

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061890.D
 Acq On : 11 Mar 2019 15:31
 Operator : VA/AP
 Sample : K1824-05
 Misc : 5.11g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-26

Quant Time: Mar 12 05:39:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	239551	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	365253	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	312580	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	175783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	122642	70.30	ug/l	0.00
Spiked Amount						
			Recovery	=	140.60%	
35) Dibromofluoromethane	4.11	113	161277	63.27	ug/l	-0.01
Spiked Amount						
			Recovery	=	126.54%	
50) Toluene-d8	7.55	98	362356	47.83	ug/l	-0.01
Spiked Amount						
			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.40	95	162625	54.80	ug/l	-0.01
Spiked Amount						
			Recovery	=	109.60%	

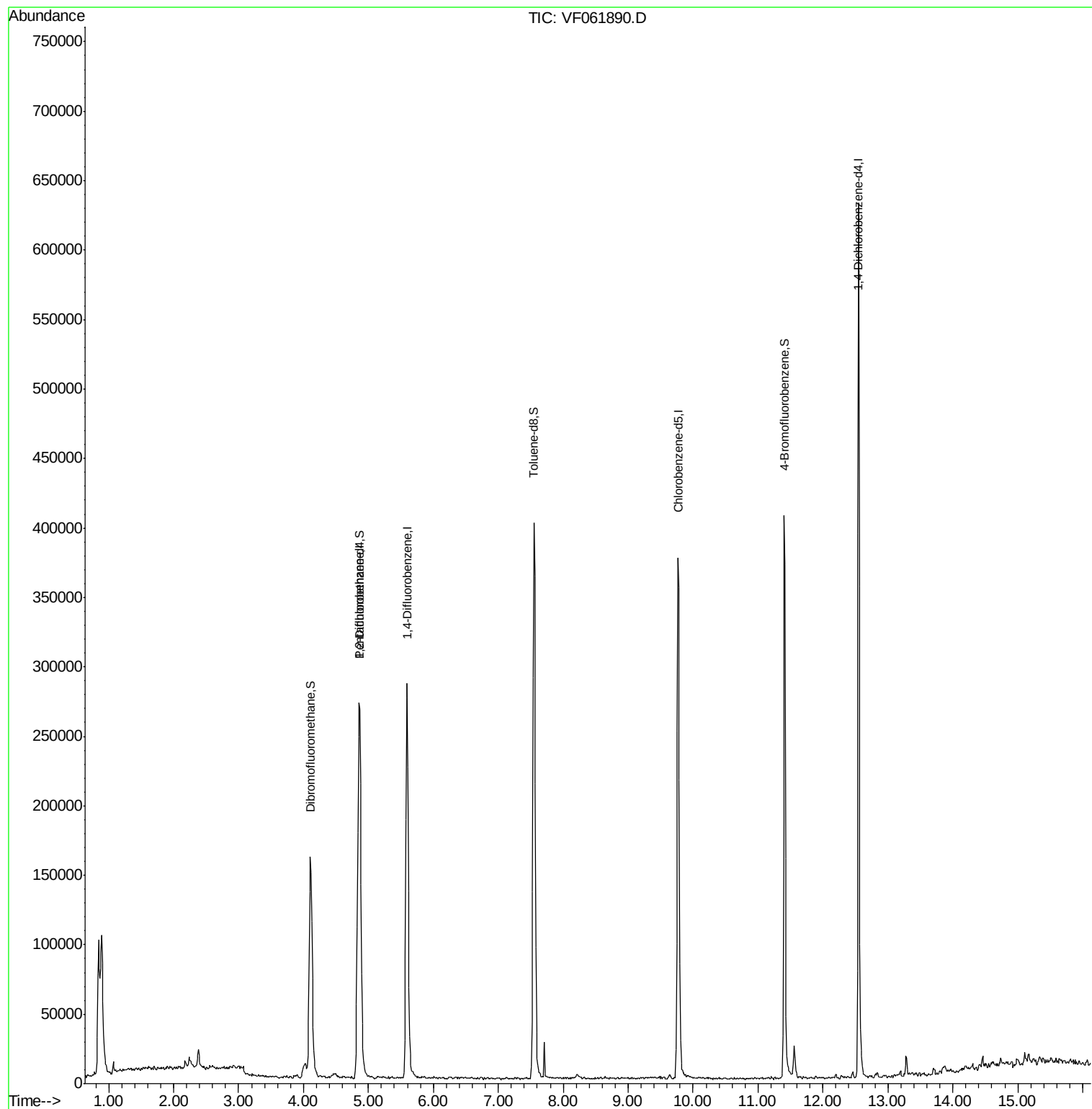
Target Compounds	Qvalue

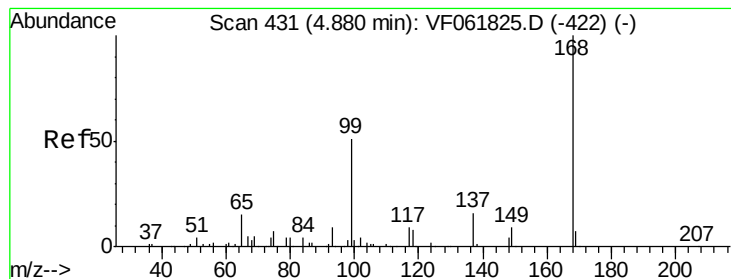
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
Data File : VF061890.D
Acq On : 11 Mar 2019 15:31
Operator : VA/AP
Sample : K1824-05
Misc : 5.11g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TP-26

Quant Time: Mar 12 05:39:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

Instrument :

MSVOA_F

ClientSampled :

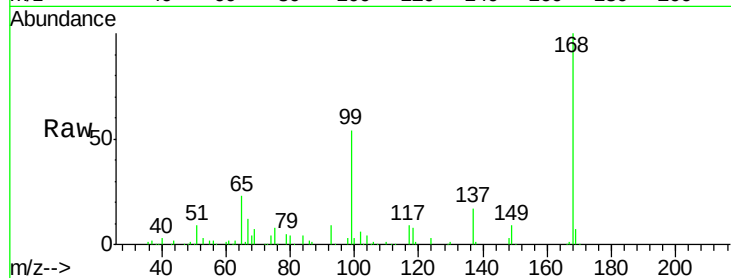
TP-26

Tot Ion:168 Resp: 239551

Ion Ratio Lower Upper

168 100

99 54.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

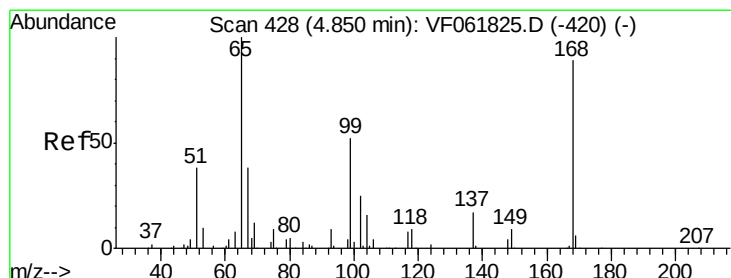
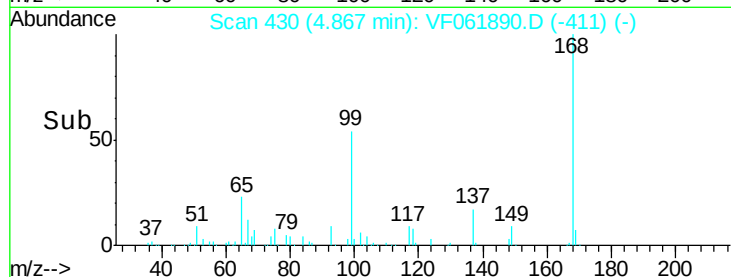
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 70.301 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061890.D

