

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
 Data File : VU036634.D  
 Acq On : 30 Jan 2020 21:39  
 Operator : JC/MD  
 Sample : L1303-08ME  
 Misc : 5.35g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AF3ME

Manual Integrations  
 APPROVED

MMDadoda  
 2/3/2020 10:46:26 AM

Quant Time: Jan 31 05:43:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 31 04:01:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 303811   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.46  | 117  | 290727   | 50.00 | ug/L  | 0.02     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 152864   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 81138    | 35.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 71.32%  |
| 7) Chloroethane-d5             | 1.89    | 69    | 17975    | 9.21     | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 18.42%# |
| 11) 1,1-Dichloroethene-d2      | 2.55    | 63    | 106566   | 28.96    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.92%# |
| 21) 2-Butanone-d5              | 4.69    | 46    | 106545   | 78.88    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.88%  |
| 24) Chloroform-d               | 5.11    | 84    | 152813   | 41.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.02%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 99766    | 42.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.90%  |
| 32) Benzene-d6                 | 5.76    | 84    | 346719   | 42.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 112227   | 44.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.08%  |
| 41) Toluene-d8                 | 7.94    | 98    | 345000   | 43.85    | ug/L | 0.02    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.70%  |
| 43) trans-1,3-Dichloropropene- | 8.22    | 79    | 53717m   | 44.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.64%  |
| 47) 2-Hexanone-d5              | 0.00    | 63    | 0d       | 0.00     | ug/L |         |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 0.00%#  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 177738   | 47.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 134060   | 40.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.74%  |

## Target Compounds

|                            |      |     |           |                | Ovalue |
|----------------------------|------|-----|-----------|----------------|--------|
| 3) Chloromethane           | 1.53 | 50  | 2012      | 0.817 ug/L     | 98     |
| 13) Acetone                | 2.68 | 43  | 2367      | 1.810 ug/L     | 98     |
| 20) cis-1,2-Dichloroethene | 4.70 | 96  | 7505      | 3.255 ug/L     | 90     |
| 34) Trichloroethene        | 6.57 | 95  | 100786    | 45.048 ug/L    | 99     |
| 46) Tetrachloroethene      | 8.59 | 164 | 32218694m | 17726.585 ug/L |        |
| 51) Chlorobenzene          | 9.49 | 112 | 45044     | 7.306 ug/L     | 97     |

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

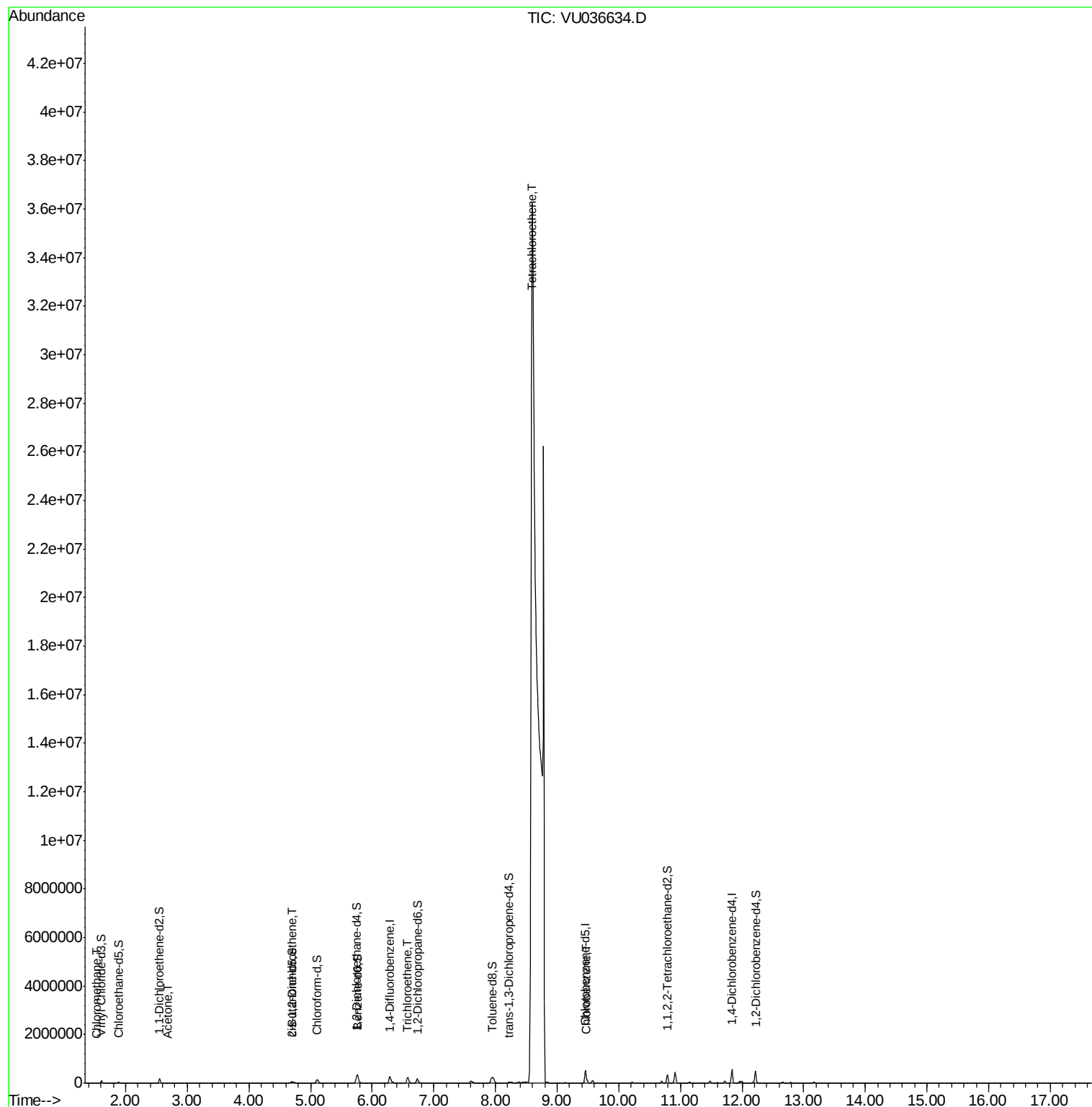
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
Data File : VU036634.D  
Acq On : 30 Jan 2020 21:39  
Operator : JC/MD  
Sample : L1303-08ME  
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ALS Vial : 29 Sample Multiplier: 1

