

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120925\  
 Data File : VY023903.D  
 Acq On : 09 Dec 2025 13:08  
 Operator : SY/MD  
 Sample : Q3804-02RE  
 Misc : 4.45g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 120325-ARE

Quant Time: Dec 10 02:26:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 04 03:49:13 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.725  | 168  | 195261   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.628  | 114  | 304769   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.426 | 117  | 241237   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 82691    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 97527    | 49.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.860%  |
| 35) Dibromofluoromethane    | 7.646  | 113   | 102047   | 52.206   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.420% |
| 50) Toluene-d8              | 10.115 | 98    | 344688   | 45.315   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 90.620%  |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 94568    | 36.450   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 72.900%  |

|                               |        |     |         |           |        |     |
|-------------------------------|--------|-----|---------|-----------|--------|-----|
| Target Compounds              |        |     | Qvalue  |           |        |     |
| 5) Bromomethane               | 2.623  | 94  | 2370    | 1.366     | ug/l # | 74  |
| 10) Methyl Iodide             | 4.037  | 142 | 1524    | 3.090     | ug/l # | 81  |
| 11) Tert butyl alcohol        | 4.866  | 59  | 82      | Below Cal | #      | 74  |
| 20) Methylene Chloride        | 4.634  | 84  | 8844    | 2.417     | ug/l # | 73  |
| 29) Tetrahydrofuran           | 7.293  | 42  | 863     | 2.365     | ug/l # | 33  |
| 31) Cyclohexane               | 7.713  | 56  | 12088   | 3.304     | ug/l # | 69  |
| 36) 1,1-Dichloropropene       | 7.719  | 75  | 12830   | 4.451     | ug/l # | 54  |
| 38) Carbon Tetrachloride      | 7.725  | 117 | 17555   | 5.519     | ug/l # | 16  |
| 39) Methylcyclohexane         | 9.121  | 83  | 55821   | 14.878    | ug/l   | 93  |
| 40) Benzene                   | 8.097  | 78  | 11005   | 1.263     | ug/l   | 92  |
| 52) Toluene                   | 10.182 | 92  | 171305  | 31.399    | ug/l   | 96  |
| 55) 1,1,2-Trichloroethane     | 10.554 | 97  | 39952   | 26.502    | ug/l # | 18  |
| 56) Ethyl methacrylate        | 10.457 | 69  | 7177    | 7.141     | ug/l # | 1   |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63  | 120     | 14.835    | ug/l # | 47  |
| 59) 2-Hexanone                | 10.737 | 43  | 19831   | 20.080    | ug/l # | 29  |
| 67) Ethyl Benzene             | 11.523 | 91  | 349494  | 36.716    | ug/l   | 98  |
| 68) m/p-Xylenes               | 11.633 | 106 | 455193  | 125.110   | ug/l   | 97  |
| 69) o-Xylene                  | 11.962 | 106 | 227494  | 66.851    | ug/l   | 98  |
| 70) Styrene                   | 11.962 | 104 | 13235   | 2.359     | ug/l # | 1   |
| 73) Isopropylbenzene          | 12.261 | 105 | 123947  | 20.345    | ug/l   | 97  |
| 74) N-amyl acetate            | 12.054 | 43  | 37311   | 28.258    | ug/l # | 59  |
| 75) 1,1,2,2-Tetrachloroethane | 12.462 | 83  | 3443    | 3.503     | ug/l # | 25  |
| 76) 1,2,3-Trichloropropane    | 12.603 | 75  | 2486    | 3.033     | ug/l # | 100 |
| 78) n-propylbenzene           | 12.603 | 91  | 337765  | 45.944    | ug/l   | 97  |
| 79) 2-Chlorotoluene           | 12.664 | 91  | 106513  | 25.511    | ug/l # | 41  |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105 | 351985  | 71.103    | ug/l   | 98  |
| 81) trans-1,4-Dichloro-2-b... | 12.255 | 75  | 1781    | 5.203     | ug/l # | 47  |
| 82) 4-Chlorotoluene           | 12.743 | 91  | 34322   | 7.929     | ug/l # | 45  |
| 83) tert-Butylbenzene         | 13.048 | 119 | 150547  | 33.733    | ug/l # | 68  |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105 | 1219988 | 248.767   | ug/l   | 96  |
| 85) sec-Butylbenzene          | 13.182 | 105 | 144069  | 21.701    | ug/l   | 86  |
| 86) p-Isopropyltoluene        | 13.298 | 119 | 83562   | 15.202    | ug/l   | 98  |
| 87) 1,3-Dichlorobenzene       | 13.291 | 146 | 3028    | 1.062     | ug/l # | 1   |
| 88) 1,4-Dichlorobenzene       | 13.377 | 146 | 3661    | 1.310     | ug/l # | 1   |
| 89) n-Butylbenzene            | 13.621 | 91  | 137966  | 27.118    | ug/l # | 79  |
| 90) Hexachloroethane          | 13.895 | 117 | 30064   | 26.072    | ug/l # | 11  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120925\  
Data File : VY023903.D  
Acq On : 09 Dec 2025 13:08  
Operator : SY/MD  
Sample : Q3804-02RE  
Misc : 4.45g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

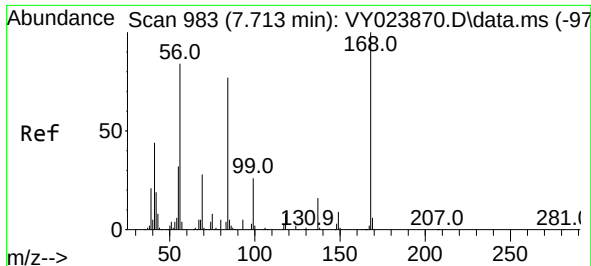
Quant Time: Dec 10 02:26:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 04 03:49:13 2025  
Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 2866     | 1.156  | ug/l # | 1        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.261 | 75   | 1493     | 9.660  | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 4019     | 2.734  | ug/l # | 1        |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 1486     | 1.611  | ug/l   | 88       |
| 95) Naphthalene               | 15.151 | 128  | 60722    | 25.065 | ug/l # | 92       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 7330     | 5.843  | ug/l # | 1        |

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

Quant Time: Dec 10 02:26:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 04 03:49:13 2025  
Response via : Initial Calibration

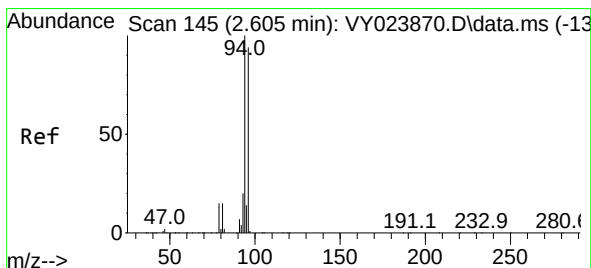
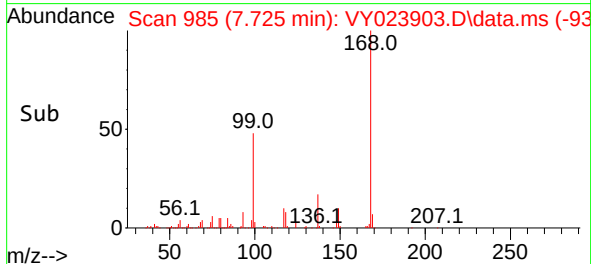
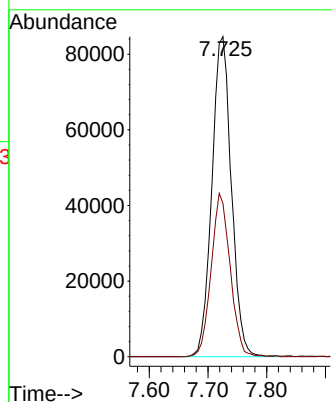
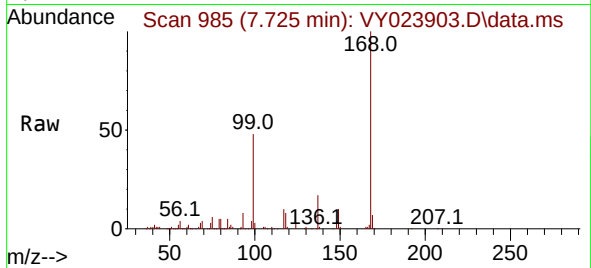




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.725 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

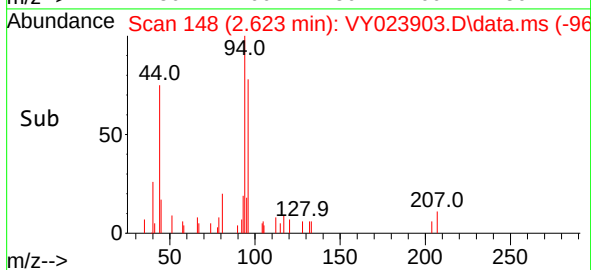
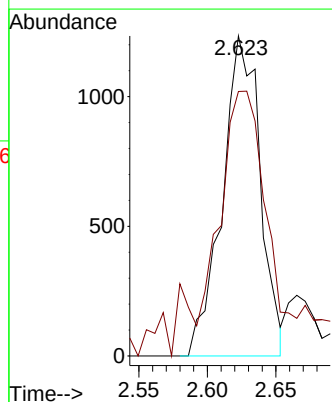
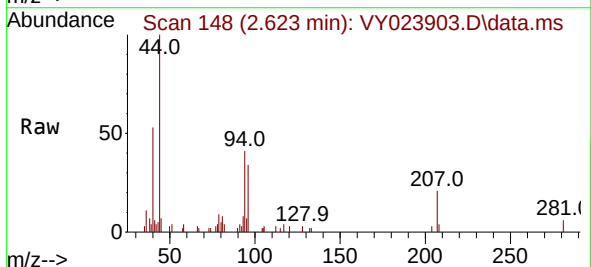
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

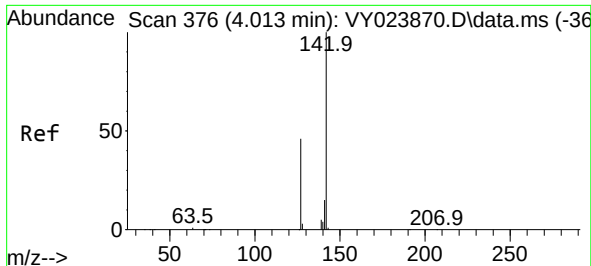
Tgt Ion:168 Resp: 195261  
Ion Ratio Lower Upper  
168 100  
99 47.9 42.5 63.7



#5  
Bromomethane  
Concen: 1.366 ug/l  
RT: 2.623 min Scan# 148  
Delta R.T. 0.018 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

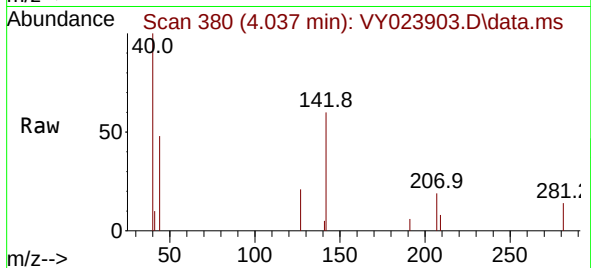
Tgt Ion: 94 Resp: 2370  
Ion Ratio Lower Upper  
94 100  
96 69.0 75.2 112.8#



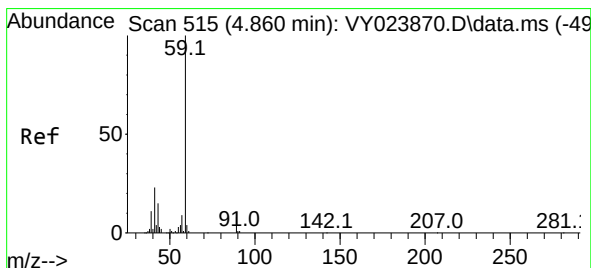
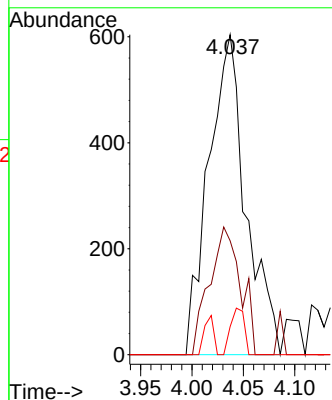
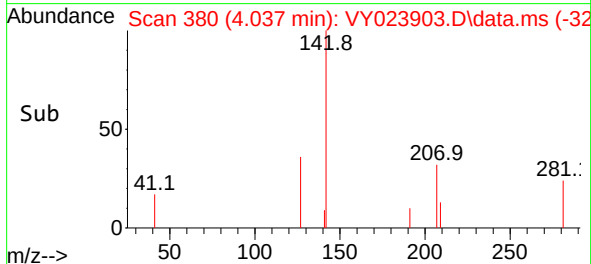


#10  
Methyl Iodide  
Concen: 3.090 ug/l  
RT: 4.037 min Scan# 31  
Delta R.T. 0.024 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

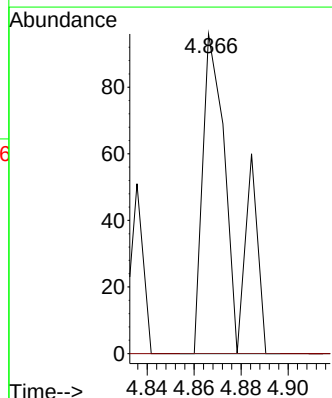
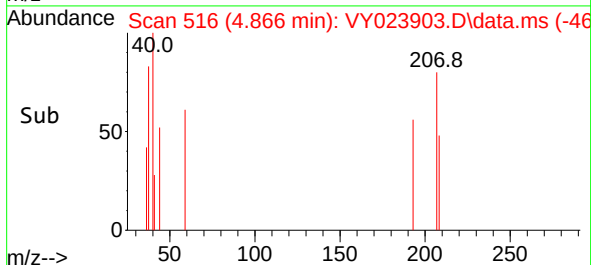
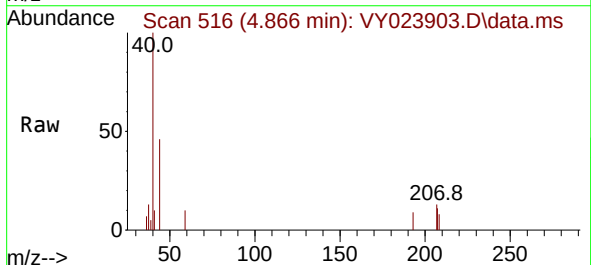


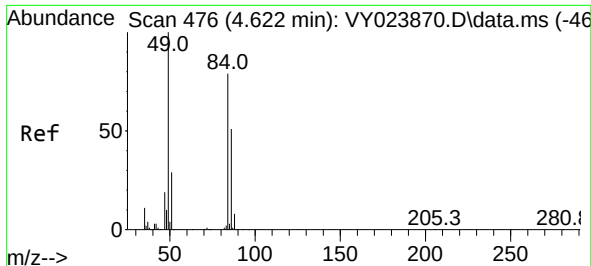
Tgt Ion:142 Resp: 1524  
Ion Ratio Lower Upper  
142 100  
127 33.4 36.1 54.1#  
141 5.4 11.8 17.8#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.866 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 59 Resp: 82  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

