

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\  
 Data File : VN059234.D  
 Acq On : 14 Nov 2019 15:22  
 Operator : JC/SP  
 Sample : K5842-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S36-TB-2019-3

Manual Integrations  
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 11/15/2019 11:39:35 AM

Quant Time: Nov 15 07:48:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 466696   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 720722   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 621442   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 226068   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 290703   | 50.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.34% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 225624   | 52.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.86% |          |
| 50) Toluene-d8              | 10.08 | 98   | 871550   | 51.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.84% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 276054   | 45.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.34%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 30) Chloroform              | 7.36  | 83   | 3799m    | 0.420 | ug/l    | Qvalue   |

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

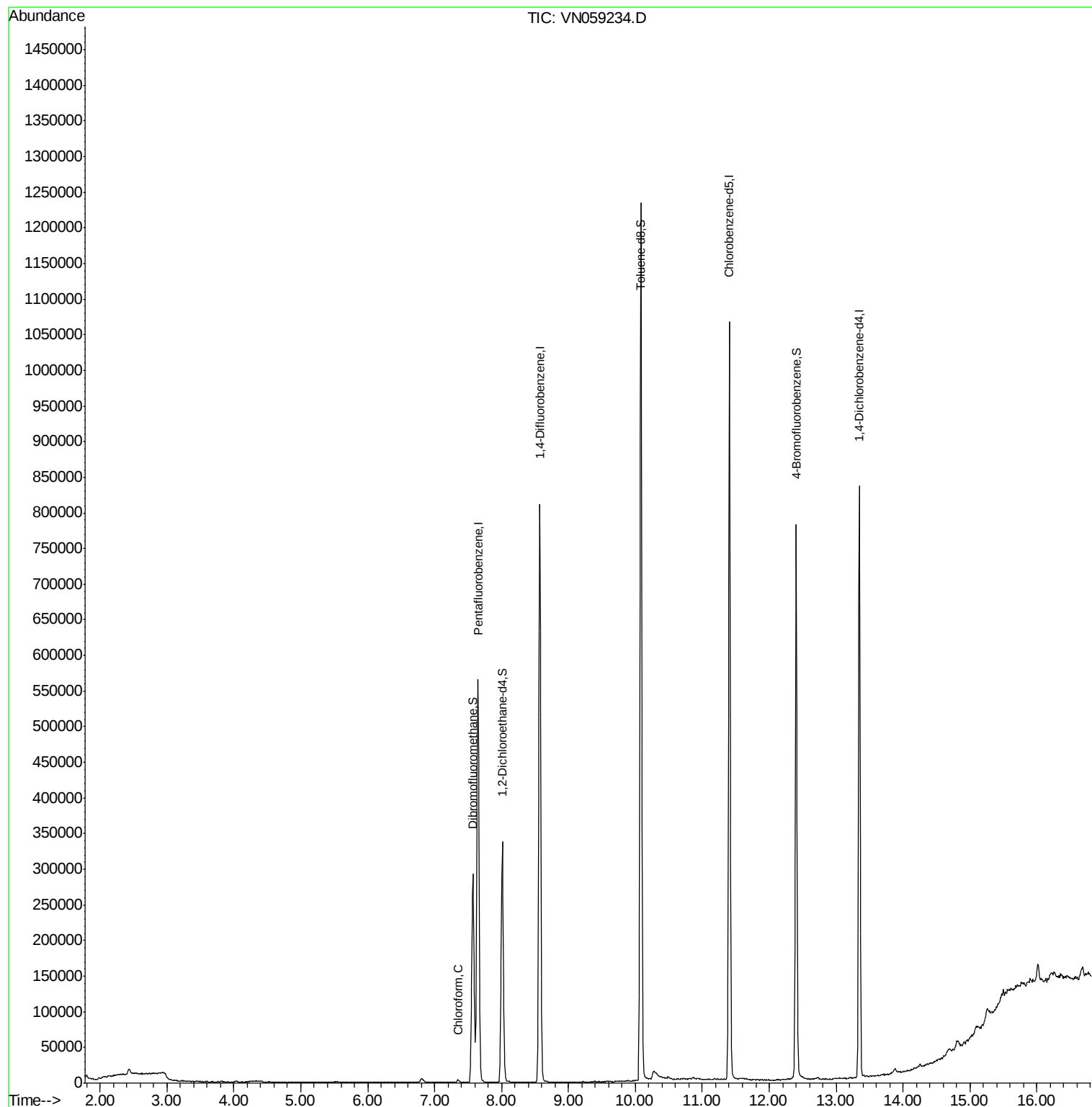
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\  
Data File : VN059234.D  
Acq On : 14 Nov 2019 15:22  
Operator : JC/SP  
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ALS Vial : 18 Sample Multiplier: 1

