

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\  
 Data File : VX014871.D  
 Acq On : 07 Feb 2020 15:14  
 Operator : JC/SP  
 Sample : L1410-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 001-WILLETS-PT-BLVD-(FEB)

Manual Integrations  
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MMDadoda  
 2/10/2020 10:49:42 AM

Quant Time: Feb 07 22:49:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jan 15 12:41:12 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| 1) Bromochloromethane       | 5.01           | 128  | 67614      | 30.00   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.85           | 114  | 383442     | 30.00   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.10          | 117  | 341998     | 30.00   | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4   | 6.05           | 65   | 147978     | 31.14   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 50 - 169 |      | Recovery = | 103.80% |        |          |
| 60) 4-Bromofluorobenzene    | 11.13          | 95   | 159578     | 29.16   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 56 - 143 |      | Recovery = | 97.20%  |        |          |
| 63) Toluene-d8              | 8.71           | 98   | 447687     | 28.98   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 66 - 137 |      | Recovery = | 96.60%  |        |          |
| Target Compounds            |                |      |            |         |        |          |
| 15) Acetone                 | 2.43           | 58   | 719202     | 927.247 | ug/l   | 84       |
| 30) 2-Butanone              | 4.67           | 43   | 18158      | 5.097   | ug/l # | 95       |
| 58) 4-Methyl-2-Pentanone    | 8.64           | 43   | 8830m      | 1.371   | ug/l   |          |
| 62) Toluene                 | 8.78           | 91   | 175913     | 9.695   | ug/l   | 99       |
| 91) Naphthalene             | 13.83          | 128  | 4590       | 0.255   | ug/l # | 90       |

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

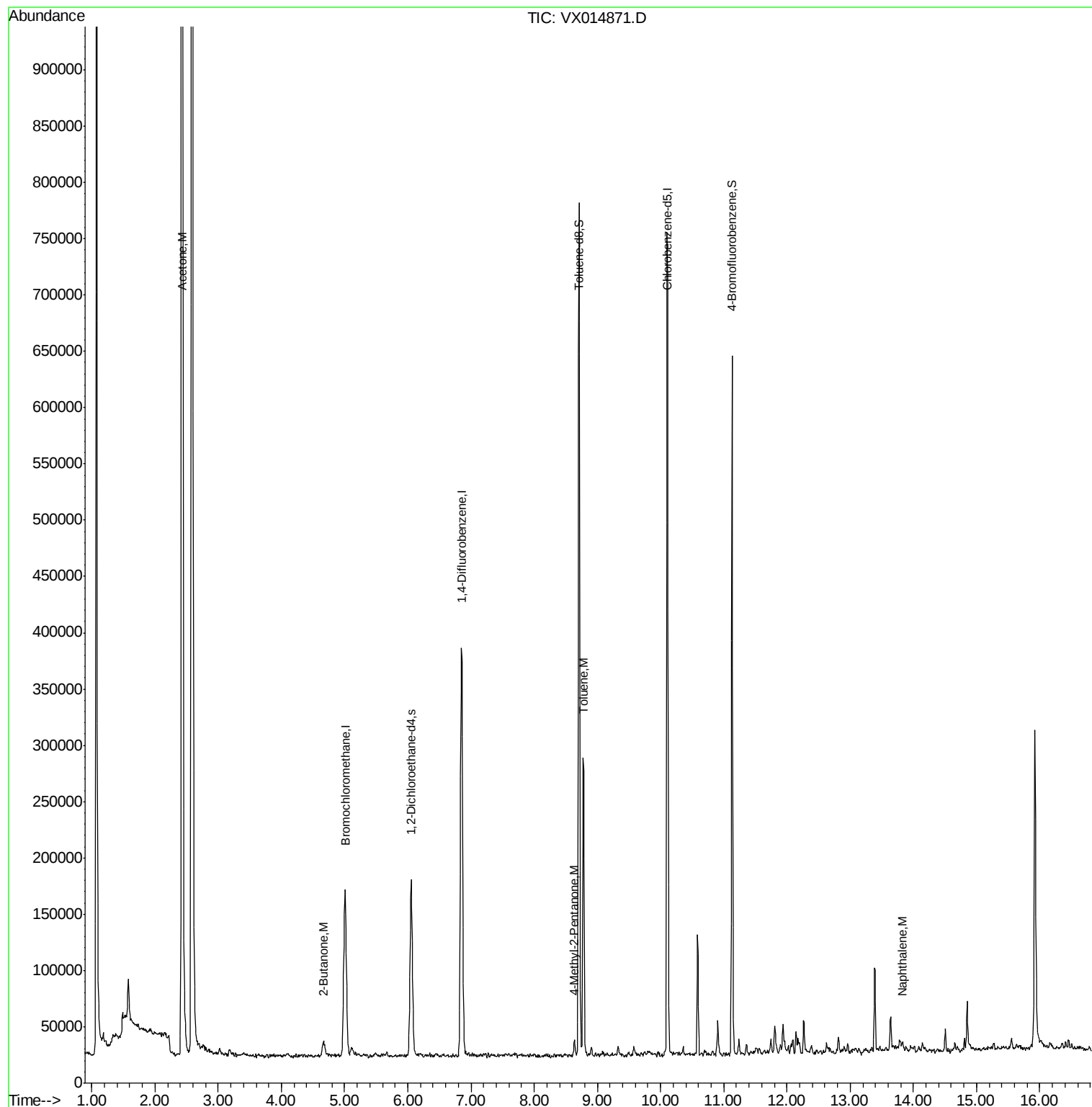
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020720\  
Data File : VX014871.D  
Acq On : 07 Feb 2020 15:14  
Operator : JC/SP  
Sample : L1410-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 11 Sample Multiplier: 1

