

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111823\  
 Data File : VU056514.D  
 Acq On : 19 Nov 2023 05:45  
 Operator : MD/SY  
 Sample : 05455-06  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 20 00:32:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 18 00:12:04 2023  
 Response via : Initial Calibration

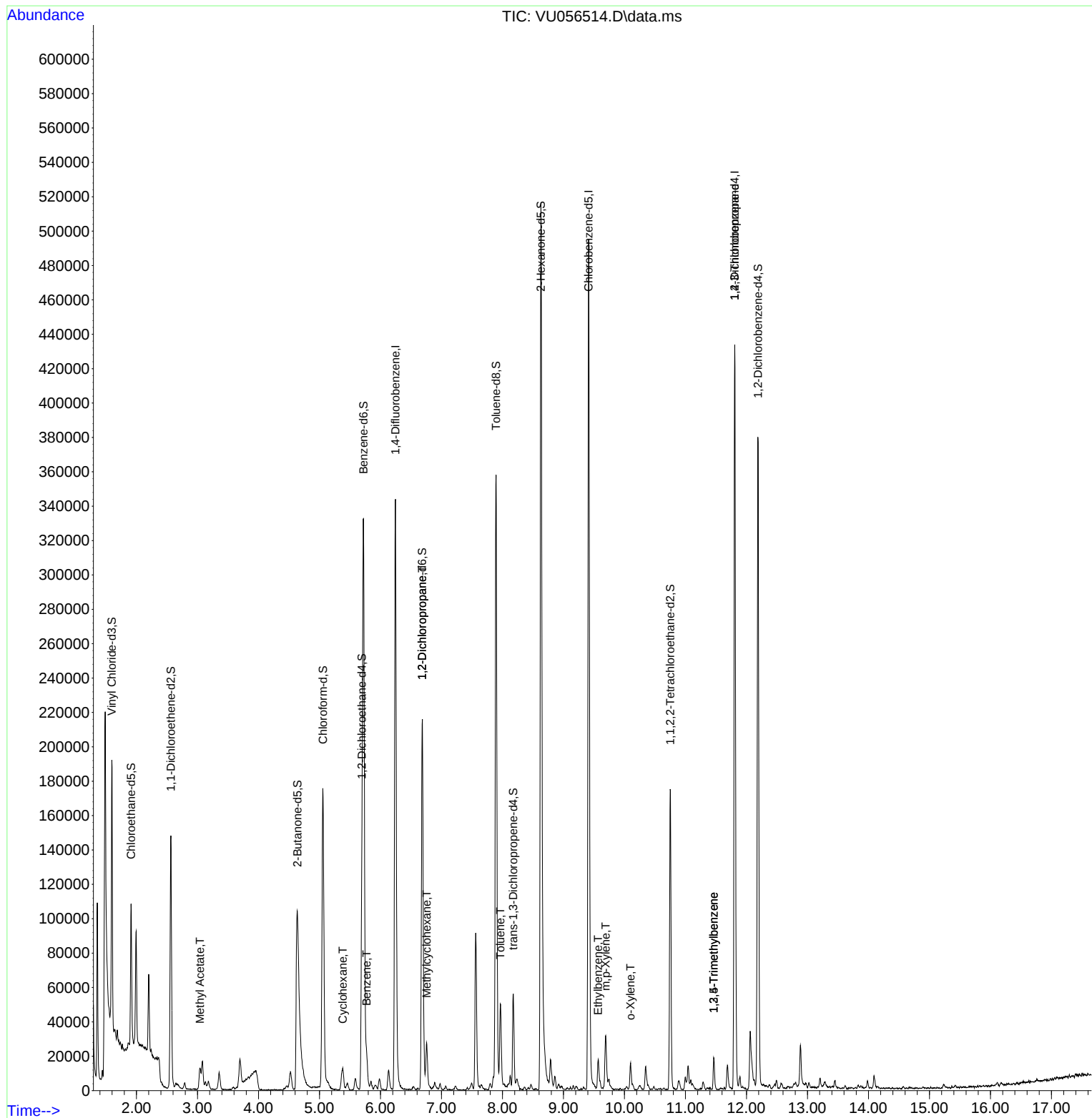
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 280212   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 282612   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 116477   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 54273    | 2.589    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 51.800%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 60805    | 3.784    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 75.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 27995    | 3.027    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 60.600%  |
| 20) 2-Butanone-d5             | 4.637  | 46    | 238572   | 57.085   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.180% |
| 24) Chloroform-d              | 5.055  | 84    | 165803   | 4.090    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 91110    | 4.864    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.200%  |
| 32) Benzene-d6                | 5.721  | 84    | 311188   | 3.696    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 74.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 107363   | 4.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 249774   | 3.359    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.200%# |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 35654    | 3.663    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.200%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 187335   | 48.979   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 88585    | 4.885    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 98320    | 4.569    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 15) Methyl Acetate            | 3.039  | 43    | 2835     | 0.448    | ug/L # | 49       |
| 30) Cyclohexane               | 5.380  | 56    | 5946     | 0.193    | ug/L   | 89       |
| 33) Benzene                   | 5.772  | 78    | 17339    | 0.215    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.756  | 83    | 10231    | 0.323    | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 11758    | 0.559    | ug/L # | 89       |
| 42) Toluene                   | 7.965  | 91    | 37954    | 0.455    | ug/L   | 100      |
| 52) Ethylbenzene              | 9.570  | 91    | 13104    | 0.141    | ug/L   | 94       |
| 53) m,p-Xylene                | 9.692  | 106   | 9530     | 0.280    | ug/L   | 98       |
| 54) o-Xylene                  | 10.097 | 106   | 4478     | 0.135    | ug/L   | 77       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 15056    | 1.507    | ug/L # | 68       |
| 62) 1,3,5-Trimethylbenzene    | 11.463 | 105   | 10263    | 0.166    | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105   | 10263    | 0.169    | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

