

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\  
 Data File : VW007493.D  
 Acq On : 13 Dec 2018 17:20  
 Operator : SY/AP  
 Sample : J6329-02RE  
 Misc : 4.86G/6ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 072-DUP-1RE

Manual Integrations  
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MMDadoda  
 12/14/2018 11:24:38 AM

Quant Time: Dec 14 15:52:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 82081    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 141380   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 102727   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 64318    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 37096    | 40.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.48%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 34622    | 40.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.90%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 161659   | 50.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.76% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 161532   | 136.91 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 273.82% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 8072     | 50.749 | ug/l #  | 88       |
| 73) Isopropylbenzene        | 12.47 | 105  | 136254   | 27.647 | ug/l    | 100      |
| 78) n-propylbenzene         | 12.81 | 91   | 89499    | 16.137 | ug/l    | 91       |
| 85) sec-Butylbenzene        | 13.39 | 105  | 232229   | 46.623 | ug/l #  | 54       |
| 89) n-Butylbenzene          | 13.83 | 91   | 82287m   | 19.836 | ug/l    |          |

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

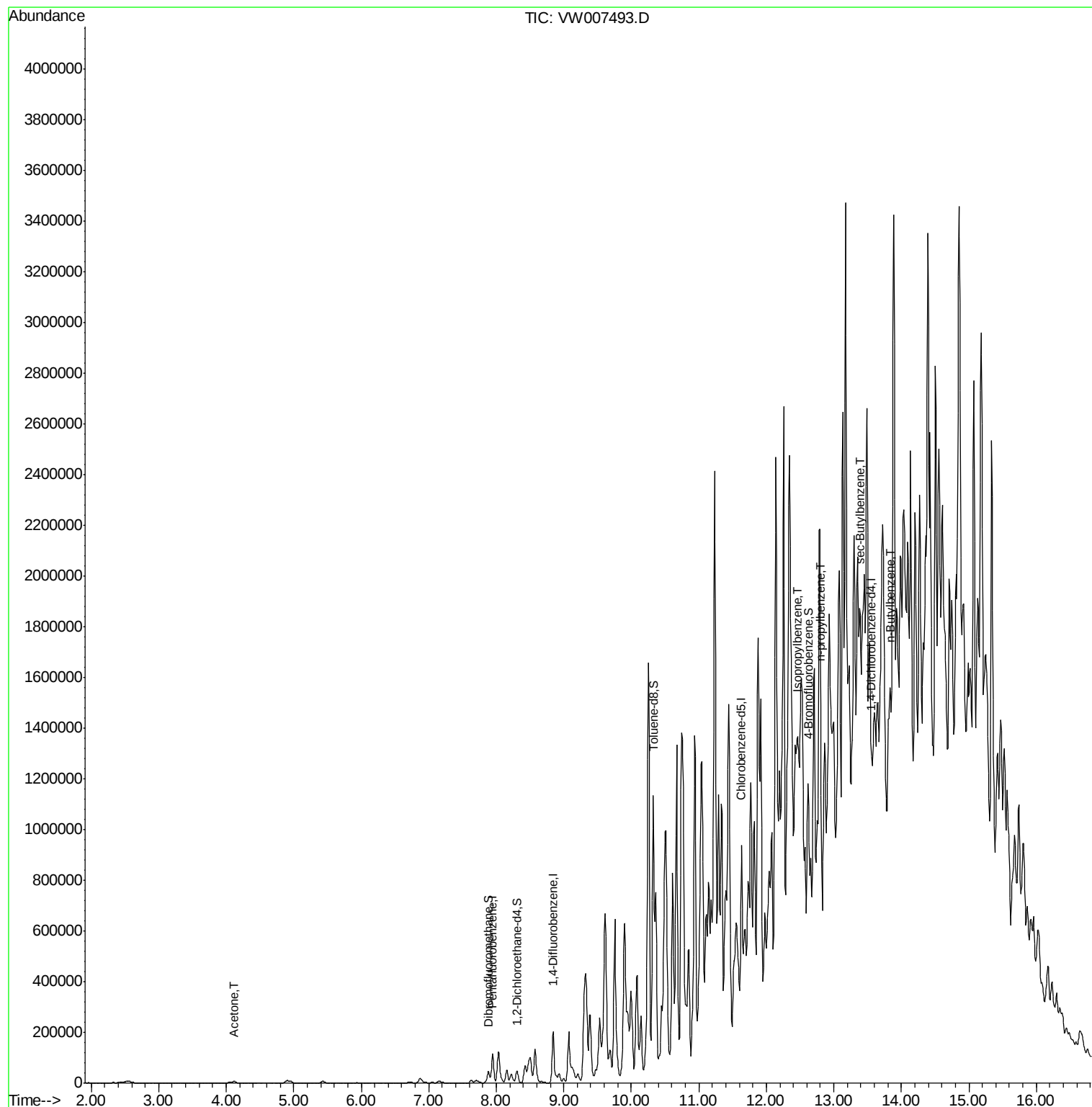
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121618\  
Data File : VW007493.D  
Acq On : 13 Dec 2018 17:20  
Operator : SY/AP  
Sample : J6329-02RE  
Misc : 4.86G/6ML/MSVOA W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
072-DUP-1RE