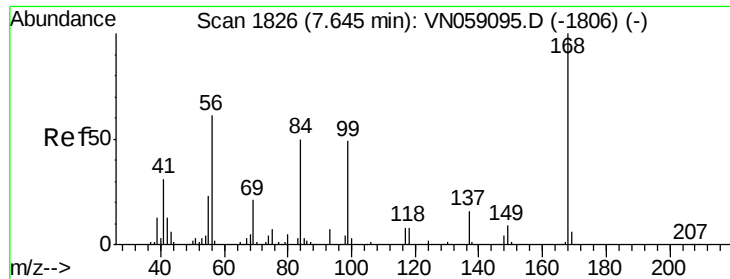
Instrument :  
MSVOA\_N  
ClientSampleId :  
S36-TB-2019-3

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Quant Time: Nov 15 07:48:17 2019  
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Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA\_N

ClientSampleId :

S36-TB-2019-3

Tot Ion:168 Resp: 466696

Ion Ratio Lower Upper

168 100

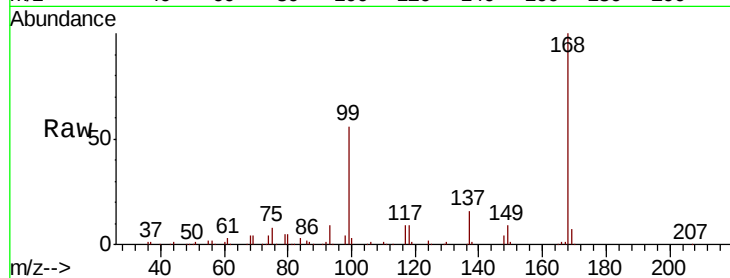
99 56.1 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

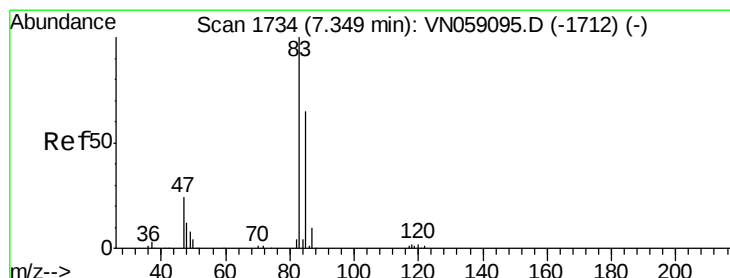
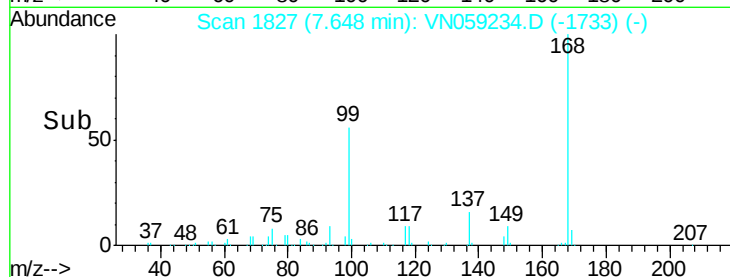
100000

