

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121324\  
 Data File : VY020599.D  
 Acq On : 13 Dec 2024 10:28  
 Operator : SY/MD  
 Sample : VY1213SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 13 22:26:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

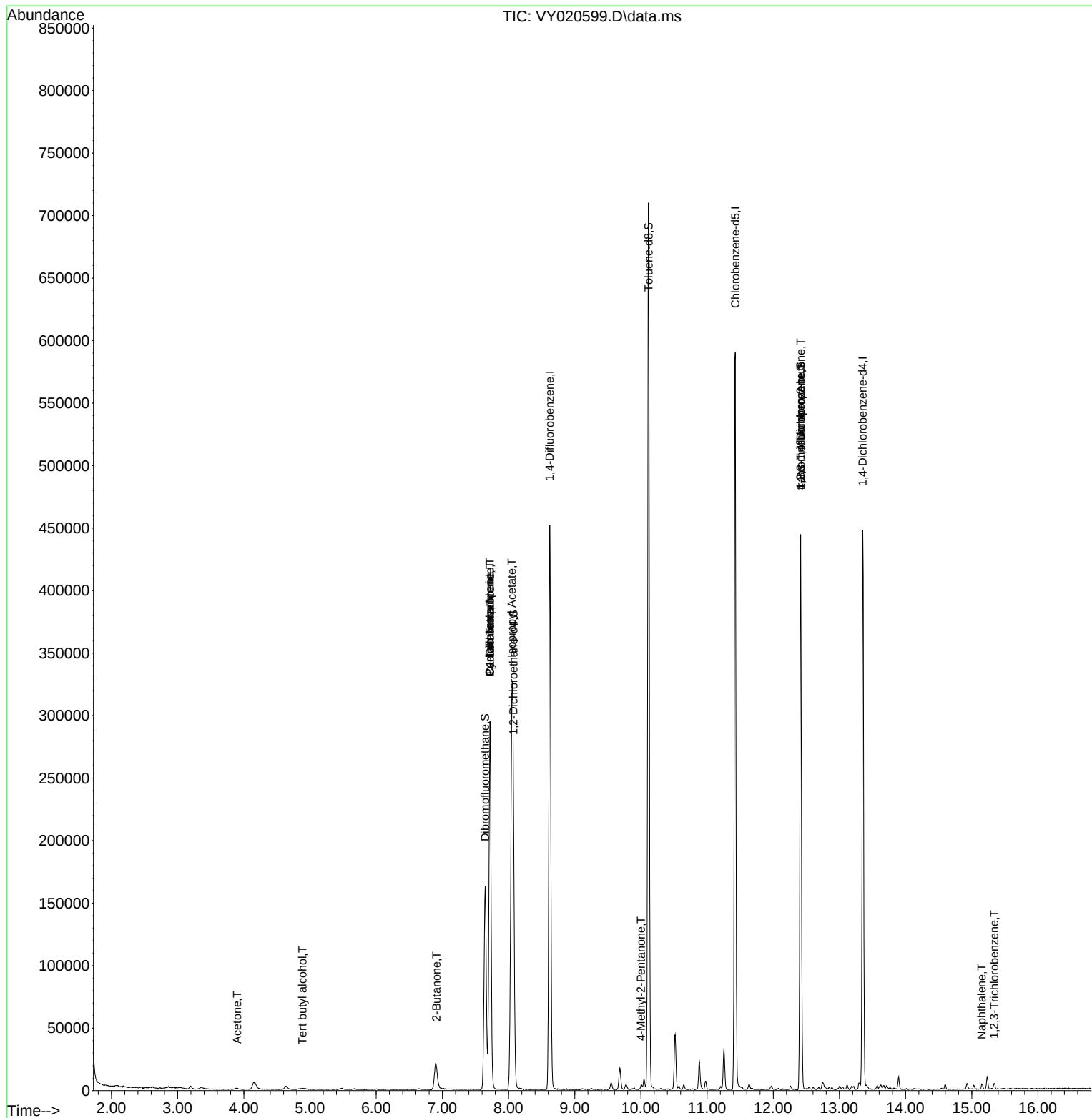
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.719  | 168   | 220853   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 378603   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.426 | 117   | 309853   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.352 | 152   | 110939   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.073  | 65    | 115998   | 51.644   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 103.280% |          |
| 35) Dibromofluoromethane      | 7.646  | 113   | 117533   | 49.311   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 98.620%  |          |
| 50) Toluene-d8                | 10.115 | 98    | 457592   | 50.418   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 100.840% |          |
| 62) 4-Bromofluorobenzene      | 12.414 | 95    | 130483   | 41.107   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery | = 82.220%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.885  | 59    | 1814     | 12.450   | ug/l #     | 73       |
| 16) Acetone                   | 3.897  | 43    | 2201     | 3.941    | ug/l       | 92       |
| 25) 2-Butanone                | 6.909  | 43    | 1680     | 2.382    | ug/l       | 95       |
| 31) Cyclohexane               | 7.719  | 56    | 4578     | 1.034    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.719  | 75    | 18107    | 4.499    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.719  | 117   | 22765    | 4.739    | ug/l #     | 15       |
| 43) Isopropyl Acetate         | 8.049  | 43    | 7048     | 2.189    | ug/l #     | 4        |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43    | 2652     | 1.668    | ug/l       | 95       |
| 76) 1,2,3-Trichloropropane    | 12.414 | 75    | 67975    | 60.149   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.414 | 75    | 67975    | 123.416  | ug/l #     | 9        |
| 95) Naphthalene               | 15.151 | 128   | 3472     | 1.050    | ug/l       | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.340 | 180   | 1766     | 1.071    | ug/l       | 94       |
| -----                         |        |       |          |          |            |          |

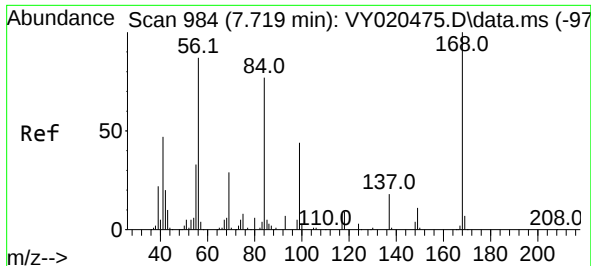
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY1213SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 13 22:26:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 01:39:23 2024  
Response via : Initial Calibration

