

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080422\  
 Data File : VU050081.D  
 Acq On : 04 Aug 2022 23:25  
 Operator : SY/MD  
 Sample : N4027-03MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJG8MS

Quant Time: Aug 05 04:58:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 05 04:52:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| -----                         |           |                |          |             |        |          |
| Internal Standards            |           |                |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 6.250     | 114            | 75063    | 5.000       | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117            | 74292    | 5.000       | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152            | 34888    | 5.000       | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65             | 33345    | 5.338       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 106.800%  |        |          |
| 7) Chloroethane-d5            | 1.912     | 69             | 27057    | 5.369       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 107.400%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565     | 65             | 12427    | 5.090       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 101.800%  |        |          |
| 20) 2-Butanone-d5             | 4.636     | 46             | 103114   | 67.689      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 135.380%# |        |          |
| 24) Chloroform-d              | 5.063     | 84             | 63687    | 5.481       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 109.600%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703     | 65             | 32860    | 5.508       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 110.200%  |        |          |
| 32) Benzene-d6                | 5.726     | 84             | 121869   | 5.257       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 105.200%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690     | 67             | 40607    | 5.319       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 106.400%  |        |          |
| 41) Toluene-d8                | 7.896     | 98             | 108556   | 5.302       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 106.000%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79             | 14060    | 5.139       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 102.800%  |        |          |
| 46) 2-Hexanone-d5             | 8.636     | 63             | 65220    | 67.226      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 134.460%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754    | 84             | 38518    | 5.745       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 115.000%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192    | 152            | 36579    | 5.351       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 107.000%  |        |          |
| Target Compounds              |           |                |          |             |        |          |
|                               |           |                |          |             |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385     | 85             | 43351    | 6.299       | ug/L   | 100      |
| 3) Chloromethane              | 1.520     | 50             | 51032    | 5.669       | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604     | 62             | 85851    | 10.646      | ug/L   | 99       |
| 6) Bromomethane               | 1.858     | 94             | 19759    | 3.838       | ug/L   | 100      |
| 8) Chloroethane               | 1.932     | 64             | 27101    | 5.703       | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.137     | 101            | 55299    | 6.262       | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578     | 101            | 61807    | 12.581      | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.578     | 96             | 132402   | 25.518      | ug/L # | 71       |
| 13) Acetone                   | 2.642     | 43             | 67088    | 79.079      | ug/L   | 88       |
| 14) Carbon disulfide          | 2.790     | 76             | 106042   | 5.722       | ug/L   | 99       |
| 15) Methyl Acetate            | 2.957     | 43             | 14146    | 6.107       | ug/L   | 96       |
| 16) Methylene chloride        | 3.044     | 84             | 38727    | 4.885       | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.366     | 73             | 83600    | 6.174       | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.353     | 96             | 38939    | 6.703       | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.867     | 63             | 164570   | 14.959      | ug/L   | 99       |
| 21) 2-Butanone                | 4.713     | 43             | 111316   | 72.968      | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.668     | 96             | 767300   | 118.996     | ug/L   | 98       |
| 23) Bromochloromethane        | 4.973     | 128            | 18760    | 6.087       | ug/L   | 98       |
| 25) Chloroform                | 5.089     | 83             | 68868    | 5.872       | ug/L   | 98       |

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 Sample : N4027-03MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

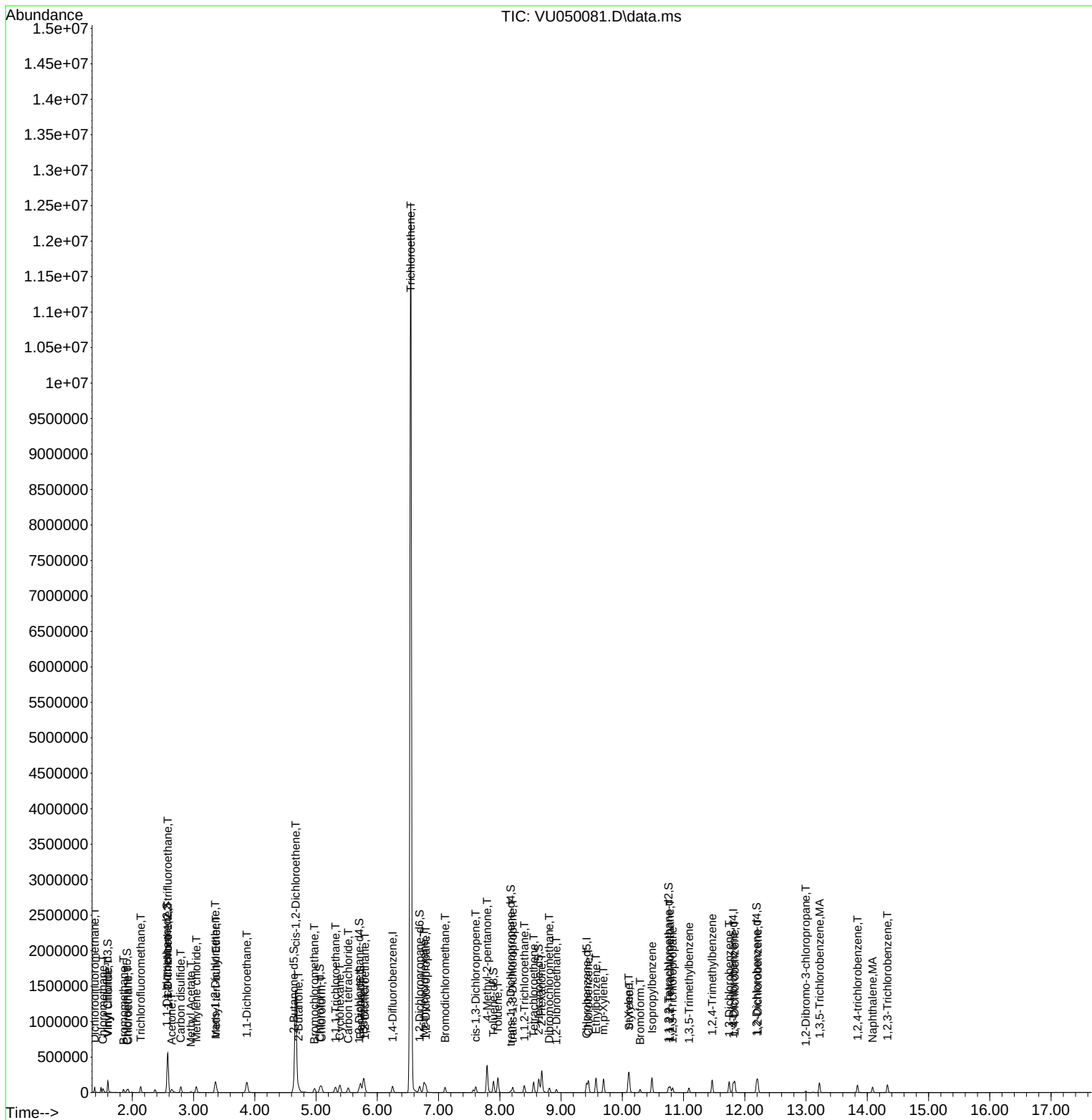
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJG8MS

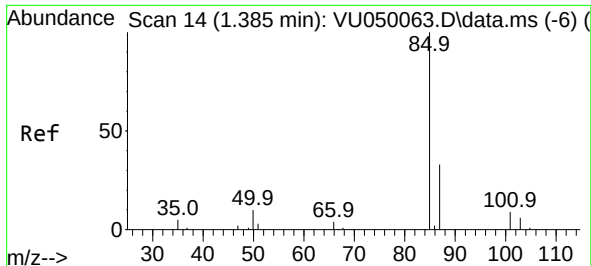
Quant Time: Aug 05 04:58:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 05 04:52:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 59319    | 8.310   | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 55625    | 6.103   | ug/L  | 98       |
| 30) Cyclohexane               | 5.388  | 56   | 50412    | 6.349   | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 45692    | 6.116   | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 173821   | 6.678   | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 4424441  | 702.813 | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 53604    | 6.596   | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 40193    | 5.797   | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 47816    | 5.678   | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 49940    | 5.519   | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 247276   | 61.575  | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 154333   | 5.912   | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 43307    | 5.581   | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 31135    | 6.007   | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.552  | 164  | 31924    | 7.078   | ug/L  | 96       |
| 48) 2-Hexanone                | 8.684  | 43   | 194737   | 62.697  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 33737    | 5.881   | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 28975    | 6.166   | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 91368    | 5.563   | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 143714   | 5.642   | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 53483    | 5.701   | ug/L  | 97       |
| 54) o-Xylene                  | 10.102 | 106  | 54637    | 5.834   | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 88024    | 5.626   | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 41651    | 6.116   | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 19808    | 5.661   | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.484 | 105  | 133508   | 5.730   | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 28078    | 5.908   | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 34935    | 5.307   | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 98417    | 5.488   | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 63854    | 5.437   | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 63125    | 5.524   | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 62541    | 5.499   | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 5928     | 6.361   | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 43364    | 5.184   | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 33332    | 5.259   | ug/L  | 99       |
| 71) Naphthalene               | 14.085 | 128  | 66559    | 5.121   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 34991    | 5.446   | ug/L  | 98       |

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

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QLast Update : Fri Aug 05 04:52:21 2022  
Response via : Initial Calibration

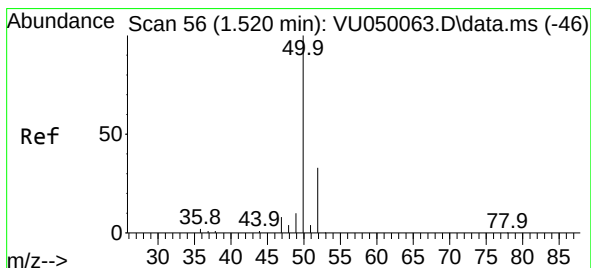
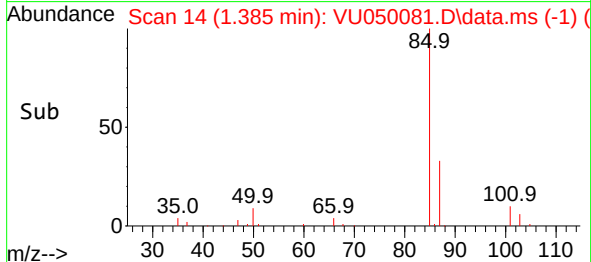
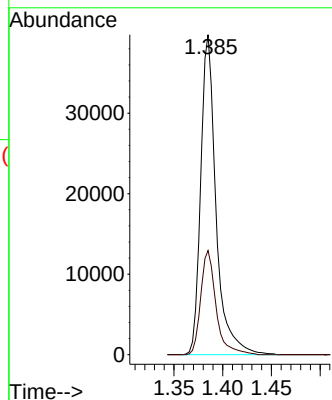
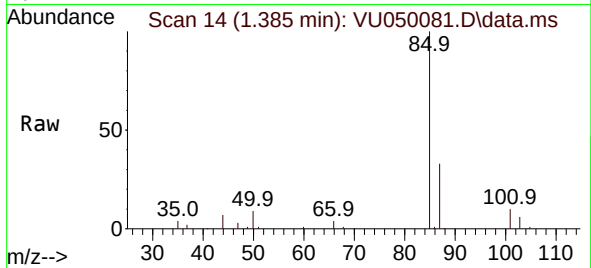




#2  
Dichlorodifluoromethane  
Concen: 6.299 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

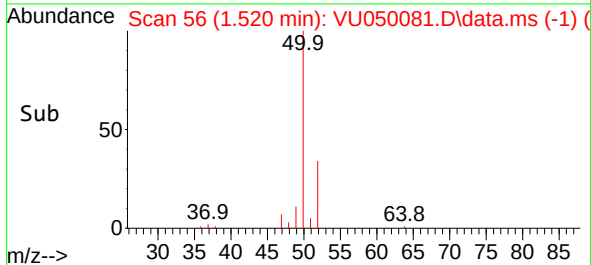
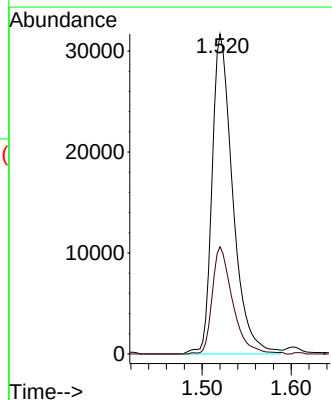
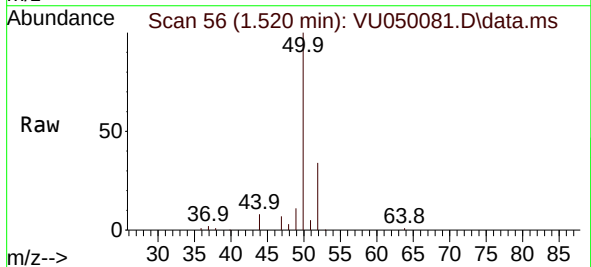
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

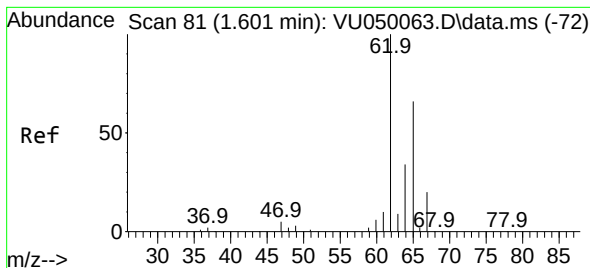
Tgt Ion: 85 Resp: 43351  
Ion Ratio Lower Upper  
85 100  
87 32.7 26.2 39.4



#3  
Chloromethane  
Concen: 5.669 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 50 Resp: 51032  
Ion Ratio Lower Upper  
50 100  
52 33.5 23.2 43.2





#5

Vinyl chloride

Concen: 10.646 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

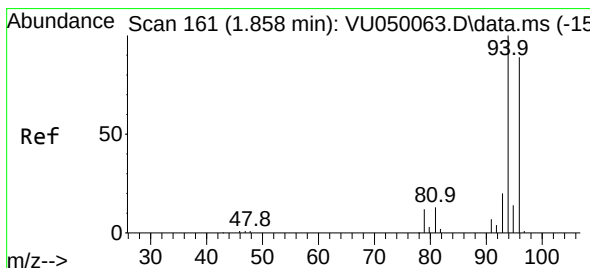
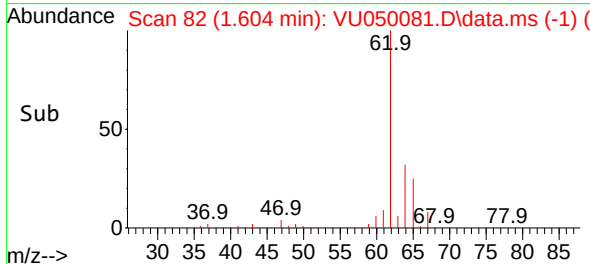
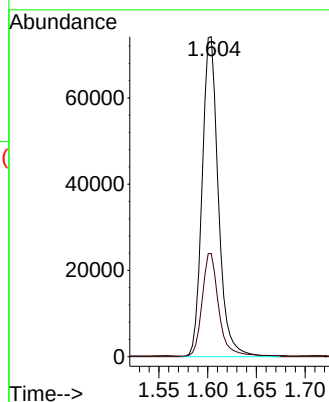
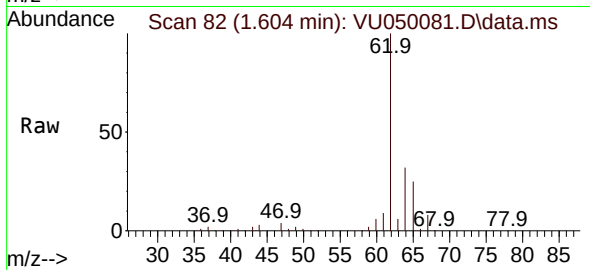
GBJG8MS

