

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN103118\  
 Data File : VN052082.D  
 Acq On : 31 Oct 2018 18:59  
 Operator : MD\SY  
 Sample : J5205-10  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-04-103018-B

Manual Integrations  
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MMDadoda  
 11/2/2018 1:11:25 PM

Quant Time: Nov 01 02:24:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 02:45:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 278211   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 524326   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 499744   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 200144   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 238948   | 53.52 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.04% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 199716   | 60.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 121.78% |          |
| 50) Toluene-d8              | 10.09 | 98   | 792779   | 60.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 120.94% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 271905   | 56.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.00% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 11211    | 11.76 | ug/l    | 91       |
| 20) Methylene Chloride      | 4.56  | 84   | 8588m    | 2.37  | ug/l    |          |
| 43) Isopropyl Acetate       | 8.17  | 43   | 151456   | 23.86 | ug/l    | 98       |

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

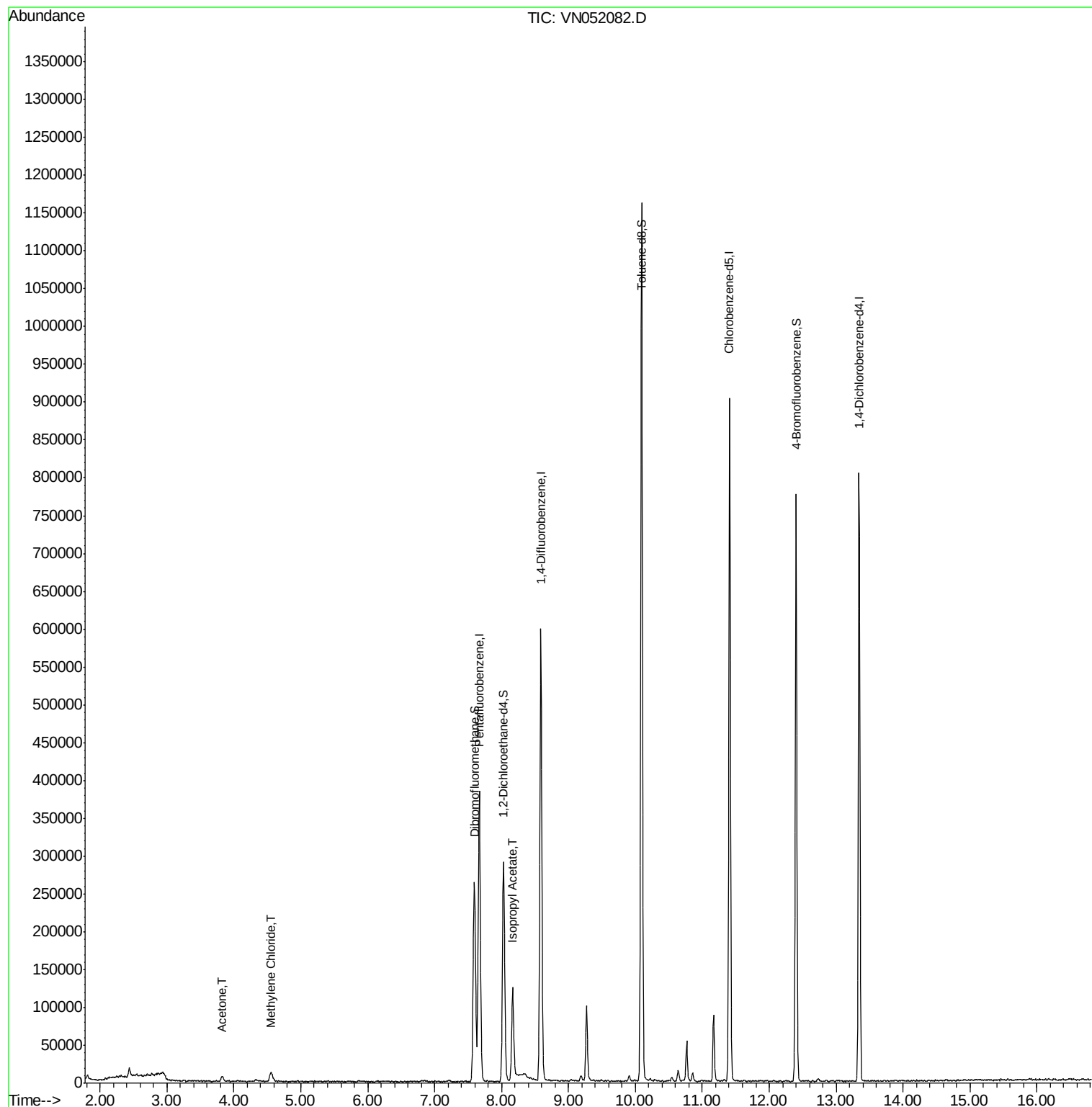
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN103118\  
Data File : VN052082.D  
Acq On : 31 Oct 2018 18:59  
Operator : MD\SY  
Sample : J5205-10  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 28

