

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
 Data File : VN049836.D  
 Acq On : 14 Jul 2018 8:57  
 Operator : MD\SY  
 Sample : J3980-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-E-MH-S

Manual Integrations  
 APPROVED

MMDadoda  
 7/16/2018 11:02:51 AM

Quant Time: Jul 16 06:45:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 12 15:51:38 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1181366  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1915228  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1628682  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 621030   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 830493   | 60.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 120.86% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 727972   | 50.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.86% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2567248  | 51.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.90% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 717294   | 40.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 81.28%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 8) Diethyl Ether            | 3.41  | 74   | 16125    | 2.01  | ug/l    | 95       |
| 16) Acetone                 | 3.82  | 43   | 30865    | 7.11  | ug/l    | 95       |
| 18) Methyl Acetate          | 4.34  | 43   | 47907    | 3.49  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.55  | 84   | 978624   | 69.78 | ug/l    | 98       |
| 30) Chloroform              | 7.37  | 83   | 29532    | 1.07  | ug/l    | 92       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 414437   | 17.65 | ug/l    | 97       |
| 59) 2-Hexanone              | 10.77 | 43   | 32916    | 3.88  | ug/l #  | 58       |
| 95) Naphthalene             | 15.14 | 128  | 63247    | 6.14  | ug/l    | 98       |

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

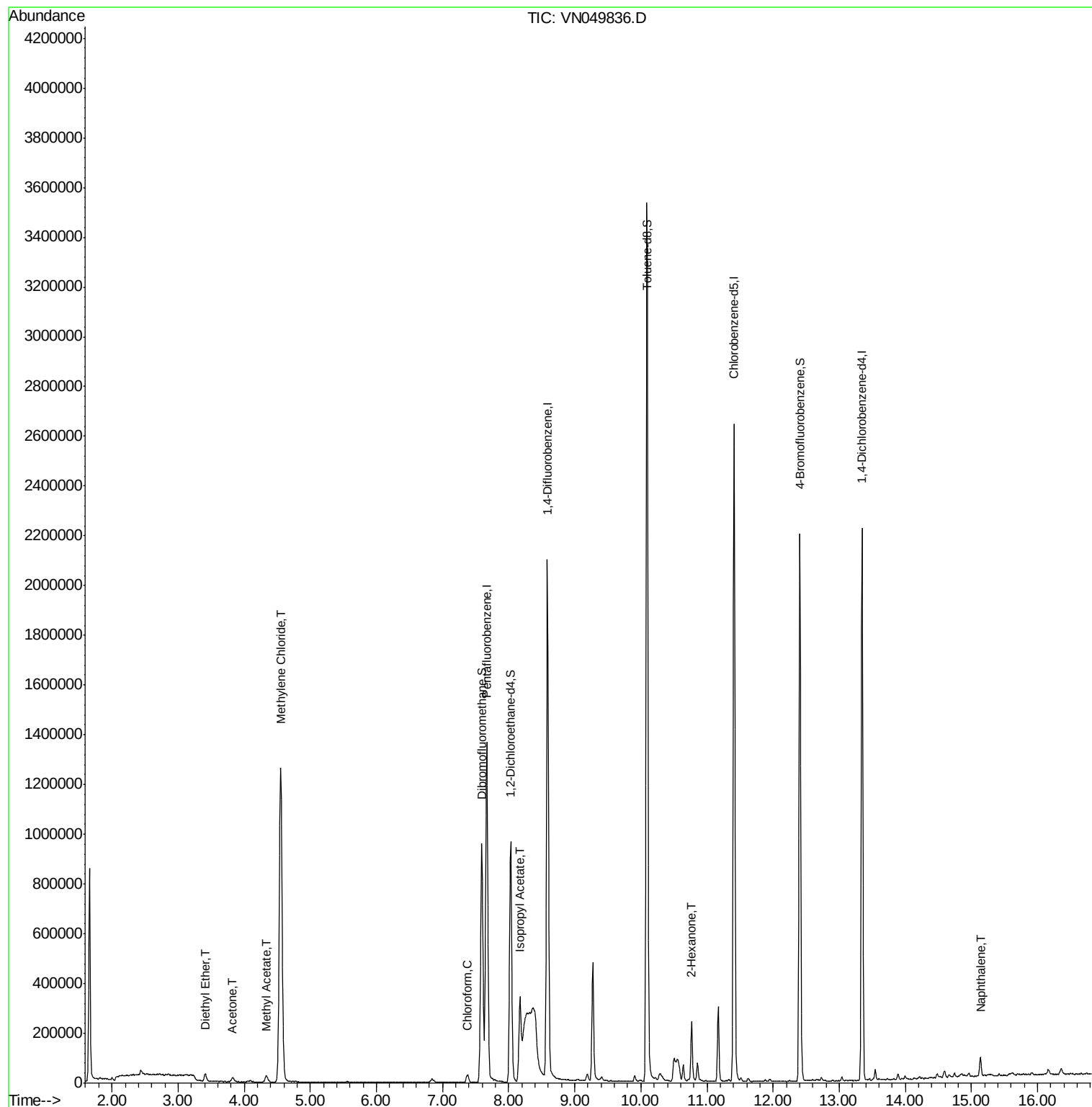
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
Data File : VN049836.D  
Acq On : 14 Jul 2018 8:57  
Operator : MD\SY  
Sample : J3980-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 52 Sample Multiplier: 1

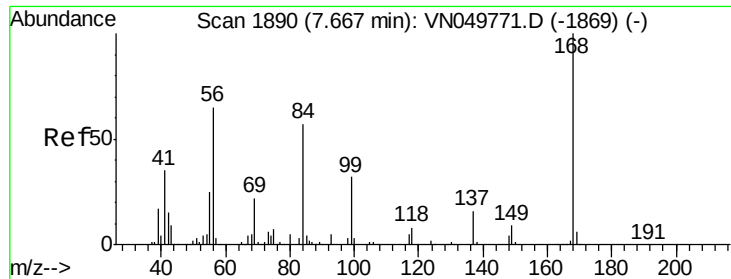
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-E-MH-S

Manual Integrations  
APPROVED

MMDadoda  
7/16/2018 11:02:51 AM

Quant Time: Jul 16 06:45:45 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 12 15:51:38 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049836.D