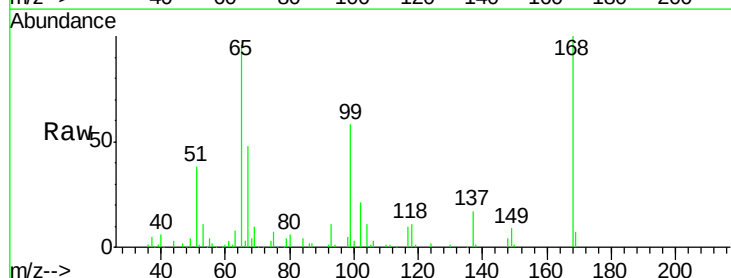
Acq: 11 Mar 2019 15:31

Tgt Ion: 65 Resp: 122642

Ion Ratio Lower Upper

65 100

67 50.5 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

50000

40000

30000

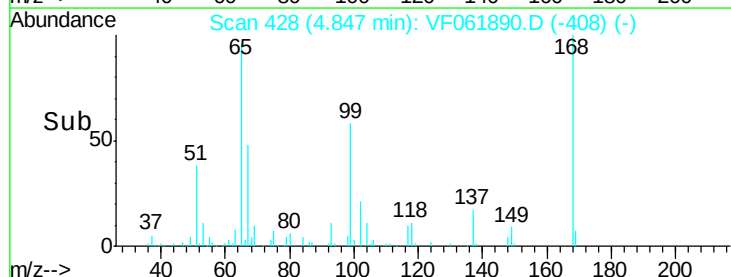
20000

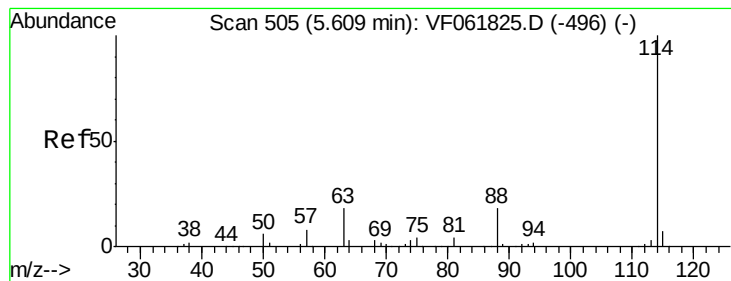
10000

0

Time-->

4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

TP-26

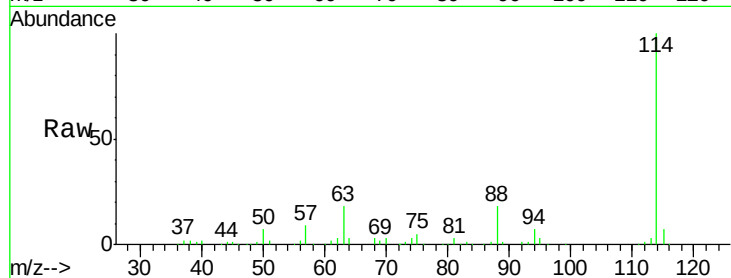
Tot Ion:114 Resp: 365253

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

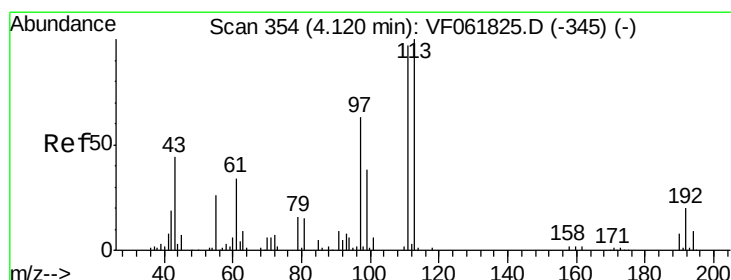
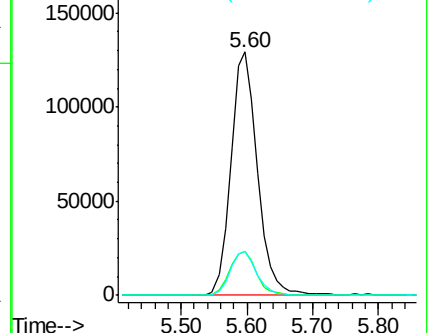
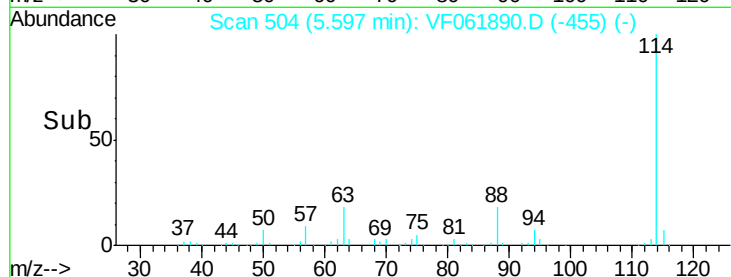
88 17.9 0.0 35.6



