

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\  
 Data File : VW004781.D  
 Acq On : 18 Aug 2018 14:14  
 Operator : SY/AP  
 Sample : J4439-13  
 Misc : 6.31G/5ML/MSVOA W/SOIL  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 IDW-SO3-SRI3

Manual Integrations  
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Quant Time: Aug 20 02:30:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081918S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 18 01:49:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 565460   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 999795   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 885954   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 411805   | 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   | 328433   | 60.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 120.16% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 311908   | 48.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.62%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 1042378  | 41.79 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 83.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 354525   | 39.51 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.02%  |          |

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

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

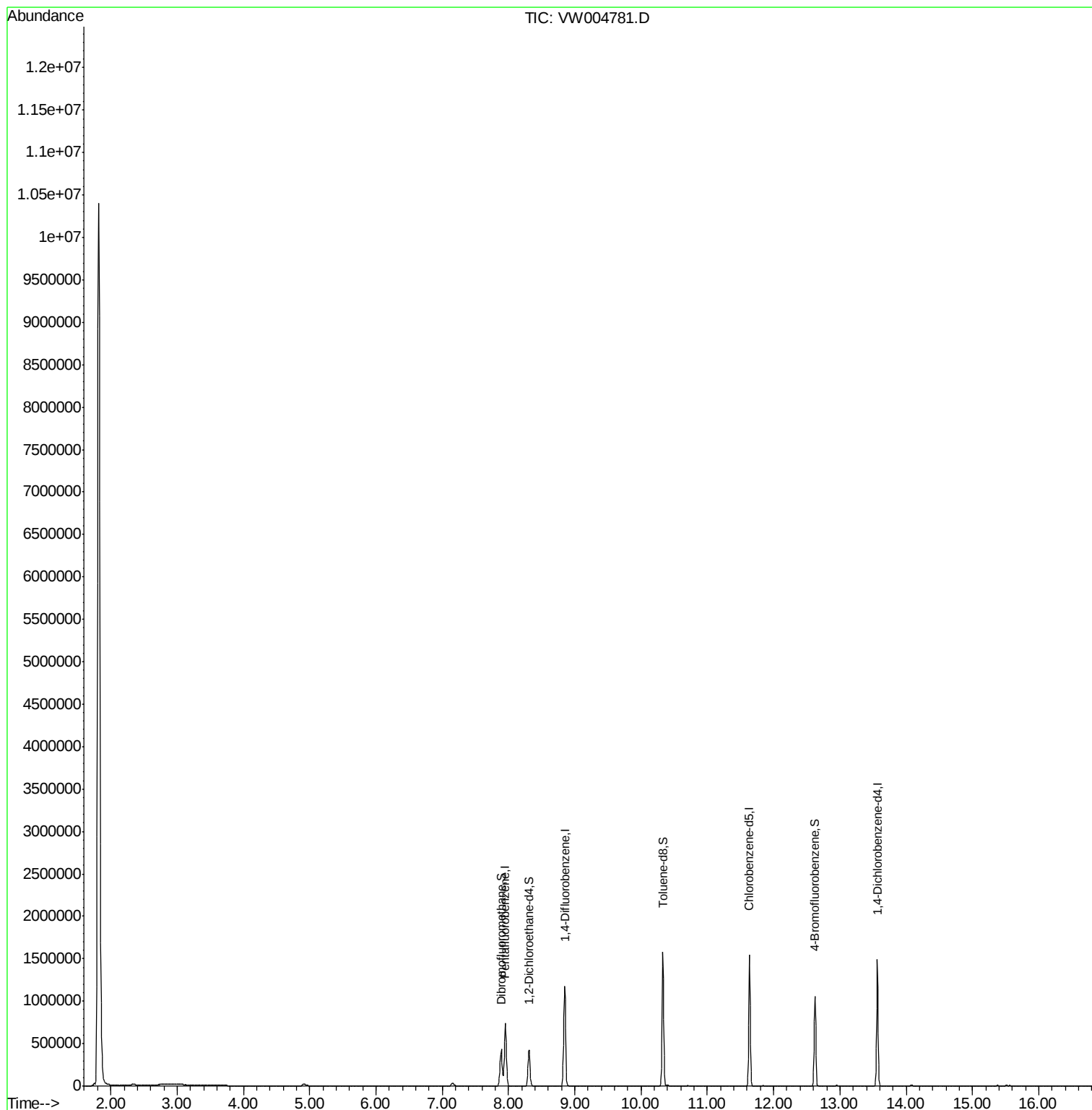
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081918\  
Data File : VW004781.D  
Acq On : 18 Aug 2018 14:14  
Operator : SY/AP  
Sample : J4439-13  
Misc : 6.31G/5ML/MSVOA W/SOIL  
ALS Vial : 55 Sample Multiplier: 1

