

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061222.D
 Acq On : 27 Dec 2018 21:57
 Operator : VA/AP
 Sample : J6579-01RE
 Misc : 5.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TN-122618-CRE

Quant Time: Dec 28 00:35:59 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	4.86	168	5956	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	7918	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	5500	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	1638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	1426	18.62	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	37.24%	
35) Dibromofluoromethane	4.11	113	2481	39.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.24%	
50) Toluene-d8	7.54	98	8351	46.46	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.92%	
62) 4-Bromofluorobenzene	11.39	95	2079	25.09	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	50.18%	

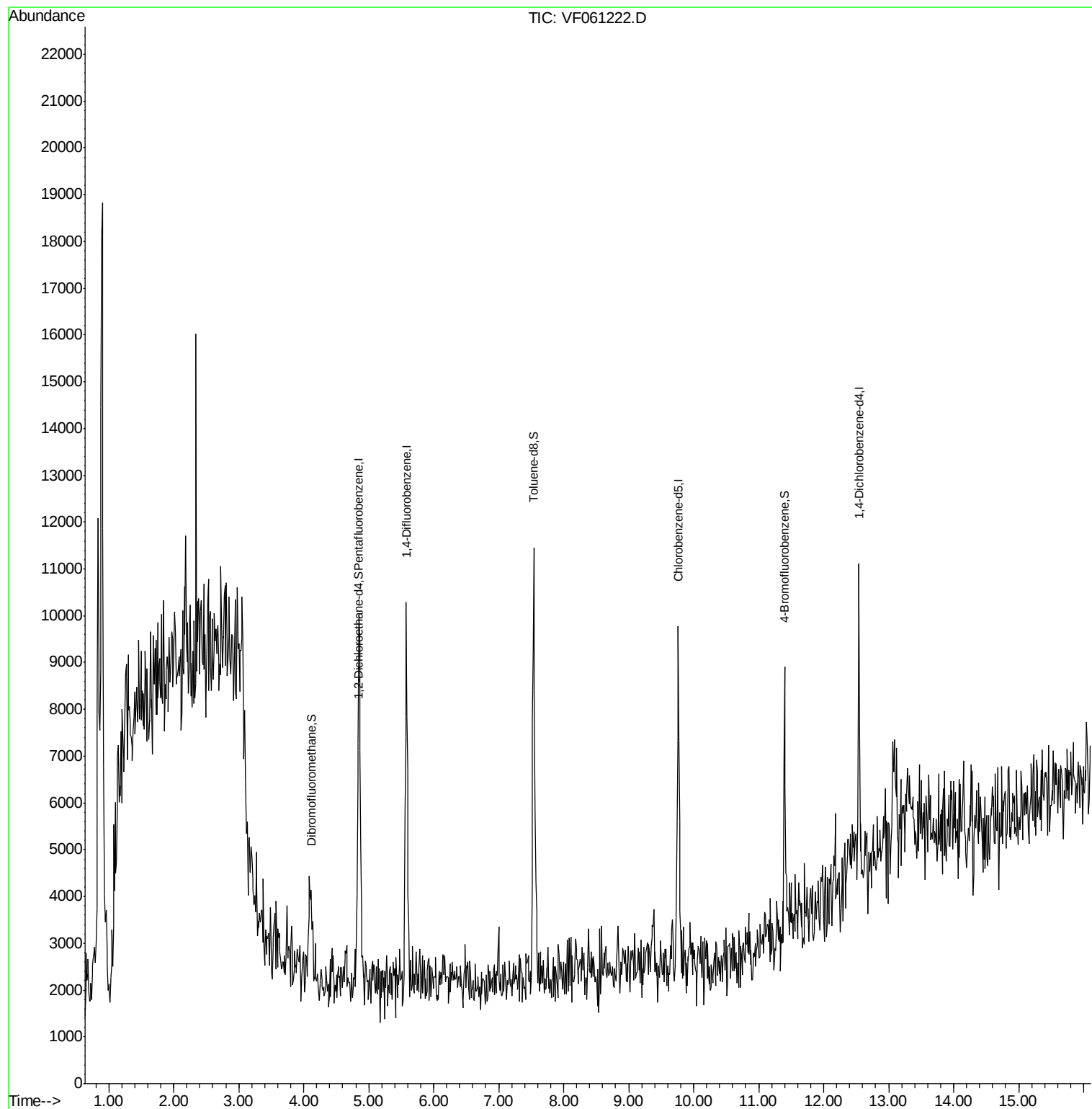
Target Compounds	Qvalue

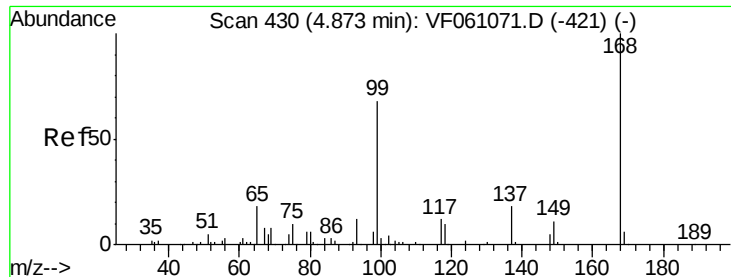
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

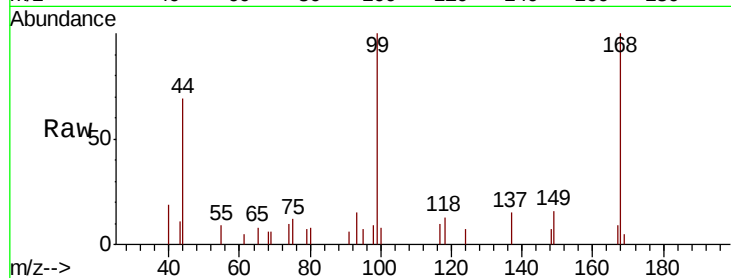
TN-122618-CRE

Tot Ion:168 Resp: 5956

Ion Ratio Lower Upper

168 100

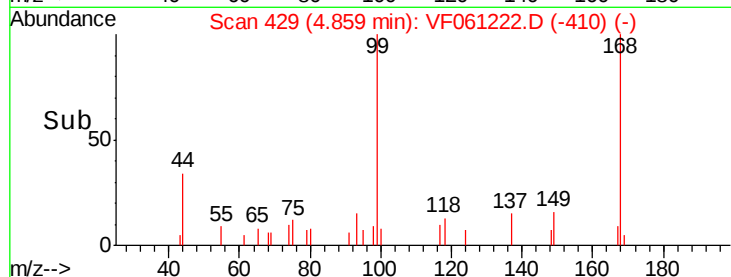
99 100.1 54.4 81.6#



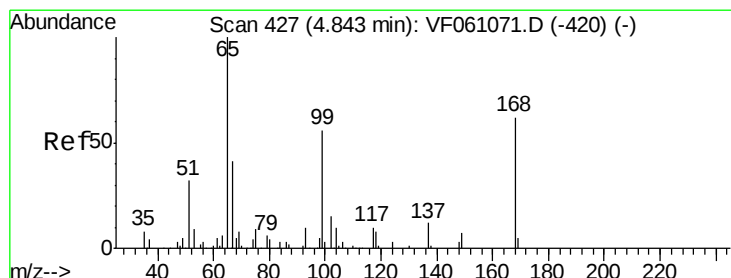
Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 18.615 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061222.D

