

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060926.D
 Acq On : 6 Dec 2018 19:32
 Operator : VA/AP
 Sample : J6214-19
 Misc : 4.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-9-(0-2)

Quant Time: Dec 07 00:35:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

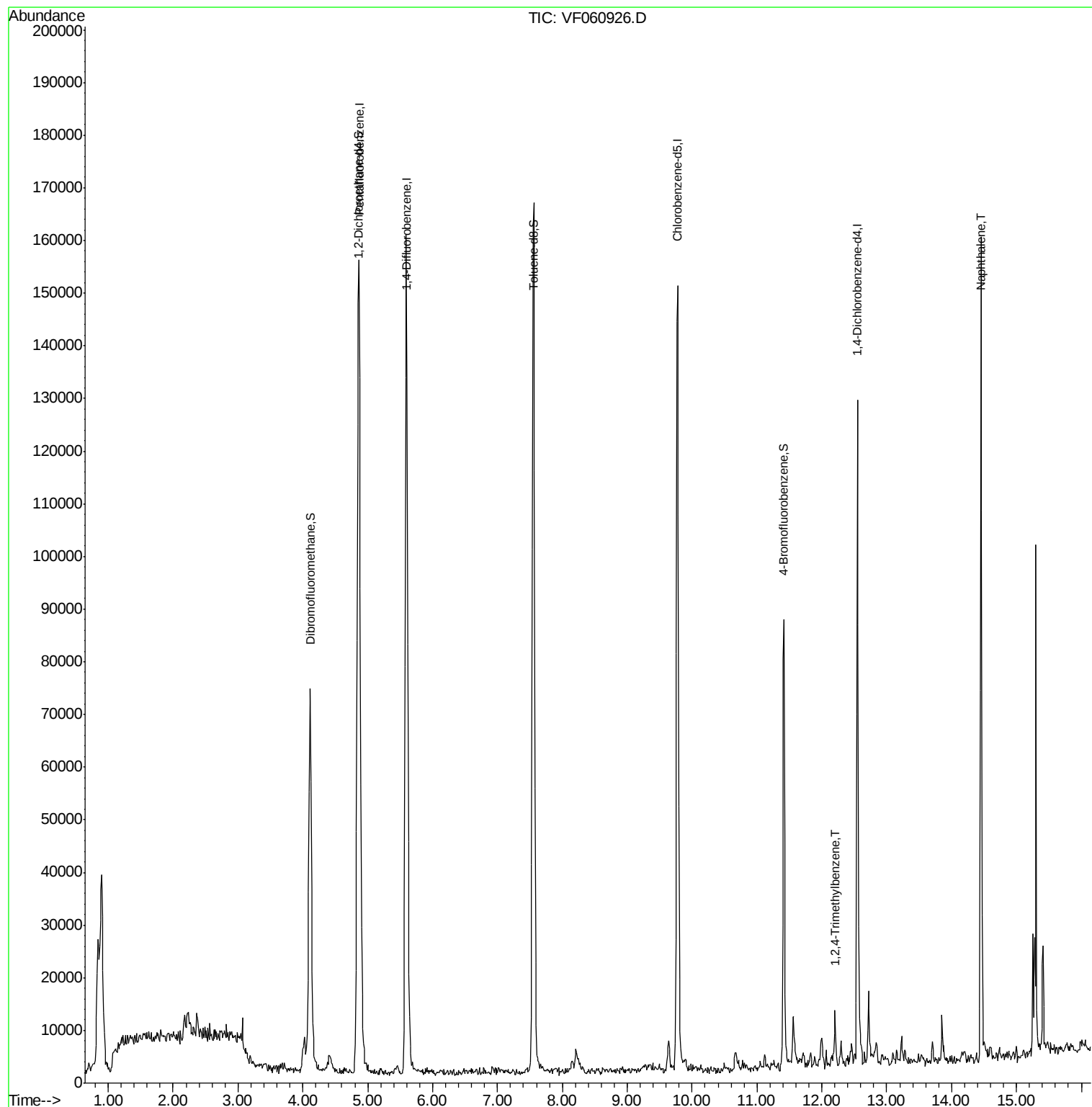
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	119920	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	167706	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	110370	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	30043	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	57601	40.77	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	81.54%	
35) Dibromofluoromethane	4.12	113	69020	51.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.76%	
50) Toluene-d8	7.55	98	143720	36.67	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	73.34%	
62) 4-Bromofluorobenzene	11.41	95	34741	19.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	39.00%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	12.20	105	3177	1.652	ug/l	86
95) Naphthalene	14.45	128	106333	86.154	ug/l	99

