

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020525\  
 Data File : VY021099.D  
 Acq On : 05 Feb 2025 19:18  
 Operator : SY/MD  
 Sample : Q1290-02  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 06 00:58:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 367      | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 1226     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 2779     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 3845     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |       |
|-----------------------------|--------|-------|----------|----------|-------------|-------|
| System Monitoring Compounds |        |       |          |          |             |       |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 560      | 148.928  | ug/l        | -0.02 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 297.860%# |       |
| 35) Dibromofluoromethane    | 7.646  | 113   | 388      | 49.383   | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 98.760%   |       |
| 50) Toluene-d8              | 10.109 | 98    | 1626     | 54.359   | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 108.720%  |       |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 2446     | 250.302  | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 500.600%# |       |

|                               |        |     |        |          |      |       |
|-------------------------------|--------|-----|--------|----------|------|-------|
| Target Compounds              |        |     | Qvalue |          |      |       |
| 3) Chloromethane              | 2.074  | 50  | 84     | 26.024   | ug/l | # 41  |
| 4) Vinyl Chloride             | 2.196  | 62  | 22     | 6.772    | ug/l | # 43  |
| 5) Bromomethane               | 2.617  | 94  | 91     | 45.319   | ug/l | # 1   |
| 6) Chloroethane               | 2.684  | 64  | 21     | 10.859   | ug/l | # 43  |
| 10) Methyl Iodide             | 4.019  | 142 | 134    | 32.469   | ug/l | # 40  |
| 11) Tert butyl alcohol        | 4.860  | 59  | 325    | 1275.448 | ug/l | # 75  |
| 14) Allyl chloride            | 4.470  | 41  | 22     | 3.730    | ug/l | # 23  |
| 16) Acetone                   | 3.866  | 43  | 1628   | 2776.280 | ug/l | 99    |
| 17) Carbon Disulfide          | 4.122  | 76  | 69     | 6.288    | ug/l | # 75  |
| 18) Methyl Acetate            | 4.116  | 43  | 754    | 366.285  | ug/l | # 51  |
| 19) Methyl tert-butyl Ether   | 5.086  | 73  | 31     | 3.505    | ug/l | # 54  |
| 20) Methylene Chloride        | 4.616  | 84  | 253    | 69.403   | ug/l | # 59  |
| 21) trans-1,2-Dichloroethene  | 5.177  | 96  | 22     | 5.712    | ug/l | # 1   |
| 25) 2-Butanone                | 6.878  | 43  | 699    | 725.399  | ug/l | # 84  |
| 26) 2,2-Dichloropropane       | 6.872  | 77  | 734    | 111.382  | ug/l | # 52  |
| 27) cis-1,2-Dichloroethene    | 6.640  | 96  | 47     | 10.601   | ug/l | # 1   |
| 29) Tetrahydrofuran           | 7.256  | 42  | 25     | 38.341   | ug/l | # 32  |
| 36) 1,1-Dichloropropene       | 7.884  | 75  | 19     | 1.633    | ug/l | # 42  |
| 37) Ethyl Acetate             | 6.982  | 43  | 88     | 17.237   | ug/l | # 69  |
| 43) Isopropyl Acetate         | 8.073  | 43  | 20     | 1.972    | ug/l | # 51  |
| 48) Methyl methacrylate       | 9.103  | 41  | 22     | 4.761    | ug/l | # 12  |
| 51) 4-Methyl-2-Pentanone      | 10.005 | 43  | 1431   | 280.517  | ug/l | 96    |
| 52) Toluene                   | 10.176 | 92  | 1333   | 62.161   | ug/l | 91    |
| 53) t-1,3-Dichloropropene     | 10.505 | 75  | 69     | 6.384    | ug/l | # 1   |
| 55) 1,1,2-Trichloroethane     | 10.554 | 97  | 202    | 34.756   | ug/l | # 15  |
| 59) 2-Hexanone                | 10.731 | 43  | 476    | 144.922  | ug/l | # 23  |
| 66) 1,1,1,2-Tetrachloroethane | 11.243 | 131 | 65     | 2.956    | ug/l | # 1   |
| 67) Ethyl Benzene             | 11.524 | 91  | 14213  | 129.861  | ug/l | 98    |
| 68) m/p-Xylenes               | 11.627 | 106 | 17098  | 417.591  | ug/l | 94    |
| 69) o-Xylene                  | 11.956 | 106 | 12703  | 332.771  | ug/l | 95    |
| 70) Styrene                   | 11.956 | 104 | 798    | 12.542   | ug/l | # 1   |
| 73) Isopropylbenzene          | 12.261 | 105 | 8338   | 27.761   | ug/l | 97    |
| 74) N-amyl acetate            | 12.060 | 43  | 2055   | 31.295   | ug/l | # 73  |
| 75) 1,1,2,2-Tetrachloroethane | 12.493 | 83  | 306    | 6.126    | ug/l | # 25  |
| 76) 1,2,3-Trichloropropane    | 12.603 | 75  | 162    | 4.645    | ug/l | # 100 |
| 78) n-propylbenzene           | 12.603 | 91  | 23507  | 65.701   | ug/l | 98    |

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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 06 00:58:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

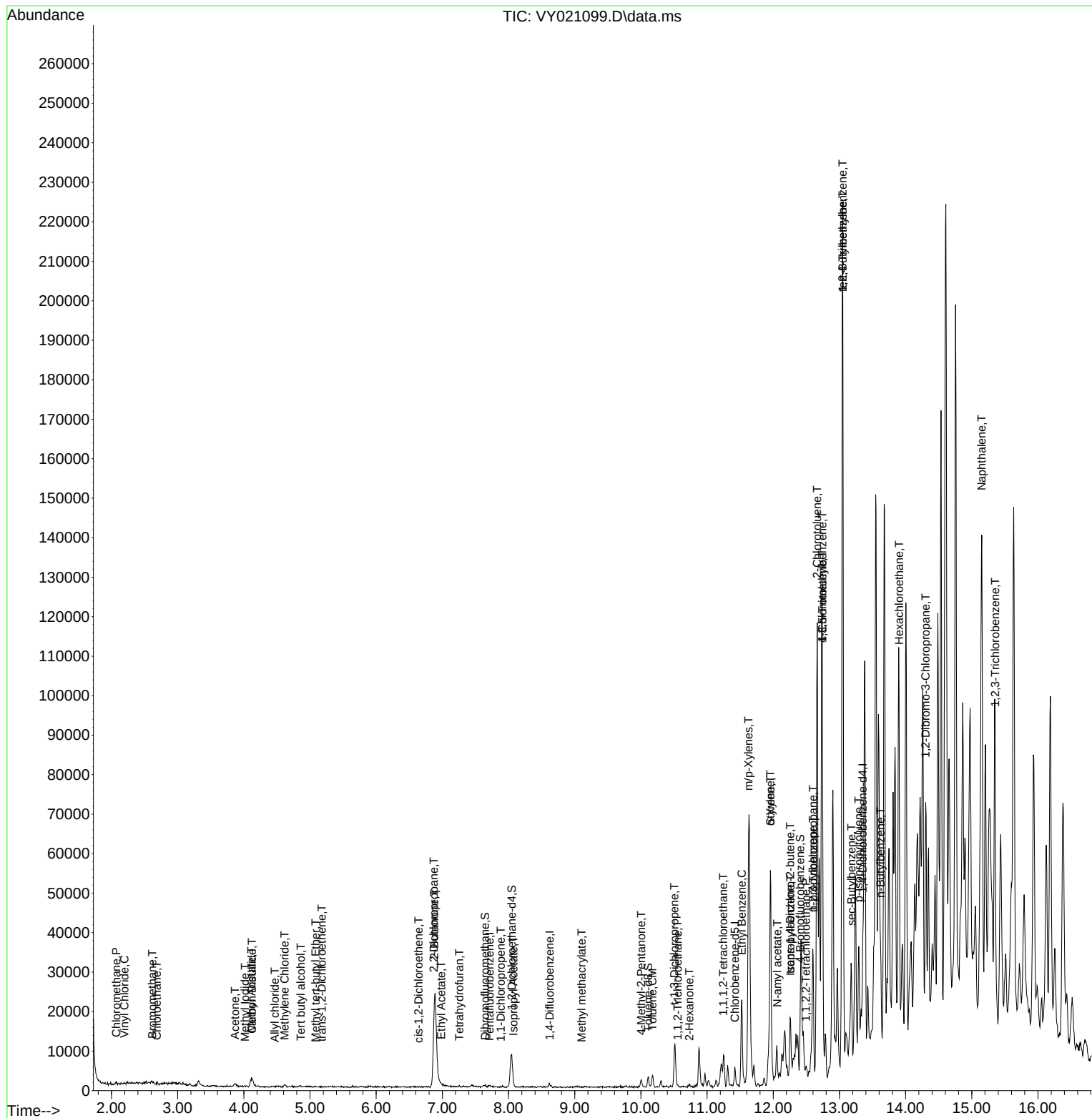
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 79) 2-Chlorotoluene           | 12.664 | 91   | 8216     | 40.094  | ug/l # | 41       |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105  | 24755    | 101.657 | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.255 | 75   | 97       | 5.675   | ug/l # | 1        |
| 82) 4-Chlorotoluene           | 12.743 | 91   | 2848     | 13.641  | ug/l # | 41       |
| 83) tert-Butylbenzene         | 13.048 | 119  | 14189    | 64.104  | ug/l # | 63       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 111675   | 469.026 | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.182 | 105  | 13043    | 40.936  | ug/l   | 88       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 7173     | 27.102  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.621 | 91   | 11873    | 49.174  | ug/l # | 79       |
| 90) Hexachloroethane          | 13.901 | 117  | 4410     | 79.871  | ug/l # | 17       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.304 | 75   | 214      | 28.669  | ug/l # | 1        |
| 95) Naphthalene               | 15.151 | 128  | 88091    | 851.607 | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.352 | 180  | 262      | 4.869   | ug/l # | 1        |
| -----                         |        |      |          |         |        |          |

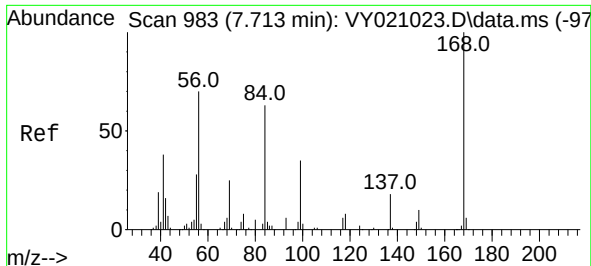
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

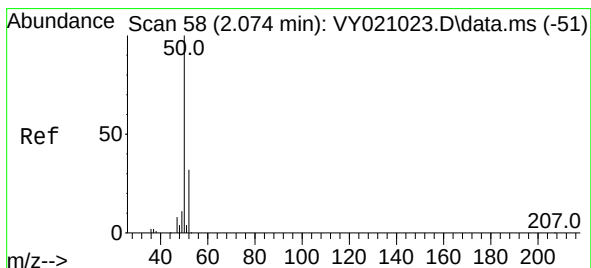
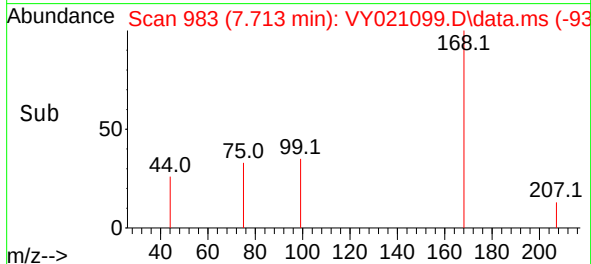
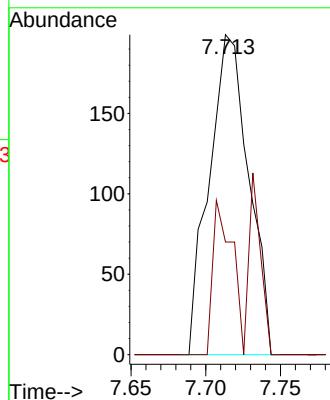
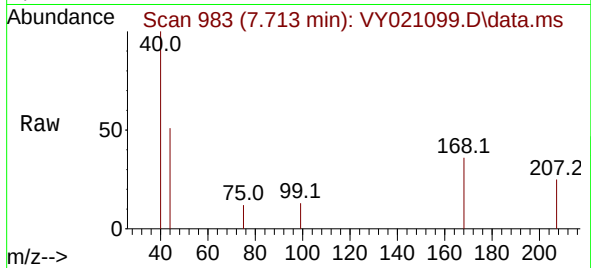




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

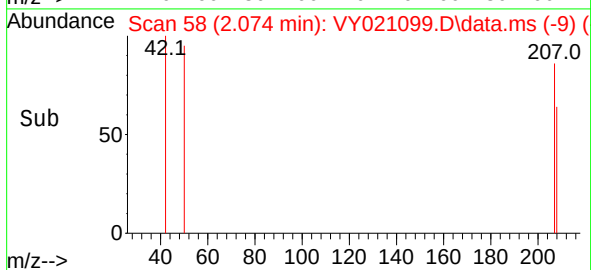
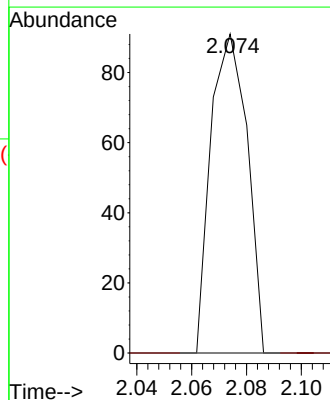
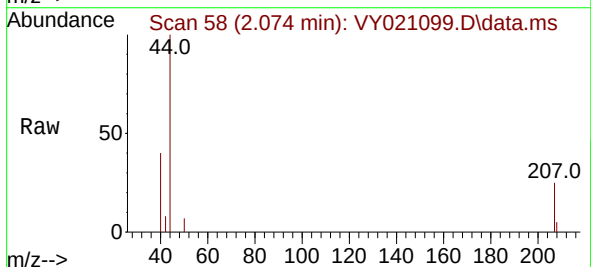
Instrument :  
MSVOA\_Y  
ClientSampleId :

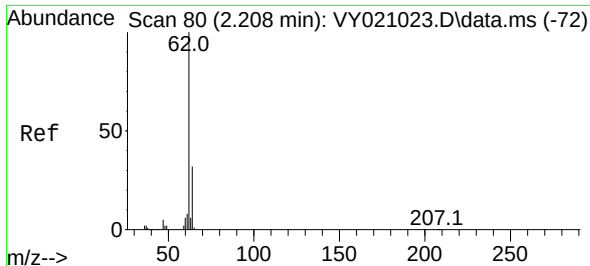
Tgt Ion:168 Resp: 367  
Ion Ratio Lower Upper  
168 100  
99 35.2 44.2 66.4#



#3  
Chloromethane  
Concen: 26.024 ug/l  
RT: 2.074 min Scan# 58  
Delta R.T. -0.000 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Tgt Ion: 50 Resp: 84  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.7 40.1#

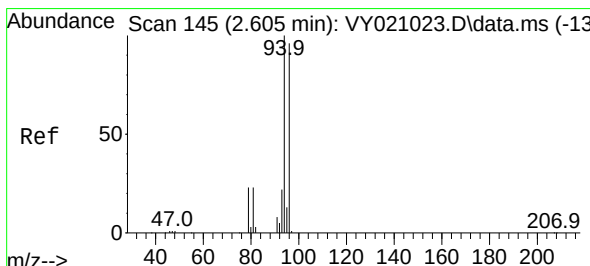
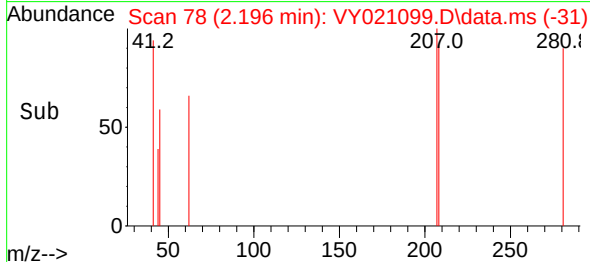
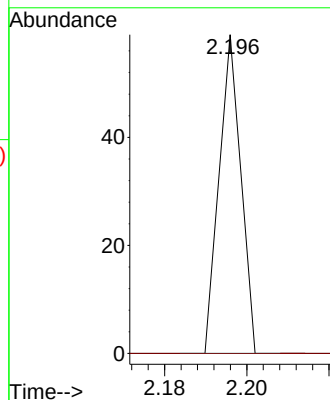
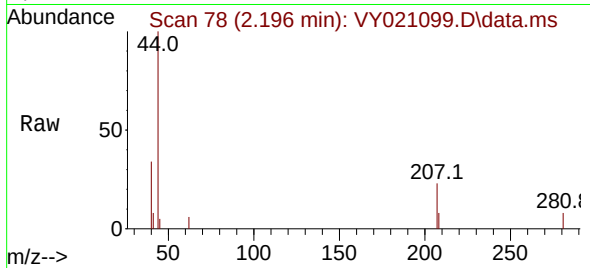




#4  
 Vinyl Chloride  
 Concen: 6.772 ug/l  
 RT: 2.196 min Scan# 71  
 Delta R.T. -0.012 min  
 Lab File: VY021099.D  
 Acq: 05 Feb 2025 19:18