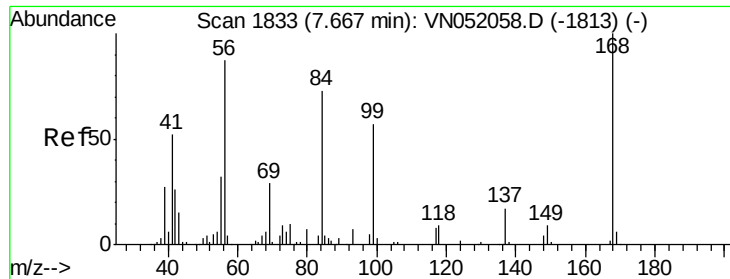
Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-04-103018-B

Manual Integrations  
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Quant Time: Nov 01 02:24:01 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 02:45:22 2018  
Response via : Initial Calibration





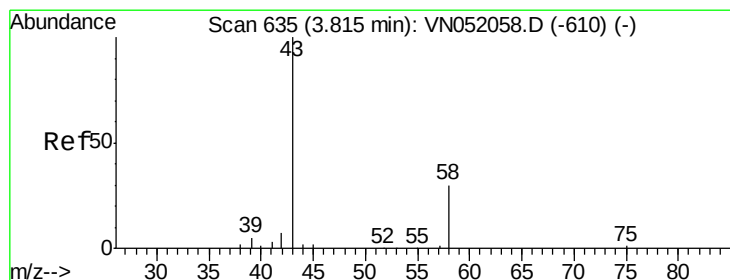
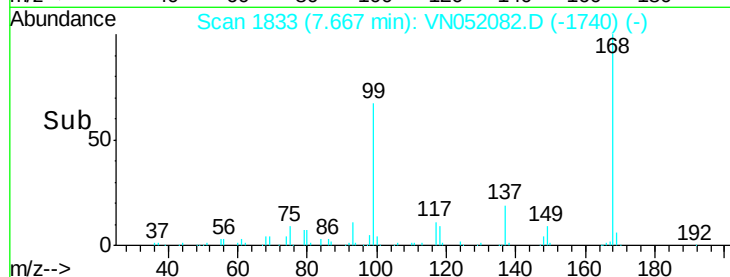
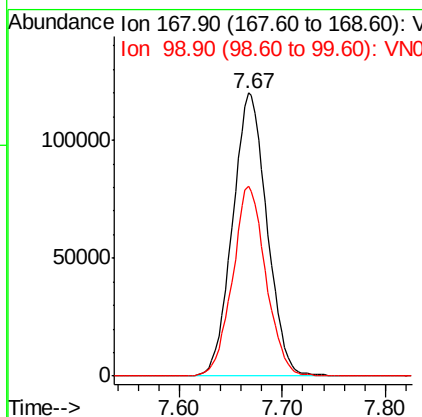
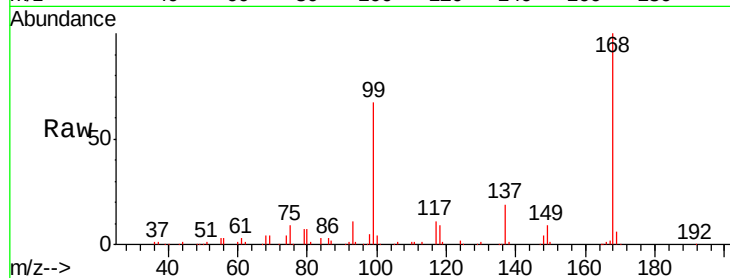
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VN052082.D  
Acq: 31 Oct 2018 18:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-04-103018-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 67.0  | 56.6  | 85.0  |