Tgt Ion: 62 Resp: 85851

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



#6

Bromomethane

Concen: 3.838 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU050081.D

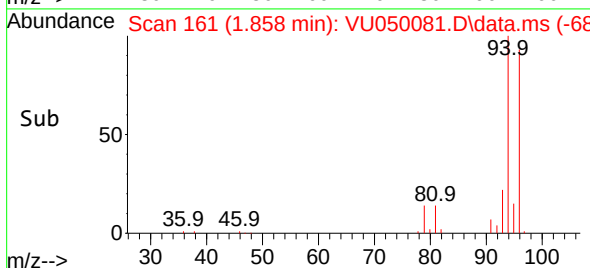
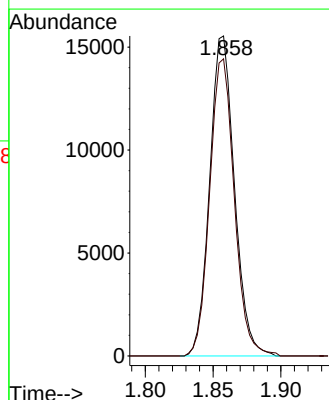
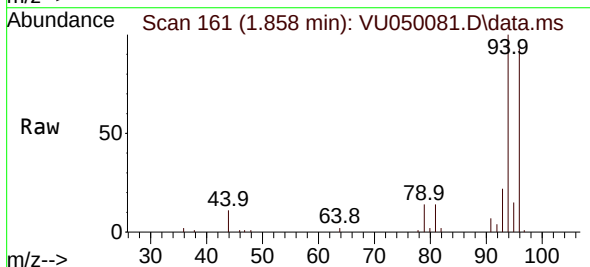
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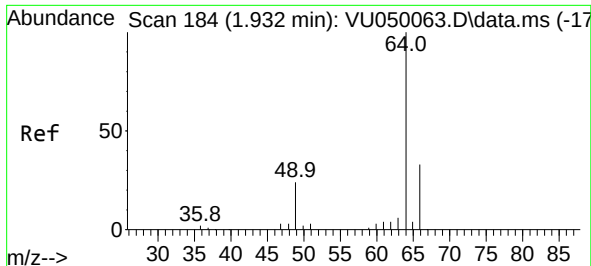
Tgt Ion: 94 Resp: 19759

Ion Ratio Lower Upper

94 100

96 92.8 65.3 121.3

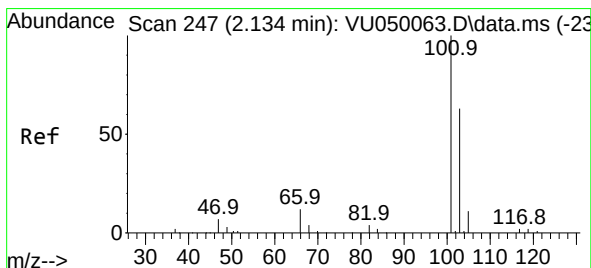
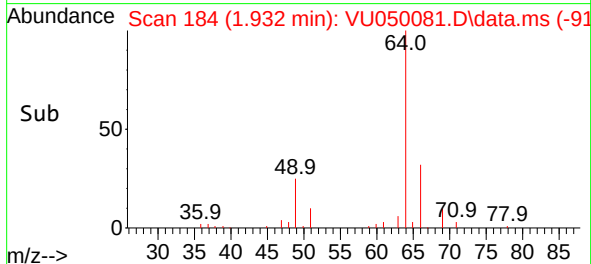
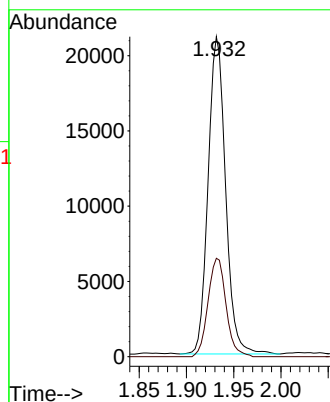
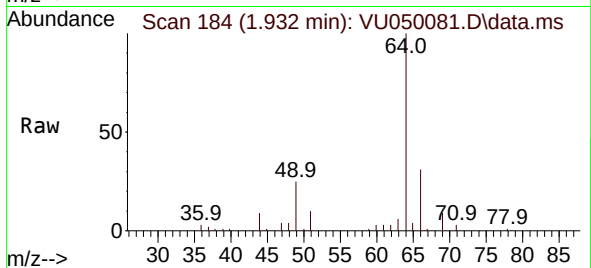




#8  
Chloroethane  
Concen: 5.703 ug/L  
RT: 1.932 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

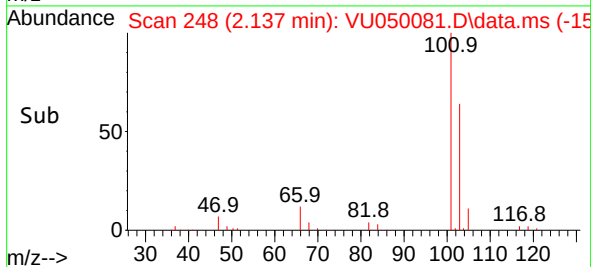
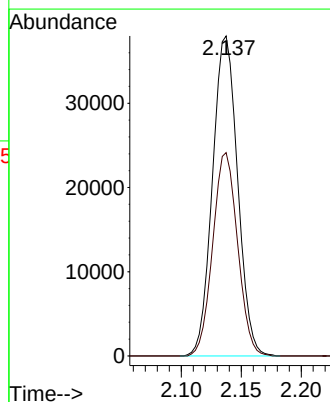
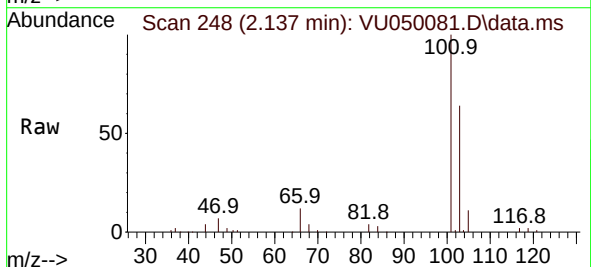
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

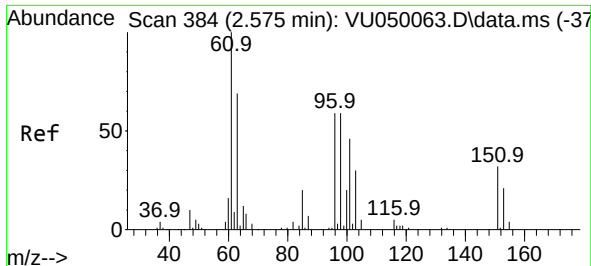
Tgt Ion: 64 Resp: 27101  
Ion Ratio Lower Upper  
64 100  
66 30.8 22.8 42.4



#9  
Trichlorofluoromethane  
Concen: 6.262 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. 0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion:101 Resp: 55299  
Ion Ratio Lower Upper  
101 100  
103 62.8 52.6 78.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 12.581 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

GBJG8MS

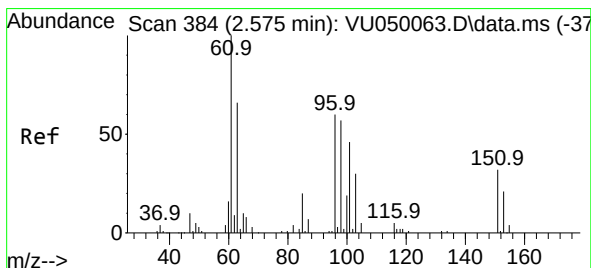
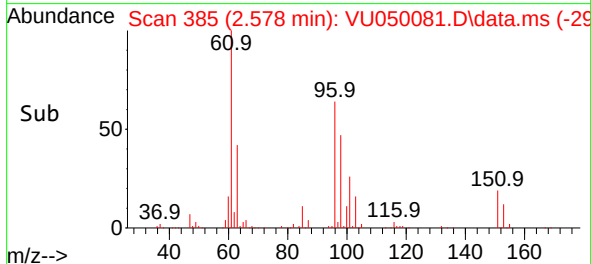
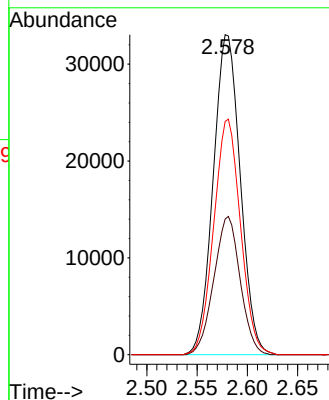
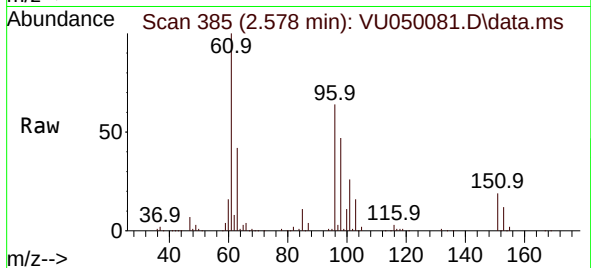
Tgt Ion:101 Resp: 61807

Ion Ratio Lower Upper

101 100

85 42.1 35.6 53.4

151 72.9 55.2 82.8



#12

1,1-Dichloroethene

Concen: 25.518 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

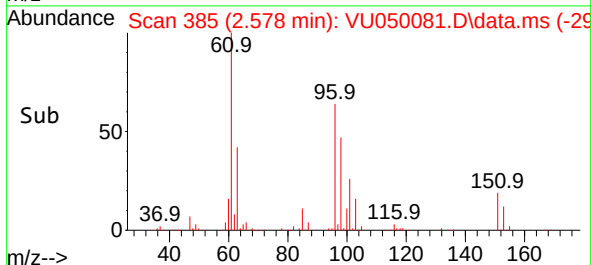
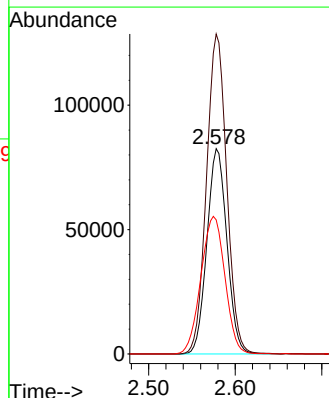
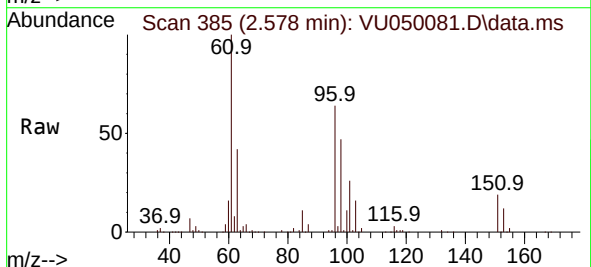
Tgt Ion: 96 Resp: 132402

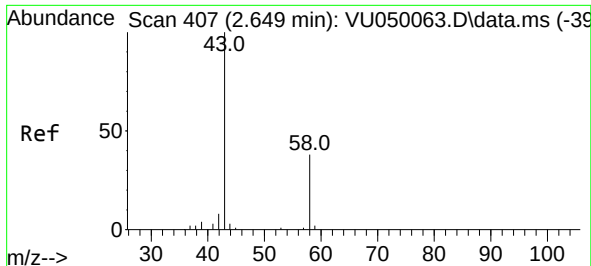
Ion Ratio Lower Upper

96 100

61 155.8 122.7 227.9

63 65.3 85.1 158.1#





#13

Acetone

Concen: 79.079 ug/L

RT: 2.642 min Scan# 407

Delta R.T. -0.007 min

Lab File: VU050081.D

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Instrument :

MSVOA\_U

ClientSampleId :

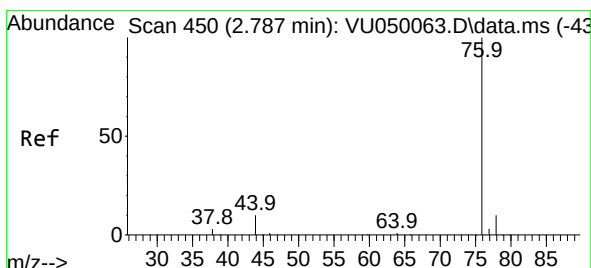
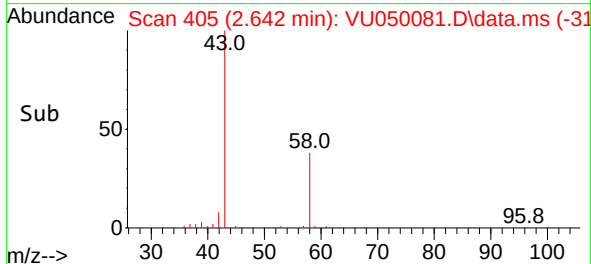
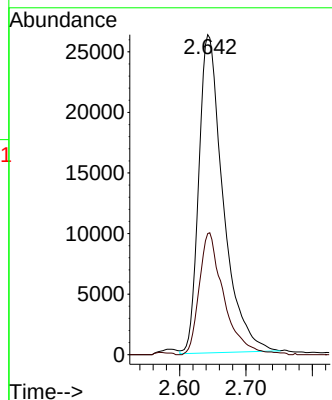
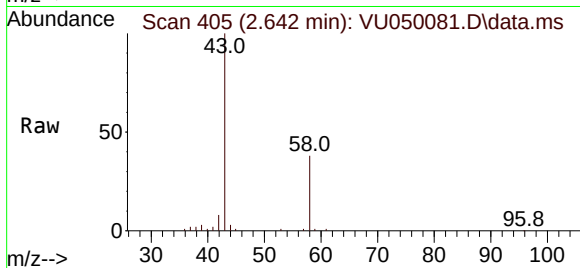
GBJG8MS

Tgt Ion: 43 Resp: 67088

Ion Ratio Lower Upper

43 100

58 38.7 0.0 64.0



#14

Carbon disulfide

Concen: 5.722 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050081.D

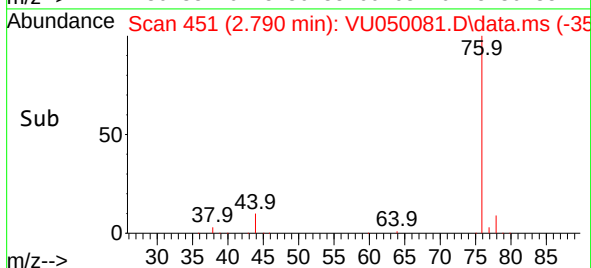
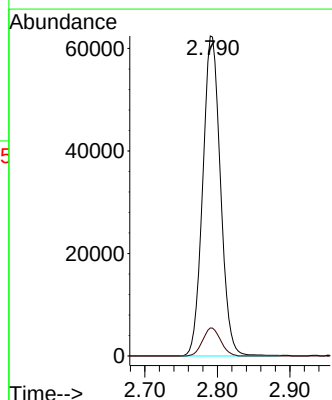
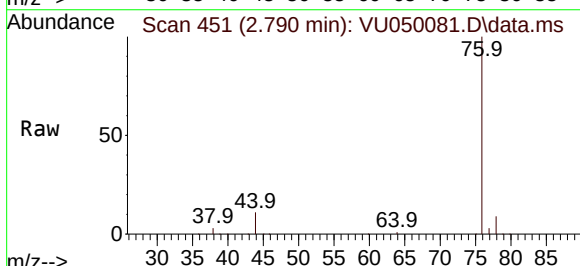
Acq: 04 Aug 2022 23:25

Tgt Ion: 76 Resp: 106042

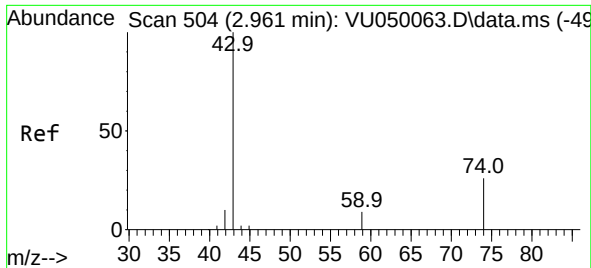
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



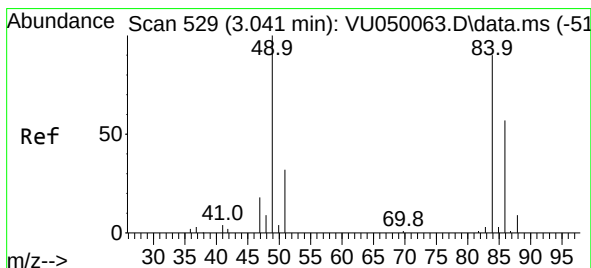
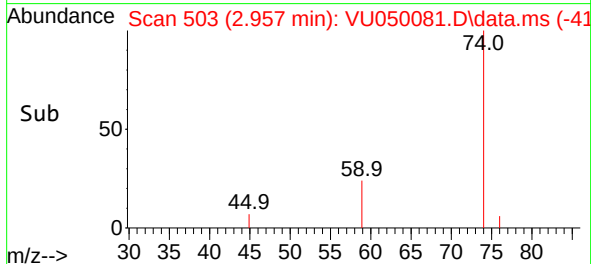
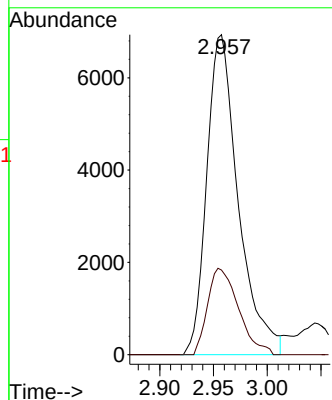
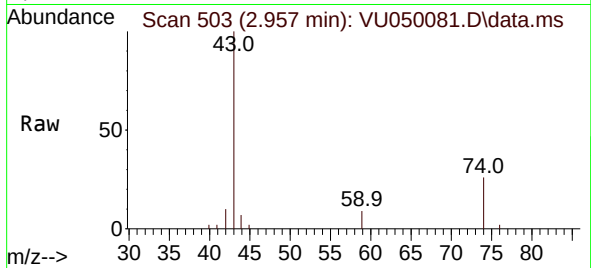




