

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\  
 Data File : VV015574.D  
 Acq On : 20 Apr 2020 11:48  
 Operator : SY/MD  
 Sample : L2333-13  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AC5

Manual Integrations  
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apatel  
 4/21/2020 10:42:30 AM

Quant Time: Apr 21 00:29:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Apr 21 00:05:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 87172    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 81254    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 38542    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 20658    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 21124    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.40% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 34379    | 3.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.20%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 78032    | 61.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.88% |
| 24) Chloroform-d               | 4.38   | 84    | 51888    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 30045    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.40% |
| 32) Benzene-d6                 | 5.08   | 84    | 95627    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.00% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 31254    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.40% |
| 41) Toluene-d8                 | 7.34   | 98    | 79797    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 8241     | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 67.40%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 55583    | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 23258    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 31258    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

## Target Compounds

| Target Compounds           | R.T. | QIon | Response | Conc  | Units | Ovalue |
|----------------------------|------|------|----------|-------|-------|--------|
| 12) 1,1-Dichloroethene     | 2.13 | 96   | 7704     | 1.408 | ug/L  | # 45   |
| 13) Acetone                | 2.24 | 43   | 3071m    | 3.423 | ug/L  |        |
| 22) cis-1,2-Dichloroethene | 3.94 | 96   | 4005     | 0.626 | ug/L  | 98     |
| 25) Chloroform             | 4.41 | 83   | 7474     | 0.628 | ug/L  | 100    |
| 29) 1,1,1-Trichloroethane  | 4.63 | 97   | 1325     | 0.126 | ug/L  | 92     |
| 34) Trichloroethene        | 5.94 | 95   | 28172    | 4.304 | ug/L  | 95     |
| 47) Tetrachloroethene      | 8.00 | 164  | 10267    | 2.117 | ug/L  | 97     |

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

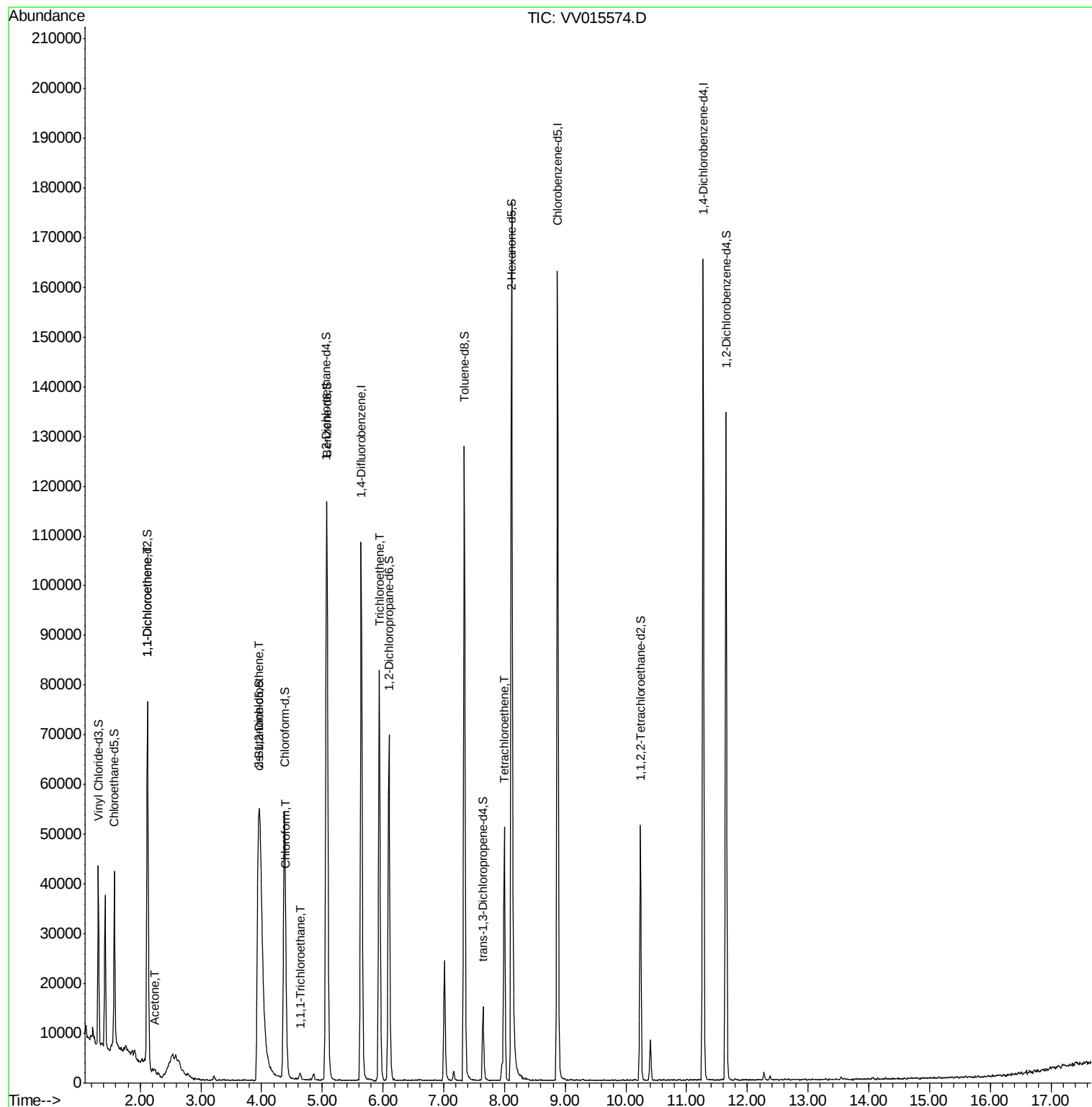
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042020\  
Data File : VV015574.D  
Acq On : 20 Apr 2020 11:48  
Operator : SY/MD  
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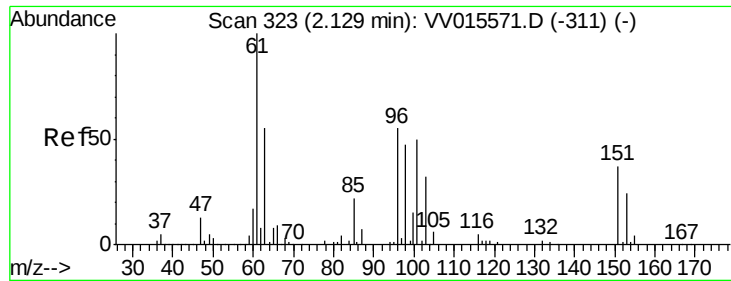
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AC5

