

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102924\  
 Data File : VY020053.D  
 Acq On : 29 Oct 2024 12:05  
 Operator : SY/MD  
 Sample : P4566-01  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 30 01:22:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

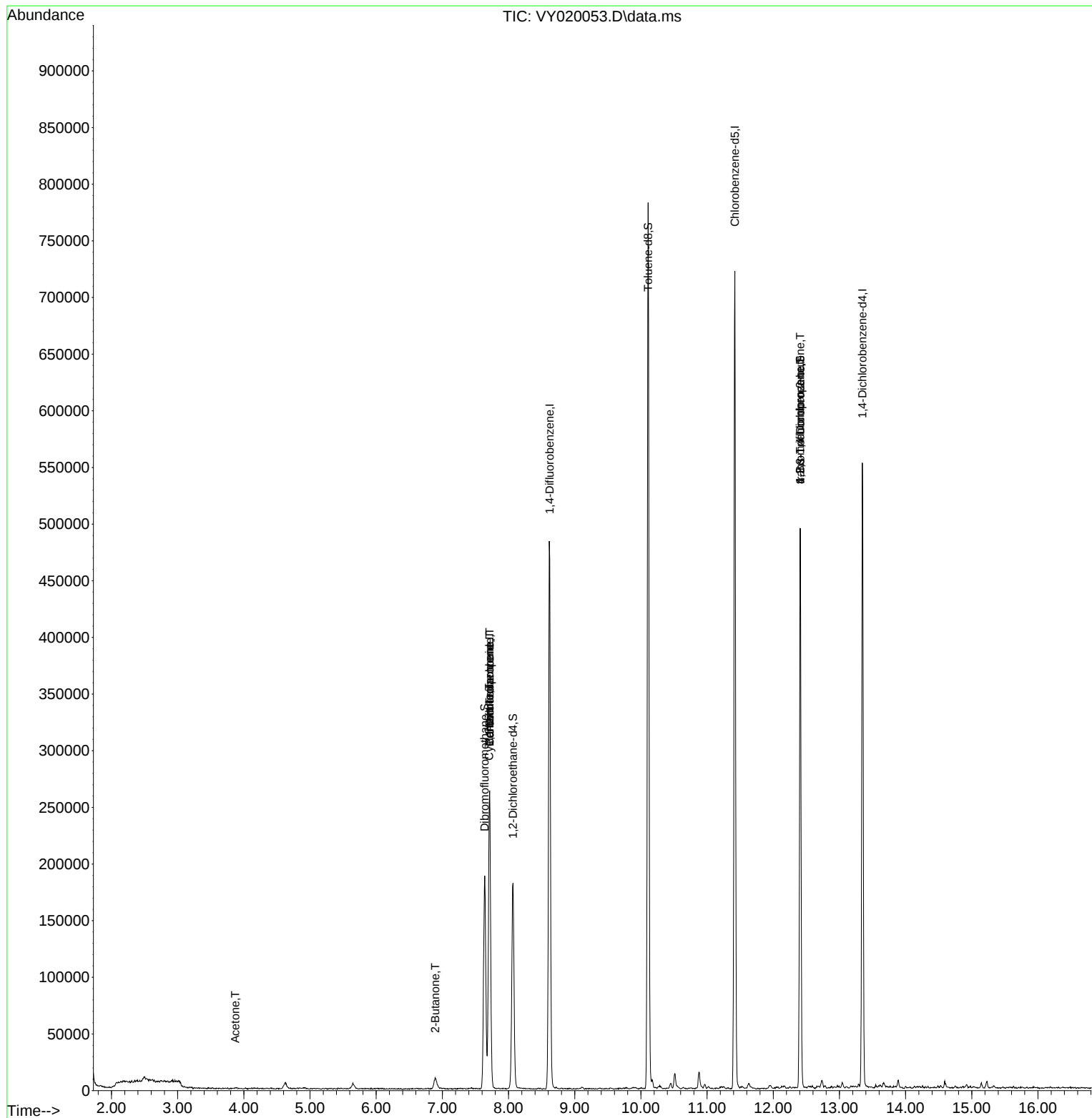
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 182042   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.622     | 114   | 386756   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 349622   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 121448   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067     | 65    | 141142   | 62.968    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 125.940% |          |
| 35) Dibromofluoromethane      | 7.640     | 113   | 130877   | 51.281    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 102.560% |          |
| 50) Toluene-d8                | 10.109    | 98    | 479693   | 50.897    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 101.800% |          |
| 62) 4-Bromofluorobenzene      | 12.407    | 95    | 143201   | 42.050    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery  | = 84.100%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.872     | 59    | 331      | Below Cal | #          | 88       |
| 16) Acetone                   | 3.872     | 43    | 1138     | 1.950     | ug/l #     | 85       |
| 25) 2-Butanone                | 6.890     | 43    | 1045     | 1.338     | ug/l #     | 41       |
| 31) Cyclohexane               | 7.707     | 56    | 5757     | 1.537     | ug/l #     | 18       |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 19077    | 5.188     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 20551    | 5.214     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.407    | 75    | 84212    | 35.396    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407    | 75    | 84212    | 142.871   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