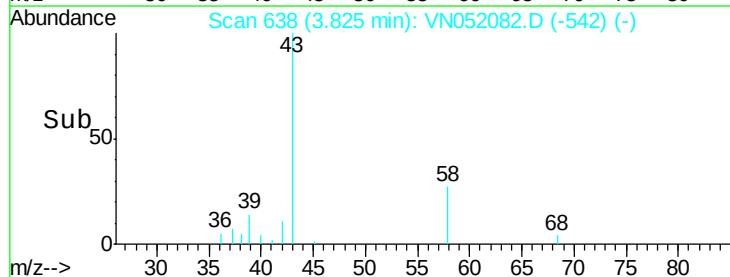
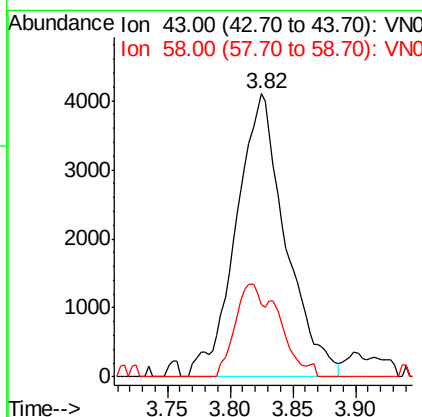
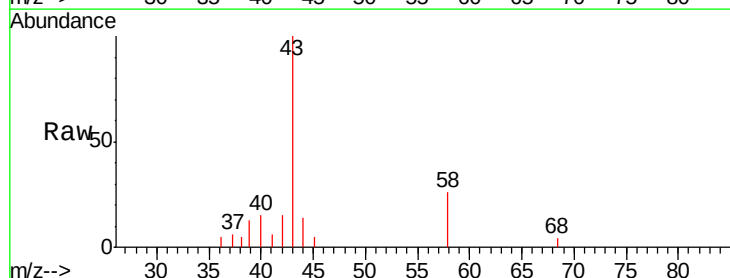
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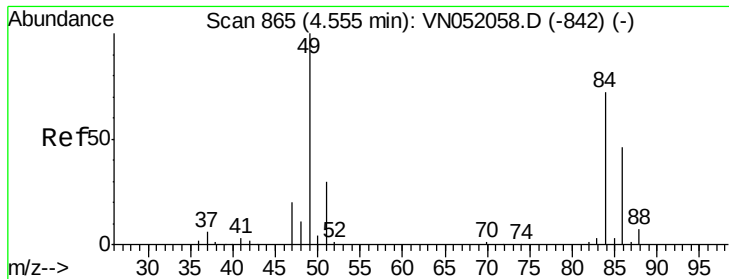
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#16  
Acetone  
Concen: 11.76 ug/l  
RT: 3.82 min Scan# 638  
Delta R.T. 0.01 min  
Lab File: VN052082.D  
Acq: 31 Oct 2018 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 25.5  | 24.2  | 36.2  |





#20

Methylene Chloride

Concen: 2.37 ug/l m

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052082.D

Acq: 31 Oct 2018 18:59

Instrument :

MSVOA\_N

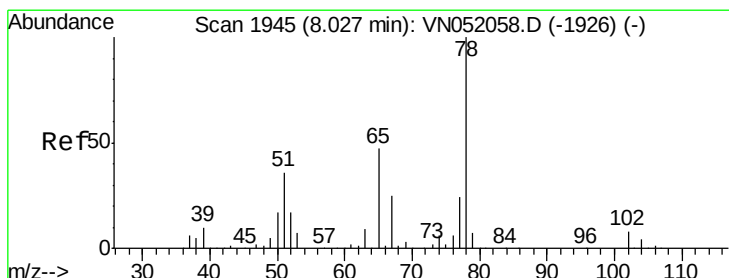
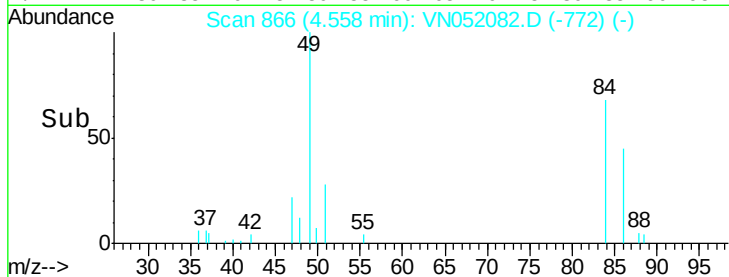
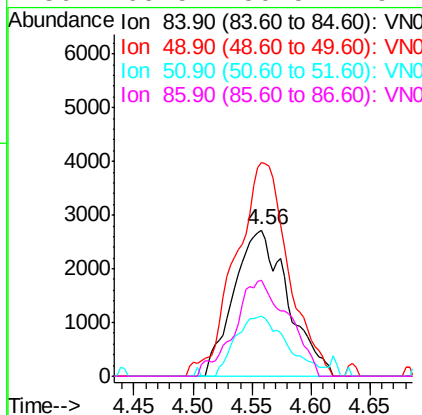
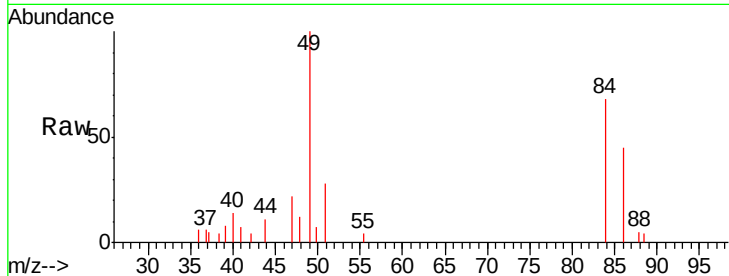
ClientSampleId :