50000

0

7.60 7.70

Time-->



#30

Chloroform

Concen: 0.420 ug/l m

RT: 7.36 min Scan# 1737

Delta R.T. 0.01 min

Lab File: VN059234.D

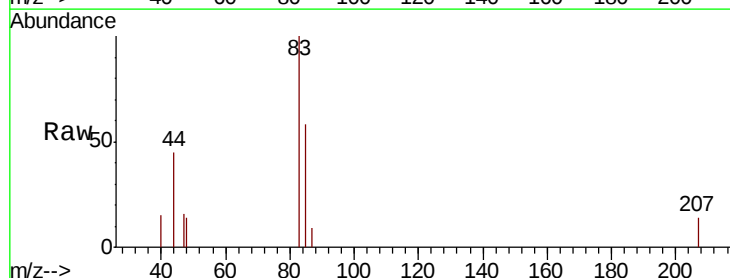
Acq: 14 Nov 2019 15:22

Tgt Ion: 83 Resp: 3799

Ion Ratio Lower Upper

83 100

85 57.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN

Ion 84.90 (84.60 to 85.60): VN

7.36

2000

1500

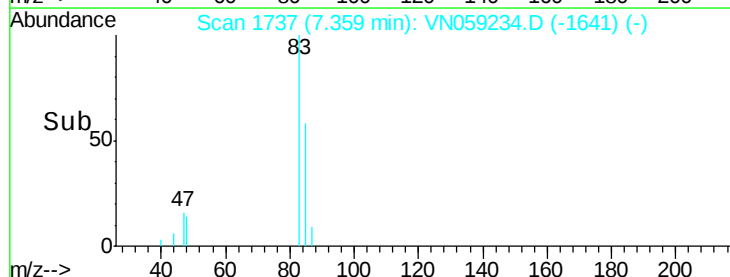
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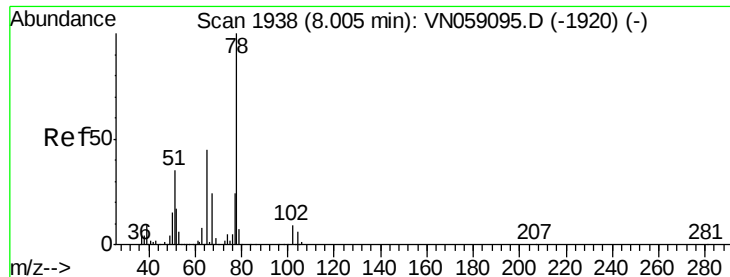
500

0

7.30 7.35 7.40

Time-->





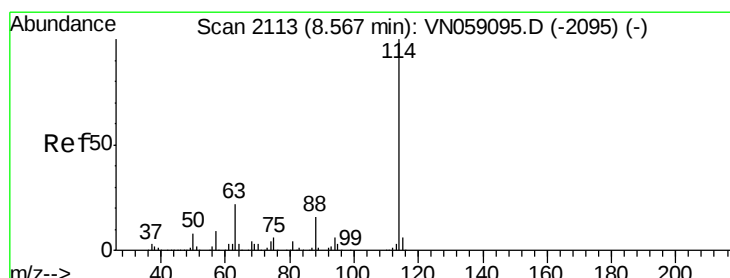
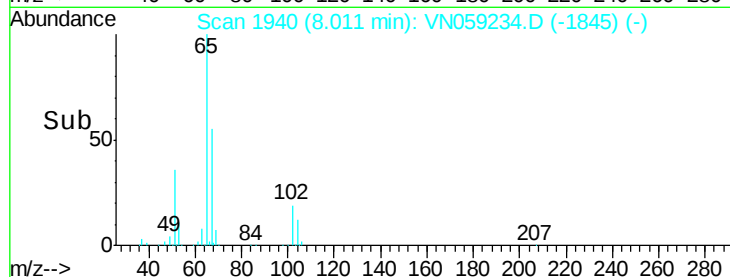
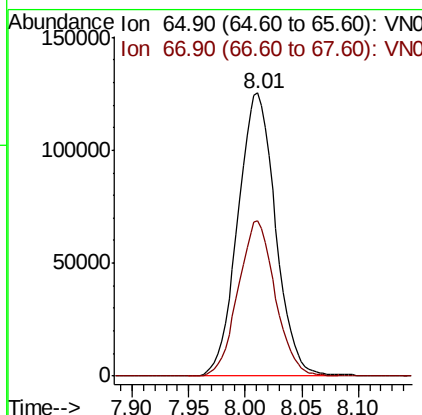
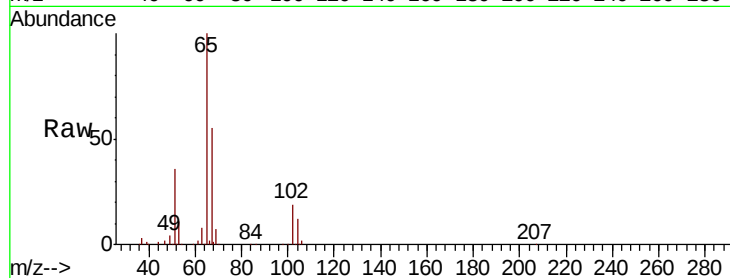
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.672 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.01 min  
 Lab File: VN059234.D  
 Acq: 14 Nov 2019 15:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S36-TB-2019-3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 290703 |       |       |
| 67      | 54.1  | 0.0    | 107.4 |       |