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

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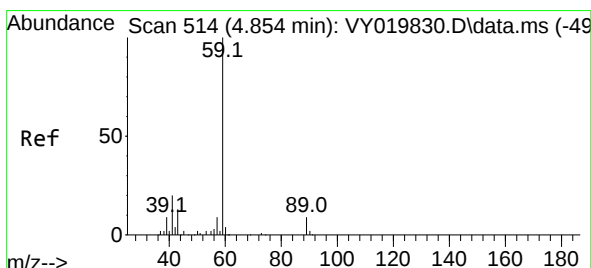
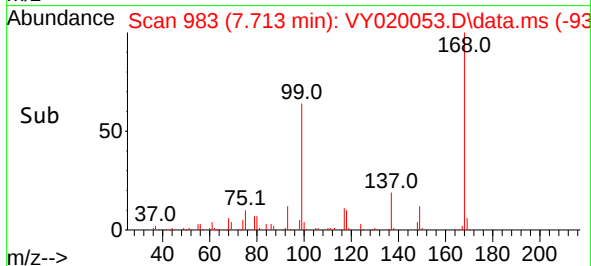
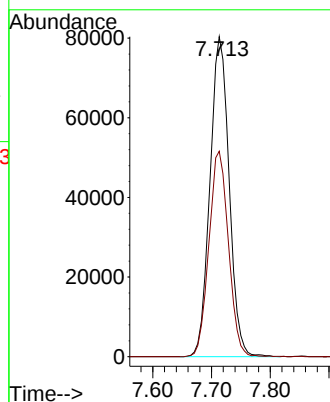
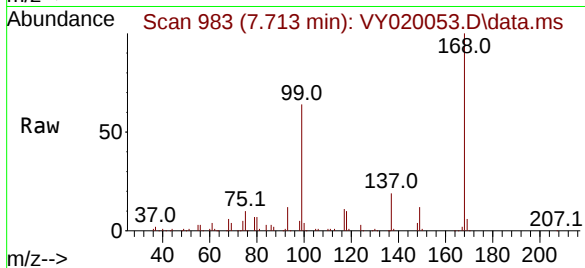




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY020053.D  
Acq: 29 Oct 2024 12:05

