

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062320.D
 Acq On : 29 Apr 2019 18:43
 Operator : FY/SY
 Sample : K2199-19RE
 Misc : 6.03g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-042919-BRE

Quant Time: Apr 30 04:31:36 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

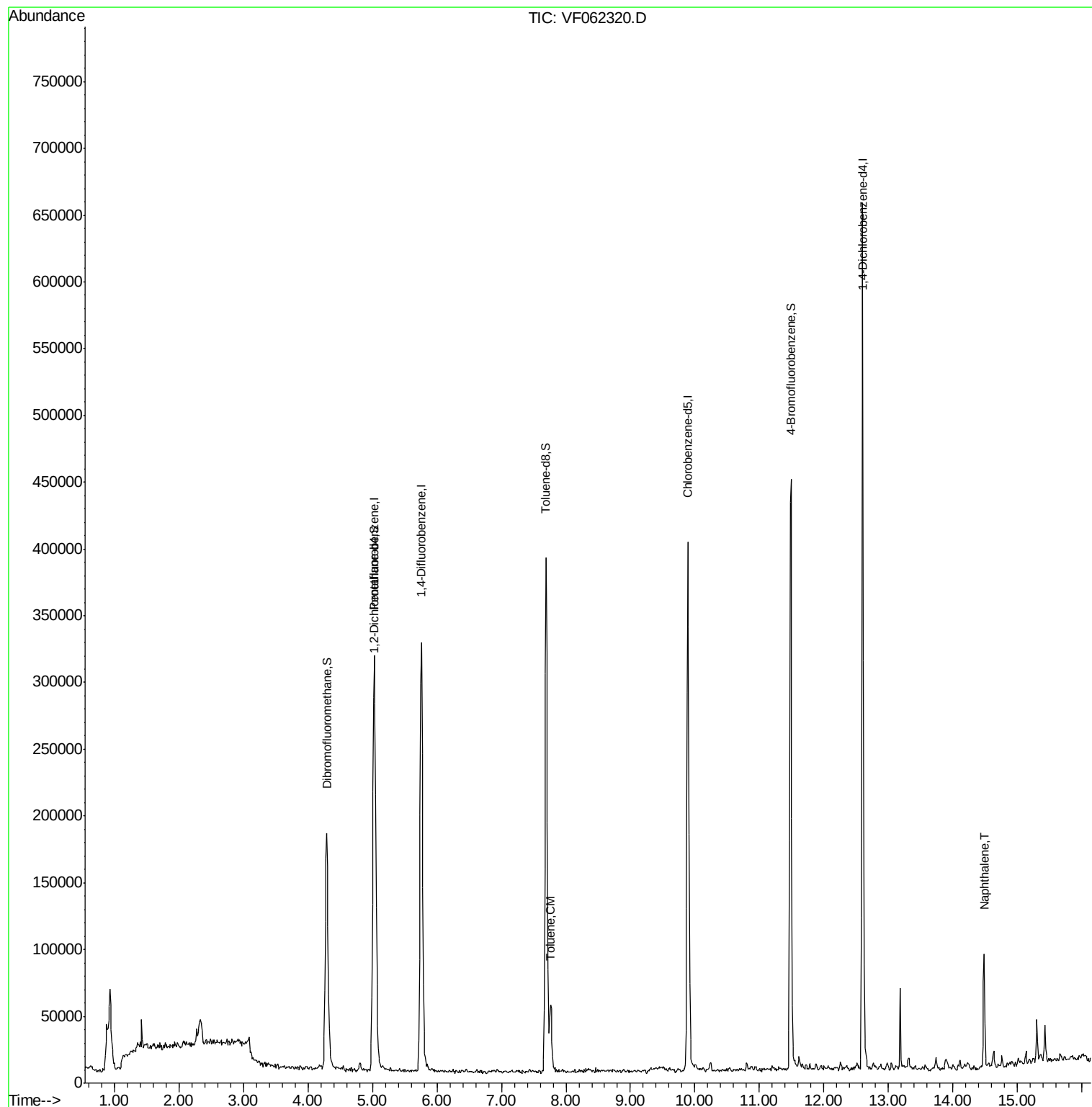
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	251003	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	360814	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	284843	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	176657	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	131490	64.67	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	129.34%	
35) Dibromofluoromethane	4.29	113	162043	60.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	121.14%	
50) Toluene-d8	7.69	98	325263	49.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.48	95	157458	58.46	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.92%	
Target Compounds						
52) Toluene	7.76	92	25299	5.451	ug/l	100
95) Naphthalene	14.48	128	59219	8.468	ug/l	98