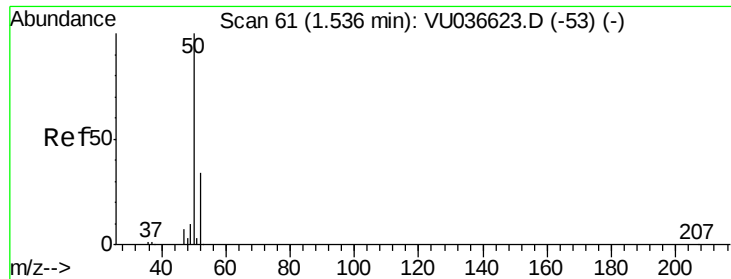
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AF3ME

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Quant Time: Jan 31 05:43:01 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 31 04:01:38 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.817 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.01 min

Lab File: VU036634.D

Acq: 30 Jan 2020 21:39

Instrument :

MSVOA\_U

ClientSampleId :

C0AF3ME

Tot Ion: 50 Resp: 2012

Ion Ratio Lower Upper

50 100

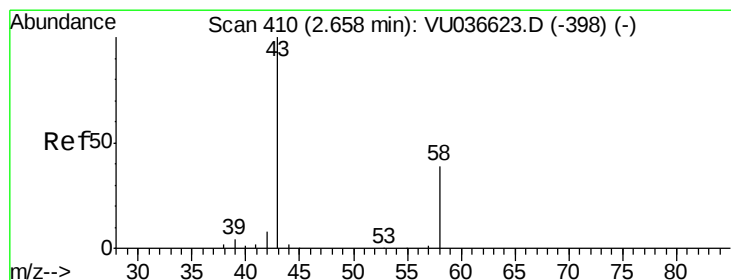
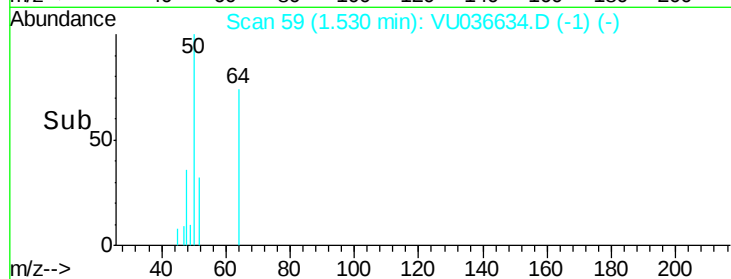
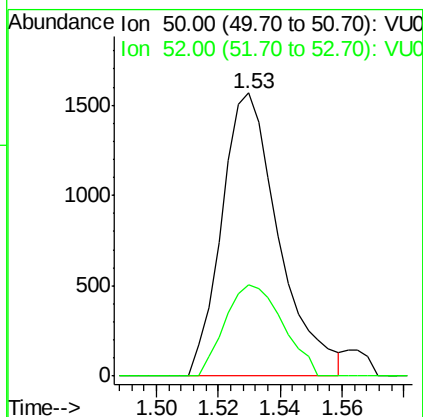
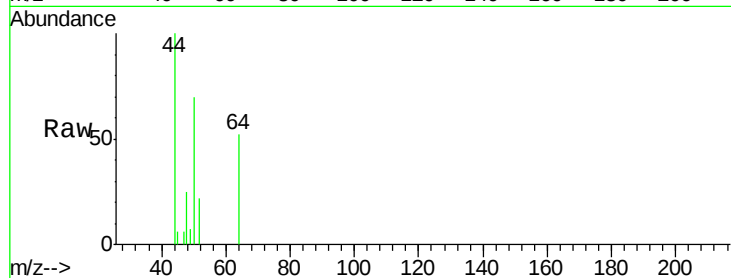
52 32.1 23.2 43.0

