

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\  
 Data File : VF059365.D  
 Acq On : 28 Jun 2018 17:24  
 Operator : VA/AP  
 Sample : J3242-11  
 Misc : 5.65g/5mL/MSVOA-F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 JC-02-062618-F

Quant Time: Jun 29 05:11:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F062518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 26 08:45:17 2018  
 Response via : Initial Calibration

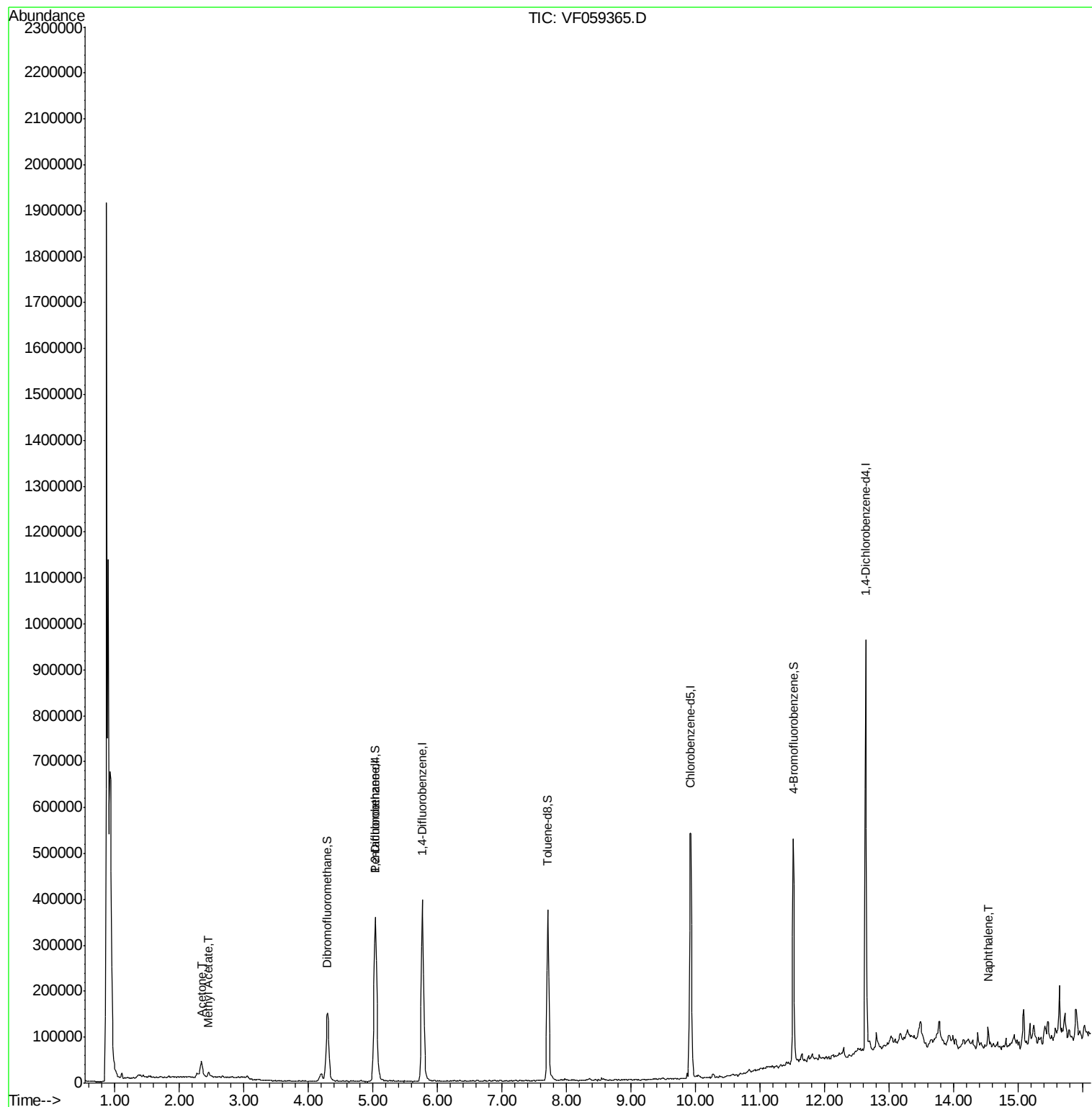
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.04  | 168  | 274255   | 50.00 | ug/l   | 0.02     |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 424300   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.92  | 117  | 397986   | 50.00 | ug/l   | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 221451   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 140406   | 39.63 | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.26% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 138104   | 44.55 | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.10% |          |
| 50) Toluene-d8              | 7.70  | 98   | 313732   | 40.87 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 81.74% |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 173188   | 40.00 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.00% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.34  | 43   | 49003    | 47.10 | ug/l   | 96       |
| 18) Methyl Acetate          | 2.45  | 43   | 18669    | 10.76 | ug/l # | 91       |
| 95) Naphthalene             | 14.53 | 128  | 17995    | 1.79  | ug/l # | 77       |

