

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\  
 Data File : VV014341.D  
 Acq On : 17 Jan 2020 17:12  
 Operator : SY/MD  
 Sample : L1169-11  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF773

Manual Integrations  
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Quant Time: Jan 18 00:25:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jan 17 22:51:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 791920   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 728847   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 336739   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 232496   | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.00%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 199269   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 281936   | 3.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.00%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 758102   | 56.95    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.90% |
| 24) Chloroform-d               | 4.40   | 84    | 491030   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 260022   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 1061382  | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 340169   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 939725   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 137715   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.40%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 665157   | 52.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.34% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 248968   | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 311554   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.60%  |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene     | 2.13  | 96   | 3590     | 0.101 | ug/L # | 1      |
| 13) Acetone                | 2.19  | 43   | 24546m   | 2.678 | ug/L   |        |
| 14) Carbon disulfide       | 2.32  | 76   | 9836     | 0.063 | ug/L # | 89     |
| 22) cis-1,2-Dichloroethene | 3.96  | 96   | 179219   | 3.074 | ug/L # | 98     |
| 25) Chloroform             | 4.42  | 83   | 26529    | 0.266 | ug/L   | 90     |
| 27) 1,2-Dichloroethane     | 5.19  | 62   | 19311    | 0.323 | ug/L # | 85     |
| 34) Trichloroethene        | 5.96  | 95   | 47379    | 0.821 | ug/L   | 94     |
| 51) Chlorobenzene          | 8.92  | 112  | 59445    | 0.408 | ug/L   | 96     |
| 62) 1,3-Dichlorobenzene    | 11.22 | 146  | 14416    | 0.137 | ug/L   | 92     |
| 63) 1,4-Dichlorobenzene    | 11.31 | 146  | 27435    | 0.262 | ug/L   | 96     |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180  | 42675    | 0.636 | ug/L   | 97     |

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

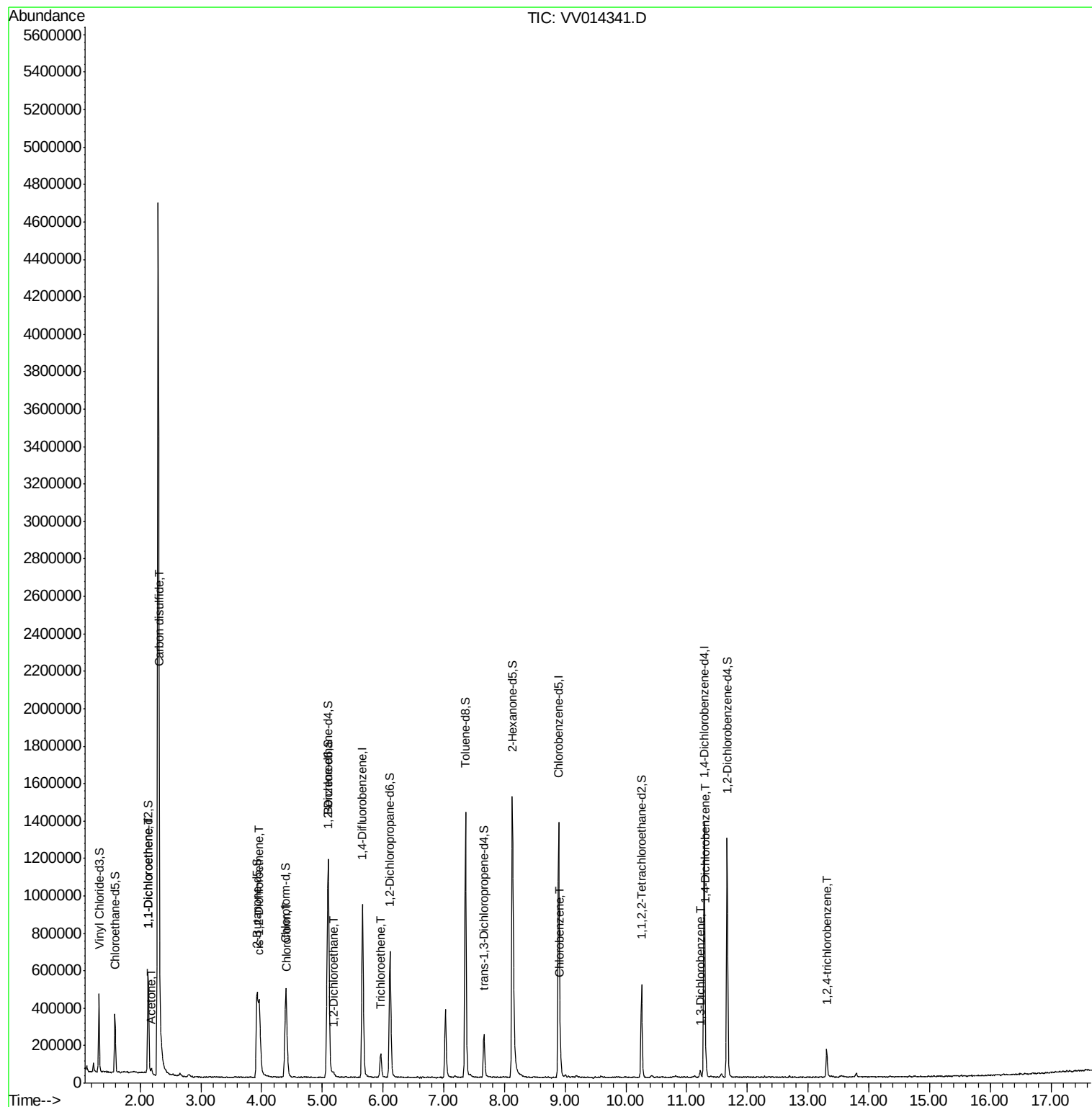
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\  
Data File : VV014341.D  
Acq On : 17 Jan 2020 17:12  
Operator : SY/MD  
Sample : L1169-11  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 20 Sample Multiplier: 1

