

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111218\
 Data File : VF060694.D
 Acq On : 12 Nov 2018 20:00
 Operator : VA/AP
 Sample : J5892-01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PN-STONE

Quant Time: Nov 13 04:44:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	210156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	364101	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	328196	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	199459	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	110183	51.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	4.11	113	133810	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	7.55	98	315814	37.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	75.80%	
62) 4-Bromofluorobenzene	11.40	95	161987	44.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.88%	

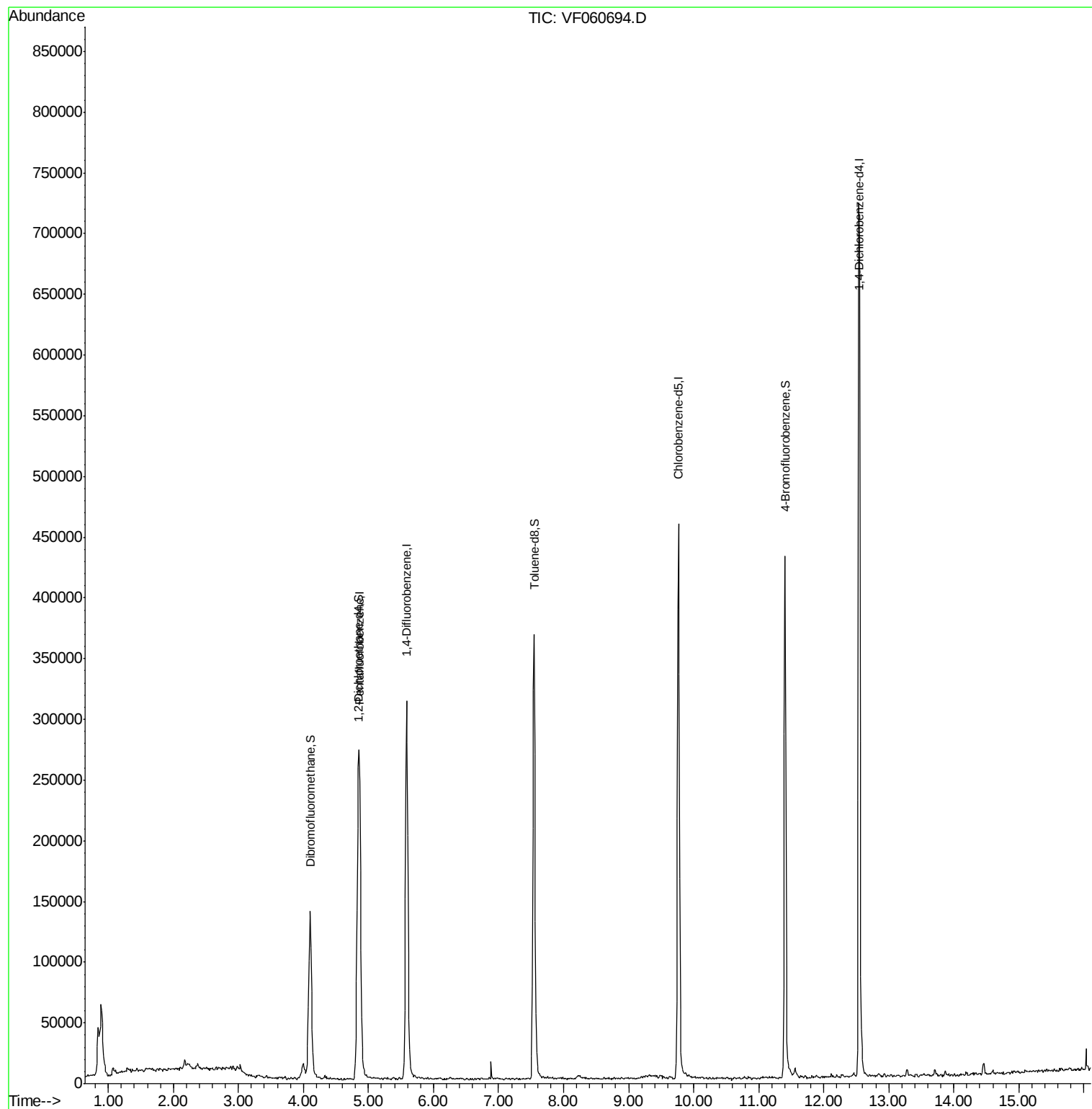
Target Compounds	Qvalue

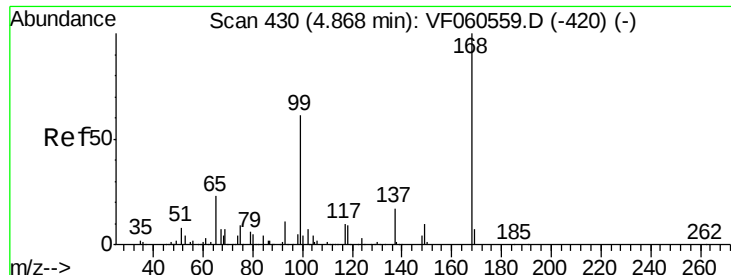
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF060694.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

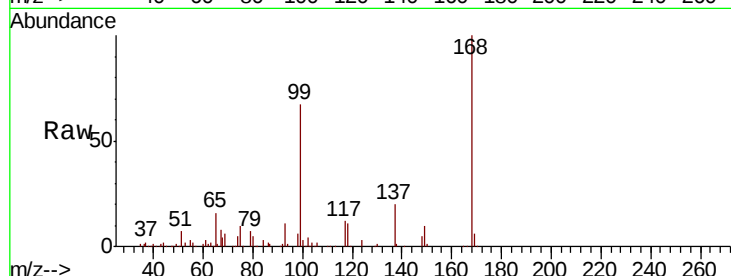
PN-STONE

Tot Ion:168 Resp: 210156

Ion Ratio Lower Upper

168 100

99 66.7 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

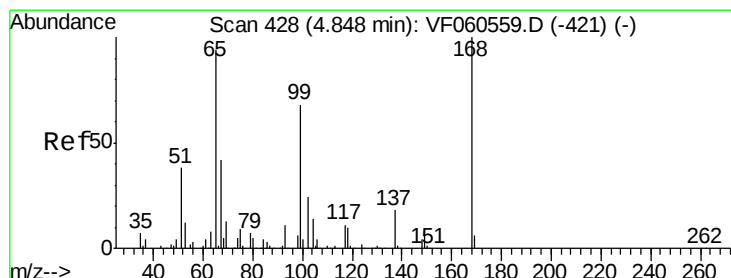
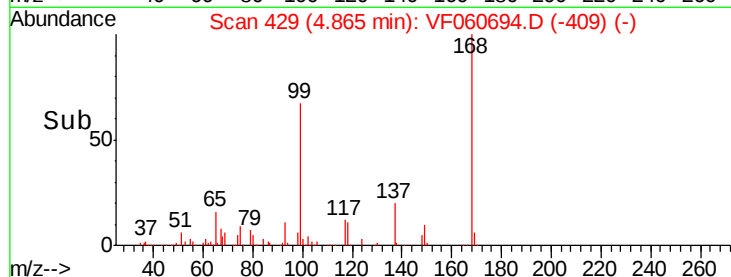
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.891 ug/l

