

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\  
 Data File : VF059593.D  
 Acq On : 20 Jul 2018 21:00  
 Operator : VA/AP  
 Sample : J4016-16  
 Misc : 6.13g/5mL/MSVOA F/SOIL  
 ALS Vial : 88 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SB4-L-8

Quant Time: Jul 21 00:22:37 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

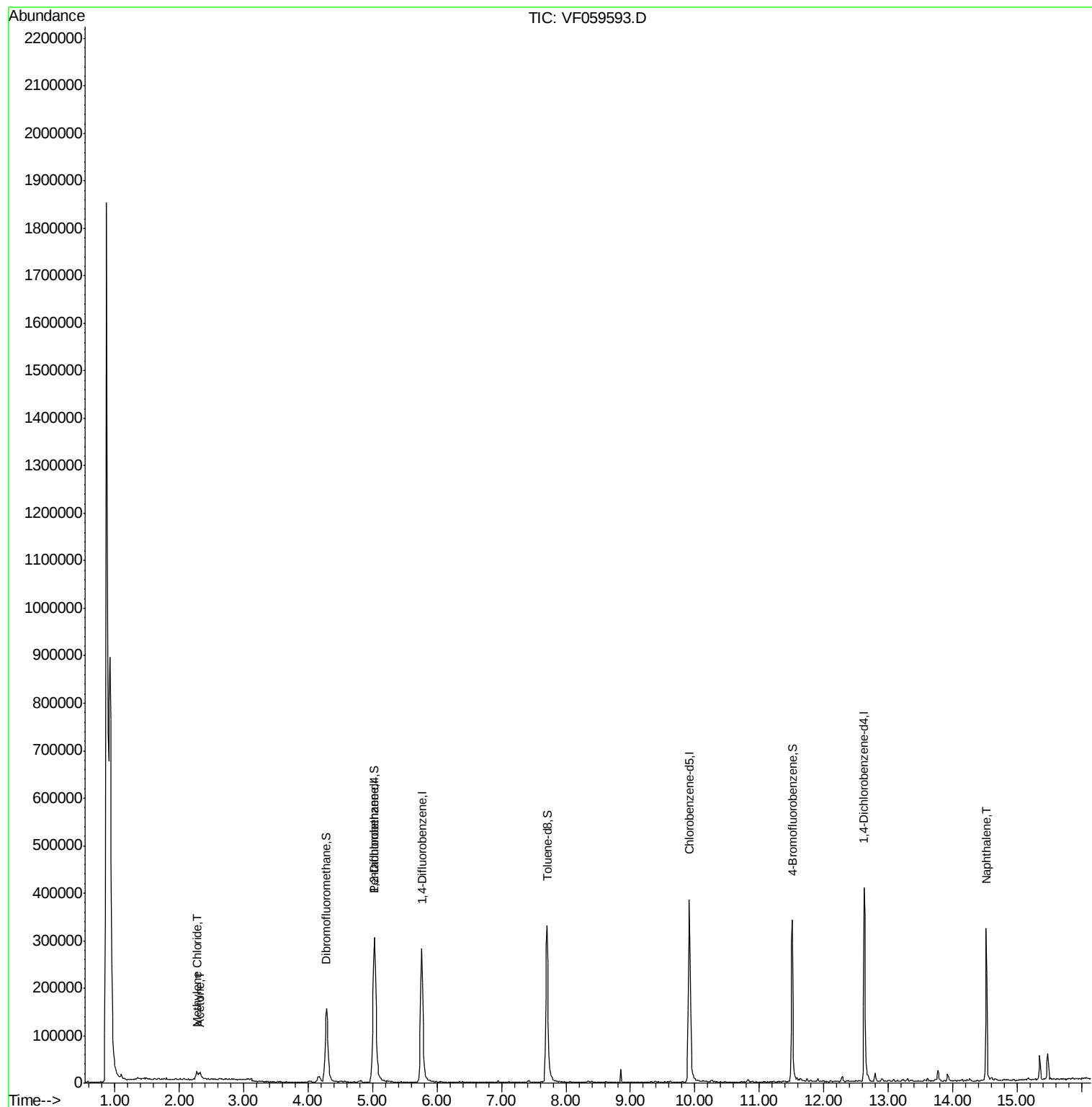
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.04  | 168  | 208500   | 50.00 | ug/l    | -0.02    |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 308358   | 50.00 | ug/l    | -0.02    |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 263037   | 50.00 | ug/l    | -0.02    |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 109163   | 50.00 | ug/l    | -0.02    |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 167079   | 51.52 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.04% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 142217   | 53.25 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.50% |          |
| 50) Toluene-d8              | 7.71  | 98   | 280745   | 41.73 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 83.46%  |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 117927   | 33.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 66.84%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.33  | 43   | 20191    | 15.88 | ug/l    | 99       |
| 20) Methylene Chloride      | 2.28  | 84   | 9371     | 2.01  | ug/l    | # 76     |
| 95) Naphthalene             | 14.52 | 128  | 226776   | 56.71 | ug/l    | 100      |

