

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060921.D
 Acq On : 6 Dec 2018 17:06
 Operator : VA/AP
 Sample : J6248-05
 Misc : 4.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-5

Quant Time: Dec 06 17:41:04 2018
 Quant Method : Z:\V0ASRV\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	198206	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	325565	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	306561	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	166567	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	93801	40.17	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	80.34%	
35) Dibromofluoromethane	4.11	113	99964	38.70	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	77.40%	
50) Toluene-d8	7.56	98	248045	32.60	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	65.20%	
62) 4-Bromofluorobenzene	11.41	95	126912	36.70	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	73.40%	

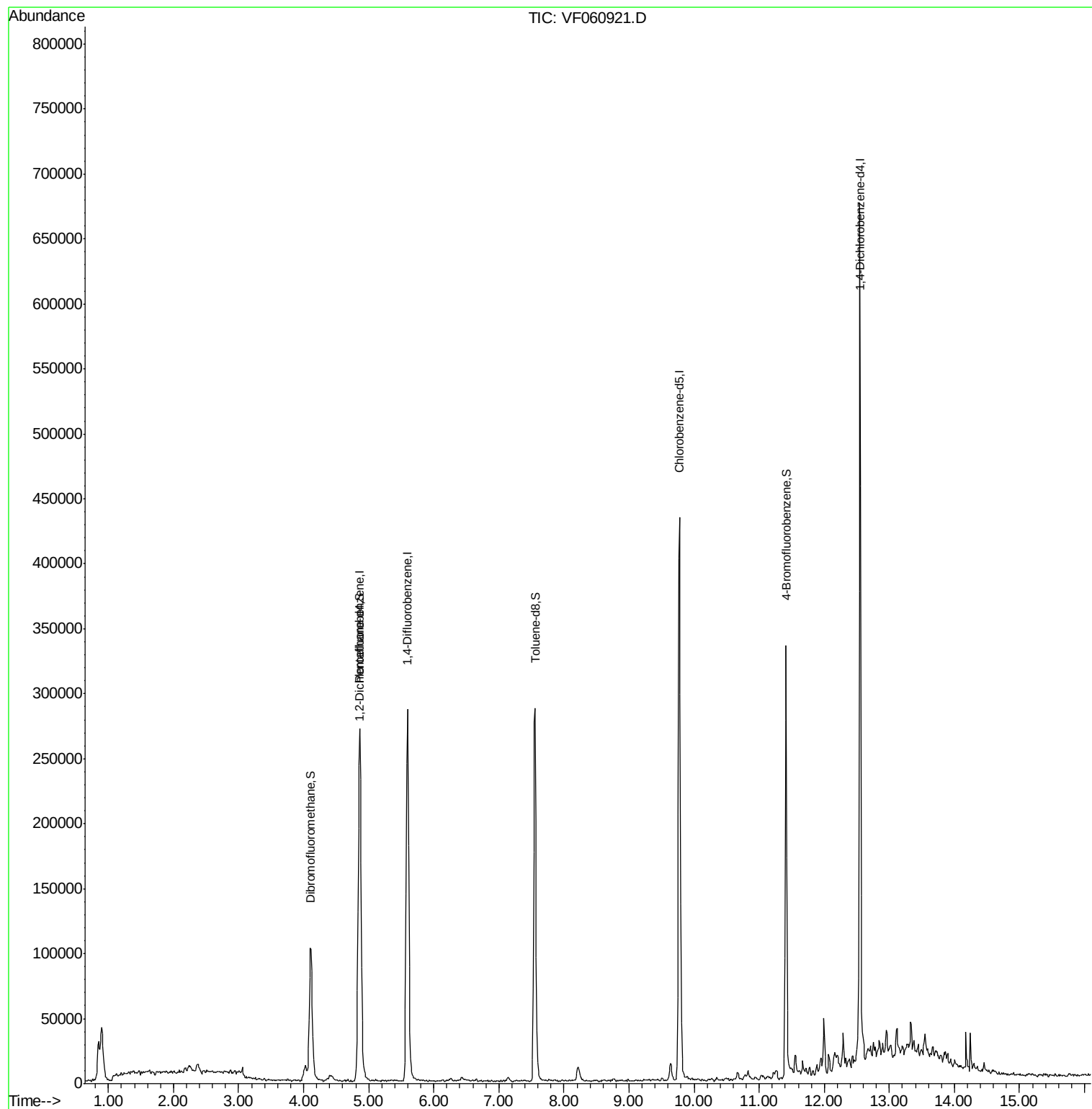
Target Compounds	Qvalue

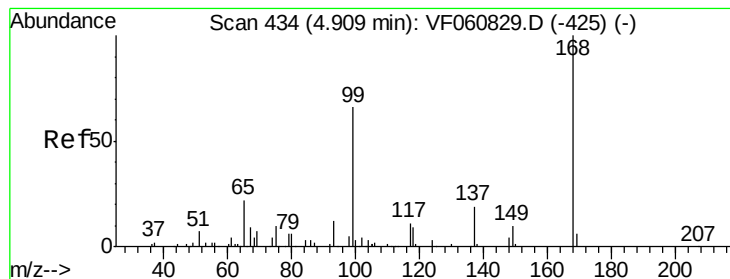
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060921.D

Acq: 6 Dec 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

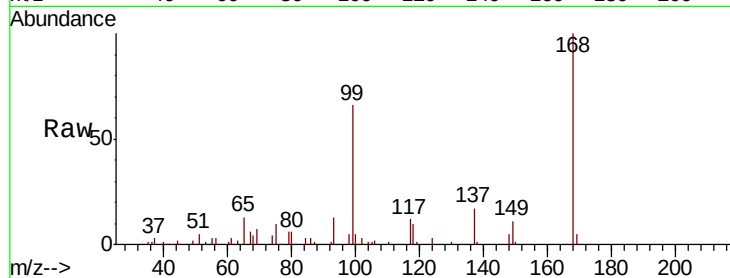
4UST-SW-5

Tot Ion:168 Resp: 198206

Ion Ratio Lower Upper

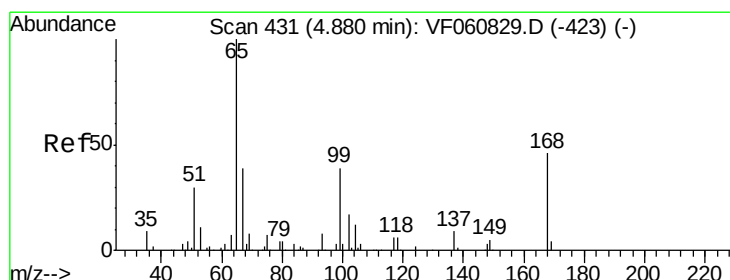
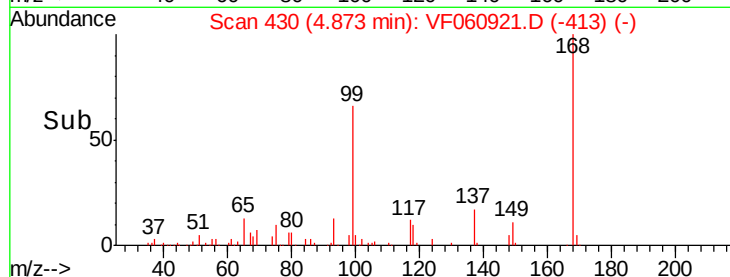
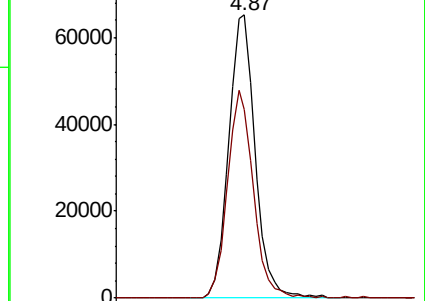
168 100

99 66.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 40.173 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060921.D