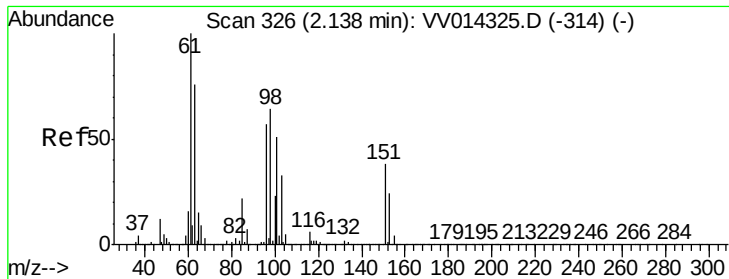
Instrument :  
MSVOA\_V  
ClientSampleId :  
BF773

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Quant Time: Jan 18 00:25:27 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jan 17 22:51:36 2020  
Response via : Initial Calibration





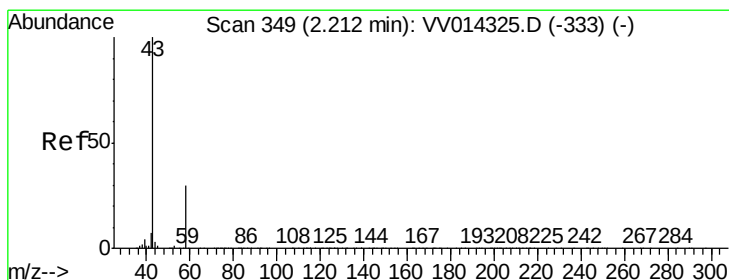
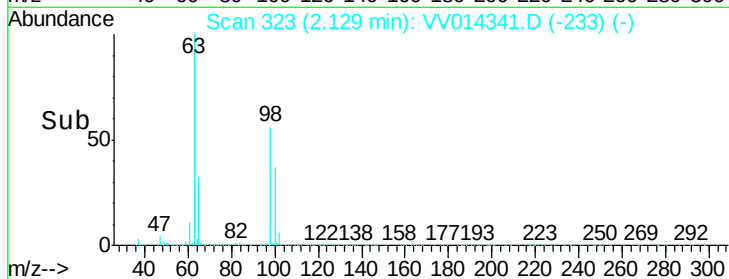
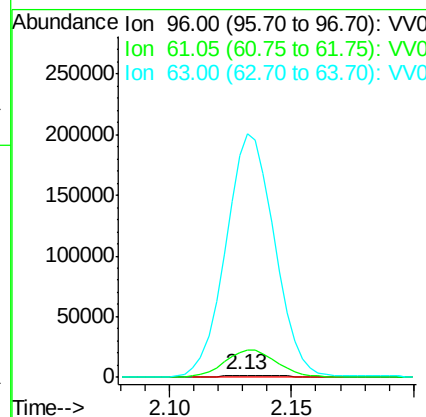
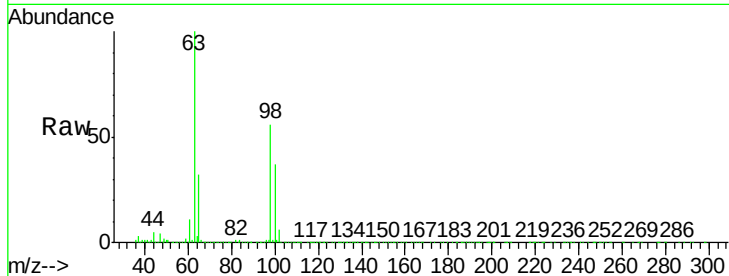
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1,1-Dichloroethene  
Concen: 0.101 ug/L  
RT: 2.13 min Scan# 323  
Delta R.T. -0.01 min  
Lab File: VV014341.D  
Acq: 17 Jan 2020 17:12

