

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121223\  
 Data File : VU056792.D  
 Acq On : 12 Dec 2023 17:45  
 Operator : MD/SY  
 Sample : 05664-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 13 00:34:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 13 00:30:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 230940   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 231679   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.808 | 152   | 103998   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 87855    | 4.438    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.800%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 71056    | 4.797    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.564  | 65    | 38513    | 4.547    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 91.000%  |
| 20) 2-Butanone-d5             | 4.625  | 46    | 212909   | 54.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.920% |
| 24) Chloroform-d              | 5.055  | 84    | 190424   | 5.080    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.600% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 94703    | 5.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.800% |
| 32) Benzene-d6                | 5.721  | 84    | 368039   | 5.122    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.400% |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 114070   | 5.072    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.400% |
| 41) Toluene-d8                | 7.894  | 98    | 314799   | 4.901    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 39760    | 4.558    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.200%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 170293   | 51.764   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 84757    | 5.208    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 104325   | 5.103    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.515  | 50    | 5310     | 0.223    | ug/L   | 97       |
| 13) Acetone                   | 2.641  | 43    | 41313    | 17.341   | ug/L   | 92       |
| 14) Carbon disulfide          | 2.789  | 76    | 69611    | 1.070    | ug/L   | 98       |
| 15) Methyl Acetate            | 3.039  | 43    | 1414     | 0.218    | ug/L # | 49       |
| 21) 2-Butanone                | 4.718  | 43    | 18909    | 4.707    | ug/L   | 77       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 6267     | 0.303    | ug/L   | 93       |
| 33) Benzene                   | 5.772  | 78    | 14073    | 0.173    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.756  | 83    | 8100     | 0.246    | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 12517    | 0.601    | ug/L # | 88       |
| 42) Toluene                   | 7.968  | 91    | 59100    | 0.702    | ug/L   | 94       |
| 48) 2-Hexanone                | 8.679  | 43    | 8851     | 1.257    | ug/L # | 82       |
| 52) Ethylbenzene              | 9.570  | 91    | 26103    | 0.281    | ug/L   | 99       |
| 53) m,p-Xylene                | 9.692  | 106   | 9114     | 0.263    | ug/L   | 91       |
| 54) o-Xylene                  | 10.100 | 106   | 4308     | 0.131    | ug/L   | 93       |
| 55) Styrene                   | 10.116 | 104   | 12130    | 0.224    | ug/L   | 90       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105   | 13392    | 0.201    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

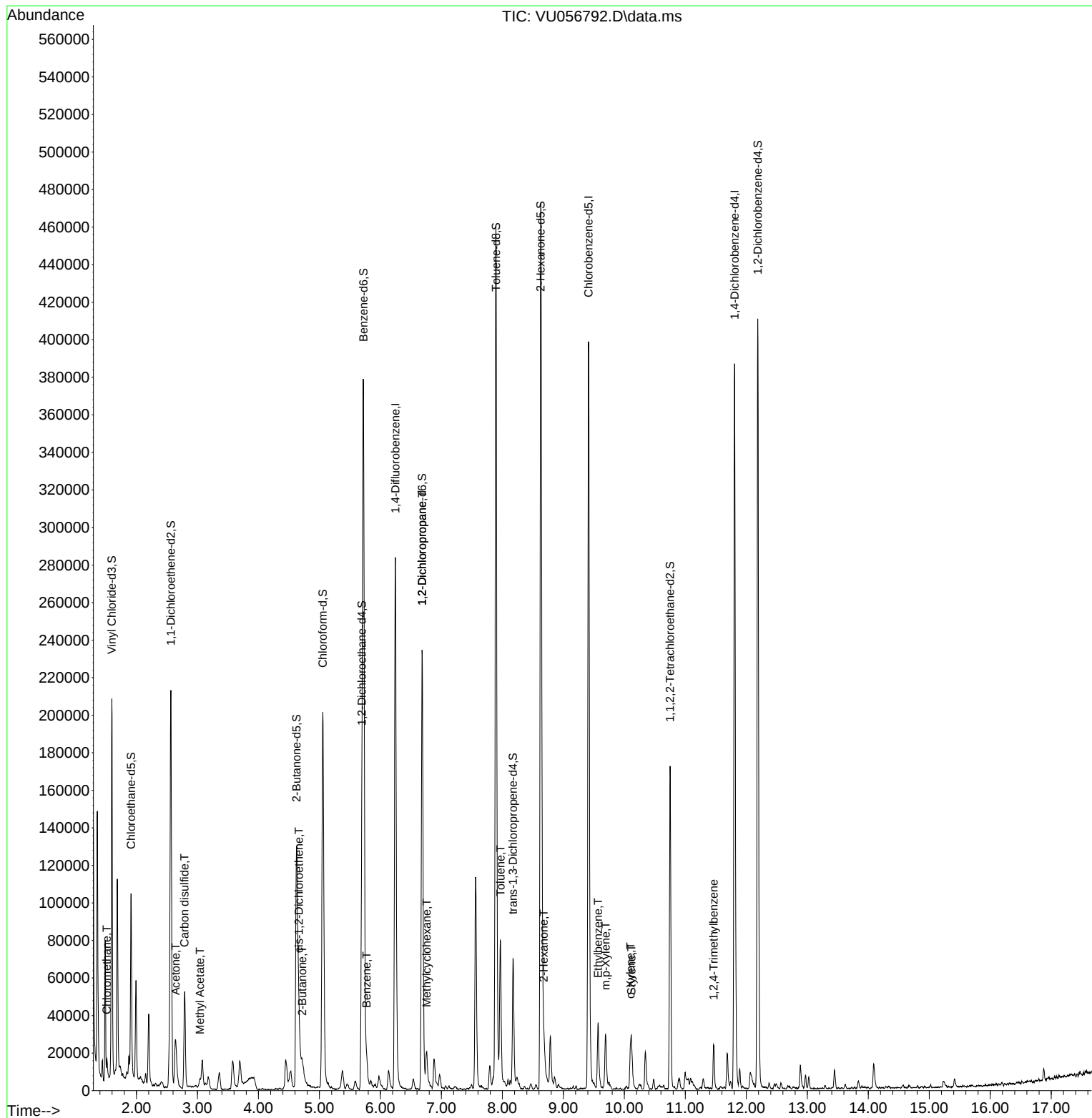
(#) = qualifier out of range (m) = manual integration (+) = signals summed

