

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121522\  
 Data File : VU052420.D  
 Acq On : 15 Dec 2022 16:51  
 Operator : JC/MD  
 Sample : N6034-17  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 16 00:21:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 16 00:19:11 2022  
 Response via : Initial Calibration

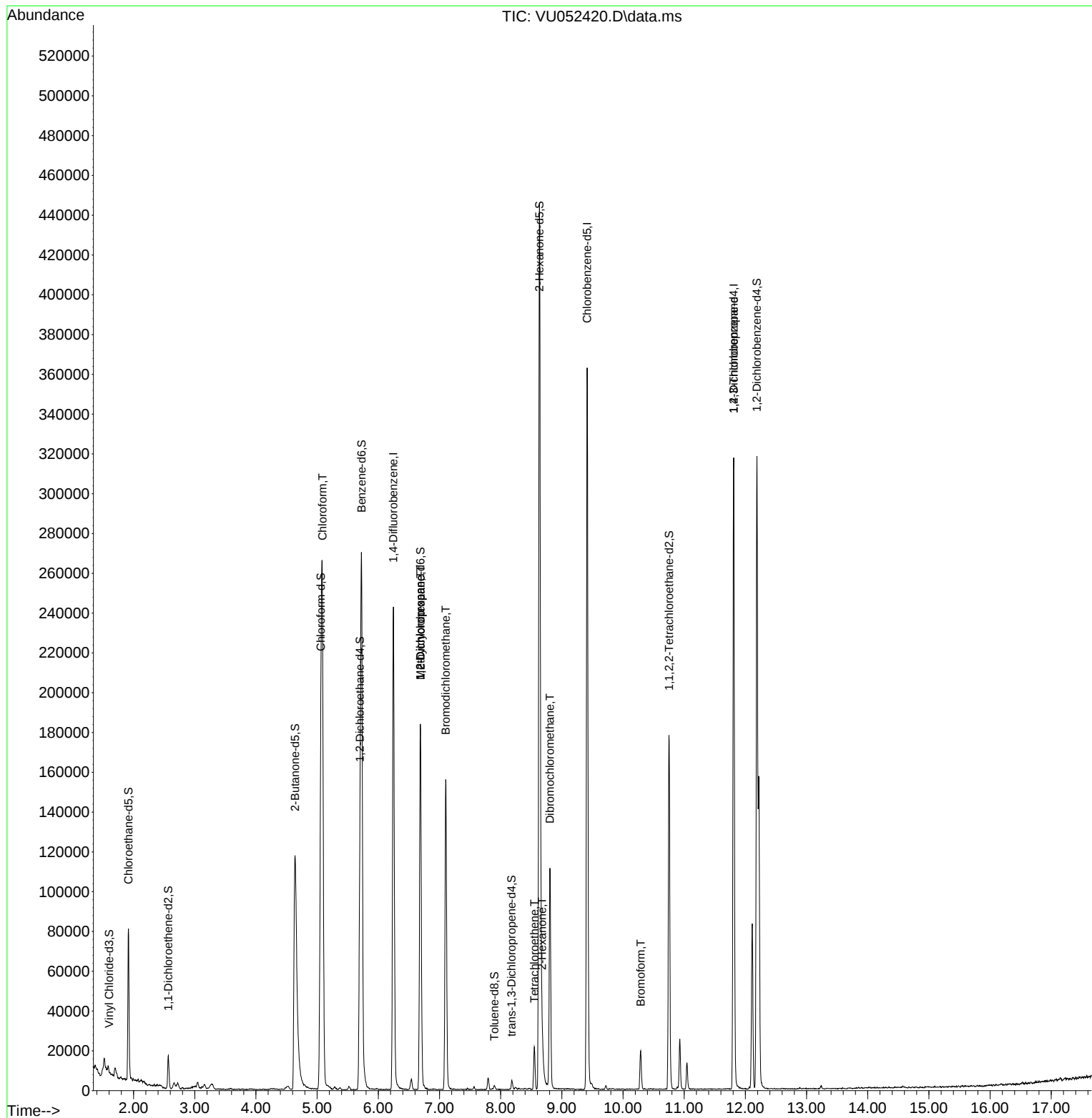
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 199479   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 212733   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 89414    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 41       | 0.002    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 0.000%#   |
| 7) Chloroethane-d5            | 1.916  | 69    | 59221    | 3.929    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 3198     | 0.460    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 9.200%#   |
| 20) 2-Butanone-d5             | 4.639  | 46    | 238735   | 67.878   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 135.760%# |
| 24) Chloroform-d              | 5.060  | 84    | 150515   | 5.279    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 76353    | 5.302    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.000%  |
| 32) Benzene-d6                | 5.726  | 84    | 265727   | 4.207    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.200%   |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 92978    | 4.757    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.200%   |
| 41) Toluene-d8                | 7.896  | 98    | 1861     | 0.033    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 0.600%#   |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 594      | 0.083    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 1.600%#   |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 147803   | 48.967   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.940%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 92557    | 5.462    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 86916    | 5.077    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.600%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 25) Chloroform                | 5.086  | 83    | 207276   | 7.317    | ug/L   | 98        |
| 35) Methylcyclohexane         | 6.687  | 83    | 21104    | 0.850    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 9274     | 0.517    | ug/L # | 88        |
| 38) Bromodichloromethane      | 7.102  | 83    | 105660   | 4.835    | ug/L   | 99        |
| 47) Tetrachloroethene         | 8.552  | 164   | 4929     | 0.372    | ug/L   | 91        |
| 48) 2-Hexanone                | 8.677  | 43    | 6758     | 0.984    | ug/L # | 41        |
| 49) Dibromochloromethane      | 8.806  | 129   | 58236    | 3.860    | ug/L   | 99        |
| 59) Bromoform                 | 10.288 | 173   | 9430     | 1.280    | ug/L   | 98        |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75    | 10986    | 1.074    | ug/L # | 67        |
| -----                         |        |       |          |          |        |           |

