

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061132.D
 Acq On : 21 Dec 2018 18:10
 Operator : VA/AP
 Sample : J6377-11RE
 Misc : 2.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD004-0006-01RE

Quant Time: Dec 22 00:05:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

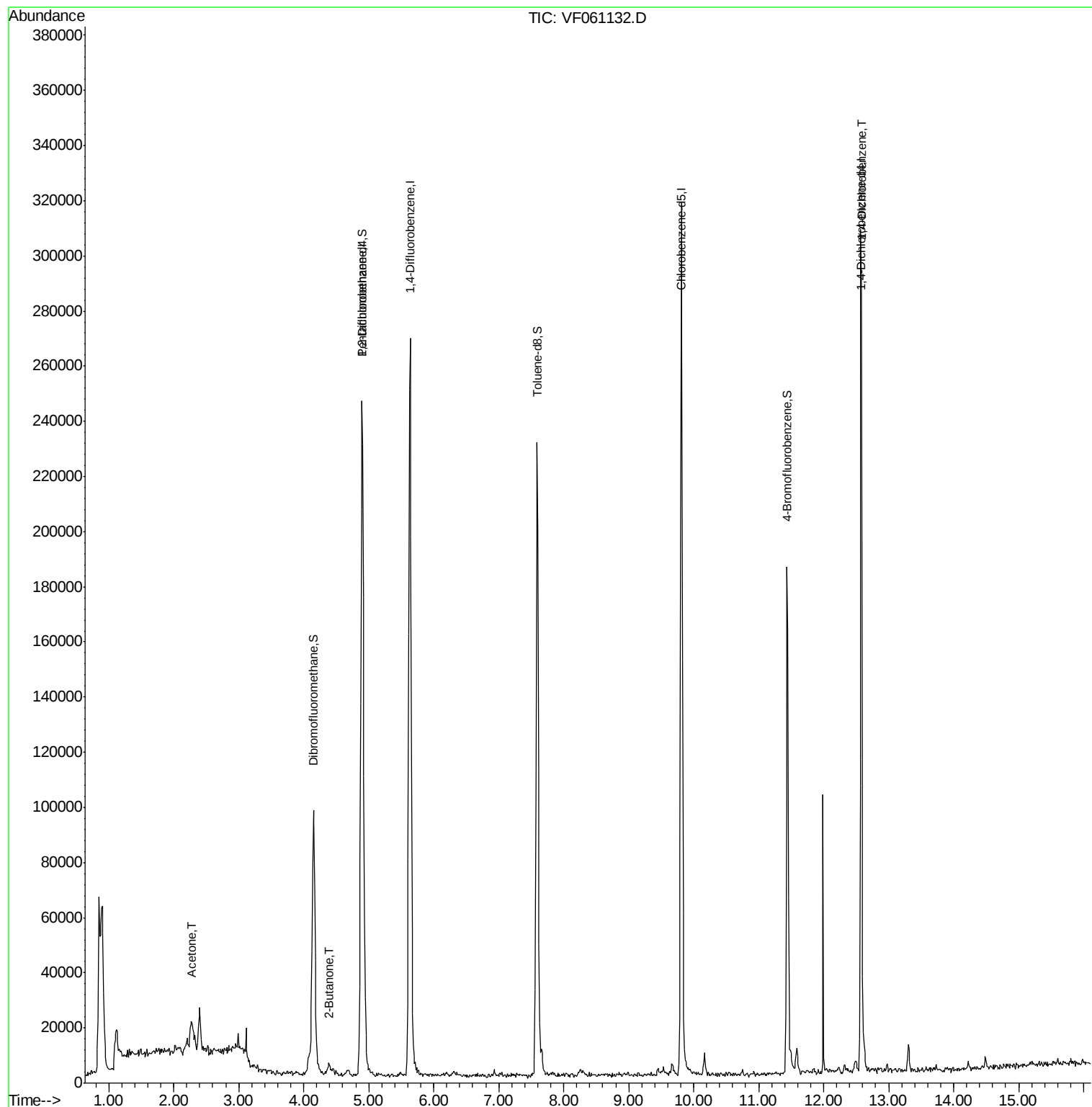
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	178197	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.64	114	295526	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.81	117	220091	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.58	152	79300	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	77339	33.74	ug/l	0.04
Spiked Amount 50.000			Recovery	=	67.48%	
35) Dibromofluoromethane	4.15	113	88291	37.30	ug/l	0.03
Spiked Amount 50.000			Recovery	=	74.60%	
50) Toluene-d8	7.59	98	199230	29.70	ug/l	0.03
Spiked Amount 50.000			Recovery	=	59.40%	
62) 4-Bromofluorobenzene	11.44	95	76043	24.59	ug/l	0.02
Spiked Amount 50.000			Recovery	=	49.18%	
Target Compounds						
16) Acetone	2.27	43	14525	31.702	ug/l	96
25) 2-Butanone	4.38	43	9572	12.882	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	4511	1.670	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.03 min