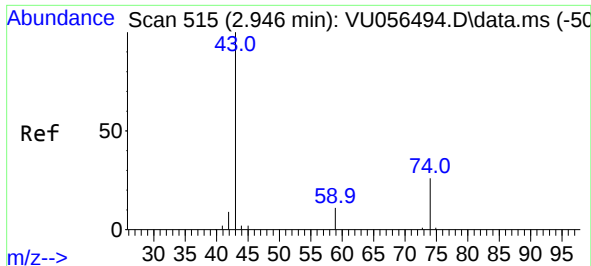
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 47 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

Quant Time: Nov 20 00:32:17 2023  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 18 00:12:04 2023  
Response via : Initial Calibration

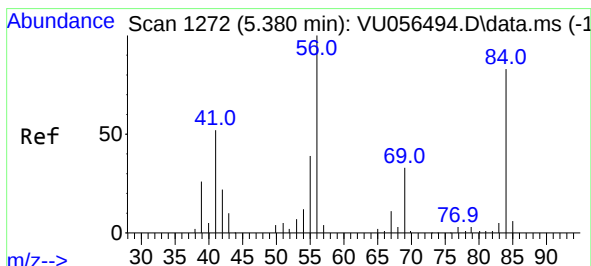
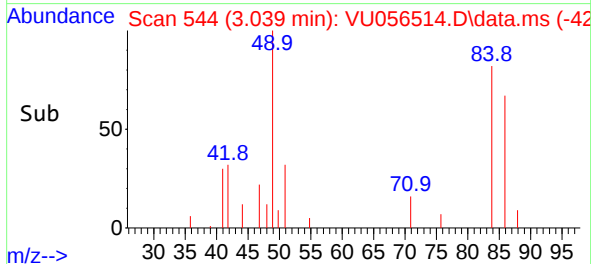
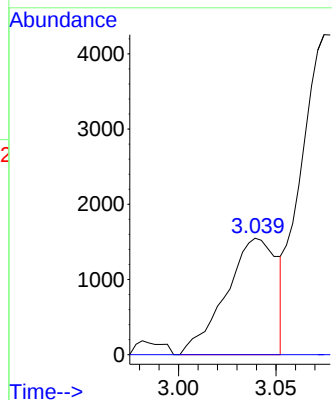
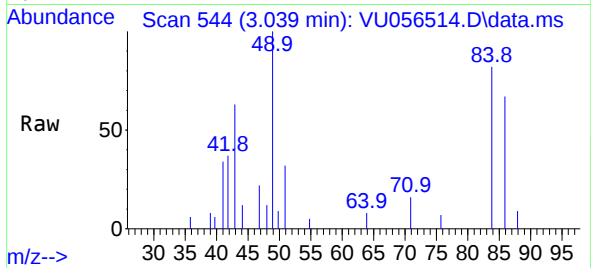