#15  
Methyl Acetate  
Concen: 6.107 ug/L  
RT: 2.957 min Scan# 50  
Delta R.T. -0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

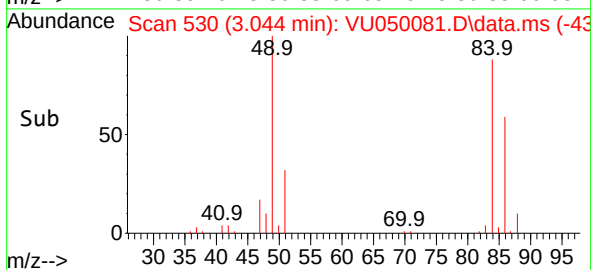
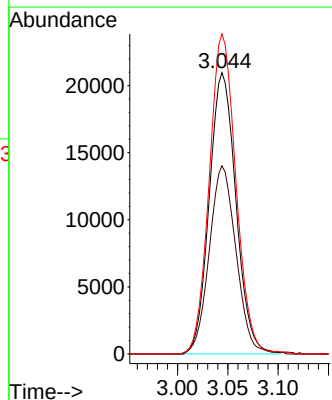
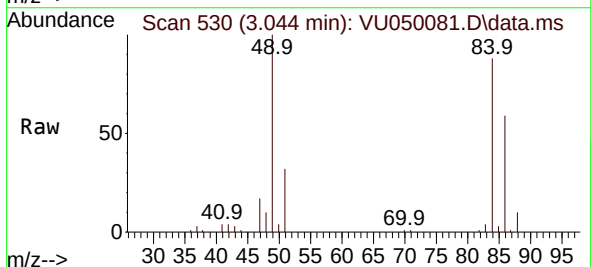
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

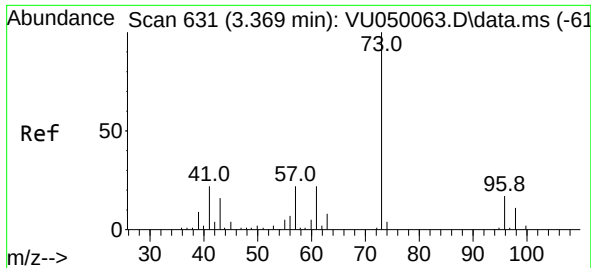
Tgt Ion: 43 Resp: 14146  
Ion Ratio Lower Upper  
43 100  
74 26.5 22.7 34.1



#16  
Methylene chloride  
Concen: 4.885 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. 0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 84 Resp: 38727  
Ion Ratio Lower Upper  
84 100  
86 66.9 45.9 85.3  
49 113.8 77.6 144.0

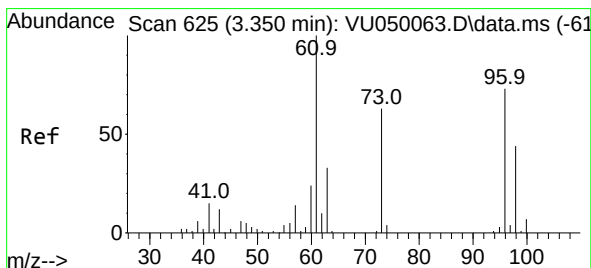
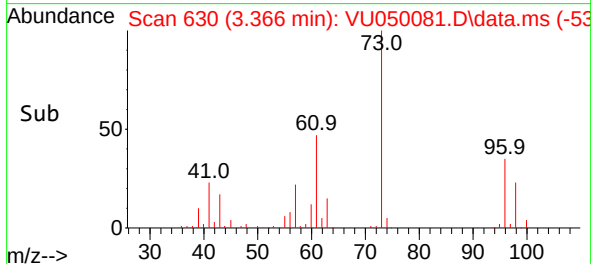
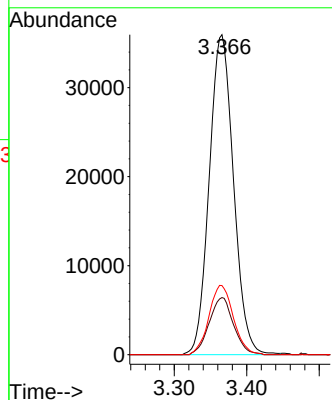
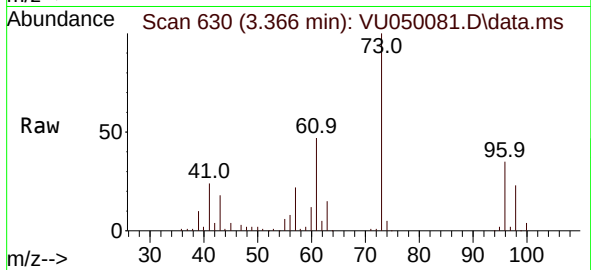




#17  
Methyl tert-butyl Ether  
Concen: 6.174 ug/L  
RT: 3.366 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

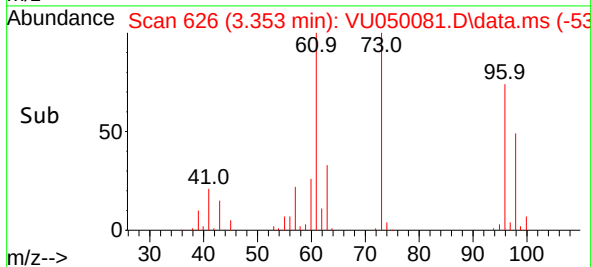
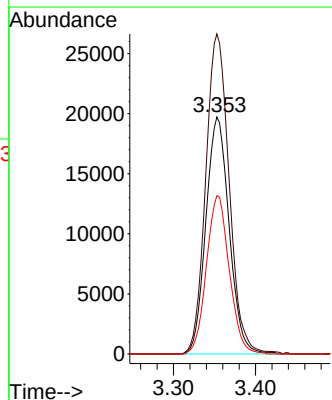
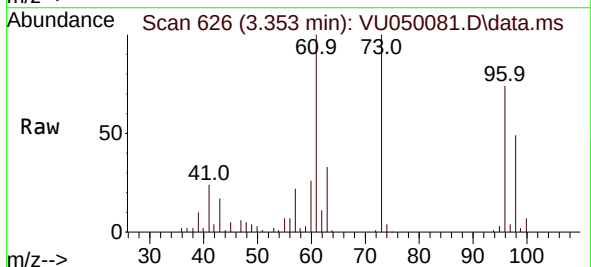
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

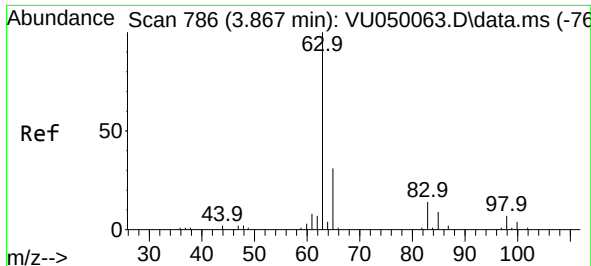
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 83600 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 17.9     | 13.5 20.3   |
| 57 21.8     | 17.4 26.2   |



#18  
trans-1,2-Dichloroethene  
Concen: 6.703 ug/L  
RT: 3.353 min Scan# 626  
Delta R.T. 0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 38939 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 135.0    | 92.3 171.5  |
| 98 66.8     | 43.2 80.2   |





#19

1,1-Dichloroethane

Concen: 14.959 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

GBJG8MS

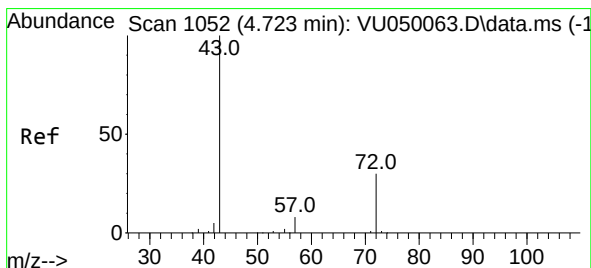
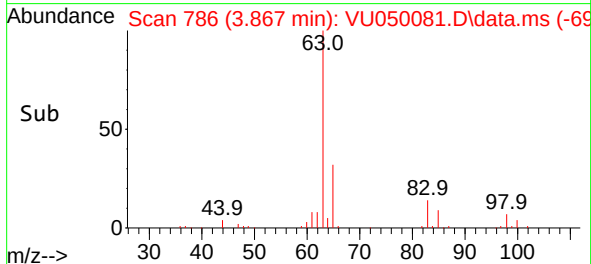
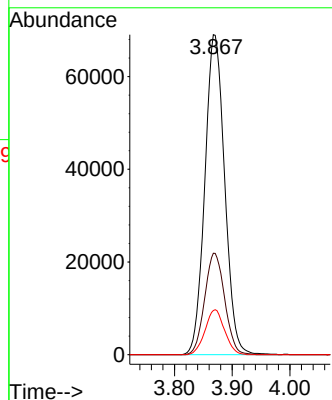
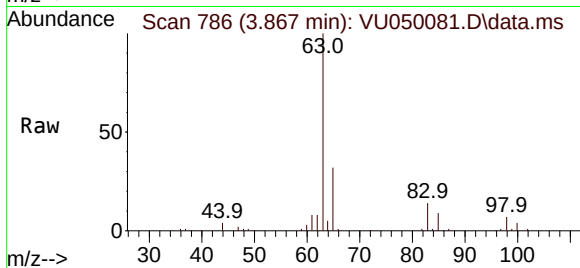
Tgt Ion: 63 Resp: 164570

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.3

83 13.8 9.8 18.2



#21

2-Butanone

Concen: 72.968 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.010 min

Lab File: VU050081.D

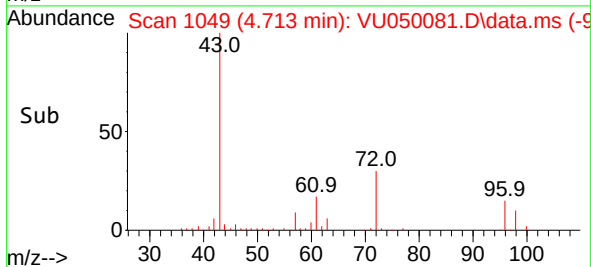
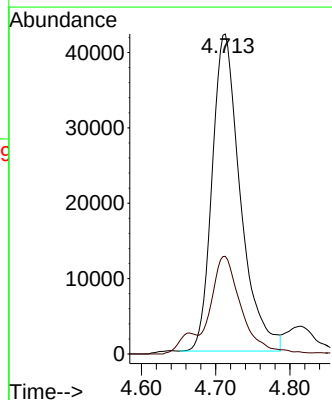
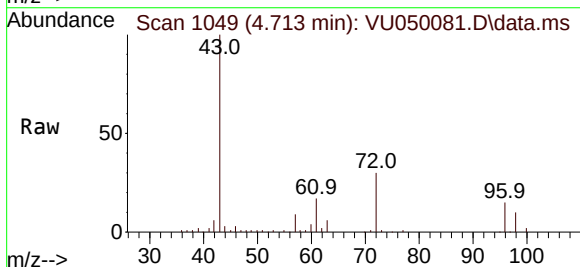
Acq: 04 Aug 2022 23:25

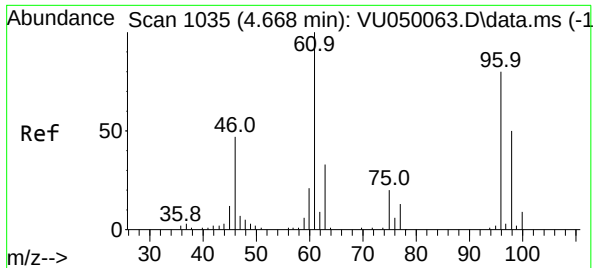
Tgt Ion: 43 Resp: 111316

Ion Ratio Lower Upper

43 100

72 31.7 14.0 42.0

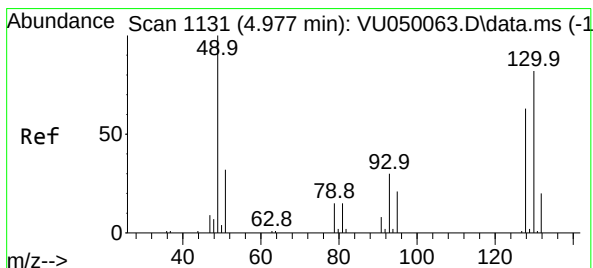
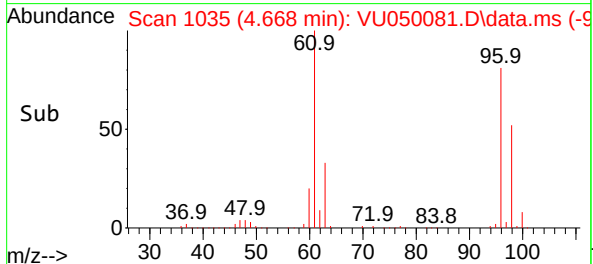
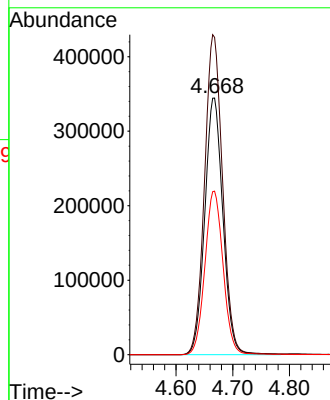
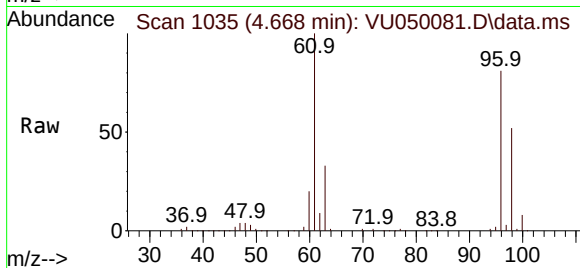




#22  
 cis-1,2-Dichloroethene  
 Concen: 118.996 ug/L  
 RT: 4.668 min Scan# 1103  
 Delta R.T. -0.000 min  
 Lab File: VU050081.D  
 Acq: 04 Aug 2022 23:25

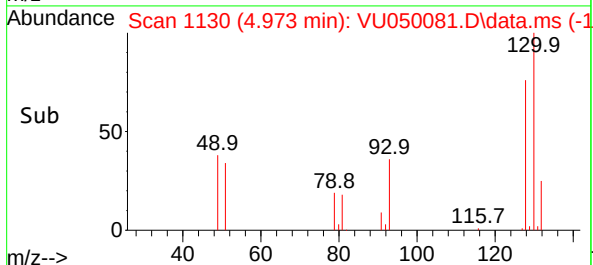
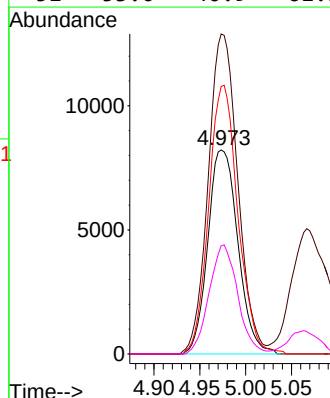
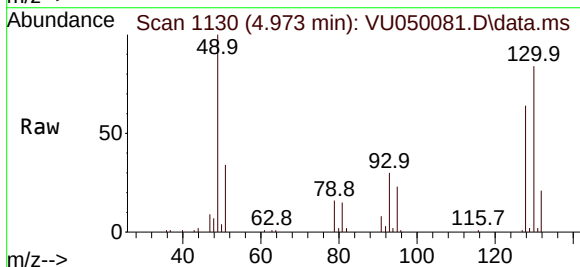
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJG8MS

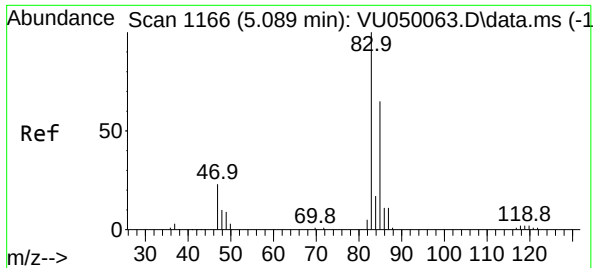
Tgt Ion: 96 Resp: 767300  
 Ion Ratio Lower Upper  
 96 100  
 61 123.6 89.0 165.4  
 98 63.7 45.2 84.0



#23  
 Bromochloromethane  
 Concen: 6.087 ug/L  
 RT: 4.973 min Scan# 1130  
 Delta R.T. -0.003 min  
 Lab File: VU050081.D  
 Acq: 04 Aug 2022 23:25