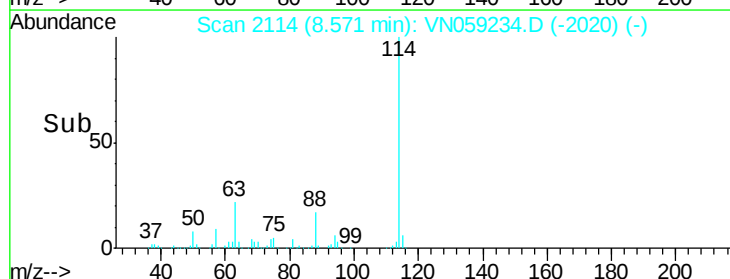
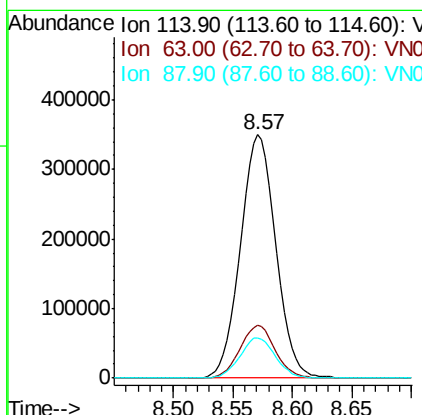
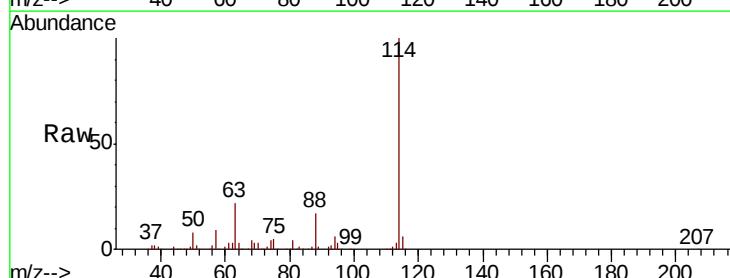
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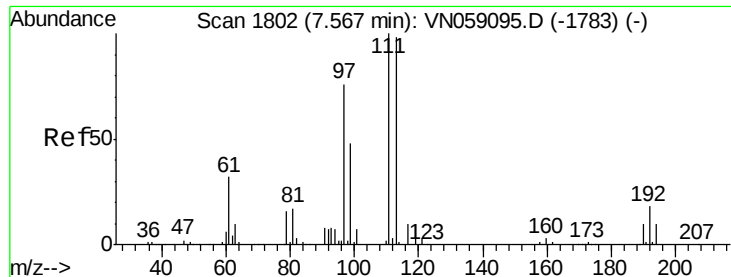
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059234.D  
 Acq: 14 Nov 2019 15:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 720722 |       |       |
| 63      | 21.6  | 0.0    | 43.4  |       |
| 88      | 16.7  | 0.0    | 32.2  |       |