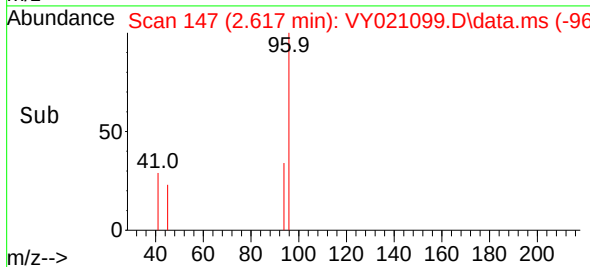
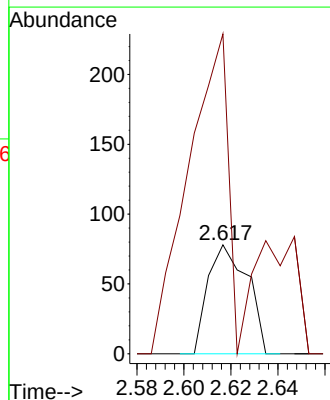
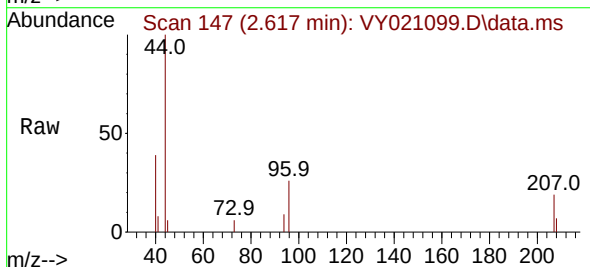
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

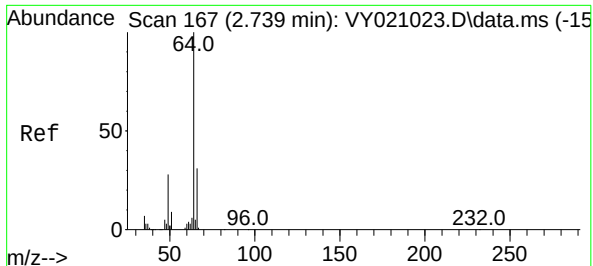
Tgt Ion: 62 Resp: 22  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 25.7 38.5#



#5  
 Bromomethane  
 Concen: 45.319 ug/l  
 RT: 2.617 min Scan# 147  
 Delta R.T. 0.012 min  
 Lab File: VY021099.D  
 Acq: 05 Feb 2025 19:18

Tgt Ion: 94 Resp: 91  
 Ion Ratio Lower Upper  
 94 100  
 96 212.8 77.3 115.9#

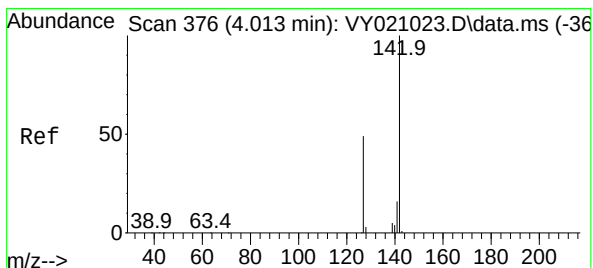
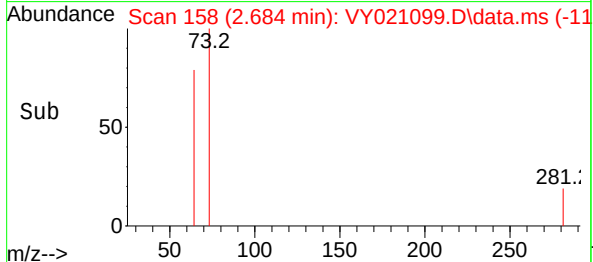
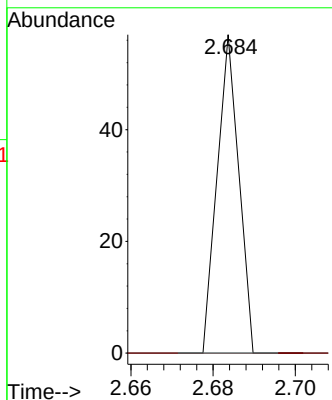
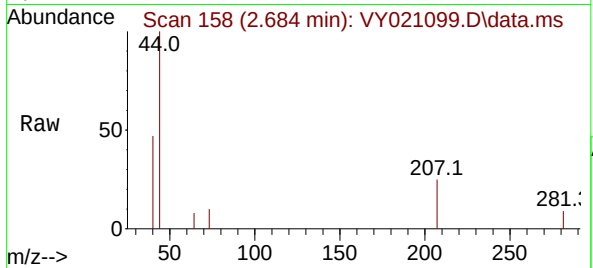




#6  
Chloroethane  
Concen: 10.859 ug/l  
RT: 2.684 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

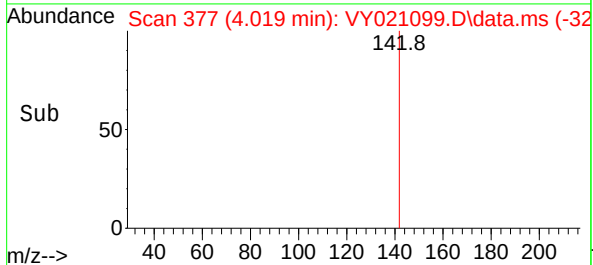
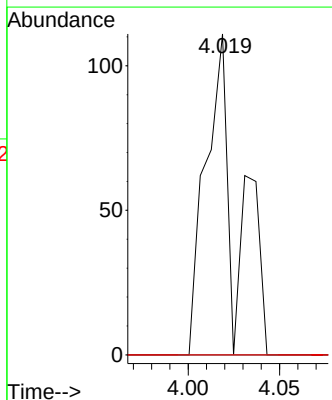
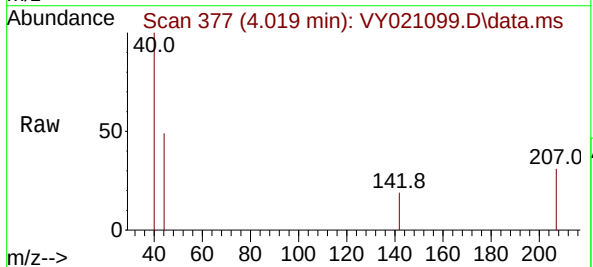
Instrument :  
MSVOA\_Y  
ClientSampleId :

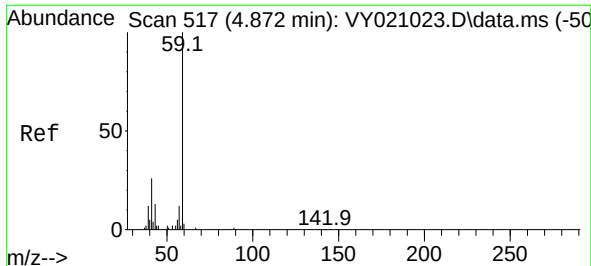
Tgt Ion: 64 Resp: 21  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#10  
Methyl Iodide  
Concen: 32.469 ug/l  
RT: 4.019 min Scan# 377  
Delta R.T. 0.006 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Tgt Ion:142 Resp: 134  
Ion Ratio Lower Upper  
142 100  
127 0.0 35.1 52.7#  
141 0.0 11.8 17.6#





#11

Tert butyl alcohol

Concen: 1275.448 ug/l

RT: 4.860 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

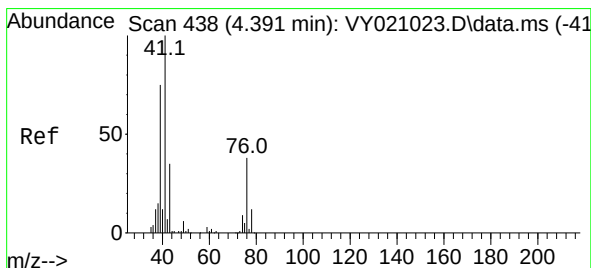
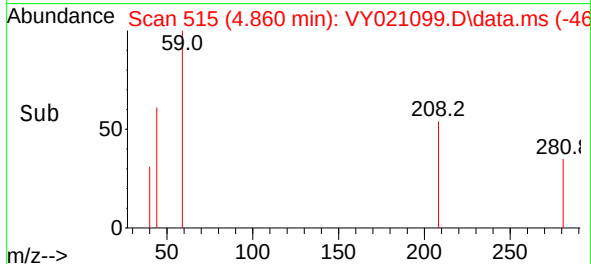
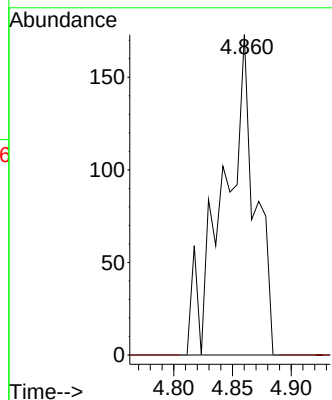
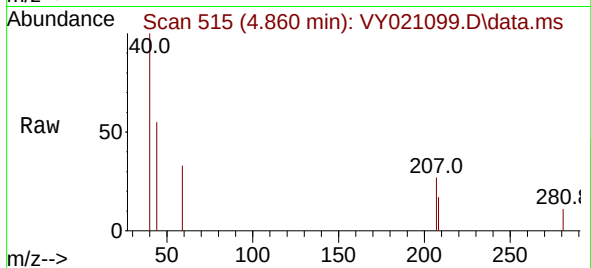
ClientSampleId :

Tgt Ion: 59 Resp: 325

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#14

Allyl chloride

Concen: 3.730 ug/l

RT: 4.470 min Scan# 451

Delta R.T. 0.079 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

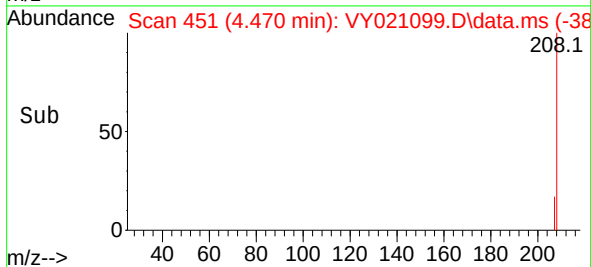
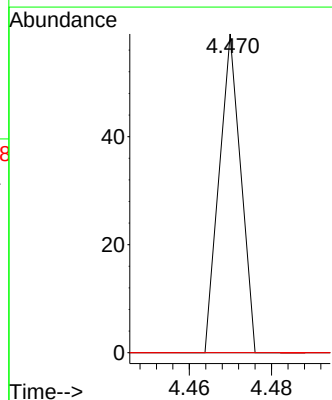
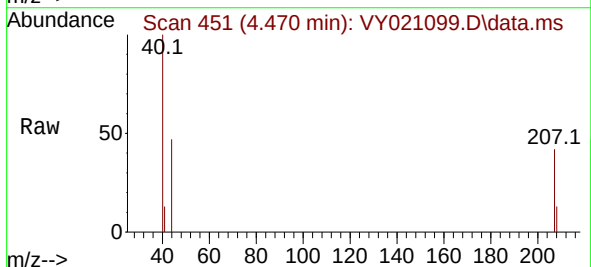
Tgt Ion: 41 Resp: 22

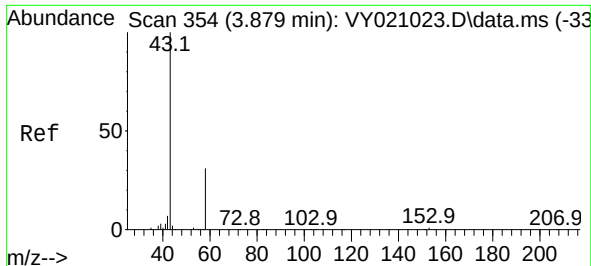
Ion Ratio Lower Upper

41 100

39 0.0 54.7 82.1#

76 0.0 31.8 47.6#





#16

Acetone

Concen: 2776.280 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.012 min

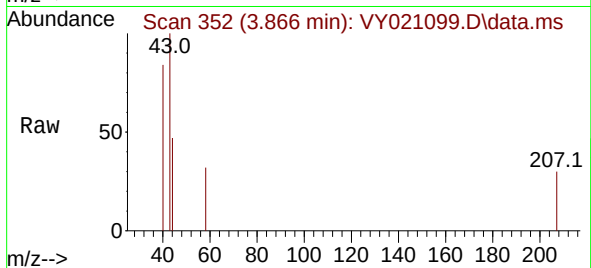
Lab File: VY021099.D

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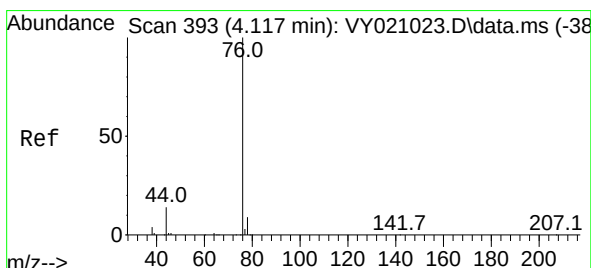
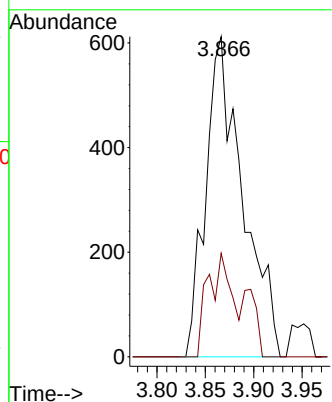
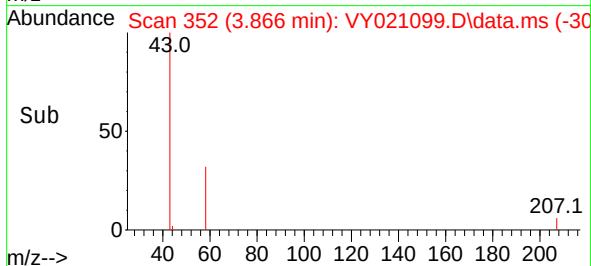


Tgt Ion: 43 Resp: 1628

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



#17

Carbon Disulfide

Concen: 6.288 ug/l

RT: 4.122 min Scan# 394

Delta R.T. 0.006 min

Lab File: VY021099.D

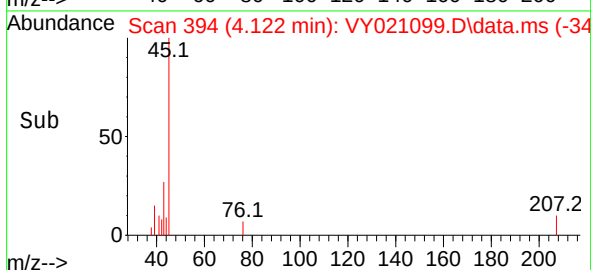
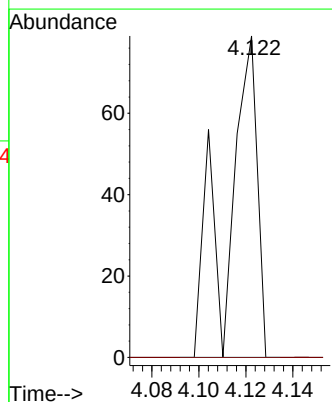
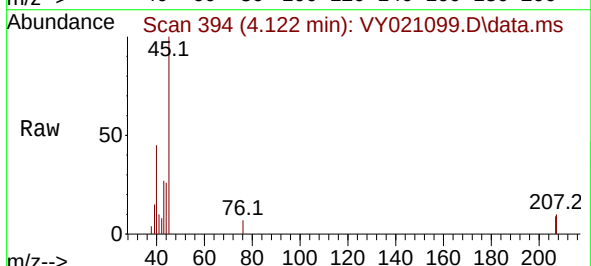
Acq: 05 Feb 2025 19:18

Tgt Ion: 76 Resp: 69

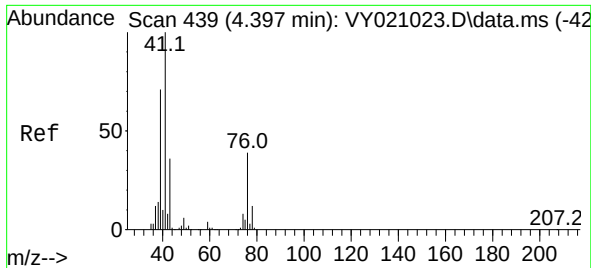
Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



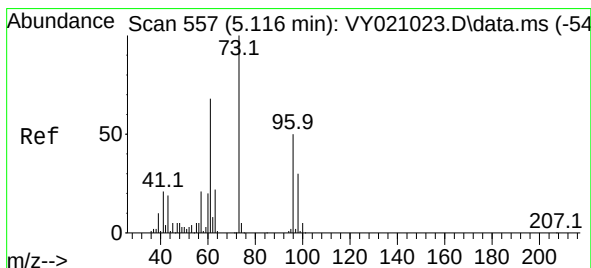
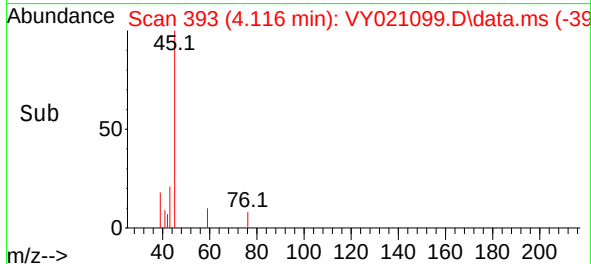
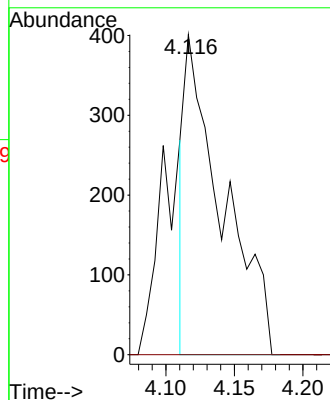
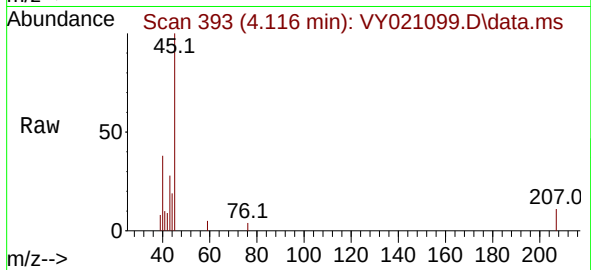




