

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110122\  
 Data File : VU051661.D  
 Acq On : 01 Nov 2022 18:04  
 Operator : JC/MD  
 Sample : N5301-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWU8

Quant Time: Nov 02 02:05:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 02 01:48:00 2022  
 Response via : Initial Calibration

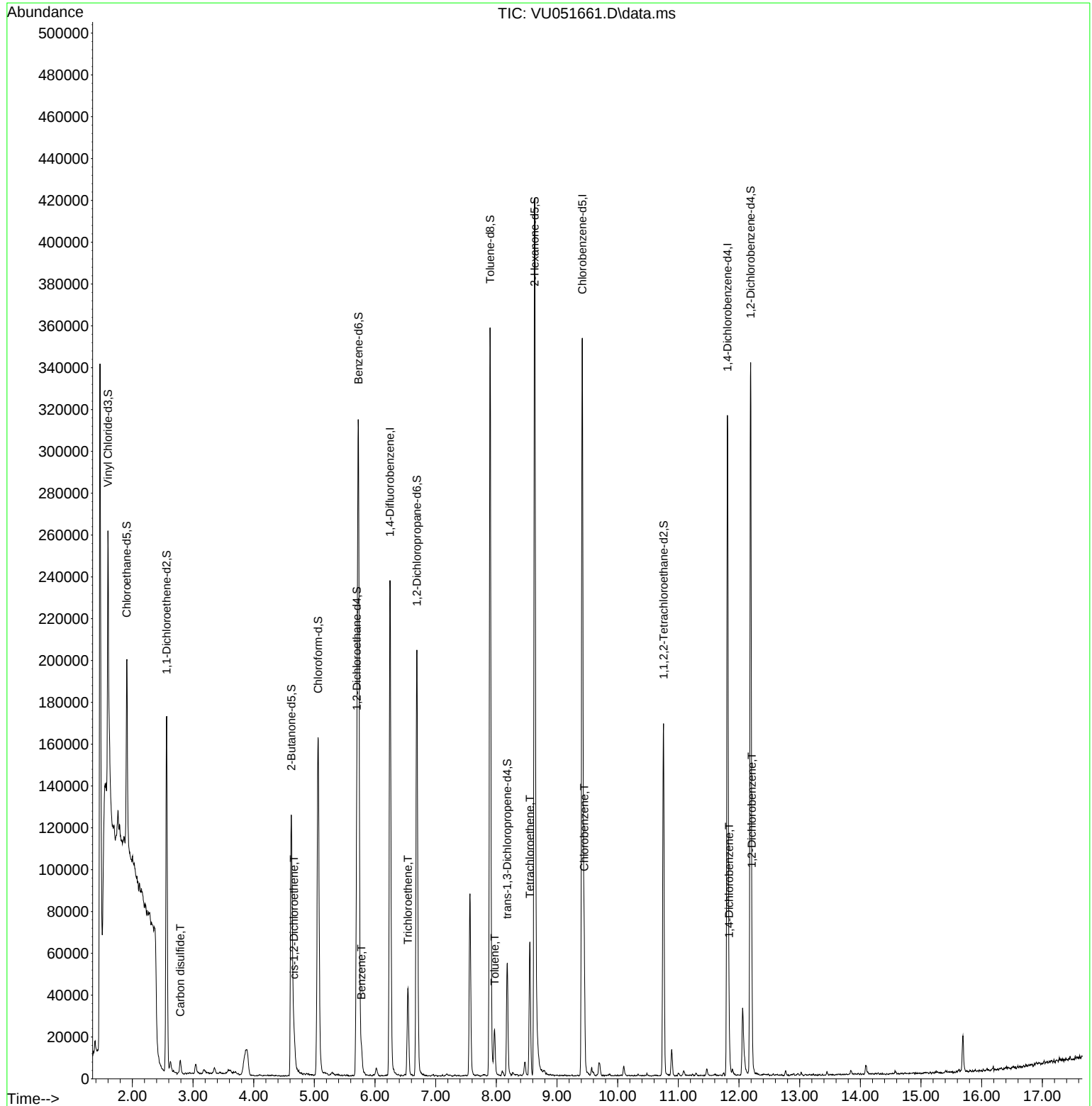
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 196967   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 204038   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 89232    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.598  | 65             | 82486    | 5.560  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 111.200% |          |
| 7) Chloroethane-d5            | 1.906  | 69             | 72104    | 4.660  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 93.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65             | 33092    | 6.146  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 123.000% |          |
| 20) 2-Butanone-d5             | 4.620  | 46             | 182178   | 33.910 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 67.820%  |          |
| 24) Chloroform-d              | 5.060  | 84             | 156638   | 4.512  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 90.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 78975    | 4.211  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 84.200%  |          |
| 32) Benzene-d6                | 5.726  | 84             | 312853   | 4.859  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 97.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.691  | 67             | 102837   | 4.567  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 91.400%  |          |
| 41) Toluene-d8                | 7.896  | 98             | 247630   | 4.891  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 31594    | 4.589  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 91.800%  |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 144666   | 34.908 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 69.820%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84             | 84665    | 4.103  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 82.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 91925    | 5.613  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 112.200% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        |          | Qvalue   |
| 14) Carbon disulfide          | 2.790  | 76             | 9132     | 0.165  | ug/L     | 97       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96             | 5778     | 0.284  | ug/L     | 86       |
| 33) Benzene                   | 5.774  | 78             | 12675    | 0.157  | ug/L     | 100      |
| 34) Trichloroethene           | 6.543  | 95             | 15082    | 0.776  | ug/L     | 95       |
| 42) Toluene                   | 7.970  | 91             | 16623    | 0.201  | ug/L     | 97       |
| 47) Tetrachloroethene         | 8.552  | 164            | 14522    | 0.976  | ug/L     | 94       |
| 51) Chlorobenzene             | 9.446  | 112            | 35507    | 0.682  | ug/L     | 97       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146            | 7540     | 0.232  | ug/L     | 93       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146            | 7378     | 0.234  | ug/L     | 98       |
| -----                         |        |                |          |        |          |          |