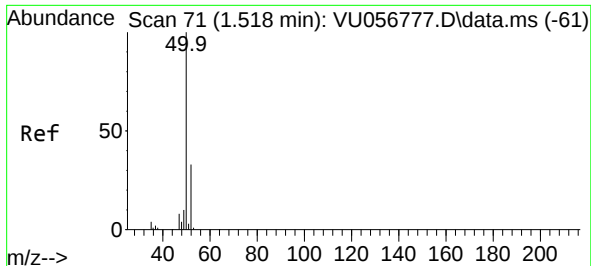
Instrument :  
MSVOA\_U  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121223\  
Data File : VU056792.D  
Acq On : 12 Dec 2023 17:45  
Operator : MD/SY  
Sample : 05664-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

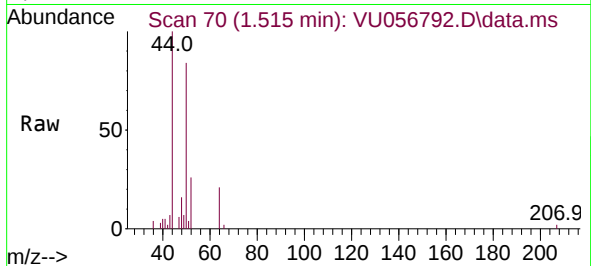
Quant Time: Dec 13 00:34:31 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Dec 13 00:30:00 2023  
Response via : Initial Calibration



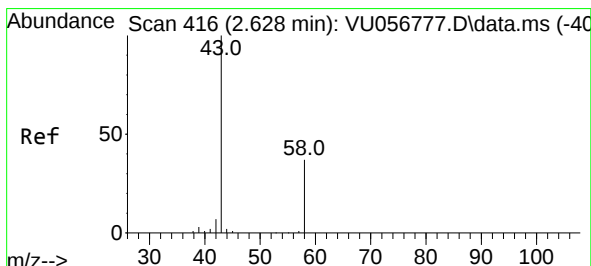
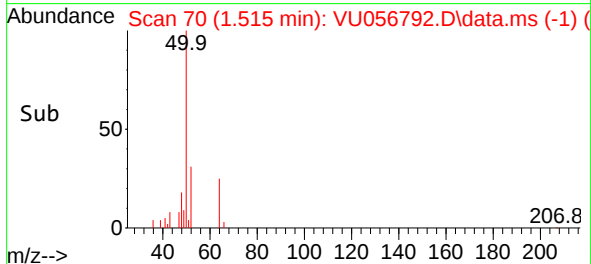
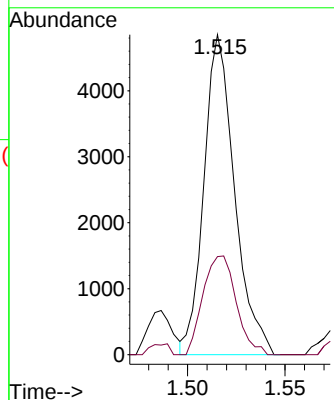


#3  
Chloromethane  
Concen: 0.223 ug/L  
RT: 1.515 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :

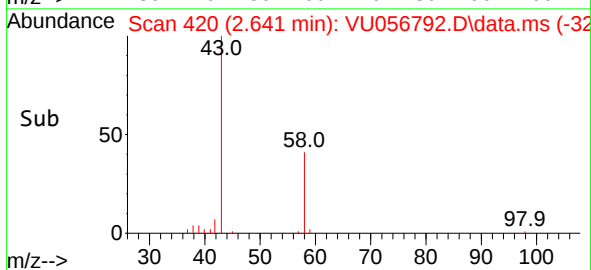
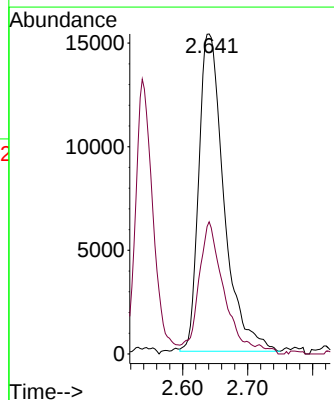
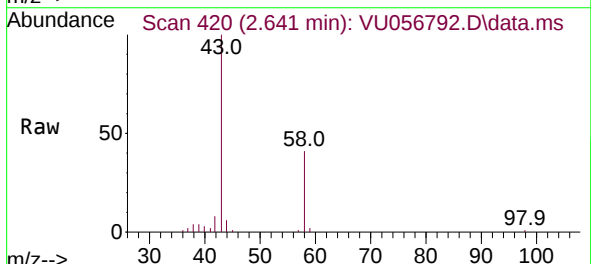