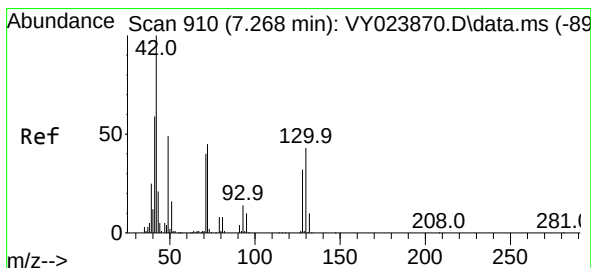
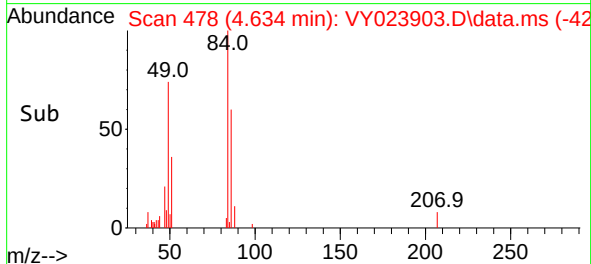
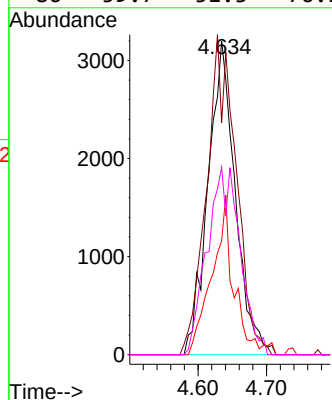
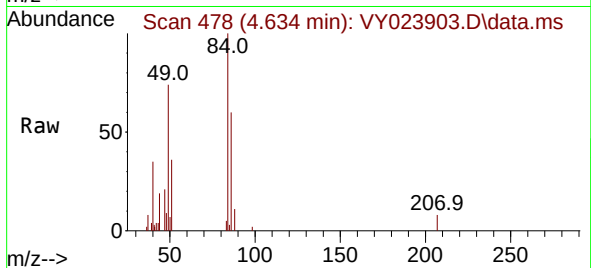




#20  
Methylene Chloride  
Concen: 2.417 ug/l  
RT: 4.634 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

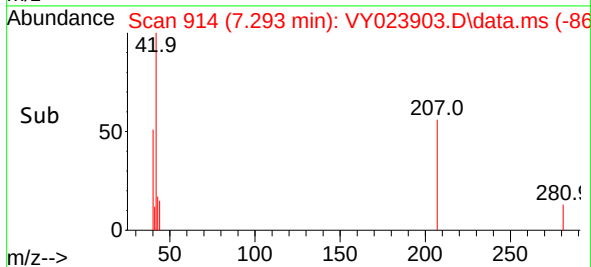
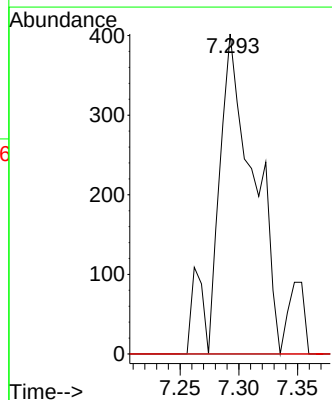
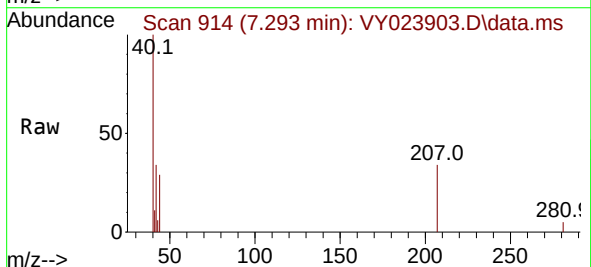
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

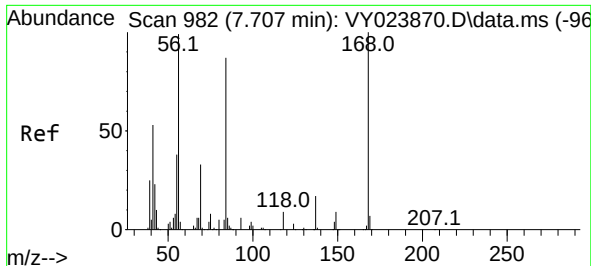
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 8844   |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 74.0     | 100.6 151.0# |
| 51 36.2     | 29.0 43.6    |
| 86 59.7     | 51.3 76.9    |



#29  
Tetrahydrofuran  
Concen: 2.365 ug/l  
RT: 7.293 min Scan# 914  
Delta R.T. 0.024 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 42 | Resp: | 863   |       |
| Ion         | Ratio | Lower | Upper |
| 42          | 100   |       |       |
| 72          | 0.0   | 35.6  | 53.4# |
| 71          | 0.0   | 32.5  | 48.7# |

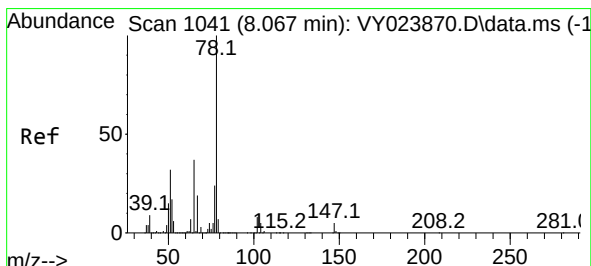
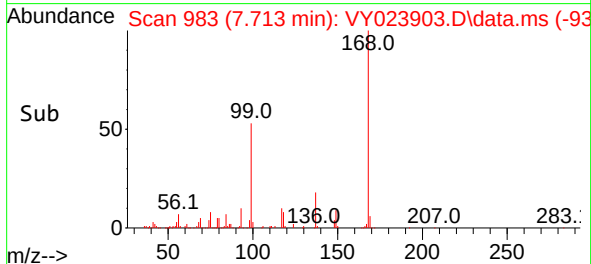
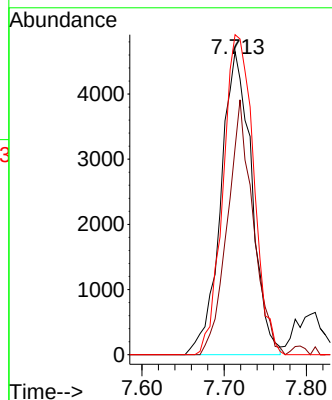
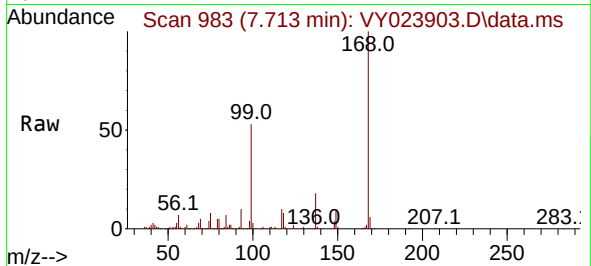




#31  
Cyclohexane  
Concen: 3.304 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

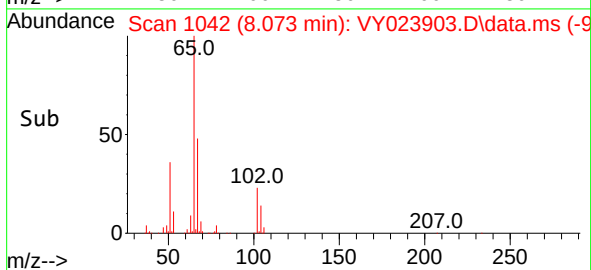
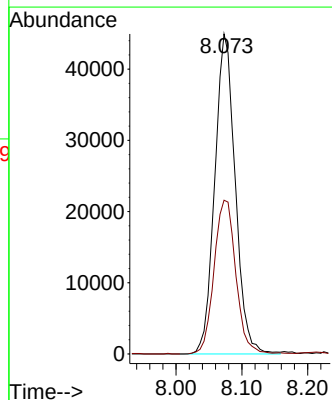
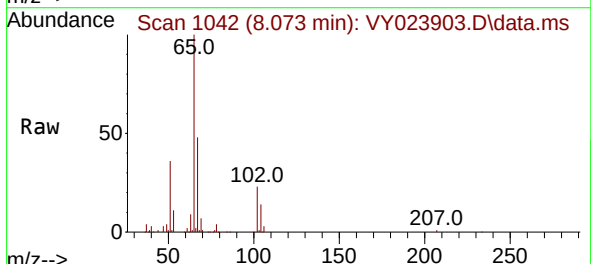
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

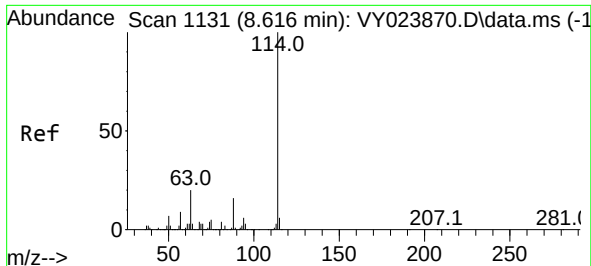
Tgt Ion: 56 Resp: 12088  
Ion Ratio Lower Upper  
56 100  
69 68.3 26.8 40.2#  
84 105.6 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 49.929 ug/l  
RT: 8.073 min Scan# 1042  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 65 Resp: 97527  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 107.2

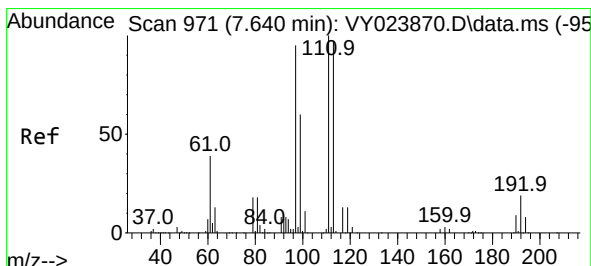
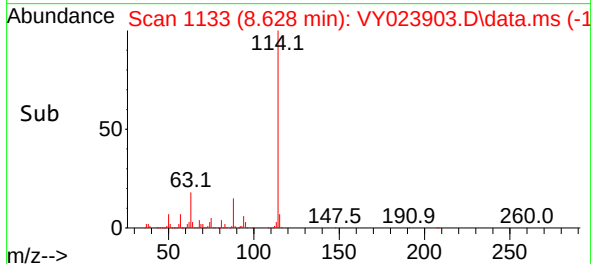
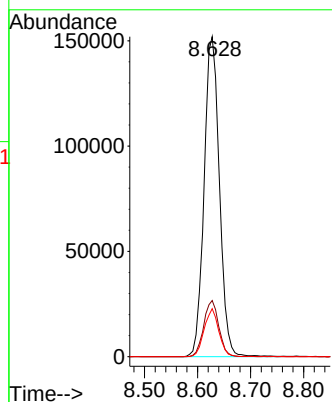
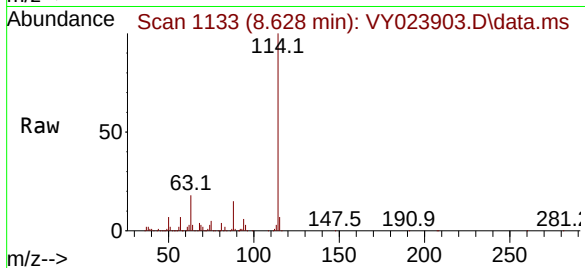




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.628 min Scan# 1133  
Delta R.T. 0.012 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

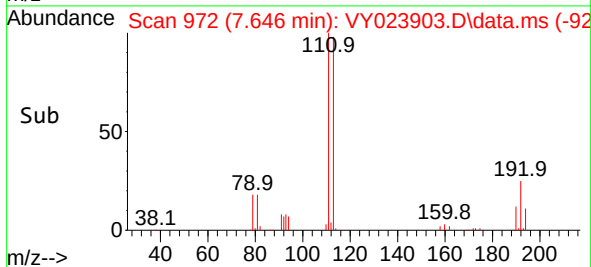
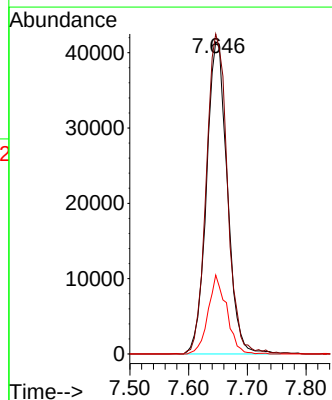
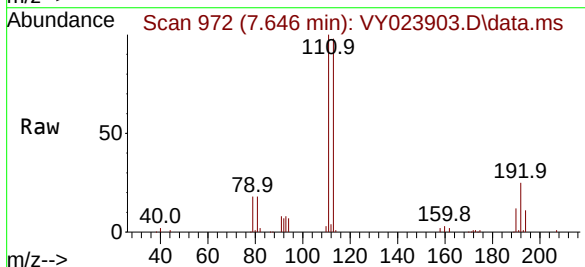
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

Tgt Ion:114 Resp: 304769  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 39.2  
88 15.0 0.0 31.4

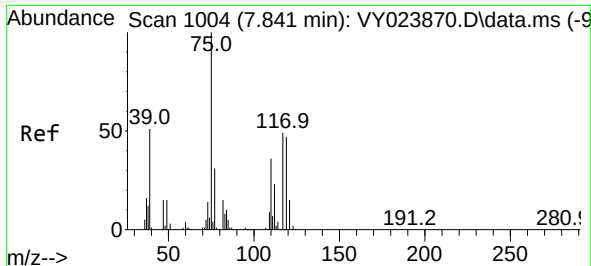


#35  
Dibromofluoromethane  
Concen: 52.206 ug/l  
RT: 7.646 min Scan# 972  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion:113 Resp: 102047  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.2 123.2  
192 22.5 15.8 23.8







#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Instrument :

MSVOA\_Y

ClientSampleId :

