

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
 Data File : VF059224.D  
 Acq On : 20 Jun 2018 9:31  
 Operator : VA/AP  
 Sample : J3584-07  
 Misc : 6.41g/5mL/MSVOA-F/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-12-D

Manual Integrations  
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Quant Time: Jun 21 09:50:54 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  | 220494   | 50.00 | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 350694   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 323683   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 199547   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.01  | 65   | 178837   | 66.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 133.76% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 156037   | 63.41 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 126.82% |          |
| 50) Toluene-d8              | 7.70  | 98   | 321964   | 44.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.08%  |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 190135   | 51.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.56% |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.27  | 84   | 17130m   | 11.21 | ug/l    | Qvalue   |

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

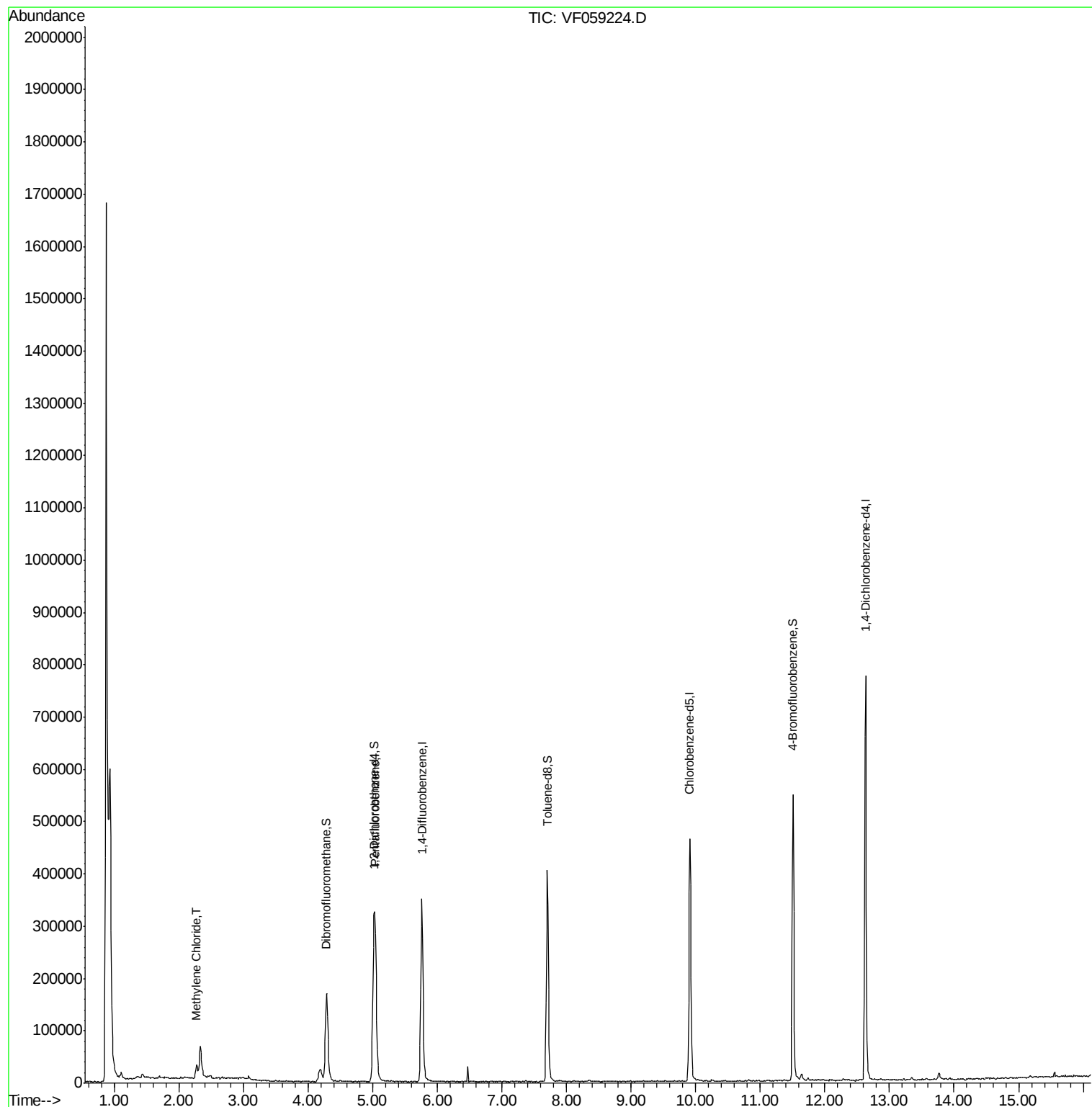
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\  
Data File : VF059224.D  
Acq On : 20 Jun 2018 9:31  
Operator : VA/AP  
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ALS Vial : 39 Sample Multiplier: 1