Tgt Ion: 128 Resp: 18760  
 Ion Ratio Lower Upper  
 128 100  
 49 156.8 111.4 206.8  
 130 131.1 90.2 167.4  
 51 53.0 40.9 61.3

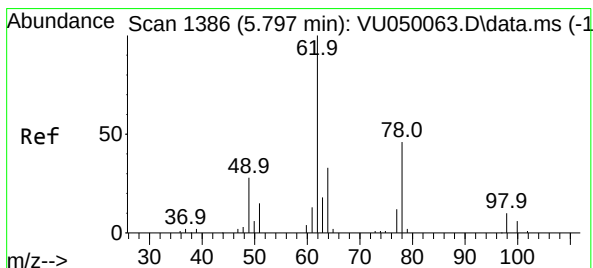
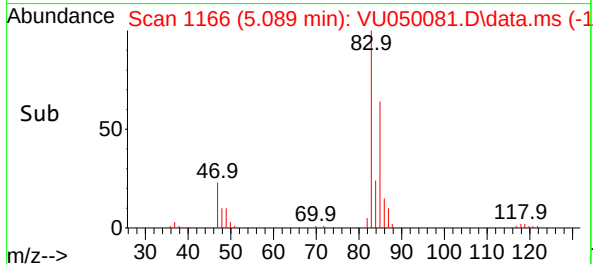
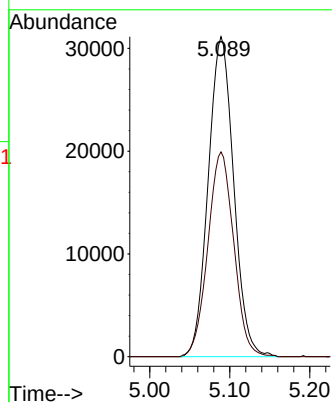
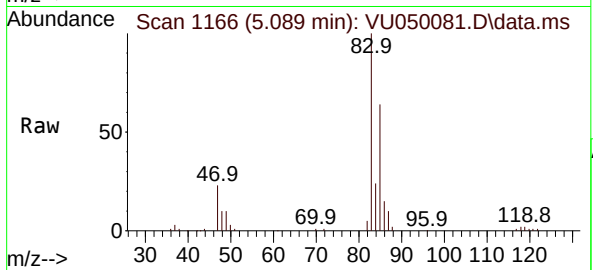




#25  
Chloroform  
Concen: 5.872 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

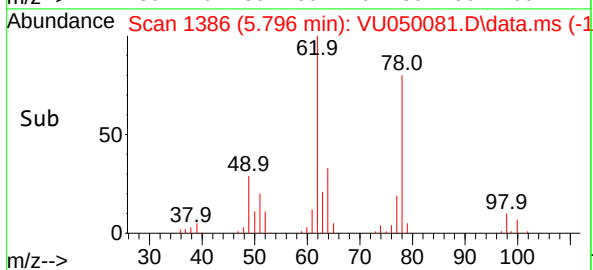
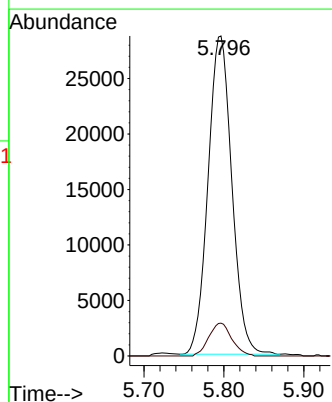
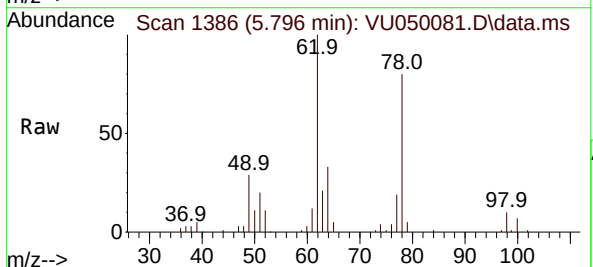
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

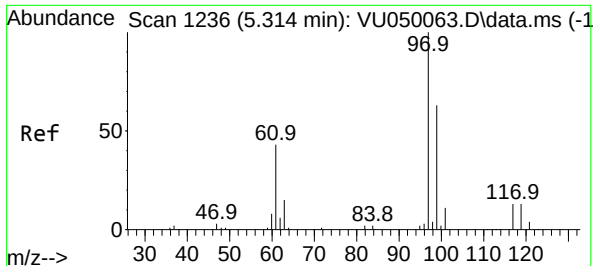
Tgt Ion: 83 Resp: 68868  
Ion Ratio Lower Upper  
83 100  
85 64.0 46.1 85.5



#27  
1,2-Dichloroethane  
Concen: 8.310 ug/L  
RT: 5.796 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 62 Resp: 59319  
Ion Ratio Lower Upper  
62 100  
98 10.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 6.103 ug/L

RT: 5.317 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

GBJG8MS

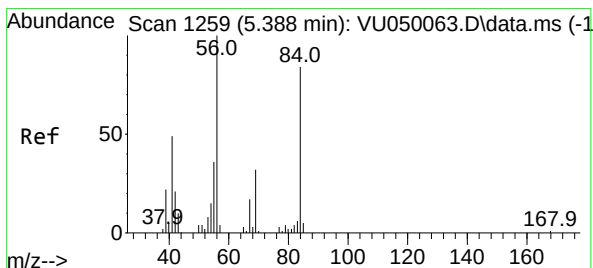
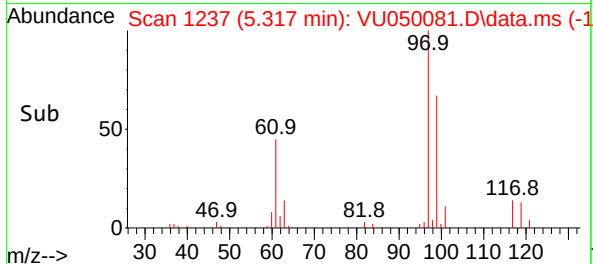
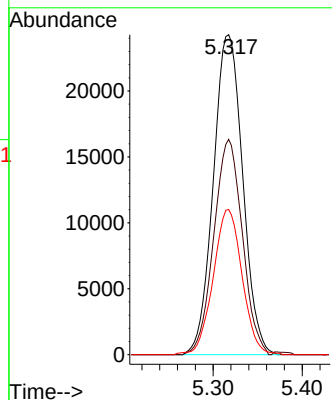
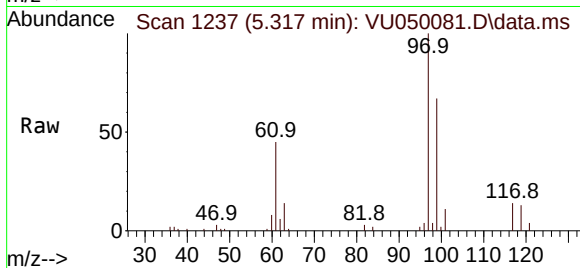
Tgt Ion: 97 Resp: 55625

Ion Ratio Lower Upper

97 100

99 65.4 51.5 77.3

61 44.7 34.2 51.4



#30

Cyclohexane

Concen: 6.349 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

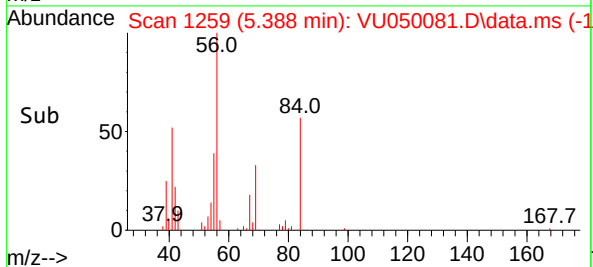
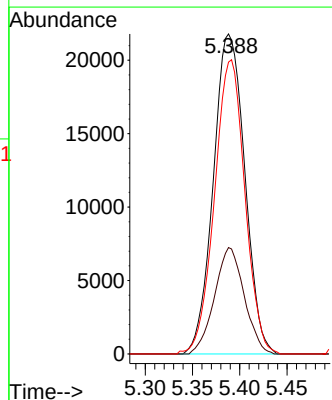
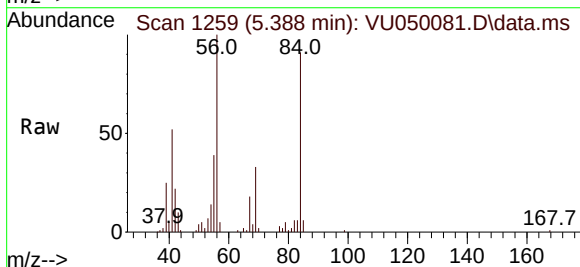
Tgt Ion: 56 Resp: 50412

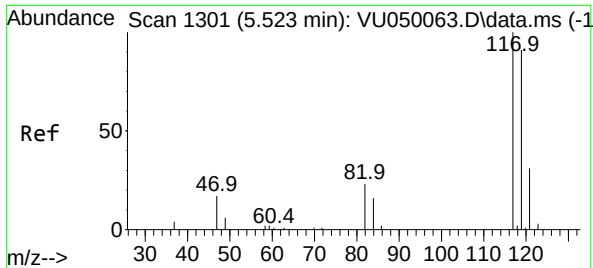
Ion Ratio Lower Upper

56 100

69 31.4 24.6 37.0

84 88.9 69.1 103.7

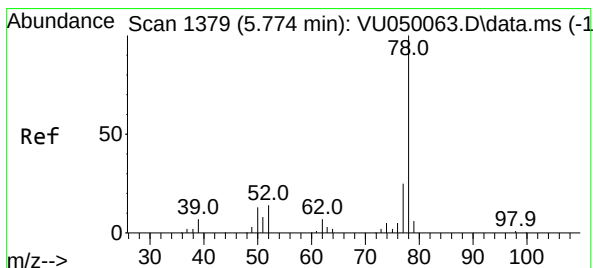
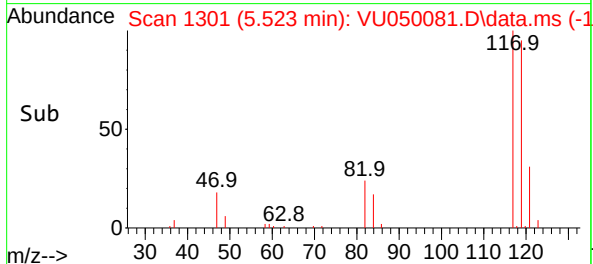
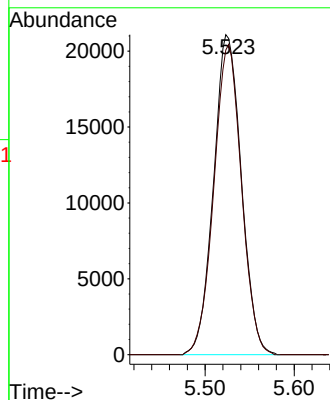
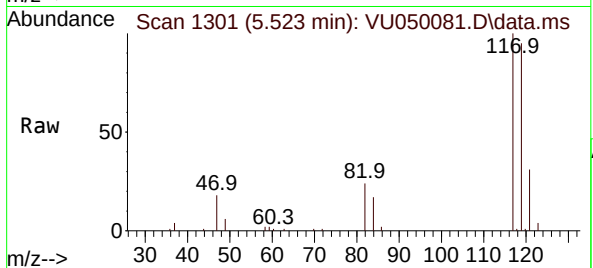




#31  
Carbon tetrachloride  
Concen: 6.116 ug/L  
RT: 5.523 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

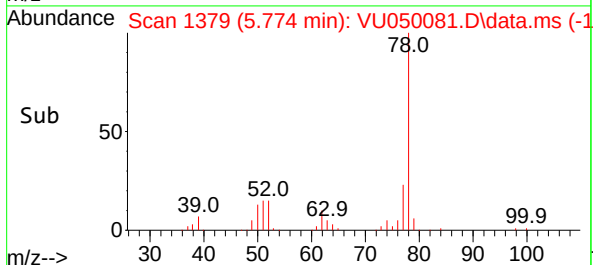
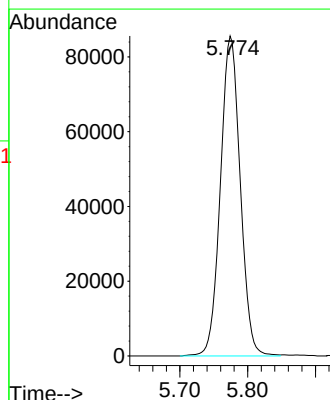
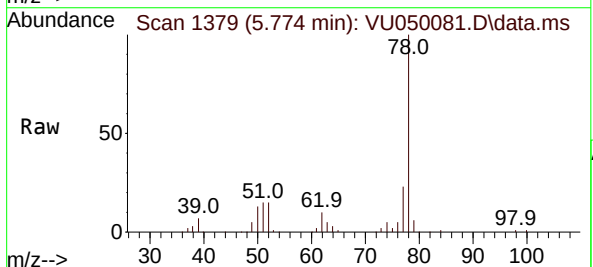
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

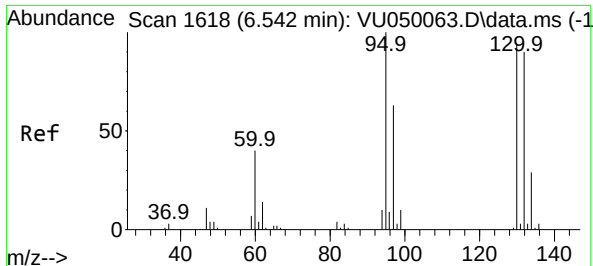
Tgt Ion:117 Resp: 45692  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.0 114.0



#33  
Benzene  
Concen: 6.678 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 78 Resp: 173821



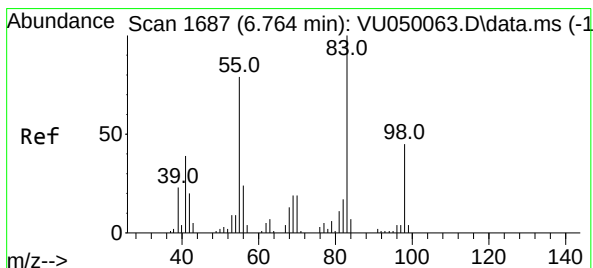
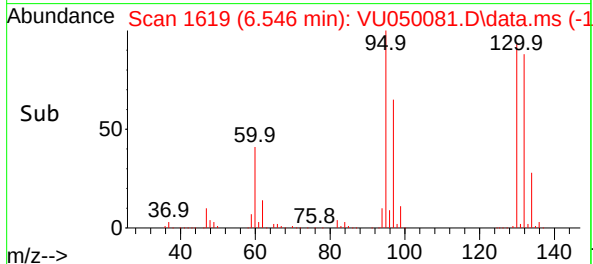
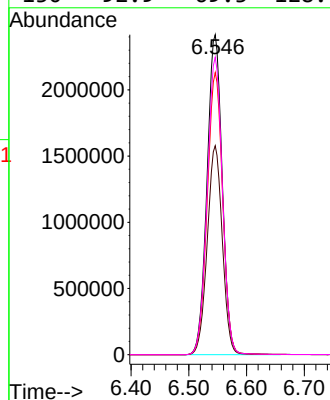
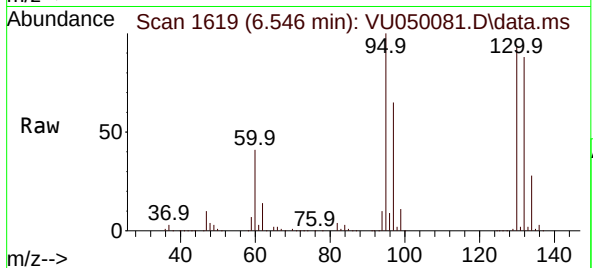


#34  
Trichloroethene  
Concen: 702.813 ug/L  
RT: 6.546 min Scan# 1618  
Delta R.T. 0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

Tgt Ion: 95 Resp: 4424441

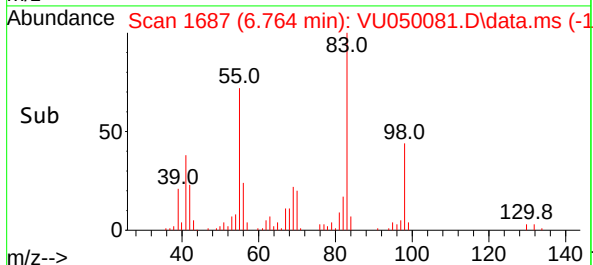
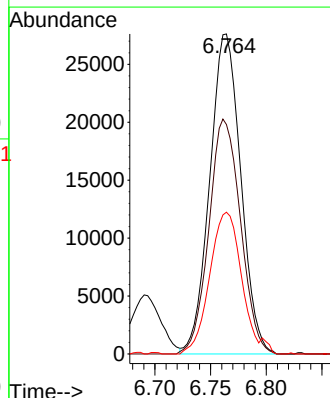
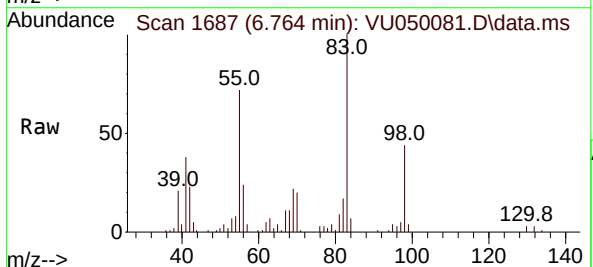
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.3  | 45.6  | 84.8  |
| 132 | 88.1  | 65.0  | 120.6 |
| 130 | 92.9  | 69.3  | 128.7 |