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Quant Time: Dec 14 15:52:54 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007493.D

Acq: 13 Dec 2018 17:20

Instrument :

MSVOA\_W

ClientSampleId :

072-DUP-1RE

Tot Ion:168 Resp: 82081

Ion Ratio Lower Upper

168 100

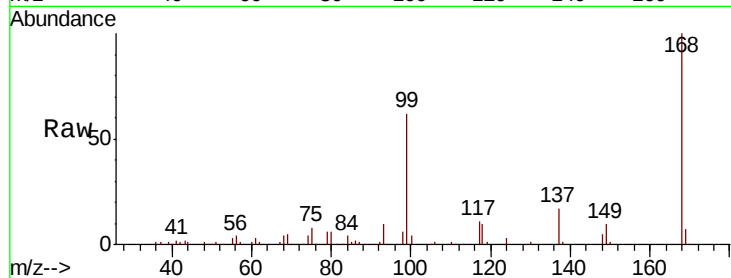
99 61.6 48.3 72.5

Manual Integrations

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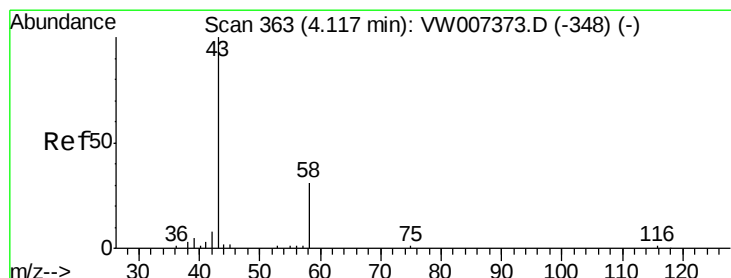
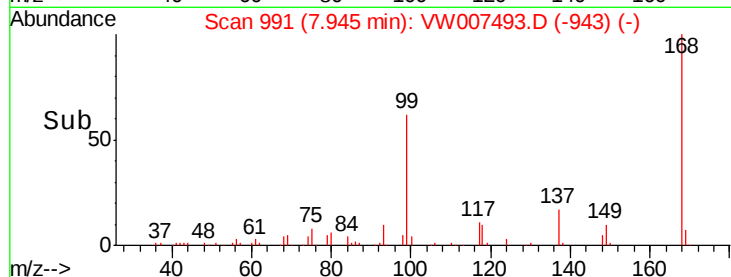
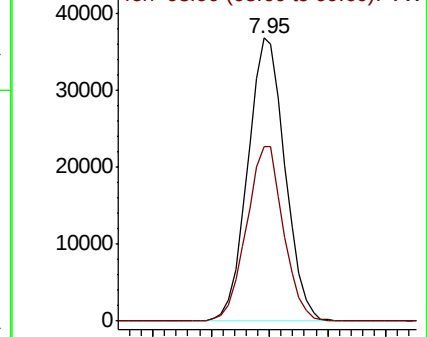
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 50.749 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007493.D

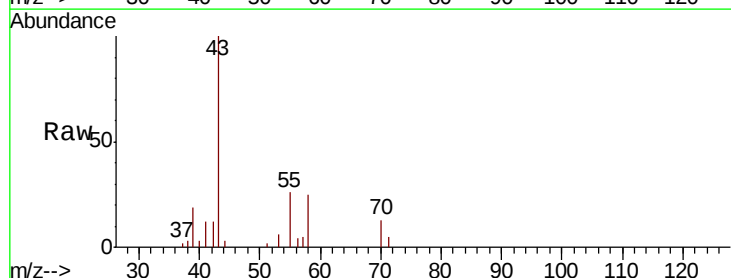
Acq: 13 Dec 2018 17:20

Tgt Ion: 43 Resp: 8072

Ion Ratio Lower Upper

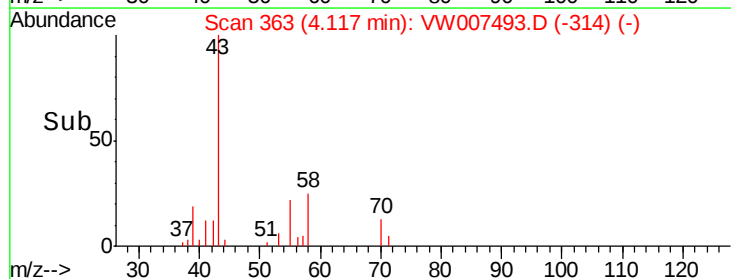
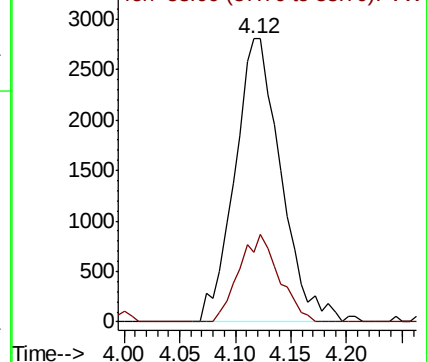
43 100

