

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060991.D
 Acq On : 11 Dec 2018 22:17
 Operator : VA/AP
 Sample : J6316-11
 Misc : 5.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Quant Time: Dec 12 07:20:05 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	58889	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	86399	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	58627	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	18441	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	20257	29.20	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	58.40%	
35) Dibromofluoromethane	4.12	113	24556	35.83	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	71.66%	
50) Toluene-d8	7.56	98	63765	31.58	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	63.16%	
62) 4-Bromofluorobenzene	11.41	95	20941	22.82	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	45.64%	

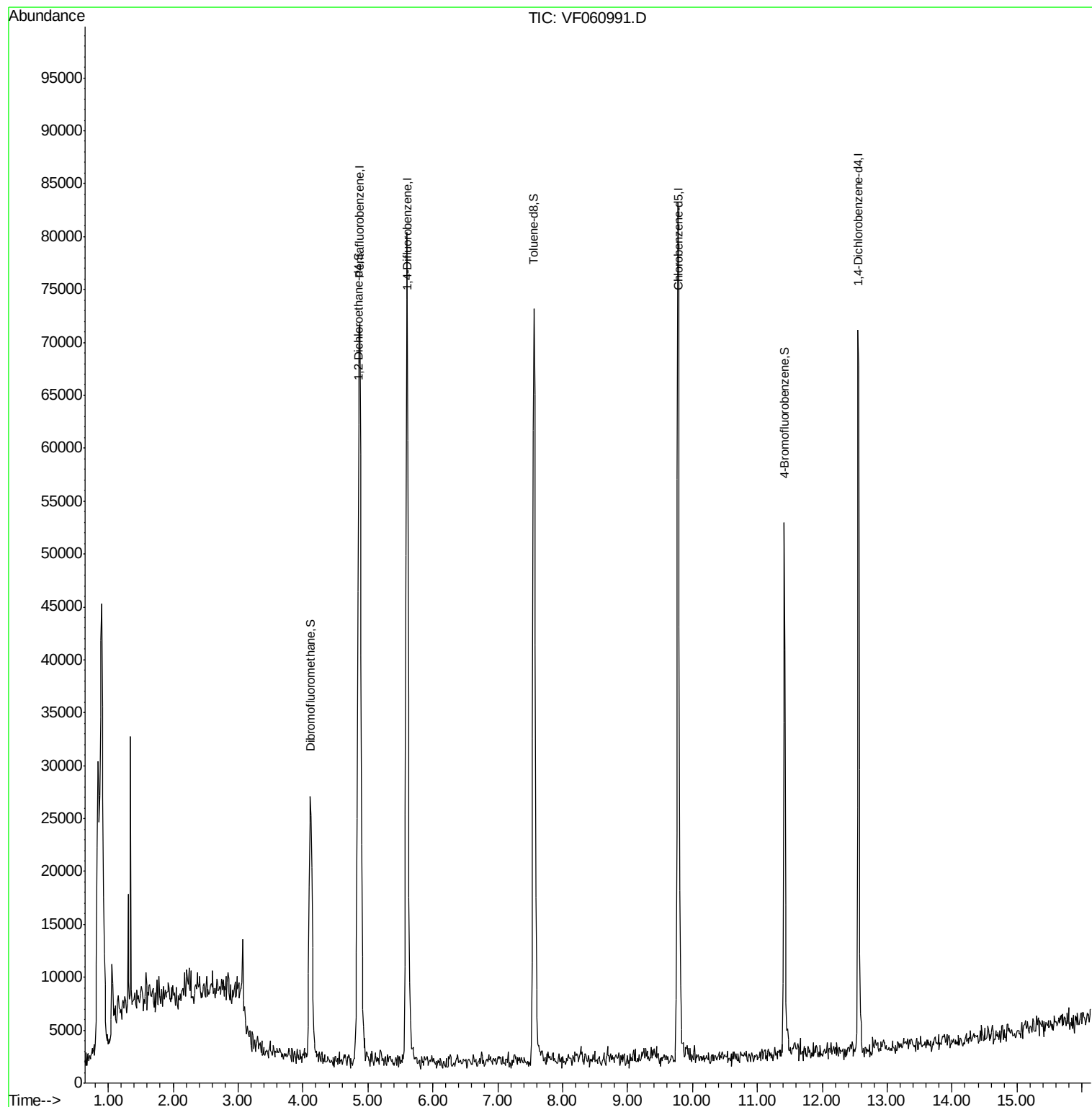
Target Compounds	Qvalue
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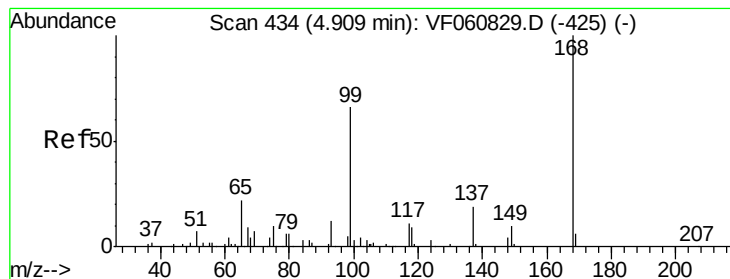
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF060991.D

