

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072224\  
 Data File : VU060093.D  
 Acq On : 22 Jul 2024 15:10  
 Operator : MD/SY  
 Sample : P3244-04 100X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YDZD5

Quant Time: Jul 23 06:38:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jul 20 01:37:26 2024  
 Response via : Initial Calibration

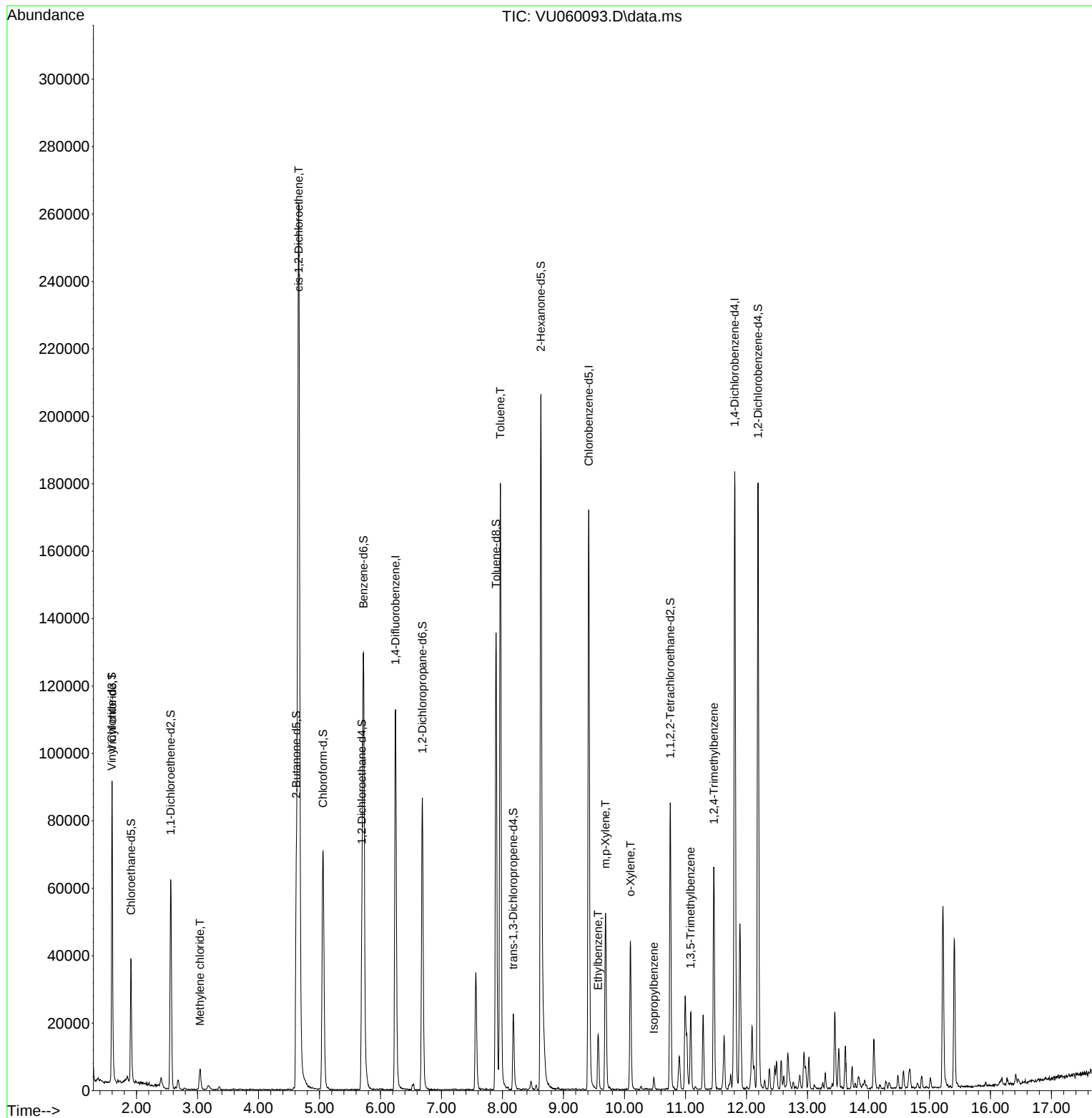
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 100594   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 107636   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 53957    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 28550    | 4.079    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.600%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 29875    | 4.595    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 11283    | 4.129    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 97263    | 59.440   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 118.880% |
| 24) Chloroform-d              | 5.055  | 84    | 71307    | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 35956    | 5.250    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.000% |
| 32) Benzene-d6                | 5.721  | 84    | 130688   | 4.532    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 44035    | 4.792    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.800%  |
| 41) Toluene-d8                | 7.894  | 98    | 98771    | 3.791    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 75.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 14369    | 4.594    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 71827    | 51.745   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.480% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 45045    | 5.508    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 48037    | 4.932    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.602  | 62    | 42344    | 4.111    | ug/L   | 99       |
| 16) Methylene chloride        | 3.039  | 84    | 3595     | 0.382    | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 146903   | 16.422   | ug/L   | 99       |
| 42) Toluene                   | 7.965  | 91    | 143929   | 3.804    | ug/L   | 99       |
| 52) Ethylbenzene              | 9.569  | 91    | 12303    | 0.326    | ug/L   | 100      |
| 53) m,p-Xylene                | 9.688  | 106   | 16298    | 1.118    | ug/L   | 94       |
| 54) o-Xylene                  | 10.097 | 106   | 11914    | 0.855    | ug/L   | 100      |
| 60) Isopropylbenzene          | 10.483 | 105   | 2315     | 0.066    | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105   | 12678    | 0.470    | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.466 | 105   | 35515    | 1.363    | ug/L   | 97       |
| -----                         |        |       |          |          |        |          |