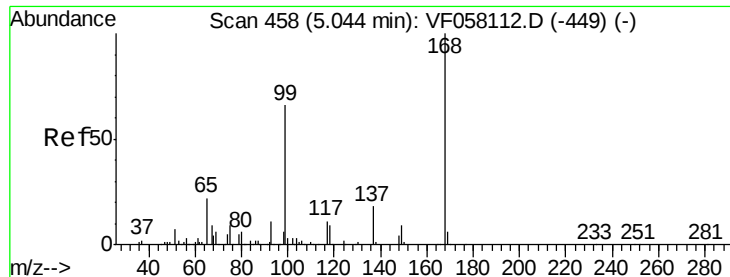
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-12-D

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Quant Time: Jun 21 09:50:54 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: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

Instrument :

MSVOA\_F

ClientSampleId :

TP-12-D

Tot Ion:168 Resp: 220494

Ion Ratio Lower Upper

168 100

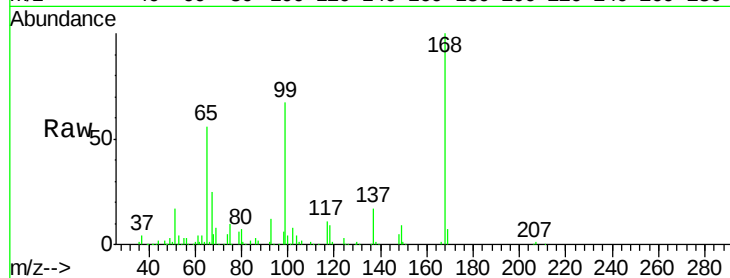
99 66.8 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

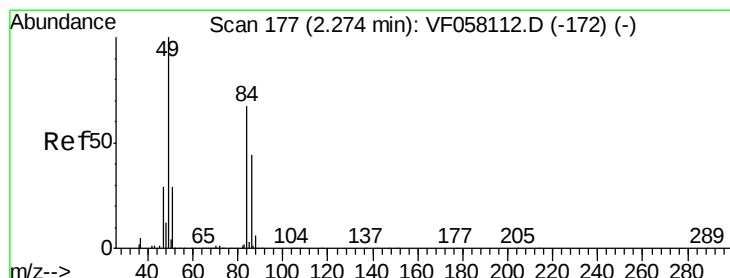
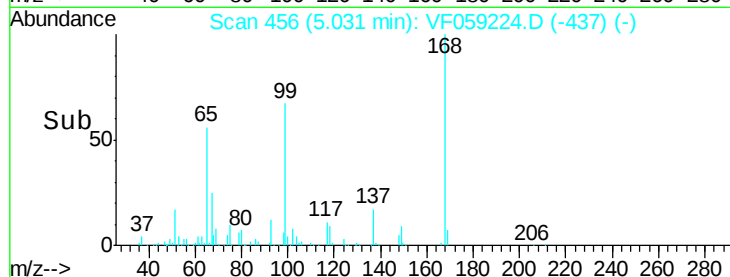
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 11.21 ug/l m