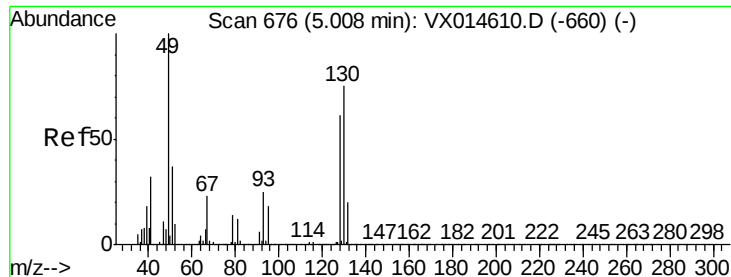
Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(FEB)

Manual Integrations  
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2/10/2020 10:49:42 AM

Quant Time: Feb 07 22:49:09 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Jan 15 12:41:12 2020  
Response via : Initial Calibration





#1

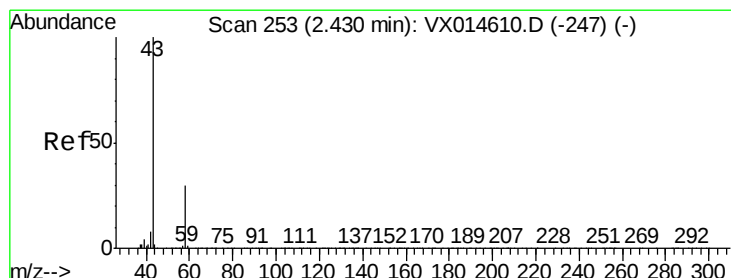
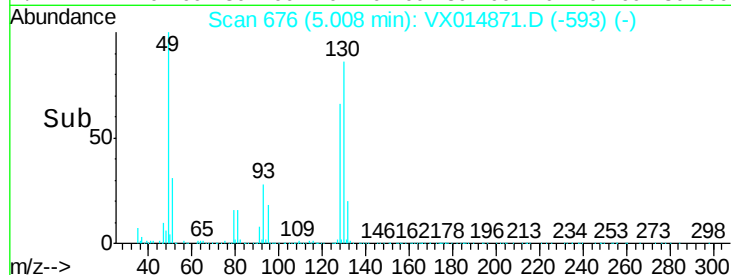
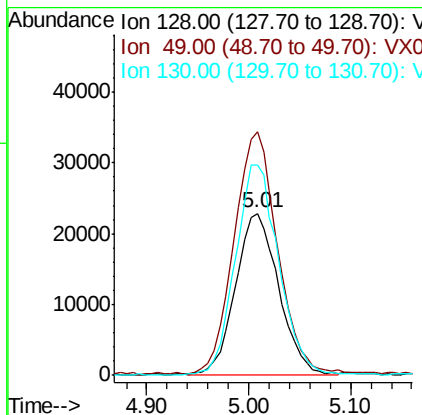
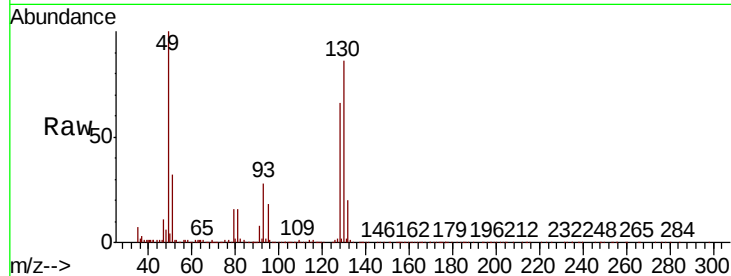
Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 5.01 min Scan# 676  
 Delta R.T. 0.01 min  
 Lab File: VX014871.D  
 Acq: 07 Feb 2020 15:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 001-WILLETS-PT-BLVD-(FEB)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 148.6 | 0.0   | 405.0 |
| 130     | 129.8 | 0.0   | 321.5 |

