

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101421\  
 Data File : VW022794.D  
 Acq On : 14 Oct 2021 15:53  
 Operator : SY/MD  
 Sample : M4214-04  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGE1

Quant Time: Oct 15 02:00:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 15 01:58:00 2021  
 Response via : Initial Calibration

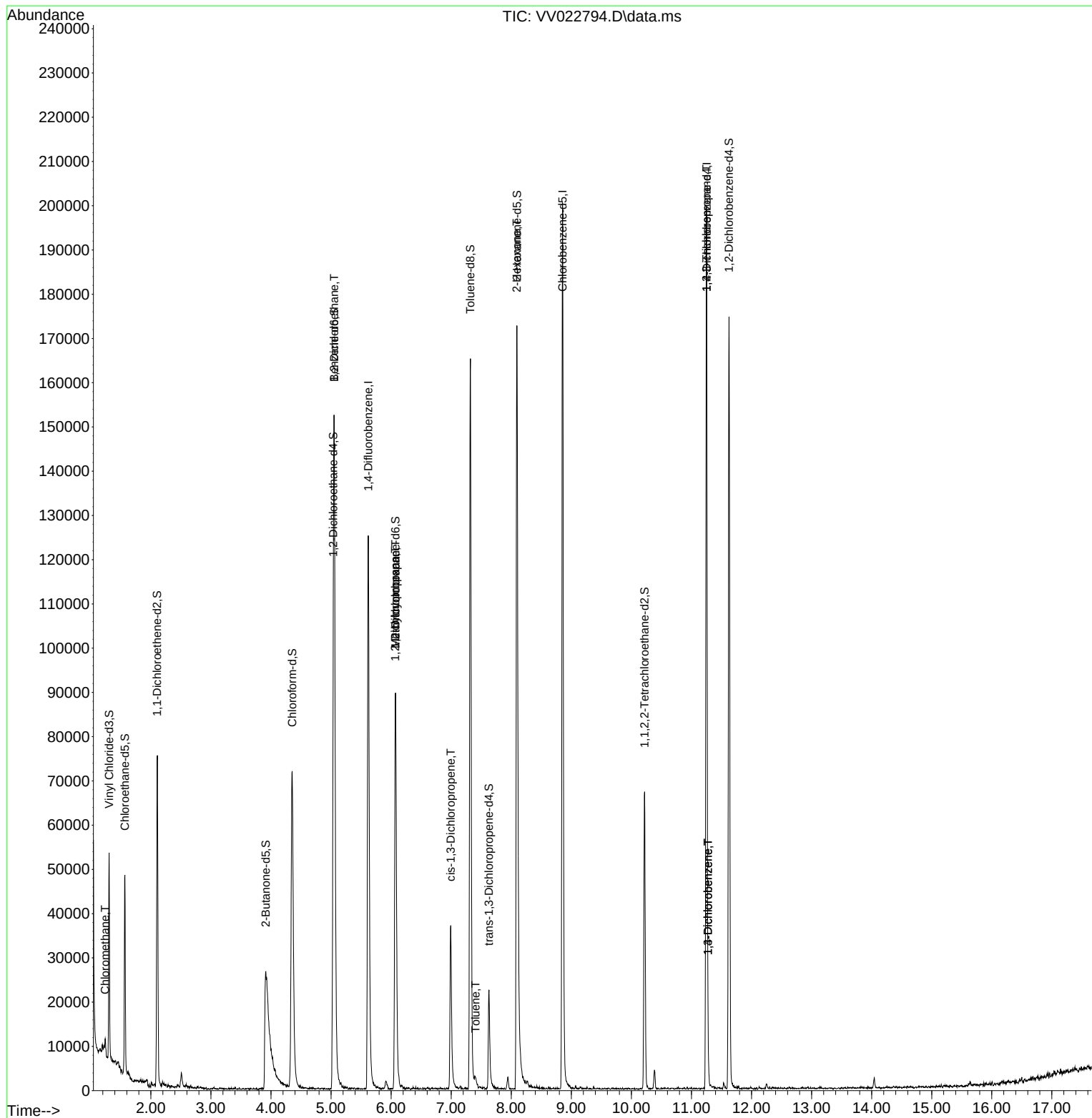
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 111801   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 115136   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 52723    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 28868    | 3.753    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 27152    | 3.928    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 36417    | 2.413    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 48.200%# |
| 20) 2-Butanone-d5             | 3.912  | 46    | 74776    | 37.075   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 74.140%  |
| 24) Chloroform-d              | 4.352  | 84    | 75763    | 4.780    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 33490    | 4.353    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.000%  |
| 32) Benzene-d6                | 5.053  | 84    | 139936   | 4.083    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 45437    | 4.476    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.600%  |
| 41) Toluene-d8                | 7.320  | 98    | 113955   | 3.846    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.000%  |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 13933    | 4.138    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.800%  |
| 46) 2-Hexanone-d5             | 8.095  | 63    | 65073    | 47.955   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 32641    | 4.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 47263    | 4.835    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.240  | 50    | 1534     | 0.187    | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.053  | 62    | 776      | 0.101    | ug/L # | 69       |
| 35) Methylcyclohexane         | 6.072  | 83    | 11776    | 0.997    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 4796     | 0.643    | ug/L # | 84       |
| 39) cis-1,3-Dichloropropene   | 6.992  | 75    | 860      | 0.087    | ug/L # | 32       |
| 42) Toluene                   | 7.407  | 91    | 1945     | 0.062    | ug/L   | 91       |
| 48) 2-Hexanone                | 8.091  | 43    | 8502     | 2.902    | ug/L # | 70       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 6334     | 1.729    | ug/L # | 62       |
| 64) 1,3-Dichlorobenzene       | 11.275 | 146   | 1454     | 0.103    | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146   | 1454     | 0.102    | ug/L   | 97       |
| -----                         |        |       |          |          |        |          |