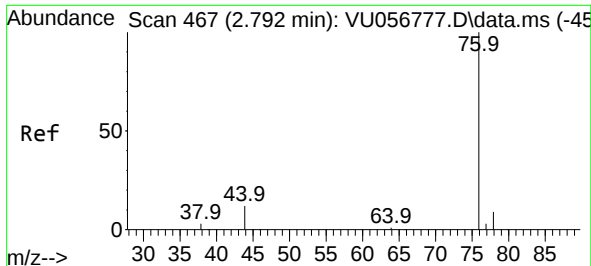
Tgt Ion: 50 Resp: 5310  
Ion Ratio Lower Upper  
50 100  
52 30.7 22.5 41.7



#13  
Acetone  
Concen: 17.341 ug/L  
RT: 2.641 min Scan# 420  
Delta R.T. 0.013 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

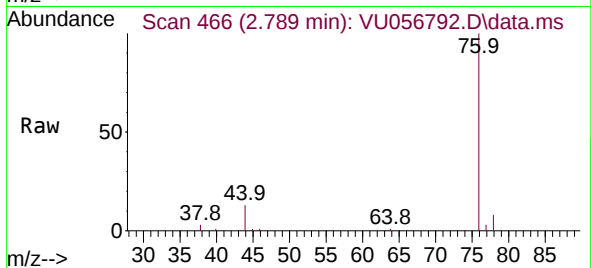
Tgt Ion: 43 Resp: 41313  
Ion Ratio Lower Upper  
43 100  
58 41.1 0.0 72.6



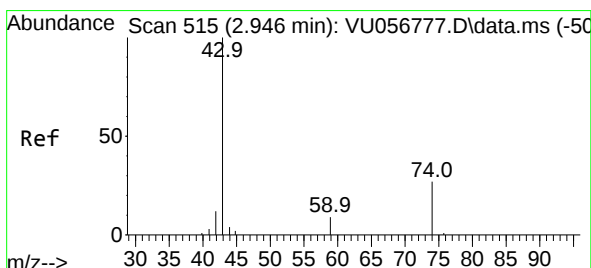
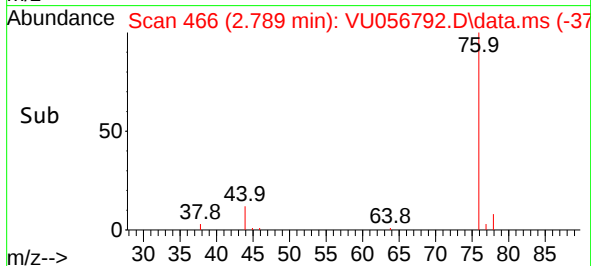
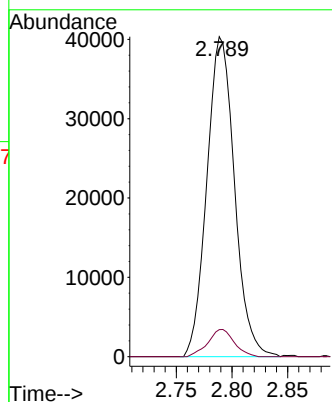


#14  
Carbon disulfide  
Concen: 1.070 ug/L  
RT: 2.789 min Scan# 411  
Delta R.T. -0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :

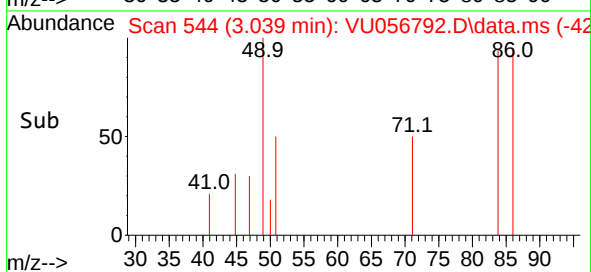
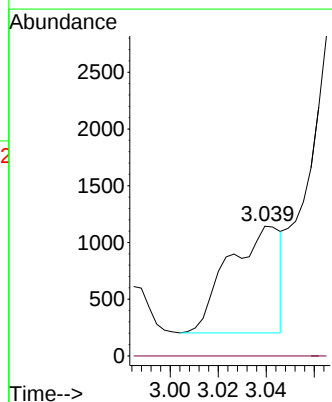
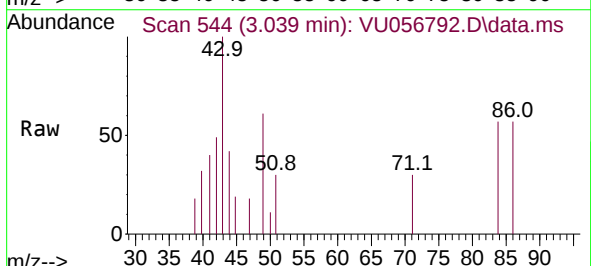


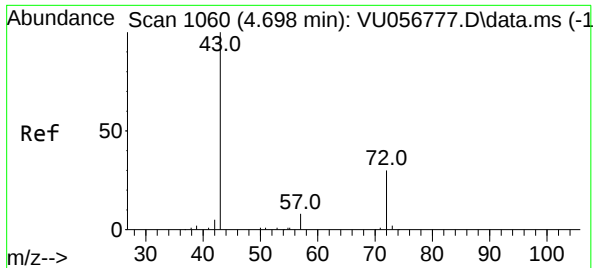
Tgt Ion: 76 Resp: 69611  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.3 10.9



