

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060976.D
 Acq On : 11 Dec 2018 15:05
 Operator : VA/AP
 Sample : J6196-05RE
 Misc : 5.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-120718-CRE

Quant Time: Dec 12 06:48:32 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

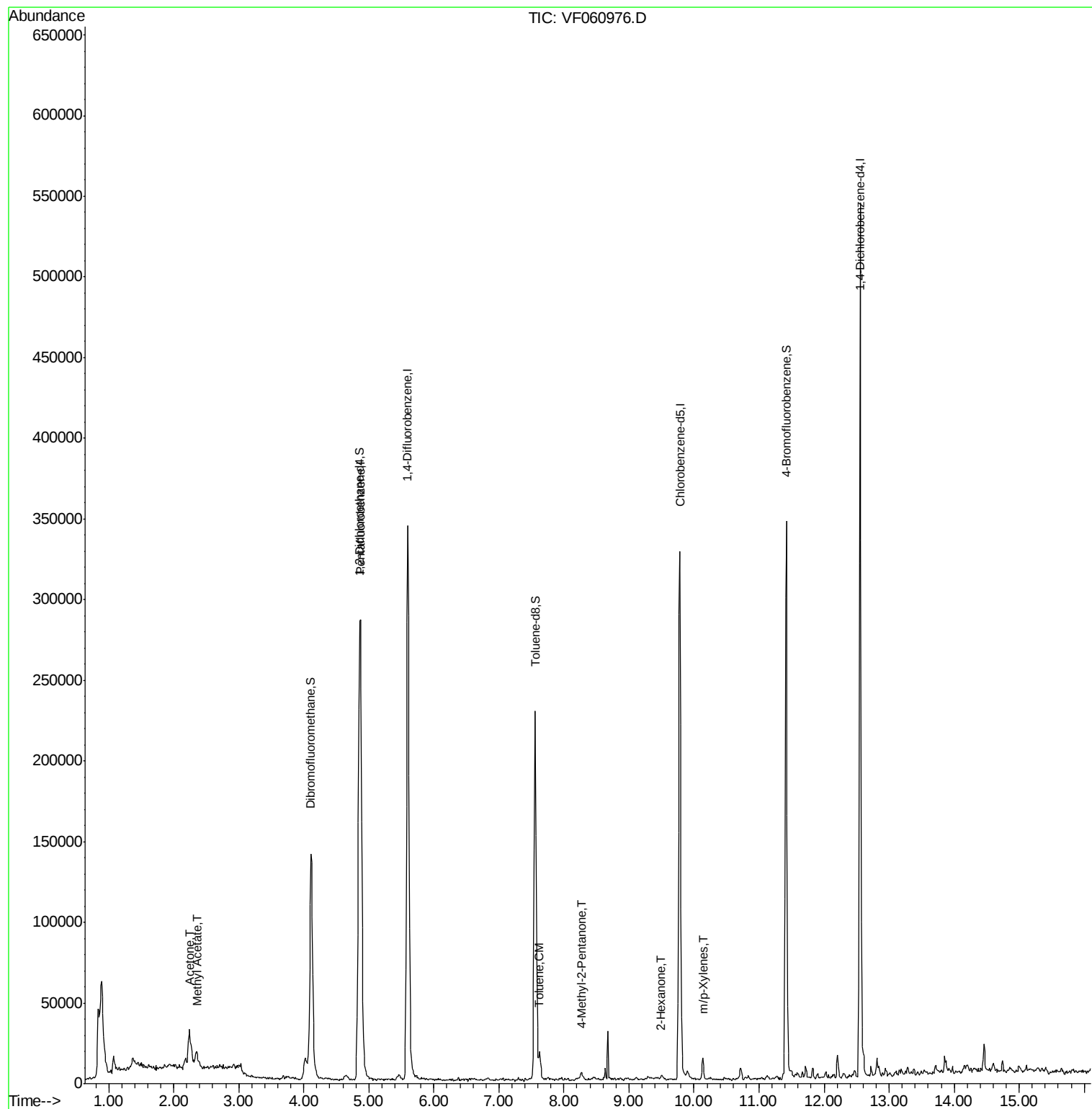
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	217068	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	371527	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	230357	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	131816	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	111163	43.47	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.94%	
35) Dibromofluoromethane	4.11	113	132594	44.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	89.98%	
50) Toluene-d8	7.56	98	197644	22.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	45.52%	
62) 4-Bromofluorobenzene	11.42	95	133194	33.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	67.50%	
Target Compounds						
16) Acetone	2.25	43	39769	84.337	ug/l	94
18) Methyl Acetate	2.34	43	16235	19.515	ug/l	97
51) 4-Methyl-2-Pentanone	8.27	43	5174	3.350	ug/l	89
52) Toluene	7.63	92	7662	1.198	ug/l	88
59) 2-Hexanone	9.50	43	3551	3.278	ug/l	66
68) m/p-Xylenes	10.14	106	4372	1.457	ug/l	98

