

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070323\  
 Data File : VU054755.D  
 Acq On : 03 Jul 2023 17:43  
 Operator : MD/SY  
 Sample : 03505-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A46X9

Quant Time: Jul 05 04:44:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 05 04:39:25 2023  
 Response via : Initial Calibration

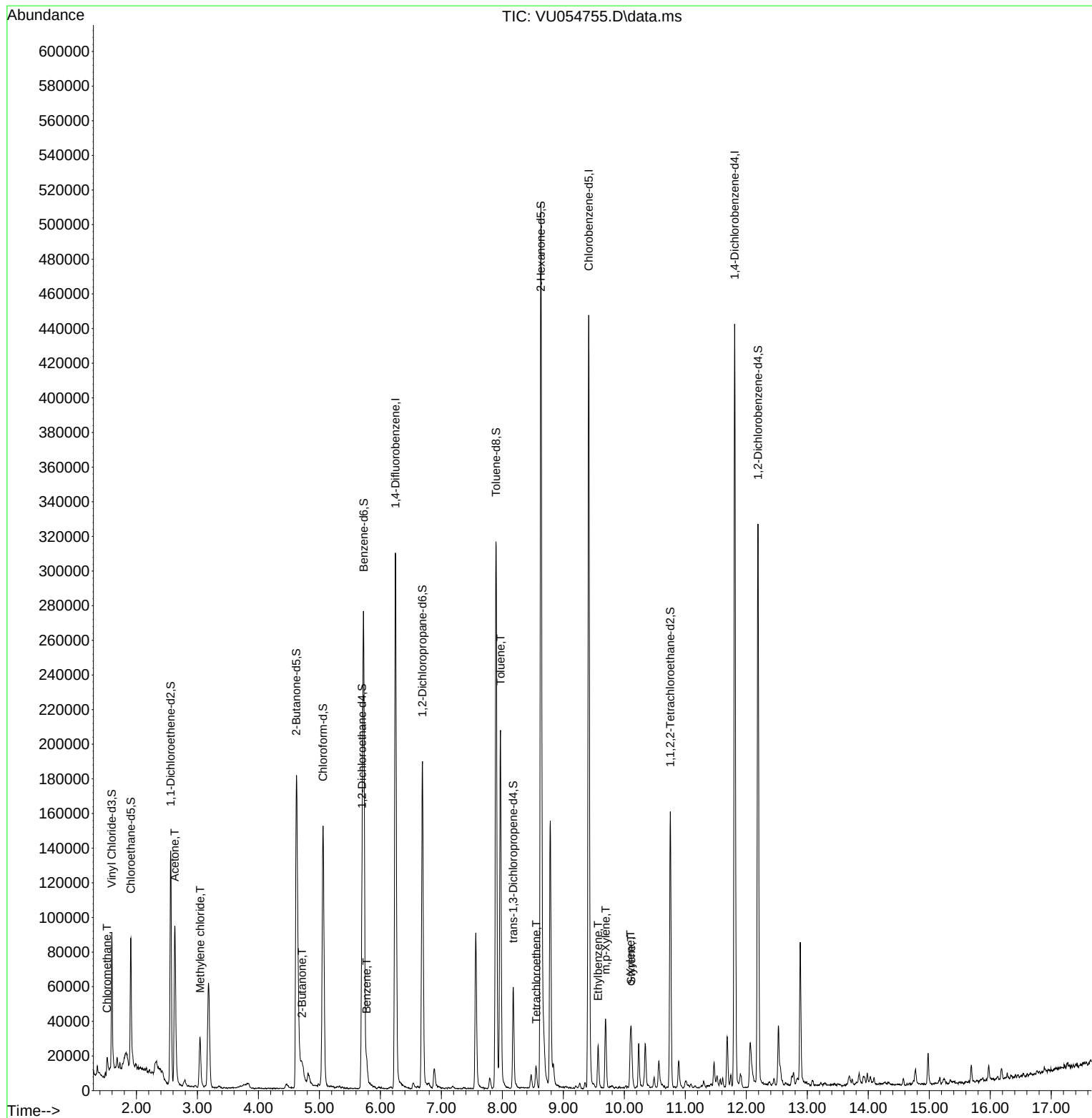
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 247691   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 244961   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 114253   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 61488    | 3.901    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 78.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 59144    | 4.007    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 80.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 25752    | 3.658    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 73.200%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 245016   | 55.284   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 110.560% |
| 24) Chloroform-d              | 5.058  | 84    | 138059   | 4.190    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 83.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 73472    | 4.574    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 91.400%  |
| 32) Benzene-d6                | 5.724  | 84    | 254046   | 3.731    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 74.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 92156    | 4.052    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 81.000%  |
| 41) Toluene-d8                | 7.894  | 98    | 213327   | 3.530    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 70.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 33401    | 4.224    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 84.400%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 164616   | 49.617   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 99.240%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 78643    | 4.637    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 92.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 86921    | 4.510    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 90.200%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 3) Chloromethane              | 1.518  | 50    | 7716     | 0.290    | ug/L  | 90       |
| 13) Acetone                   | 2.628  | 43    | 111888   | 26.775   | ug/L  | 99       |
| 16) Methylene chloride        | 3.042  | 84    | 13330    | 0.528    | ug/L  | 93       |
| 21) 2-Butanone                | 4.714  | 43    | 15726    | 2.900    | ug/L  | 97       |
| 33) Benzene                   | 5.775  | 78    | 11347    | 0.129    | ug/L  | 100      |
| 42) Toluene                   | 7.968  | 91    | 152845   | 1.686    | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.557  | 164   | 2888     | 0.162    | ug/L  | 90       |
| 52) Ethylbenzene              | 9.570  | 91    | 15926    | 0.161    | ug/L  | 93       |
| 53) m,p-Xylene                | 9.692  | 106   | 11824    | 0.325    | ug/L  | 88       |
| 54) o-Xylene                  | 10.100 | 106   | 5735     | 0.163    | ug/L  | 94       |
| 55) Styrene                   | 10.113 | 104   | 12861    | 0.218    | ug/L  | 99       |
| -----                         |        |       |          |          |       |          |