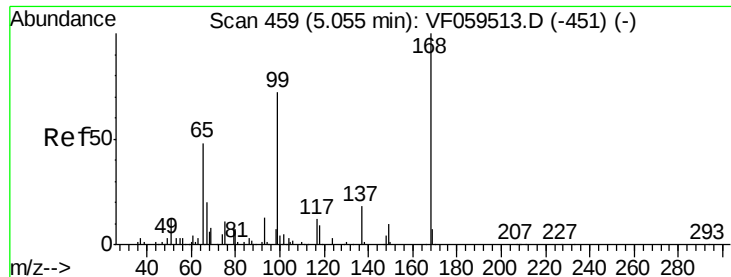
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\  
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MSVOA\_F  
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SB4-L-8

Quant Time: Jul 21 00:22:37 2018  
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Quant Title : SW846 8260  
QLast Update : Wed Jul 18 04:09:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Instrument :

MSVOA\_F

ClientSampleId :

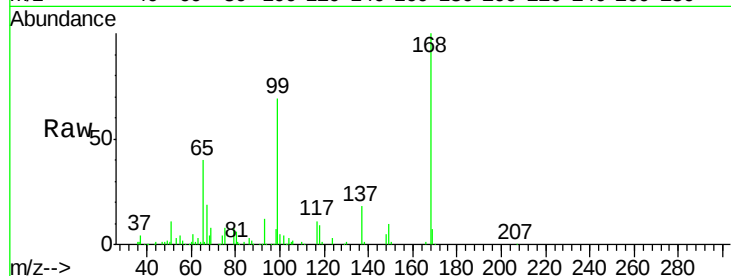
SB4-L-8

Tot Ion:168 Resp: 208500

Ion Ratio Lower Upper

168 100

99 68.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

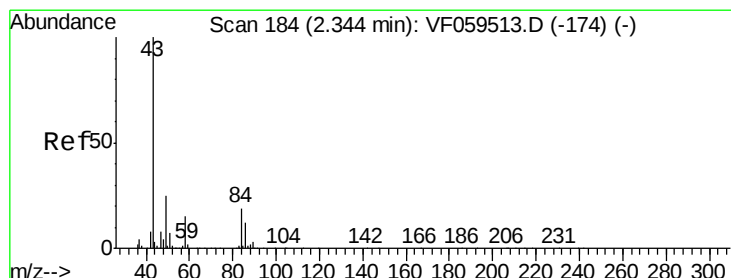
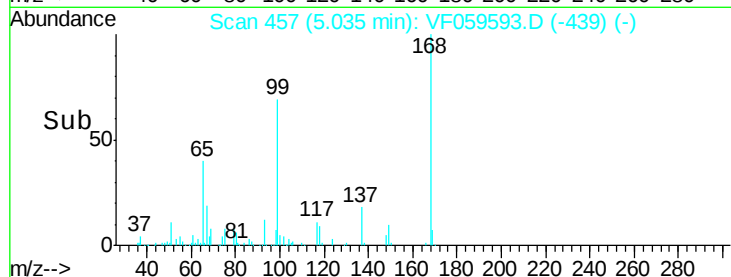
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 15.88 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059593.D

