

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051019\  
 Data File : VW010373.D  
 Acq On : 10 May 2019 23:15  
 Operator : SY/VA  
 Sample : K2718-15  
 Misc : 6.36G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS006-1824-01

Manual Integrations  
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 5/11/2019 12:12:34 PM

Quant Time: May 11 00:32:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 10 03:41:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 785399   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 1465151  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 1134517  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 357031   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 567881   | 68.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 136.02% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 473451   | 55.22 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.44% |          |
| 50) Toluene-d8              | 10.32 | 98   | 1273515  | 36.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 72.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 351739   | 28.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 57.24%  |          |

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

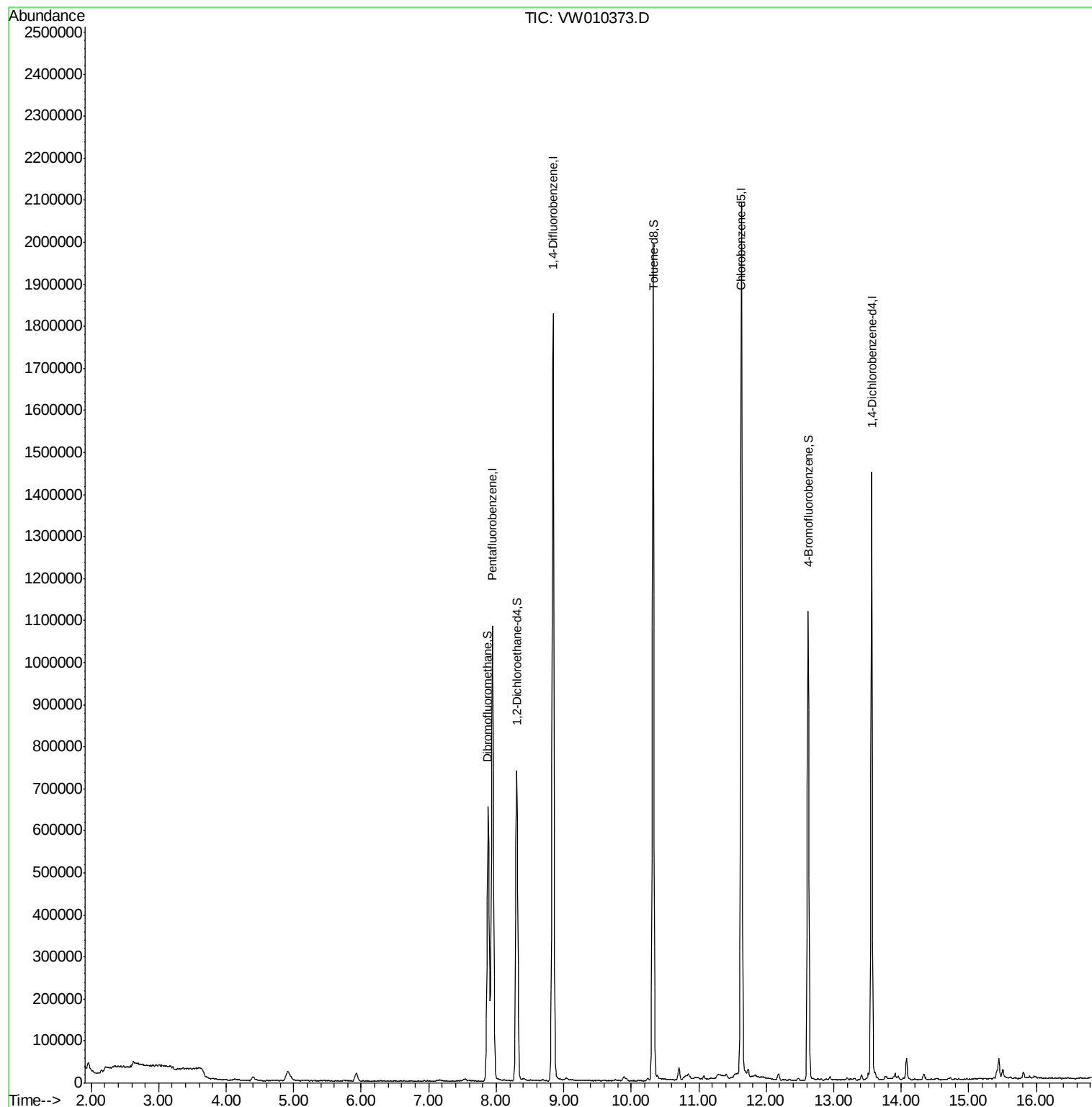
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051019\  
Data File : VW010373.D  
Acq On : 10 May 2019 23:15  
Operator : SY/VA  
Sample : K2718-15  
Misc : 6.36G/5ML/MSVOA\_W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