Acq: 11 Dec 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

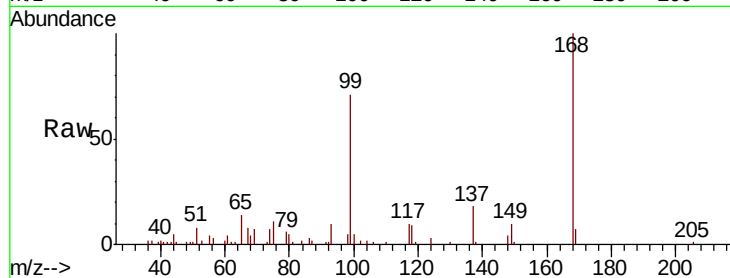
AVE-X-B-BALL-FIELD-S-1

Tot Ion:168 Resp: 58889

Ion Ratio Lower Upper

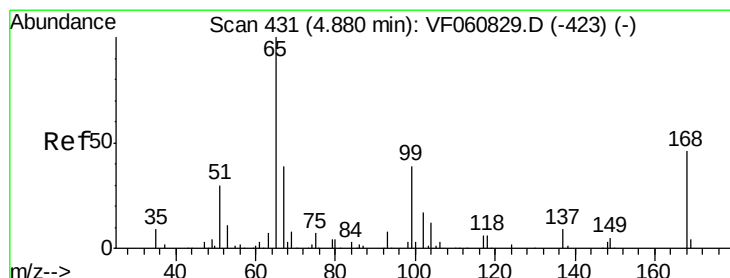
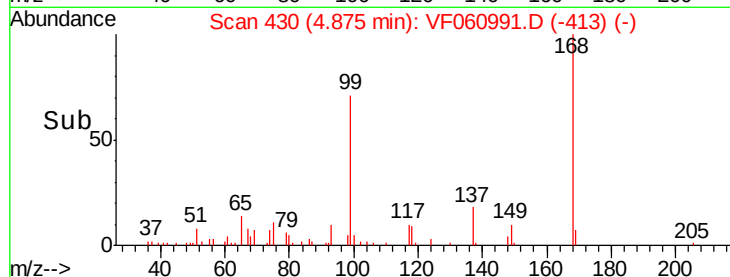
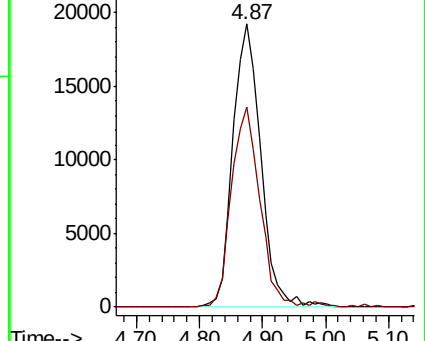
168 100