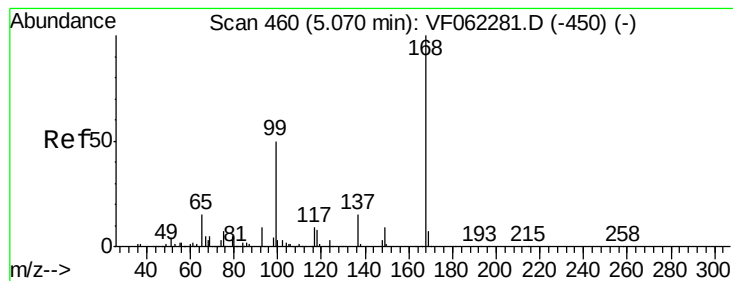
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampleId :

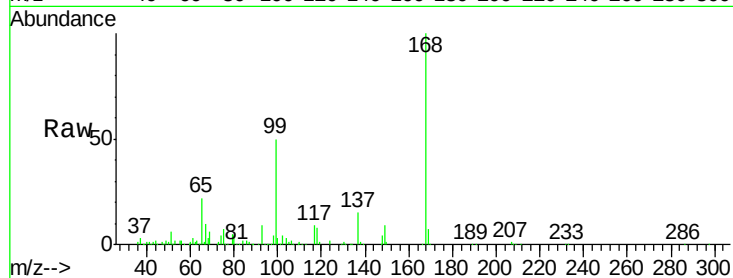
OR-02-042919-BRE

Tot Ion:168 Resp: 251003

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

80000

60000

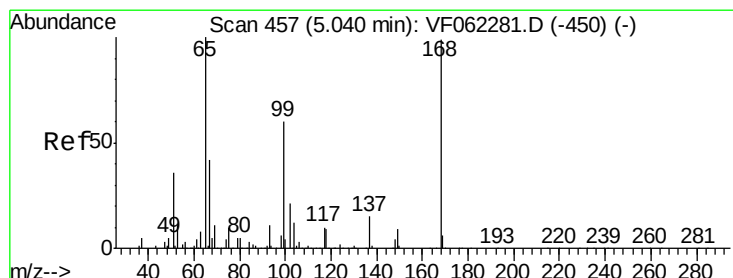
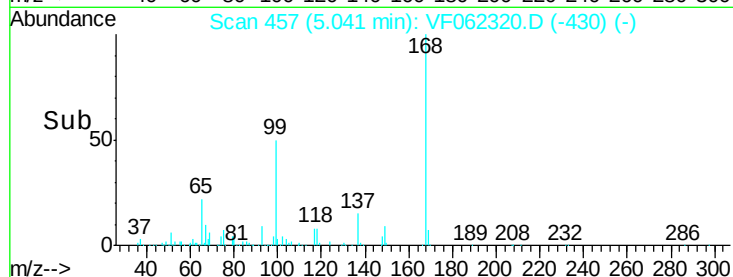
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 64.673 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062320.D

