

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059784.D
 Acq On : 2 Aug 2018 6:13
 Operator : VA/AP
 Sample : J4241-01
 Misc : 6.92g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FS-RO-226

Quant Time: Aug 02 07:59:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	203592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	292577	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	229786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	88629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	149102	40.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.50%	
35) Dibromofluoromethane	4.29	113	127060	41.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.62%	
50) Toluene-d8	7.71	98	240303	33.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.82%	
62) 4-Bromofluorobenzene	11.52	95	83769	21.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.70%	

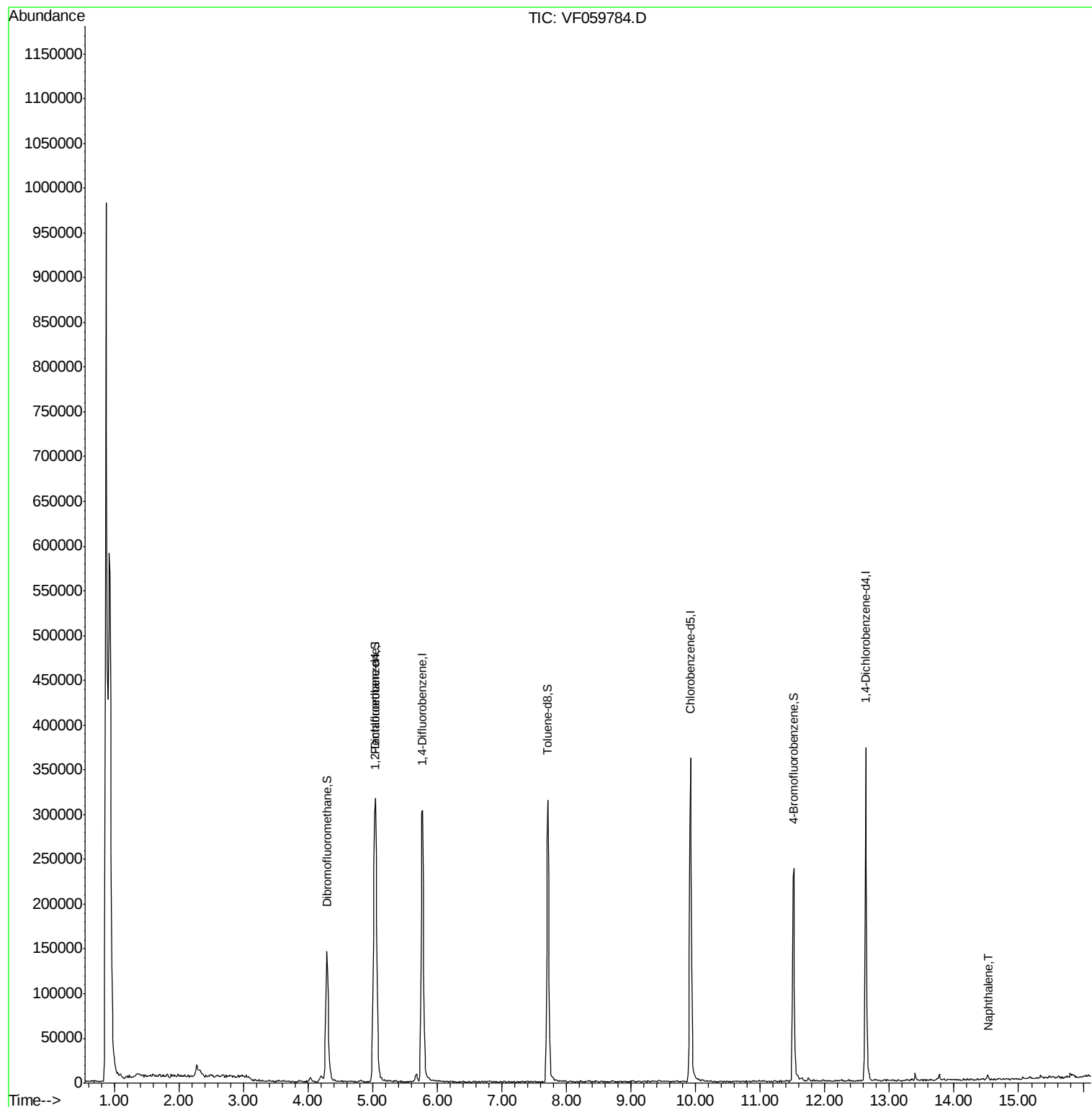
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
95) Naphthalene	14.52	128	3845	1.01	ug/l	# 83

