

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061114.D
 Acq On : 20 Dec 2018 18:09
 Operator : VA/AP
 Sample : J6377-15
 Misc : 3.38g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0006-01

Manual Integrations
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Quant Time: Dec 21 08:04:20 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	4.88	168	169325	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	290180	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	201934	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	61407	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	92187	42.33	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.66%	
35) Dibromofluoromethane	4.12	113	100629	43.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	86.58%	
50) Toluene-d8	7.57	98	218261	33.13	ug/l	0.01
Spiked Amount 50.000			Recovery	=	66.26%	
62) 4-Bromofluorobenzene	11.41	95	66692	21.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	43.92%	
Target Compounds						
16) Acetone	2.24	43	33659m	77.312	ug/l	Qvalue
25) 2-Butanone	4.35	43	21005	29.749	ug/l	95
40) Benzene	4.65	78	15473	2.054	ug/l	92
52) Toluene	7.63	92	6330	1.270	ug/l	90
68) m/p-Xylenes	10.14	106	9463	3.538	ug/l	94
88) 1,4-Dichlorobenzene	12.57	146	7005	3.349	ug/l	96

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

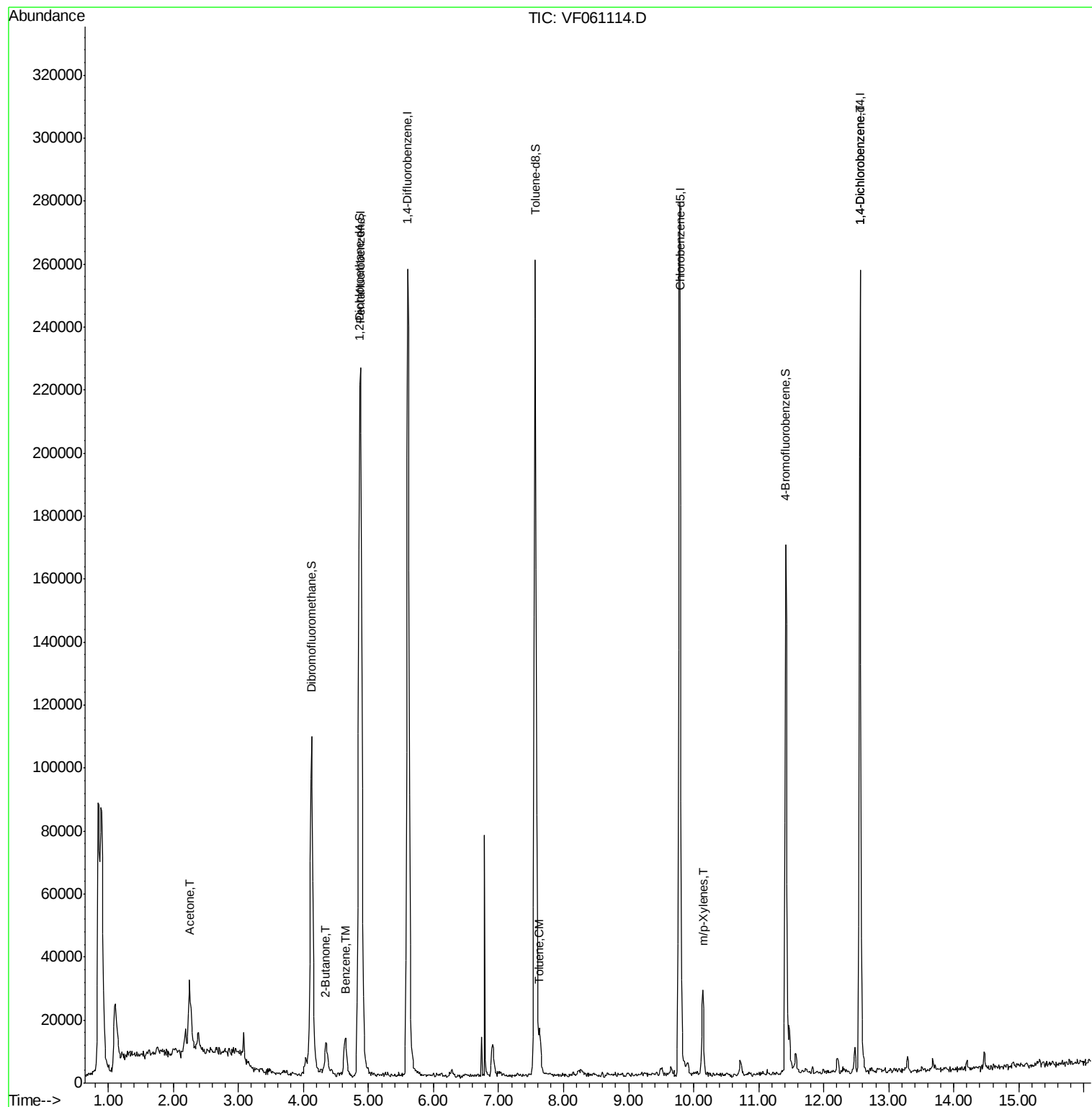
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061114.D
Acq On : 20 Dec 2018 18:09
Operator : VA/AP
Sample : J6377-15
Misc : 3.38g/5mL/MSVOA-F/SOIL
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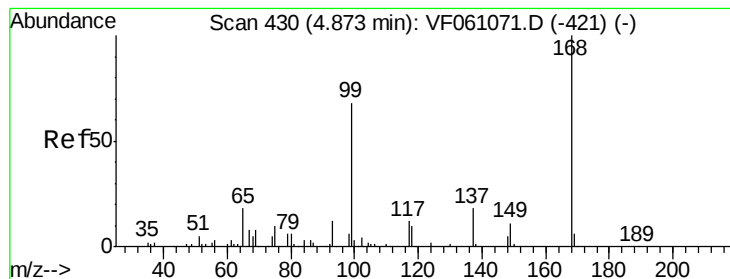
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0006-01