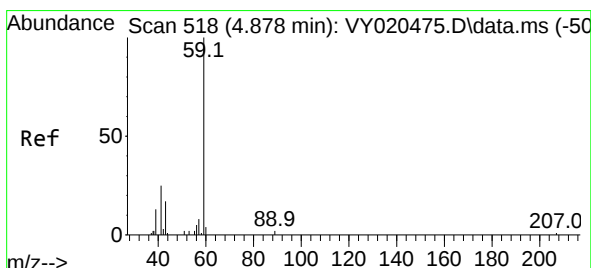
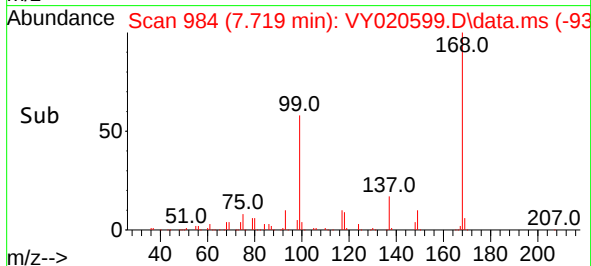
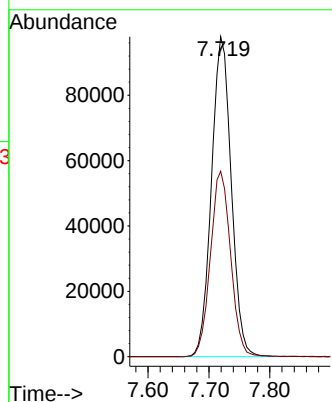
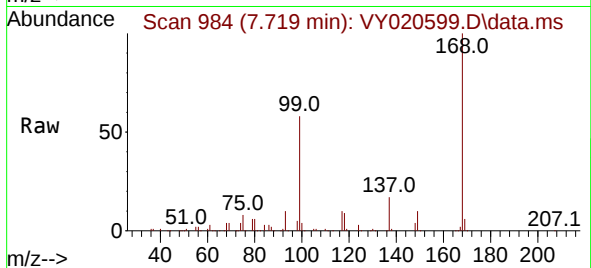




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. 0.000 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

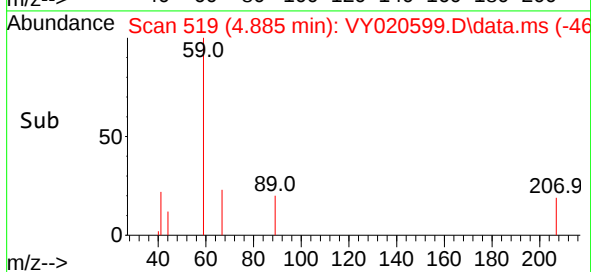
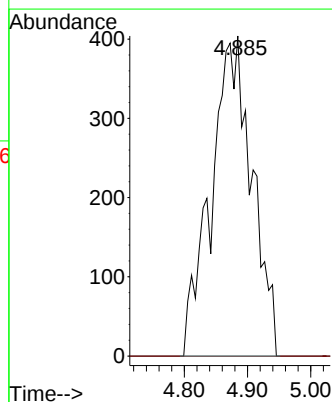
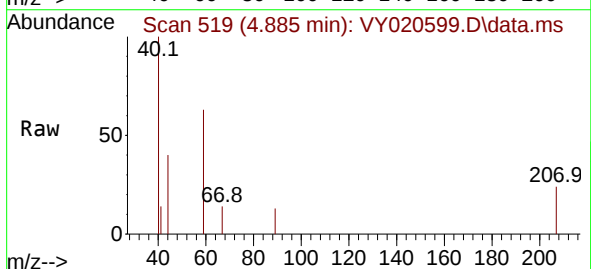
Instrument :  
MSVOA\_Y  
ClientSampleId :

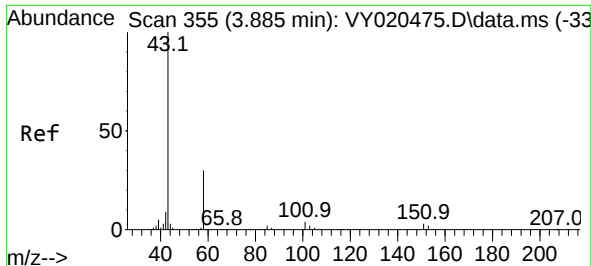
Tgt Ion:168 Resp: 220853  
Ion Ratio Lower Upper  
168 100  
99 58.0 46.6 69.8



#11  
Tert butyl alcohol  
Concen: 12.450 ug/l  
RT: 4.885 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

Tgt Ion: 59 Resp: 1814  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#





#16

Acetone

Concen: 3.941 ug/l

RT: 3.897 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

Instrument :

MSVOA\_Y

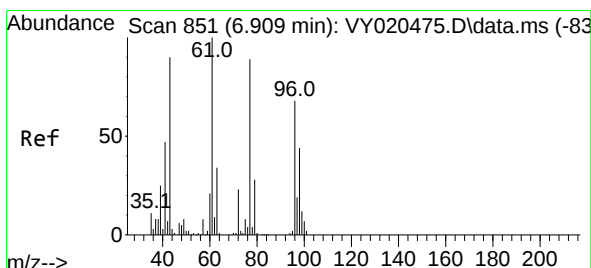
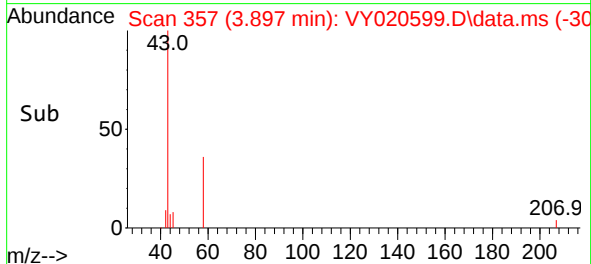
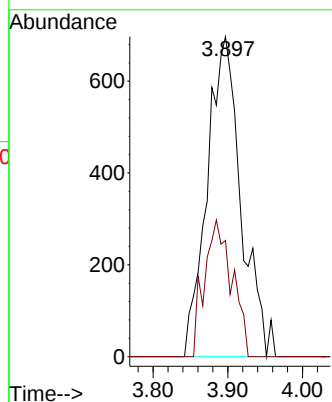
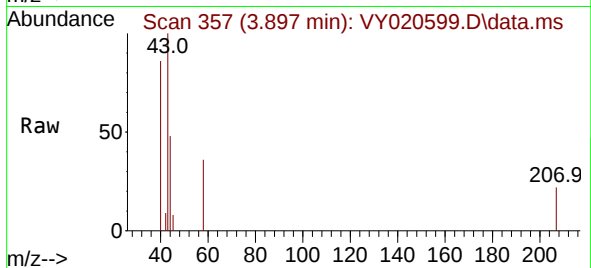
ClientSampleId :

Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

58 36.3 25.7 38.5



#25

2-Butanone

Concen: 2.382 ug/l

RT: 6.909 min Scan# 851

Delta R.T. -0.000 min

Lab File: VY020599.D

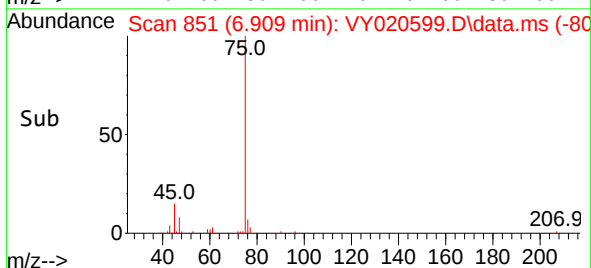
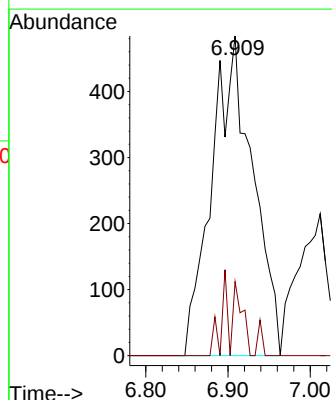
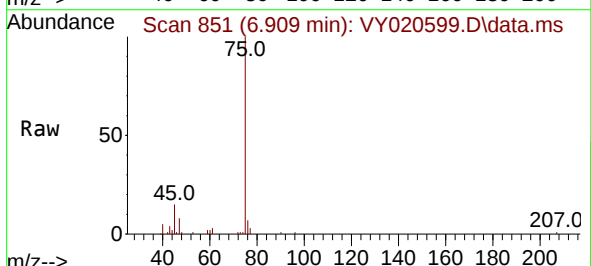
Acq: 13 Dec 2024 10:28

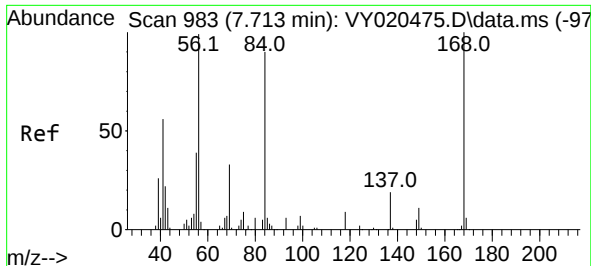
Tgt Ion: 43 Resp: 1680

Ion Ratio Lower Upper

43 100

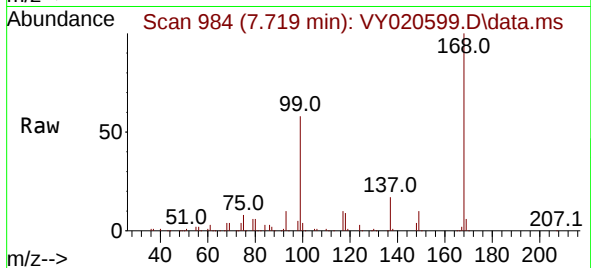
72 23.1 20.4 30.6



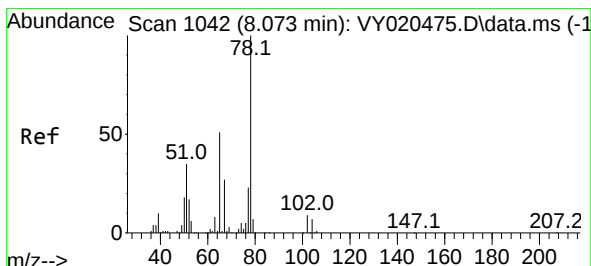
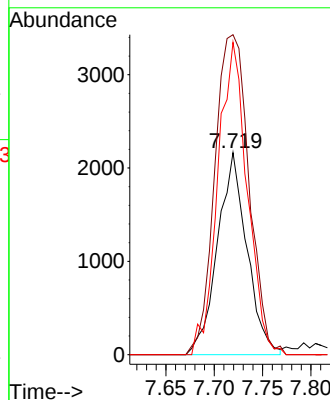
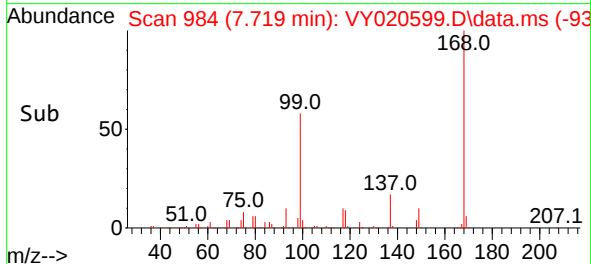


#31  
Cyclohexane  
Concen: 1.034 ug/l  
RT: 7.719 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

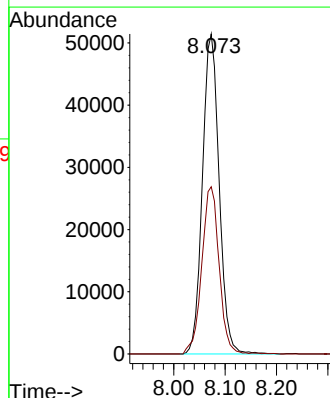
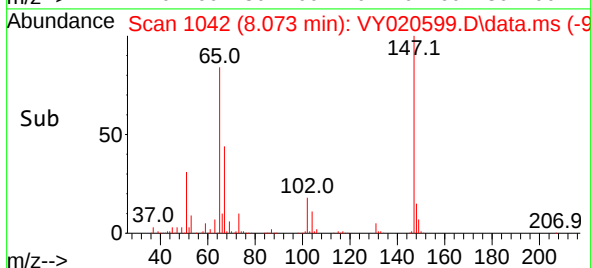
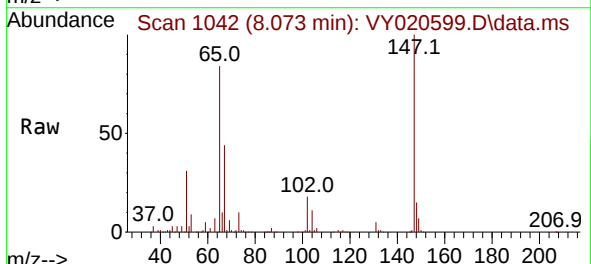