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF773

| Tot Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 96      | 100    |       |       |
| 61      | 1124.7 | 121.5 | 225.7 |
| 63      | 9803.0 | 90.3  | 167.7 |

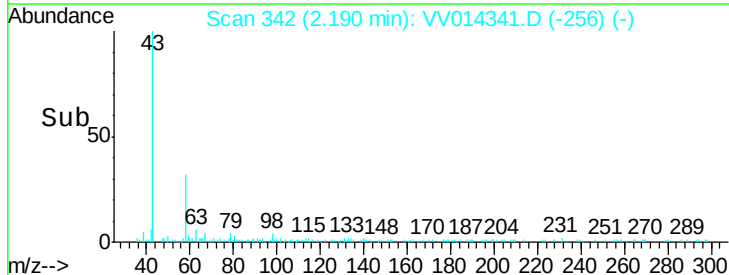
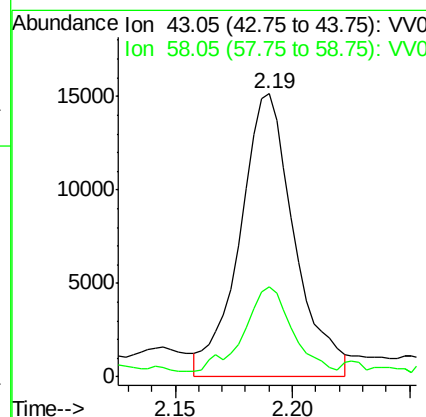
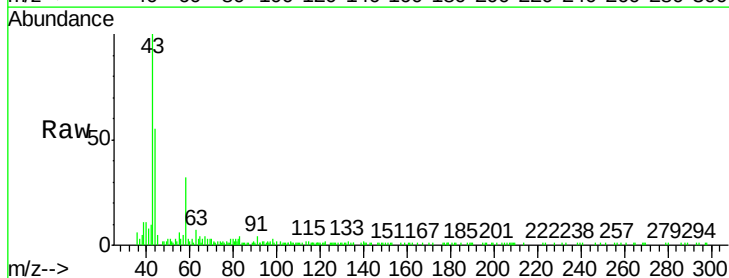
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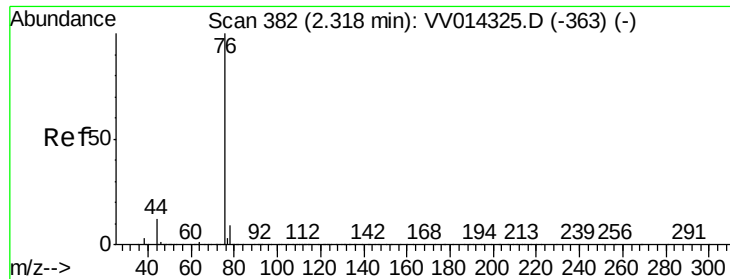
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#13  
Acetone  
Concen: 2.678 ug/L m  
RT: 2.19 min Scan# 342  
Delta R.T. -0.02 min  
Lab File: VV014341.D  
Acq: 17 Jan 2020 17:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 85.2  | 0.0   | 66.0  |





#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

Instrument :

MSVOA\_V

ClientSampleId :