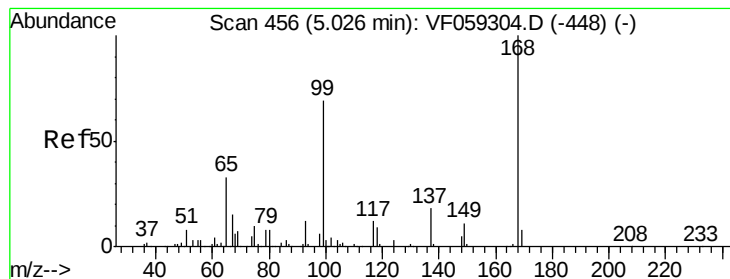
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\  
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JC-02-062618-F

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Quant Title : SW846 8260  
QLast Update : Tue Jun 26 08:45:17 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059365.D

Acq: 28 Jun 2018 17:24

Instrument :

MSVOA\_F

ClientSampleId :

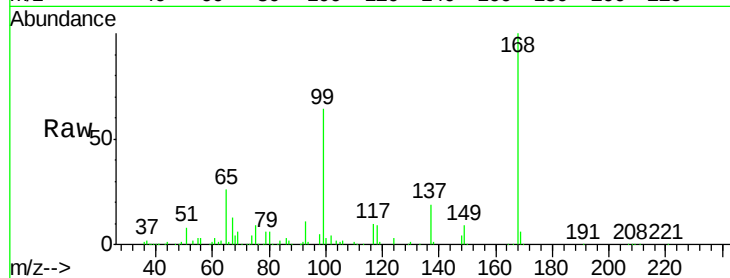
JC-02-062618-F

Tot Ion:168 Resp: 274255

Ion Ratio Lower Upper

168 100

99 64.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

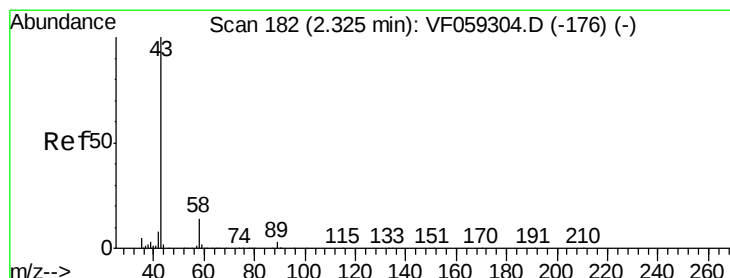
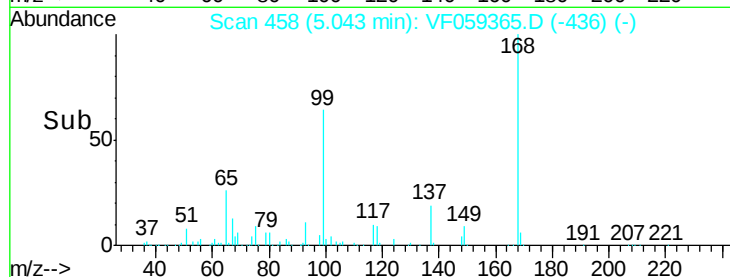
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 47.10 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF059365.D

