

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U082422\  
 Data File : U082422.D  
 Acq On : 24 Aug 2022 18:47  
 Operator : SY/MD  
 Sample : N4322-13MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY172MS

Quant Time: Aug 25 05:33:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 25 05:03:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 337130   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 326169   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 146293   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 163435   | 40.999   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.000%  |
| 7) Chloroethane-d5            | 1.903   | 69    | 136227   | 46.184   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.360%  |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 238606   | 42.354   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.700%  |
| 21) 2-Butanone-d5             | 4.626   | 46    | 255093   | 97.766   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.770%  |
| 24) Chloroform-d              | 5.063   | 84    | 289874   | 45.299   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 181318   | 45.591   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.180%  |
| 32) Benzene-d6                | 5.726   | 84    | 573179   | 47.560   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.120%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 188648   | 47.250   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.500%  |
| 41) Toluene-d8                | 7.899   | 98    | 504251   | 47.816   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.640%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 76246    | 45.782   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.560%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 156070   | 105.336  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 292907   | 47.565   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 95.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 163223   | 46.707   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.420%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 110448   | 41.912   | ug/L   | 100      |
| 3) Chloromethane              | 1.517   | 50    | 146173   | 47.660   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.601   | 62    | 136684   | 45.576   | ug/L   | 100      |
| 6) Bromomethane               | 1.842   | 94    | 52819    | 47.630   | ug/L   | 95       |
| 8) Chloroethane               | 1.922   | 64    | 88846    | 48.764   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.131   | 101   | 169990   | 44.551   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 98037    | 41.908   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 93546    | 45.233   | ug/L   | 96       |
| 13) Acetone                   | 2.629   | 43    | 144186   | 84.046   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.787   | 76    | 230249   | 43.630   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951   | 43    | 136243   | 44.141   | ug/L   | 98       |
| 16) Methylene chloride        | 3.041   | 84    | 133048   | 46.162   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 102716   | 47.247   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 356707   | 51.841   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 224458   | 47.656   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 128206   | 49.246   | ug/L   | 99       |
| 22) 2-Butanone                | 4.707   | 43    | 225685   | 97.067   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973   | 128   | 69771    | 49.069   | ug/L   | 98       |
| 25) Chloroform                | 5.086   | 83    | 237142   | 47.261   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082422\  
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 Operator : SY/MD  
 Sample : N4322-13MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

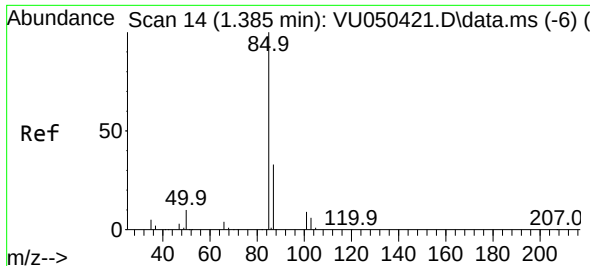
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY172MS

Quant Time: Aug 25 05:33:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 25 05:03:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 179308   | 47.905  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 140903   | 46.962  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 179138   | 48.005  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.523  | 117  | 142290   | 46.464  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 504020   | 51.038  | ug/L  | 100      |
| 34) Trichloroethene           | 6.543  | 95   | 111643   | 47.760  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 138985   | 42.521  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 142253   | 49.591  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 179088   | 48.935  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 186395   | 49.482  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 417097   | 109.419 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 512671   | 51.527  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 172306   | 49.073  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 141989   | 50.304  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.552  | 164  | 76855    | 44.765  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.687  | 43   | 342251   | 107.511 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 140024   | 47.891  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 138097   | 48.957  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.446  | 112  | 311459   | 47.701  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 481810   | 48.047  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.694  | 106  | 182091   | 48.624  | ug/L  | 98       |
| 54) o-Xylene                  | 10.102 | 106  | 190588   | 51.226  | ug/L  | 97       |
| 55) Styrene                   | 10.115 | 104  | 311352   | 49.181  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 251566   | 48.776  | ug/L  | 100      |
| 59) Bromoform                 | 10.292 | 173  | 102475   | 48.915  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 191601   | 50.824  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 455045   | 50.289  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 359535   | 49.209  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 353999   | 49.676  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 205861   | 46.529  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 203564   | 45.686  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 226766   | 48.739  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 48834    | 48.740  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 129234   | 42.375  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 105981   | 43.391  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 400301   | 49.962  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 127480   | 47.756  | ug/L  | 98       |

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

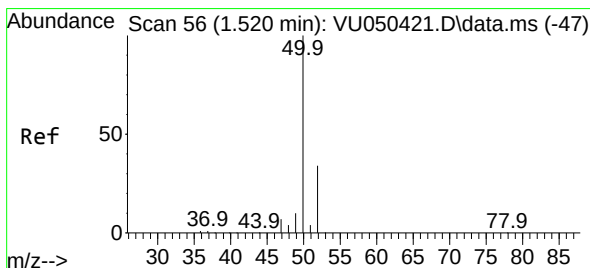
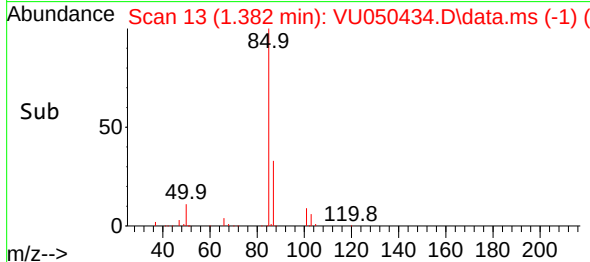
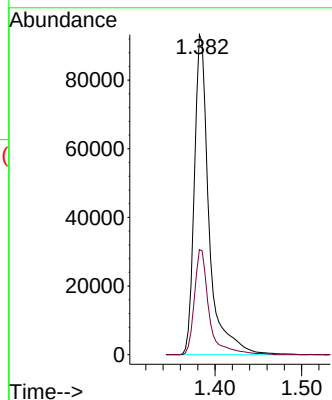
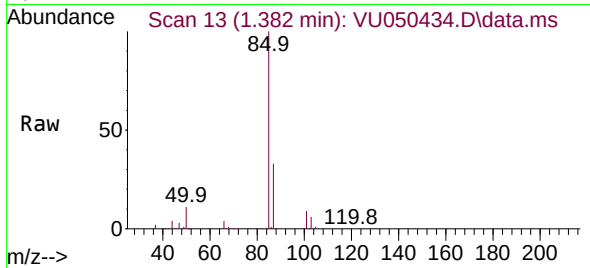




#2  
Dichlorodifluoromethane  
Concen: 41.912 ug/L  
RT: 1.382 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

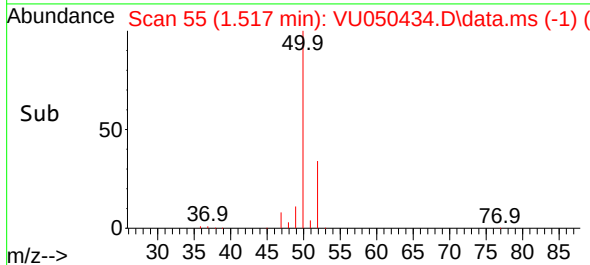
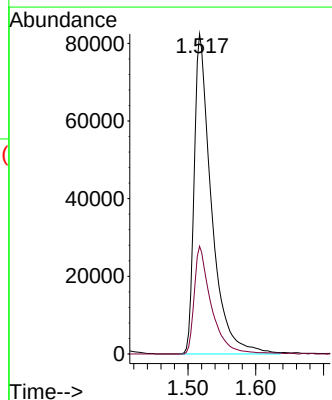
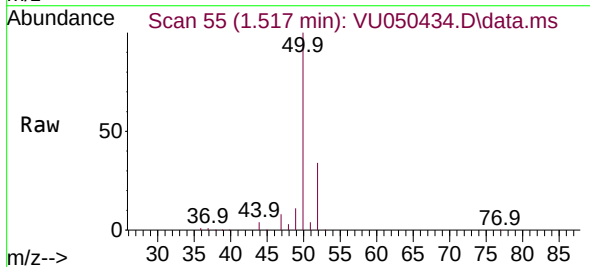
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

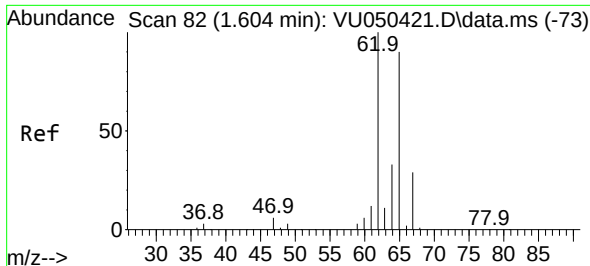
Tgt Ion: 85 Resp: 110448  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.2 39.4



#3  
Chloromethane  
Concen: 47.660 ug/L  
RT: 1.517 min Scan# 55  
Delta R.T. -0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 50 Resp: 146173  
Ion Ratio Lower Upper  
50 100  
52 33.7 23.4 43.6

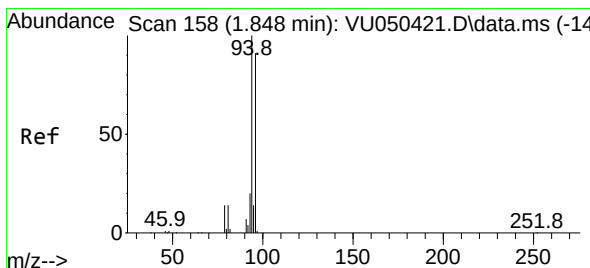
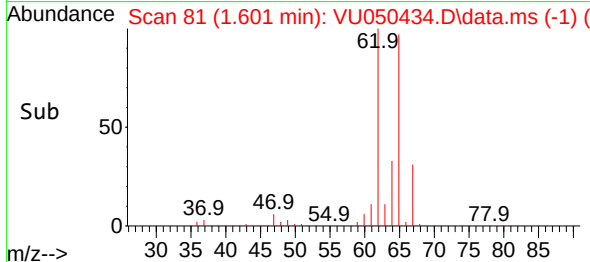
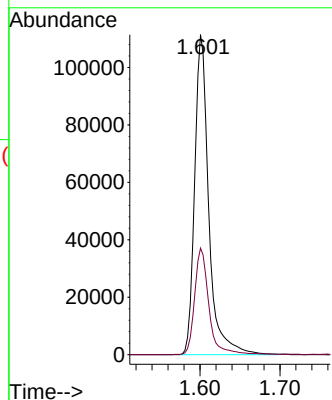
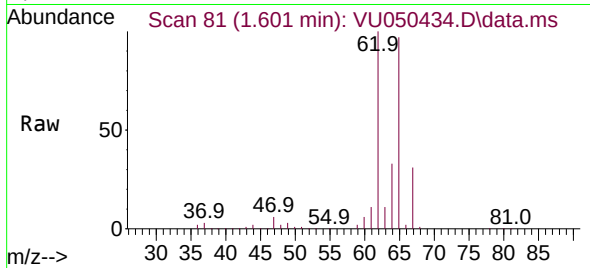




#5  
 Vinyl chloride  
 Concen: 45.576 ug/L  
 RT: 1.601 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

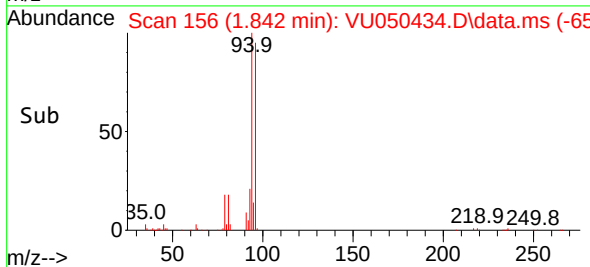
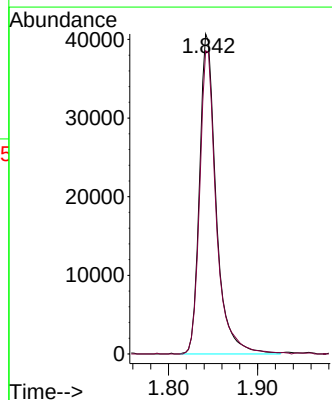
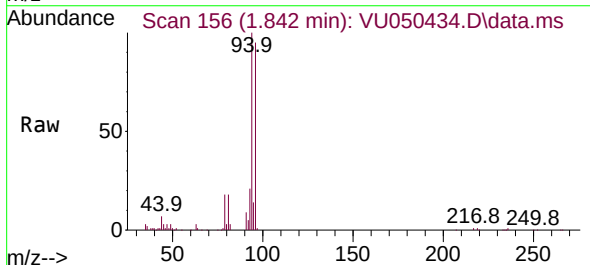
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY172MS

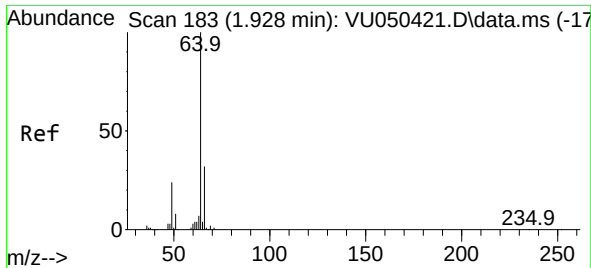
Tgt Ion: 62 Resp: 136684  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 23.1 42.9



#6  
 Bromomethane  
 Concen: 47.630 ug/L  
 RT: 1.842 min Scan# 156  
 Delta R.T. -0.006 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

Tgt Ion: 94 Resp: 52819  
 Ion Ratio Lower Upper  
 94 100  
 96 94.8 63.3 117.5

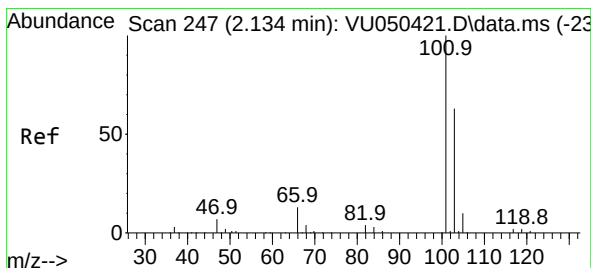
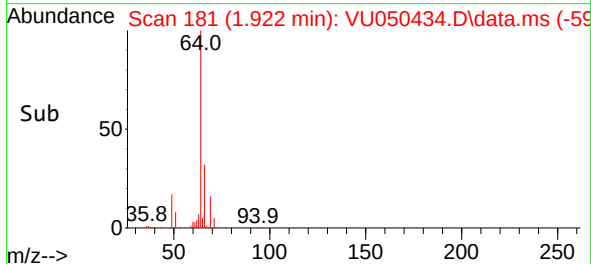
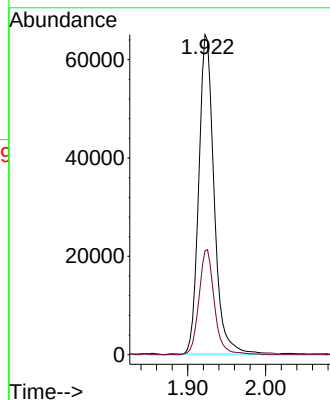
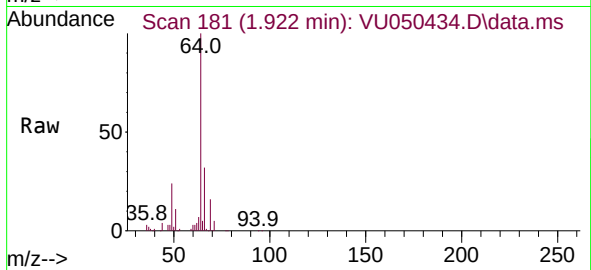




#8  
Chloroethane  
Concen: 48.764 ug/L  
RT: 1.922 min Scan# 181  
Delta R.T. -0.006 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

