

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\  
 Data File : VN057138.D  
 Acq On : 9 Aug 2019 11:47  
 Operator : JC/SP  
 Sample : K4262-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB\_080719

Manual Integrations  
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 8/12/2019 3:32:06 PM

Quant Time: Aug 10 07:23:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 1443076  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.01  | 114  | 2002639  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.90 | 117  | 1635412  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.87 | 152  | 379108   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 671886   | 45.27 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.54% |          |
| 35) Dibromofluoromethane    | 6.99  | 113  | 607873   | 48.37 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.74% |          |
| 50) Toluene-d8              | 9.56  | 98   | 2313212  | 48.11 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.22% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 593266   | 38.30 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 76.60% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.49  | 43   | 11122    | 2.481 | ug/l   | 95       |
| 18) Methyl Acetate          | 3.90  | 43   | 17926    | 0.694 | ug/l   | 96       |
| 20) Methylene Chloride      | 4.09  | 84   | 8416m    | 0.569 | ug/l   |          |

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

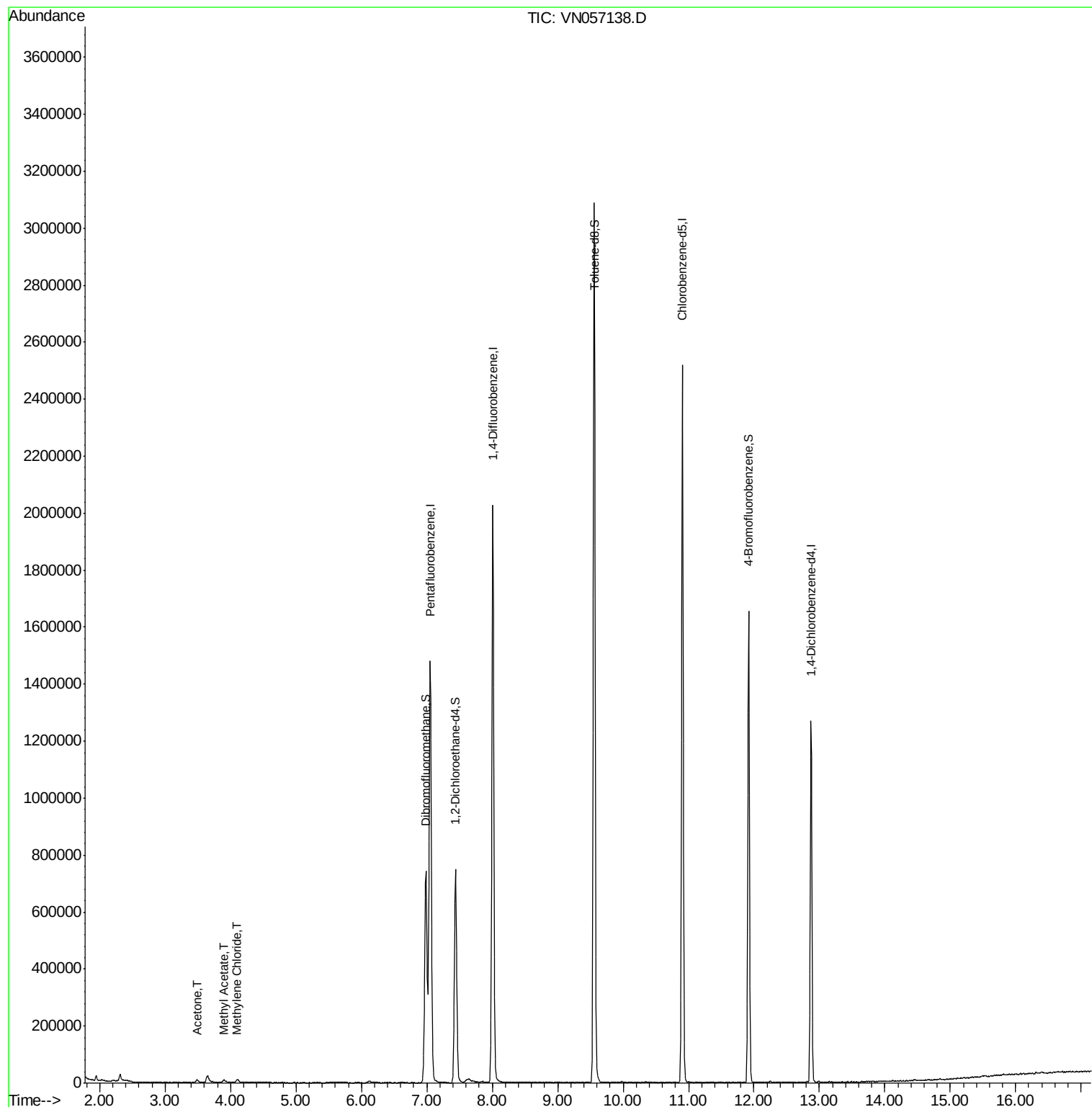
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080919\  
Data File : VN057138.D  
Acq On : 9 Aug 2019 11:47  
Operator : JC/SP  
Sample : K4262-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