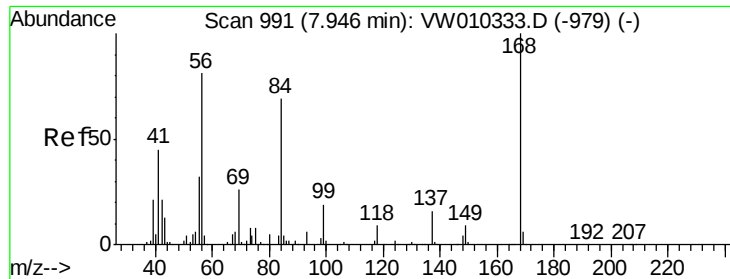
Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS006-1824-01

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Quant Time: May 11 00:32:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050919S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 10 03:41:21 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010373.D

Acq: 10 May 2019 23:15

Instrument :

MSVOA\_W

ClientSampleId :

P026-SS006-1824-01

Tgt Ion:168 Resp: 785399

Ion Ratio Lower Upper

168 100

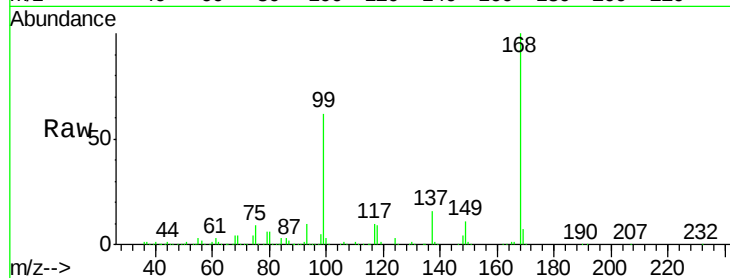
99 62.0 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

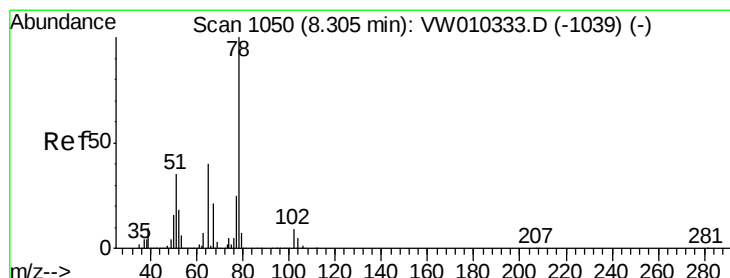
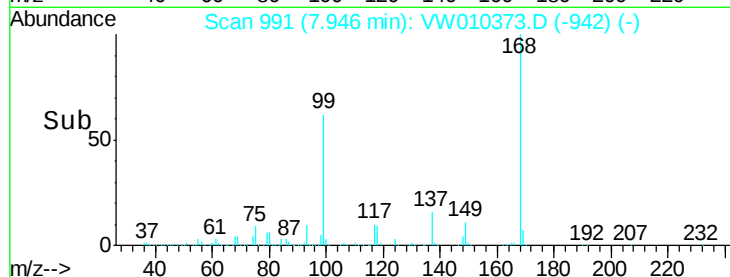
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#33