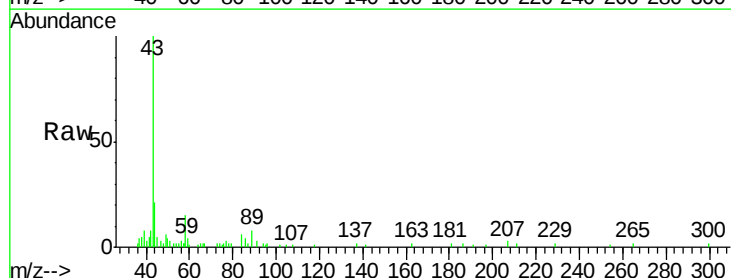
Acq: 20 Jul 2018 21:00

Tgt Ion: 43 Resp: 20191

Ion Ratio Lower Upper

43 100

58 15.1 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

8000

6000

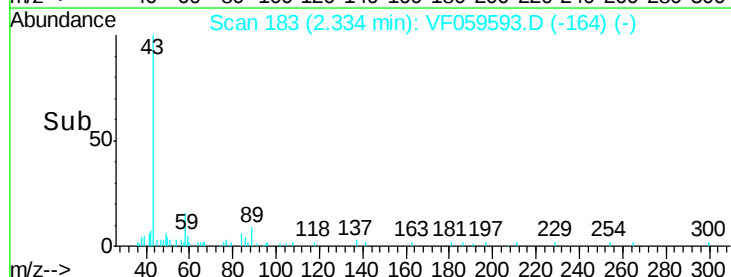
4000

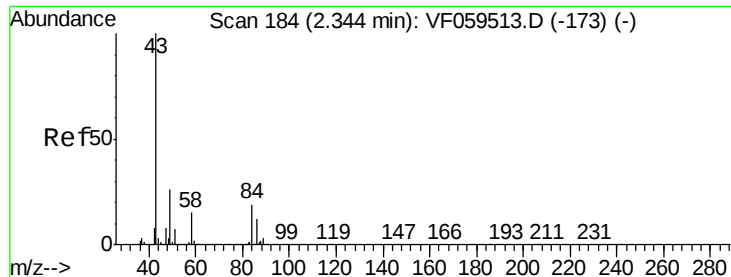
2000

0

Time-->

2.30 2.40

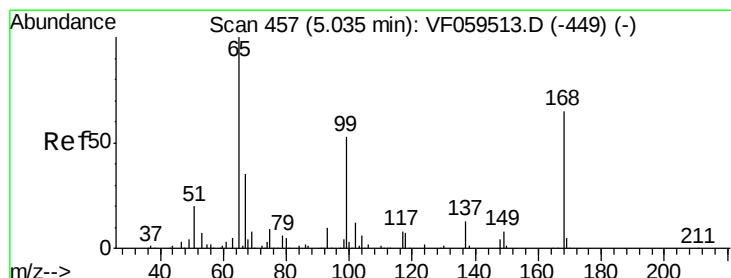
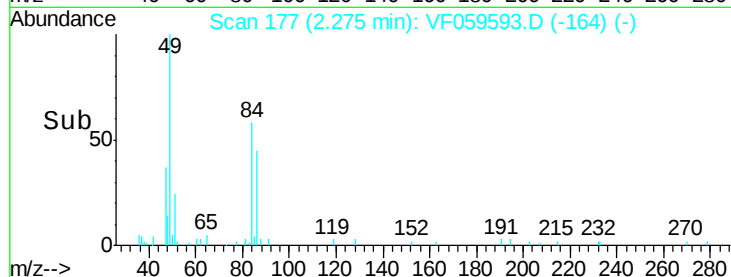
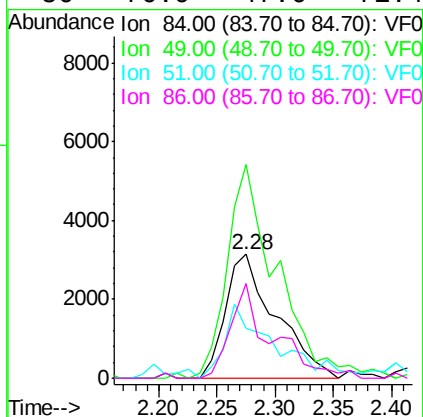
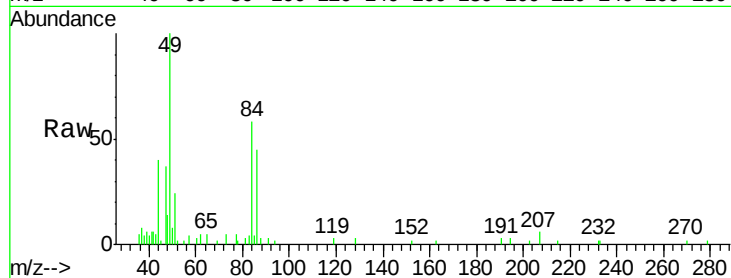




#20  
Methvlene Chloride  
Concen: 2.01 ug/l  
RT: 2.28 min Scan# 177  
Delta R.T. -0.07 min  
Lab File: VF059593.D  
Acq: 20 Jul 2018 21:00