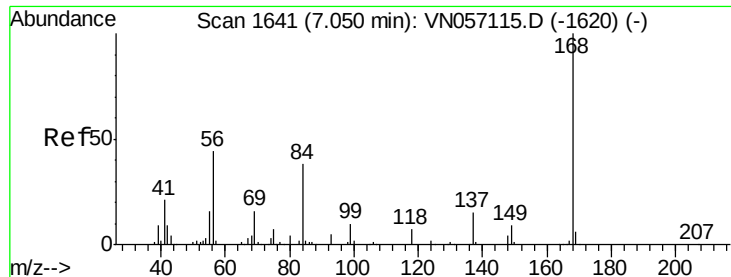
Instrument :  
MSVOA\_N  
ClientSampleId :  
FB\_080719

Manual Integrations  
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Quant Time: Aug 10 07:23:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057138.D

Acq: 9 Aug 2019 11:47

Instrument :

MSVOA\_N

ClientSampled :

FB\_080719

Tot Ion:168 Resp: 1443076

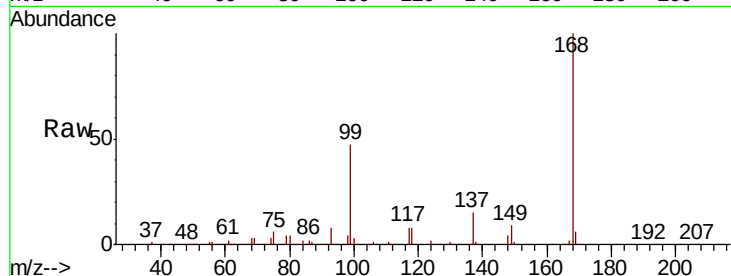
Ion Ratio Lower Upper

168 100

99 47.2 38.6 57.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

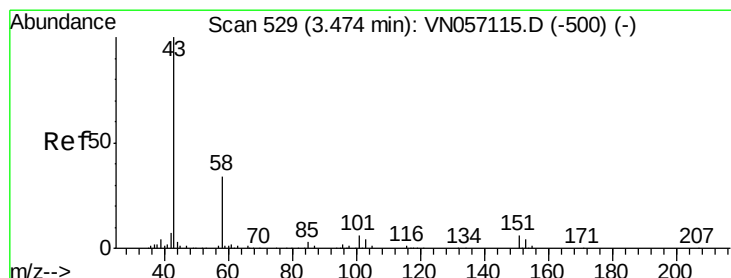
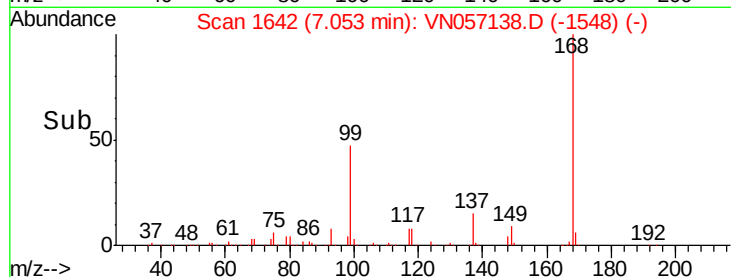
600000