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ClientSampleId :

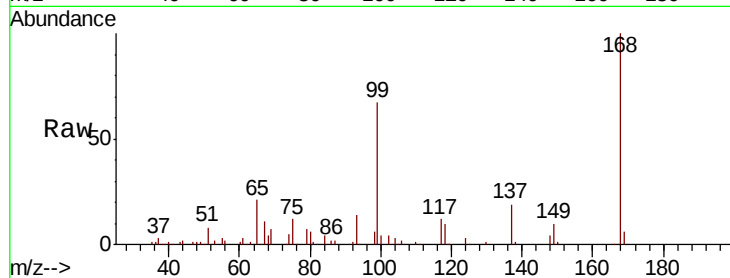
P001-SD004-0006-01RE

Tgt Ion:168 Resp: 178197

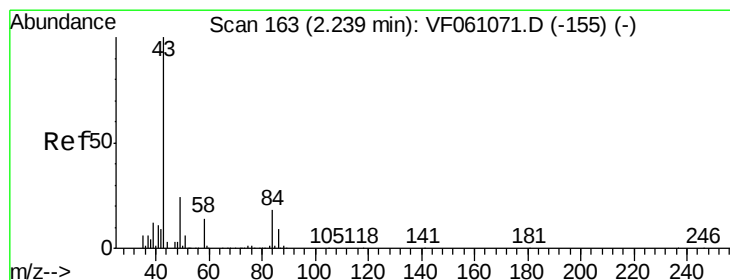
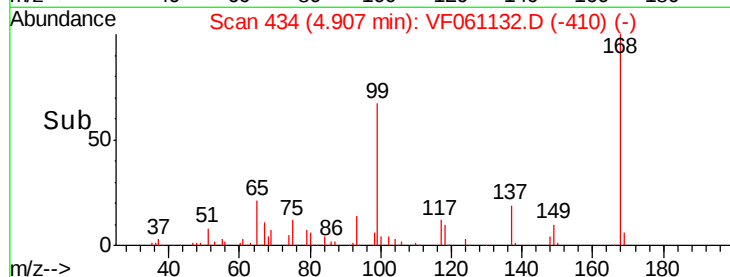
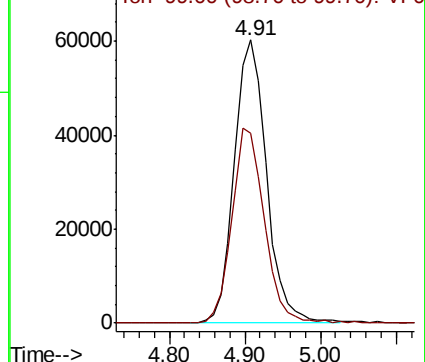
Ion Ratio Lower Upper