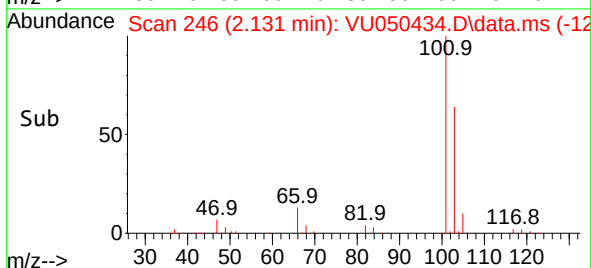
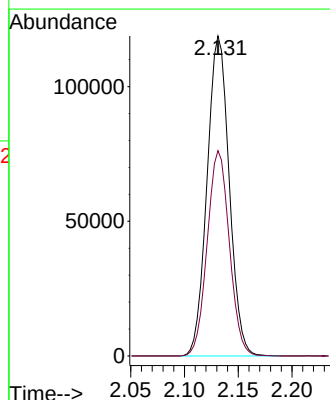
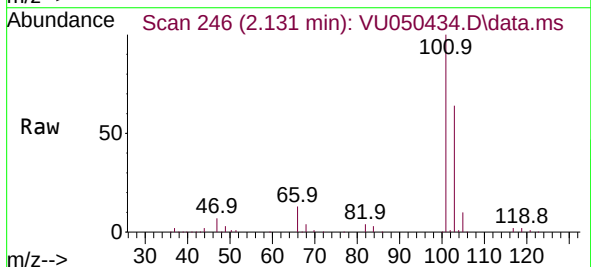
Instrument :  
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ClientSampleId :  
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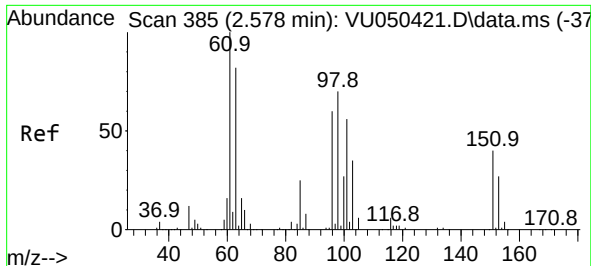
Tgt Ion: 64 Resp: 88846  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 44.551 ug/L  
RT: 2.131 min Scan# 246  
Delta R.T. -0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion:101 Resp: 169990  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.1 76.7

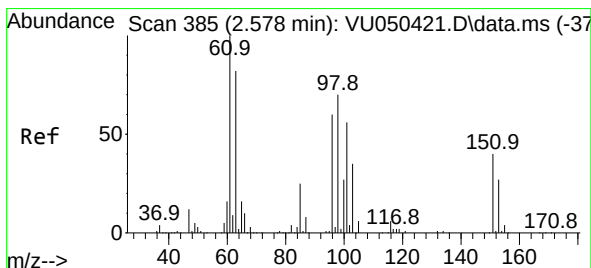
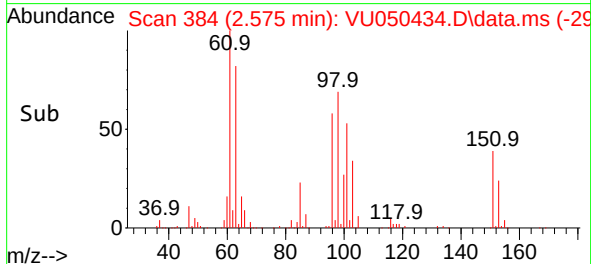
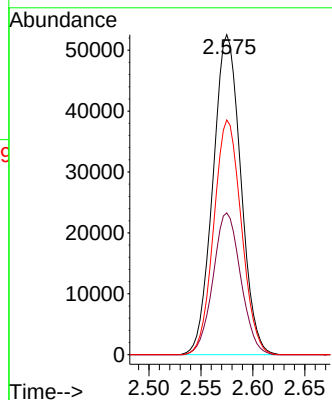
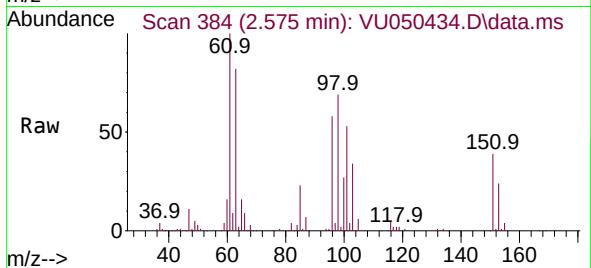




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 41.908 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.003 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

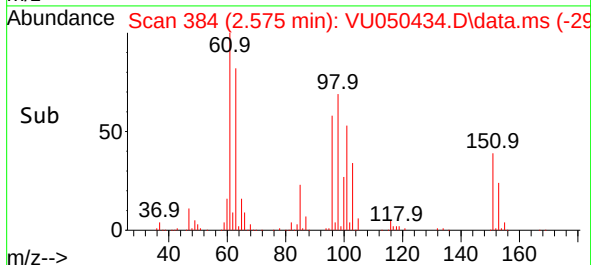
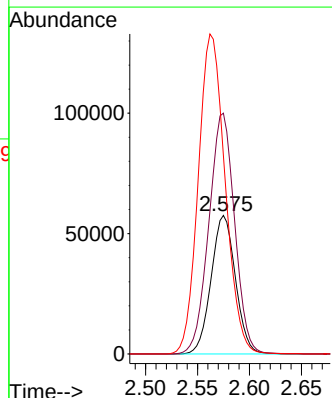
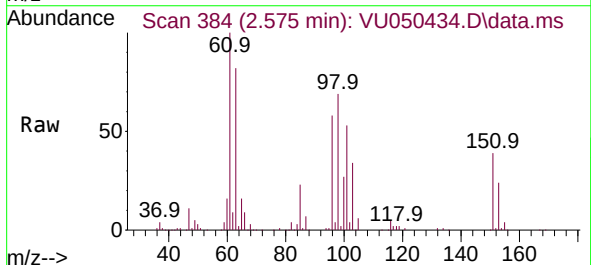
Instrument :  
 MSVOA\_U  
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 EY172MS

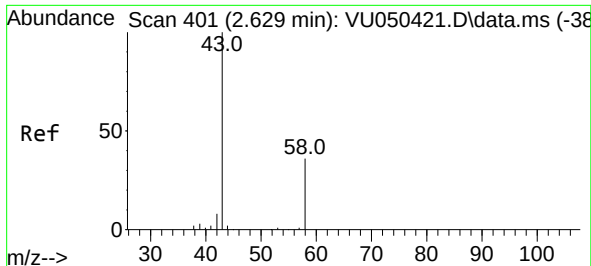
Tgt Ion:101 Resp: 98037  
 Ion Ratio Lower Upper  
 101 100  
 85 44.1 35.3 52.9  
 151 72.6 57.3 85.9



#12  
 1,1-Dichloroethene  
 Concen: 45.233 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.003 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

Tgt Ion: 96 Resp: 93546  
 Ion Ratio Lower Upper  
 96 100  
 61 173.9 116.8 216.8  
 63 143.3 97.4 180.8





#13

Acetone

Concen: 84.046 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

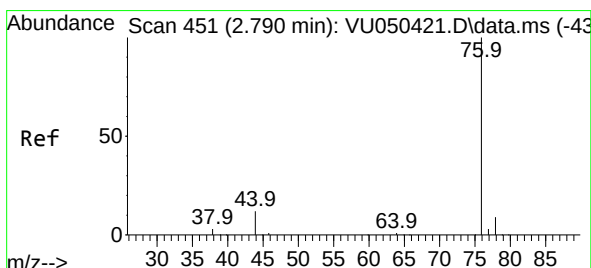
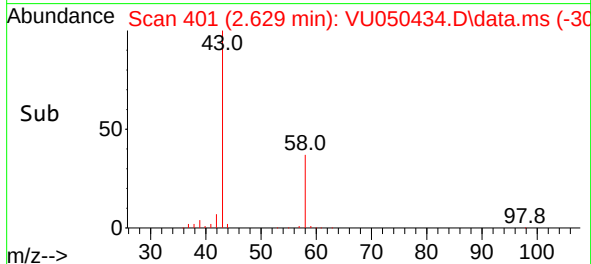
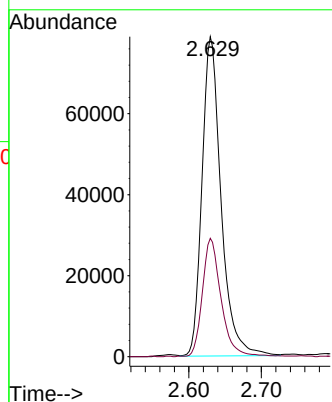
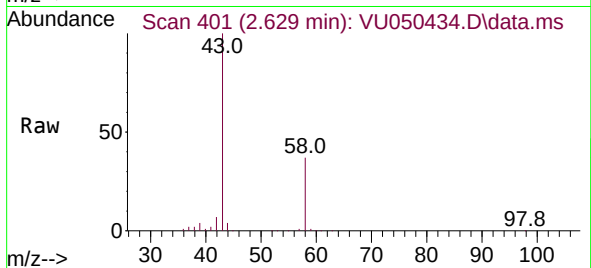
EY172MS

Tgt Ion: 43 Resp: 144186

Ion Ratio Lower Upper

43 100

58 35.6 0.0 72.2



#14

Carbon disulfide

Concen: 43.630 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050434.D

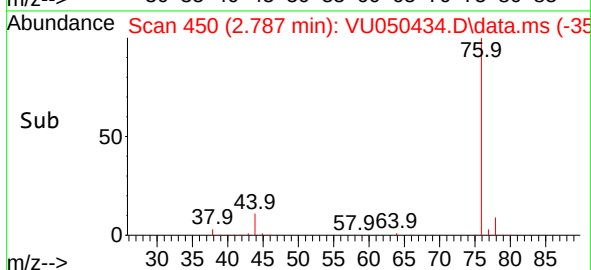
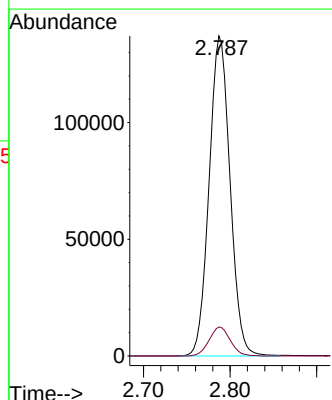
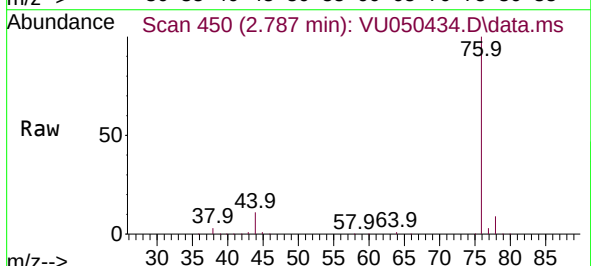
Acq: 24 Aug 2022 18:47

Tgt Ion: 76 Resp: 230249

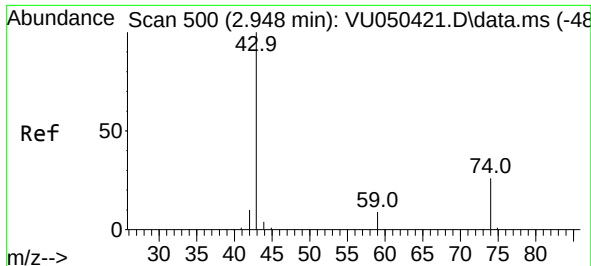
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



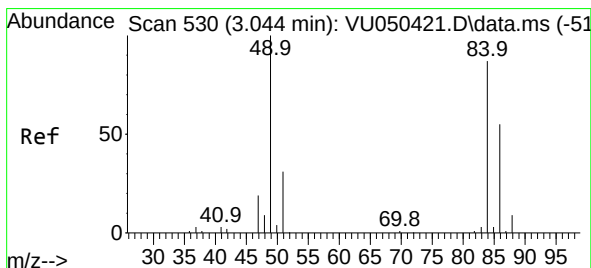
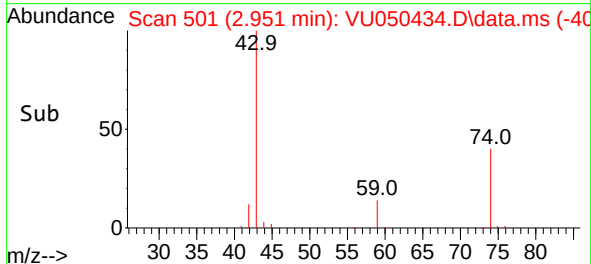
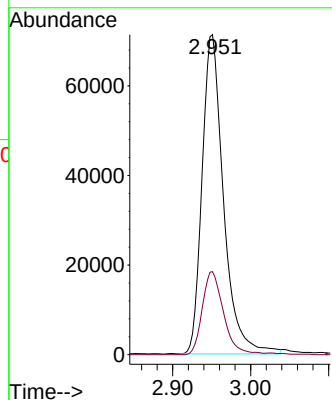
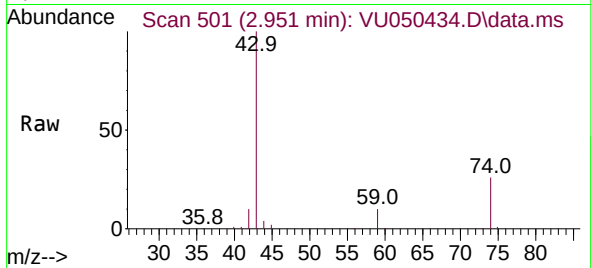




#15  
Methyl Acetate  
Concen: 44.141 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. 0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

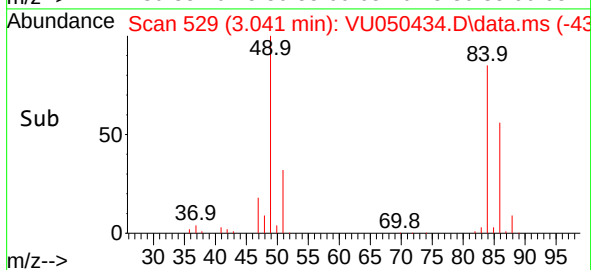
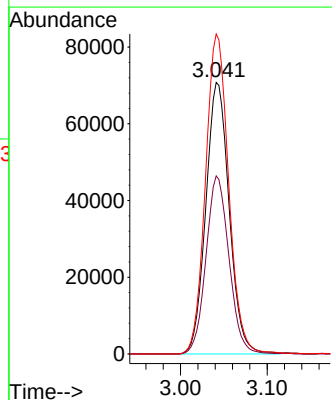
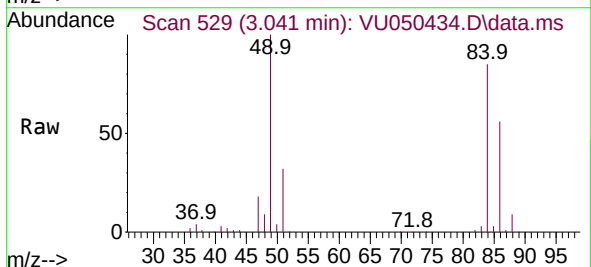
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

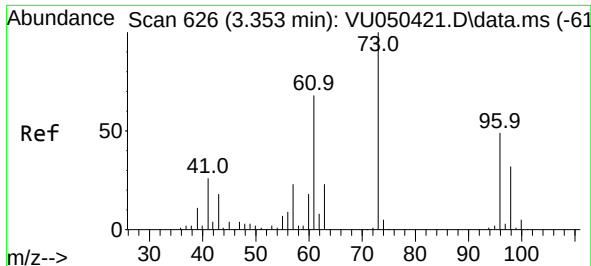
Tgt Ion: 43 Resp: 136243  
Ion Ratio Lower Upper  
43 100  
74 25.4 21.2 31.8



#16  
Methylene chloride  
Concen: 46.162 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. -0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 84 Resp: 133048  
Ion Ratio Lower Upper  
84 100  
86 65.6 43.9 81.5  
49 117.8 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 47.247 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