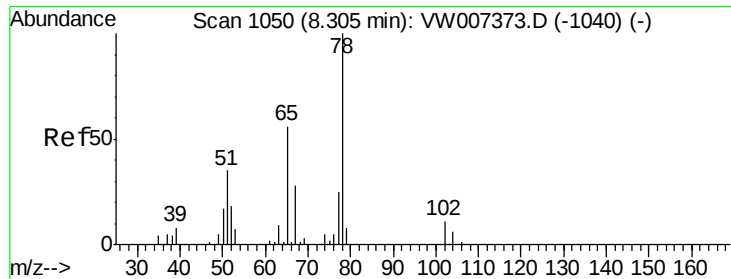
58 24.7 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#33

1,2-Dichloroethane-d4

Concen: 40.737 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007493.D

Acq: 13 Dec 2018 17:20

Instrument :

MSVOA\_W

ClientSampleId :

072-DUP-1RE

Tot Ion: 65 Resp: 37096

Ion Ratio Lower Upper

65 100

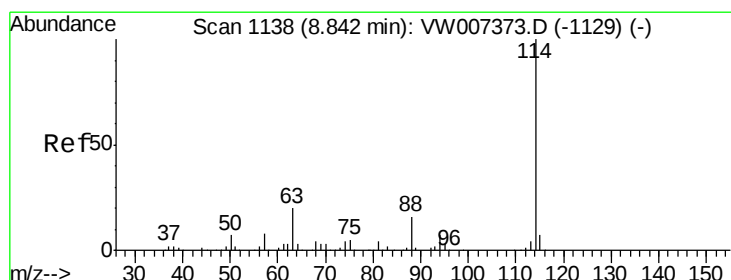
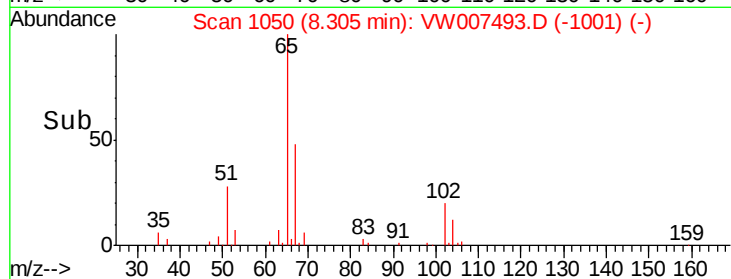
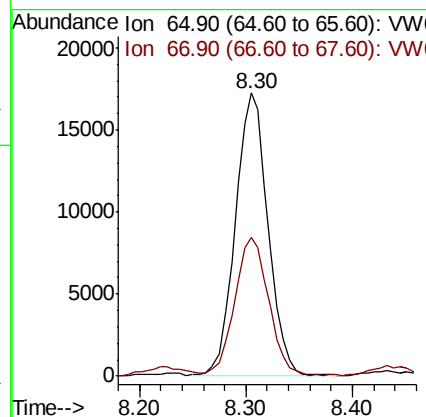
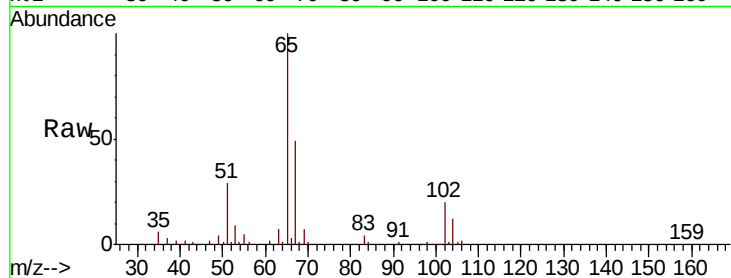
67 50.1 0.0 101.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007493.D

Acq: 13 Dec 2018 17:20

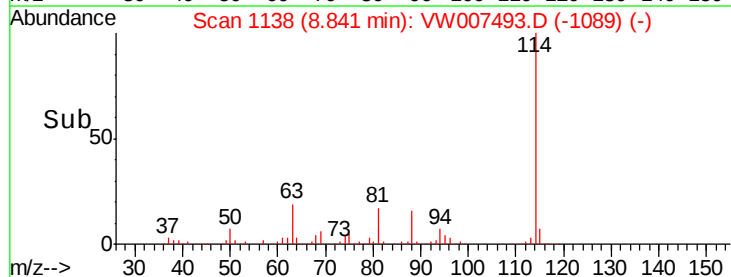
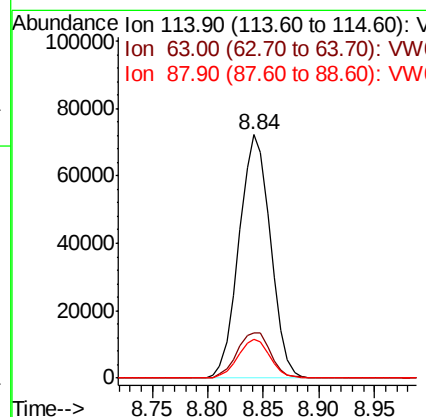
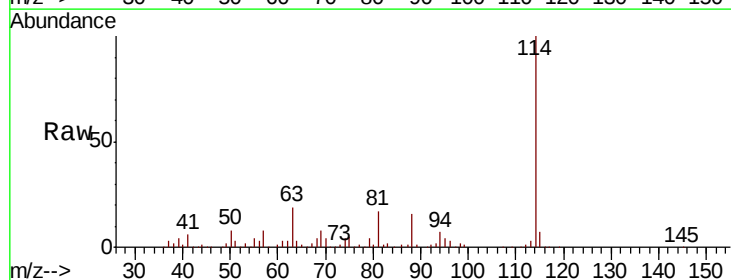
Tgt Ion: 114 Resp: 141380