1,2-Dichloroethane-d4

Concen: 68.011 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010373.D

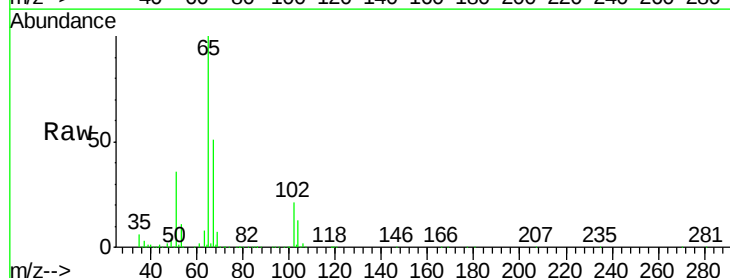
Acq: 10 May 2019 23:15

Tgt Ion: 65 Resp: 567881

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

300000

250000

200000

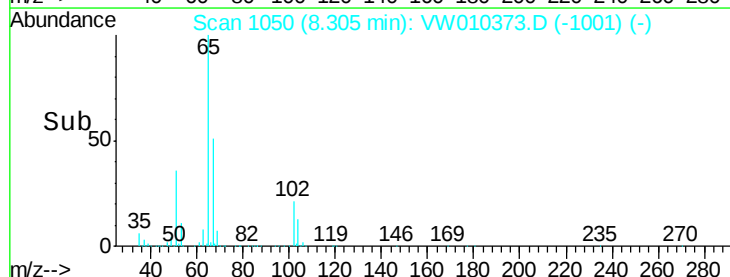
150000

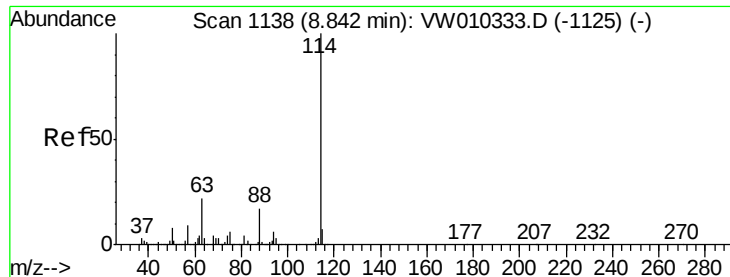
100000

50000

0

Time--> 8.20 8.30 8.40





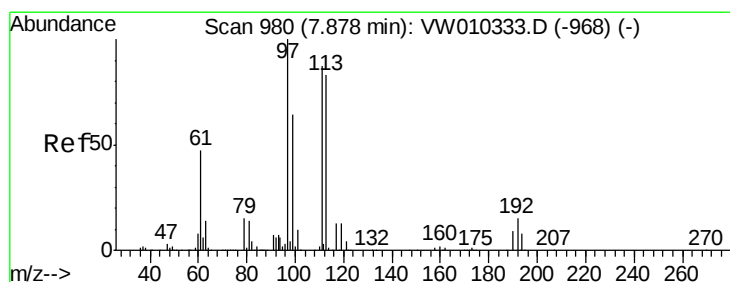
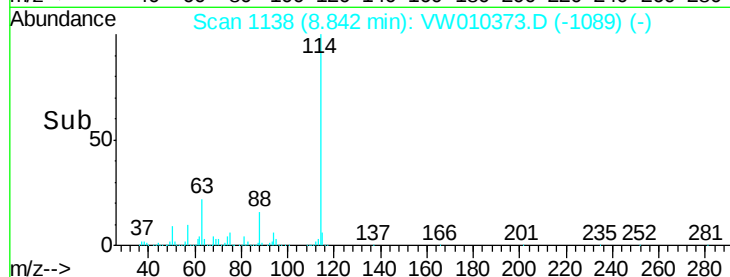
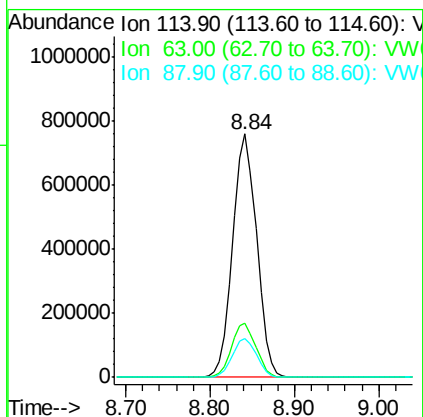
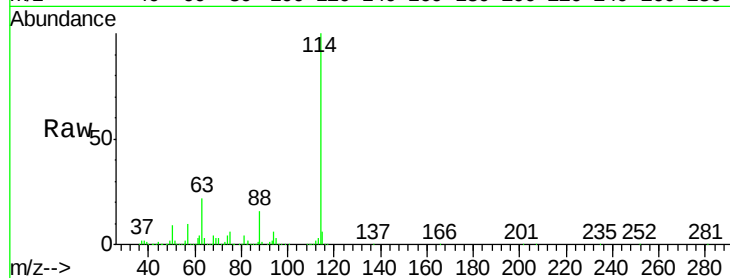
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010373.D  
 Acq: 10 May 2019 23:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS006-1824-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.2  | 0.0   | 46.2  |
| 88      | 16.0  | 0.0   | 32.6  |