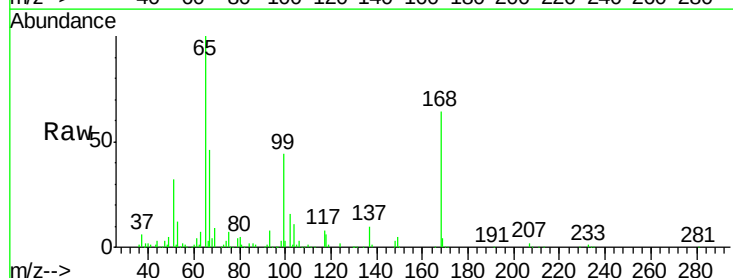
Acq: 29 Apr 2019 18:43

Tgt Ion: 65 Resp: 131490

Ion Ratio Lower Upper

65 100

67 46.6 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.01

50000

40000

30000

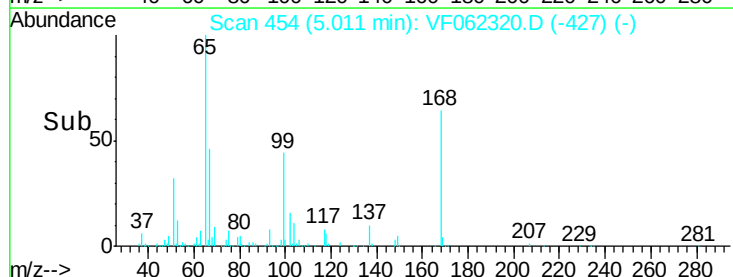
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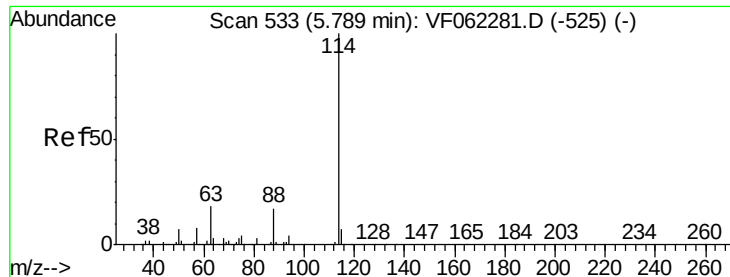
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0

Time-->

4.80 4.90 5.00 5.10 5.20

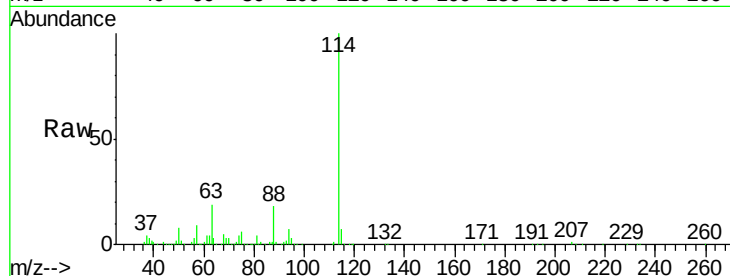




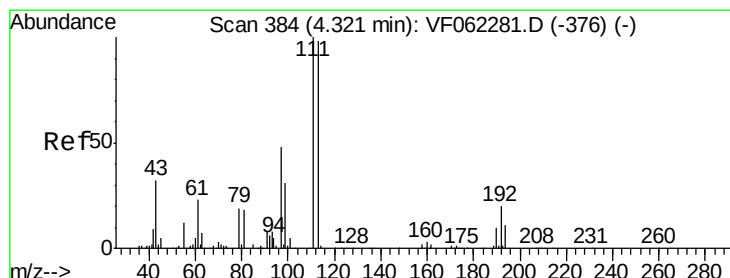
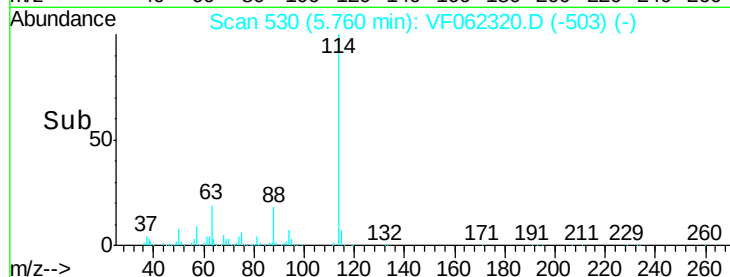
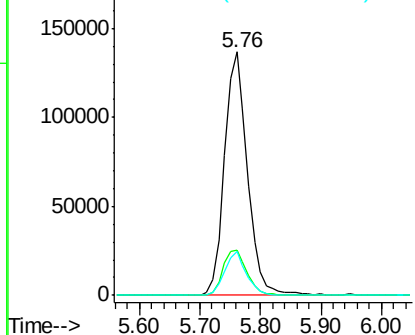
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF062320.D
 Acq: 29 Apr 2019 18:43

