

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\  
 Data File : VV017271.D  
 Acq On : 30 Jun 2020 19:34  
 Operator : SY/MD  
 Sample : L3168-09  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AJ5

Manual Integrations  
 APPROVED

MMDadoda  
 7/1/2020 4:20:20 PM

Quant Time: Jul 01 07:17:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 01 06:00:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 164676   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 166640   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 81238    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 45193    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 39008    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 69758    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.20%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 128757   | 51.12    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.24% |
| 24) Chloroform-d               | 4.38   | 84    | 107173   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.40% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 58998    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.20% |
| 32) Benzene-d6                 | 5.08   | 84    | 197867   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 57744    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.20%  |
| 41) Toluene-d8                 | 7.34   | 98    | 175208   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 24031    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.20%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 111418   | 54.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.50% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 44841    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 74605    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.40%  |

| Target Compounds          |      |     |           |               | Ovalue |
|---------------------------|------|-----|-----------|---------------|--------|
| 25) Chloroform            | 4.40 | 83  | 11768     | 0.573 ug/L    | 97     |
| 29) 1,1,1-Trichloroethane | 4.64 | 97  | 3270      | 0.164 ug/L #  | 77     |
| 34) Trichloroethene       | 5.94 | 95  | 59589     | 4.663 ug/L    | 95     |
| 49) Tetrachloroethene     | 8.02 | 164 | 38412751m | 3734.685 ug/L |        |
| 53) Chlorobenzene         | 8.90 | 112 | 5687      | 0.180 ug/L #  | 85     |

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

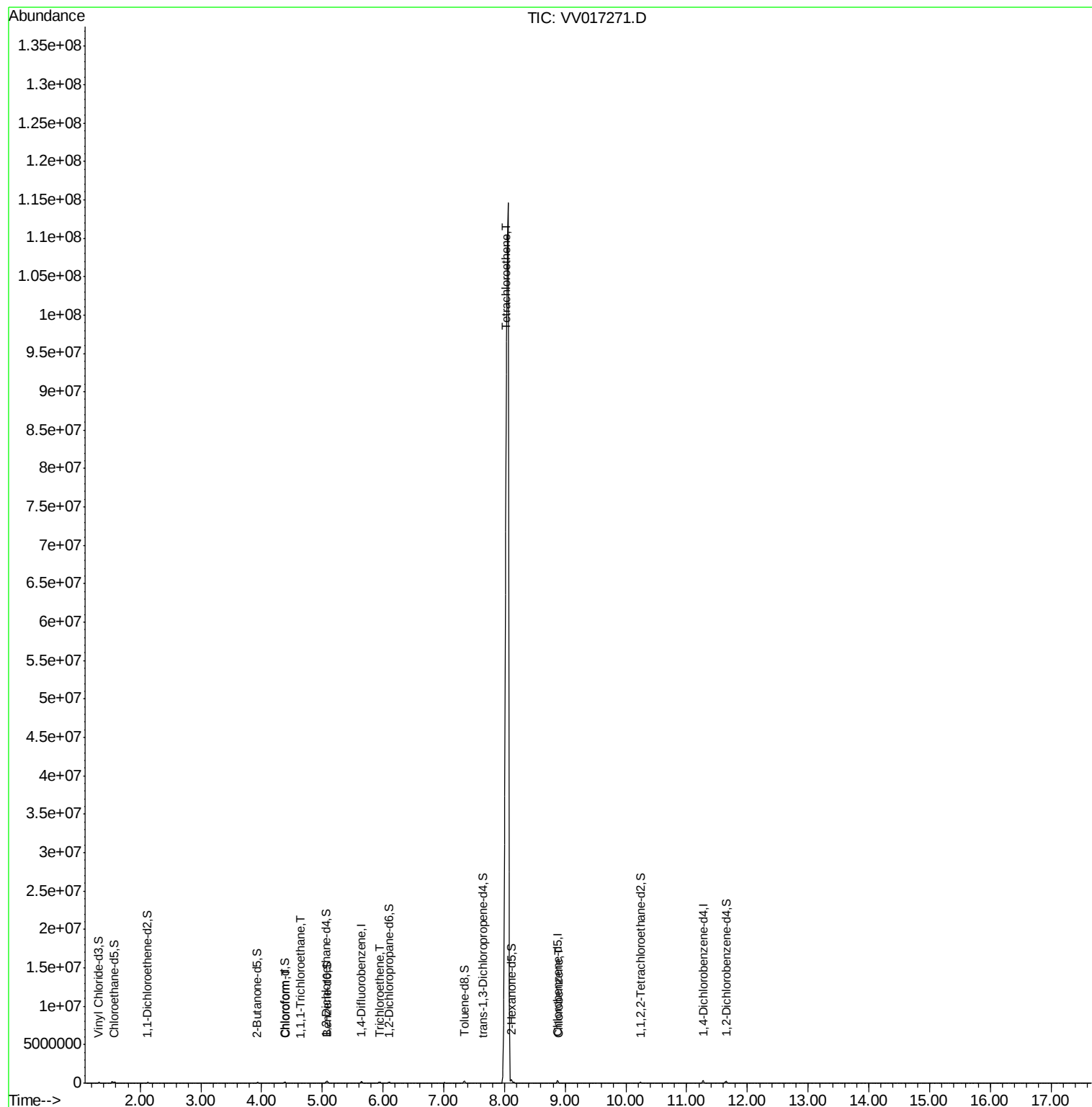
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\  
Data File : VV017271.D  
Acq On : 30 Jun 2020 19:34  
Operator : SY/MD  
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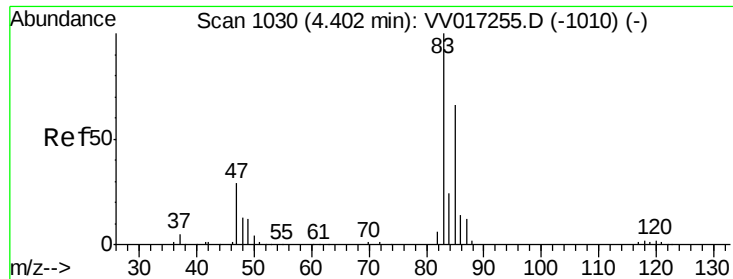
Instrument :  
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Quant Time: Jul 01 07:17:57 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 01 06:00:36 2020  
Response via : Initial Calibration