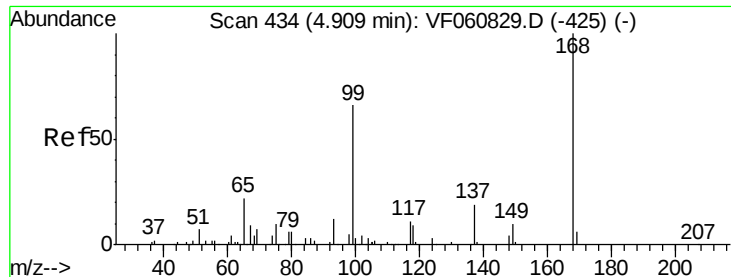
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
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: VF060976.D

Acq: 11 Dec 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

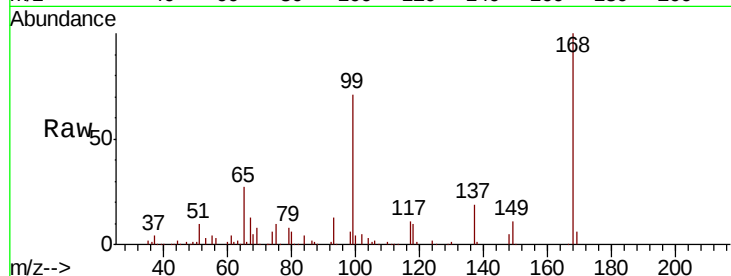
EO-03-120718-CRE

Tot Ion:168 Resp: 217068

Ion Ratio Lower Upper

168 100

99 71.3 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

80000

60000

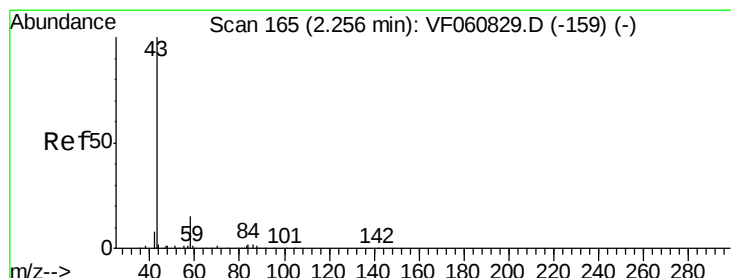
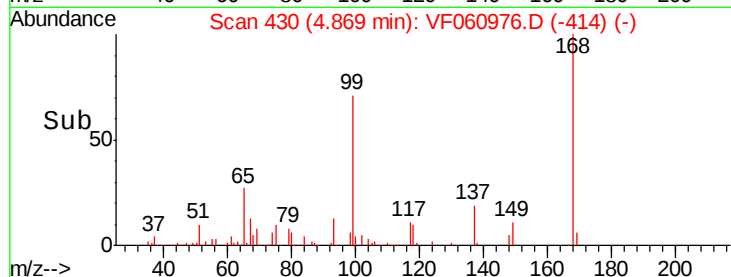
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 84.337 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060976.D