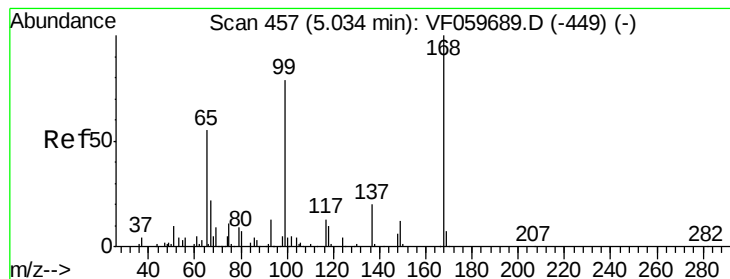
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

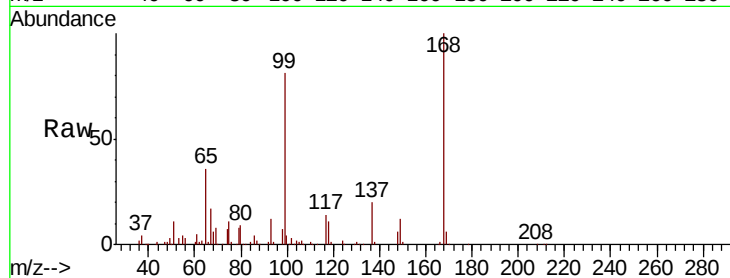
FS-RO-226

Tot Ion:168 Resp: 203592

Ion Ratio Lower Upper

168 100

99 80.6 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

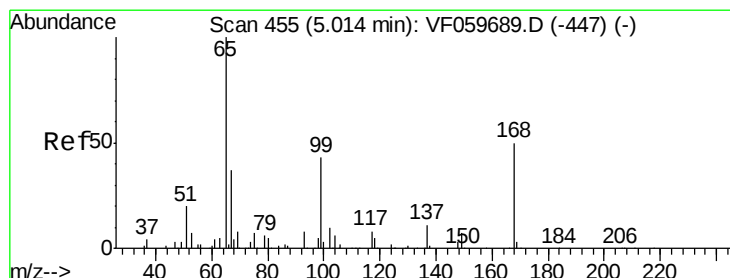
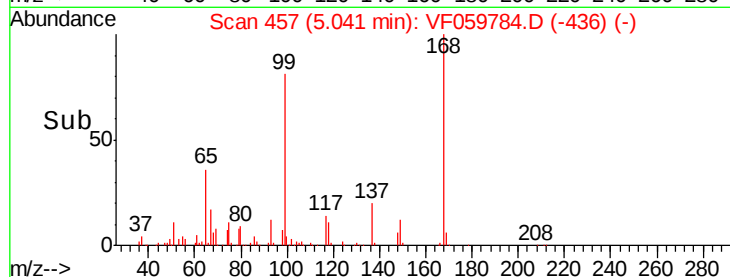
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 40.75 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059784.D