#15  
Methyl Acetate  
Concen: 0.448 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.090 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

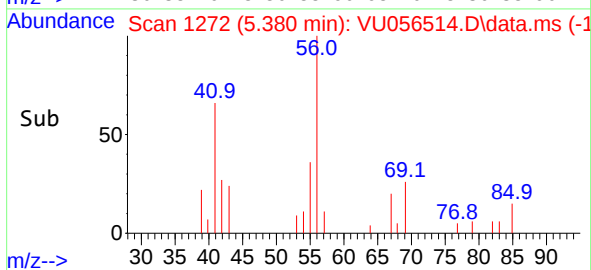
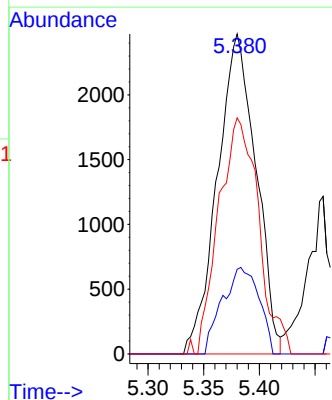
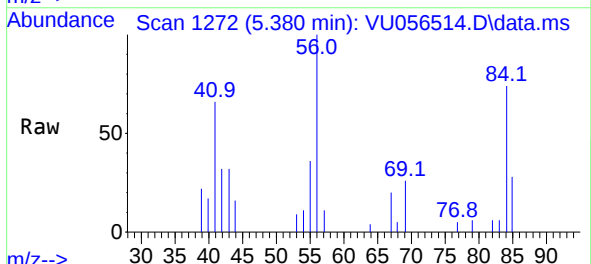
Instrument :  
MSVOA\_U  
ClientSampleId :

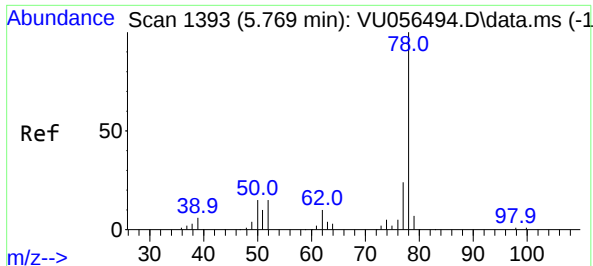
Tgt Ion: 43 Resp: 2835  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.6 31.0#



#30  
Cyclohexane  
Concen: 0.193 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.003 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

Tgt Ion: 56 Resp: 5946  
Ion Ratio Lower Upper  
56 100  
69 25.7 25.4 38.2  
84 75.8 68.6 103.0

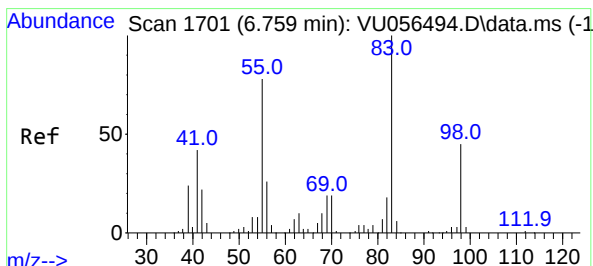
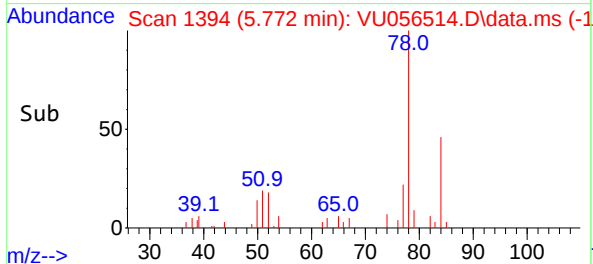
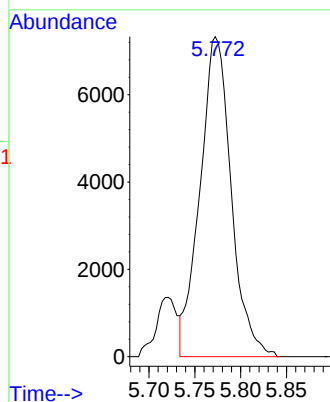
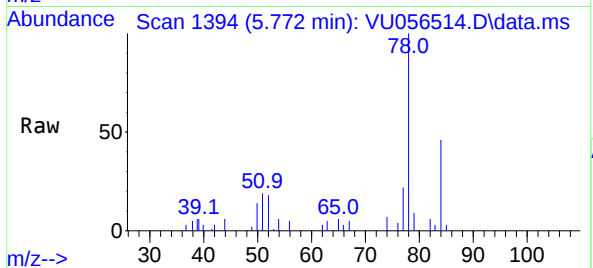




