

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062294.D
 Acq On : 25 Apr 2019 16:14
 Operator : FY/SY
 Sample : K2553-01RE
 Misc : 5.37g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200034RE

Quant Time: Apr 26 01:31:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

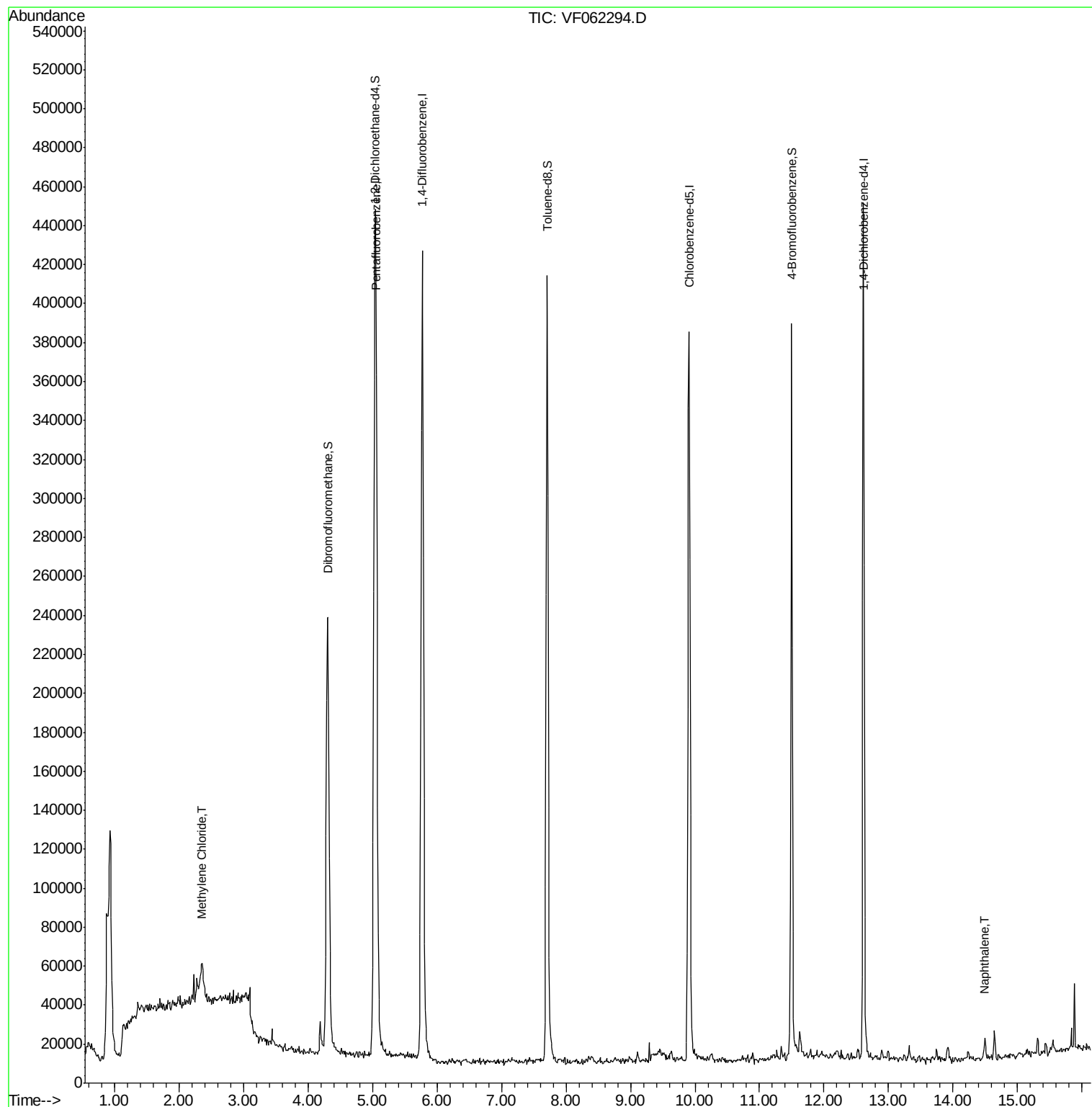
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	366399	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	486686	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	288412	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	113768	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	174511	58.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	117.60%	
35) Dibromofluoromethane	4.30	113	213437	59.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.30%	
50) Toluene-d8	7.71	98	360165	40.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.72%	
62) 4-Bromofluorobenzene	11.50	95	123482	33.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	67.98%	
Target Compounds						
20) Methylene Chloride	2.35	84	21720m	2.660	ug/l	Qvalue
95) Naphthalene	14.49	128	5888	1.307	ug/l #	94

