

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060918.D
 Acq On : 6 Dec 2018 15:40
 Operator : VA/AP
 Sample : J6248-02
 Misc : 4.35g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-2

Quant Time: Dec 06 16:51:20 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	213292	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	359431	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	330442	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	190774	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	112605	44.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	89.64%	
35) Dibromofluoromethane	4.11	113	113548	39.82	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	79.64%	
50) Toluene-d8	7.55	98	298089	35.49	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	70.98%	
62) 4-Bromofluorobenzene	11.41	95	147991	38.77	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	77.54%	

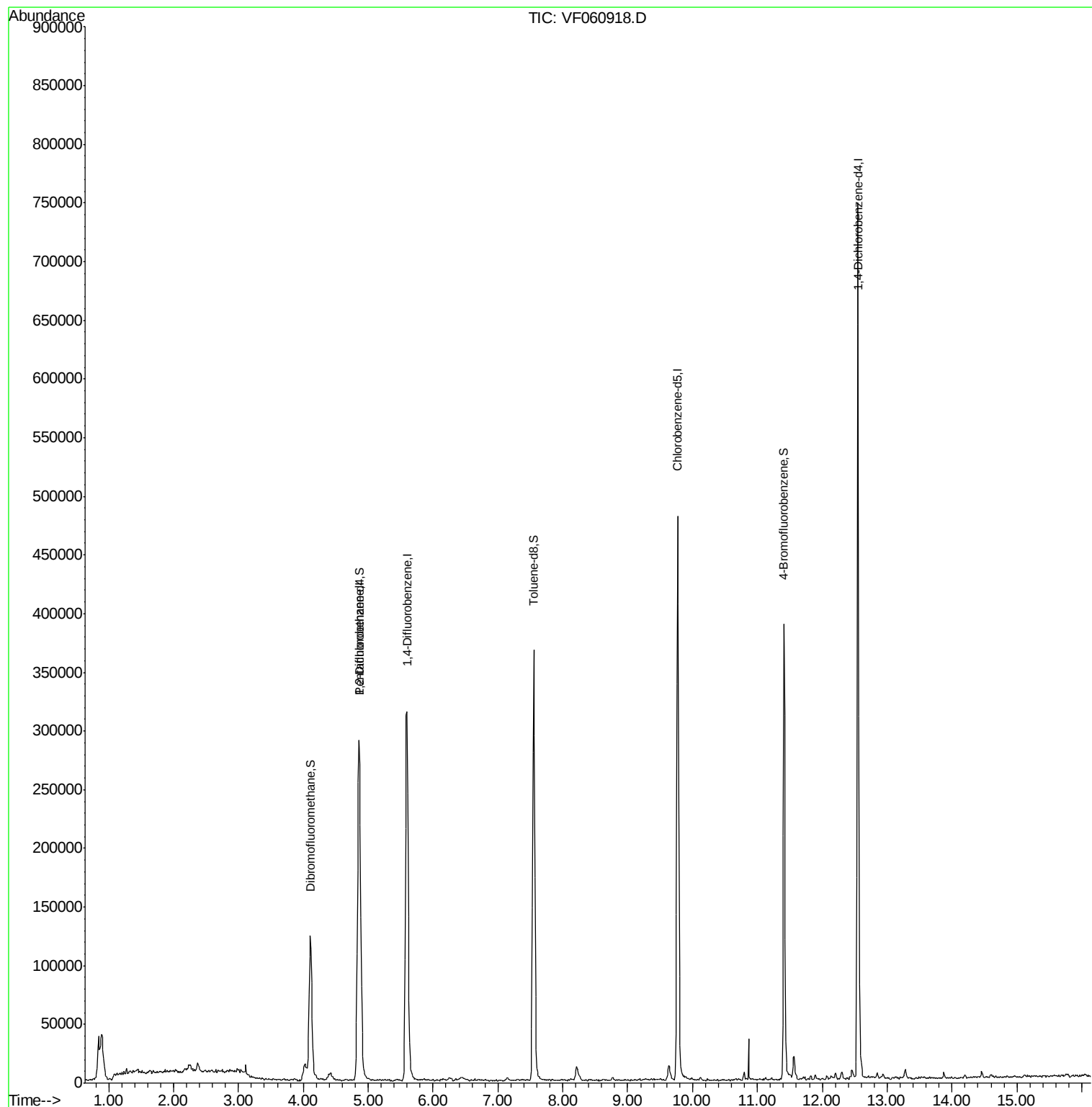
Target Compounds	Qvalue

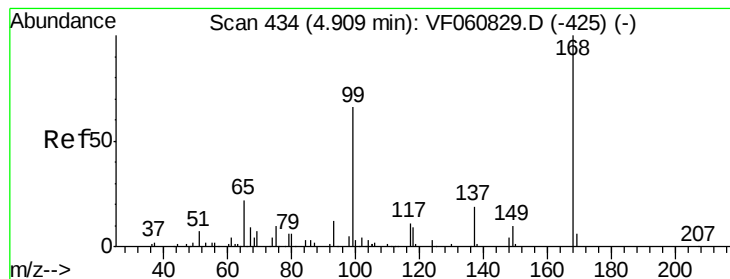
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060918.D

Acq: 6 Dec 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

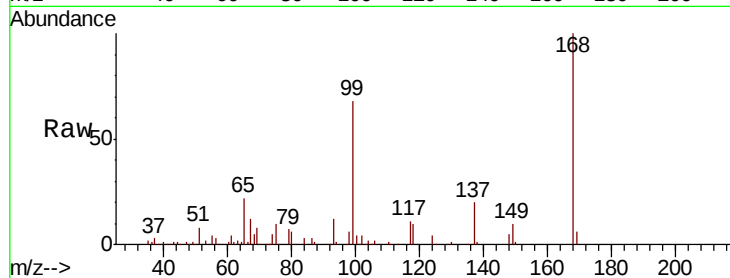
4UST-SW-2

Tot Ion:168 Resp: 213292

Ion Ratio Lower Upper

168 100

99 67.9 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

60000

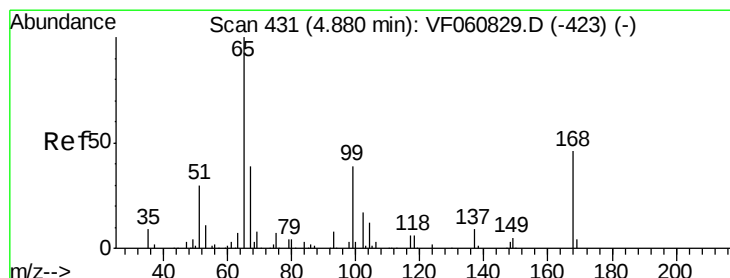
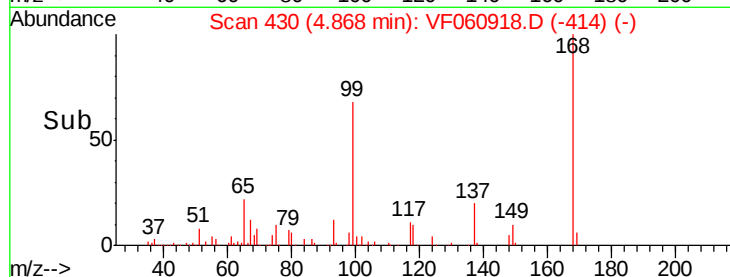
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 44.815 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060918.D

