

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059907.D
 Acq On : 7 Aug 2018 7:09
 Operator : VA/AP
 Sample : VF0807SBL01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBL01

Quant Time: Aug 07 09:05:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	181034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	254962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	257521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	172216	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	180392	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
35) Dibromofluoromethane	4.30	113	147731	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	7.72	98	281183	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.52	95	160375	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	

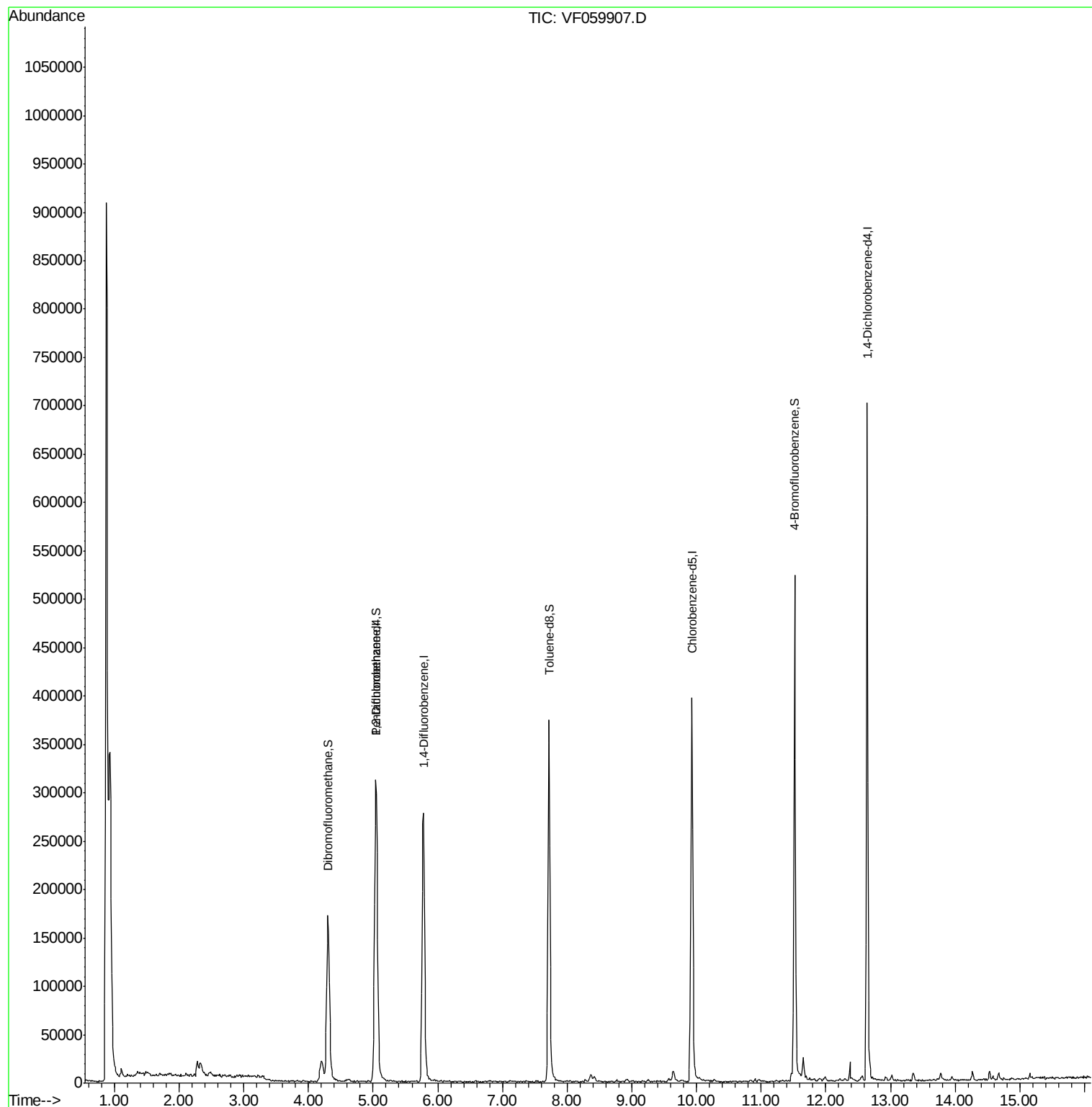
Target Compounds	Qvalue

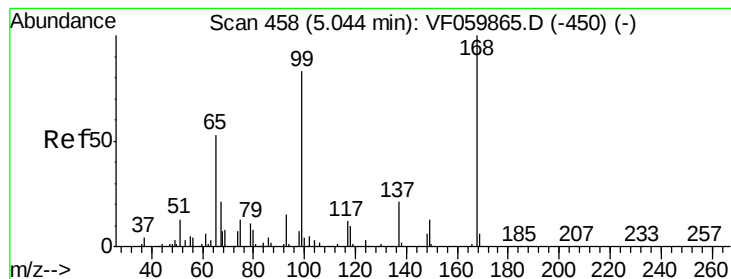
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059907.D

Acq: 7 Aug 2018 7:09

Instrument :

MSVOA_F

ClientSampleId :

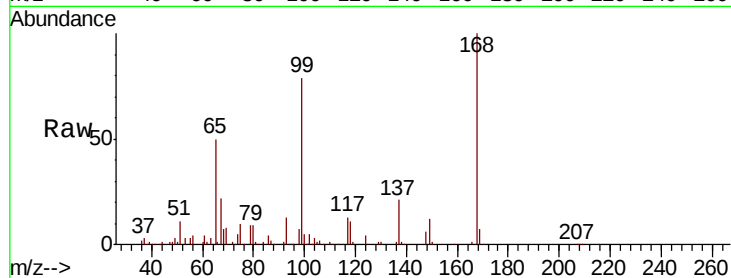
VF0807SBL01

Tot Ion:168 Resp: 181034

Ion Ratio Lower Upper

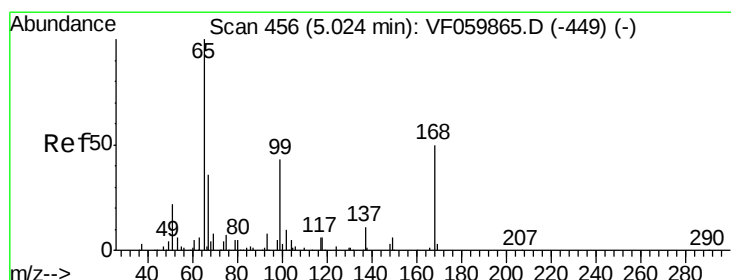
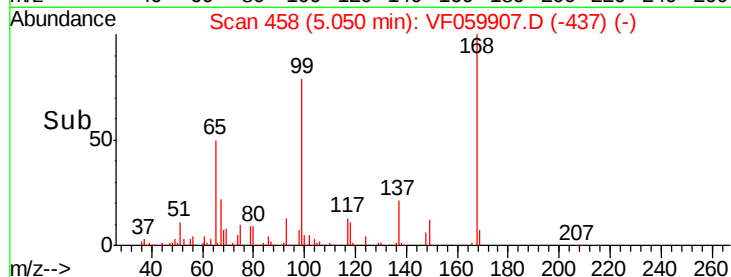
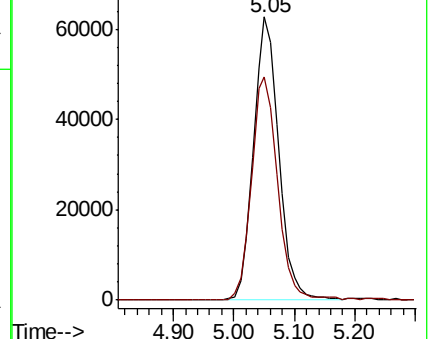
168 100

99 79.0 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 55.27 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059907.D