Acq: 14 Jul 2018 8:57

Instrument :

MSVOA\_N

ClientSampled :

TP-E-MH-S

Tot Ion:168 Resp: 1181366

Ion Ratio Lower Upper

168 100

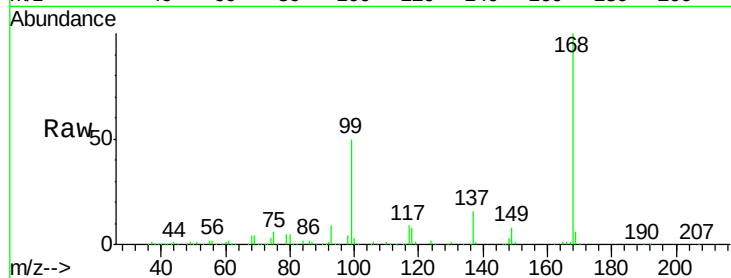
99 50.1 40.6 61.0

Manual Integrations

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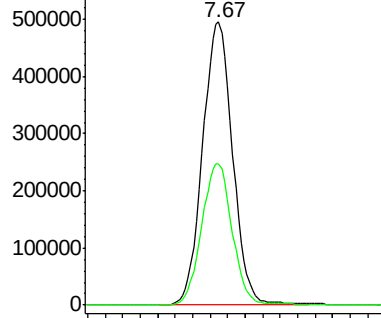
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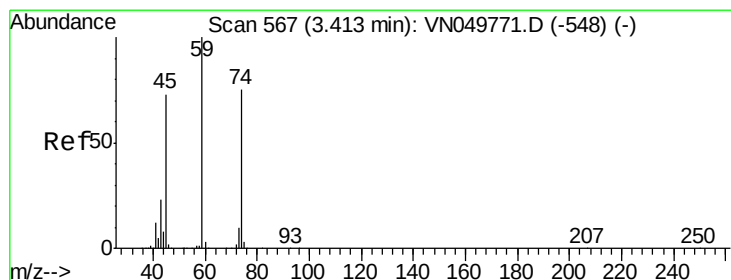
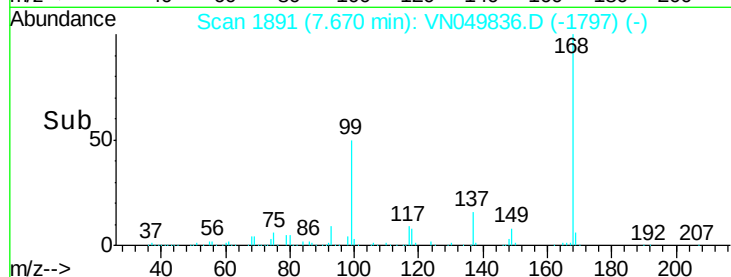


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



Time-->



#8

Diethyl Ether

Concen: 2.01 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN049836.D

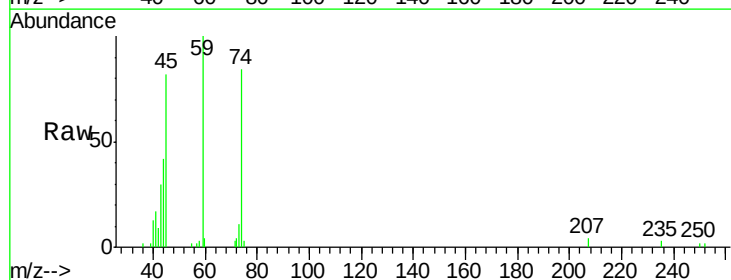
Acq: 14 Jul 2018 8:57

Tgt Ion: 74 Resp: 16125

Ion Ratio Lower Upper

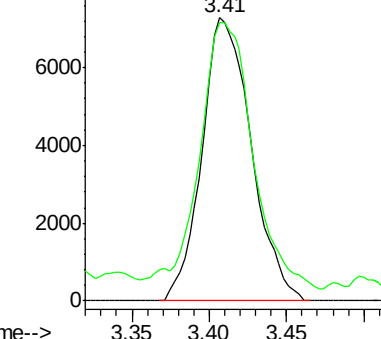
74 100

45 101.6 48.4 145.2

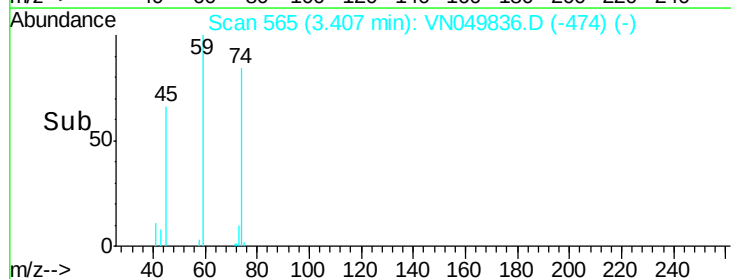


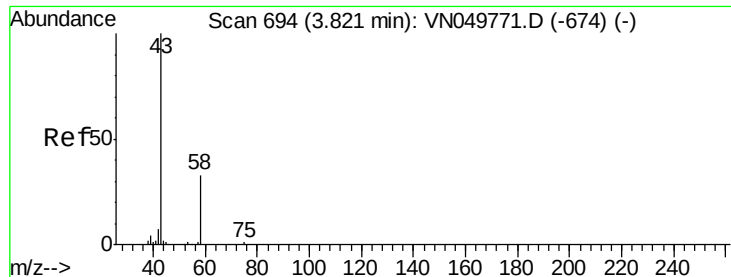
Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN



Time-->





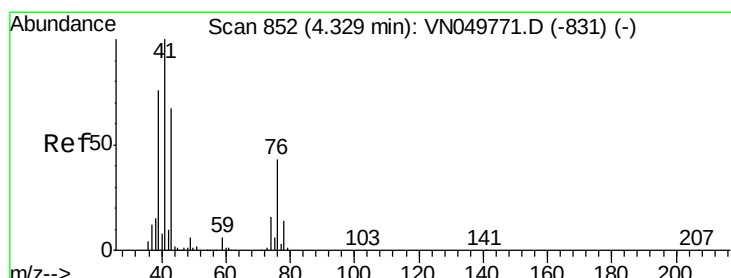
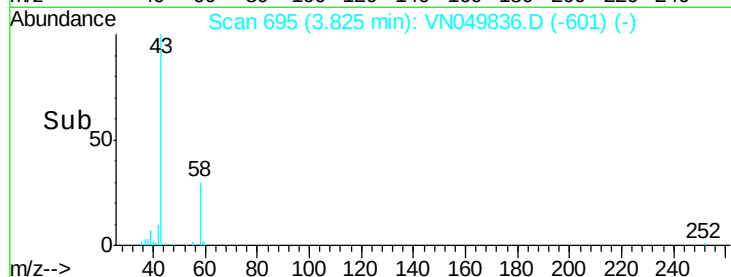
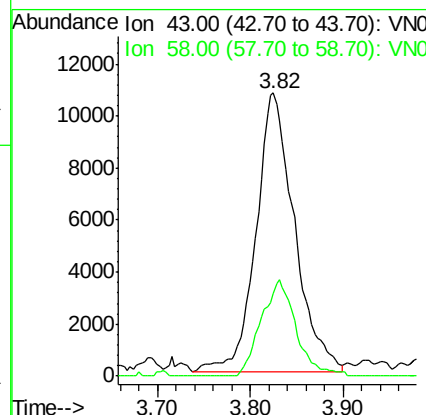
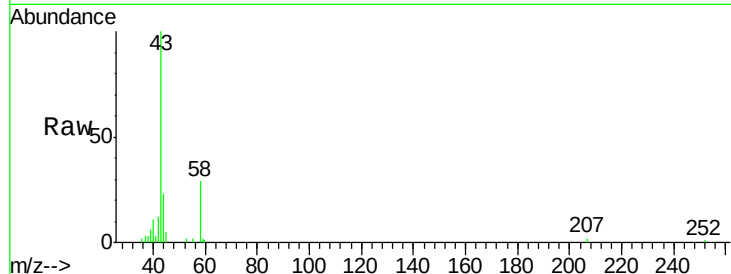
#16  
Acetone  
Concen: 7.11 ug/l  
RT: 3.82 min Scan# 695  
Delta R.T. 0.00 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-E-MH-S

Tot Ion: 43 Resp: 30865  
Ion Ratio Lower Upper  
43 100  
58 29.4 25.9 38.9

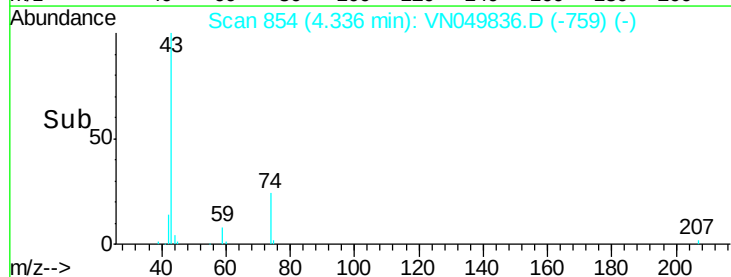
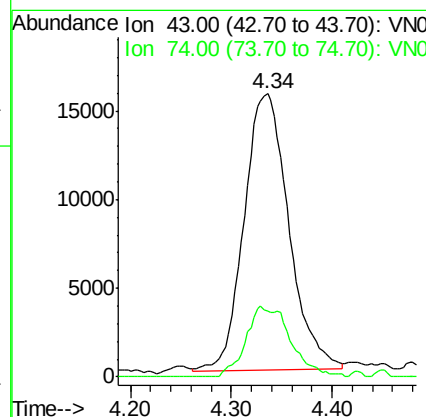
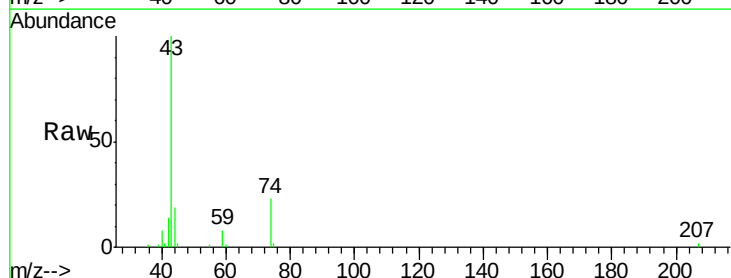
Manual Integrations  
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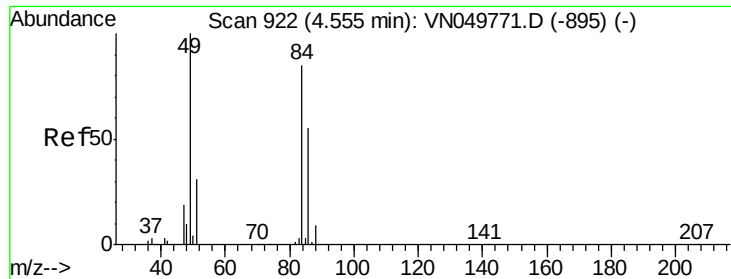
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#18  
Methyl Acetate  
Concen: 3.49 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