RT: 2.27 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

Tgt Ion: 84 Resp: 17130

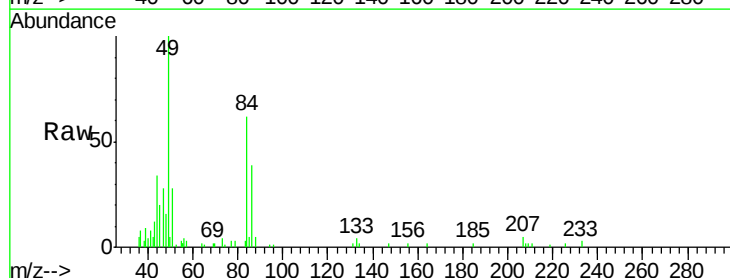
Ion Ratio Lower Upper

84 100

49 162.4 121.0 181.4

51 44.7 35.8 53.6

86 63.5 53.2 79.8



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2.27

10000

8000

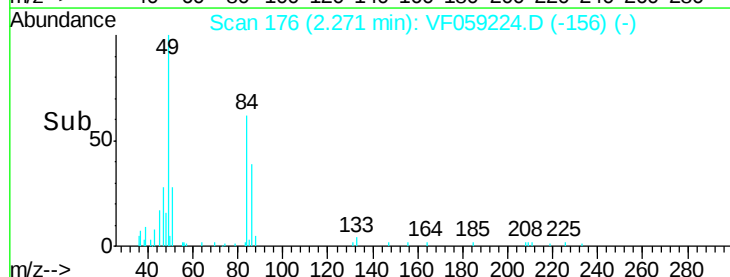
6000

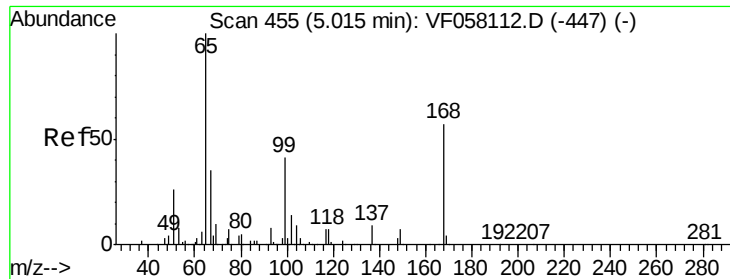
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 66.88 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

Tot Ion: 65 Resp: 178837

Ion Ratio Lower Upper

65 100

67 45.2 0.0 97.0

Instrument :

MSVOA\_F

ClientSampled :