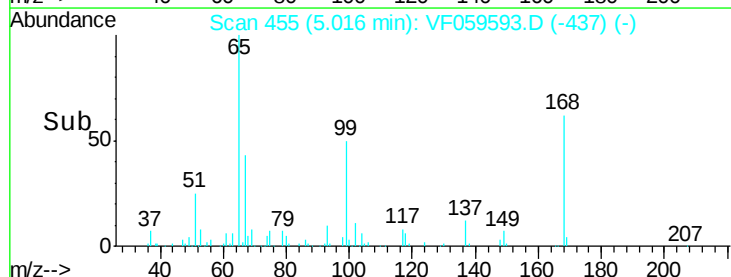
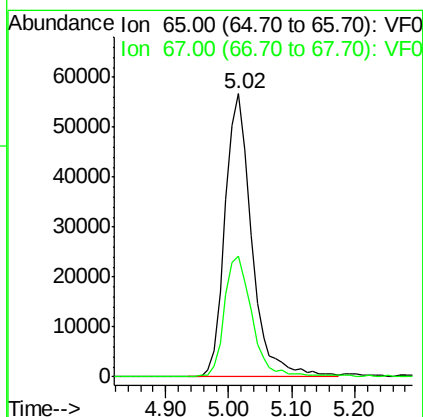
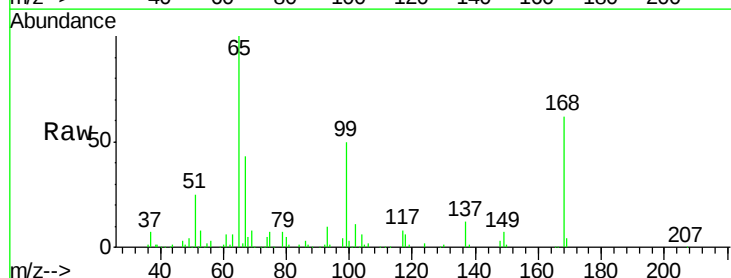
Instrument :  
MSVOA\_F  
ClientSampleId :  
SB4-L-8

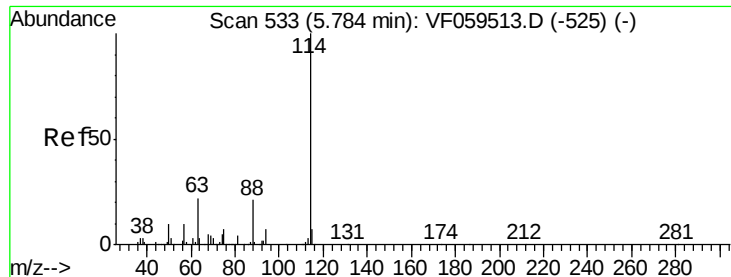
Tot Ion: 84 Resp: 9371  
Ion Ratio Lower Upper  
84 100  
49 172.5 109.4 164.2#  
51 40.7 30.5 45.7  
86 76.9 47.6 71.4#



#33  
1,2-Dichloroethane-d4  
Concen: 51.52 ug/l  
RT: 5.02 min Scan# 455  
Delta R.T. -0.02 min  
Lab File: VF059593.D  
Acq: 20 Jul 2018 21:00

Tgt Ion: 65 Resp: 167079  
Ion Ratio Lower Upper  
65 100  
67 42.7 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Instrument :

MSVOA\_F

ClientSampleId :