99 70.7 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: 29.200 ug/l

RT: 4.85 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF060991.D

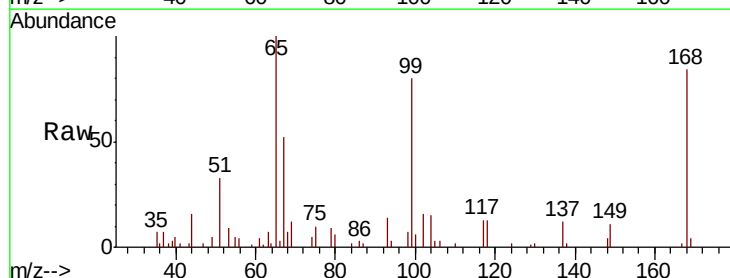
Acq: 11 Dec 2018 22:17

Tgt Ion: 65 Resp: 20257

Ion Ratio Lower Upper

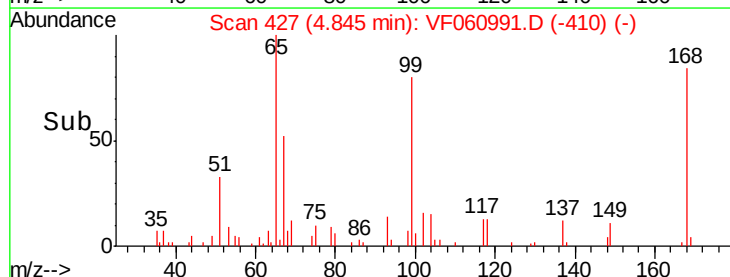
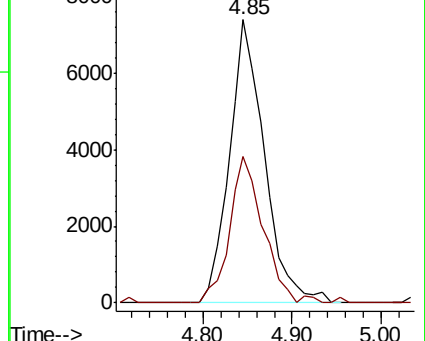
65 100

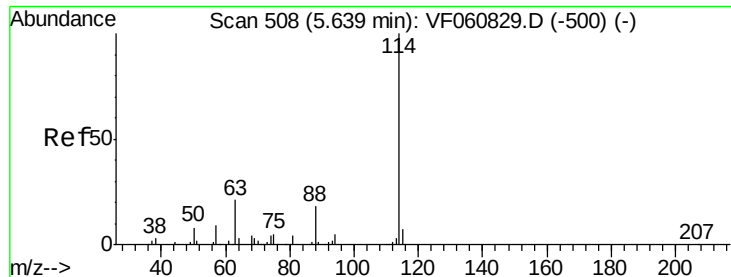
67 51.8 0.0 96.4



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: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF060991.D

Acq: 11 Dec 2018 22:17

Instrument :

