

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081324\  
 Data File : VU060433.D  
 Acq On : 13 Aug 2024 18:32  
 Operator : MD/SY  
 Sample : P3501-16  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 14 01:24:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Aug 14 01:18:59 2024  
 Response via : Initial Calibration

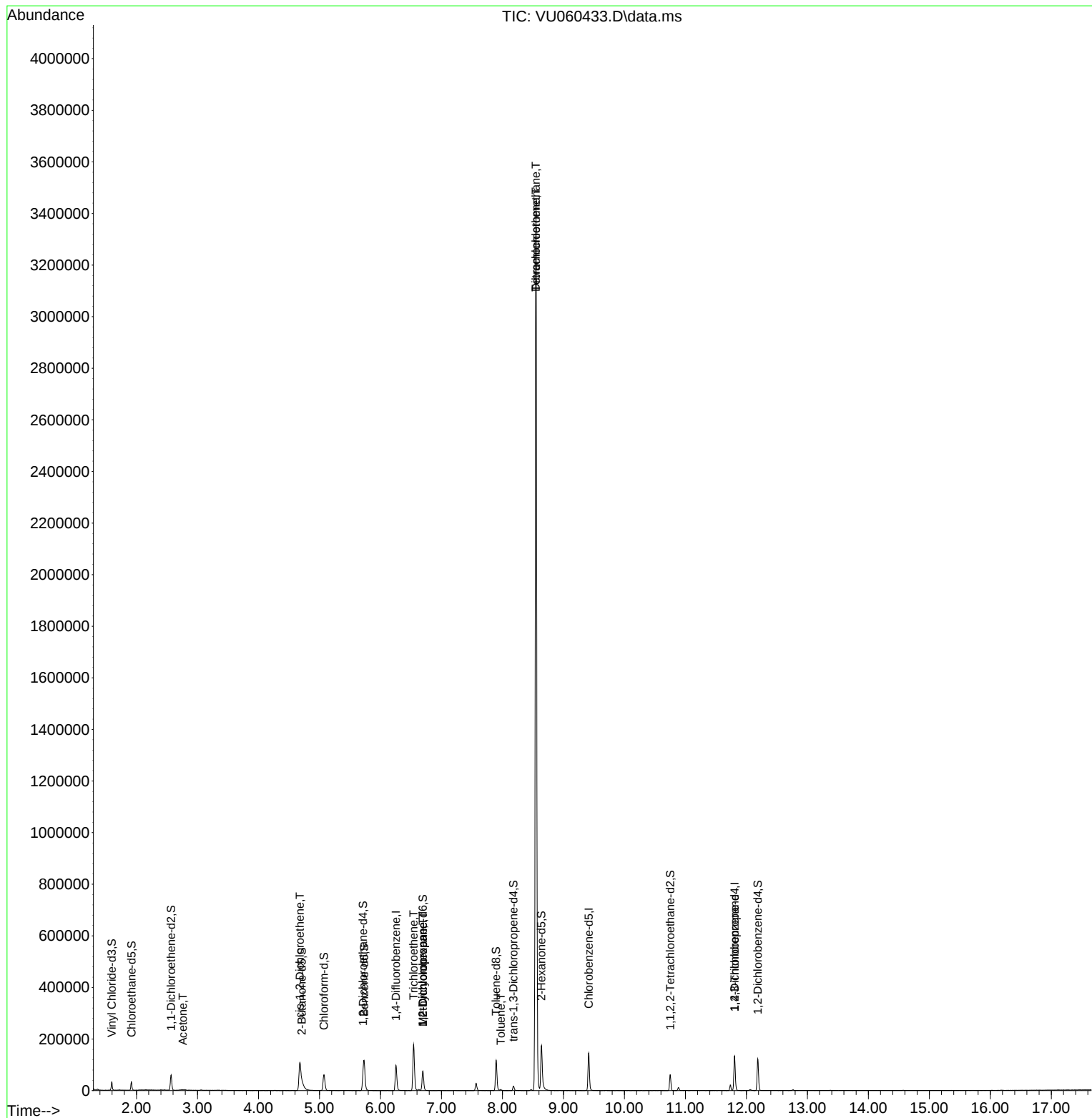
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.254  | 114   | 83148    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 86268    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 38234    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 22481    | 3.444    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.800%  |
| 7) Chloroethane-d5            | 1.917  | 69    | 23947    | 4.069    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.567  | 65    | 11619    | 4.183    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.600%  |
| 20) 2-Butanone-d5             | 4.711  | 46    | 74194    | 53.565   | ug/L   | 0.07     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.120% |
| 24) Chloroform-d              | 5.074  | 84    | 60753    | 4.701    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.714  | 65    | 30613    | 5.108    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.200% |
| 32) Benzene-d6                | 5.734  | 84    | 106513   | 4.094    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.695  | 67    | 38841    | 4.813    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.200%  |
| 41) Toluene-d8                | 7.897  | 98    | 83754    | 3.606    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 72.200%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 10679    | 4.093    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 81.800%  |
| 46) 2-Hexanone-d5             | 8.640  | 63    | 64724    | 55.903   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 111.800% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 31594    | 4.771    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 34623    | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 2.759  | 43    | 7110     | 7.517    | ug/L   | 76       |
| 22) cis-1,2-Dichloroethene    | 4.679  | 96    | 57554    | 8.864    | ug/L   | 97       |
| 34) Trichloroethene           | 6.544  | 95    | 61224    | 9.417    | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.695  | 83    | 8876     | 1.046    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.695  | 63    | 3730     | 0.552    | ug/L # | 88       |
| 42) Toluene                   | 7.971  | 91    | 3436     | 0.131    | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.550  | 164   | 767942   | 151.007  | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.550  | 129   | 748850   | 136.032  | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 3992     | 1.078    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