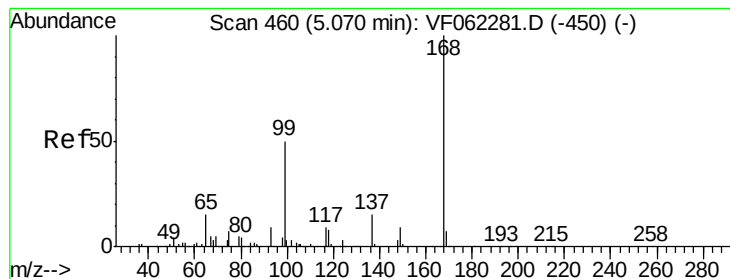
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

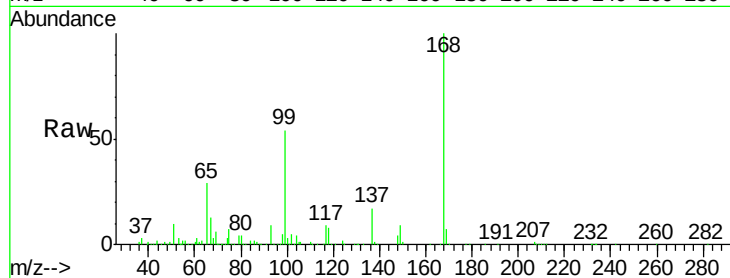
RBR200034RE

Tot Ion:168 Resp: 366399

Ion Ratio Lower Upper

168 100

99 53.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

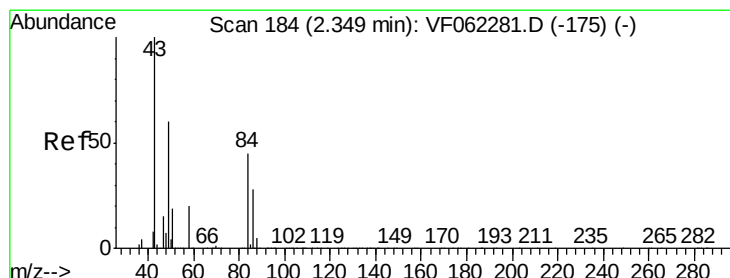
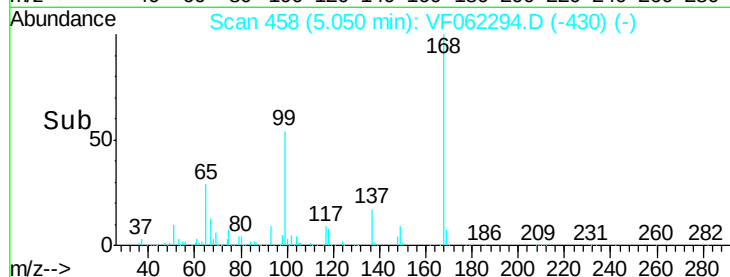
5.05