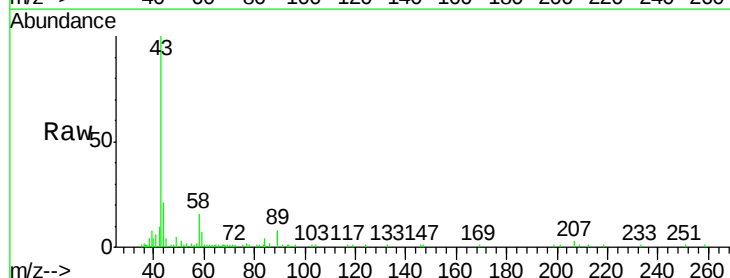
Acq: 28 Jun 2018 17:24

Tgt Ion: 43 Resp: 49003

Ion Ratio Lower Upper

43 100

58 16.0 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

20000

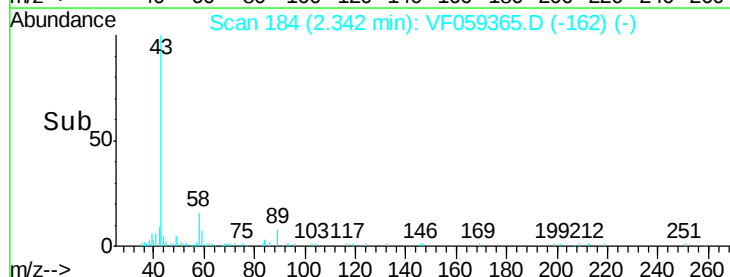
15000

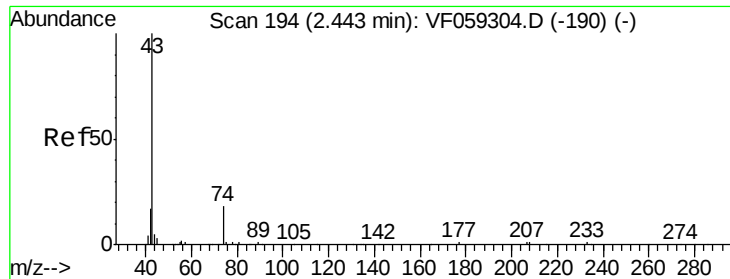
10000

5000

0

Time-->

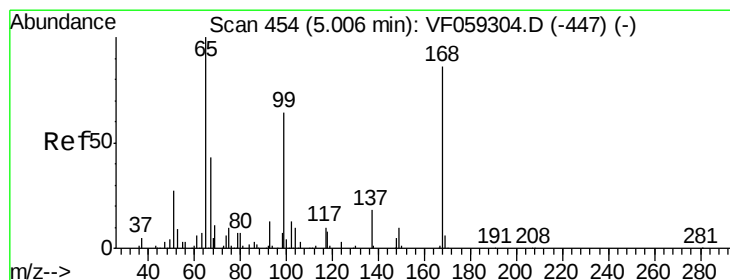
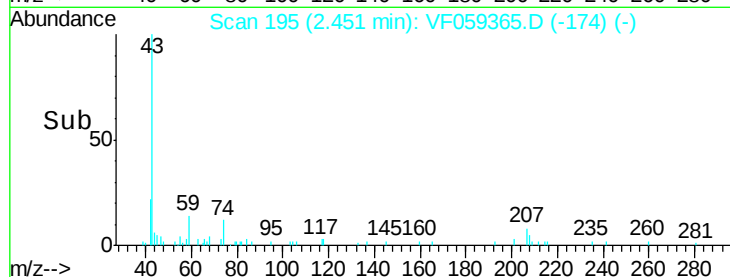
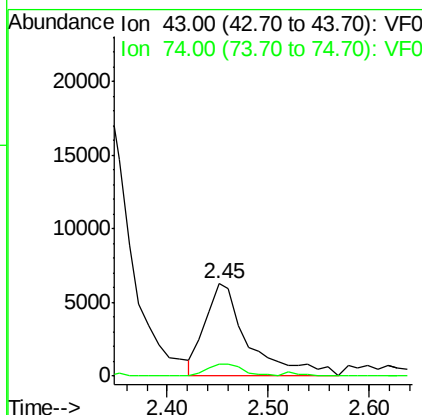
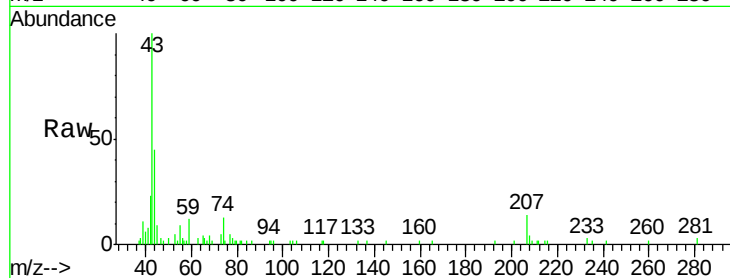