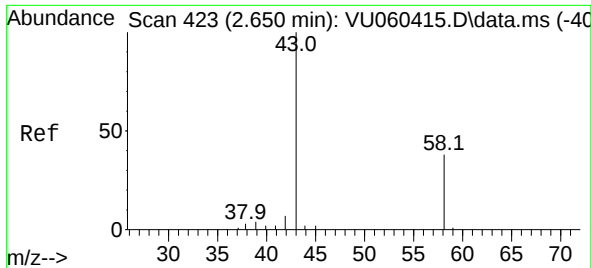
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Aug 14 01:18:59 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 7.517 ug/L

RT: 2.759 min Scan# 4

Delta R.T. 0.109 min

Lab File: VU060433.D

Acq: 13 Aug 2024 18:32

Instrument :

MSVOA\_U

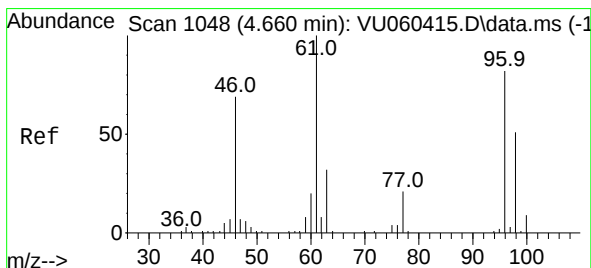
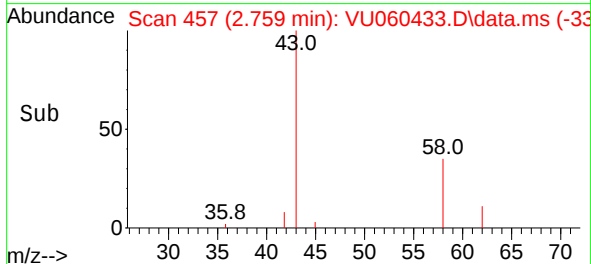
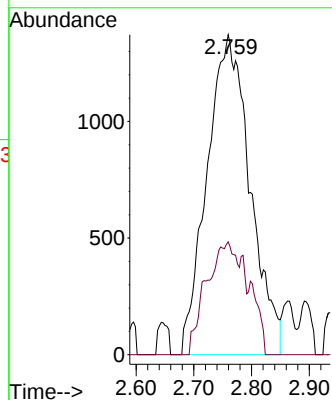
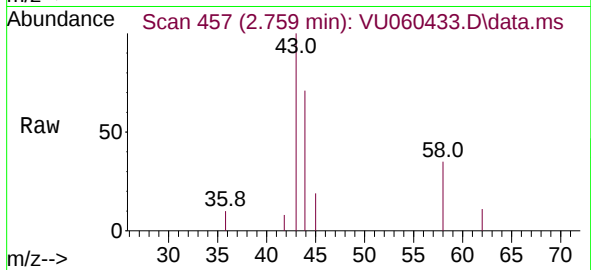
ClientSampleId :