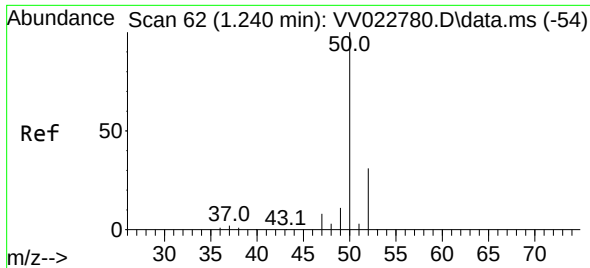
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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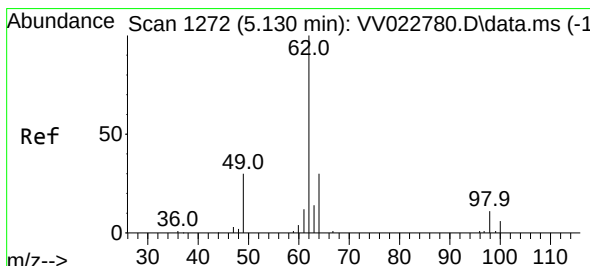
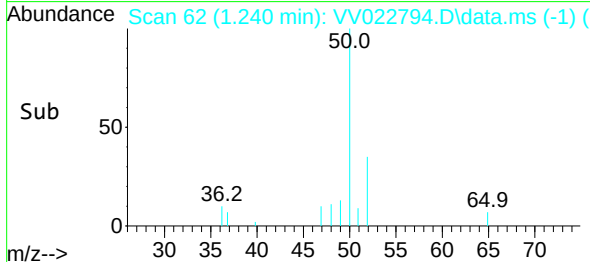
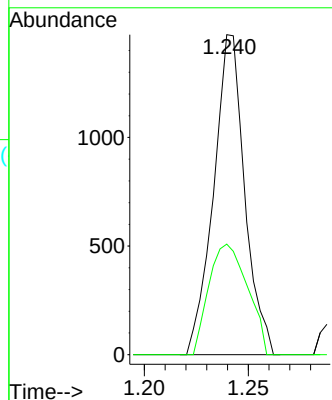
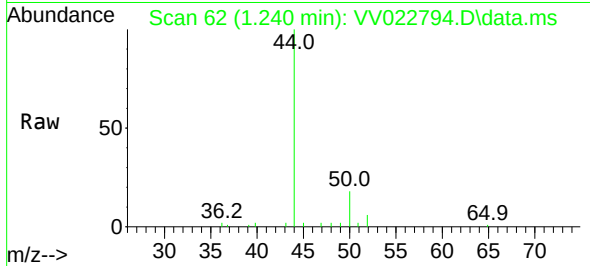




