

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061167.D
 Acq On : 24 Dec 2018 16:10
 Operator : VA/AP
 Sample : J6511-06RE
 Misc : 4.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-62(0-5)-GRABRE

Quant Time: Dec 25 00:41:12 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	4.87	168	9299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	11622	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	3890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	70	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	3017	25.23	ug/l	0.02
Spiked Amount	50.000		Recovery	=	50.46%	
35) Dibromofluoromethane	4.12	113	4508	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	7.56	98	9704	36.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.56%	
62) 4-Bromofluorobenzene	11.41	95	623	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

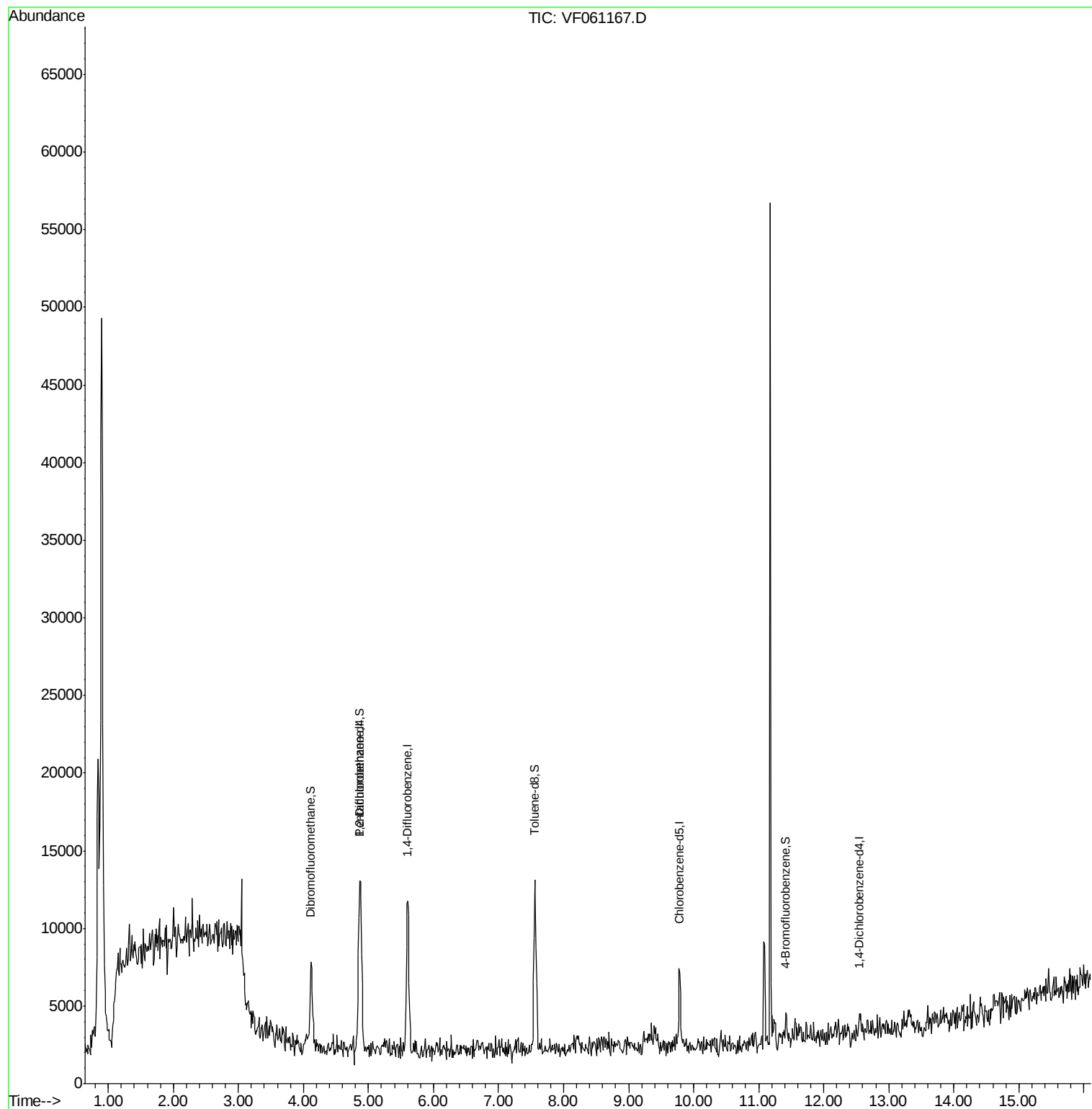
Target Compounds	Qvalue
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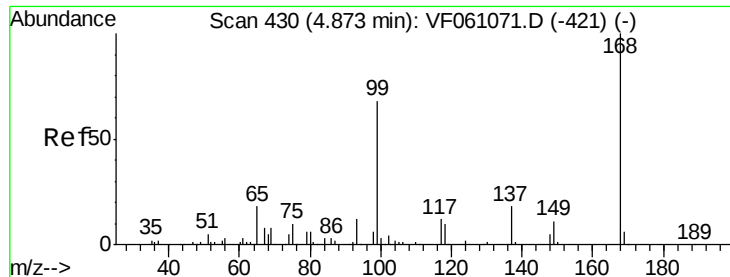
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.00 min