Tgt Ion: 43 Resp: 47907  
Ion Ratio Lower Upper  
43 100  
74 25.3 19.8 29.8





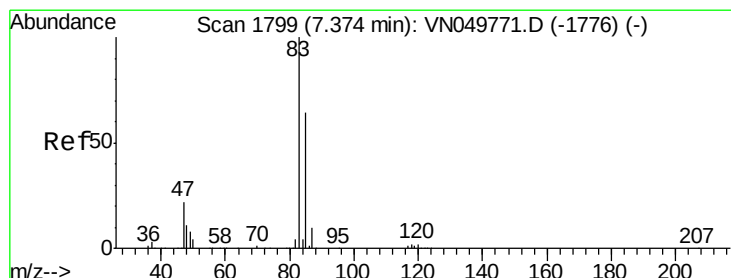
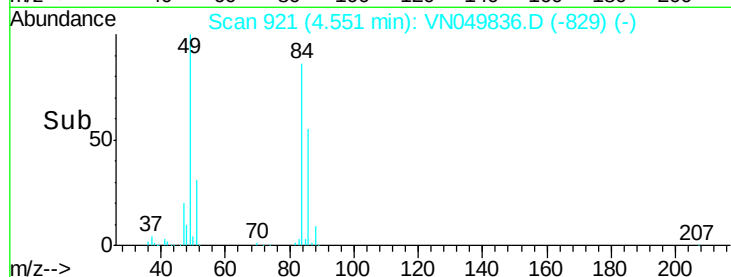
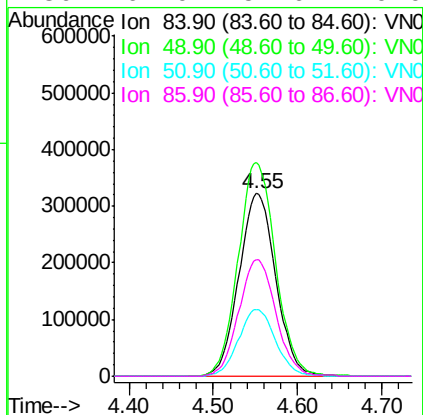
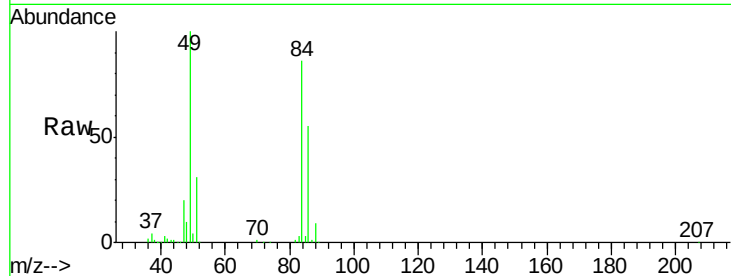
#20  
Methvlene Chloride  
Concen: 69.78 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-E-MH-S

| Tot Ion   | 84    | Resp  | 978624 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 84        | 100   |       |        |
| 49        | 116.8 | 95.4  | 143.2  |
| 51        | 36.6  | 28.4  | 42.6   |
| 86        | 64.0  | 52.6  | 79.0   |

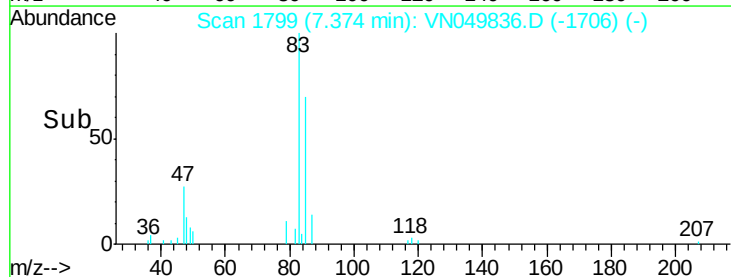
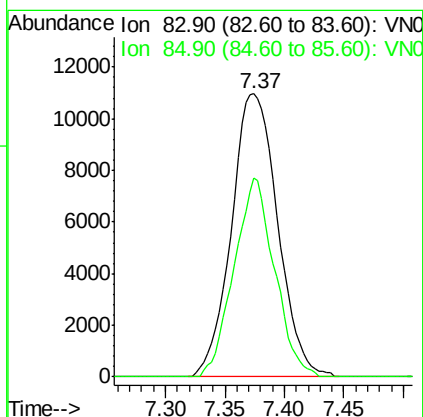
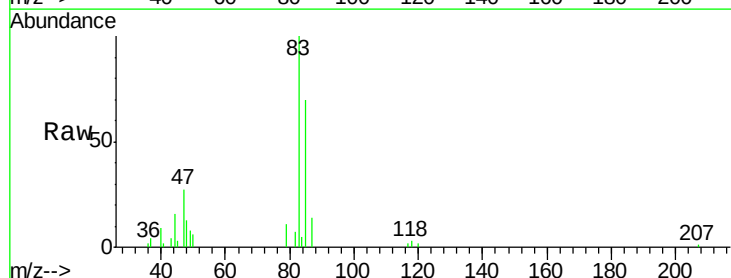
Manual Integrations  
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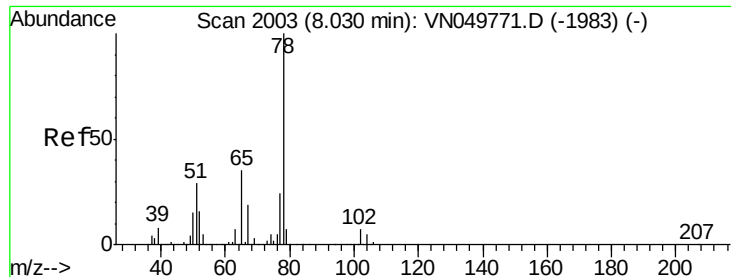
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#30  
Chloroform  
Concen: 1.07 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. -0.00 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

| Tgt Ion   | 83    | Resp  | 29532 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 70.5  | 51.4  | 77.2  |





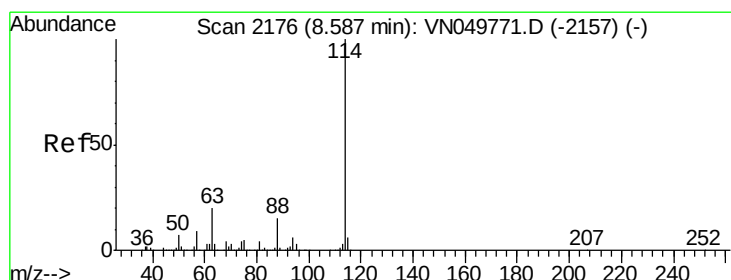
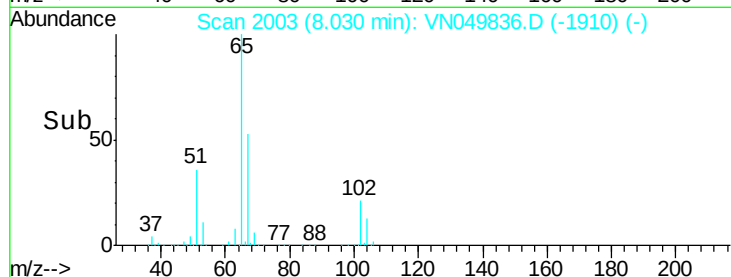
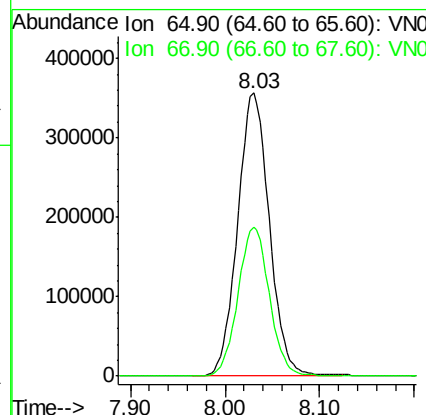
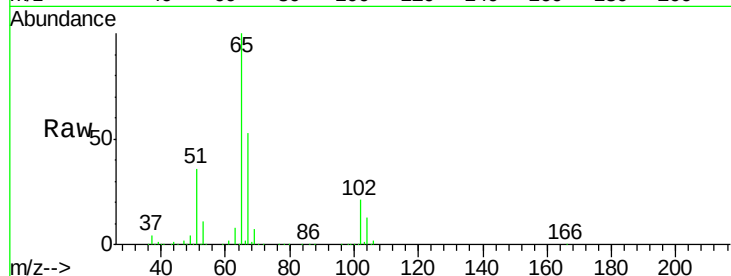
#33  
 1,2-Dichloroethane-d4  
 Concen: 60.43 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN049836.D  
 Acq: 14 Jul 2018 8:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-E-MH-S