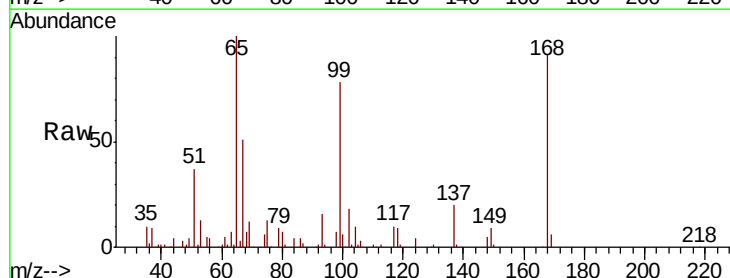
Acq: 6 Dec 2018 17:06

Tgt Ion: 65 Resp: 93801

Ion Ratio Lower Upper

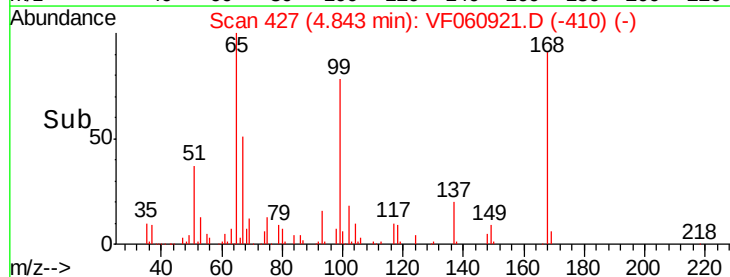
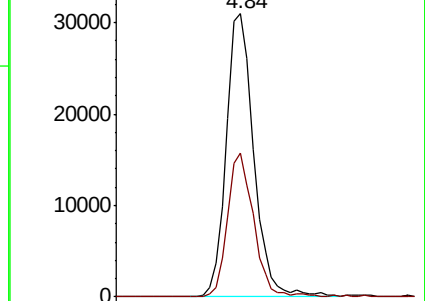
65 100

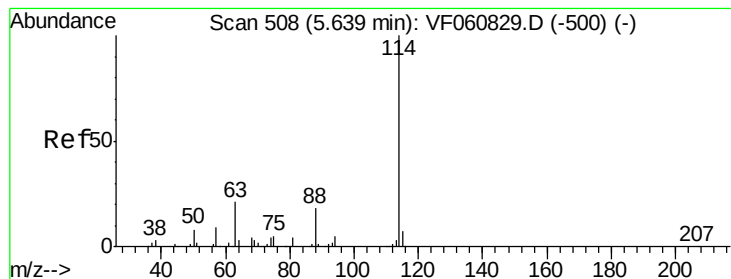
67 50.7 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060921.D

Acq: 6 Dec 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-5

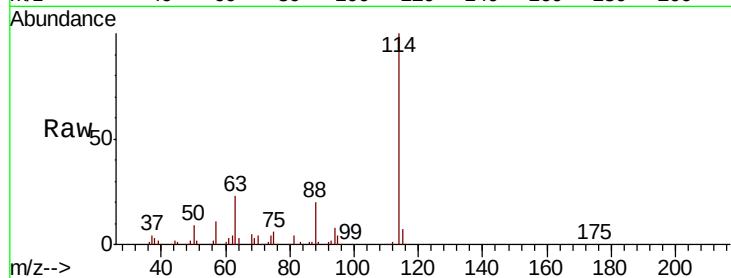
Tot Ion:114 Resp: 325565

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

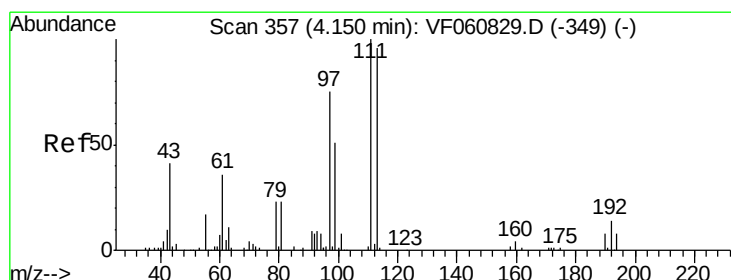
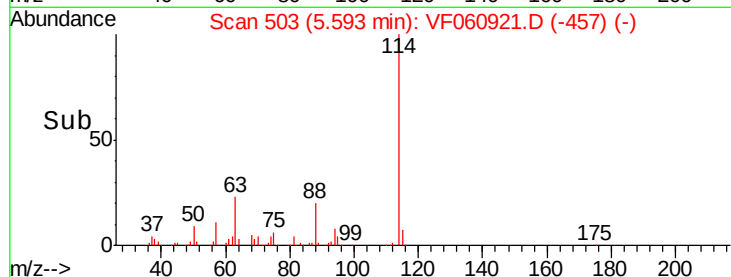
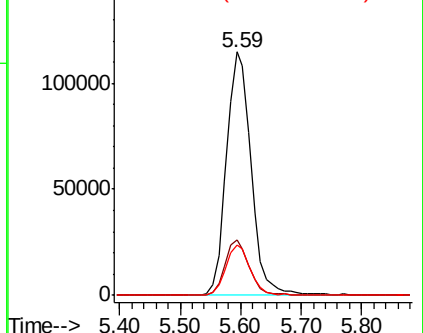
88 20.5 0.0 36.6