BF773

Tot Ion: 76 Resp: 9836

Ion Ratio Lower Upper

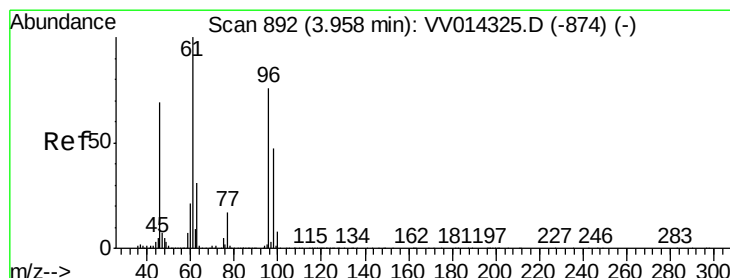
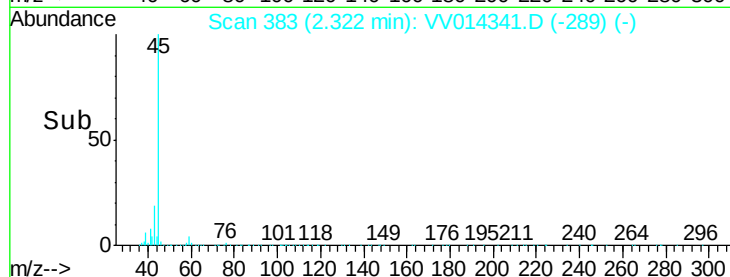
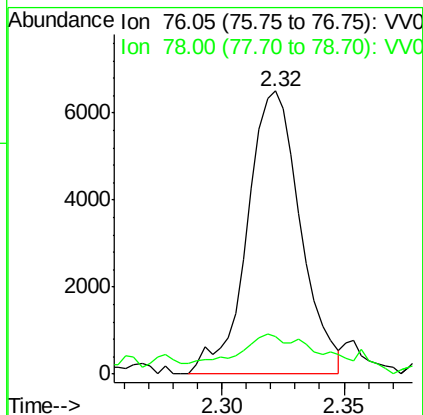
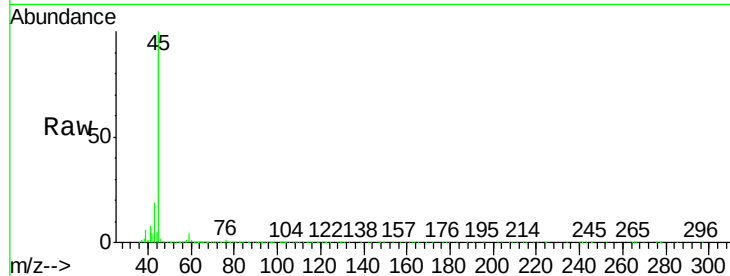
76 100

78 13.5 7.5 11.3#

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#22

cis-1,2-Dichloroethene

Concen: 3.074 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV014341.D

Acq: 17 Jan 2020 17:12

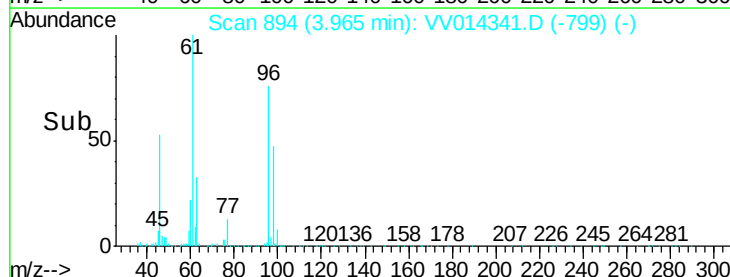
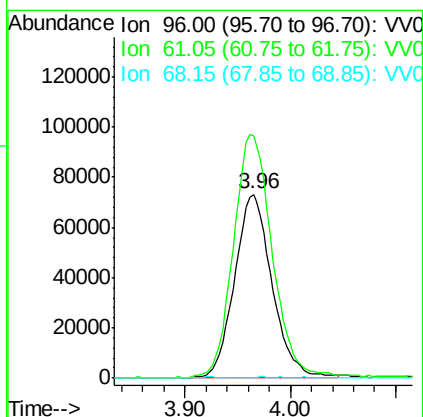
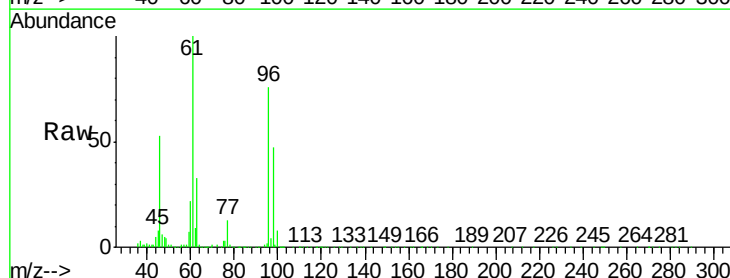
Tgt Ion: 96 Resp: 179219