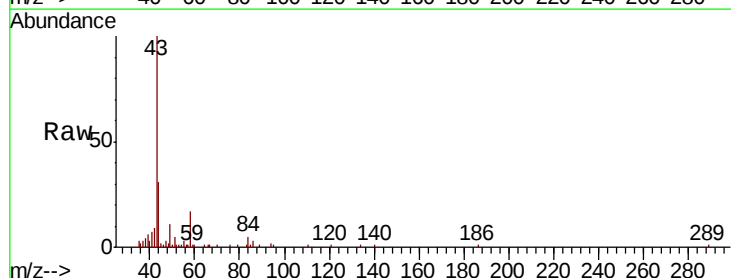
Acq: 11 Dec 2018 15:05

Tgt Ion: 43 Resp: 39769

Ion Ratio Lower Upper

43 100

58 16.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

15000

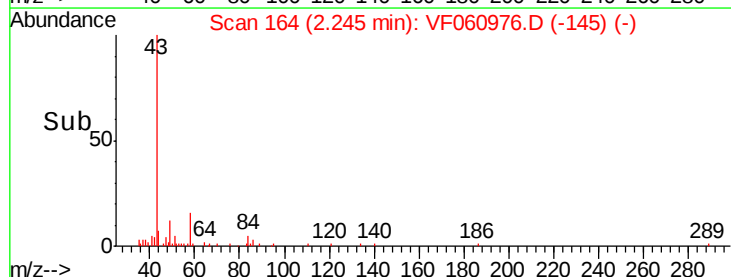
10000

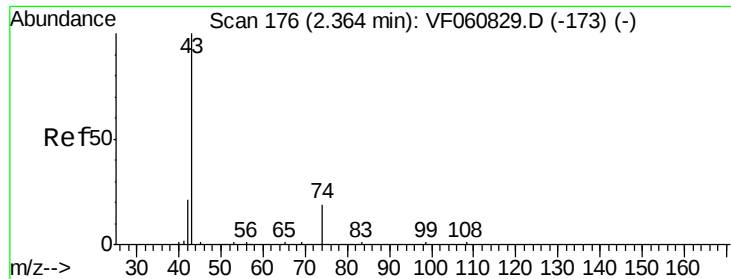
5000

0

Time-->

2.10 2.20 2.30

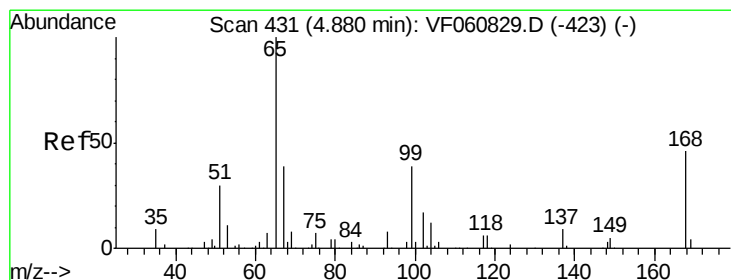
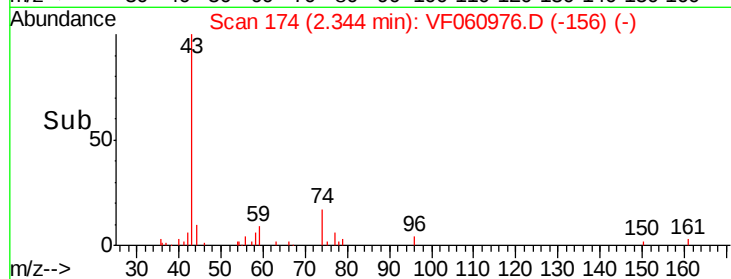
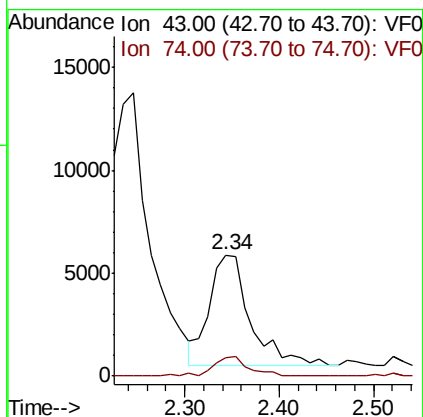
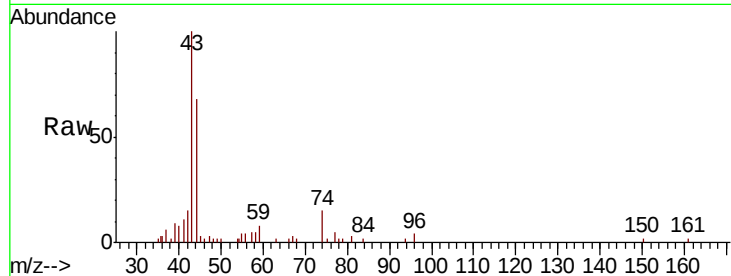




#18
Methvl Acetate
Concen: 19.515 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF060976.D
Acq: 11 Dec 2018 15:05

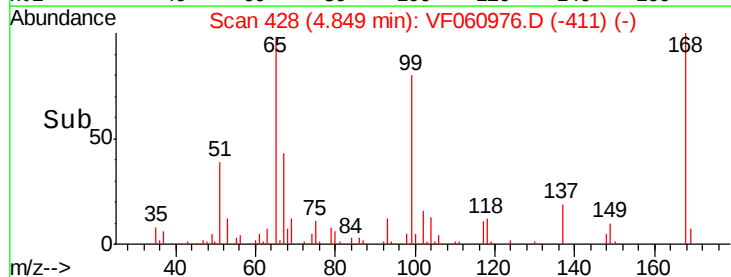
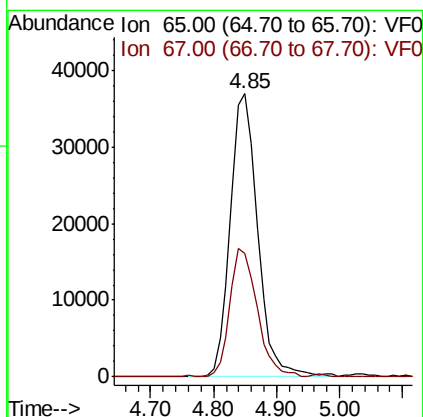
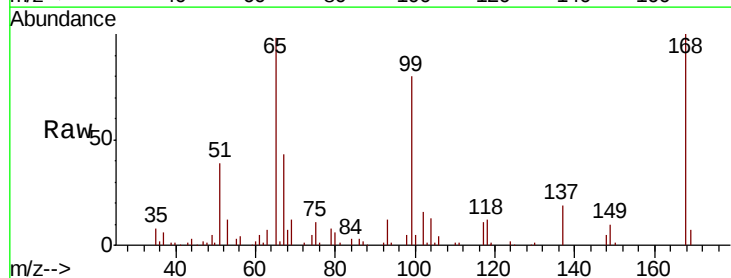
Instrument :
MSVOA_F
ClientSampleId :
EO-03-120718-CRE

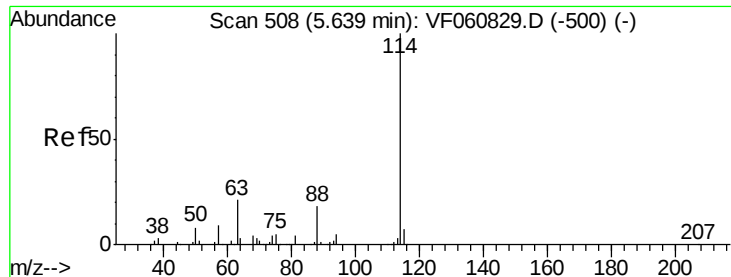
Tot Ion: 43 Resp: 16235
Ion Ratio Lower Upper
43 100
74 15.5 13.3 19.9