#18  
Methvl Acetate  
Concen: 10.76 ug/l  
RT: 2.45 min Scan# 195  
Delta R.T. 0.01 min  
Lab File: VF059365.D  
Acq: 28 Jun 2018 17:24

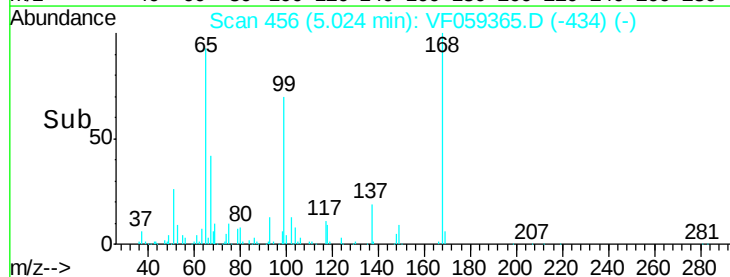
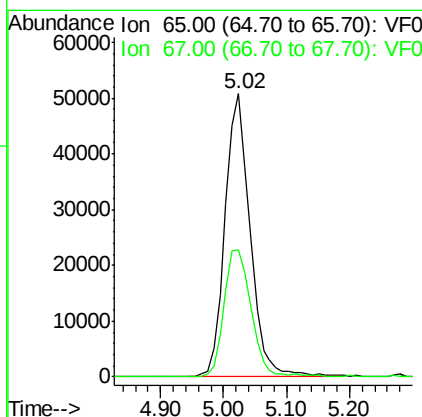
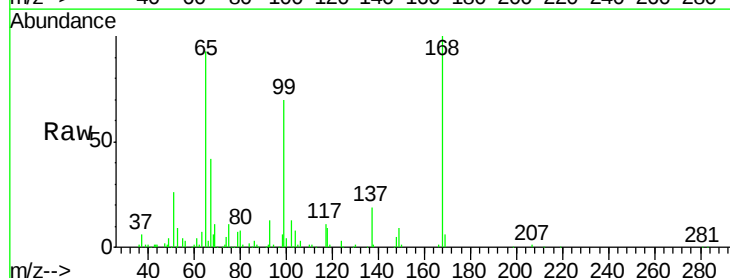
Instrument :  
MSVOA\_F  
ClientSampleId :  
JC-02-062618-F

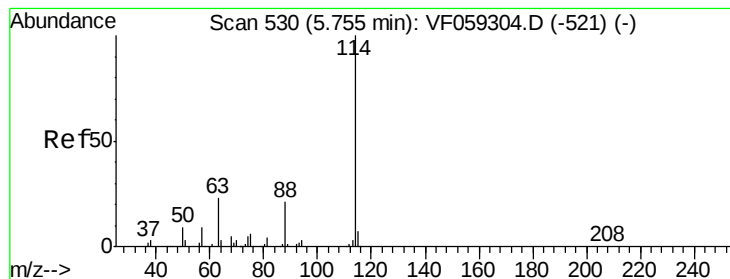
Tot Ion: 43 Resp: 18669  
Ion Ratio Lower Upper  
43 100  
74 12.5 13.3 19.9#



#33  
1,2-Dichloroethane-d4  
Concen: 39.63 ug/l  
RT: 5.02 min Scan# 456  
Delta R.T. 0.02 min  
Lab File: VF059365.D  
Acq: 28 Jun 2018 17:24

Tgt Ion: 65 Resp: 140406  
Ion Ratio Lower Upper  
65 100  
67 44.9 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059365.D

Acq: 28 Jun 2018 17:24

Instrument :

MSVOA\_F

ClientSampleId :