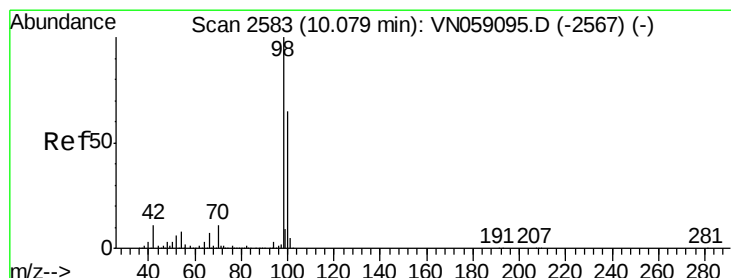
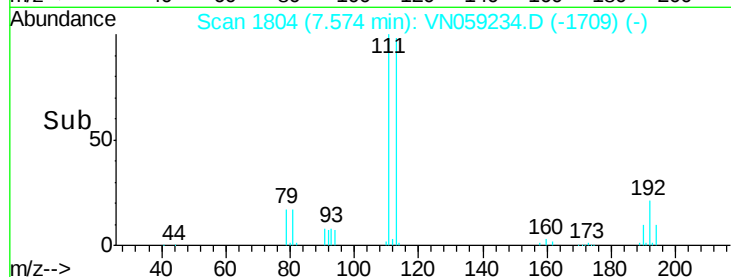
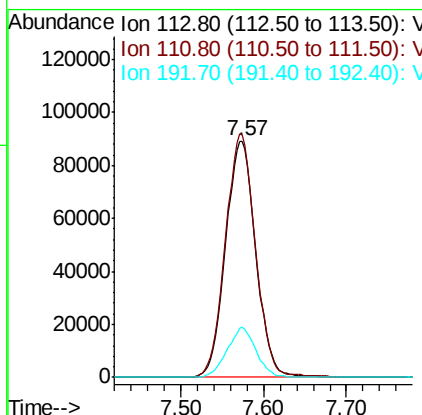
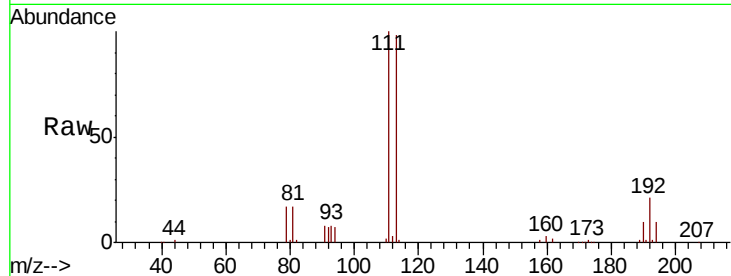
#35  
Dibromofluoromethane  
Concen: 52.429 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.01 min  
Lab File: VN059234.D  
Acq: 14 Nov 2019 15:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
S36-TB-2019-3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 225624 |       |       |
| 111     | 102.1 | 82.8   | 124.2 |       |
| 192     | 20.1  | 16.1   | 24.1  |       |