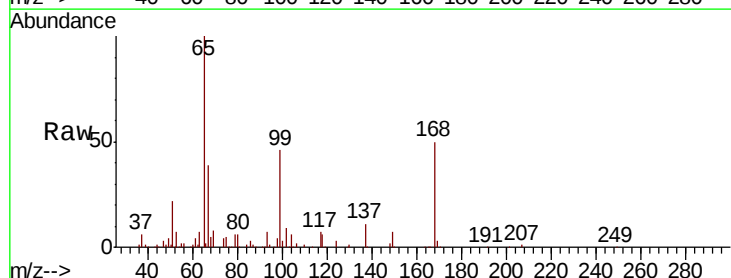
Acq: 7 Aug 2018 7:09

Tgt Ion: 65 Resp: 180392

Ion Ratio Lower Upper

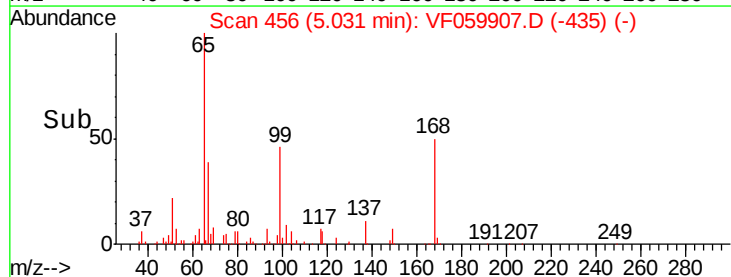
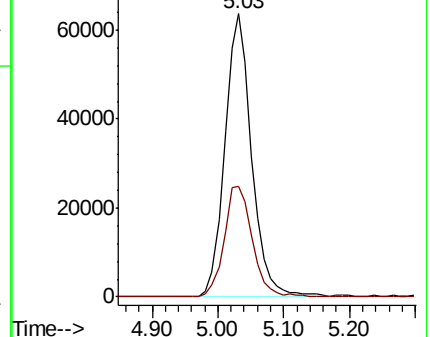
65 100

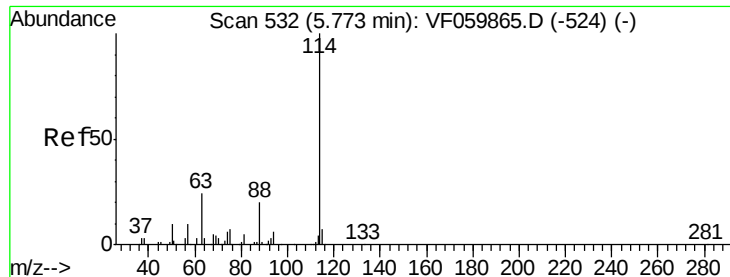
67 39.3 0.0 77.2



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: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059907.D