JC-02-062618-F

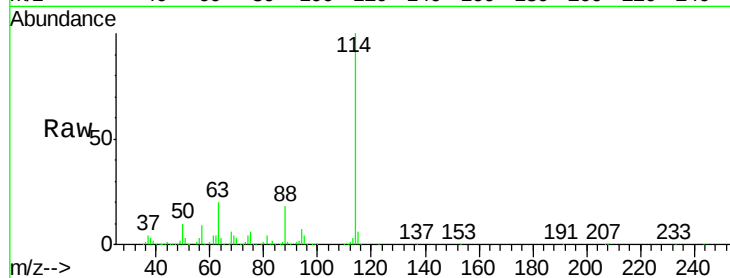
Tot Ion:114 Resp: 424300

Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.8

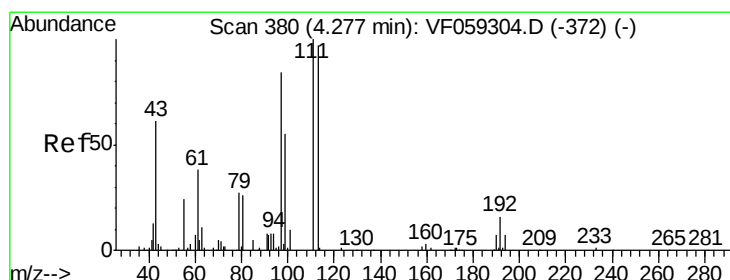
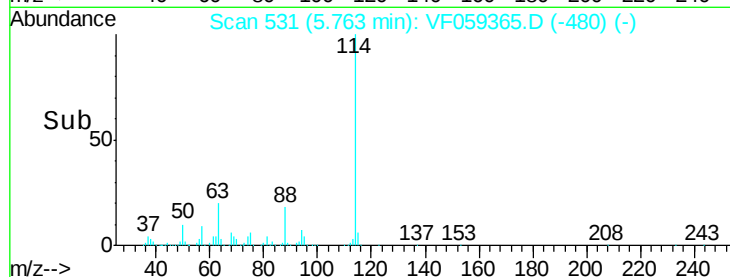
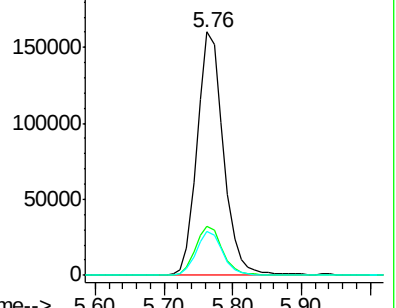
88 17.9 0.0 41.2



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: 44.55 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059365.D

Acq: 28 Jun 2018 17:24

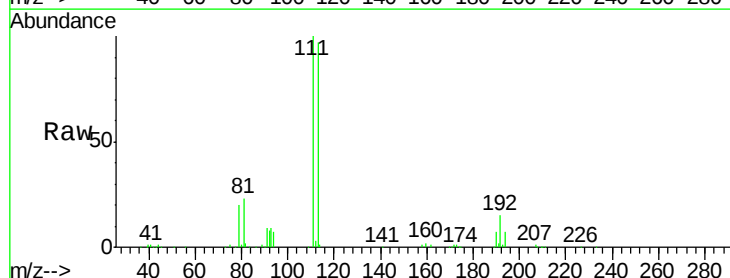
Tgt Ion:113 Resp: 138104

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

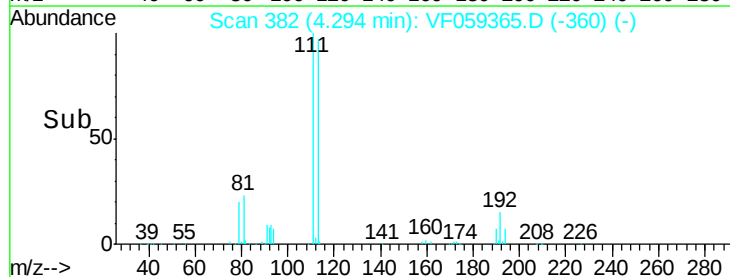
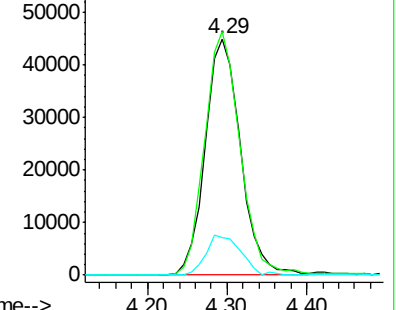
192 15.9 13.0 19.6