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Quant Time: Apr 21 00:29:23 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Apr 21 00:05:52 2020  
Response via : Initial Calibration





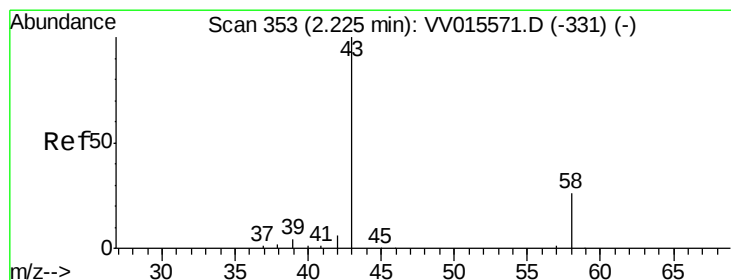
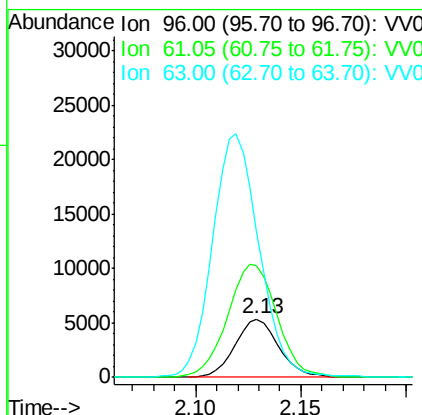
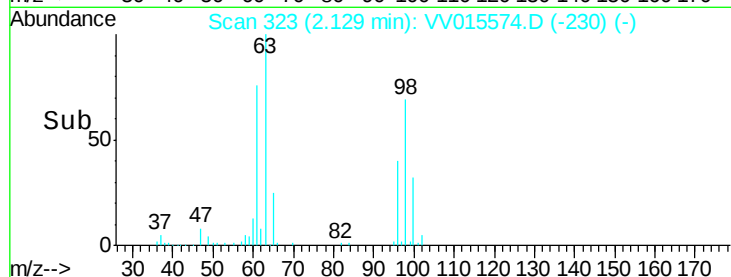
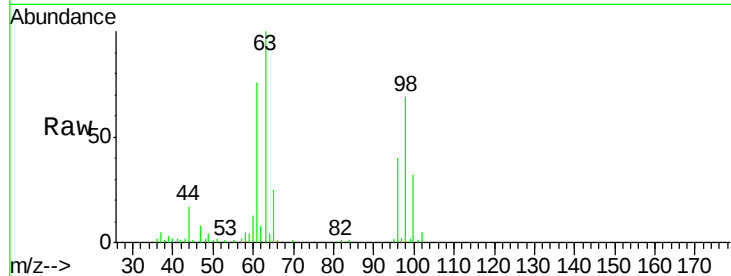
#12  
 1,1-Dichloroethene  
 Concen: 1.408 ug/L  
 RT: 2.13 min Scan# 323  
 Delta R.T. 0.00 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0AC5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 191.0 | 127.7 | 237.1 |
| 63      | 251.6 | 75.1  | 139.5 |