400000

200000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 2.481 ug/l

RT: 3.49 min Scan# 533

Delta R.T. 0.01 min

Lab File: VN057138.D

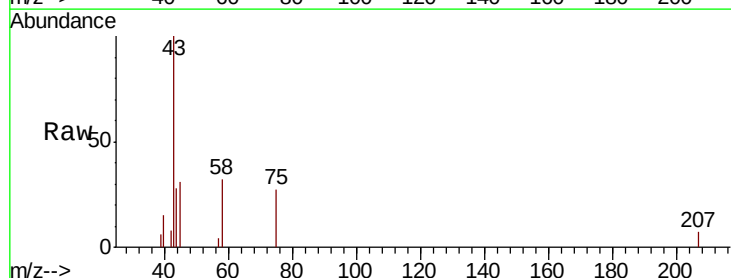
Acq: 9 Aug 2019 11:47

Tgt Ion: 43 Resp: 11122

Ion Ratio Lower Upper

43 100

58 31.6 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.49

5000

4000

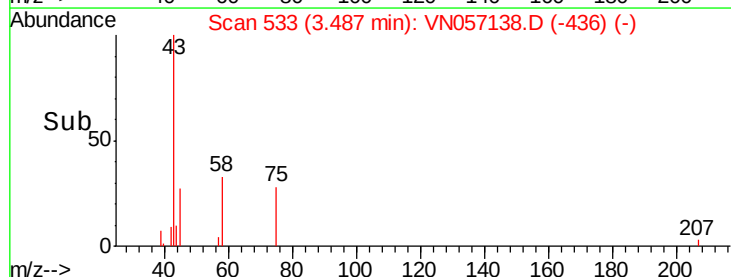
3000

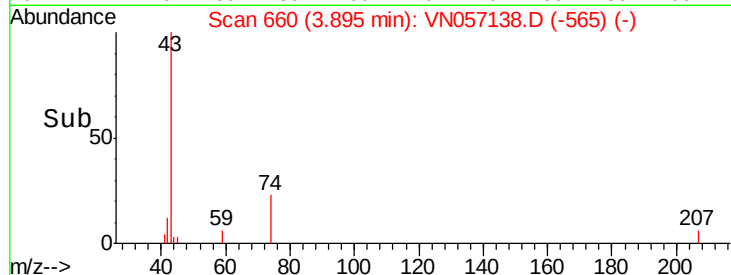
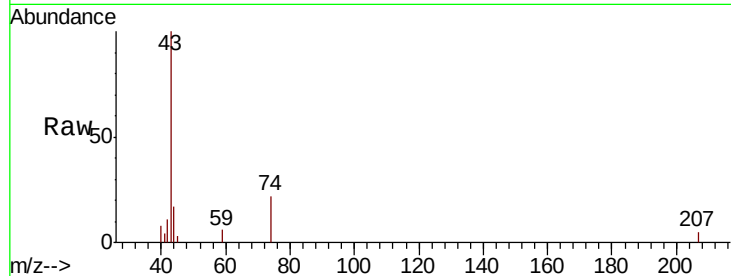
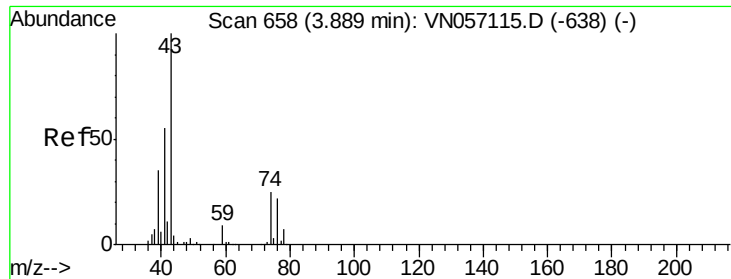
2000