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 2.660 ug/l m

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Tgt Ion: 84 Resp: 21720

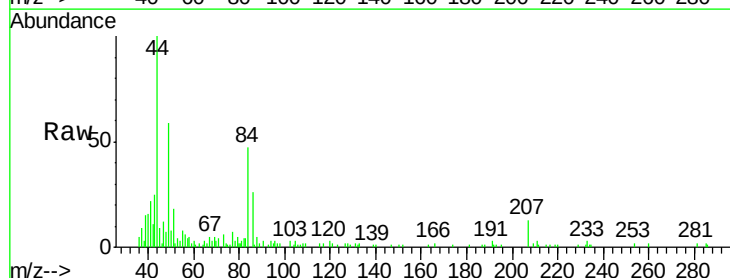
Ion Ratio Lower Upper

84 100

49 124.3 112.1 168.1

51 38.6 35.9 53.9

86 54.4 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

8000

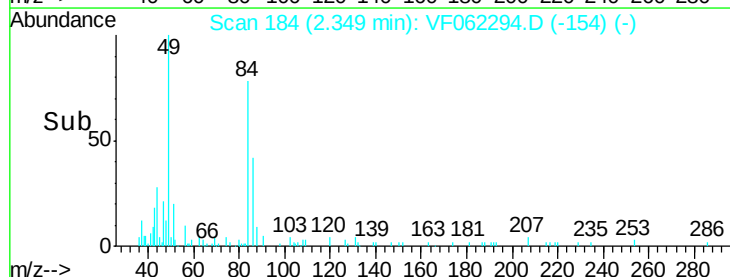
6000

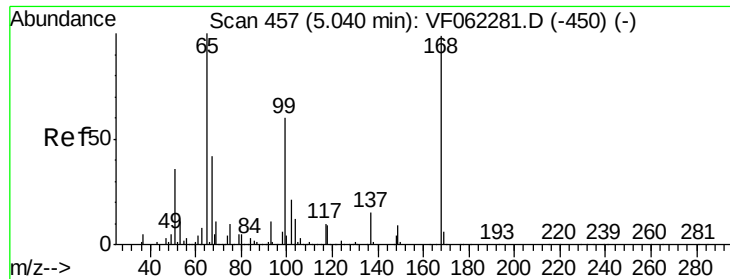
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.800 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

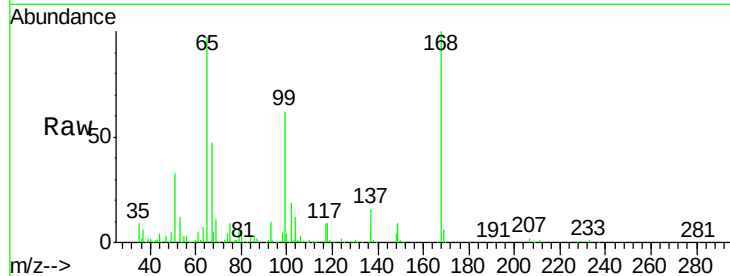
RBR200034RE

Tot Ion: 65 Resp: 174511

Ion Ratio Lower Upper

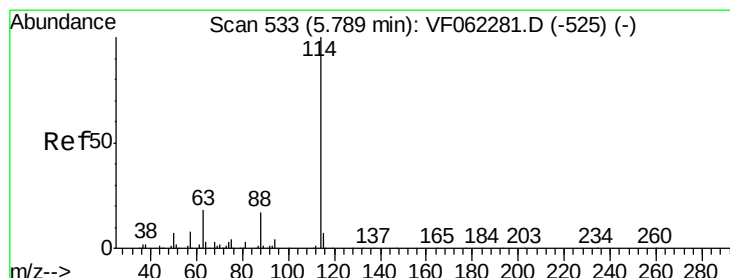
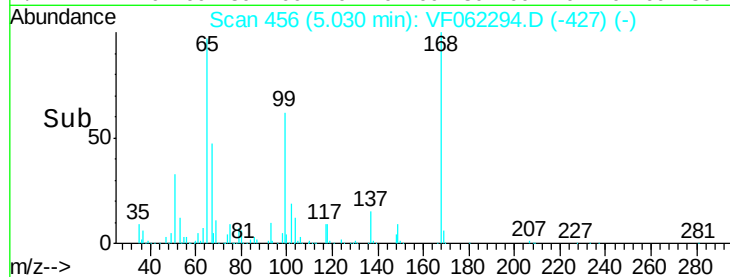
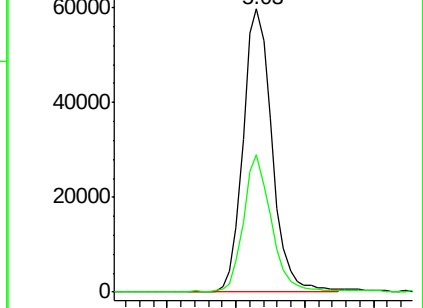
65 100