168 100

99 67.2 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 31.702 ug/l

RT: 2.27 min Scan# 167

Delta R.T. 0.03 min

Lab File: VF061132.D

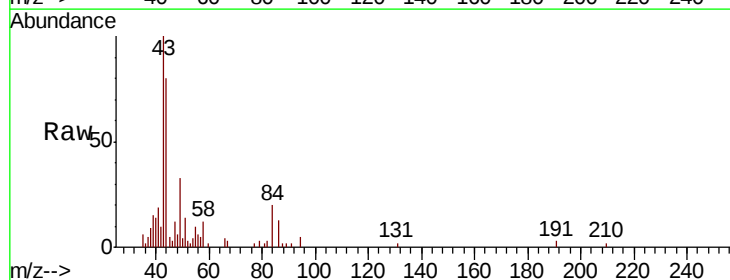
Acq: 21 Dec 2018 18:10

Tgt Ion: 43 Resp: 14525

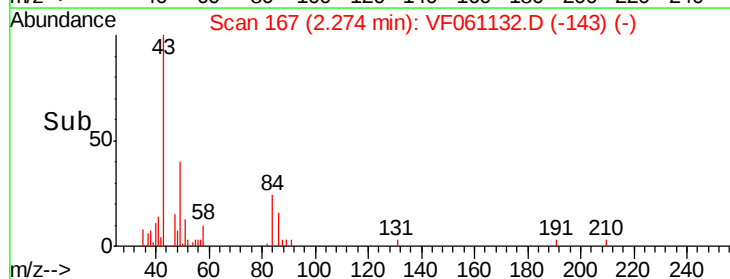
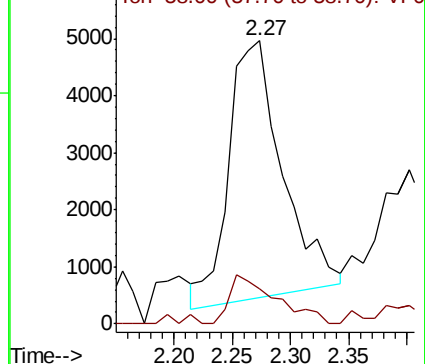
Ion Ratio Lower Upper

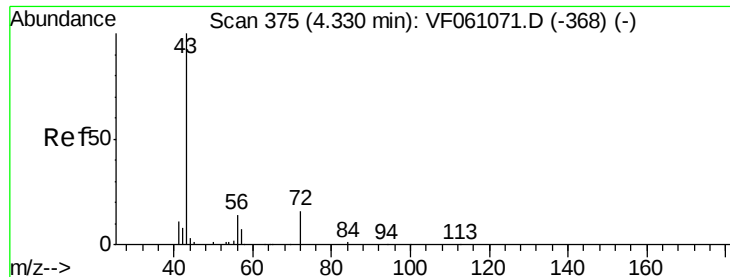
43 100

58 12.4 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0





#25

2-Butanone

Concen: 12.882 ug/l

RT: 4.38 min Scan# 381

Delta R.T. 0.05 min

Lab File: VF061132.D

Acq: 21 Dec 2018 18:10

Instrument :

MSVOA_F

ClientSampleId :

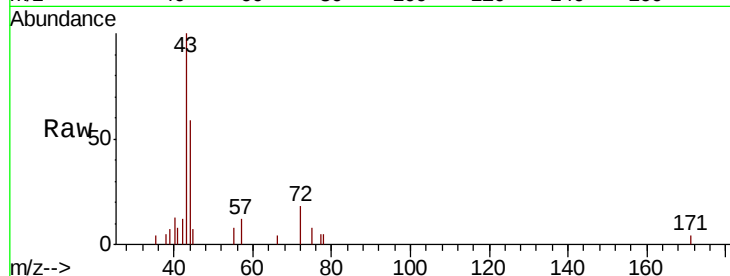
P001-SD004-0006-01RE

Tgt Ion: 43 Resp: 9572

Ion Ratio Lower Upper

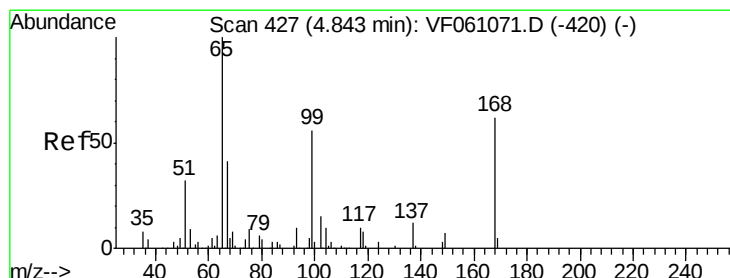
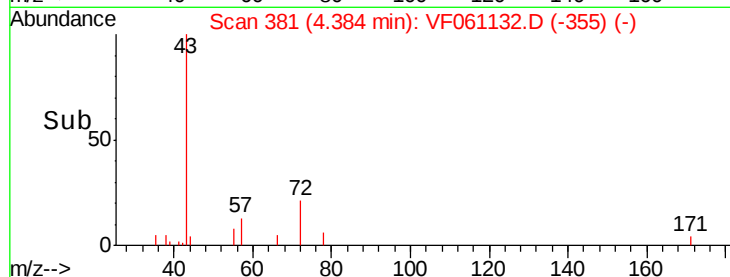
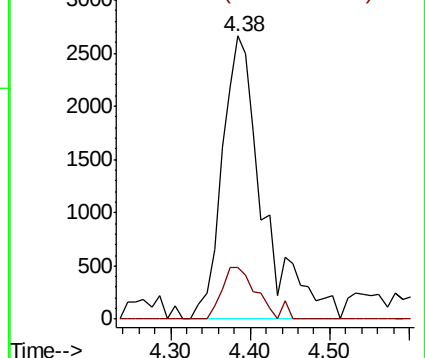
43 100