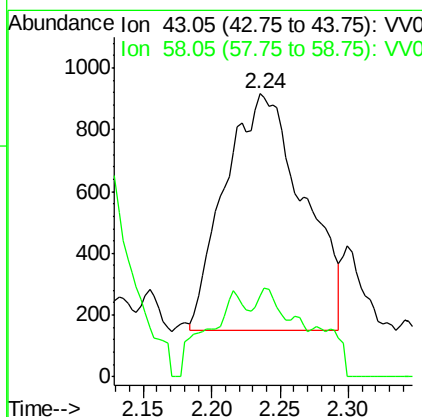
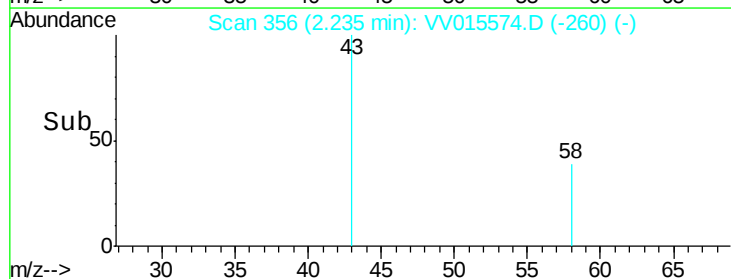
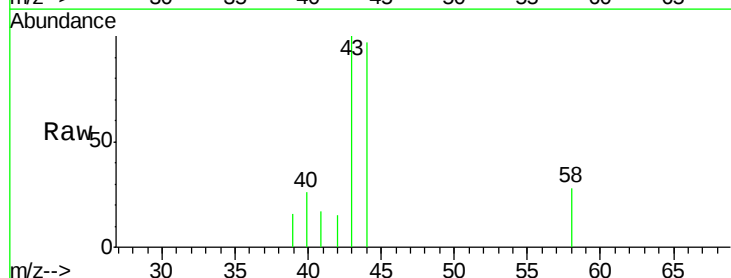
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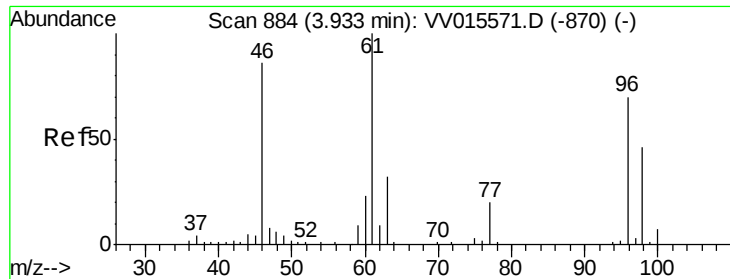
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#13  
 Acetone  
 Concen: 3.423 ug/L m  
 RT: 2.24 min Scan# 356  
 Delta R.T. 0.01 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 3.8   | 0.0   | 22.2  |