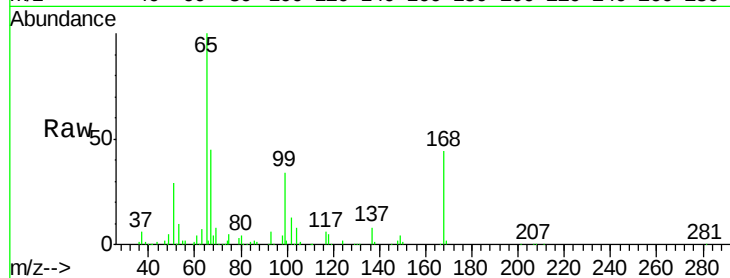
TP-12-D

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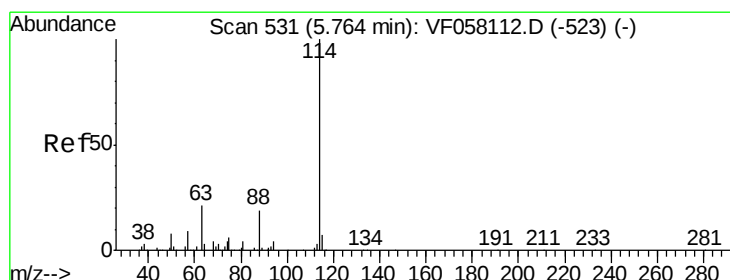
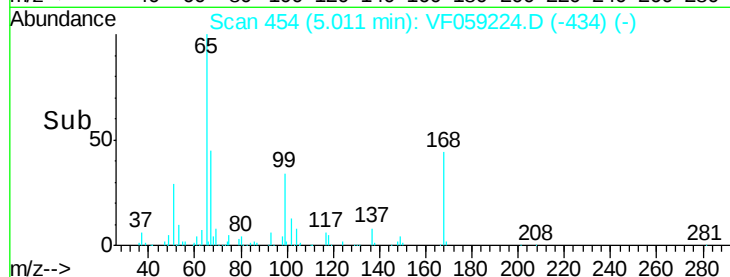
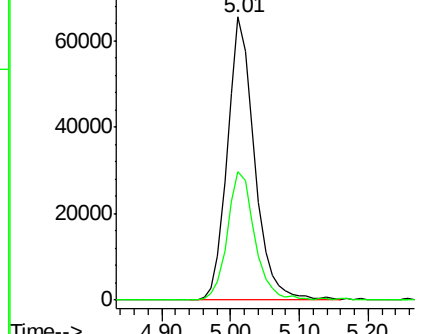
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

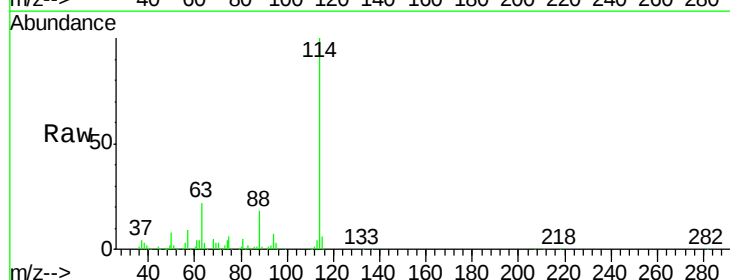
Tgt Ion: 114 Resp: 350694

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

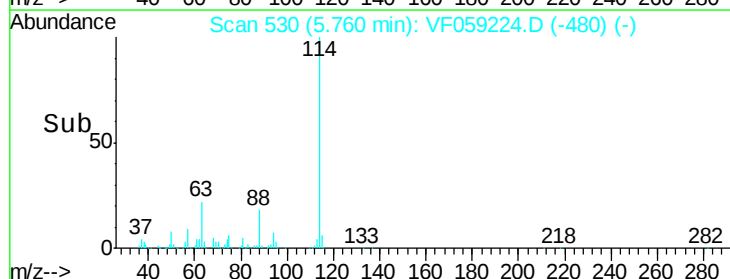
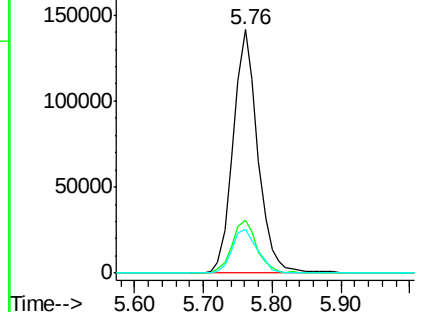
88 18.3 0.0 38.8