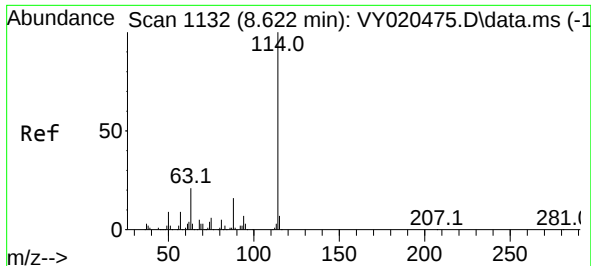
Tgt Ion: 56 Resp: 4578  
Ion Ratio Lower Upper  
56 100  
69 158.4 25.3 37.9#  
84 154.5 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 51.644 ug/l  
RT: 8.073 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

Tgt Ion: 65 Resp: 115998  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

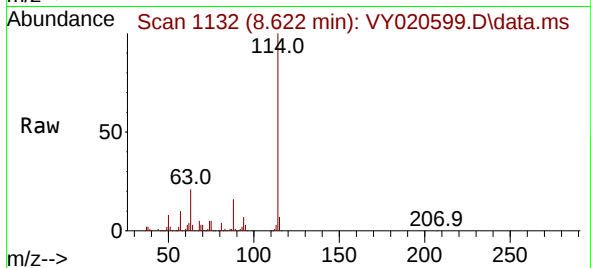
Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

Instrument :

MSVOA\_Y

ClientSampleId :



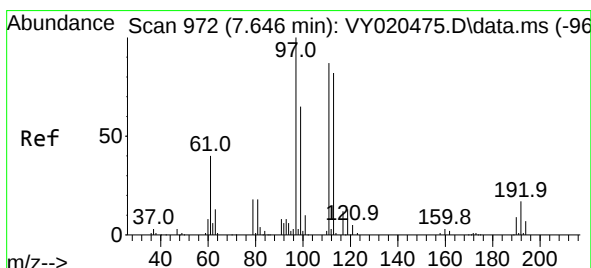
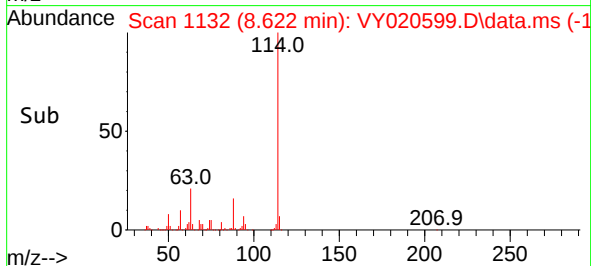
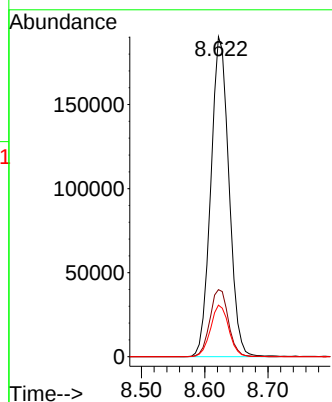
Tgt Ion:114 Resp: 378603

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.8

88 16.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.311 ug/l

RT: 7.646 min Scan# 972

Delta R.T. -0.000 min

Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

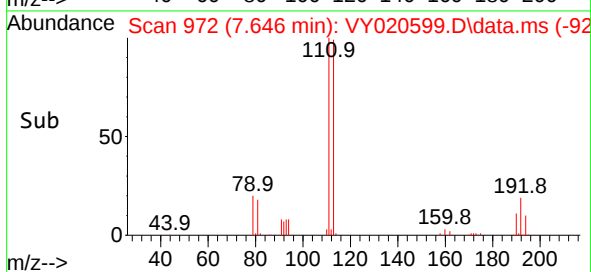
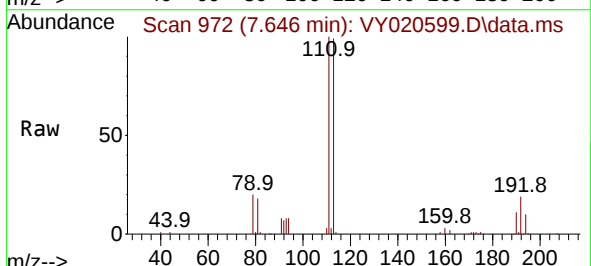
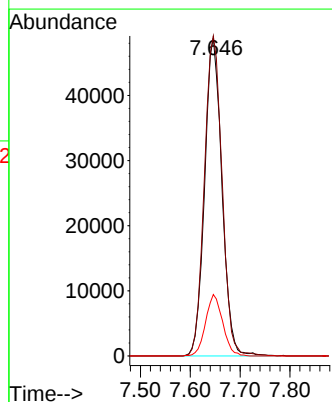
Tgt Ion:113 Resp: 117533

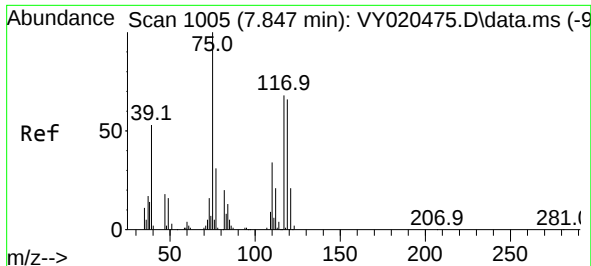
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.1 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.128 min

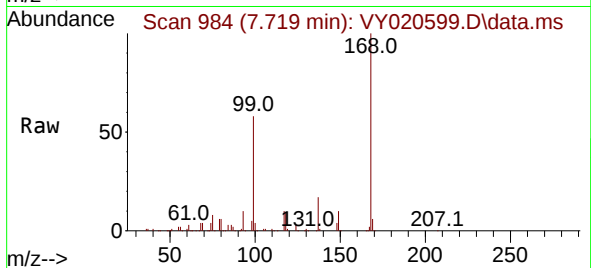
Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