MSVOA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

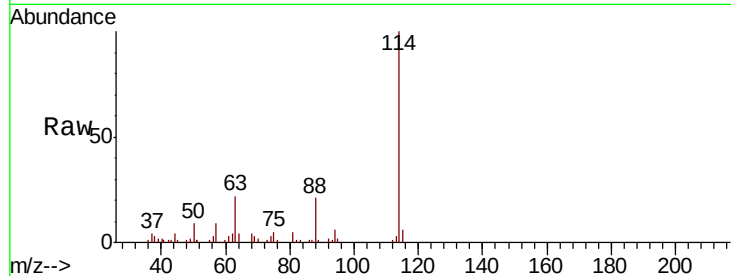
Tot Ion:114 Resp: 86399

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

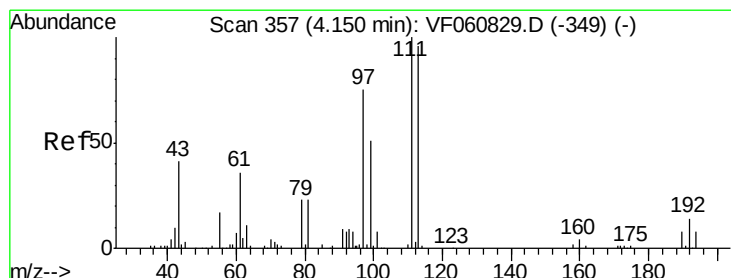
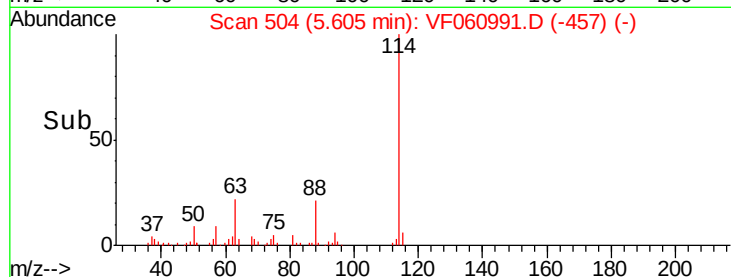
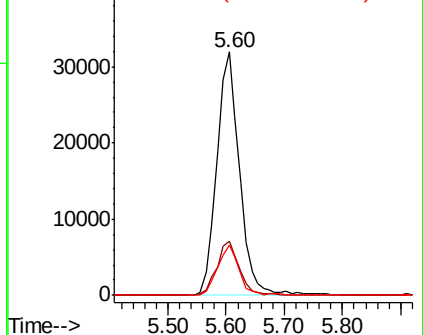
88 20.8 0.0 36.6



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: 35.826 ug/l

RT: 4.12 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF060991.D

Acq: 11 Dec 2018 22:17

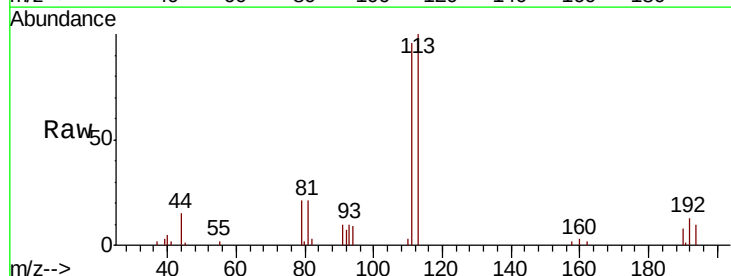
Tgt Ion:113 Resp: 24556

Ion Ratio Lower Upper

113 100

111 96.4 83.0 124.6

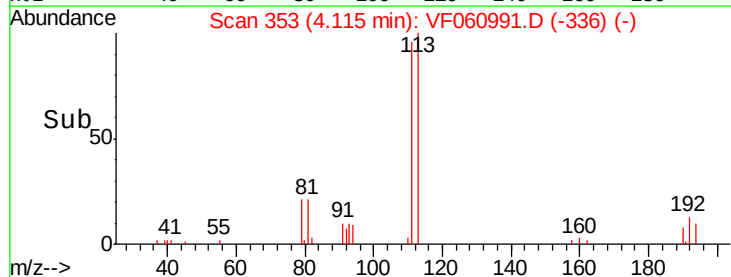
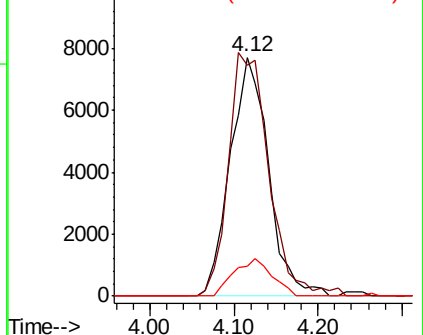
192 12.5 12.3 18.5