TR-04-103018-B

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8588  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 146.1 | 110.6 | 165.8 |
| 51       | 40.9  | 33.7  | 50.5  |
| 86       | 65.5  | 50.5  | 75.7  |

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#33

1,2-Dichloroethane-d4

Concen: Below ug/l

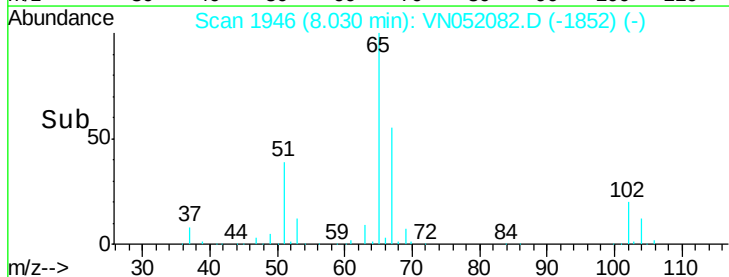
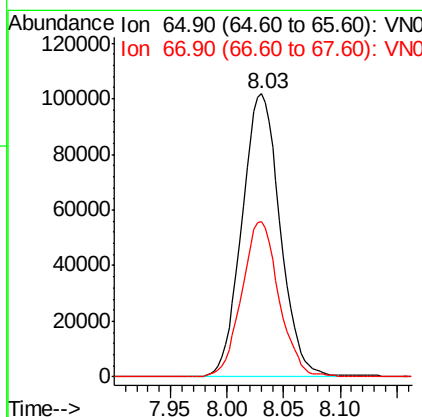
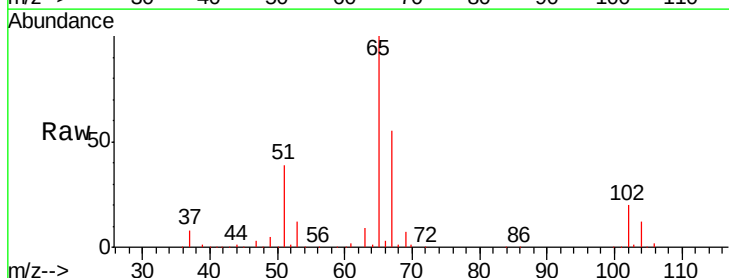
RT: 8.03 min Scan# 1946

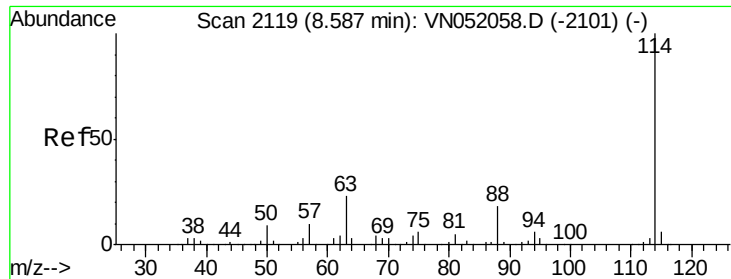
Delta R.T. 0.00 min

Lab File: VN052082.D

Acq: 31 Oct 2018 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 238948 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.6  | 0.0   | 105.2  |