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#13

Acetone

Concen: 1.810 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.03 min

Lab File: VU036634.D

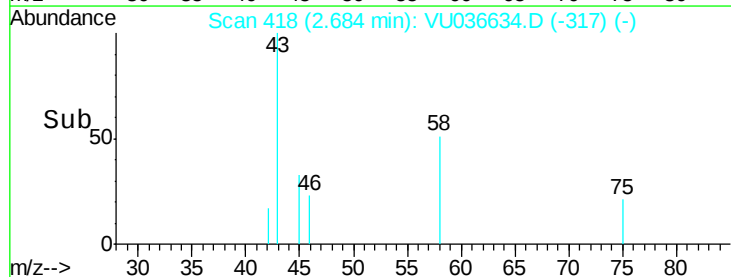
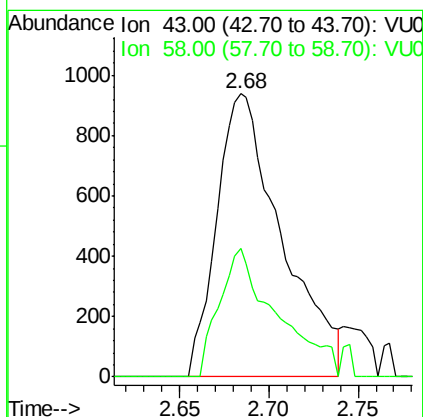
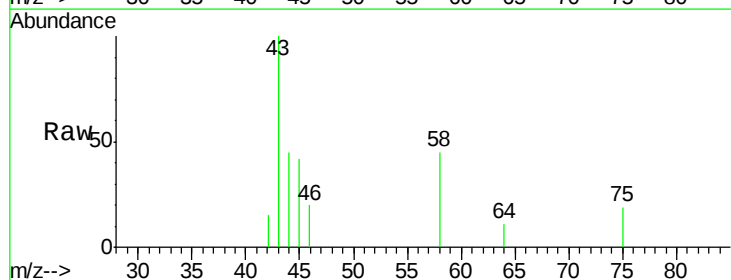
Acq: 30 Jan 2020 21:39

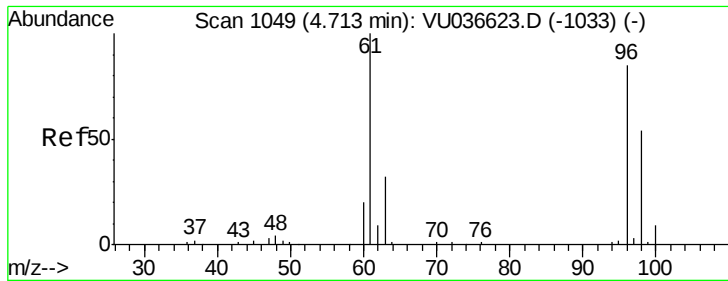
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