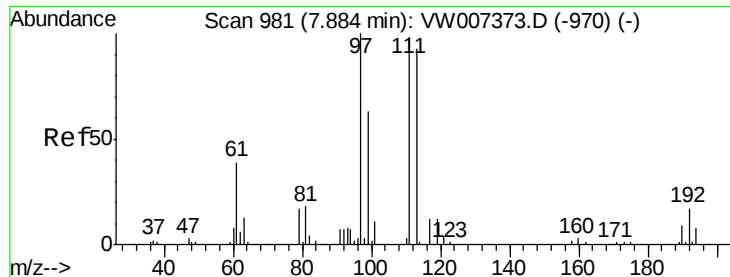
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.8 0.0 31.4





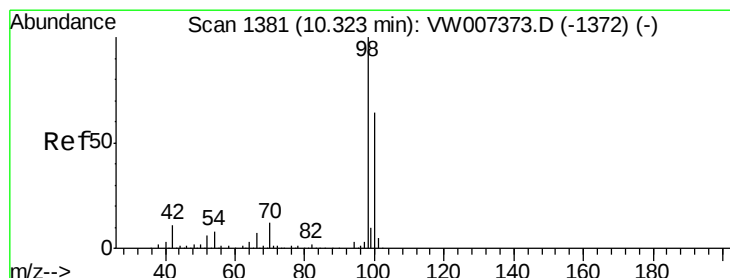
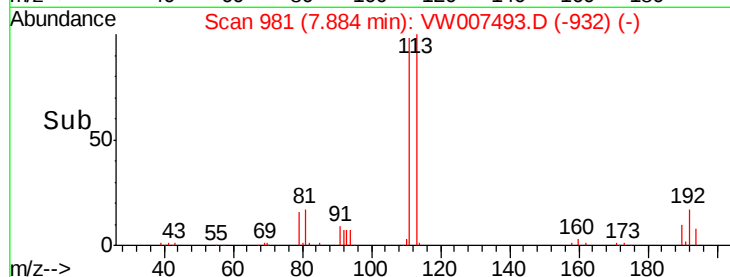
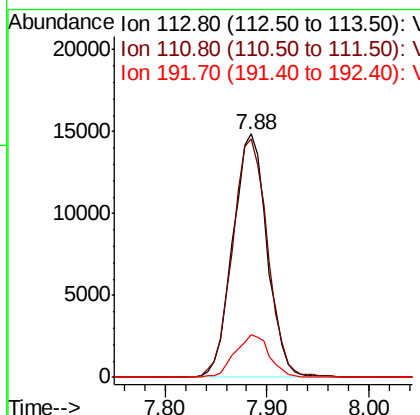
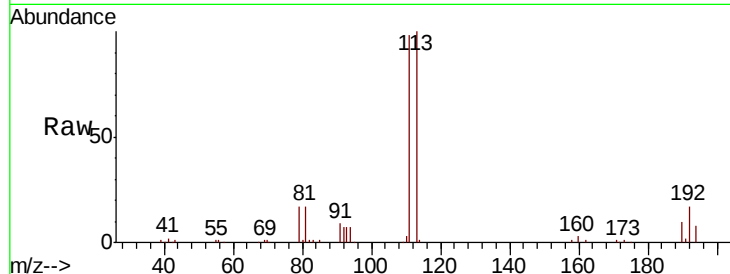
#35  
 Dibromofluoromethane  
 Concen: 40.454 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007493.D  
 Acq: 13 Dec 2018 17:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 072-DUP-1RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.5 | 81.1  | 121.7 |
| 192     | 17.4  | 14.6  | 21.8  |