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Quant Time: Dec 21 08:04:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0006-01

Tot Ion:168 Resp: 169325

Ion Ratio Lower Upper

168 100

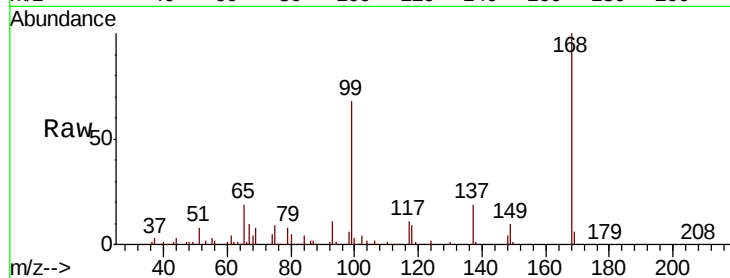
99 67.6 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

50000

40000

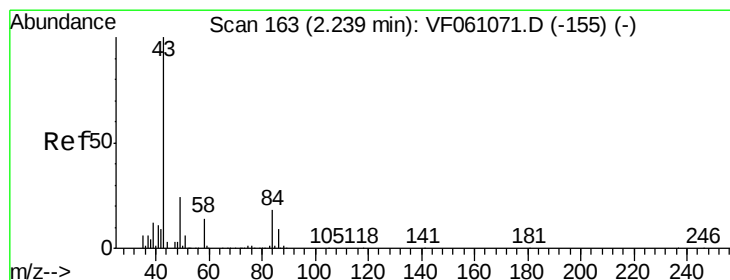
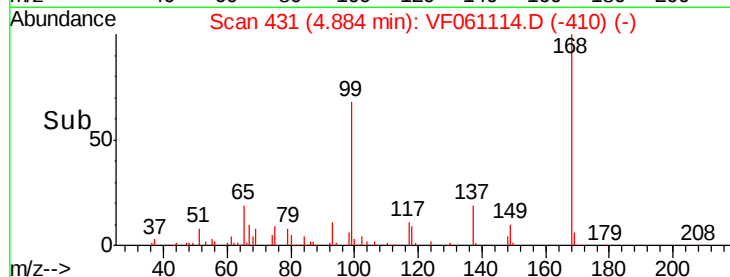
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 77.312 ug/l m