Tgt Ion: 43 Resp: 7110

Ion Ratio Lower Upper

43 100

58 24.9 0.0 78.8



#22

cis-1,2-Dichloroethene

Concen: 8.864 ug/L

RT: 4.679 min Scan# 1054

Delta R.T. 0.019 min

Lab File: VU060433.D

Acq: 13 Aug 2024 18:32

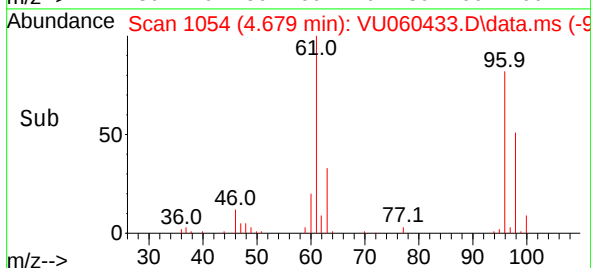
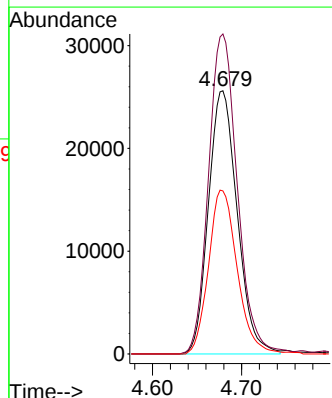
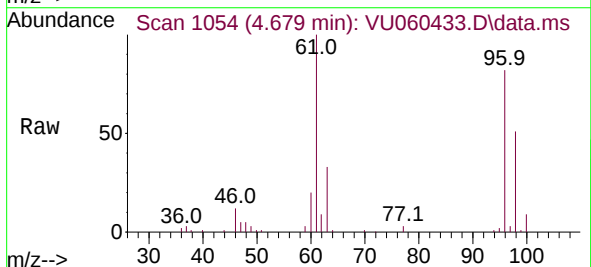
Tgt Ion: 96 Resp: 57554