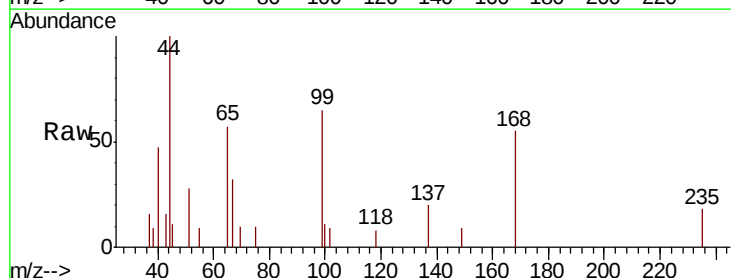
Acq: 27 Dec 2018 21:57

Tgt Ion: 65 Resp: 1426

Ion Ratio Lower Upper

65 100

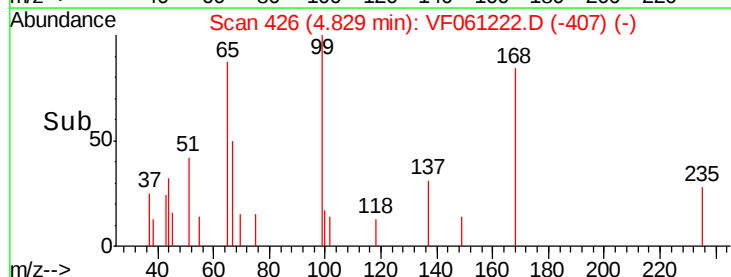
67 57.0 0.0 94.6



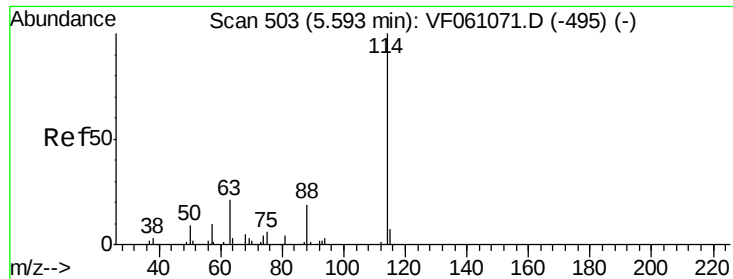
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Time-->



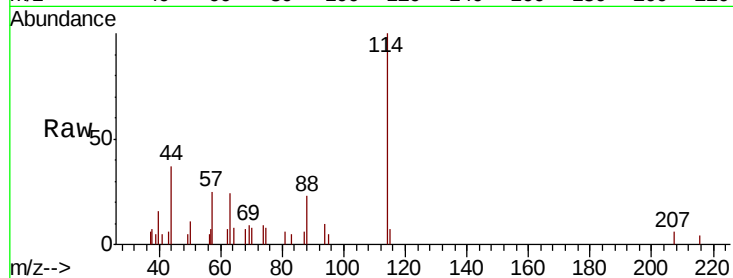
Time-->



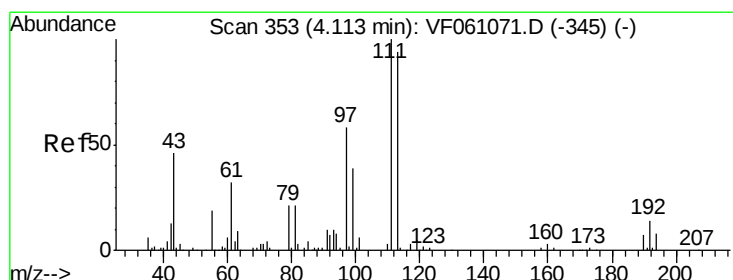
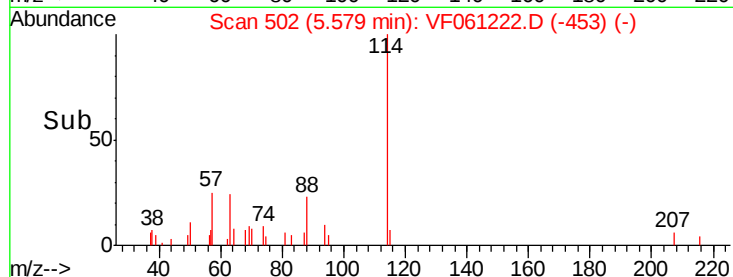
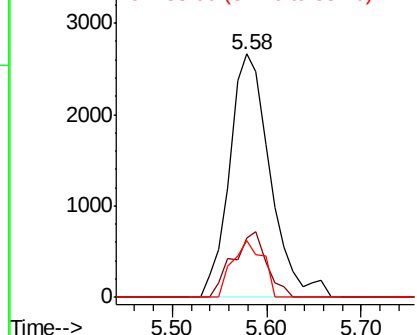
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.01 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
TN-122618-CRE