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061114.D

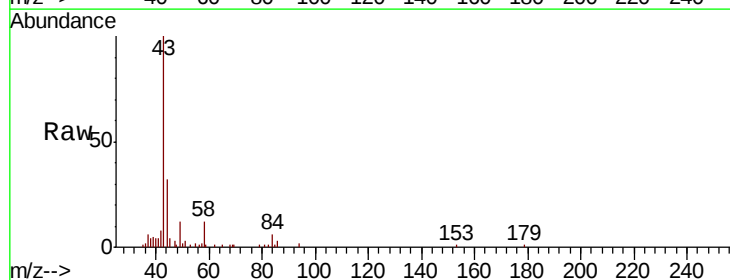
Acq: 20 Dec 2018 18:09

Tgt Ion: 43 Resp: 33659

Ion Ratio Lower Upper

43 100

58 12.4 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

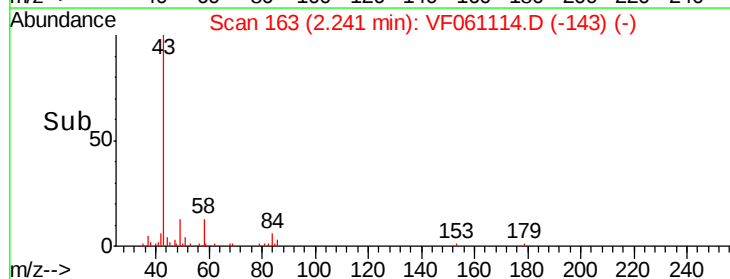
2.24

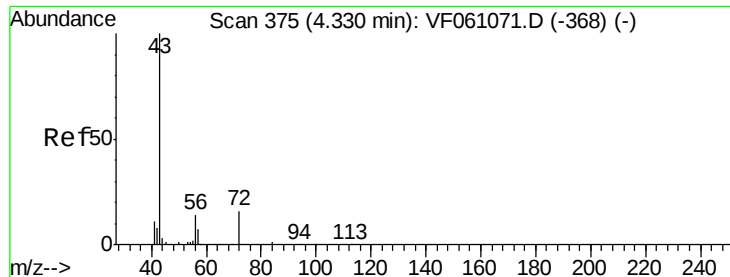
10000

5000

0

Time-->





#25

2-Butanone

Concen: 29.749 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0006-01

Tot Ion: 43 Resp: 21005

Ion Ratio Lower Upper

43 100

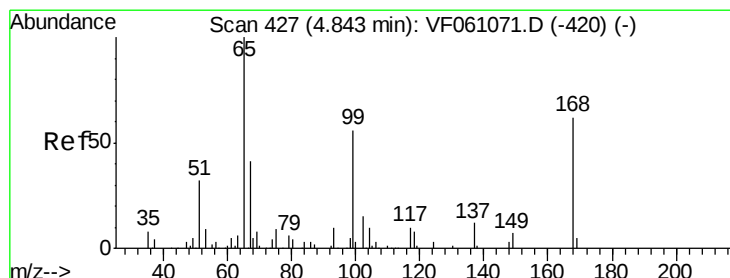
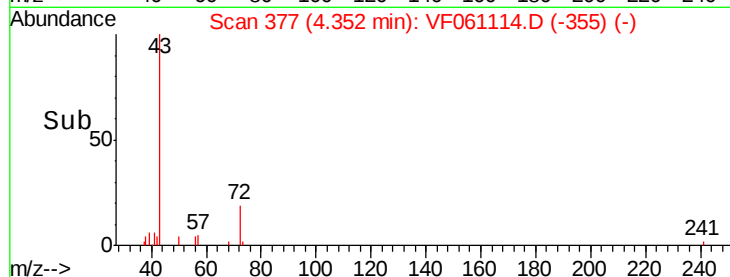
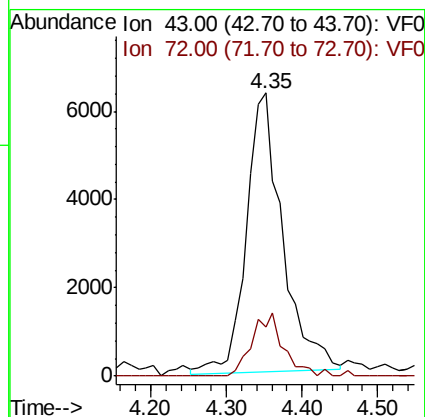
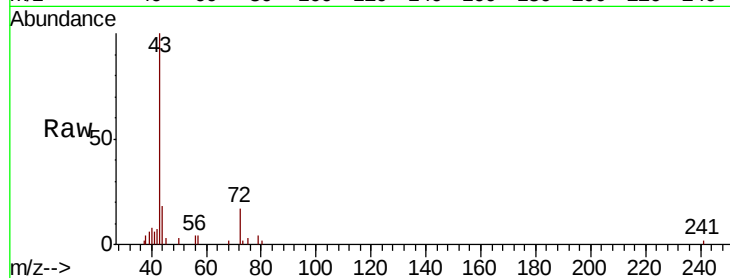
72 17.3 15.6 23.4

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#33

1,2-Dichloroethane-d4

Concen: 42.330 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061114.D

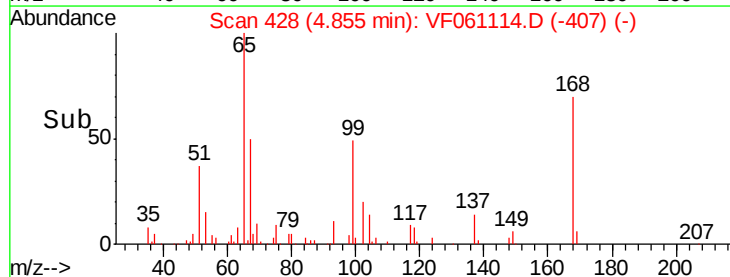
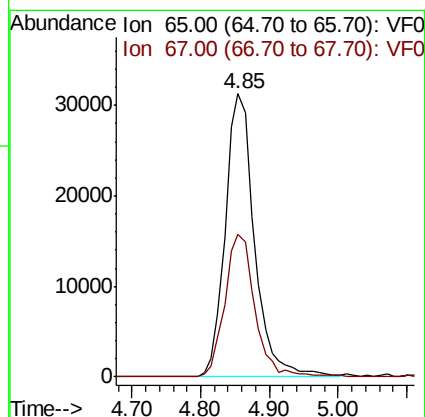
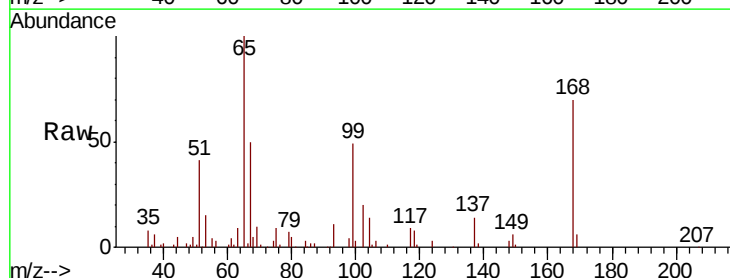
Acq: 20 Dec 2018 18:09