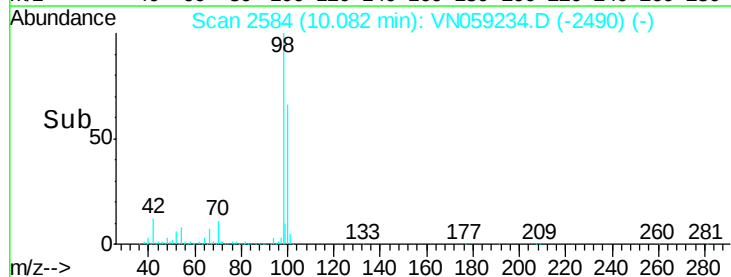
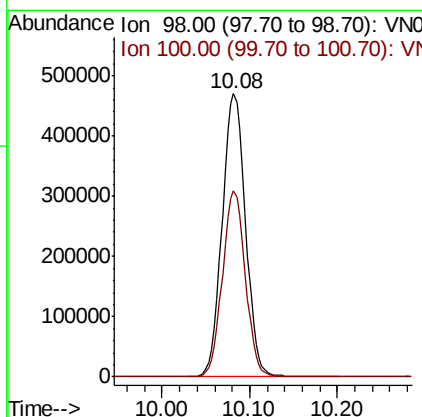
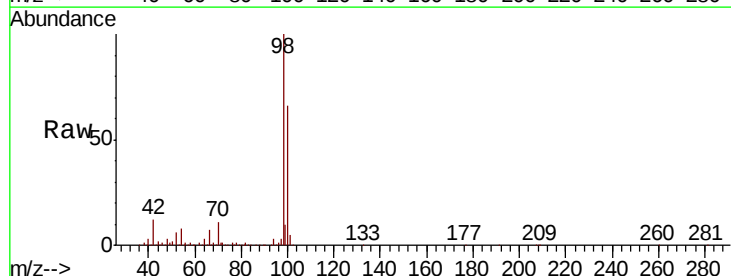
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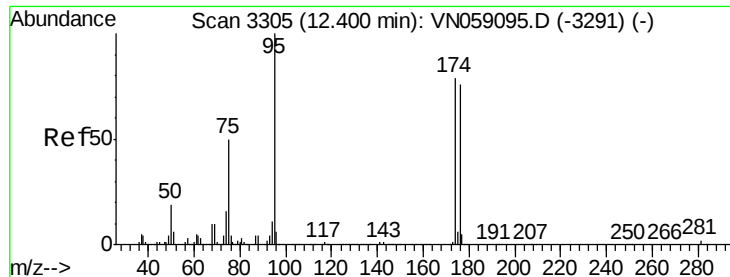
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#50  
Toluene-d8  
Concen: 51.417 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059234.D  
Acq: 14 Nov 2019 15:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 98      | 100   | 871550 |       |       |
| 100     | 64.4  | 52.2   | 78.2  |       |





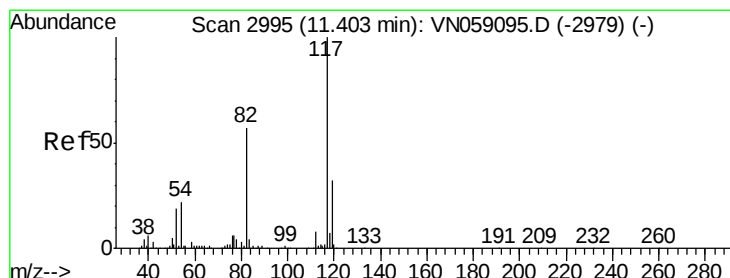
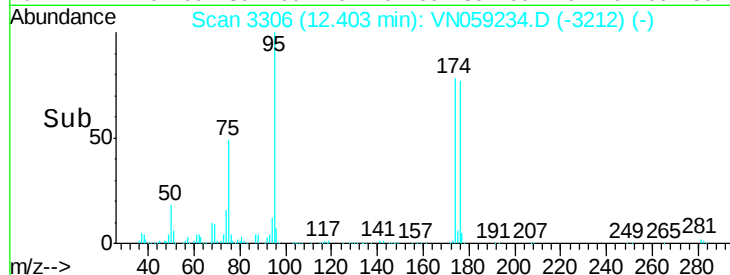
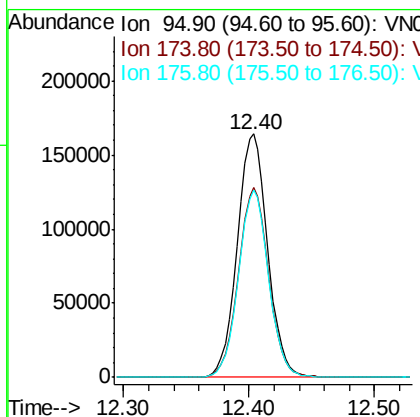
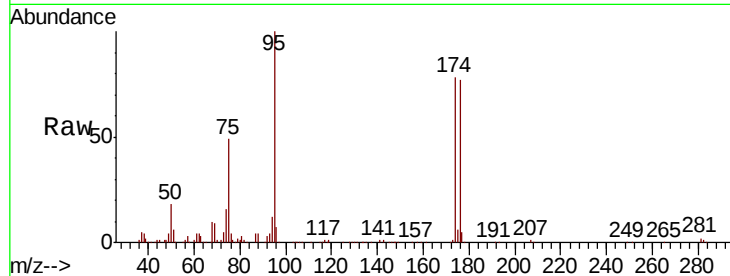
#62  
4-Bromofluorobenzene  
Concen: 45.167 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN059234.D  
Acq: 14 Nov 2019 15:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
S36-TB-2019-3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 276054 |       |       |
| 174     | 77.9  | 0.0    | 158.2 |       |
| 176     | 76.1  | 0.0    | 151.8 |       |