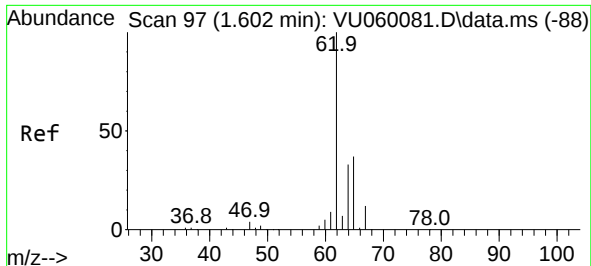
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072224\  
Data File : VU060093.D  
Acq On : 22 Jul 2024 15:10  
Operator : MD/SY  
Sample : P3244-04 100X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZD5

Quant Time: Jul 23 06:38:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jul 20 01:37:26 2024  
Response via : Initial Calibration

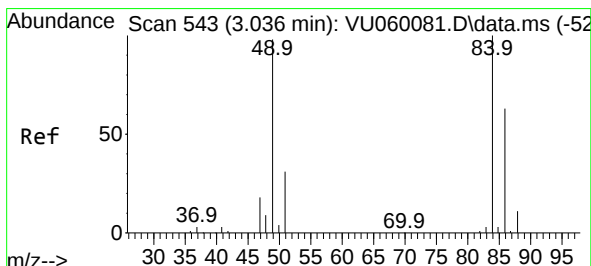
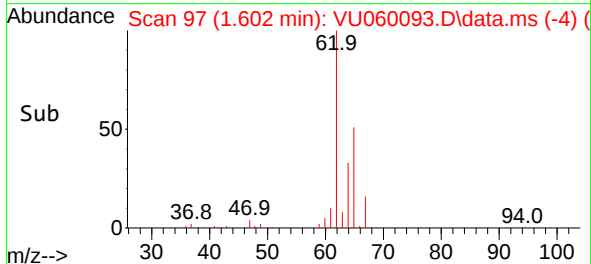
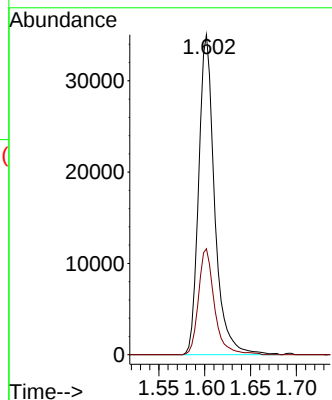
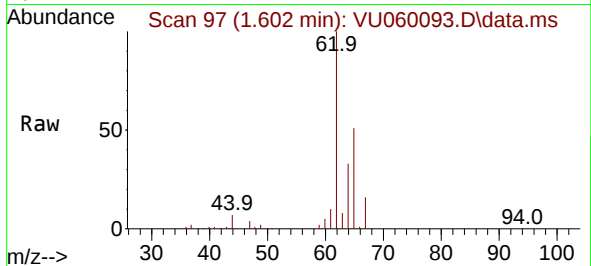