#3  
Chloromethane  
Concen: 0.187 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. -0.000 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

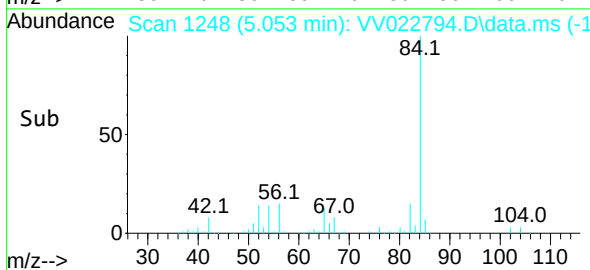
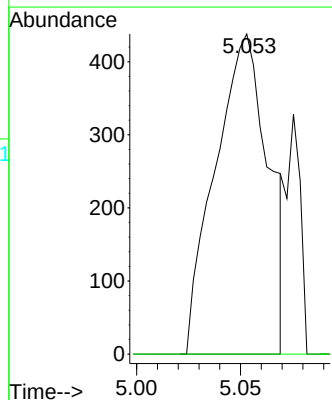
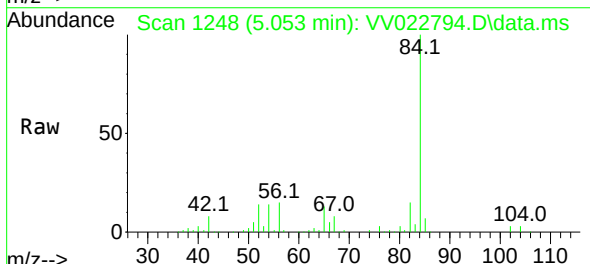
Instrument :  
MSVOA\_V  
ClientSampled :  
JDGE1

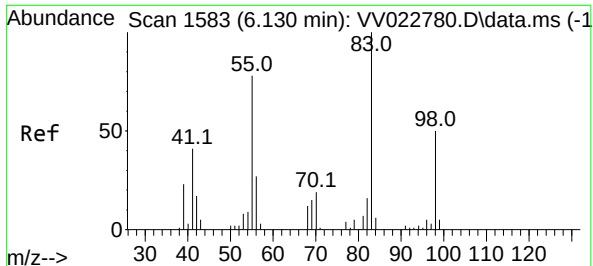
Tgt Ion: 50 Resp: 1534  
Ion Ratio Lower Upper  
50 100  
52 34.6 22.9 42.5



#27  
1,2-Dichloroethane  
Concen: 0.101 ug/L  
RT: 5.053 min Scan# 1248  
Delta R.T. -0.077 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