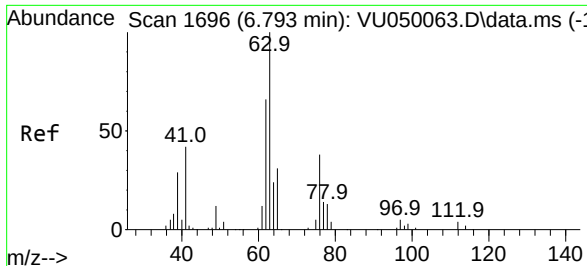
#35  
Methylcyclohexane  
Concen: 6.596 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 83 Resp: 53604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 74.8  | 62.7  | 94.1  |
| 98  | 45.9  | 36.2  | 54.2  |







#37

1,2-Dichloropropane

Concen: 5.797 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

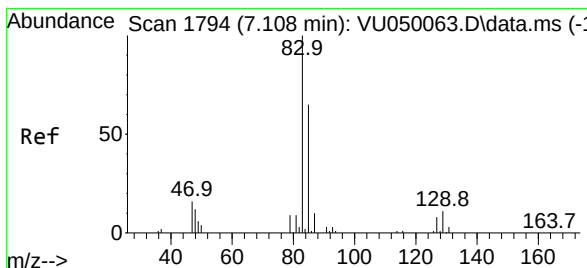
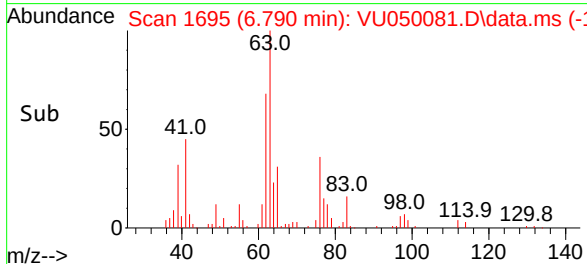
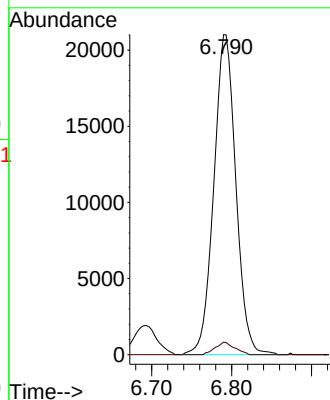
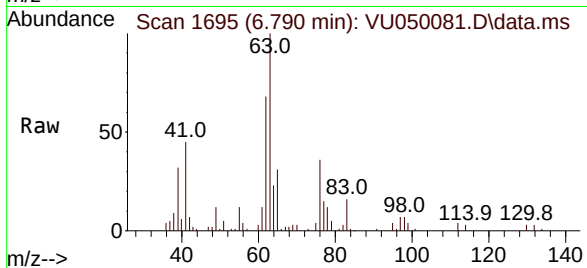
GBJG8MS

Tgt Ion: 63 Resp: 40193

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.4



#38

Bromodichloromethane

Concen: 5.678 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

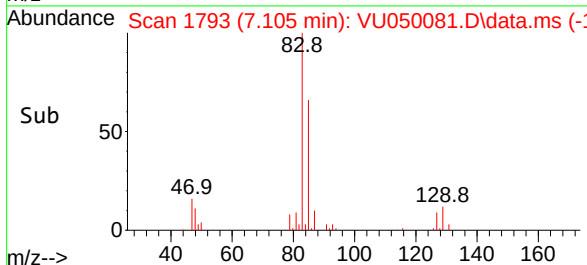
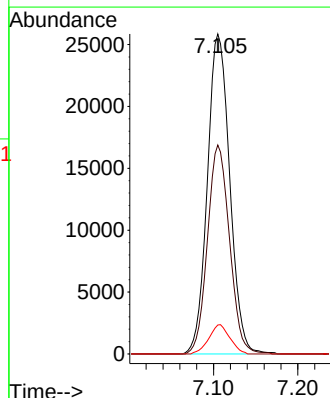
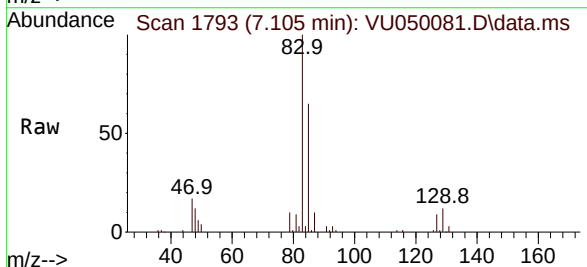
Tgt Ion: 83 Resp: 47816

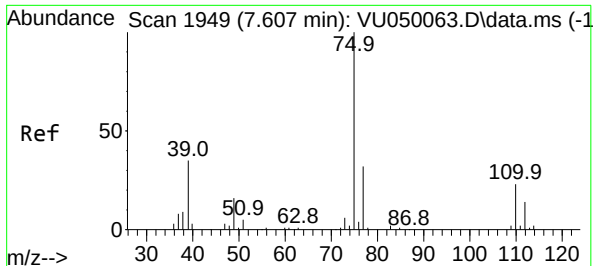
Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

127 9.1 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.519 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

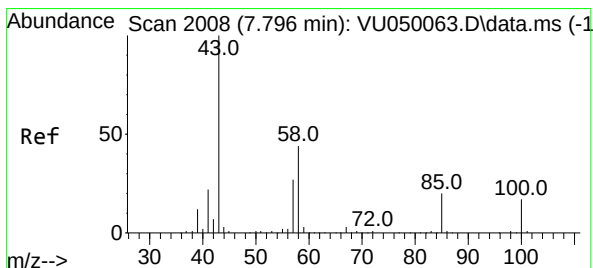
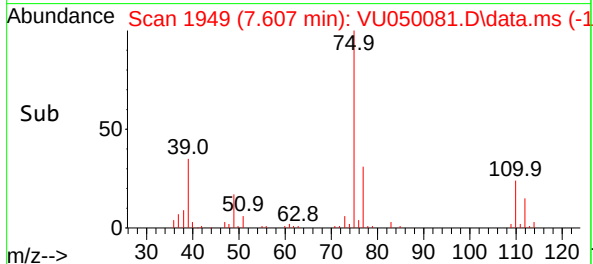
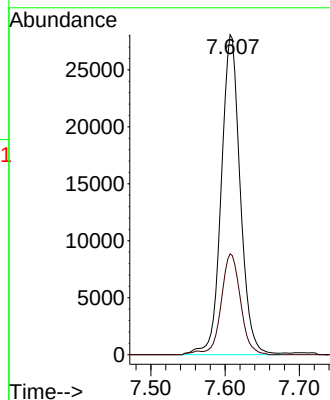
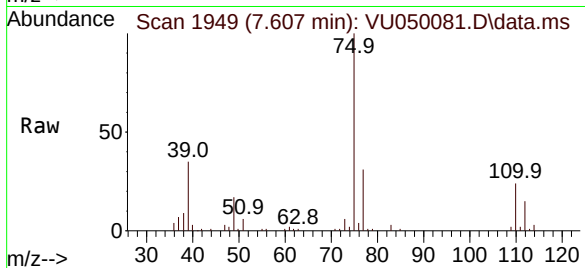
GBJG8MS

Tgt Ion: 75 Resp: 49940

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 61.575 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

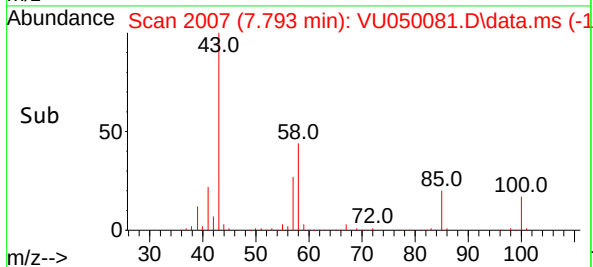
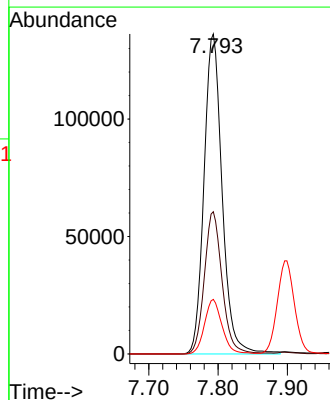
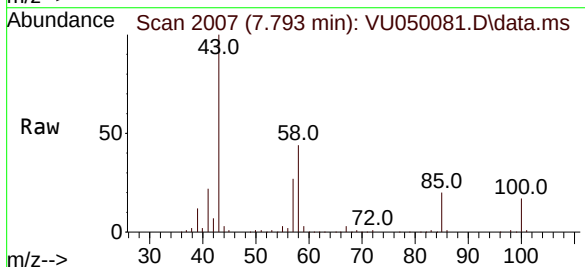
Tgt Ion: 43 Resp: 247276

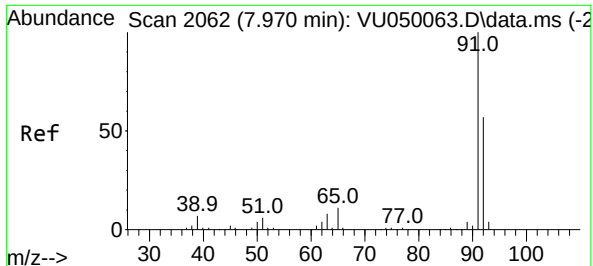
Ion Ratio Lower Upper

43 100

58 43.7 34.6 51.8

100 16.5 13.0 19.4





#42

Toluene

Concen: 5.912 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

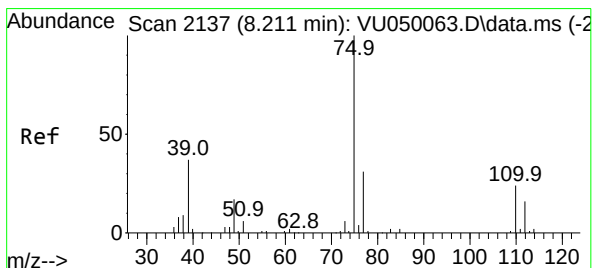
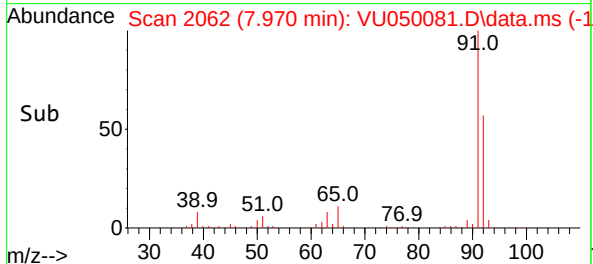
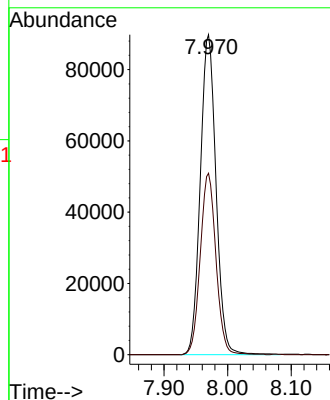
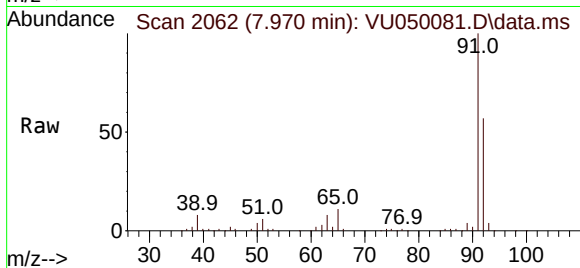
GBJG8MS

Tgt Ion: 91 Resp: 154333

Ion Ratio Lower Upper

91 100

92 56.7 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 5.581 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU050081.D

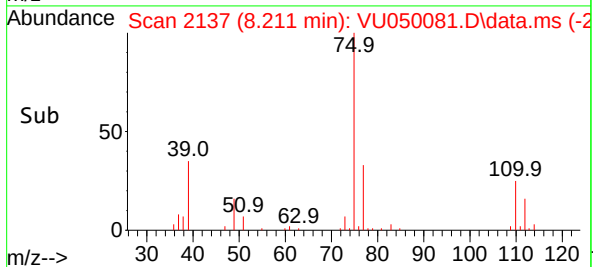
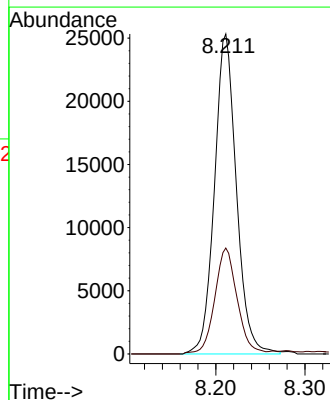
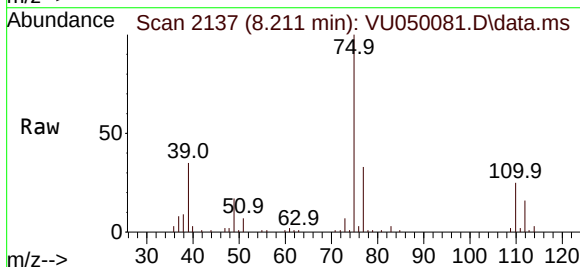
Acq: 04 Aug 2022 23:25

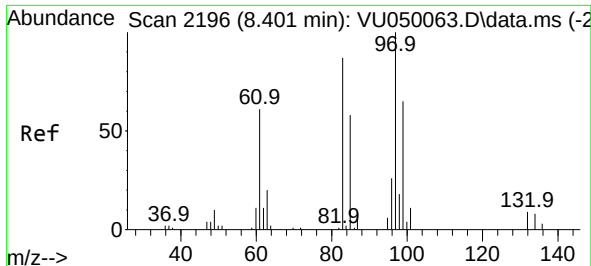
Tgt Ion: 75 Resp: 43307

Ion Ratio Lower Upper

75 100

77 33.1 22.0 40.8

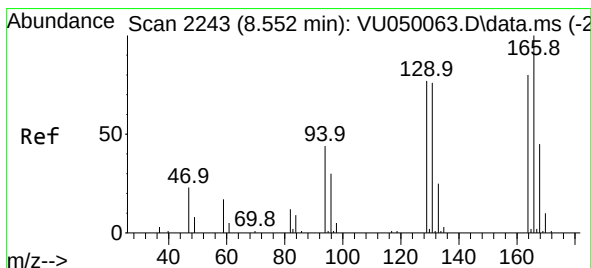
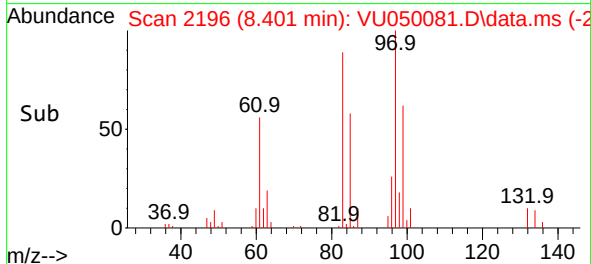
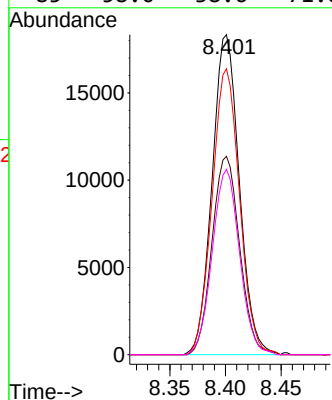
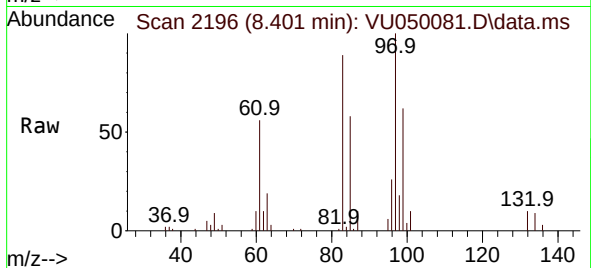




#45  
1,1,2-Trichloroethane  
Concen: 6.007 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