#5  
 Vinyl chloride  
 Concen: 4.111 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VU060093.D  
 Acq: 22 Jul 2024 15:10

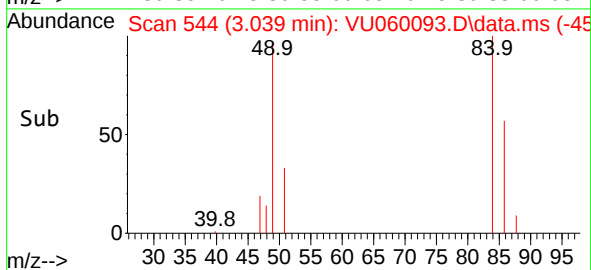
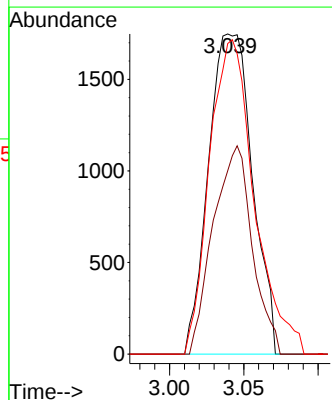
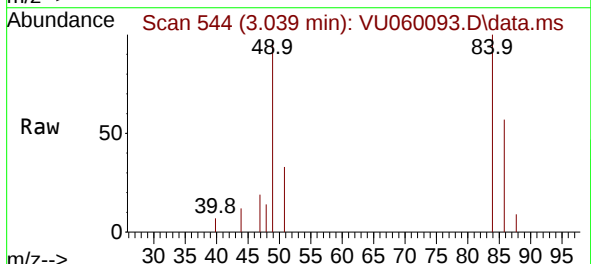
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YDZD5

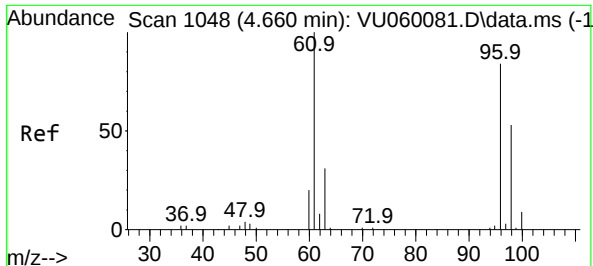
Tgt Ion: 62 Resp: 42344  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 22.8 42.4



#16  
 Methylene chloride  
 Concen: 0.382 ug/L  
 RT: 3.039 min Scan# 544  
 Delta R.T. 0.000 min  
 Lab File: VU060093.D  
 Acq: 22 Jul 2024 15:10

Tgt Ion: 84 Resp: 3595  
 Ion Ratio Lower Upper  
 84 100  
 86 57.3 44.4 82.5  
 49 97.0 72.0 133.6