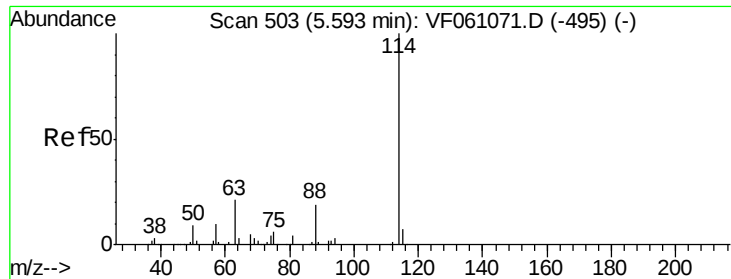
Tgt Ion: 65 Resp: 92187

Ion Ratio Lower Upper

65 100

67 50.4 0.0 94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

Instrument :

MSVOA_F

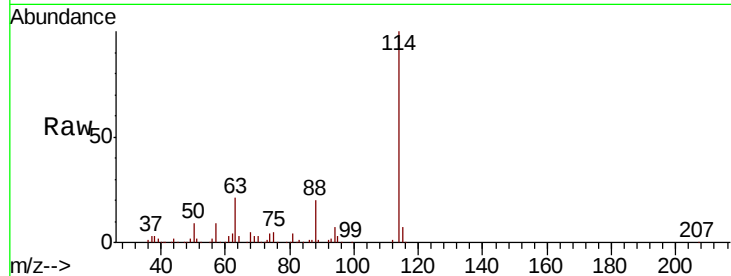
ClientSampleId :

P001-SD006-0006-01

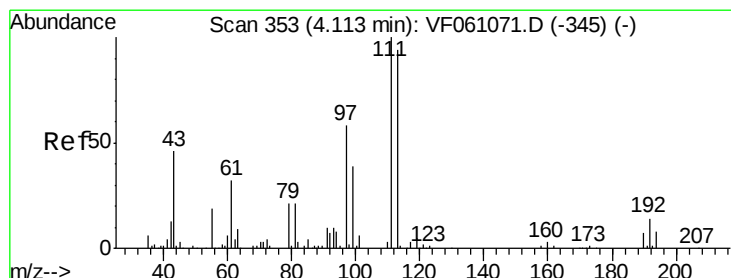
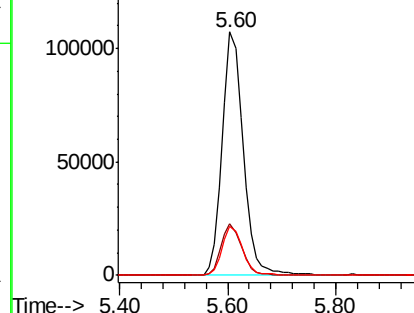
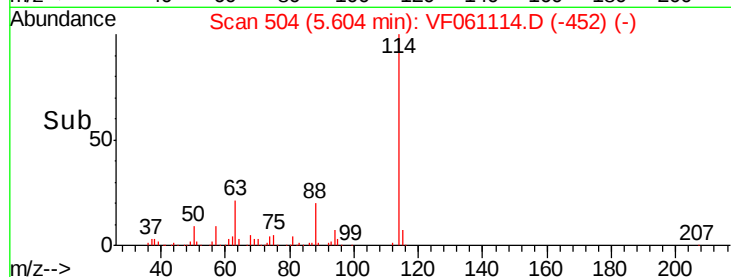
Tot Ion	Ratio	Resp	Lower	Upper
114	100	290180		
63	21.3	0.0	41.6	
88	20.1	0.0	38.0	

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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: 43.290 ug/l

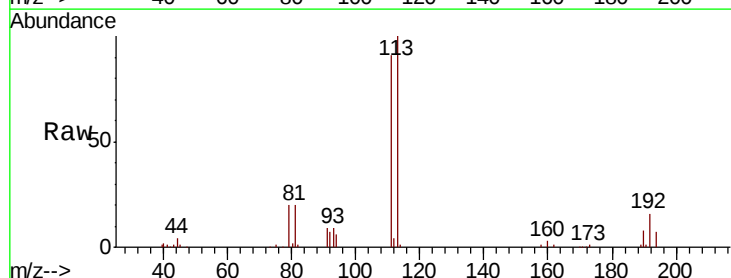
RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

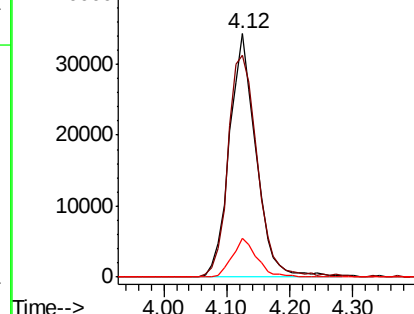
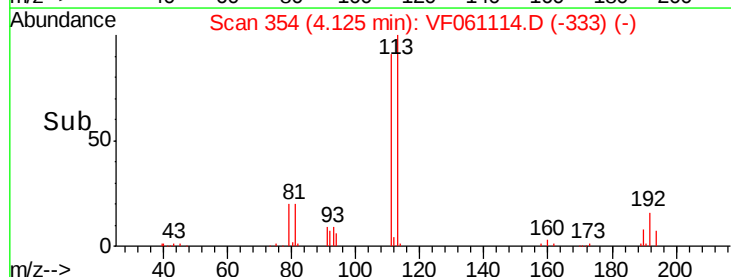
Lab File: VF061114.D