Lab File: VF061167.D

Acq: 24 Dec 2018 16:10

Instrument :

MSVOA_F

ClientSampleId :

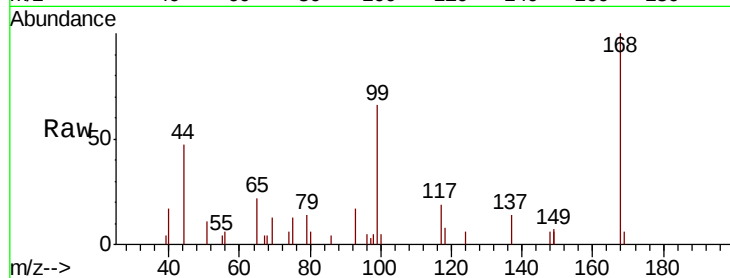
SB-62(0-5)-GRABRE

Tot Ion:168 Resp: 9299

Ion Ratio Lower Upper

168 100

99 65.7 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

3000

2000

1000

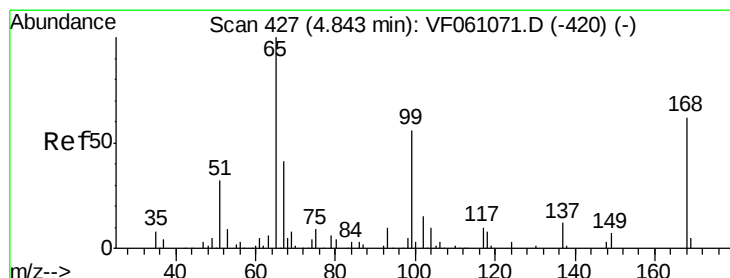
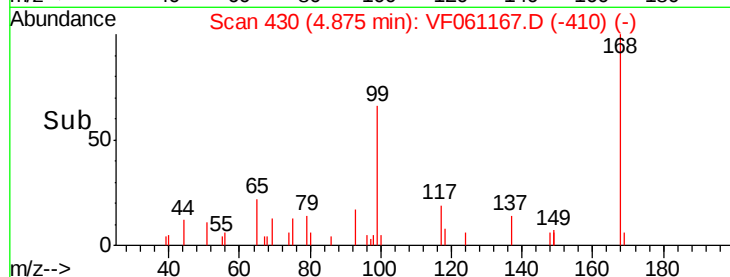
0

4.80

4.90

5.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 25.226 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061167.D