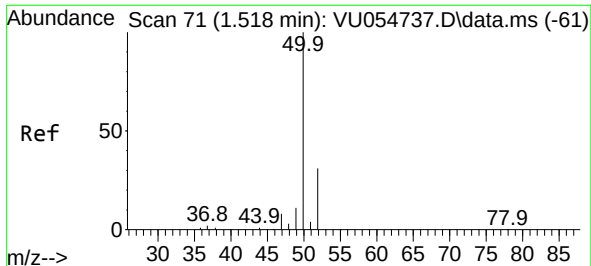
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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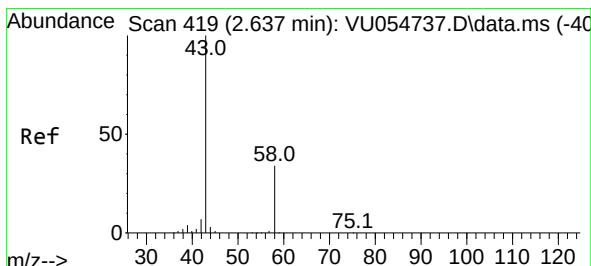
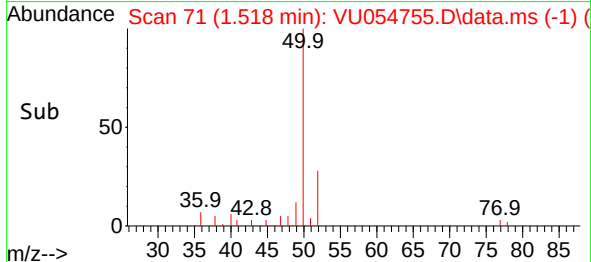
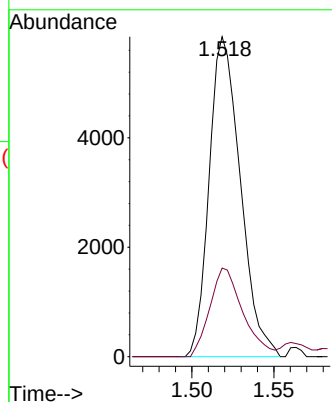
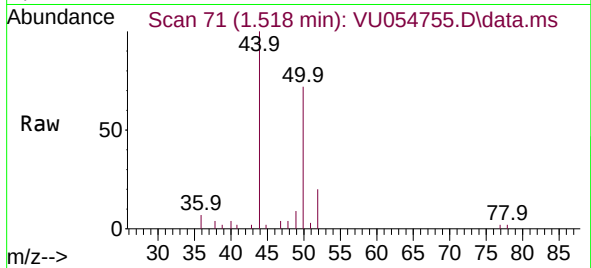