67 46.9 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

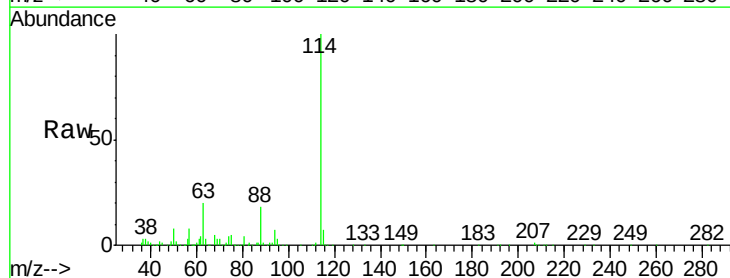
Tgt Ion: 114 Resp: 486686

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.6

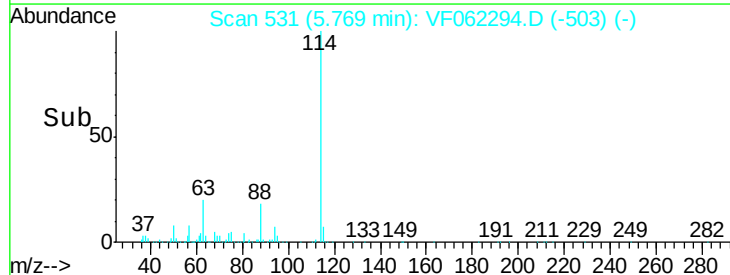
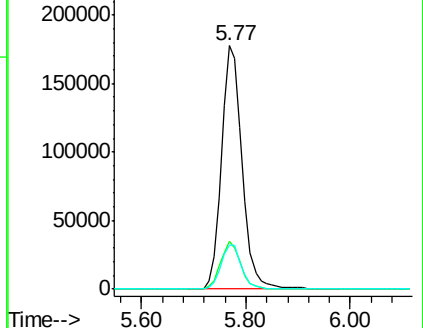
88 18.1 0.0 34.6

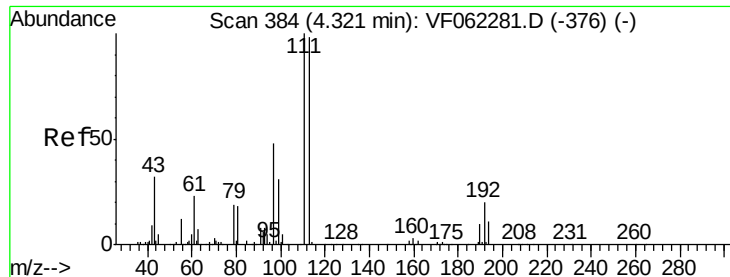


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 59.148 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