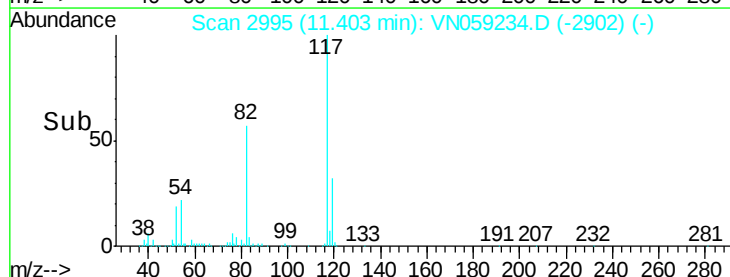
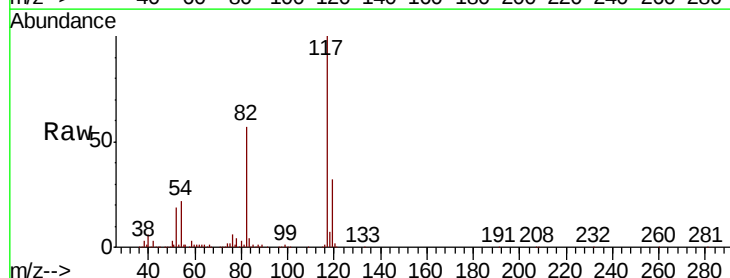
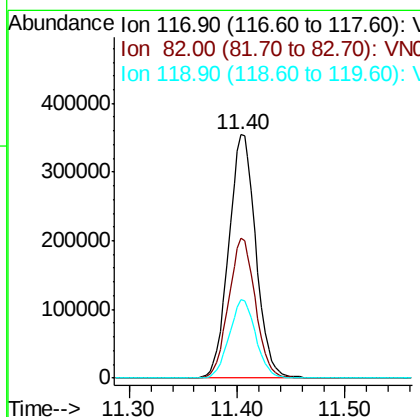
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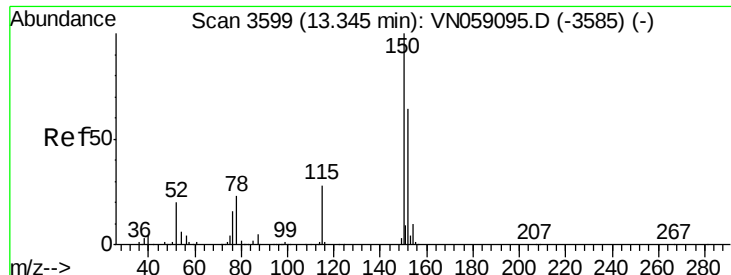
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. 0.00 min  
Lab File: VN059234.D  
Acq: 14 Nov 2019 15:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 621442 |       |       |
| 82      | 57.4  | 45.8   | 68.8  |       |
| 119     | 32.0  | 25.8   | 38.6  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059234.D

Acq: 14 Nov 2019 15:22

Instrument :

MSVOA\_N

ClientSampleId :

S36-TB-2019-3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 226068 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.1  | 29.4  | 88.2   |
| 150       | 155.6 | 0.0   | 345.8  |

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11/15/2019 11:39:35 AM