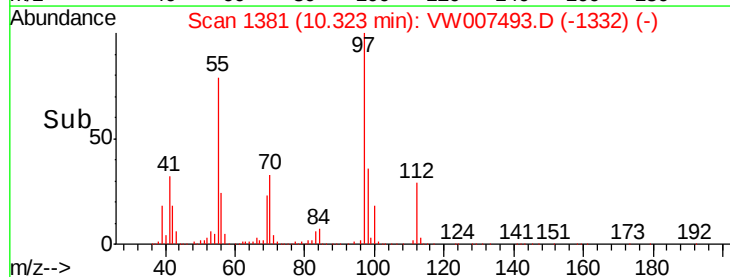
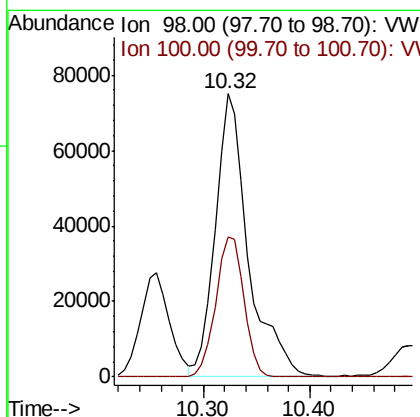
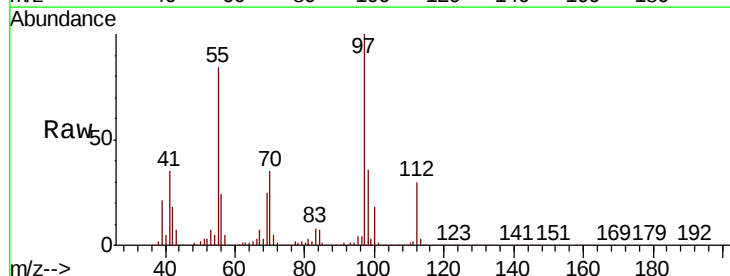
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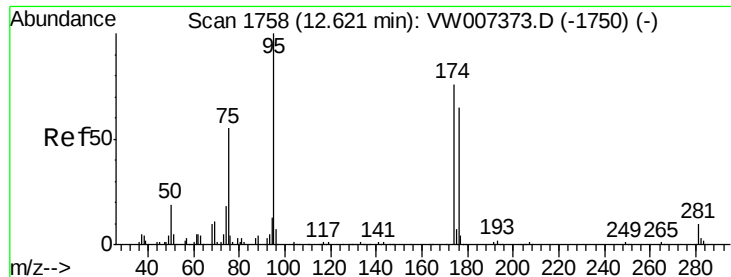
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#50  
 Toluene-d8  
 Concen: 50.379 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW007493.D  
 Acq: 13 Dec 2018 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 42.2  | 51.8  | 77.8# |





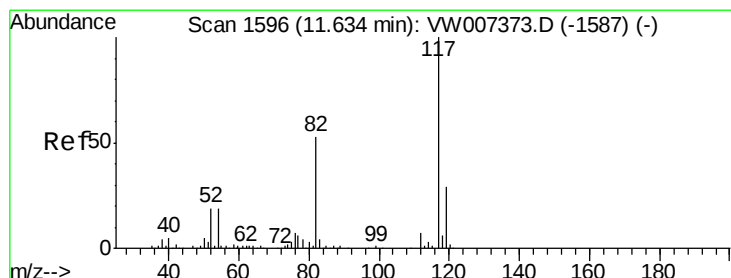
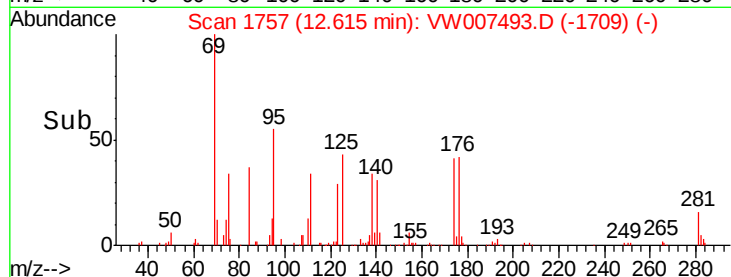
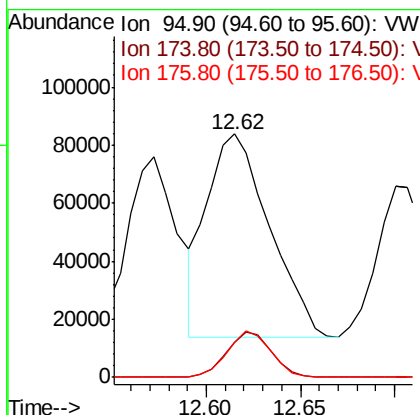
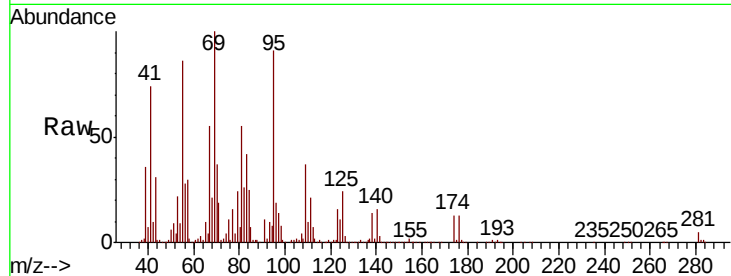
#62  
4-Bromofluorobenzene  
Concen: 136.912 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW007493.D  
Acq: 13 Dec 2018 17:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
072-DUP-1RE