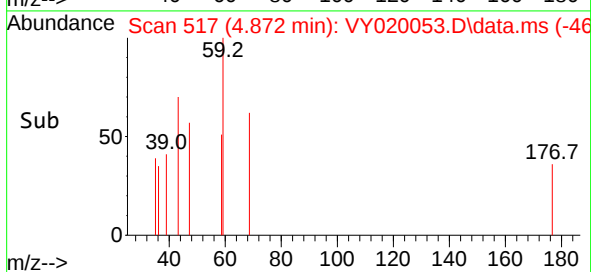
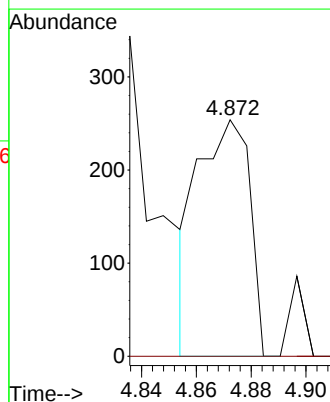
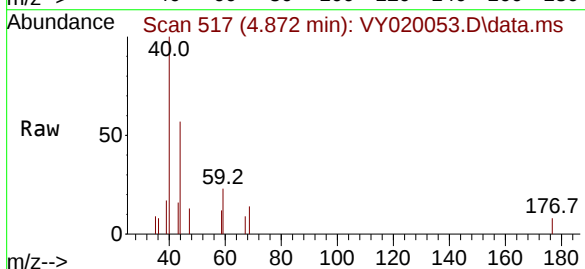
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 182042  
Ion Ratio Lower Upper  
168 100  
99 64.2 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.872 min Scan# 517  
Delta R.T. 0.012 min  
Lab File: VY020053.D  
Acq: 29 Oct 2024 12:05

Tgt Ion: 59 Resp: 331  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 1.950 ug/l

RT: 3.872 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

Instrument :

MSVOA\_Y

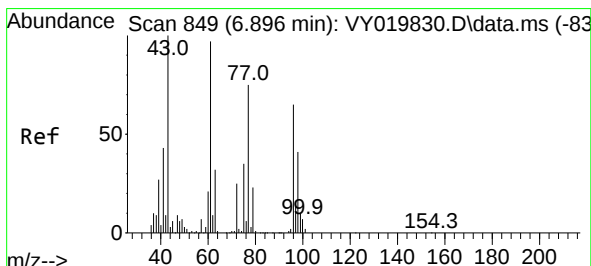
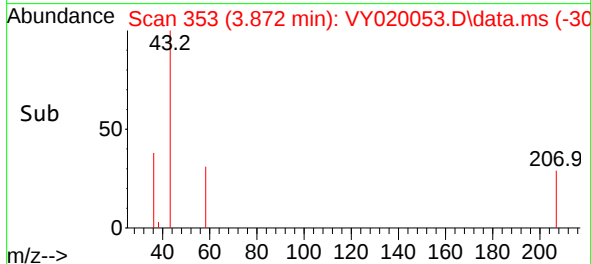
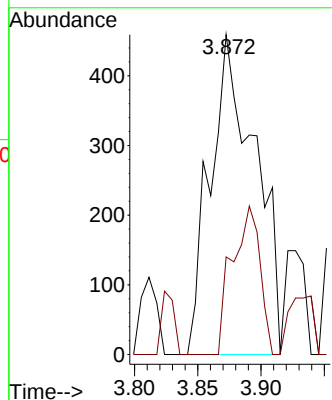
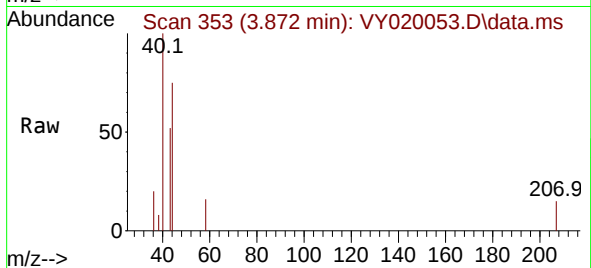
ClientSampleId :

Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

58 30.5 31.7 47.5#



#25

2-Butanone

Concen: 1.338 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020053.D

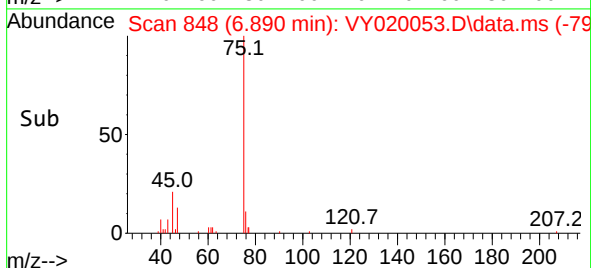
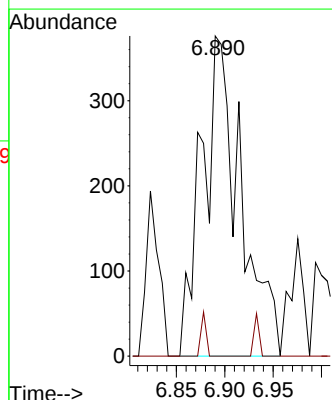
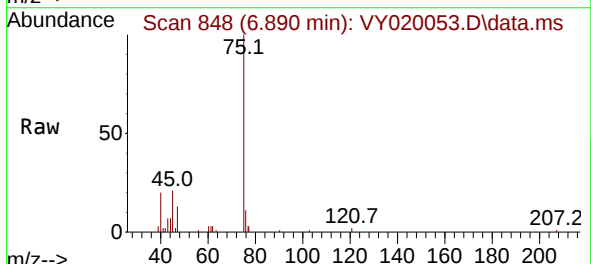
Acq: 29 Oct 2024 12:05

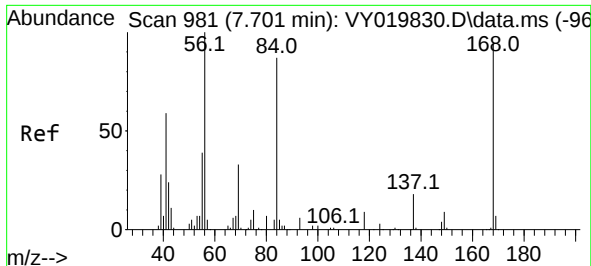
Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

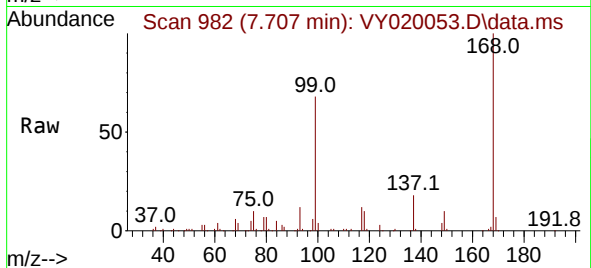
72 0.0 27.3 40.9#



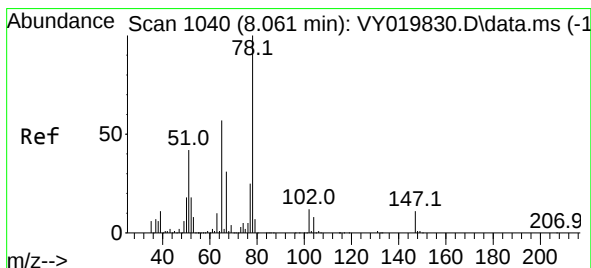
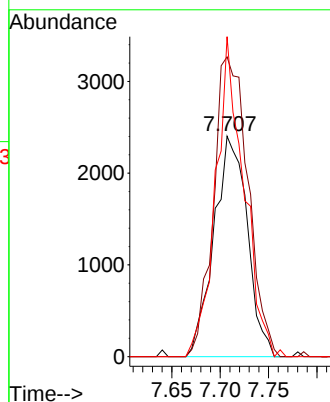
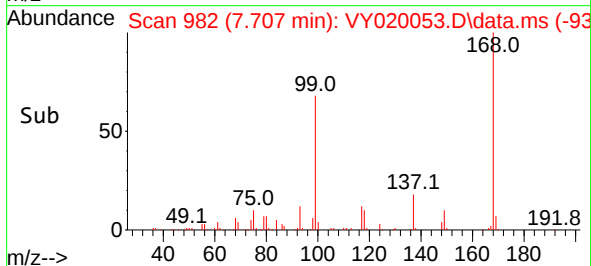


#31  
Cyclohexane  
Concen: 1.537 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY020053.D  
Acq: 29 Oct 2024 12:05