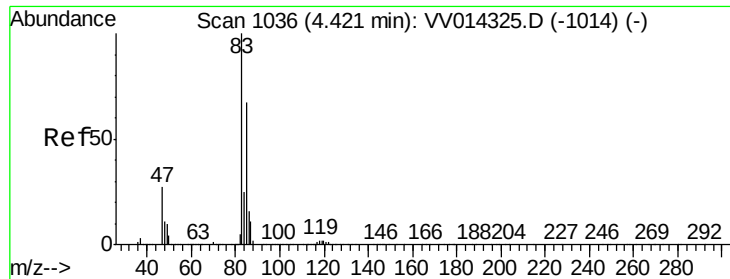
Ion Ratio Lower Upper

96 100

61 131.8 90.6 168.3

68 0.3 0.3 0.7#





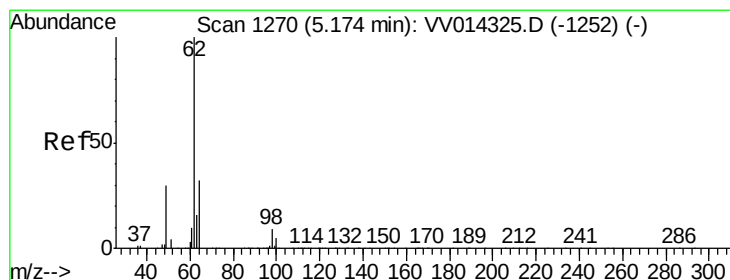
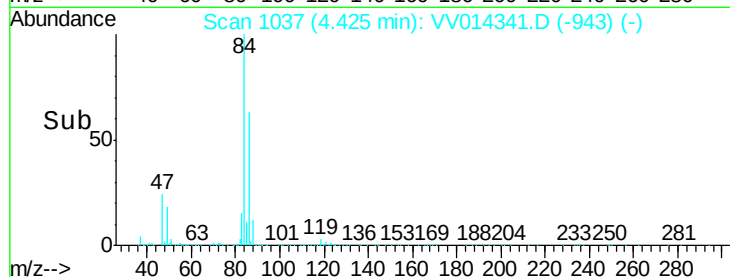
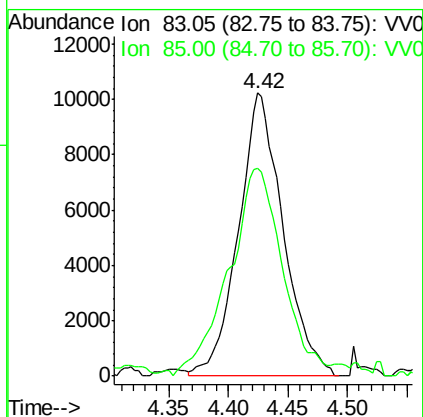
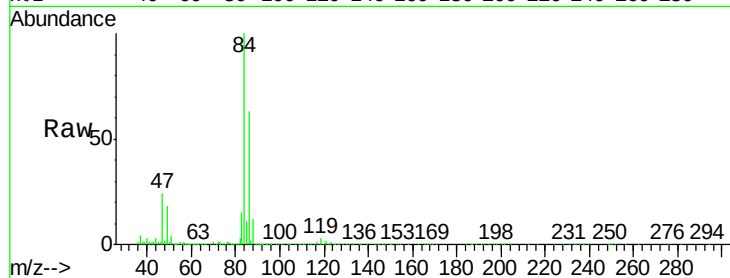
#25  
Chloroform  
Concen: 0.266 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VV014341.D  
Acq: 17 Jan 2020 17:12

Instrument :  
MSVOA\_V  
ClientSampled :  
BF773

| Tot Ion   | 83   | Resp  | 26529 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 73.7 | 46.2  | 85.8  |

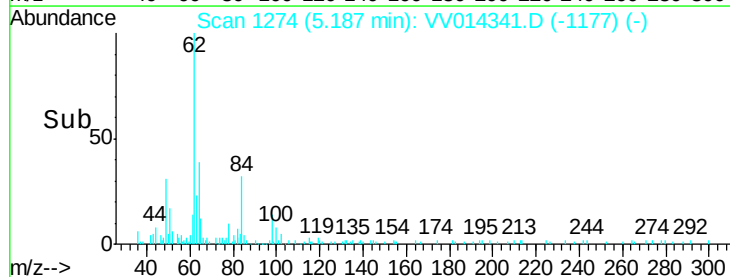
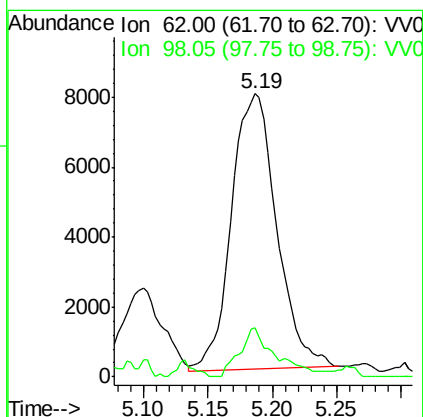
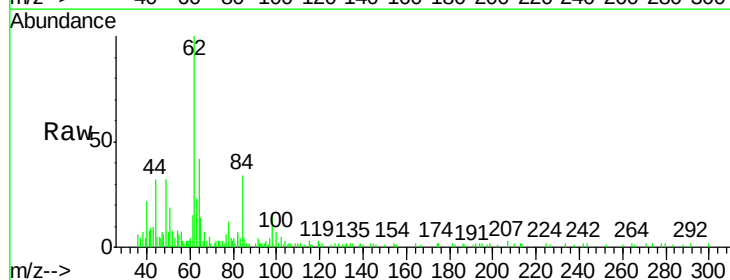
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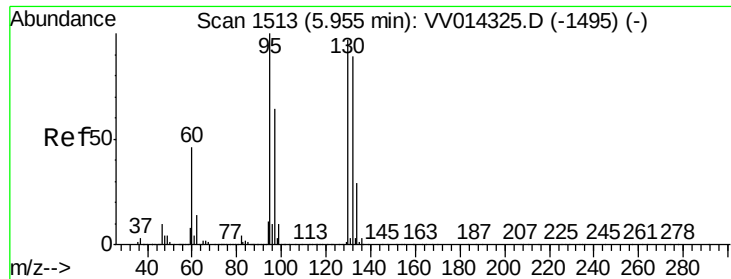
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#27  
1,2-Dichloroethane  
Concen: 0.323 ug/L  
RT: 5.19 min Scan# 1274  
Delta R.T. 0.01 min  
Lab File: VV014341.D  
Acq: 17 Jan 2020 17:12