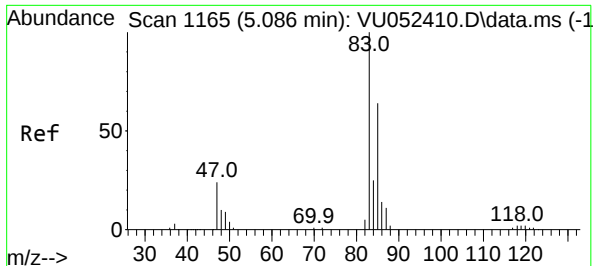
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 16 00:19:11 2022  
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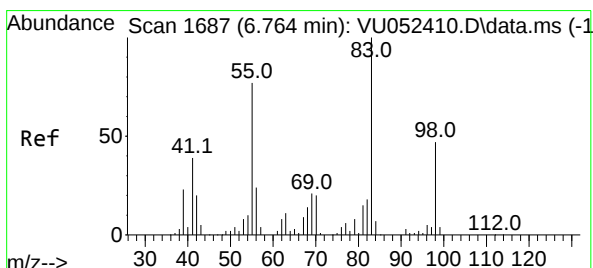
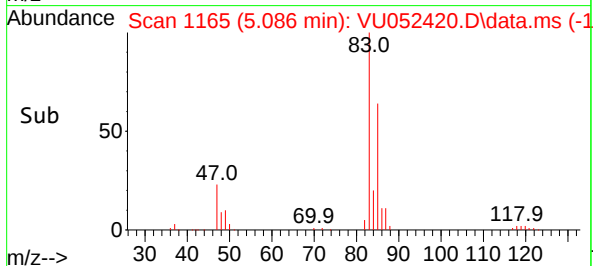
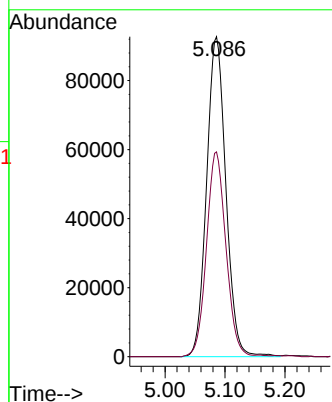
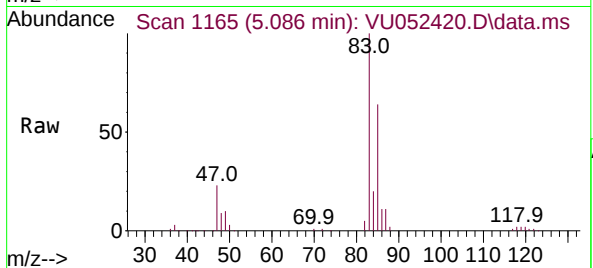




#25  
Chloroform  
Concen: 7.317 ug/L  
RT: 5.086 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: VU052420.D  
Acq: 15 Dec 2022 16:51