SB4-L-8

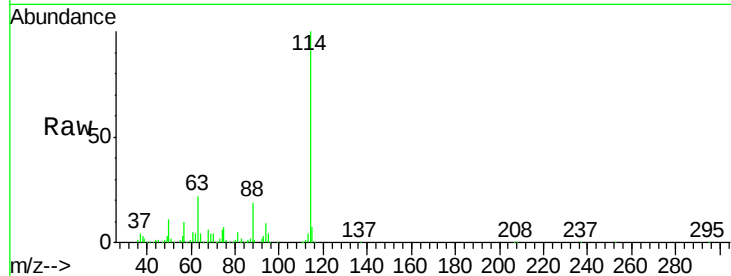
Tot Ion:114 Resp: 308358

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.8

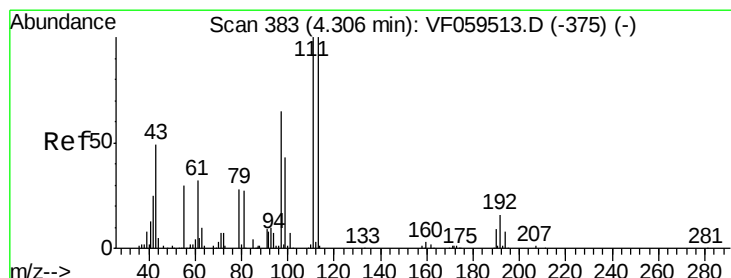
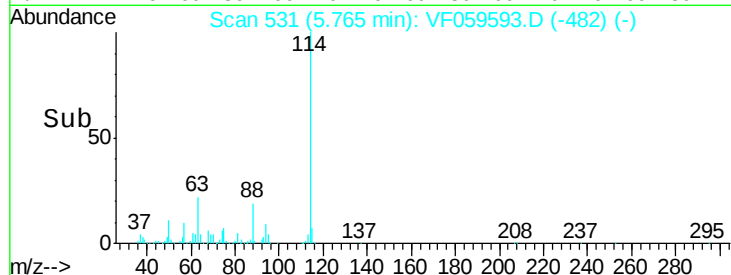
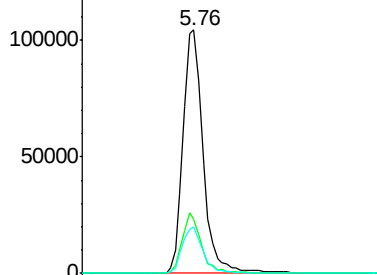
88 19.2 0.0 42.6



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: 53.25 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

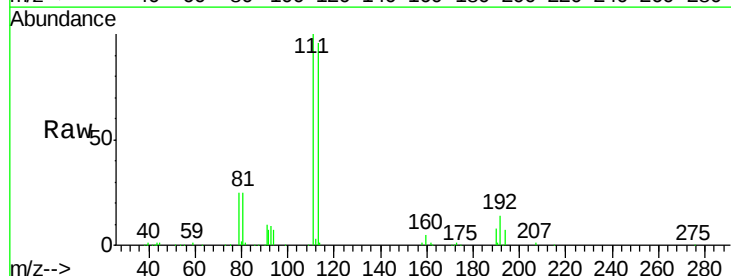
Tgt Ion:113 Resp: 142217

Ion Ratio Lower Upper

113 100

111 104.0 80.3 120.5

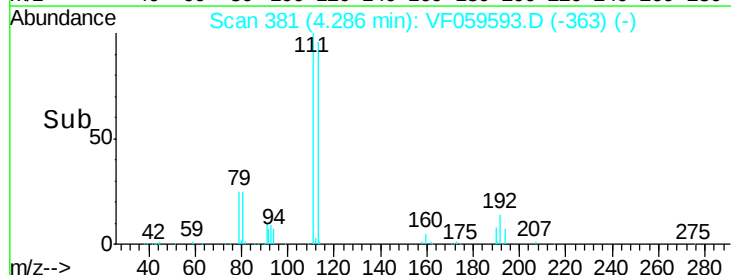
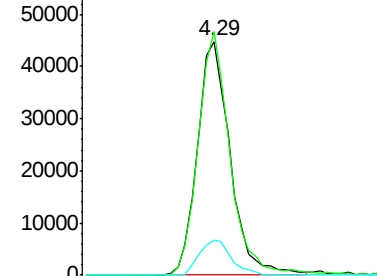
192 14.9 13.1 19.7