#33
1,2-Dichloroethane-d4
Concen: 43.472 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF060976.D
Acq: 11 Dec 2018 15:05

Tgt Ion: 65 Resp: 111163
Ion Ratio Lower Upper
65 100
67 43.6 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

EO-03-120718-CRE

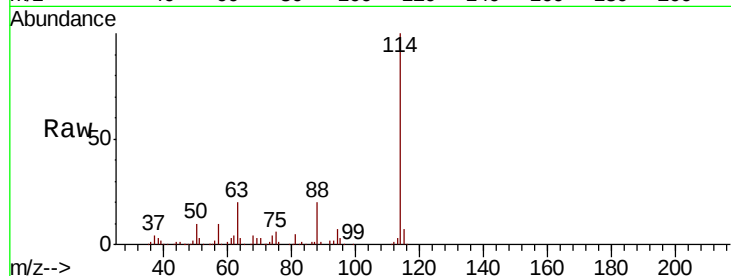
Tot Ion:114 Resp: 371527

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

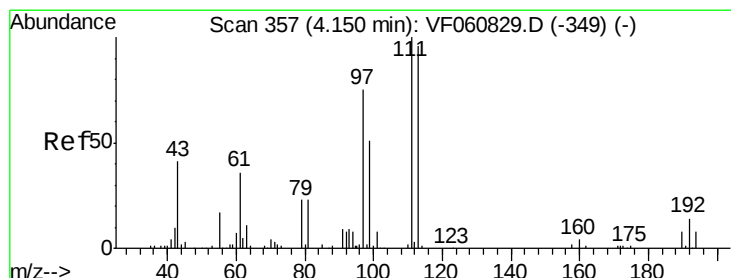
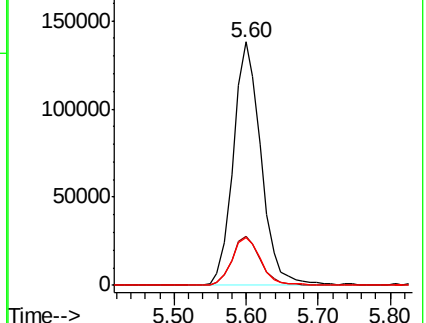
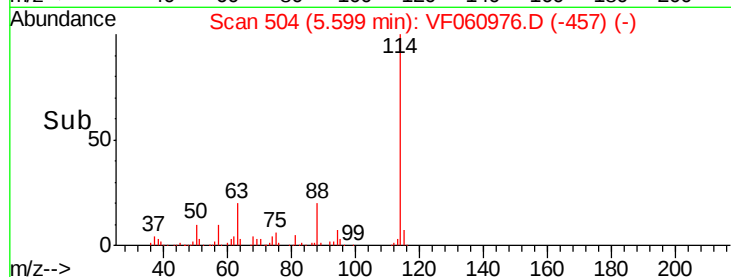
88 19.7 0.0 36.6



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: 44.986 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

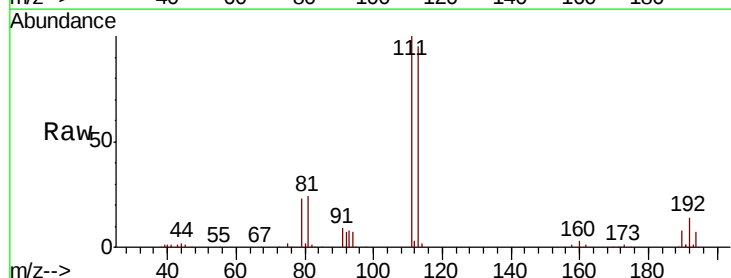
Tgt Ion:113 Resp: 132594

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.6

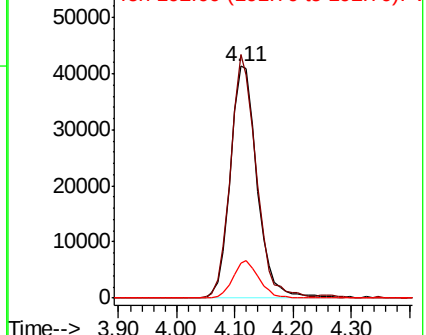
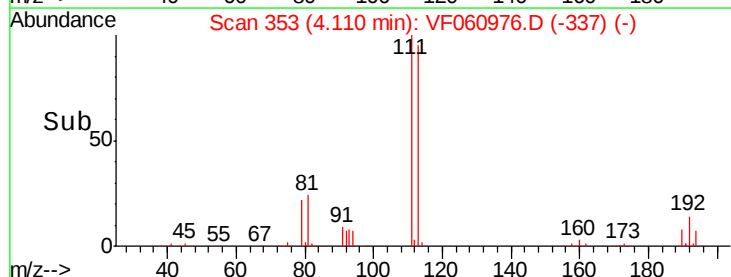
192 15.0 12.3 18.5