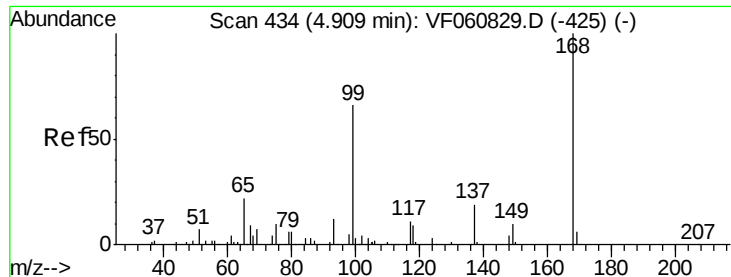
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 429

Delta R.T. -0.04 min

Lab File: VF060926.D

Acq: 6 Dec 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

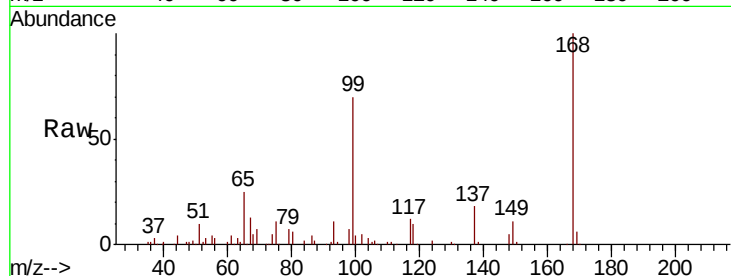
SB-9-(0-2)

Tot Ion:168 Resp: 119920

Ion Ratio Lower Upper

168 100

99 70.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

40000

30000

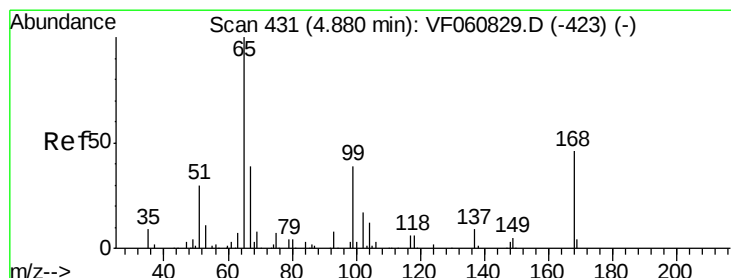
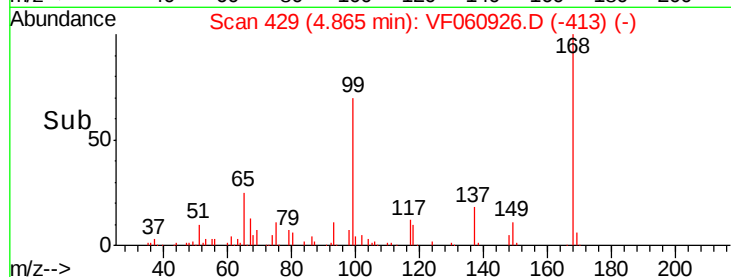
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 40.774 ug/l