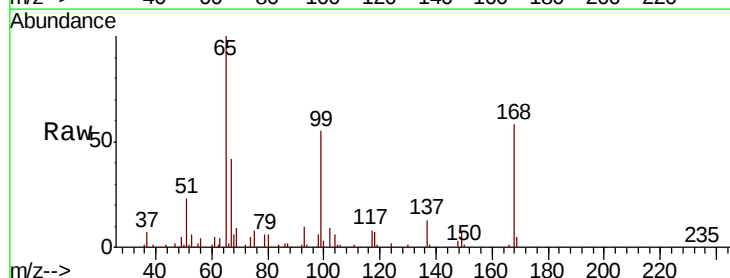
Acq: 2 Aug 2018 6:13

Tgt Ion: 65 Resp: 149102

Ion Ratio Lower Upper

65 100

67 42.3 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

60000

50000

40000

30000

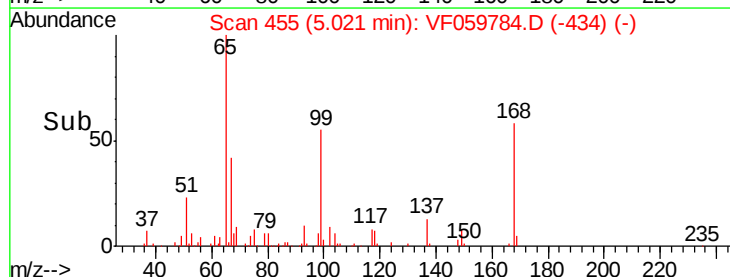
20000

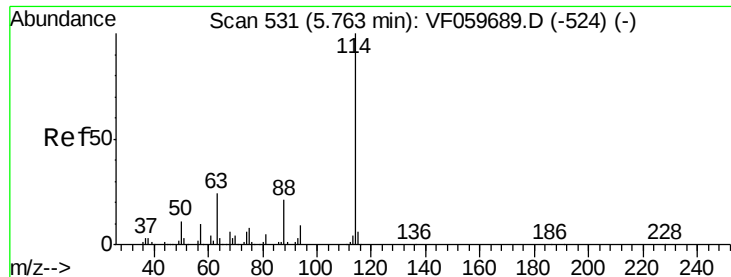
10000

0

Time-->

4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

FS-RO-226

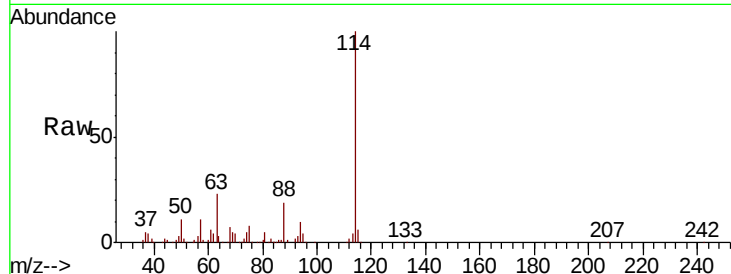
Tot Ion:114 Resp: 292577

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.4

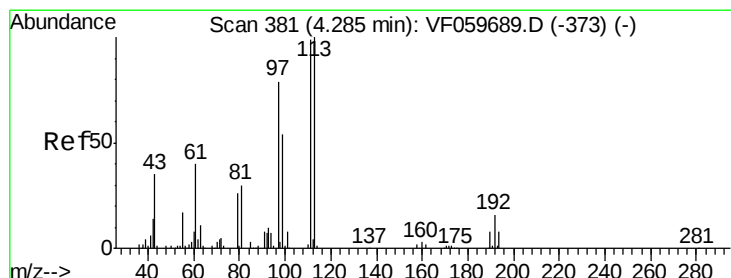
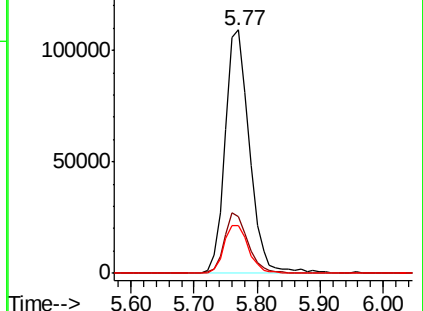
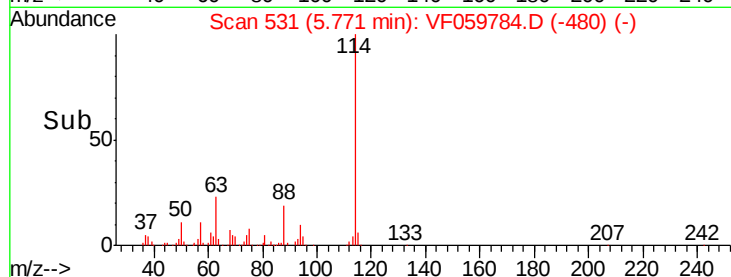
88 19.4 0.0 41.2



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: 41.81 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