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 830493 |       |       |
| 67      | 52.4  | 0.0    | 107.2 |       |

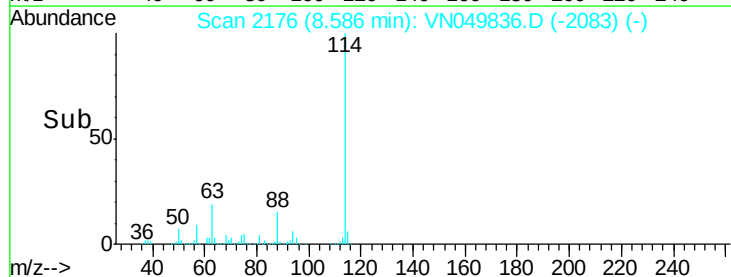
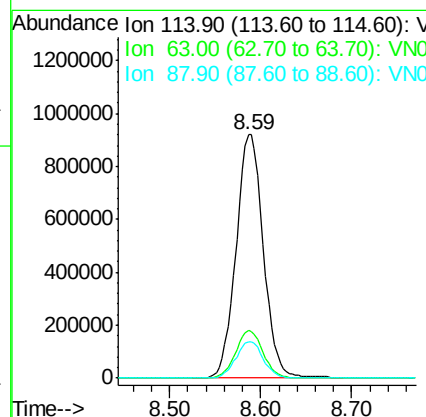
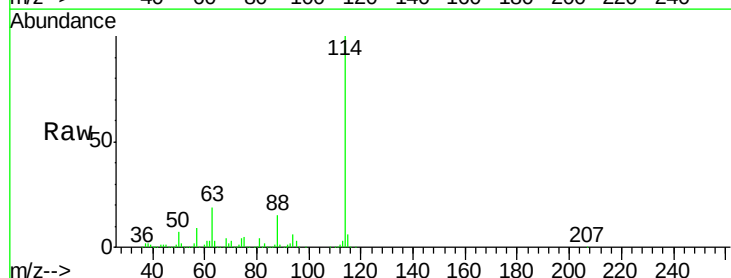
Manual Integrations  
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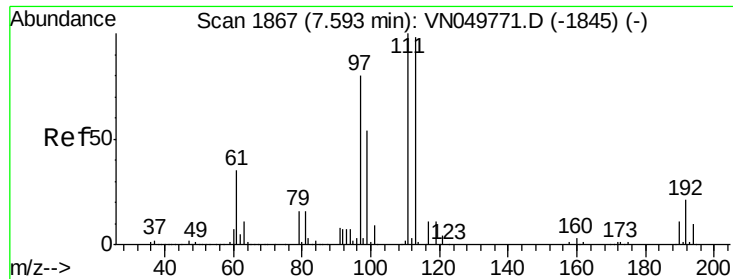
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN049836.D  
 Acq: 14 Jul 2018 8:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1915228 |       |       |
| 63      | 19.4  | 0.0     | 39.8  |       |
| 88      | 14.9  | 0.0     | 30.6  |       |





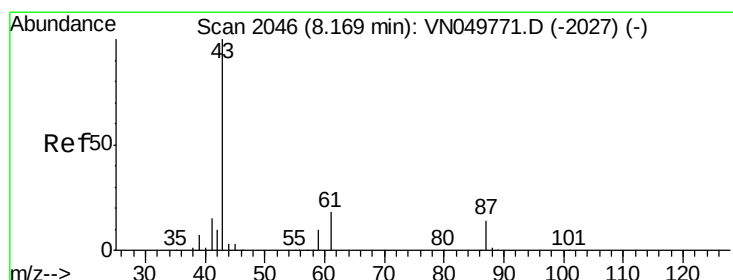
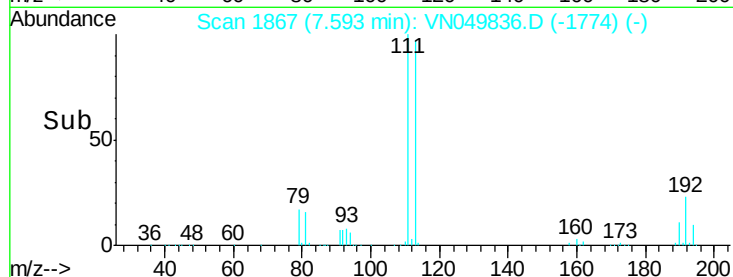
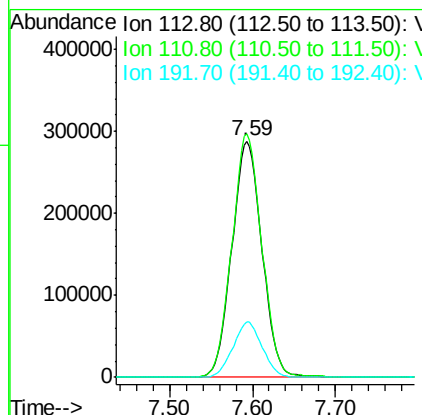
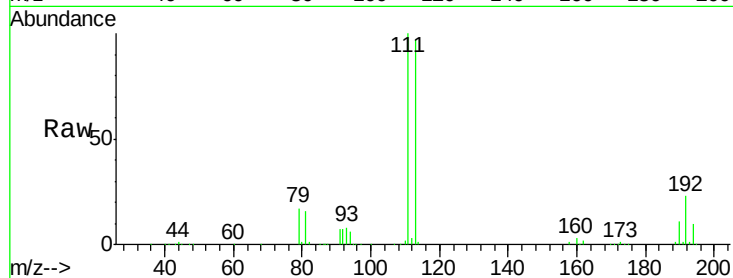
#35  
 Dibromofluoromethane  
 Concen: 50.43 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049836.D  
 Acq: 14 Jul 2018 8:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-E-MH-S