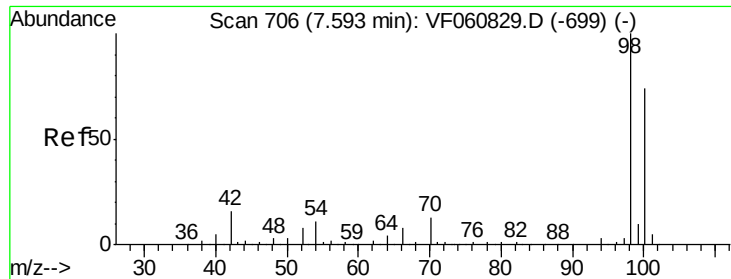


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

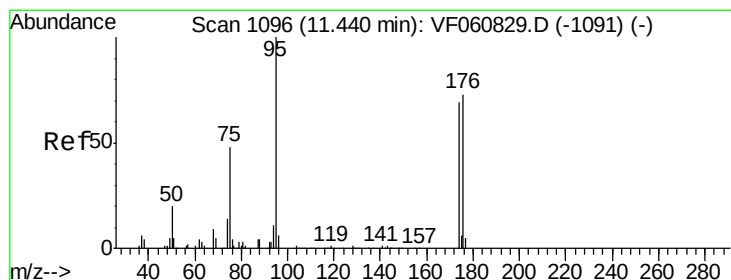
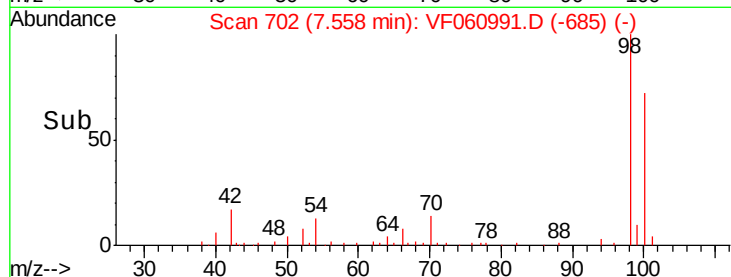
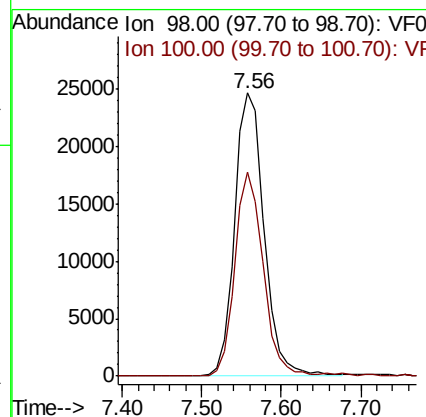
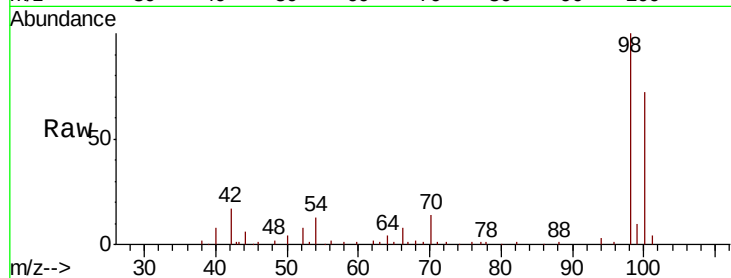




#50
Toluene-d8
Concen: 31.582 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.03 min
Lab File: VF060991.D
Acq: 11 Dec 2018 22:17

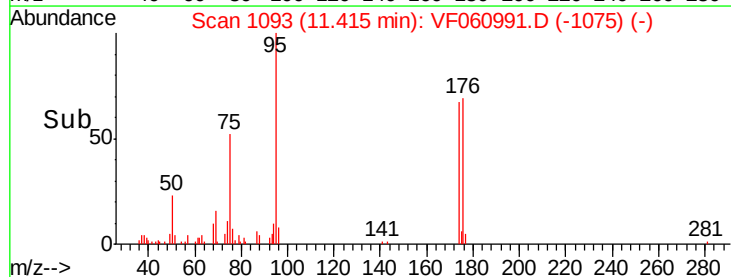
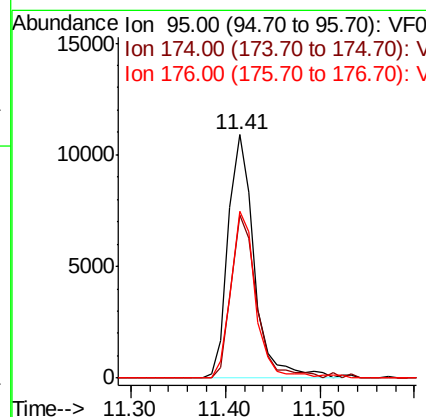
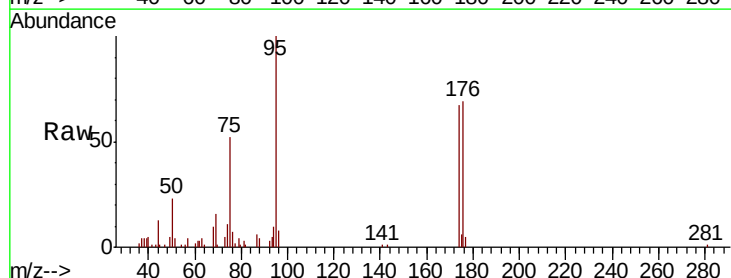
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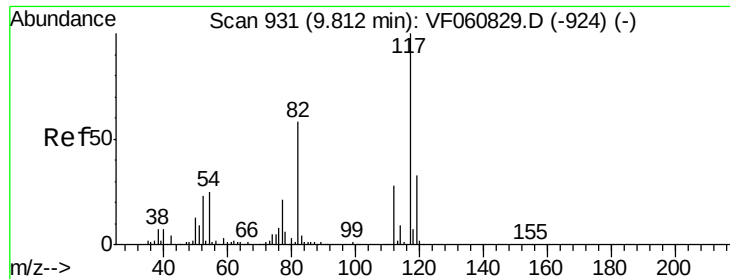
Tot Ion: 98 Resp: 63765
Ion Ratio Lower Upper
98 100
100 71.9 59.3 88.9