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-042919-BRE

Tot Ion:114 Resp: 360814
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.6
 88 17.9 0.0 34.6

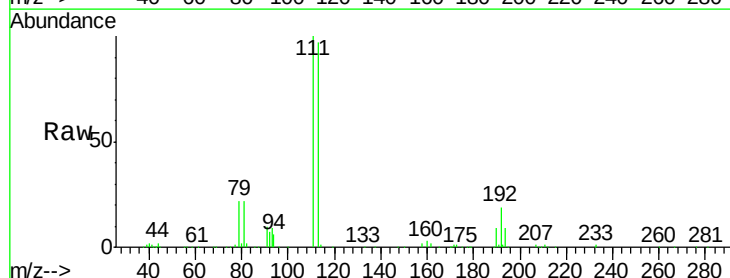


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 87.90 (87.60 to 88.60): VF0

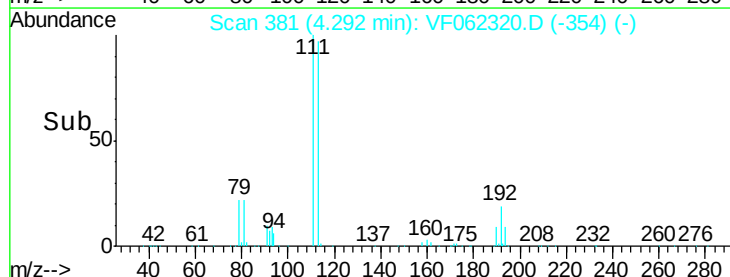
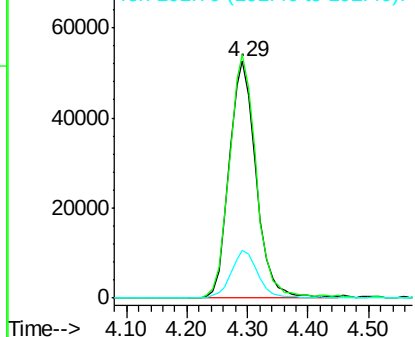


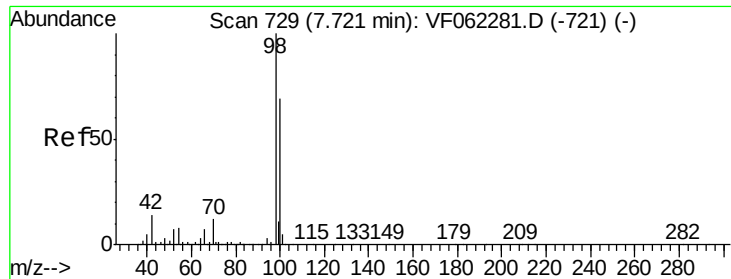
#35
 Dibromofluoromethane
 Concen: 60.571 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.03 min
 Lab File: VF062320.D
 Acq: 29 Apr 2019 18:43

Tgt Ion:113 Resp: 162043
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.2
 192 20.2 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: 49.775 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampleId :

