

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059568.D
 Acq On : 19 Jul 2018 21:24
 Operator : VA/AP
 Sample : J3828-07
 Misc : 10.22g/5mL/MSVOA F/SOIL
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-071818-A

Quant Time: Jul 20 10:40:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	7151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	6527	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	3134	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	117	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	209	1.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		3.76%
35) Dibromofluoromethane	4.29	113	439	7.77	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=		15.54%
50) Toluene-d8	7.70	98	2158	15.16	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=		30.32%
62) 4-Bromofluorobenzene	11.51	95	407	5.45	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=		10.90%

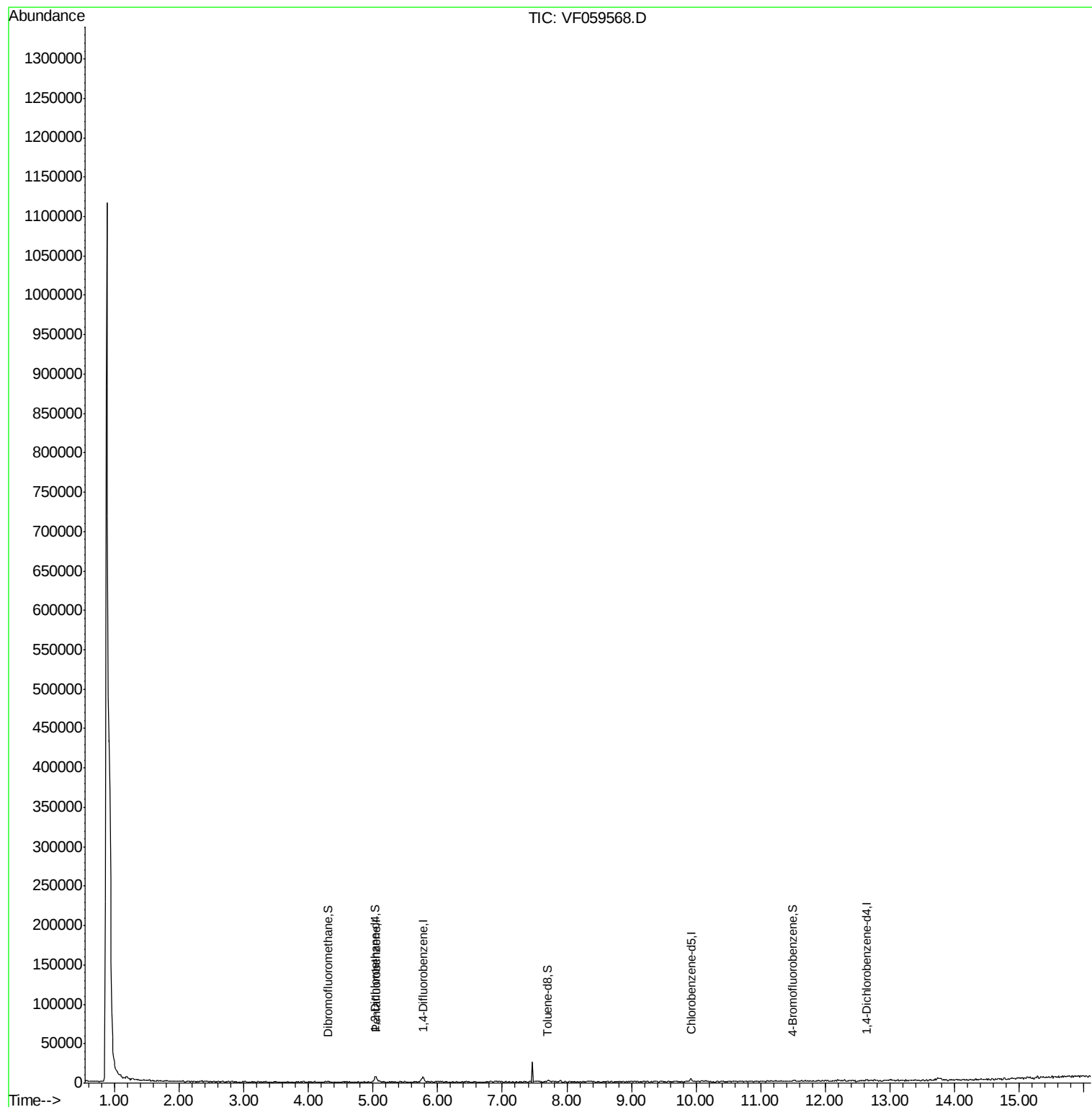
Target Compounds	Qvalue

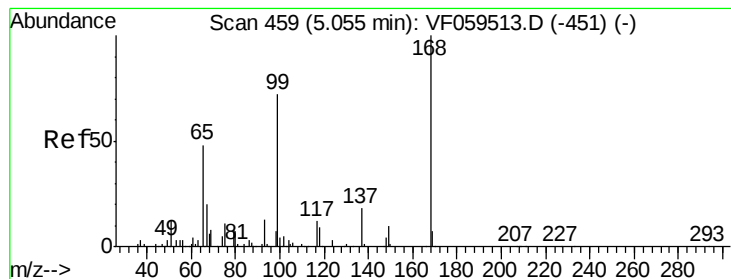
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

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Acq: 19 Jul 2018 21:24

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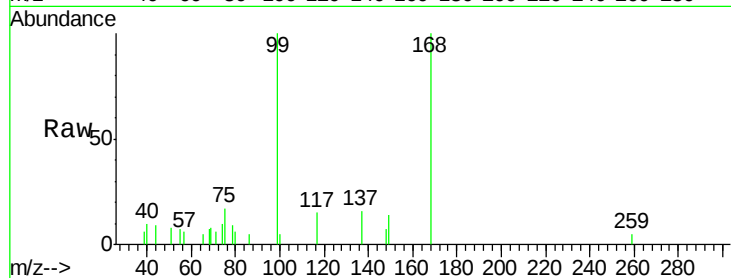
EO-02-071818-A

Tot Ion:168 Resp: 7151

Ion Ratio Lower Upper

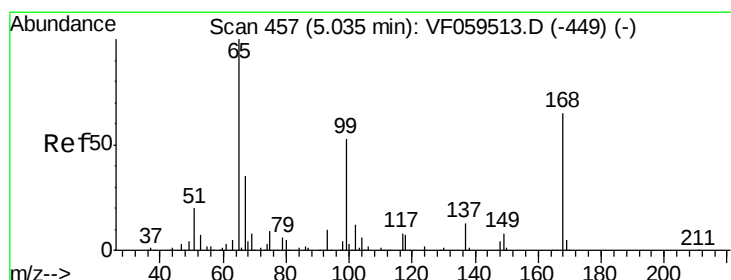
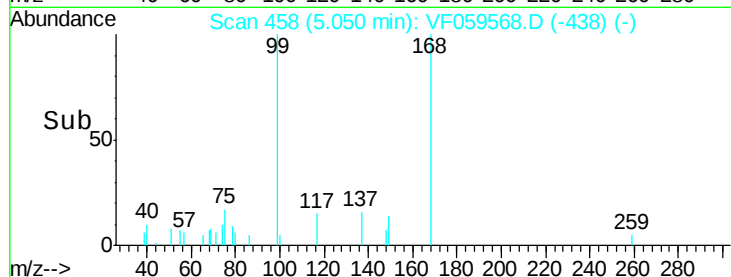
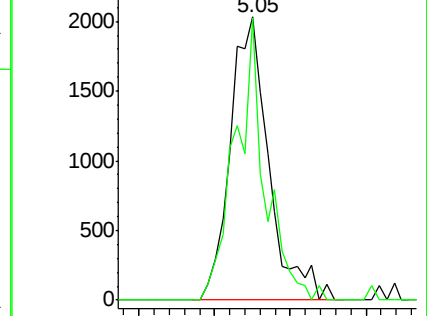
168 100

99 99.6 57.6 86.4#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 1.88 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059568.D