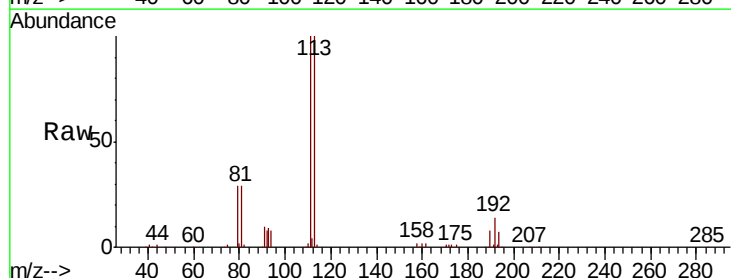
Tgt Ion:113 Resp: 127060

Ion Ratio Lower Upper

113 100

111 100.3 79.0 118.4

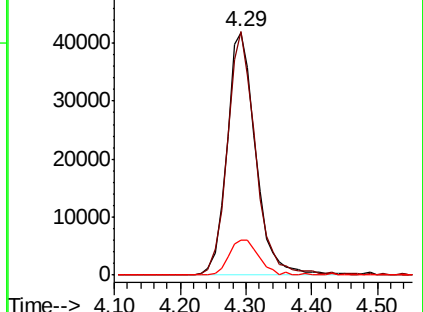
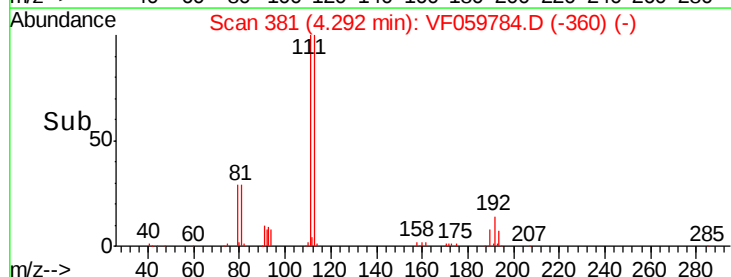
192 14.5 13.2 19.8

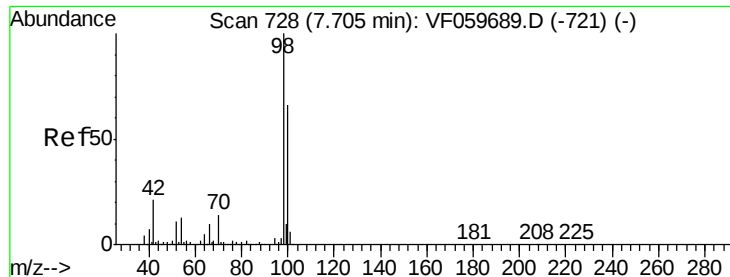


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 33.91 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

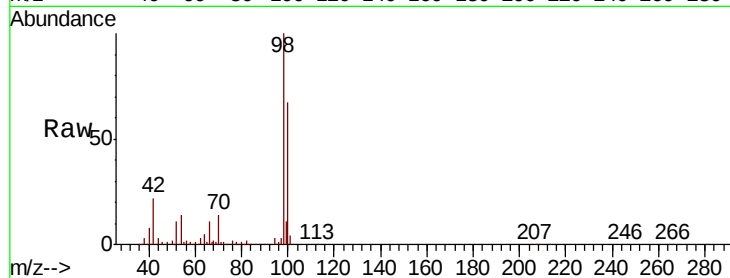
FS-RO-226

Tot Ion: 98 Resp: 240303

Ion Ratio Lower Upper

98 100

100 67.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

120000

100000

80000

60000

40000

20000

0

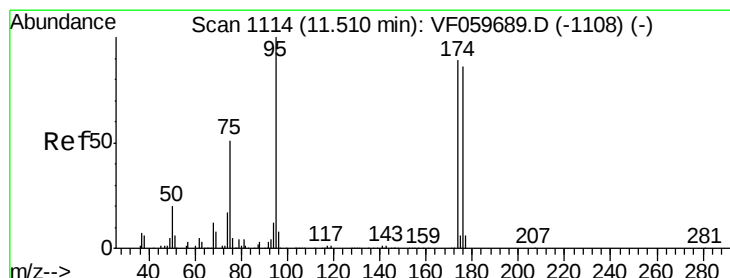
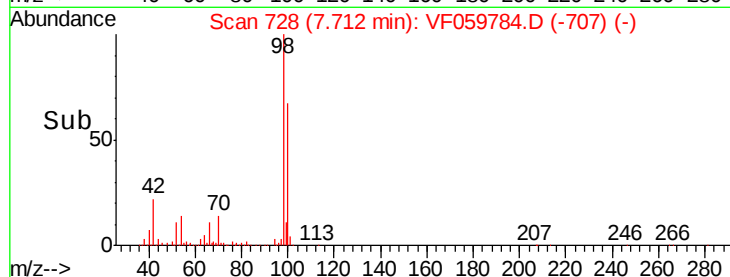
7.60