#15  
Methyl Acetate  
Concen: 0.218 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.094 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Tgt Ion: 43 Resp: 1414  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.0 31.6#

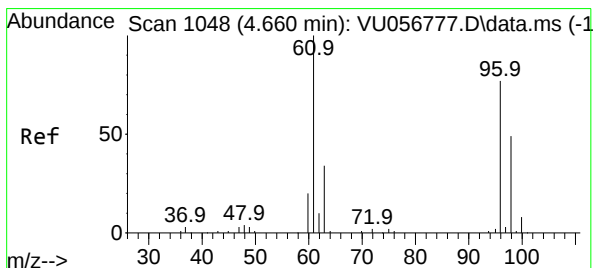
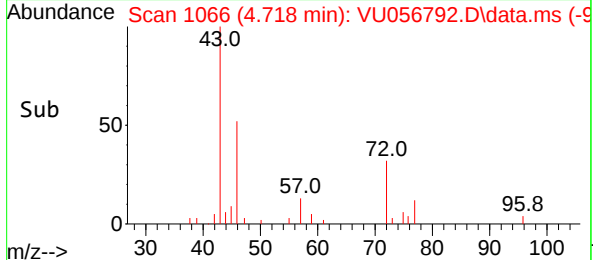
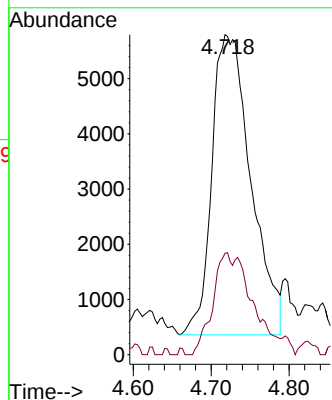
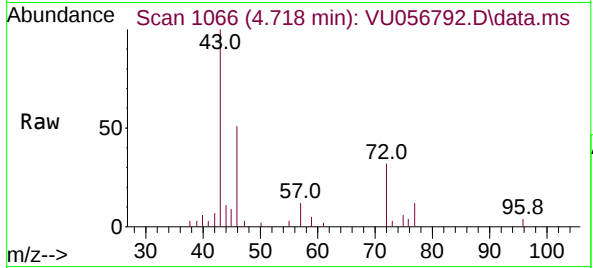




#21  
2-Butanone  
Concen: 4.707 ug/L  
RT: 4.718 min Scan# 1066  
Delta R.T. 0.020 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

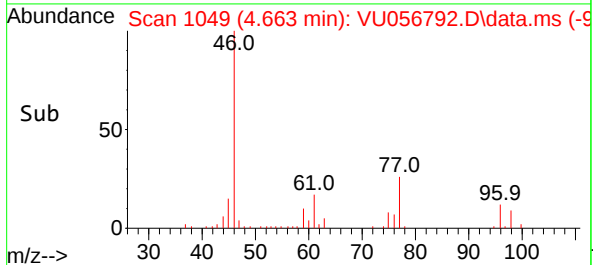
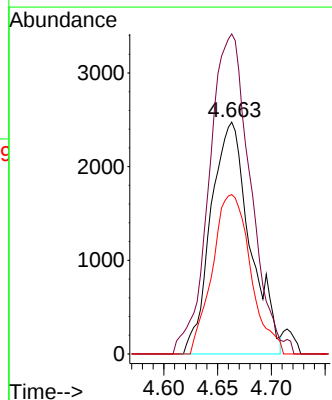
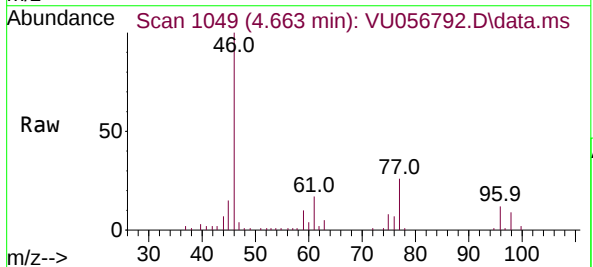
Instrument :  
MSVOA\_U  
ClientSampleId :

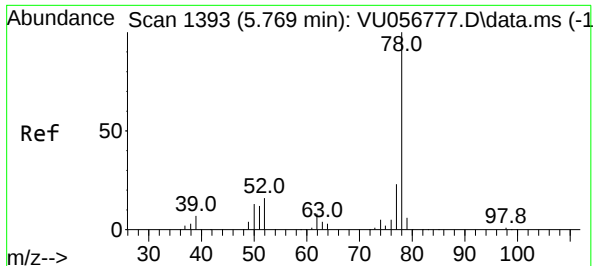
Tgt Ion: 43 Resp: 18909  
Ion Ratio Lower Upper  
43 100  
72 17.0 14.6 43.8



#22  
cis-1,2-Dichloroethene  
Concen: 0.303 ug/L  
RT: 4.663 min Scan# 1049  
Delta R.T. 0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Tgt Ion: 96 Resp: 6267  
Ion Ratio Lower Upper  
96 100  
61 138.1 91.3 169.6  
98 68.7 44.2 82.0

