

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\  
 Data File : VF059184.D  
 Acq On : 18 Jun 2018 19:11  
 Operator : VA/AP  
 Sample : J3554-09  
 Misc : 6.43g/5mL/MSVOA-F/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 A-8(3.0)

Manual Integrations  
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Quant Time: Jun 19 04:13:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.03  | 168  | 229232   | 50.00  | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 5.75  | 114  | 346510   | 50.00  | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 335136   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 212847   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.01  | 65   | 147037   | 52.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.78% |          |
| 35) Dibromofluoromethane    | 4.28  | 113  | 134647   | 55.38  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.76% |          |
| 50) Toluene-d8              | 7.71  | 98   | 320162   | 44.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.64%  |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 182219   | 49.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.48%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.34  | 43   | 44790    | 67.477 | ug/l #  | 84       |
| 20) Methylene Chloride      | 2.27  | 84   | 12114m   | 7.622  | ug/l    |          |

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

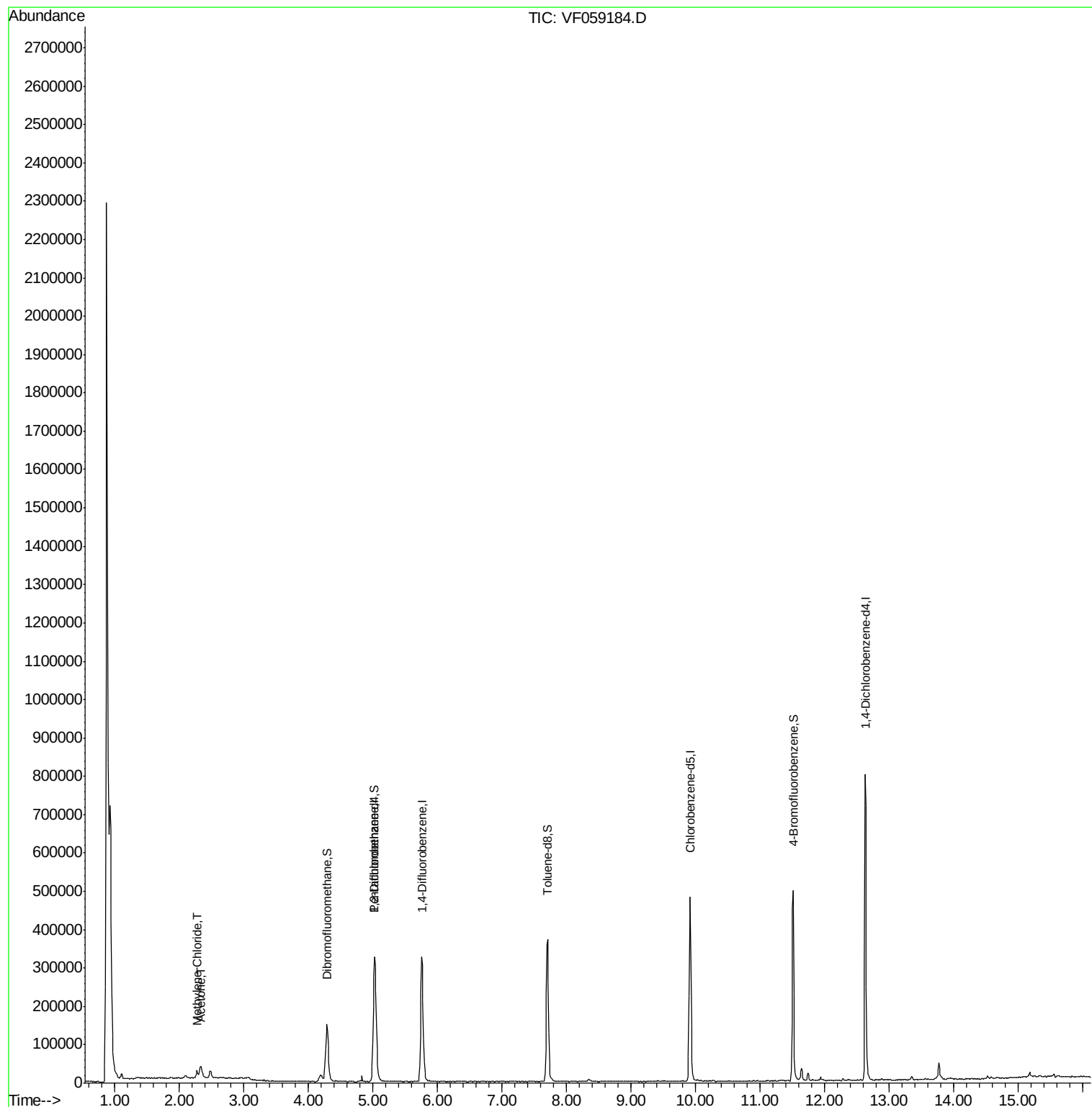
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061818\  
Data File : VF059184.D  
Acq On : 18 Jun 2018 19:11  
Operator : VA/AP  
Sample : J3554-09  
Misc : 6.43g/5mL/MSVOA-F/SOIL  
ALS Vial : 18 Sample Multiplier: 1