RBR200034RE

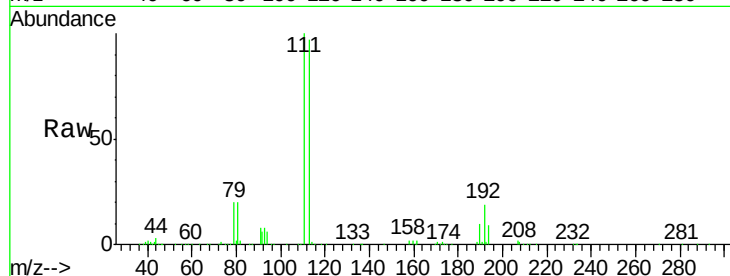
Tot Ion:113 Resp: 213437

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

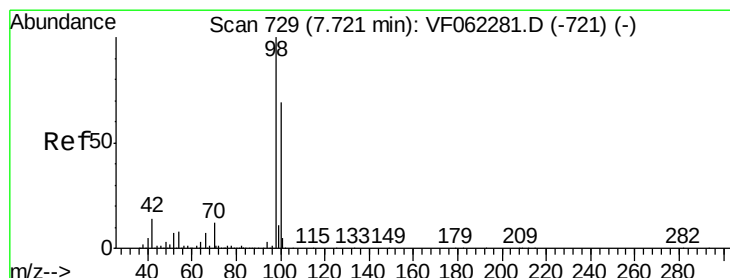
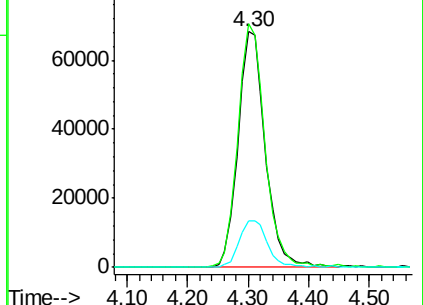
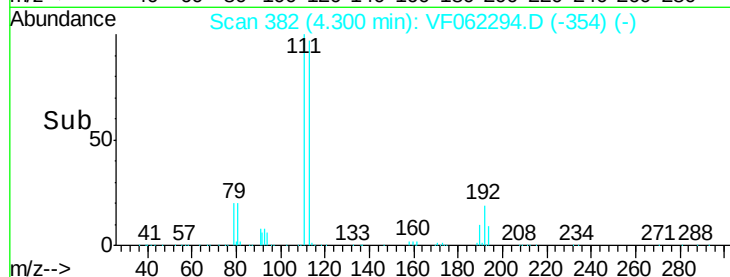
192 21.0 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 40.862 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062294.D

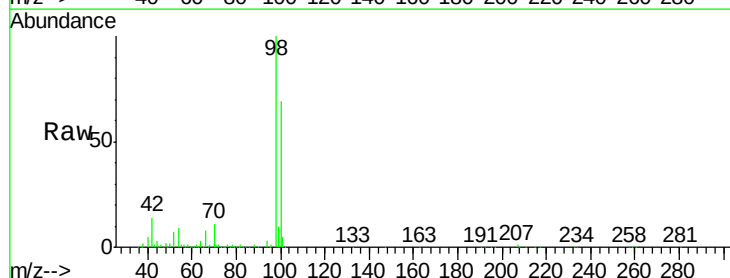
Acq: 25 Apr 2019 16:14

Tgt Ion: 98 Resp: 360165

Ion Ratio Lower Upper

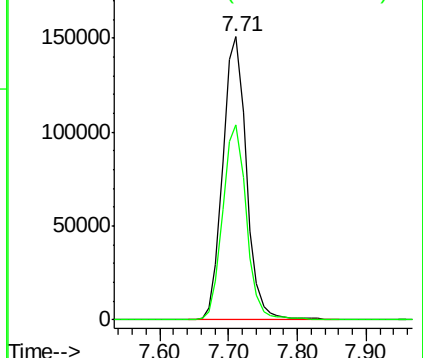
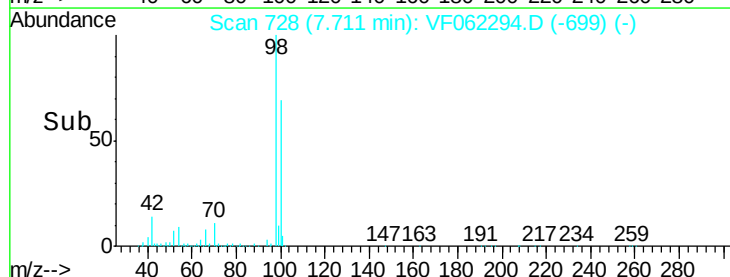
98 100

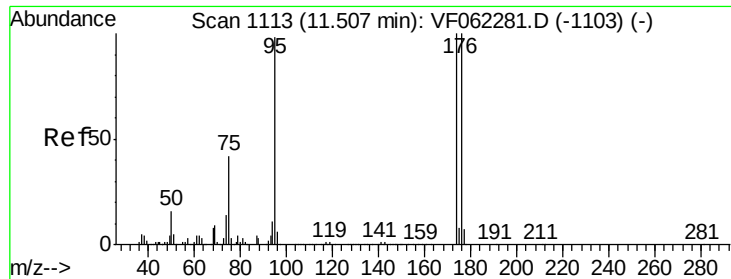
100 68.7 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 33.988 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