#22

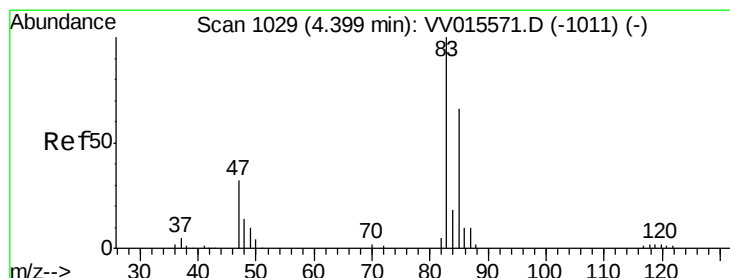
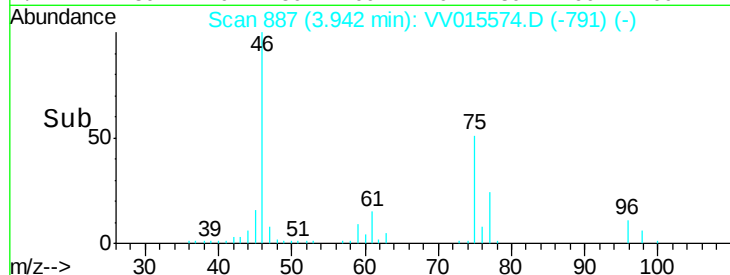
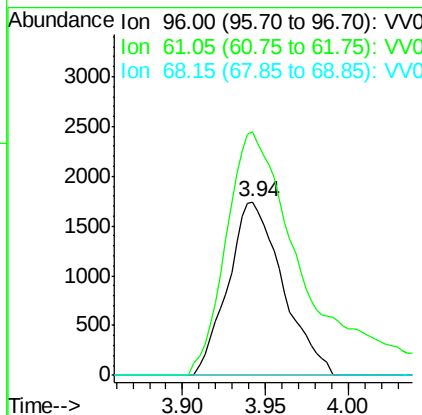
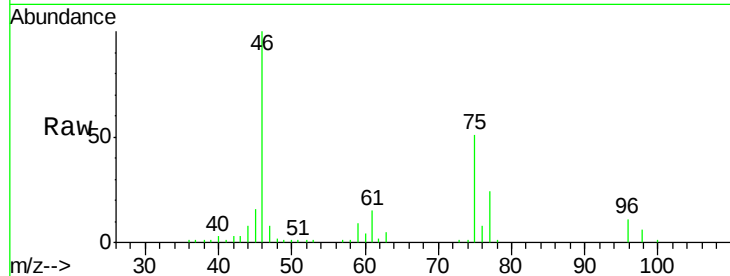
cis-1,2-Dichloroethene  
Concen: 0.626 ug/L  
RT: 3.94 min Scan# 887  
Delta R.T. 0.01 min  
Lab File: VV015574.D  
Acq: 20 Apr 2020 11:48

Instrument :  
MSVOA\_V  
ClientSampled :  
C0AC5

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 140.4 | 100.0 | 185.8 |       |
| 68      | 0.0   | 0.0   | 0.0   |       |

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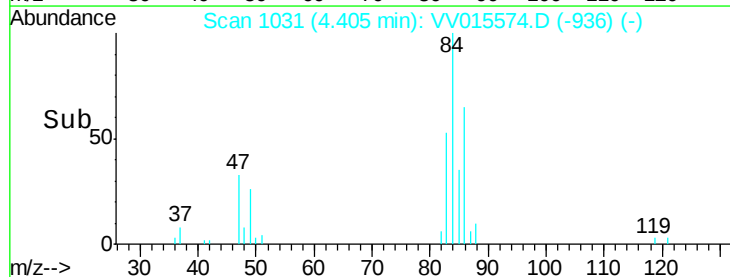
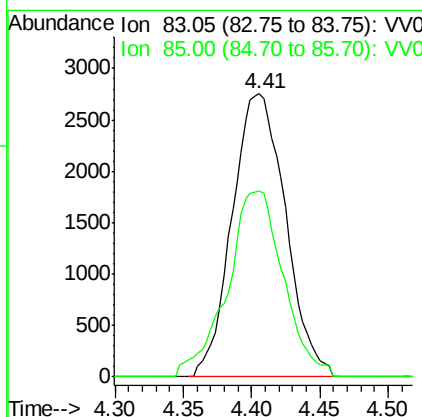
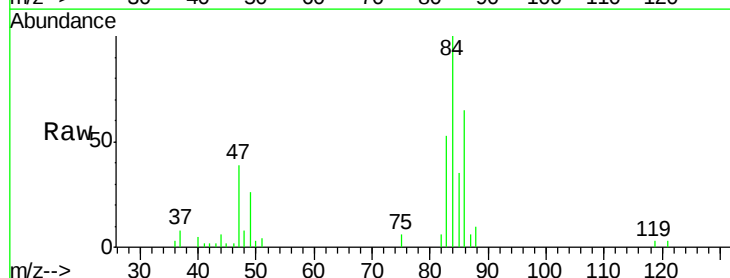
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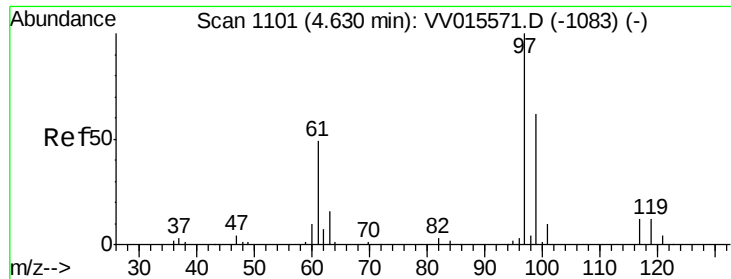