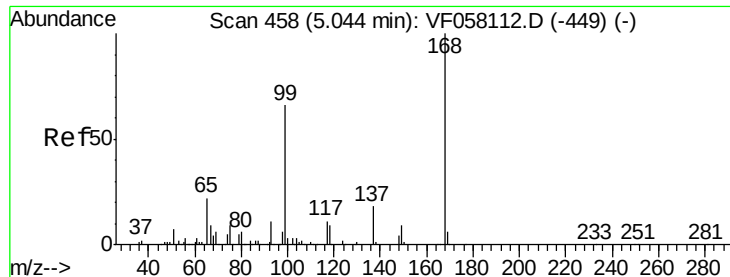
Instrument :  
MSVOA\_F  
ClientSampleId :  
A-8(3.0)

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Quant Time: Jun 19 04:13:23 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 10:52:00 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA\_F

ClientSampleId :

A-8(3.0)

Tot Ion:168 Resp: 229232

Ion Ratio Lower Upper

168 100

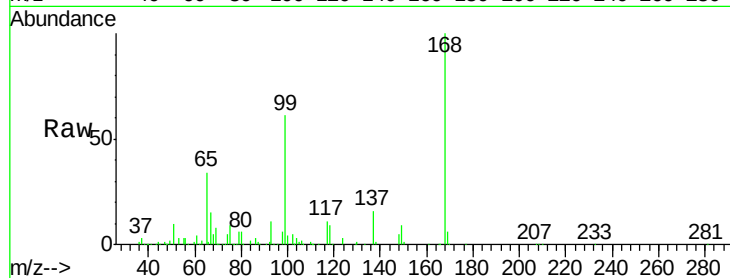
99 61.0 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

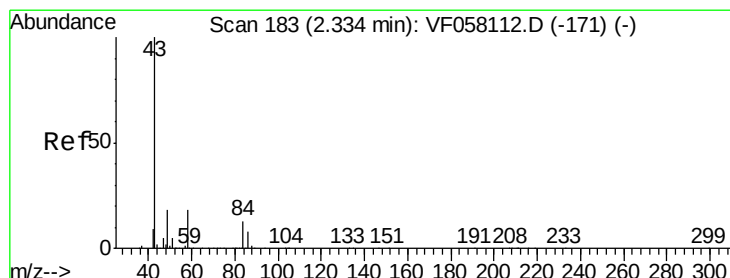
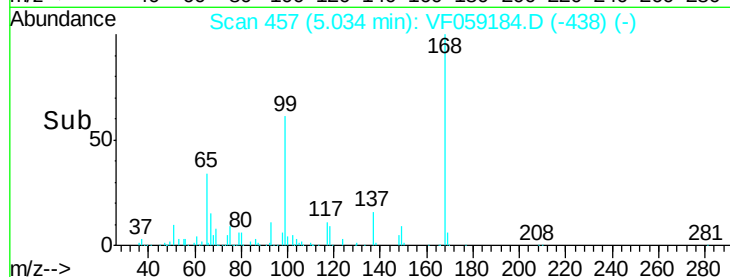
20000