#3  
Chloromethane  
Concen: 0.290 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU054755.D  
Acq: 03 Jul 2023 17:43

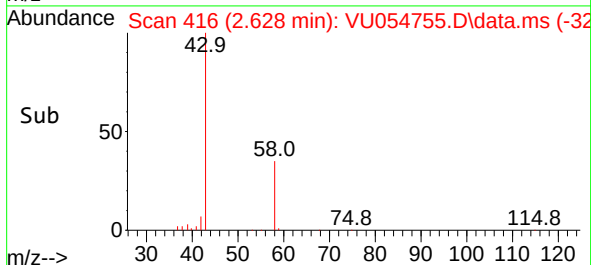
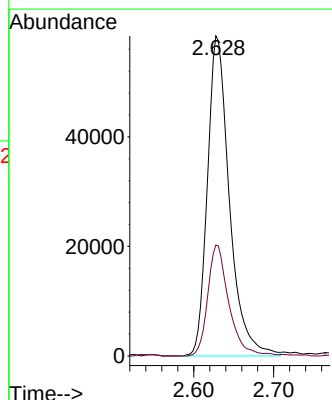
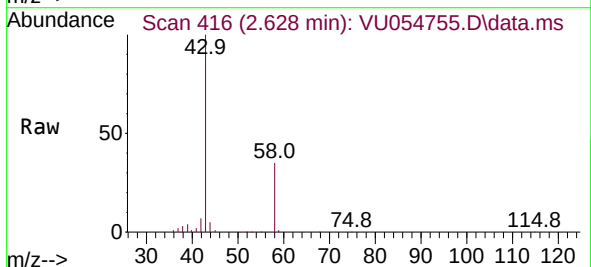
Instrument :  
MSVOA\_U  
ClientSampleId :  
A46X9

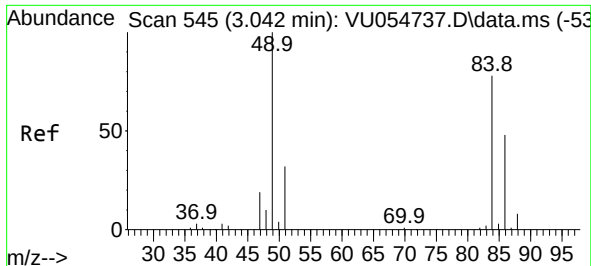
Tgt Ion: 50 Resp: 7716  
Ion Ratio Lower Upper  
50 100  
52 27.7 23.4 43.4



#13  
Acetone  
Concen: 26.775 ug/L  
RT: 2.628 min Scan# 416  
Delta R.T. -0.010 min  
Lab File: VU054755.D  
Acq: 03 Jul 2023 17:43