Tgt Ion: 62 Resp: 776  
Ion Ratio Lower Upper  
62 100  
98 0.0 9.7 14.5#





#35

Methylcyclohexane

Concen: 0.997 ug/L

RT: 6.072 min Scan# 1565

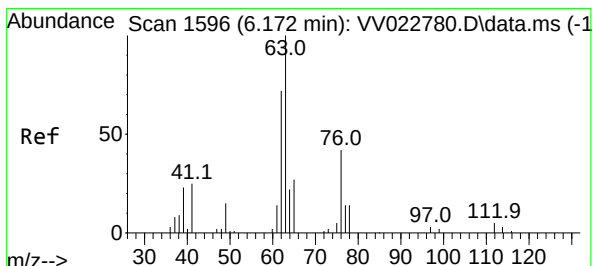
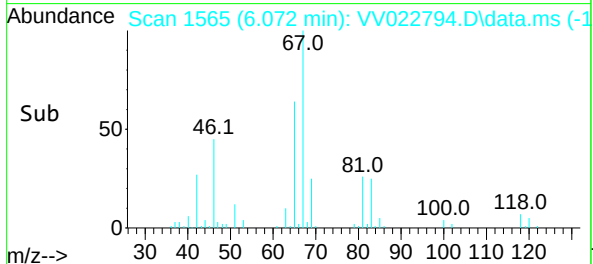
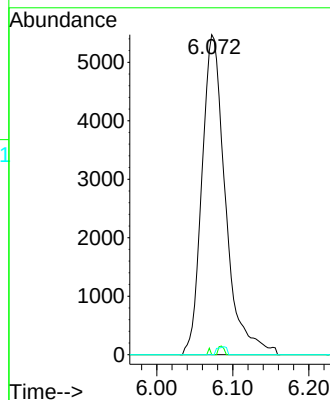
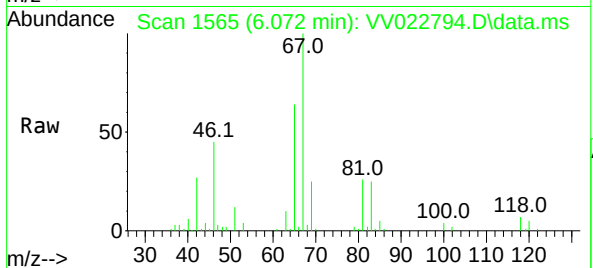
Delta R.T. -0.058 min

Lab File: VV022794.D

Acq: 14 Oct 2021 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11776 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.2   | 63.8  | 95.6# |
| 98       | 2.4   | 42.1  | 63.1# |

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGE1



#37

1,2-Dichloropropane

Concen: 0.643 ug/L

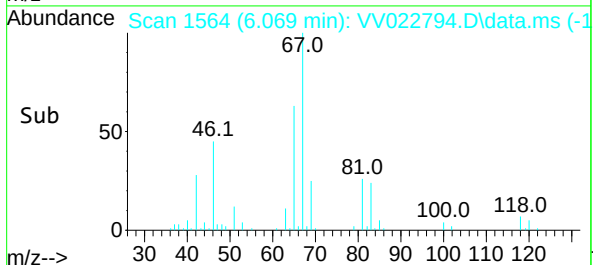
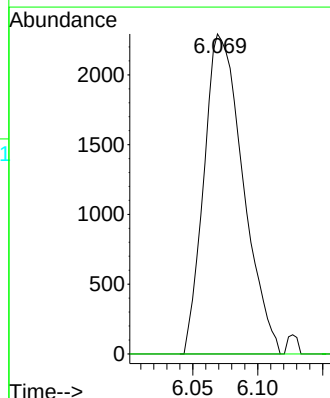
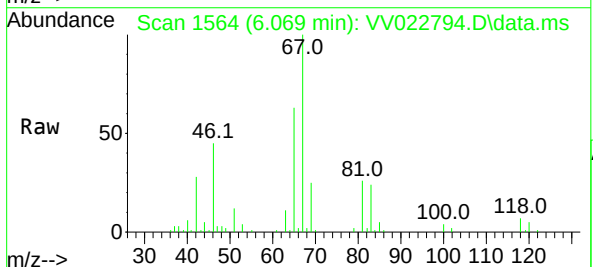
RT: 6.069 min Scan# 1564

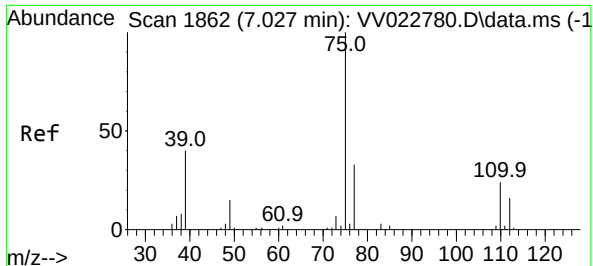
Delta R.T. -0.103 min

Lab File: VV022794.D

Acq: 14 Oct 2021 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4796  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 4.4   | 6.6#  |