RT: 4.84 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF060694.D

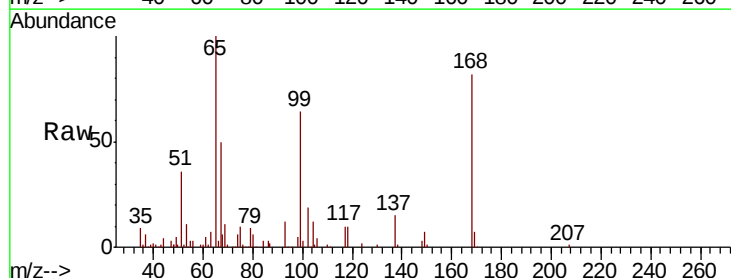
Acq: 12 Nov 2018 20:00

Tgt Ion: 65 Resp: 110183

Ion Ratio Lower Upper

65 100

67 49.6 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

40000

30000

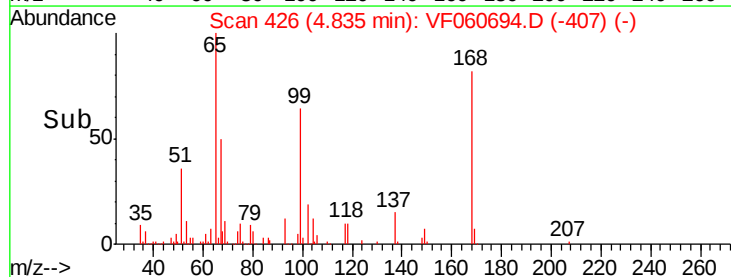
20000

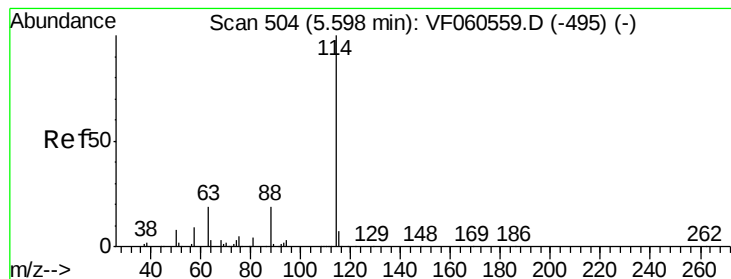
10000

0

4.70 4.80 4.90 5.00

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF060694.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

PN-STONE

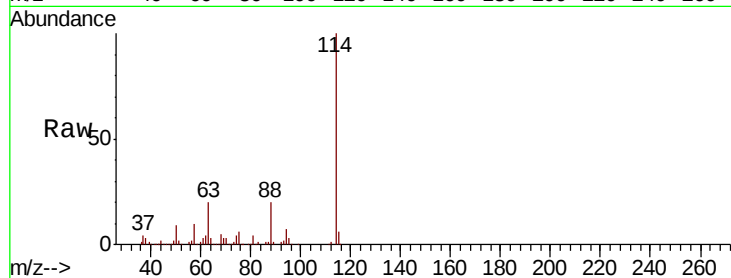
Tot Ion:114 Resp: 364101

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

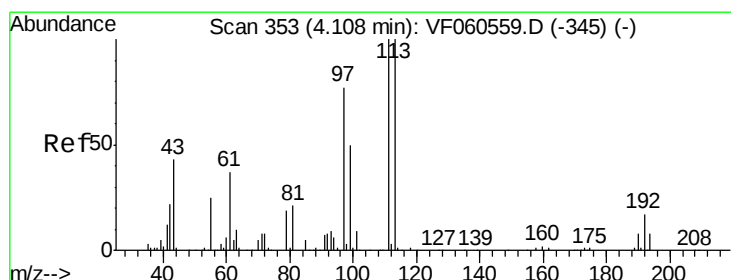
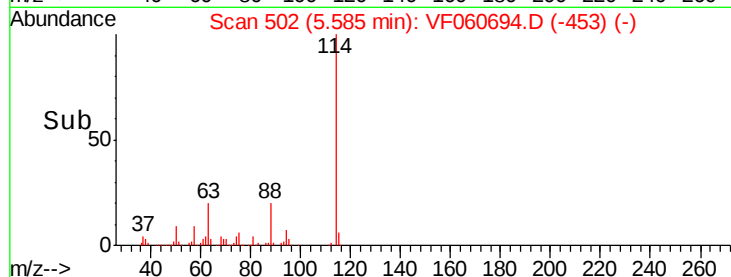
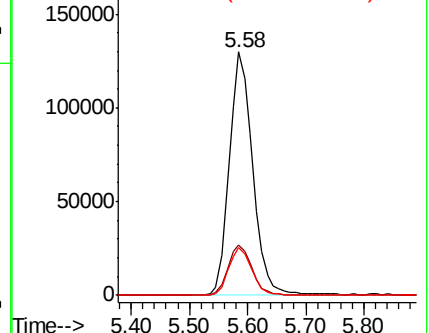
88 19.5 0.0 38.2