Tgt Ion: 43 Resp: 111888  
Ion Ratio Lower Upper  
43 100  
58 33.2 0.0 67.2

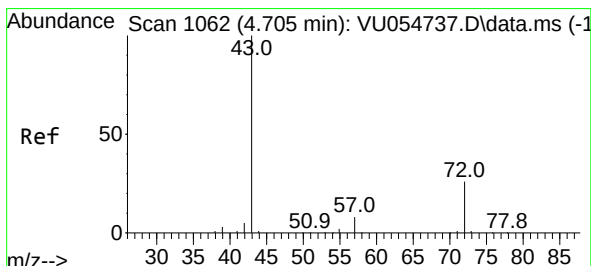
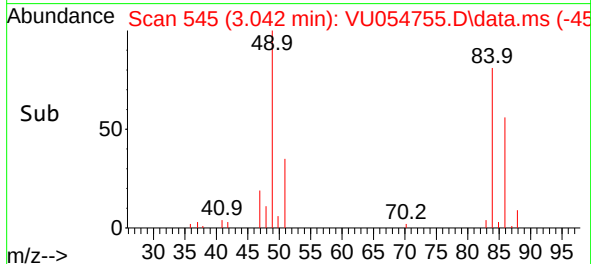
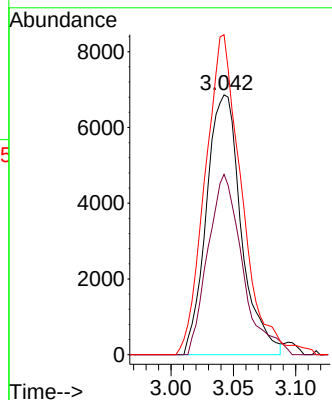
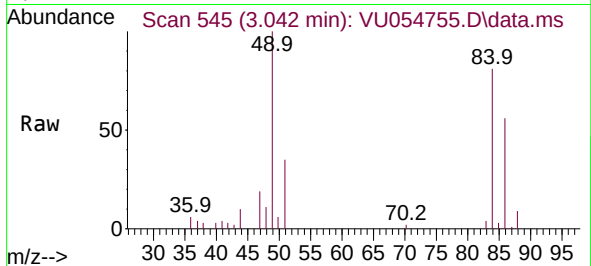




#16  
Methylene chloride  
Concen: 0.528 ug/L  
RT: 3.042 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VU054755.D  
Acq: 03 Jul 2023 17:43

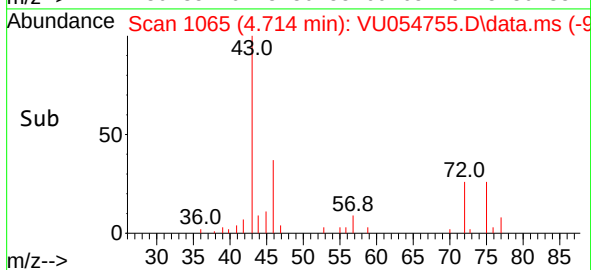
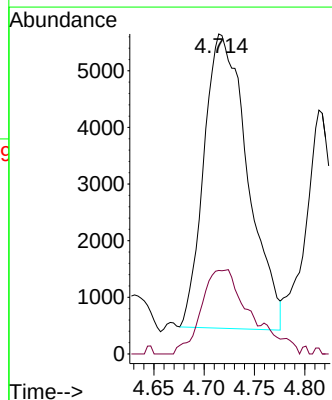
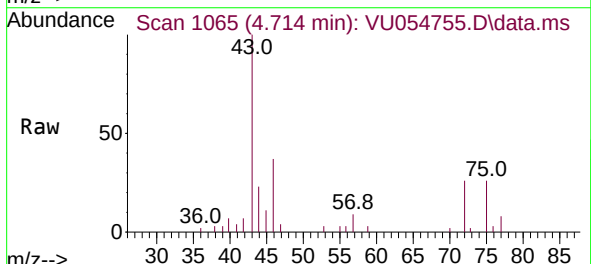
Instrument :  
MSVOA\_U  
ClientSampleId :  
A46X9