Acq: 7 Aug 2018 7:09

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBL01

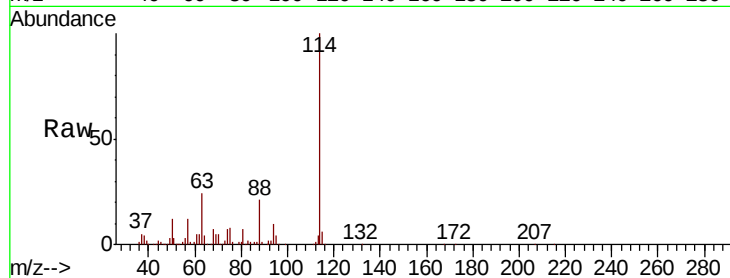
Tot Ion:114 Resp: 254962

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.0

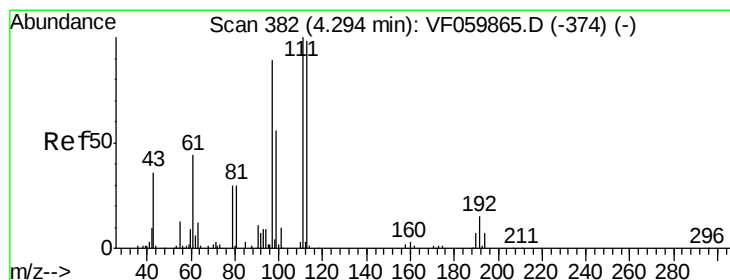
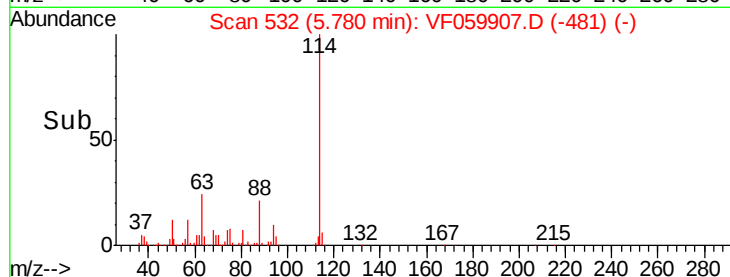
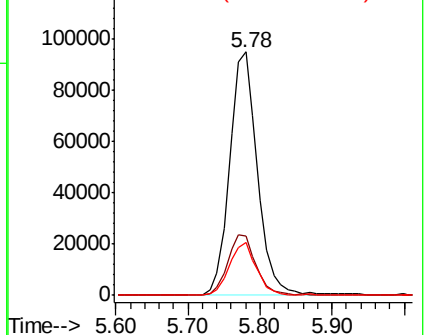
88 21.5 0.0 39.4



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: 58.24 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059907.D

Acq: 7 Aug 2018 7:09

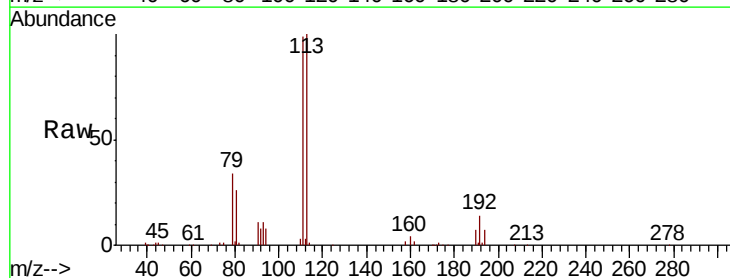
Tgt Ion:113 Resp: 147731

Ion Ratio Lower Upper

113 100

111 99.5 81.8 122.8

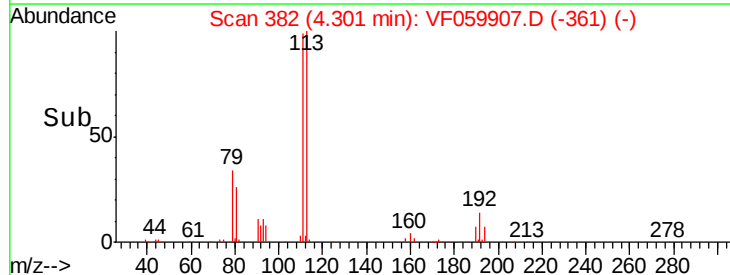
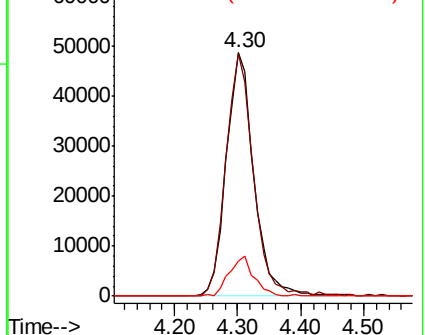
192 14.3 12.4 18.6