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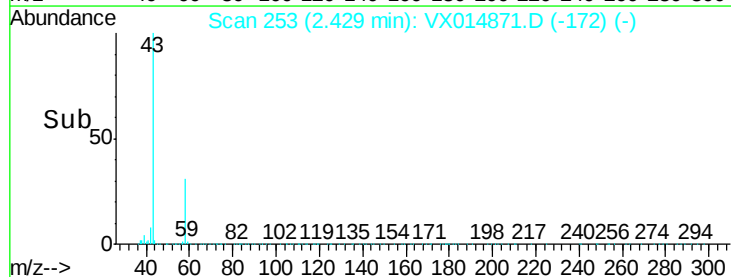
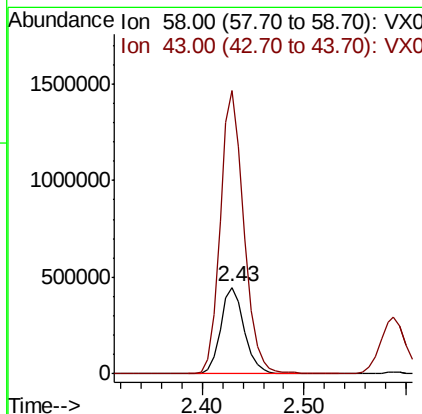
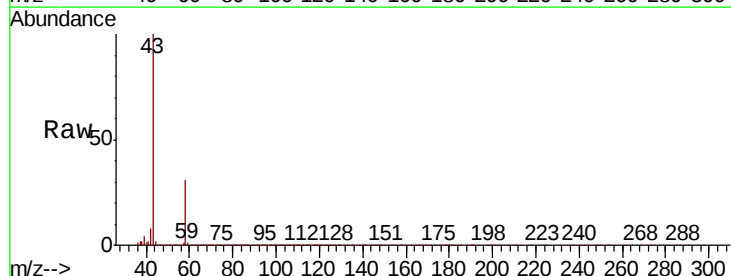
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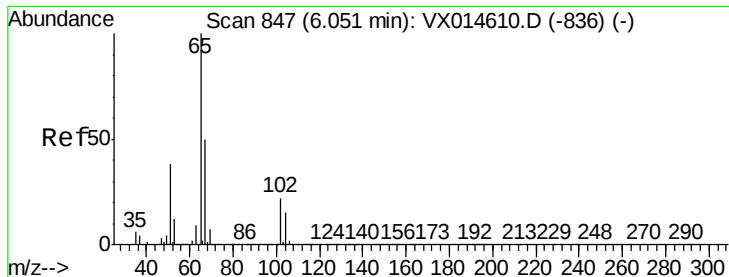


#15

Acetone  
 Concen: 927.247 ug/l  
 RT: 2.43 min Scan# 253  
 Delta R.T. -0.01 min  
 Lab File: VX014871.D  
 Acq: 07 Feb 2020 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 58      | 100   |       |       |
| 43      | 326.5 | 236.3 | 354.5 |





#27

1,2-Dichloroethane-d4

Concen: 31.137 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014871.D

Acq: 07 Feb 2020 15:14

Instrument :

MSVOA\_X

ClientSampleId :

001-WILLETS-PT-BLVD-(FEB)