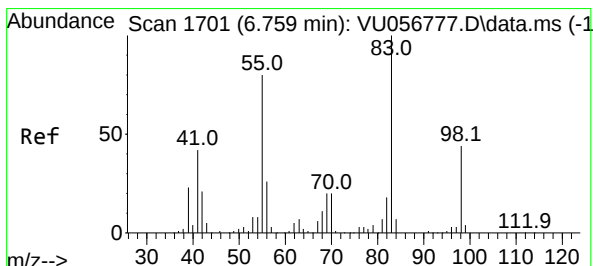
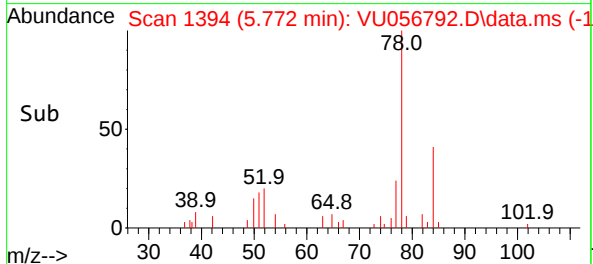
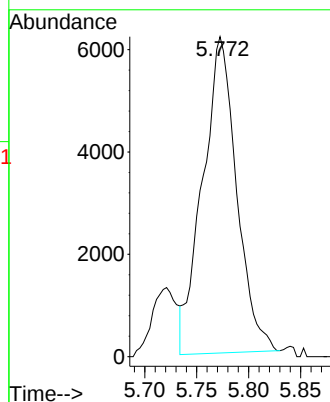
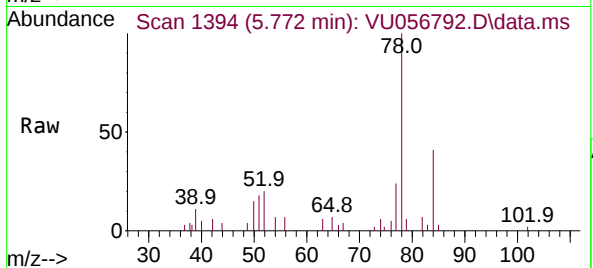




#33  
Benzene  
Concen: 0.173 ug/L  
RT: 5.772 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

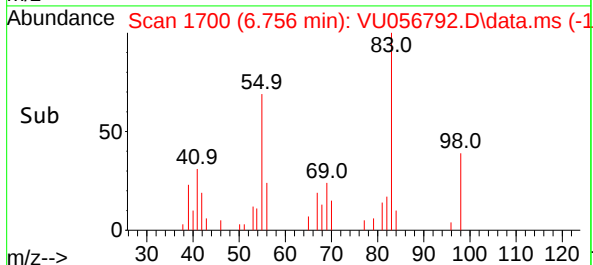
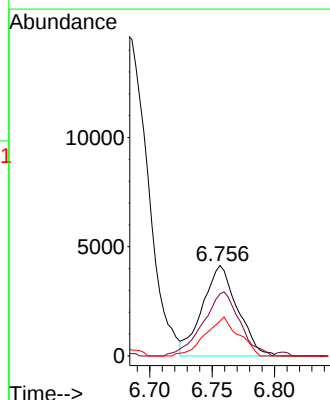
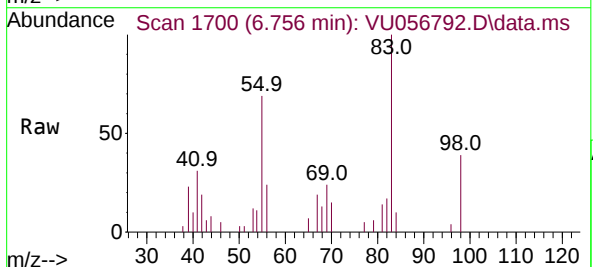
Instrument :  
MSVOA\_U  
ClientSampleId :

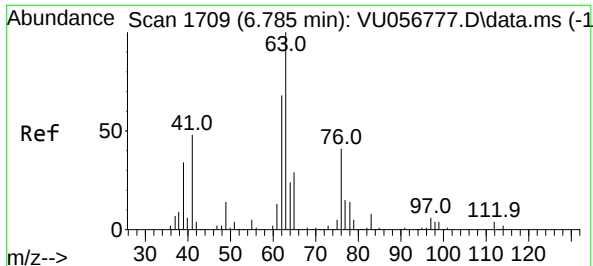
Tgt Ion: 78 Resp: 14073



#35  
Methylcyclohexane  
Concen: 0.246 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Tgt Ion: 83 Resp: 8100  
Ion Ratio Lower Upper  
83 100  
55 73.9 64.6 97.0  
98 40.6 36.1 54.1





#37

1,2-Dichloropropane

Concen: 0.601 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU056792.D

Acq: 12 Dec 2023 17:45

Instrument :