58 38.7 0.0 75.4





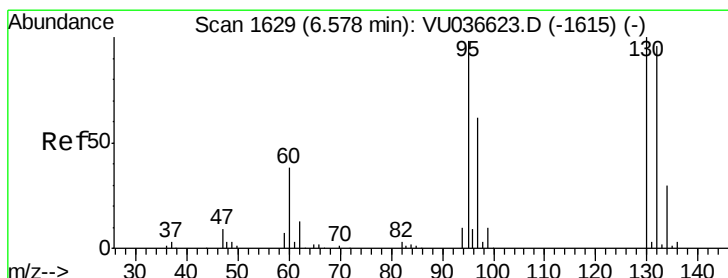
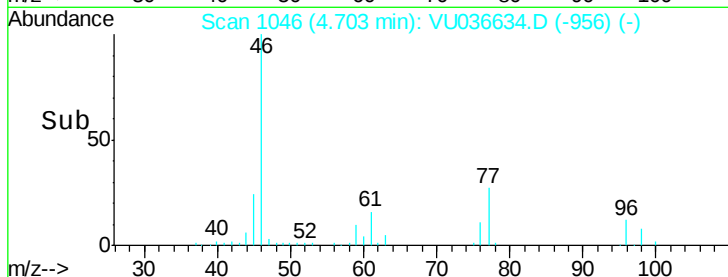
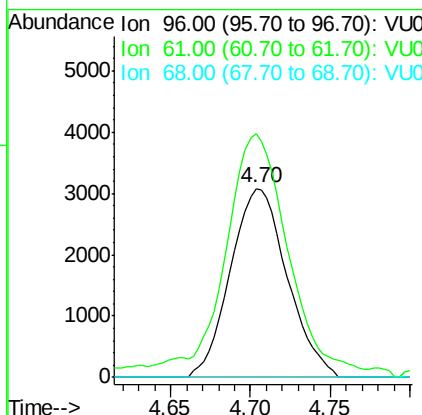
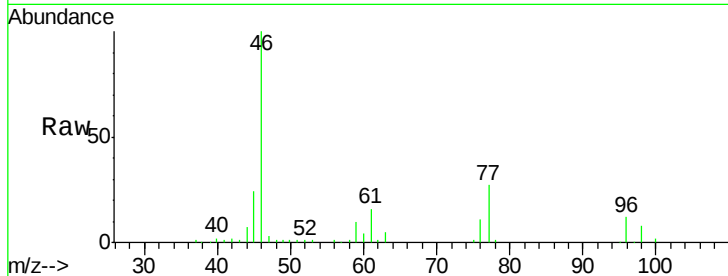
#20  
 cis-1,2-Dichloroethene  
 Concen: 3.255 ug/L  
 RT: 4.70 min Scan# 1046  
 Delta R.T. -0.01 min  
 Lab File: VU036634.D  
 Acq: 30 Jan 2020 21:39

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 C0AF3ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 128.9 | 82.2  | 152.6 |
| 68      | 0.0   | 0.0   | 0.0   |

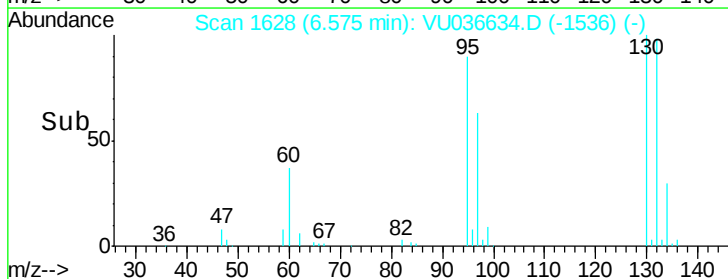
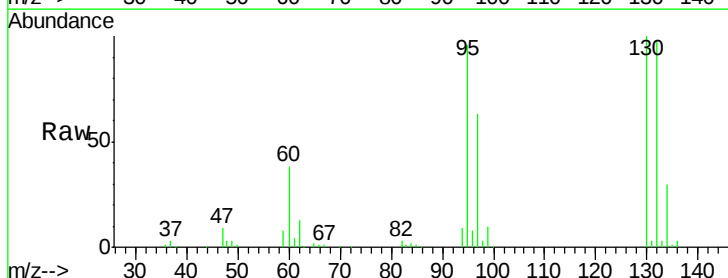
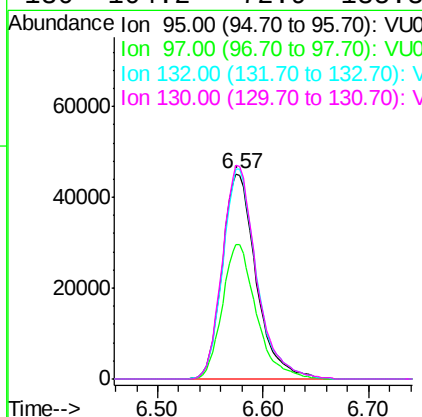
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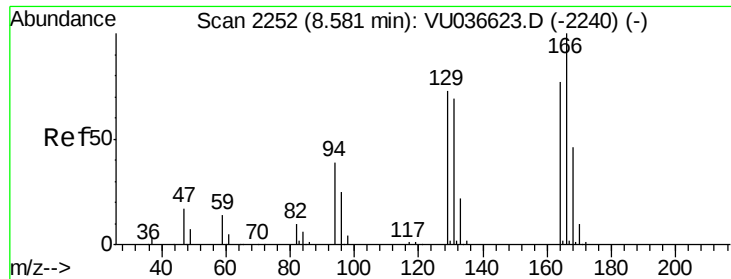
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#34  
 Trichloroethene  
 Concen: 45.048 ug/L  
 RT: 6.57 min Scan# 1628  
 Delta R.T. -0.00 min  
 Lab File: VU036634.D  
 Acq: 30 Jan 2020 21:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 65.9  | 45.5  | 84.5  |
| 132     | 102.2 | 70.9  | 131.7 |
| 130     | 104.2 | 72.9  | 135.3 |