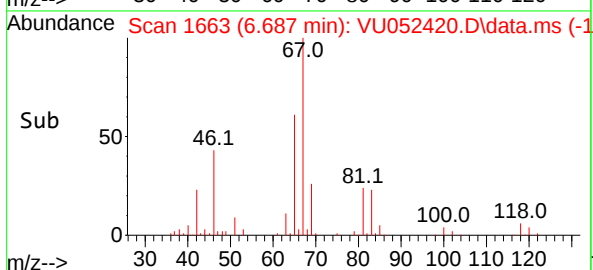
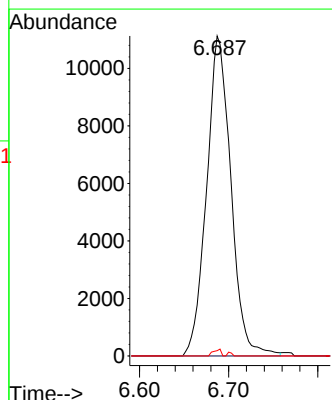
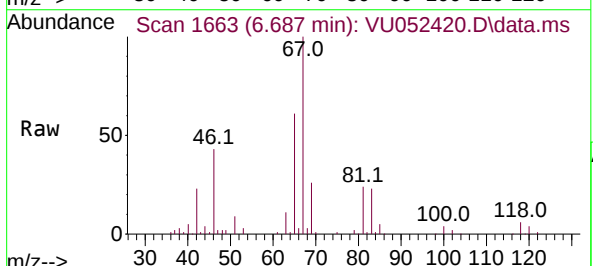
Instrument :  
MSVOA\_U  
ClientSampleId :

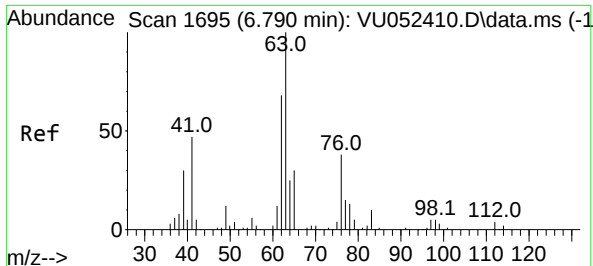
Tgt Ion: 83 Resp: 207276  
Ion Ratio Lower Upper  
83 100  
85 64.0 43.8 81.4



#35  
Methylcyclohexane  
Concen: 0.850 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.077 min  
Lab File: VU052420.D  
Acq: 15 Dec 2022 16:51

Tgt Ion: 83 Resp: 21104  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.8 91.2#  
98 0.7 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.517 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052420.D

Acq: 15 Dec 2022 16:51

Instrument :

MSVOA\_U

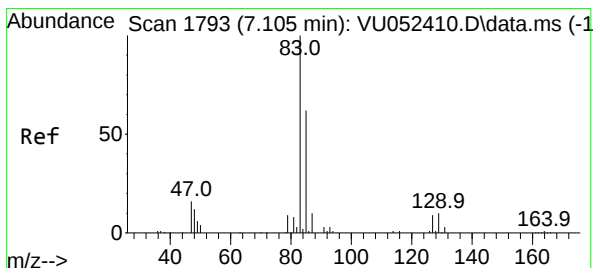
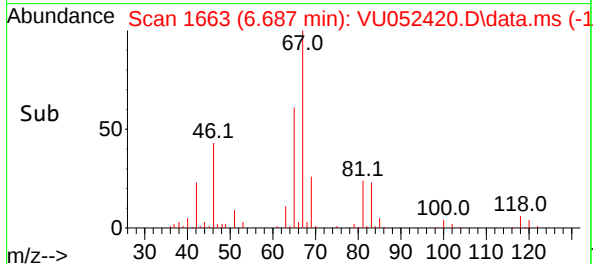
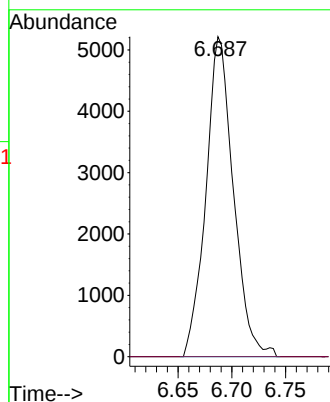
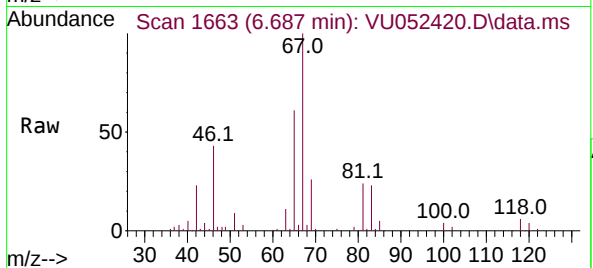
ClientSampleId :