0

Time-->

4.90 5.00 5.10 5.20

5.03



#16

Acetone

Concen: 67.477 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059184.D

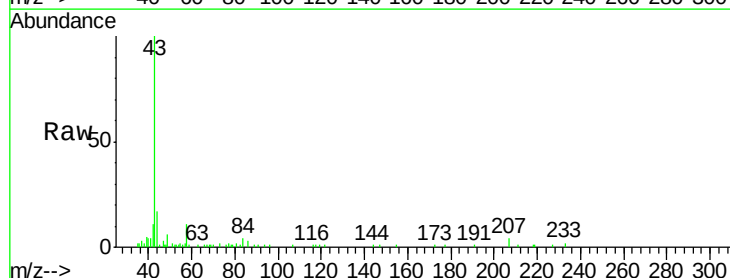
Acq: 18 Jun 2018 19:11

Tgt Ion: 43 Resp: 44790

Ion Ratio Lower Upper

43 100

58 10.8 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

10000

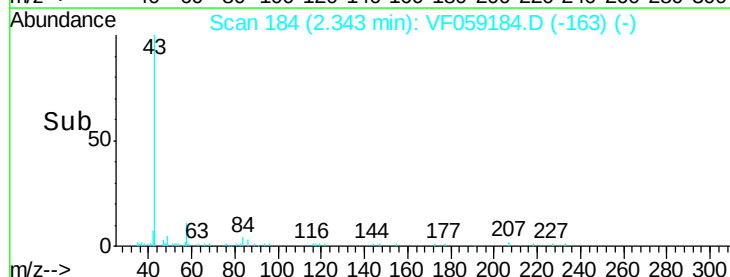
5000

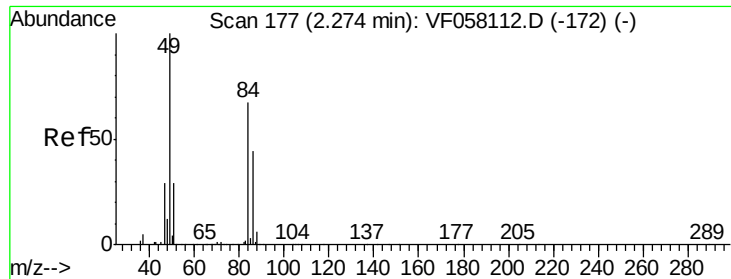
0

Time-->

2.25 2.30 2.35 2.40 2.45

2.34





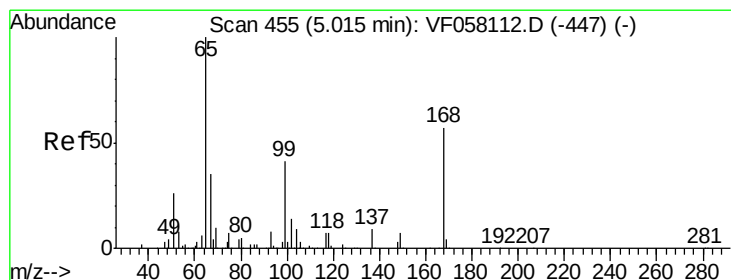
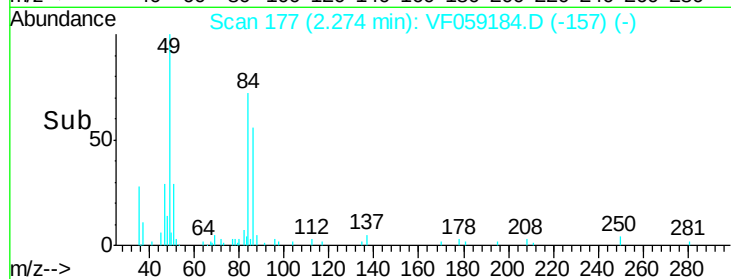
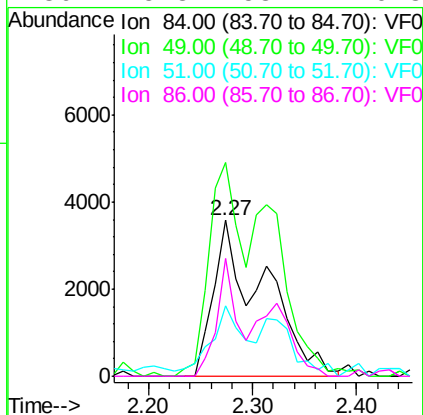
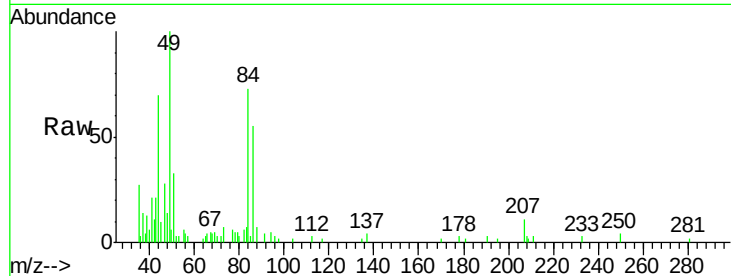
#20  
Methylene Chloride  
Concen: 7.622 ug/l m  
RT: 2.27 min Scan# 177  
Delta R.T. -0.00 min  
Lab File: VF059184.D  
Acq: 18 Jun 2018 19:11

Instrument :  
MSVOA\_F  