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: 47.568 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF060694.D

Acq: 12 Nov 2018 20:00

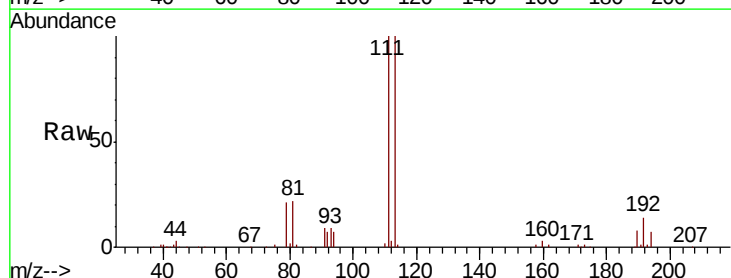
Tgt Ion:113 Resp: 133810

Ion Ratio Lower Upper

113 100

111 100.3 79.9 119.9

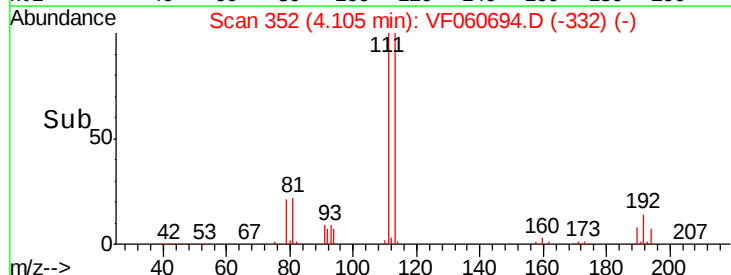
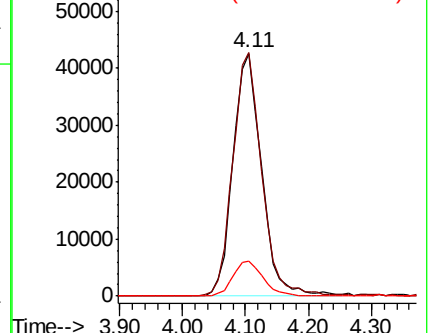
192 14.2 13.3 19.9

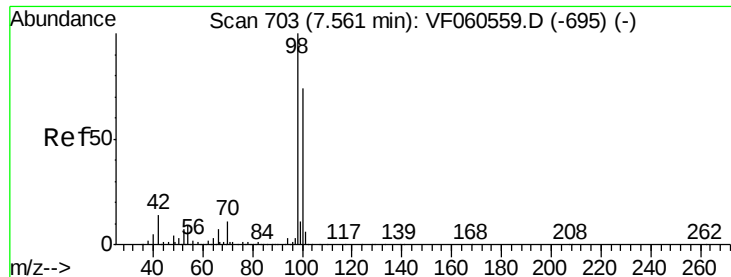


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.899 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF060694.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