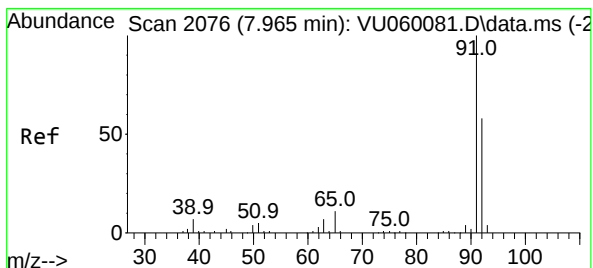
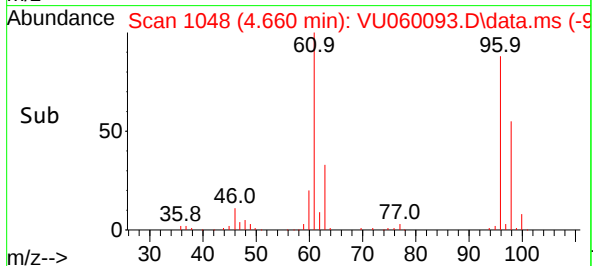
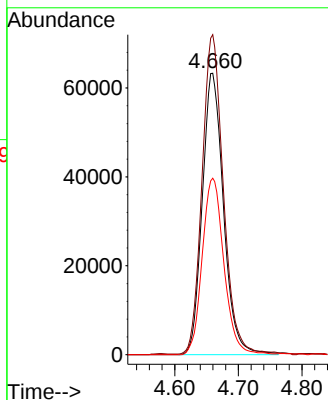
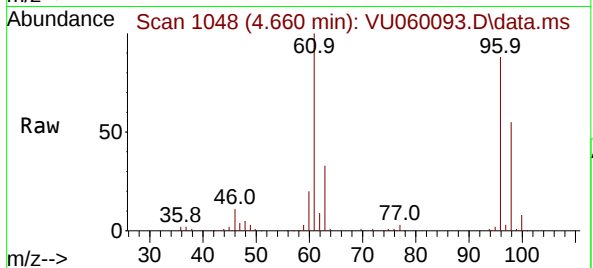


#22  
 cis-1,2-Dichloroethene  
 Concen: 16.422 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.003 min  
 Lab File: VU060093.D  
 Acq: 22 Jul 2024 15:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YDZD5

Tgt Ion: 96 Resp: 146903  

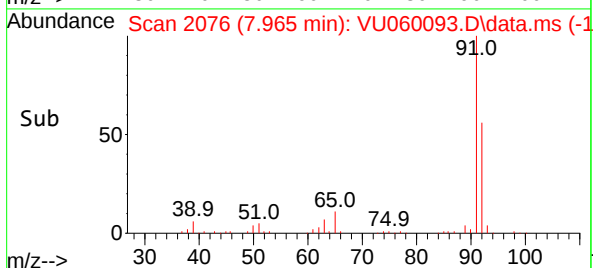
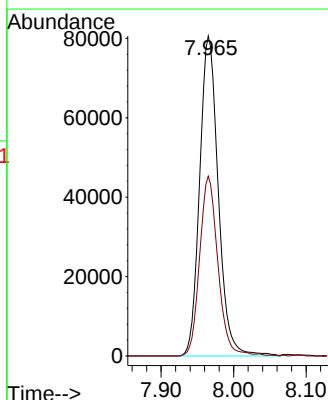
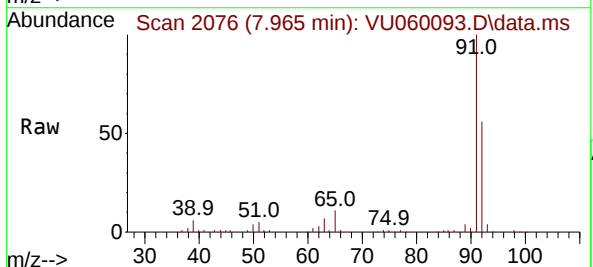
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 113.7 | 80.2  | 148.9 |
| 98  | 62.7  | 44.7  | 83.1  |

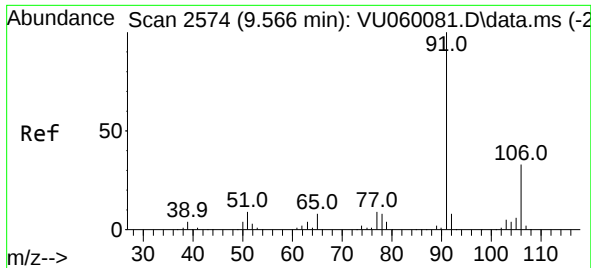


#42  
 Toluene  
 Concen: 3.804 ug/L  
 RT: 7.965 min Scan# 2076  
 Delta R.T. 0.003 min  
 Lab File: VU060093.D  
 Acq: 22 Jul 2024 15:10

Tgt Ion: 91 Resp: 143929  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 56.2  | 39.8  | 73.8  |