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: 63.271 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

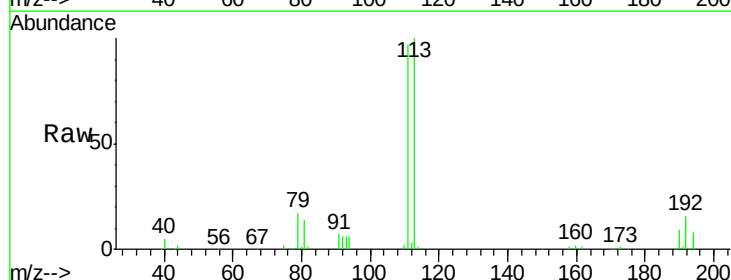
Tgt Ion:113 Resp: 161277

Ion Ratio Lower Upper

113 100

111 97.0 77.6 116.4

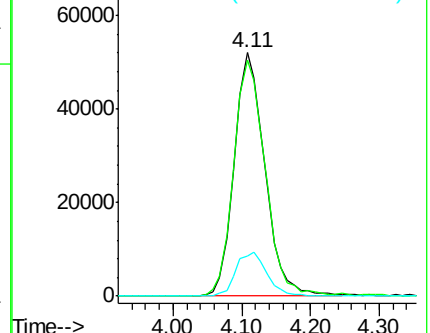
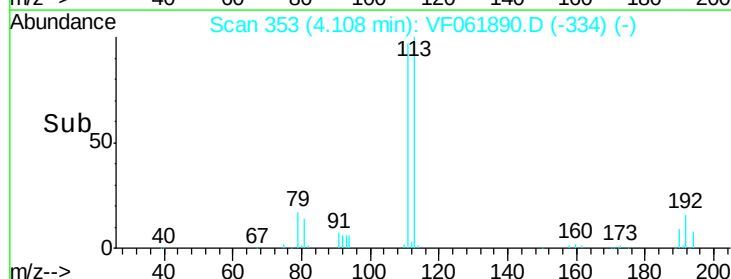
192 16.3 15.9 23.9

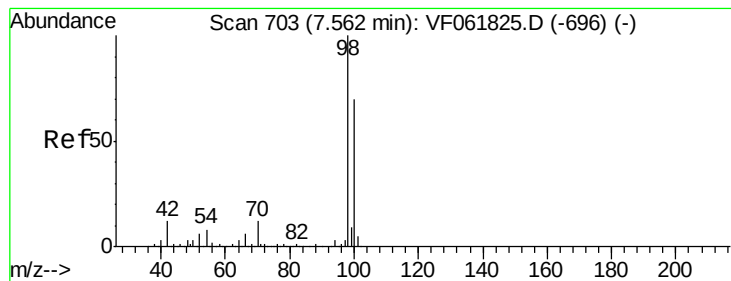


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 47.827 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