ClientSampleId :  
A-8(3.0)

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 12114 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 136.9 | 121.0 | 181.4 |
| 51       | 45.0  | 35.8  | 53.6  |
| 86       | 75.3  | 53.2  | 79.8  |

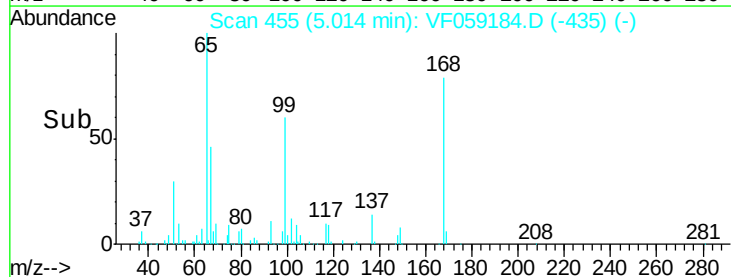
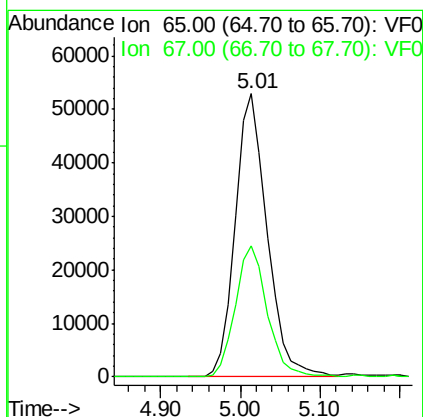
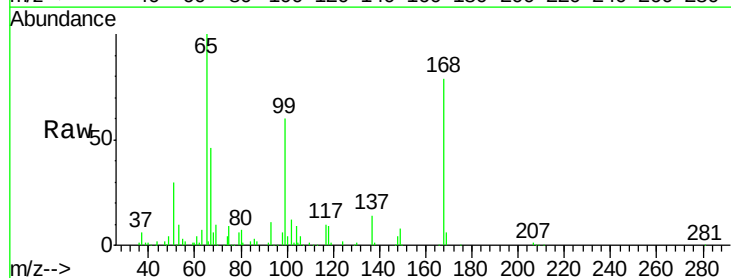
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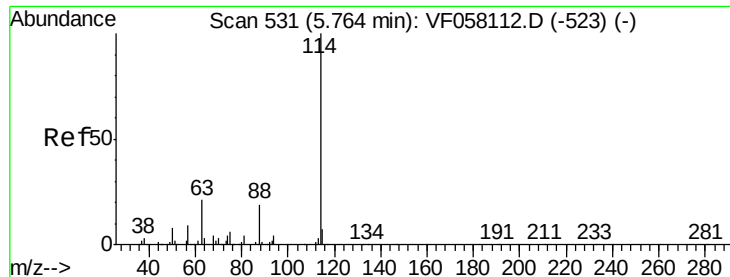
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#33  
1,2-Dichloroethane-d4  
Concen: 52.889 ug/l  
RT: 5.01 min Scan# 455  
Delta R.T. -0.00 min  
Lab File: VF059184.D  
Acq: 18 Jun 2018 19:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 147037 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 46.4  | 0.0   | 97.0   |