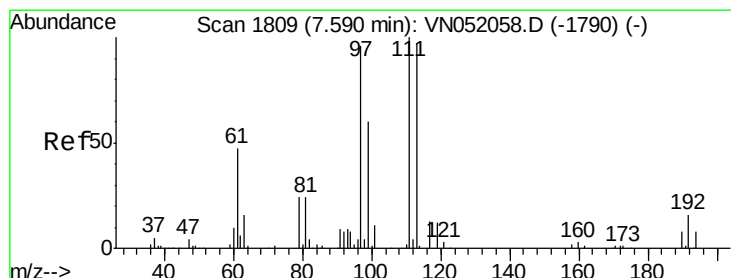
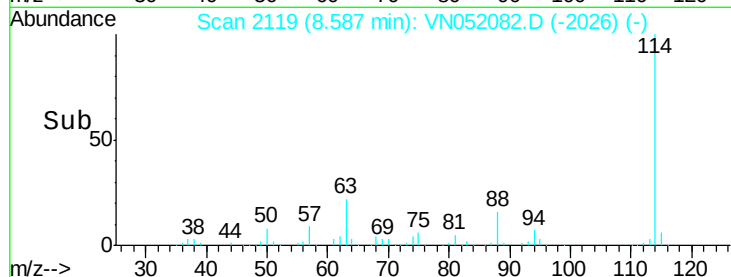
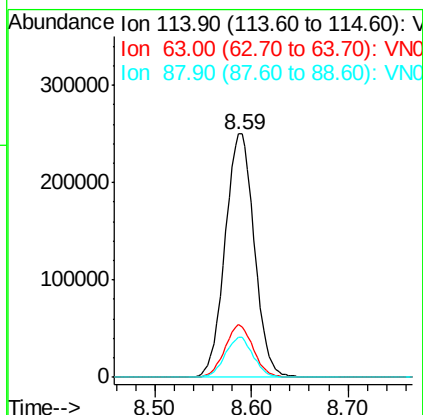
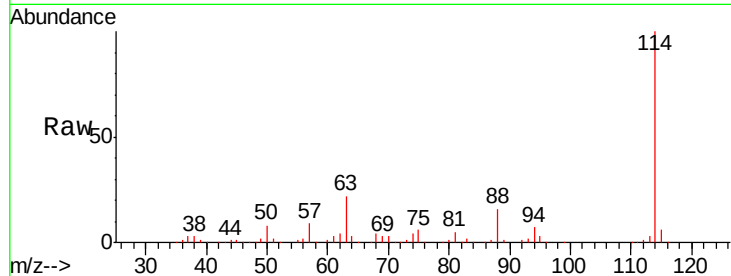
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052082.D  
 Acq: 31 Oct 2018 18:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-04-103018-B

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 114     | 100   |            |            |
| 63      | 21.6  | 0.0        | 46.0       |
| 88      | 16.4  | 0.0        | 35.4       |

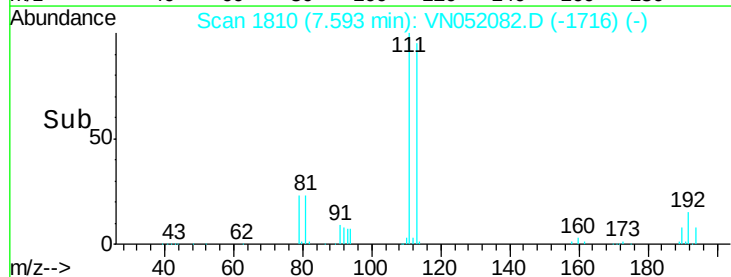
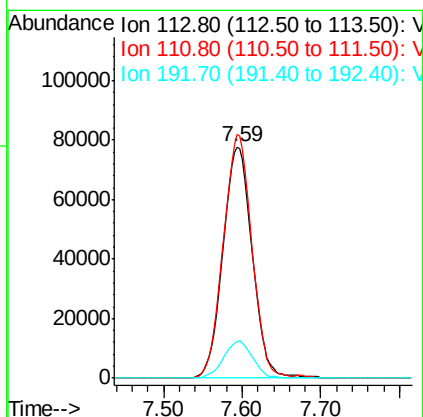
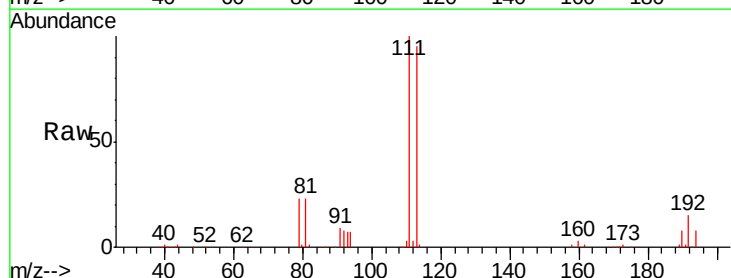
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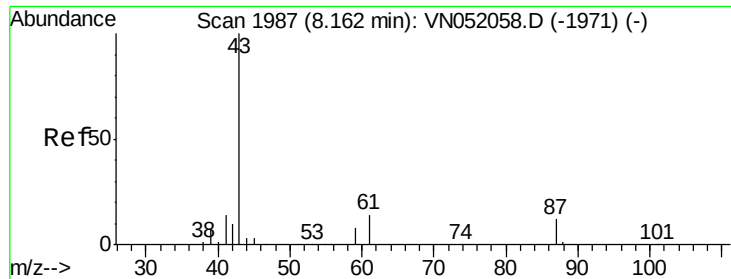
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#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052082.D  
 Acq: 31 Oct 2018 18:59