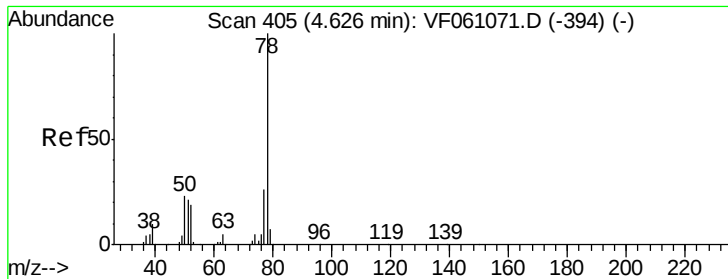
Acq: 20 Dec 2018 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	100629		
111	90.9	85.2	127.8	
192	15.9	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





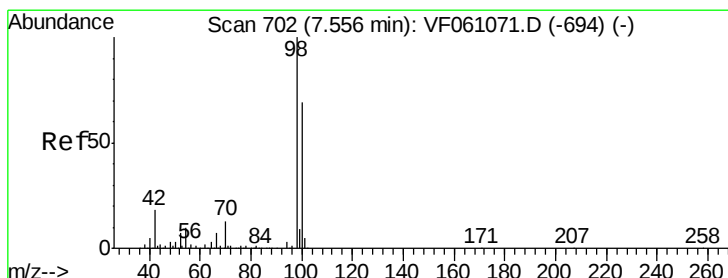
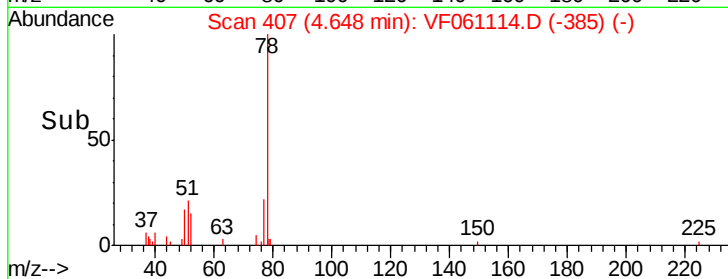
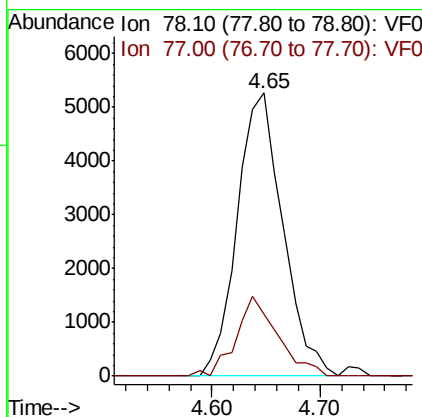
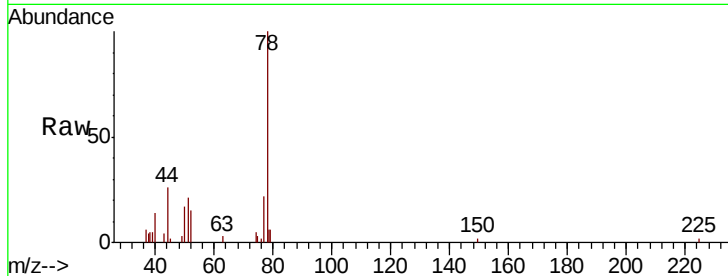
#40
Benzene
Concen: 2.054 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061114.D
Acq: 20 Dec 2018 18:09