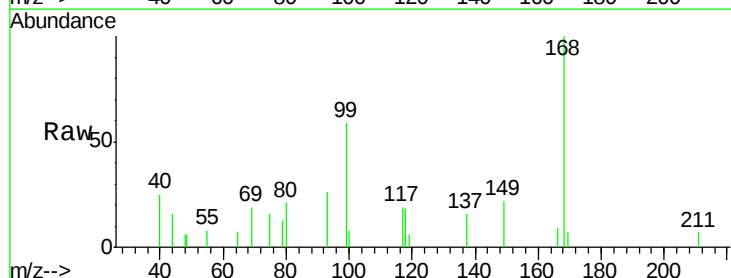
Acq: 19 Jul 2018 21:24

Tgt Ion: 65 Resp: 209

Ion Ratio Lower Upper

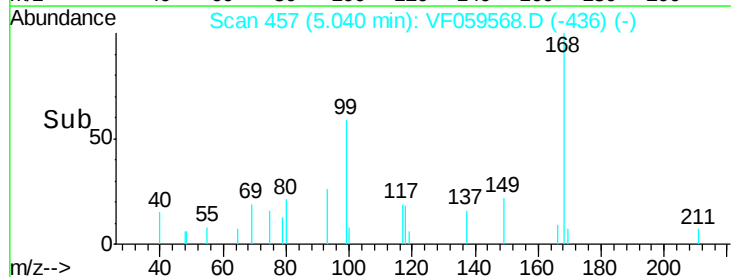
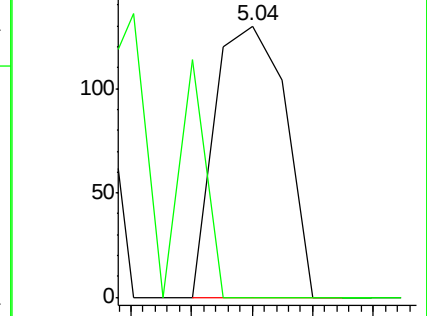
65 100

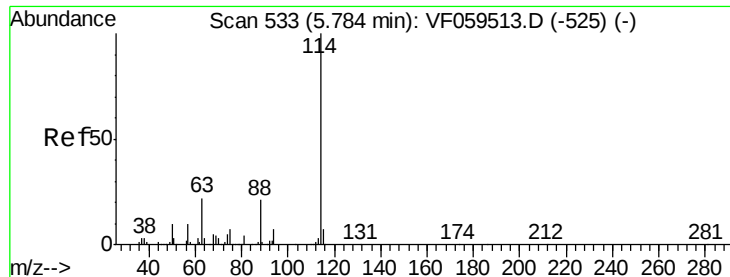
67 0.0 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059568.D

Acq: 19 Jul 2018 21:24

Instrument :

MSVOA_F

ClientSampleId :