Instrument :

MSVOA\_Y

ClientSampleId :



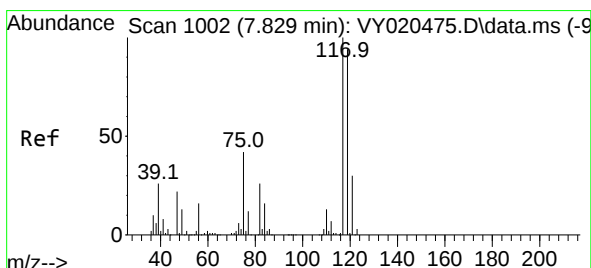
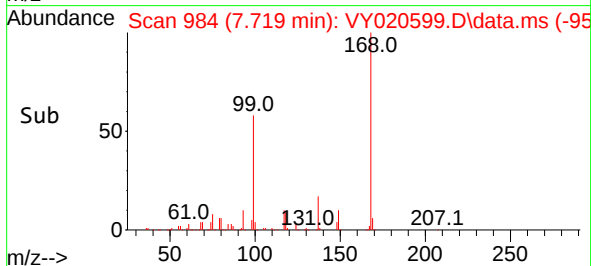
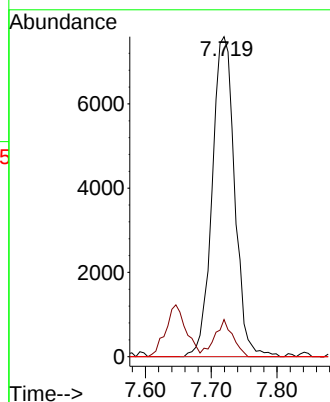
Tgt Ion: 75 Resp: 18107

Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.739 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.110 min

Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

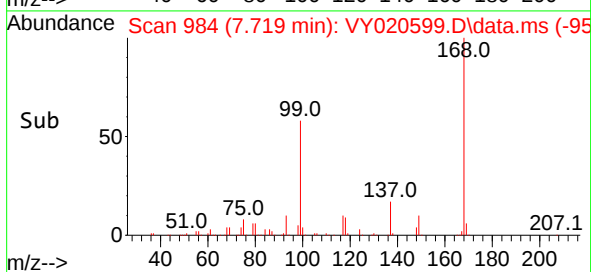
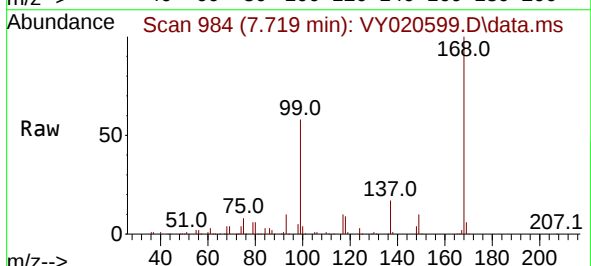
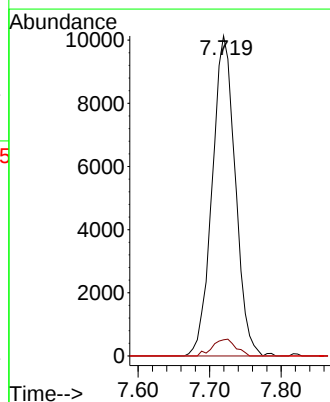
Tgt Ion: 117 Resp: 22765

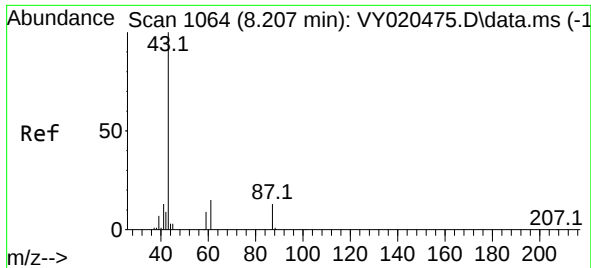
Ion Ratio Lower Upper

117 100

119 5.1 77.8 116.6#

121 0.0 24.6 37.0#

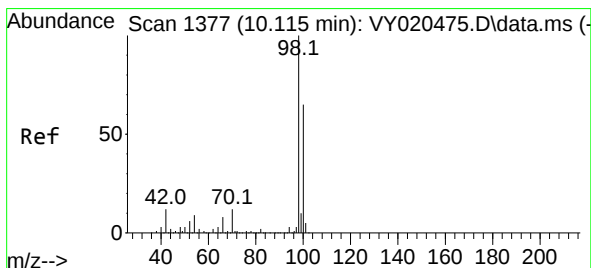
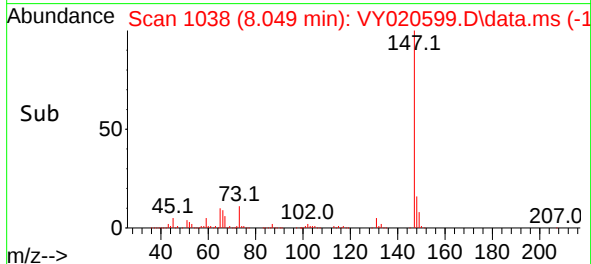
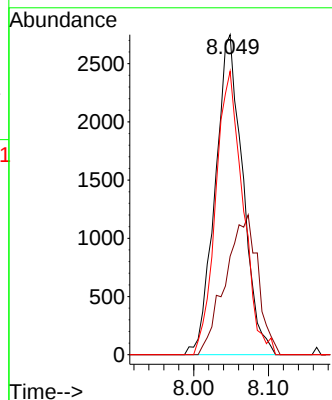
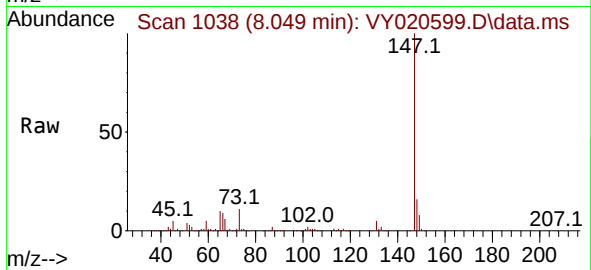




#43  
Isopropyl Acetate  
Concen: 2.189 ug/l  
RT: 8.049 min Scan# 1064  
Delta R.T. -0.159 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