MSVOA\_U

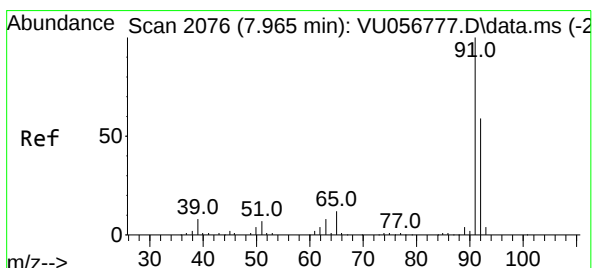
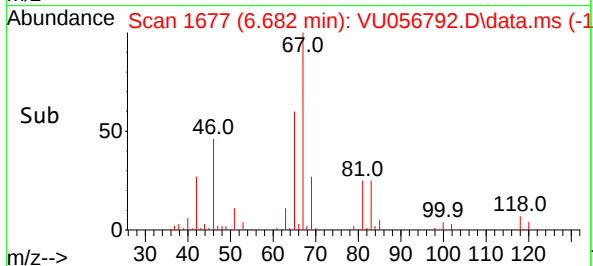
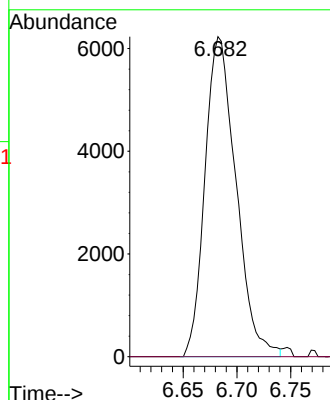
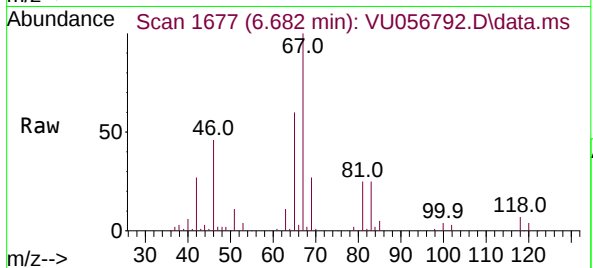
ClientSampleId :

Tgt Ion: 63 Resp: 12517

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 0.702 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU056792.D

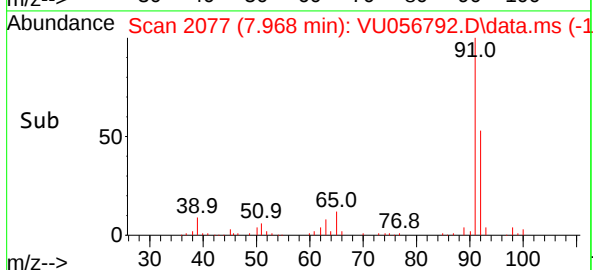
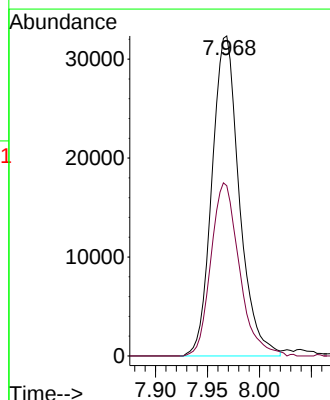
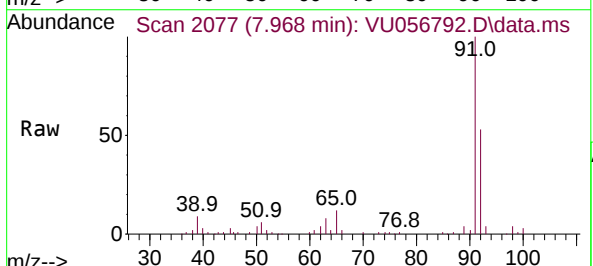
Acq: 12 Dec 2023 17:45

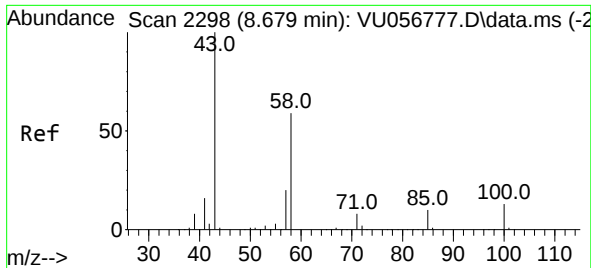
Tgt Ion: 91 Resp: 59100

Ion Ratio Lower Upper

91 100

92 53.2 40.4 75.0

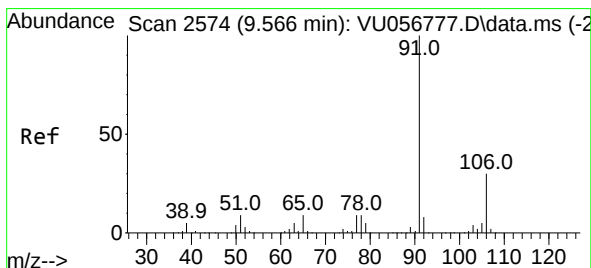
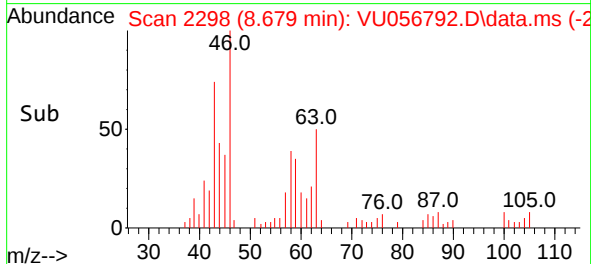
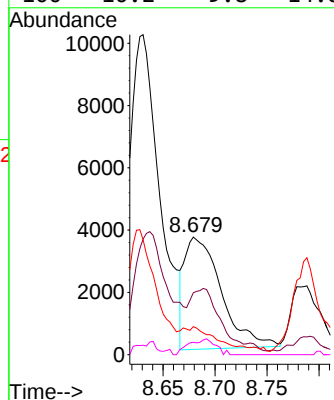
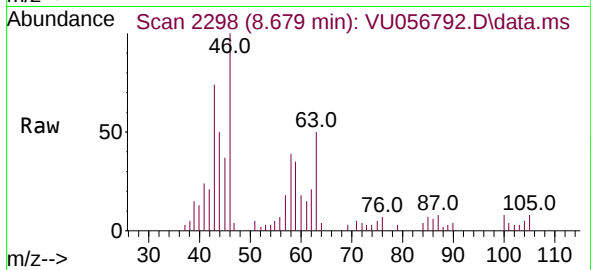