Tot Ion: 65 Resp: 147978

Ion Ratio Lower Upper

65 100

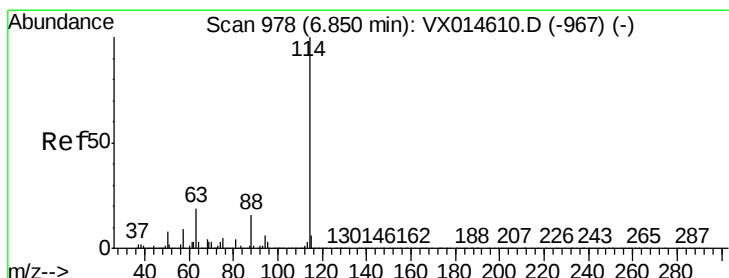
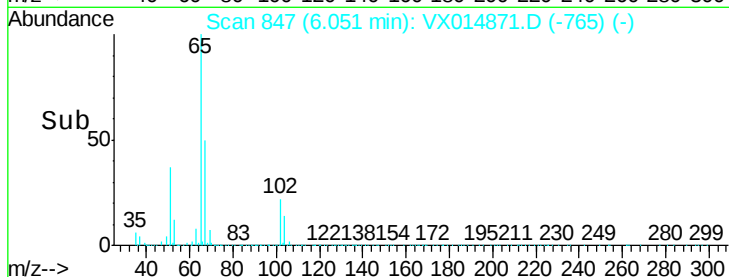
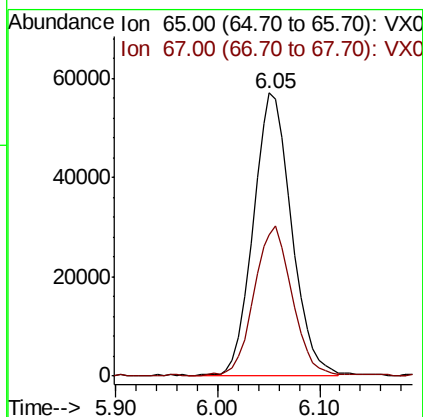
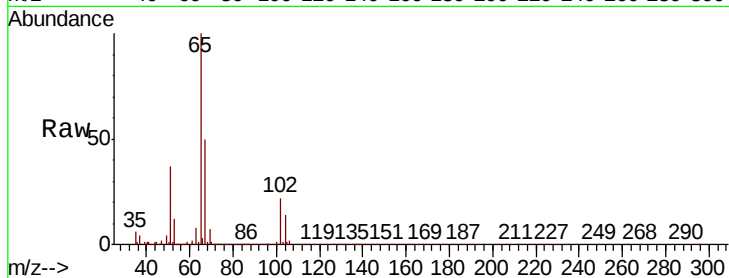
67 52.4 43.1 64.7

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014871.D

Acq: 07 Feb 2020 15:14

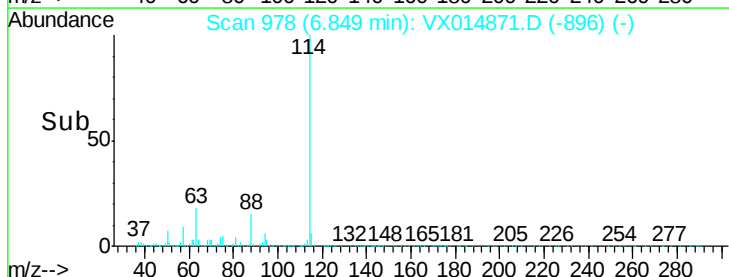
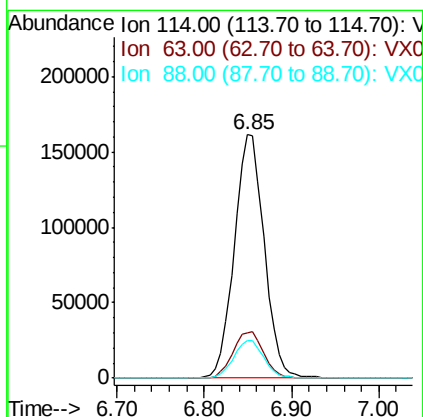
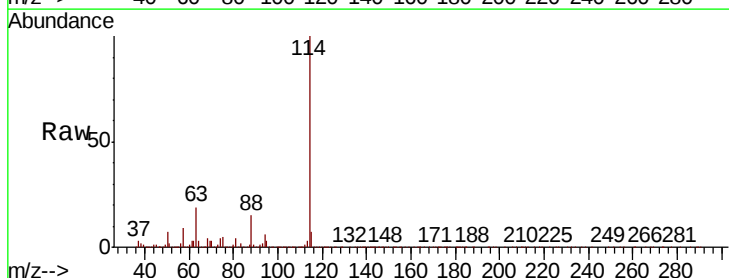
Tgt Ion: 114 Resp: 383442