120325-ARE

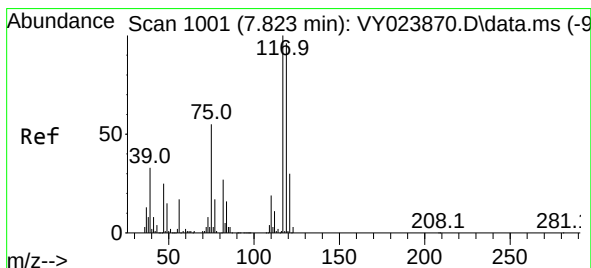
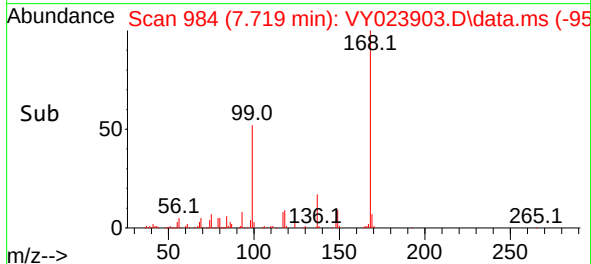
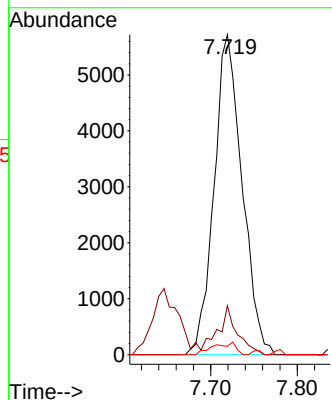
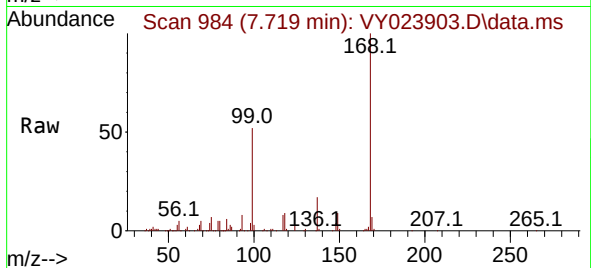
Tgt Ion: 75 Resp: 12830

Ion Ratio Lower Upper

75 100

110 10.8 17.6 52.9#

77 3.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.519 ug/l

RT: 7.725 min Scan# 985

Delta R.T. -0.098 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

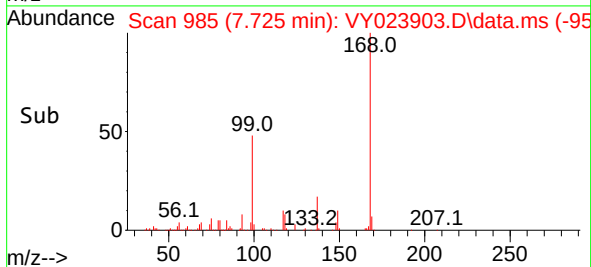
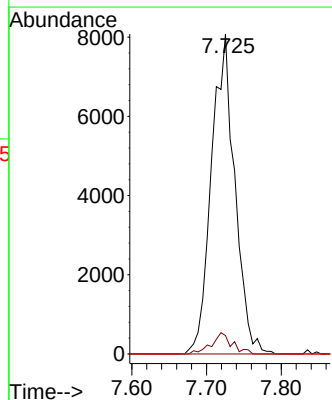
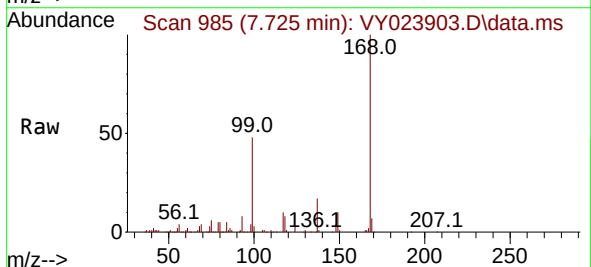
Tgt Ion: 117 Resp: 17555

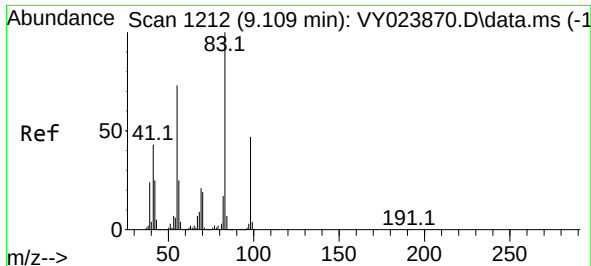
Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.6#

121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 14.878 ug/l

RT: 9.121 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Instrument :

MSVOA\_Y

ClientSampleId :

120325-ARE

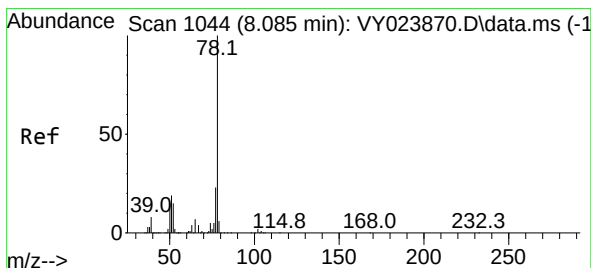
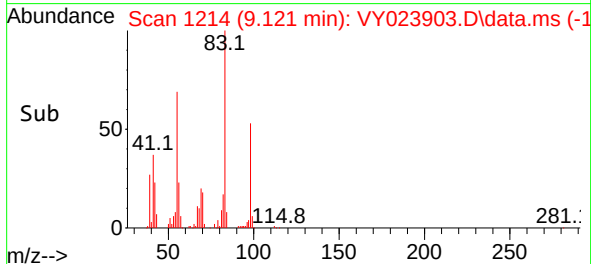
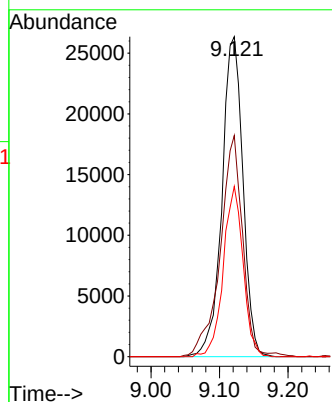
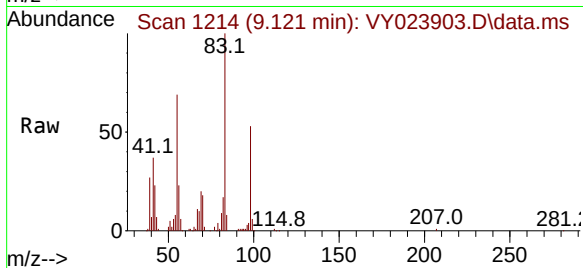
Tgt Ion: 83 Resp: 55821

Ion Ratio Lower Upper

83 100

55 69.1 58.8 88.2

98 53.2 37.8 56.6



#40

Benzene

Concen: 1.263 ug/l

RT: 8.097 min Scan# 1046

Delta R.T. 0.012 min

Lab File: VY023903.D

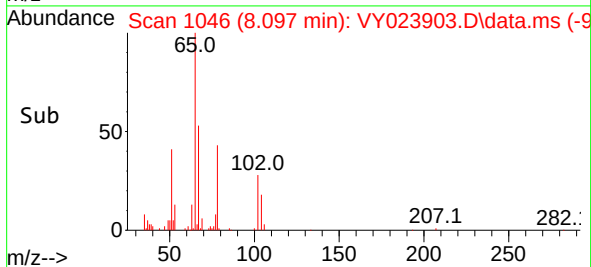
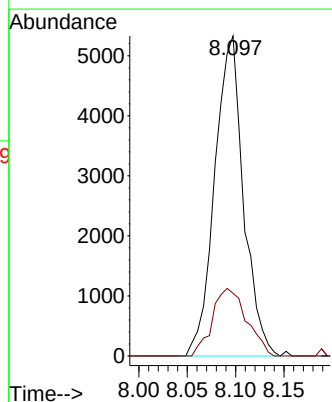
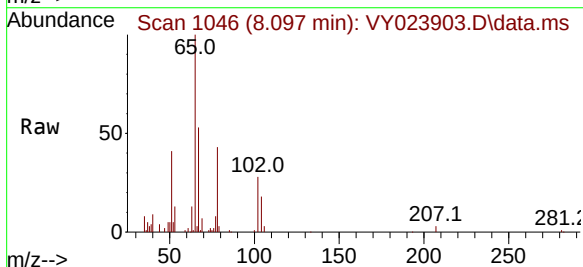
Acq: 09 Dec 2025 13:08

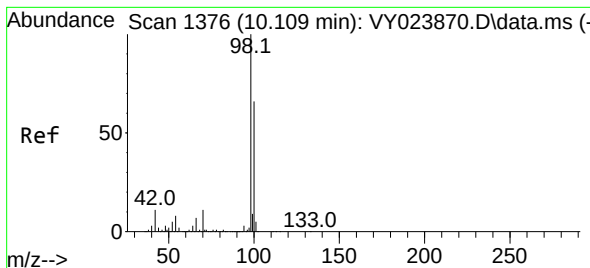
Tgt Ion: 78 Resp: 11005

Ion Ratio Lower Upper

78 100

77 19.6 18.6 28.0





#50

Toluene-d8

Concen: 45.315 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Instrument :

MSVOA\_Y

ClientSampleId :

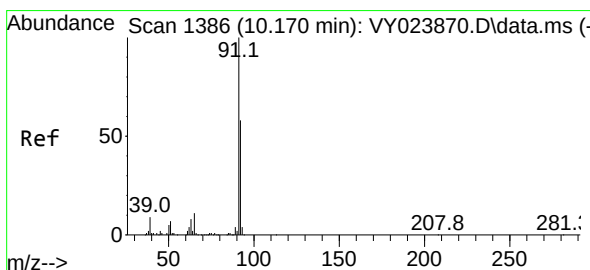
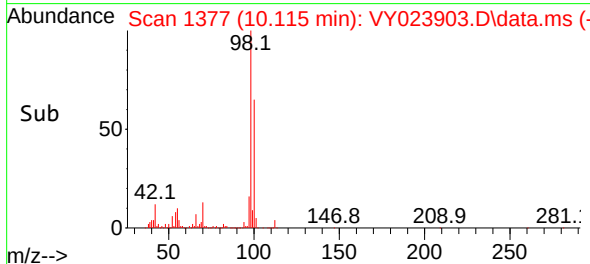
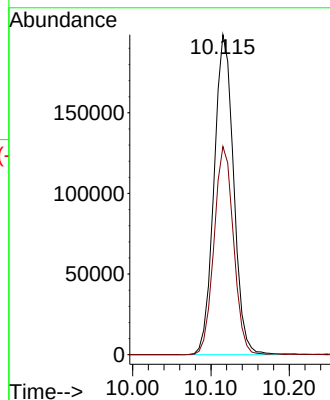
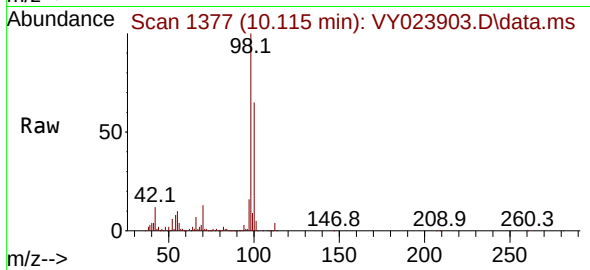
120325-ARE

Tgt Ion: 98 Resp: 344688

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7



#52

Toluene

Concen: 31.399 ug/l

RT: 10.182 min Scan# 1388

Delta R.T. 0.012 min

Lab File: VY023903.D

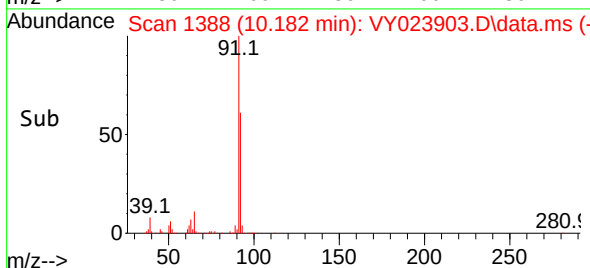
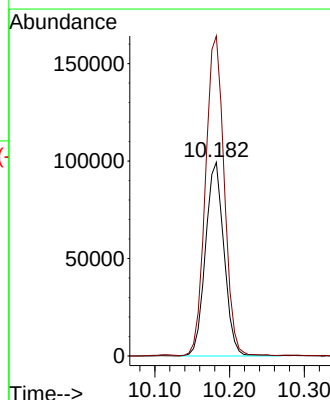
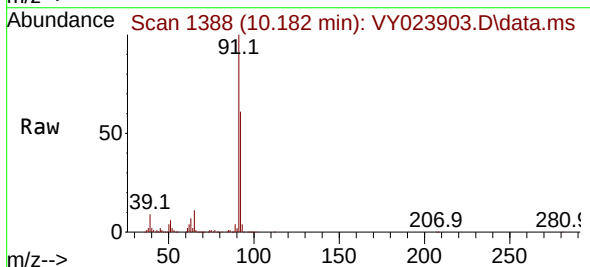
Acq: 09 Dec 2025 13:08

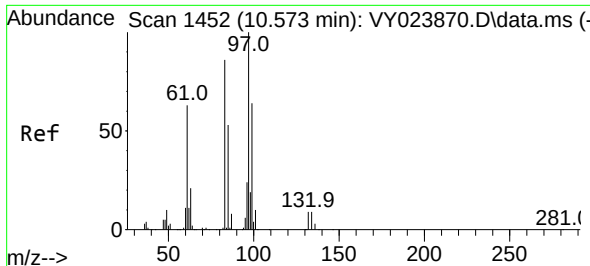
Tgt Ion: 92 Resp: 171305

Ion Ratio Lower Upper

92 100

91 166.1 137.3 205.9

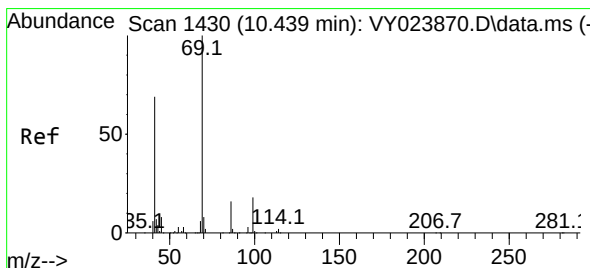
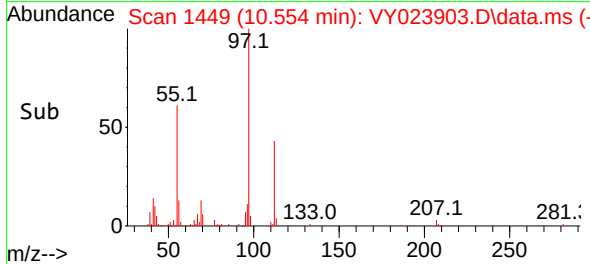
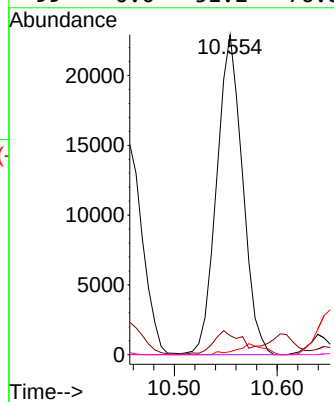
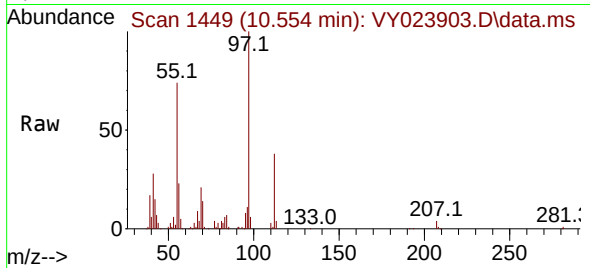