7.70

7.80

7.90

Time-->



#62

4-Bromofluorobenzene

Concen: 21.35 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

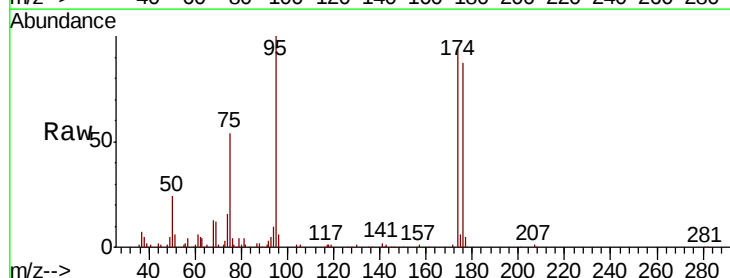
Tgt Ion: 95 Resp: 83769

Ion Ratio Lower Upper

95 100

174 94.0 0.0 178.4

176 87.2 0.0 173.0



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

60000

50000

40000

30000

20000

10000

0

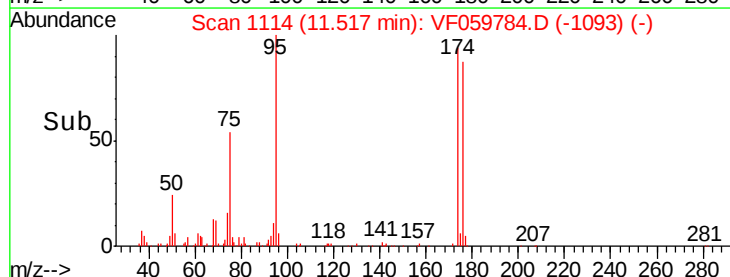
11.40

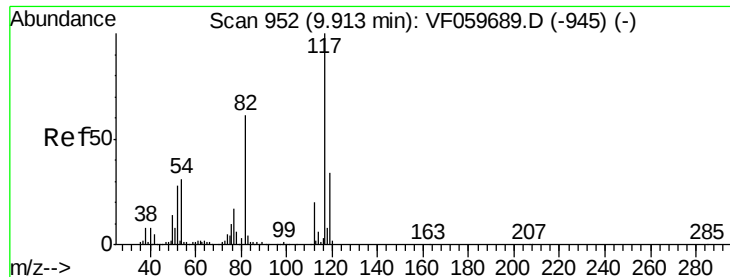
11.50

11.60

11.70

Time-->

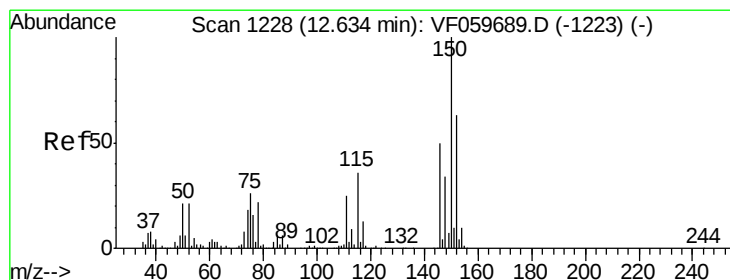
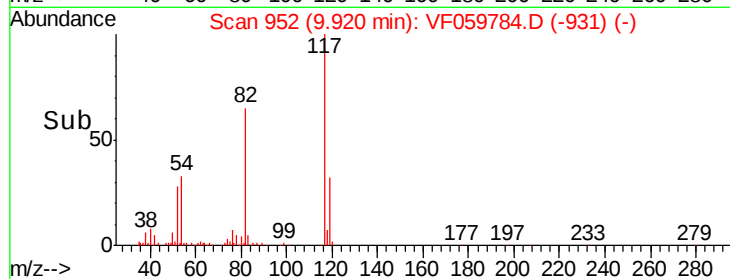
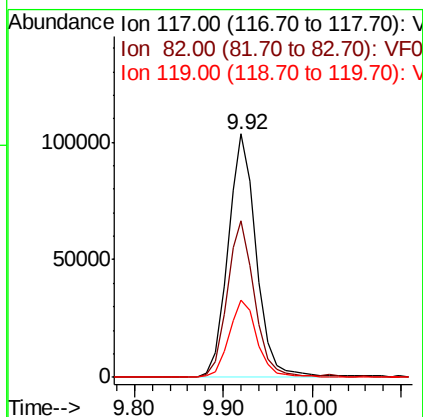
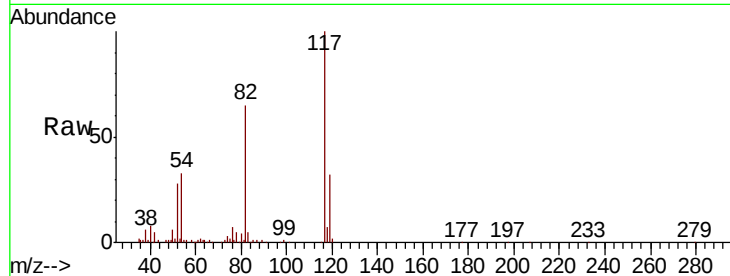