#33  
Benzene  
Concen: 0.215 ug/L  
RT: 5.772 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

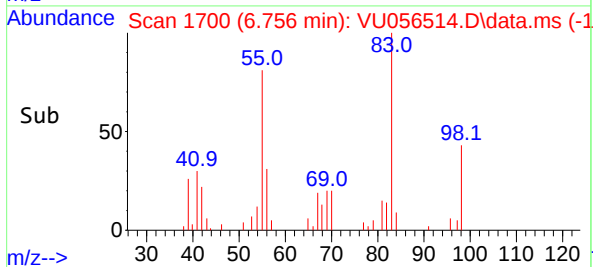
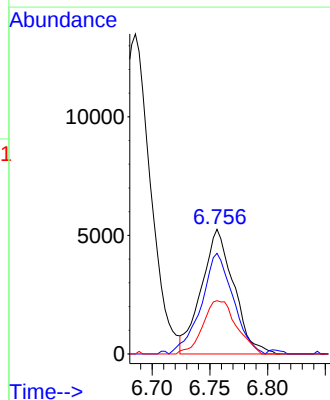
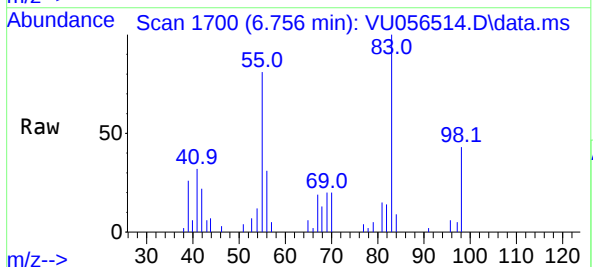
Instrument :  
MSVOA\_U  
ClientSampleId :

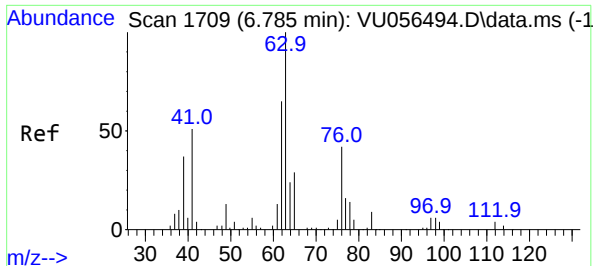
Tgt Ion: 78 Resp: 17339



#35  
Methylcyclohexane  
Concen: 0.323 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

Tgt Ion: 83 Resp: 10231  
Ion Ratio Lower Upper  
83 100  
55 79.9 62.9 94.3  
98 44.3 35.3 52.9