#55  
1,1,2-Trichloroethane  
Concen: 26.502 ug/l  
RT: 10.554 min Scan# 1452  
Delta R.T. -0.019 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

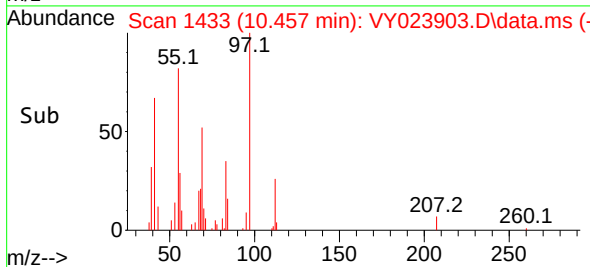
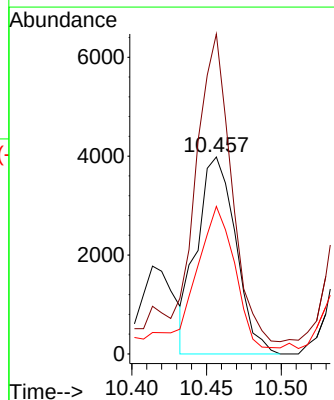
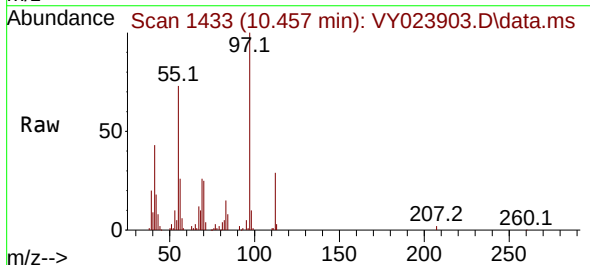
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

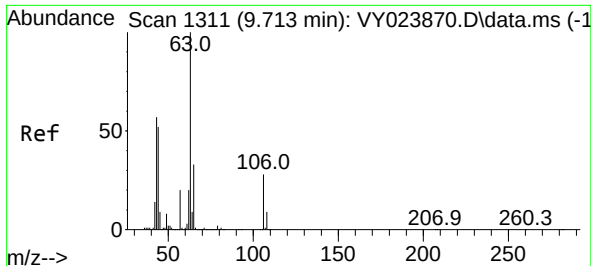
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 39952 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 6.0      | 69.0 103.4# |
| 85 1.0      | 42.6 63.8#  |
| 99 0.0      | 51.2 76.8#  |



#56  
Ethyl methacrylate  
Concen: 7.141 ug/l  
RT: 10.457 min Scan# 1433  
Delta R.T. 0.018 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 7177  |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 152.4    | 52.5 78.7#  |
| 39 79.0     | 27.1 40.7#  |

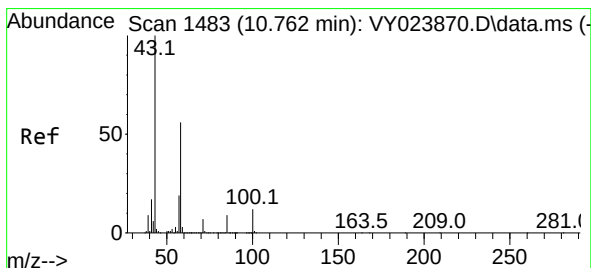
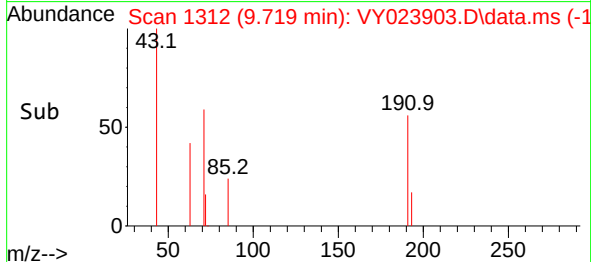
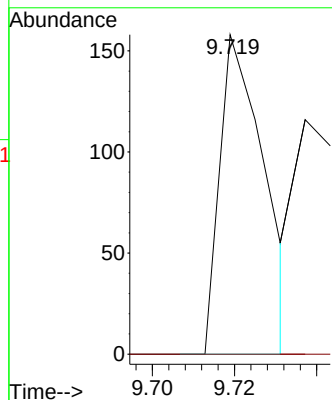
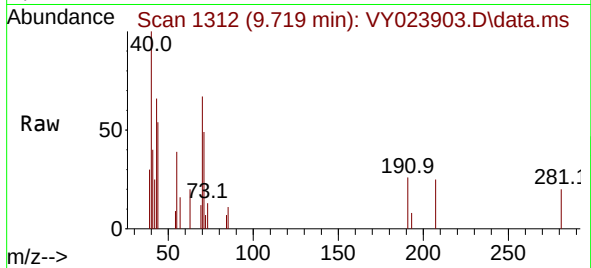




#58  
2-Chloroethyl Vinyl ether  
Concen: 14.835 ug/l  
RT: 9.719 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

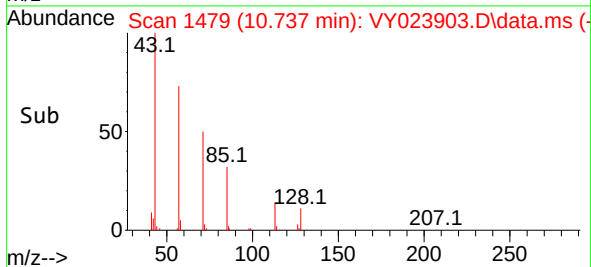
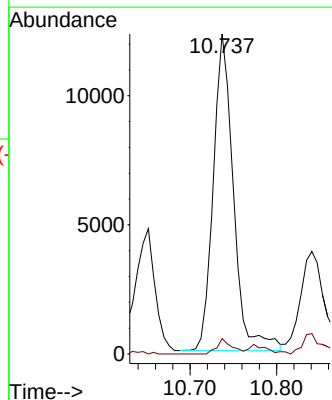
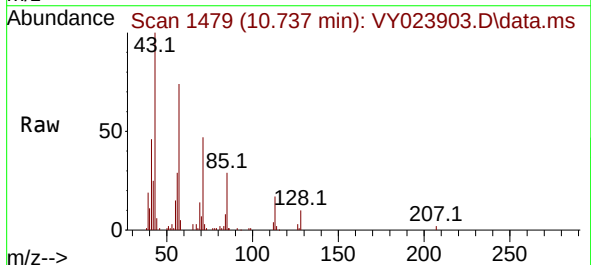
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

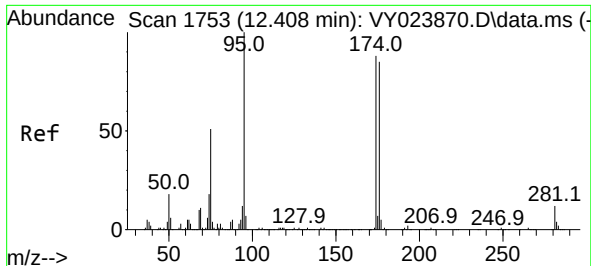
Tgt Ion: 63 Resp: 120  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.5 33.7#



#59  
2-Hexanone  
Concen: 20.080 ug/l  
RT: 10.737 min Scan# 1479  
Delta R.T. -0.025 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 43 Resp: 19831  
Ion Ratio Lower Upper  
43 100  
58 3.6 27.7 83.1#

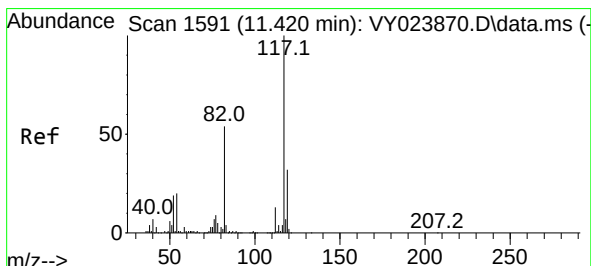
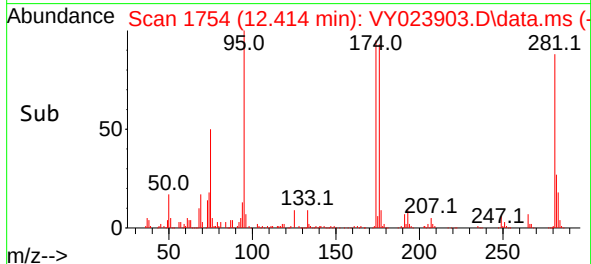
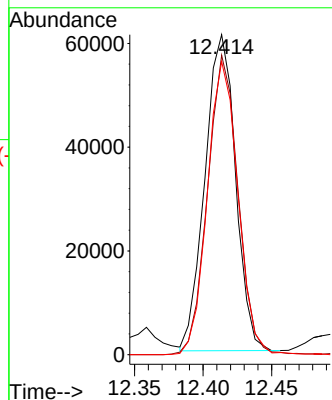
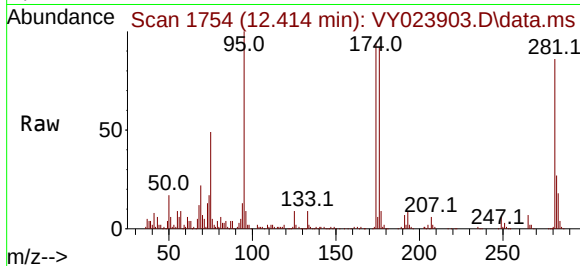




#62  
4-Bromofluorobenzene  
Concen: 36.450 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

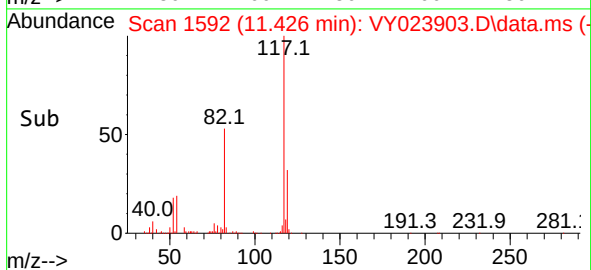
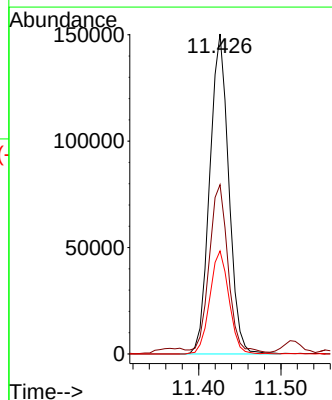
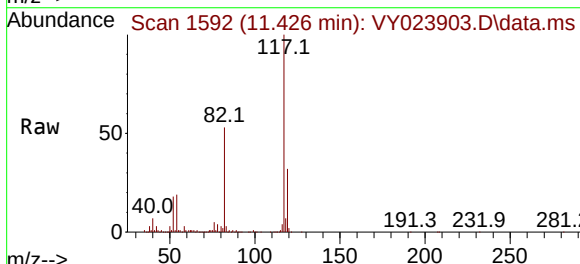
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

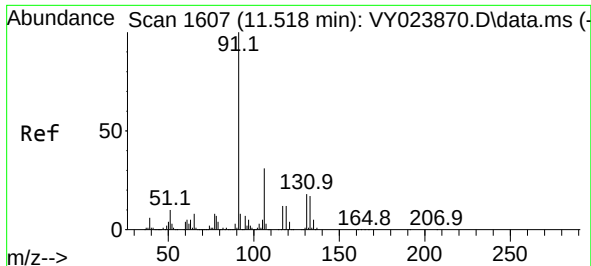
Tgt Ion: 95 Resp: 94568  
Ion Ratio Lower Upper  
95 100  
174 94.2 0.0 169.6  
176 92.7 0.0 164.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.426 min Scan# 1592  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 117 Resp: 241237  
Ion Ratio Lower Upper  
117 100  
82 51.1 43.1 64.7  
119 32.2 26.0 39.0





#67

Ethyl Benzene

Concen: 36.716 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Instrument :

MSVOA\_Y

ClientSampleId :

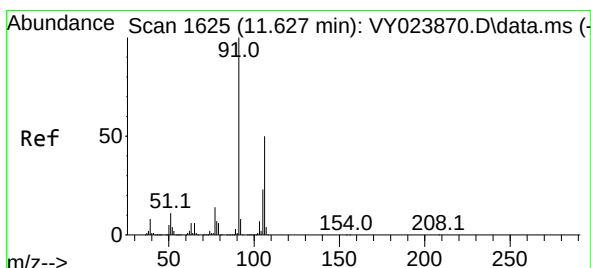
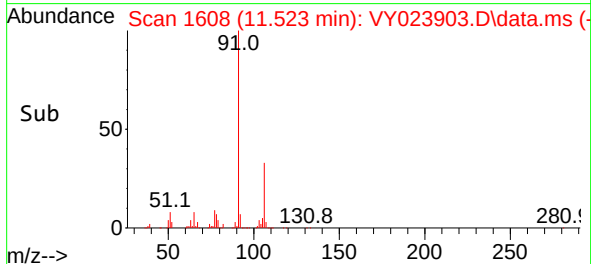
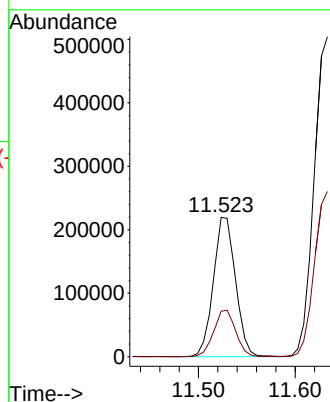
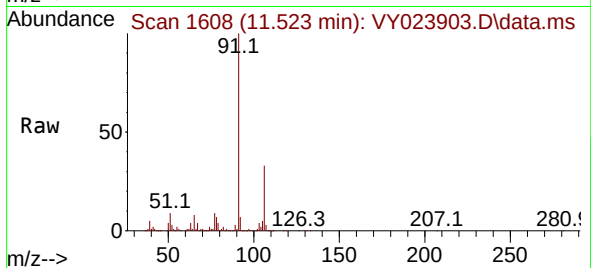
120325-ARE

Tgt Ion: 91 Resp: 349494

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.6



#68

m/p-Xylenes

Concen: 125.110 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY023903.D

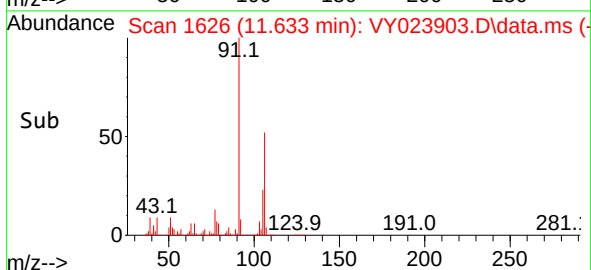
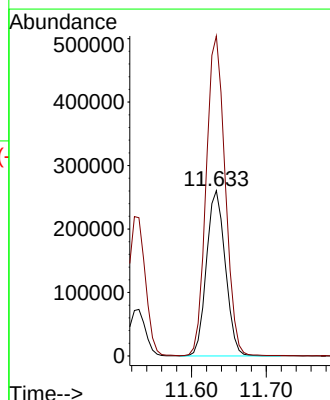
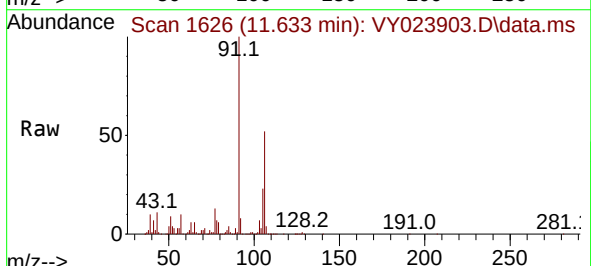
Acq: 09 Dec 2025 13:08