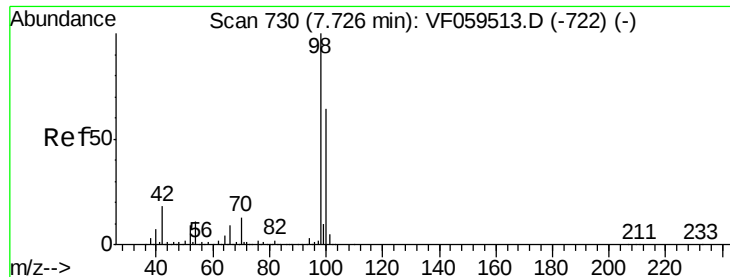


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

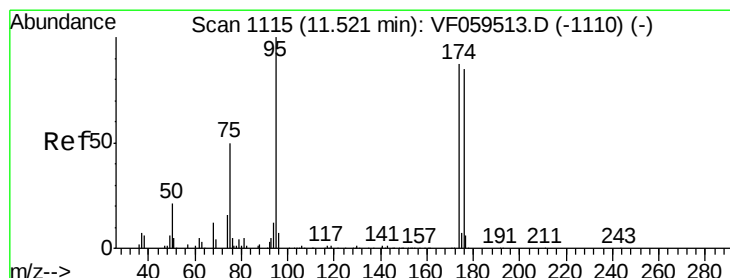
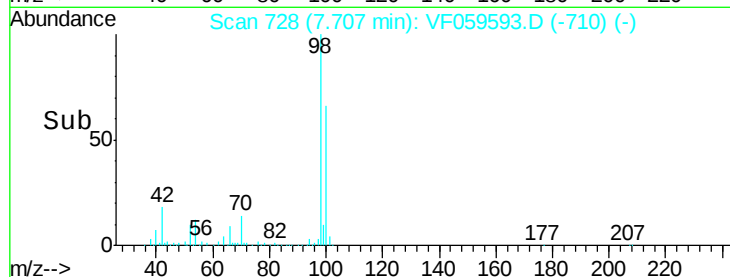
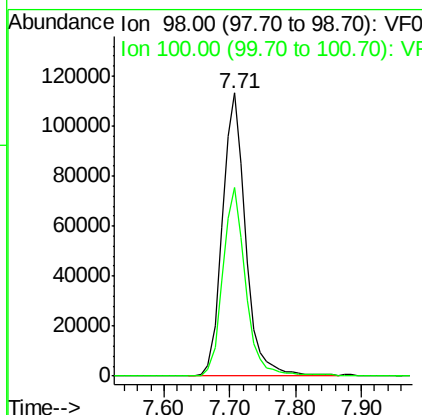
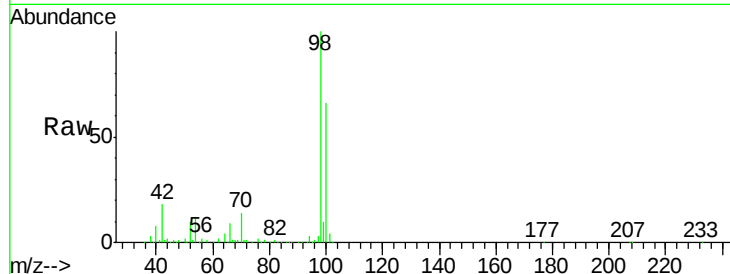




#50  
Toluene-d8  
Concen: 41.73 ug/l  
RT: 7.71 min Scan# 728  
Delta R.T. -0.02 min  
Lab File: VF059593.D  
Acq: 20 Jul 2018 21:00

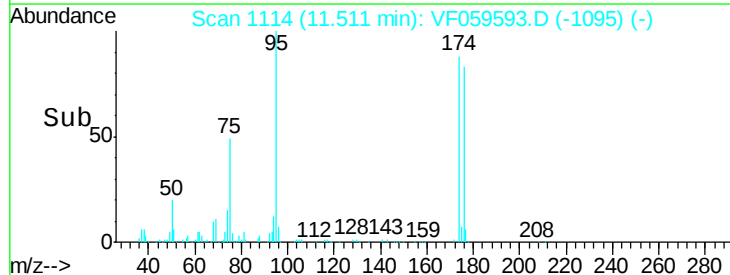
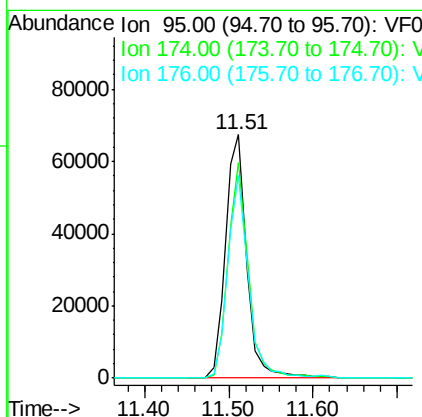
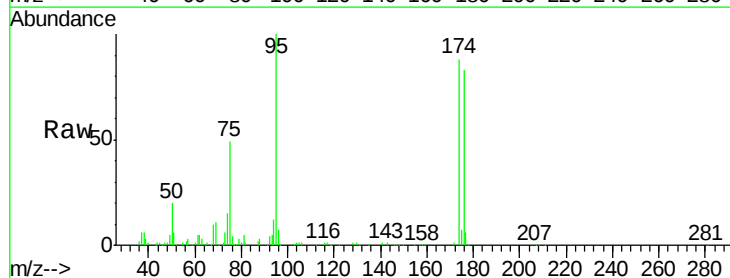
Instrument :  
MSVOA\_F  
ClientSampleId :  
SB4-L-8