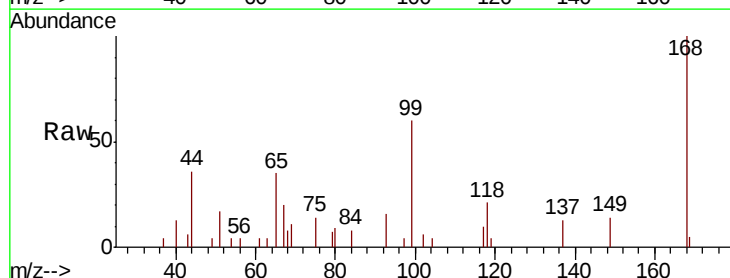
Acq: 24 Dec 2018 16:10

Tgt Ion: 65 Resp: 3017

Ion Ratio Lower Upper

65 100

67 56.5 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

1000

800

600

400

200

0

4.75

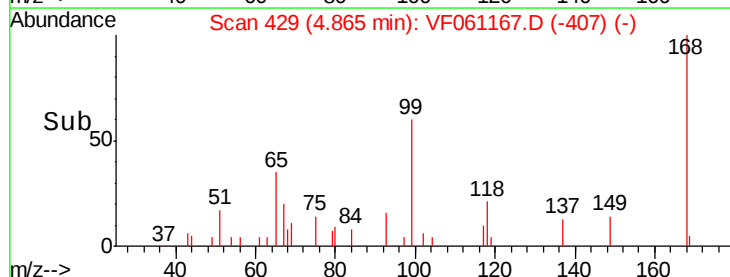
4.80

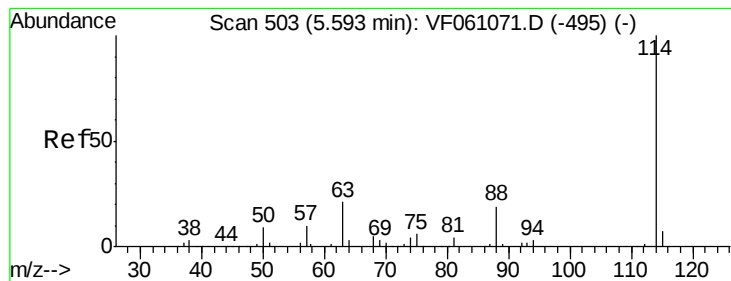
4.85

4.90

4.95

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061167.D

Acq: 24 Dec 2018 16:10

Instrument :

MSVOA_F

ClientSampleId :

SB-62(0-5)-GRABRE

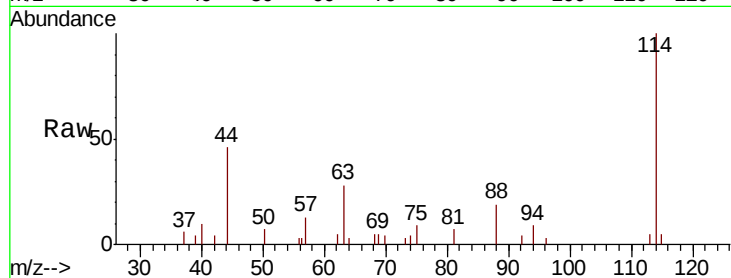
Tot Ion:114 Resp: 11622

Ion Ratio Lower Upper

114 100

63 28.0 0.0 41.6

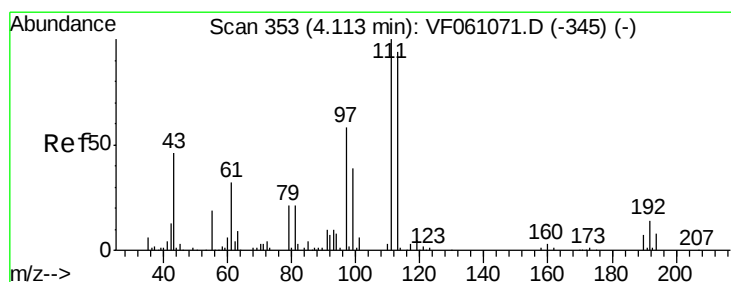
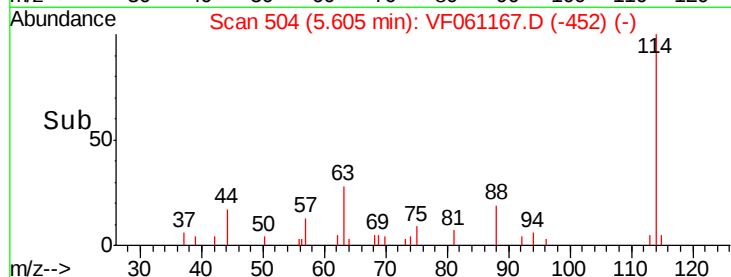
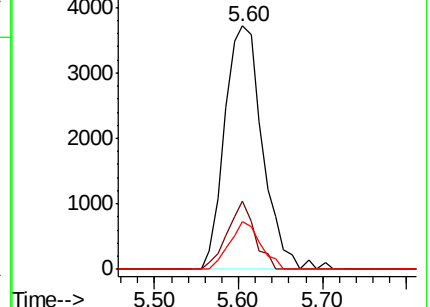
88 19.5 0.0 38.0