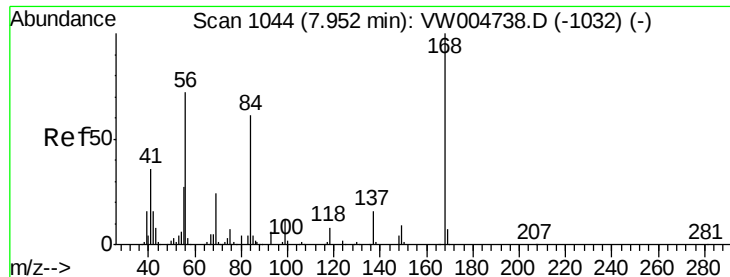
Instrument :  
MSVOA\_W  
ClientSampleId :  
IDW-SO3-SRI3

Manual Integrations  
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Quant Time: Aug 20 02:30:16 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W081918S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 18 01:49:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004781.D

Acq: 18 Aug 2018 14:14

Instrument :

MSVOA\_W

ClientSampleId :

IDW-SO3-SRI3

Tot Ion:168 Resp: 565460

Ion Ratio Lower Upper

168 100

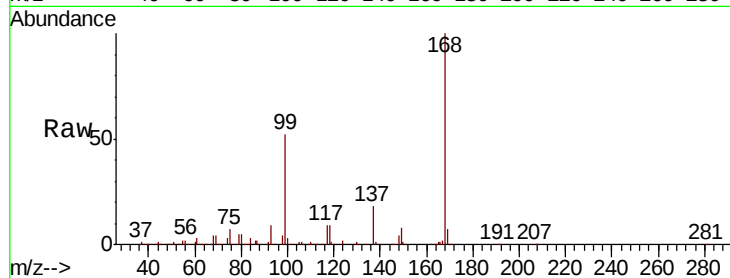
99 52.5 41.0 61.4

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

250000

200000

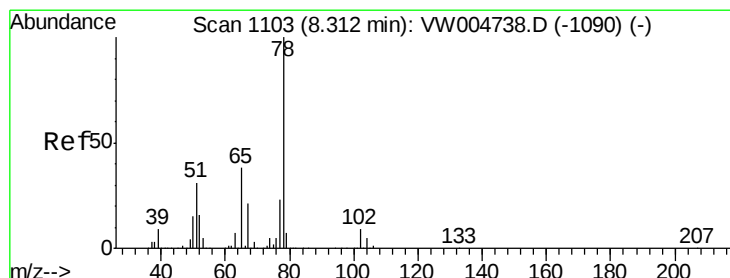
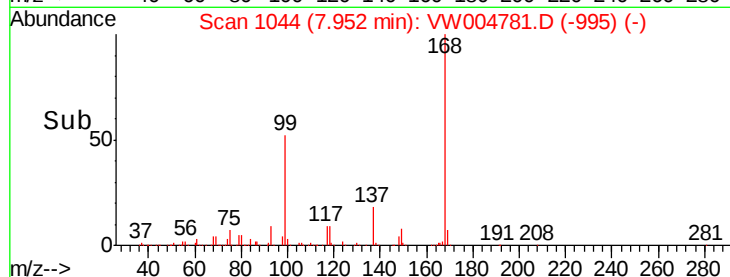
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 60.08 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004781.D