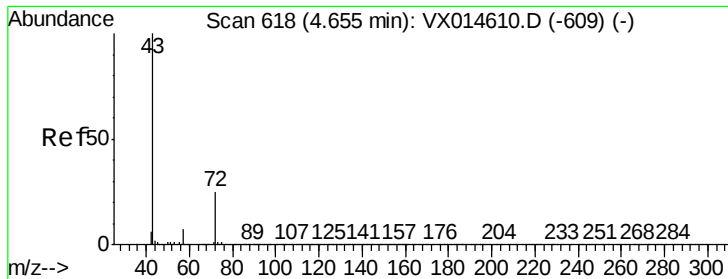
Ion Ratio Lower Upper

114 100

63 19.4 16.1 24.1

88 15.5 12.5 18.7





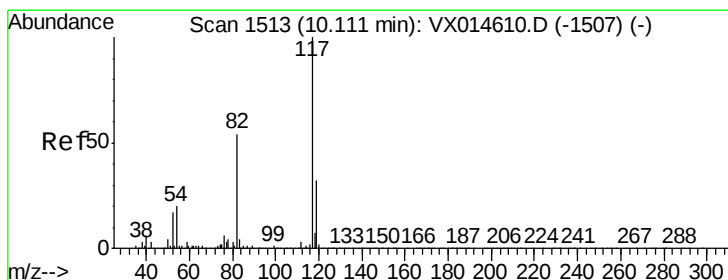
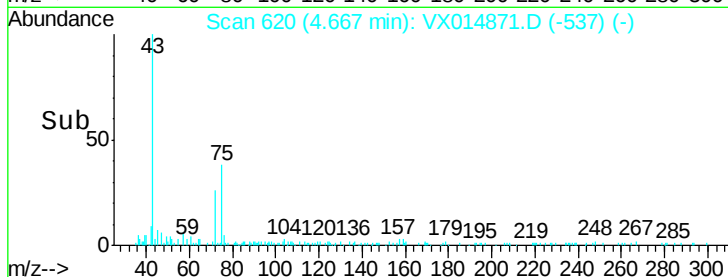
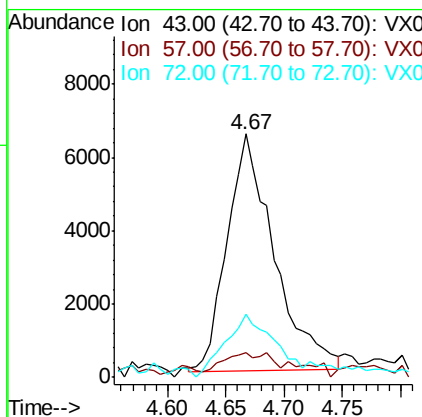
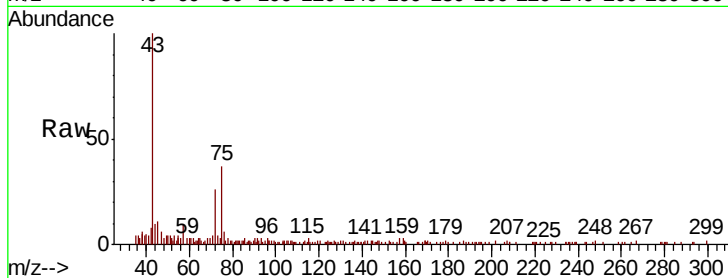
#30  
2-Butanone  
Concen: 5.097 ug/l  
RT: 4.67 min Scan# 620  
Delta R.T. 0.01 min  
Lab File: VX014871.D  
Acq: 07 Feb 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(FEB)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 4.7   | 6.2   | 9.2#  |
| 72      | 27.5  | 20.3  | 30.5  |