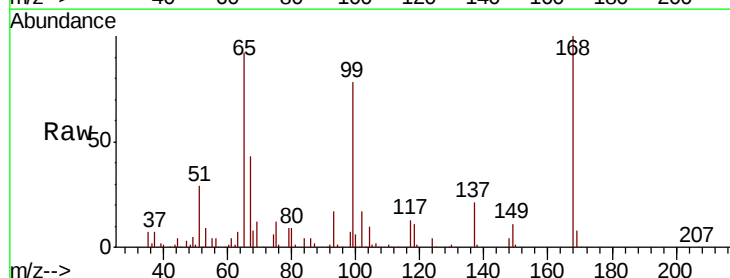
Acq: 6 Dec 2018 15:40

Tgt Ion: 65 Resp: 112605

Ion Ratio Lower Upper

65 100

67 46.3 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

40000

30000

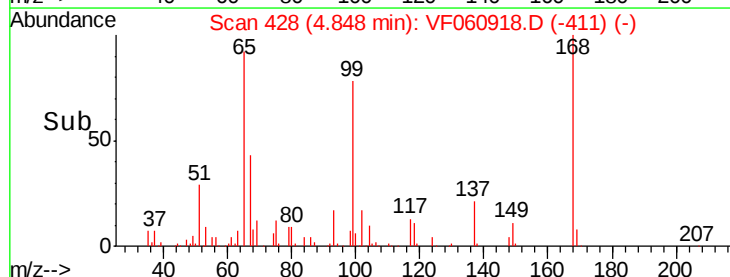
20000

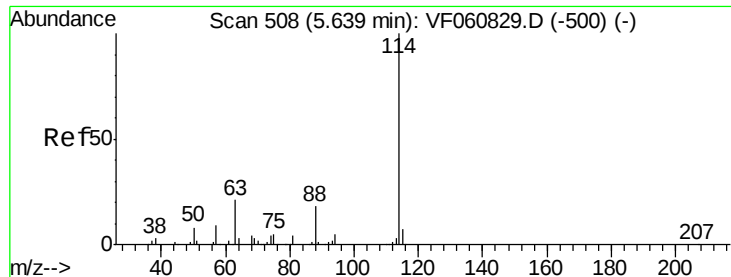
10000

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. -0.04 min

Lab File: VF060918.D

Acq: 6 Dec 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-2

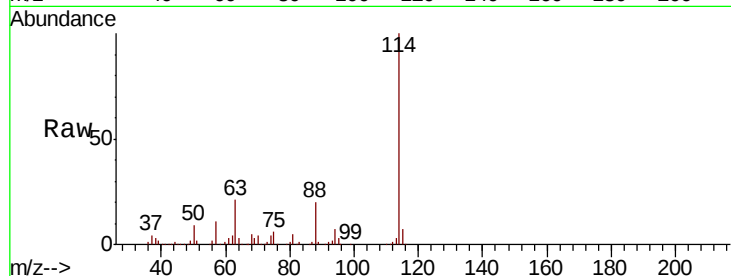
Tot Ion:114 Resp: 359431

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

88 20.4 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

150000

100000

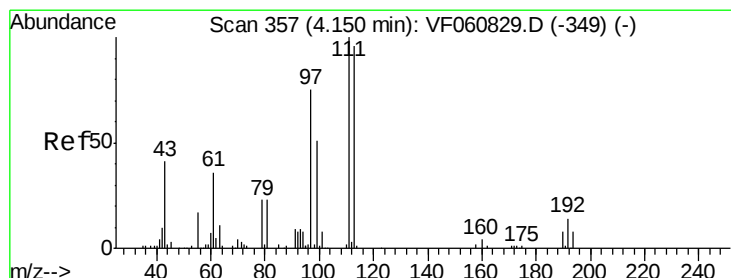
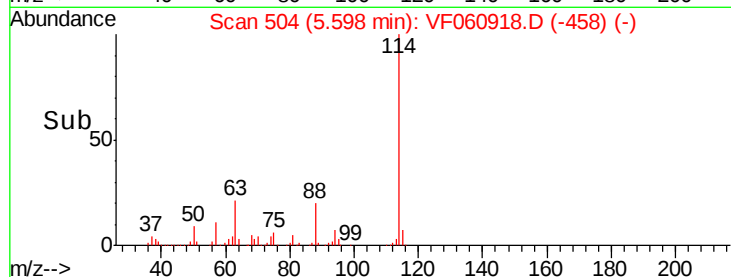
50000