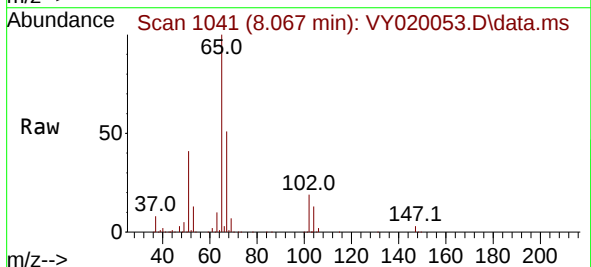
Instrument :  
MSVOA\_Y  
ClientSampleId :



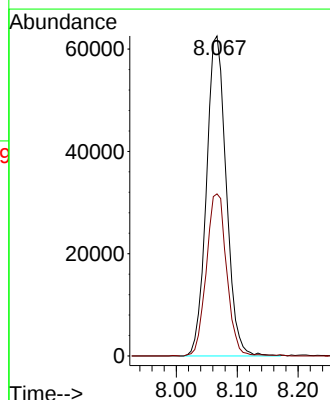
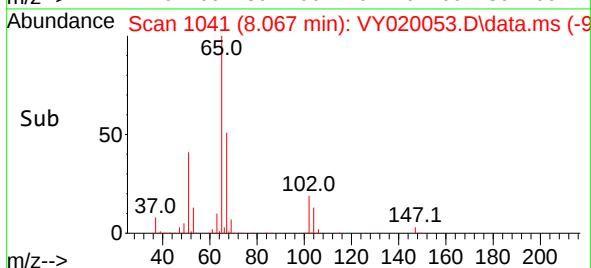
Tgt Ion: 56 Resp: 5757  
Ion Ratio Lower Upper  
56 100  
69 136.0 28.7 43.1#  
84 145.1 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 62.968 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY020053.D  
Acq: 29 Oct 2024 12:05



Tgt Ion: 65 Resp: 141142  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

Instrument :

MSVOA\_Y

ClientSampleId :

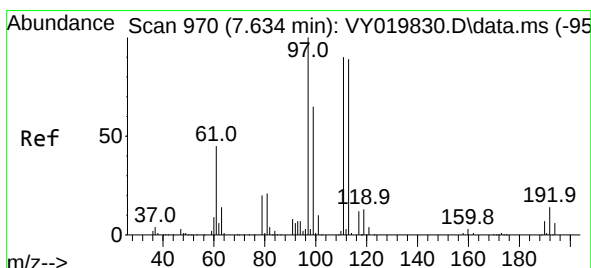
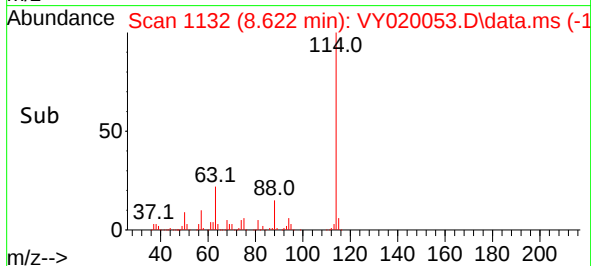
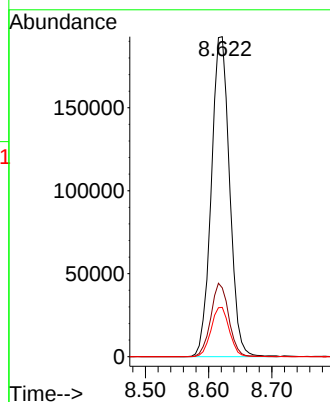
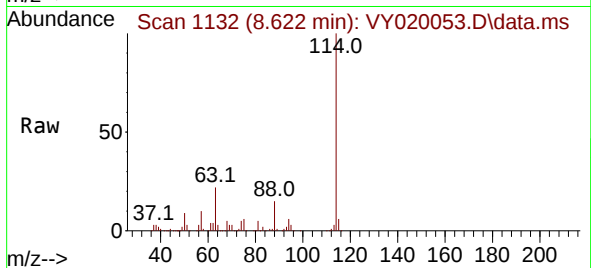
Tgt Ion:114 Resp: 386756