#18  
Methyl Acetate  
Concen: 366.285 ug/l  
RT: 4.116 min Scan# 393  
Delta R.T. -0.281 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

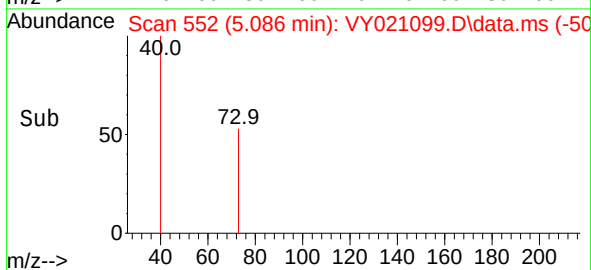
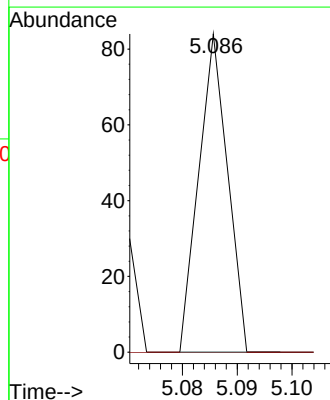
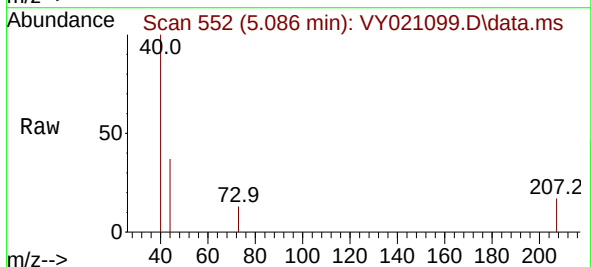
Instrument :  
MSVOA\_Y  
ClientSampleId :

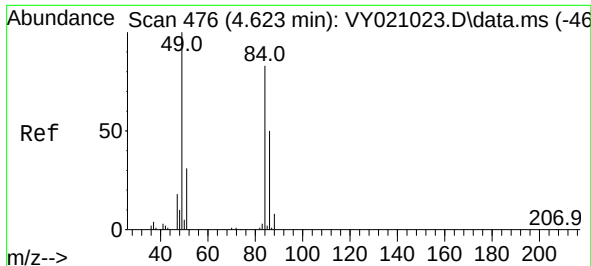
Tgt Ion: 43 Resp: 754  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.8 29.6#



#19  
Methyl tert-butyl Ether  
Concen: 3.505 ug/l  
RT: 5.086 min Scan# 552  
Delta R.T. -0.031 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Tgt Ion: 73 Resp: 31  
Ion Ratio Lower Upper  
73 100  
57 0.0 17.7 26.5#





#20

Methylene Chloride

Concen: 69.403 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

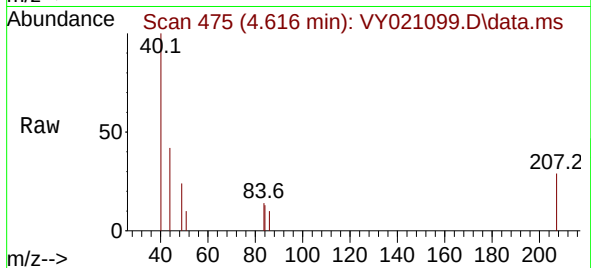
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 253

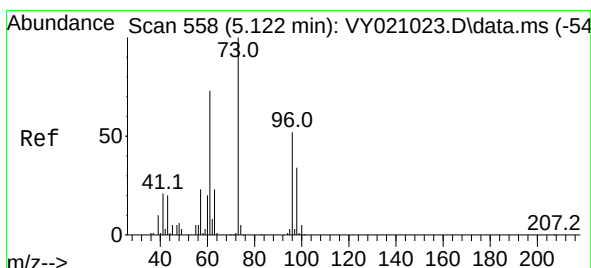
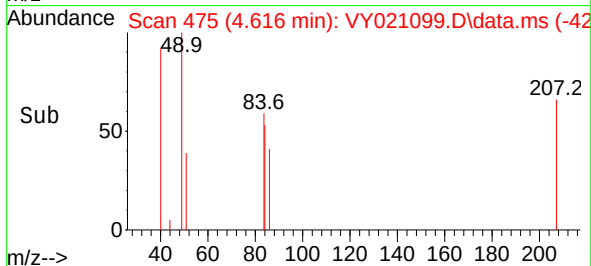
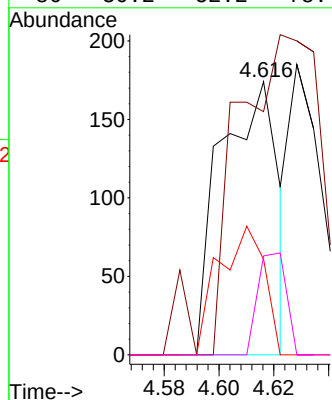
Ion Ratio Lower Upper

84 100

49 58.0 95.2 142.8#

51 35.1 29.9 44.9

86 36.2 52.2 78.4#



#21

trans-1,2-Dichloroethene

Concen: 5.712 ug/l

RT: 5.177 min Scan# 567

Delta R.T. 0.055 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

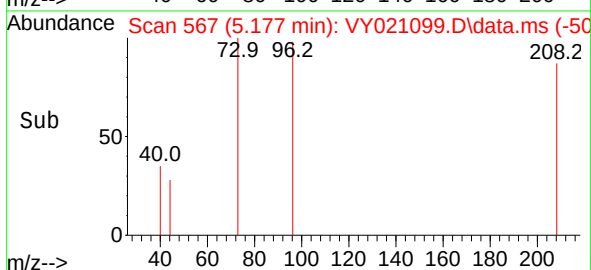
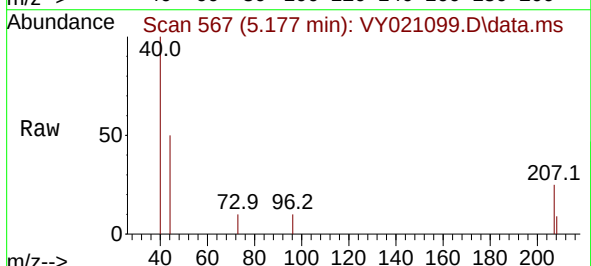
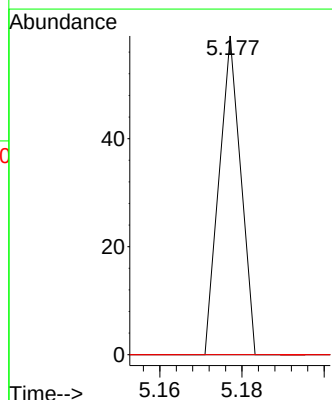
Tgt Ion: 96 Resp: 22

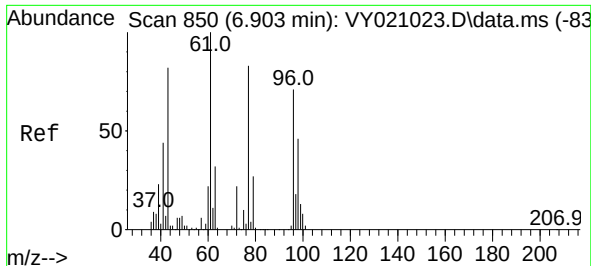
Ion Ratio Lower Upper

96 100

61 0.0 104.6 156.8#

98 0.0 50.9 76.3#





#25

2-Butanone

Concen: 725.399 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.025 min

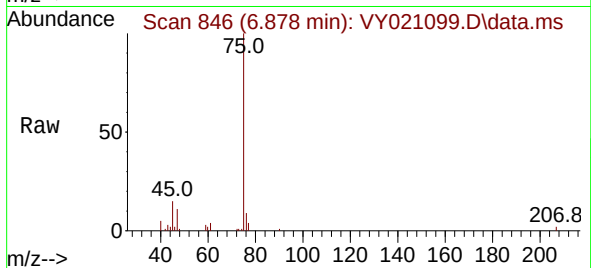
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

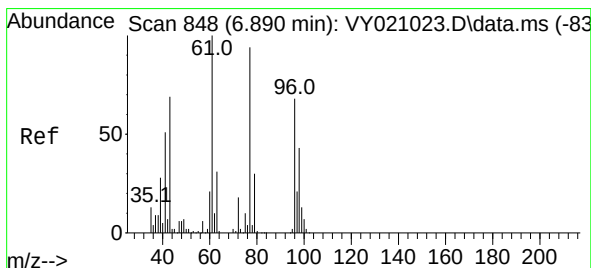
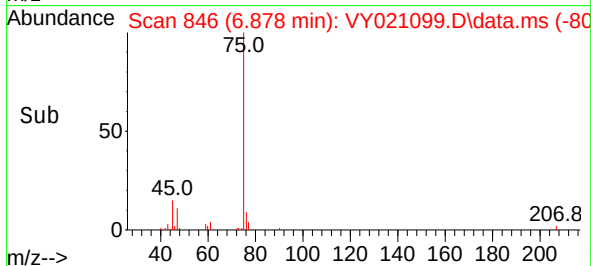
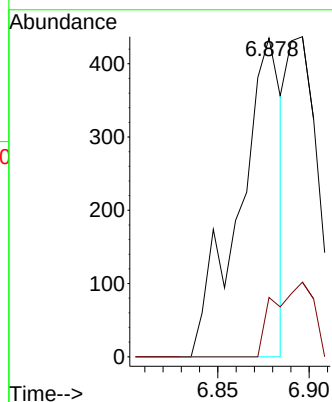


Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

72 18.6 21.4 32.2#



#26

2,2-Dichloropropane

Concen: 111.382 ug/l

RT: 6.872 min Scan# 845

Delta R.T. -0.019 min

Lab File: VY021099.D

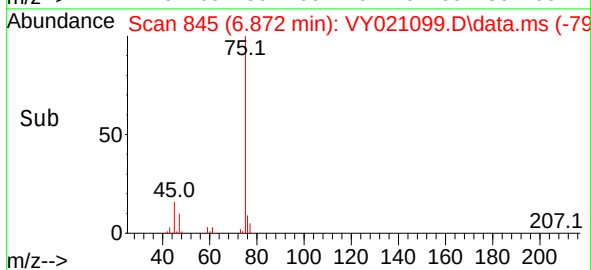
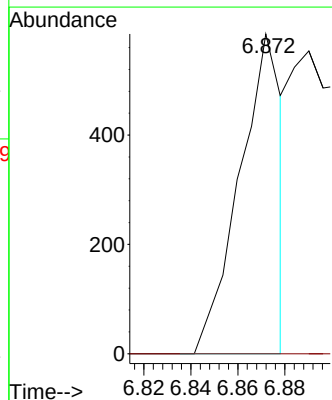
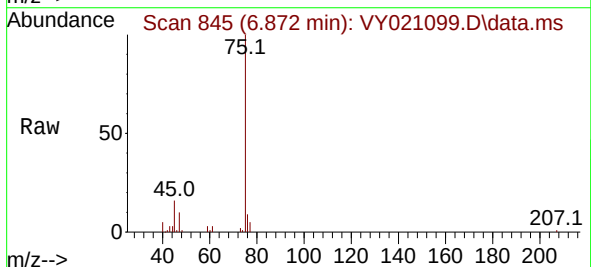
Acq: 05 Feb 2025 19:18

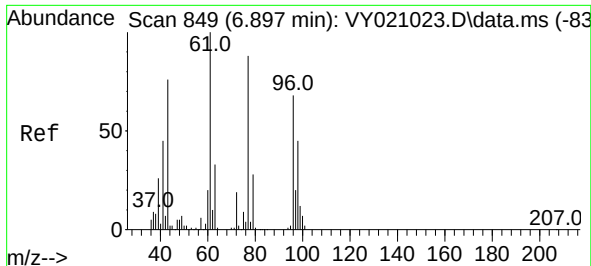
Tgt Ion: 77 Resp: 734

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#27

cis-1,2-Dichloroethene

Concen: 10.601 ug/l

RT: 6.640 min Scan# 80

Delta R.T. -0.256 min

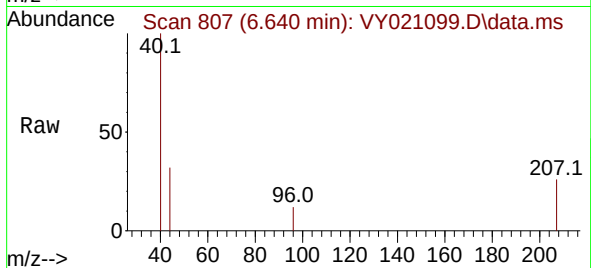
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :



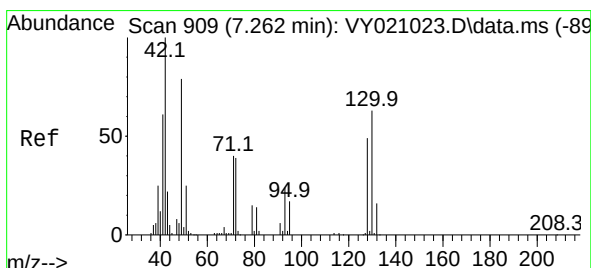
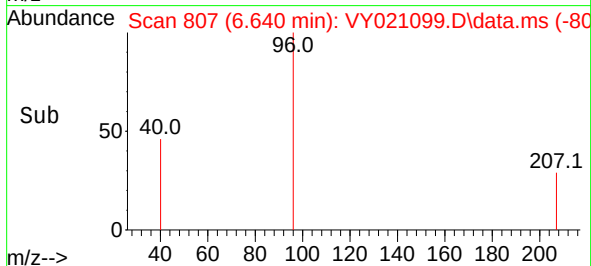
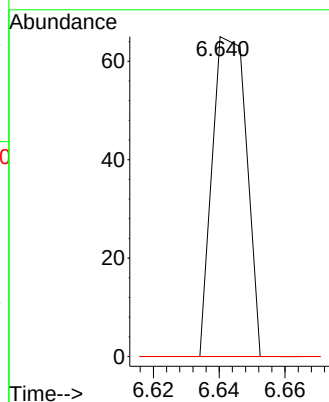
Tgt Ion: 96 Resp: 47

Ion Ratio Lower Upper

96 100

61 0.0 0.0 278.8

98 0.0 0.0 127.0



#29

Tetrahydrofuran

Concen: 38.341 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

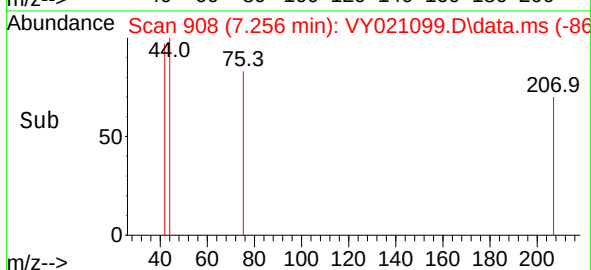
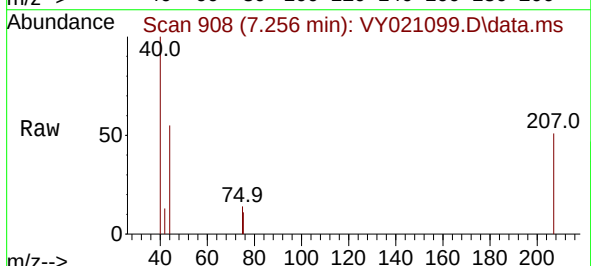
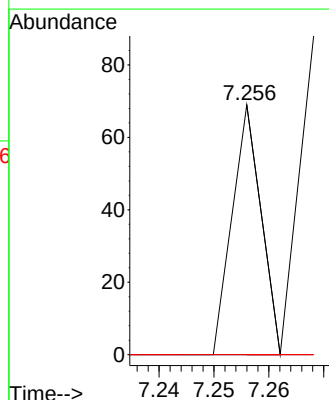
Tgt Ion: 42 Resp: 25

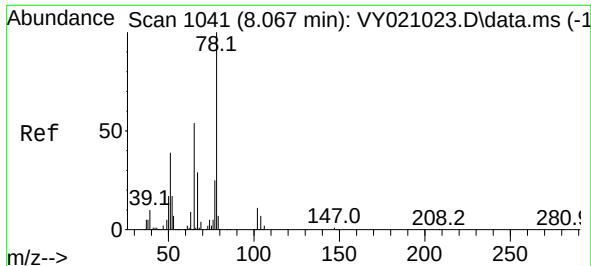
Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.8 50.6#





#33

1,2-Dichloroethane-d4

Concen: 148.928 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. -0.019 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