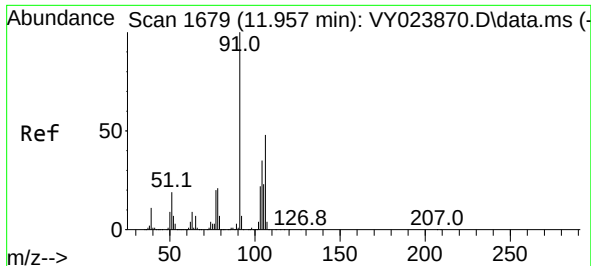
Tgt Ion:106 Resp: 455193

Ion Ratio Lower Upper

106 100

91 195.2 159.7 239.5

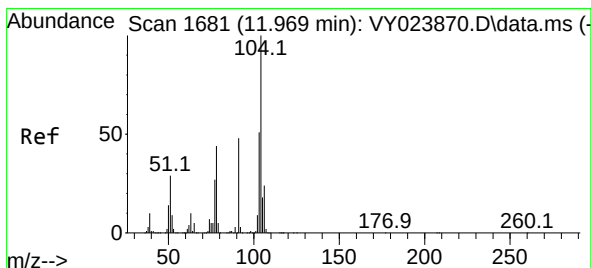
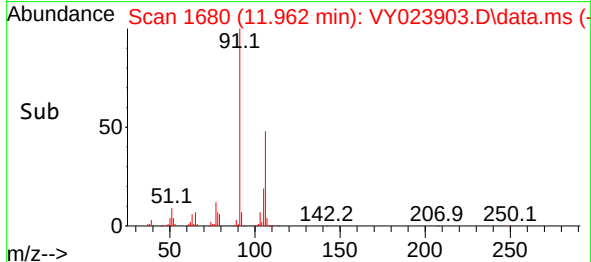
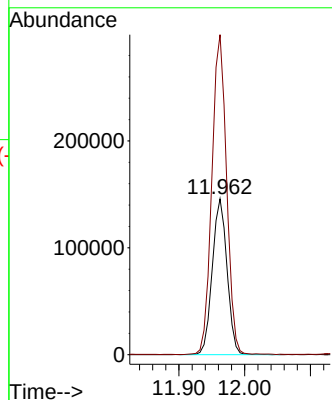
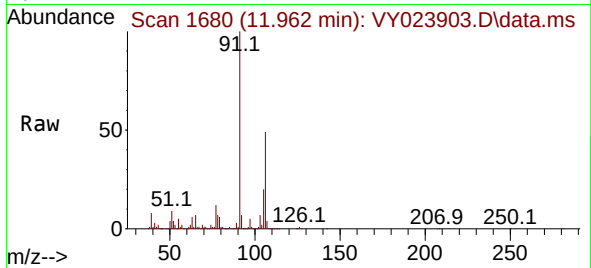




#69  
o-Xylene  
Concen: 66.851 ug/l  
RT: 11.962 min Scan# 1680  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

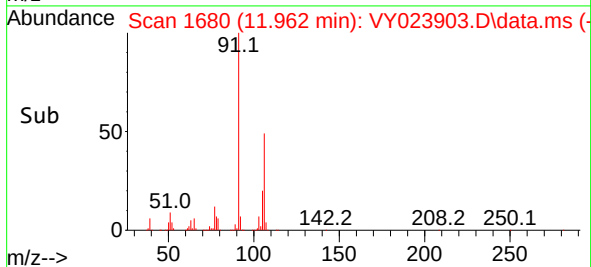
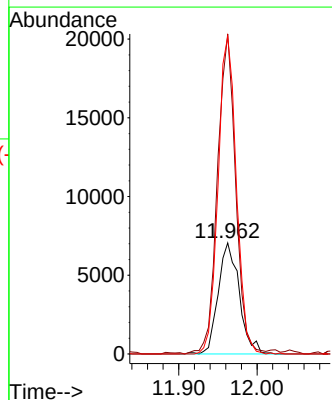
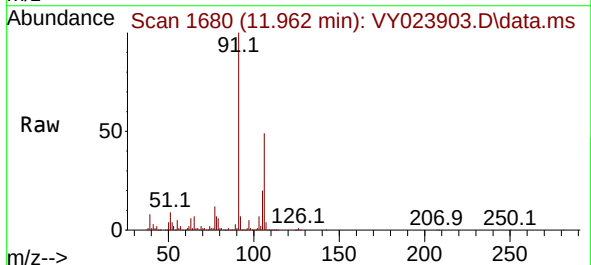
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

Tgt Ion:106 Resp: 227494  
Ion Ratio Lower Upper  
106 100  
91 205.2 104.4 313.1

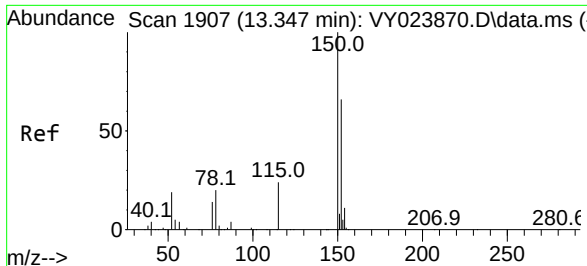


#70  
Styrene  
Concen: 2.359 ug/l  
RT: 11.962 min Scan# 1680  
Delta R.T. -0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion:104 Resp: 13235  
Ion Ratio Lower Upper  
104 100  
78 248.3 38.8 58.2#  
103 247.7 43.9 65.9#



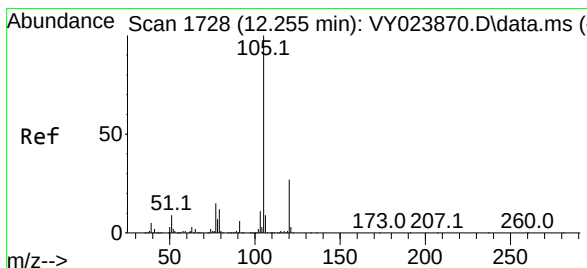
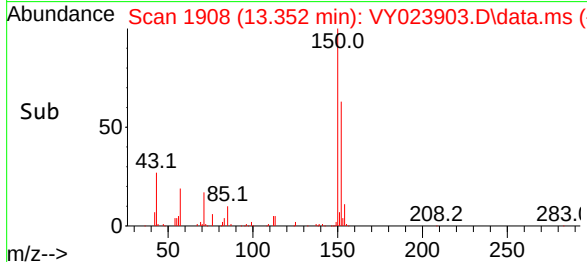
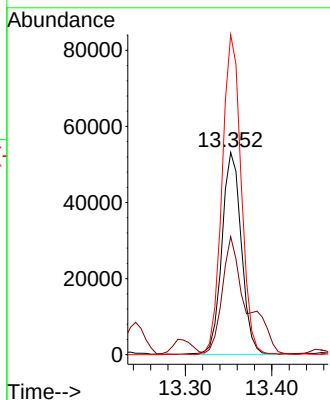
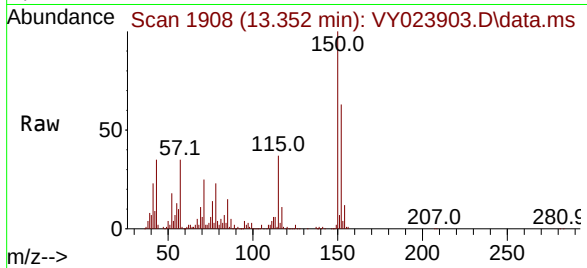




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 1908  
 Delta R.T. 0.006 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

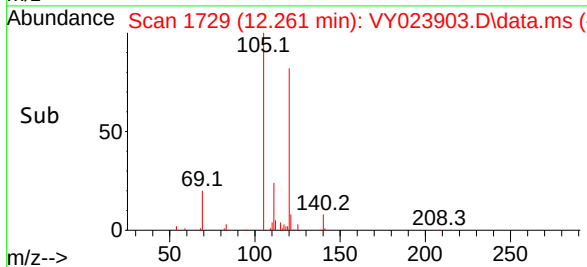
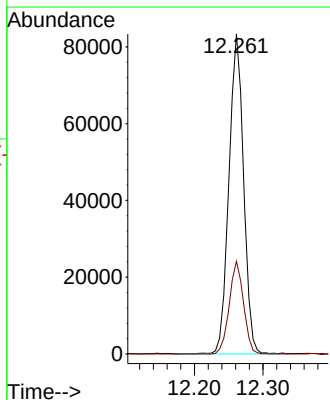
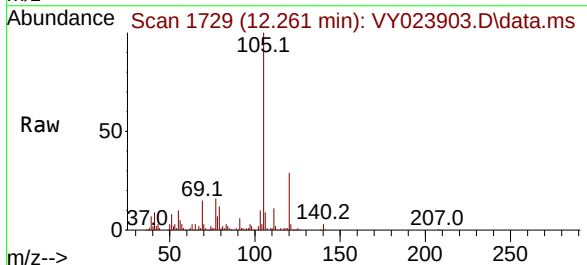
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 120325-ARE

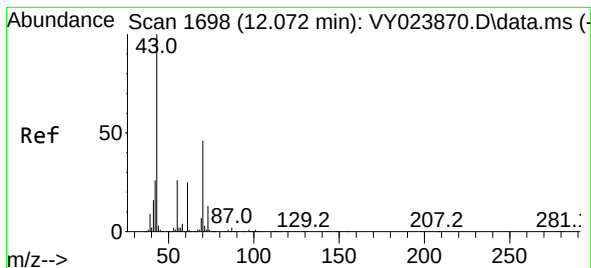
Tgt Ion:152 Resp: 82691  
 Ion Ratio Lower Upper  
 152 100  
 115 73.3 28.8 86.4  
 150 155.9 0.0 352.2



#73  
 Isopropylbenzene  
 Concen: 20.345 ug/l  
 RT: 12.261 min Scan# 1729  
 Delta R.T. 0.006 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

Tgt Ion:105 Resp: 123947  
 Ion Ratio Lower Upper  
 105 100  
 120 28.1 13.4 40.1



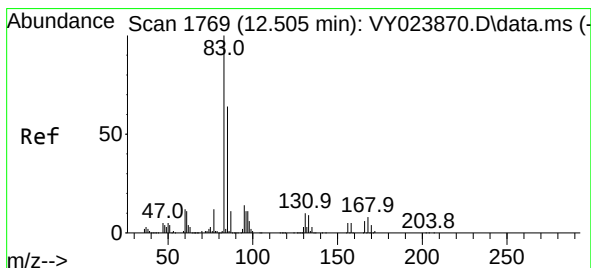
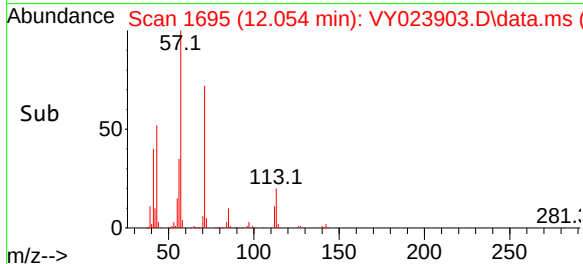
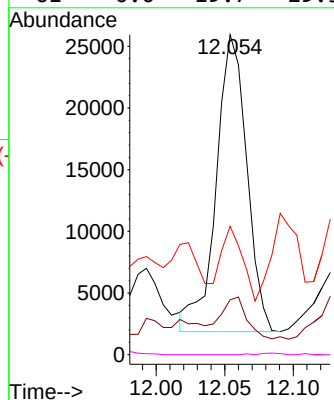
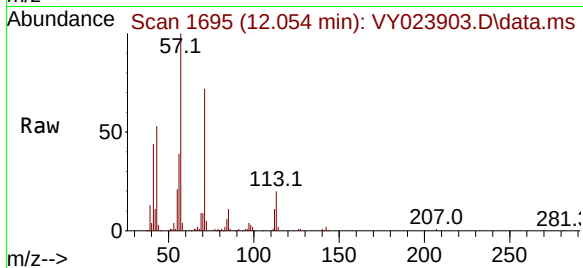


#74  
N-amy1 acetate  
Concen: 28.258 ug/l  
RT: 12.054 min Scan# 1695  
Delta R.T. -0.019 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

Tgt Ion: 43 Resp: 37311

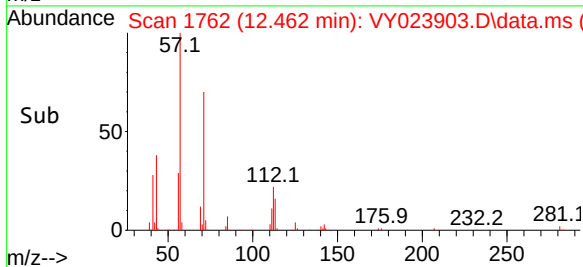
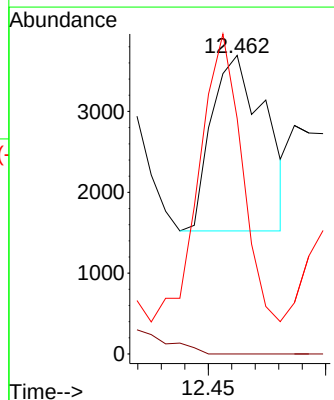
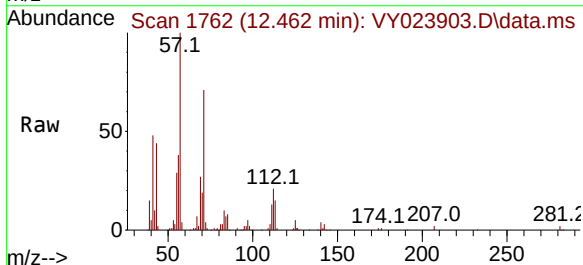
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 12.0  | 35.5  | 53.3# |
| 55  | 17.3  | 21.1  | 31.7# |
| 61  | 0.0   | 19.7  | 29.5# |

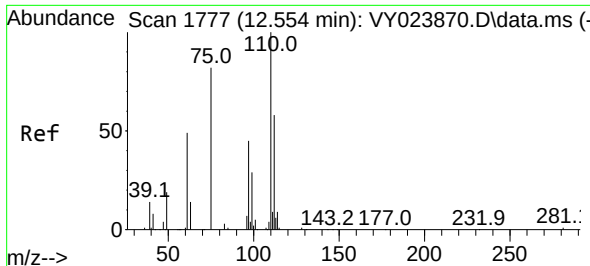


#75  
1,1,2,2-Tetrachloroethane  
Concen: 3.503 ug/l  
RT: 12.462 min Scan# 1762  
Delta R.T. -0.043 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 83 Resp: 3443