Tot Ion:114 Resp: 7918
Ion Ratio Lower Upper
114 100
63 24.2 0.0 41.6
88 23.2 0.0 38.0

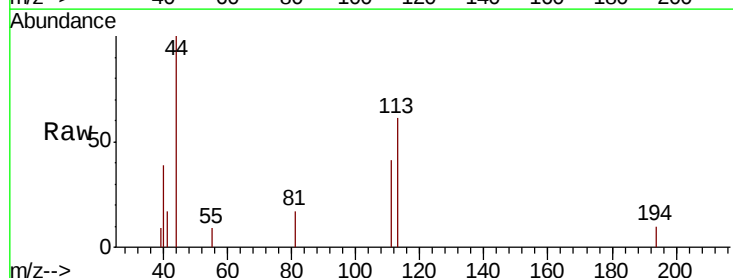


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

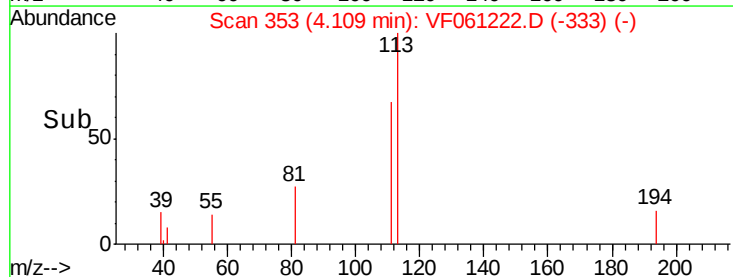
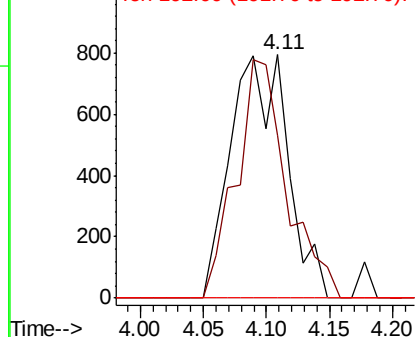


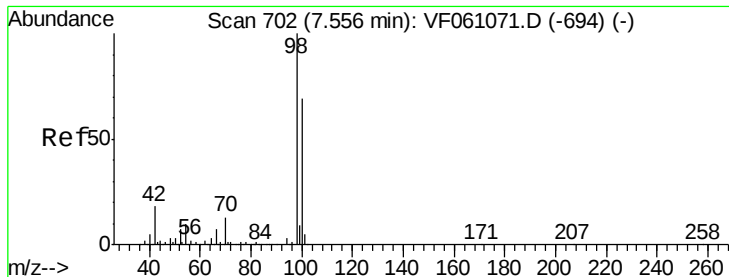
#35
Dibromofluoromethane
Concen: 39.115 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061222.D
Acq: 27 Dec 2018 21:57

Tgt Ion:113 Resp: 2481
Ion Ratio Lower Upper
113 100
111 66.8 85.2 127.8#
192 0.0 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: 46.460 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