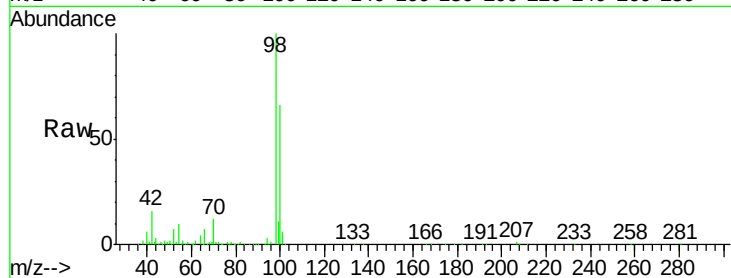
OR-02-042919-BRE

Tot Ion: 98 Resp: 325263

Ion Ratio Lower Upper

98 100

100 67.4 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.69

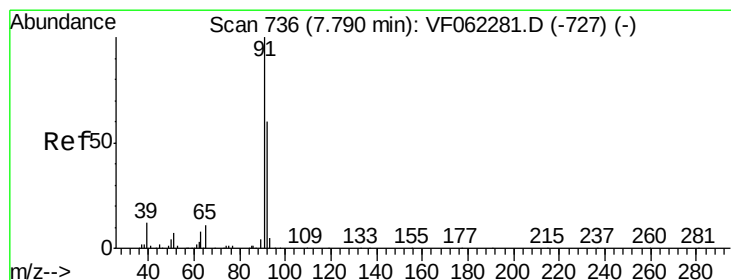
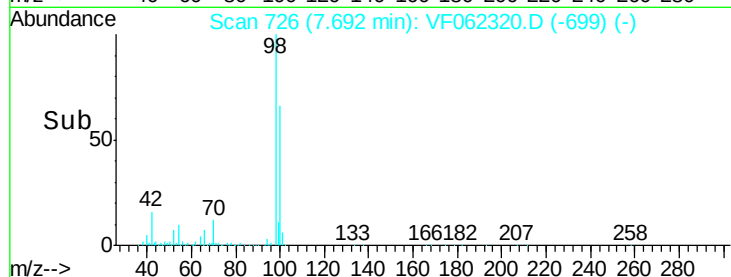
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 5.451 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF062320.D

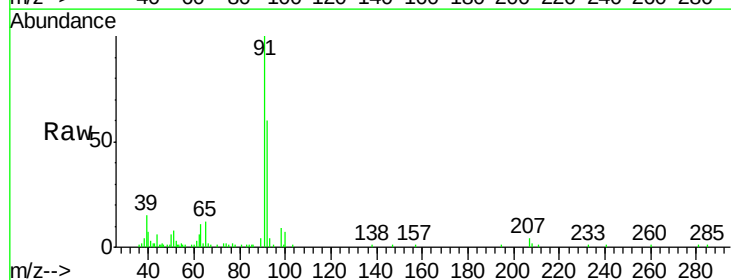
Acq: 29 Apr 2019 18:43

Tgt Ion: 92 Resp: 25299

Ion Ratio Lower Upper

92 100

91 166.0 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

20000

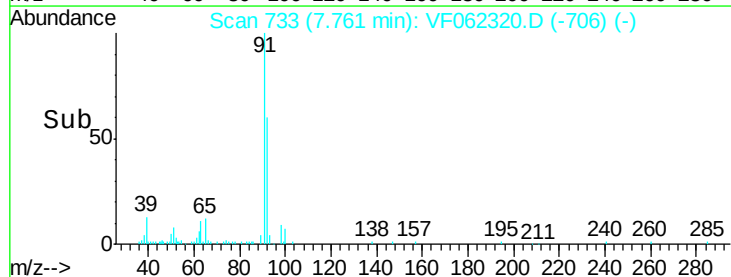
15000

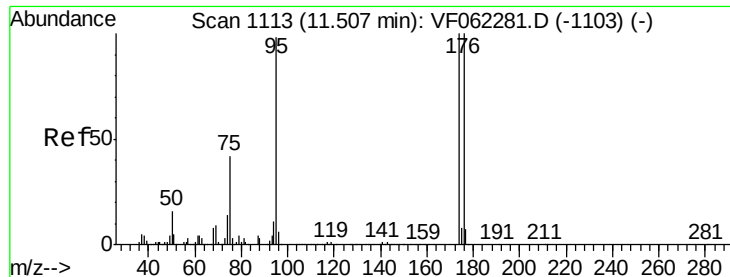
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 58.459 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampleId :