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

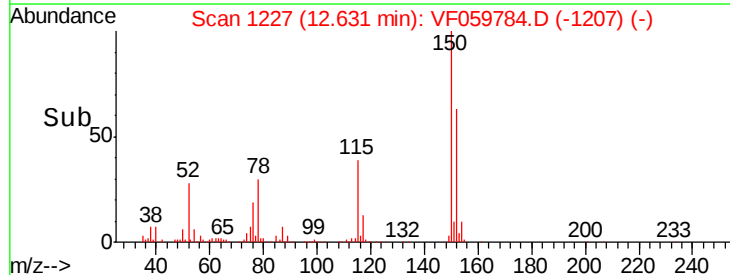
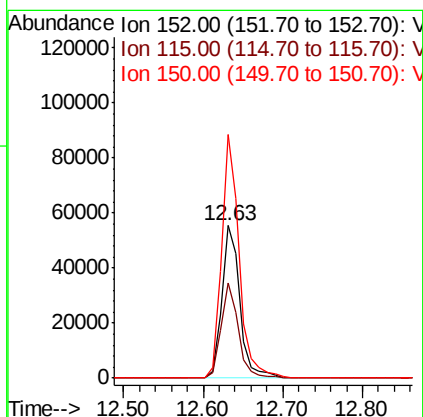
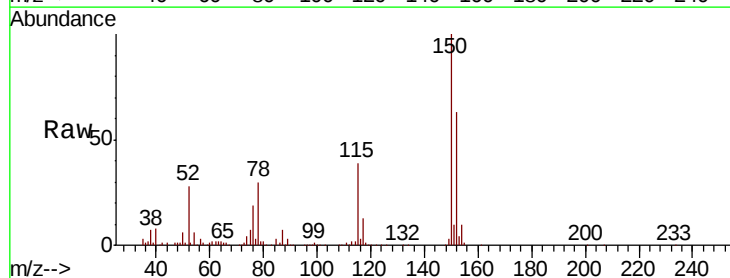
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ClientSampleId :
FS-RO-226

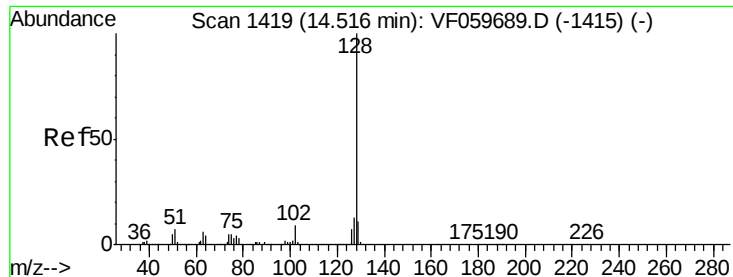
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	49.0	73.4
119	31.5	27.3	40.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	28.2	84.6
150	159.9	0.0	316.2





#95

Naphthalene

Concen: 1.01 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

FS-RO-226

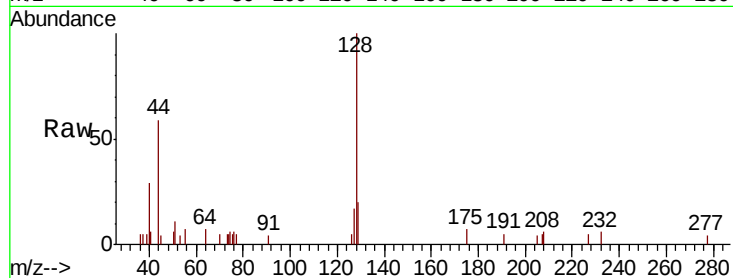
Tot Ion:128 Resp: 3845

Ion Ratio Lower Upper

128 100

127 17.3 10.0 15.0#

129 19.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