1000

0

Time--> 3.45 3.50





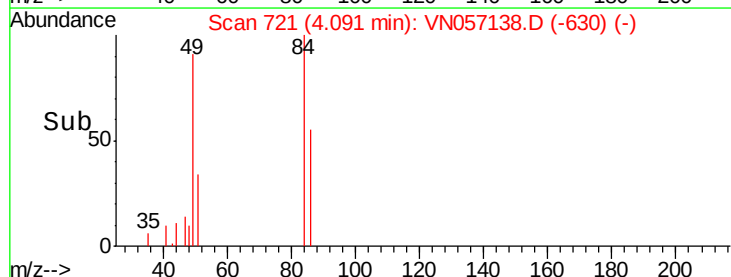
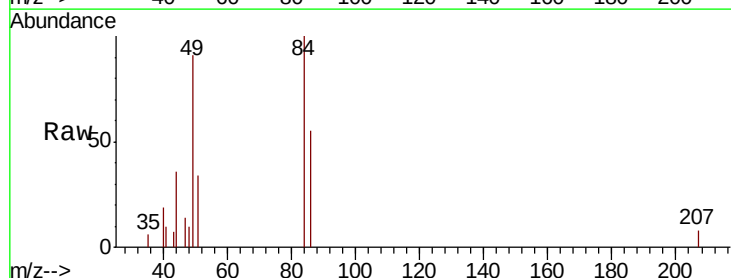
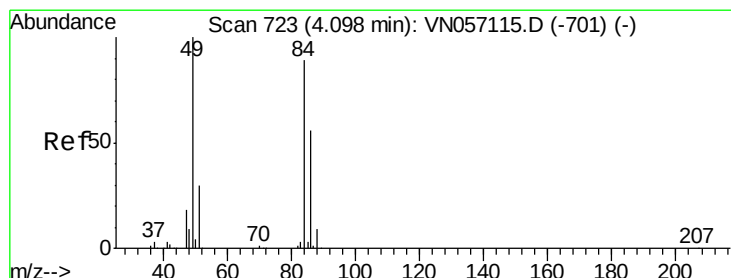
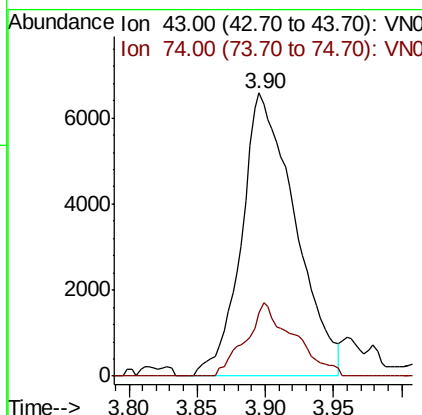
#18  
Methyl Acetate  
Concen: 0.694 ug/l  
RT: 3.90 min Scan# 660  
Delta R.T. 0.01 min  
Lab File: VN057138.D  
Acq: 9 Aug 2019 11:47

Tot Ion: 43 Resp: 17926  
Ion Ratio Lower Upper  
43 100  
74 23.3 20.2 30.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
FB\_080719

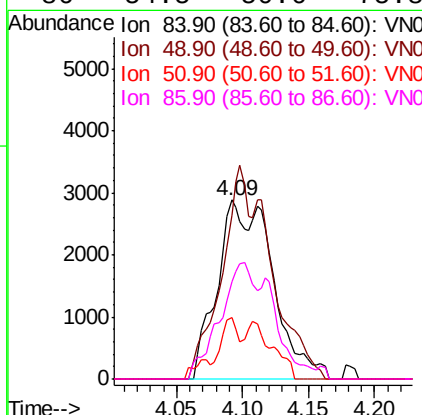
Manual Integrations  
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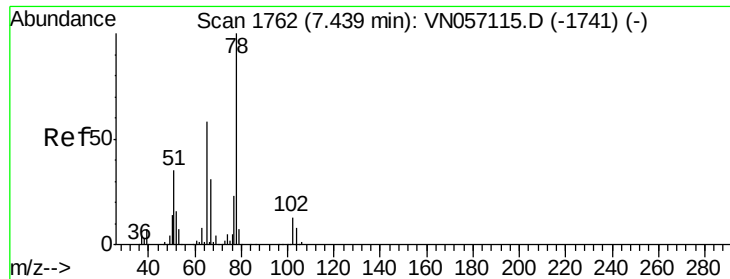
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#20  
Methylene Chloride  
Concen: 0.569 ug/l m  
RT: 4.09 min Scan# 721  
Delta R.T. -0.01 min  
Lab File: VN057138.D  
Acq: 9 Aug 2019 11:47

Tgt Ion: 84 Resp: 8416  
Ion Ratio Lower Upper  
84 100  
49 91.2 89.5 134.3  
51 34.5 27.2 40.8  
86 54.5 50.6 75.8