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0006-01

Tot Ion: 78 Resp: 15473
Ion Ratio Lower Upper
78 100
77 22.1 20.7 31.1

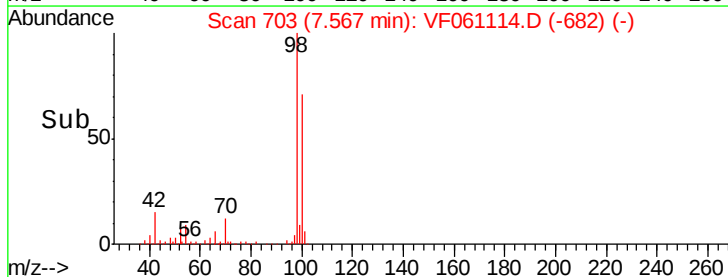
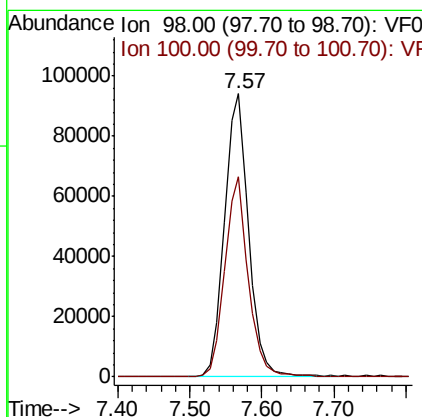
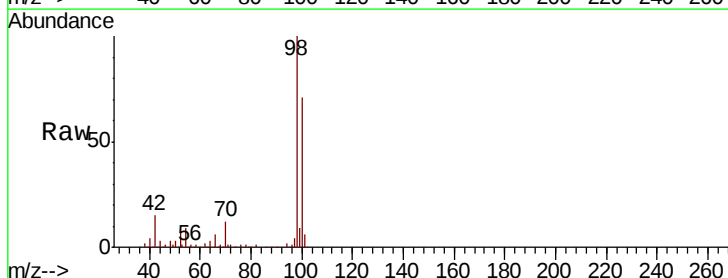
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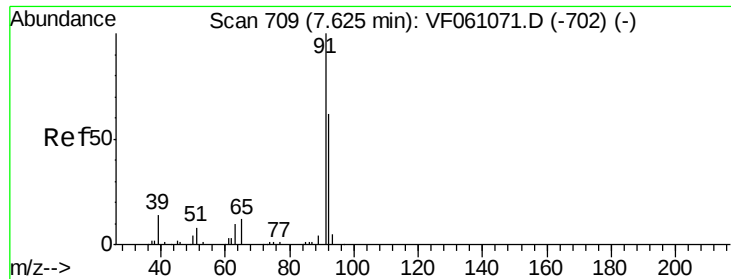
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#50
Toluene-d8
Concen: 33.133 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061114.D
Acq: 20 Dec 2018 18:09

Tgt Ion: 98 Resp: 218261
Ion Ratio Lower Upper
98 100
100 70.5 55.3 82.9





#52

Toluene

Concen: 1.270 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0006-01

Tot Ion: 92 Resp: 6330

Ion Ratio Lower Upper

92 100

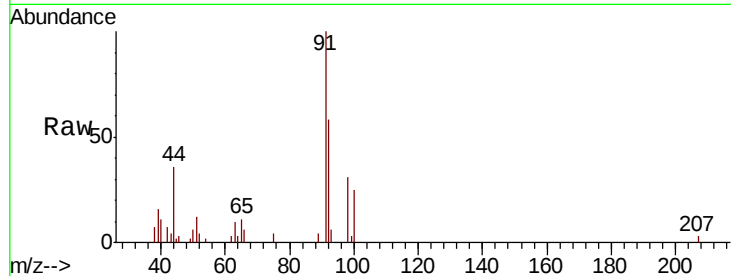
91 173.8 128.8 193.2

Manual Integrations

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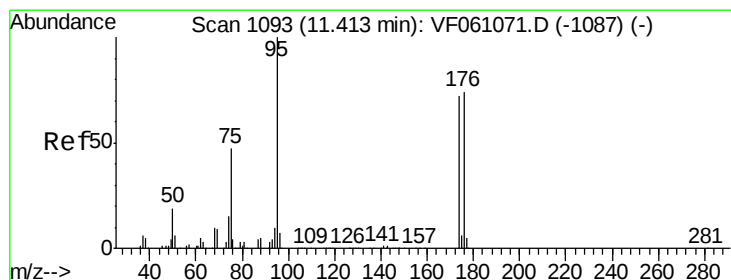
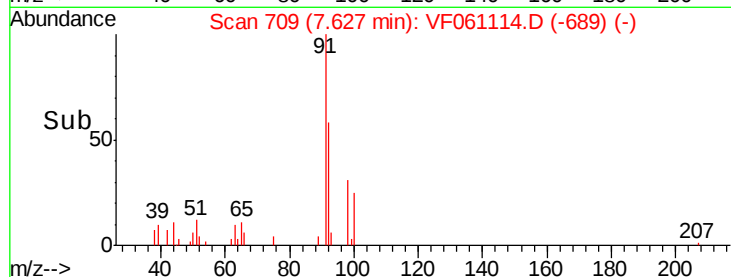
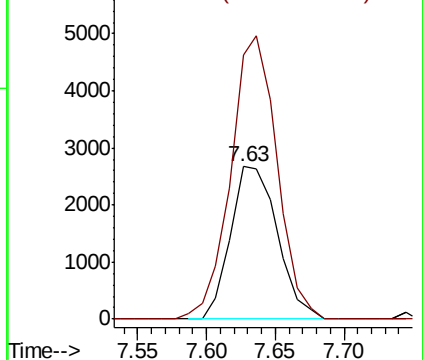
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 21.961 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