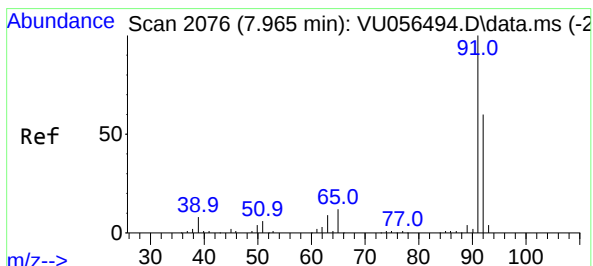
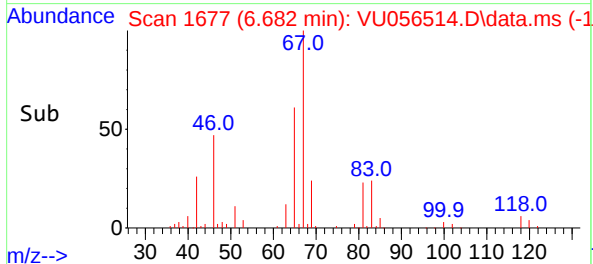
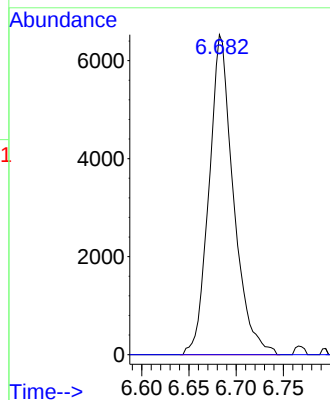
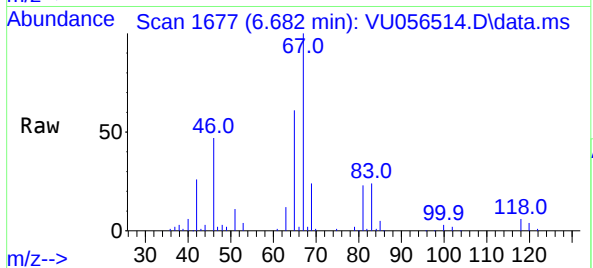




#37  
1,2-Dichloropropane  
Concen: 0.559 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

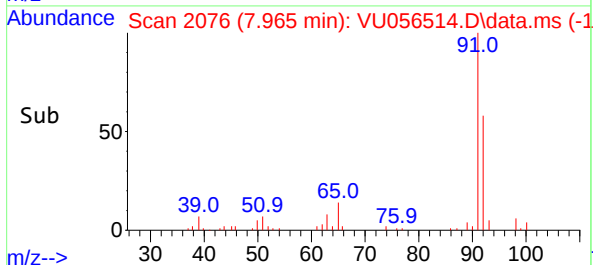
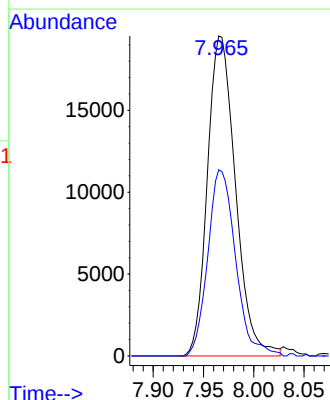
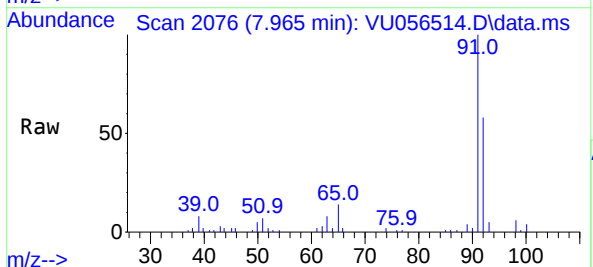
Instrument :  
MSVOA\_U  
ClientSampleId :

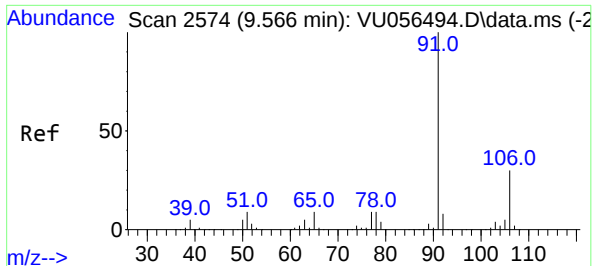
Tgt Ion: 63 Resp: 11758  
Ion Ratio Lower Upper  
63 100  
112 0.3 3.2 4.8#



#42  
Toluene  
Concen: 0.455 ug/L  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.000 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