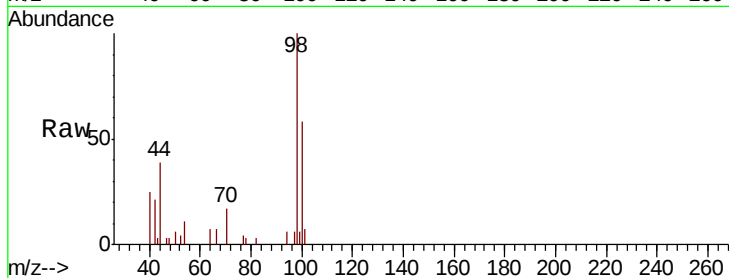
TN-122618-CRE

Tot Ion: 98 Resp: 8351

Ion Ratio Lower Upper

98 100

100 57.6 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.54

3000

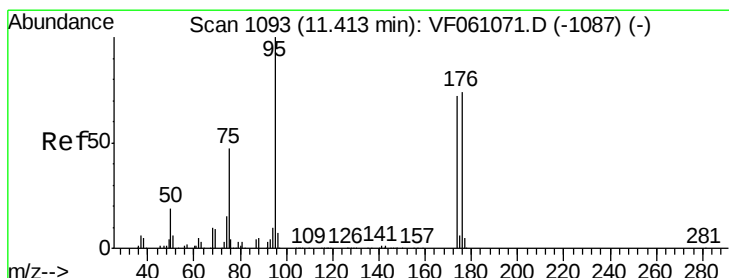
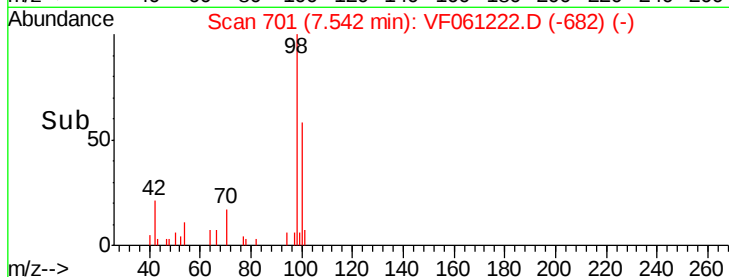
2000