Ion Ratio Lower Upper

114 100

63 21.5 0.0 35.0

88 15.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.281 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

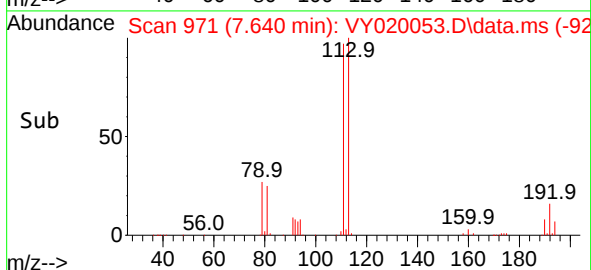
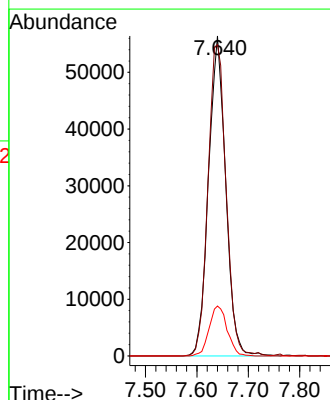
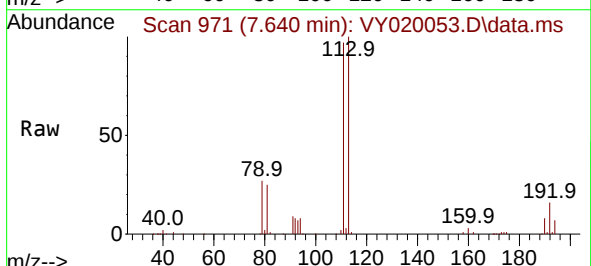
Tgt Ion:113 Resp: 130877

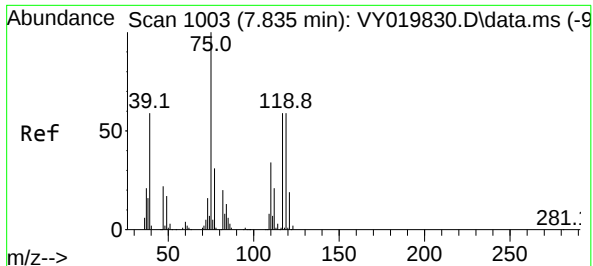
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 16.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.188 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

Instrument :

MSVOA\_Y

ClientSampleId :

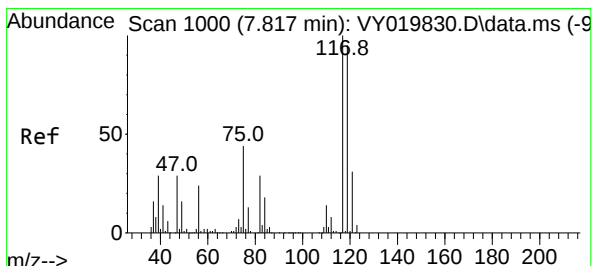
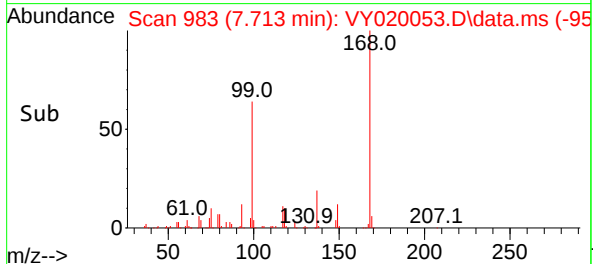
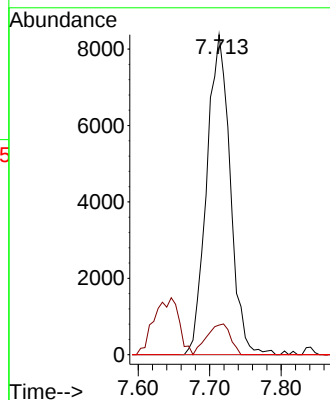
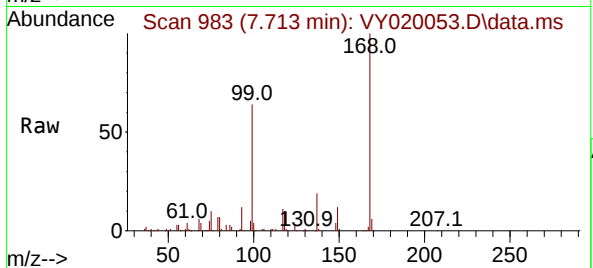
Tgt Ion: 75 Resp: 19077