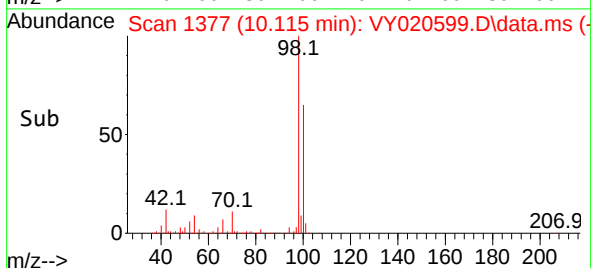
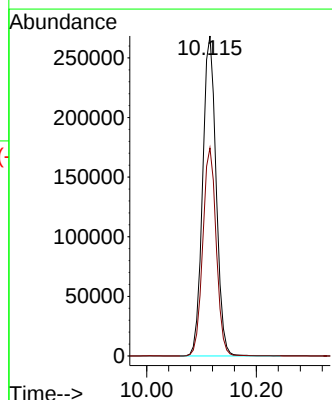
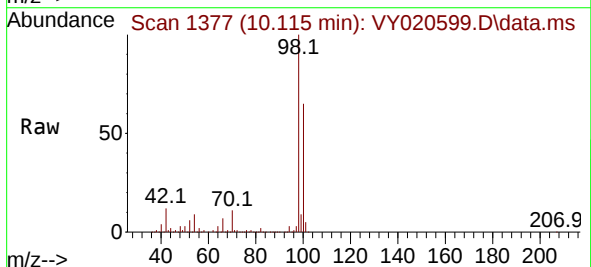
Instrument :  
MSVOA\_Y  
ClientSampleId :

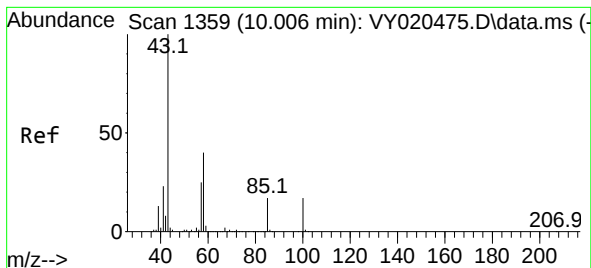
Tgt Ion: 43 Resp: 7048  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 87.7 9.6 14.4#



#50  
Toluene-d8  
Concen: 50.418 ug/l  
RT: 10.115 min Scan# 1377  
Delta R.T. -0.000 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

Tgt Ion: 98 Resp: 457592  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.3 76.9

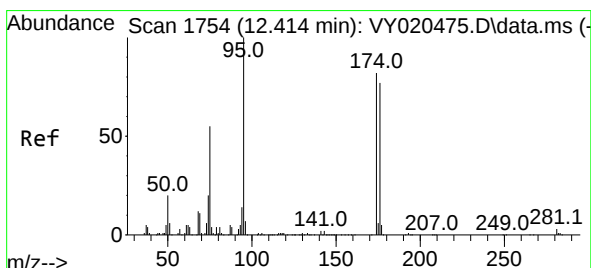
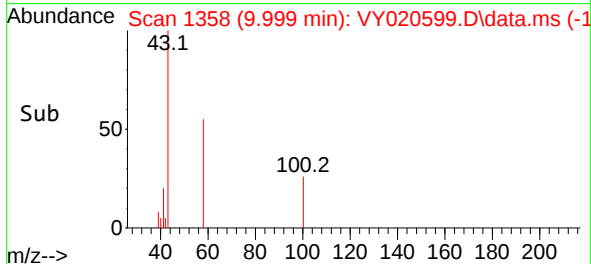
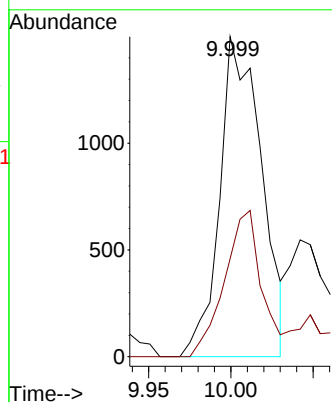
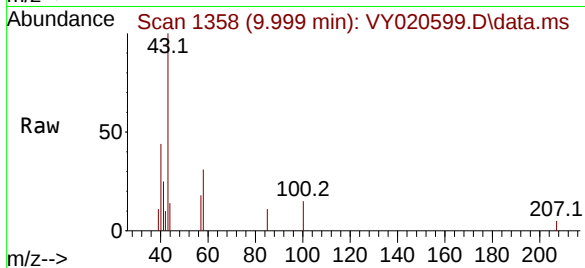




#51  
4-Methyl-2-Pentanone  
Concen: 1.668 ug/l  
RT: 9.999 min Scan# 1358  
Delta R.T. -0.006 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

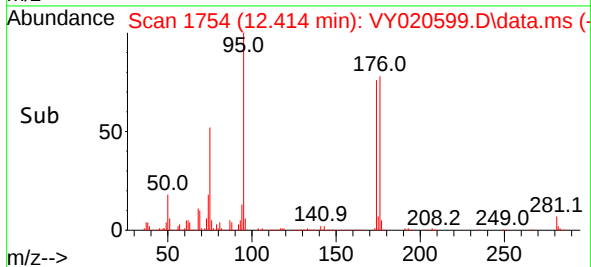
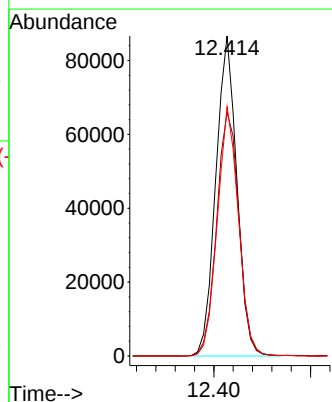
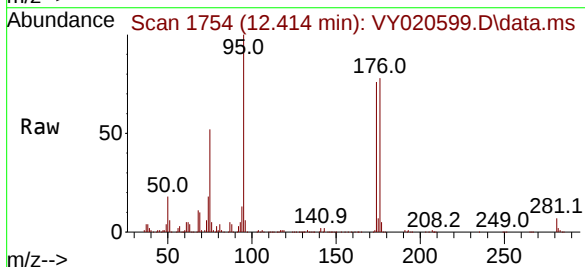
Instrument :  
MSVOA\_Y  
ClientSampleId :