Tgt Ion: 63 Resp: 9274

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#38

Bromodichloromethane

Concen: 4.835 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU052420.D

Acq: 15 Dec 2022 16:51

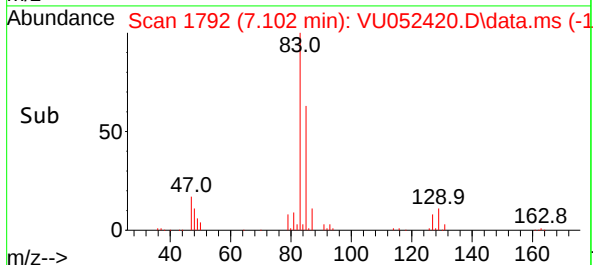
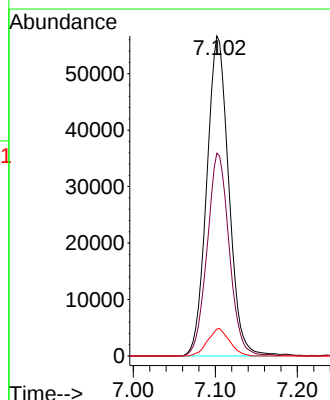
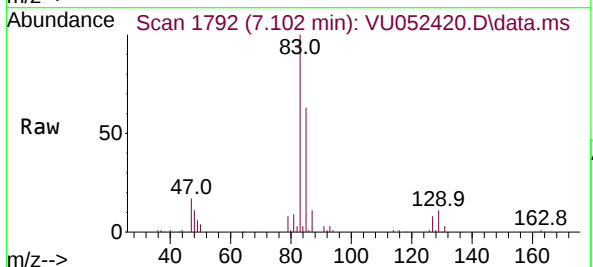
Tgt Ion: 83 Resp: 105660

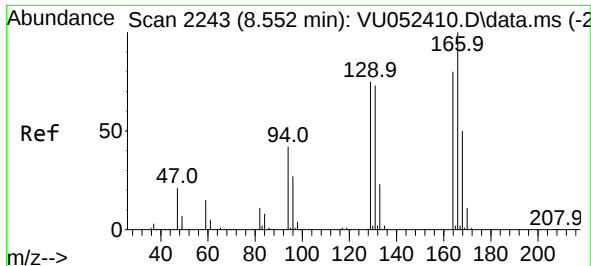
Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.9

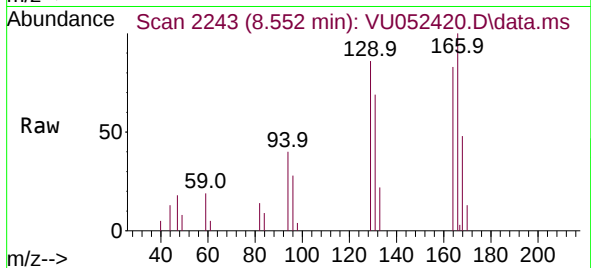
127 8.4 6.8 10.2



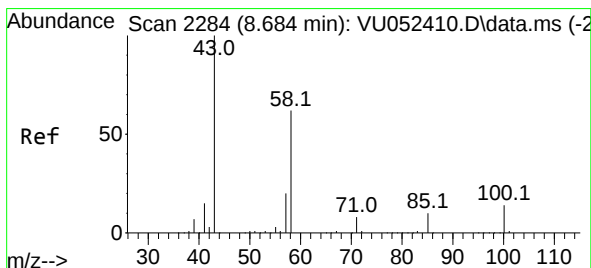
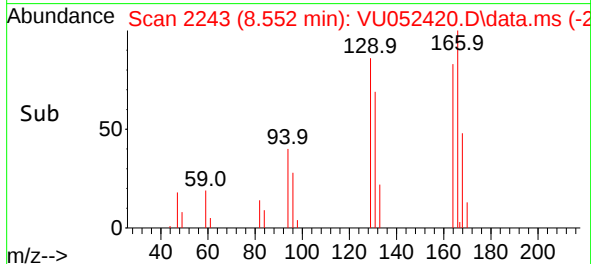
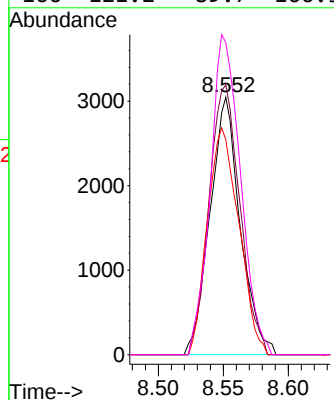