EY172MS

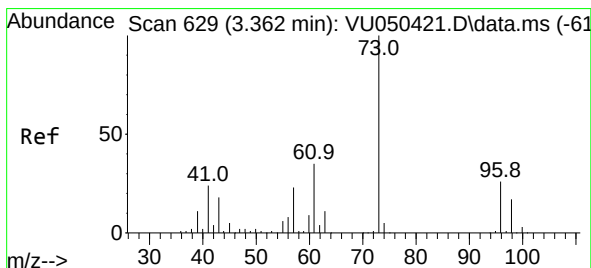
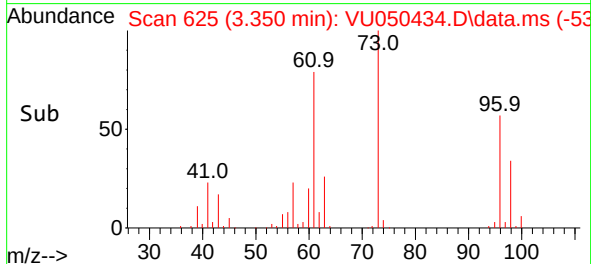
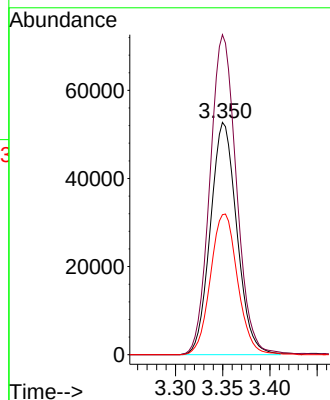
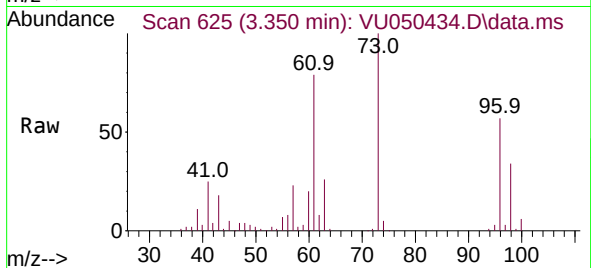
Tgt Ion: 96 Resp: 102716

Ion Ratio Lower Upper

96 100

61 137.8 98.5 182.9

98 60.3 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 51.841 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

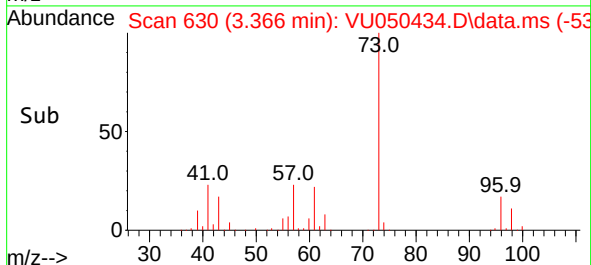
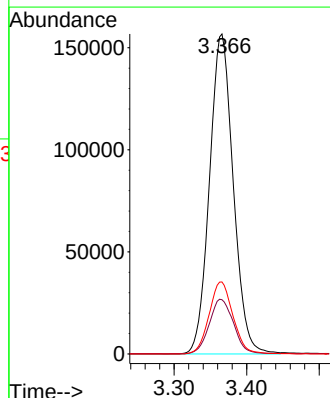
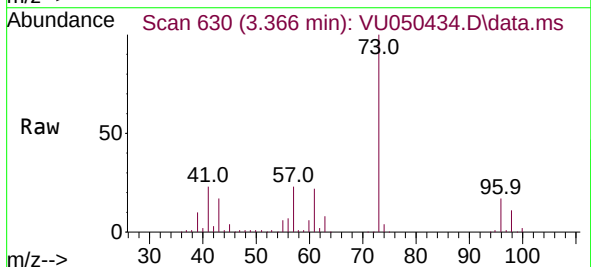
Tgt Ion: 73 Resp: 356707

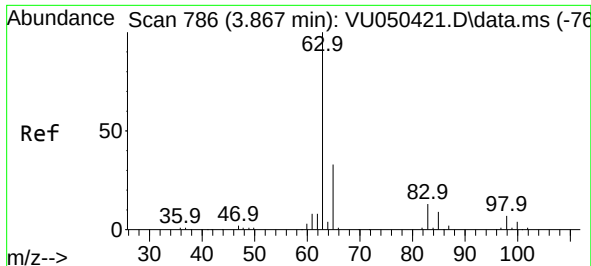
Ion Ratio Lower Upper

73 100

43 17.2 14.4 21.6

57 22.7 17.8 26.8





#19

1,1-Dichloroethane

Concen: 47.656 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

EY172MS

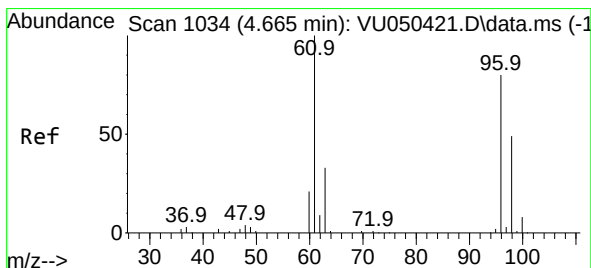
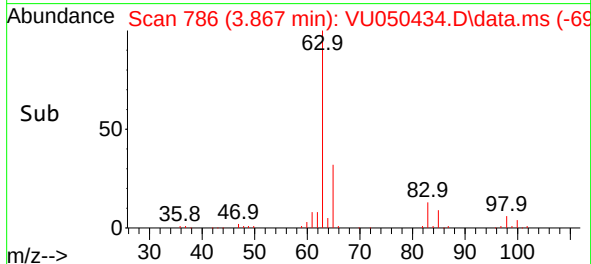
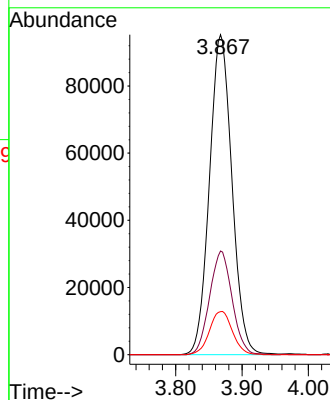
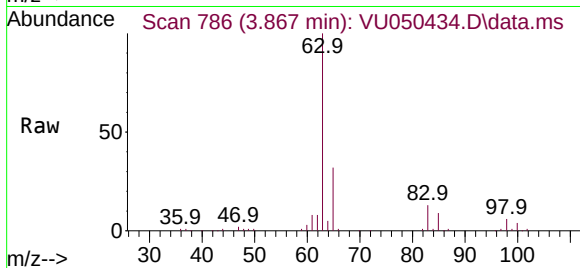
Tgt Ion: 63 Resp: 224458

Ion Ratio Lower Upper

63 100

65 32.4 23.3 43.3

83 13.5 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 49.246 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

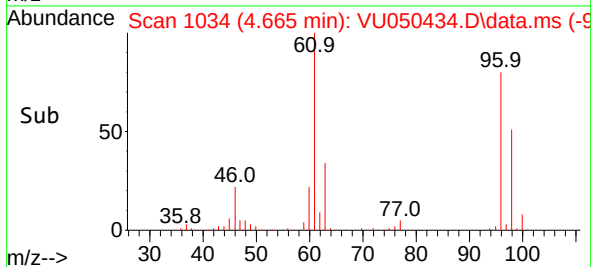
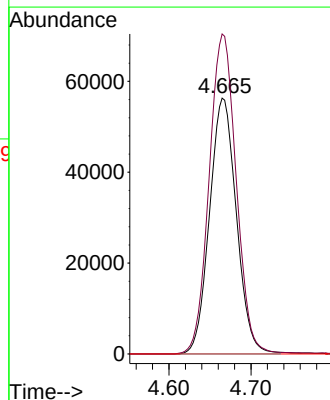
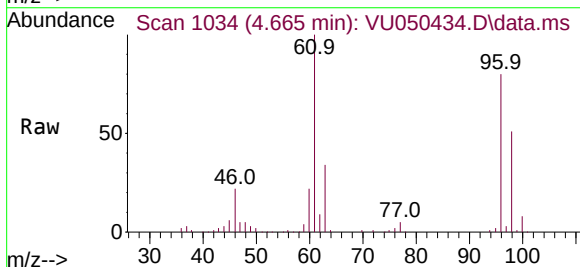
Tgt Ion: 96 Resp: 128206

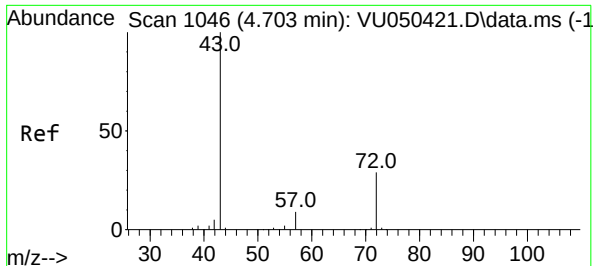
Ion Ratio Lower Upper

96 100

61 125.1 88.1 163.5

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.067 ug/L

RT: 4.707 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

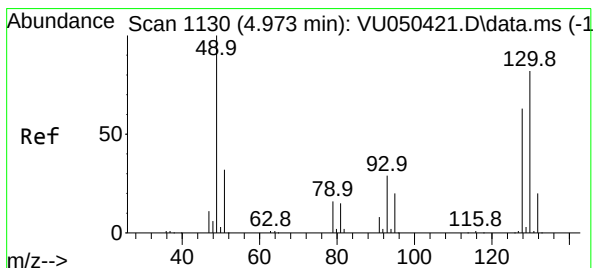
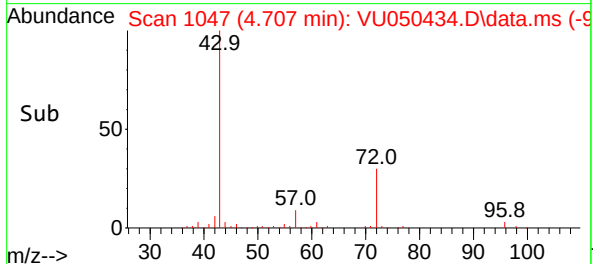
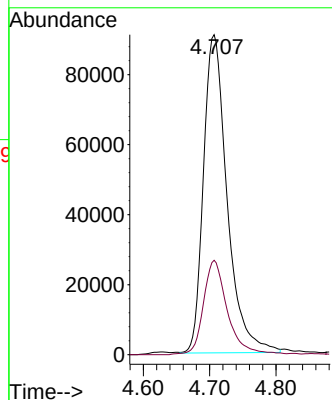
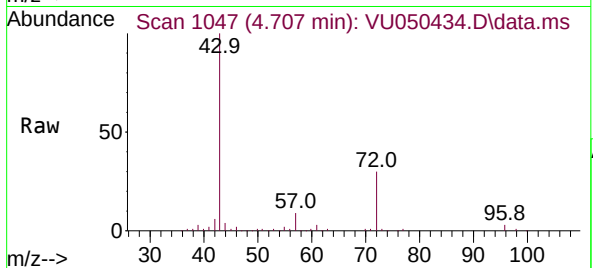
EY172MS

Tgt Ion: 43 Resp: 225685

Ion Ratio Lower Upper

43 100

72 29.7 15.0 45.0



#23

Bromochloromethane

Concen: 49.069 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Tgt Ion:128 Resp: 69771

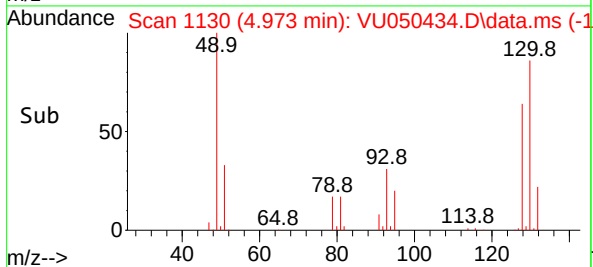
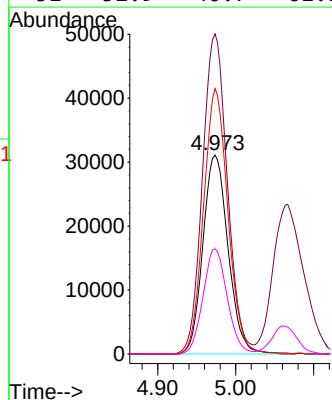
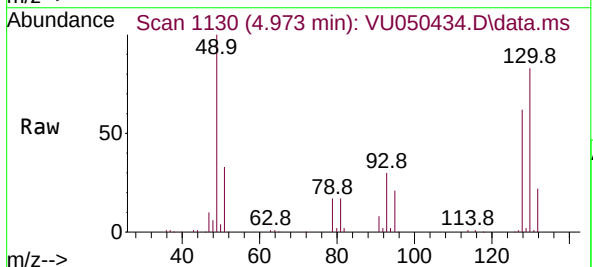
Ion Ratio Lower Upper

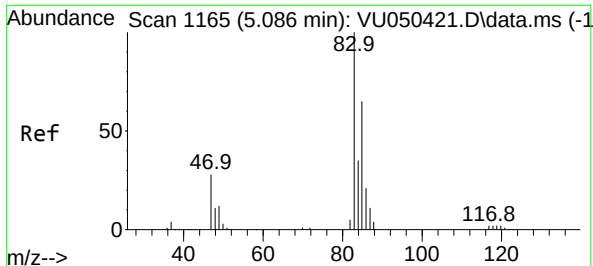
128 100

49 161.0 111.2 206.4

130 133.5 91.1 169.1

51 52.9 40.7 61.1





#25

Chloroform

Concen: 47.261 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

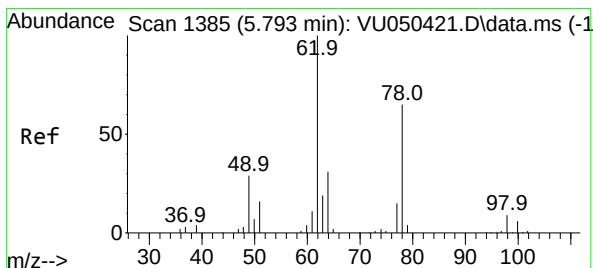
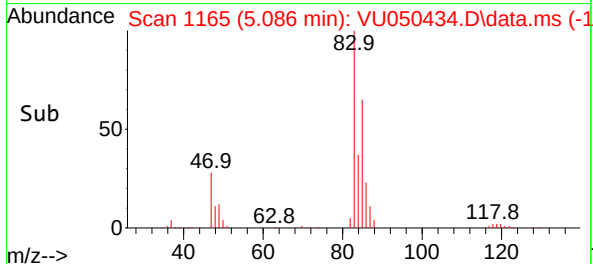
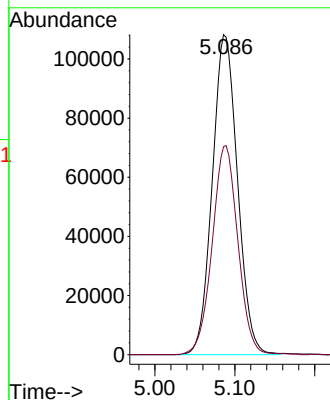
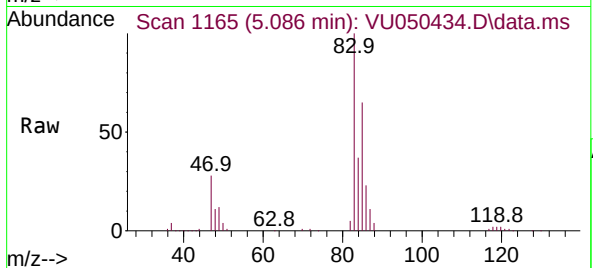
EY172MS

Tgt Ion: 83 Resp: 237142

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 47.905 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050434.D

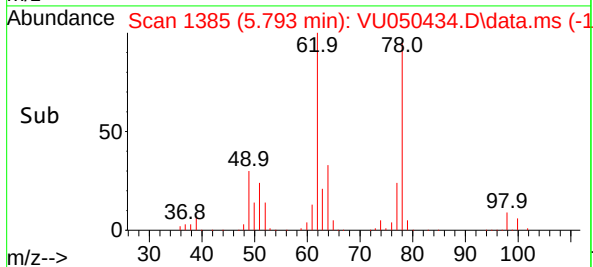
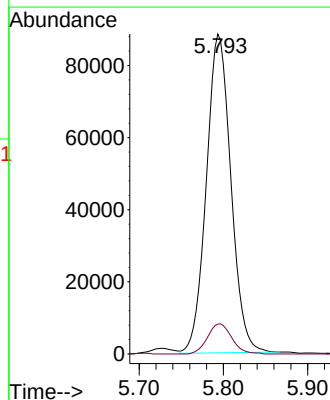
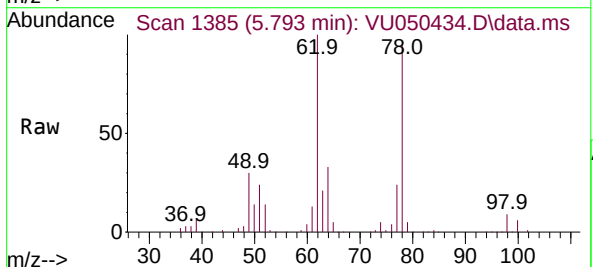
Acq: 24 Aug 2022 18:47