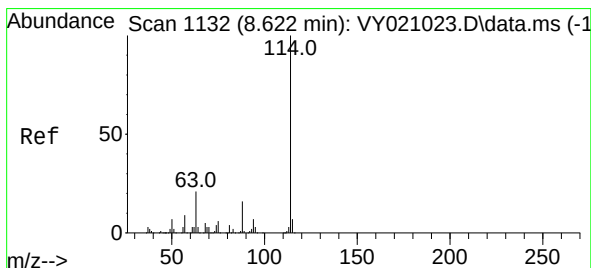
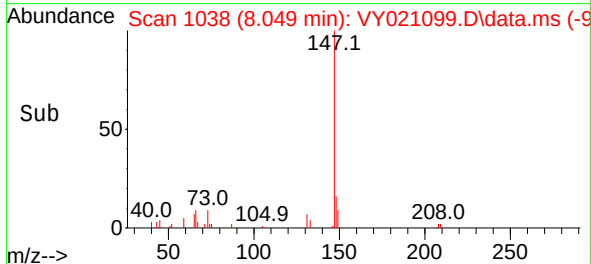
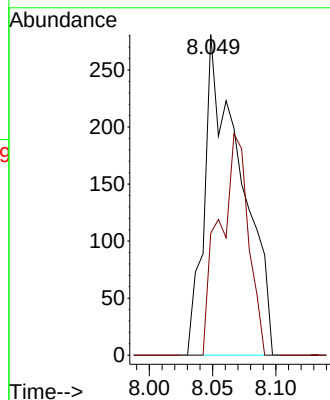
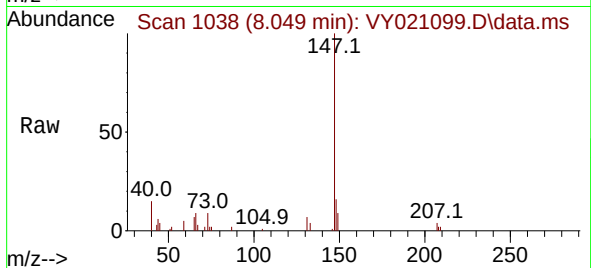
ClientSampleId :

Tgt Ion: 65 Resp: 560

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

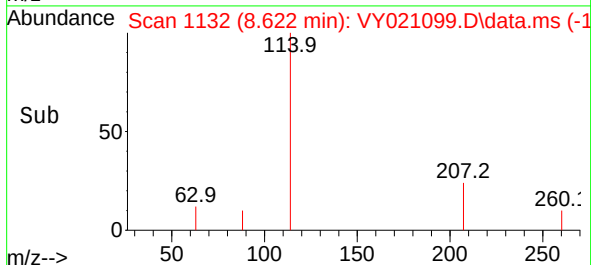
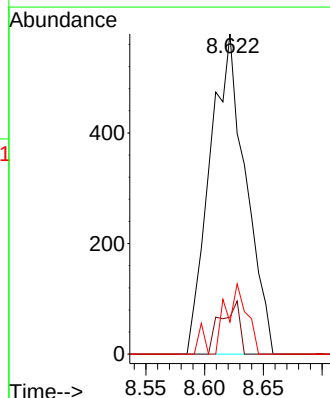
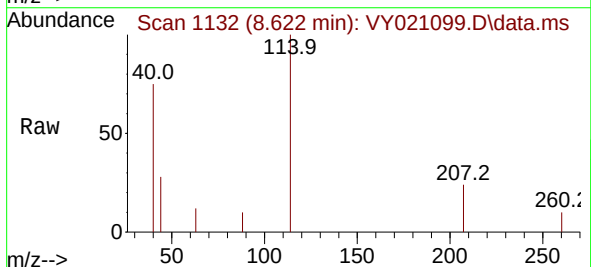
Tgt Ion: 114 Resp: 1226

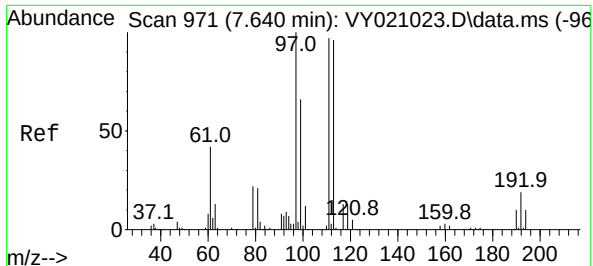
Ion Ratio Lower Upper

114 100

63 11.6 0.0 37.4

88 10.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.383 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

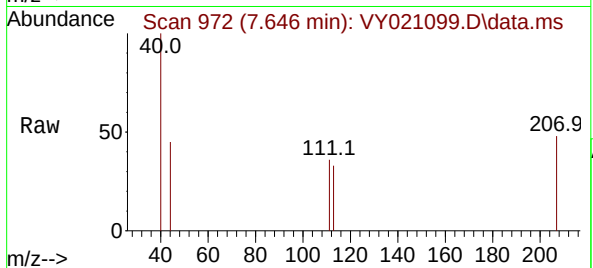
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

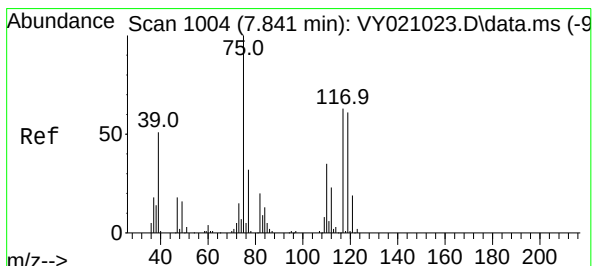
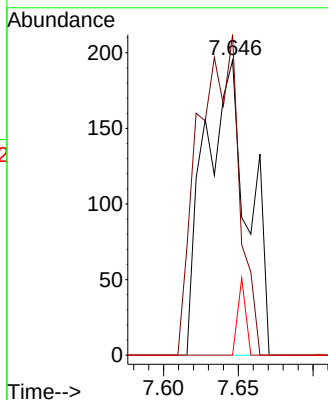
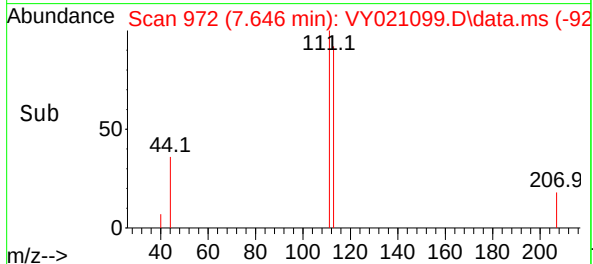
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 388   |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 83.8  | 125.6 |
| 192      | 4.9   | 14.5  | 21.7# |



#36

1,1-Dichloropropene

Concen: 1.633 ug/l

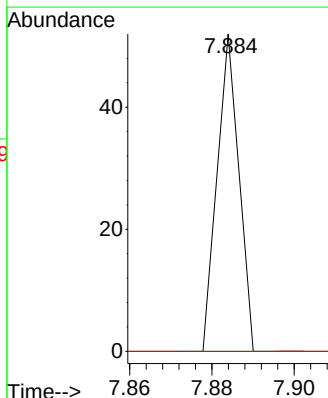
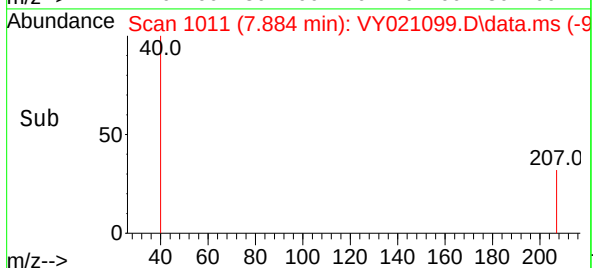
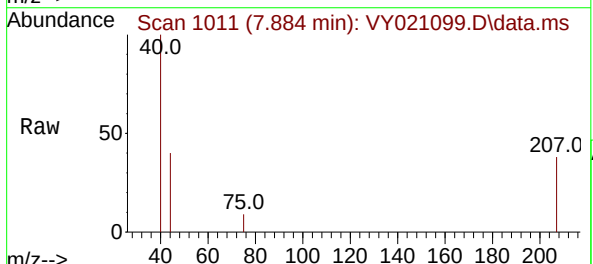
RT: 7.884 min Scan# 1011

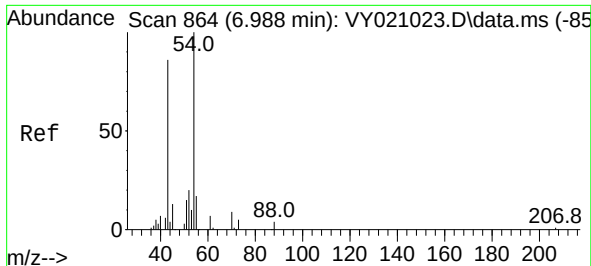
Delta R.T. 0.042 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 19    |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.0   | 17.4  | 52.3# |
| 77       | 0.0   | 24.7  | 37.1# |





#37

Ethyl Acetate

Concen: 17.237 ug/l

RT: 6.982 min Scan# 8

Delta R.T. -0.006 min

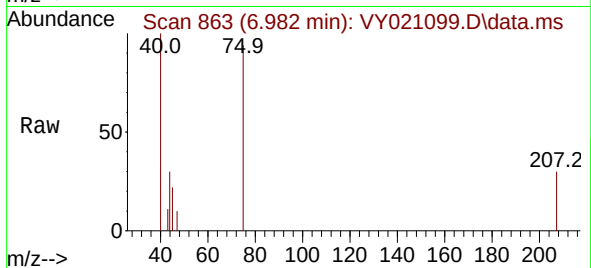
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :



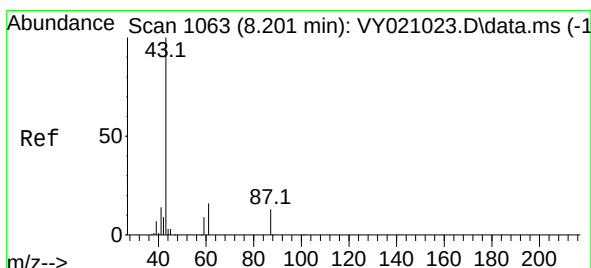
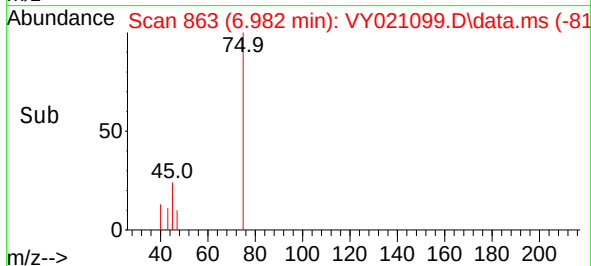
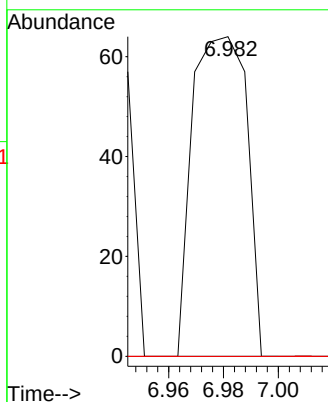
Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.1 12.1#



#43

Isopropyl Acetate

Concen: 1.972 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. -0.128 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

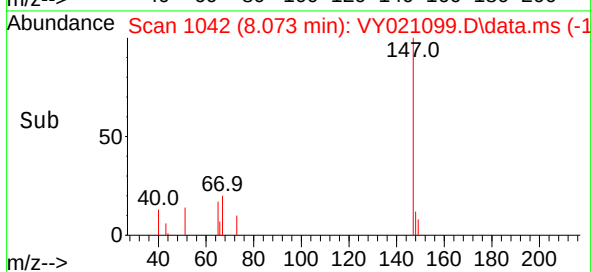
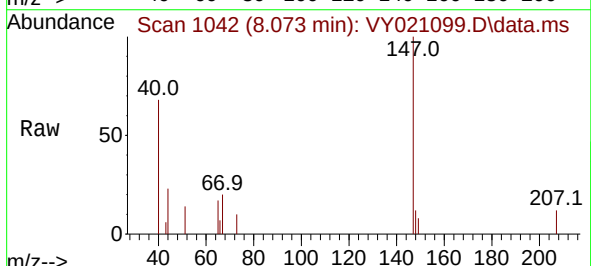
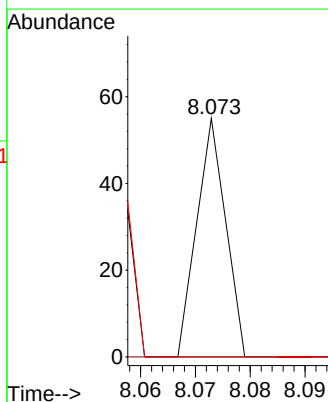
Tgt Ion: 43 Resp: 20

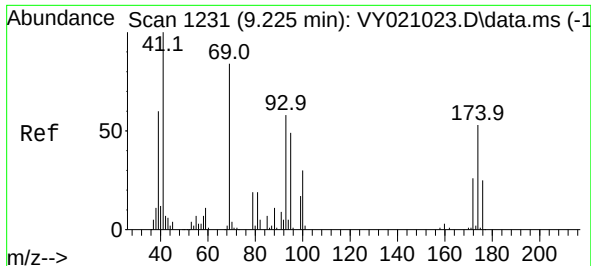
Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 4.761 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.122 min

Lab File: VY021099.D

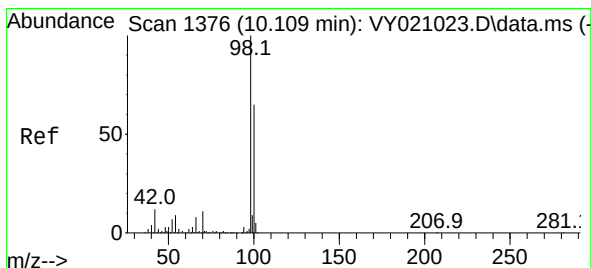
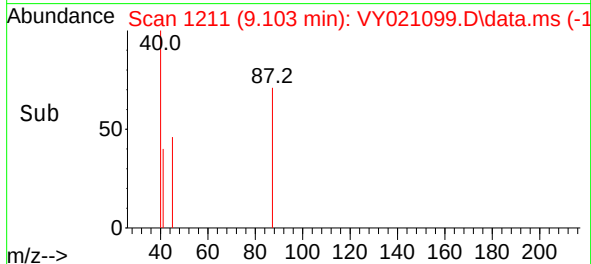
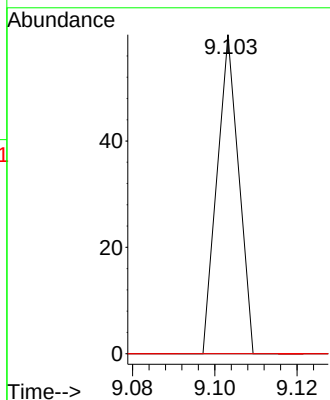
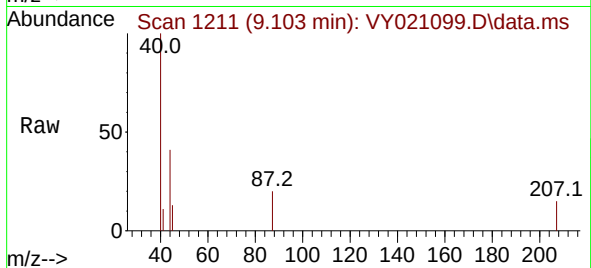
Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 22     |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 0.0   | 72.1  | 108.1# |
| 39       | 0.0   | 42.8  | 64.2#  |



#50

Toluene-d8

Concen: 54.359 ug/l

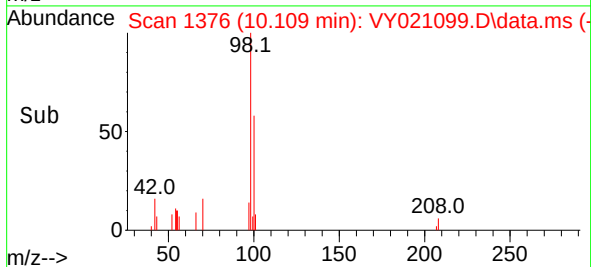
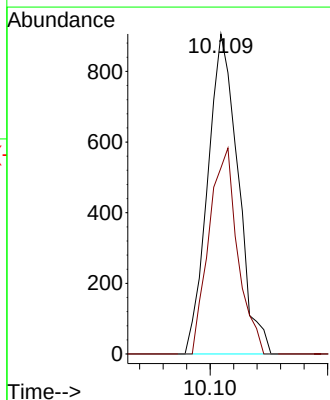
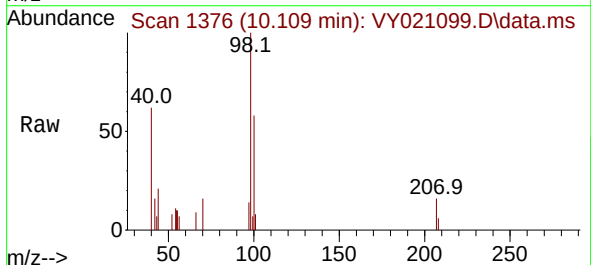
RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

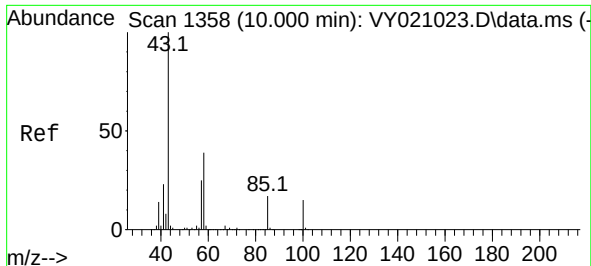
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 1626  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 60.8  | 52.3  | 78.5  |