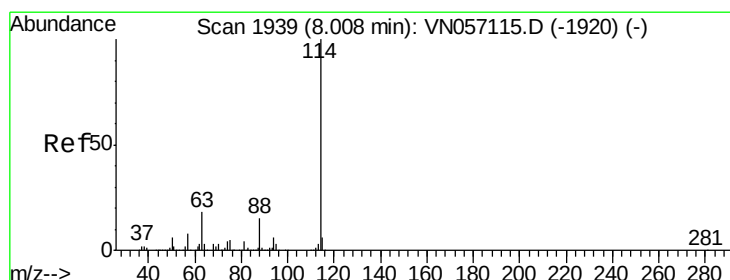
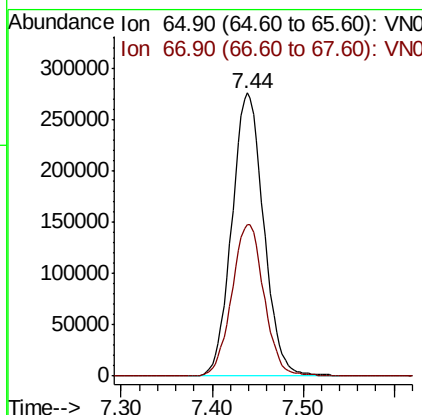
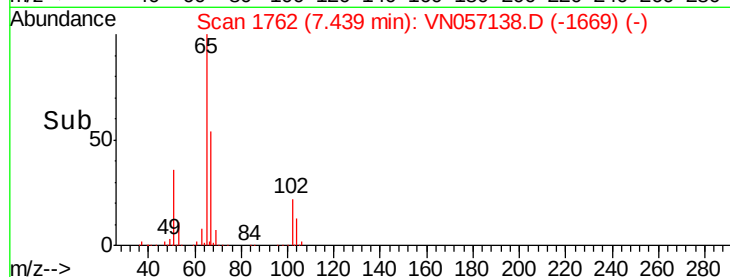
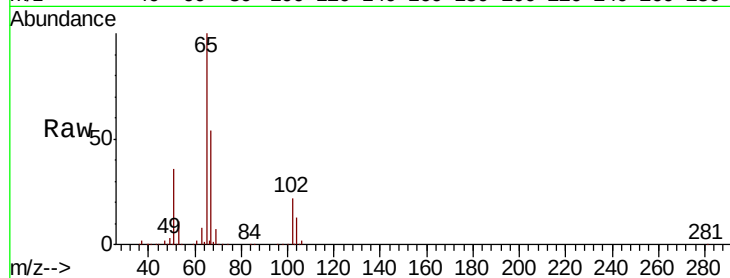
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.272 ug/l  
 RT: 7.44 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: VN057138.D  
 Acq: 9 Aug 2019 11:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB\_080719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.4  | 0.0   | 108.2 |

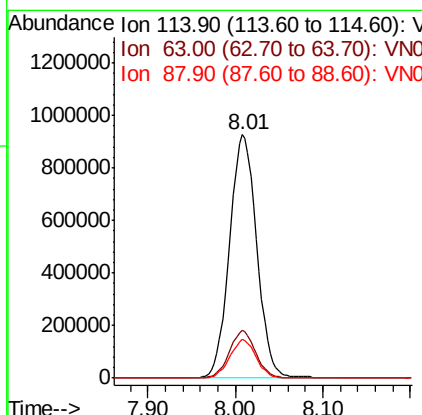
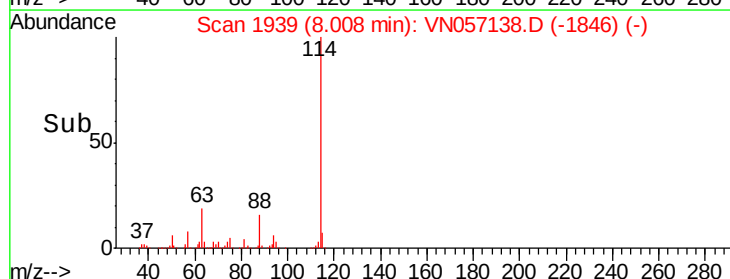
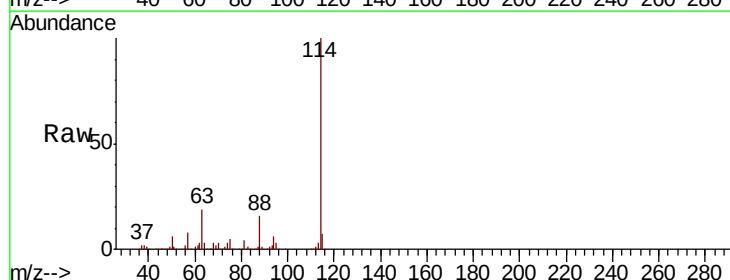
Manual Integrations  
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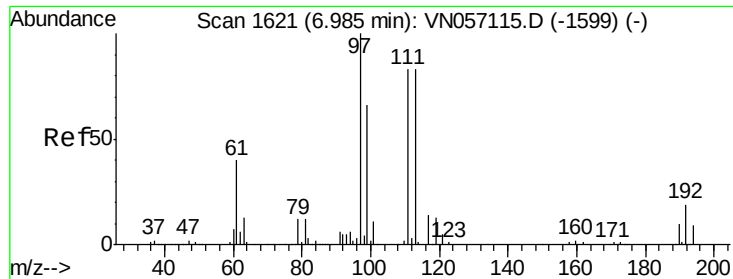
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: VN057138.D  
 Acq: 9 Aug 2019 11:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.4  | 0.0   | 36.2  |
| 88      | 15.8  | 0.0   | 30.0  |