#48  
2-Hexanone  
Concen: 1.257 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

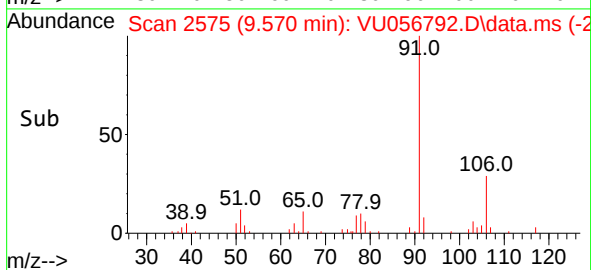
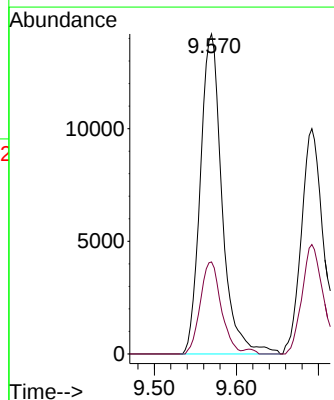
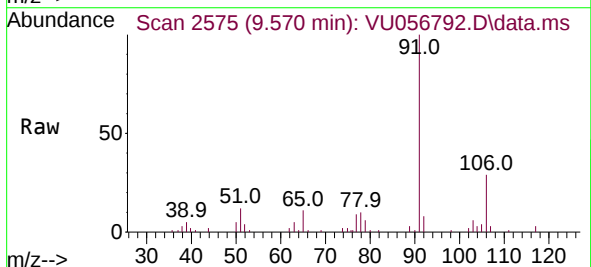
Instrument :  
MSVOA\_U  
ClientSampleId :

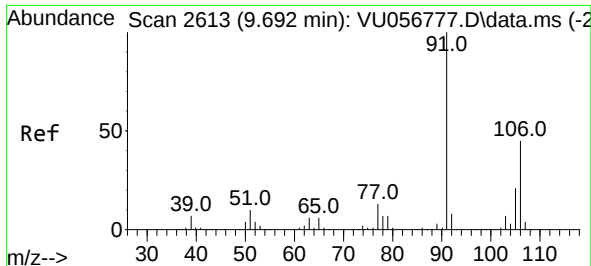
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 8851  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 51.5     | 47.5 71.3   |
| 57 0.0      | 17.0 25.4#  |
| 100 10.2    | 9.8 14.8    |



#52  
Ethylbenzene  
Concen: 0.281 ug/L  
RT: 9.570 min Scan# 2575  
Delta R.T. 0.004 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

|             |             |
|-------------|-------------|
| Tgt Ion: 91 | Resp: 26103 |
| Ion Ratio   | Lower Upper |
| 91 100      |             |
| 106 28.8    | 20.6 38.4   |

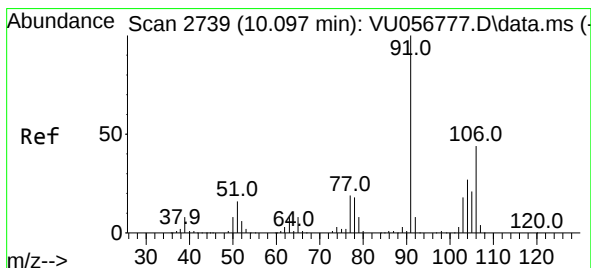
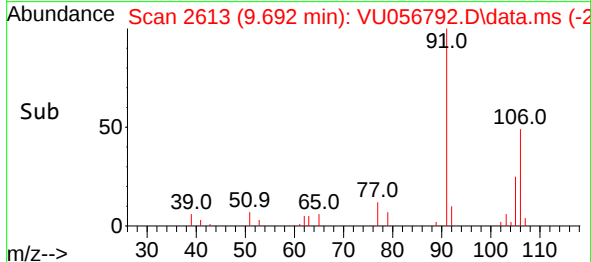
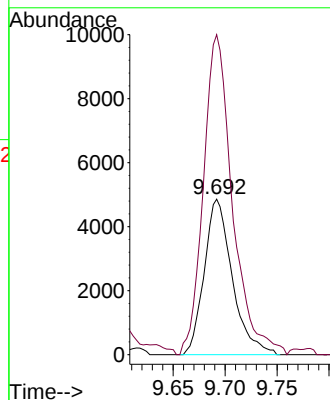
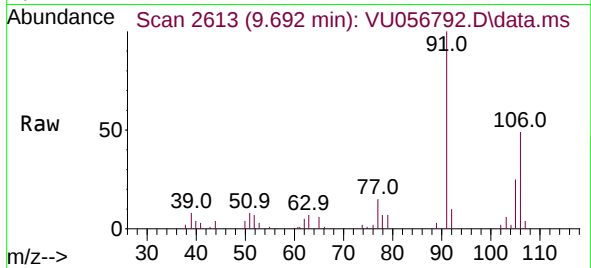