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 113     | 100   |            |            |
| 111     | 102.4 | 83.1       | 124.7      |
| 192     | 15.7  | 12.7       | 19.1       |





#43

Isopropyl Acetate

Concen: 23.86 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052082.D

Acq: 31 Oct 2018 18:59

Instrument :

MSVOA\_N

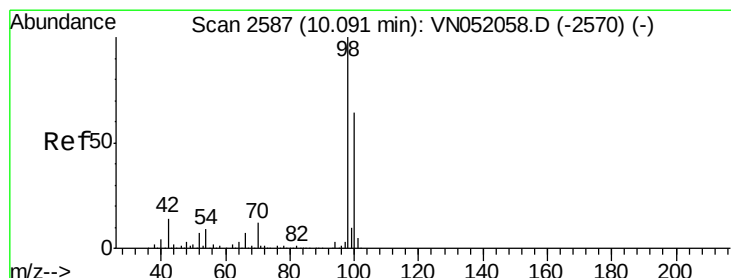
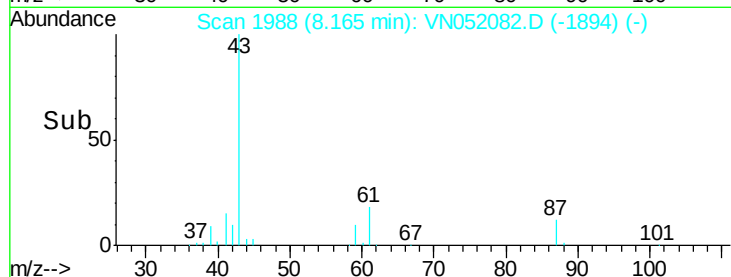
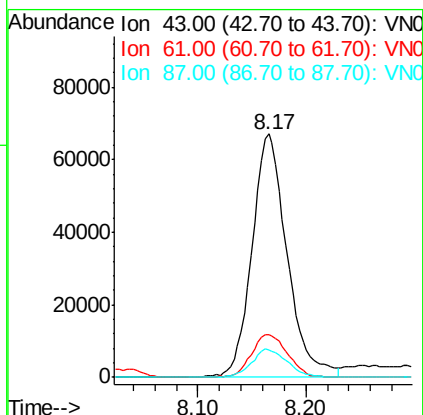
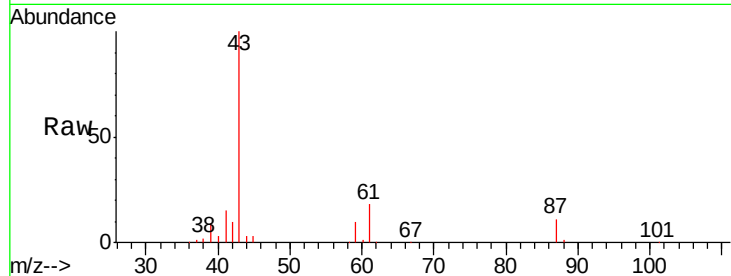
ClientSampleId :

TR-04-103018-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 151456 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.1  | 15.4  | 23.0   |
| 87       | 11.9  | 9.8   | 14.8   |

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#50

Toluene-d8

Concen: N.D. ug/l

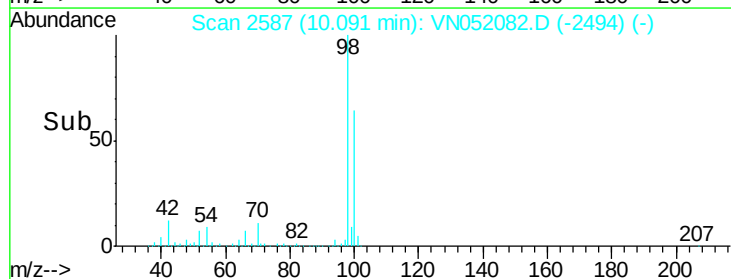
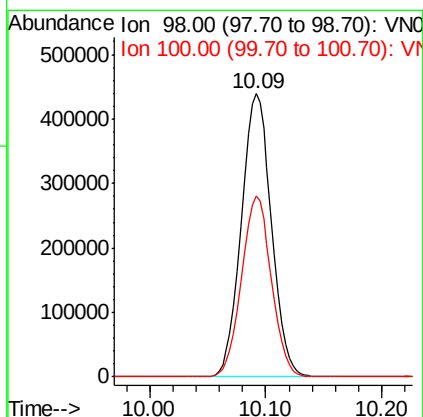
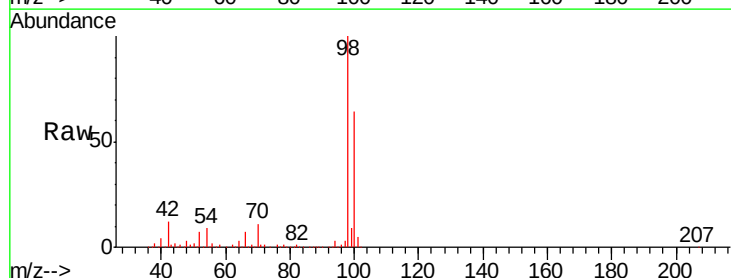
RT: 10.09 min Scan# 2587