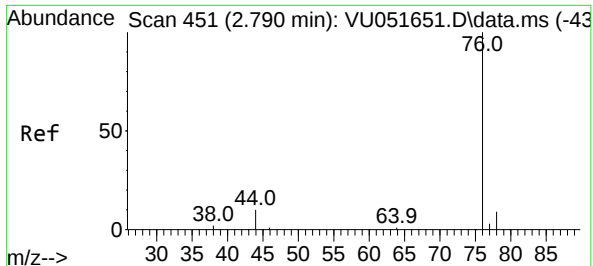
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Nov 02 01:48:00 2022  
Response via : Initial Calibration

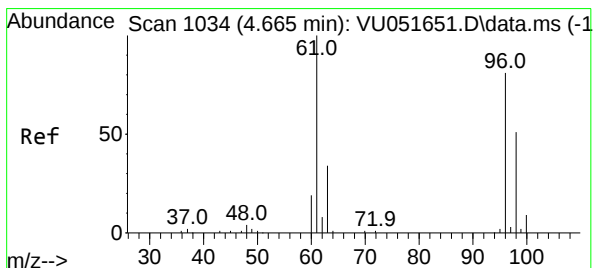
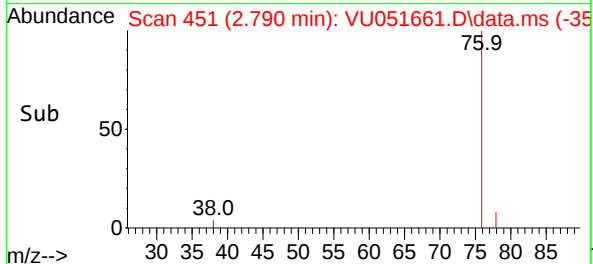
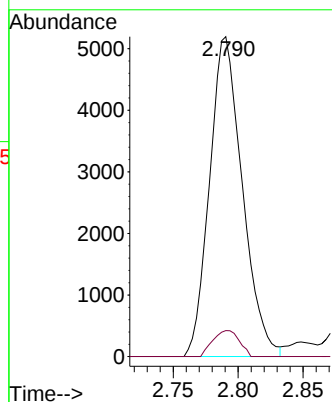
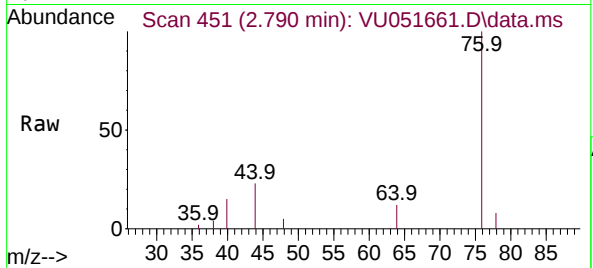




#14  
Carbon disulfide  
Concen: 0.165 ug/L  
RT: 2.790 min Scan# 451  
Delta R.T. 0.000 min  
Lab File: VU051661.D  
Acq: 01 Nov 2022 18:04

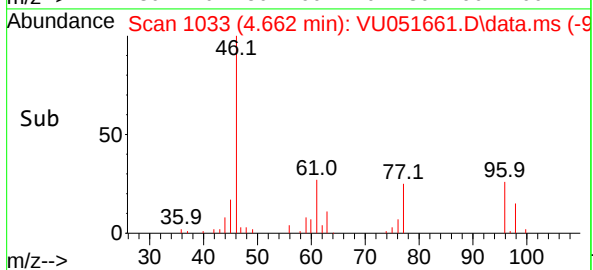
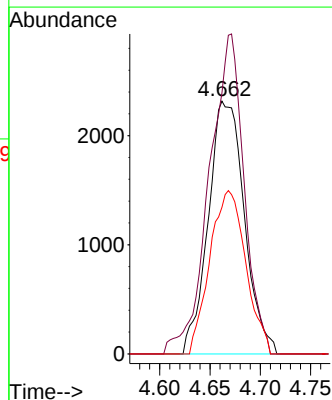
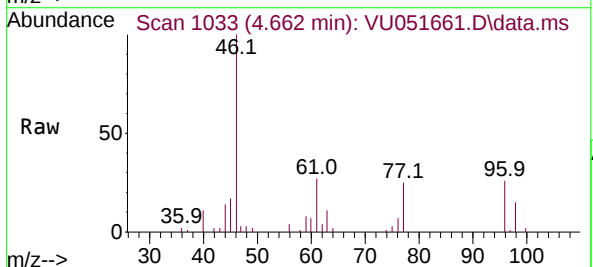
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWU8

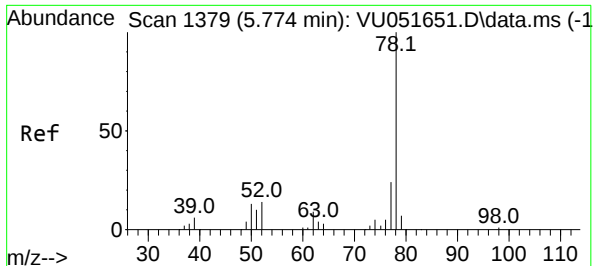
Tgt Ion: 76 Resp: 9132  
Ion Ratio Lower Upper  
76 100  
78 8.1 7.4 11.2



#22  
cis-1,2-Dichloroethene  
Concen: 0.284 ug/L  
RT: 4.662 min Scan# 1033  
Delta R.T. -0.003 min  
Lab File: VU051661.D  
Acq: 01 Nov 2022 18:04