72 18.3 15.6 23.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 33.744 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.04 min

Lab File: VF061132.D

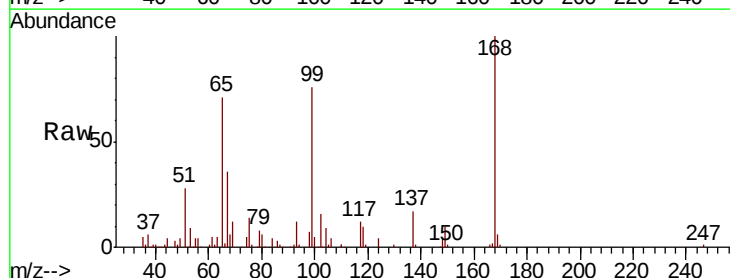
Acq: 21 Dec 2018 18:10

Tgt Ion: 65 Resp: 77339

Ion Ratio Lower Upper

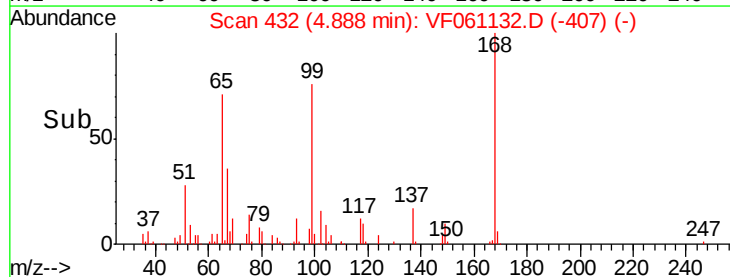
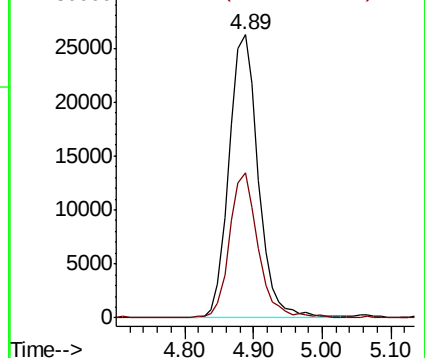
65 100

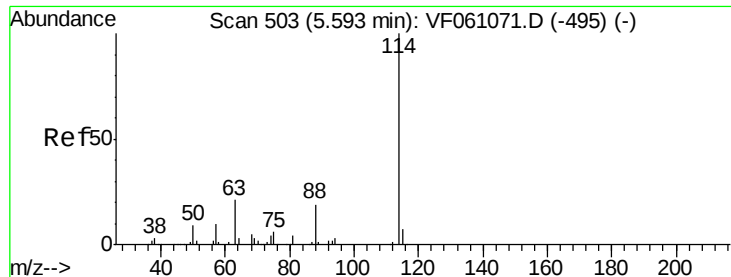
67 51.1 0.0 94.6



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: 5.64 min Scan# 508

Delta R.T. 0.04 min

Lab File: VF061132.D

Acq: 21 Dec 2018 18:10

Instrument :

MSVOA_F

ClientSampleId :

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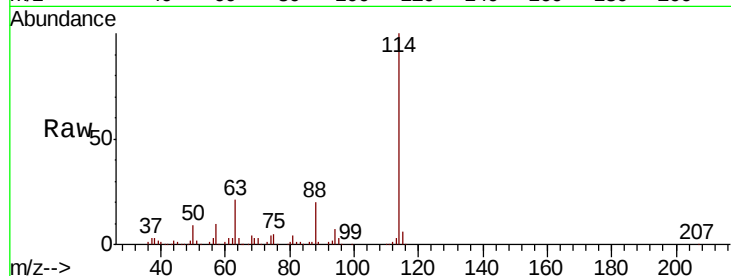
Tgt Ion:114 Resp: 29526