RT: 4.85 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF060926.D

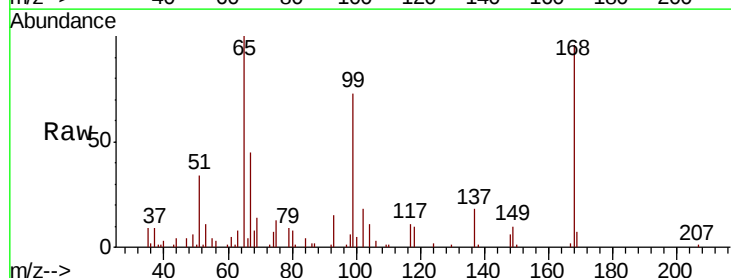
Acq: 6 Dec 2018 19:32

Tgt Ion: 65 Resp: 57601

Ion Ratio Lower Upper

65 100

67 45.4 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

20000

15000

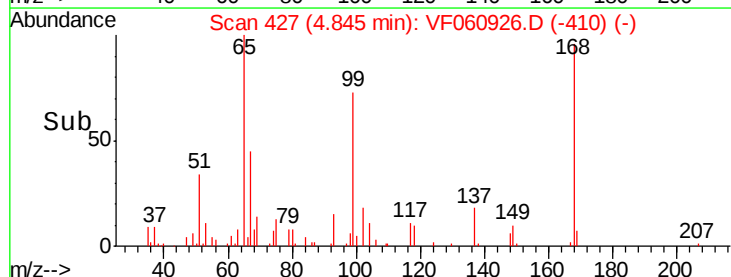
10000

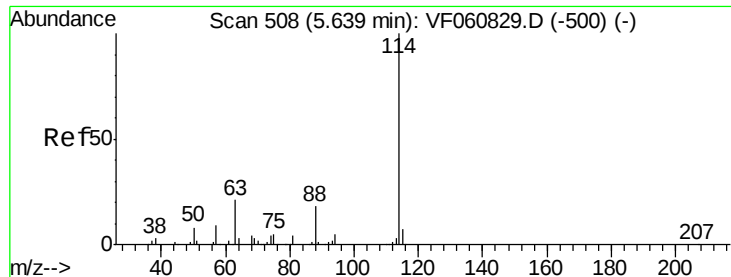
5000

0

Time-->

4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.04 min

Lab File: VF060926.D

Acq: 6 Dec 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

SB-9-(0-2)

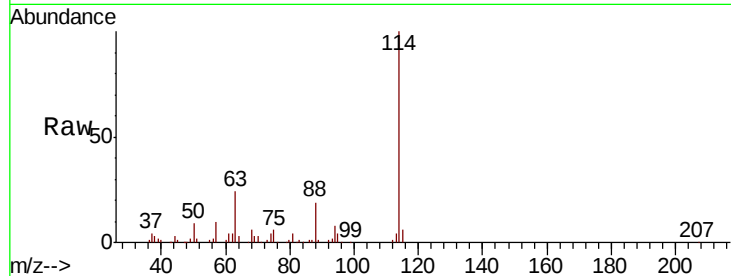
Tot Ion:114 Resp: 167706

Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.6

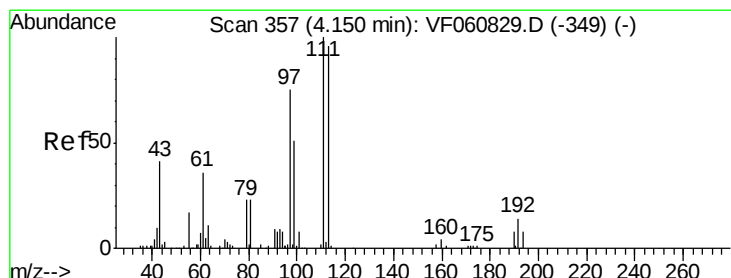
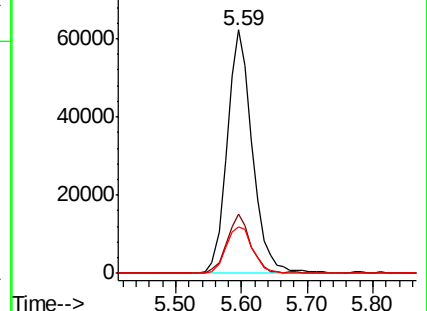
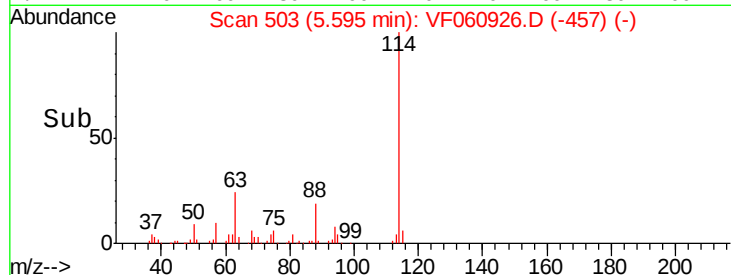
88 19.4 0.0 36.6