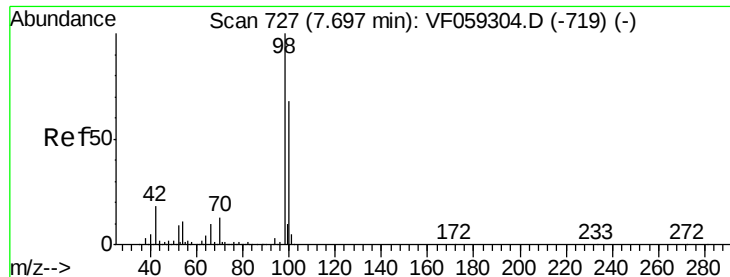


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

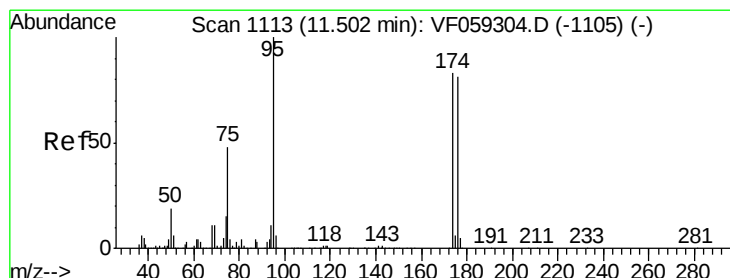
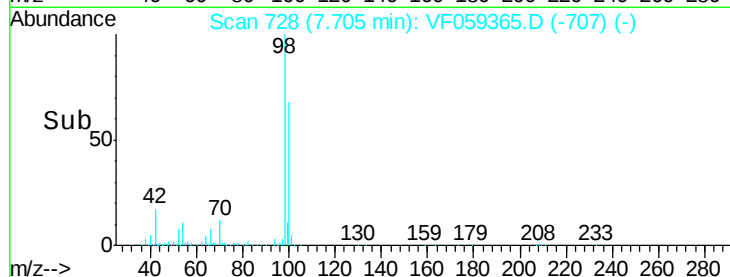
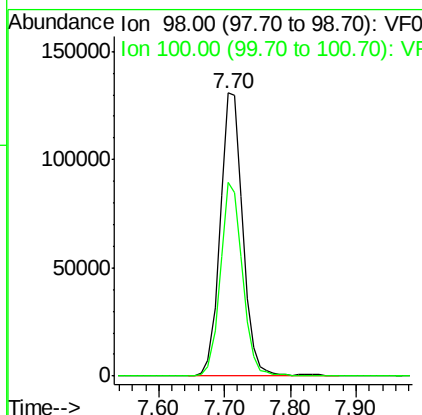
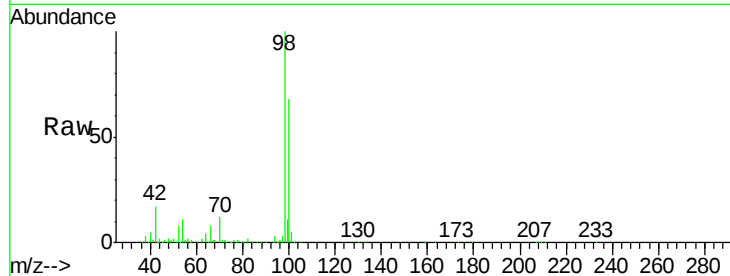




#50  
Toluene-d8  
Concen: 40.87 ug/l  
RT: 7.70 min Scan# 728  
Delta R.T. 0.01 min  
Lab File: VF059365.D  
Acq: 28 Jun 2018 17:24

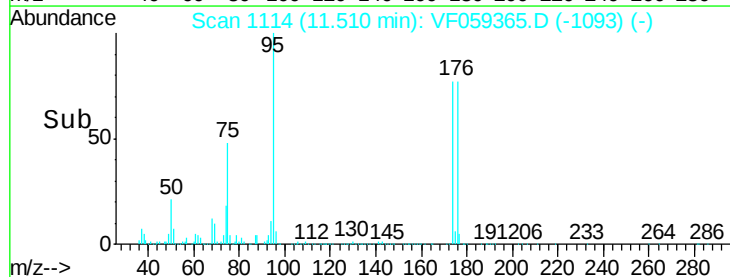
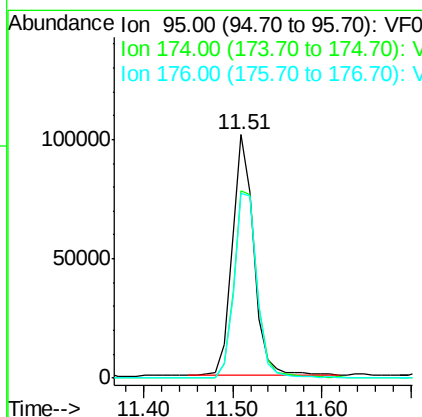
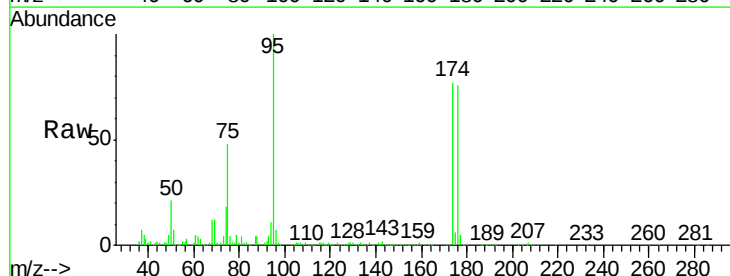
Instrument :  
MSVOA\_F  
ClientSampleId :  
JC-02-062618-F