1000

0

7.45 7.50 7.55 7.60

Time-->



#62

4-Bromofluorobenzene

Concen: 25.089 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

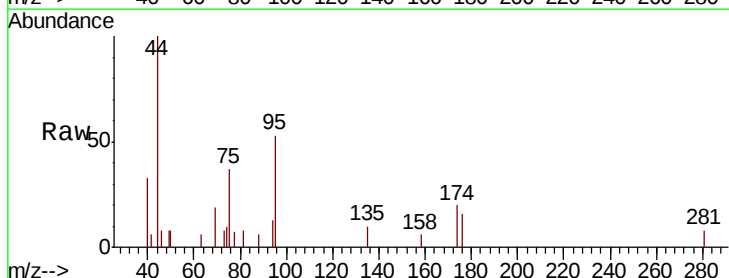
Tgt Ion: 95 Resp: 2079

Ion Ratio Lower Upper

95 100

174 38.4 0.0 143.8

176 30.9 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

1200

1000

800

600

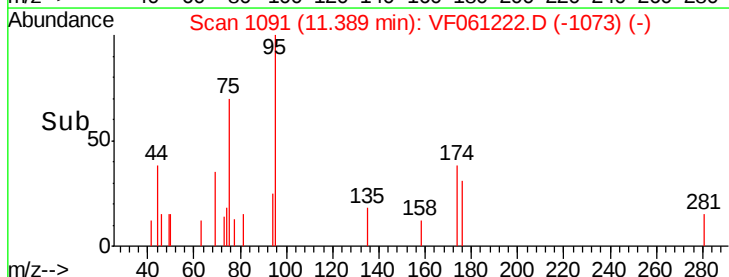
400

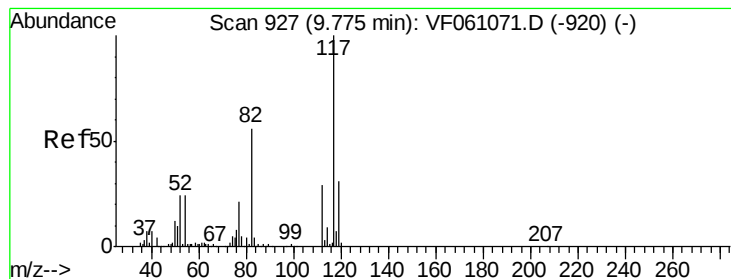
200

0

11.35 11.40 11.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

TN-122618-CRE

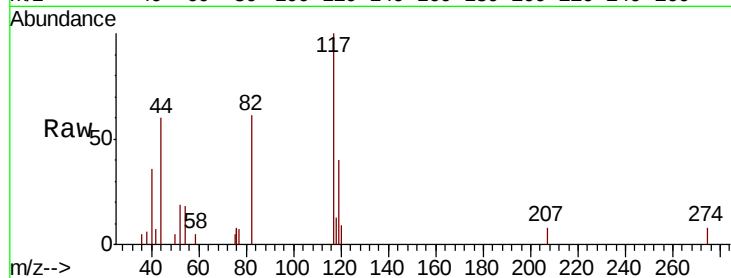
Tot Ion:117 Resp: 5500

Ion Ratio Lower Upper

117 100

82 61.1 45.0 67.4

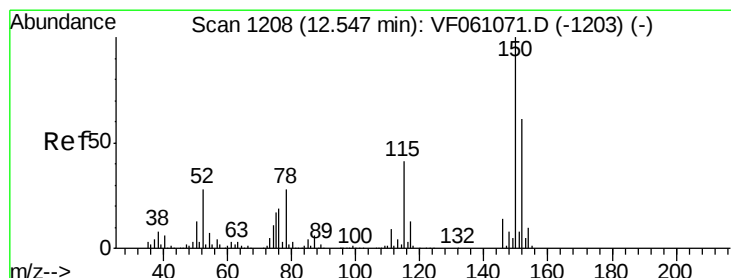
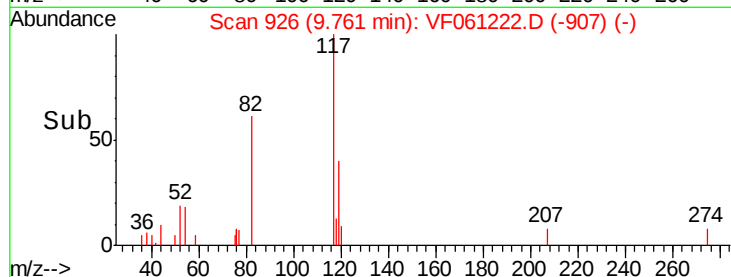
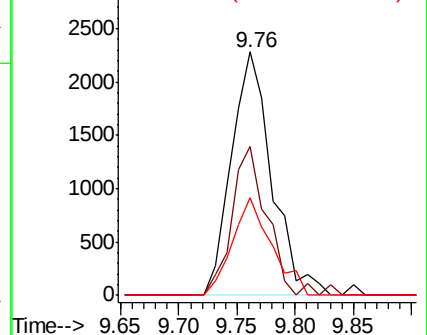
119 40.0 24.8 37.2#



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: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061222.D

Acq: 27 Dec 2018 21:57

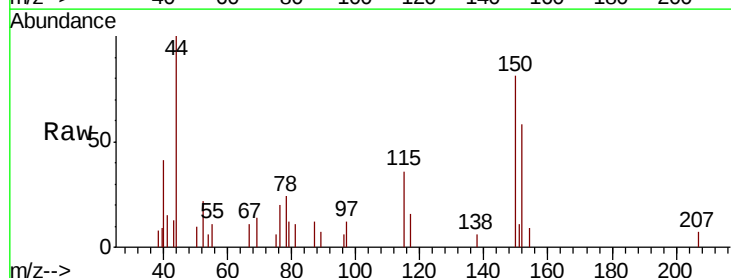
Tgt Ion:152 Resp: 1638

Ion Ratio Lower Upper

152 100

115 62.4 33.3 99.9

150 139.1 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