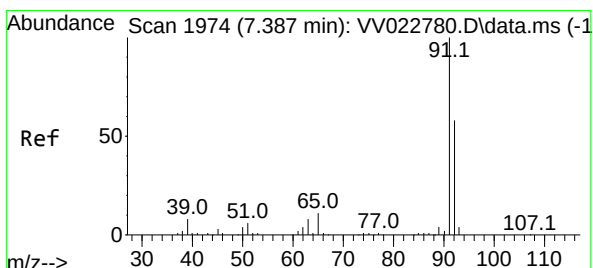
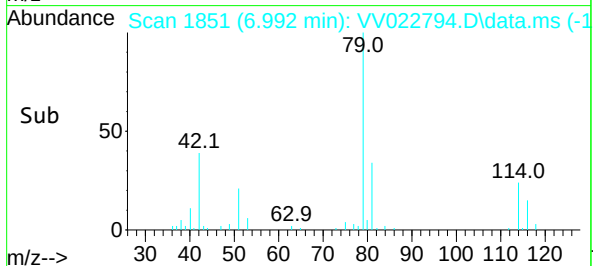
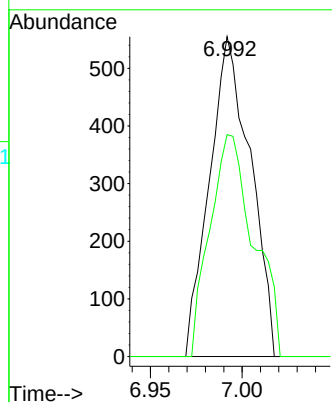
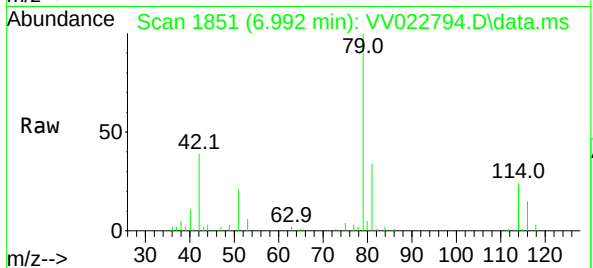




#39  
cis-1,3-Dichloropropene  
Concen: 0.087 ug/L  
RT: 6.992 min Scan# 1851  
Delta R.T. -0.035 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

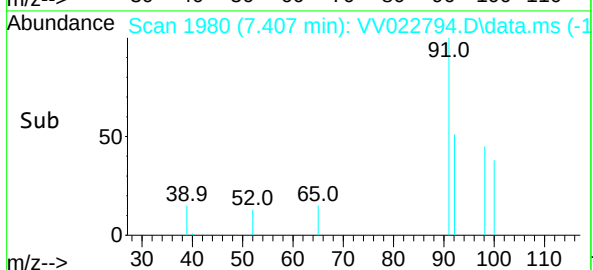
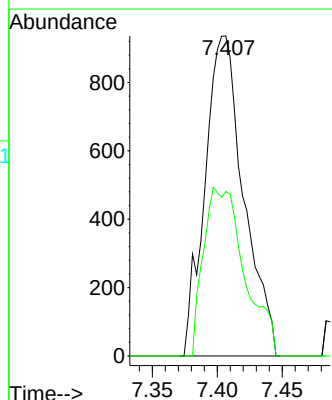
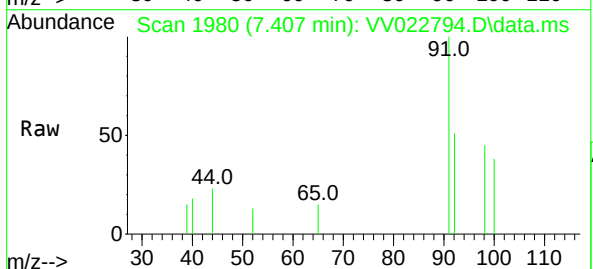
Instrument :  
MSVOA\_V  
ClientSampleId :  
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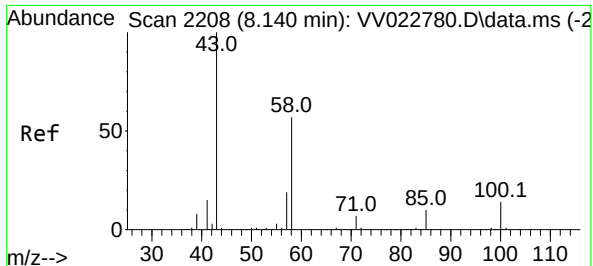
Tgt Ion: 75 Resp: 860  
Ion Ratio Lower Upper  
75 100  
77 69.4 22.3 41.3#