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: 51.877 ug/l

RT: 4.12 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF060926.D

Acq: 6 Dec 2018 19:32

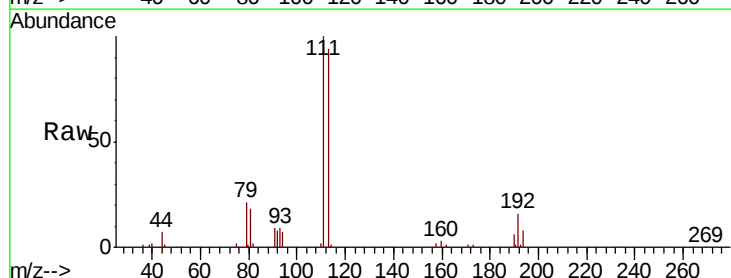
Tgt Ion:113 Resp: 69020

Ion Ratio Lower Upper

113 100

111 106.1 83.0 124.6

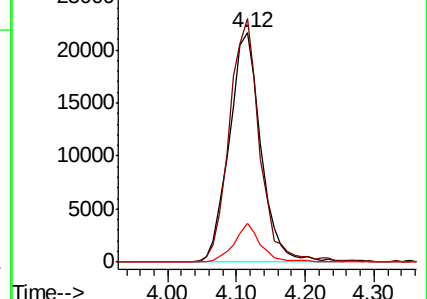
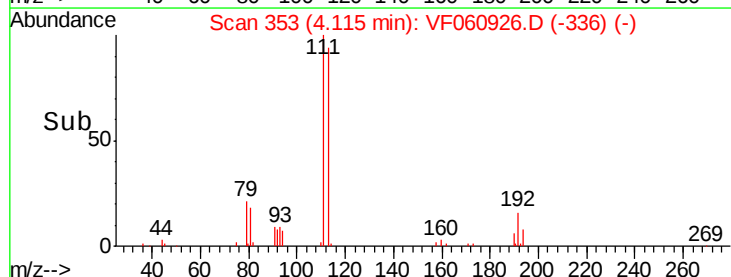
192 16.7 12.3 18.5

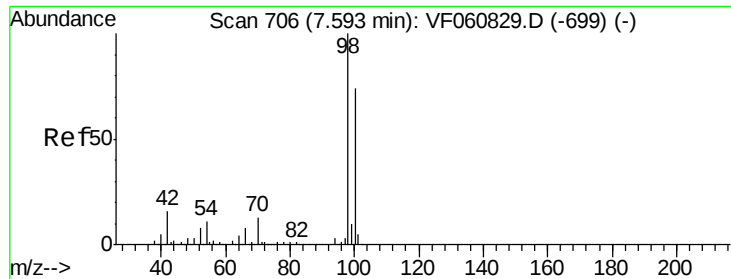


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 36.671 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.04 min

Lab File: VF060926.D

Acq: 6 Dec 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

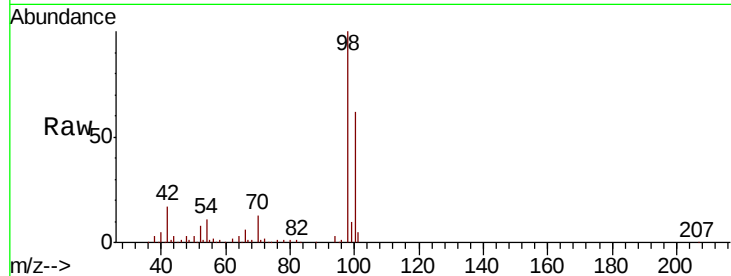
SB-9-(0-2)