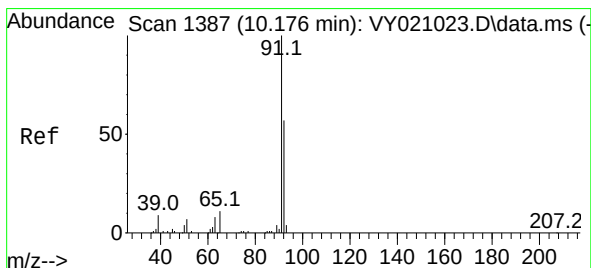
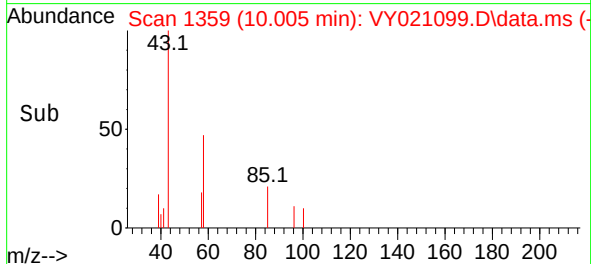
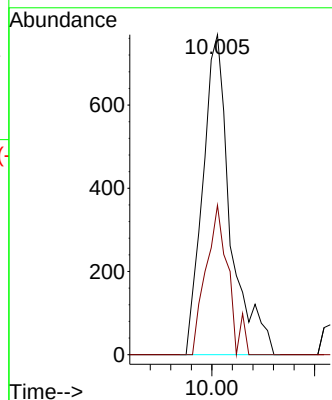
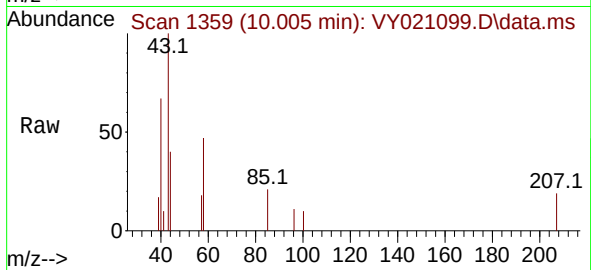




#51  
4-Methyl-2-Pentanone  
Concen: 280.517 ug/l  
RT: 10.005 min Scan# 1359  
Delta R.T. 0.006 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

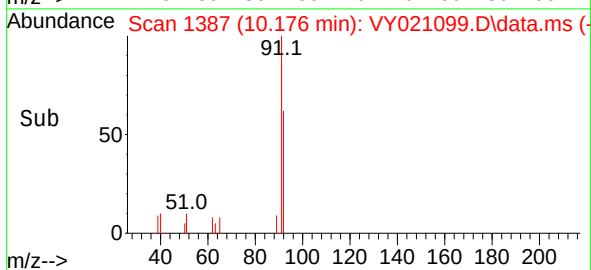
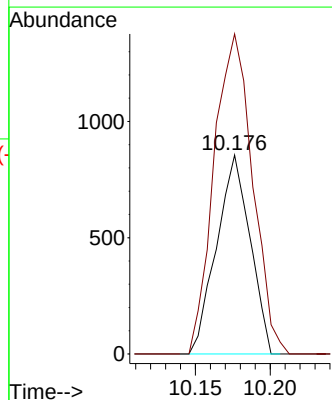
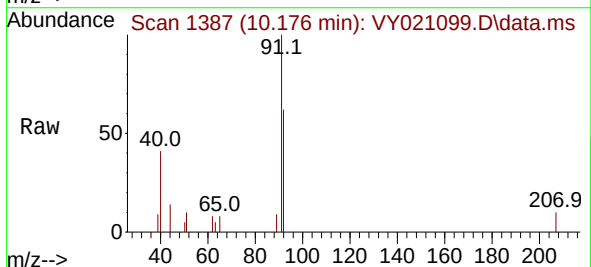
Instrument :  
MSVOA\_Y  
ClientSampleId :

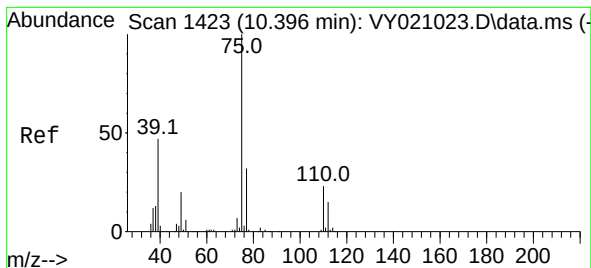
Tgt Ion: 43 Resp: 1431  
Ion Ratio Lower Upper  
43 100  
58 37.8 32.2 48.2



#52  
Toluene  
Concen: 62.161 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

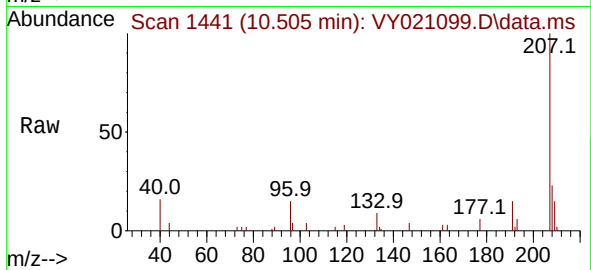
Tgt Ion: 92 Resp: 1333  
Ion Ratio Lower Upper  
92 100  
91 185.0 137.6 206.4



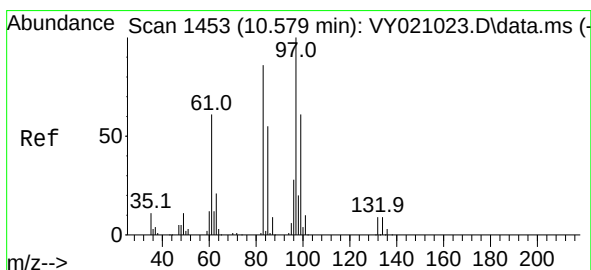
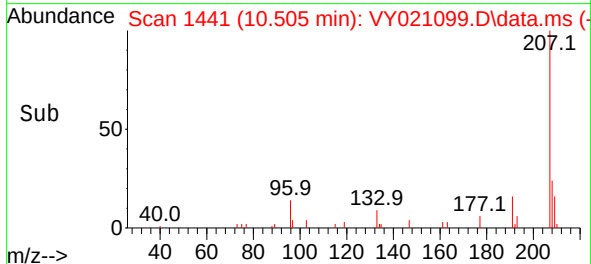
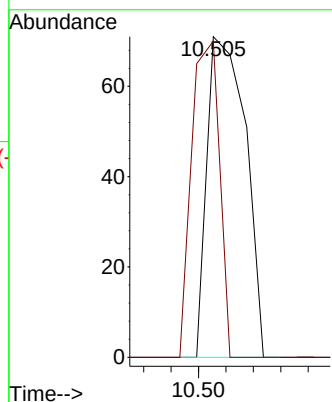


#53  
t-1,3-Dichloropropene  
Concen: 6.384 ug/l  
RT: 10.505 min Scan# 1441  
Delta R.T. 0.110 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

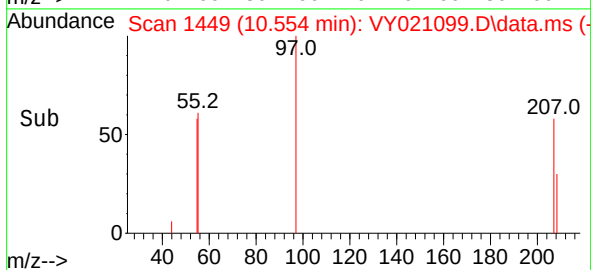
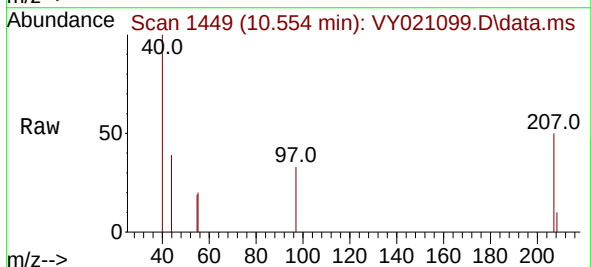
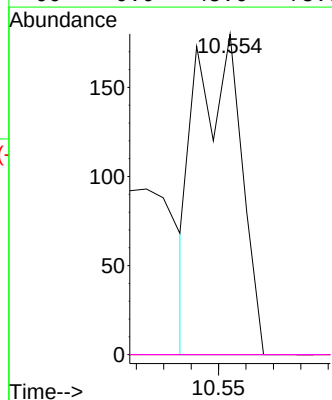


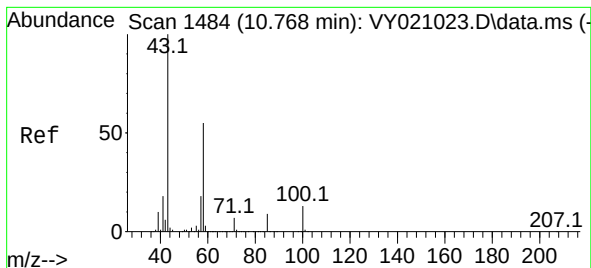
Tgt Ion: 75 Resp: 69  
Ion Ratio Lower Upper  
75 100  
77 98.6 24.6 36.8#



#55  
1,1,2-Trichloroethane  
Concen: 34.756 ug/l  
RT: 10.554 min Scan# 1449  
Delta R.T. -0.025 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

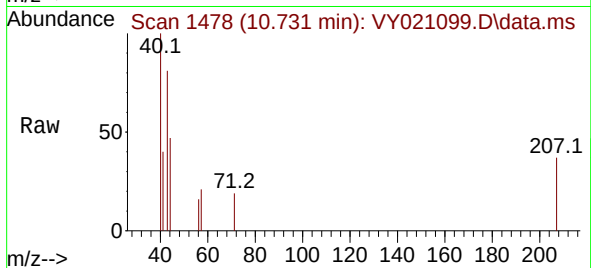
Tgt Ion: 97 Resp: 202  
Ion Ratio Lower Upper  
97 100  
83 0.0 69.4 104.2#  
85 0.0 43.9 65.9#  
99 0.0 48.6 73.0#



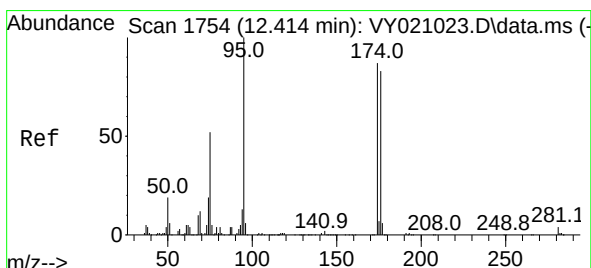
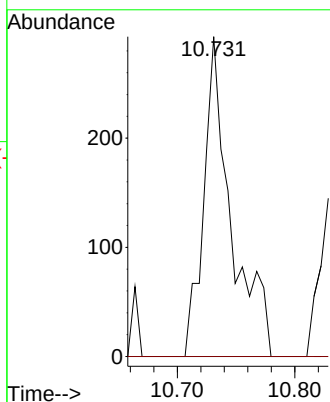
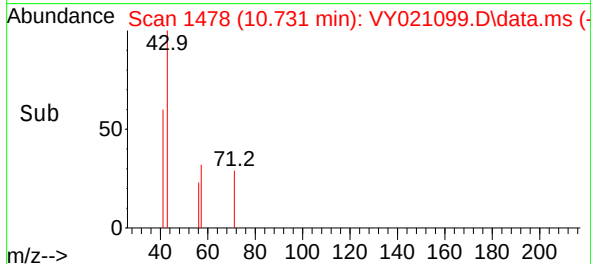


#59  
2-Hexanone  
Concen: 144.922 ug/l  
RT: 10.731 min Scan# 1478  
Delta R.T. -0.037 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

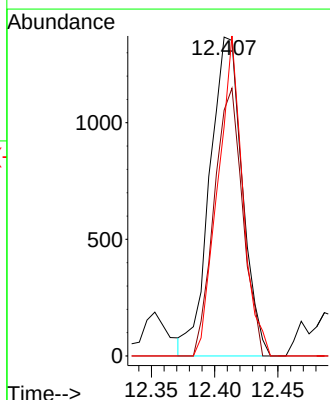
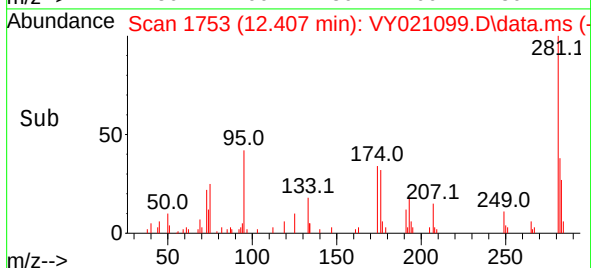
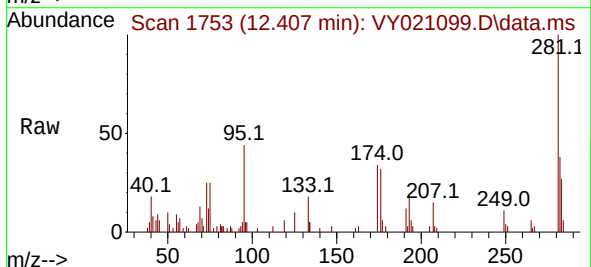


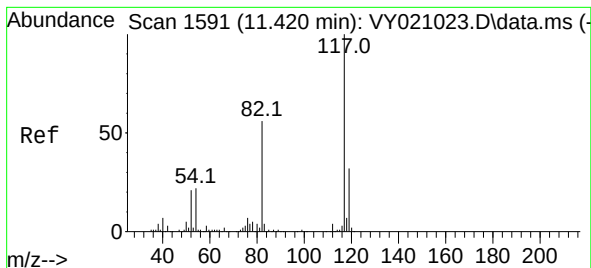
Tgt Ion: 43 Resp: 476  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.1 84.3#



#62  
4-Bromofluorobenzene  
Concen: 250.302 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Tgt Ion: 95 Resp: 2446  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 160.0  
176 76.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1562

Delta R.T. -0.000 min

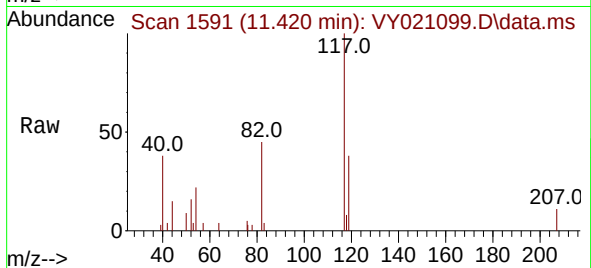
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :



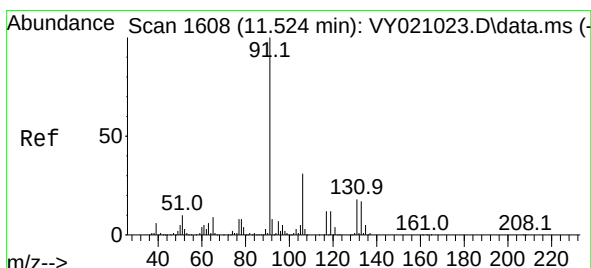
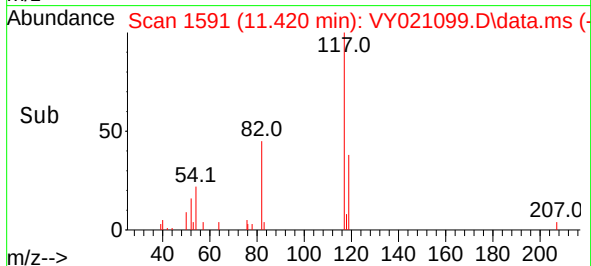
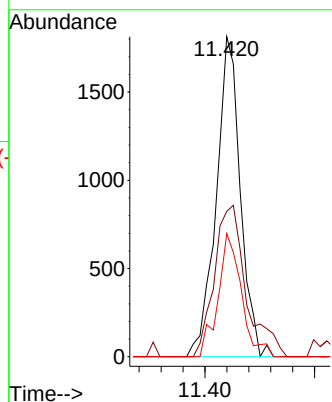
Tgt Ion:117 Resp: 2779

Ion Ratio Lower Upper

117 100

82 45.5 43.8 65.8

119 38.5 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 2.956 ug/l

RT: 11.243 min Scan# 1562

Delta R.T. -0.281 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

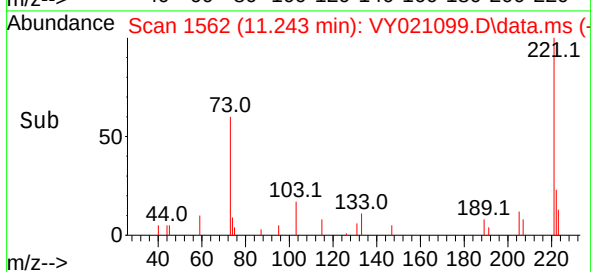
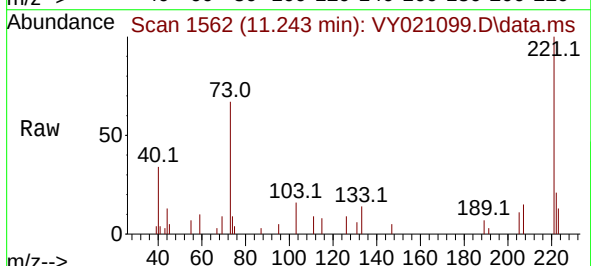
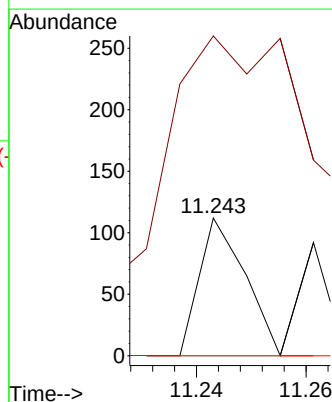
Tgt Ion:131 Resp: 65