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: 38.704 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060921.D

Acq: 6 Dec 2018 17:06

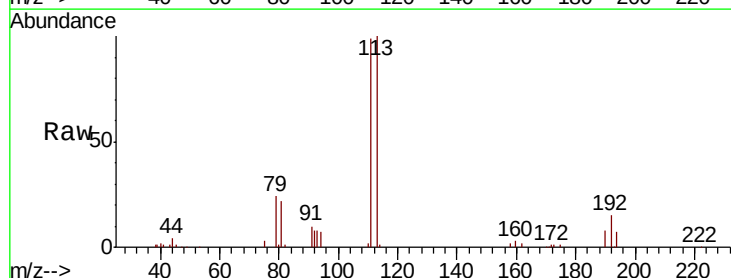
Tgt Ion:113 Resp: 99964

Ion Ratio Lower Upper

113 100

111 99.1 83.0 124.6

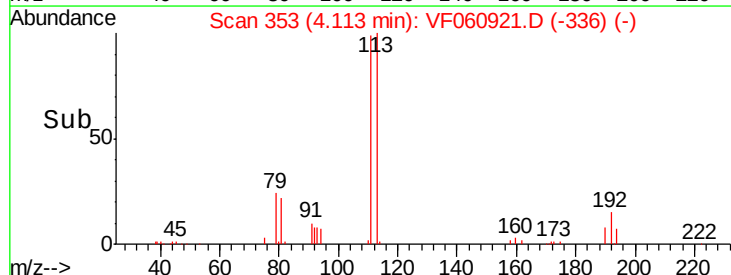
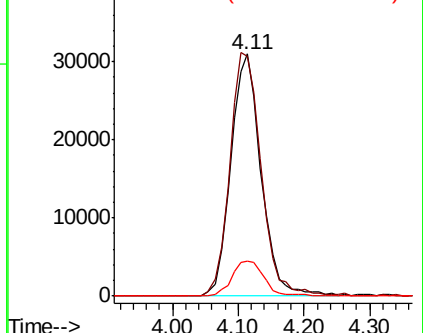
192 15.0 12.3 18.5

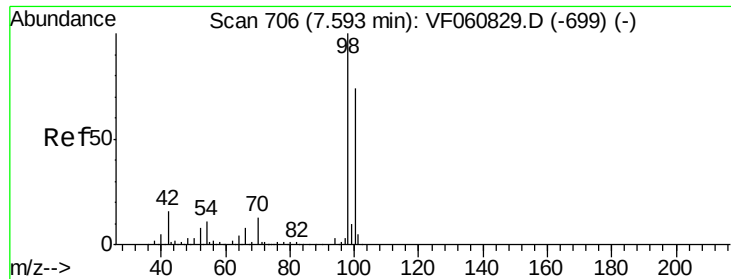


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 32.603 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060921.D

Acq: 6 Dec 2018 17:06

Instrument :

MSVOA_F

ClientSampleId :