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

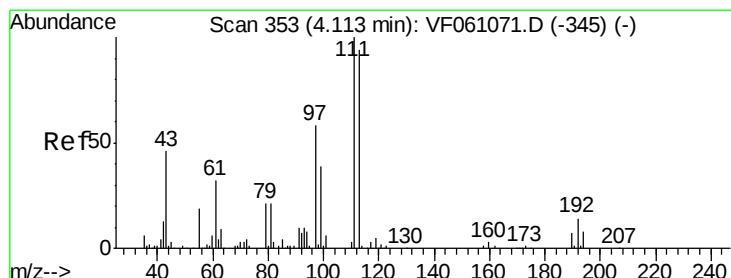
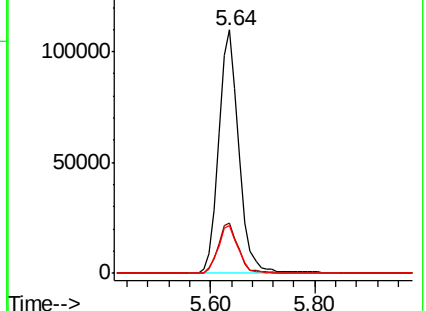
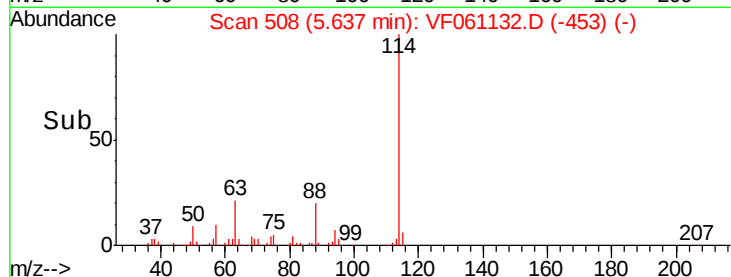
88 19.6 0.0 38.0



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: 37.296 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.03 min

Lab File: VF061132.D

Acq: 21 Dec 2018 18:10

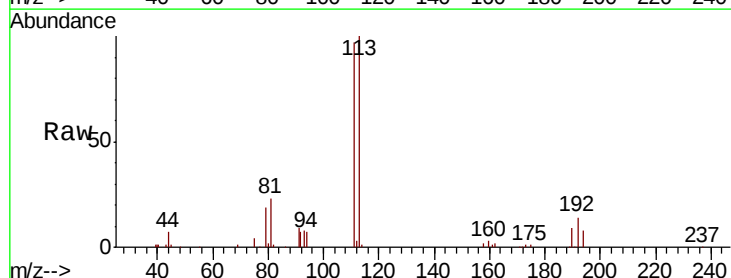
Tgt Ion:113 Resp: 88291

Ion Ratio Lower Upper

113 100

111 96.6 85.2 127.8

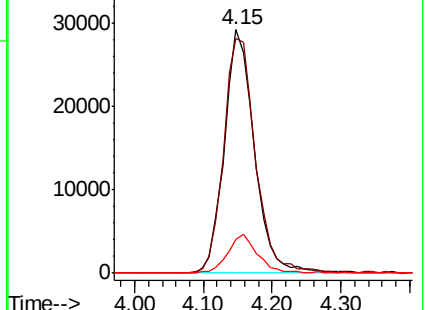
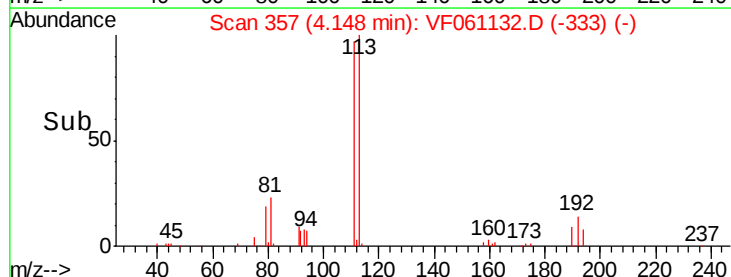
192 13.7 12.8 19.2