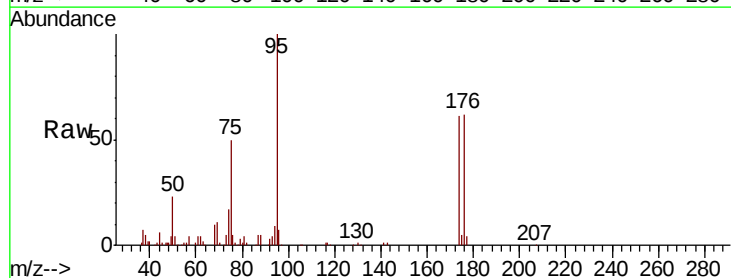
Tgt Ion: 95 Resp: 66692

Ion Ratio Lower Upper

95 100

174 60.8 0.0 143.8

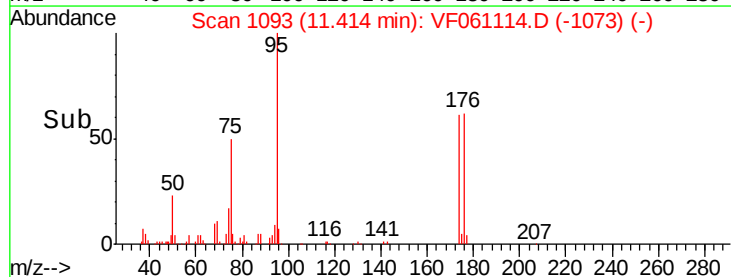
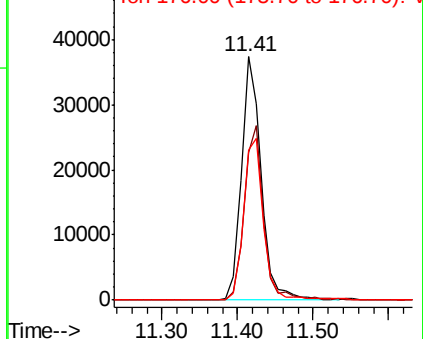
176 61.5 0.0 147.6

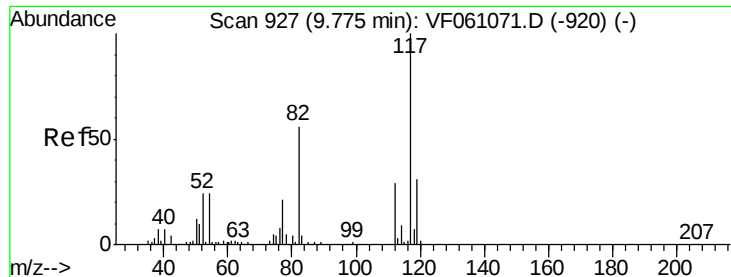


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





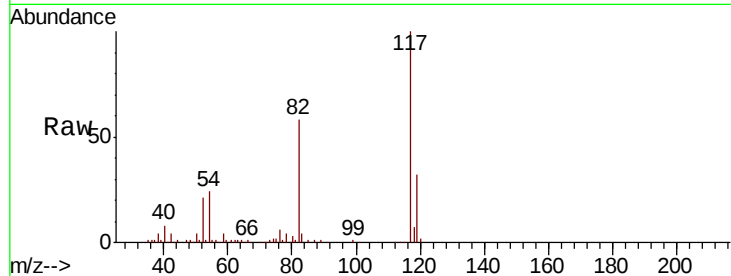
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061114.D
Acq: 20 Dec 2018 18:09

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0006-01

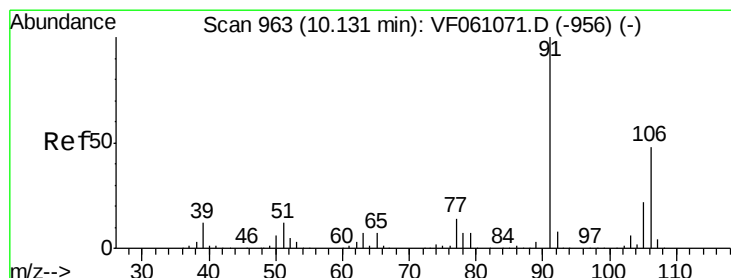
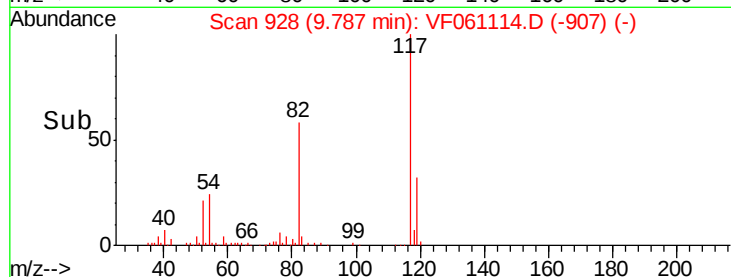
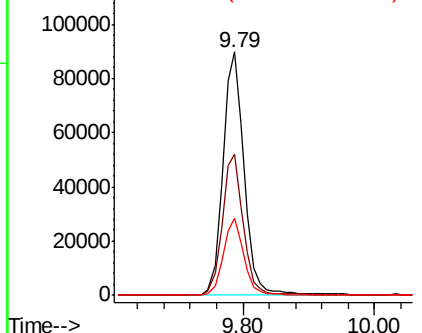
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.0	67.4
119	31.8	24.8	37.2

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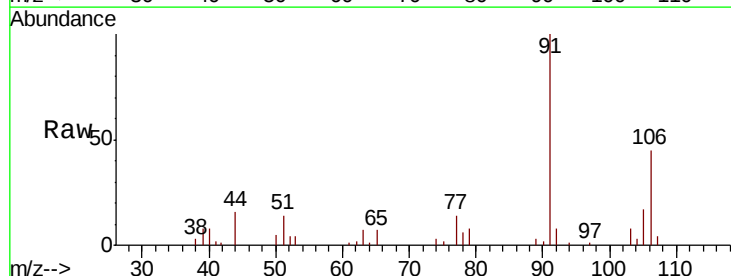