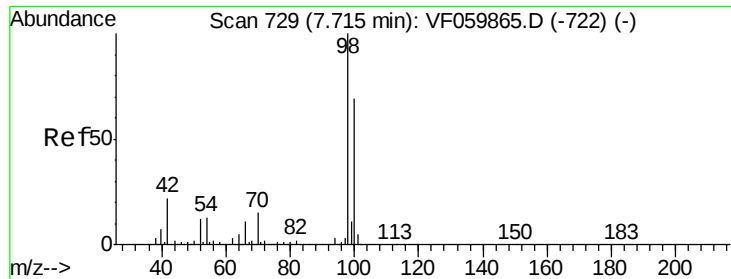


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 52.10 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059907.D

Acq: 7 Aug 2018 7:09

Instrument :

MSVOA_F

ClientSampleId :

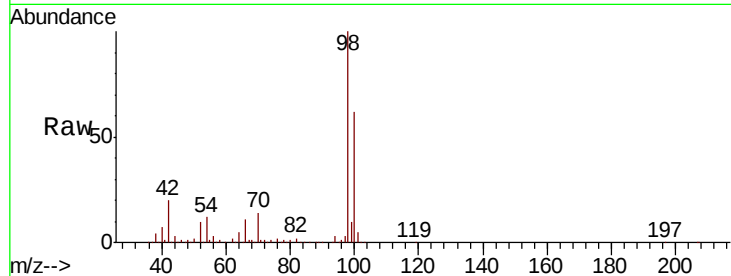
VF0807SBL01

Tot Ion: 98 Resp: 281183

Ion Ratio Lower Upper

98 100

100 61.8 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.72

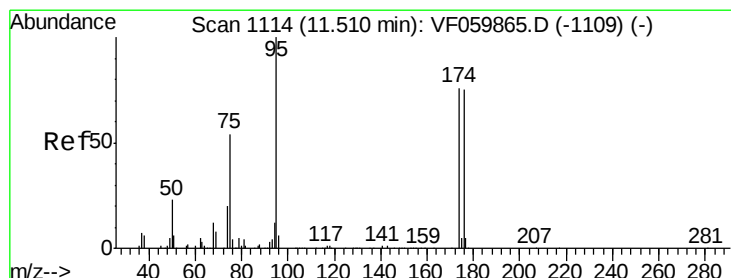
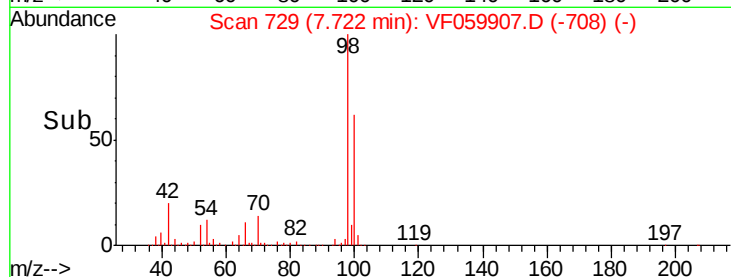
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.88 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059907.D