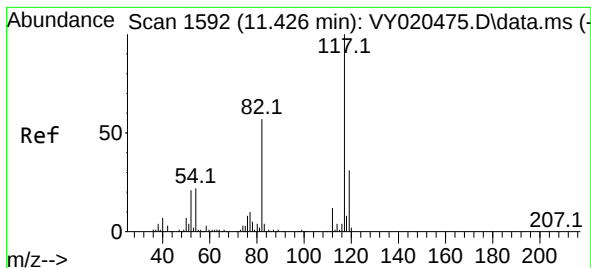
Tgt Ion: 43 Resp: 2652  
Ion Ratio Lower Upper  
43 100  
58 41.9 30.9 46.3



#62  
4-Bromofluorobenzene  
Concen: 41.107 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

Tgt Ion: 95 Resp: 130483  
Ion Ratio Lower Upper  
95 100  
174 81.0 0.0 156.8  
176 78.0 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. -0.000 min

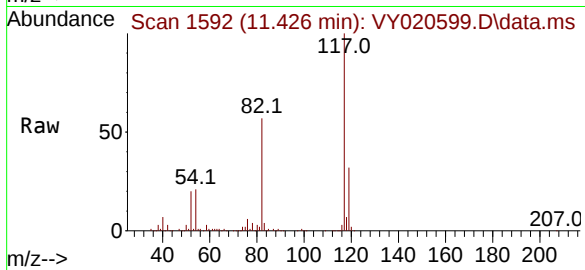
Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

Instrument :

MSVOA\_Y

ClientSampleId :



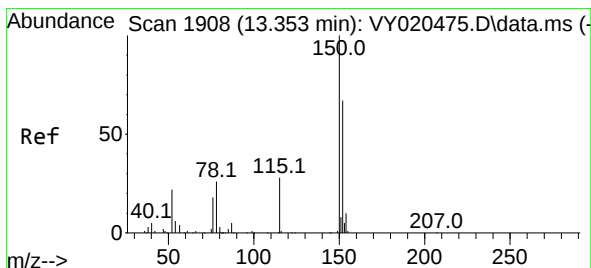
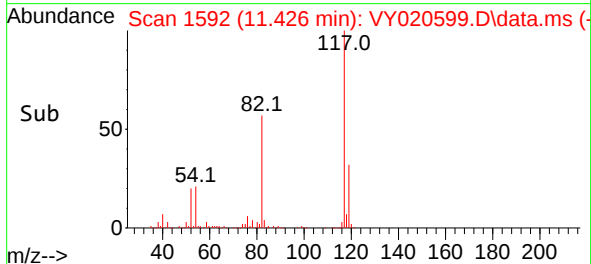
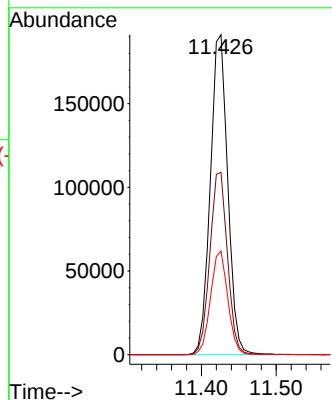
Tgt Ion:117 Resp: 309853

Ion Ratio Lower Upper

117 100

82 57.0 48.2 72.4

119 32.4 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

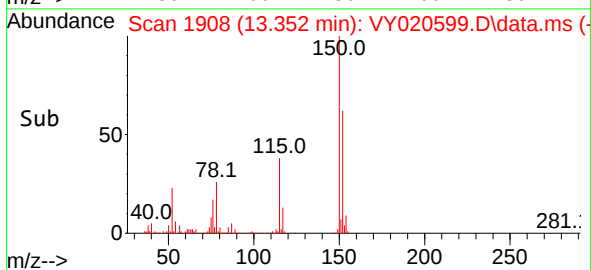
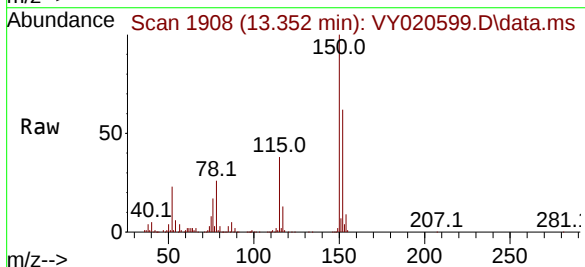
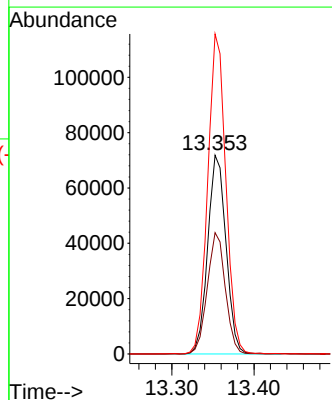
Tgt Ion:152 Resp: 110939

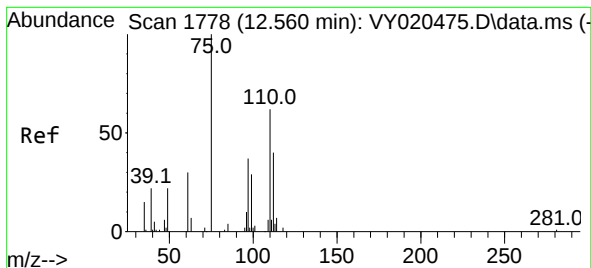
Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