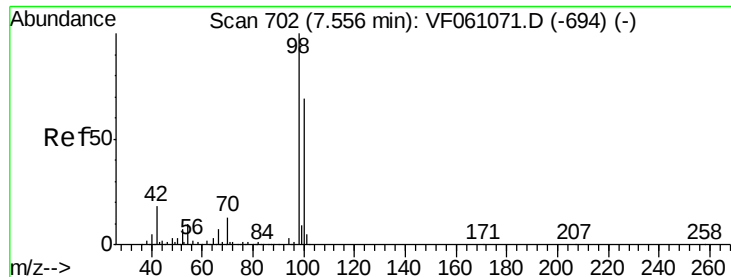


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

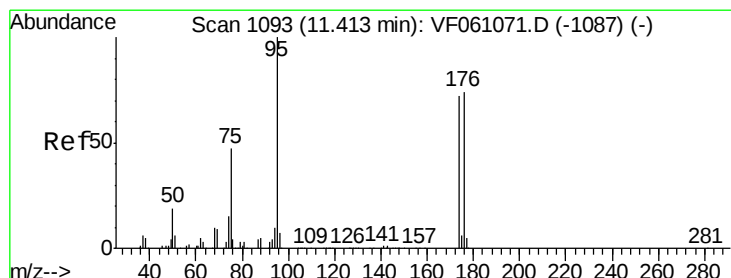
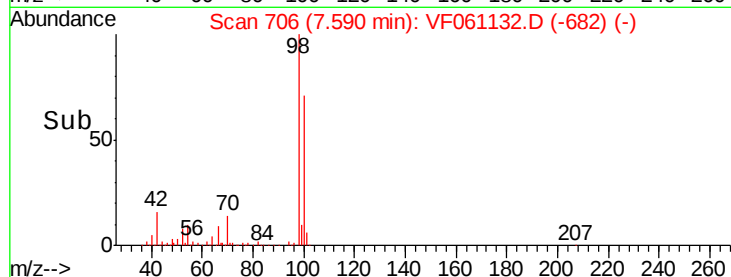
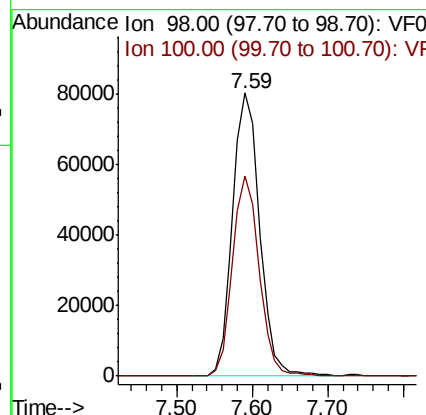
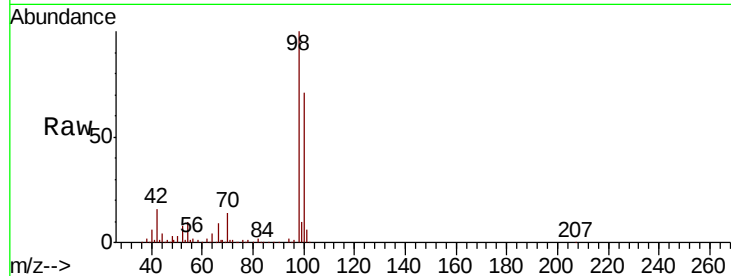




#50
Toluene-d8
Concen: 29.697 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.03 min
Lab File: VF061132.D
Acq: 21 Dec 2018 18:10

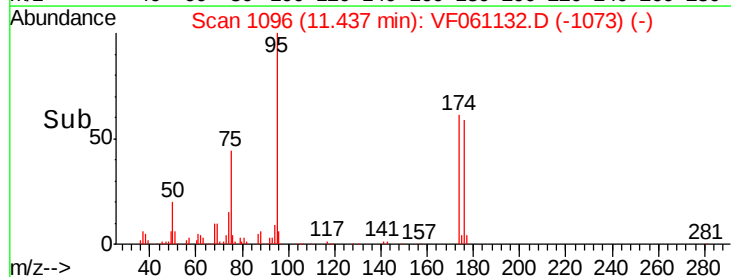
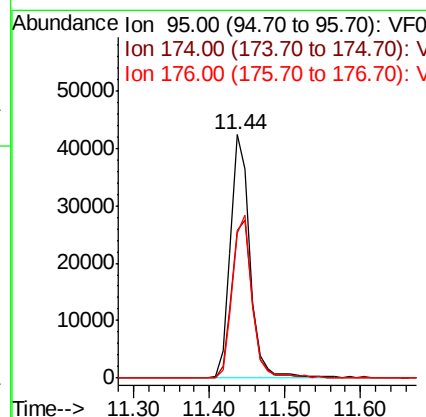
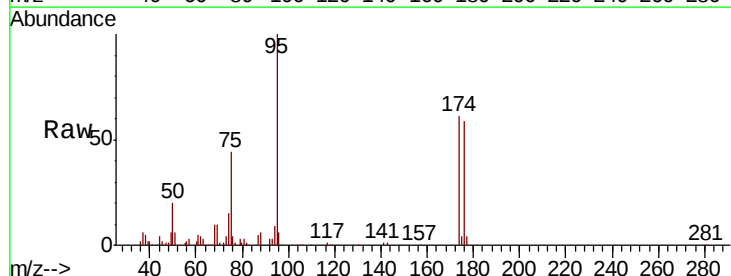
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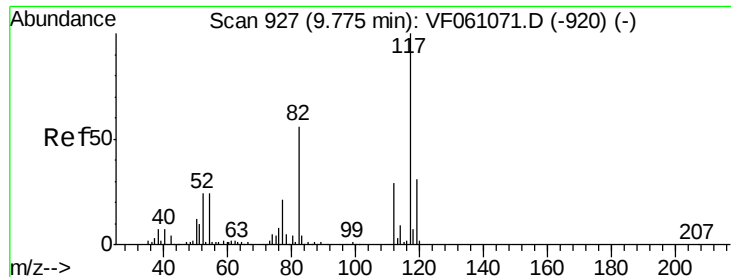
Tgt Ion: 98 Resp: 199230
Ion Ratio Lower Upper
98 100
100 70.5 55.3 82.9