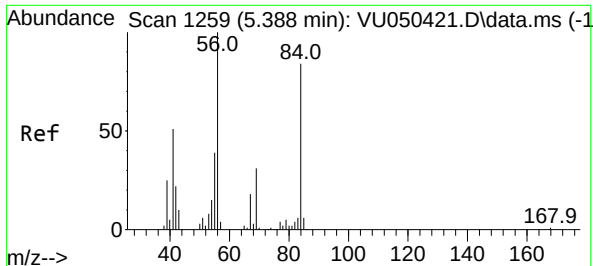
Tgt Ion: 62 Resp: 179308

Ion Ratio Lower Upper

62 100

98 9.4 7.3 10.9





#29

Cyclohexane

Concen: 46.962 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

EY172MS

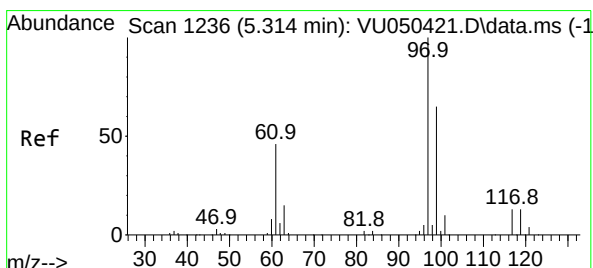
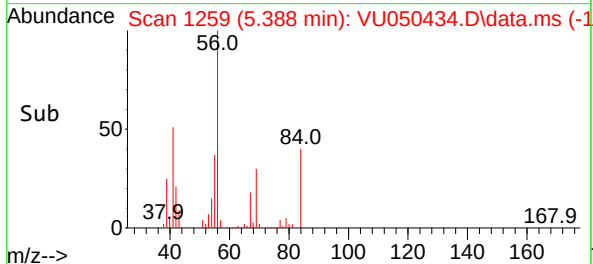
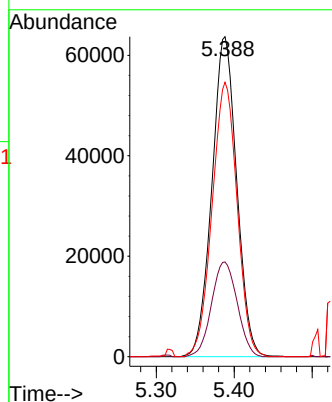
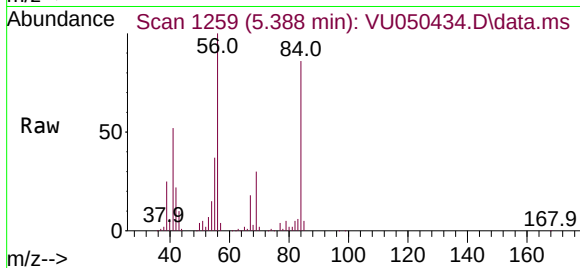
Tgt Ion: 56 Resp: 140903

Ion Ratio Lower Upper

56 100

69 30.6 24.6 36.8

84 86.4 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 48.005 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

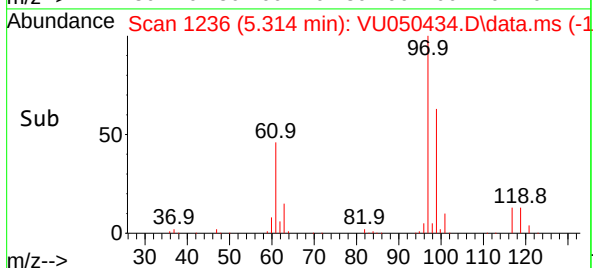
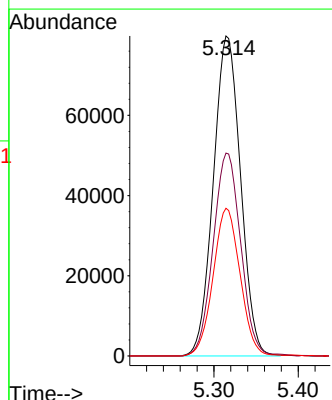
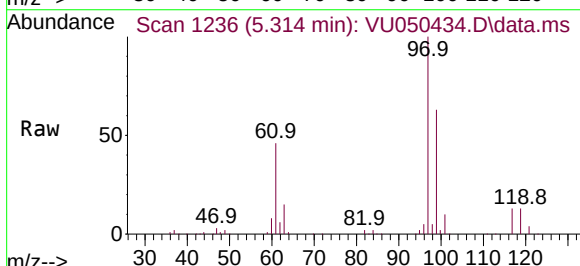
Tgt Ion: 97 Resp: 179138

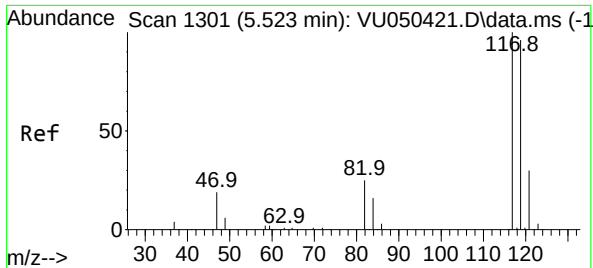
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 45.7 36.6 55.0

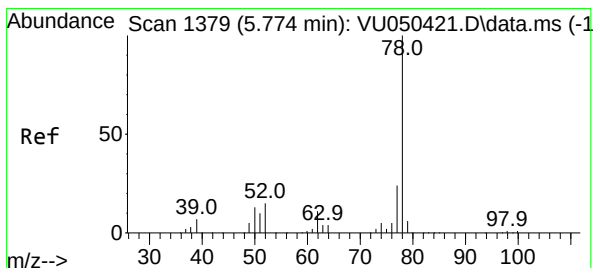
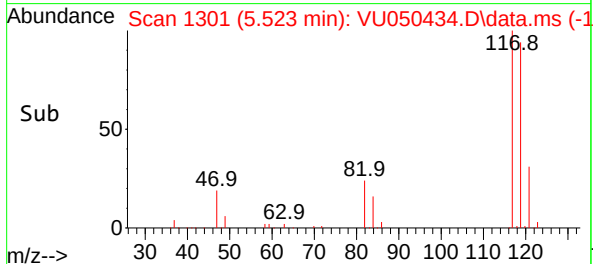
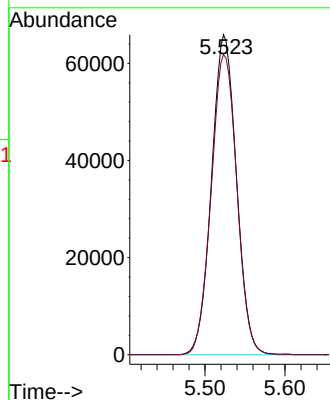
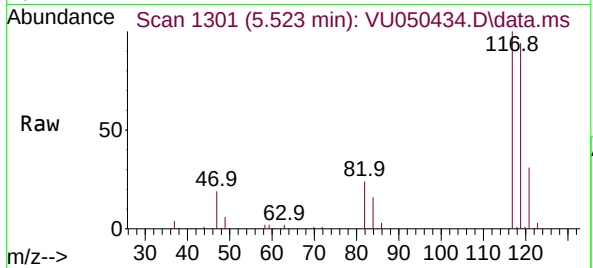




#31  
Carbon tetrachloride  
Concen: 46.464 ug/L  
RT: 5.523 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

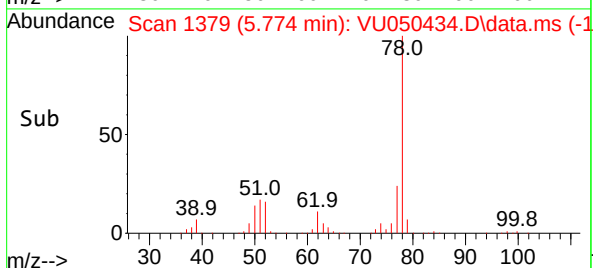
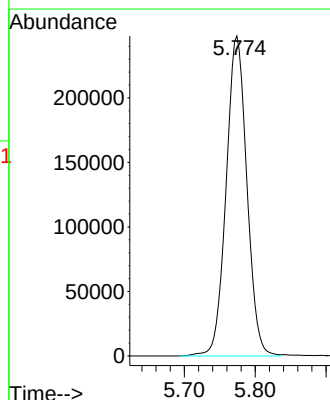
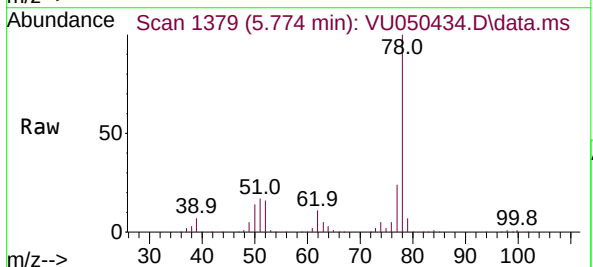
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

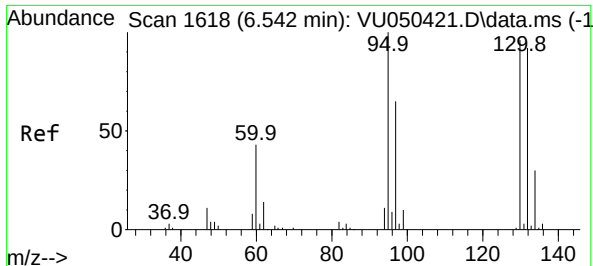
Tgt Ion:117 Resp: 142290  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.9 115.3



#33  
Benzene  
Concen: 51.038 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 78 Resp: 504020

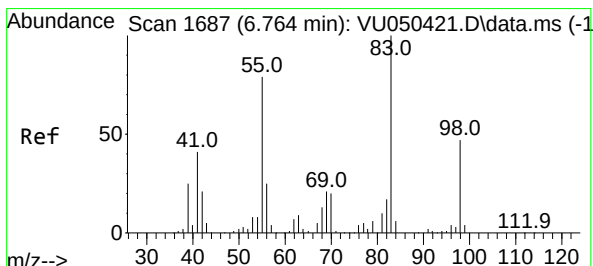
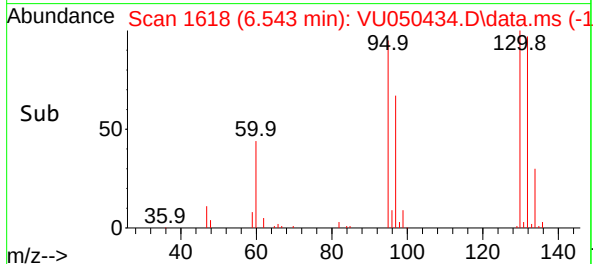
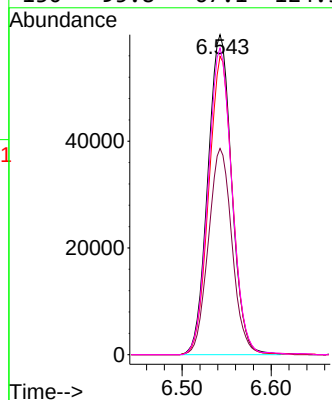
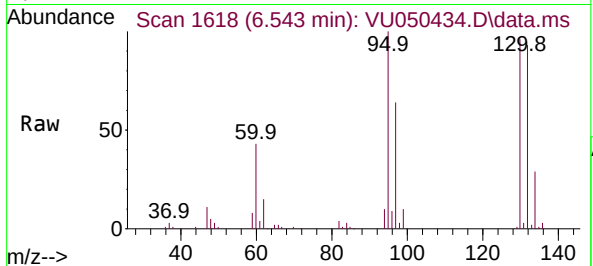




#34  
Trichloroethene  
Concen: 47.760 ug/L  
RT: 6.543 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

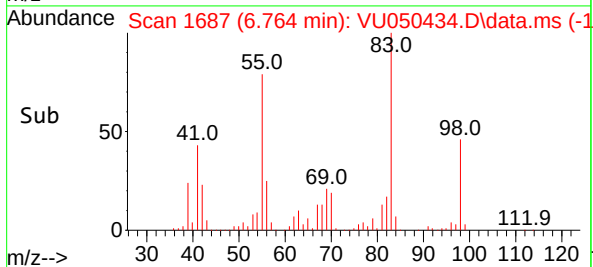
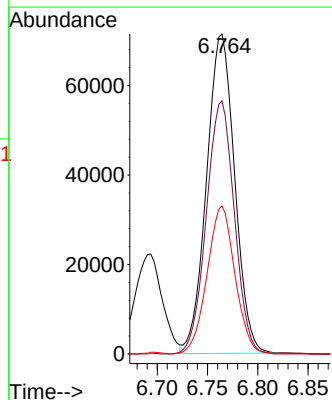
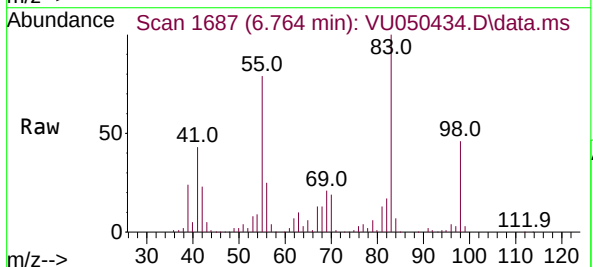
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

Tgt Ion: 95 Resp: 111643  
Ion Ratio Lower Upper  
95 100  
97 64.4 45.2 84.0  
132 93.2 64.4 119.6  
130 95.8 67.1 124.5

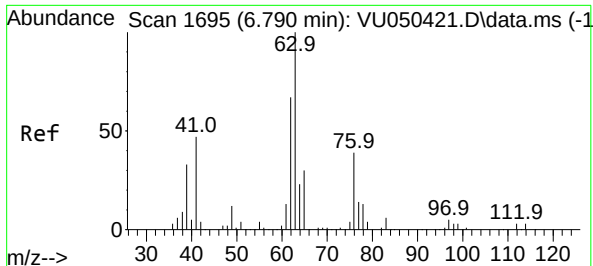


#35  
Methylcyclohexane  
Concen: 42.521 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 83 Resp: 138985  
Ion Ratio Lower Upper  
83 100  
55 78.8 61.9 92.9  
98 45.9 35.8 53.8







#37

1,2-Dichloropropane

Concen: 49.591 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

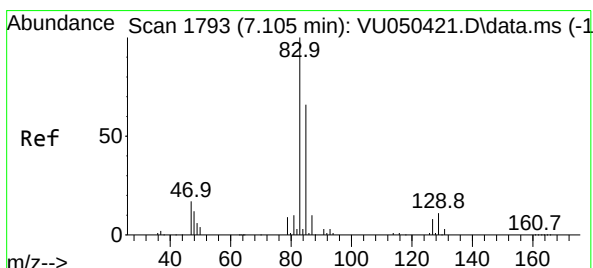
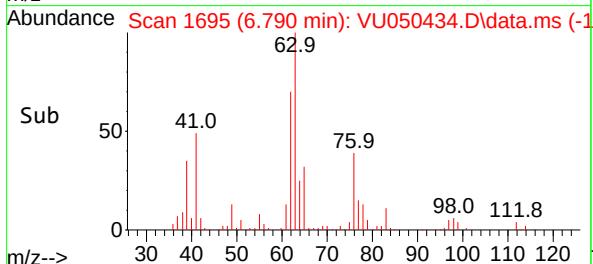
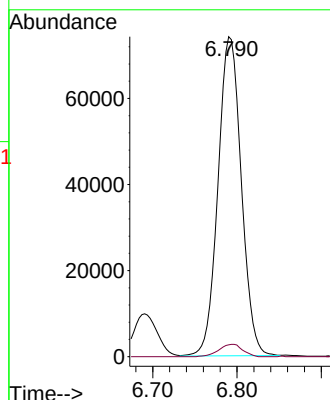
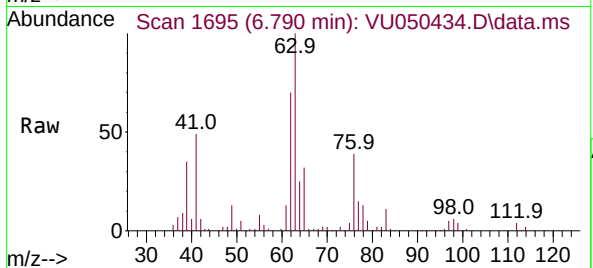
EY172MS