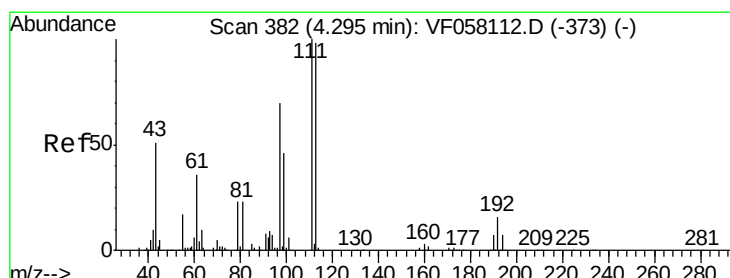
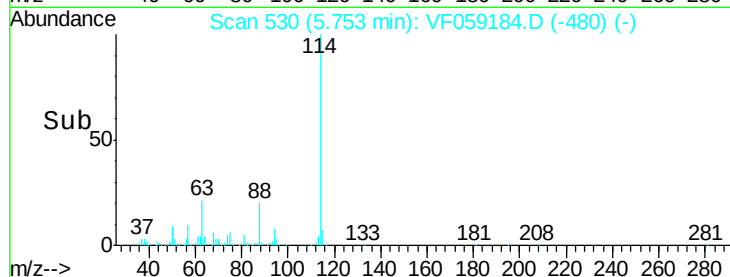
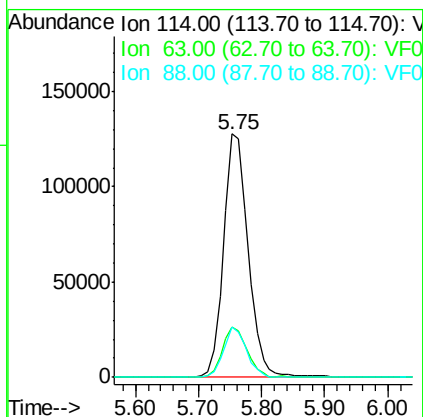
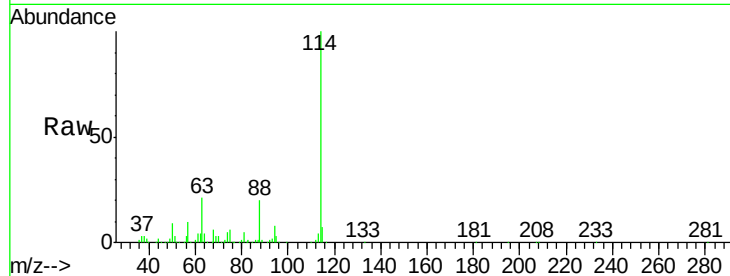
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 5.75 min Scan# 530  
Delta R.T. -0.01 min  
Lab File: VF059184.D  
Acq: 18 Jun 2018 19:11

Instrument :  
MSVOA\_F  
ClientSampleId :  
A-8(3.0)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 346510 |       |       |
| 63      | 20.6  | 0.0    | 41.6  |       |
| 88      | 20.5  | 0.0    | 38.8  |       |