EO-02-071818-A

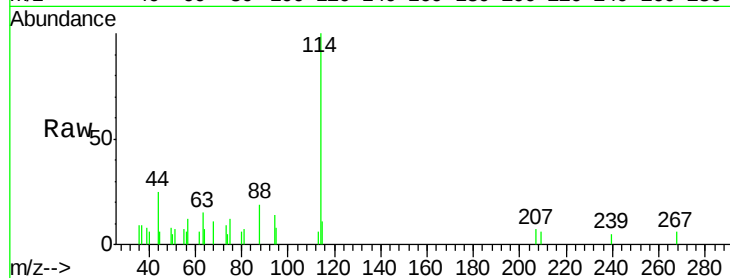
Tot Ion:114 Resp: 6527

Ion Ratio Lower Upper

114 100

63 13.5 0.0 44.8

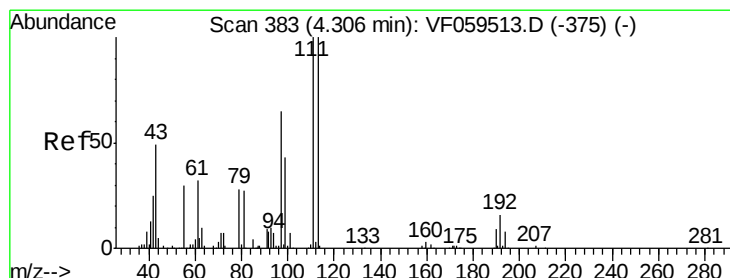
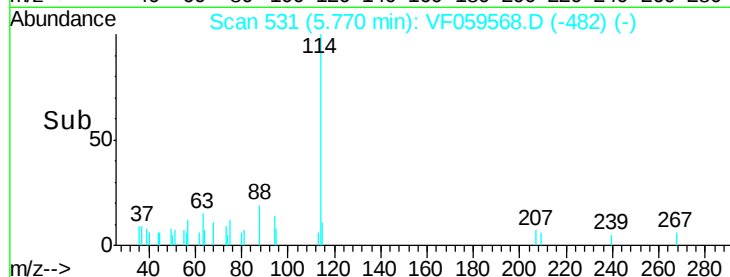
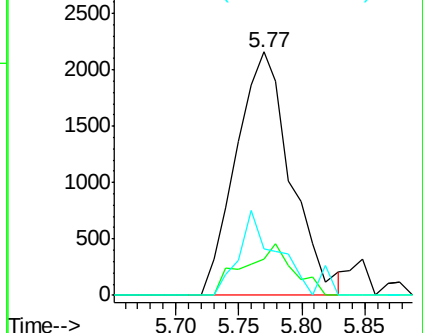
88 17.1 0.0 42.6



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: 7.77 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059568.D

Acq: 19 Jul 2018 21:24

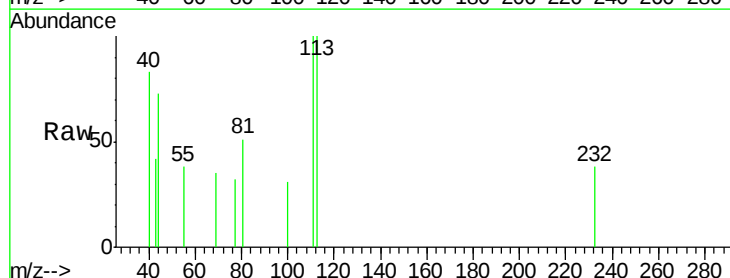
Tgt Ion:113 Resp: 439

Ion Ratio Lower Upper

113 100

111 100.0 80.3 120.5

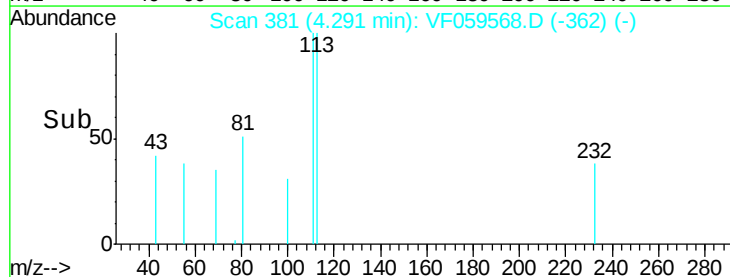
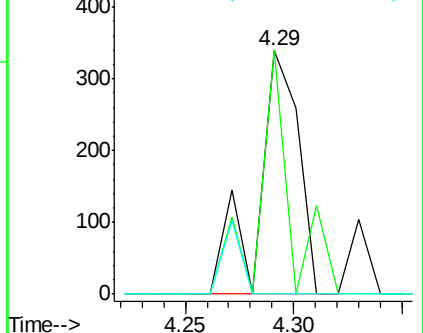
192 0.0 13.1 19.7#

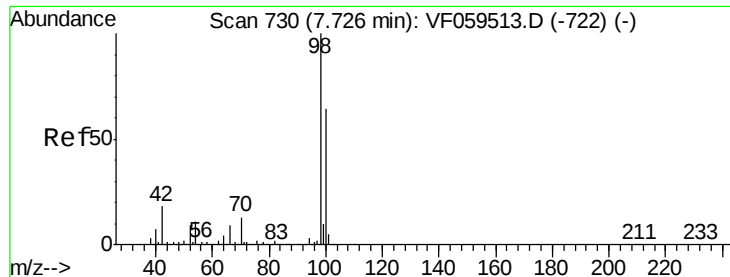


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 15.16 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059568.D

Acq: 19 Jul 2018 21:24

Instrument :

MSVOA_F

ClientSampleId :