| Tgt Ion   | 62   | Resp  | 19311 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 98        | 17.3 | 9.2   | 13.8# |





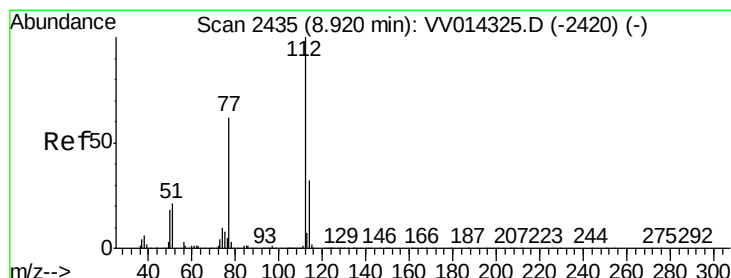
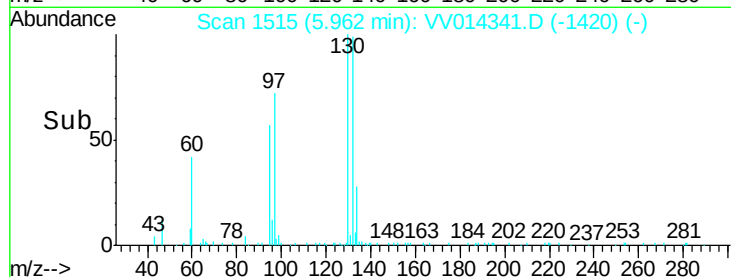
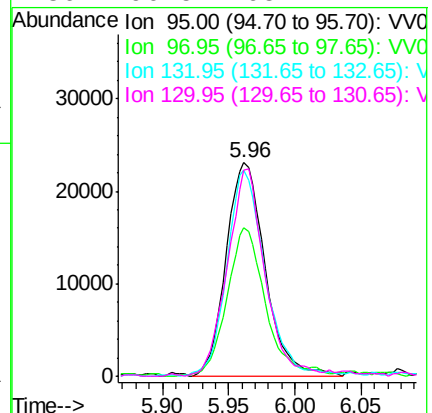
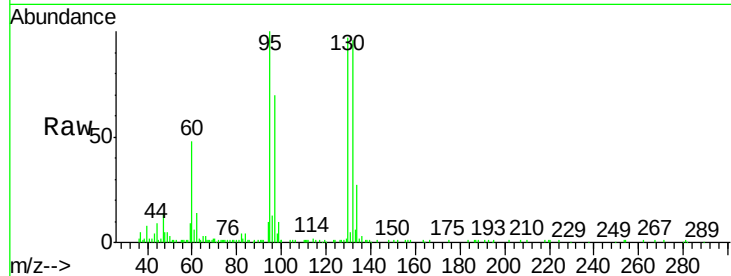
#34  
 Trichloroethene  
 Concen: 0.821 ug/L  
 RT: 5.96 min Scan# 1515  
 Delta R.T. 0.01 min  
 Lab File: VV014341.D  
 Acq: 17 Jan 2020 17:12

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF773

| Tot Ion | 95    | Resp: | 47379 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 95      | 100   |       |       |
| 97      | 69.8  | 43.8  | 81.3  |
| 132     | 96.3  | 63.4  | 117.8 |
| 130     | 96.5  | 65.7  | 122.1 |