Tgt Ion: 96 Resp: 5778  
Ion Ratio Lower Upper  
96 100  
61 103.3 86.4 160.4  
98 58.0 44.2 82.2

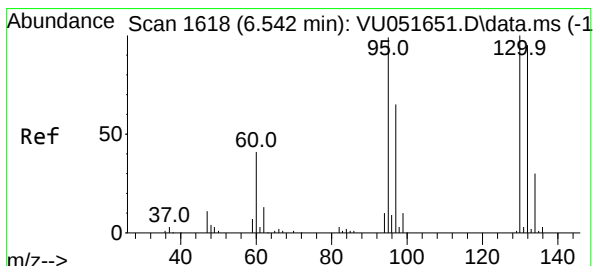
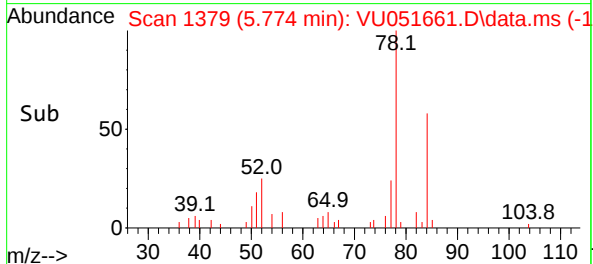
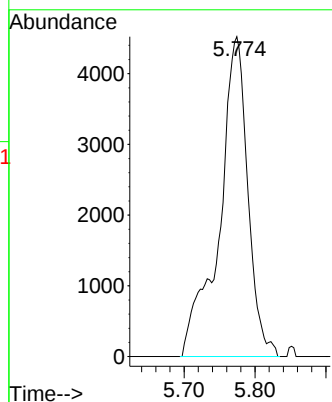
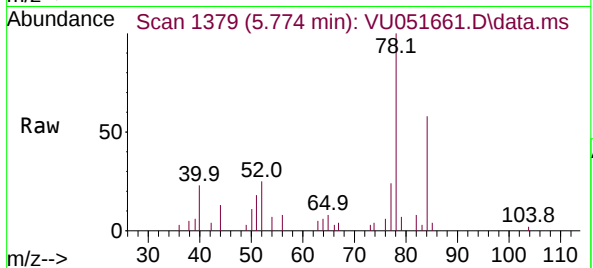




#33  
Benzene  
Concen: 0.157 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU051661.D  
Acq: 01 Nov 2022 18:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWU8

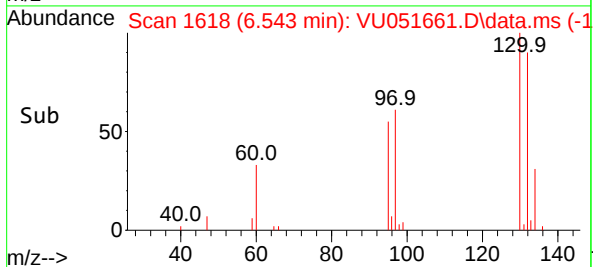
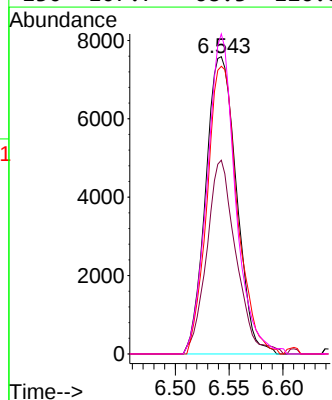
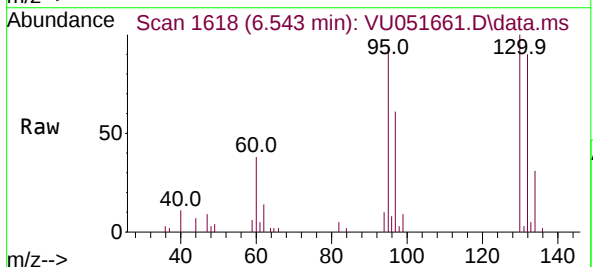
Tgt Ion: 78 Resp: 12675