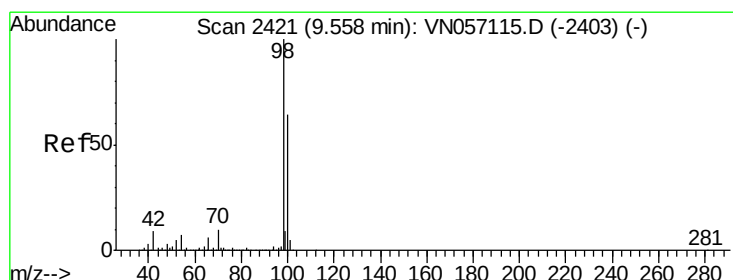
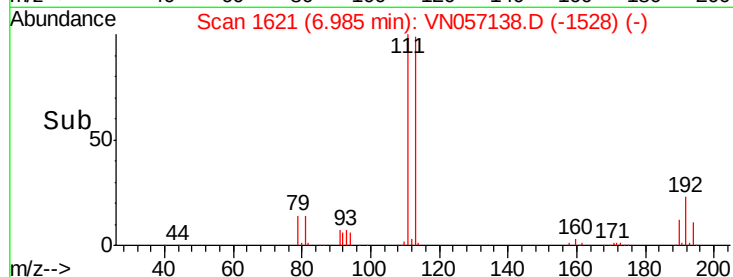
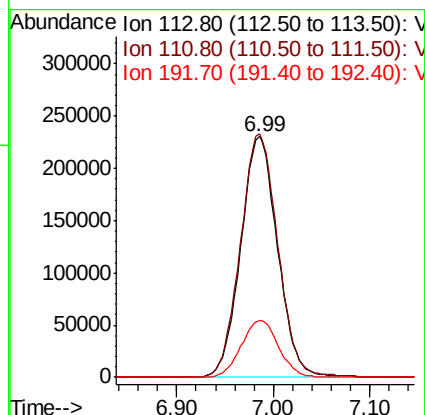
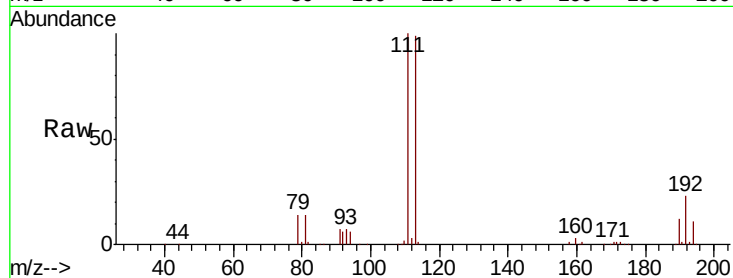
#35  
 Dibromofluoromethane  
 Concen: 48.371 ug/l  
 RT: 6.99 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VN057138.D  
 Acq: 9 Aug 2019 11:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB\_080719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 607873 |       |       |
| 111     | 103.2 | 81.3   | 121.9 |       |
| 192     | 24.1  | 19.0   | 28.4  |       |