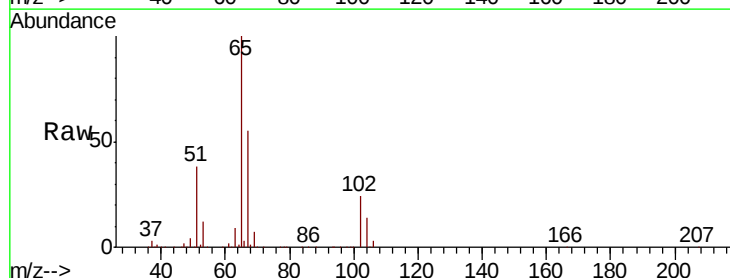
Acq: 18 Aug 2018 14:14

Tgt Ion: 65 Resp: 328433

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

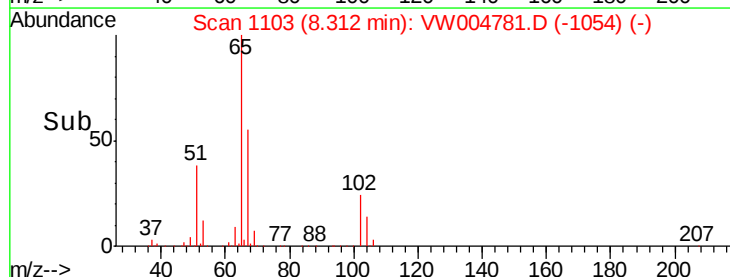
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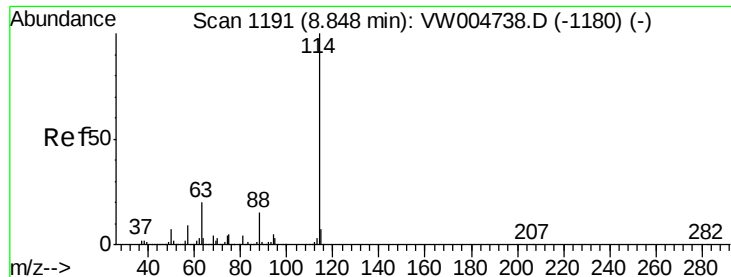
100000

50000

0

Time--> 8.20 8.30 8.40





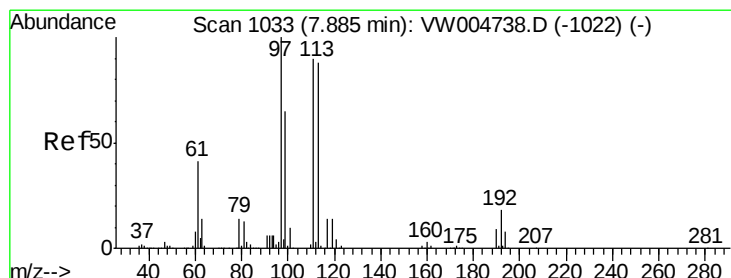
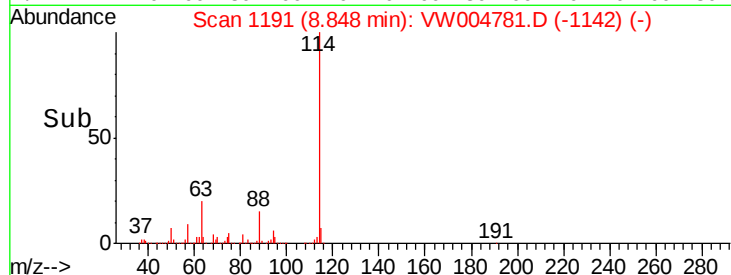
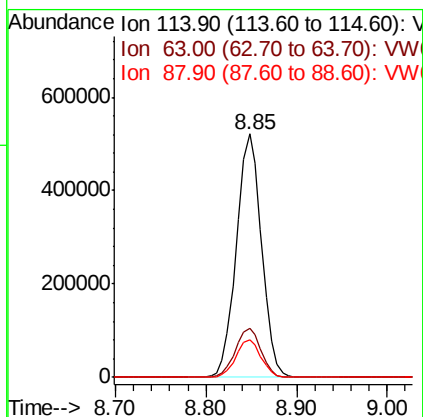
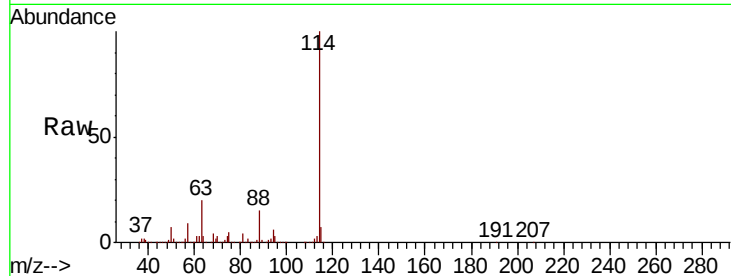
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW004781.D  
 Acq: 18 Aug 2018 14:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 IDW-SO3-SRI3