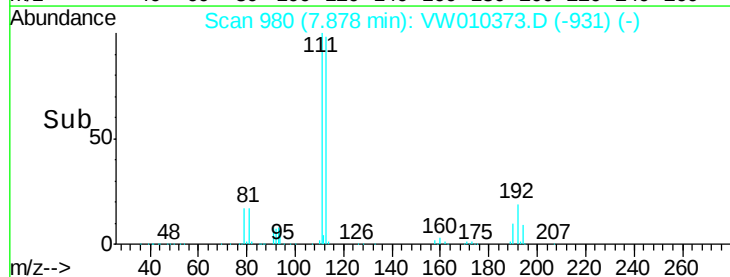
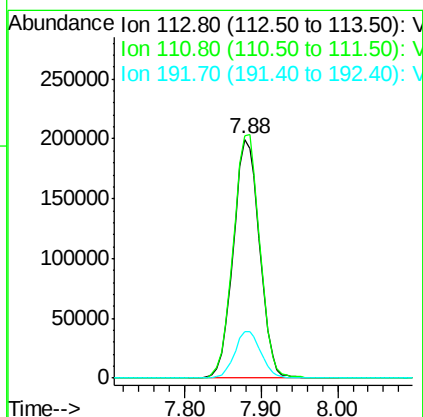
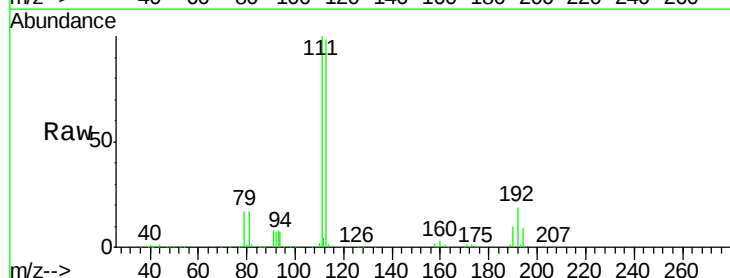
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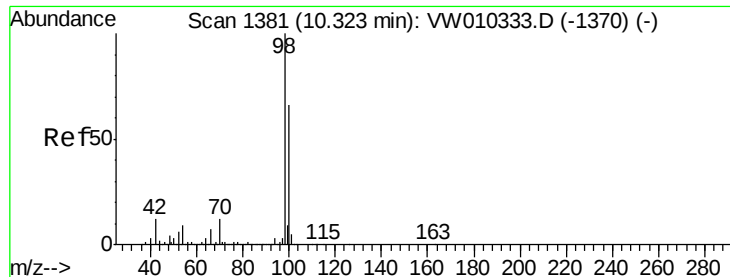
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#35  
 Dibromofluoromethane  
 Concen: 55.220 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW010373.D  
 Acq: 10 May 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.6  | 123.8 |
| 192     | 19.6  | 15.4  | 23.2  |





#50

Toluene-d8

Concen: 36.477 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010373.D

Acq: 10 May 2019 23:15

Instrument :

MSVOA\_W

ClientSampleId :