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: 48.422 ug/l

RT: 4.12 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061167.D

Acq: 24 Dec 2018 16:10

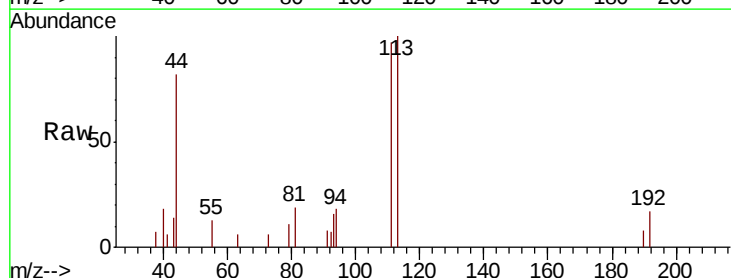
Tgt Ion:113 Resp: 4508

Ion Ratio Lower Upper

113 100

111 96.5 85.2 127.8

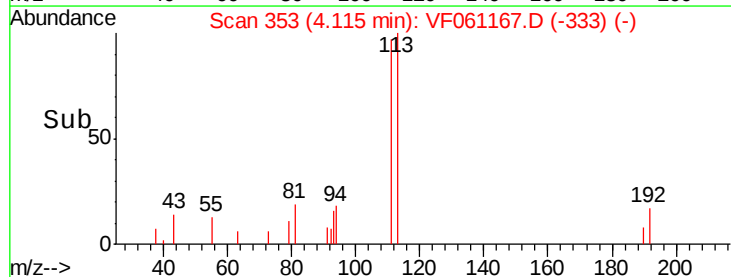
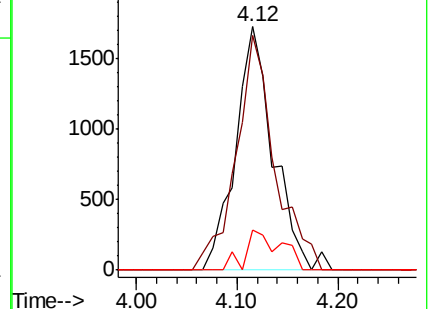
192 16.6 12.8 19.2

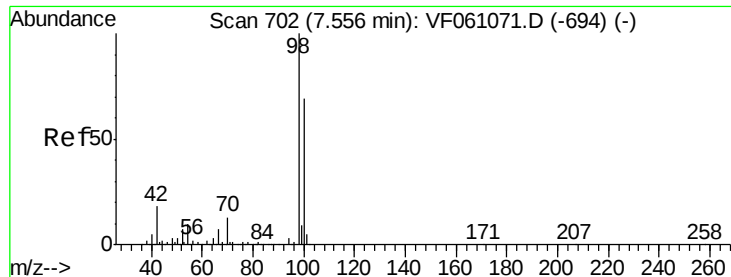


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 36.781 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061167.D

Acq: 24 Dec 2018 16:10

Instrument :

MSVOA_F

ClientSampleId :