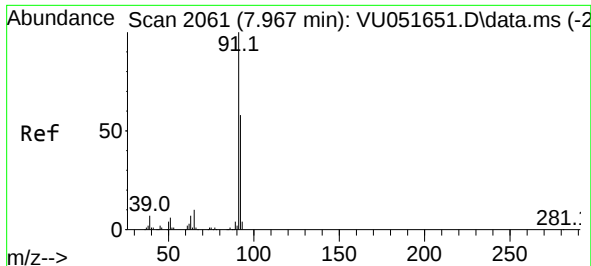


#34  
Trichloroethene  
Concen: 0.776 ug/L  
RT: 6.543 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU051661.D  
Acq: 01 Nov 2022 18:04

Tgt Ion: 95 Resp: 15082

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.1  | 45.2  | 84.0  |
| 132 | 96.8  | 66.5  | 123.5 |
| 130 | 107.7 | 68.3  | 126.8 |





#42

Toluene

Concen: 0.201 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.004 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

Instrument :

MSVOA\_U

ClientSampleId :

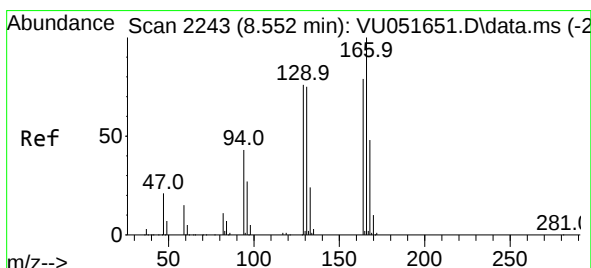
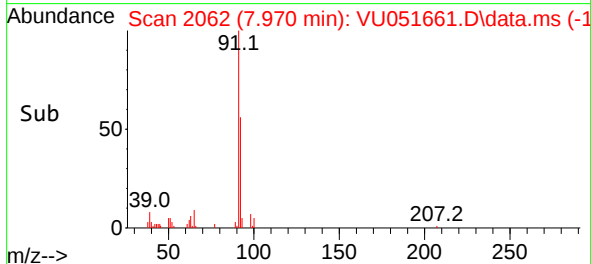
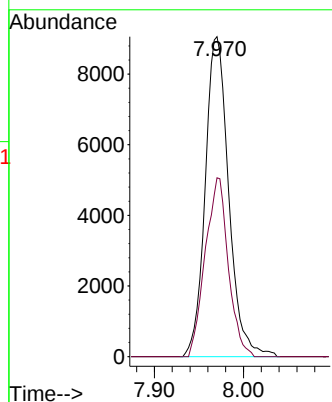
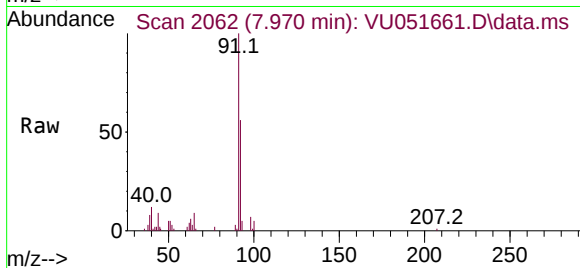
DBWU8