#25

Chloroform

Concen: 0.573 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017271.D

Acq: 30 Jun 2020 19:34

Instrument :

MSVOA\_V

ClientSampled :

C0AJ5

Tot Ion: 83 Resp: 11768

Ion Ratio Lower Upper

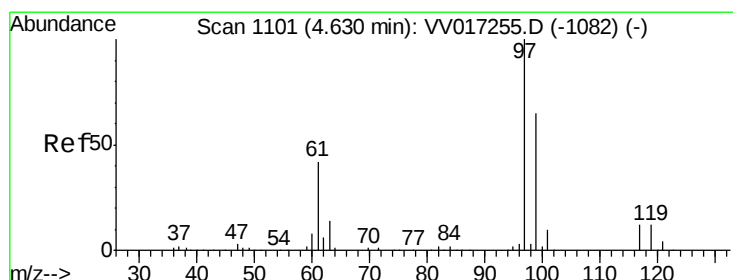
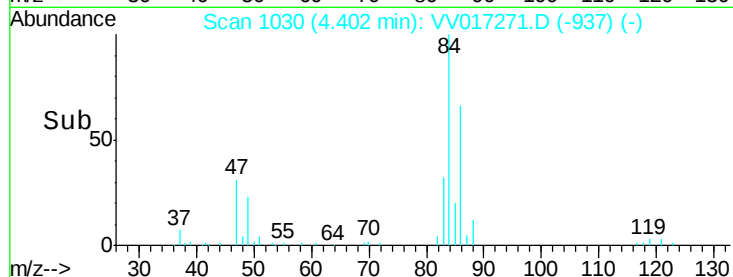
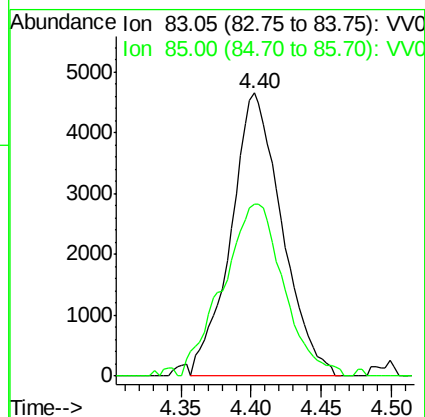
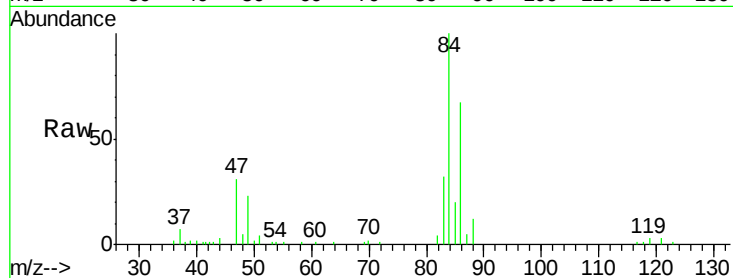
83 100