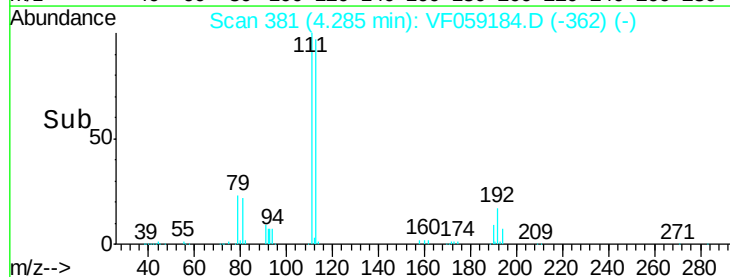
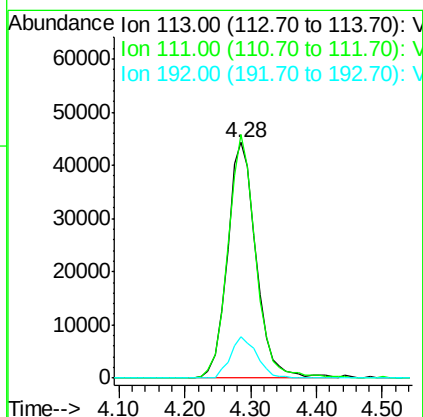
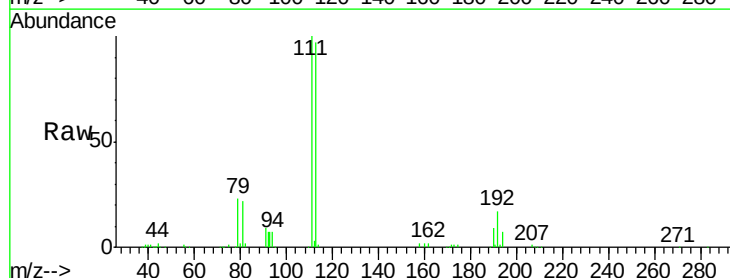
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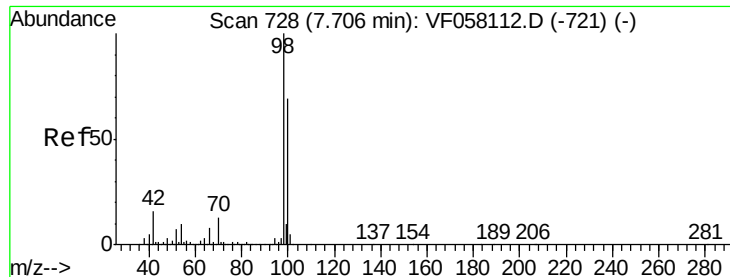
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#35  
Dibromofluoromethane  
Concen: 55.379 ug/l  
RT: 4.28 min Scan# 381  
Delta R.T. -0.01 min  
Lab File: VF059184.D  
Acq: 18 Jun 2018 19:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 134647 |       |       |
| 111     | 103.4 | 81.3   | 121.9 |       |
| 192     | 17.8  | 12.7   | 19.1  |       |





#50

Toluene-d8

Concen: 44.823 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA\_F

ClientSampleId :

A-8(3.0)