0

5.60

5.50 5.60 5.70 5.80

Time-->



#35

Dibromofluoromethane

Concen: 39.821 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060918.D

Acq: 6 Dec 2018 15:40

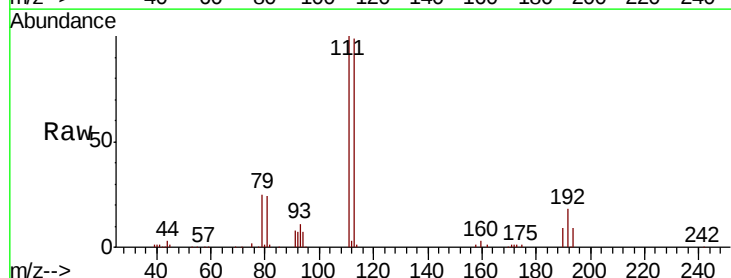
Tgt Ion:113 Resp: 113548

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.6

192 18.8 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

50000

40000

30000

20000

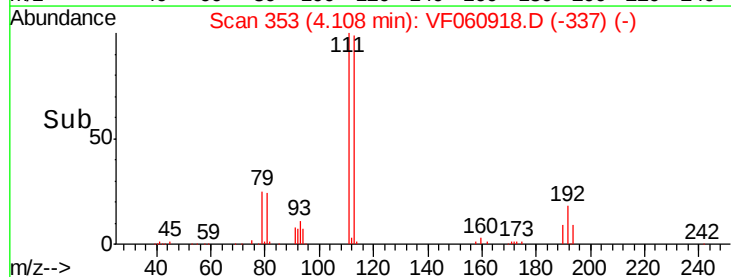
10000

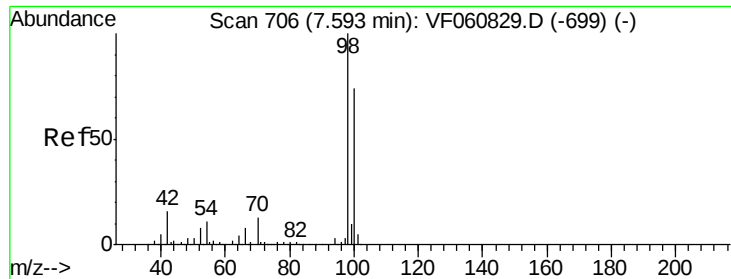
0

4.11

4.00 4.10 4.20 4.30

Time-->





#50

Toluene-d8

Concen: 35.489 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060918.D

Acq: 6 Dec 2018 15:40

Instrument :

MSVOA_F

ClientSampleId :