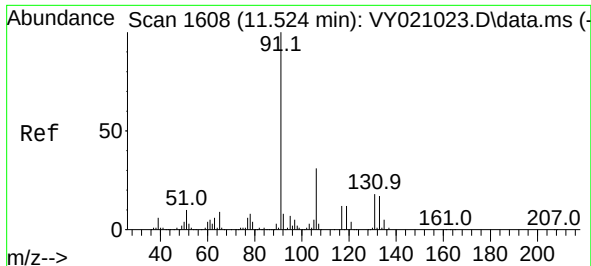
Ion Ratio Lower Upper

131 100

133 635.4 47.0 141.0#

119 0.0 33.3 99.9#





#67

Ethyl Benzene

Concen: 129.861 ug/l

RT: 11.524 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

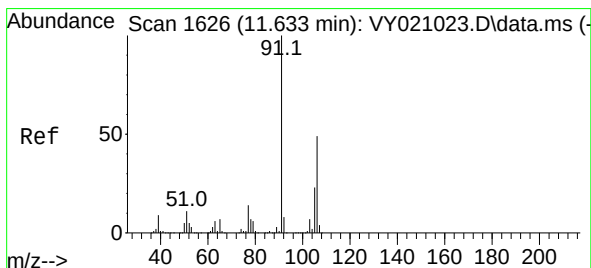
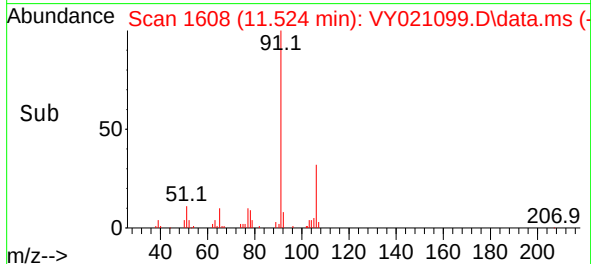
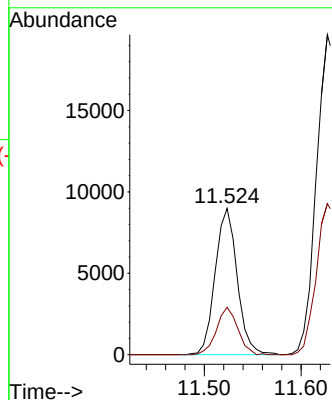
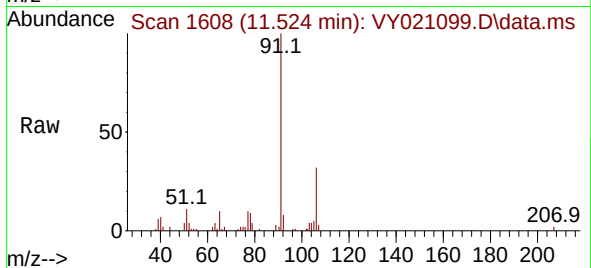
ClientSampleId :

Tgt Ion: 91 Resp: 14213

Ion Ratio Lower Upper

91 100

106 32.4 25.0 37.4



#68

m/p-Xylenes

Concen: 417.591 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY021099.D

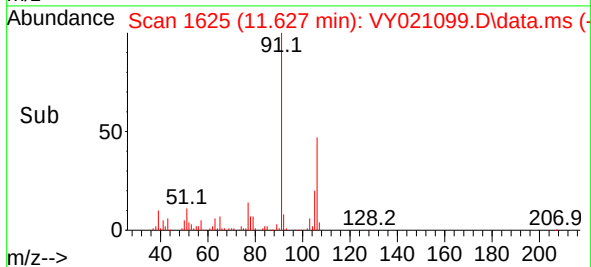
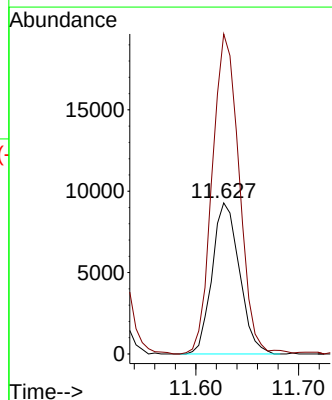
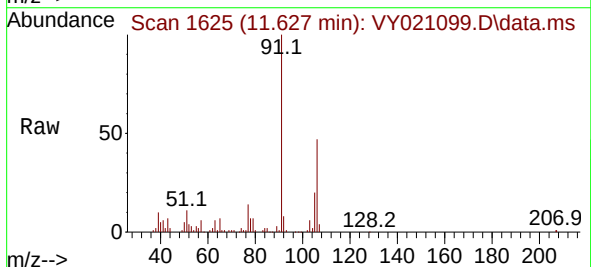
Acq: 05 Feb 2025 19:18

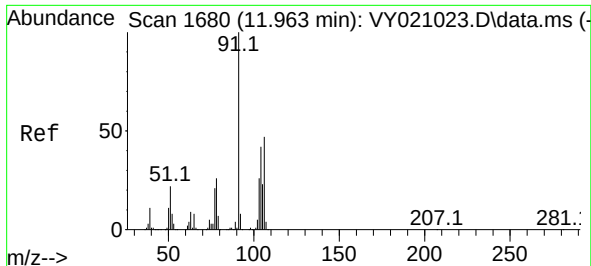
Tgt Ion:106 Resp: 17098

Ion Ratio Lower Upper

106 100

91 209.6 160.7 241.1





#69

o-Xylene

Concen: 332.771 ug/l

RT: 11.956 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

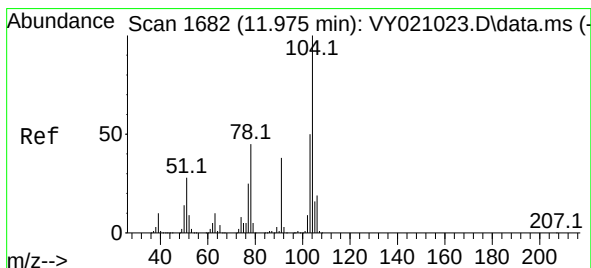
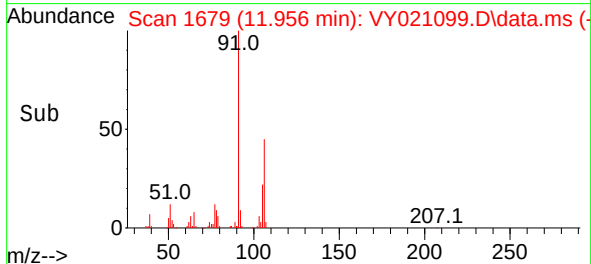
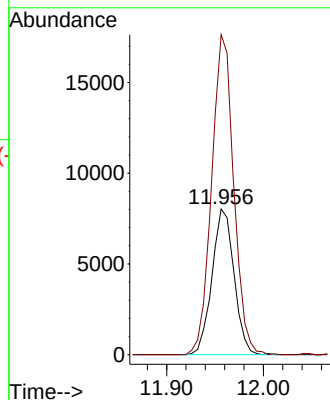
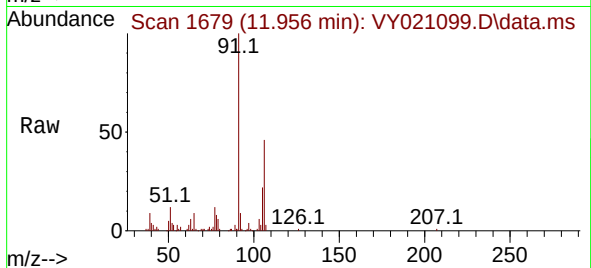
ClientSampleId :

Tgt Ion:106 Resp: 12703

Ion Ratio Lower Upper

106 100

91 220.2 106.5 319.5



#70

Styrene

Concen: 12.542 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. -0.019 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

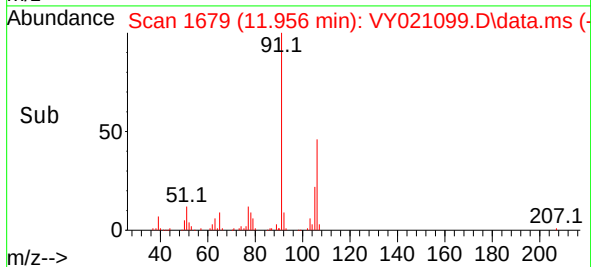
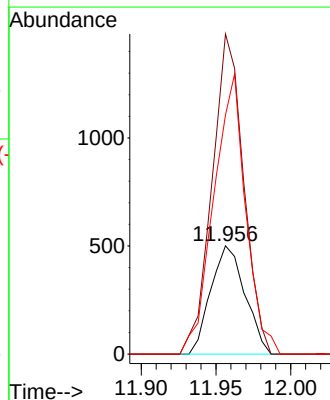
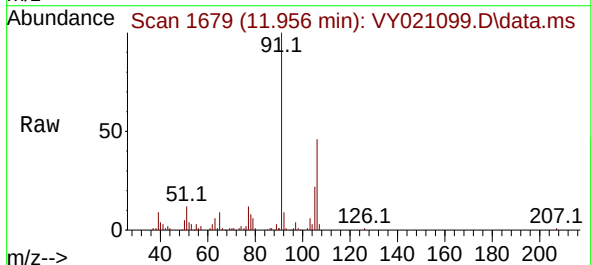
Tgt Ion:104 Resp: 798

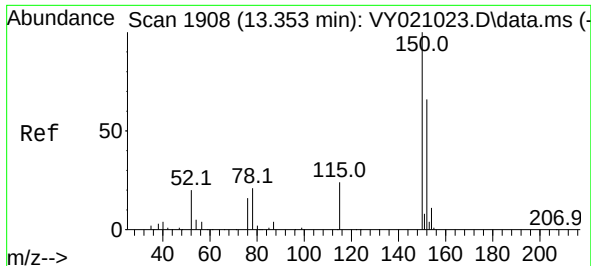
Ion Ratio Lower Upper

104 100

78 272.3 39.2 58.8#

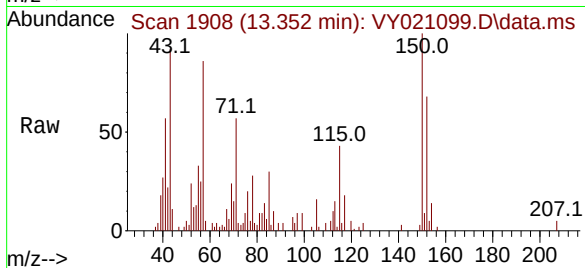
103 241.9 43.8 65.6#



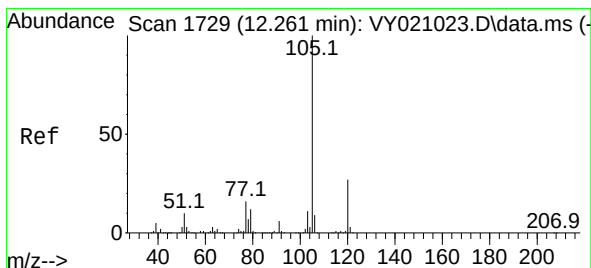
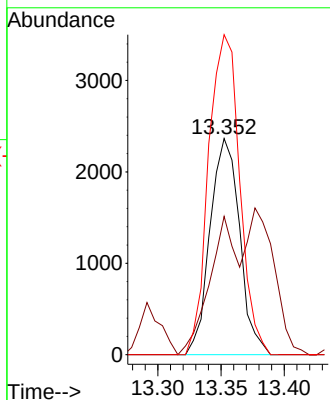
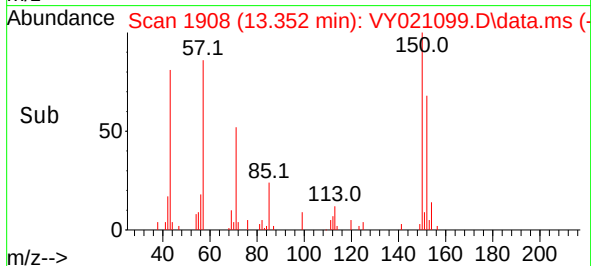


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

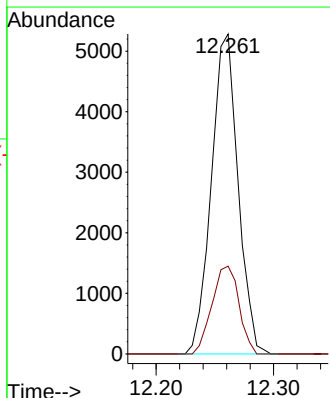
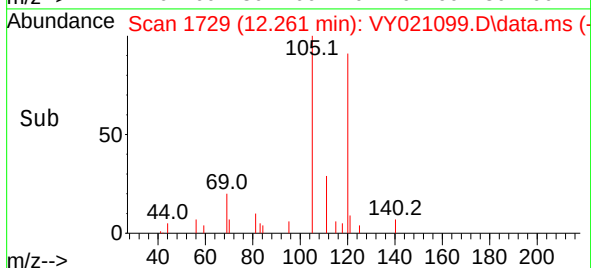
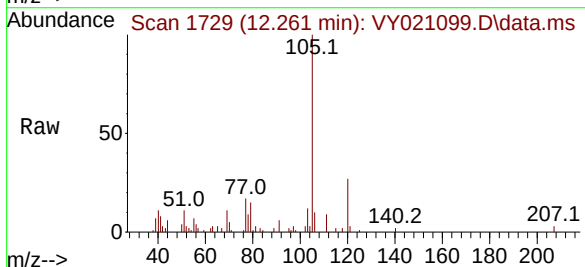


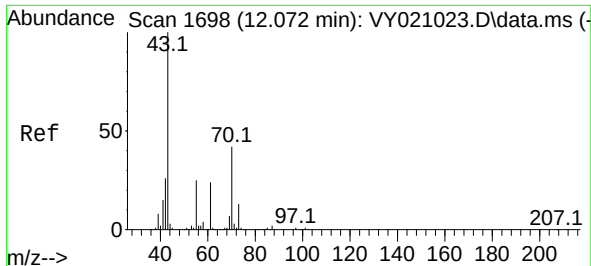
Tgt Ion:152 Resp: 3845  
Ion Ratio Lower Upper  
152 100  
115 60.1 30.0 90.0  
150 155.8 0.0 344.6



#73  
Isopropylbenzene  
Concen: 27.761 ug/l  
RT: 12.261 min Scan# 1729  
Delta R.T. -0.000 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

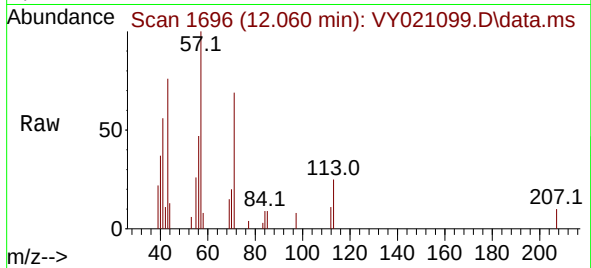
Tgt Ion:105 Resp: 8338  
Ion Ratio Lower Upper  
105 100  
120 27.6 13.0 39.0



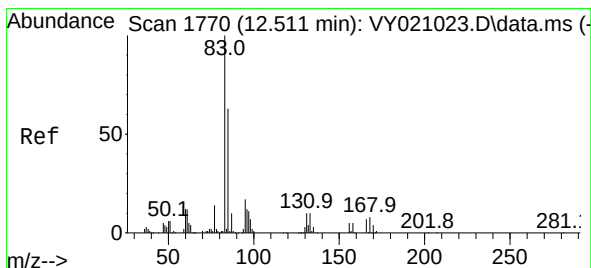
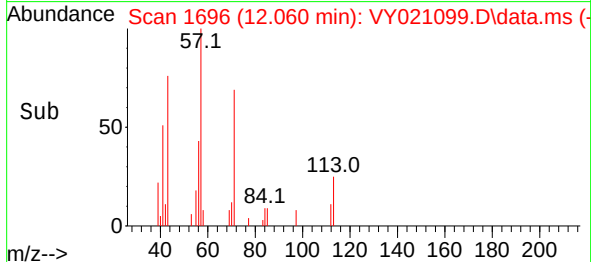
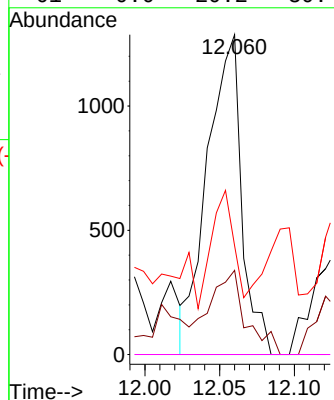


#74  
N-amyI acetate  
Concen: 31.295 ug/l  
RT: 12.060 min Scan# 1767  
Delta R.T. -0.012 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