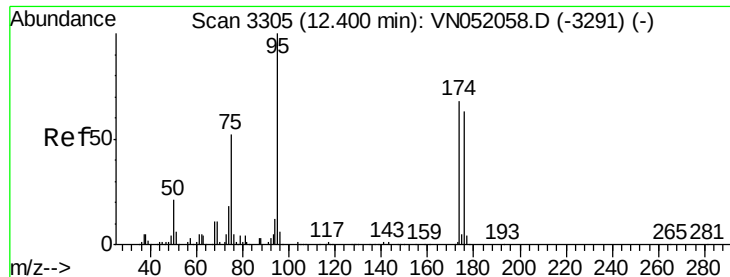
Delta R.T. 0.00 min

Lab File: VN052082.D

Acq: 31 Oct 2018 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 792779 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 63.2  | 51.4  | 77.2   |





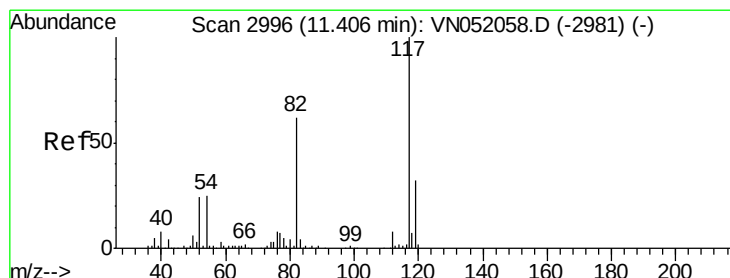
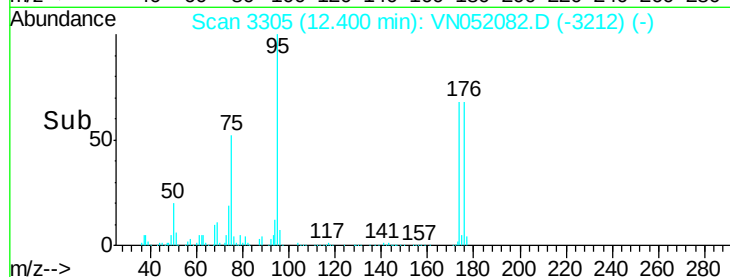
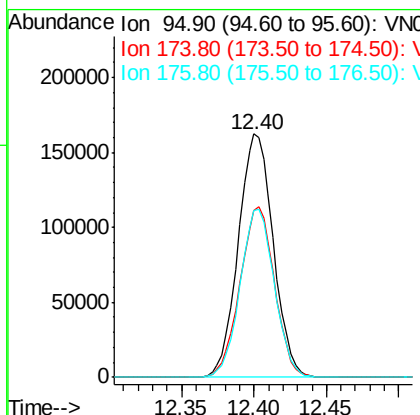
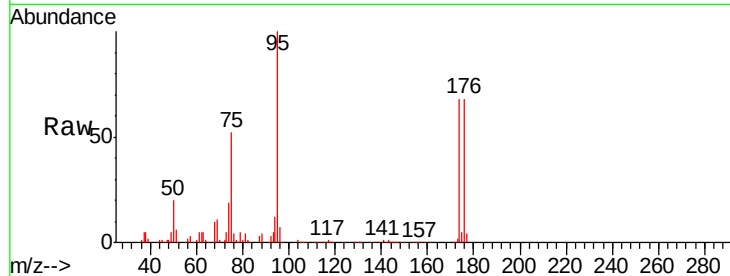
#62  
4-Bromofluorobenzene  
Concen: Below ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052082.D  
Acq: 31 Oct 2018 18:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-04-103018-B