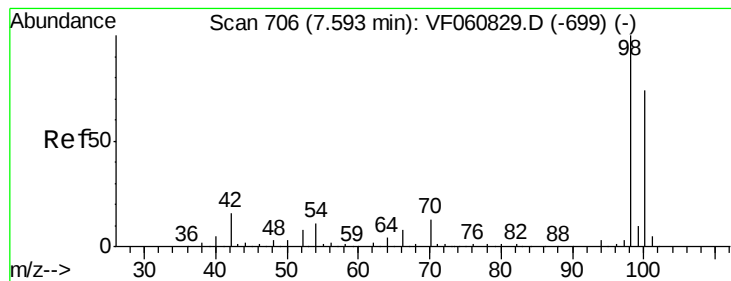


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 22.764 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

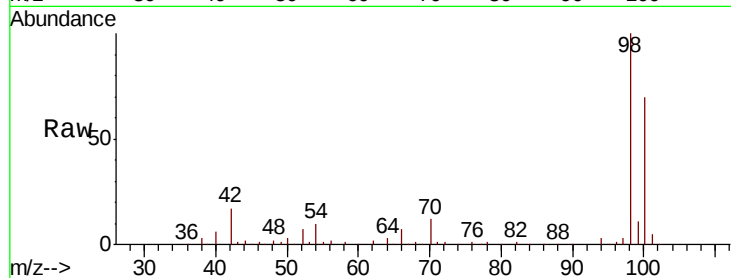
EO-03-120718-CRE

Tot Ion: 98 Resp: 197644

Ion Ratio Lower Upper

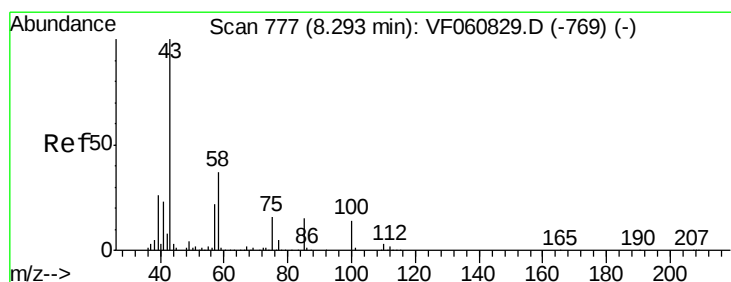
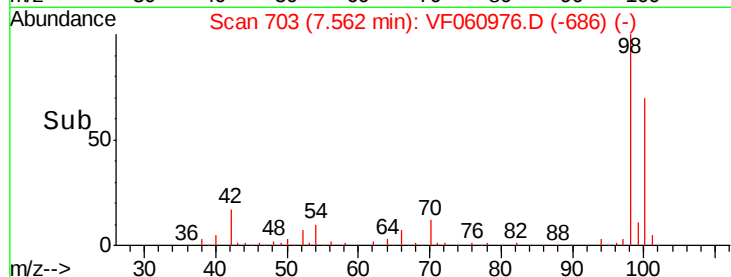
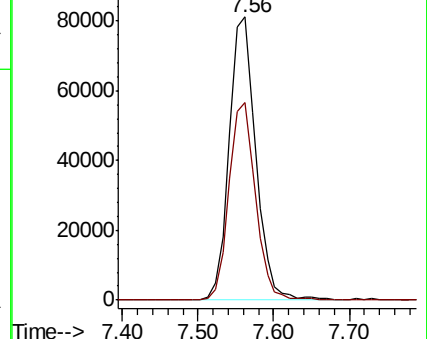
98 100

100 69.8 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 3.350 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060976.D

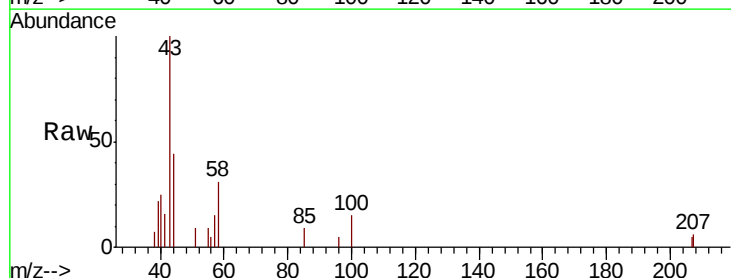
Acq: 11 Dec 2018 15:05

Tgt Ion: 43 Resp: 5174

Ion Ratio Lower Upper

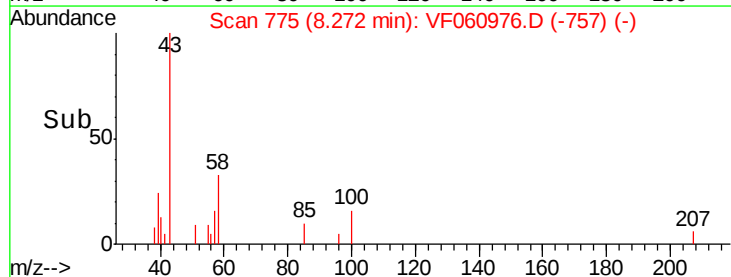
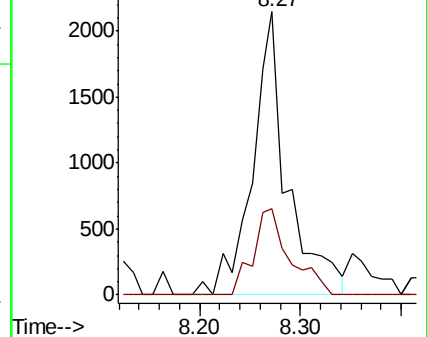
43 100