Tgt Ion: 63 Resp: 142253

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 48.935 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

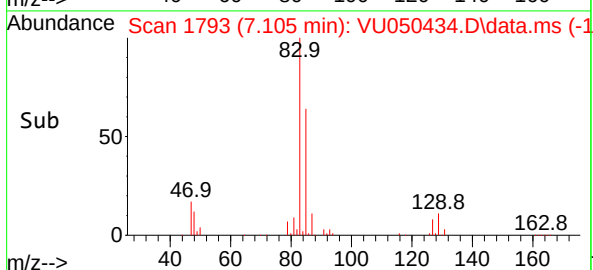
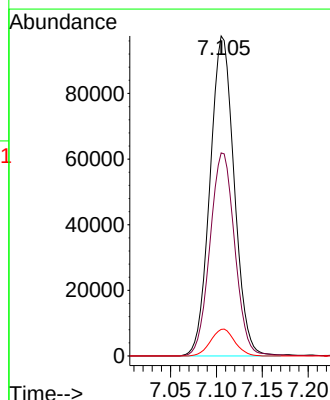
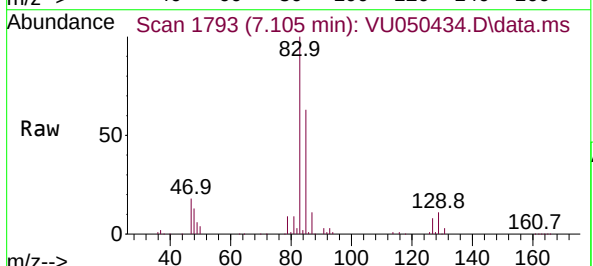
Tgt Ion: 83 Resp: 179088

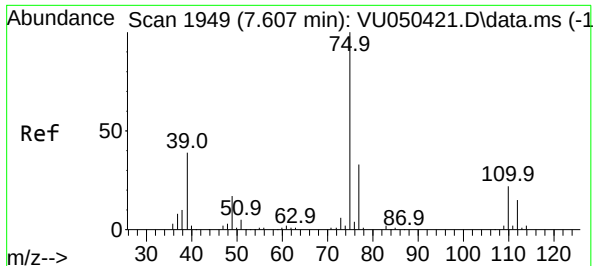
Ion Ratio Lower Upper

83 100

85 63.4 46.2 85.8

127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 49.482 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

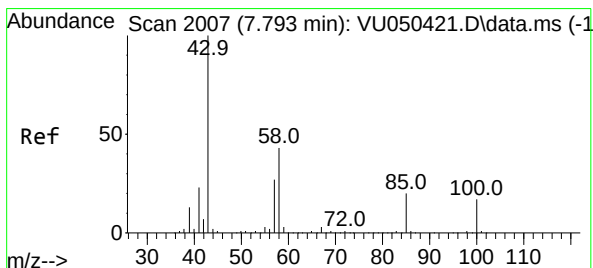
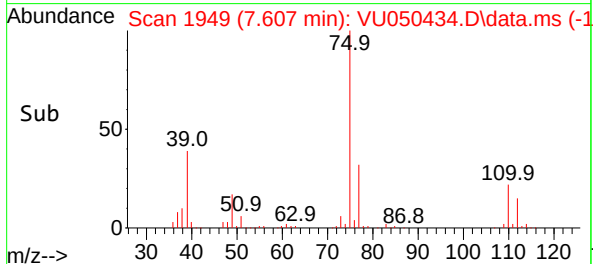
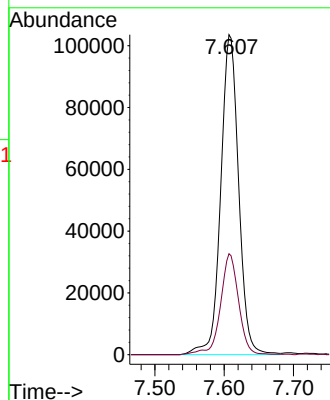
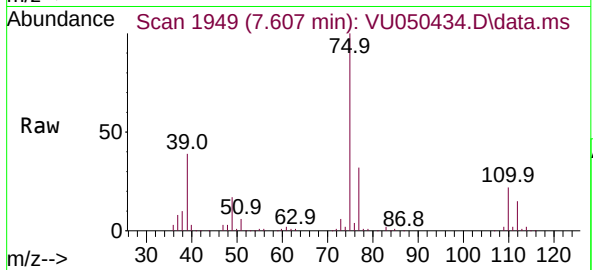
EY172MS

Tgt Ion: 75 Resp: 186395

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 109.419 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

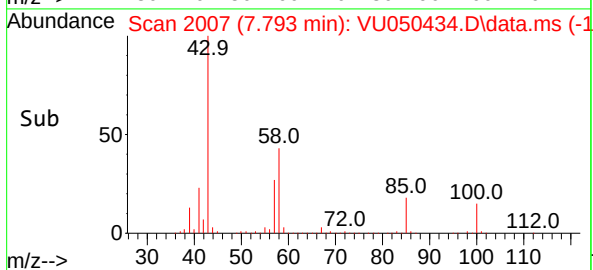
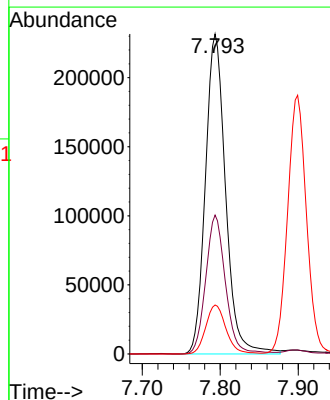
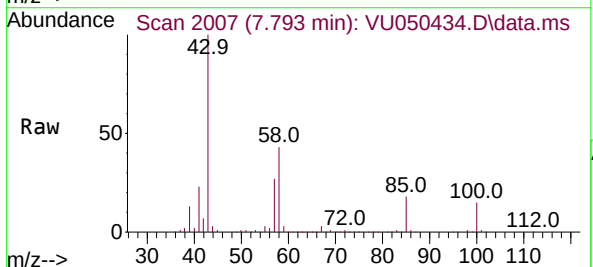
Tgt Ion: 43 Resp: 417097

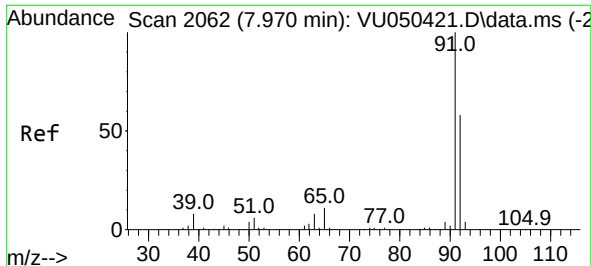
Ion Ratio Lower Upper

43 100

58 42.3 34.0 51.0

100 15.4 13.0 19.4





#42

Toluene

Concen: 51.527 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

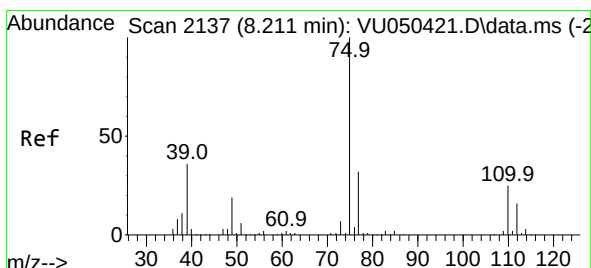
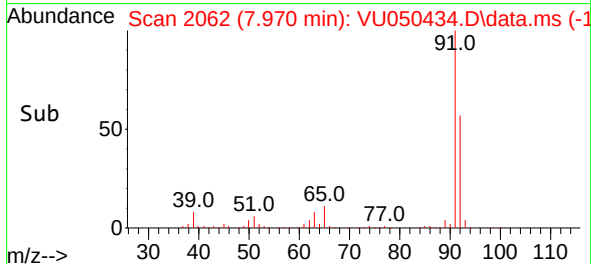
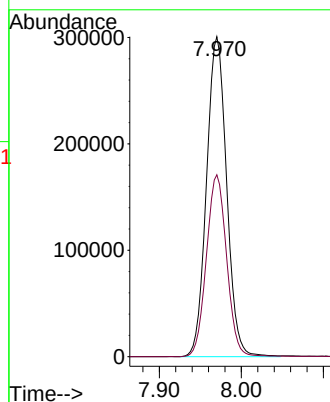
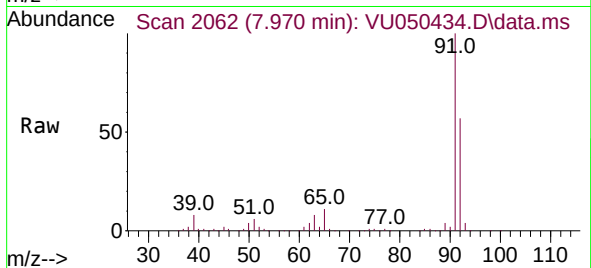
EY172MS

Tgt Ion: 91 Resp: 512671

Ion Ratio Lower Upper

91 100

92 56.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 49.073 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050434.D

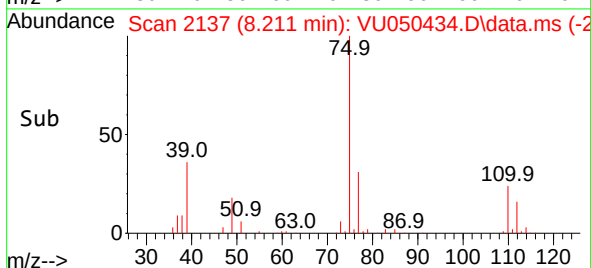
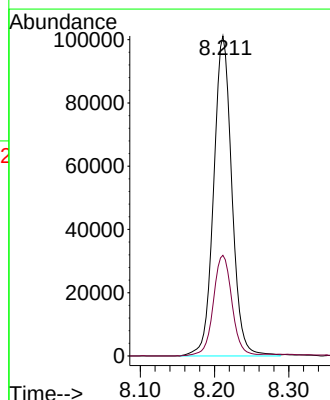
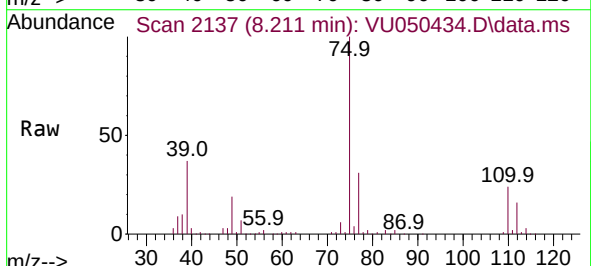
Acq: 24 Aug 2022 18:47

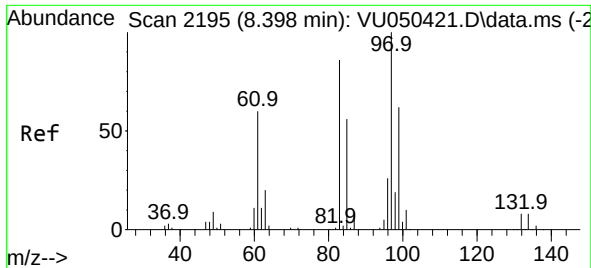
Tgt Ion: 75 Resp: 172306

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7

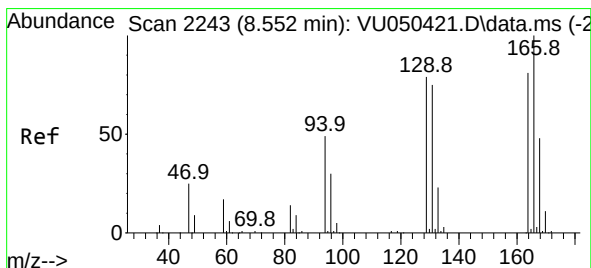
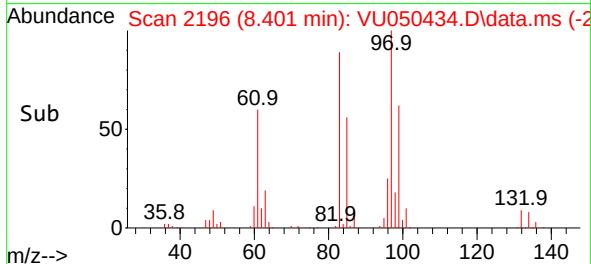
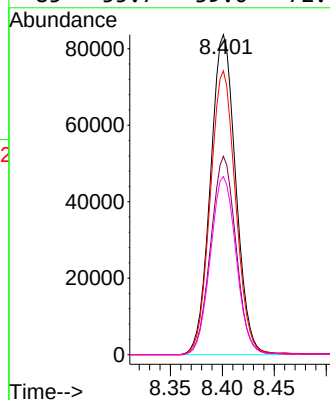
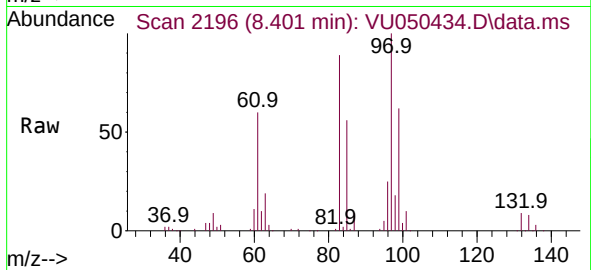




#45  
1,1,2-Trichloroethane  
Concen: 50.304 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

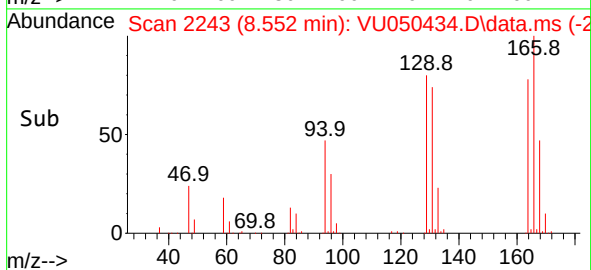
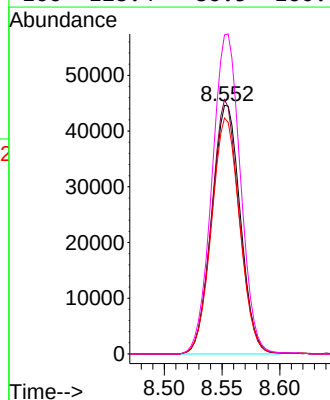
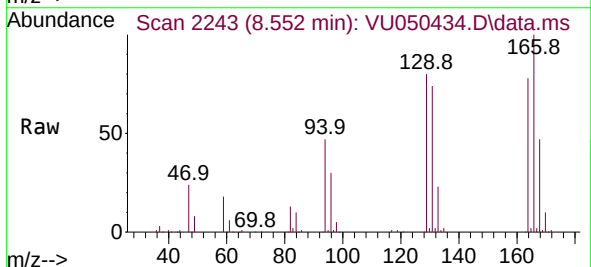
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

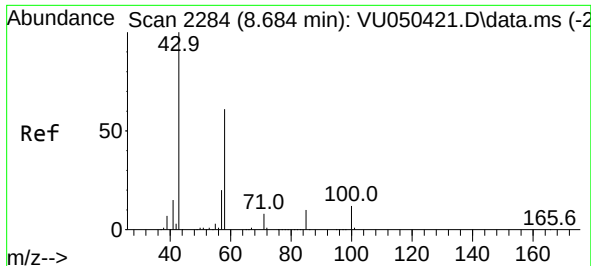
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 141989 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.0  | 43.3  | 80.3   |
| 83       | 88.7  | 60.3  | 112.1  |
| 85       | 55.7  | 39.0  | 72.4   |