Tot Ion: 98 Resp: 143720

Ion Ratio Lower Upper

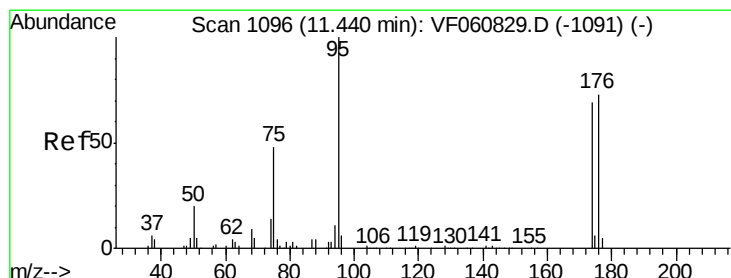
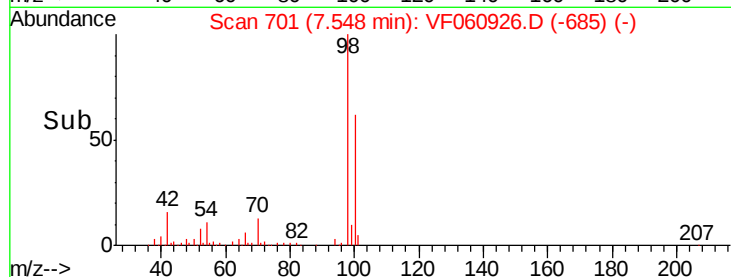
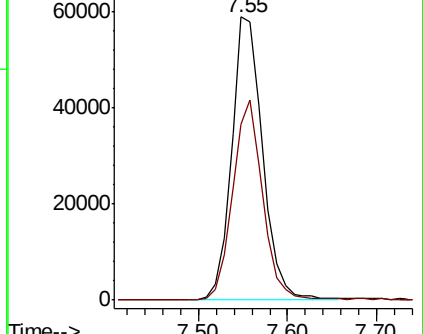
98 100

100 62.2 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 19.504 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.02 min

Lab File: VF060926.D

Acq: 6 Dec 2018 19:32

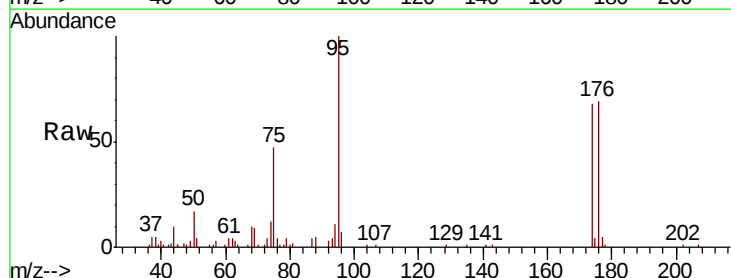
Tgt Ion: 95 Resp: 34741

Ion Ratio Lower Upper

95 100

174 68.4 0.0 138.2

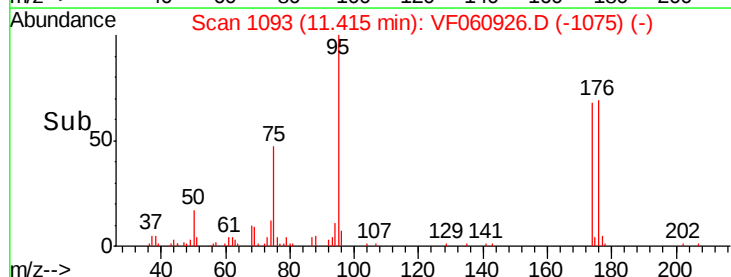
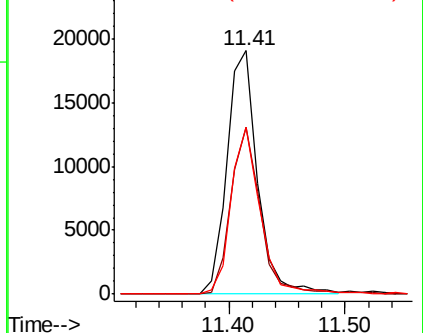
176 68.5 0.0 146.2