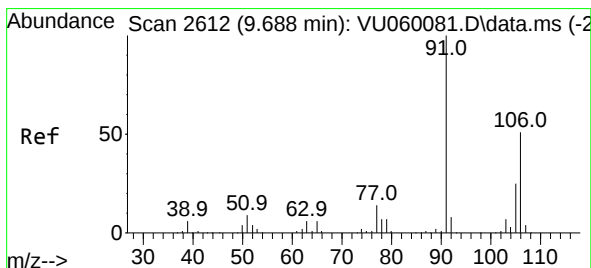
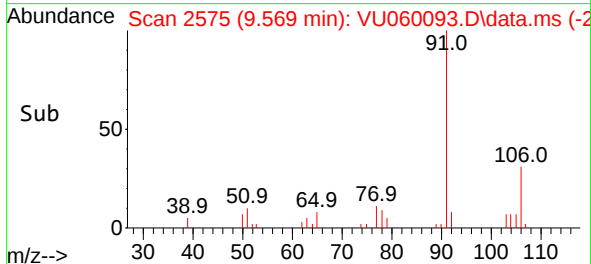
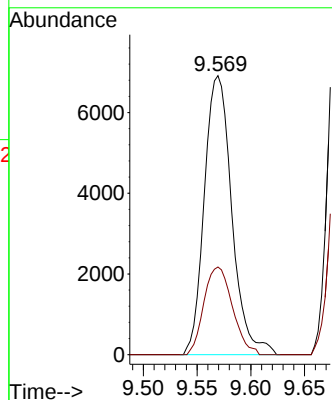
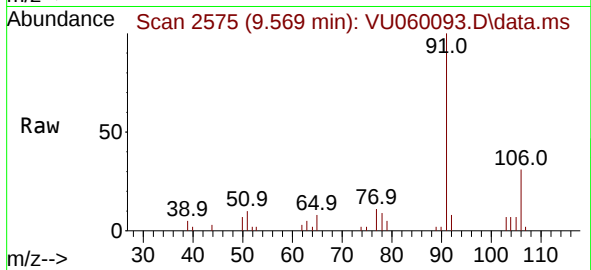




#52  
Ethylbenzene  
Concen: 0.326 ug/L  
RT: 9.569 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU060093.D  
Acq: 22 Jul 2024 15:10

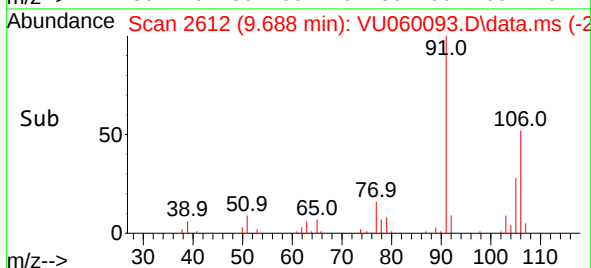
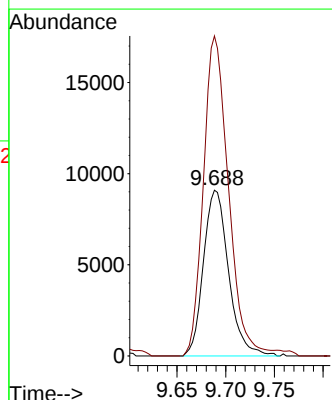
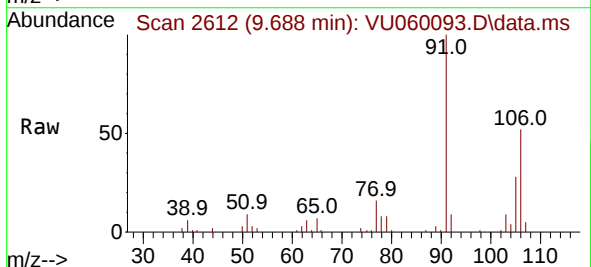
Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZD5