85 60.9 44.2 82.2

Manual Integrations  
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#29

1,1,1-Trichloroethane

Concen: 0.164 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV017271.D

Acq: 30 Jun 2020 19:34

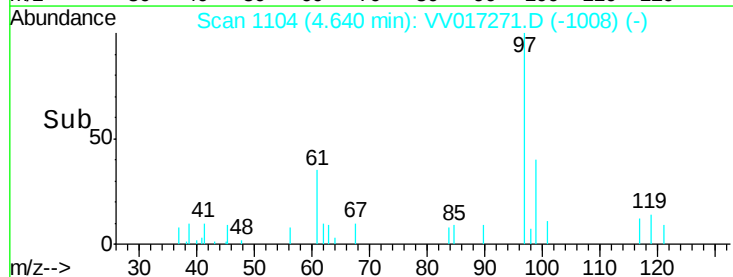
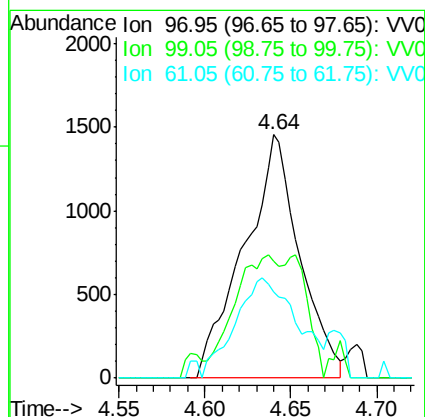
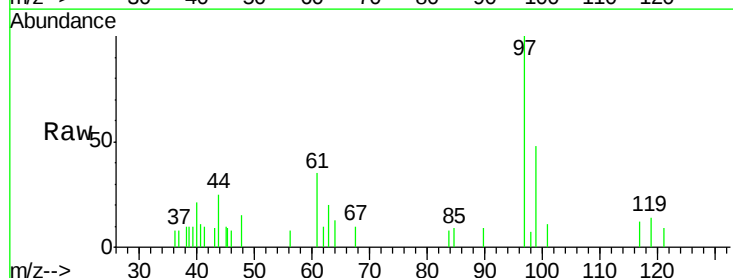
Tgt Ion: 97 Resp: 3270

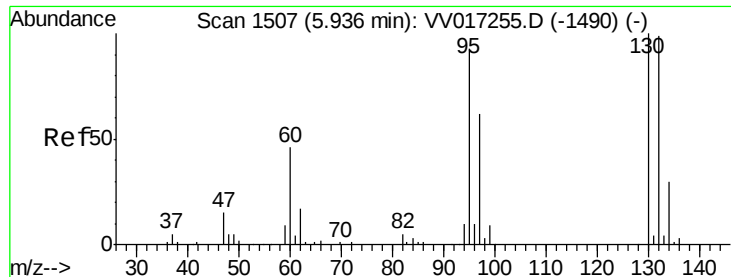
Ion Ratio Lower Upper

97 100

99 32.5 50.3 75.5#

61 45.5 36.0 54.0





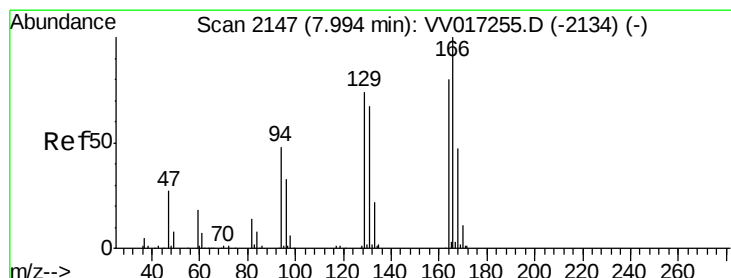
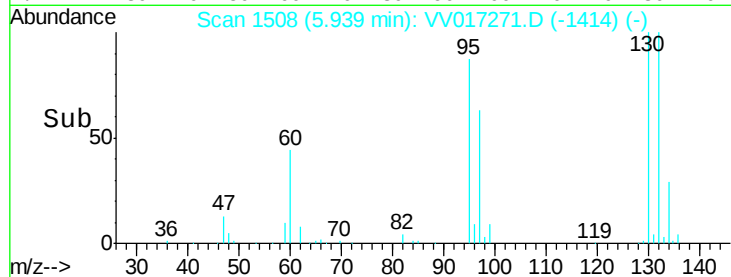
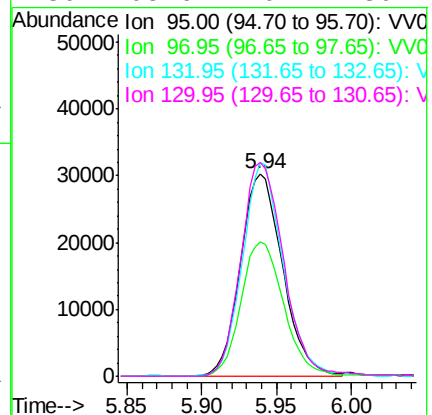
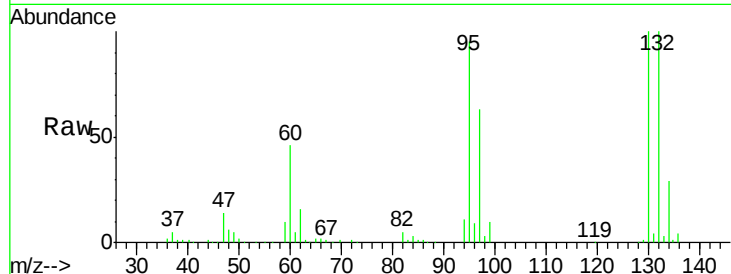
#34  
 Trichloroethene  
 Concen: 4.663 ug/L  
 RT: 5.94 min Scan# 1508  
 Delta R.T. 0.00 min  
 Lab File: VV017271.D  
 Acq: 30 Jun 2020 19:34