P026-SS006-1824-01

Tgt Ion: 98 Resp: 1273515

Ion Ratio Lower Upper

98 100

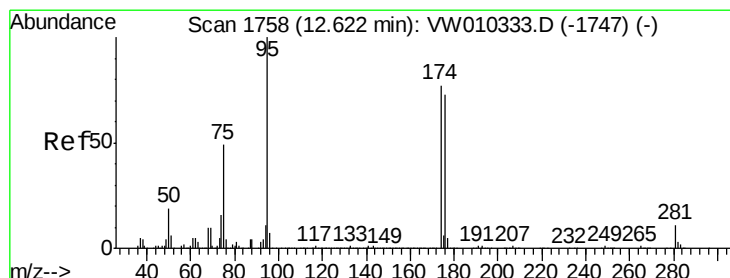
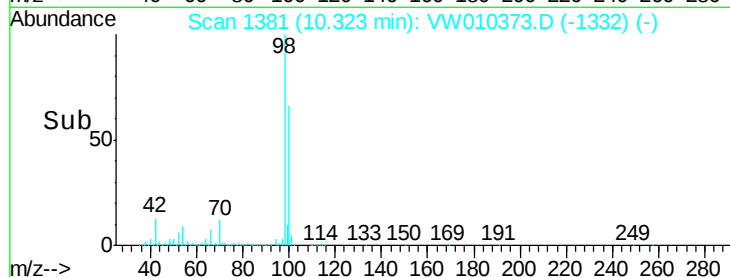
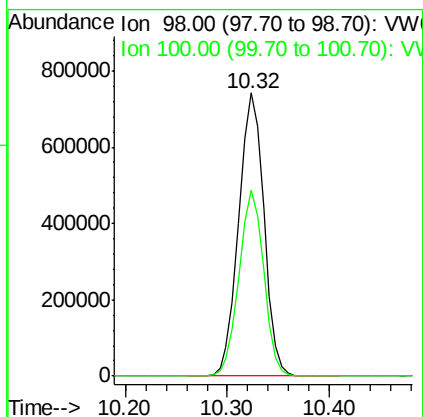
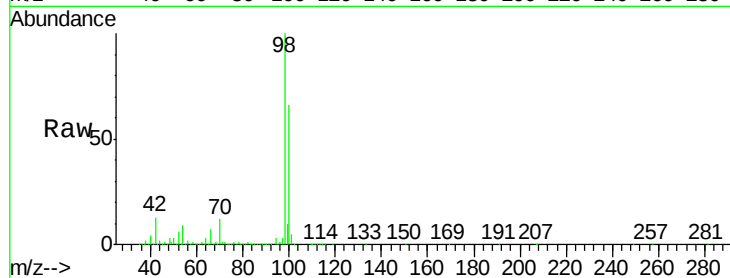
100 64.3 52.3 78.5

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#62

4-Bromofluorobenzene

Concen: 28.621 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010373.D

Acq: 10 May 2019 23:15

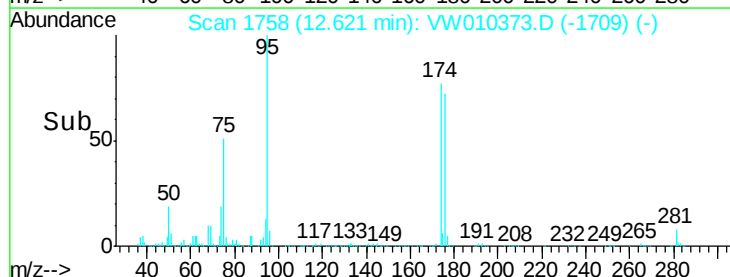
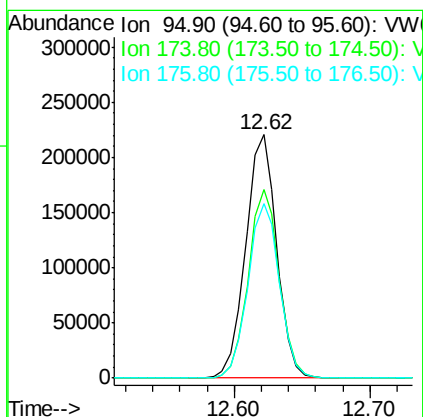
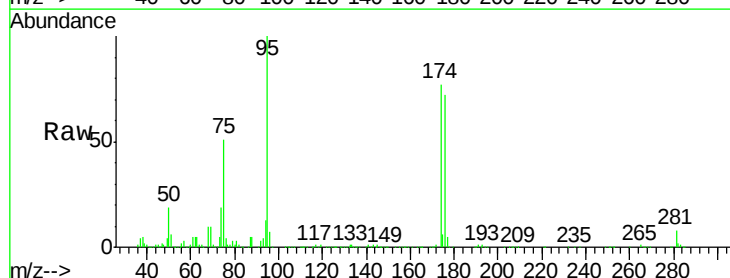
Tgt Ion: 95 Resp: 351739