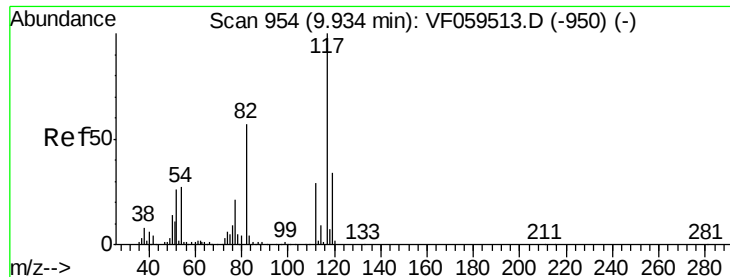
Tot Ion: 98 Resp: 280745  
Ion Ratio Lower Upper  
98 100  
100 66.5 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 33.42 ug/l  
RT: 11.51 min Scan# 1114  
Delta R.T. -0.01 min  
Lab File: VF059593.D  
Acq: 20 Jul 2018 21:00

Tgt Ion: 95 Resp: 117927  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 174.4  
176 83.3 0.0 169.4

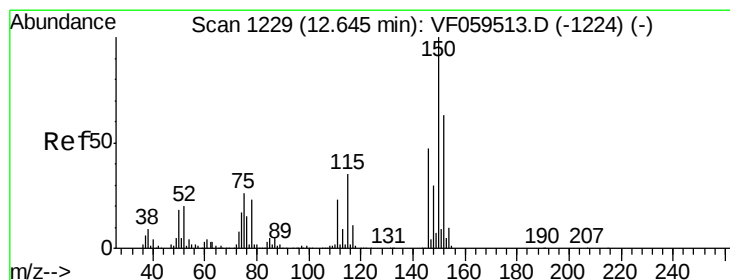
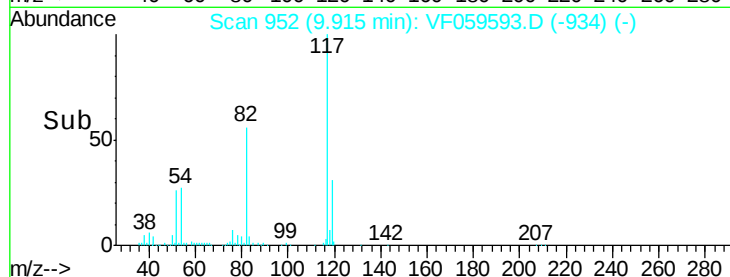
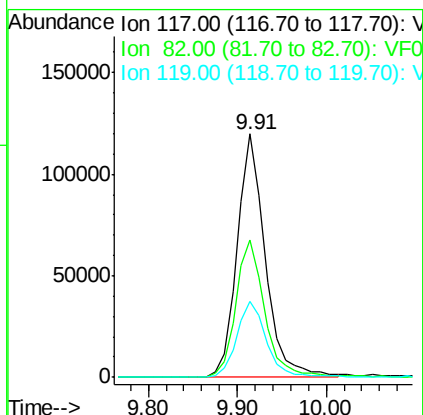
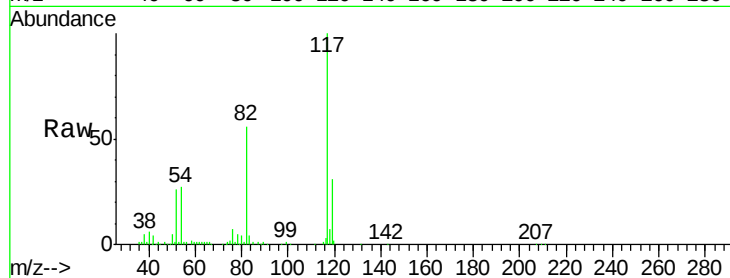




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. -0.02 min  
Lab File: VF059593.D  
Acq: 20 Jul 2018 21:00