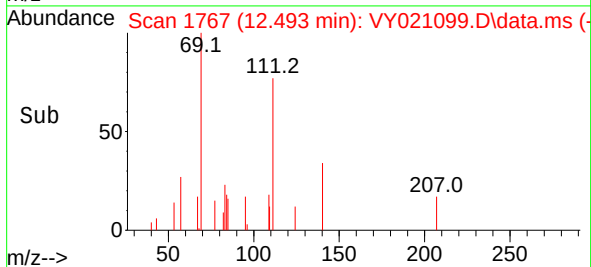
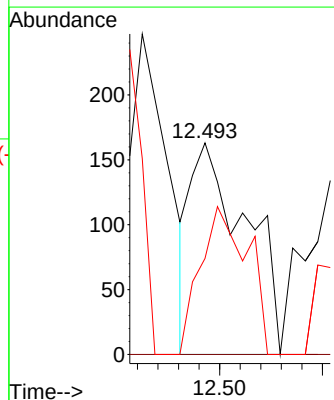
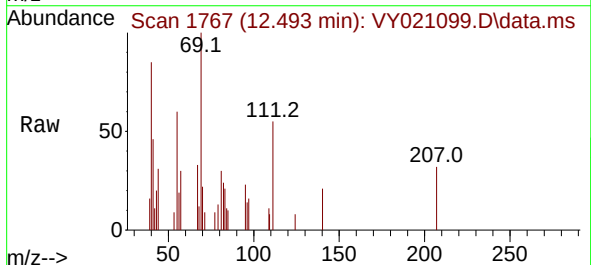


Tgt Ion: 43 Resp: 2055  
Ion Ratio Lower Upper  
43 100  
70 28.2 36.6 55.0#  
55 24.0 22.2 33.4  
61 0.0 20.2 30.4#

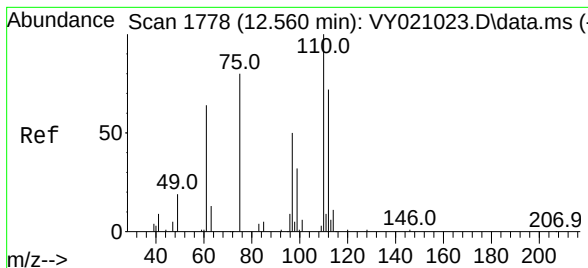


#75  
1,1,2,2-Tetrachloroethane  
Concen: 6.126 ug/l  
RT: 12.493 min Scan# 1767  
Delta R.T. -0.019 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Tgt Ion: 83 Resp: 306  
Ion Ratio Lower Upper  
83 100  
131 0.0 4.9 14.6#  
85 0.0 32.6 98.0#







#76

1,2,3-Trichloropropane

Concen: 4.645 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.042 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

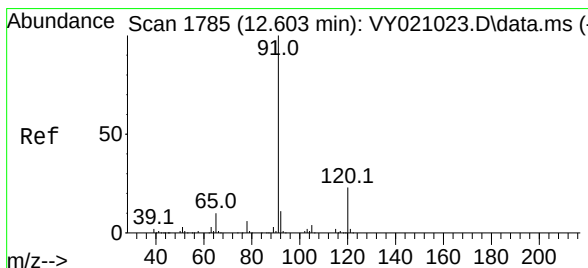
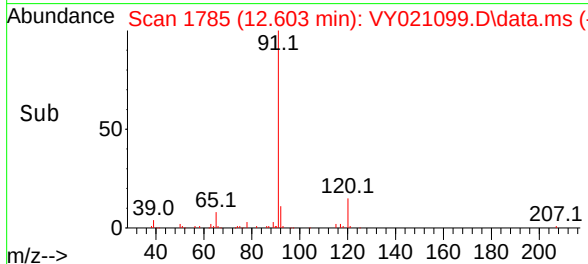
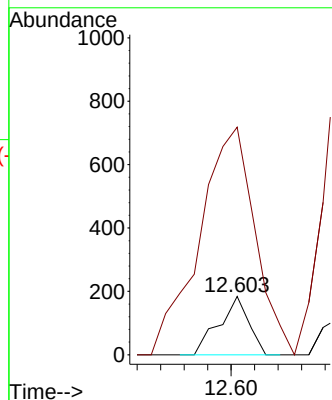
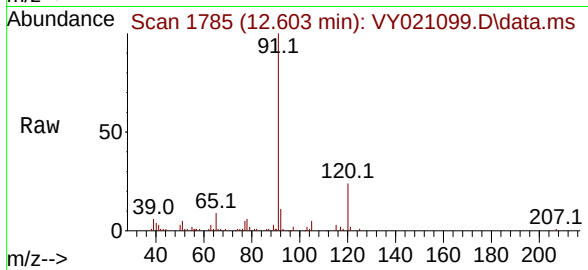
ClientSampleId :

Tgt Ion: 75 Resp: 162

Ion Ratio Lower Upper

75 100

77 730.9 0.0 0.0#



#78

n-propylbenzene

Concen: 65.701 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VY021099.D

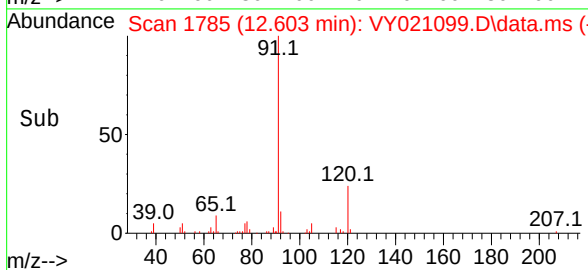
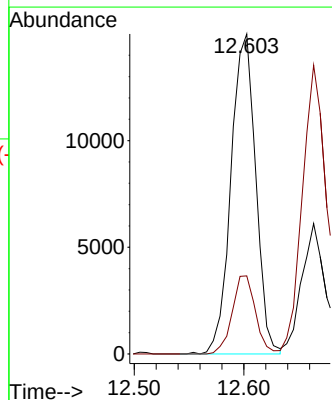
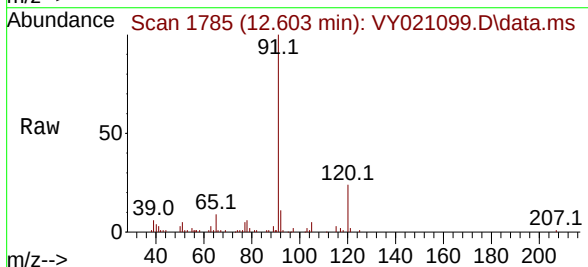
Acq: 05 Feb 2025 19:18

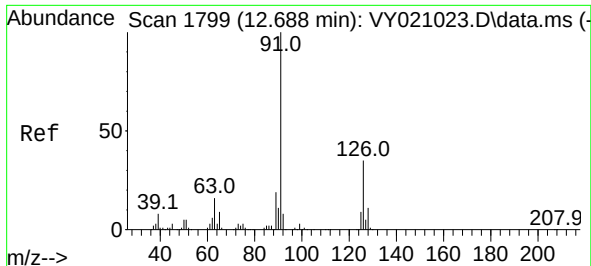
Tgt Ion: 91 Resp: 23507

Ion Ratio Lower Upper

91 100

120 22.9 11.0 33.0





#79

2-Chlorotoluene

Concen: 40.094 ug/l

RT: 12.664 min Scan# 1

Delta R.T. -0.025 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

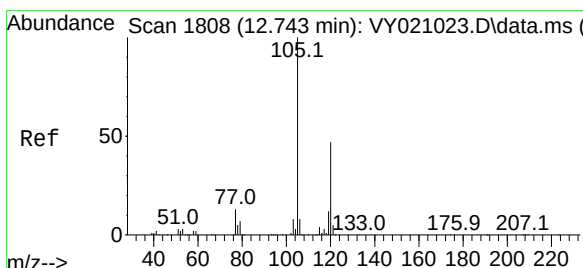
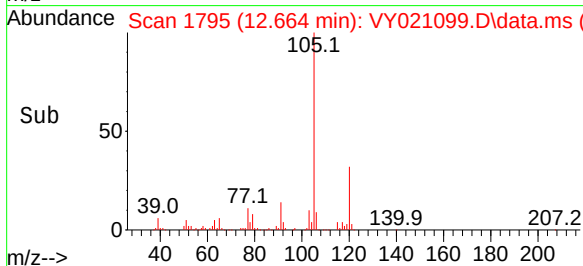
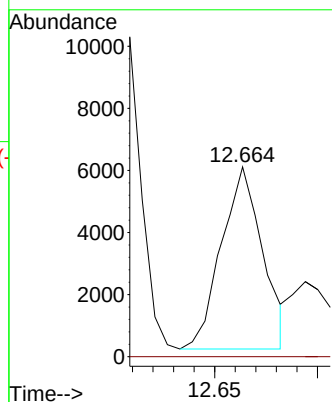
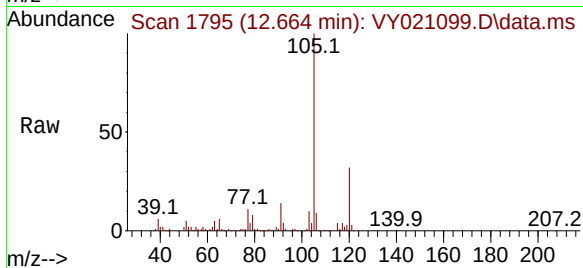
ClientSampleId :

Tgt Ion: 91 Resp: 8216

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



#80

1,3,5-Trimethylbenzene

Concen: 101.657 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY021099.D

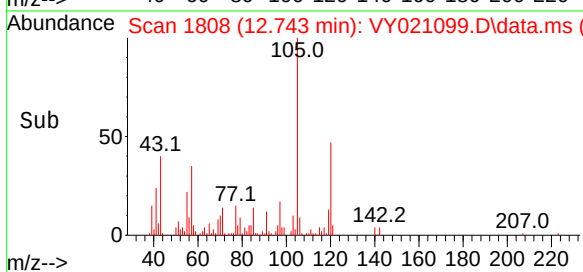
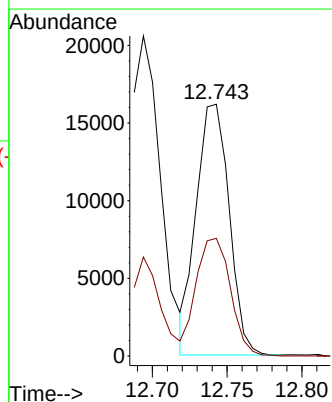
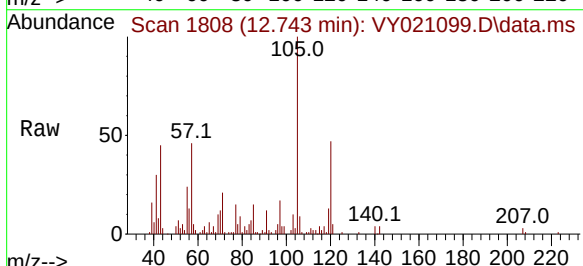
Acq: 05 Feb 2025 19:18

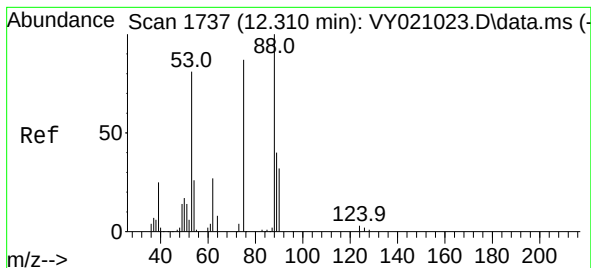
Tgt Ion:105 Resp: 24755

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8

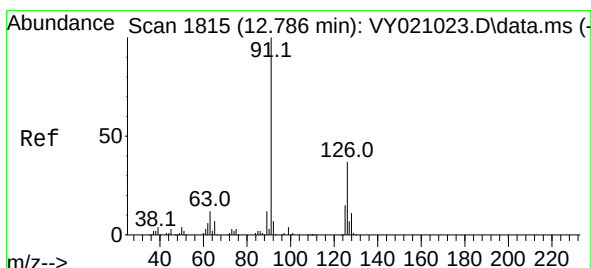
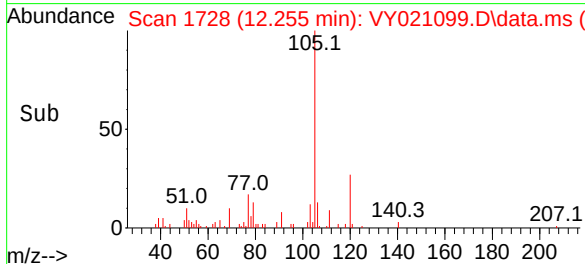
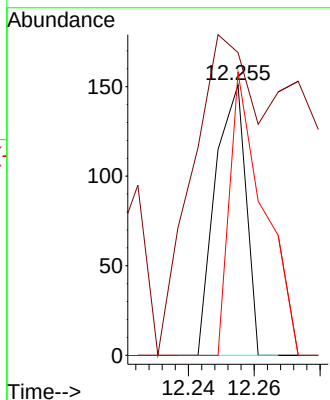
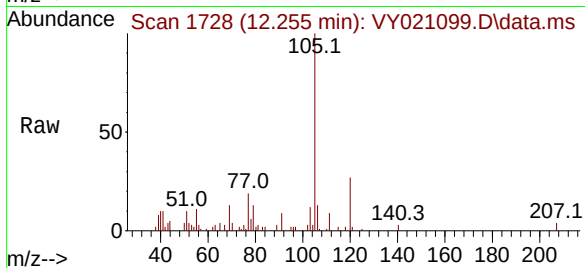




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.675 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

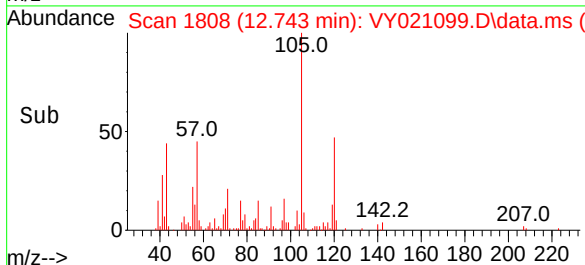
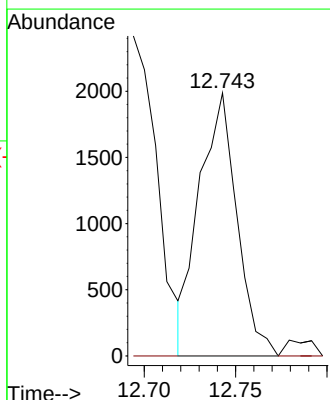
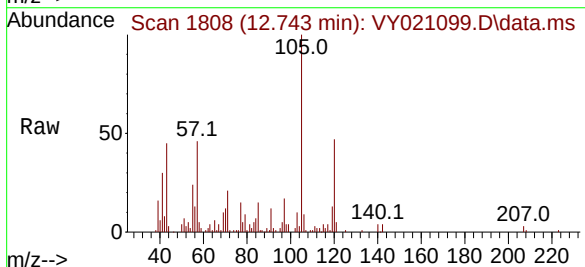
Instrument :  
MSVOA\_Y  
ClientSampleId :

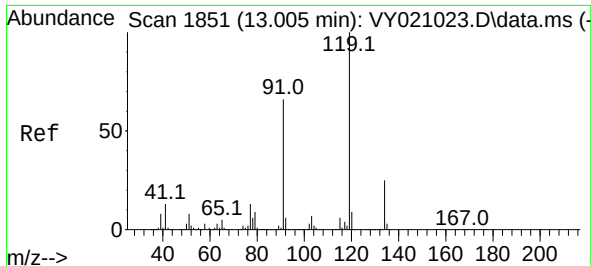
Tgt Ion: 75 Resp: 97  
Ion Ratio Lower Upper  
75 100  
53 480.4 74.0 111.0#  
89 117.5 36.5 54.7#



#82  
4-Chlorotoluene  
Concen: 13.641 ug/l  
RT: 12.743 min Scan# 1808  
Delta R.T. -0.043 min  
Lab File: VY021099.D  
Acq: 05 Feb 2025 19:18

Tgt Ion: 91 Resp: 2848  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.1 51.2#





#83

tert-Butylbenzene

Concen: 64.104 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.042 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

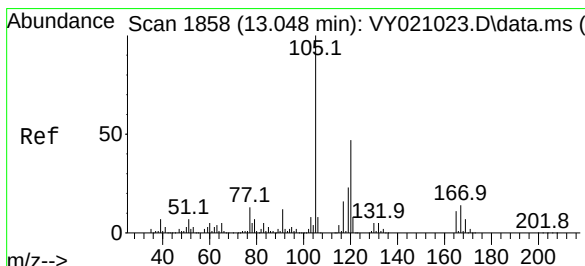
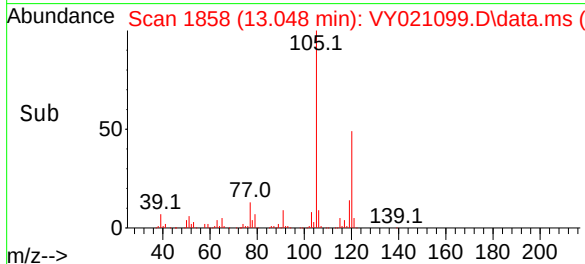
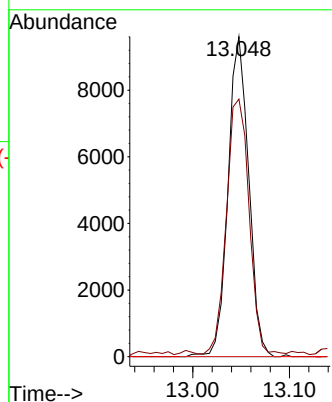
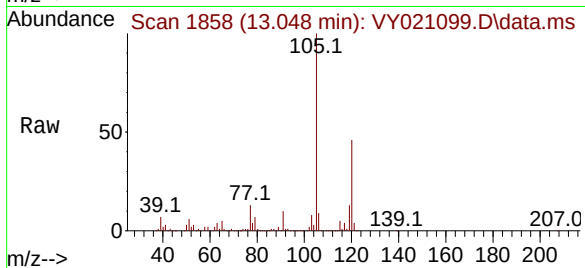
Tgt Ion:119 Resp: 14189