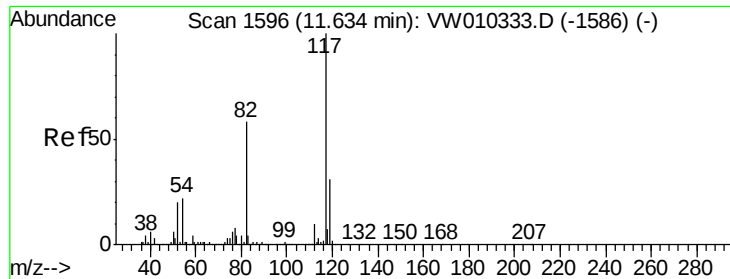
Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.4

176 73.0 0.0 146.2





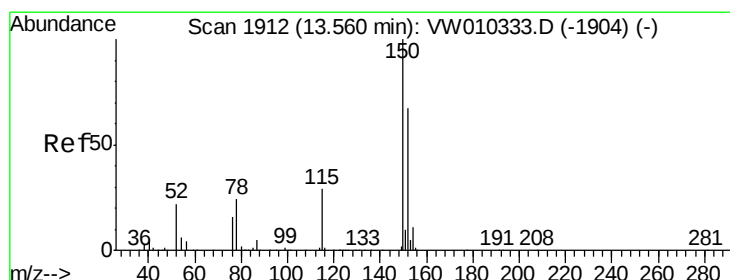
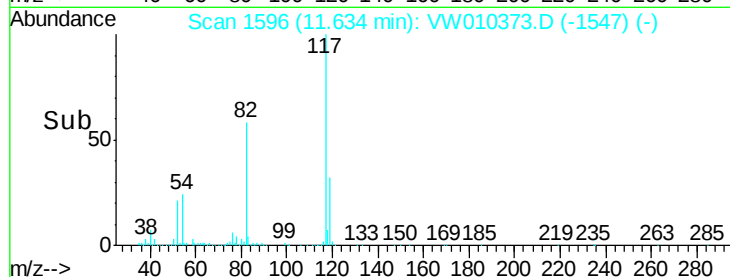
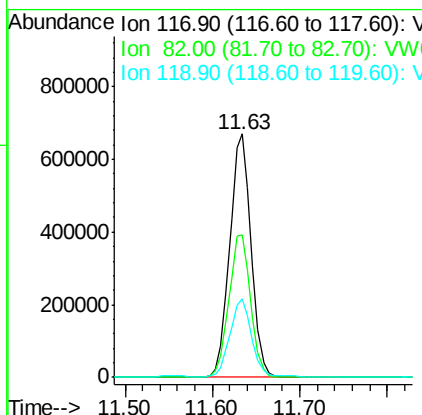
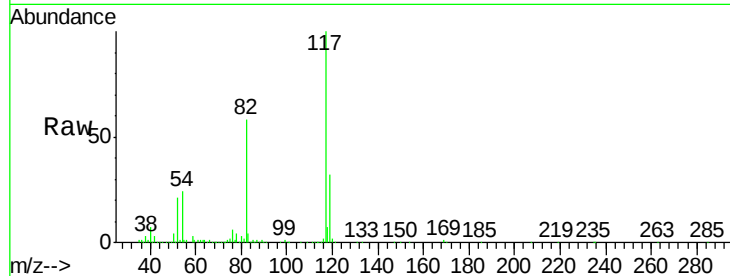
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010373.D  
Acq: 10 May 2019 23:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS006-1824-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.3  | 45.2  | 67.8  |
| 119     | 32.0  | 25.4  | 38.2  |

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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010373.D  
Acq: 10 May 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 30.4  | 91.2  |
| 150     | 157.5 | 0.0   | 347.0 |