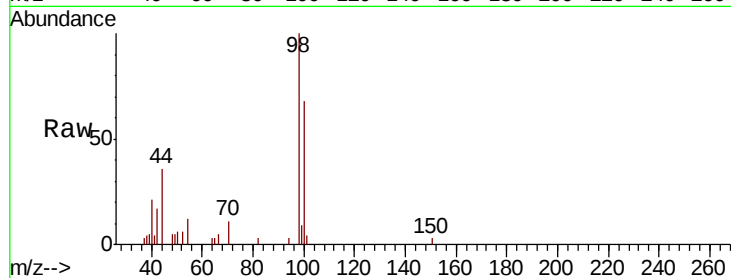
SB-62(0-5)-GRABRE

Tot Ion: 98 Resp: 9704

Ion Ratio Lower Upper

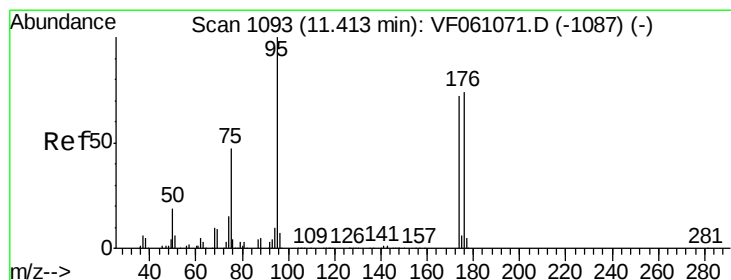
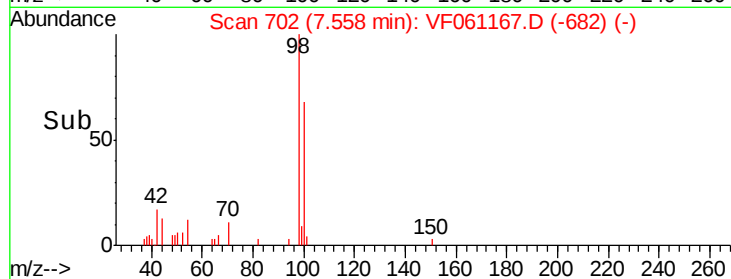
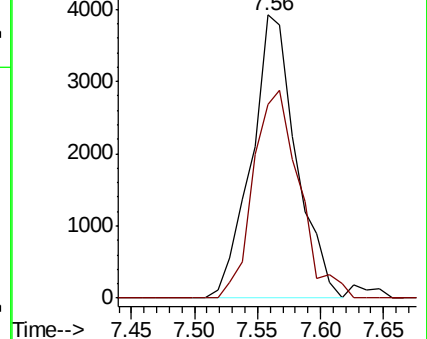
98 100

100 68.3 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 5.122 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061167.D

Acq: 24 Dec 2018 16:10

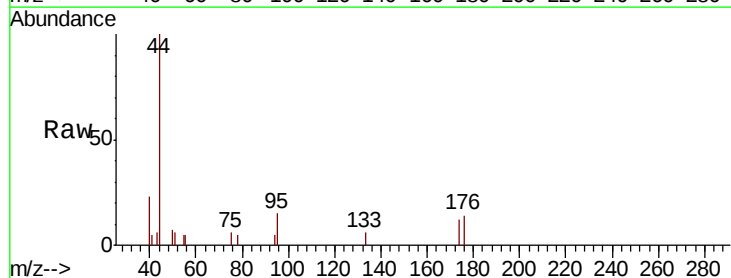
Tgt Ion: 95 Resp: 623

Ion Ratio Lower Upper

95 100

174 76.5 0.0 143.8

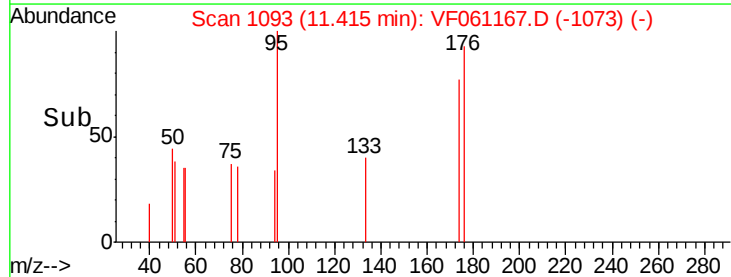
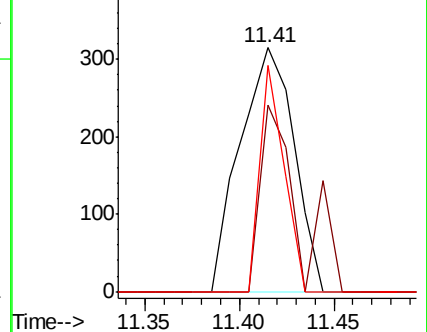
176 92.7 0.0 147.6