#47  
Tetrachloroethene  
Concen: 0.372 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU052420.D  
Acq: 15 Dec 2022 16:51

Instrument :  
MSVOA\_U  
ClientSampleId :

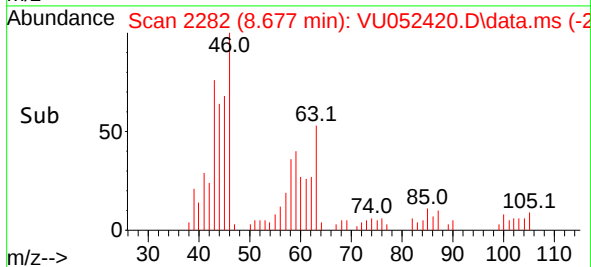
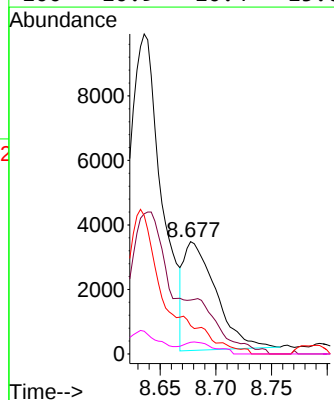
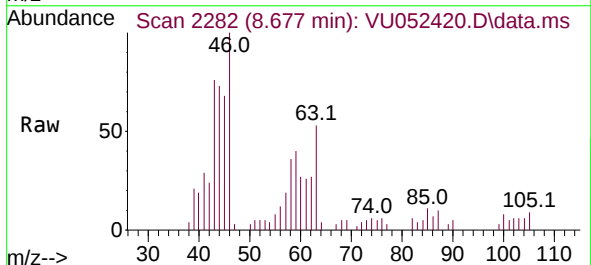


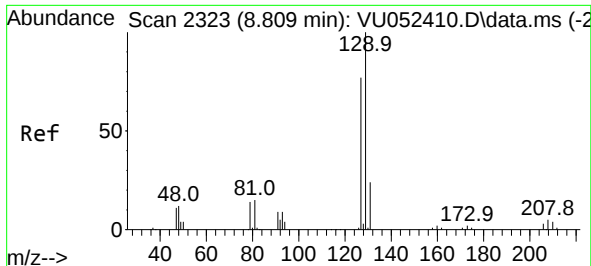
Tgt Ion:164 Resp: 4929  
Ion Ratio Lower Upper  
164 100  
129 104.8 67.4 125.2  
131 83.6 67.1 124.7  
166 121.2 89.7 166.5



#48  
2-Hexanone  
Concen: 0.984 ug/L  
RT: 8.677 min Scan# 2282  
Delta R.T. -0.006 min  
Lab File: VU052420.D  
Acq: 15 Dec 2022 16:51

Tgt Ion: 43 Resp: 6758  
Ion Ratio Lower Upper  
43 100  
58 0.0 49.4 74.0#  
57 6.3 16.3 24.5#  
100 10.9 10.4 15.6





#49

Dibromochloromethane

Concen: 3.860 ug/L

RT: 8.806 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052420.D

Acq: 15 Dec 2022 16:51

Instrument :