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 114     | 100   |            |       |
| 63      | 19.9  | 0.0        | 39.0  |
| 88      | 15.3  | 0.0        | 30.0  |

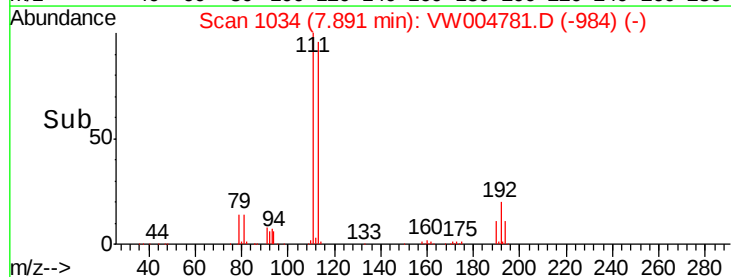
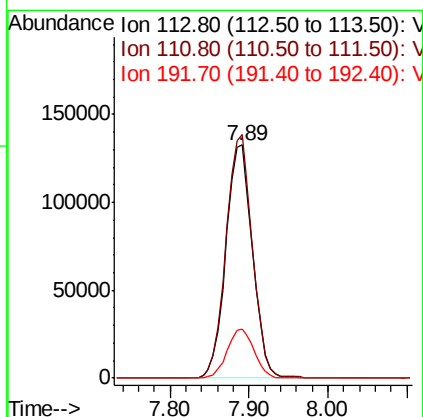
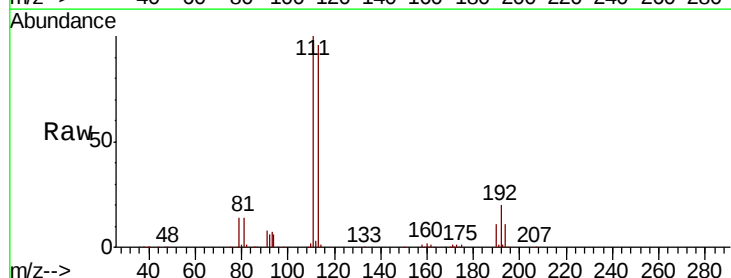
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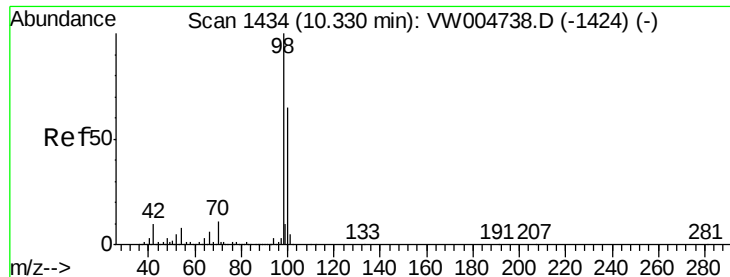
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#35  
 Dibromofluoromethane  
 Concen: 48.81 ug/l  
 RT: 7.89 min Scan# 1034  
 Delta R.T. 0.01 min  
 Lab File: VW004781.D  
 Acq: 18 Aug 2018 14:14

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 113     | 100   |            |       |
| 111     | 103.6 | 82.4       | 123.6 |
| 192     | 21.2  | 16.7       | 25.1  |