OR-02-042919-BRE

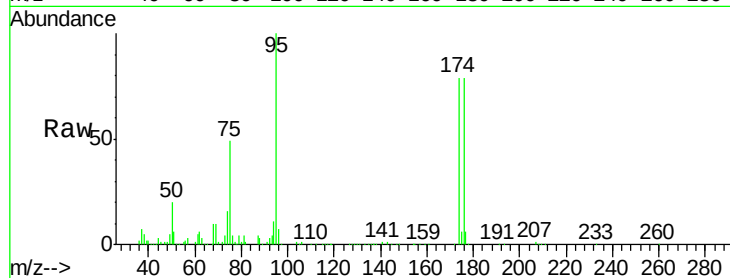
Tot Ion: 95 Resp: 157458

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

176 93.9 0.0 184.8



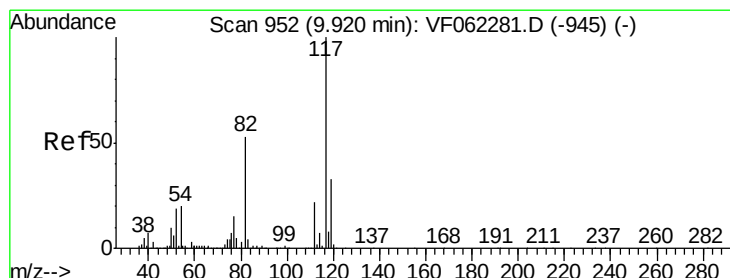
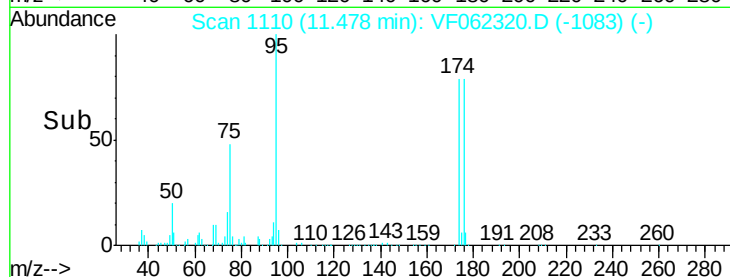
Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0

11.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 949

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

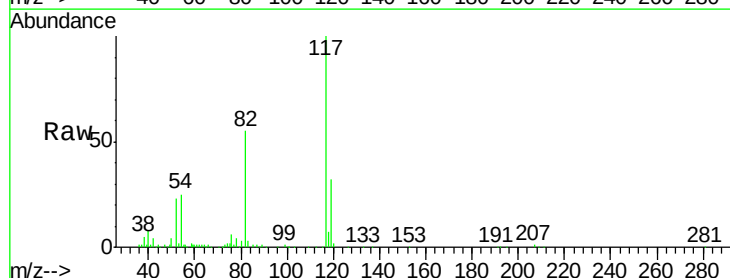
Tgt Ion: 117 Resp: 284843

Ion Ratio Lower Upper

117 100

82 55.0 42.6 64.0

119 31.5 26.1 39.1



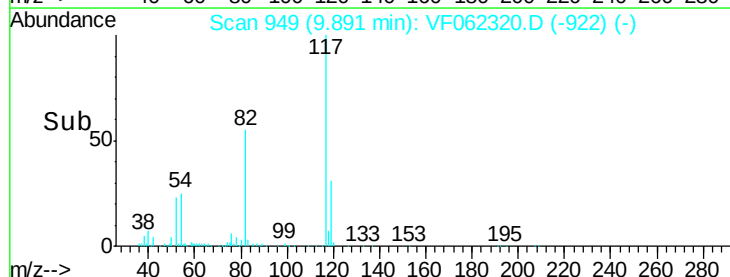
Abundance Ion 116.90 (116.60 to 117.60): VF0