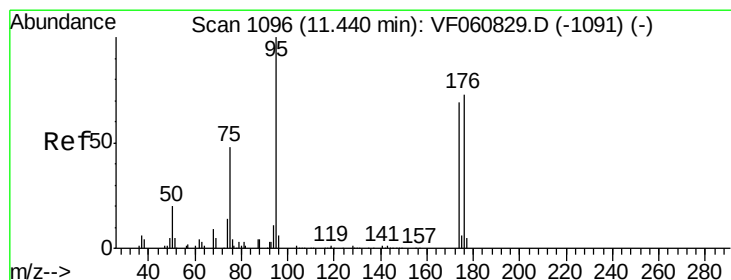
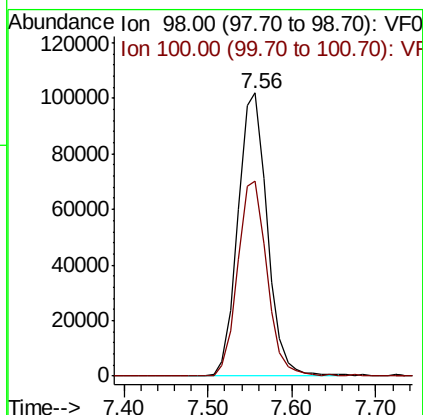
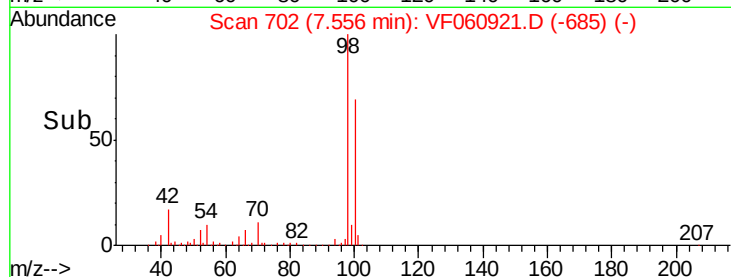
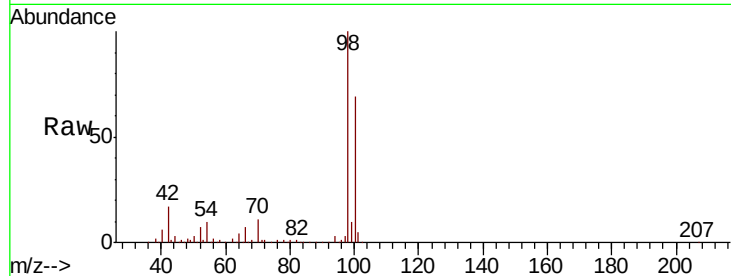
4UST-SW-5

Tot Ion: 98 Resp: 248045

Ion Ratio Lower Upper

98 100

100 69.0 59.3 88.9



#62

4-Bromofluorobenzene

Concen: 36.703 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060921.D

Acq: 6 Dec 2018 17:06

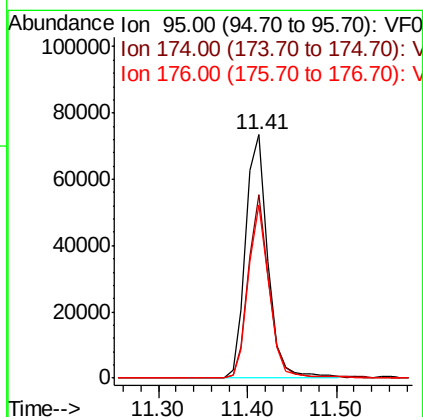
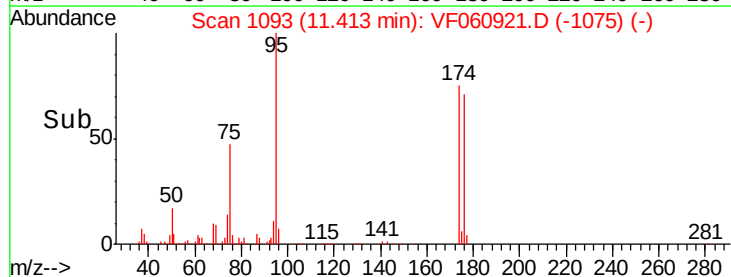
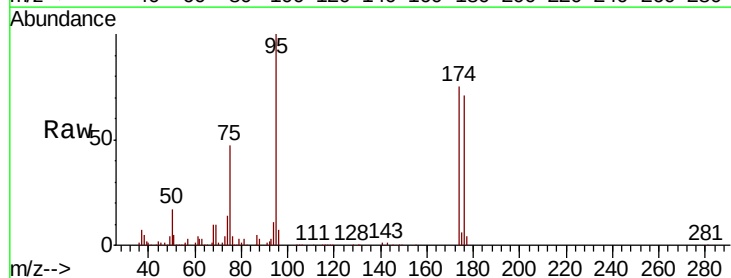
Tgt Ion: 95 Resp: 126912