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.214 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

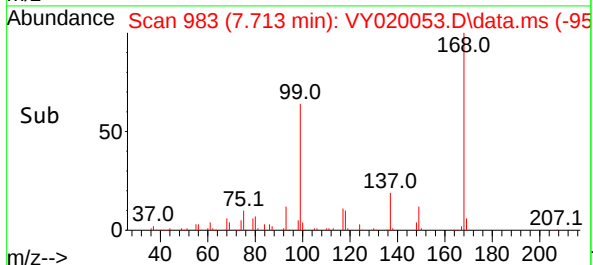
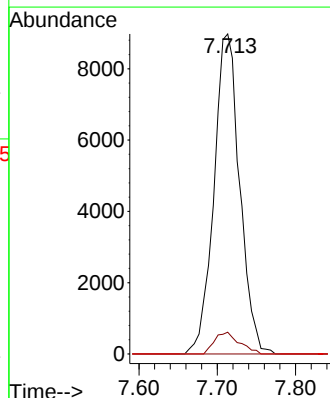
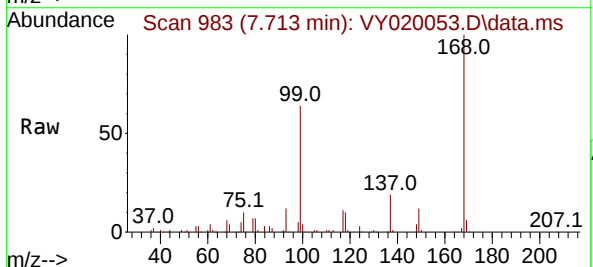
Tgt Ion: 117 Resp: 20551

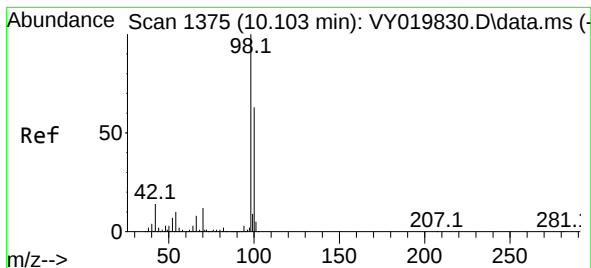
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 50.897 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

Instrument :

MSVOA\_Y

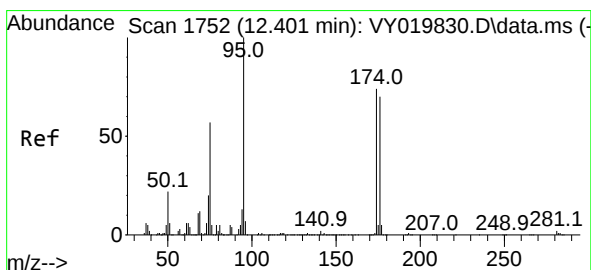
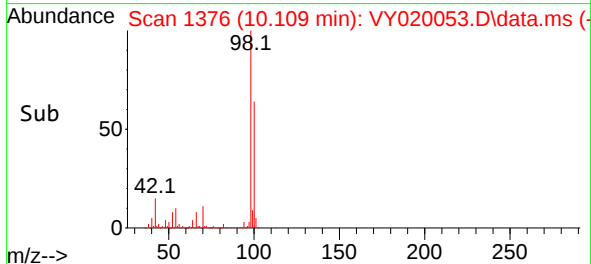
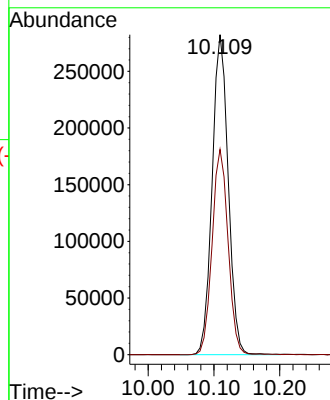
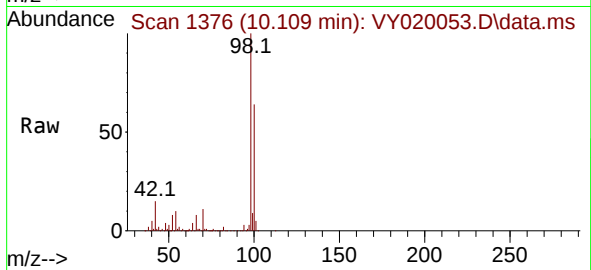
ClientSampleId :