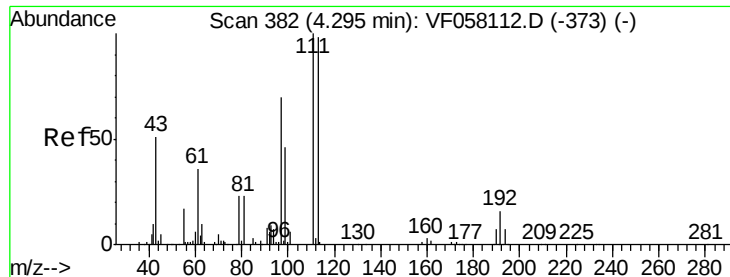


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





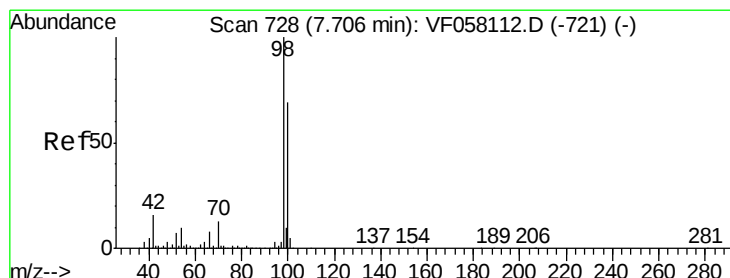
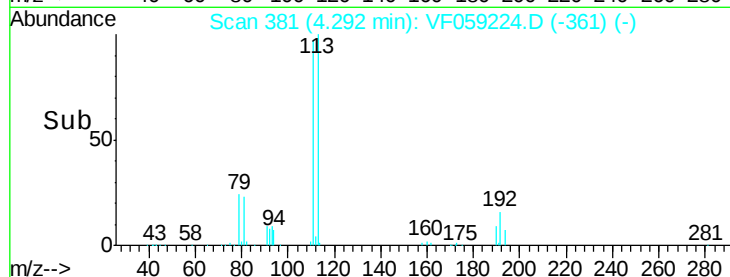
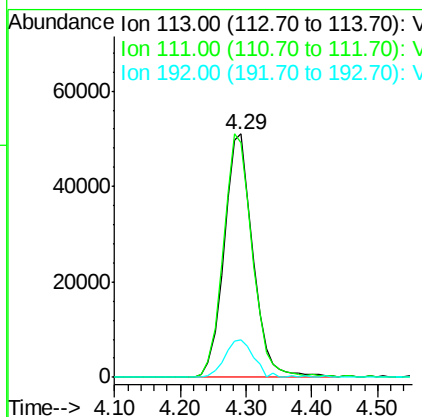
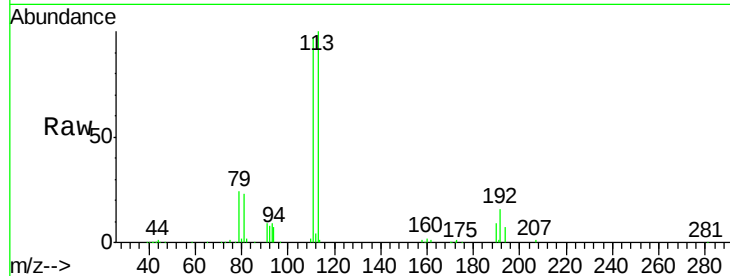
#35  
Dibromofluoromethane  
Concen: 63.41 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. -0.00 min  
Lab File: VF059224.D  
Acq: 20 Jun 2018 9:31

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-12-D

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 156037 |       |       |
| 111     | 96.6  | 81.3   | 121.9 |       |
| 192     | 15.5  | 12.7   | 19.1  |       |