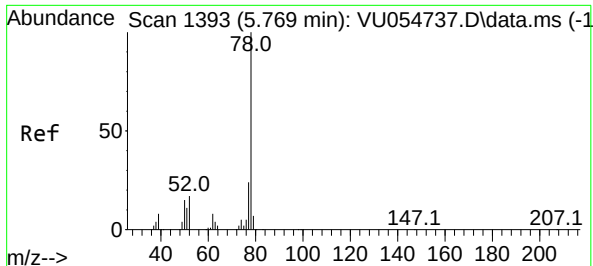
Tgt Ion: 84 Resp: 13330  
Ion Ratio Lower Upper  
84 100  
86 69.4 43.9 81.5  
49 130.6 86.1 159.9



#21  
2-Butanone  
Concen: 2.900 ug/L  
RT: 4.714 min Scan# 1065  
Delta R.T. 0.010 min  
Lab File: VU054755.D  
Acq: 03 Jul 2023 17:43

Tgt Ion: 43 Resp: 15726  
Ion Ratio Lower Upper  
43 100  
72 28.0 13.4 40.1

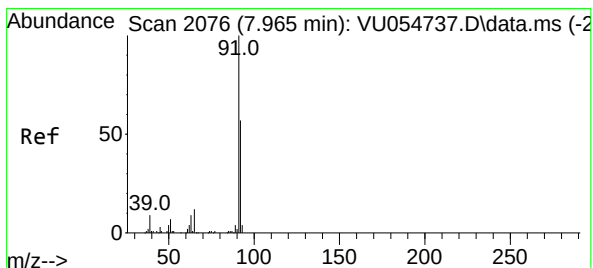
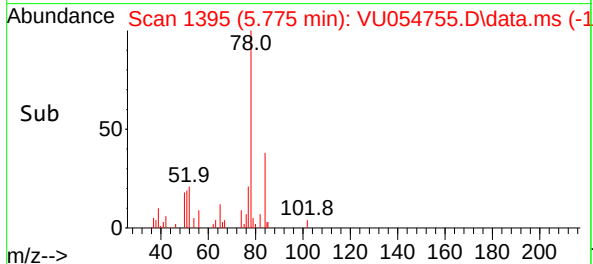
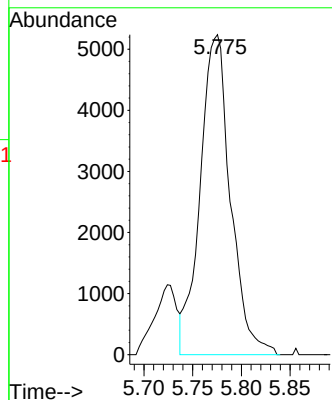
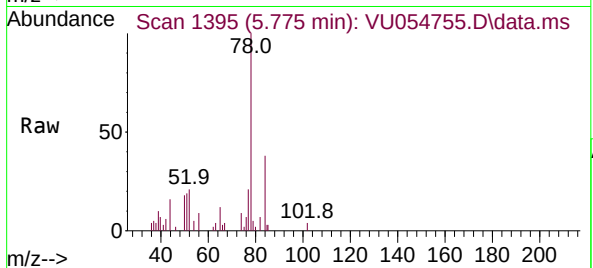




#33  
Benzene  
Concen: 0.129 ug/L  
RT: 5.775 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VU054755.D  
Acq: 03 Jul 2023 17:43