#46  
Tetrachloroethene  
Concen: 44.765 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 76855 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 102.3 | 68.0  | 126.4 |
| 131      | 94.9  | 65.4  | 121.4 |
| 166      | 128.4 | 86.5  | 160.7 |

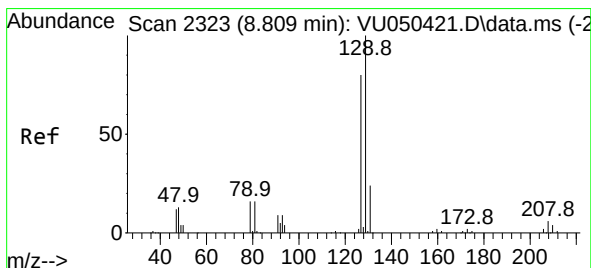
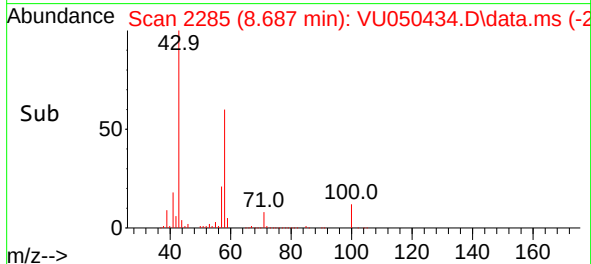
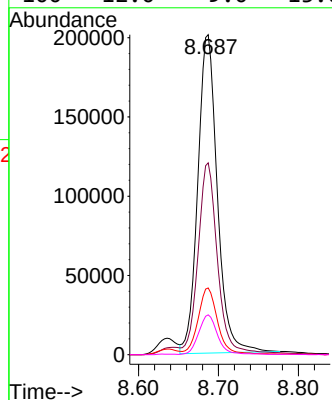
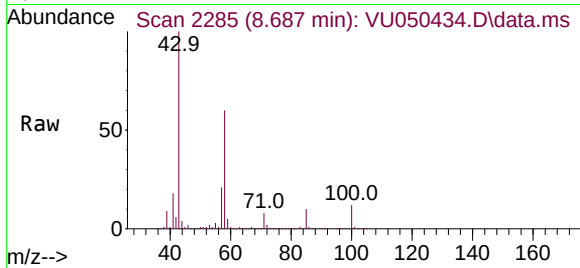




#48  
2-Hexanone  
Concen: 107.511 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

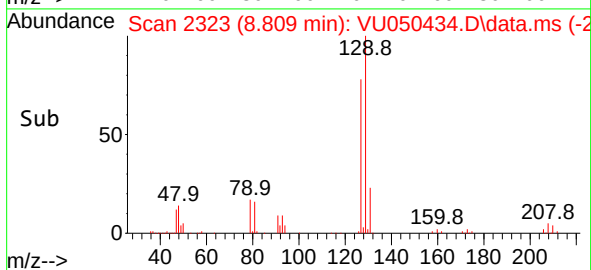
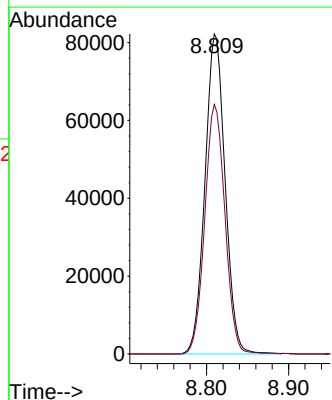
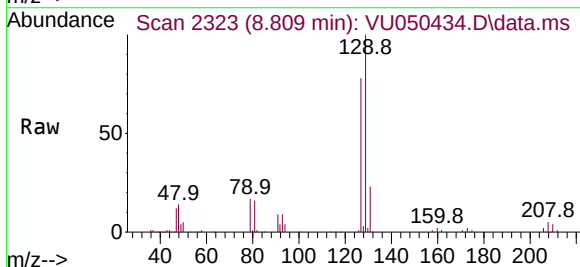
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

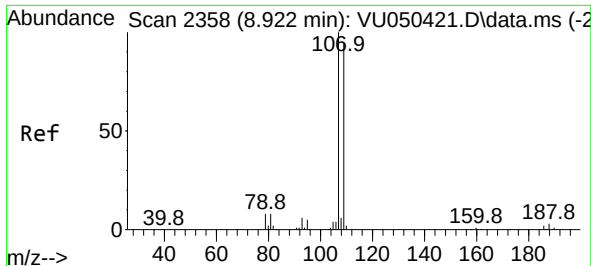
Tgt Ion: 43 Resp: 342251  
Ion Ratio Lower Upper  
43 100  
58 61.2 47.9 71.9  
57 20.7 15.4 23.0  
100 12.0 9.0 13.6



#49  
Dibromochloromethane  
Concen: 47.891 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 129 Resp: 140024  
Ion Ratio Lower Upper  
129 100  
127 78.0 55.9 103.7





#50

1,2-Dibromoethane

Concen: 48.957 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

EY172MS

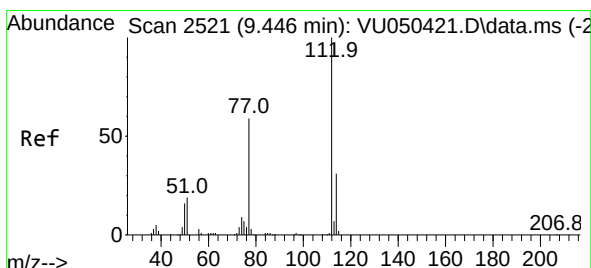
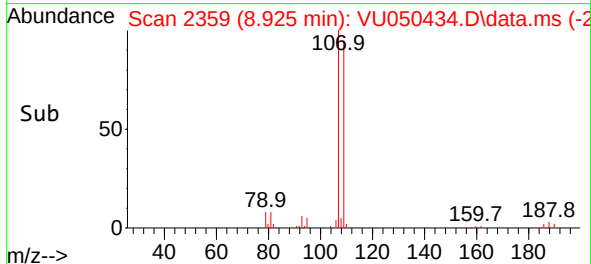
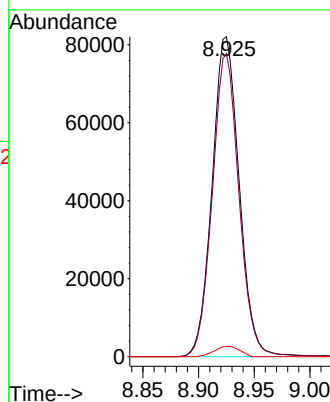
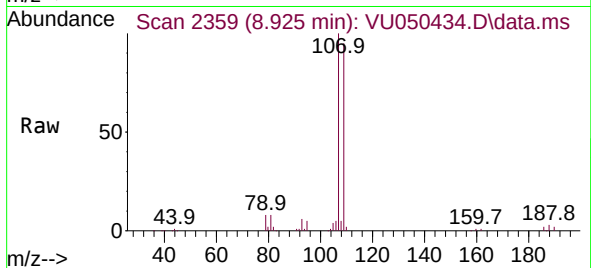
Tgt Ion:107 Resp: 138097

Ion Ratio Lower Upper

107 100

109 94.7 66.0 122.6

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 47.701 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

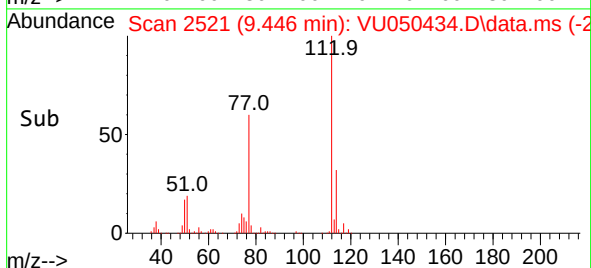
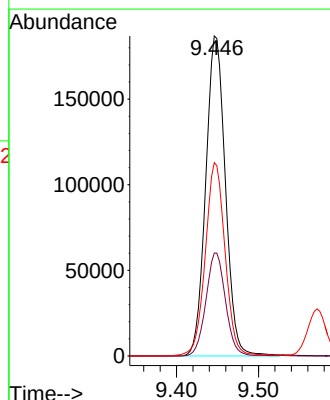
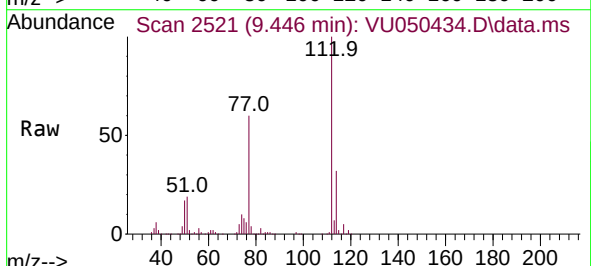
Tgt Ion:112 Resp: 311459

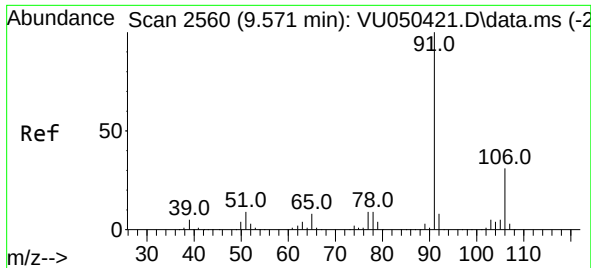
Ion Ratio Lower Upper

112 100

114 32.2 21.8 40.6

77 60.4 47.6 71.4

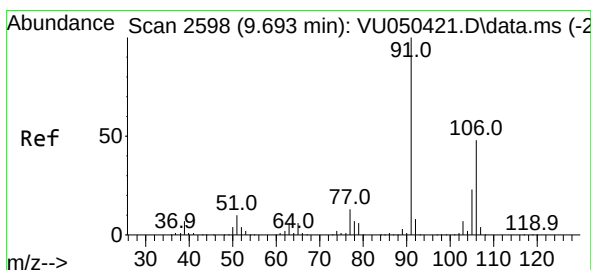
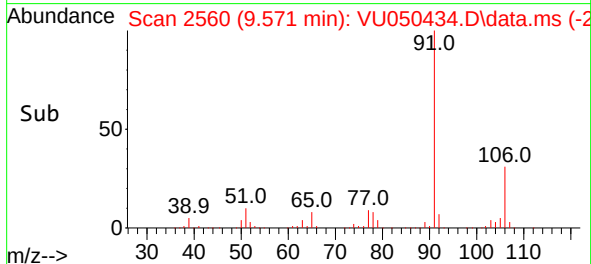
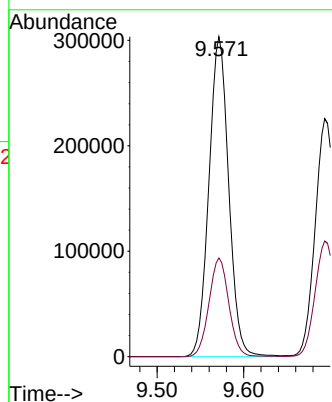
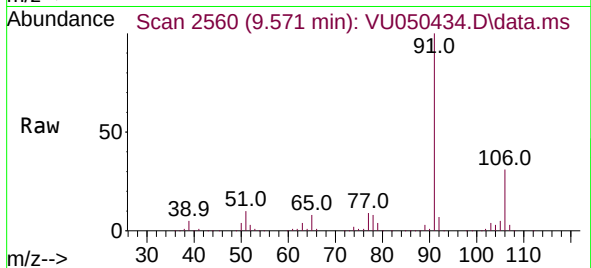




#52  
Ethylbenzene  
Concen: 48.047 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

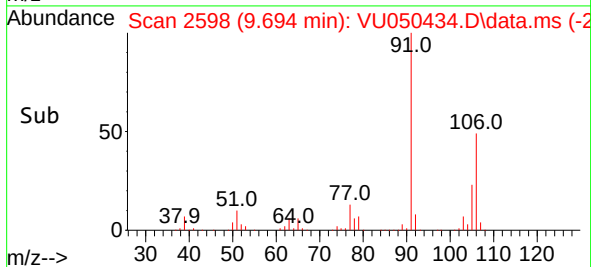
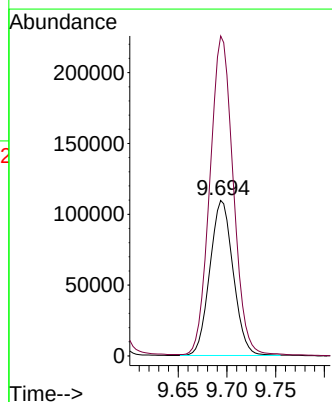
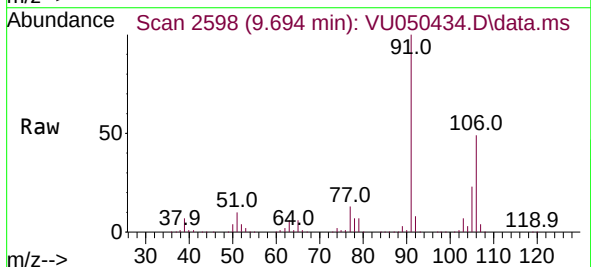
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

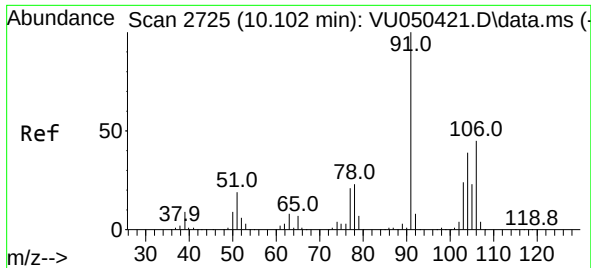
Tgt Ion: 91 Resp: 481810  
Ion Ratio Lower Upper  
91 100  
106 30.8 21.7 40.3



#53  
m,p-Xylene  
Concen: 48.624 ug/L  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 106 Resp: 182091  
Ion Ratio Lower Upper  
106 100  
91 205.8 145.9 270.9

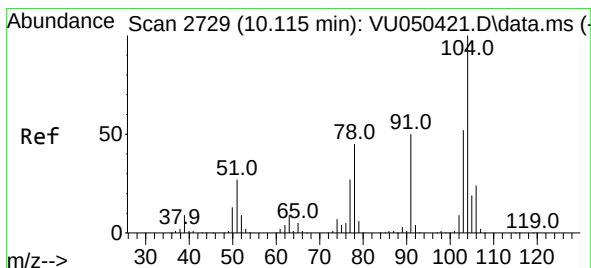
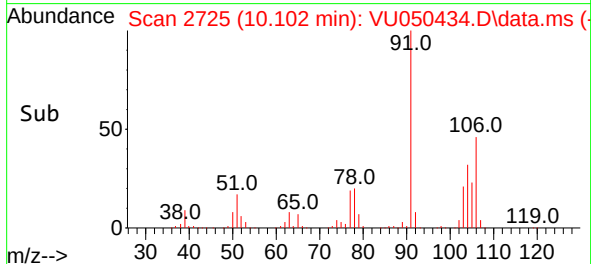
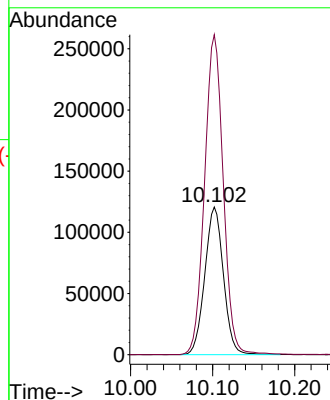
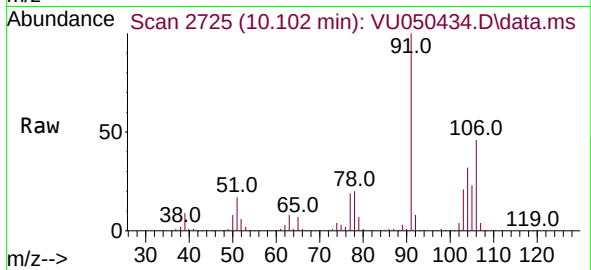