Tgt Ion: 91 Resp: 16623

Ion Ratio Lower Upper

91 100

92 55.9 40.5 75.3



#47

Tetrachloroethene

Concen: 0.976 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051661.D

Acq: 01 Nov 2022 18:04

Tgt Ion: 164 Resp: 14522

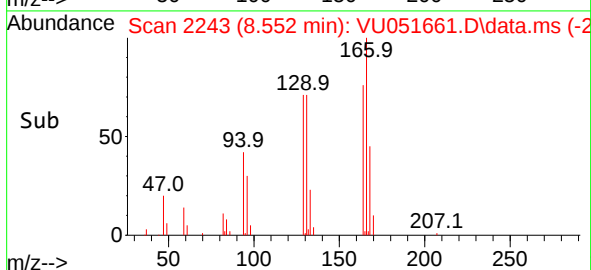
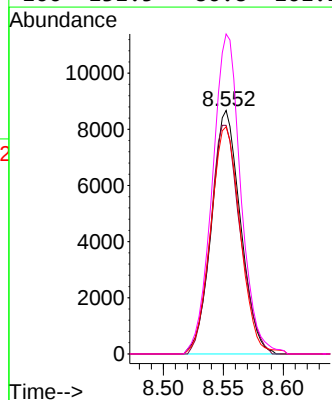
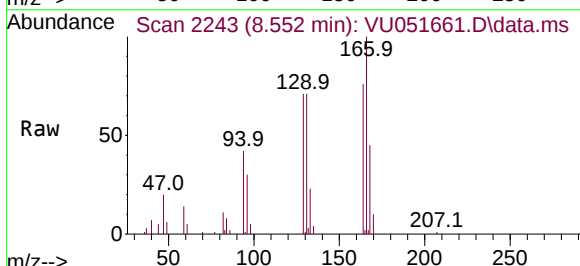
Ion Ratio Lower Upper

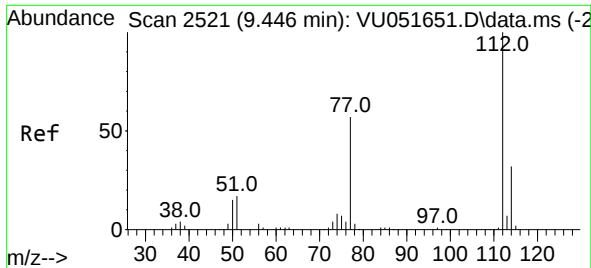
164 100

129 93.9 64.0 118.8

131 93.3 60.7 112.7

166 131.5 86.8 161.2

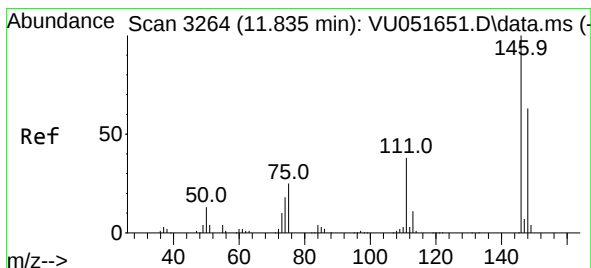
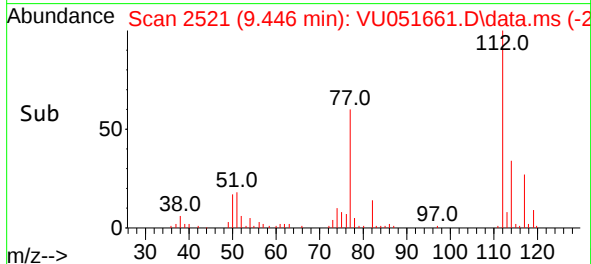
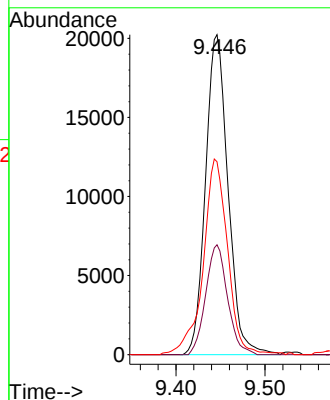
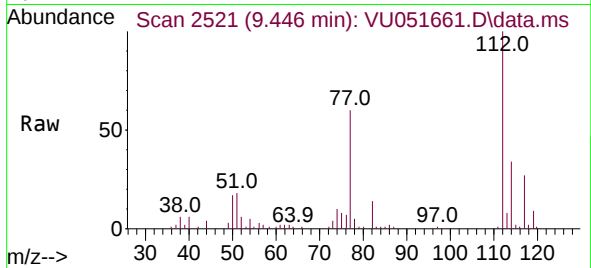