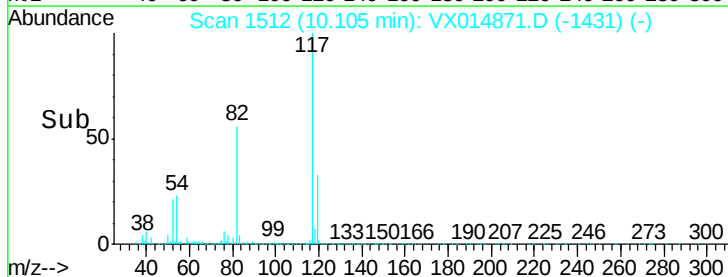
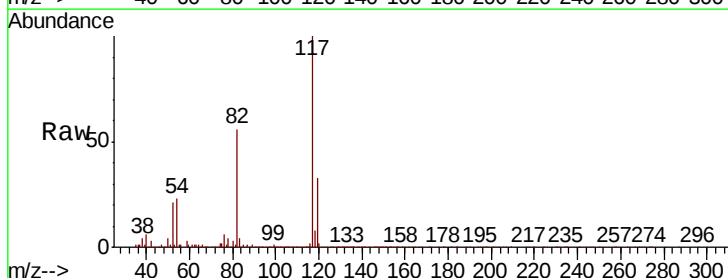
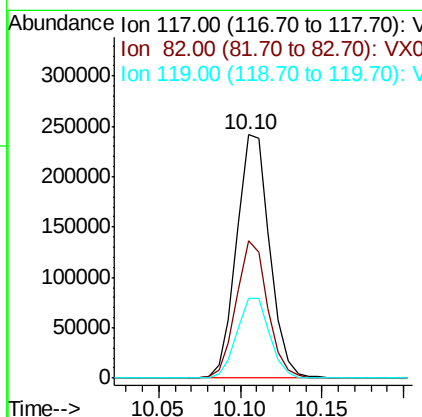
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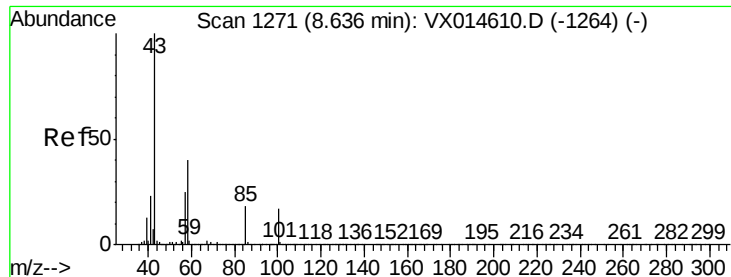
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#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014871.D  
Acq: 07 Feb 2020 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.4  | 43.8  | 65.6  |
| 119     | 32.4  | 25.8  | 38.6  |





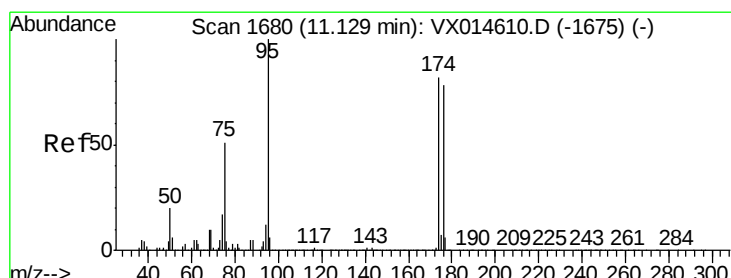
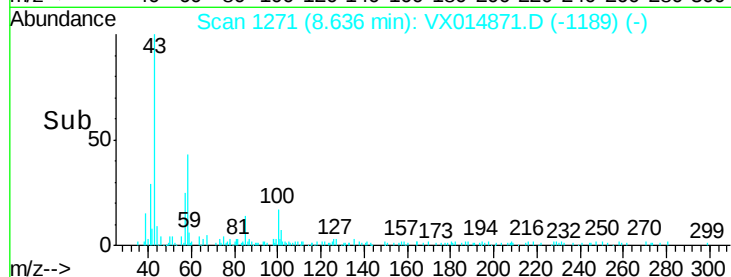
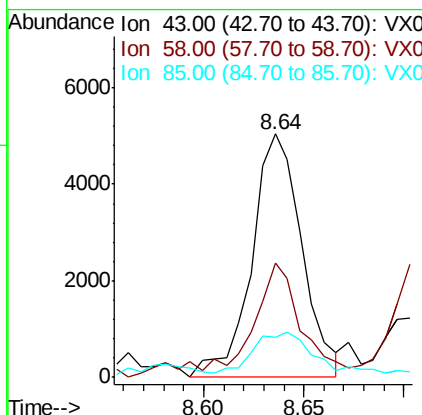
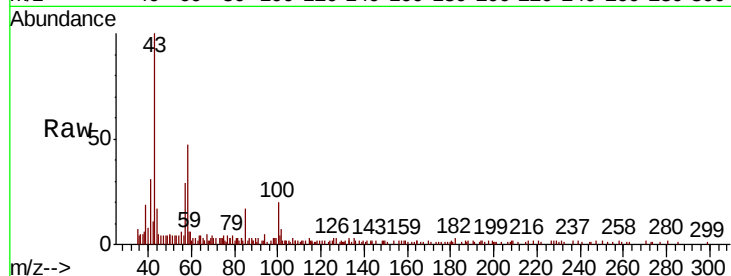
#58  
4-Methyl-2-Pentanone  
Concen: 1.371 ug/l  
RT: 8.64 min Scan# 1271  
Delta R.T. 0.00 min  
Lab File: VX014871.D  
Acq: 07 Feb 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(FEB)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 2.1   | 31.2  | 46.8# |
| 85      | 1.0   | 14.2  | 21.2# |