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 727972 |       |       |
| 111     | 102.6 | 81.8   | 122.8 |       |
| 192     | 22.7  | 17.8   | 26.6  |       |

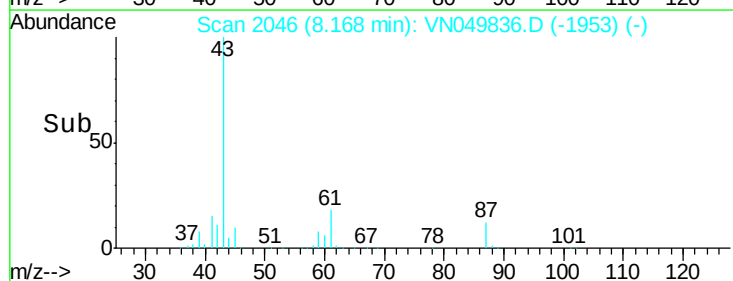
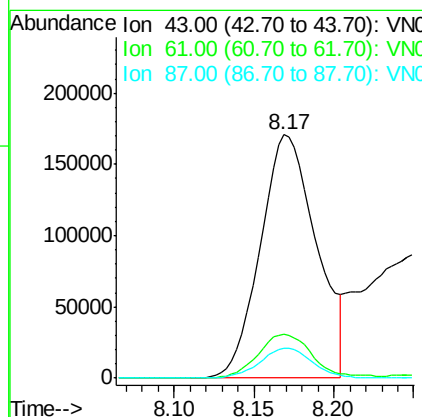
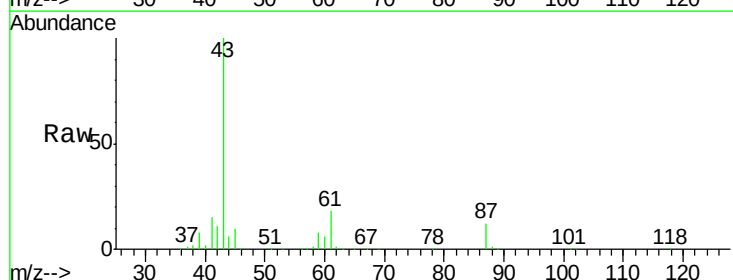
Manual Integrations  
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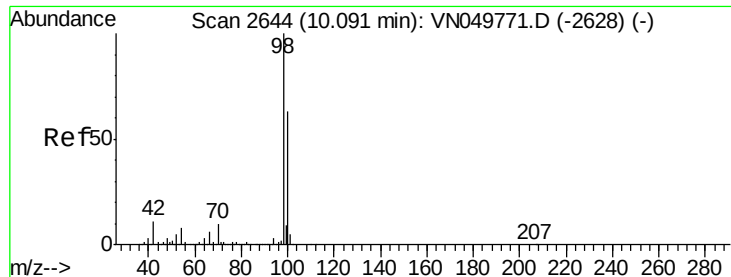
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#43  
 Isopropyl Acetate  
 Concen: 17.65 ug/l  
 RT: 8.17 min Scan# 2046  
 Delta R.T. -0.00 min  
 Lab File: VN049836.D  
 Acq: 14 Jul 2018 8:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 414437 |       |       |
| 61      | 17.6  | 14.9   | 22.3  |       |
| 87      | 11.3  | 10.0   | 15.0  |       |





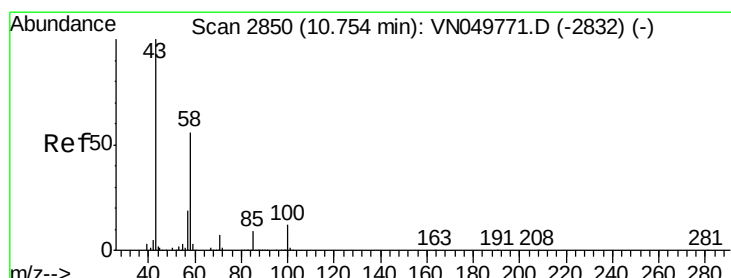
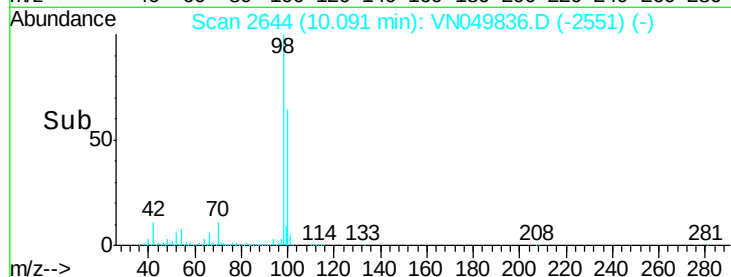
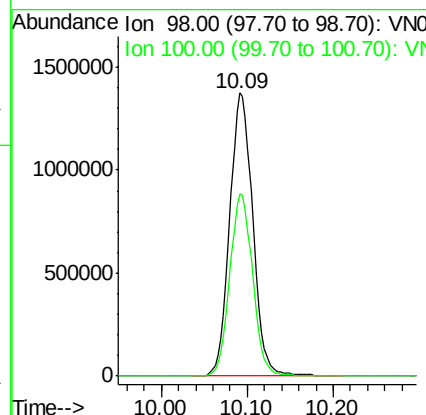
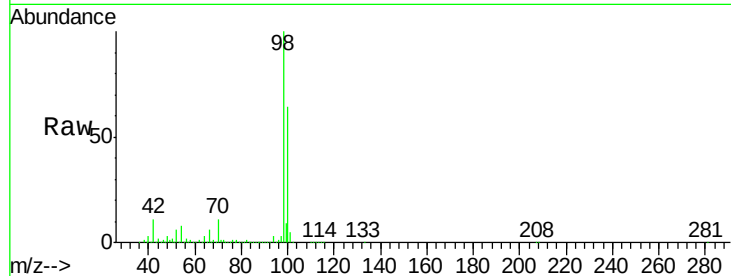
#50  
Toluene-d8  
Concen: 51.95 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-E-MH-S