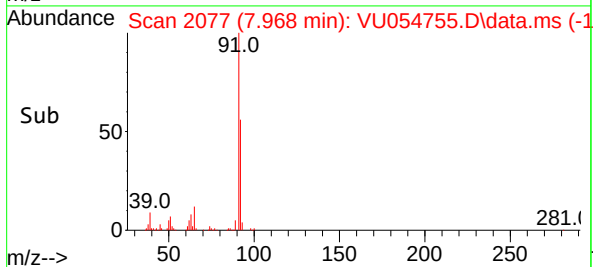
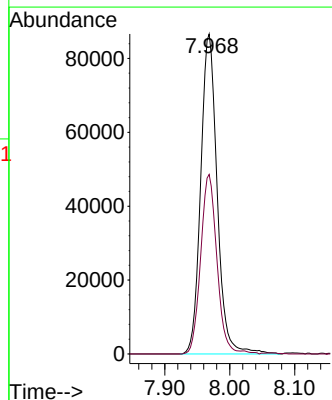
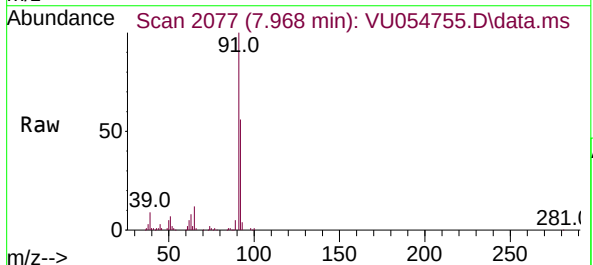
Instrument :  
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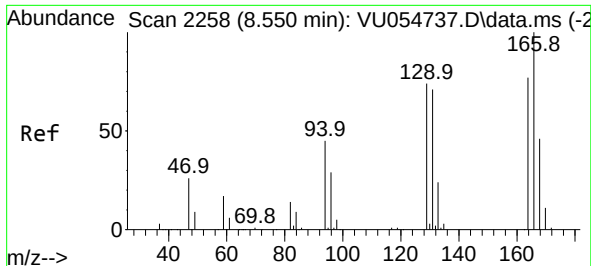
Tgt Ion: 78 Resp: 11347



#42  
Toluene  
Concen: 1.686 ug/L  
RT: 7.968 min Scan# 2077  
Delta R.T. 0.003 min  
Lab File: VU054755.D  
Acq: 03 Jul 2023 17:43

Tgt Ion: 91 Resp: 152845  
Ion Ratio Lower Upper  
91 100  
92 56.1 39.5 73.4





#47

Tetrachloroethene

Concen: 0.162 ug/L

RT: 8.557 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU054755.D

Acq: 03 Jul 2023 17:43

Instrument :

MSVOA\_U

ClientSampleId :

A46X9

Tgt Ion:164 Resp: 2888

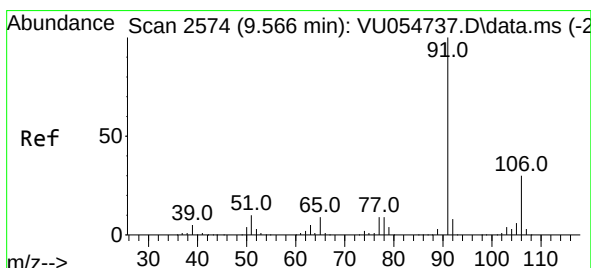
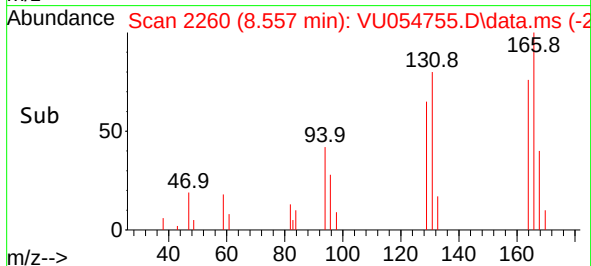
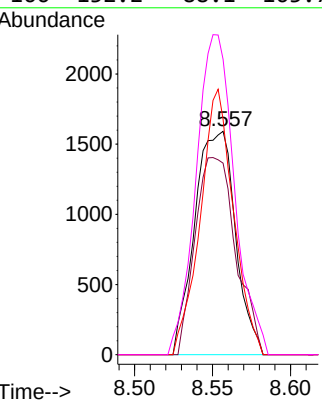
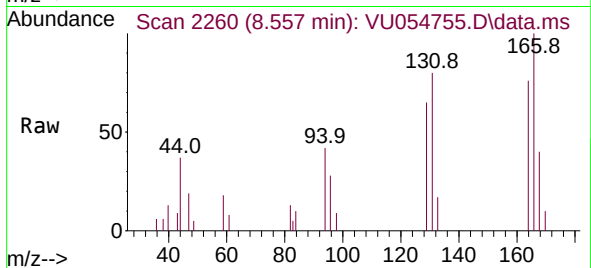
Ion Ratio Lower Upper