#54  
o-Xylene  
Concen: 51.226 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

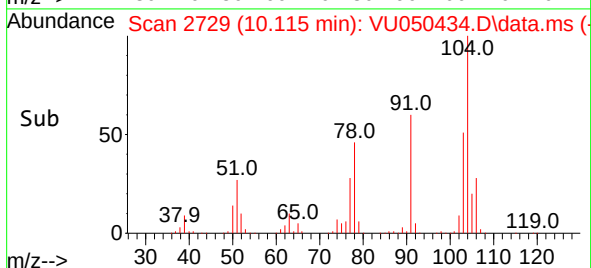
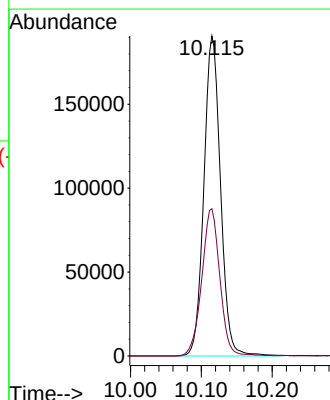
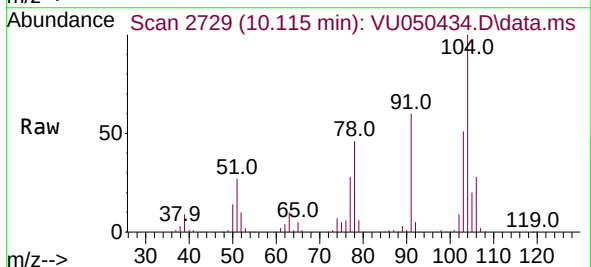
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

Tgt Ion:106 Resp: 190588  
Ion Ratio Lower Upper  
106 100  
91 216.7 154.8 287.4

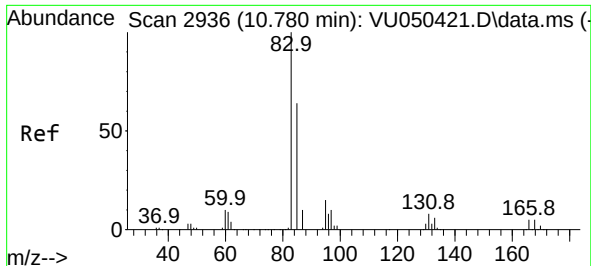


#55  
Styrene  
Concen: 49.181 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion:104 Resp: 311352  
Ion Ratio Lower Upper  
104 100  
78 46.0 31.6 58.8



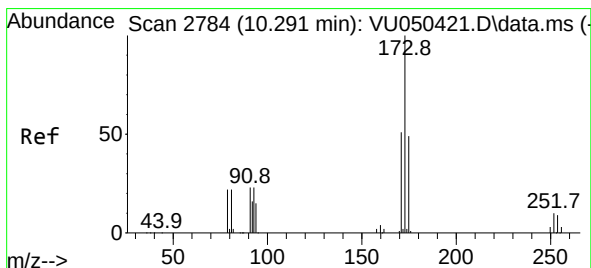
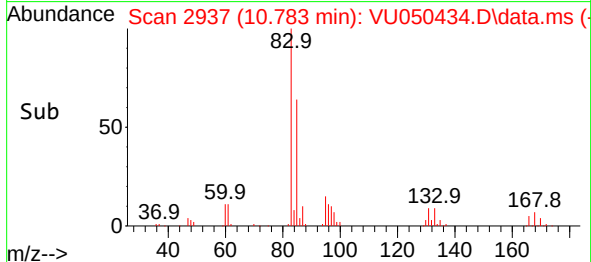
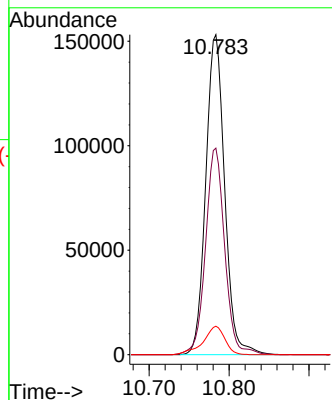
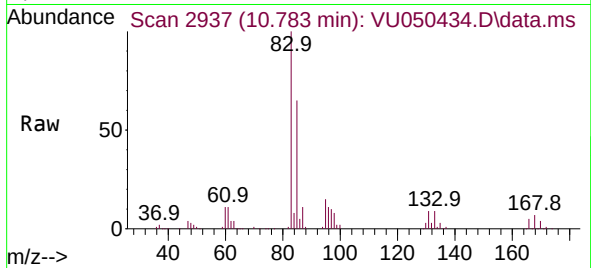




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.776 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

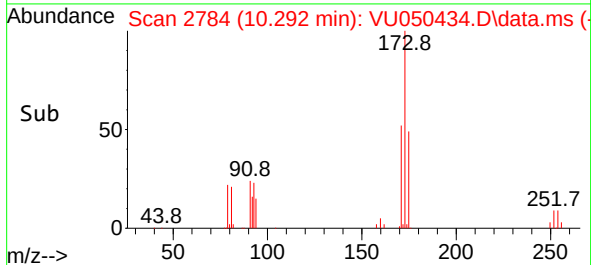
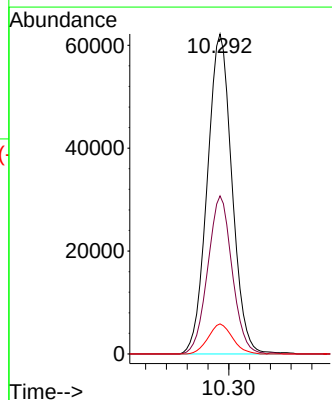
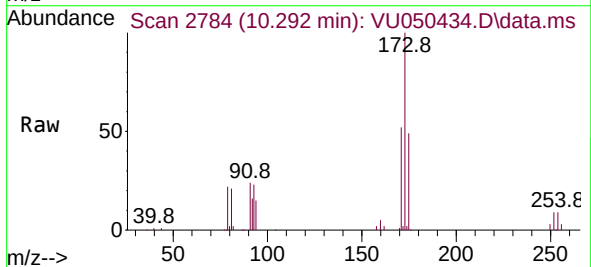
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

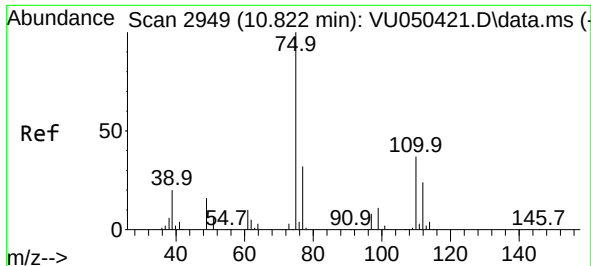
Tgt Ion: 83 Resp: 251566  
Ion Ratio Lower Upper  
83 100  
85 64.5 45.4 84.2  
131 8.9 7.2 10.8



#59  
Bromoform  
Concen: 48.915 ug/L  
RT: 10.292 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion:173 Resp: 102475  
Ion Ratio Lower Upper  
173 100  
175 48.7 38.4 57.6  
254 9.3 7.1 10.7

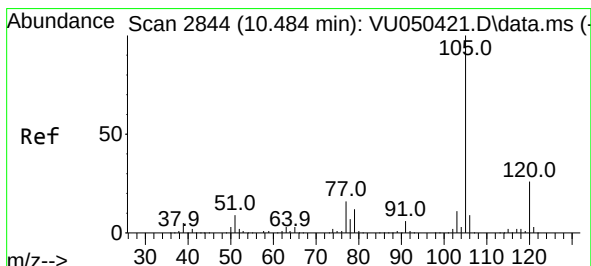
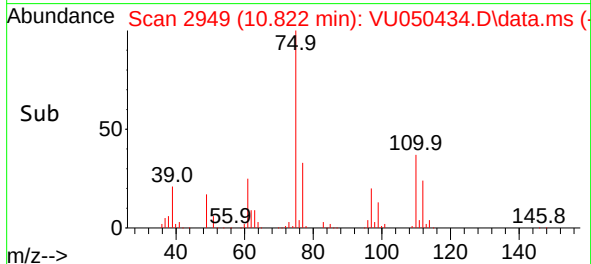
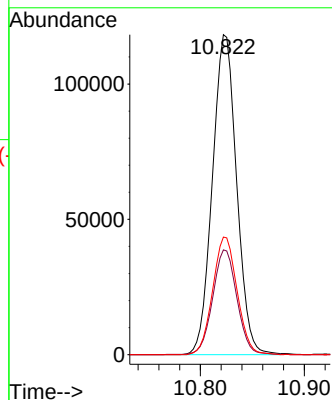
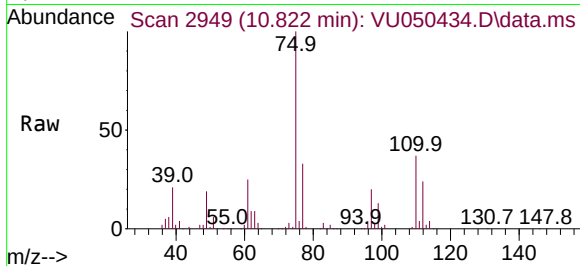




#60  
1,2,3-Trichloropropane  
Concen: 50.824 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

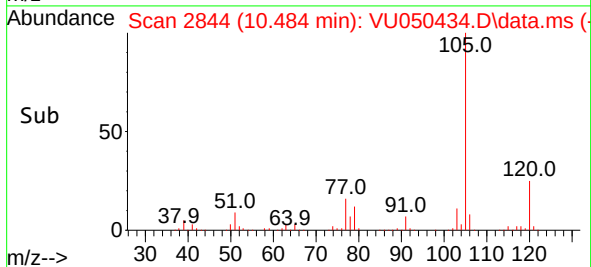
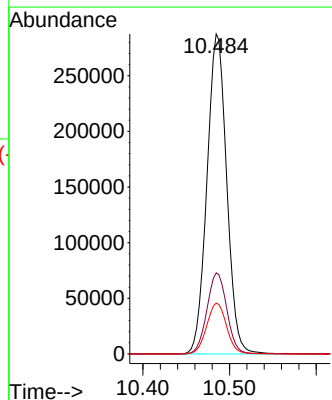
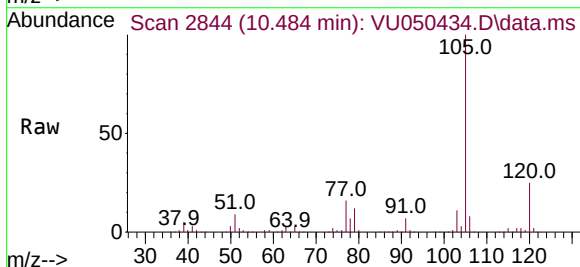
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

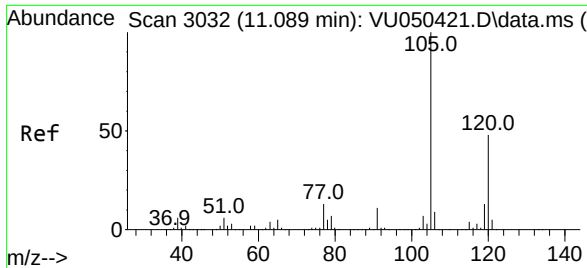
Tgt Ion: 75 Resp: 191601  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.7 38.5  
110 37.1 29.0 43.4



#61  
Isopropylbenzene  
Concen: 50.289 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion: 105 Resp: 455045  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.7 31.1  
77 16.1 12.5 18.7

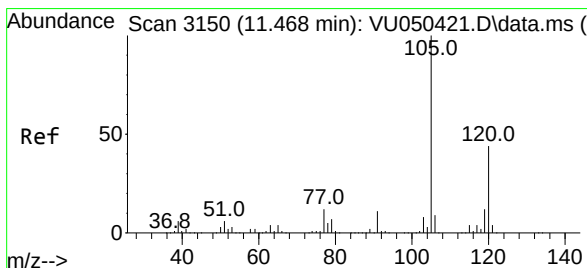
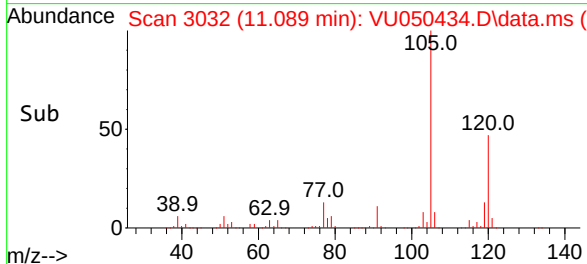
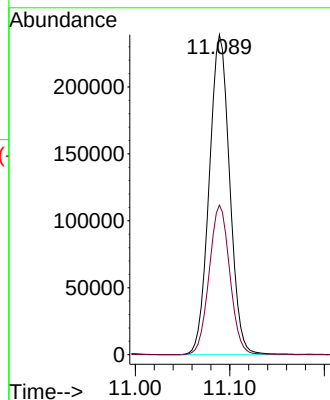
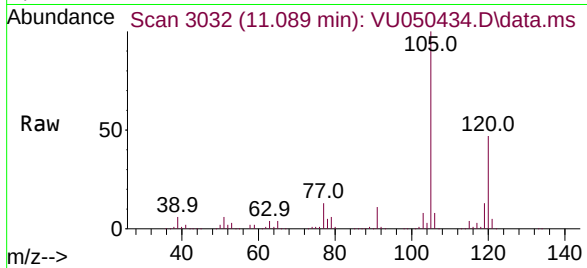




#62  
 1,3,5-Trimethylbenzene  
 Concen: 49.209 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. 0.000 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

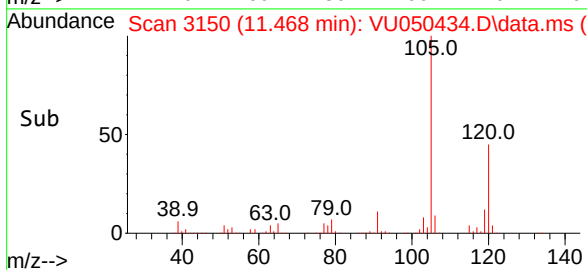
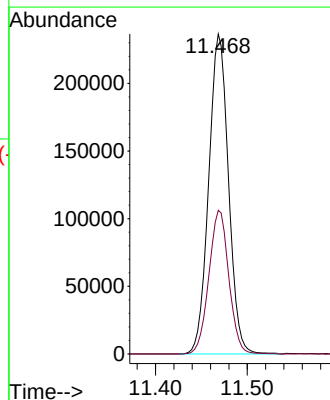
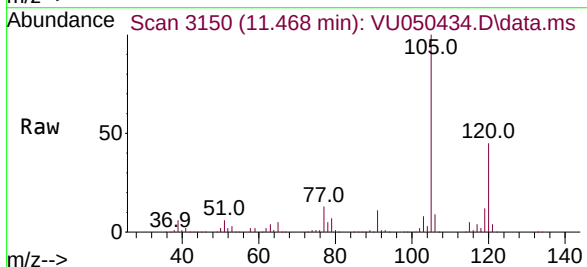
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY172MS

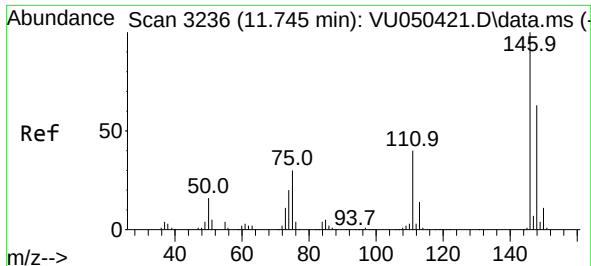
Tgt Ion:105 Resp: 359535  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 38.1 57.1



#63  
 1,2,4-Trimethylbenzene  
 Concen: 49.676 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

Tgt Ion:105 Resp: 353999  
 Ion Ratio Lower Upper  
 105 100  
 120 45.3 35.3 52.9