#53  
m,p-Xylene  
Concen: 0.263 ug/L  
RT: 9.692 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

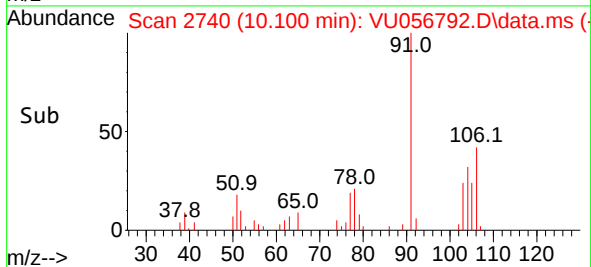
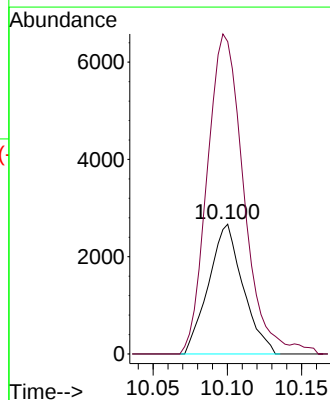
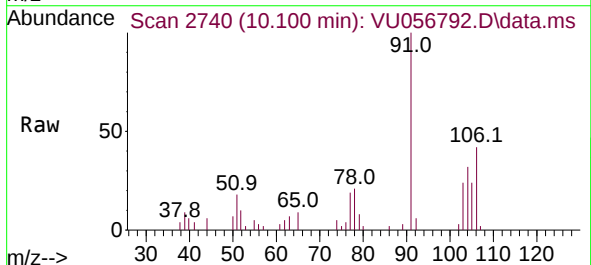
Instrument :  
MSVOA\_U  
ClientSampleId :

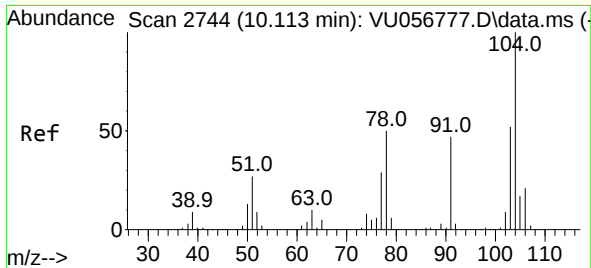
Tgt Ion:106 Resp: 9114  
Ion Ratio Lower Upper  
106 100  
91 205.8 154.0 286.0



#54  
o-Xylene  
Concen: 0.131 ug/L  
RT: 10.100 min Scan# 2740  
Delta R.T. 0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Tgt Ion:106 Resp: 4308  
Ion Ratio Lower Upper  
106 100  
91 240.5 160.2 297.6

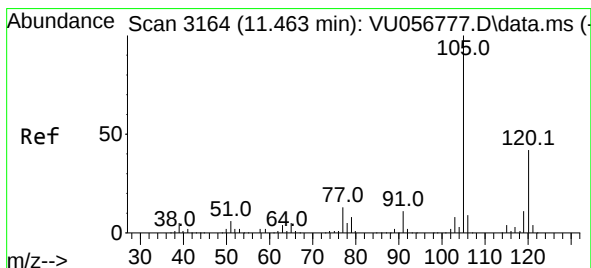
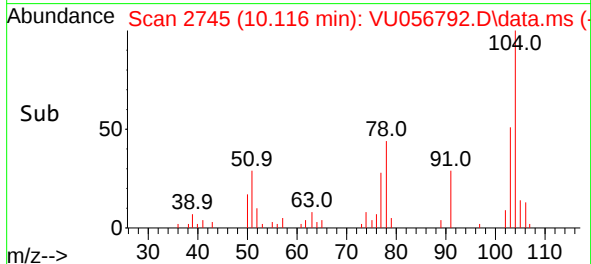
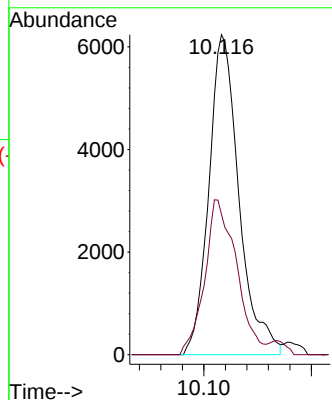
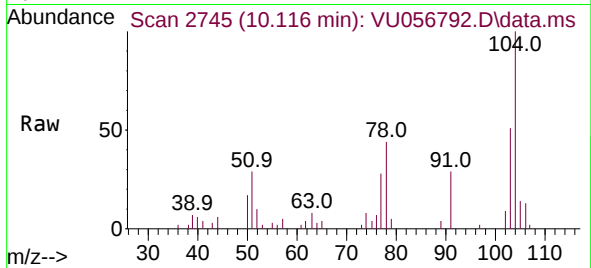




#55  
Styrene  
Concen: 0.224 ug/L  
RT: 10.116 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:104 Resp: 12130  
Ion Ratio Lower Upper  
104 100  
78 43.8 35.6 66.2



#63  
1,2,4-Trimethylbenzene  
Concen: 0.201 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU056792.D  
Acq: 12 Dec 2023 17:45

Tgt Ion:105 Resp: 13392  
Ion Ratio Lower Upper  
105 100  
120 44.2 34.2 51.4