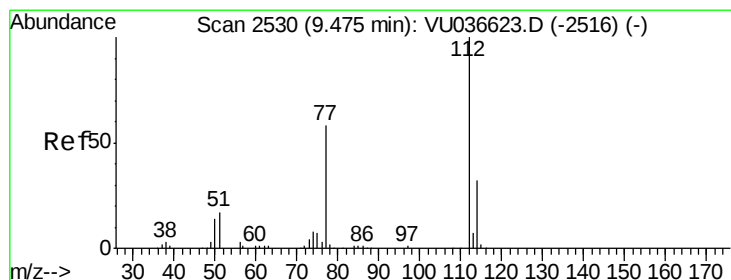
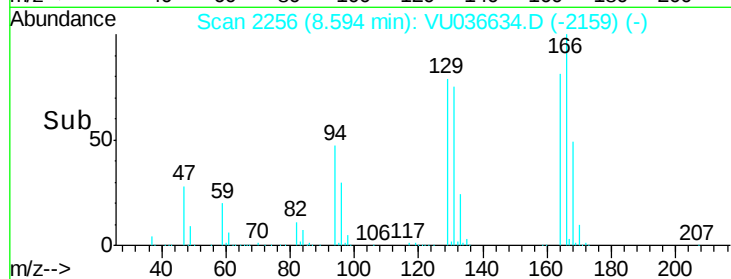
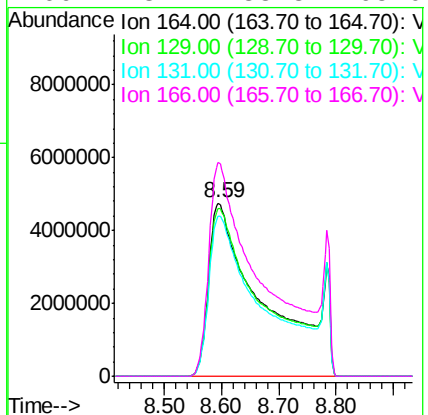
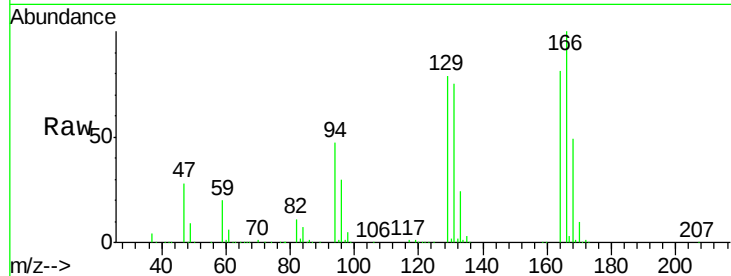
#46  
Tetrachloroethene  
Concen: 17726.585 ug/L m  
RT: 8.59 min Scan# 2256  
Delta R.T. 0.01 min  
Lab File: VU036634.D  
Acq: 30 Jan 2020 21:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AF3ME

Tot Ion:164 Resp:32218694  
Ion Ratio Lower Upper  
164 100  
129 97.0 64.2 119.2  
131 92.4 61.8 114.8  
166 123.2 88.8 165.0

Manual Integrations  
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2/3/2020 10:46:26 AM



#51  
Chlorobenzene  
Concen: 7.306 ug/L  
RT: 9.49 min Scan# 2534  
Delta R.T. 0.01 min  
Lab File: VU036634.D  
Acq: 30 Jan 2020 21:39

Tgt Ion:112 Resp: 45044  
Ion Ratio Lower Upper  
112 100  
114 32.4 22.3 41.5  
77 59.7 45.7 68.5