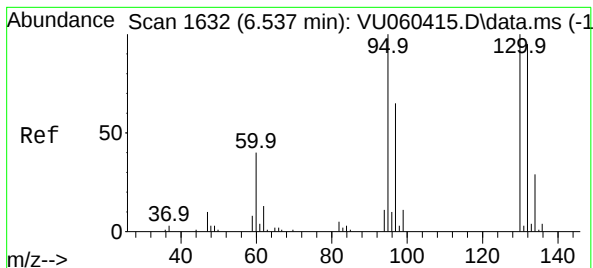
Ion Ratio Lower Upper

96 100

61 121.6 81.5 151.5

98 61.9 43.5 80.7





#34

Trichloroethene

Concen: 9.417 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU060433.D

Acq: 13 Aug 2024 18:32

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 61224

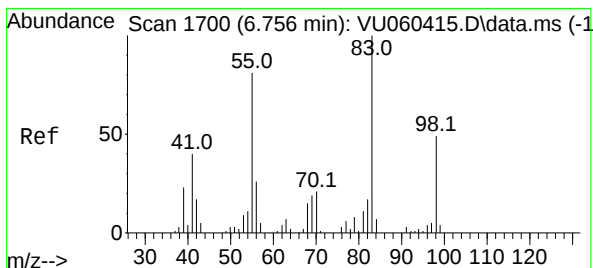
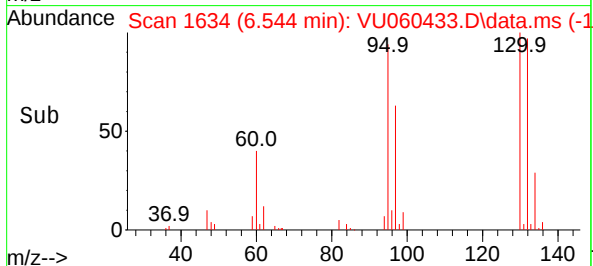
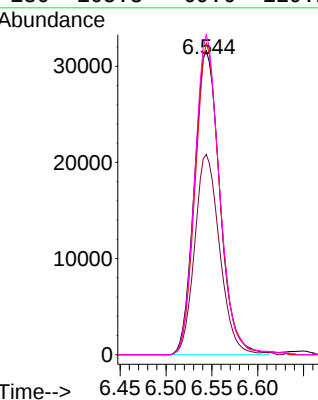
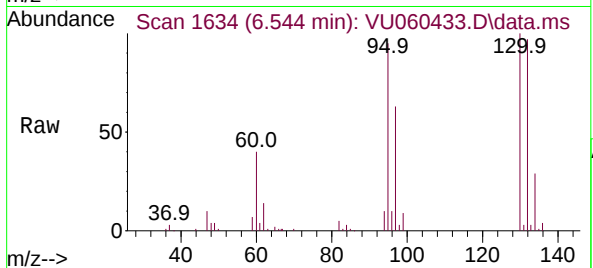
Ion Ratio Lower Upper

95 100

97 65.9 43.6 81.0

132 102.5 67.1 124.5

130 105.3 69.6 129.2



#35

Methylcyclohexane

Concen: 1.046 ug/L

RT: 6.695 min Scan# 1681

Delta R.T. -0.061 min

Lab File: VU060433.D

Acq: 13 Aug 2024 18:32

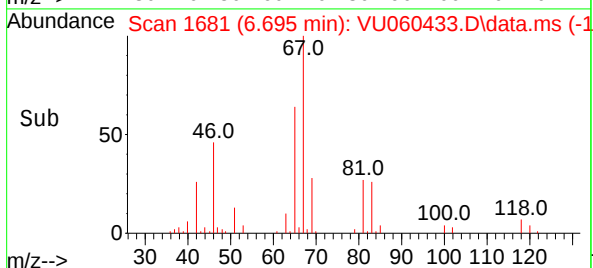
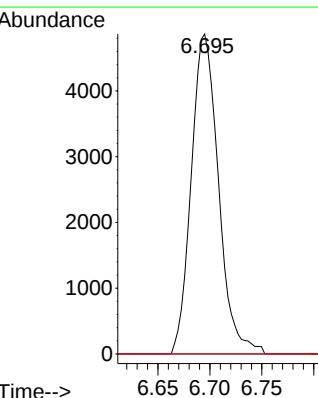
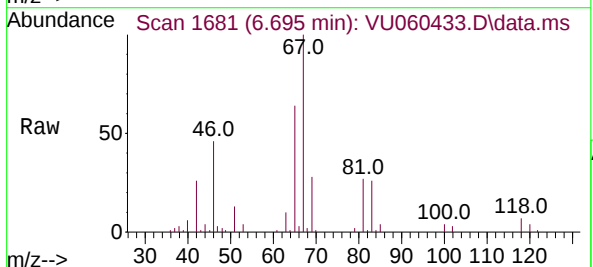
Tgt Ion: 83 Resp: 8876