#25

Chloroform  
Concen: 0.628 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: VV015574.D  
Acq: 20 Apr 2020 11:48

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 83      | 100  |       |       |       |
| 85      | 66.0 | 45.9  | 85.3  |       |





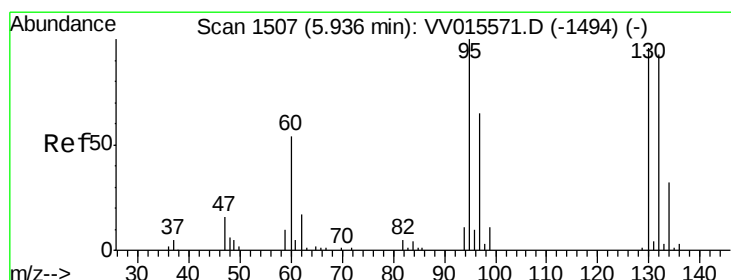
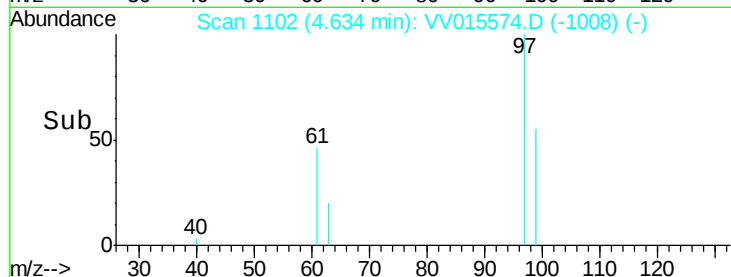
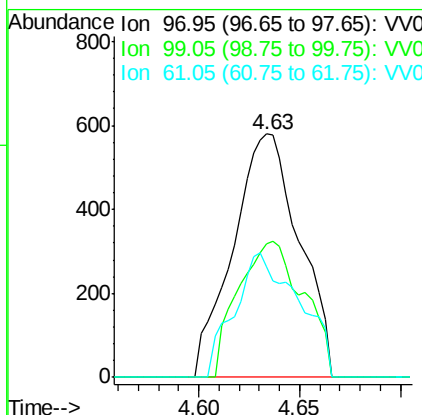
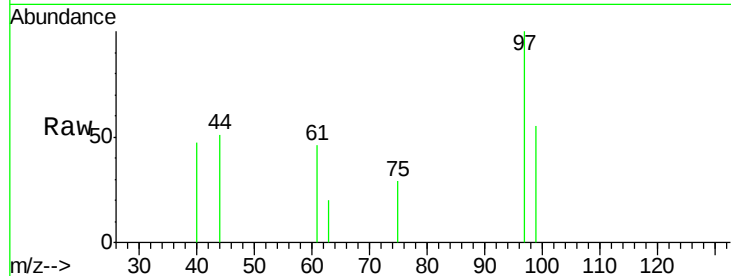
#29  
1,1,1-Trichloroethane  
Concen: 0.126 ug/L  
RT: 4.63 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: VV015574.D  
Acq: 20 Apr 2020 11:48

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AC5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 55.1  | 51.6  | 77.4  |
| 61      | 49.9  | 39.0  | 58.6  |