RBR200034RE

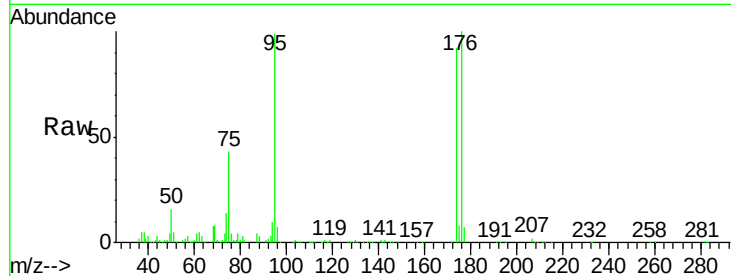
Tot Ion: 95 Resp: 123482

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.2

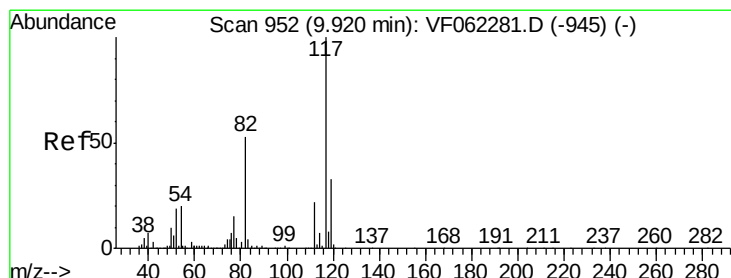
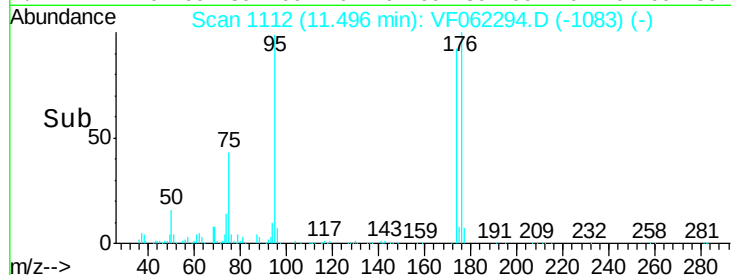
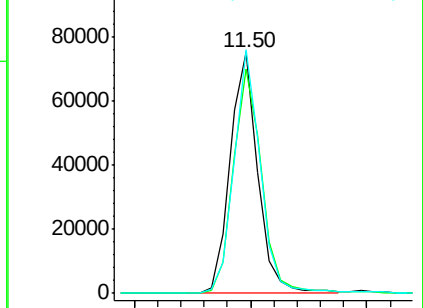
176 96.5 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

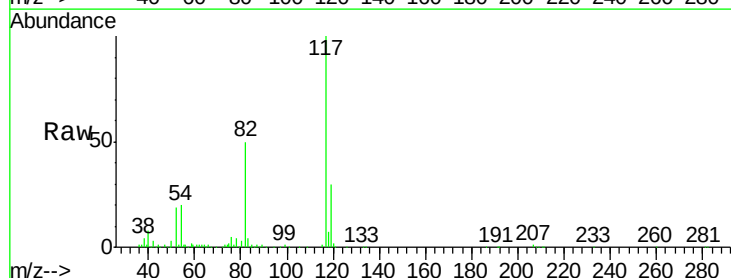
Tgt Ion: 117 Resp: 288412

Ion Ratio Lower Upper

117 100

82 50.1 42.6 64.0

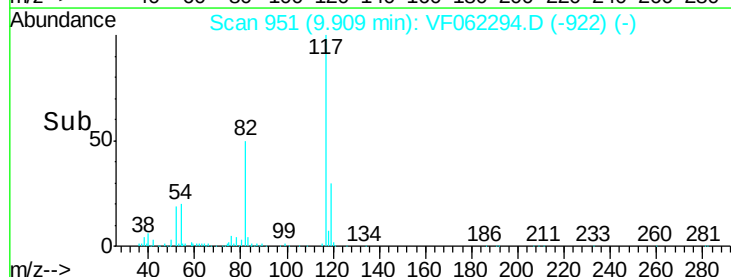
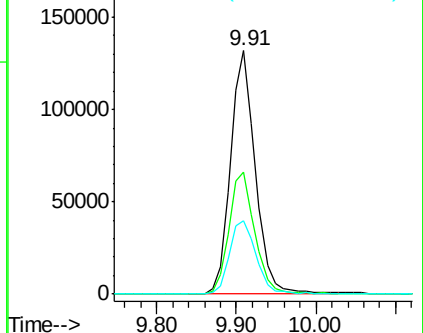
119 30.3 26.1 39.1