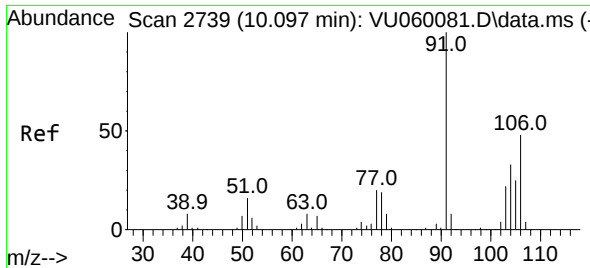
Tgt Ion: 91 Resp: 12303  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.9 40.7



#53  
m,p-Xylene  
Concen: 1.118 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.000 min  
Lab File: VU060093.D  
Acq: 22 Jul 2024 15:10

Tgt Ion:106 Resp: 16298  
Ion Ratio Lower Upper  
106 100  
91 193.0 141.3 262.5

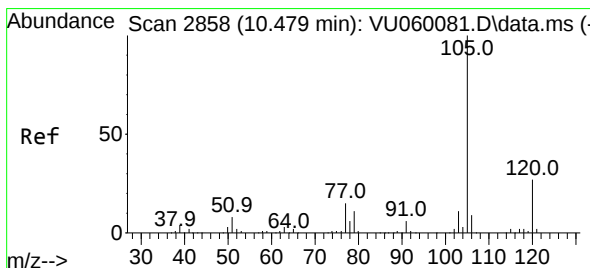
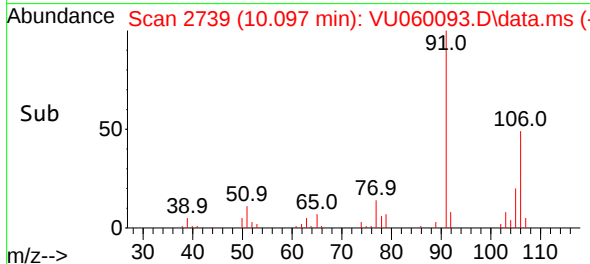
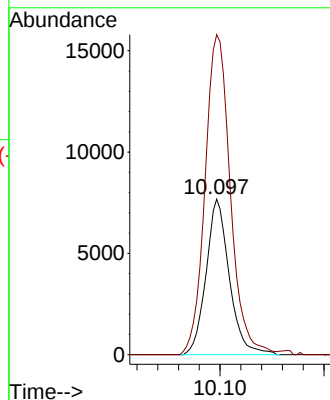
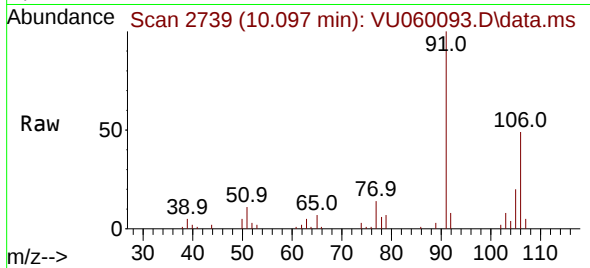




#54  
o-Xylene  
Concen: 0.855 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU060093.D  
Acq: 22 Jul 2024 15:10

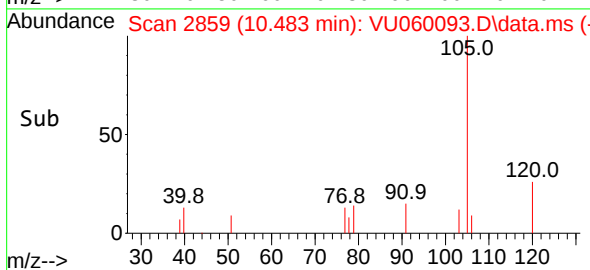
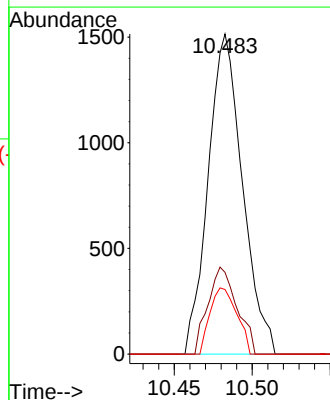
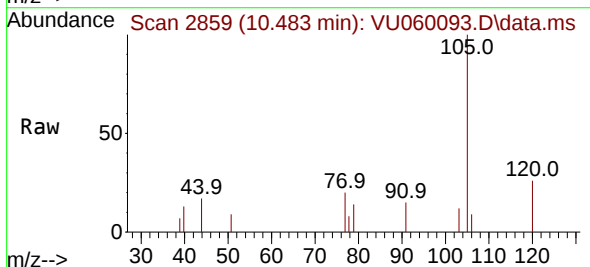
Instrument :  
MSVOA\_U  
ClientSampleId :  
YDZD5