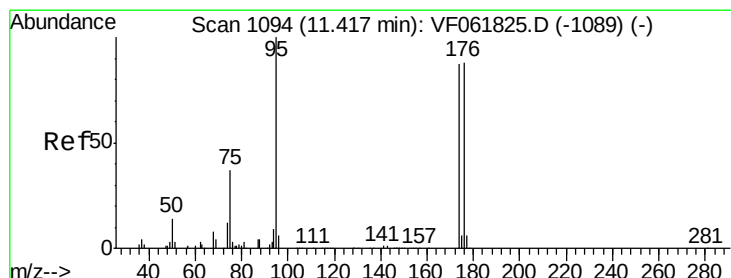
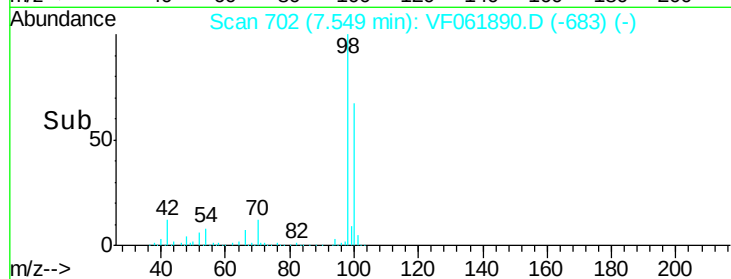
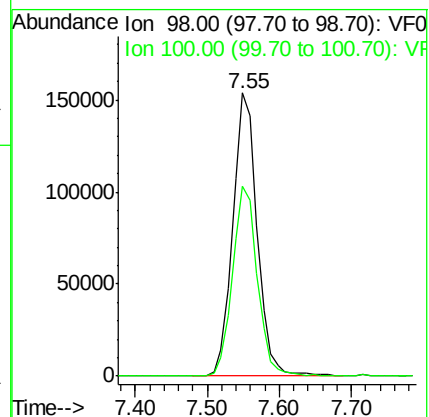
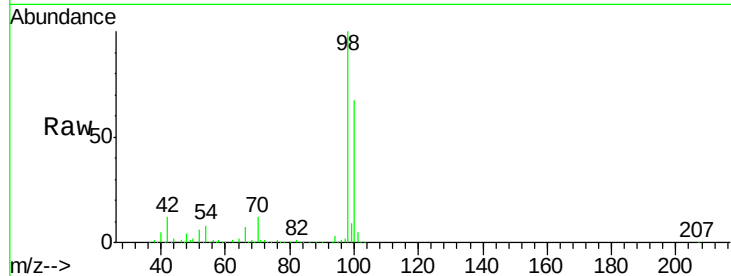
TP-26

Tot Ion: 98 Resp: 362356

Ion Ratio Lower Upper

98 100

100 67.1 56.0 84.0



#62

4-Bromofluorobenzene

Concen: 54.796 ug/l

RT: 11.40 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

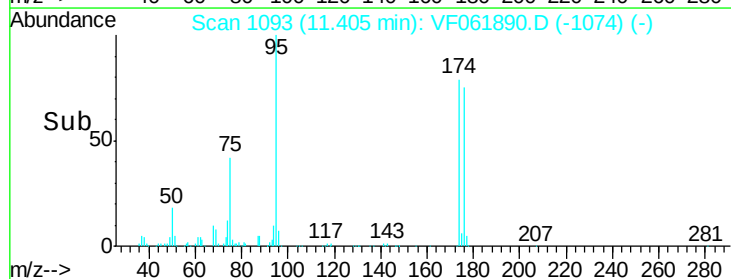
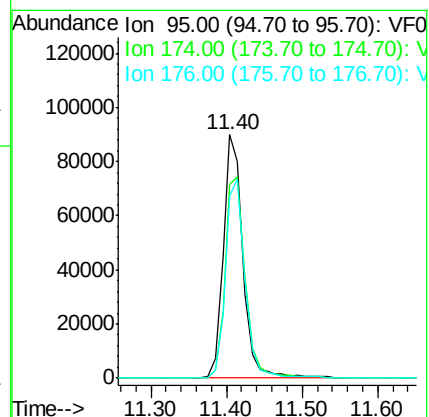
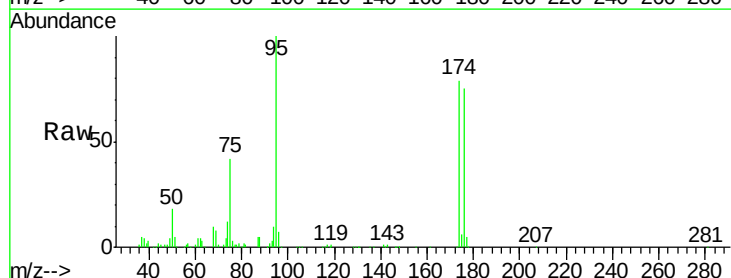
Tgt Ion: 95 Resp: 162625