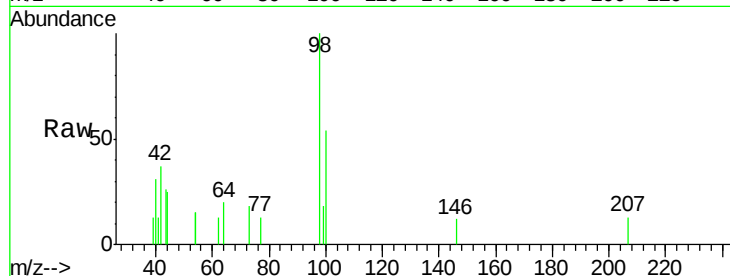
EO-02-071818-A

Tot Ion: 98 Resp: 2158

Ion Ratio Lower Upper

98 100

100 54.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

800

600

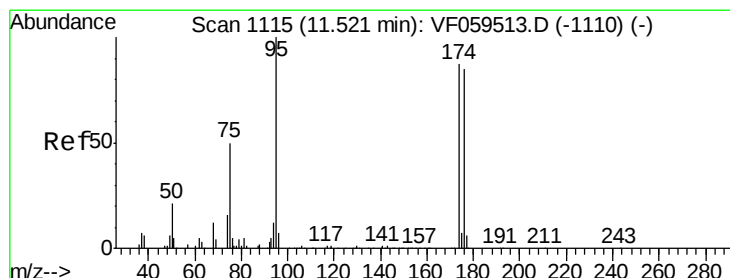
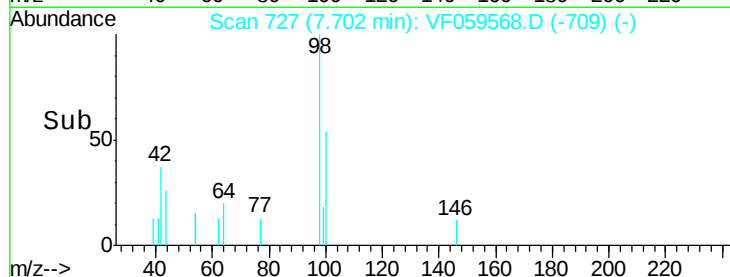
400

200

0

7.65 7.70 7.75

Time-->



#62

4-Bromofluorobenzene

Concen: 5.45 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059568.D

Acq: 19 Jul 2018 21:24

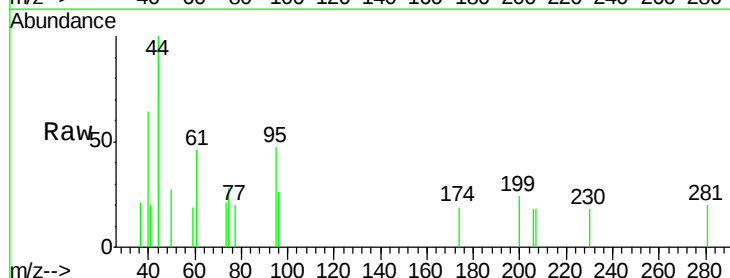
Tgt Ion: 95 Resp: 407

Ion Ratio Lower Upper

95 100

174 39.4 0.0 174.4

176 0.0 0.0 169.4



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

300

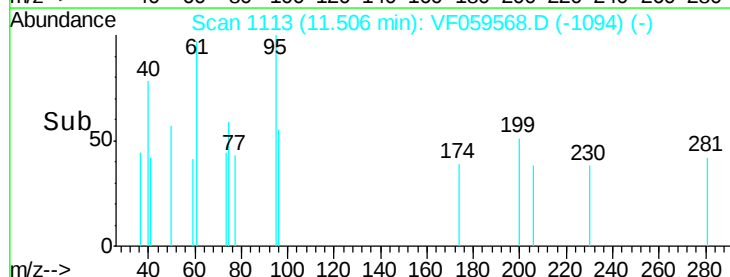
200

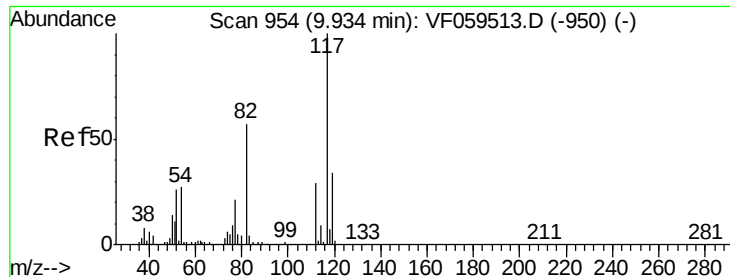
100

0

11.45 11.50 11.55

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059568.D

Acq: 19 Jul 2018 21:24

Instrument :