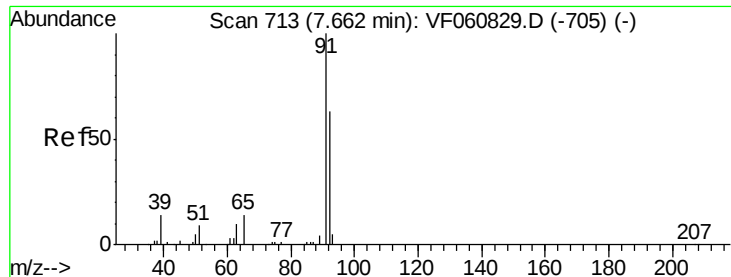
58 30.6 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 1.198 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

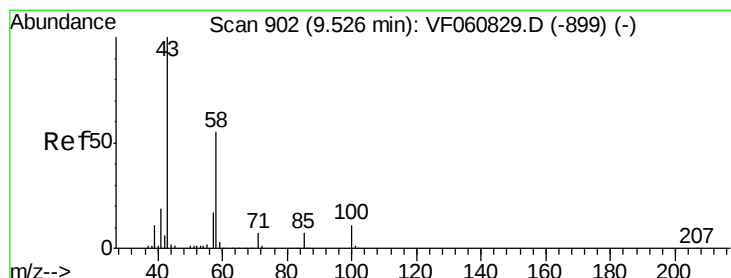
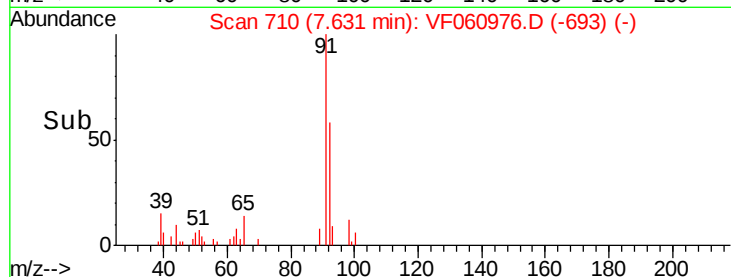
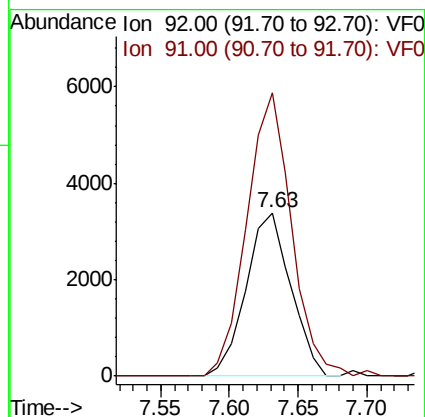
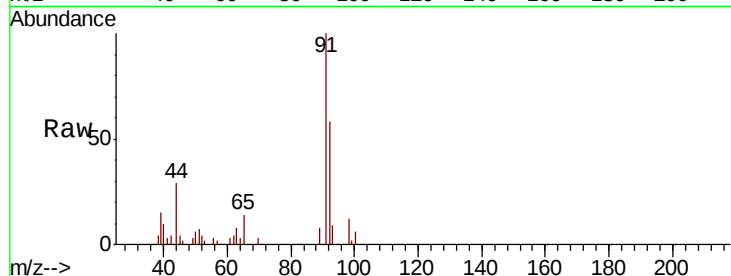
EO-03-120718-CRE

Tot Ion: 92 Resp: 7662

Ion Ratio Lower Upper

92 100

91 173.5 126.2 189.2



#59

2-Hexanone

Concen: 3.278 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.03 min

Lab File: VF060976.D

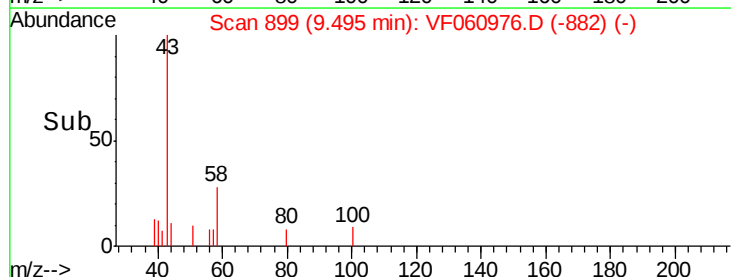
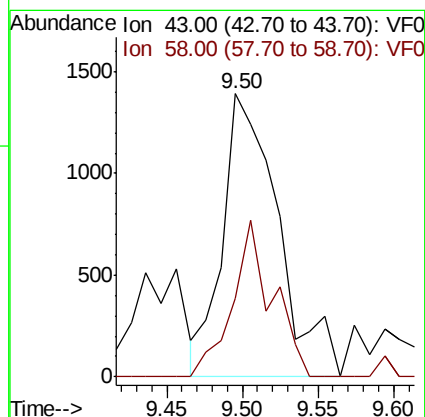
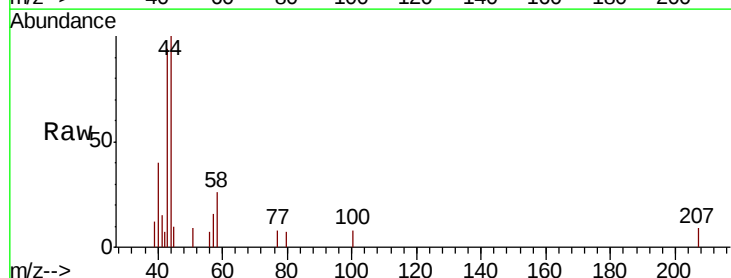
Acq: 11 Dec 2018 15:05