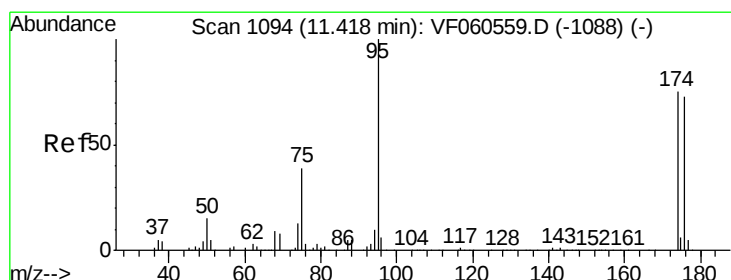
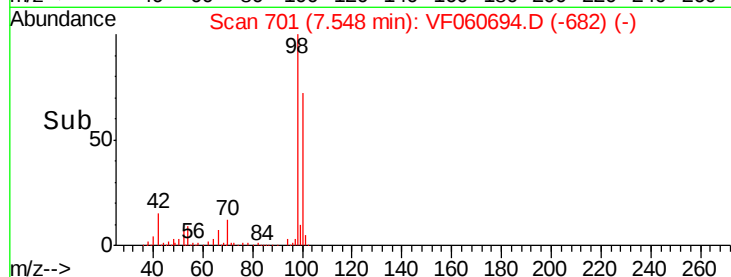
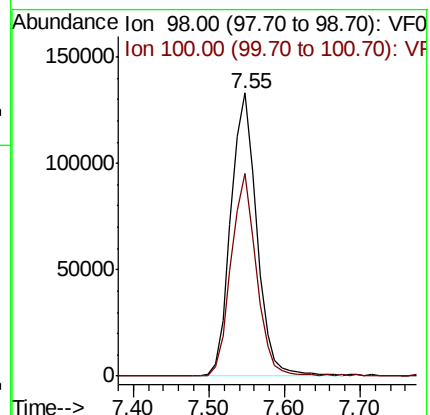
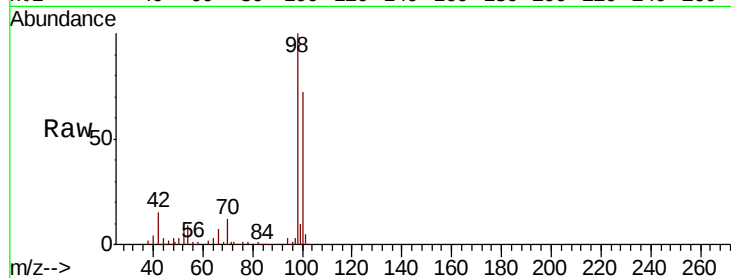
PN-STONE

Tot Ion: 98 Resp: 315814

Ion Ratio Lower Upper

98 100

100 71.7 59.4 89.2



#62

4-Bromofluorobenzene

Concen: 44.441 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF060694.D

Acq: 12 Nov 2018 20:00

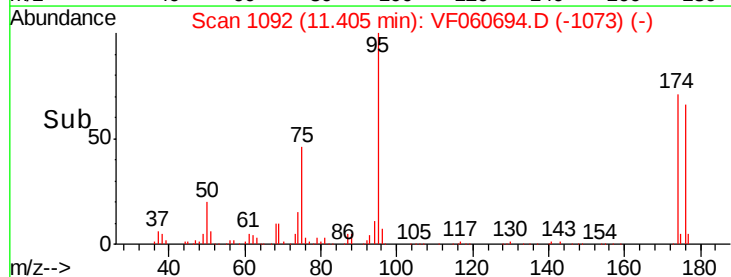
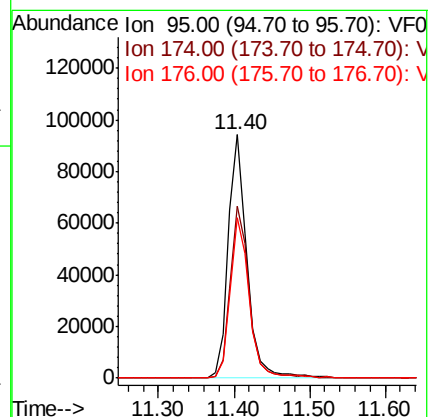
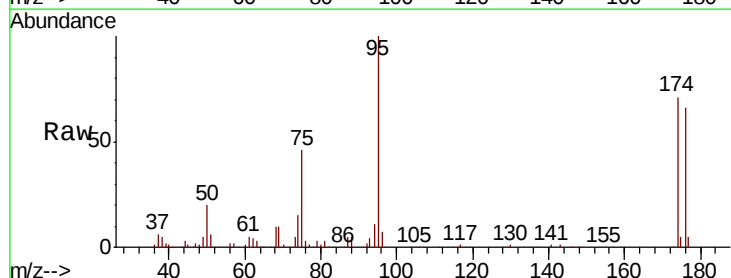
Tgt Ion: 95 Resp: 161987