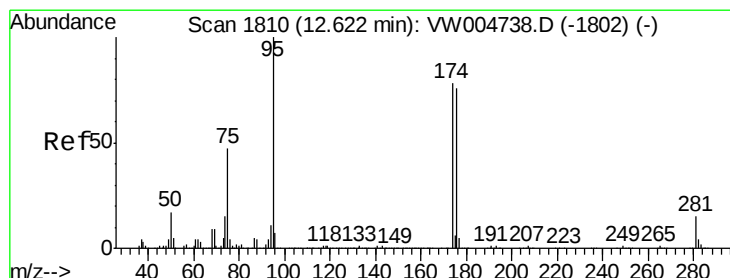
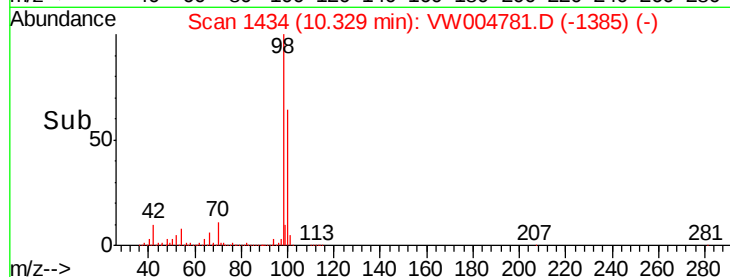
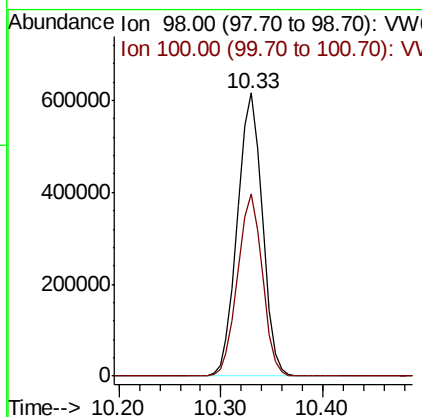
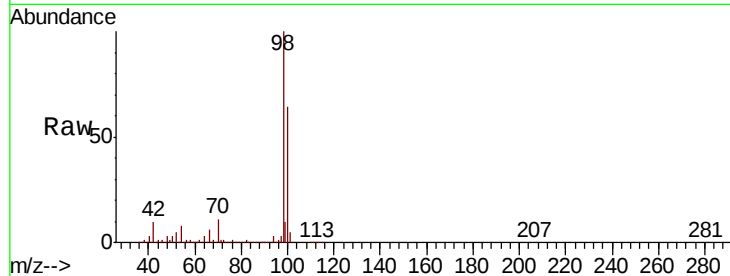
#50  
Toluene-d8  
Concen: 41.79 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. -0.00 min  
Lab File: VW004781.D  
Acq: 18 Aug 2018 14:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
IDW-SO3-SRI3

Tot Ion: 98 Resp: 1042378  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.8 77.8

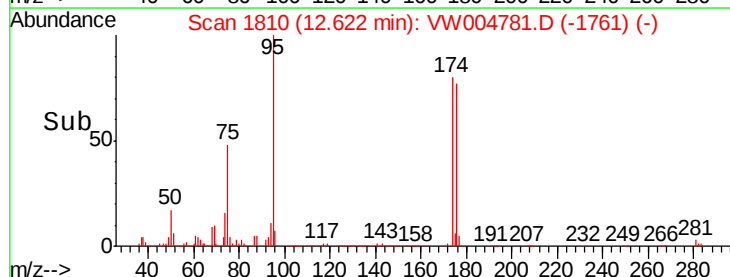
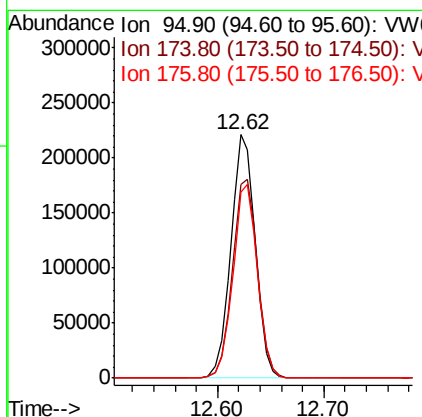
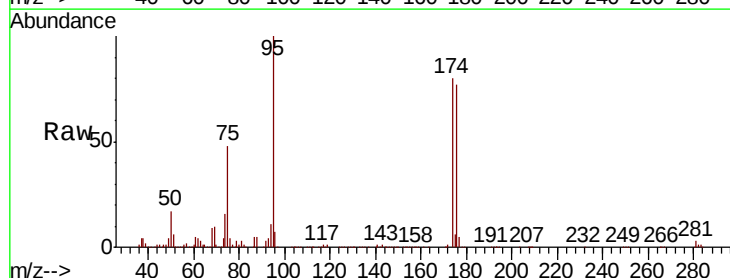
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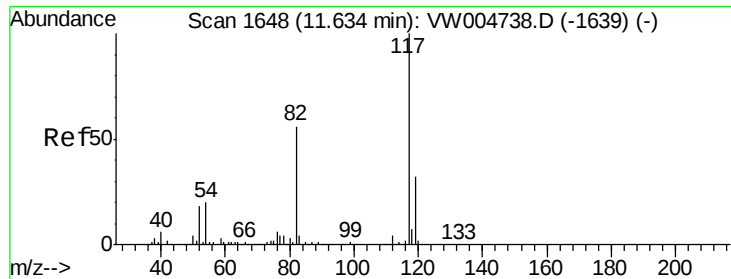
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#62  
4-Bromofluorobenzene  
Concen: 39.51 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. -0.00 min  
Lab File: VW004781.D  
Acq: 18 Aug 2018 14:14