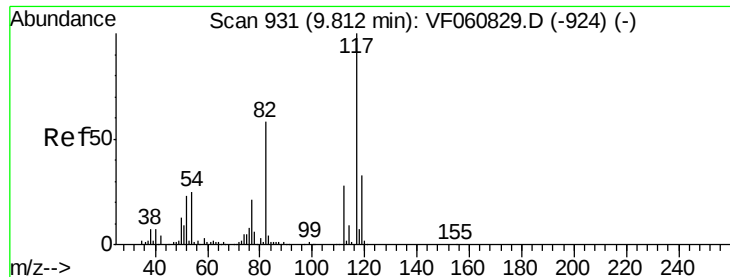


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

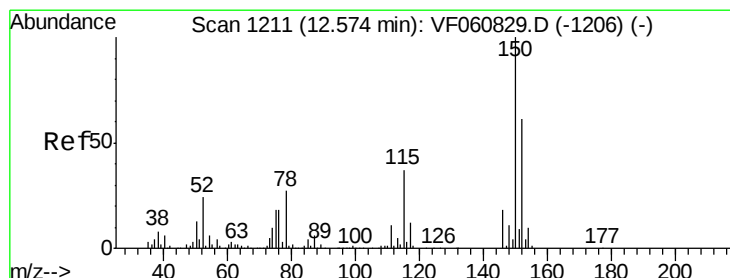
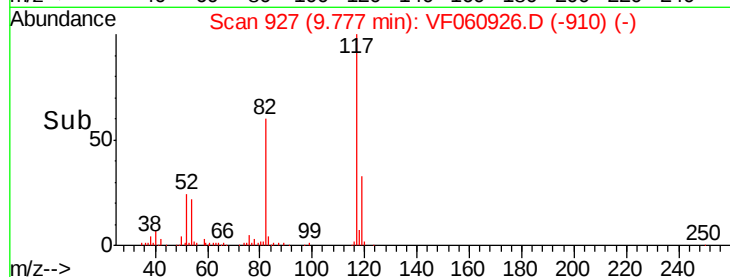
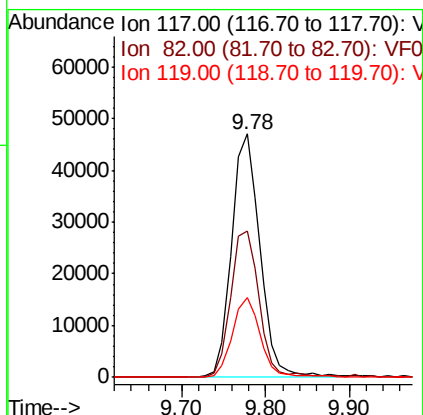
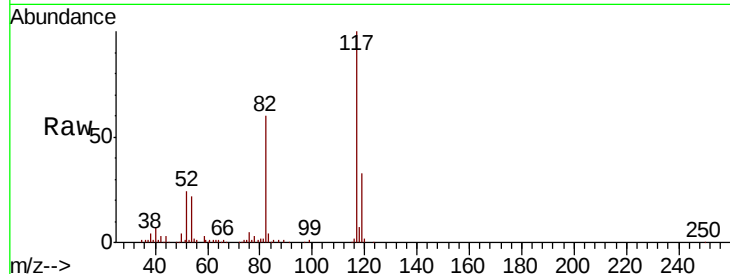




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF060926.D
Acq: 6 Dec 2018 19:32

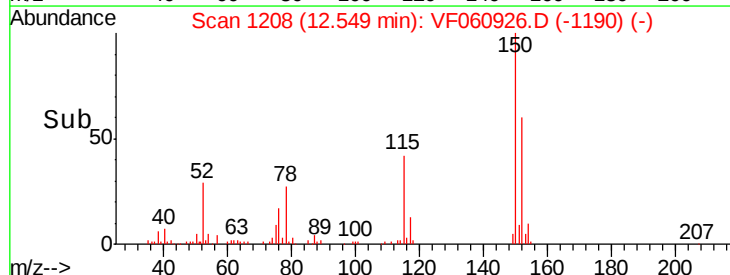
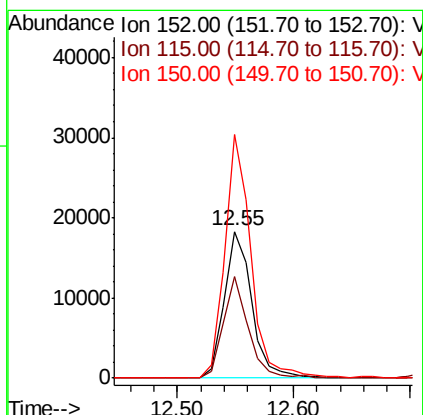
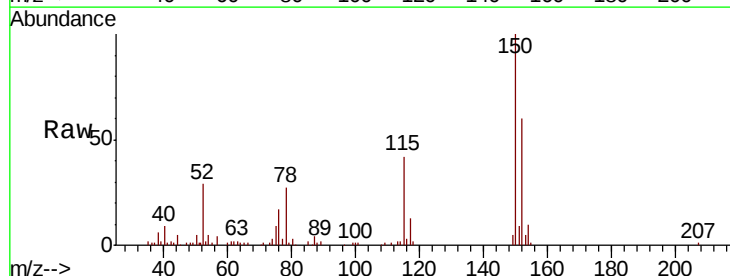
Instrument :
MSVOA_F
ClientSampleId :
SB-9-(0-2)