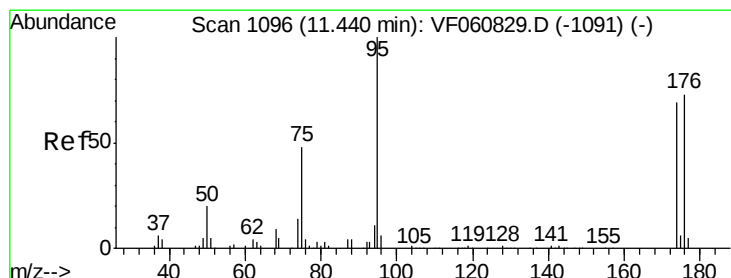
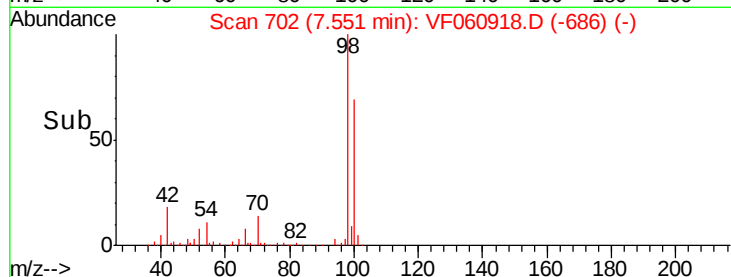
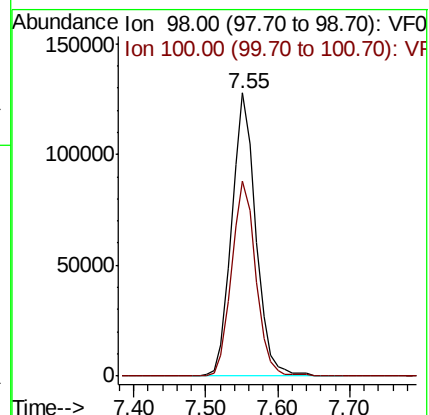
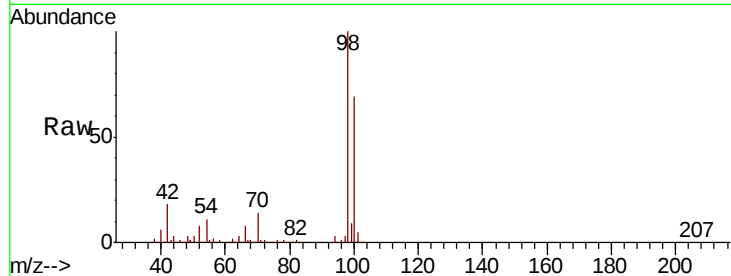
4UST-SW-2

Tot Ion: 98 Resp: 298089

Ion Ratio Lower Upper

98 100

100 69.0 59.3 88.9



#62

4-Bromofluorobenzene

Concen: 38.767 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060918.D

Acq: 6 Dec 2018 15:40

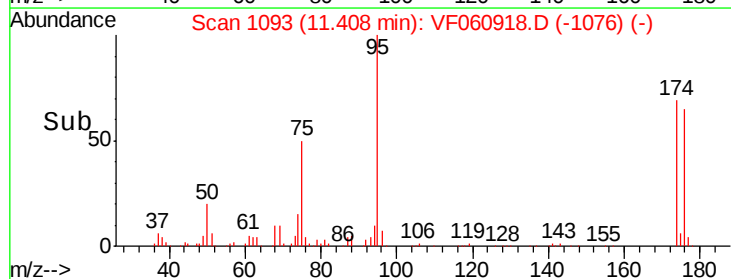
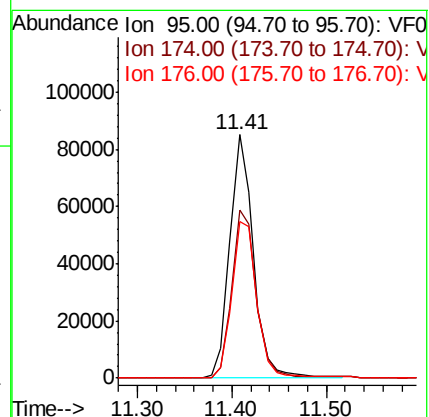
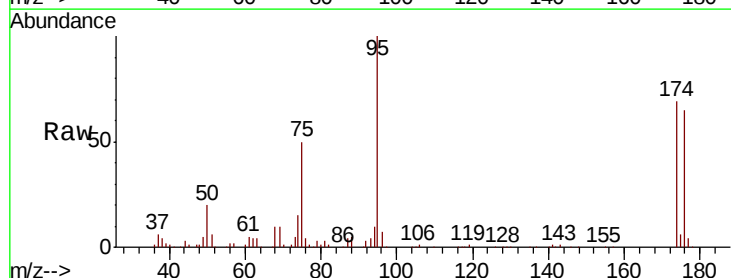
Tgt Ion: 95 Resp: 147991