MSVOA_F

ClientSampleId :

EO-02-071818-A

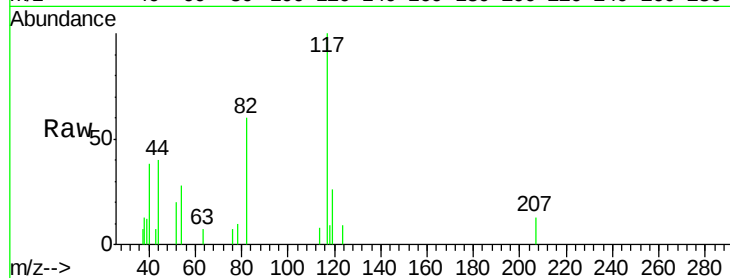
Tot Ion:117 Resp: 3134

Ion Ratio Lower Upper

117 100

82 59.7 46.1 69.1

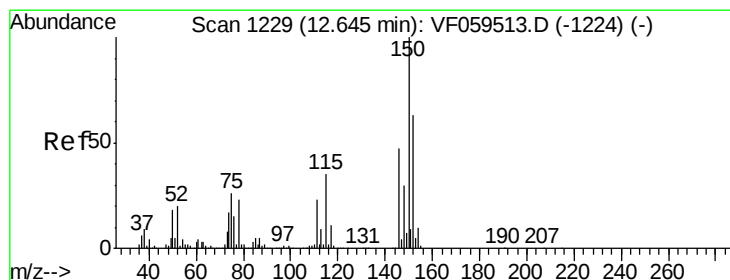
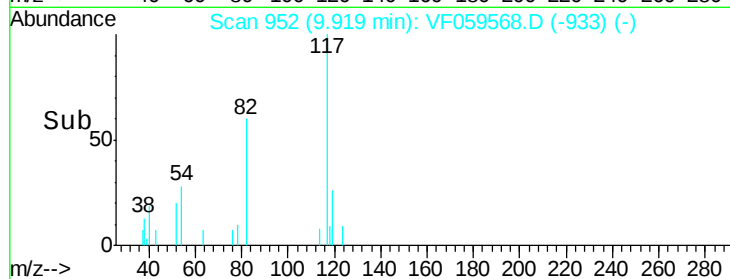
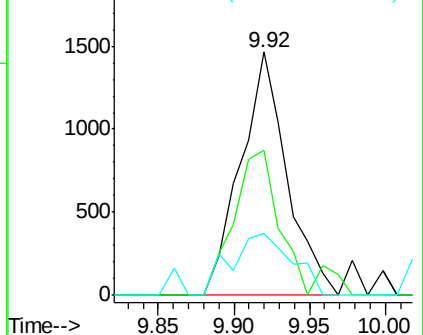
119 25.6 27.2 40.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059568.D

Acq: 19 Jul 2018 21:24

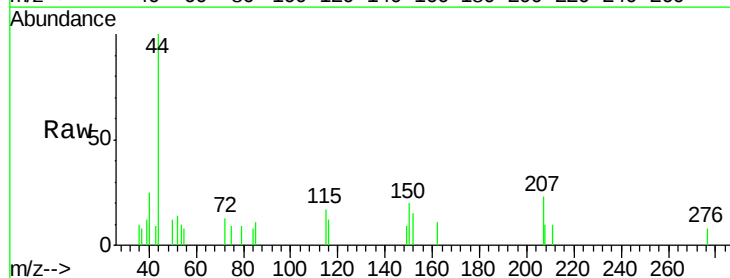
Tgt Ion:152 Resp: 117

Ion Ratio Lower Upper

152 100

115 109.1 27.8 83.3#

150 128.8 0.0 318.4



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