Tgt Ion: 91 Resp: 37954  
Ion Ratio Lower Upper  
91 100  
92 58.2 40.6 75.4





#52

Ethylbenzene

Concen: 0.141 ug/L

RT: 9.570 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU056514.D

Acq: 19 Nov 2023 05:45

Instrument :

MSVOA\_U

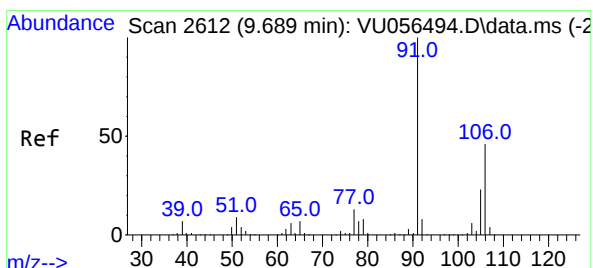
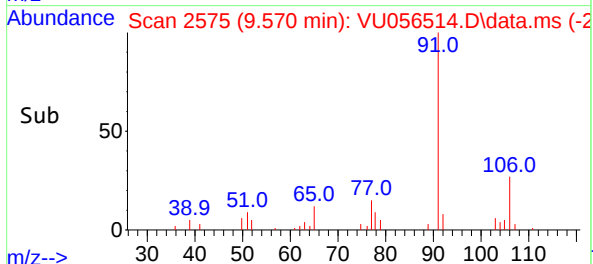
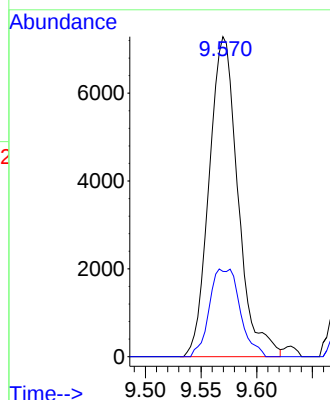
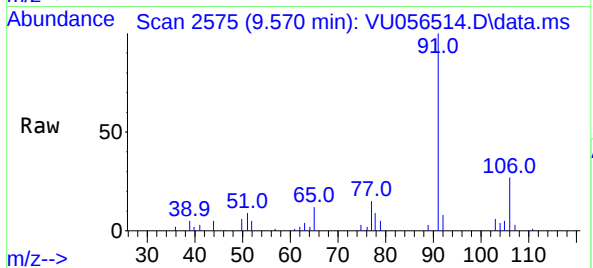
ClientSampleId :

Tgt Ion: 91 Resp: 13104

Ion Ratio Lower Upper

91 100

106 26.7 21.1 39.1



#53

m,p-Xylene

Concen: 0.280 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.000 min

Lab File: VU056514.D

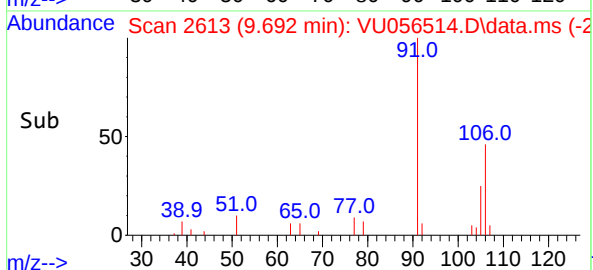
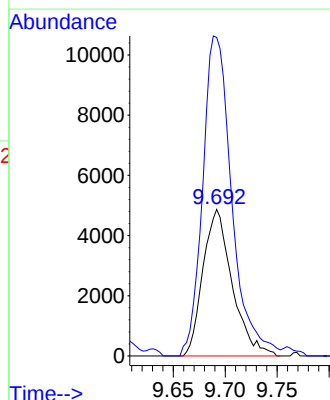
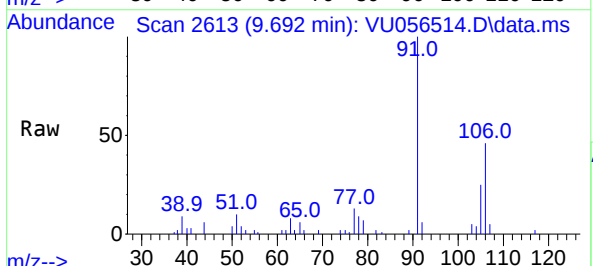
Acq: 19 Nov 2023 05:45