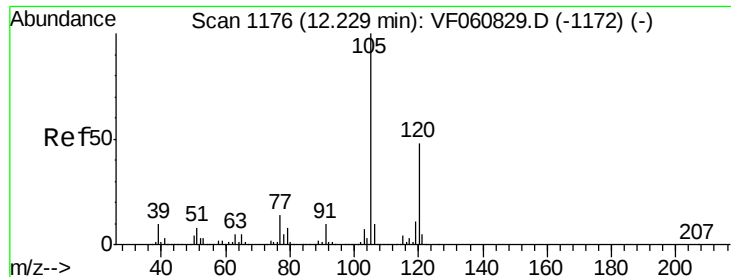
Tot Ion:117 Resp: 110370
Ion Ratio Lower Upper
117 100
82 60.3 46.6 69.8
119 32.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF060926.D
Acq: 6 Dec 2018 19:32

Tgt Ion:152 Resp: 30043
Ion Ratio Lower Upper
152 100
115 69.2 30.1 90.5
150 166.1 0.0 327.6

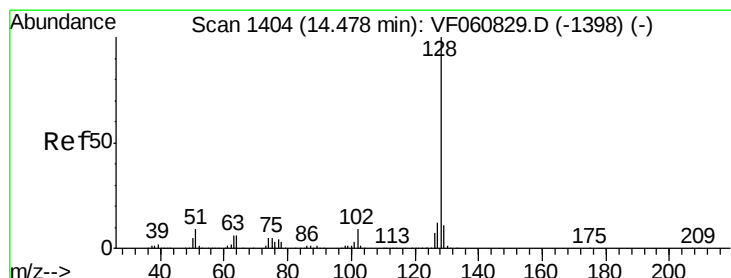
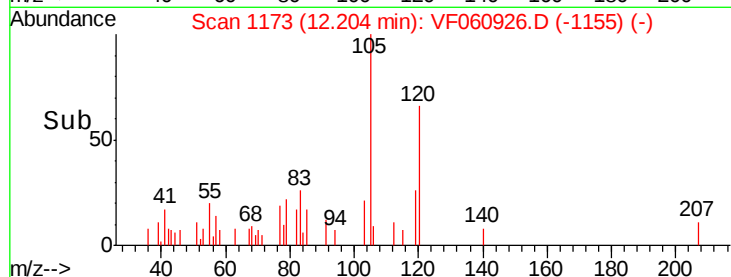
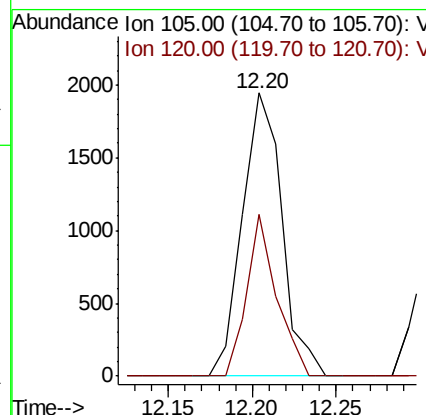
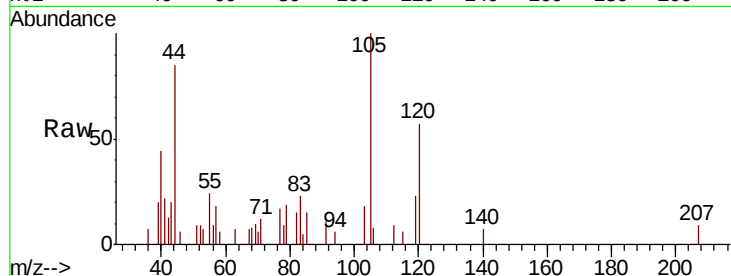




#84
 1,2,4-Trimethylbenzene
 Concen: 1.652 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF060926.D
 Acq: 6 Dec 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-9-(0-2)

Tot Ion:105 Resp: 3177
 Ion Ratio Lower Upper
 105 100
 120 57.1 23.8 71.5



#95
 Naphthalene
 Concen: 86.154 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF060926.D
 Acq: 6 Dec 2018 19:32

Tgt Ion:128 Resp: 106333
 Ion Ratio Lower Upper
 128 100
 127 13.3 9.9 14.9
 129 11.3 9.1 13.7