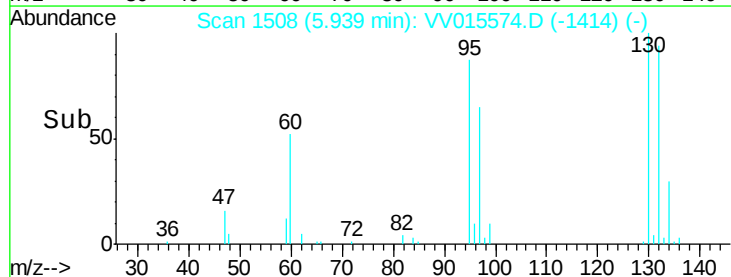
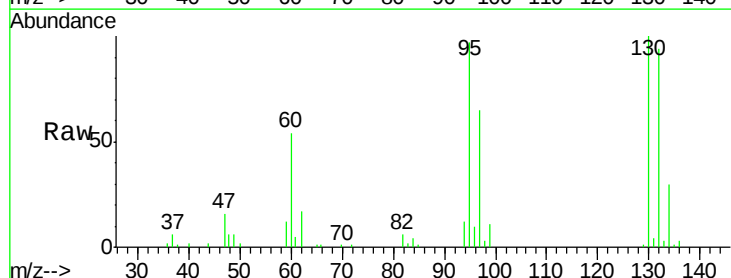
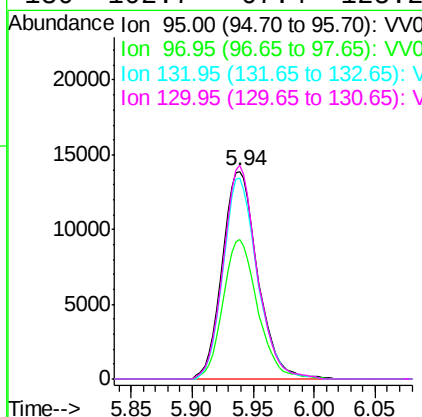
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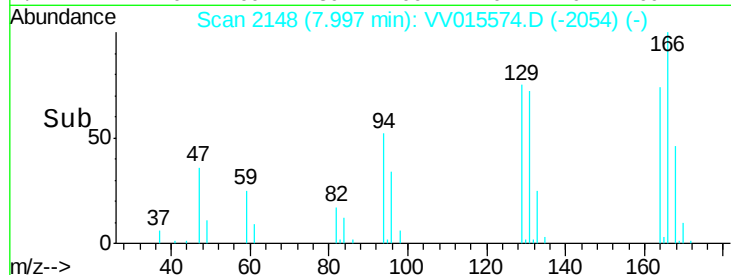
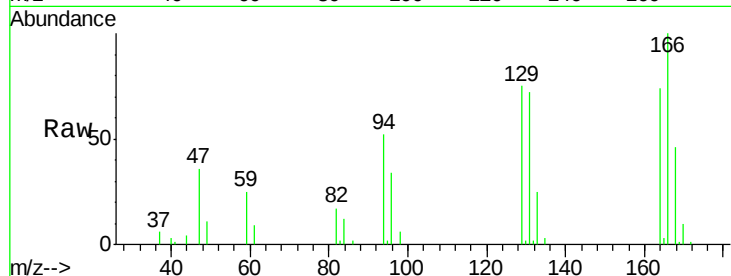
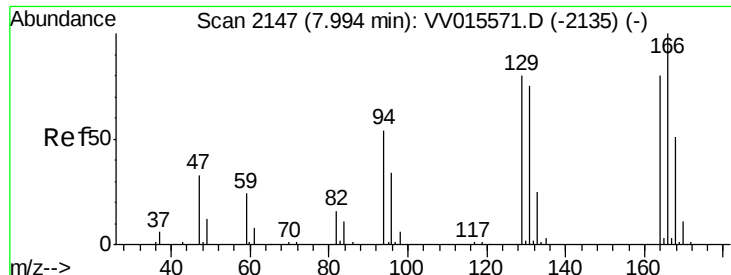
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#34  
Trichloroethene  
Concen: 4.304 ug/L  
RT: 5.94 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VV015574.D  
Acq: 20 Apr 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 66.9  | 45.4  | 84.4  |
| 132     | 96.6  | 64.8  | 120.4 |
| 130     | 102.7 | 67.4  | 125.2 |





#47

Tetrachloroethene

Concen: 2.117 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015574.D

Acq: 20 Apr 2020 11:48

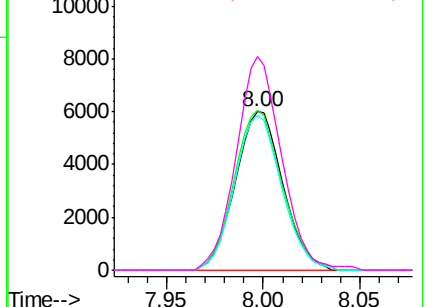
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 10267 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 129       | 101.3 | 70.6  | 131.0 |
| 131       | 97.7  | 68.3  | 126.8 |
| 166       | 134.7 | 88.3  | 163.9 |

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Instrument :  
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