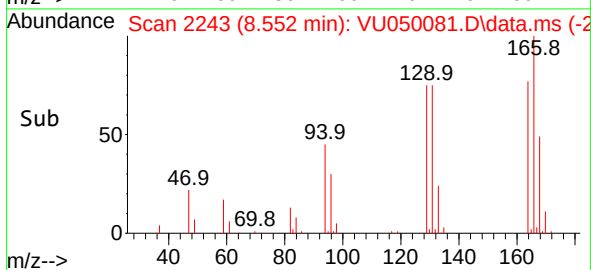
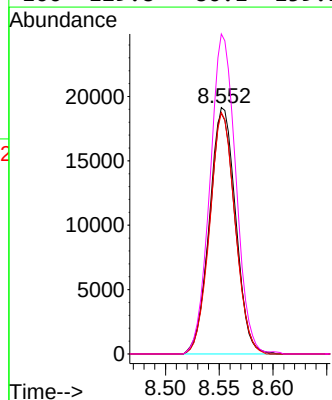
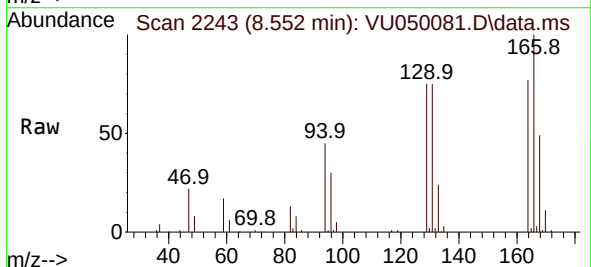
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

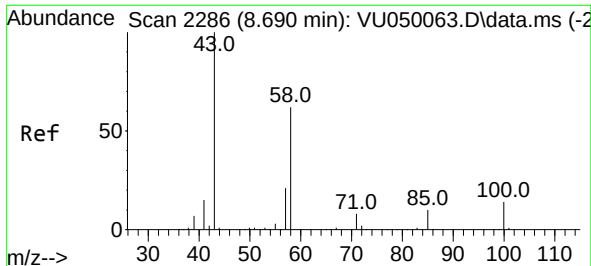
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 31135 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.0  | 42.2  | 78.4  |
| 83       | 89.4  | 59.6  | 110.6 |
| 85       | 58.0  | 38.6  | 71.8  |



#47  
Tetrachloroethene  
Concen: 7.078 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 31924 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.7  | 69.0  | 128.1 |
| 131      | 98.0  | 65.8  | 122.2 |
| 166      | 129.8 | 86.1  | 159.9 |



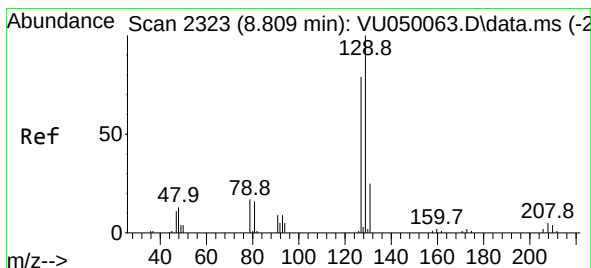
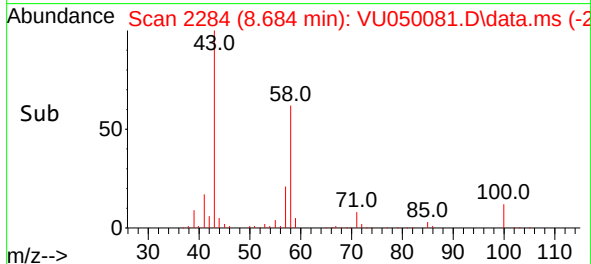
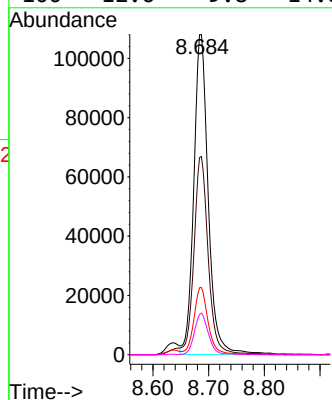
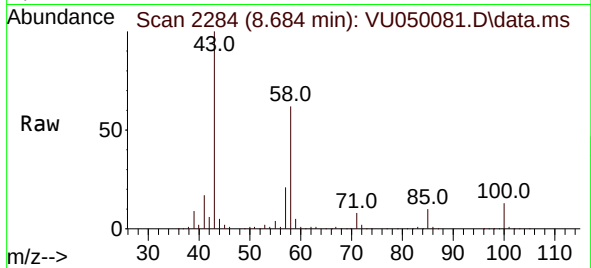


#48  
2-Hexanone  
Concen: 62.697 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

Tgt Ion: 43 Resp: 194737

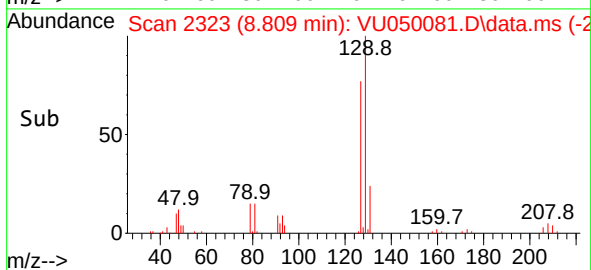
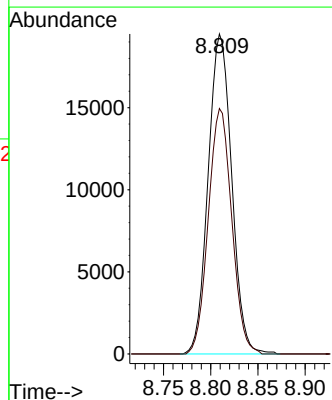
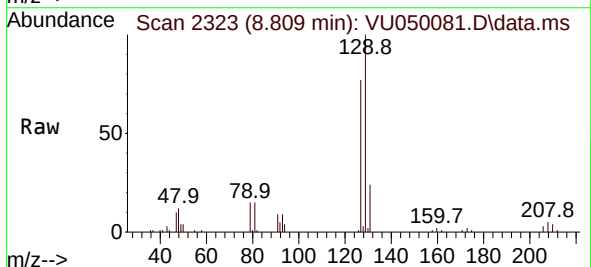
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 62.7  | 50.6  | 76.0  |
| 57  | 20.5  | 16.0  | 24.0  |
| 100 | 12.6  | 9.8   | 14.8  |

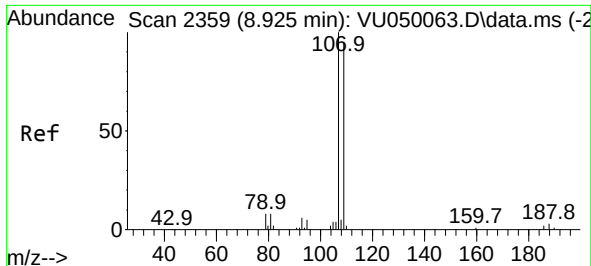


#49  
Dibromochloromethane  
Concen: 5.881 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 129 Resp: 33737

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.7  | 55.3  | 102.7 |

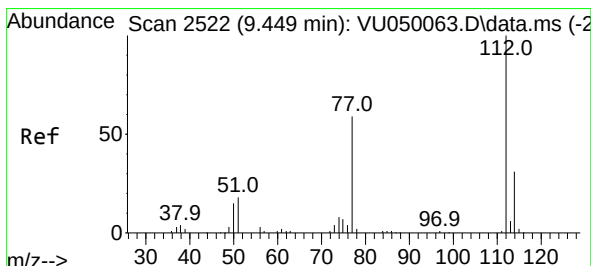
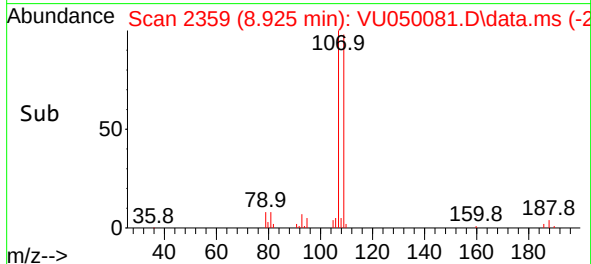
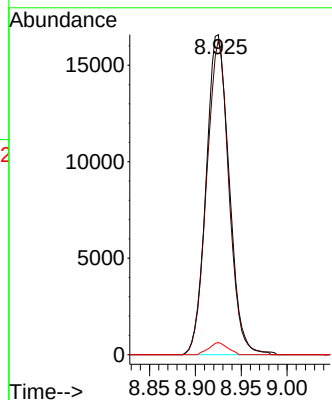
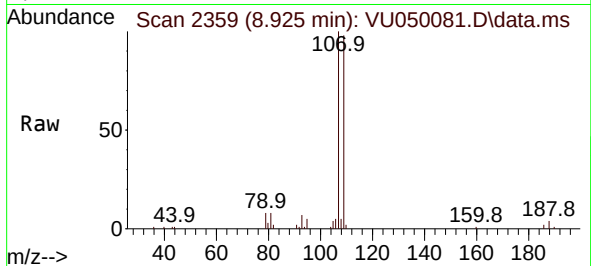




#50  
1,2-Dibromoethane  
Concen: 6.166 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

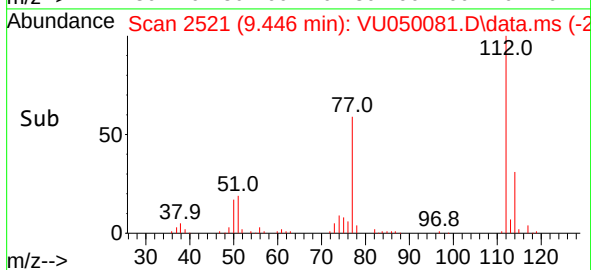
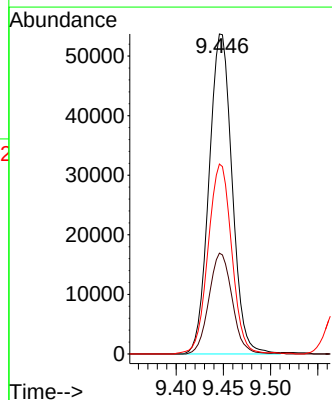
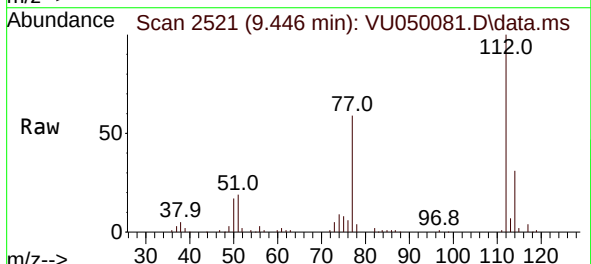
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

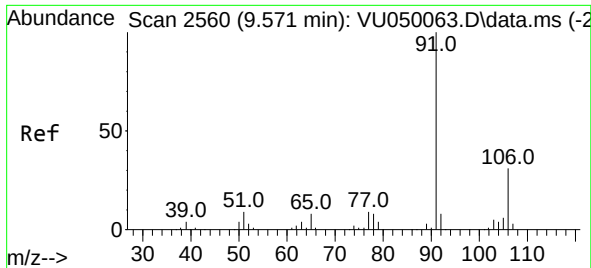
Tgt Ion:107 Resp: 28975  
Ion Ratio Lower Upper  
107 100  
109 98.1 66.6 123.6  
188 3.8 2.7 4.1



#51  
Chlorobenzene  
Concen: 5.563 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. -0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion:112 Resp: 91368  
Ion Ratio Lower Upper  
112 100  
114 31.5 22.1 41.1  
77 59.3 46.3 69.5

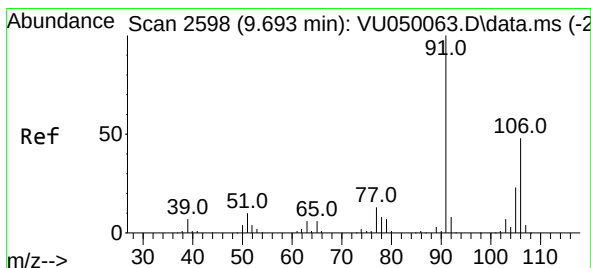
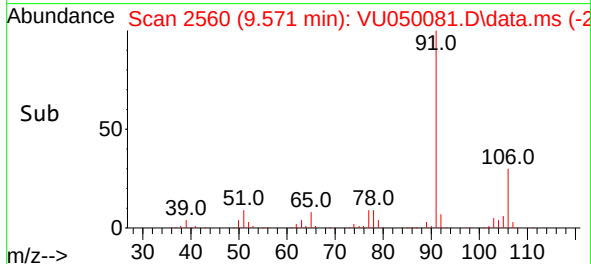
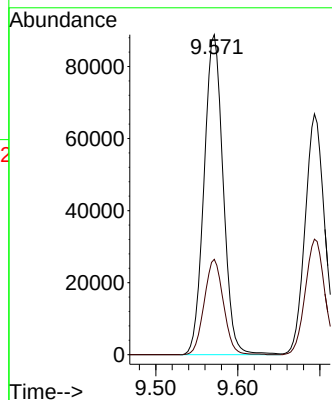
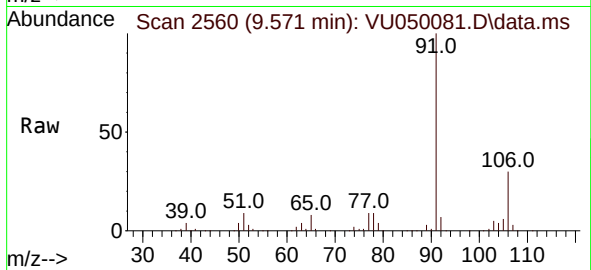




#52  
Ethylbenzene  
Concen: 5.642 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

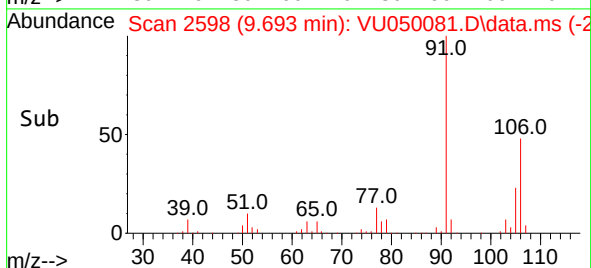
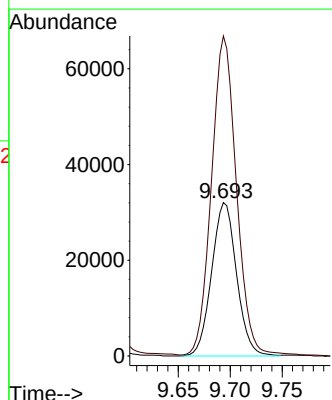
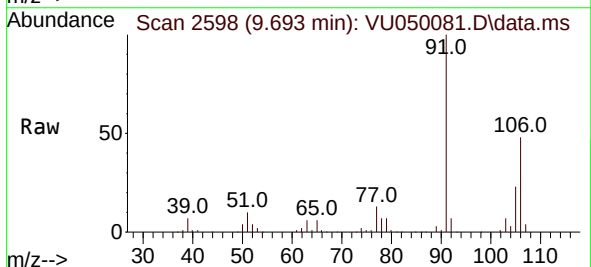
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

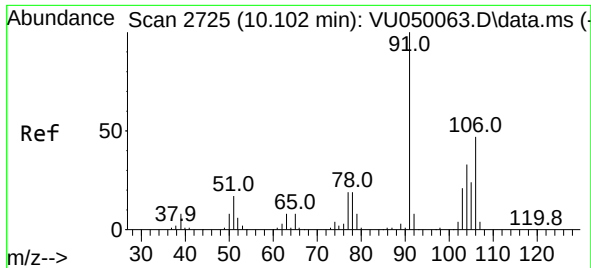
Tgt Ion: 91 Resp: 143714  
Ion Ratio Lower Upper  
91 100  
106 29.8 21.3 39.5



#53  
m,p-Xylene  
Concen: 5.701 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion: 106 Resp: 53483  
Ion Ratio Lower Upper  
106 100  
91 208.5 143.1 265.9