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 271905 |       |       |
| 174     | 69.1  | 0.0    | 131.8 |       |
| 176     | 67.7  | 0.0    | 126.0 |       |

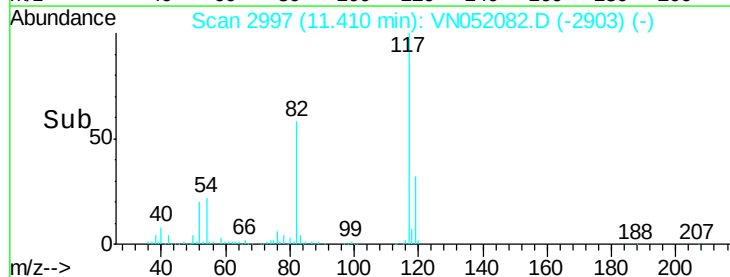
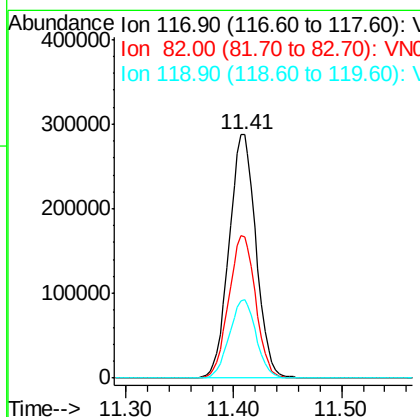
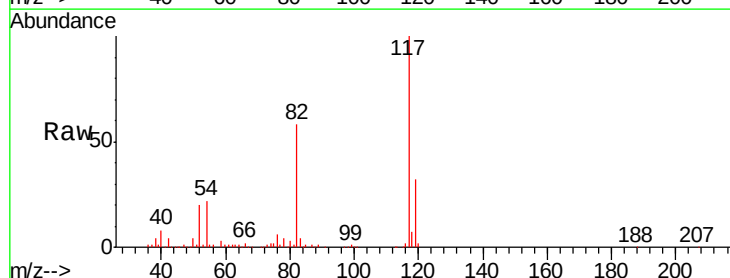
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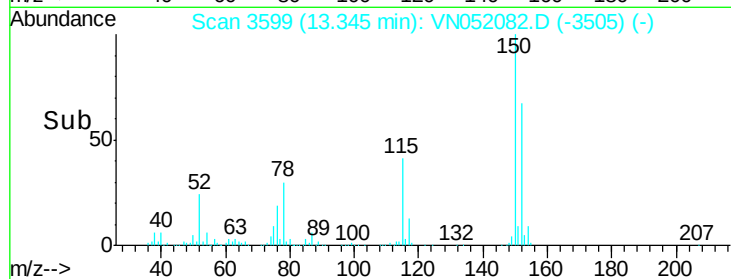
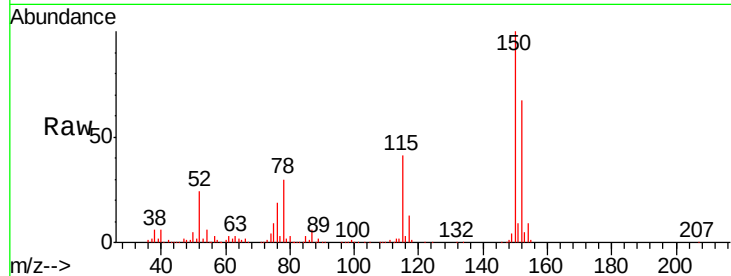
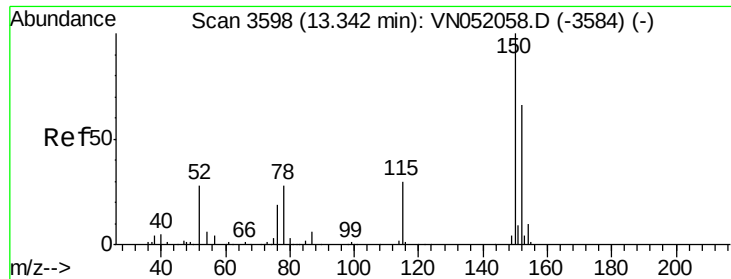
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#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052082.D  
Acq: 31 Oct 2018 18:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 499744 |       |       |
| 82      | 58.1  | 49.9   | 74.9  |       |
| 119     | 32.3  | 25.7   | 38.5  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052082.D

Acq: 31 Oct 2018 18:59

Instrument :

MSVOA\_N

ClientSampleId :

TR-04-103018-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 200144 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 63.5  | 31.6  | 95.0   |
| 150       | 156.6 | 0.0   | 345.0  |

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