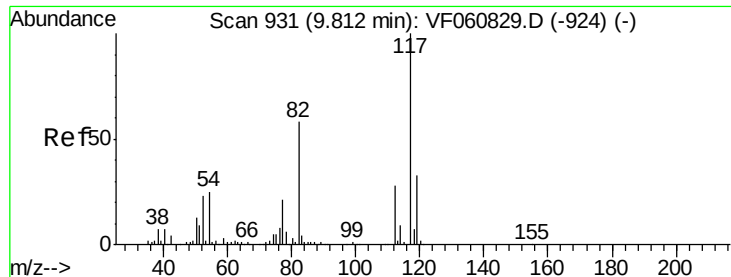
Ion Ratio Lower Upper

95 100

174 75.1 0.0 138.2

176 71.2 0.0 146.2

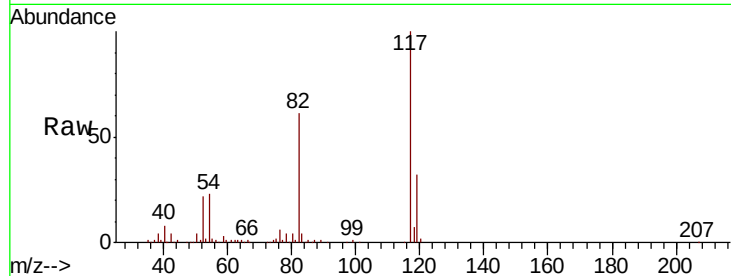




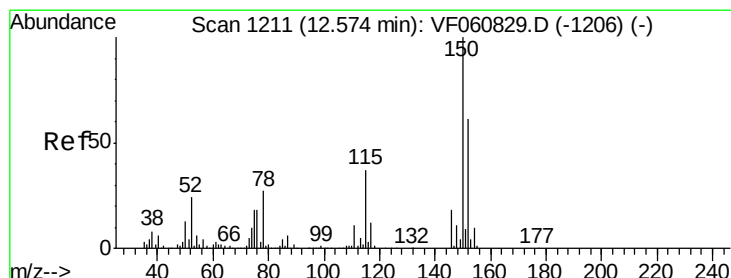
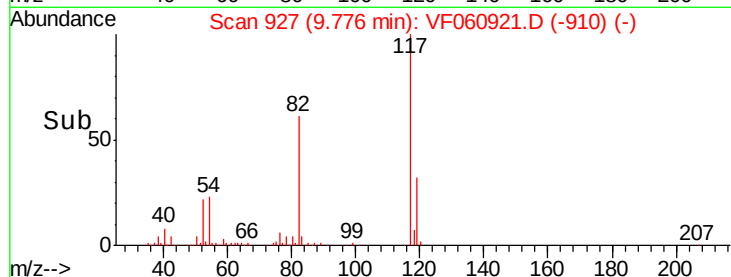
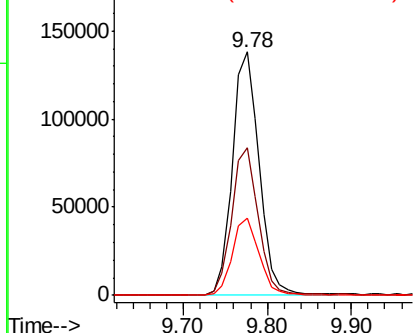
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060921.D
Acq: 6 Dec 2018 17:06

Instrument :
MSVOA_F
ClientSampleId :
4UST-SW-5

Tot Ion:117 Resp: 306561
Ion Ratio Lower Upper
117 100
82 60.7 46.6 69.8
119 31.6 26.4 39.6

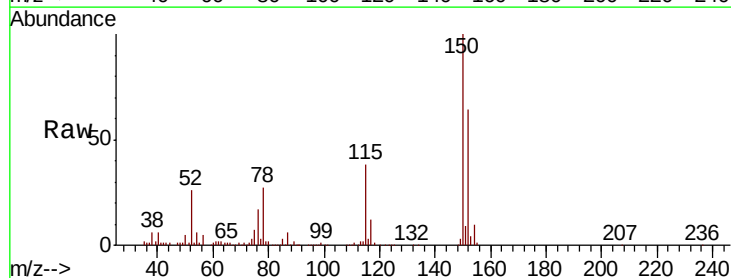


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060921.D
Acq: 6 Dec 2018 17:06

Tgt Ion:152 Resp: 166567
Ion Ratio Lower Upper
152 100
115 58.9 30.1 90.5
150 156.5 0.0 327.6



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