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 161532 |       |       |
| 174     | 16.0  | 0.0    | 147.2 |       |
| 176     | 15.8  | 0.0    | 138.8 |       |

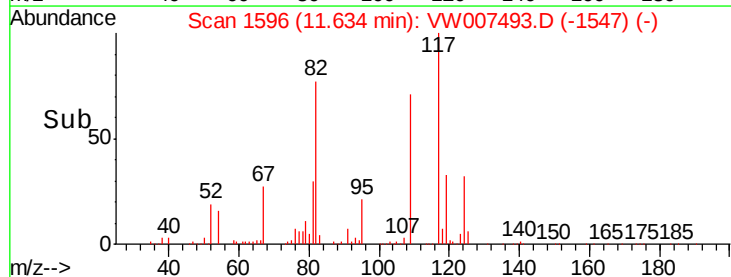
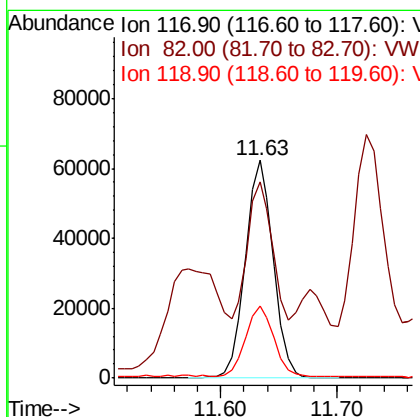
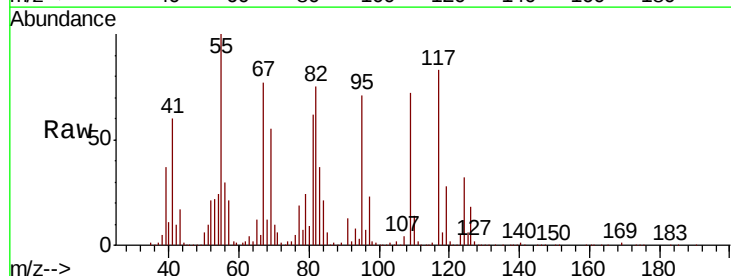
Manual Integrations  
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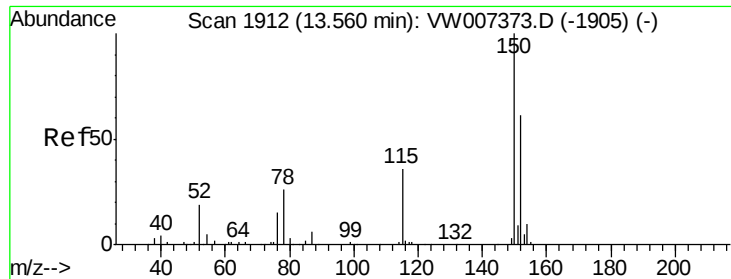
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007493.D  
Acq: 13 Dec 2018 17:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 102727 |       |       |
| 82      | 66.3  | 42.3   | 63.5# |       |
| 119     | 32.5  | 23.0   | 34.6  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007493.D

Acq: 13 Dec 2018 17:20

Instrument :

MSVOA\_W

ClientSampleId :

072-DUP-1RE

Tot Ion:152 Resp: 64318

Ion Ratio Lower Upper

152 100

115 37.6 31.4 94.2

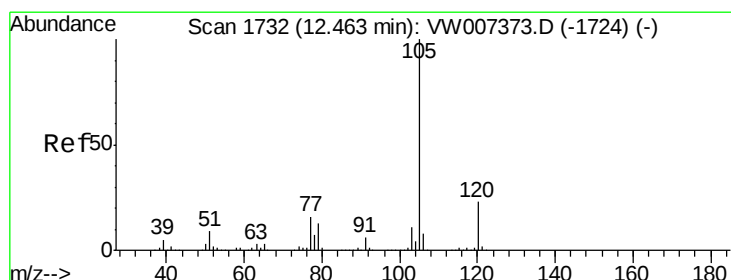
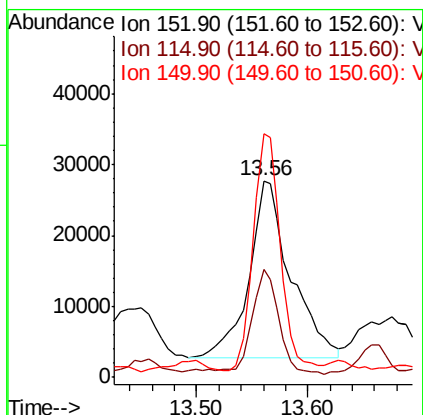
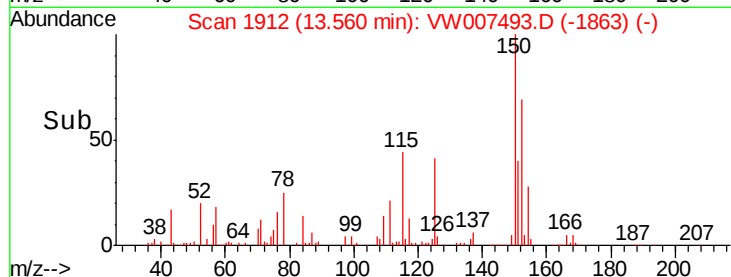
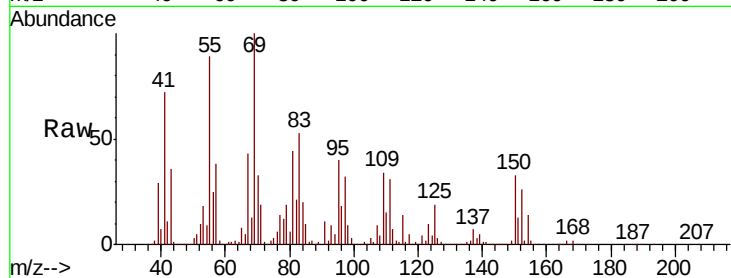
150 88.8 0.0 358.4