164 100

129 85.7 67.7 125.7

131 105.3 64.6 120.0

166 132.2 88.1 163.7



#52

Ethylbenzene

Concen: 0.161 ug/L

RT: 9.570 min Scan# 2575

Delta R.T. 0.003 min

Lab File: VU054755.D

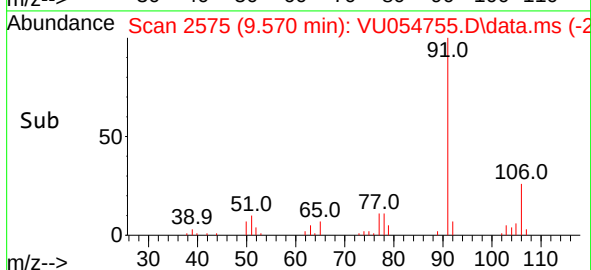
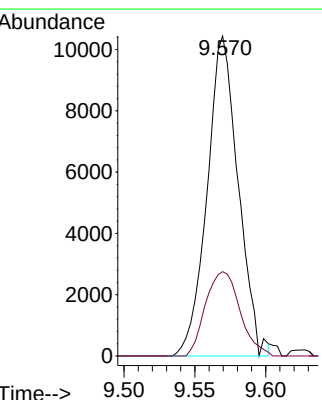
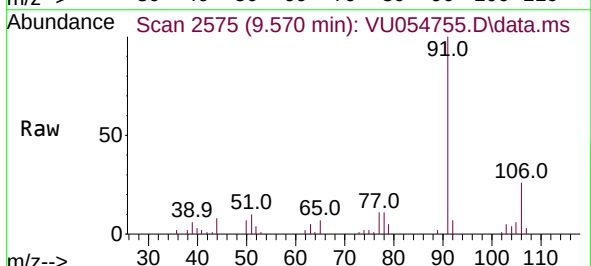
Acq: 03 Jul 2023 17:43

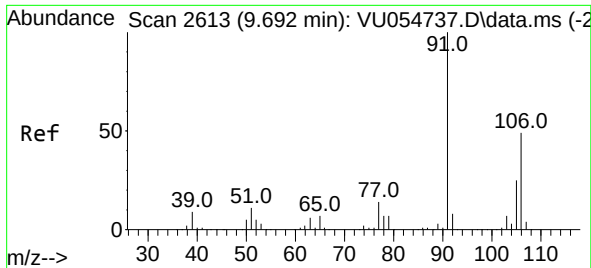
Tgt Ion: 91 Resp: 15926

Ion Ratio Lower Upper

91 100

106 26.4 21.1 39.3

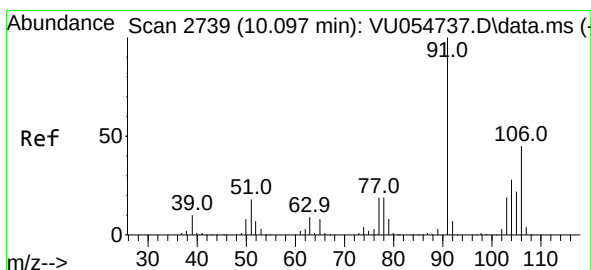
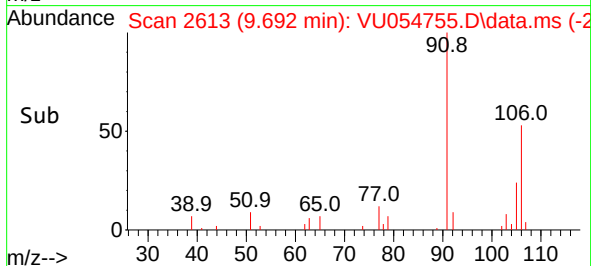
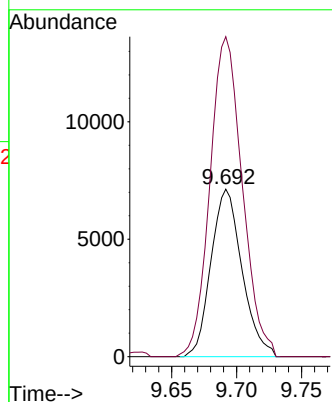
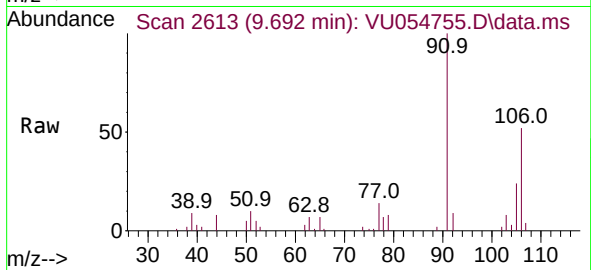




