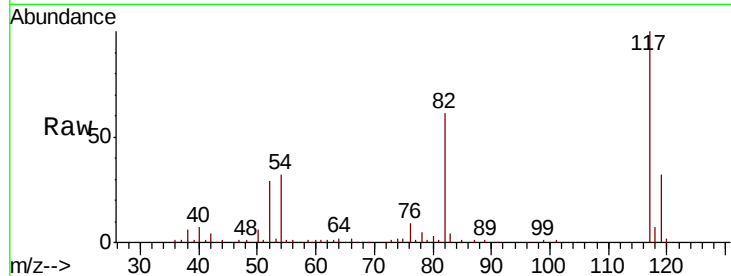




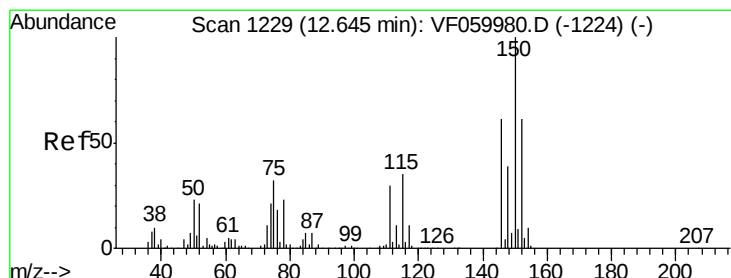
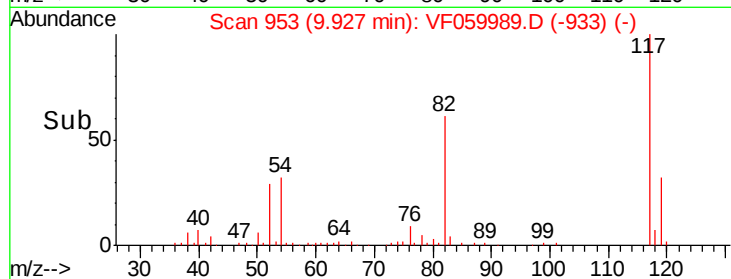
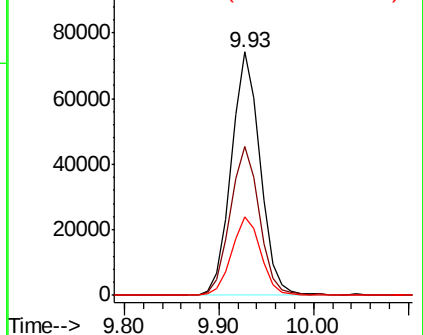
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059989.D
Acq: 17 Aug 2018 23:35

Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-019

Tot Ion:117 Resp: 157366
Ion Ratio Lower Upper
117 100
82 61.4 47.2 70.8
119 32.3 26.1 39.1

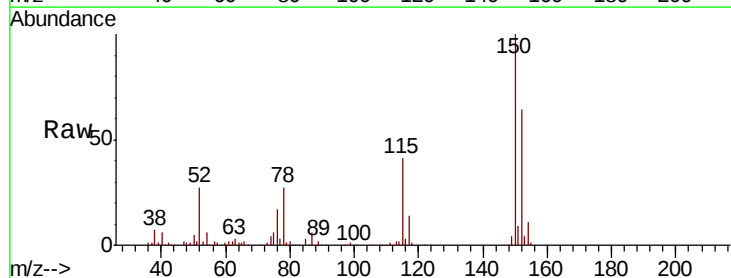


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059989.D
Acq: 17 Aug 2018 23:35

Tgt Ion:152 Resp: 95939
Ion Ratio Lower Upper
152 100
115 63.7 29.1 87.3
150 156.7 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