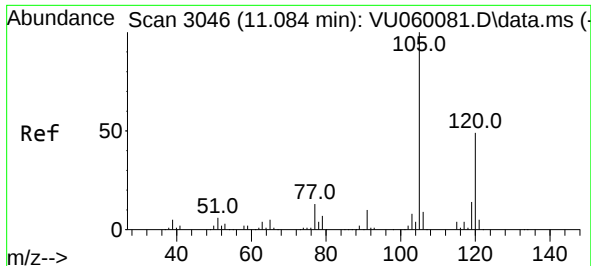
Tgt Ion:106 Resp: 11914  
Ion Ratio Lower Upper  
106 100  
91 205.8 143.6 266.6



#60  
Isopropylbenzene  
Concen: 0.066 ug/L  
RT: 10.483 min Scan# 2859  
Delta R.T. 0.006 min  
Lab File: VU060093.D  
Acq: 22 Jul 2024 15:10

Tgt Ion:105 Resp: 2315  
Ion Ratio Lower Upper  
105 100  
120 23.0 21.9 32.9  
77 16.2 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 0.470 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU060093.D

Acq: 22 Jul 2024 15:10

Instrument :

MSVOA\_U

ClientSampleId :

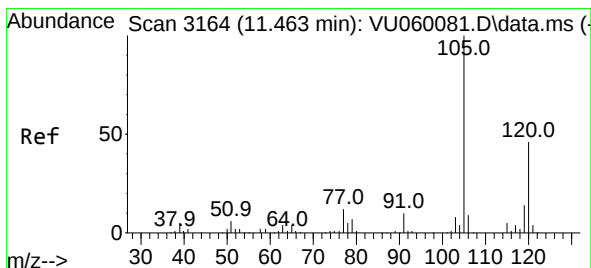
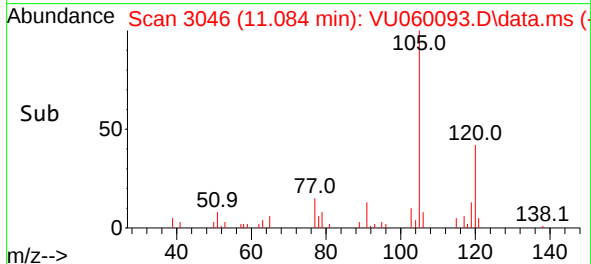
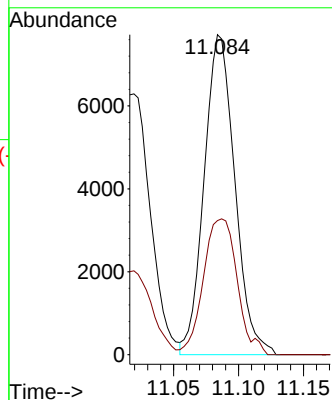
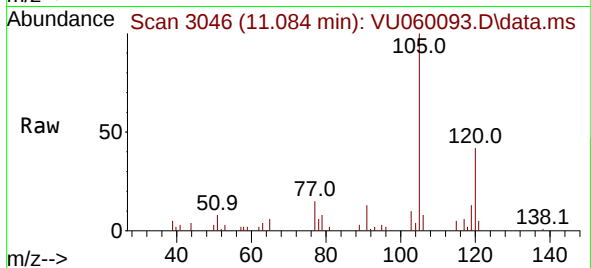
YDZD5

Tgt Ion:105 Resp: 12678

Ion Ratio Lower Upper

105 100

120 46.8 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 1.363 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU060093.D

Acq: 22 Jul 2024 15:10

Tgt Ion:105 Resp: 35515

Ion Ratio Lower Upper

105 100

120 47.9 36.7 55.1