Ion Ratio Lower Upper

119 100

91 86.9 31.5 94.5

134 0.0 13.1 39.3#



#84

1,2,4-Trimethylbenzene

Concen: 469.026 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY021099.D

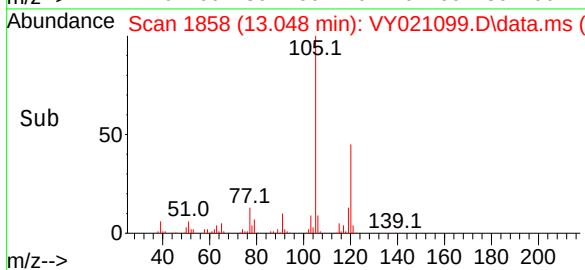
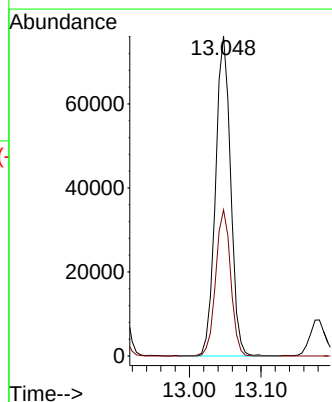
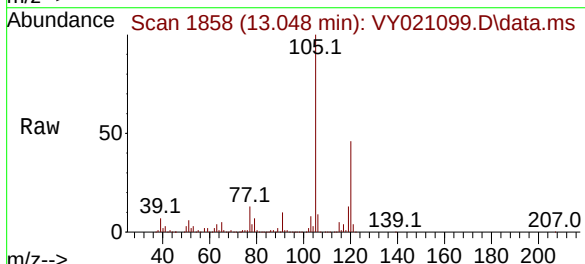
Acq: 05 Feb 2025 19:18

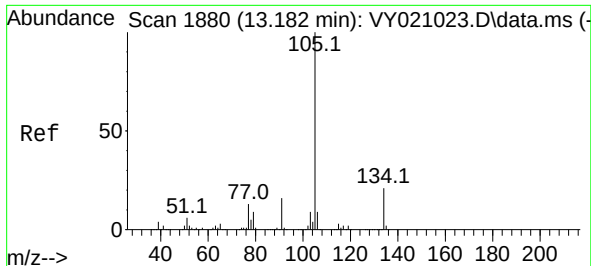
Tgt Ion:105 Resp: 111675

Ion Ratio Lower Upper

105 100

120 45.0 22.1 66.3





#85

sec-Butylbenzene

Concen: 40.936 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

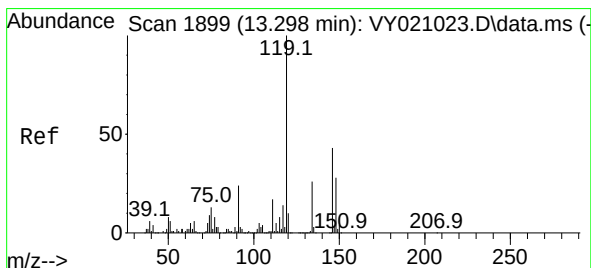
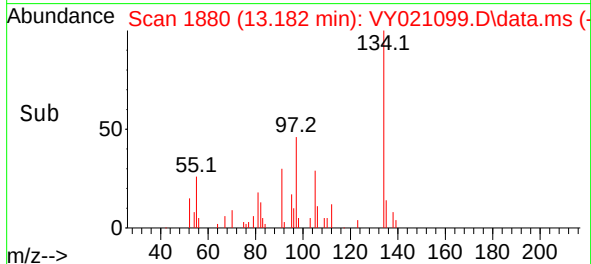
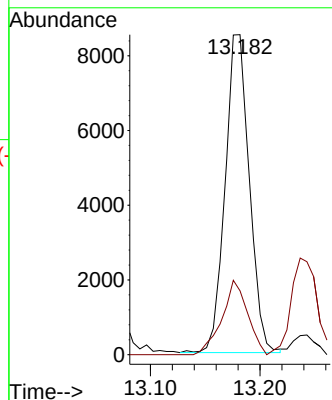
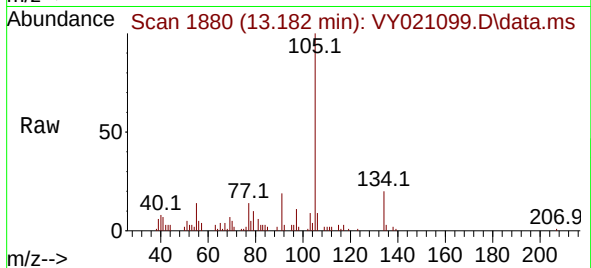
ClientSampleId :

Tgt Ion:105 Resp: 13043

Ion Ratio Lower Upper

105 100

134 24.8 9.7 28.9



#86

p-Isopropyltoluene

Concen: 27.102 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

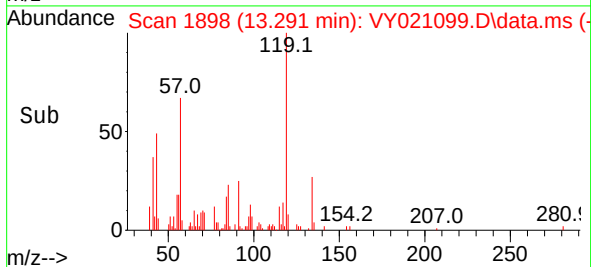
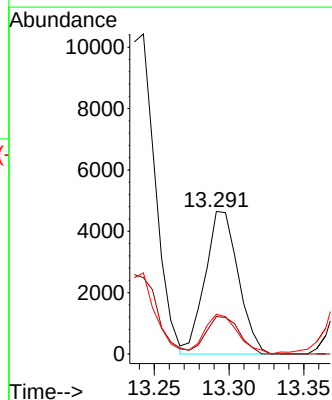
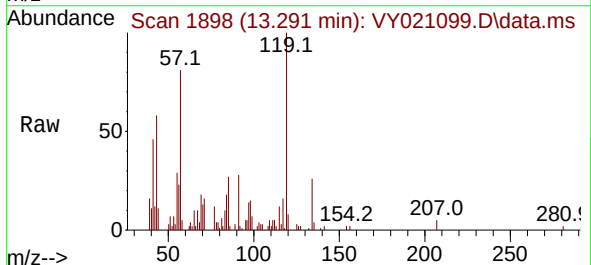
Tgt Ion:119 Resp: 7173

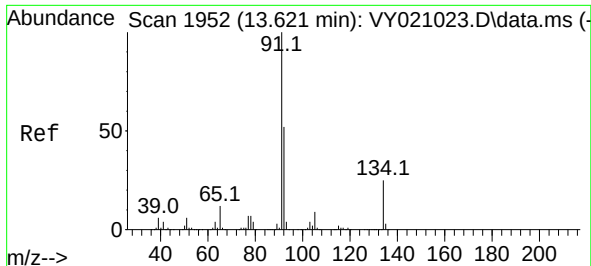
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 27.5 11.7 35.0





#89

n-Butylbenzene

Concen: 49.174 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021099.D

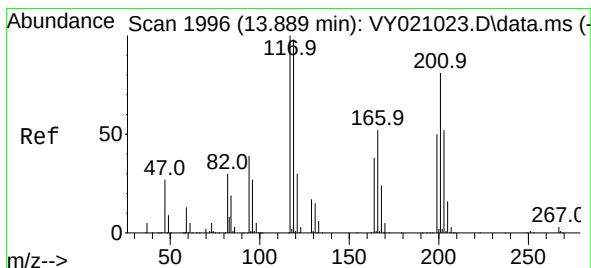
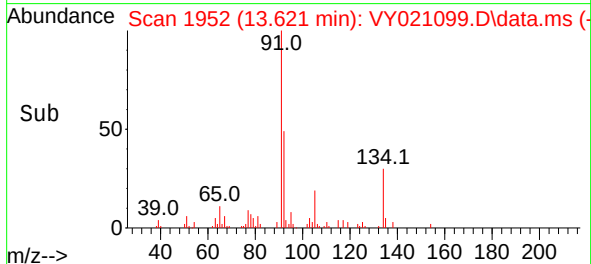
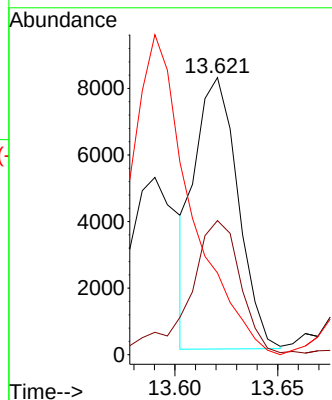
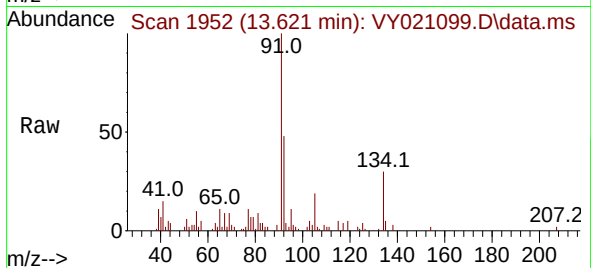
Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 11873    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 58.1 26.4 79.2 |
| 134         | 0.0 12.3 36.8# |



#90

Hexachloroethane

Concen: 79.871 ug/l

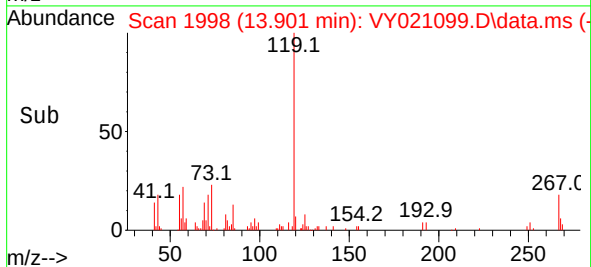
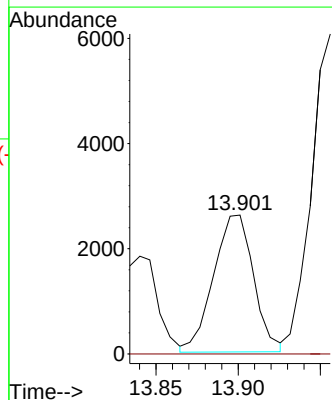
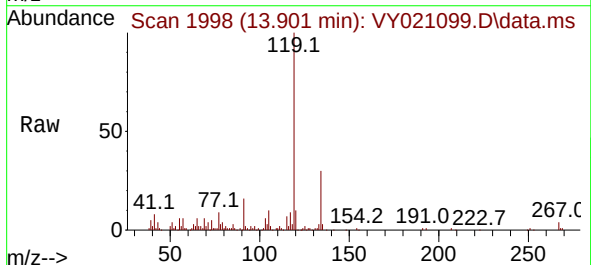
RT: 13.901 min Scan# 1998

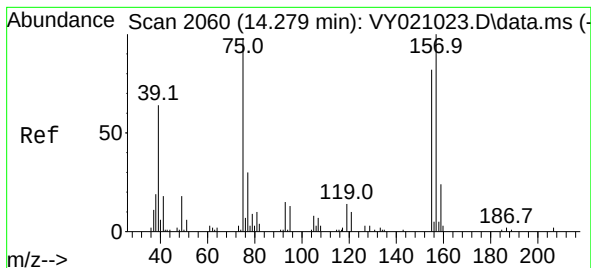
Delta R.T. 0.012 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 4410      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 0.0 33.4 100.1# |





#92

1,2-Dibromo-3-Chloropropane

Concen: 28.669 ug/l

RT: 14.304 min Scan# 2064

Delta R.T. 0.024 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

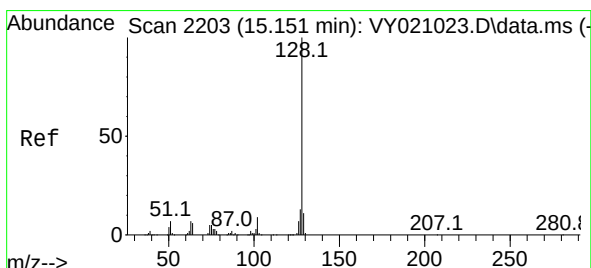
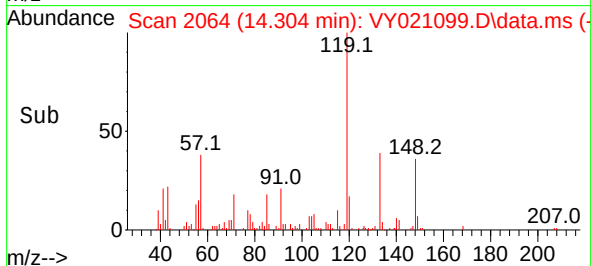
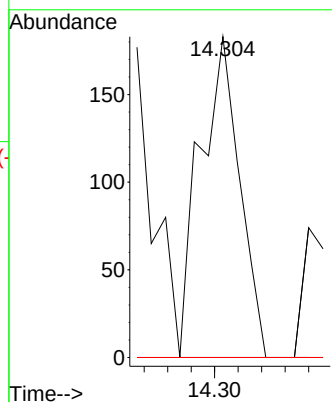
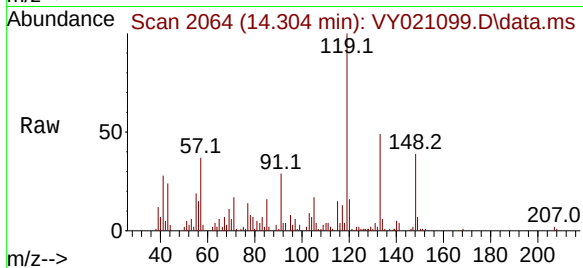
Tgt Ion: 75 Resp: 214

Ion Ratio Lower Upper

75 100

155 0.0 42.1 126.3#

157 0.0 55.8 167.4#



#95

Naphthalene

Concen: 851.607 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

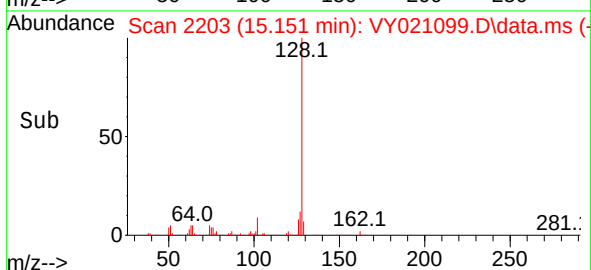
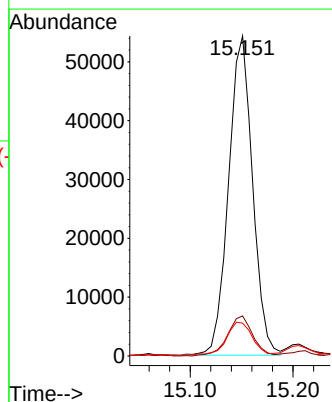
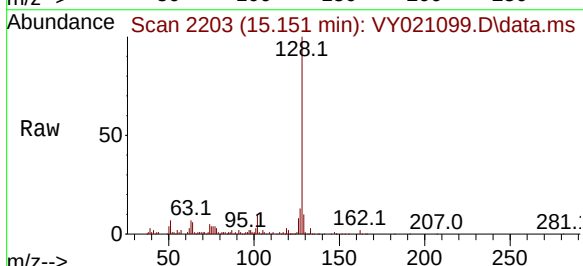
Tgt Ion: 128 Resp: 88091

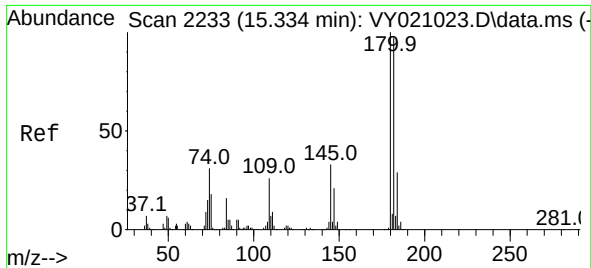
Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 12.0 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 4.869 ug/l

RT: 15.352 min Scan# 21

Delta R.T. 0.018 min

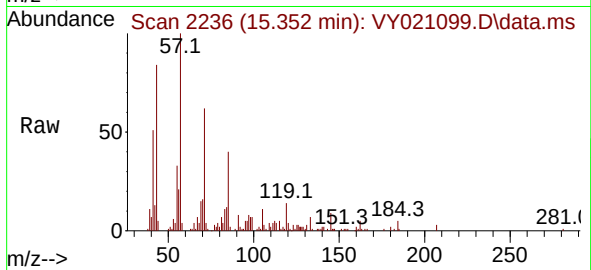
Lab File: VY021099.D

Acq: 05 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :



|           |        |       |       |
|-----------|--------|-------|-------|
| Tgt Ion:  | 180    | Resp: | 262   |
| Ion Ratio | Lower  | Upper |       |
| 180       | 100    |       |       |
| 182       | 110.3  | 46.3  | 138.8 |
| 145       | 1169.1 | 16.1  | 48.2# |