#62
4-Bromofluorobenzene
Concen: 24.587 ug/l
RT: 11.44 min Scan# 1096
Delta R.T. 0.02 min
Lab File: VF061132.D
Acq: 21 Dec 2018 18:10

Tgt Ion: 95 Resp: 76043
Ion Ratio Lower Upper
95 100
174 60.7 0.0 143.8
176 59.4 0.0 147.6

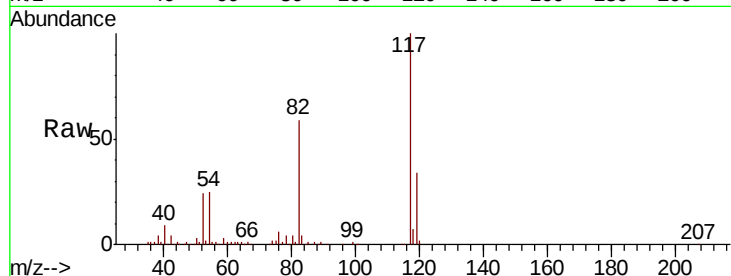




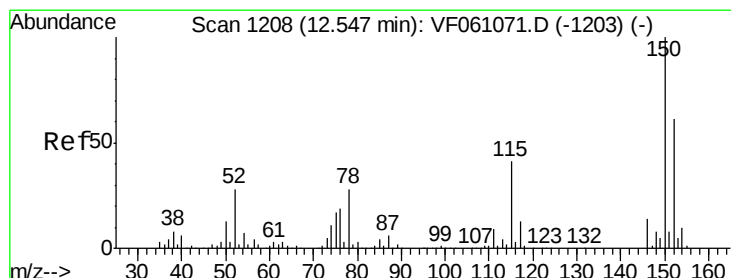
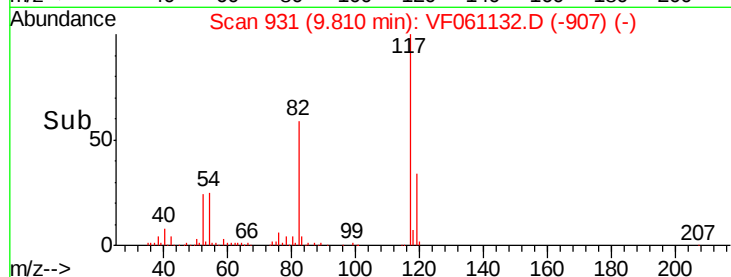
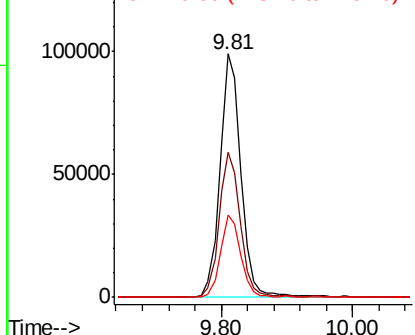
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.03 min
Lab File: VF061132.D
Acq: 21 Dec 2018 18:10

Instrument :
MSVOA_F
ClientSampleId :
P001-SD004-0006-01RE

Tgt Ion:117 Resp: 220091
Ion Ratio Lower Upper
117 100
82 59.4 45.0 67.4
119 34.0 24.8 37.2