#42  
Toluene  
Concen: 0.062 ug/L  
RT: 7.407 min Scan# 1980  
Delta R.T. 0.019 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

Tgt Ion: 91 Resp: 1945  
Ion Ratio Lower Upper  
91 100  
92 51.4 40.7 75.7

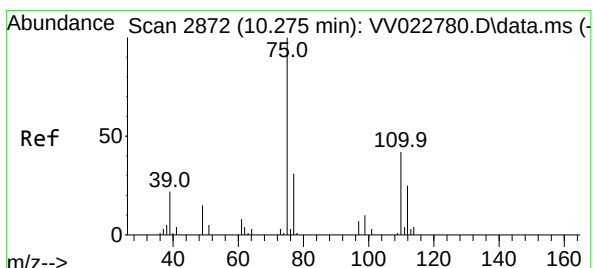
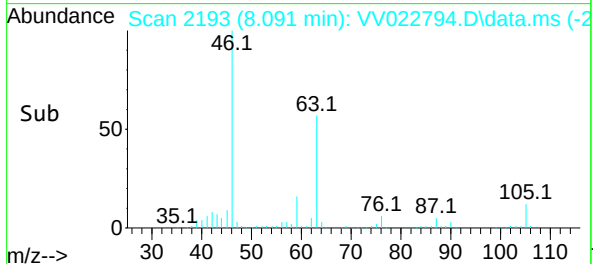
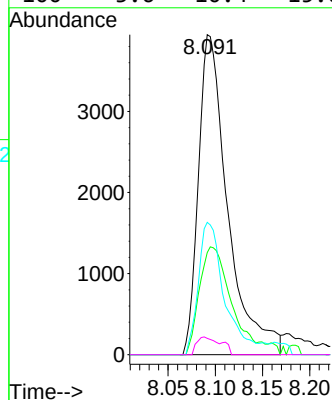
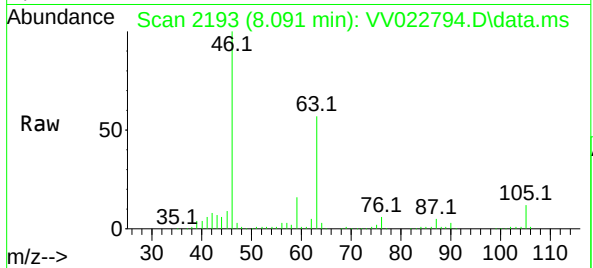




#48  
2-Hexanone  
Concen: 2.902 ug/L  
RT: 8.091 min Scan# 2193  
Delta R.T. -0.048 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

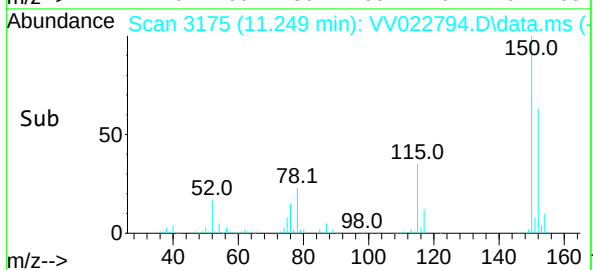
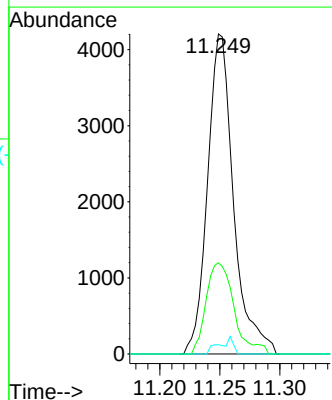
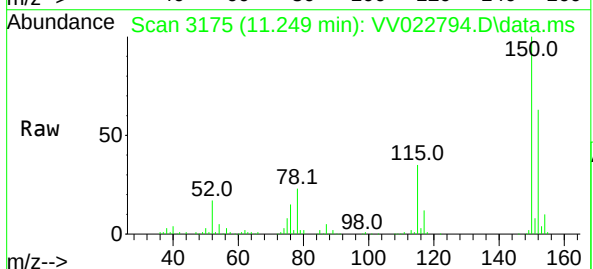
Instrument :  
MSVOA\_V  
ClientSampled :  
JDGE1