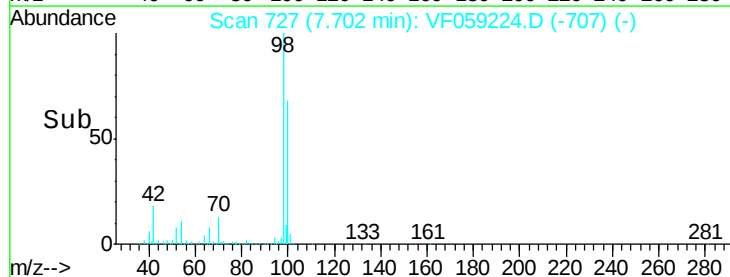
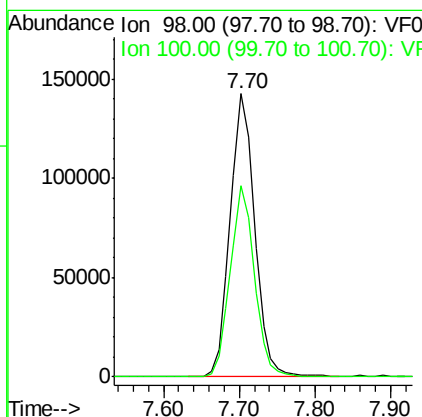
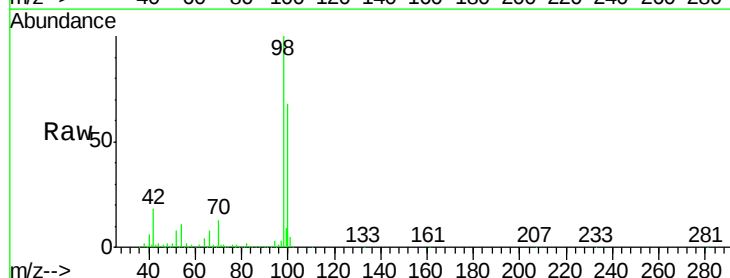
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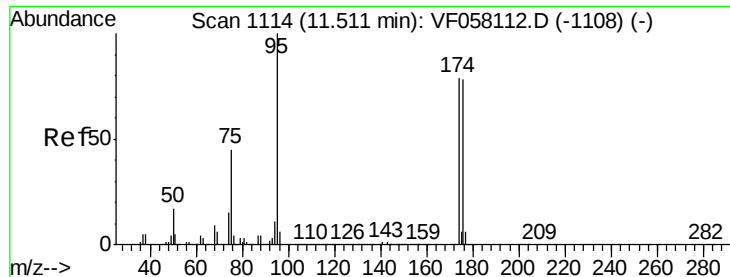
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#50  
Toluene-d8  
Concen: 44.54 ug/l  
RT: 7.70 min Scan# 727  
Delta R.T. -0.00 min  
Lab File: VF059224.D  
Acq: 20 Jun 2018 9:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 98      | 100   | 321964 |       |       |
| 100     | 67.7  | 55.6   | 83.4  |       |





#62

4-Bromofluorobenzene

Concen: 51.28 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

Instrument :

MSVOA\_F

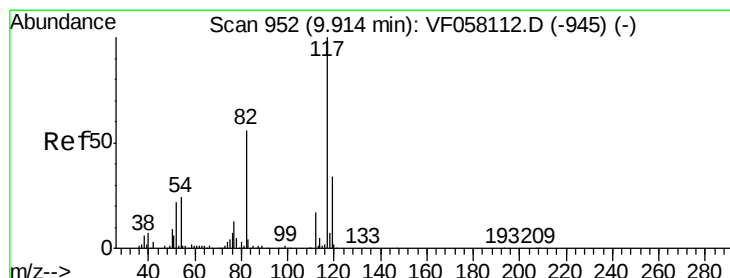
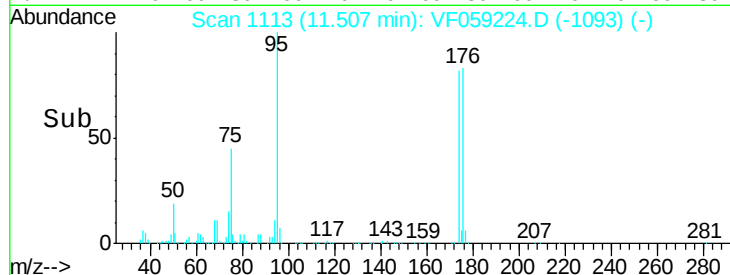
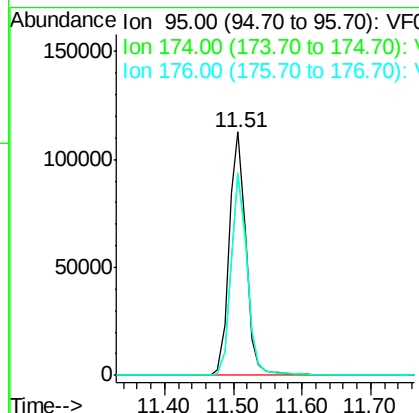
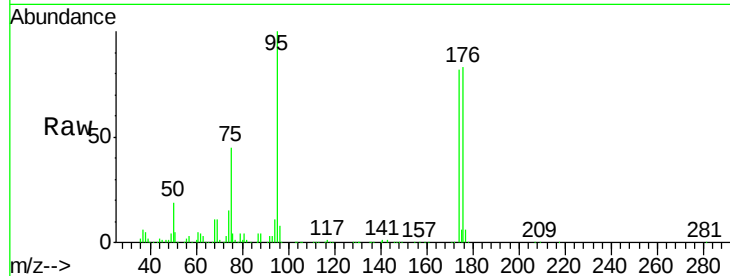
ClientSampleId :