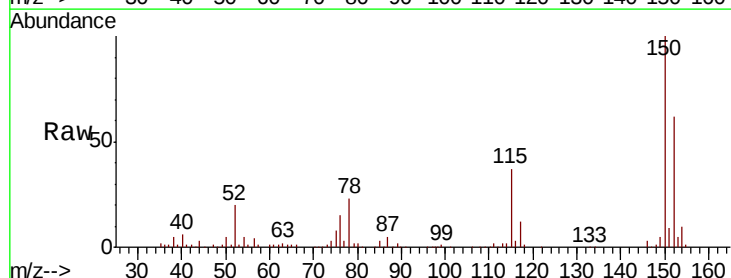


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

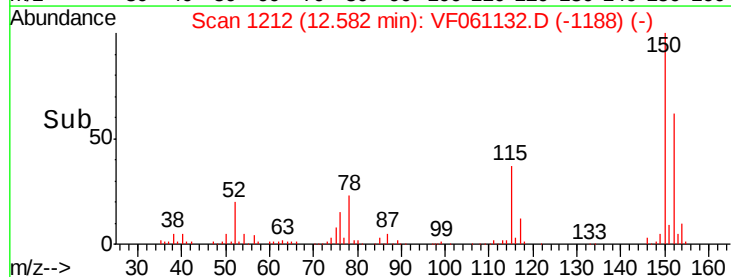
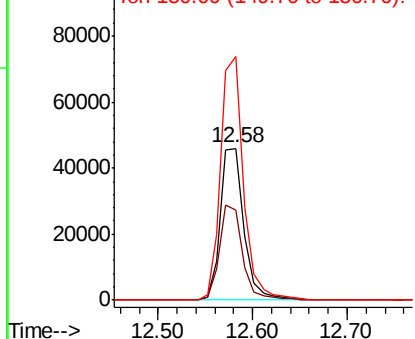


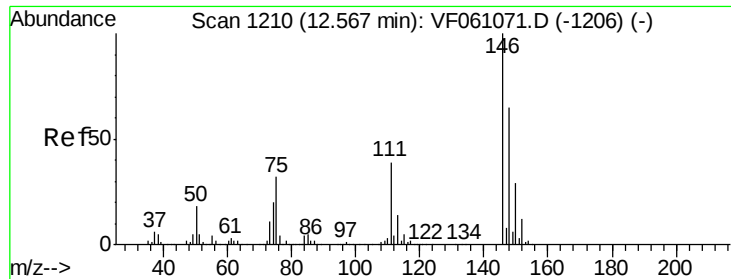
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1212
Delta R.T. 0.03 min
Lab File: VF061132.D
Acq: 21 Dec 2018 18:10

Tgt Ion:152 Resp: 79300
Ion Ratio Lower Upper
152 100
115 59.4 33.3 99.9
150 160.3 0.0 328.2



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





#88

1,4-Dichlorobenzene

Concen: 1.670 ug/l

RT: 12.59 min Scan# 1213

Delta R.T. 0.02 min

Lab File: VF061132.D

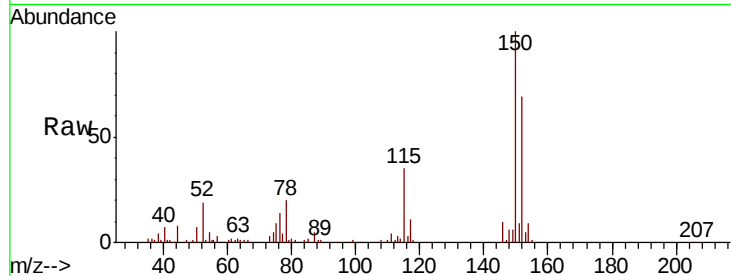
Acq: 21 Dec 2018 18:10

Instrument :

MSVOA_F

ClientSampleId :

P001-SD004-0006-01RE



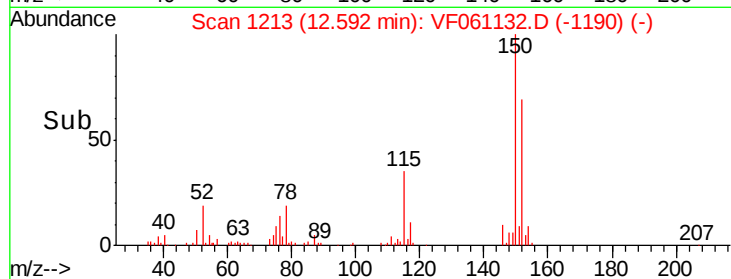
Tgt Ion:146 Resp: 4511

Ion Ratio Lower Upper

146 100

111 41.0 19.4 58.4

148 64.1 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