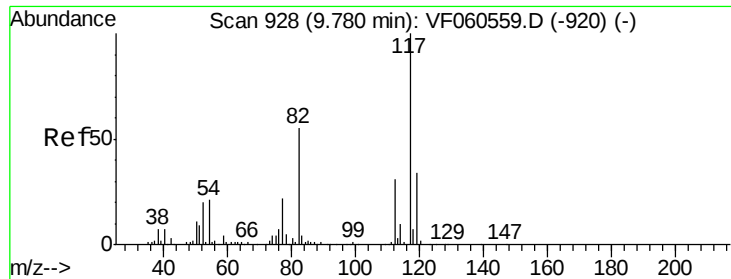
Ion Ratio Lower Upper

95 100

174 70.8 0.0 149.0

176 66.0 0.0 145.6

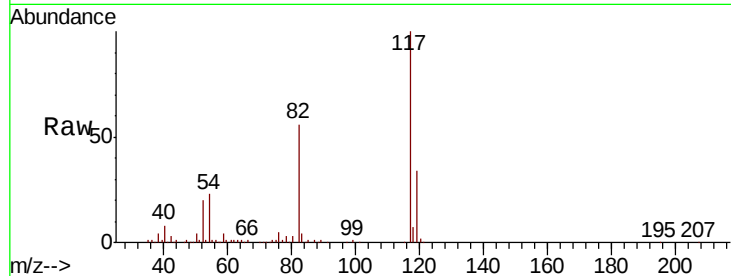




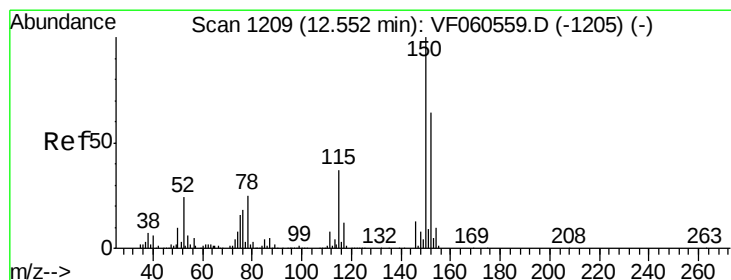
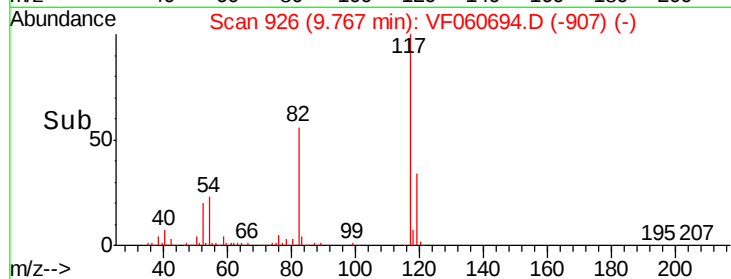
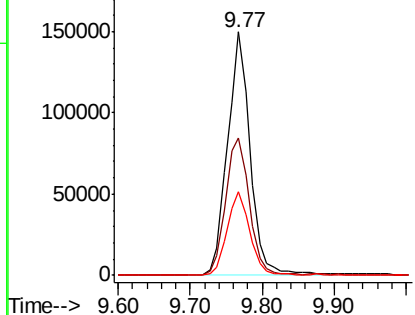
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.9	65.9
119	34.4	27.4	41.0

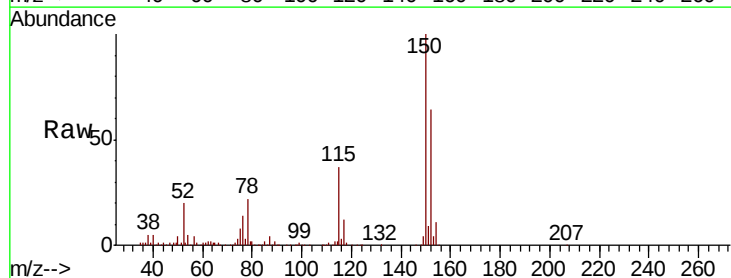


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.6	88.8
150	155.4	0.0	315.6



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