Tot Ion: 98 Resp: 320162

Ion Ratio Lower Upper

98 100

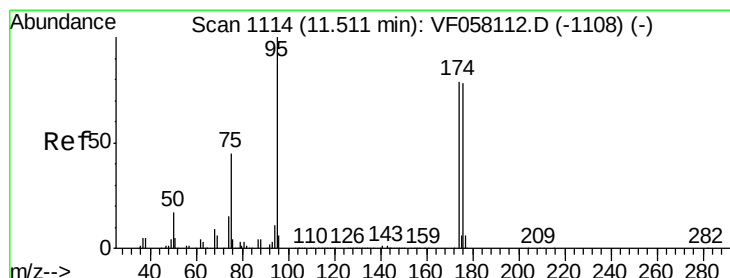
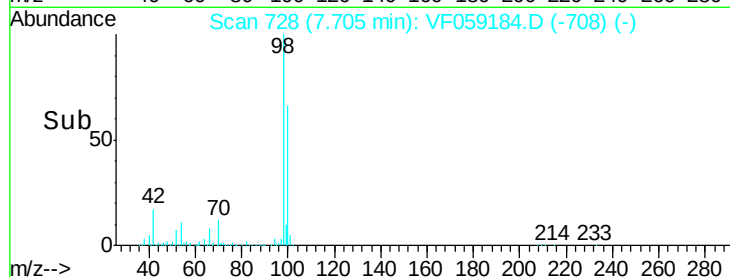
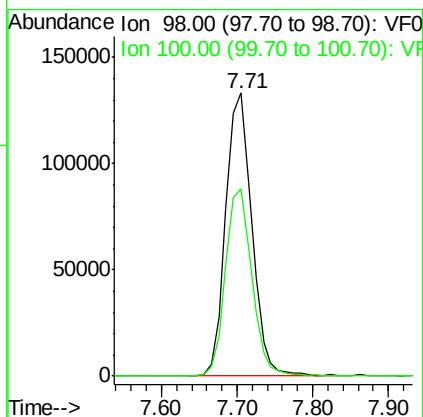
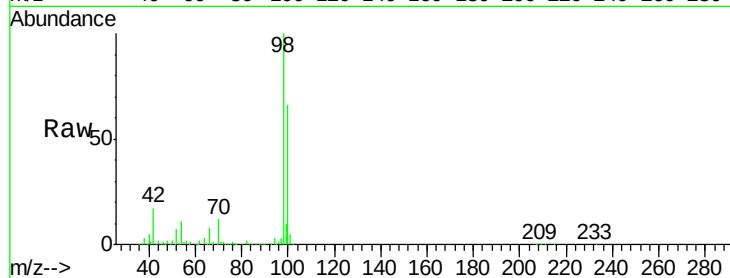
100 66.2 55.6 83.4

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#62

4-Bromofluorobenzene

Concen: 49.738 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

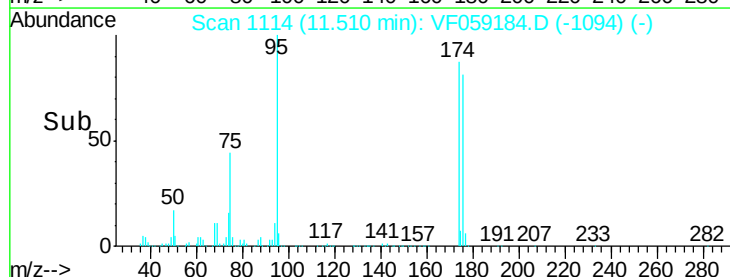
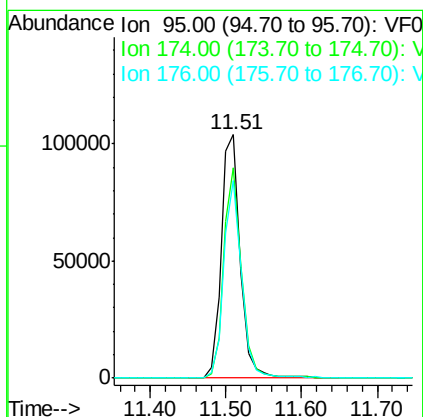
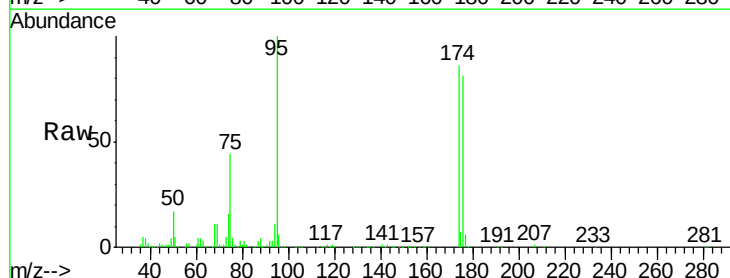
Tgt Ion: 95 Resp: 182219