150 159.2 0.0 348.2

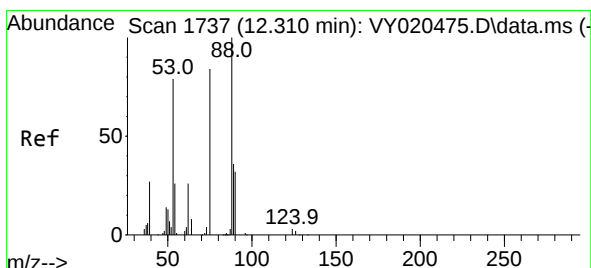
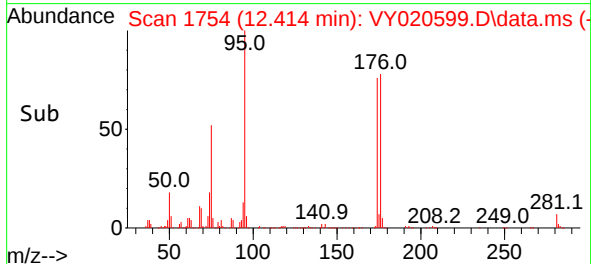
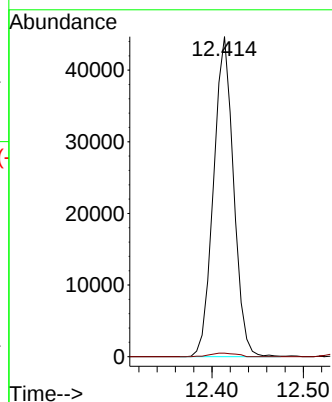
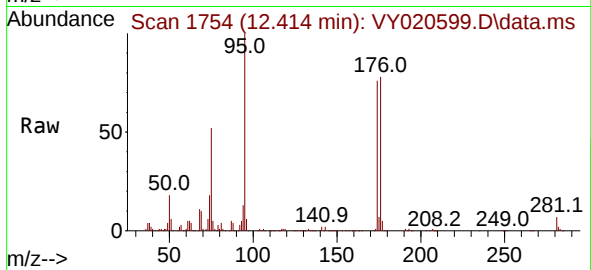




#76  
1,2,3-Trichloropropane  
Concen: 60.149 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.146 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

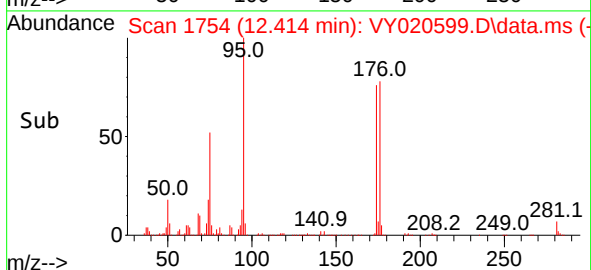
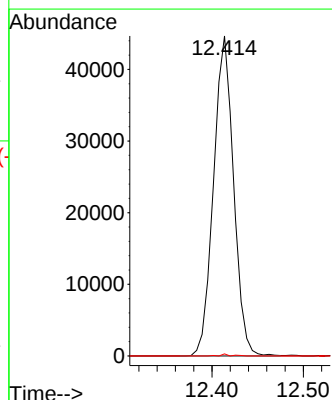
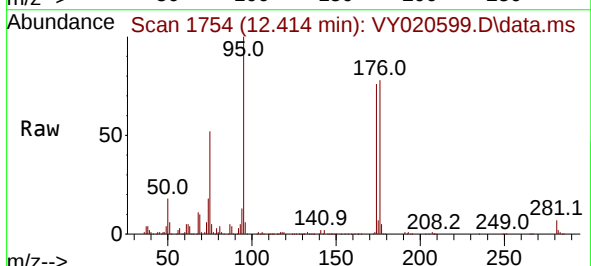
Instrument :  
MSVOA\_Y  
ClientSampleId :

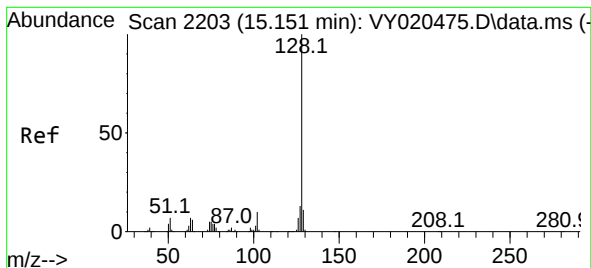
Tgt Ion: 75 Resp: 67975  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.416 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.104 min  
Lab File: VY020599.D  
Acq: 13 Dec 2024 10:28

Tgt Ion: 75 Resp: 67975  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.3 35.1 52.7#





#95

Naphthalene

Concen: 1.050 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020599.D

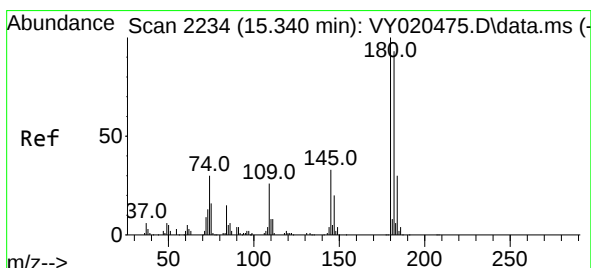
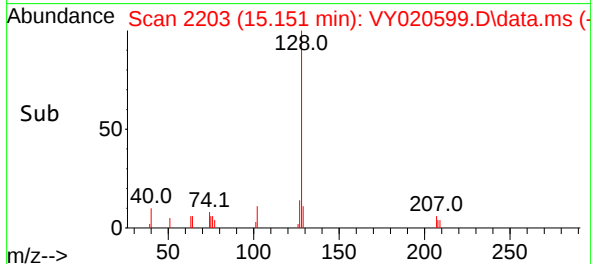
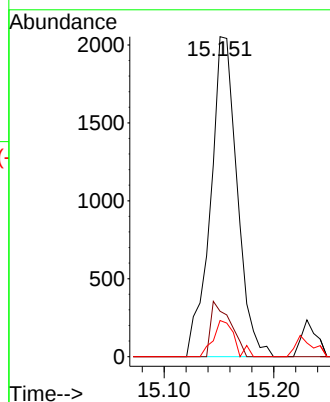
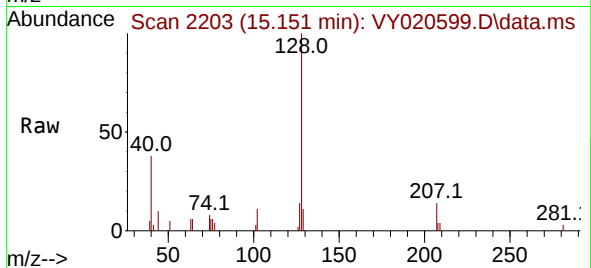
Acq: 13 Dec 2024 10:28

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 3472        |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 12.6  | 10.5 15.7   |
| 129         | 8.9   | 8.6 13.0    |



#96

1,2,3-Trichlorobenzene

Concen: 1.071 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. -0.000 min

Lab File: VY020599.D

Acq: 13 Dec 2024 10:28

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 1766        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 88.1  | 47.4 142.3  |
| 145         | 32.0  | 16.9 50.6   |