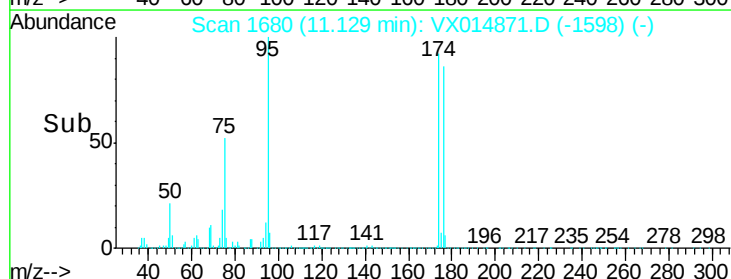
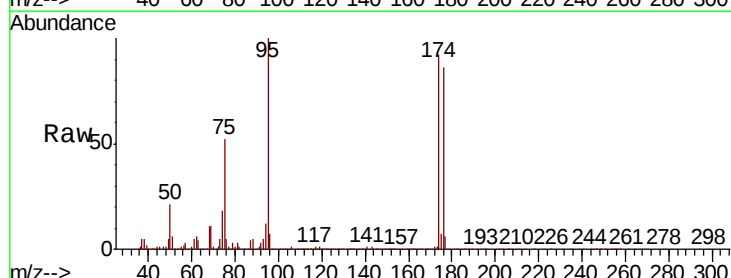
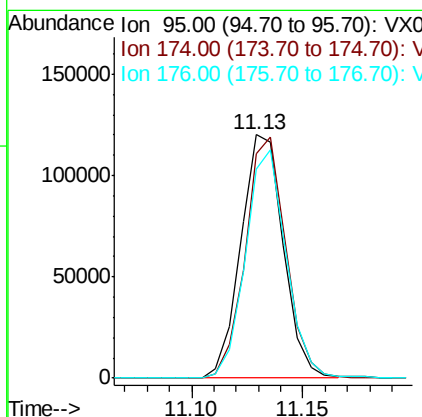
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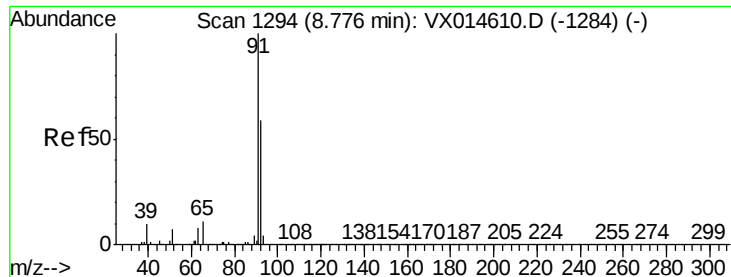
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#60  
4-Bromofluorobenzene  
Concen: 29.159 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VX014871.D  
Acq: 07 Feb 2020 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.0  | 70.2  | 105.2 |
| 176     | 90.5  | 68.3  | 102.5 |





#62

Toluene

Concen: 9.695 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014871.D

Acq: 07 Feb 2020 15:14

Instrument :

MSVOA\_X

ClientSampleId :

001-WILLETS-PT-BLVD-(FEB)