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 0.0   | 5.3   | 15.9# |
| 85  | 128.2 | 31.9  | 95.7# |

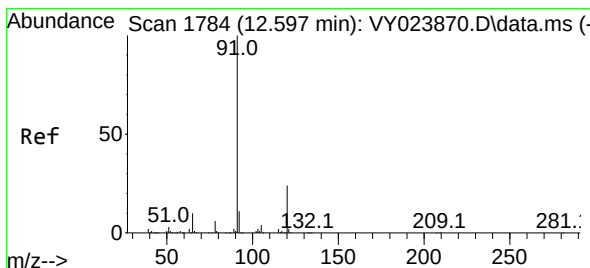
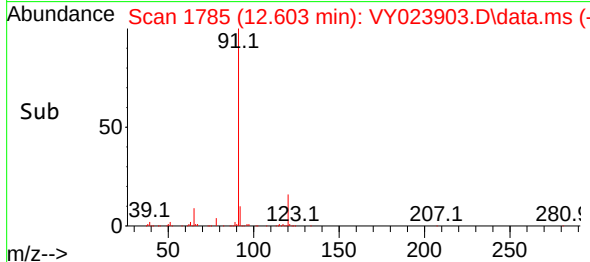
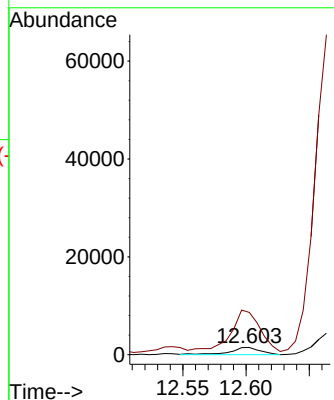
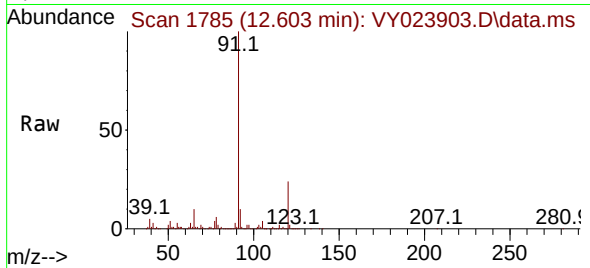




#76  
1,2,3-Trichloropropane  
Concen: 3.033 ug/l  
RT: 12.603 min Scan# 1785  
Delta R.T. 0.049 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

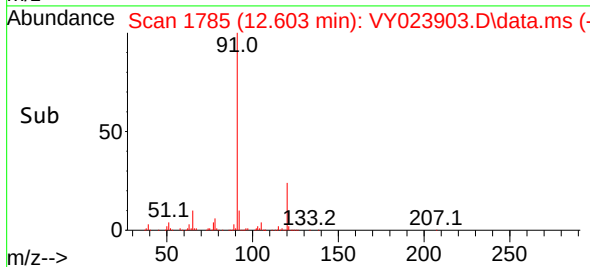
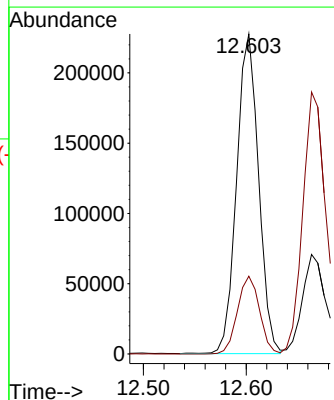
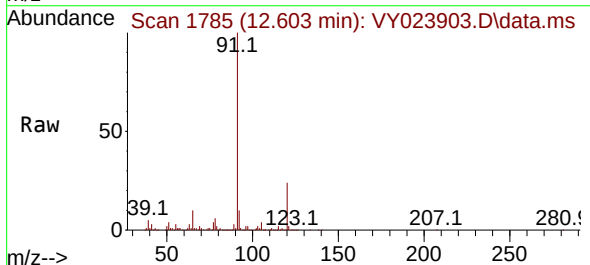
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

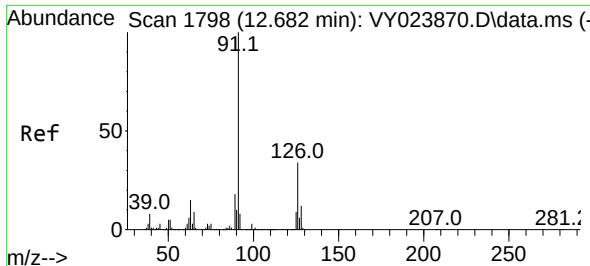
Tgt Ion: 75 Resp: 2486  
Ion Ratio Lower Upper  
75 100  
77 528.3 0.0 0.0#



#78  
n-propylbenzene  
Concen: 45.944 ug/l  
RT: 12.603 min Scan# 1785  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 91 Resp: 337765  
Ion Ratio Lower Upper  
91 100  
120 24.4 11.5 34.5

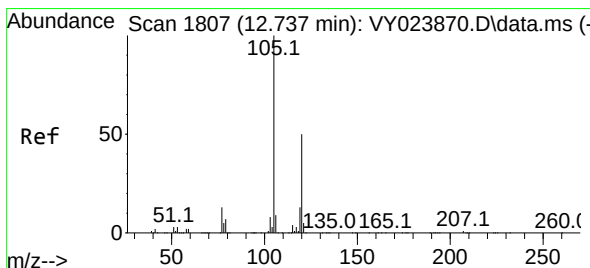
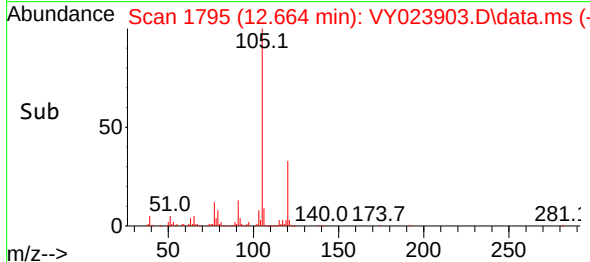
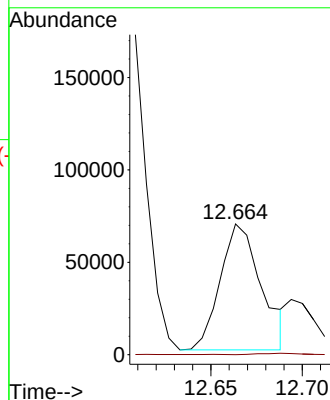
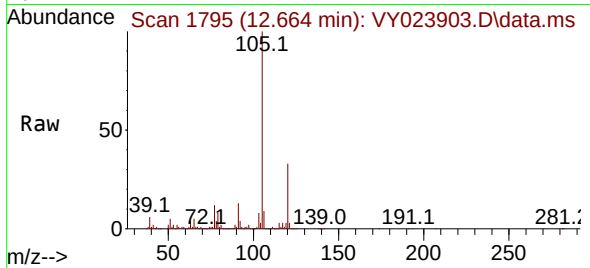




#79  
2-Chlorotoluene  
Concen: 25.511 ug/l  
RT: 12.664 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

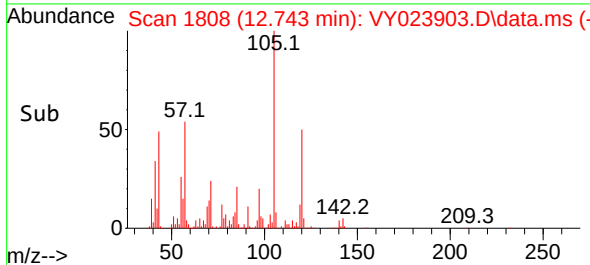
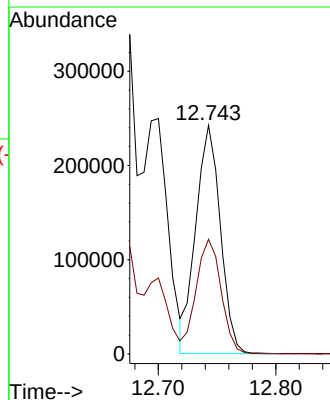
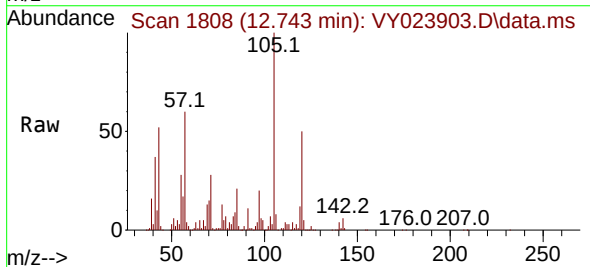
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

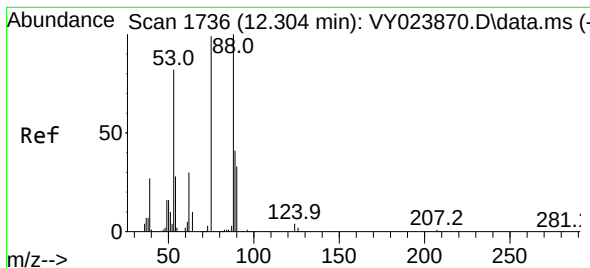
Tgt Ion: 91 Resp: 106513  
Ion Ratio Lower Upper  
91 100  
126 0.2 17.0 51.0#



#80  
1,3,5-Trimethylbenzene  
Concen: 71.103 ug/l  
RT: 12.743 min Scan# 1808  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 105 Resp: 351985  
Ion Ratio Lower Upper  
105 100  
120 51.1 24.9 74.6

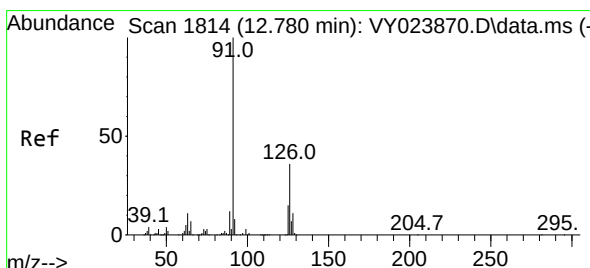
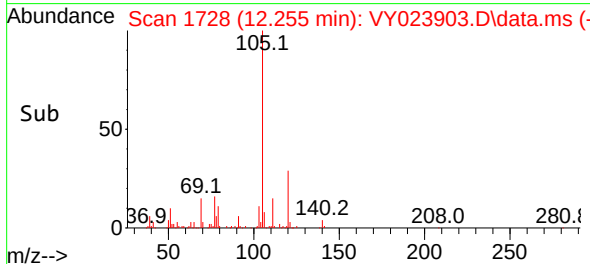
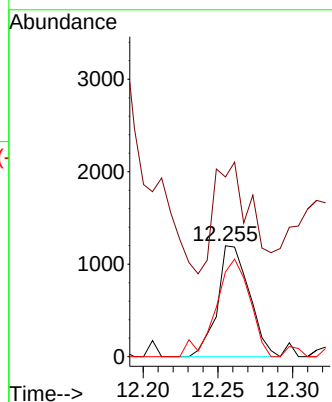
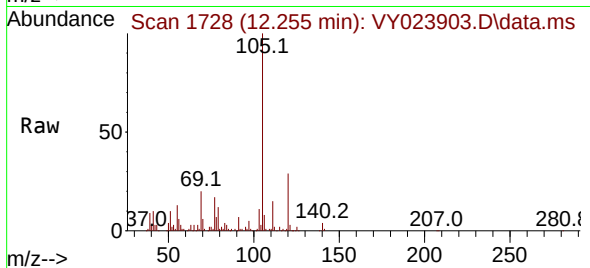




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.203 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. -0.049 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

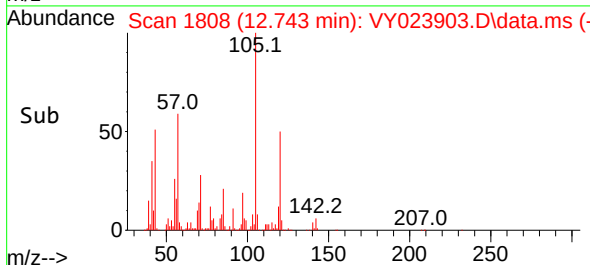
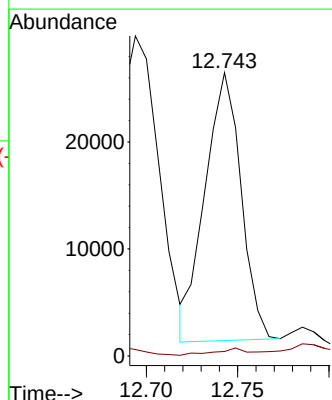
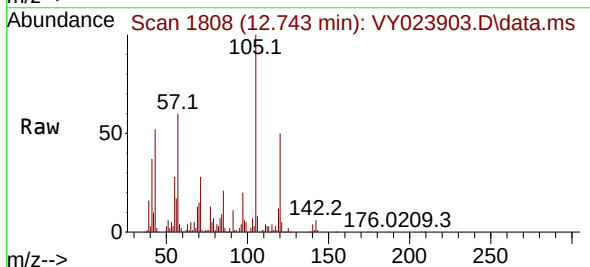
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

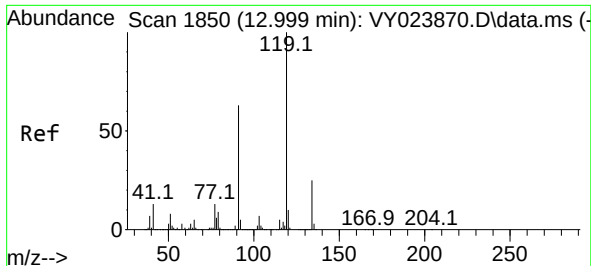
Tgt Ion: 75 Resp: 1781  
Ion Ratio Lower Upper  
75 100  
53 129.0 71.1 106.7#  
89 93.3 36.3 54.5#



#82  
4-Chlorotoluene  
Concen: 7.929 ug/l  
RT: 12.743 min Scan# 1808  
Delta R.T. -0.037 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 91 Resp: 34322  
Ion Ratio Lower Upper  
91 100  
126 2.4 17.1 51.2#