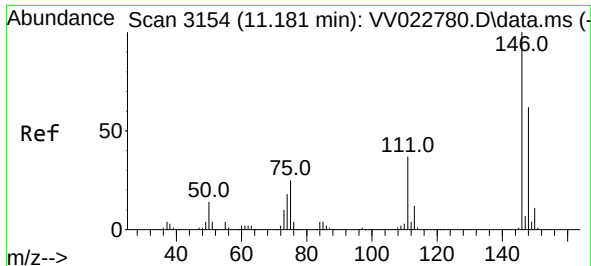
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8502  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 38.0  | 47.4  | 71.0# |
| 57       | 36.9  | 15.3  | 22.9# |
| 100      | 3.6   | 10.4  | 15.6# |



#61  
1,2,3-Trichloropropane  
Concen: 1.729 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.974 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6334  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 30.6  | 25.4  | 38.2  |
| 110      | 1.4   | 34.2  | 51.4# |

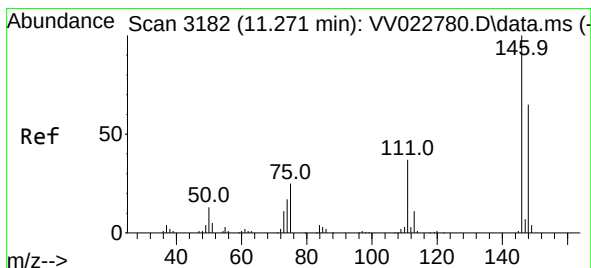
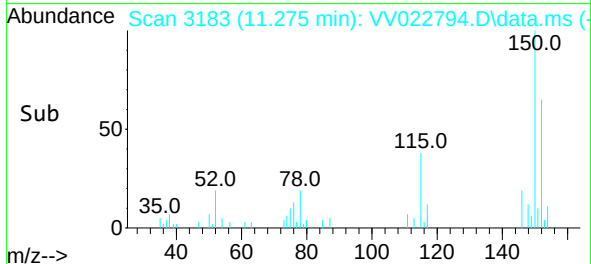
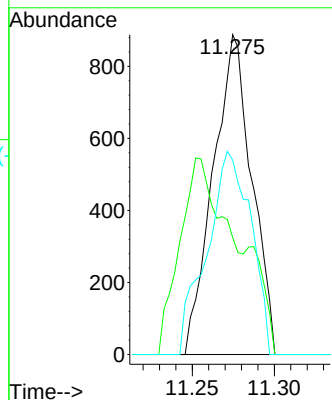
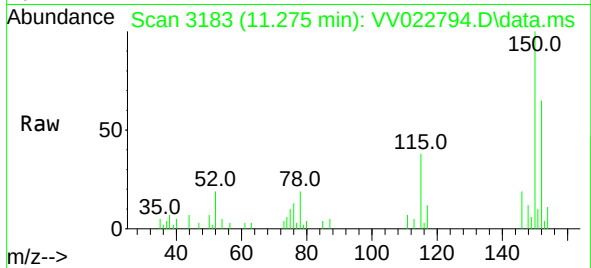




#64  
1,3-Dichlorobenzene  
Concen: 0.103 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.093 min  
Lab File: VV022794.D  
Acq: 14 Oct 2021 15:53

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Tgt Ion:146 Resp: 1454  
Ion Ratio Lower Upper  
146 100  
111 36.6 26.7 49.5  
148 60.8 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 0.102 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.003 min  
Lab File: VV022794.D  
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Tgt Ion:146 Resp: 1454  
Ion Ratio Lower Upper  
146 100  
111 36.6 25.6 47.4  
148 60.8 44.9 83.5