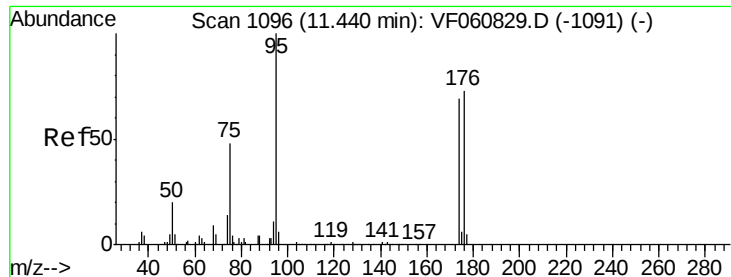
Tgt Ion: 43 Resp: 3551

Ion Ratio Lower Upper

43 100

58 27.6 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 33.755 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

Instrument :

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ClientSampleId :

EO-03-120718-CRE

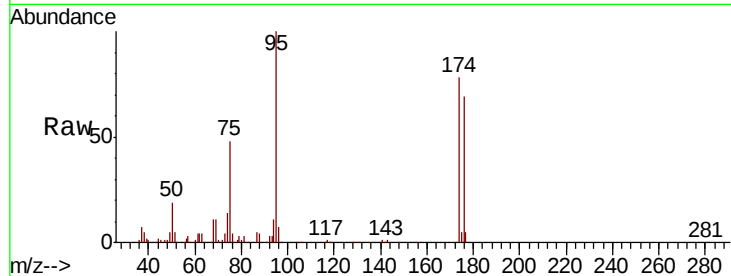
Tot Ion: 95 Resp: 133194

Ion Ratio Lower Upper

95 100

174 77.6 0.0 138.2

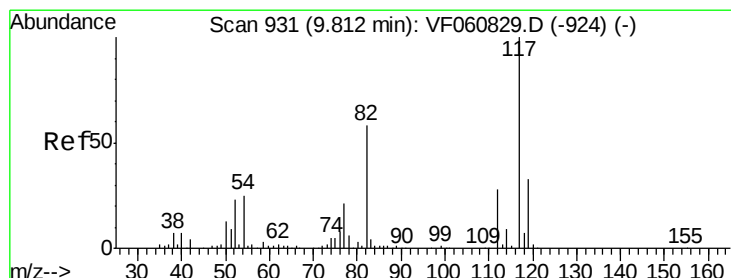
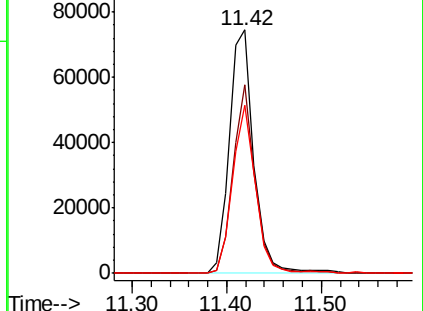
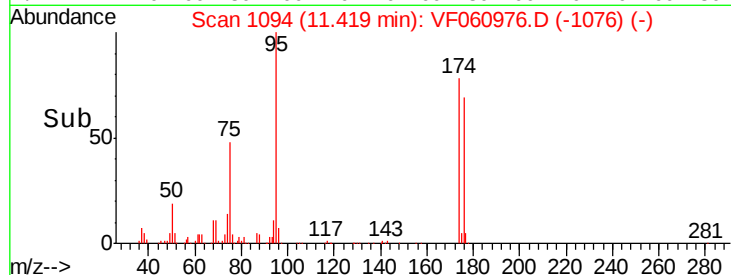
176 69.3 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.03 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