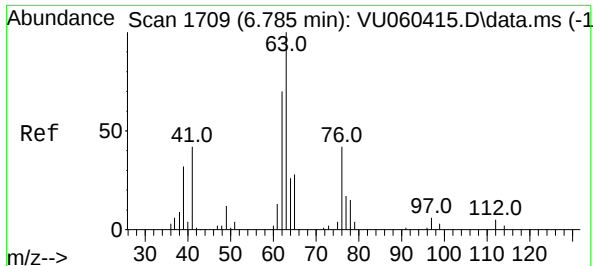
Ion Ratio Lower Upper

83 100

55 0.0 62.4 93.6#

98 0.9 37.3 55.9#

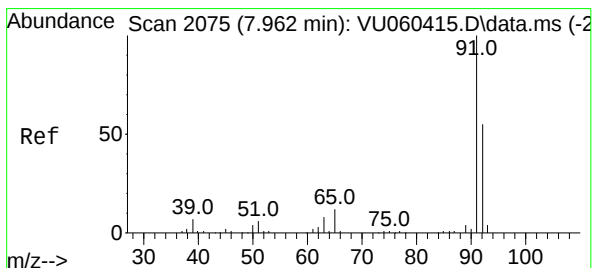
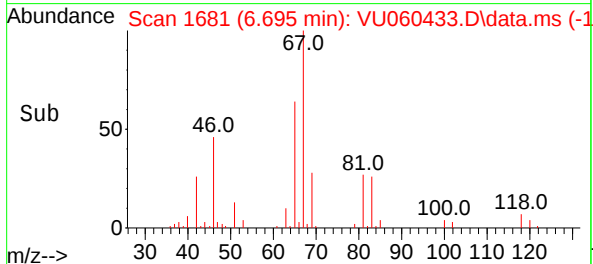
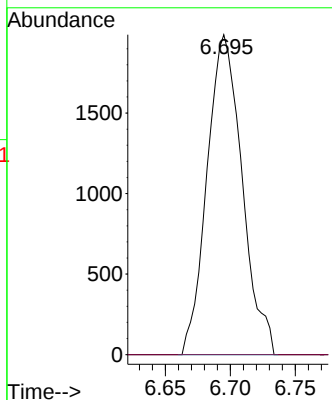
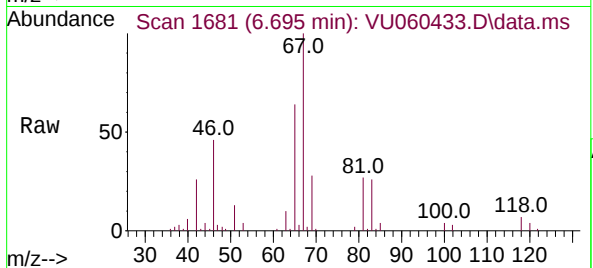




#37  
1,2-Dichloropropane  
Concen: 0.552 ug/L  
RT: 6.695 min Scan# 1  
Delta R.T. -0.090 min  
Lab File: VU060433.D  
Acq: 13 Aug 2024 18:32