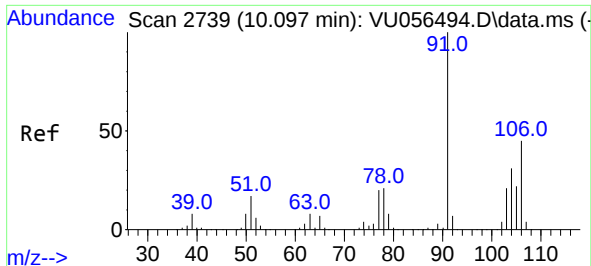
Tgt Ion:106 Resp: 9530

Ion Ratio Lower Upper

106 100

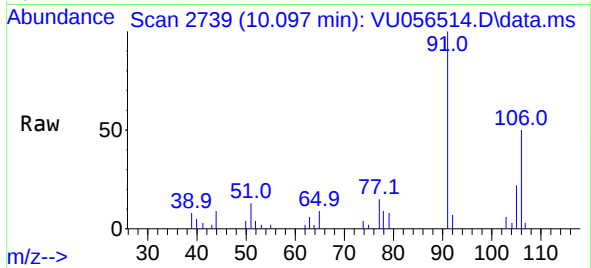
91 217.3 149.6 277.8



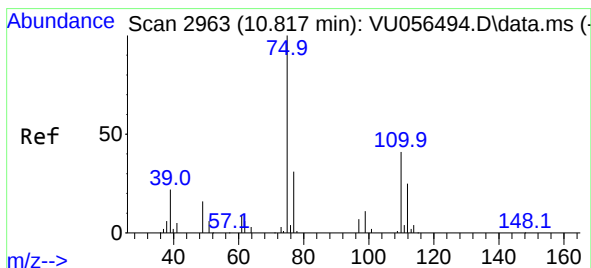
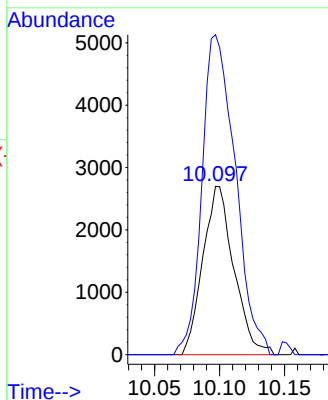
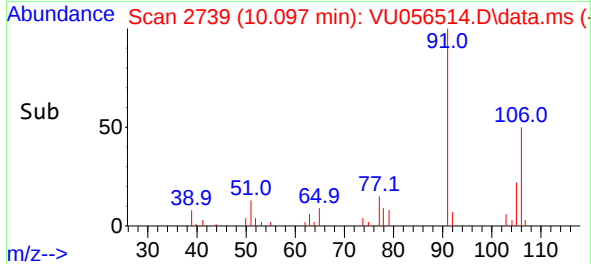


#54  
o-Xylene  
Concen: 0.135 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45

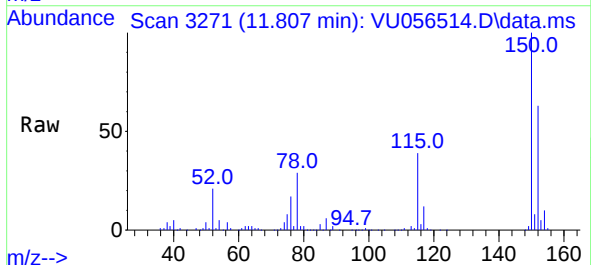
Instrument :  
MSVOA\_U  
ClientSampleId :