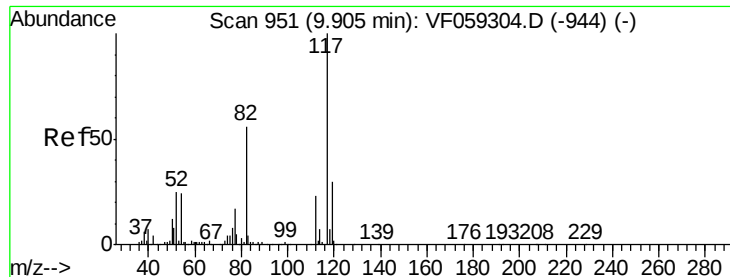
Tot Ion: 98 Resp: 313732  
Ion Ratio Lower Upper  
98 100  
100 68.5 54.6 82.0



#62  
4-Bromofluorobenzene  
Concen: 40.00 ug/l  
RT: 11.51 min Scan# 1114  
Delta R.T. 0.01 min  
Lab File: VF059365.D  
Acq: 28 Jun 2018 17:24

Tgt Ion: 95 Resp: 173188  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 165.2  
176 75.8 0.0 161.0

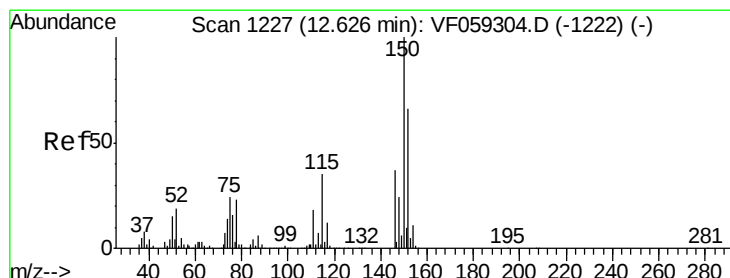
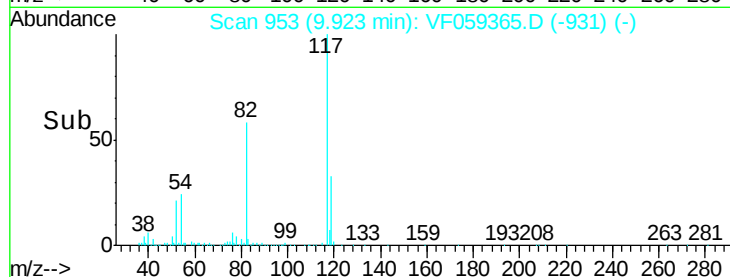
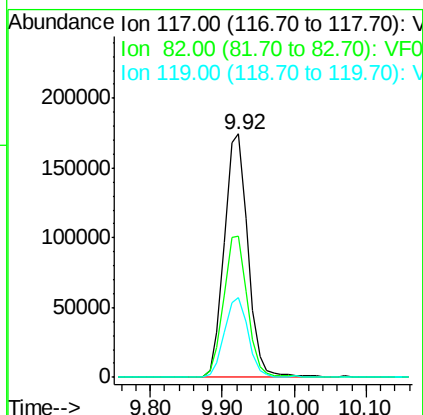
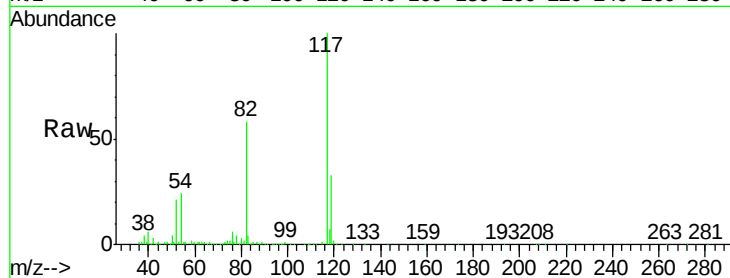