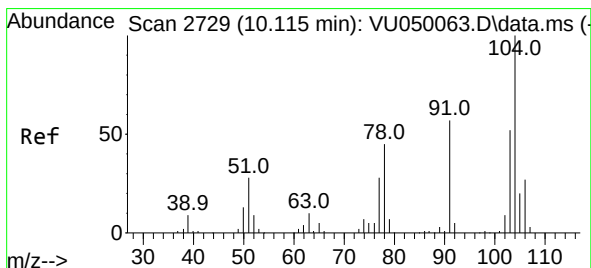
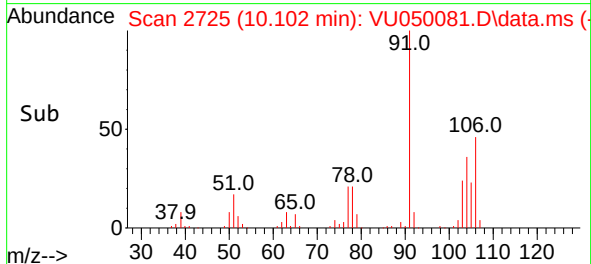
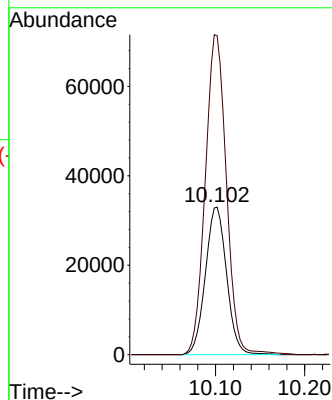
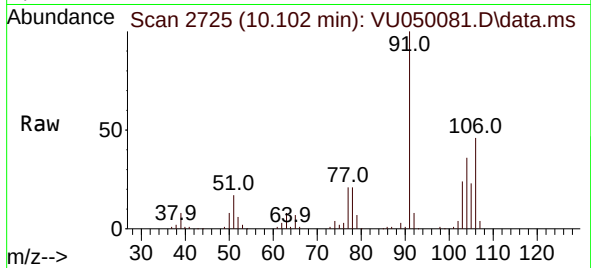




#54  
o-Xylene  
Concen: 5.834 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

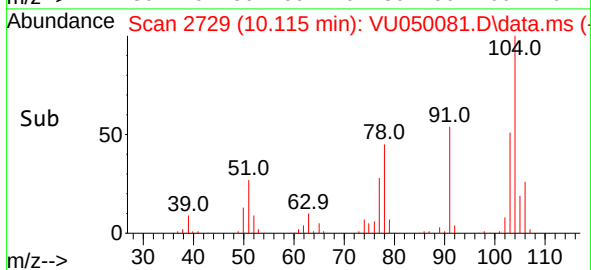
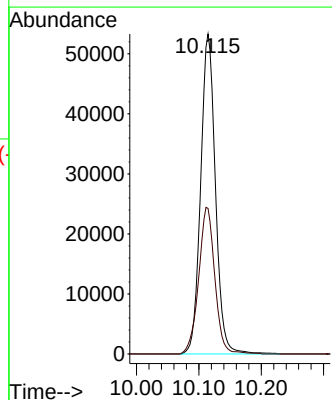
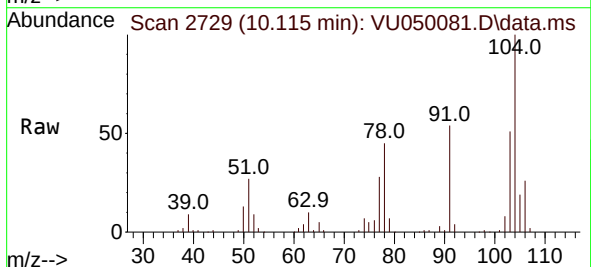
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

Tgt Ion:106 Resp: 54637  
Ion Ratio Lower Upper  
106 100  
91 216.1 149.4 277.4

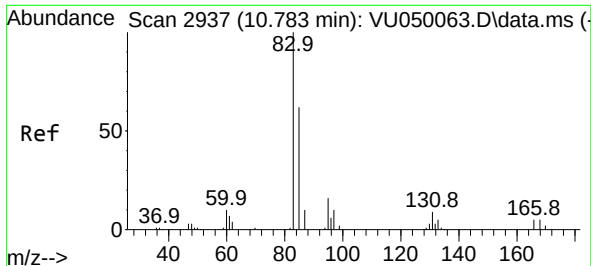


#55  
Styrene  
Concen: 5.626 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion:104 Resp: 88024  
Ion Ratio Lower Upper  
104 100  
78 45.5 31.9 59.3







#57

1,1,2,2-Tetrachloroethane

Concen: 6.116 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

GBJG8MS

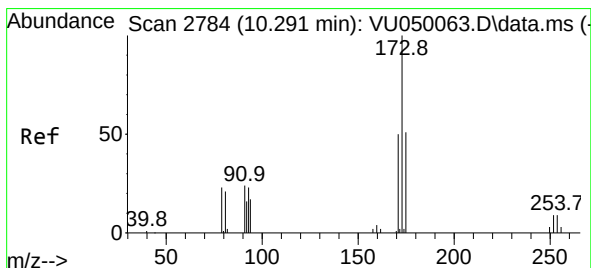
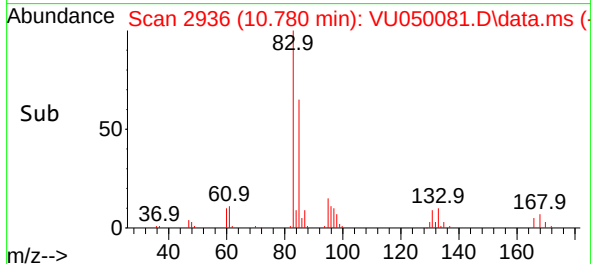
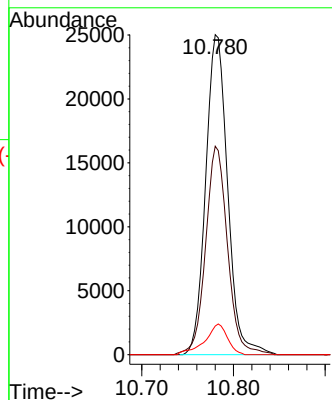
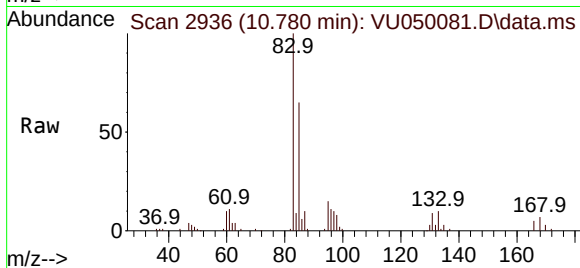
Tgt Ion: 83 Resp: 41651

Ion Ratio Lower Upper

83 100

85 65.2 45.2 84.0

131 9.0 6.6 9.8



#59

Bromoform

Concen: 5.661 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

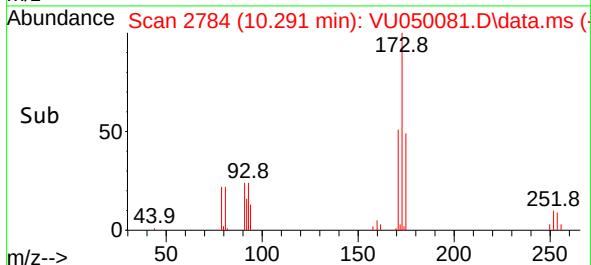
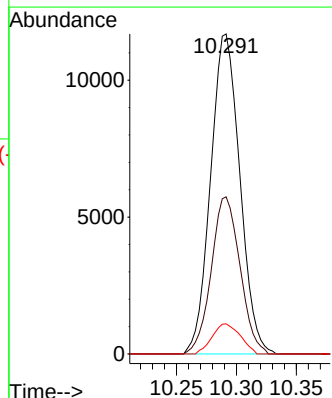
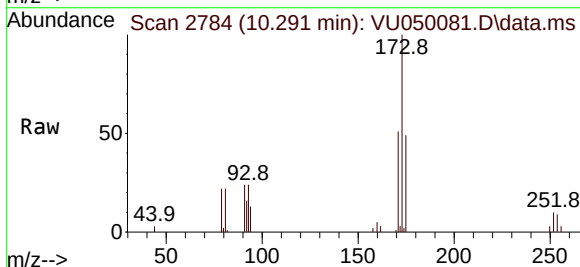
Tgt Ion: 173 Resp: 19808

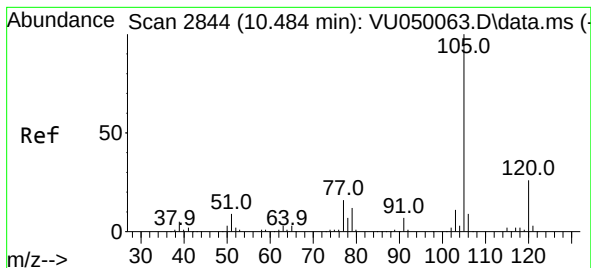
Ion Ratio Lower Upper

173 100

175 48.2 37.0 55.6

254 9.1 7.4 11.0





#60

Isopropylbenzene

Concen: 5.730 ug/L

RT: 10.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

GBJG8MS

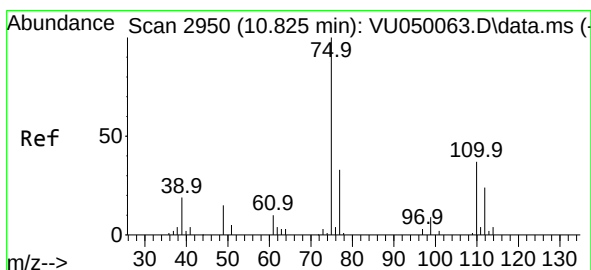
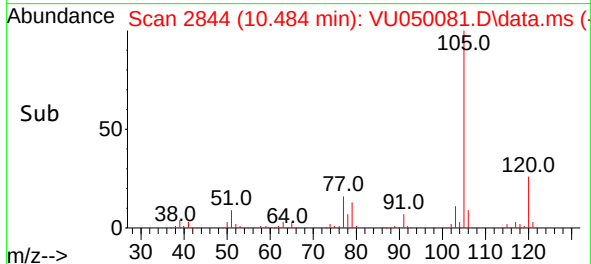
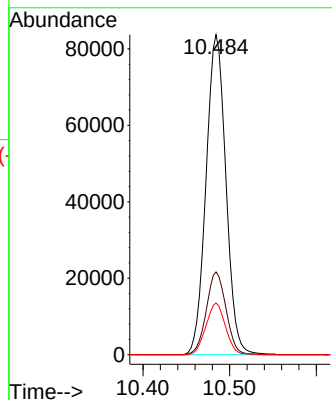
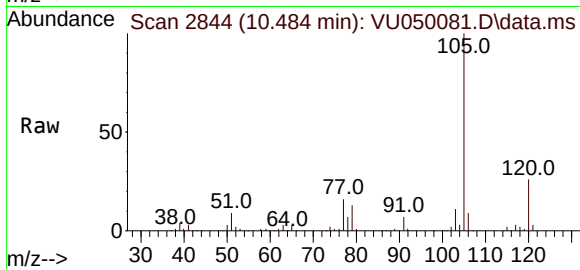
Tgt Ion:105 Resp: 133508

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.908 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

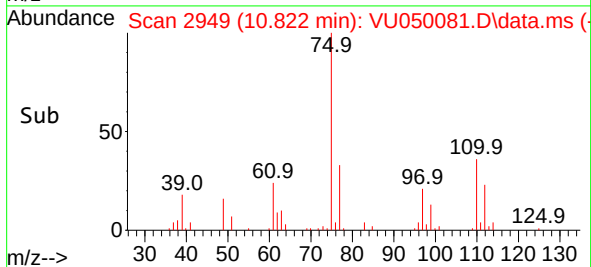
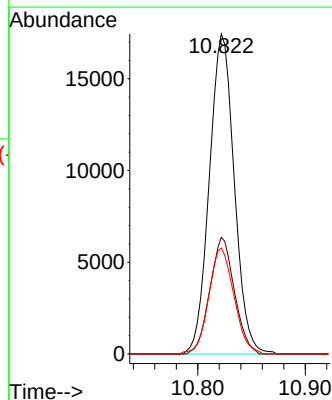
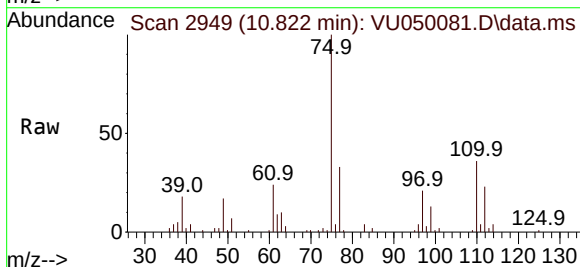
Tgt Ion: 75 Resp: 28078

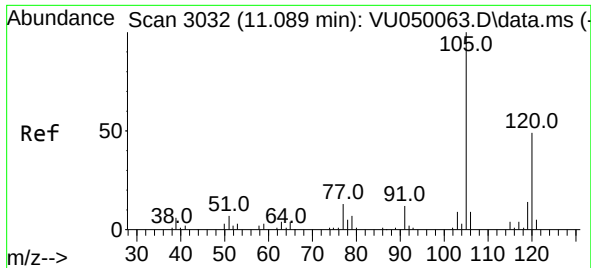
Ion Ratio Lower Upper

75 100

110 35.8 28.5 42.7

77 33.5 25.8 38.6

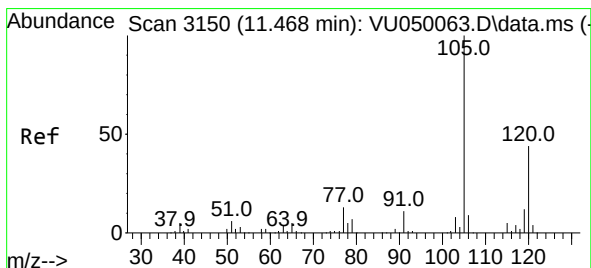
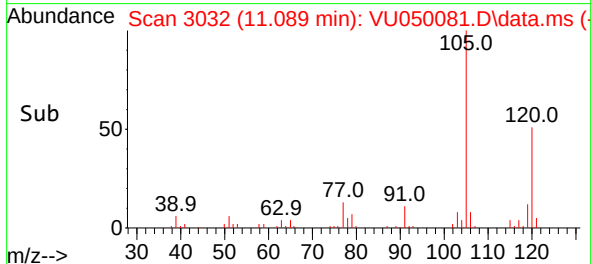
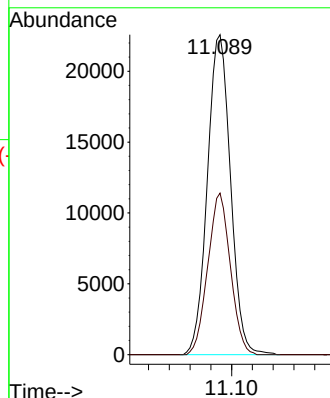
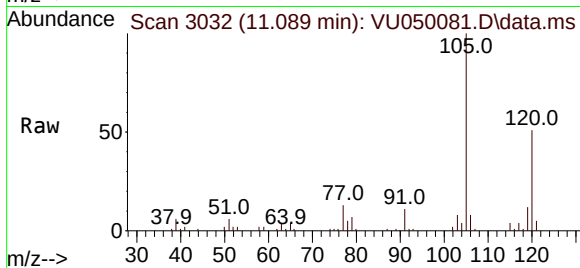




#62  
1,3,5-Trimethylbenzene  
Concen: 5.307 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

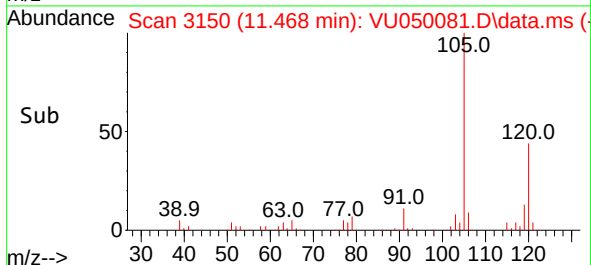
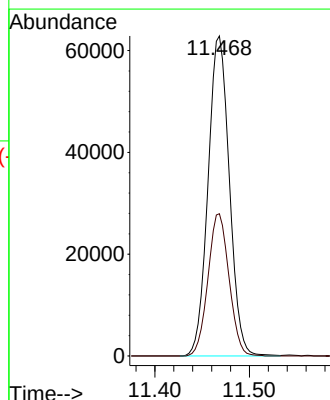
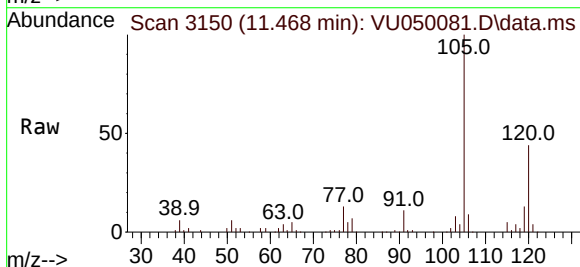
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

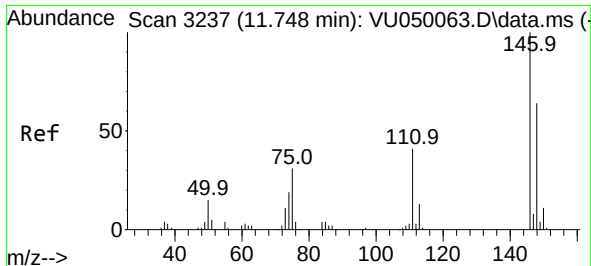
Tgt Ion:105 Resp: 34935  
Ion Ratio Lower Upper  
105 100  
120 49.2 38.9 58.3