Tot Ion: 91 Resp: 175913

Ion Ratio Lower Upper

91 100

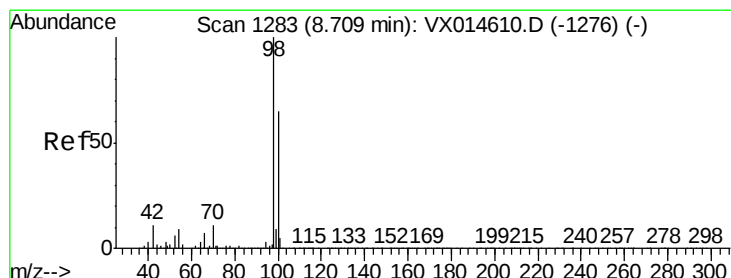
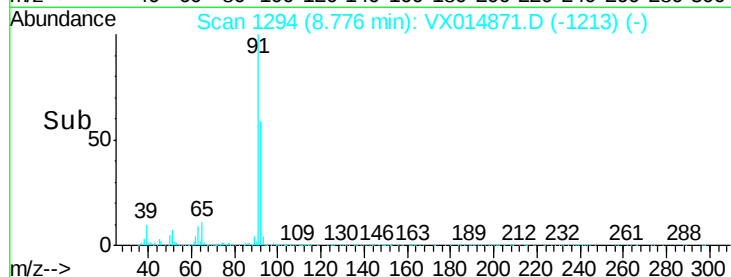
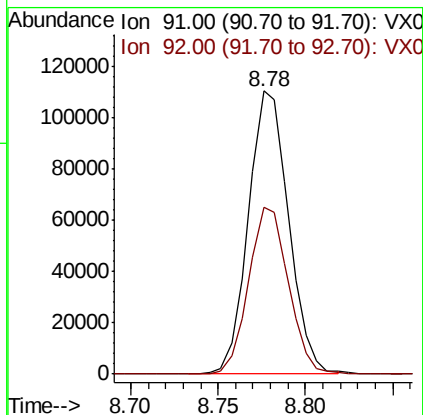
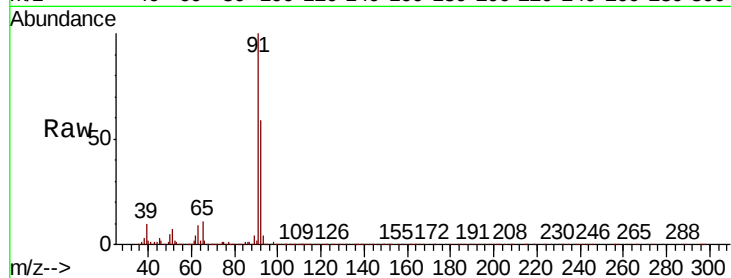
92 58.8 46.4 69.6

Manual Integrations

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#63

Toluene-d8

Concen: 28.980 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014871.D

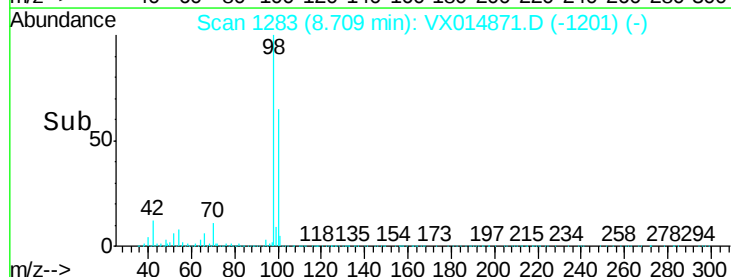
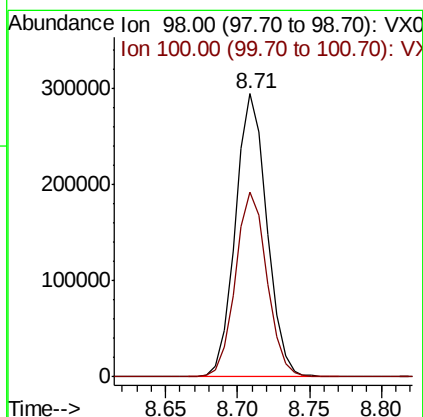
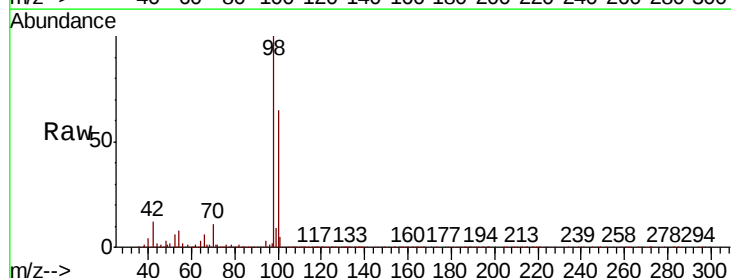
Acq: 07 Feb 2020 15:14

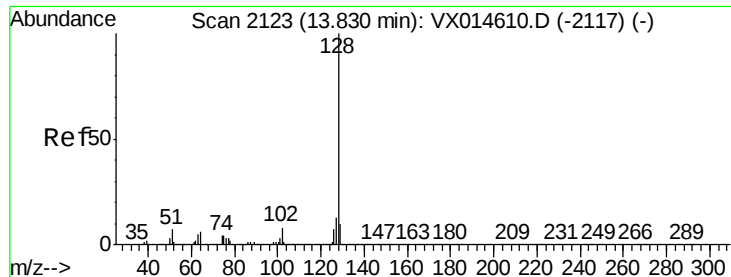
Tgt Ion: 98 Resp: 447687

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2





#91  
Naphthalene  
Concen: 0.255 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX014871.D  
Acq: 07 Feb 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
001-WILLETS-PT-BLVD-(FEB)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 20.0  | 10.4  | 15.6# |
| 129     | 10.4  | 8.9   | 13.3  |

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