#51  
Chlorobenzene  
Concen: 0.682 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU051661.D  
Acq: 01 Nov 2022 18:04

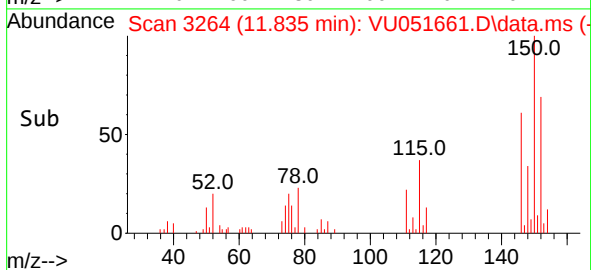
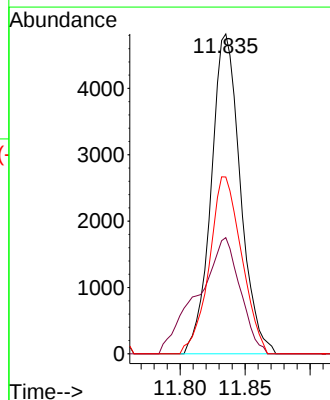
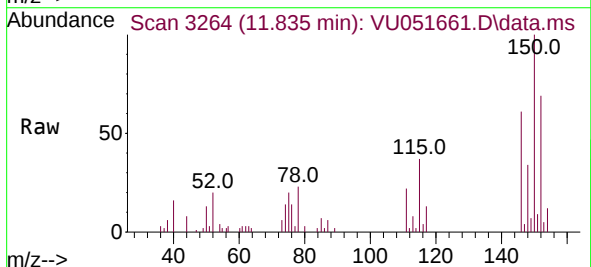
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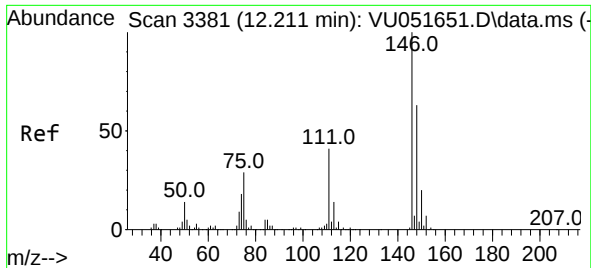
Tgt Ion:112 Resp: 35507  
Ion Ratio Lower Upper  
112 100  
114 34.3 22.0 40.8  
77 60.3 46.7 70.1



#65  
1,4-Dichlorobenzene  
Concen: 0.232 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU051661.D  
Acq: 01 Nov 2022 18:04

Tgt Ion:146 Resp: 7540  
Ion Ratio Lower Upper  
146 100  
111 36.3 26.7 49.5  
148 55.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.234 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051661.D

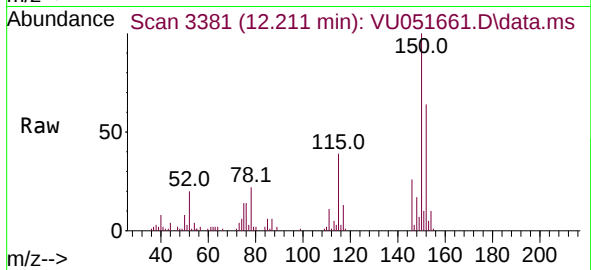
Acq: 01 Nov 2022 18:04

Instrument :

MSVOA\_U

ClientSampleId :

DBWU8



Tgt Ion:146 Resp: 7378

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.2

148 64.1 50.1 75.1