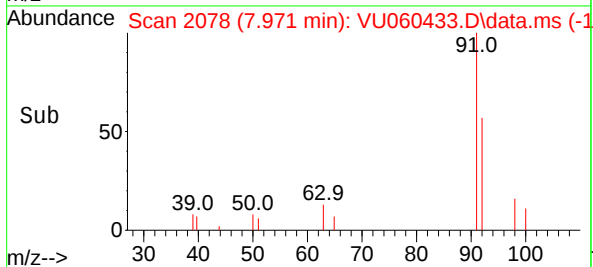
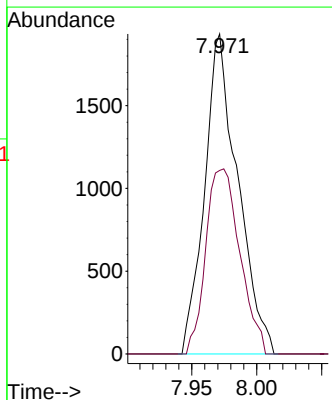
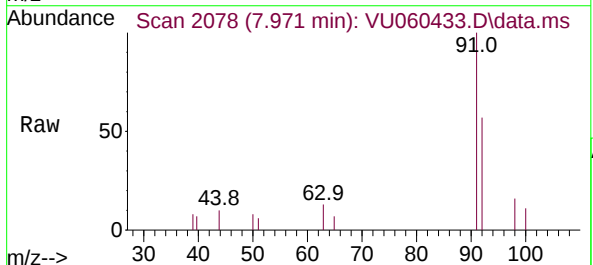
Instrument :  
MSVOA\_U  
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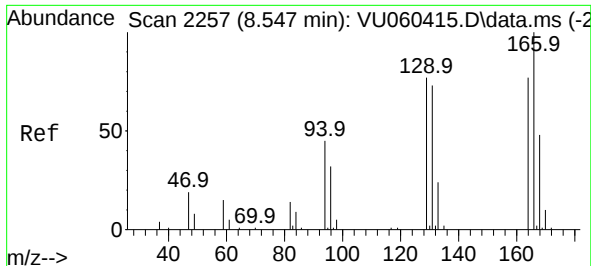
Tgt Ion: 63 Resp: 3730  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#42  
Toluene  
Concen: 0.131 ug/L  
RT: 7.971 min Scan# 2078  
Delta R.T. 0.010 min  
Lab File: VU060433.D  
Acq: 13 Aug 2024 18:32

Tgt Ion: 91 Resp: 3436  
Ion Ratio Lower Upper  
91 100  
92 57.4 40.6 75.4

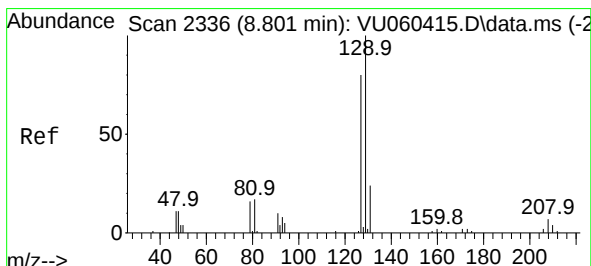
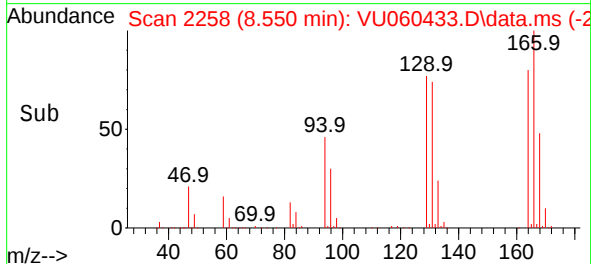
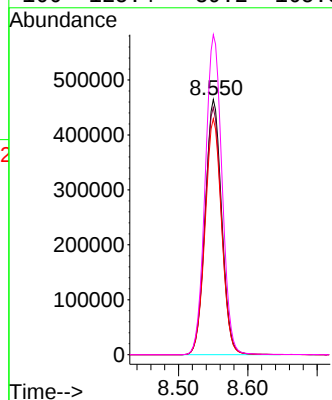
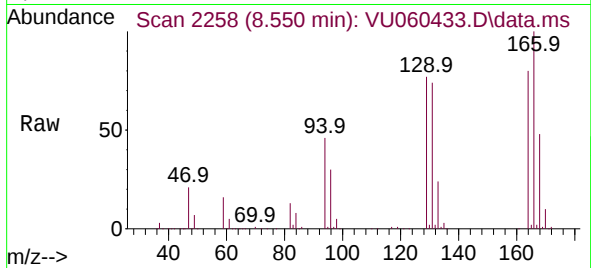