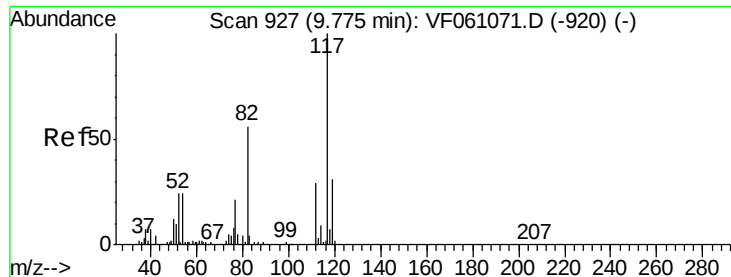


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

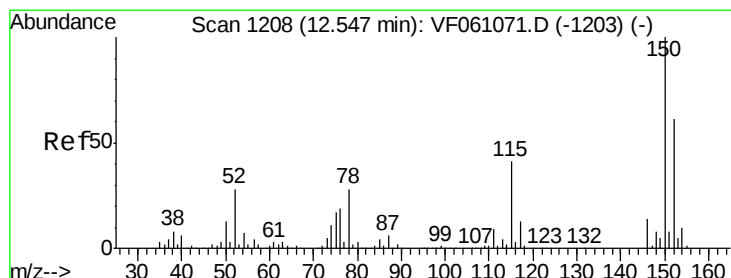
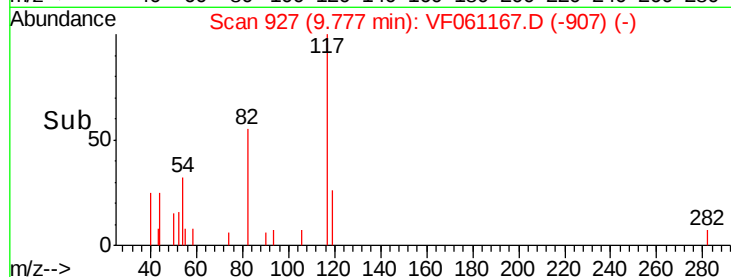
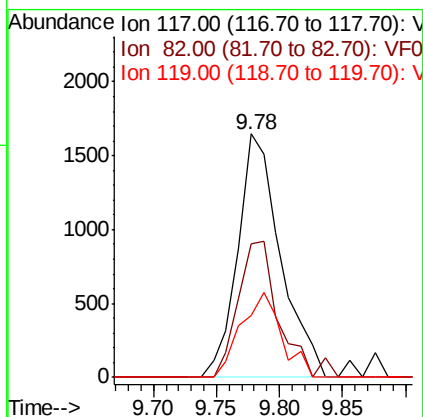
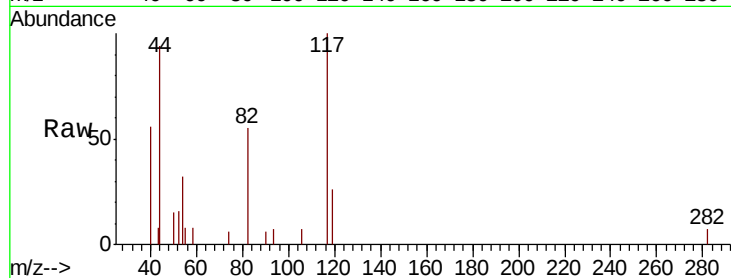




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061167.D
Acq: 24 Dec 2018 16:10

Instrument :
MSVOA_F
ClientSampleId :
SB-62(0-5)-GRABRE

Tot Ion:117 Resp: 3890
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 25.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061167.D
Acq: 24 Dec 2018 16:10

Tgt Ion:152 Resp: 70
Ion Ratio Lower Upper
152 100
115 0.0 33.3 99.9#
150 0.0 0.0 328.2