MSVOA\_U

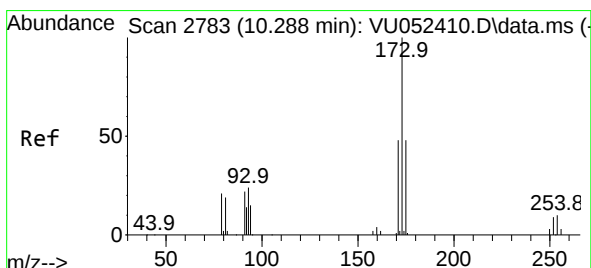
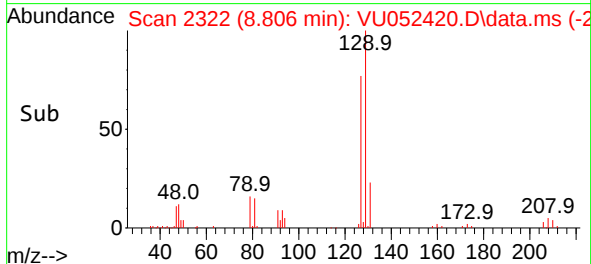
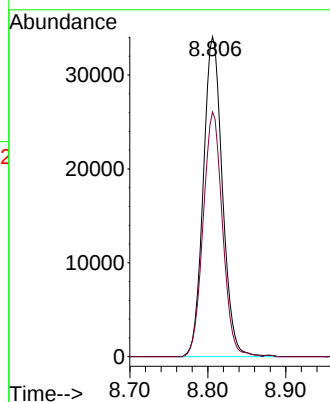
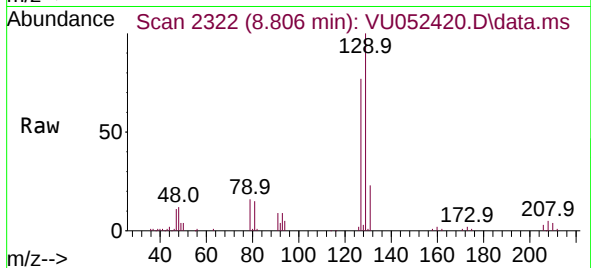
ClientSampleId :

Tgt Ion:129 Resp: 58236

Ion Ratio Lower Upper

129 100

127 76.5 52.8 98.2



#59

Bromoform

Concen: 1.280 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU052420.D

Acq: 15 Dec 2022 16:51

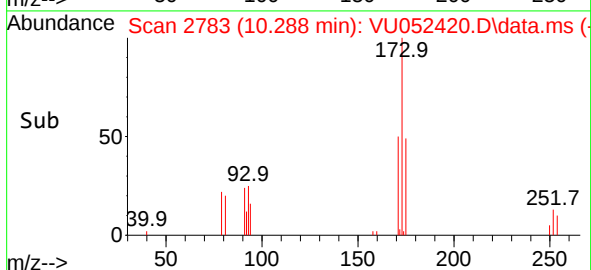
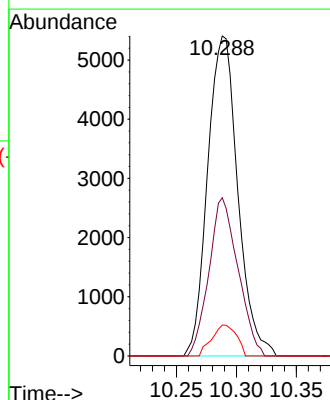
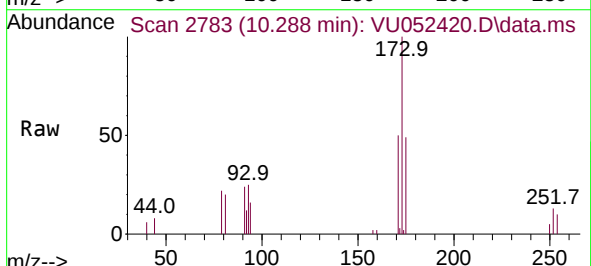
Tgt Ion:173 Resp: 9430

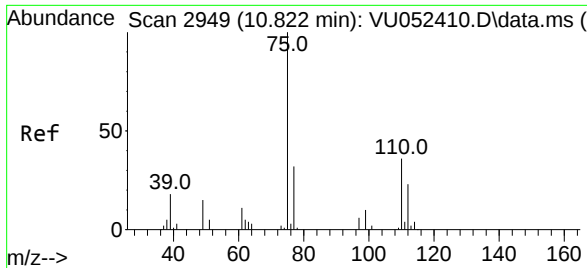
Ion Ratio Lower Upper

173 100

175 47.6 37.2 55.8

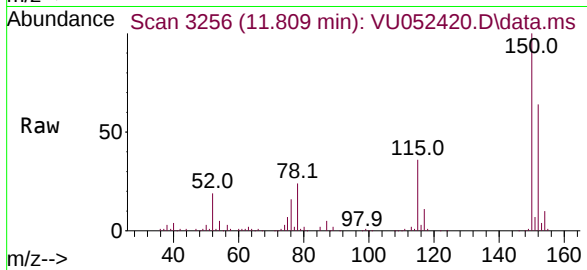
254 7.9 7.0 10.6





#61  
 1,2,3-Trichloropropane  
 Concen: 1.074 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU052420.D  
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 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 10986  
 Ion Ratio Lower Upper  
 75 100  
 110 1.2 28.3 42.5#  
 77 30.2 26.2 39.2