TP-12-D

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 190135 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 82.2  | 0.0   | 157.8  |
| 176       | 83.1  | 0.0   | 155.8  |

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

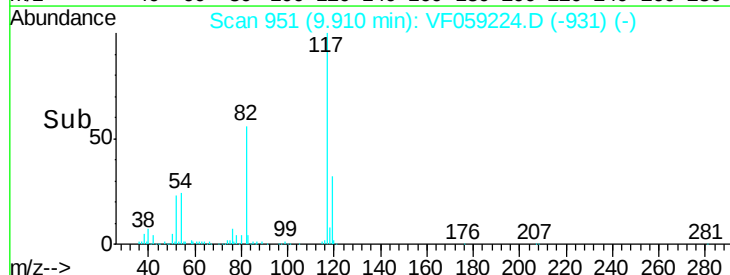
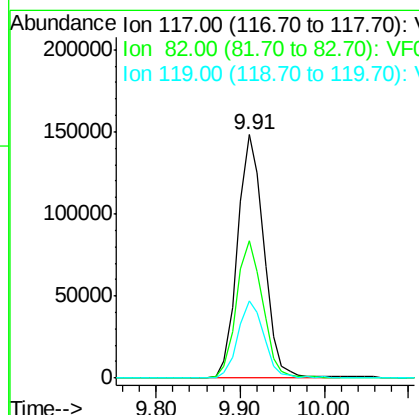
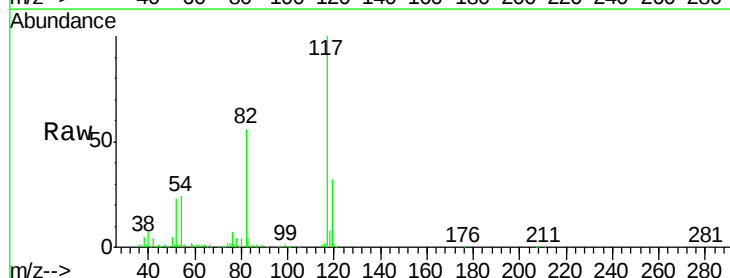
RT: 9.91 min Scan# 951

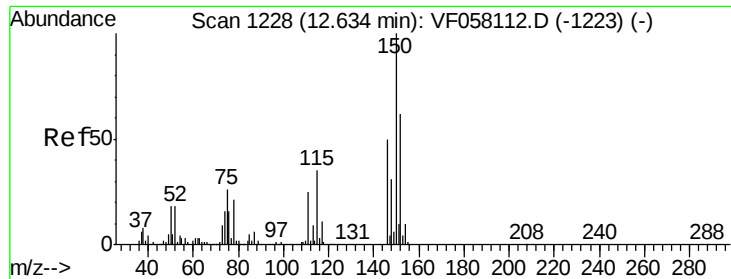
Delta R.T. -0.00 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 323683 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.3  | 45.2  | 67.8   |
| 119       | 31.5  | 27.5  | 41.3   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059224.D

Acq: 20 Jun 2018 9:31

Instrument :

MSVOA\_F

ClientSampleId :

TP-12-D

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 199547 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 56.0  | 28.5  | 85.5   |
| 150       | 156.5 | 0.0   | 323.8  |

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