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0AJ5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 66.4  | 45.3  | 84.1  |
| 132     | 105.5 | 68.8  | 127.8 |
| 130     | 105.6 | 70.2  | 130.4 |

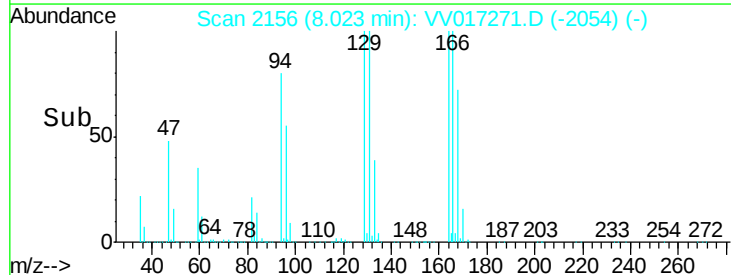
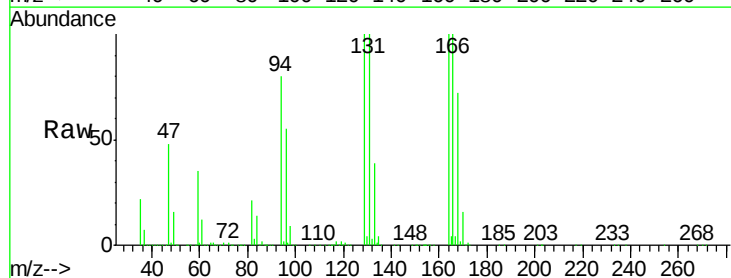
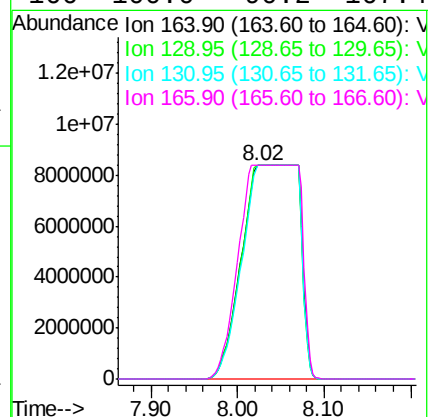
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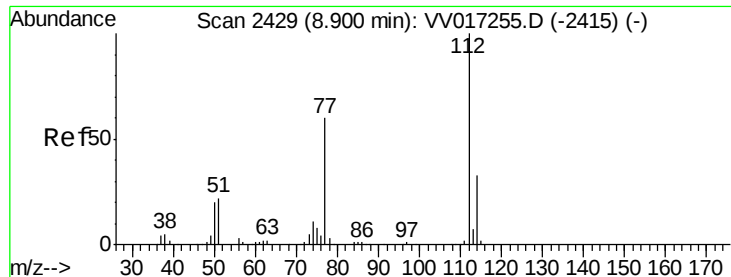
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#49  
 Tetrachloroethene  
 Concen: 3734.685 ug/L m  
 RT: 8.02 min Scan# 2156  
 Delta R.T. 0.03 min  
 Lab File: VV017271.D  
 Acq: 30 Jun 2020 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 100.0 | 65.2  | 121.0 |
| 131     | 100.0 | 64.1  | 119.1 |
| 166     | 100.0 | 90.2  | 167.4 |





#53  
 Chlorobenzene  
 Concen: 0.180 ug/L  
 RT: 8.90 min Scan# 2430  
 Delta R.T. 0.00 min  
 Lab File: VV017271.D  
 Acq: 30 Jun 2020 19:34

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AJ5

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 112   | Resp: | 5687 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 114       | 36.0  | 22.0  | 41.0 |
| 77        | 71.0  | 46.0  | 69.0 |

Manual Integrations  
 APPROVED

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