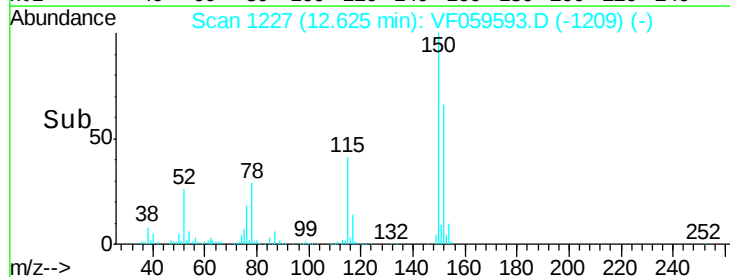
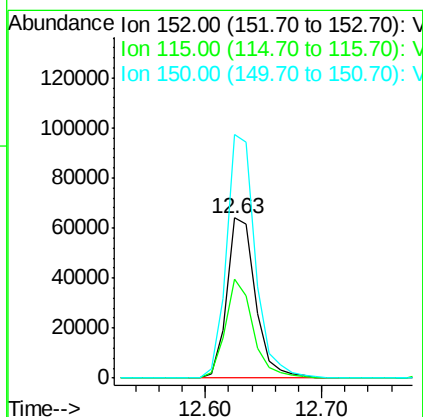
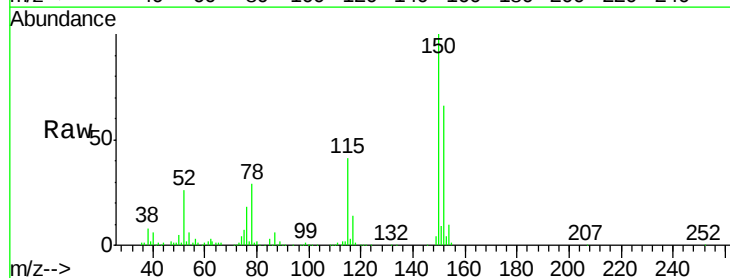
Instrument :  
MSVOA\_F  
ClientSampleId :  
SB4-L-8

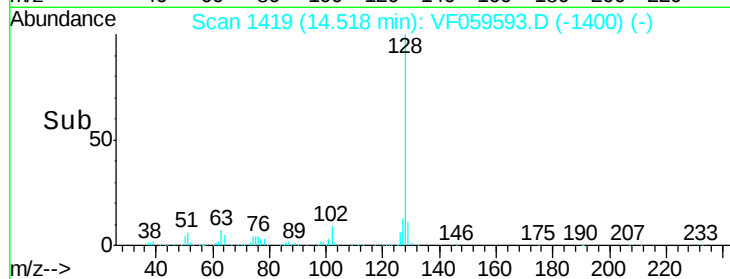
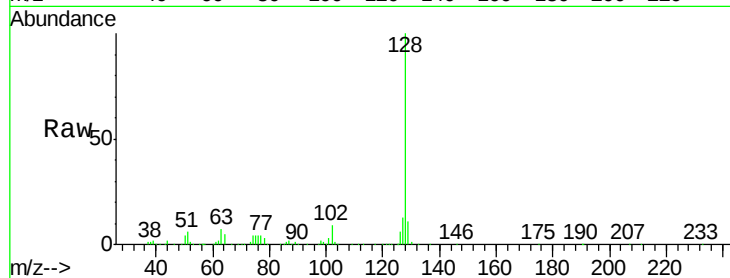
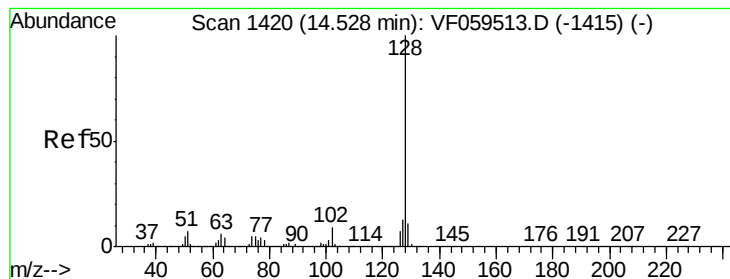
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.3  | 46.1  | 69.1  |
| 119     | 31.3  | 27.2  | 40.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.63 min Scan# 1227  
Delta R.T. -0.02 min  
Lab File: VF059593.D  
Acq: 20 Jul 2018 21:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.9  | 27.8  | 83.3  |
| 150     | 151.8 | 0.0   | 318.4 |





#95

Napthalene

Concen: 56.71 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059593.D

Acq: 20 Jul 2018 21:00

Instrument :

MSVOA\_F

ClientSampleId :

SB4-L-8

Tot Ion:128 Resp: 226776

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.1 9.0 13.4