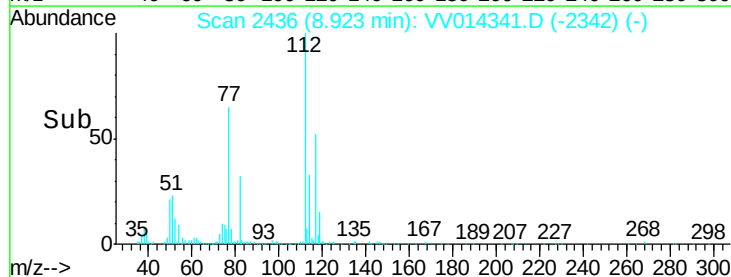
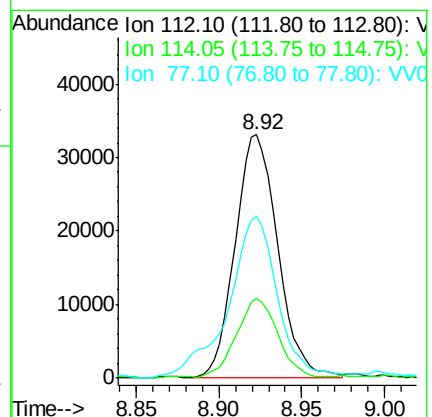
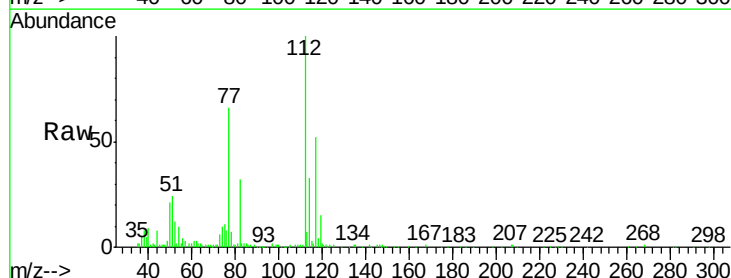
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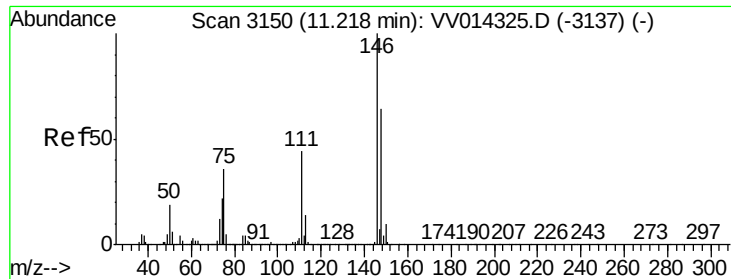
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#51  
 Chlorobenzene  
 Concen: 0.408 ug/L  
 RT: 8.92 min Scan# 2436  
 Delta R.T. 0.00 min  
 Lab File: VV014341.D  
 Acq: 17 Jan 2020 17:12

| Tgt Ion | 112   | Resp: | 59445 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 112     | 100   |       |       |
| 114     | 32.8  | 22.5  | 41.7  |
| 77      | 66.2  | 49.3  | 73.9  |





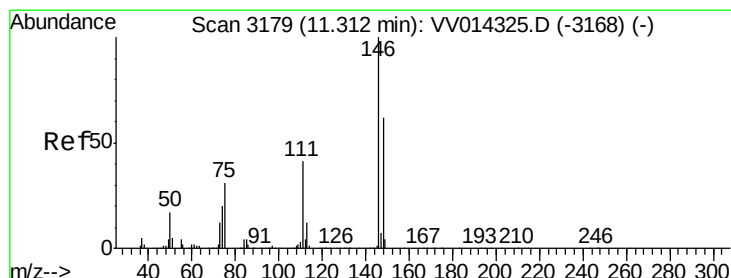
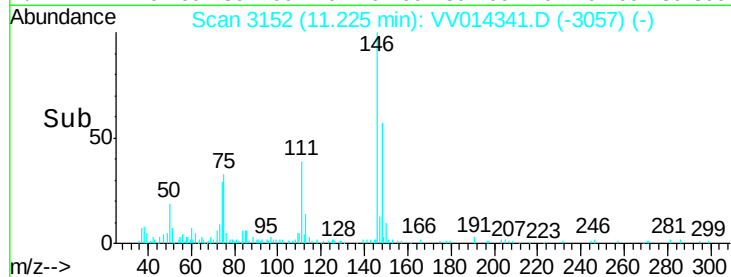
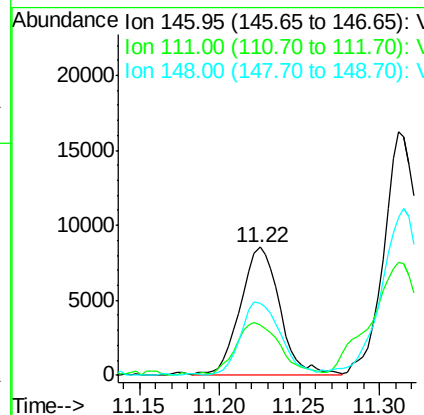
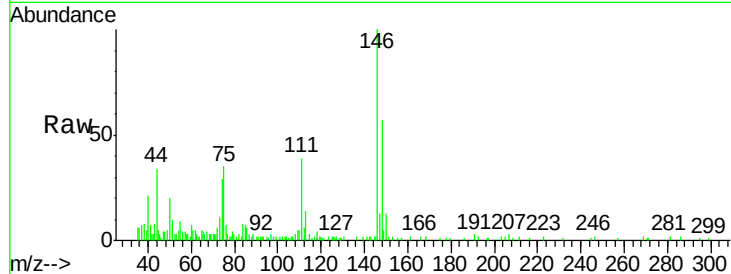
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 1,3-Dichlorobenzene  
 Concen: 0.137 ug/L  
 RT: 11.22 min Scan# 3152  
 Delta R.T. 0.01 min  
 Lab File: VV014341.D  
 Acq: 17 Jan 2020 17:12