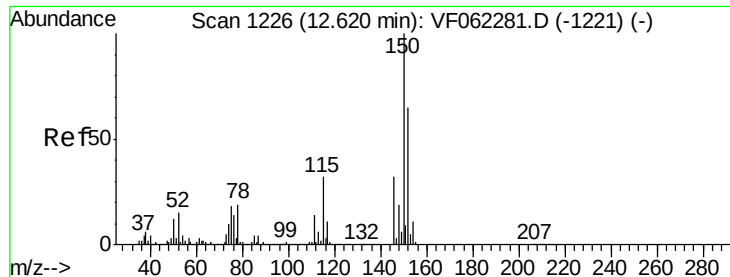
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0

9.89

Time-->



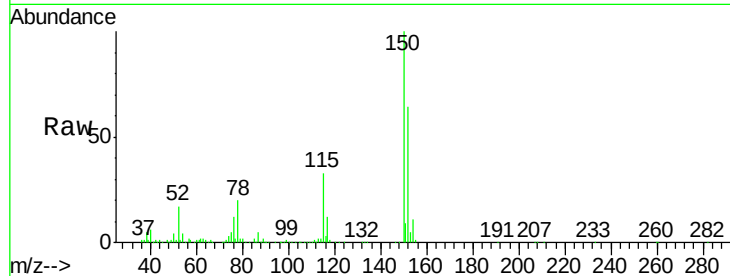


#72

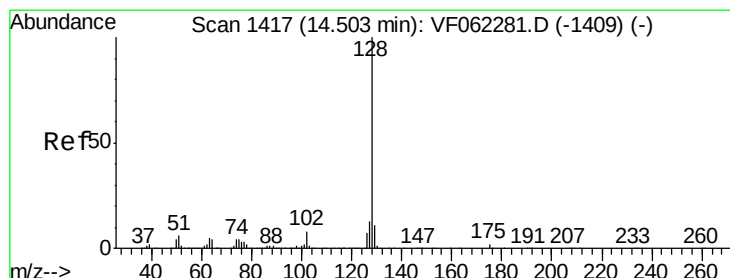
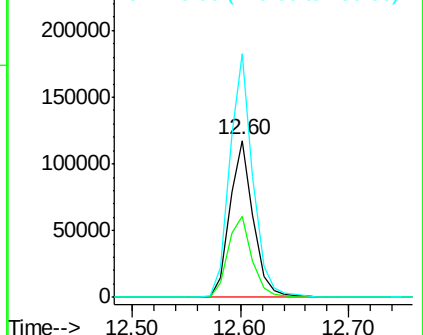
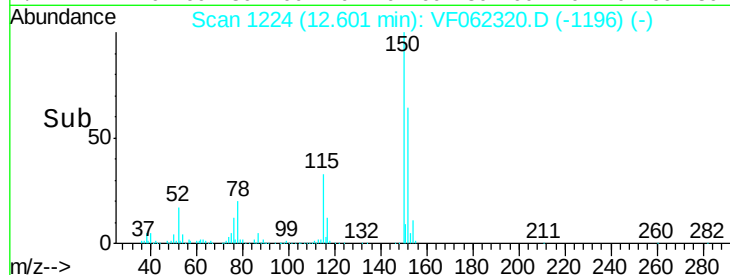
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Instrument :
MSVOA_F
ClientSampleId :
OR-02-042919-BRE

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.6	76.8
150	153.7	0.0	330.6



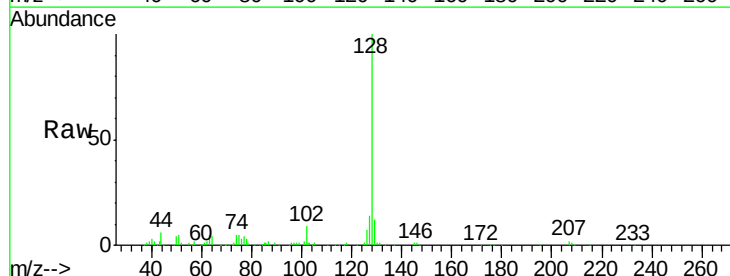
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 8.468 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	11.5	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