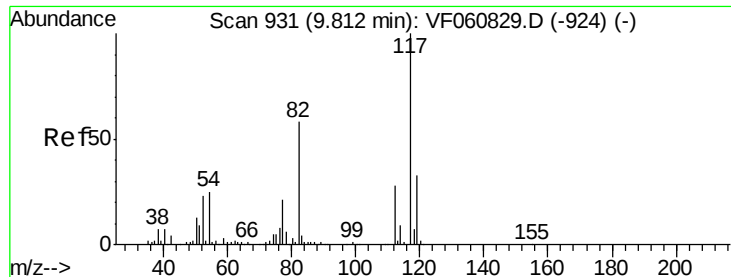
Ion Ratio Lower Upper

95 100

174 68.9 0.0 138.2

176 64.5 0.0 146.2

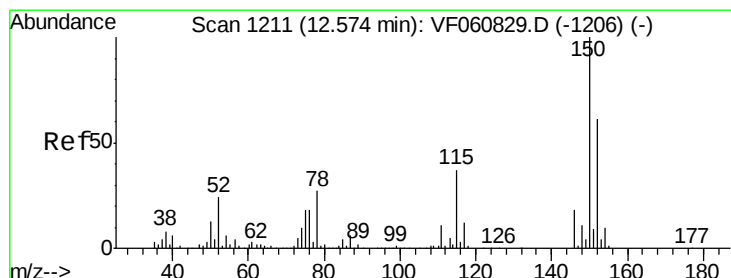
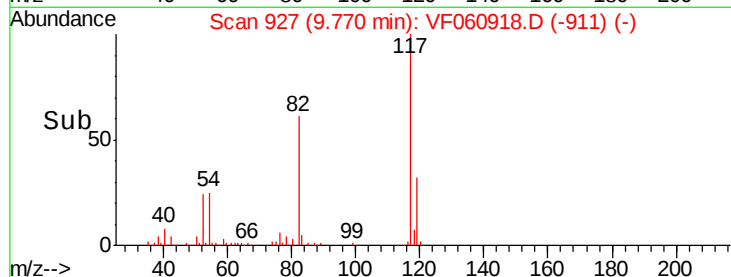
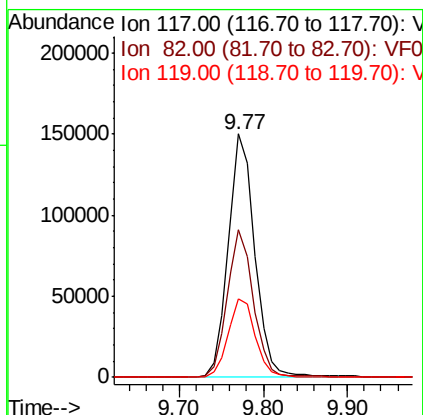
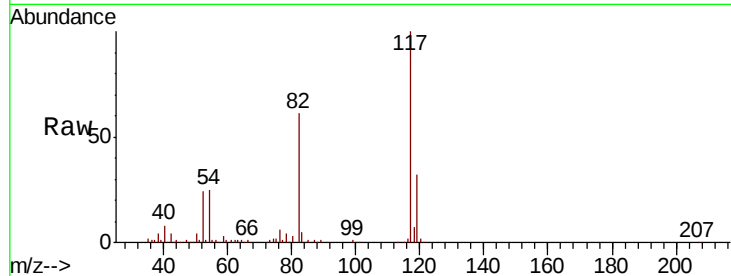




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060918.D
Acq: 6 Dec 2018 15:40

Instrument :
MSVOA_F
ClientSampleId :
4UST-SW-2

Tot Ion:117 Resp: 330442
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 32.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060918.D
Acq: 6 Dec 2018 15:40

Tgt Ion:152 Resp: 190774
Ion Ratio Lower Upper
152 100
115 57.6 30.1 90.5
150 155.3 0.0 327.6