Acq: 7 Aug 2018 7:09

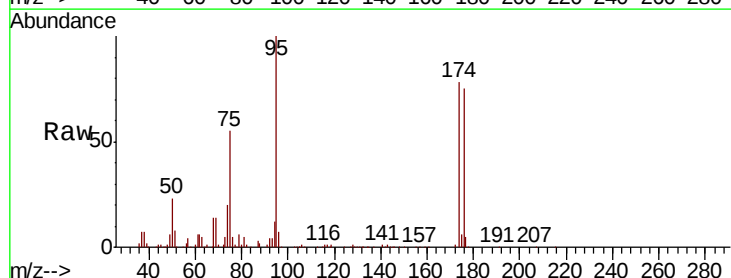
Tgt Ion: 95 Resp: 160375

Ion Ratio Lower Upper

95 100

174 78.0 0.0 151.6

176 75.0 0.0 149.8



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

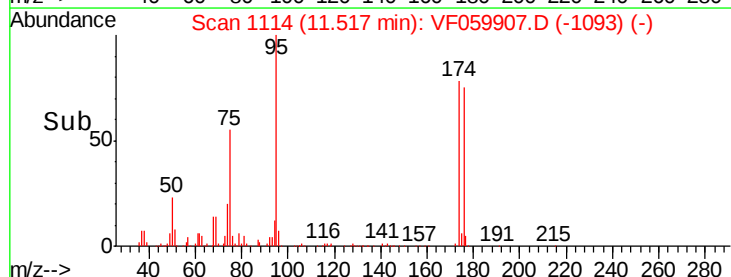
11.52

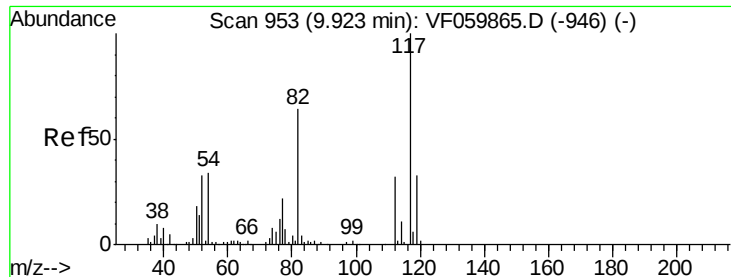
100000

50000

0

Time-->

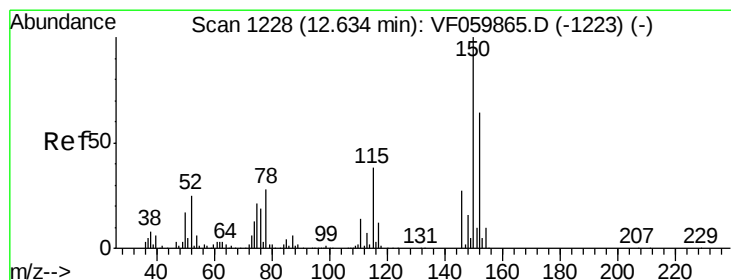
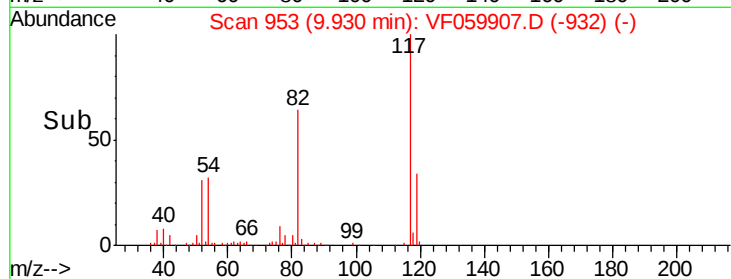
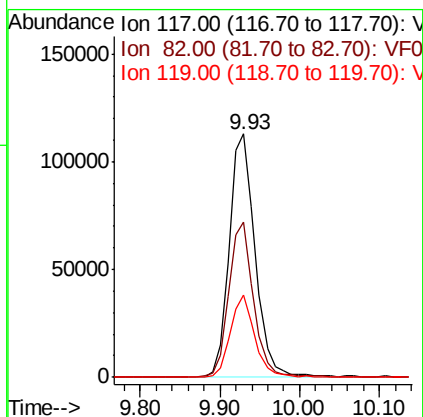
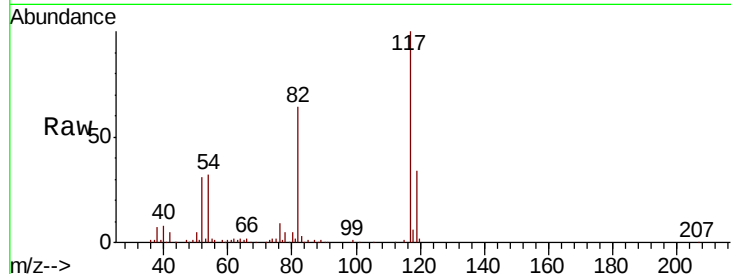




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.3	76.9
119	33.8	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.8	89.4
150	157.8	0.0	315.6