#63  
1,2,4-Trimethylbenzene  
Concen: 5.488 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion:105 Resp: 98417  
Ion Ratio Lower Upper  
105 100  
120 44.0 35.9 53.9

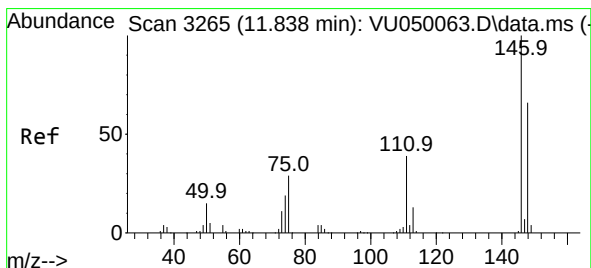
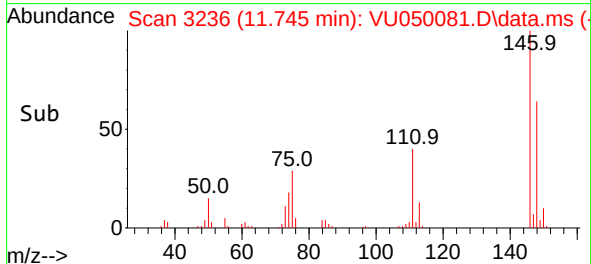
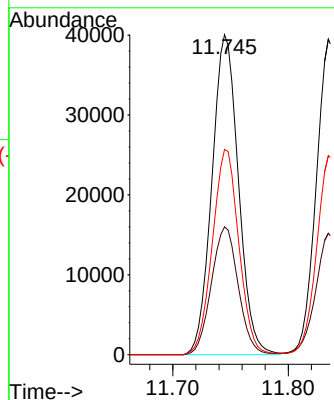
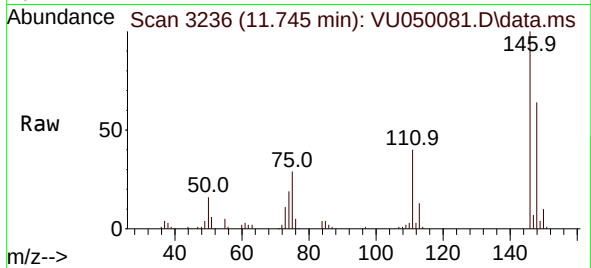




#64  
1,3-Dichlorobenzene  
Concen: 5.437 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

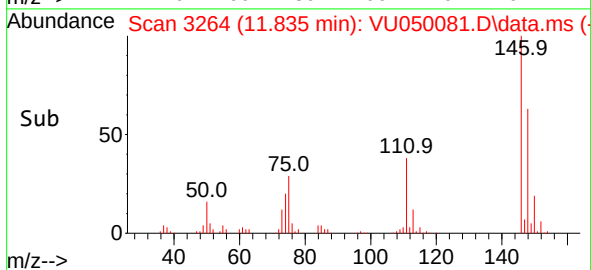
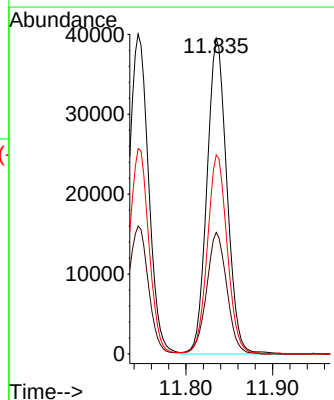
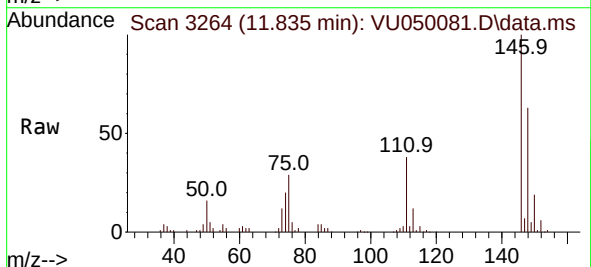
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

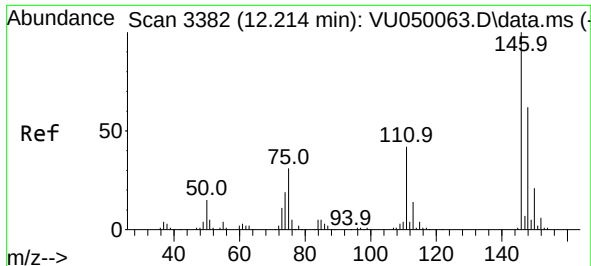
Tgt Ion:146 Resp: 63854  
Ion Ratio Lower Upper  
146 100  
111 40.0 29.9 55.5  
148 64.2 45.8 85.2



#65  
1,4-Dichlorobenzene  
Concen: 5.524 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion:146 Resp: 63125  
Ion Ratio Lower Upper  
146 100  
111 38.5 28.1 52.1  
148 63.1 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.499 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

Instrument :

MSVOA\_U

ClientSampleId :

GBJG8MS

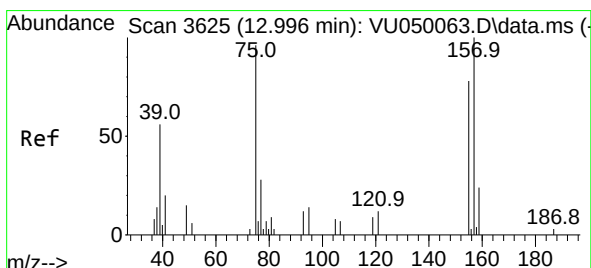
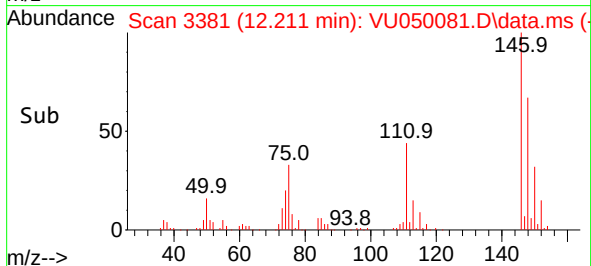
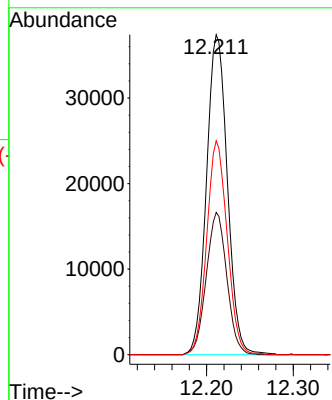
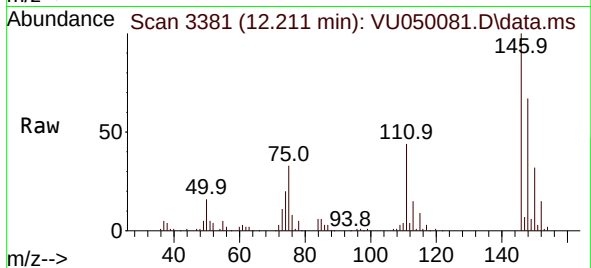
Tgt Ion:146 Resp: 62541

Ion Ratio Lower Upper

146 100

111 44.4 32.9 49.3

148 66.8 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 6.361 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050081.D

Acq: 04 Aug 2022 23:25

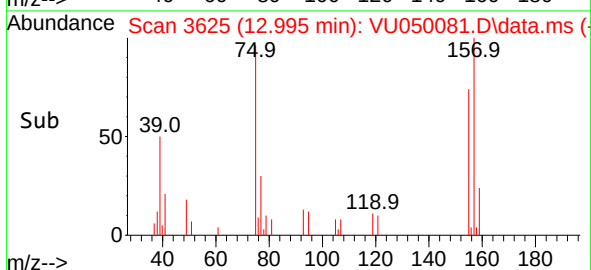
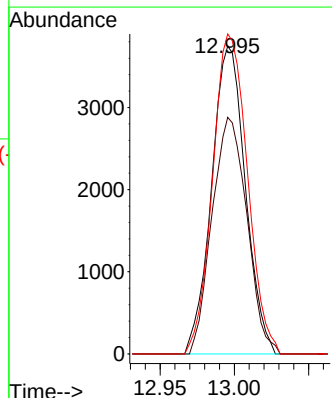
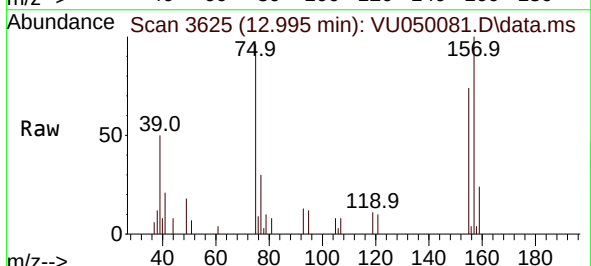
Tgt Ion: 75 Resp: 5928

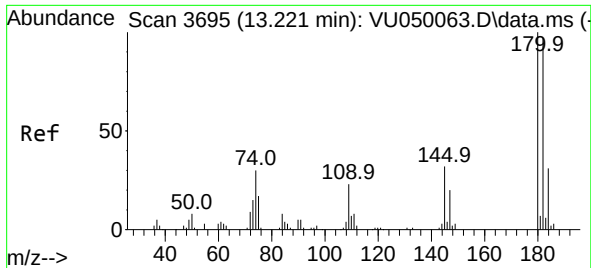
Ion Ratio Lower Upper

75 100

155 76.9 63.5 95.3

157 103.9 85.0 127.6

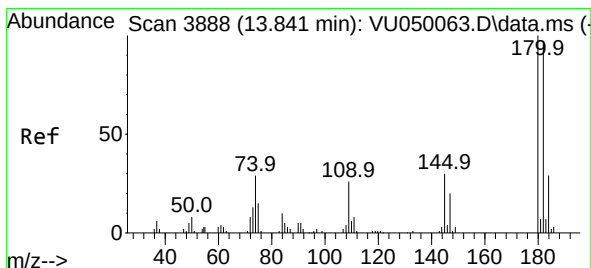
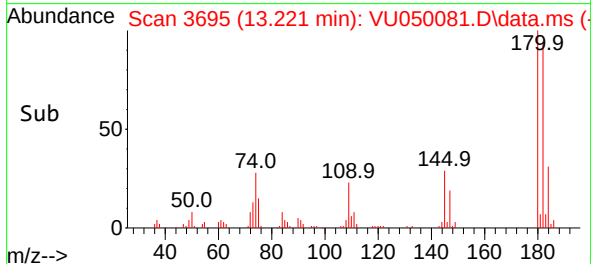
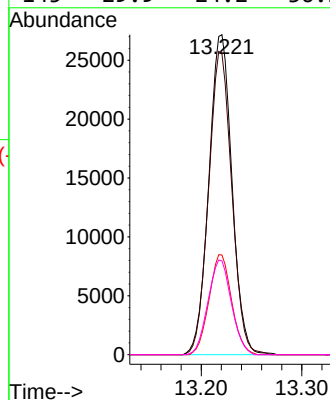
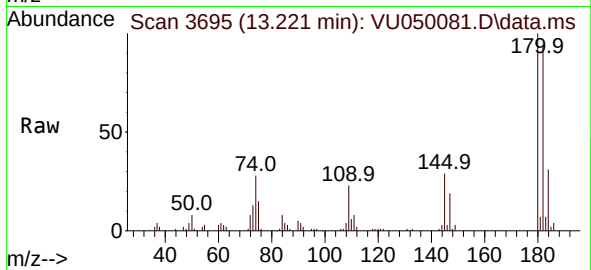




#69  
1,3,5-Trichlorobenzene  
Concen: 5.184 ug/L  
RT: 13.221 min Scan# 3695  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

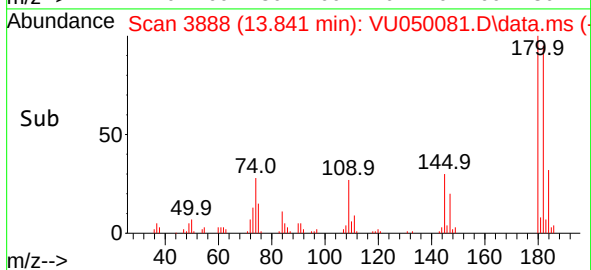
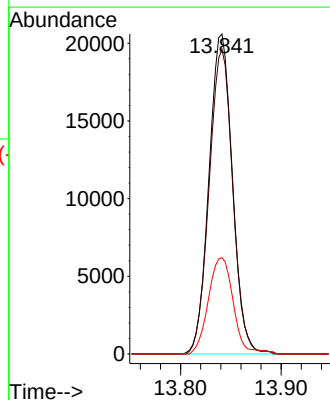
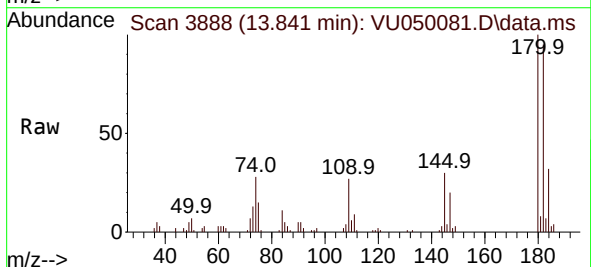
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

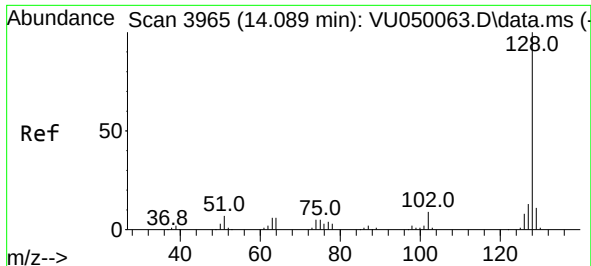
Tgt Ion:180 Resp: 43364  
Ion Ratio Lower Upper  
180 100  
182 94.8 77.3 115.9  
184 30.6 24.1 36.1  
145 29.9 24.2 36.2



#70  
1,2,4-trichlorobenzene  
Concen: 5.259 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Tgt Ion:180 Resp: 33332  
Ion Ratio Lower Upper  
180 100  
182 95.7 76.9 115.3  
145 31.9 24.2 36.4

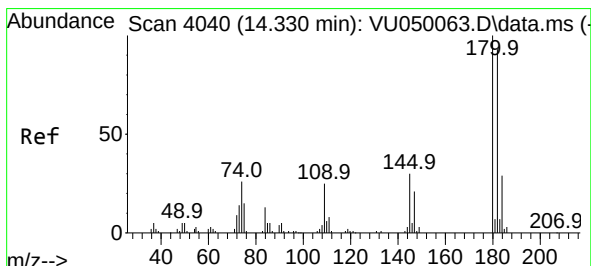
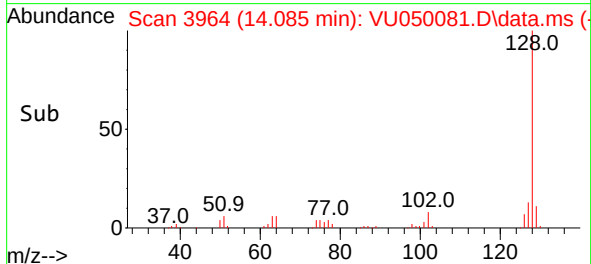
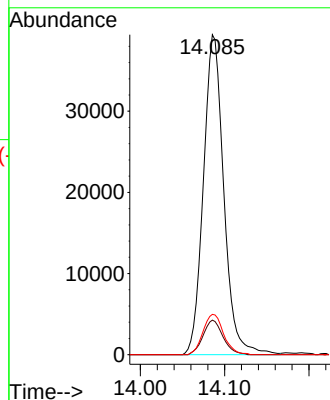
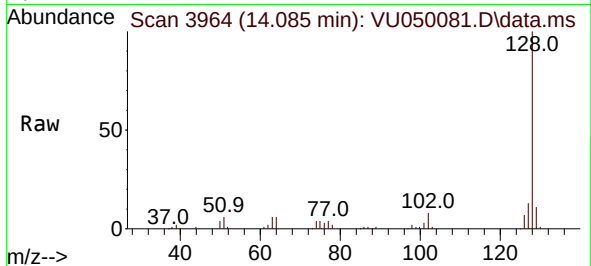




#71  
Naphthalene  
Concen: 5.121 ug/L  
RT: 14.085 min Scan# 3965  
Delta R.T. -0.003 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJG8MS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 66559     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.5  | 8.6 12.8  |
| 127         | 12.7  | 10.6 16.0 |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.446 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU050081.D  
Acq: 04 Aug 2022 23:25

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 34991      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.2  | 77.5 116.3 |
| 145         | 33.4  | 25.8 38.6  |