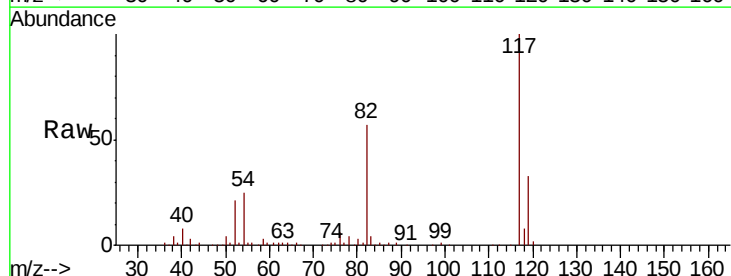
Tgt Ion: 117 Resp: 230357

Ion Ratio Lower Upper

117 100

82 56.6 46.6 69.8

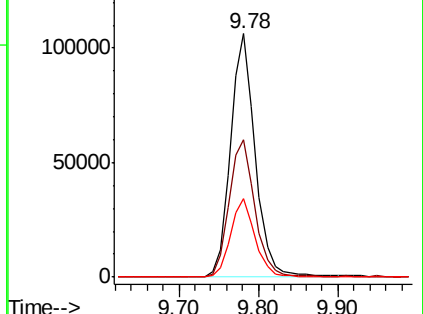
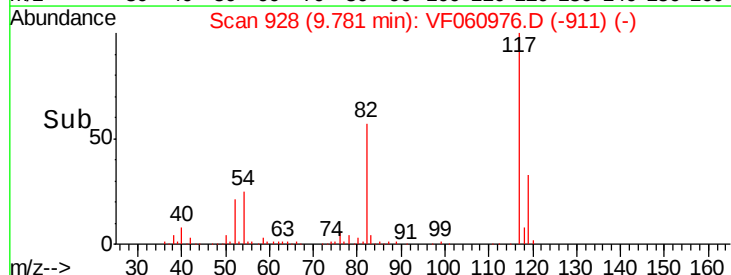
119 32.5 26.4 39.6

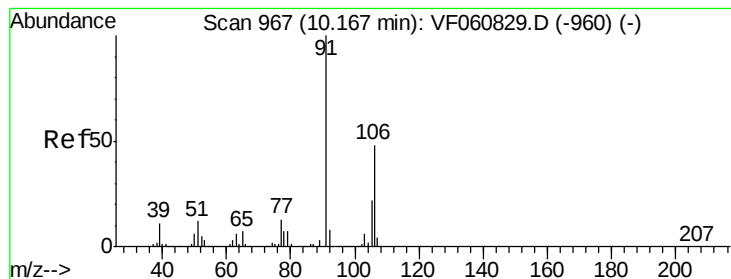


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xvlenes

Concen: 1.457 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

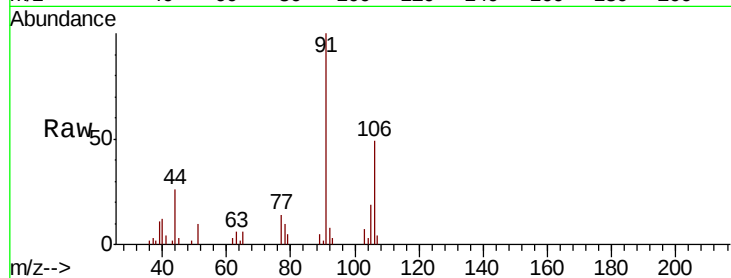
EO-03-120718-CRE

Tot Ion:106 Resp: 4372

Ion Ratio Lower Upper

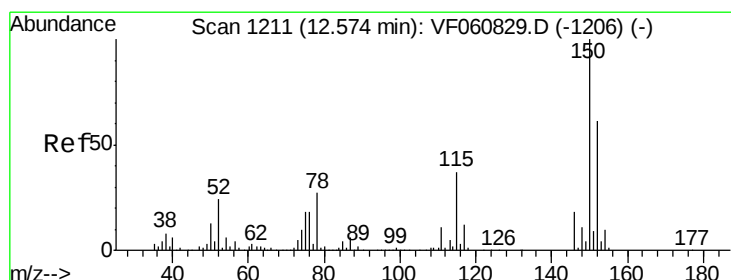
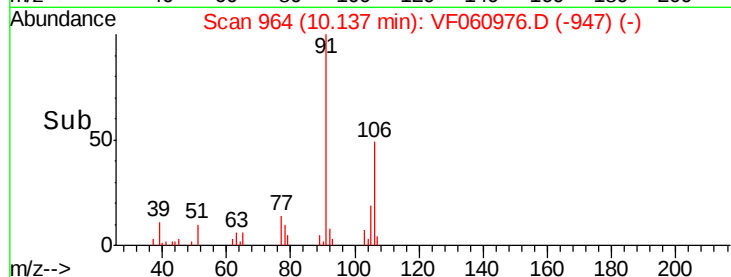
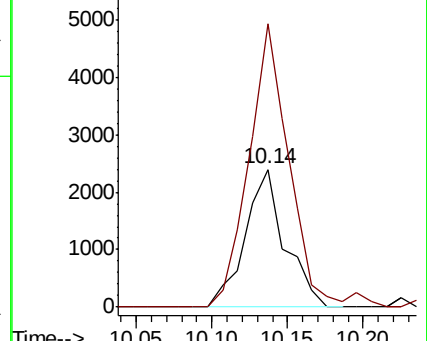
106 100

91 205.9 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060976.D

Acq: 11 Dec 2018 15:05

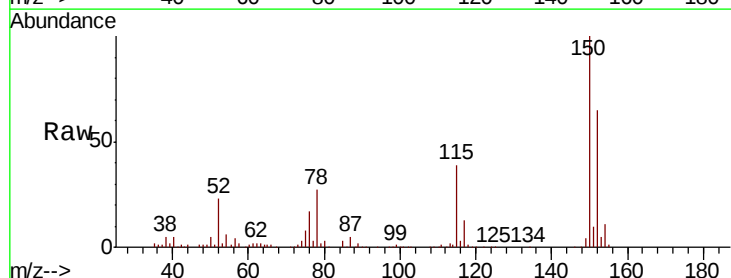
Tgt Ion:152 Resp: 131816

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.5

150 153.1 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