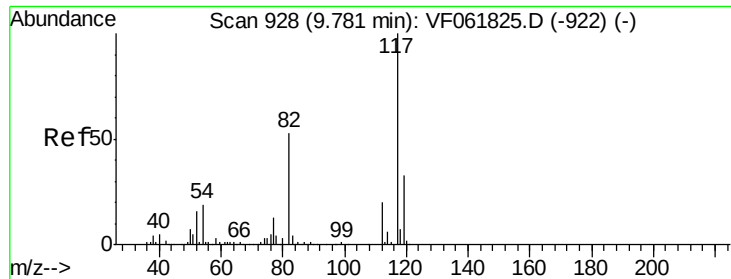
Ion Ratio Lower Upper

95 100

174 79.3 0.0 174.0

176 74.8 0.0 175.2

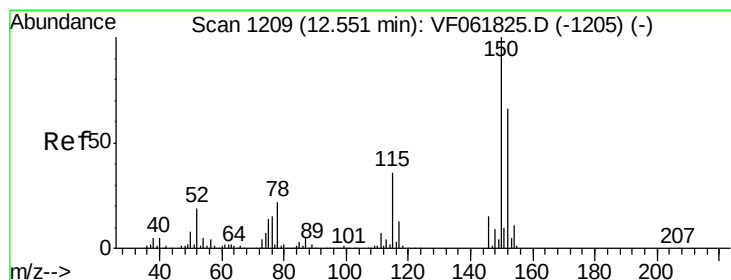
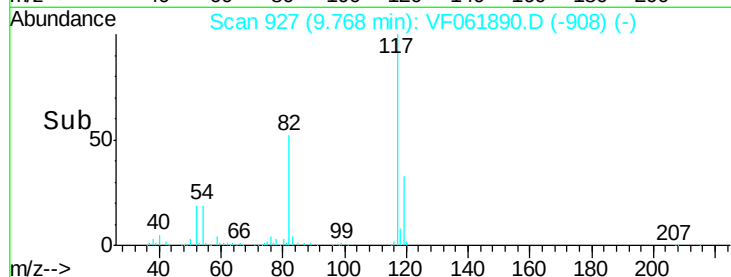
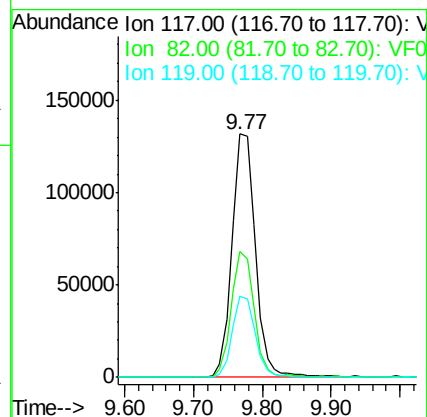
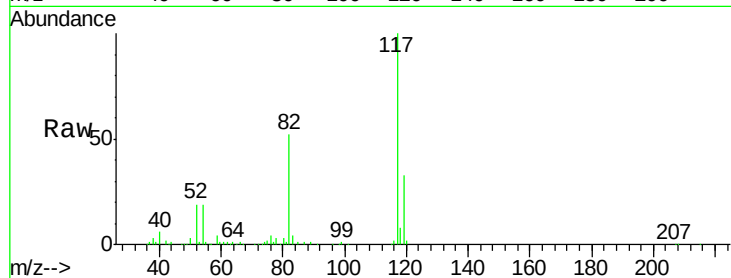




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :
TP-26

Tot Ion:117 Resp: 312580
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 33.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

Tgt Ion:152 Resp: 175783
Ion Ratio Lower Upper
152 100
115 51.9 27.7 83.1
150 157.5 0.0 304.2