Tot Ion: 98 Resp: 2567248  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.7 77.5

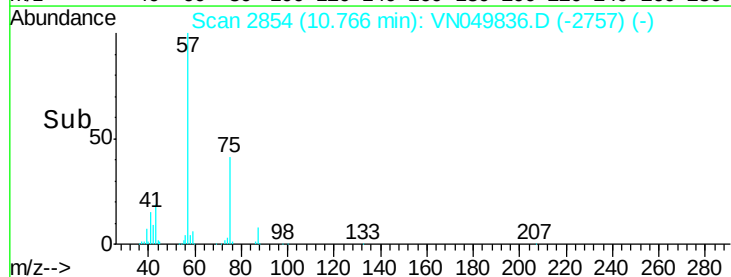
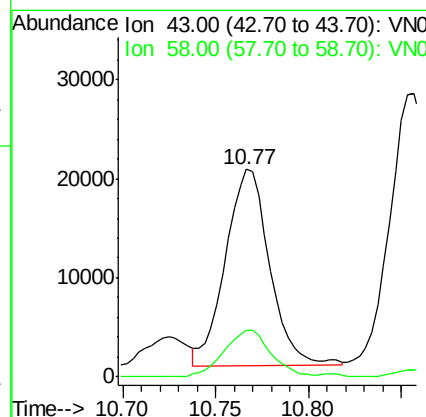
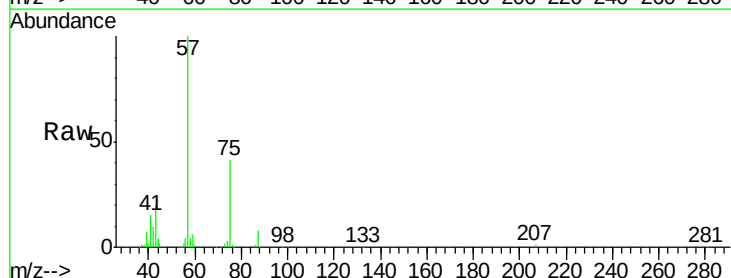
Manual Integrations  
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7/16/2018 11:02:51 AM

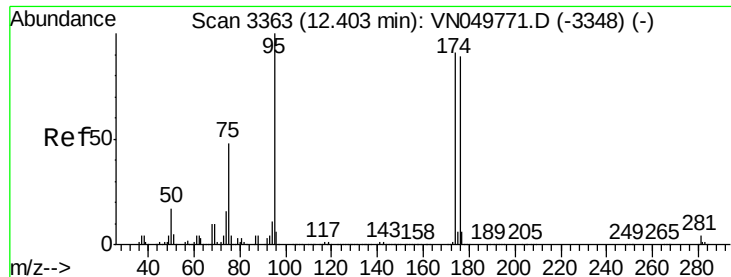


#59  
2-Hexanone  
Concen: 3.88 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

Tgt Ion: 43 Resp: 32916  
Ion Ratio Lower Upper  
43 100  
58 25.1 27.8 83.4#







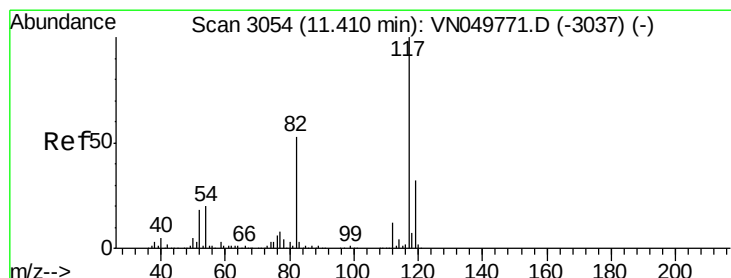
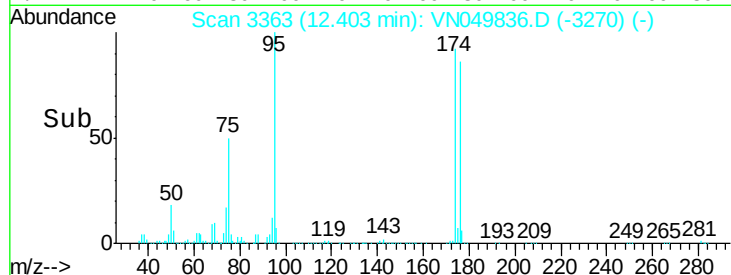
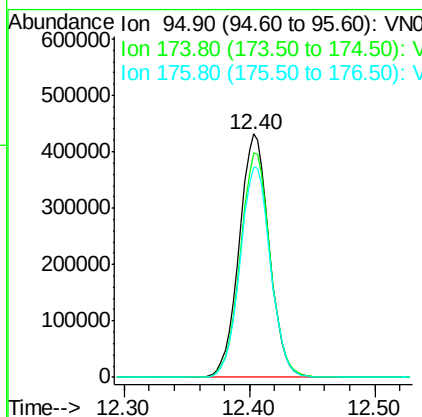
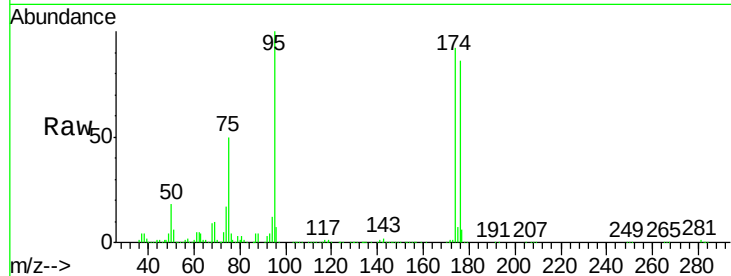
#62  
4-Bromofluorobenzene  
Concen: 40.64 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-E-MH-S

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 717294 |       |       |
| 174     | 92.6  | 0.0    | 179.6 |       |
| 176     | 87.5  | 0.0    | 174.0 |       |