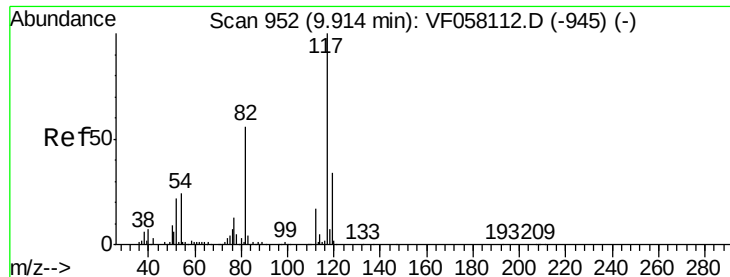
Ion Ratio Lower Upper

95 100

174 86.5 0.0 157.8

176 81.2 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA\_F

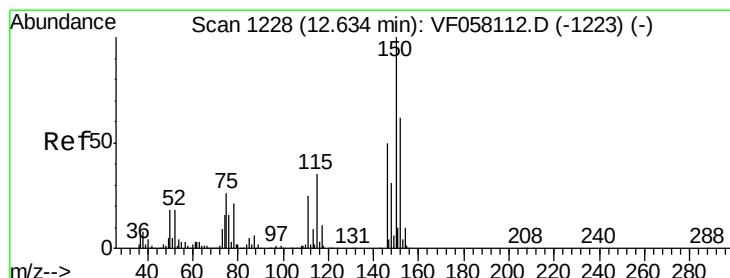
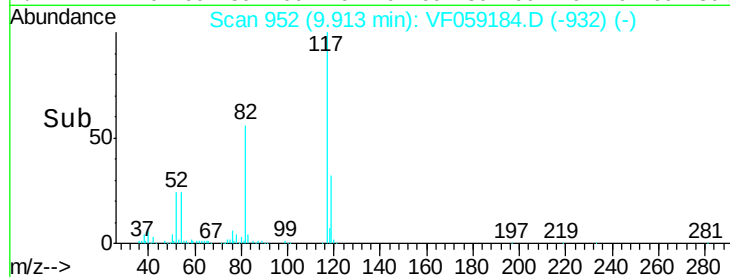
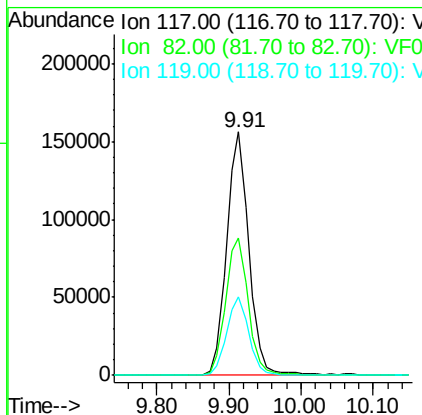
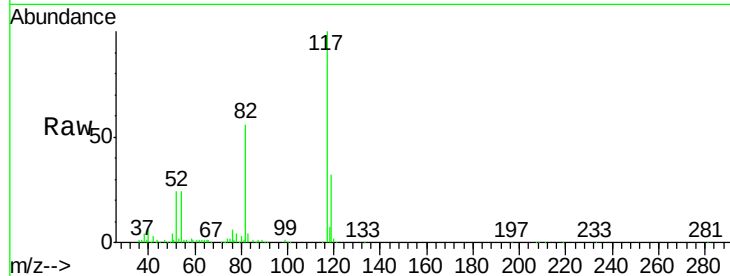
ClientSampleId :

A-8(3.0)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 335136 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.3  | 45.2  | 67.8   |
| 119       | 32.0  | 27.5  | 41.3   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 212847 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.1  | 28.5  | 85.5   |
| 150       | 153.0 | 0.0   | 323.8  |