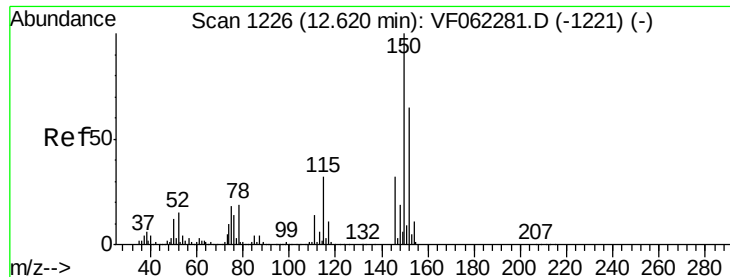


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



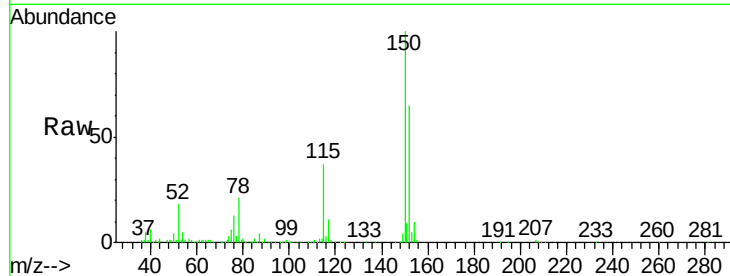


#72

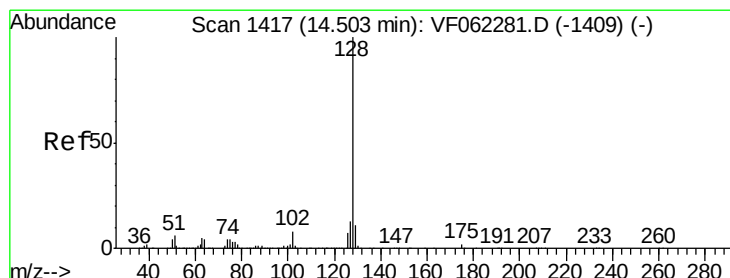
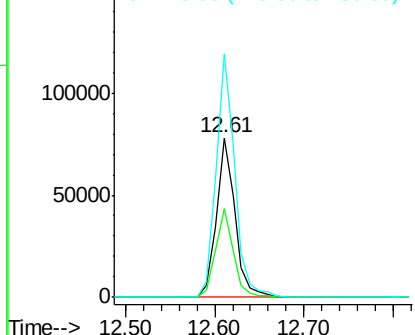
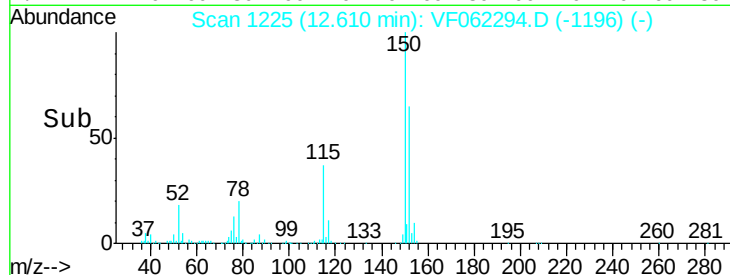
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

Tot Ion:152 Resp: 113768
Ion Ratio Lower Upper
152 100
115 53.7 25.6 76.8
150 152.9 0.0 330.6



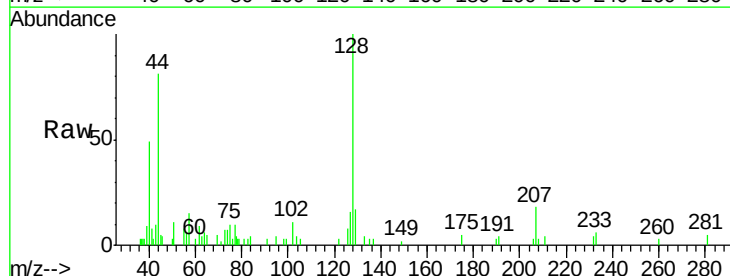
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 1.307 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion:128 Resp: 5888
Ion Ratio Lower Upper
128 100
127 14.3 10.2 15.4
129 14.0 8.9 13.3#



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