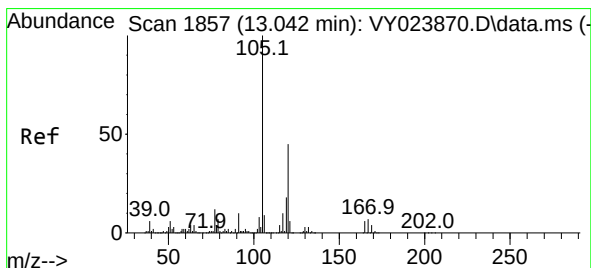
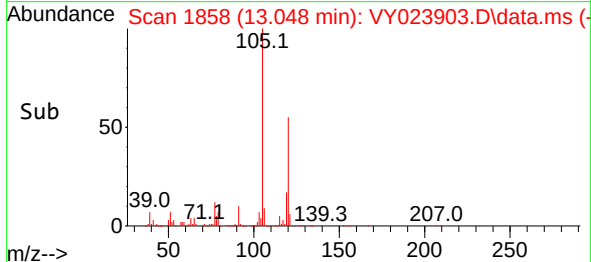
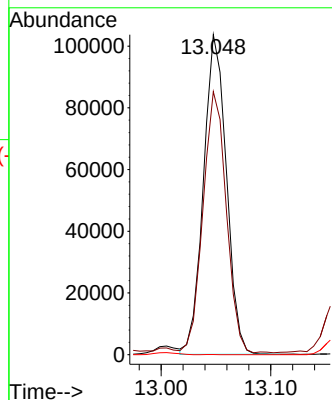
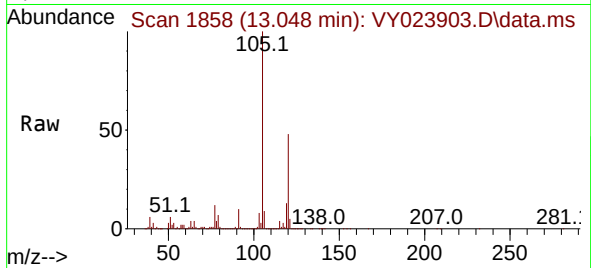




#83  
 tert-Butylbenzene  
 Concen: 33.733 ug/l  
 RT: 13.048 min Scan# 1858  
 Delta R.T. 0.049 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

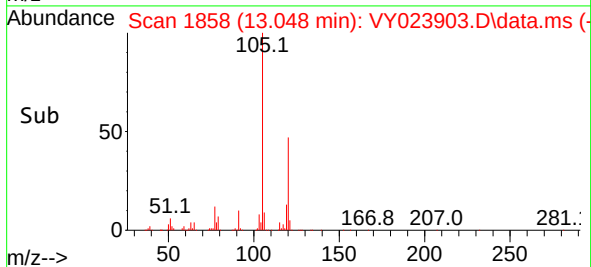
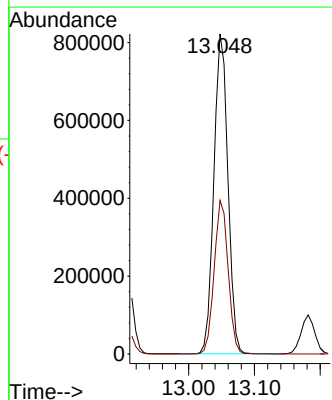
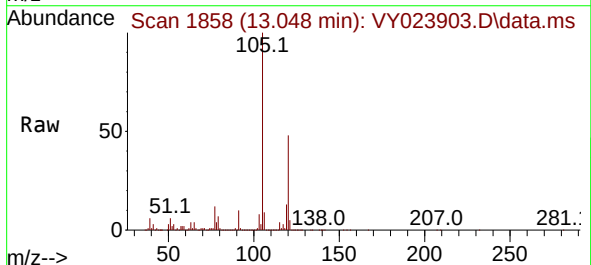
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 120325-ARE

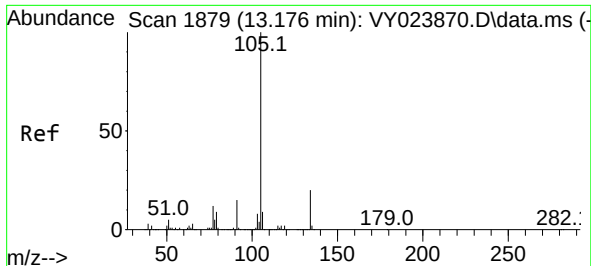
Tgt Ion:119 Resp: 150547  
 Ion Ratio Lower Upper  
 119 100  
 91 82.7 31.8 95.3  
 134 0.0 12.9 38.7#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 248.767 ug/l  
 RT: 13.048 min Scan# 1858  
 Delta R.T. 0.006 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

Tgt Ion:105 Resp: 1219988  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 22.4 67.3

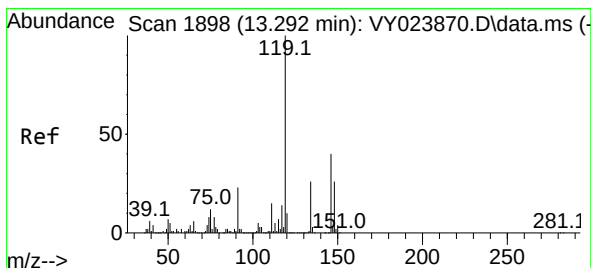
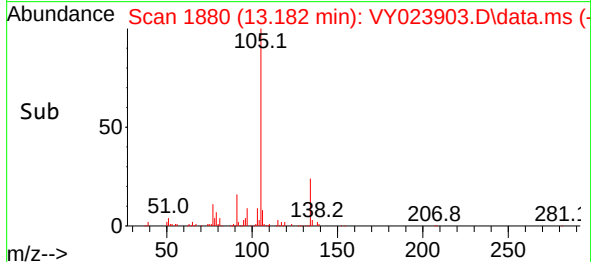
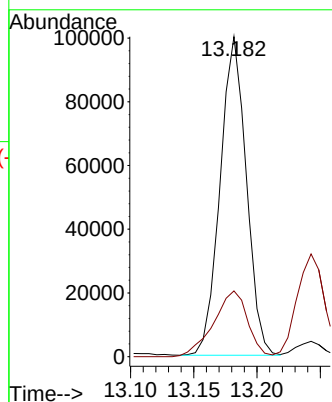
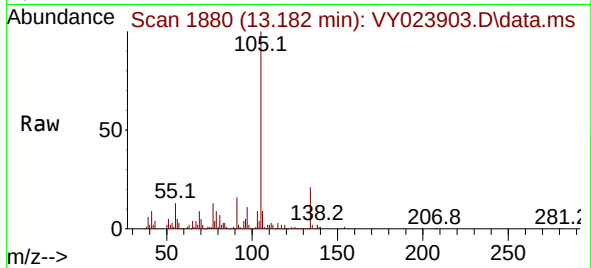




#85  
 sec-Butylbenzene  
 Concen: 21.701 ug/l  
 RT: 13.182 min Scan# 1880  
 Delta R.T. 0.006 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

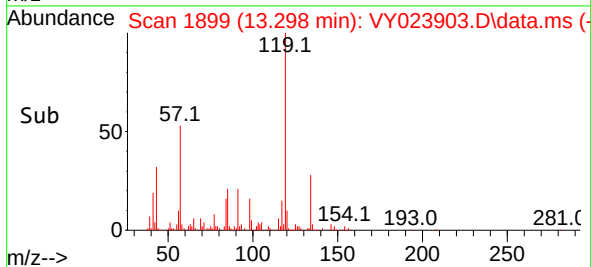
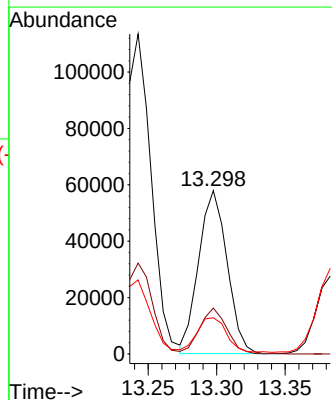
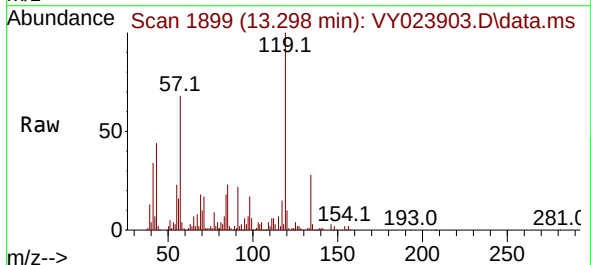
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 120325-ARE

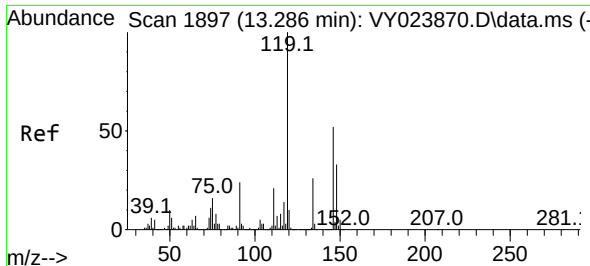
Tgt Ion:105 Resp: 144069  
 Ion Ratio Lower Upper  
 105 100  
 134 26.8 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 15.202 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. 0.006 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

Tgt Ion:119 Resp: 83562  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.1 39.1  
 91 21.9 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 1.062 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Instrument :

MSVOA\_Y

ClientSampleId :

120325-ARE

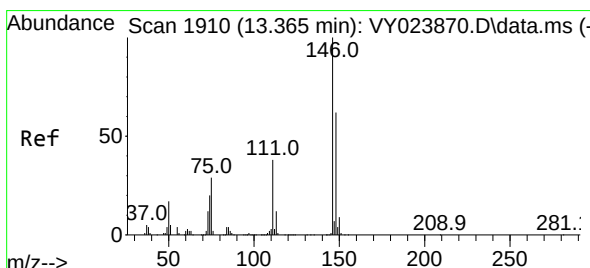
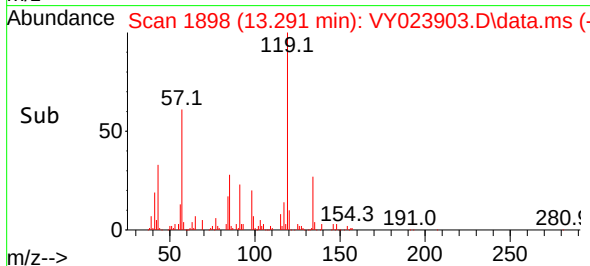
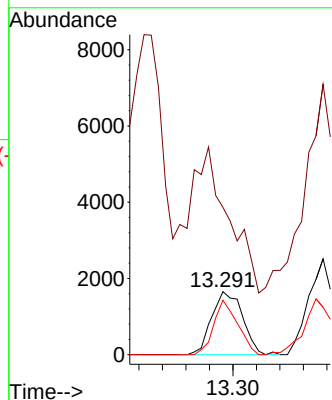
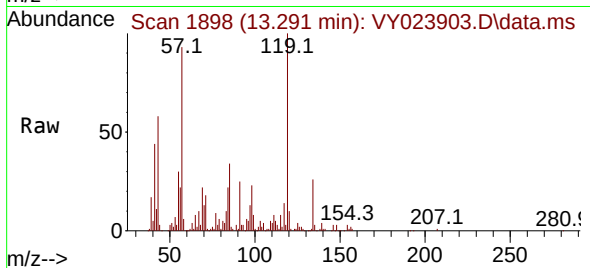
Tgt Ion:146 Resp: 3028

Ion Ratio Lower Upper

146 100

111 250.9 20.0 60.0#

148 66.5 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 1.310 ug/l

RT: 13.377 min Scan# 1912

Delta R.T. 0.012 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

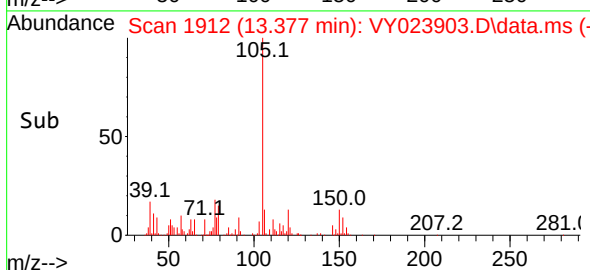
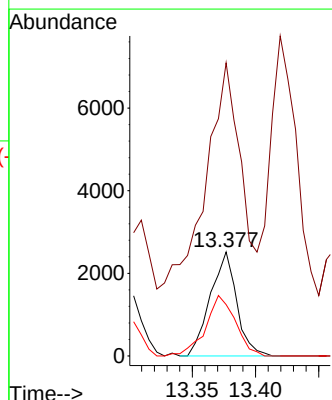
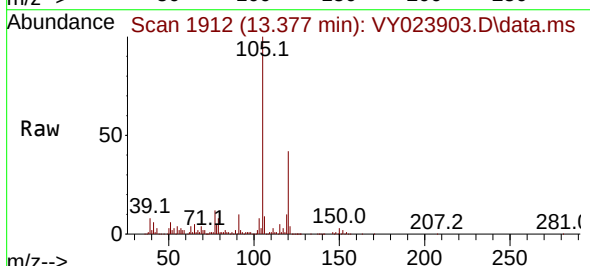
Tgt Ion:146 Resp: 3661

Ion Ratio Lower Upper

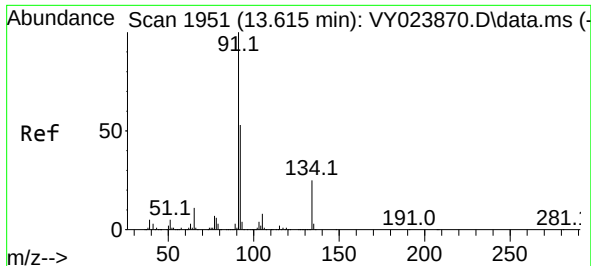
146 100

111 280.8 19.4 58.1#

148 65.7 32.0 96.2



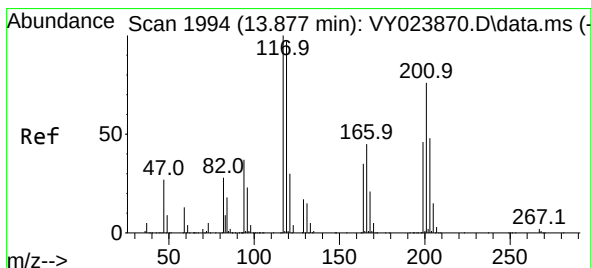
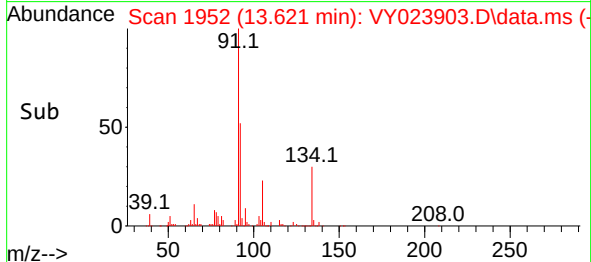
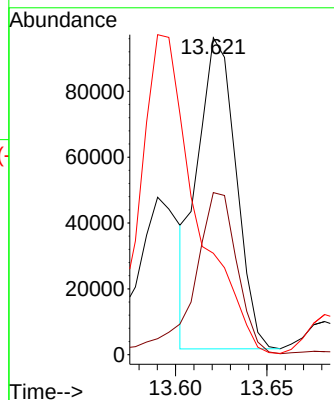
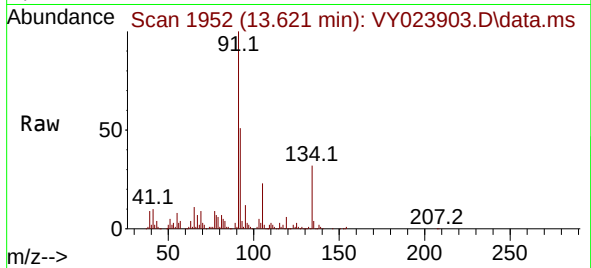