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.92 min Scan# 953  
Delta R.T. 0.02 min  
Lab File: VF059365.D  
Acq: 28 Jun 2018 17:24

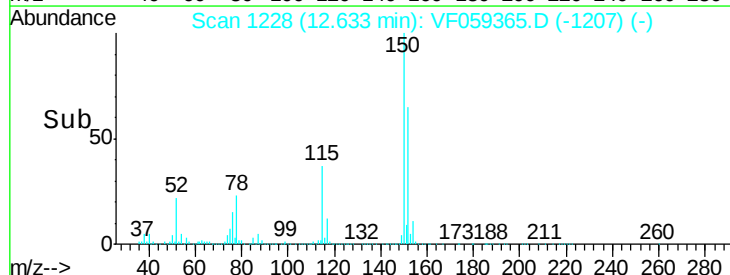
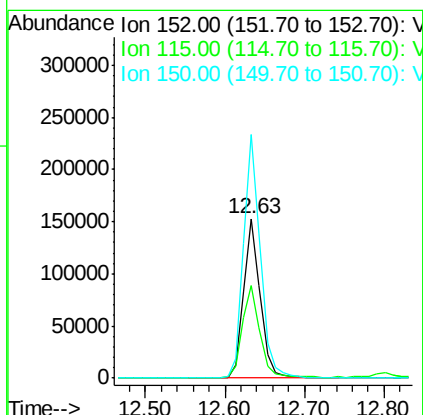
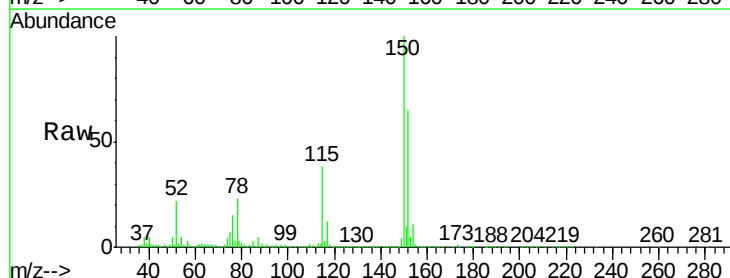
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JC-02-062618-F

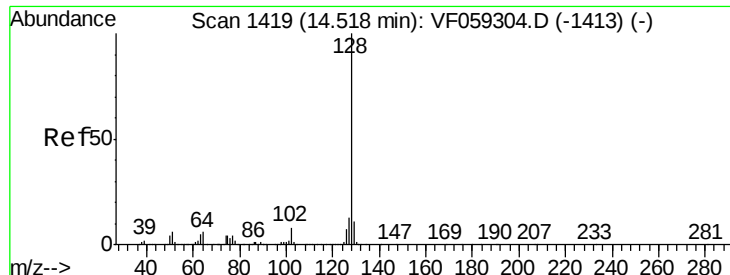
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.2  | 44.6  | 66.8  |
| 119     | 32.8  | 24.1  | 36.1  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.63 min Scan# 1228  
Delta R.T. 0.01 min  
Lab File: VF059365.D  
Acq: 28 Jun 2018 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.7  | 27.1  | 81.3  |
| 150     | 152.8 | 0.0   | 305.2 |





#95

Naphthalene

Concen: 1.79 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059365.D

Acq: 28 Jun 2018 17:24

Instrument :

MSVOA\_F

ClientSampleId :

JC-02-062618-F

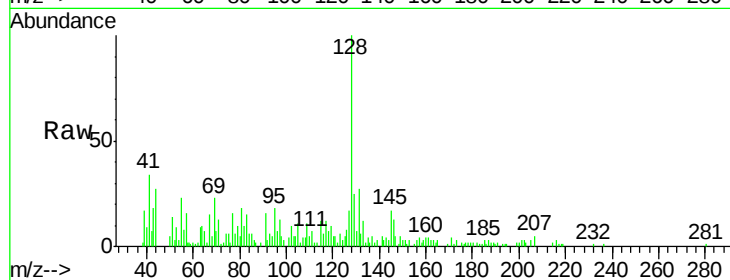
Tot Ion:128 Resp: 17995

Ion Ratio Lower Upper

128 100

127 17.0 10.1 15.1#

129 24.7 8.8 13.2#



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