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#73

Isopropylbenzene

Concen: 27.647 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007493.D

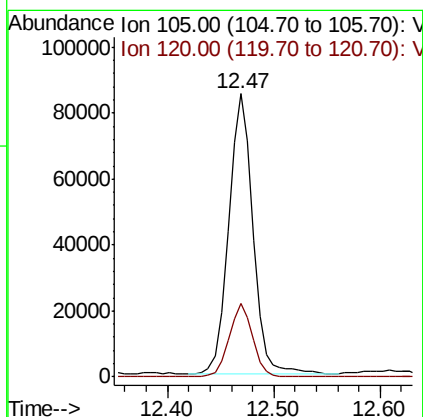
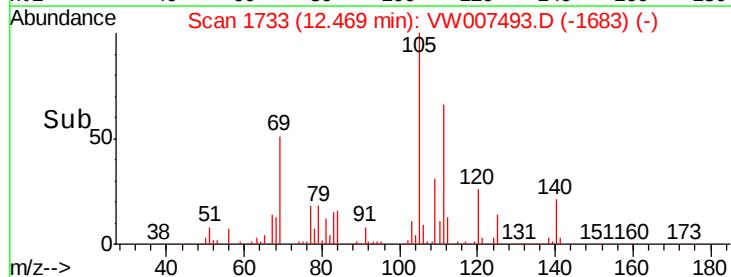
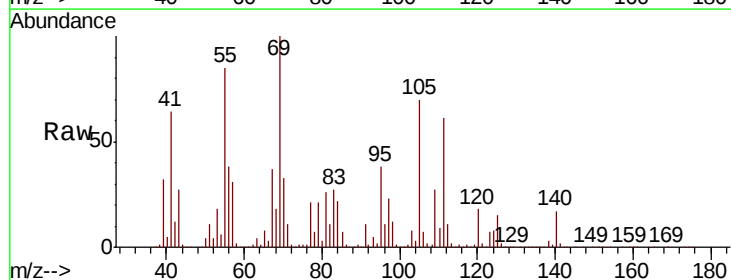
Acq: 13 Dec 2018 17:20