#53  
m,p-Xylene  
Concen: 0.325 ug/L  
RT: 9.692 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VU054755.D  
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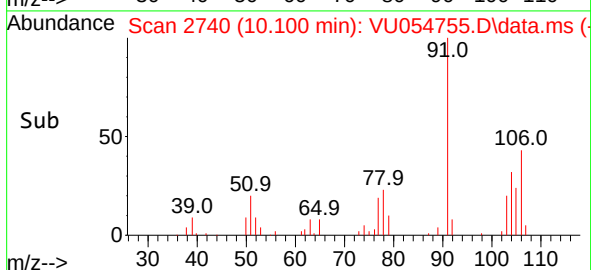
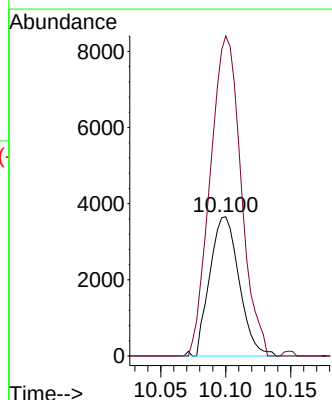
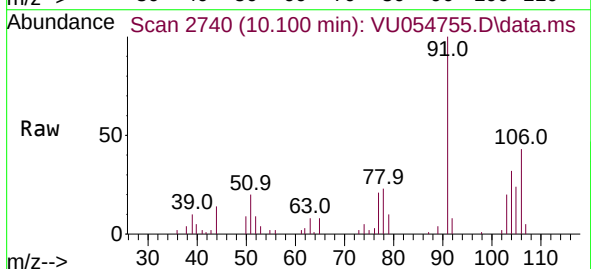
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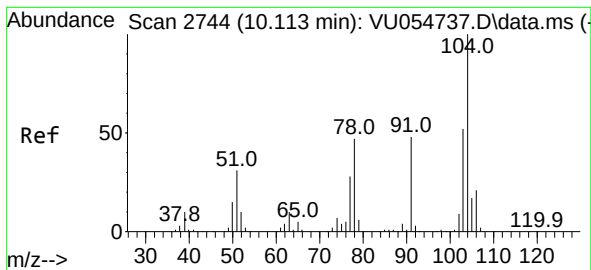
Tgt Ion:106 Resp: 11824  
Ion Ratio Lower Upper  
106 100  
91 191.0 147.0 273.0



#54  
o-Xylene  
Concen: 0.163 ug/L  
RT: 10.100 min Scan# 2740  
Delta R.T. 0.003 min  
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Acq: 03 Jul 2023 17:43

Tgt Ion:106 Resp: 5735  
Ion Ratio Lower Upper  
106 100  
91 229.9 154.5 286.9





#55

Styrene

Concen: 0.218 ug/L

RT: 10.113 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054755.D

Acq: 03 Jul 2023 17:43

Instrument :

MSVOA\_U

ClientSampleId :

A46X9

Tgt Ion:104 Resp: 12861

Ion Ratio Lower Upper

104 100

78 48.0 33.0 61.4