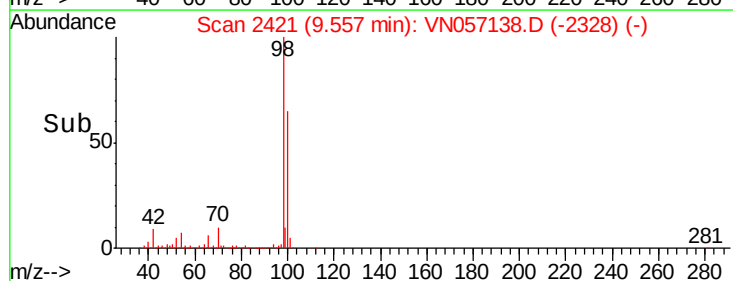
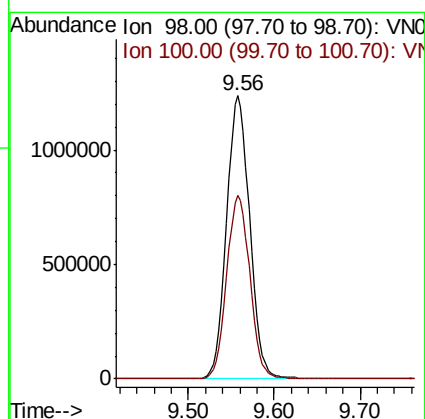
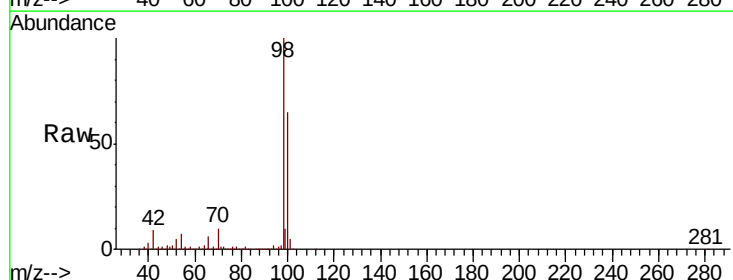
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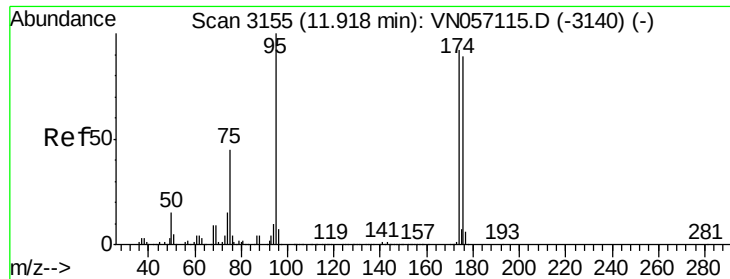
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#50  
 Toluene-d8  
 Concen: 48.113 ug/l  
 RT: 9.56 min Scan# 2421  
 Delta R.T. -0.00 min  
 Lab File: VN057138.D  
 Acq: 9 Aug 2019 11:47

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 98      | 100   | 2313212 |       |       |
| 100     | 65.1  | 51.2    | 76.8  |       |





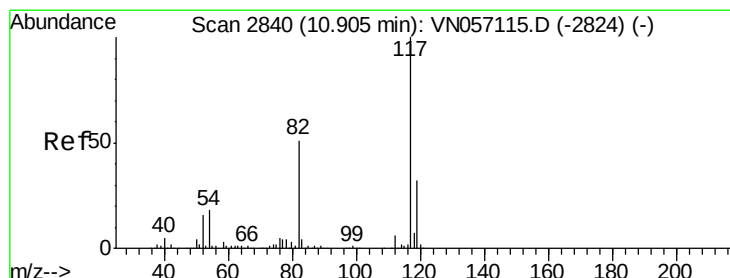
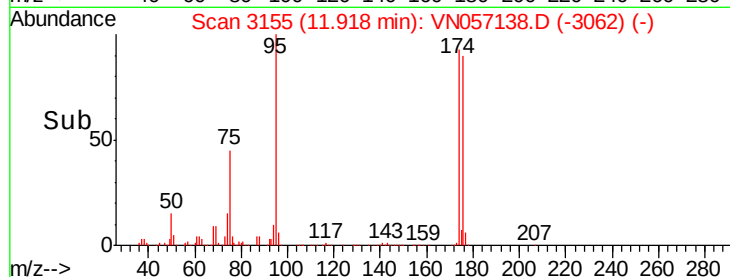
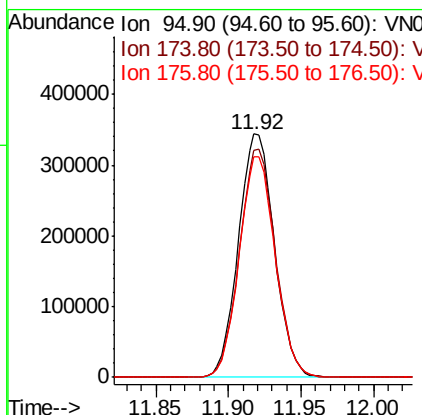
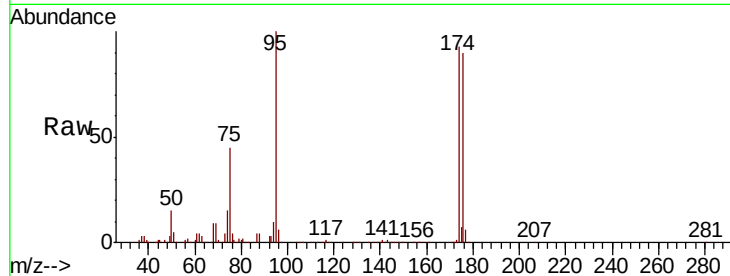
#62  
4-Bromofluorobenzene  
Concen: 38.297 ug/l  
RT: 11.92 min Scan# 3155  
Delta R.T. -0.00 min  
Lab File: VN057138.D  
Acq: 9 Aug 2019 11:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
FB\_080719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 593266 |       |       |
| 174     | 93.7  | 0.0    | 185.0 |       |
| 176     | 90.9  | 0.0    | 181.2 |       |