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

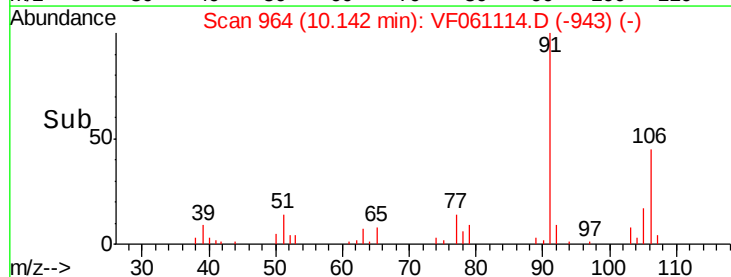
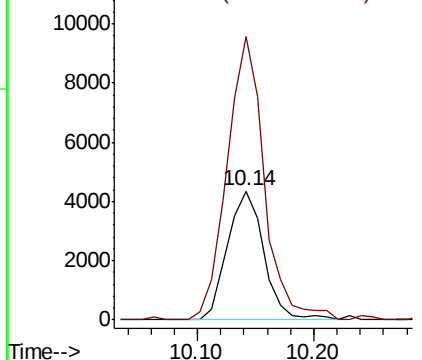


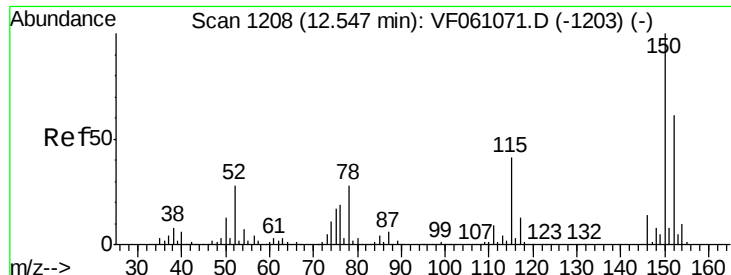
#68
m/p-Xylenes
Concen: 3.538 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061114.D
Acq: 20 Dec 2018 18:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	219.9	168.2	252.2



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: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion:152 Resp: 61407

Ion Ratio Lower Upper

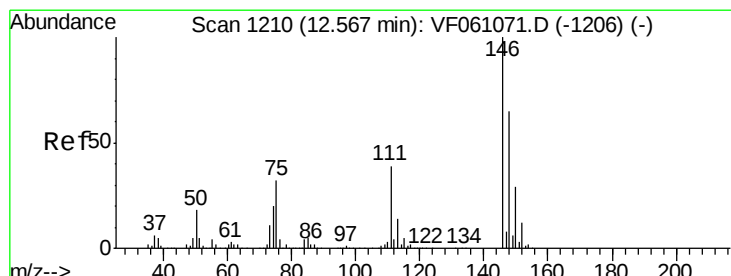
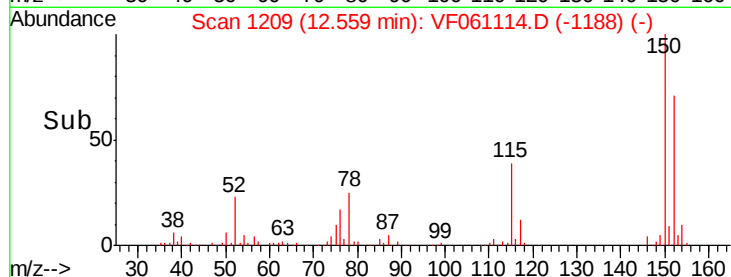
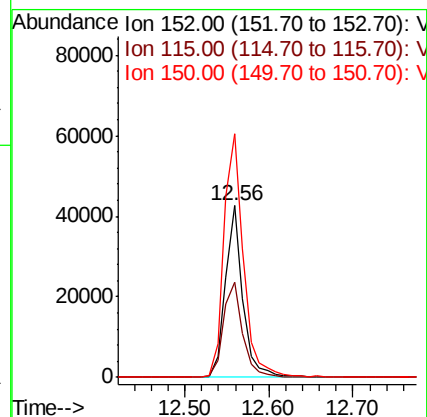
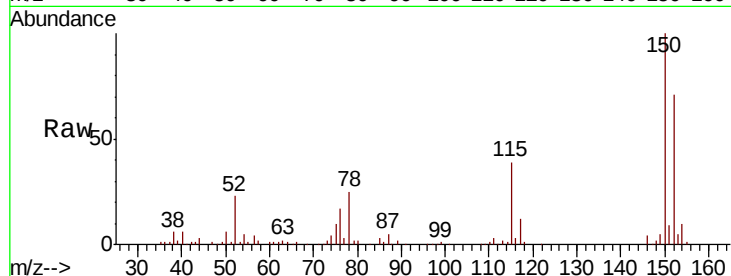
152 100

115 55.7 33.3 99.9

150 141.7 0.0 328.2

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#88

1,4-Dichlorobenzene

Concen: 3.349 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061114.D

Acq: 20 Dec 2018 18:09

Tgt Ion:146 Resp: 7005

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.4

148 60.8 32.4 97.0