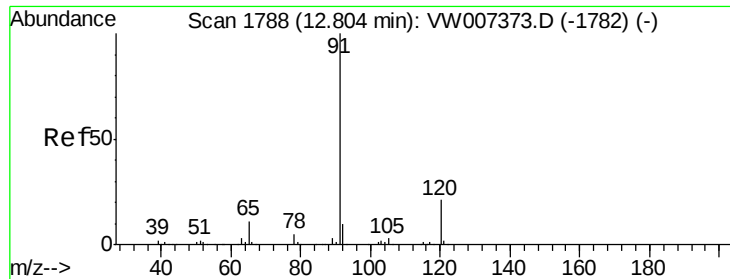
Tgt Ion:105 Resp: 136254

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4





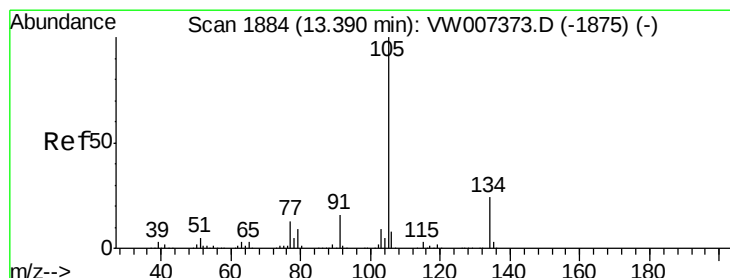
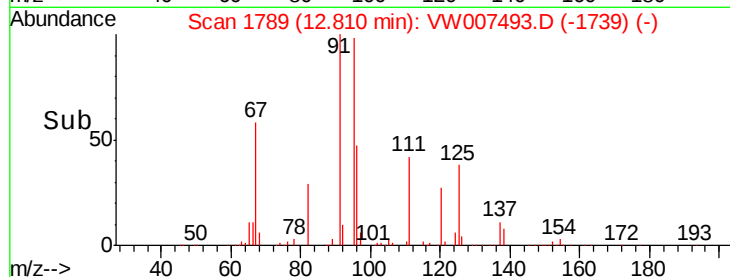
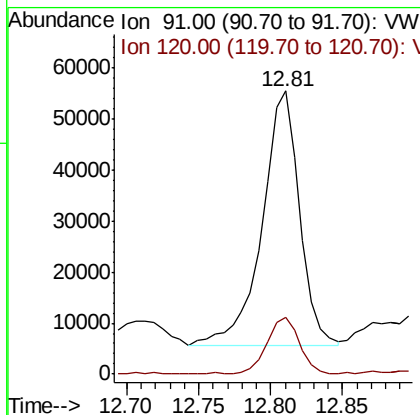
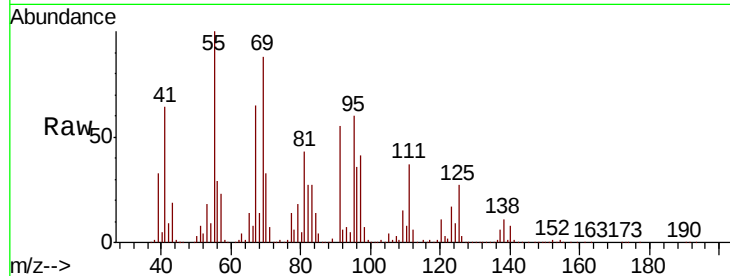
#78  
n-propylbenzene  
Concen: 16.137 ug/l  
RT: 12.81 min Scan# 1789  
Delta R.T. 0.01 min  
Lab File: VW007493.D  
Acq: 13 Dec 2018 17:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
072-DUP-1RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 19.2  | 11.9  | 35.5  |

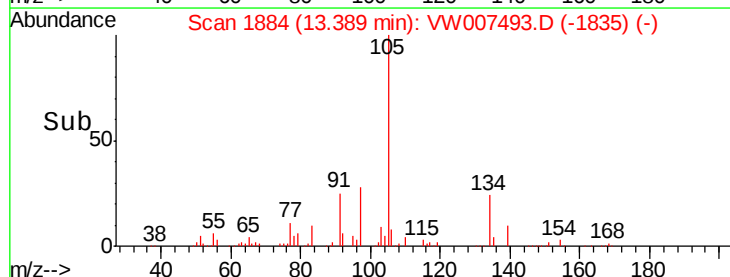
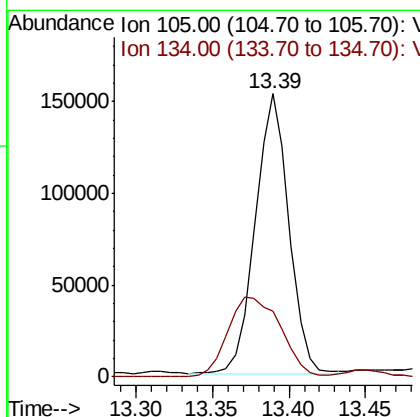
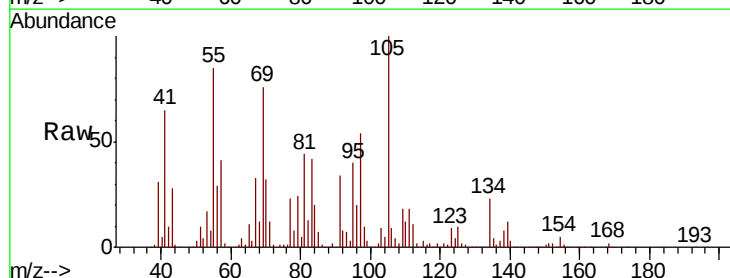
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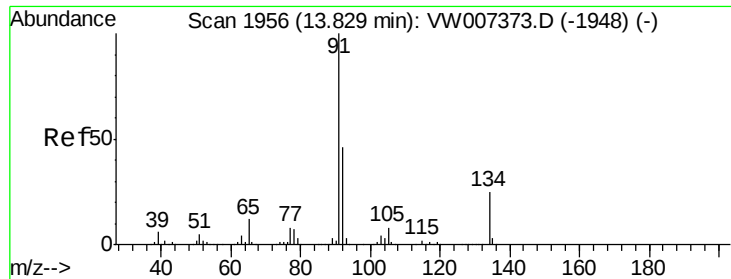
MMDadoda  
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#85  
sec-Butylbenzene  
Concen: 46.623 ug/l  
RT: 13.39 min Scan# 1884  
Delta R.T. -0.00 min  
Lab File: VW007493.D  
Acq: 13 Dec 2018 17:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 44.3  | 11.1  | 33.3  |





#89

n-Butylbenzene

Concen: 19.836 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007493.D

Acq: 13 Dec 2018 17:20

Instrument :

MSVOA\_W

ClientSampleId :

072-DUP-1RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 91    | Resp: | 82287 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 92        | 41.2  | 25.7  | 77.1  |
| 134       | 70.4  | 13.4  | 40.2  |

Manual Integrations  
APPROVED

MMDadoda  
12/14/2018 11:24:38 AM