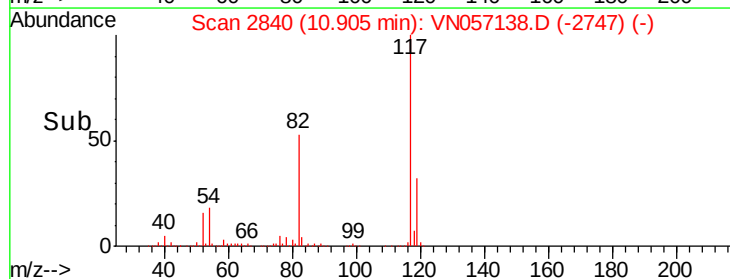
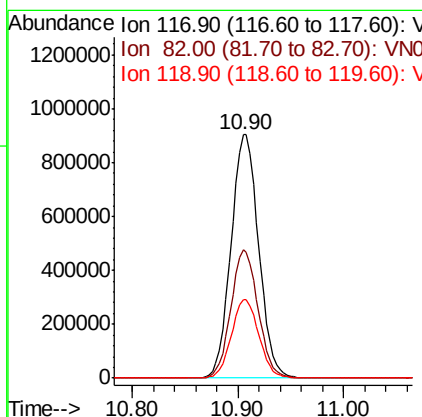
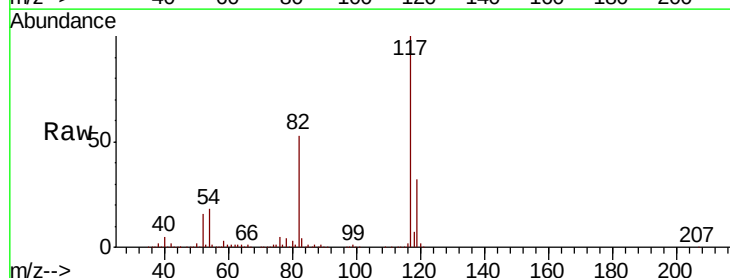
Manual Integrations  
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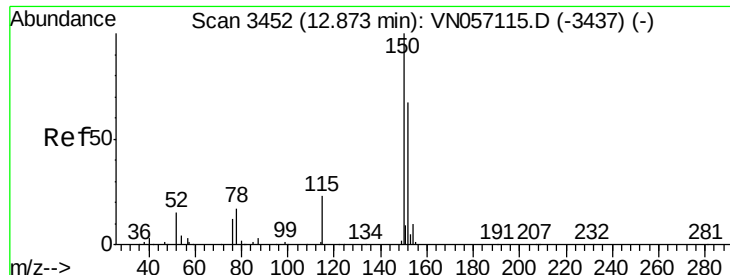
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.90 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VN057138.D  
Acq: 9 Aug 2019 11:47

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 117     | 100   | 1635412 |       |       |
| 82      | 52.7  | 40.8    | 61.2  |       |
| 119     | 32.3  | 25.7    | 38.5  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057138.D

Acq: 9 Aug 2019 11:47

Instrument :

MSVOA\_N

ClientSampleId :

FB\_080719

Tot Ion:152 Resp: 379108

Ion Ratio Lower Upper

152 100

115 56.3 27.5 82.5

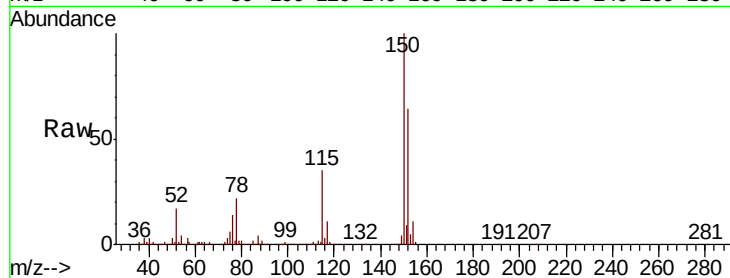
150 157.5 0.0 341.6

Manual Integrations

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Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