#47  
Tetrachloroethene  
Concen: 151.007 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.003 min  
Lab File: VU060433.D  
Acq: 13 Aug 2024 18:32

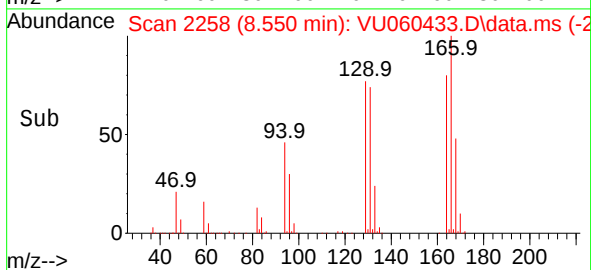
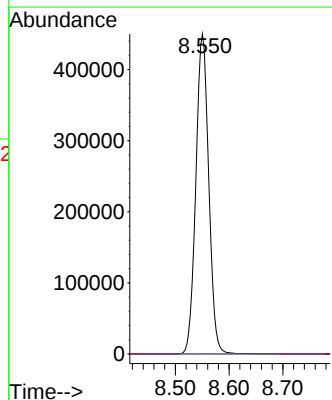
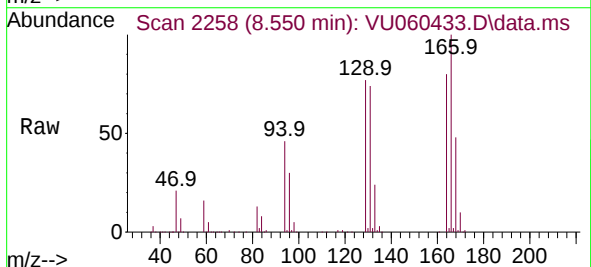
Instrument :  
MSVOA\_U  
ClientSampleId :

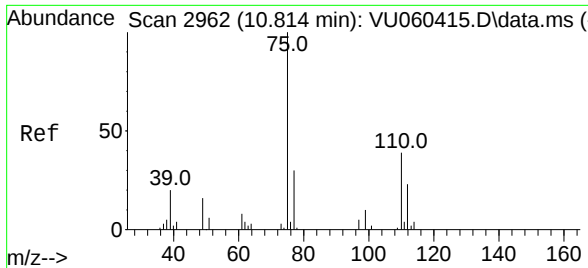
Tgt Ion:164 Resp: 767942  
Ion Ratio Lower Upper  
164 100  
129 96.9 69.0 128.1  
131 92.5 62.6 116.3  
166 125.4 89.2 165.8



#49  
Dibromochloromethane  
Concen: 136.032 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.251 min  
Lab File: VU060433.D  
Acq: 13 Aug 2024 18:32

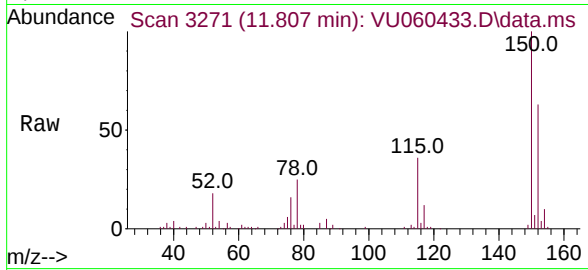
Tgt Ion:129 Resp: 748850  
Ion Ratio Lower Upper  
129 100  
127 0.0 51.9 96.3#





#61  
1,2,3-Trichloropropane  
Concen: 1.078 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.994 min  
Lab File: VU060433.D  
Acq: 13 Aug 2024 18:32

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MSVOA\_U  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3992  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.5   | 29.9  | 44.9# |
| 77       | 34.0  | 27.0  | 40.6  |