#62
4-Bromofluorobenzene
Concen: 22.821 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.02 min
Lab File: VF060991.D
Acq: 11 Dec 2018 22:17

Tgt Ion: 95 Resp: 20941
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.2
176 68.7 0.0 146.2

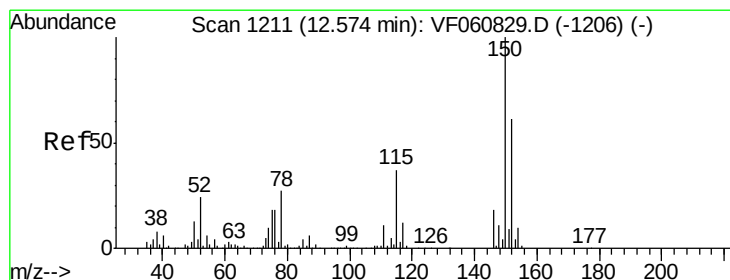
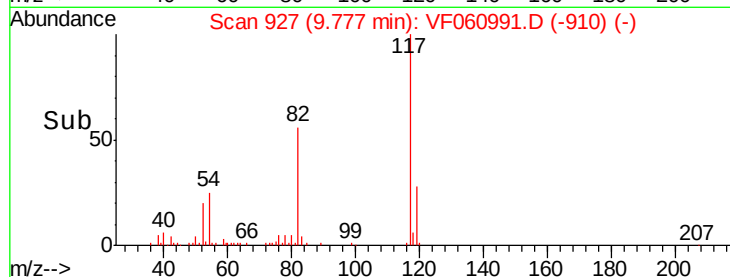
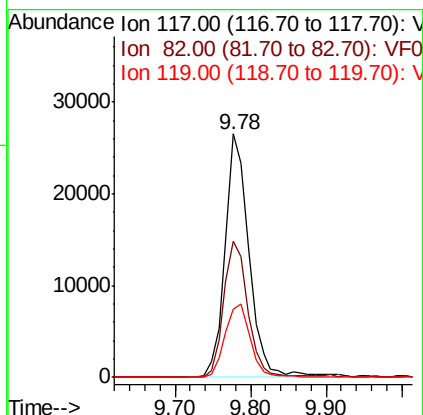
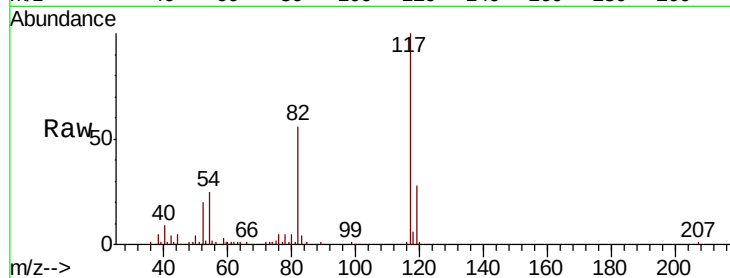




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF060991.D
Acq: 11 Dec 2018 22:17

Instrument :
MSVOA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	69.8
119	28.2	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060991.D
Acq: 11 Dec 2018 22:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	156.6	0.0	327.6