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BF773

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 30.7  | 57.1  |
| 148     | 56.7  | 44.4  | 82.5  |

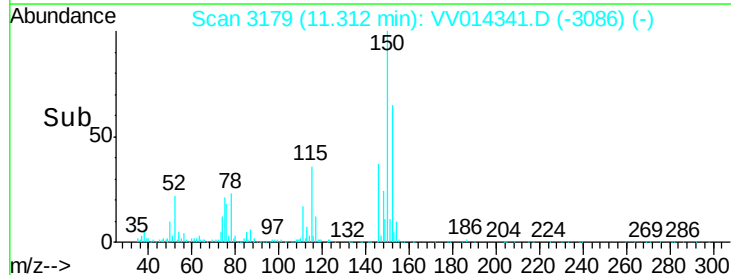
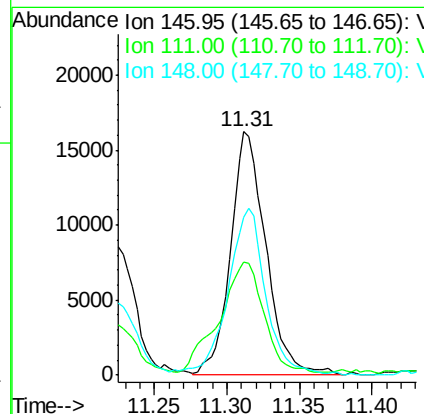
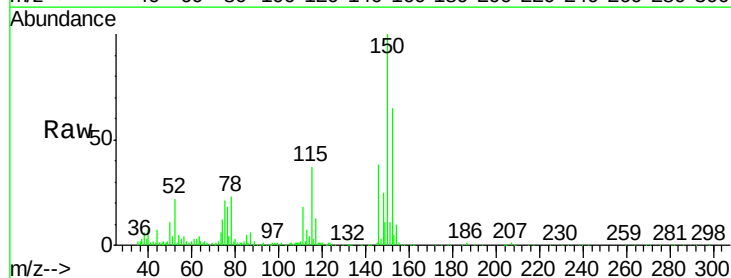
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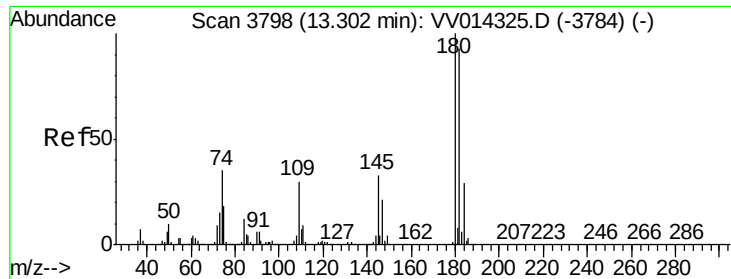
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#63  
 1,4-Dichlorobenzene  
 Concen: 0.262 ug/L  
 RT: 11.31 min Scan# 3179  
 Delta R.T. 0.00 min  
 Lab File: VV014341.D  
 Acq: 17 Jan 2020 17:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.5  | 28.8  | 53.4  |
| 148     | 64.9  | 44.5  | 82.7  |





#68  
 1,2,4-trichlorobenzene  
 Concen: 0.636 ug/L  
 RT: 13.31 min Scan# 3799  
 Delta R.T. 0.00 min  
 Lab File: VV014341.D  
 Acq: 17 Jan 2020 17:12

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF773

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.5  | 75.2  | 112.8 |
| 145     | 34.6  | 26.2  | 39.4  |

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