#89  
n-Butylbenzene  
Concen: 27.118 ug/l  
RT: 13.621 min Scan# 1951  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

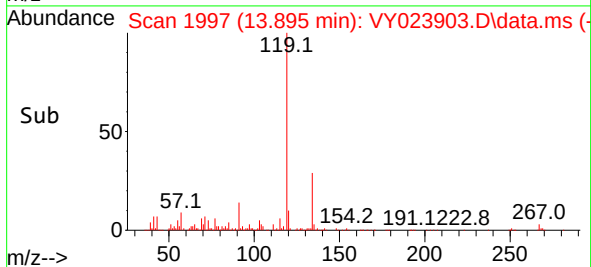
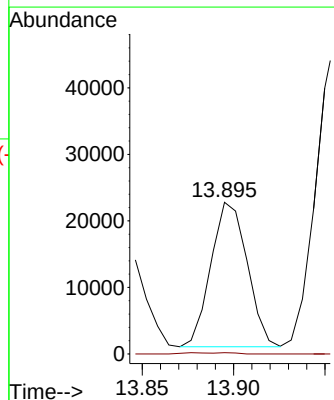
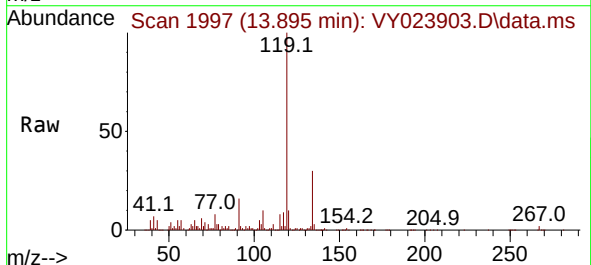
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

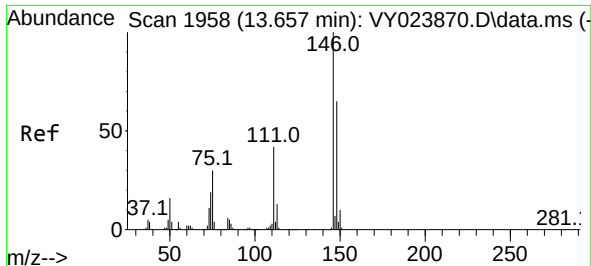
Tgt Ion: 91 Resp: 137966  
Ion Ratio Lower Upper  
91 100  
92 57.5 26.7 80.0  
134 0.0 13.0 39.0#



#90  
Hexachloroethane  
Concen: 26.072 ug/l  
RT: 13.895 min Scan# 1997  
Delta R.T. 0.018 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 117 Resp: 30064  
Ion Ratio Lower Upper  
117 100  
201 0.6 39.1 117.2#

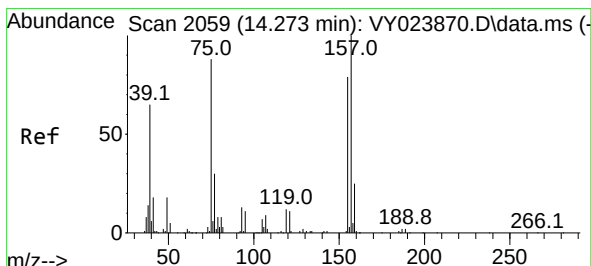
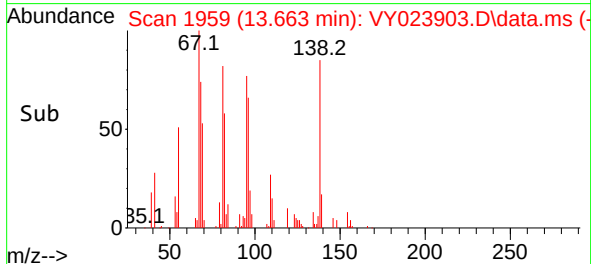
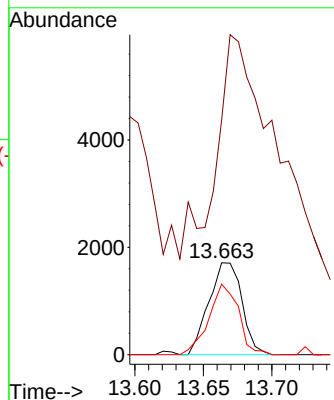
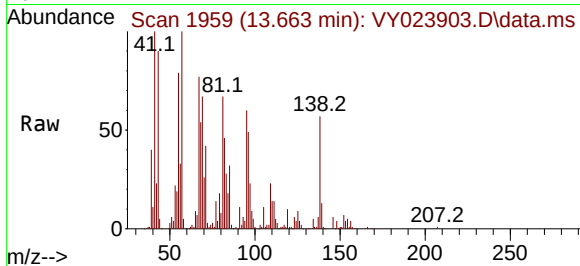




#91  
1,2-Dichlorobenzene  
Concen: 1.156 ug/l  
RT: 13.663 min Scan# 1959  
Delta R.T. 0.006 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

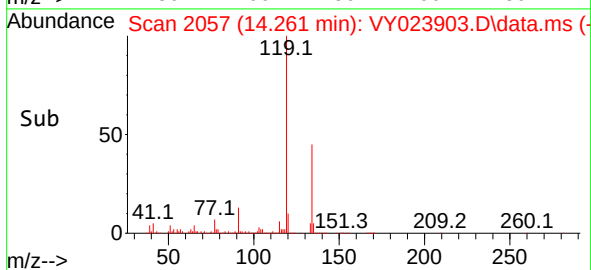
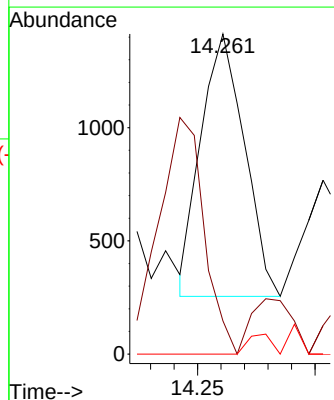
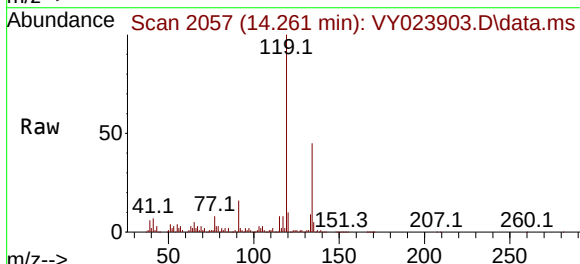
Instrument :  
MSVOA\_Y  
ClientSampleId :  
120325-ARE

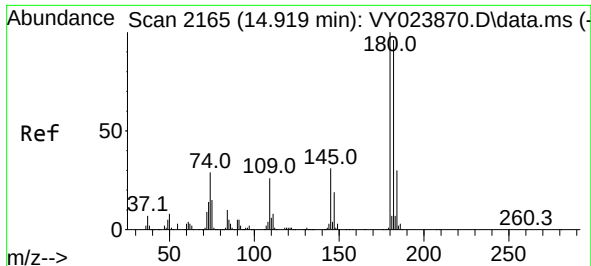
Tgt Ion:146 Resp: 2866  
Ion Ratio Lower Upper  
146 100  
111 545.4 20.4 61.3#  
148 69.1 32.3 96.8



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 9.660 ug/l  
RT: 14.261 min Scan# 2057  
Delta R.T. -0.012 min  
Lab File: VY023903.D  
Acq: 09 Dec 2025 13:08

Tgt Ion: 75 Resp: 1493  
Ion Ratio Lower Upper  
75 100  
155 19.7 44.4 133.2#  
157 4.1 57.5 172.3#

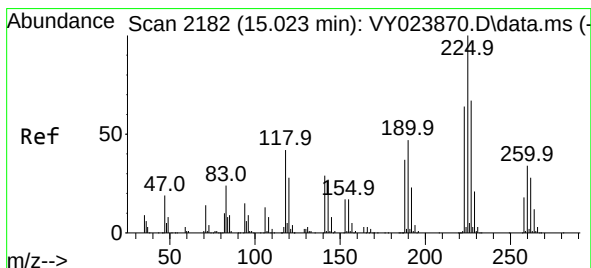
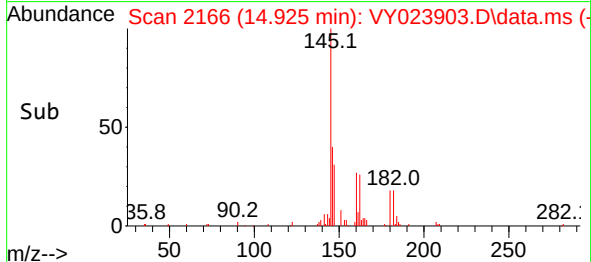
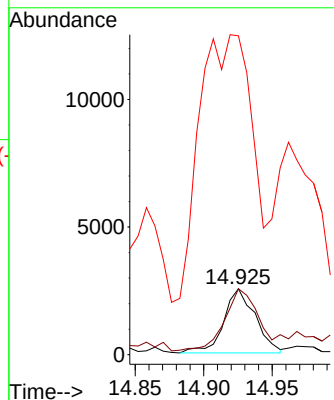
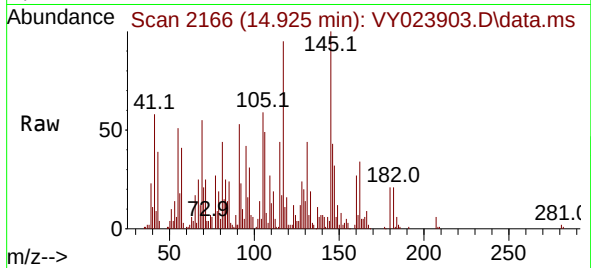




#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.734 ug/l  
 RT: 14.925 min Scan# 2165  
 Delta R.T. 0.006 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

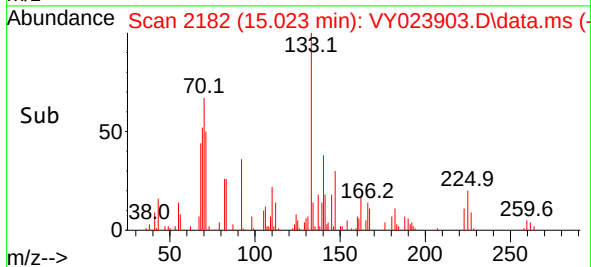
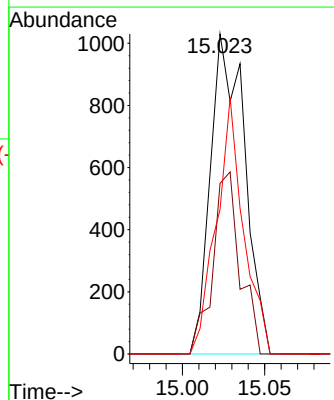
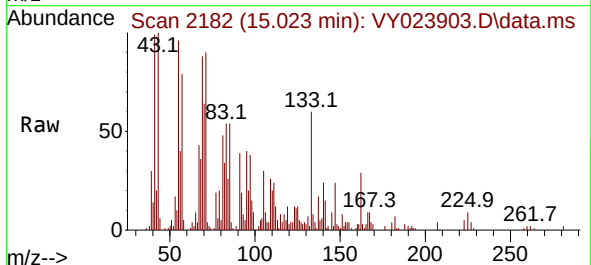
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 120325-ARE

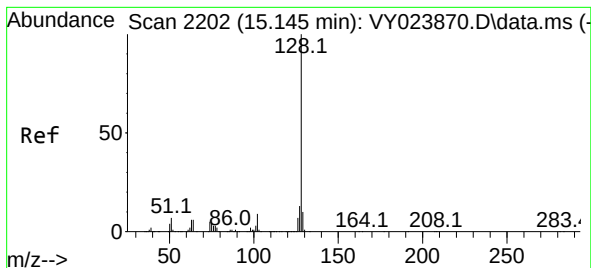
Tgt Ion:180 Resp: 4019  
 Ion Ratio Lower Upper  
 180 100  
 182 108.0 47.4 142.3  
 145 890.1 15.2 45.5#



#94  
 Hexachlorobutadiene  
 Concen: 1.611 ug/l  
 RT: 15.023 min Scan# 2182  
 Delta R.T. -0.000 min  
 Lab File: VY023903.D  
 Acq: 09 Dec 2025 13:08

Tgt Ion:225 Resp: 1486  
 Ion Ratio Lower Upper  
 225 100  
 223 45.5 31.6 95.0  
 227 63.9 32.6 97.8





#95

Naphthalene

Concen: 25.065 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Instrument :

MSVOA\_Y

ClientSampleId :

120325-ARE

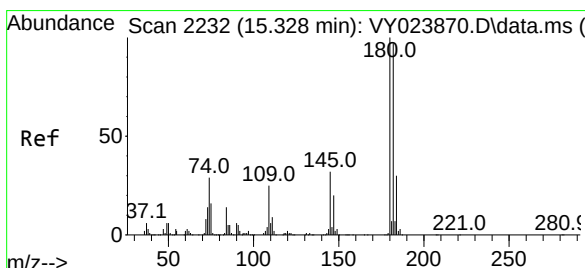
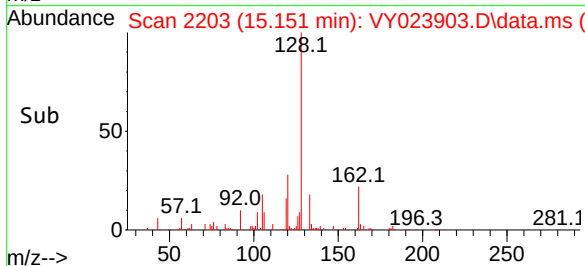
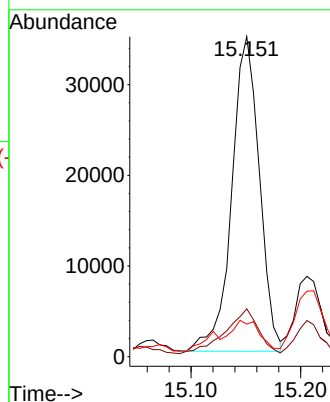
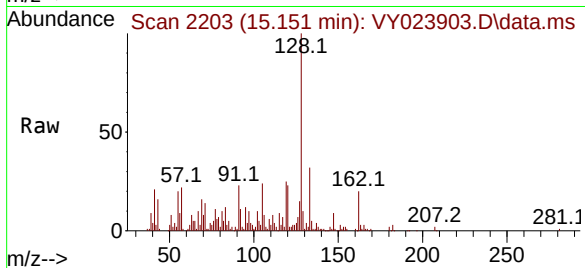
Tgt Ion:128 Resp: 60722

Ion Ratio Lower Upper

128 100

127 17.0 10.3 15.5#

129 8.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 5.843 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY023903.D

Acq: 09 Dec 2025 13:08

Tgt Ion:180 Resp: 7330

Ion Ratio Lower Upper

180 100

182 49.4 46.9 140.8

145 267.2 15.7 47.1#