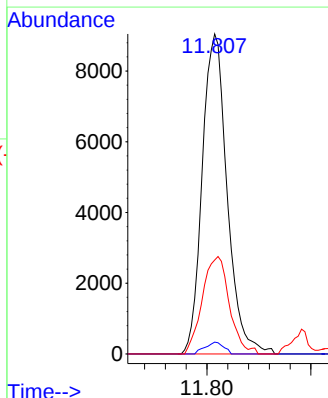
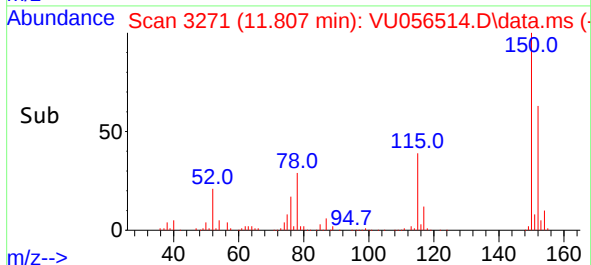
Tgt Ion:106 Resp: 4478  
Ion Ratio Lower Upper  
106 100  
91 190.1 159.3 295.9

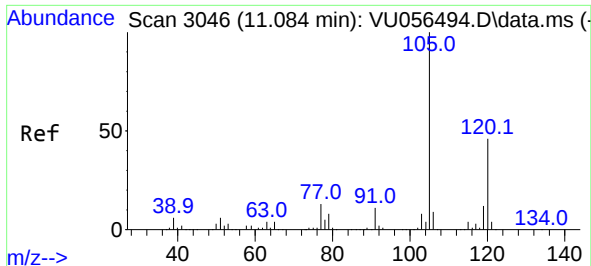


#61  
1,2,3-Trichloropropane  
Concen: 1.507 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU056514.D  
Acq: 19 Nov 2023 05:45



Tgt Ion: 75 Resp: 15056  
Ion Ratio Lower Upper  
75 100  
110 2.7 30.4 45.6#  
77 33.0 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 0.166 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.379 min

Lab File: VU056514.D

Acq: 19 Nov 2023 05:45

Instrument :

MSVOA\_U

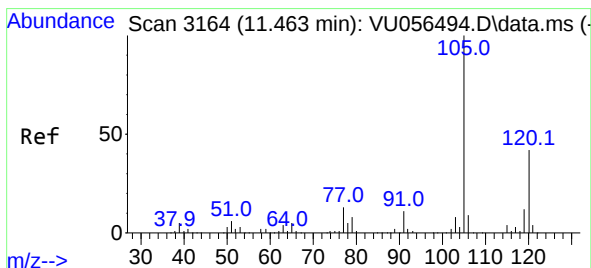
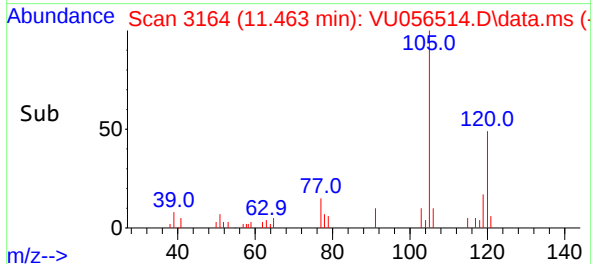
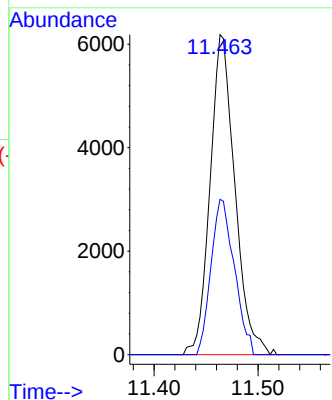
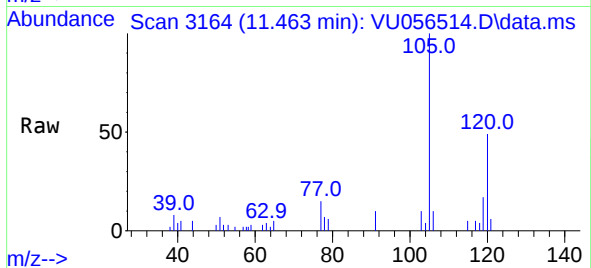
ClientSampleId :

Tgt Ion:105 Resp: 10263

Ion Ratio Lower Upper

105 100

120 45.6 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 0.169 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056514.D

Acq: 19 Nov 2023 05:45

Tgt Ion:105 Resp: 10263

Ion Ratio Lower Upper

105 100

120 45.6 34.0 51.0