Tgt Ion: 95 Resp: 354525  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 165.8  
176 80.0 0.0 159.8





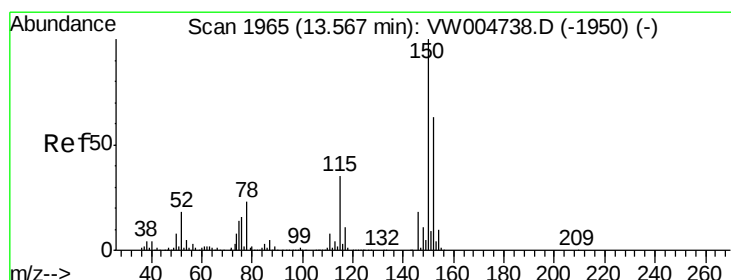
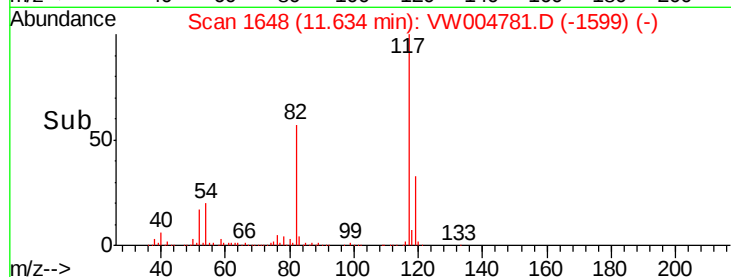
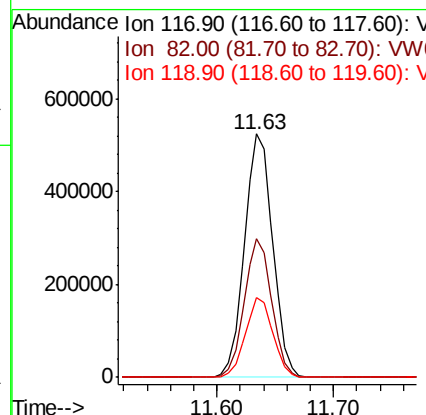
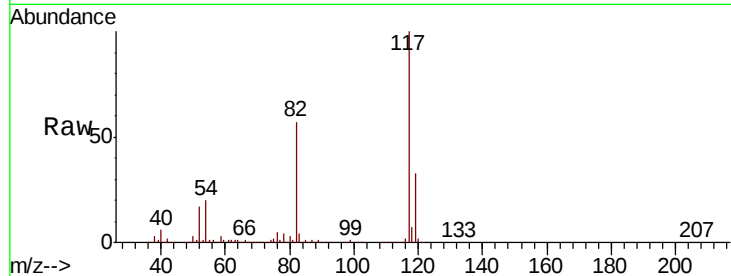
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW004781.D  
Acq: 18 Aug 2018 14:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
IDW-SO3-SRI3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 885954 |       |       |
| 82      | 57.1  |        | 44.6  | 67.0  |
| 119     | 32.5  |        | 25.6  | 38.4  |

Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW004781.D  
Acq: 18 Aug 2018 14:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 411805 |       |       |
| 115     | 55.9  |        | 28.5  | 85.5  |
| 150     | 157.1 |        | 0.0   | 344.8 |