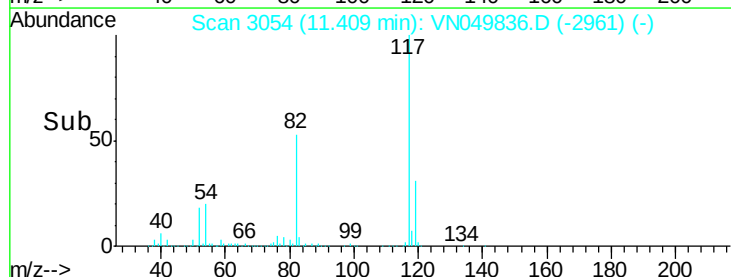
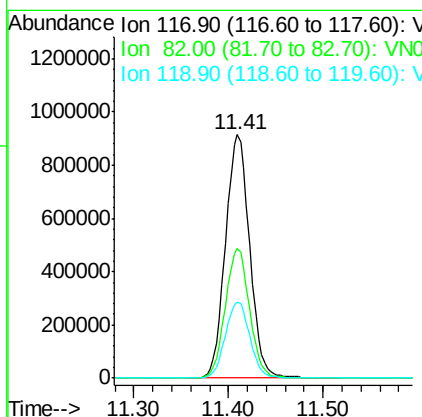
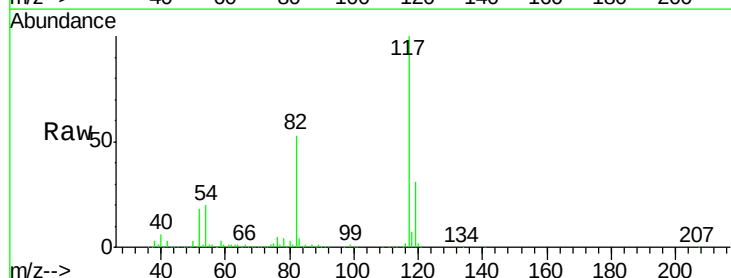
Manual Integrations  
APPROVED

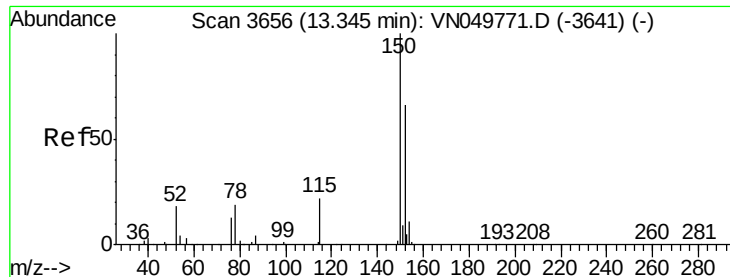
MMDadoda  
7/16/2018 11:02:51 AM



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049836.D  
Acq: 14 Jul 2018 8:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 117     | 100   | 1628682 |       |       |
| 82      | 53.4  | 41.9    | 62.9  |       |
| 119     | 31.4  | 25.4    | 38.2  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049836.D

Acq: 14 Jul 2018 8:57

Instrument :

MSVOA\_N

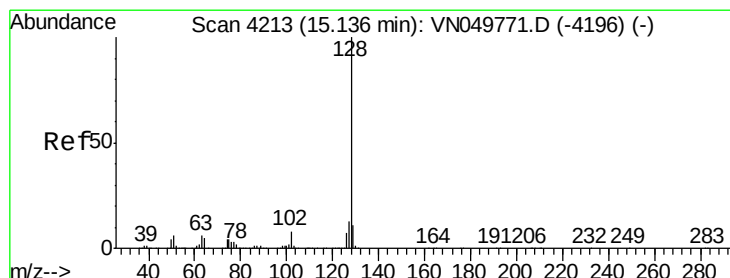
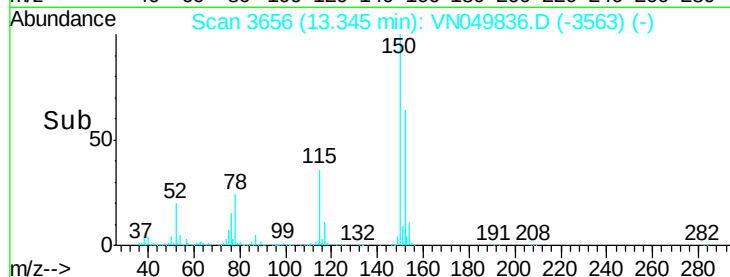
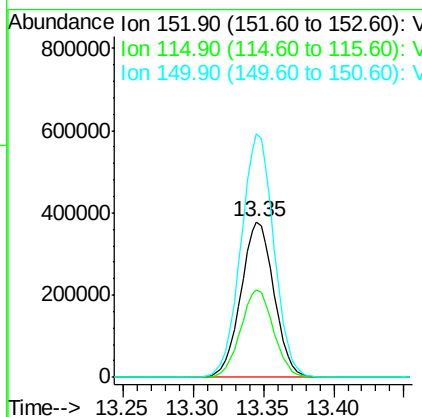
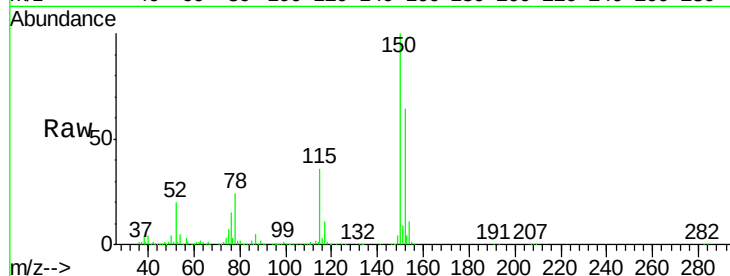
ClientSampled :

TP-E-MH-S

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 621030 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 55.7  | 28.1  | 84.2   |
| 150       | 156.0 | 0.0   | 347.6  |

Manual Integrations  
APPROVED

MMDadoda  
7/16/2018 11:02:51 AM



#95

Naphthalene

Concen: 6.14 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049836.D

Acq: 14 Jul 2018 8:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 63247 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.9  | 10.4  | 15.6  |
| 129       | 11.7  | 8.6   | 13.0  |