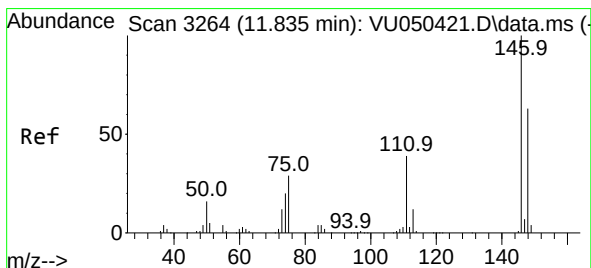
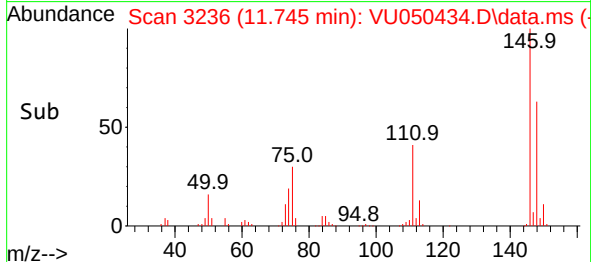
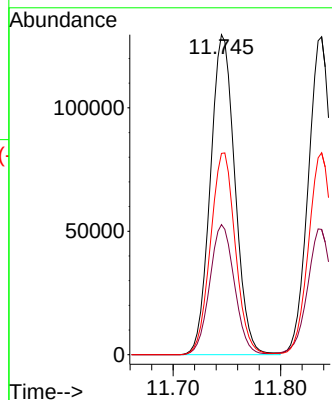
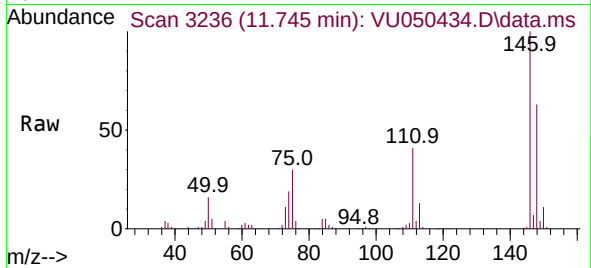




#64  
1,3-Dichlorobenzene  
Concen: 46.529 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

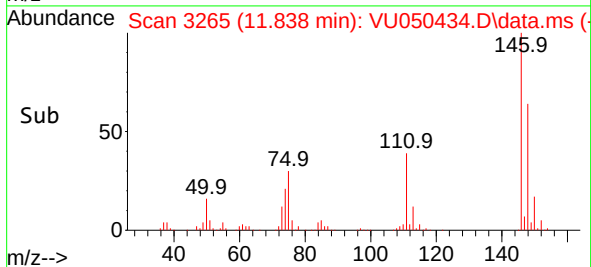
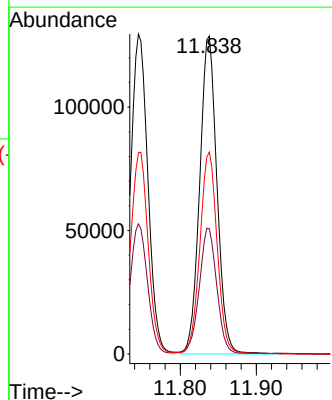
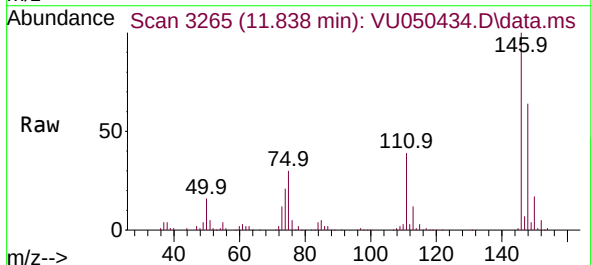
Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

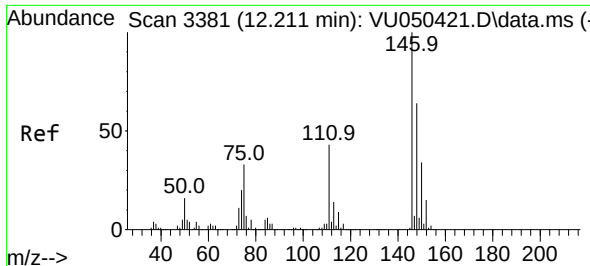
Tgt Ion:146 Resp: 205861  
Ion Ratio Lower Upper  
146 100  
111 40.6 28.1 52.1  
148 62.9 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 45.686 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Tgt Ion:146 Resp: 203564  
Ion Ratio Lower Upper  
146 100  
111 39.4 27.6 51.2  
148 63.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 48.739 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

Instrument :

MSVOA\_U

ClientSampleId :

EY172MS

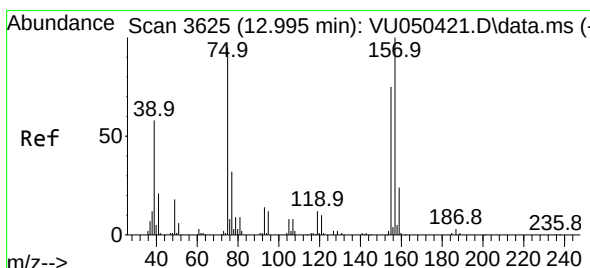
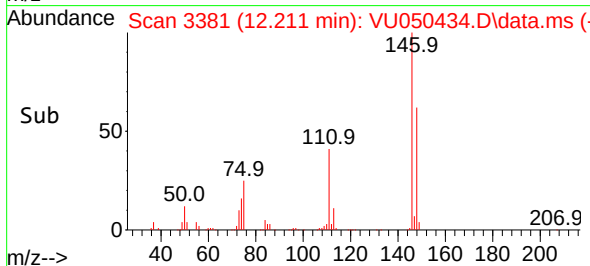
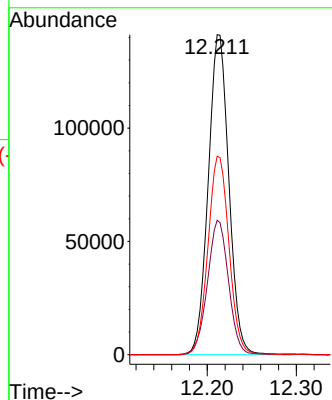
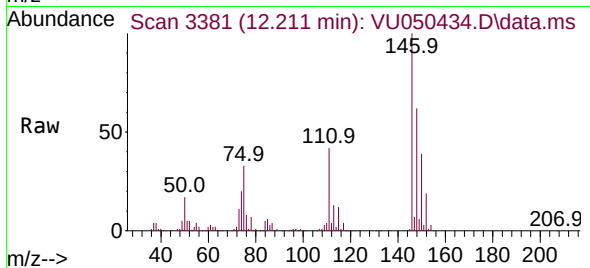
Tgt Ion:146 Resp: 226766

Ion Ratio Lower Upper

146 100

111 42.0 34.1 51.1

148 62.1 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 48.740 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050434.D

Acq: 24 Aug 2022 18:47

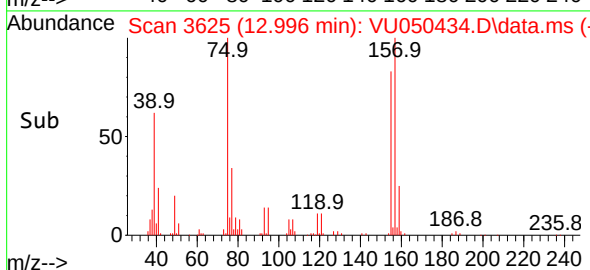
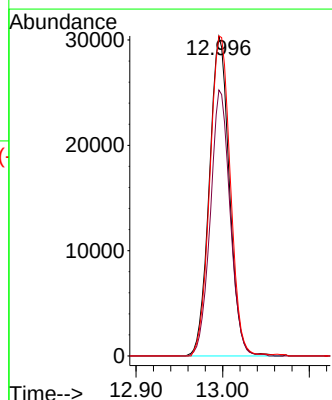
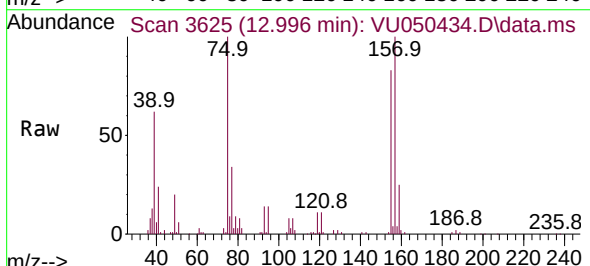
Tgt Ion: 75 Resp: 48834

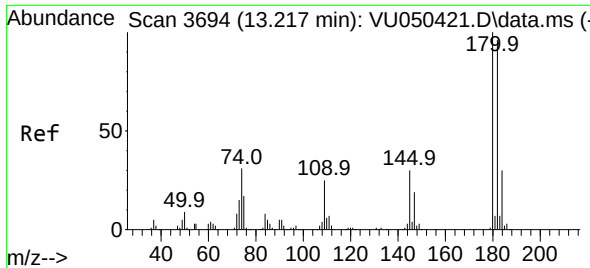
Ion Ratio Lower Upper

75 100

155 83.2 63.1 94.7

157 100.2 84.2 126.2

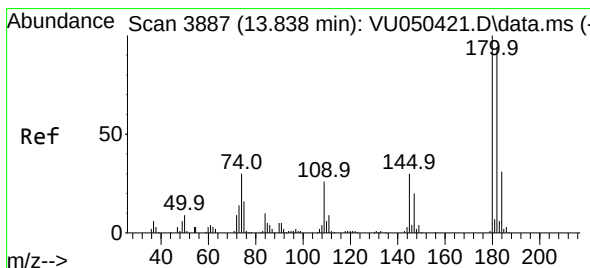
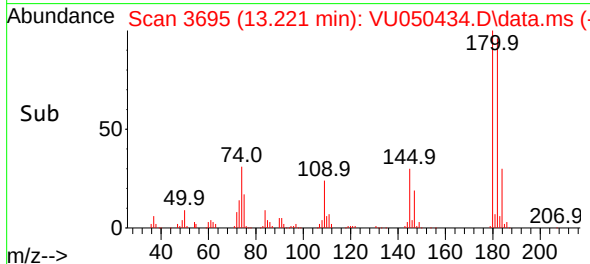
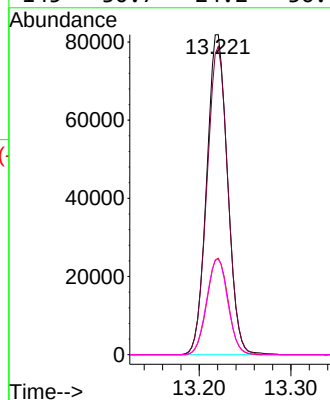
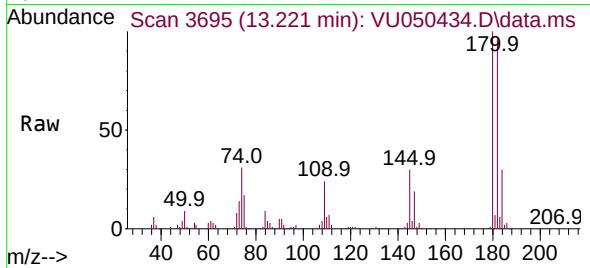




#69  
 1,3,5-Trichlorobenzene  
 Concen: 42.375 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.003 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

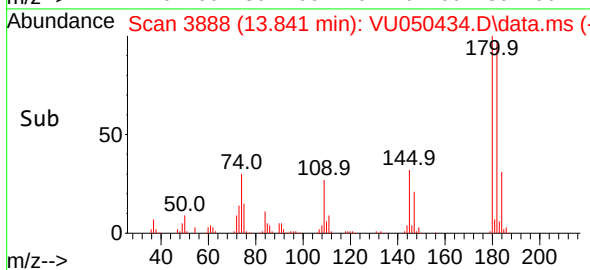
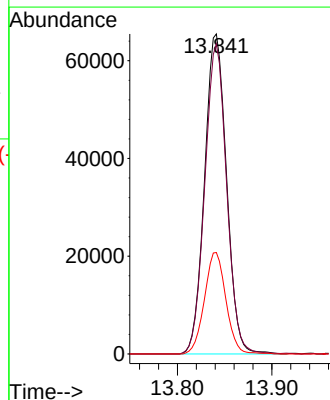
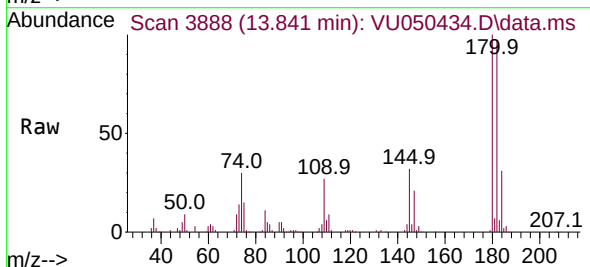
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EY172MS

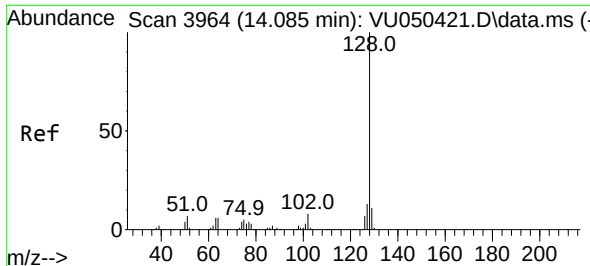
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 129234 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.6  | 77.0  | 115.6  |
| 184       | 30.6  | 24.1  | 36.1   |
| 145       | 30.7  | 24.2  | 36.4   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 43.391 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.003 min  
 Lab File: VU050434.D  
 Acq: 24 Aug 2022 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 105981 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 75.4  | 113.2  |
| 145       | 30.9  | 23.9  | 35.9   |

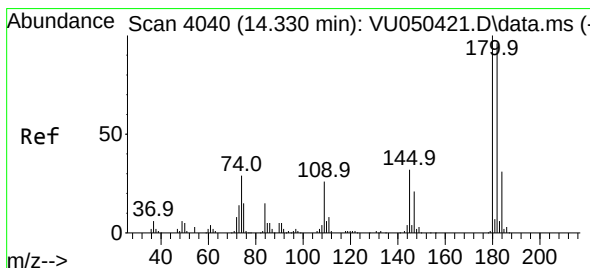
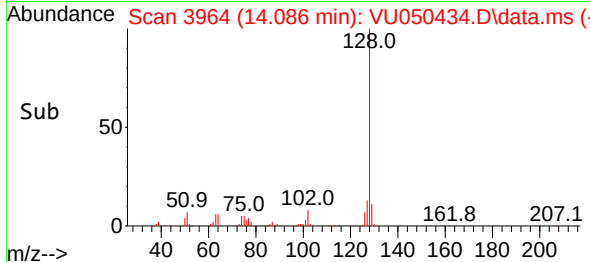
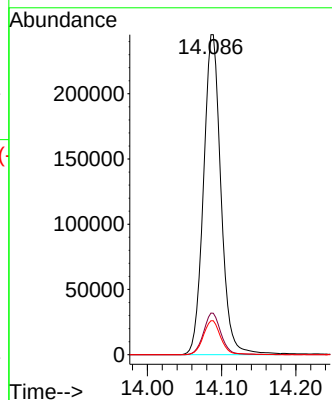
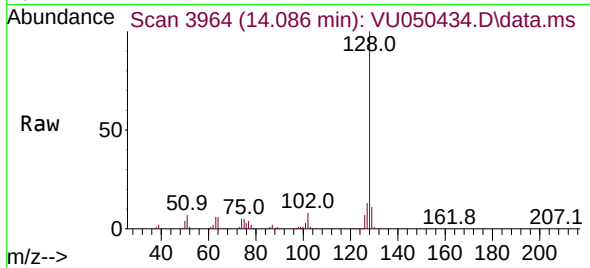




#71  
Naphthalene  
Concen: 49.962 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
EY172MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 400301 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.0  | 10.5  | 15.7   |
| 129      | 10.7  | 8.8   | 13.2   |



#72  
1,2,3-Trichlorobenzene  
Concen: 47.756 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU050434.D  
Acq: 24 Aug 2022 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 127480 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.4  | 76.8  | 115.2  |
| 145      | 32.2  | 26.5  | 39.7   |