Tgt Ion: 98 Resp: 479693

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.050 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

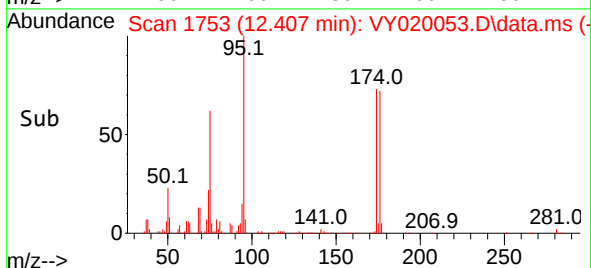
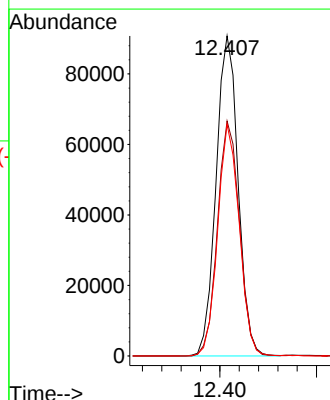
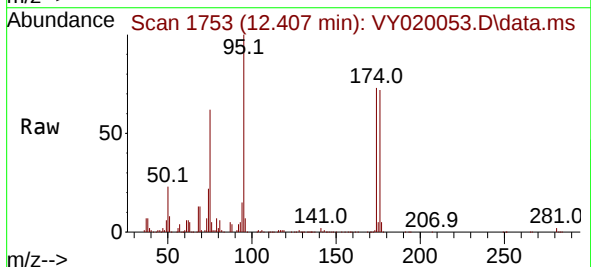
Tgt Ion: 95 Resp: 143201

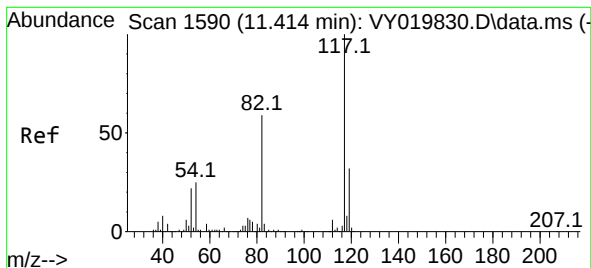
Ion Ratio Lower Upper

95 100

174 73.6 0.0 175.6

176 70.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

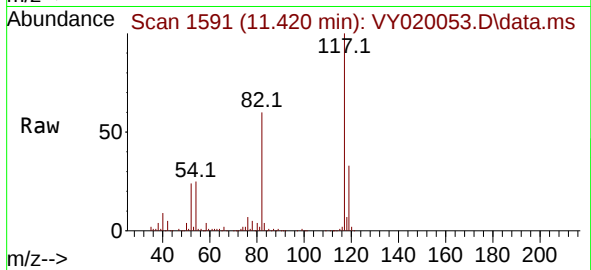
Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

Instrument :

MSVOA\_Y

ClientSampleId :



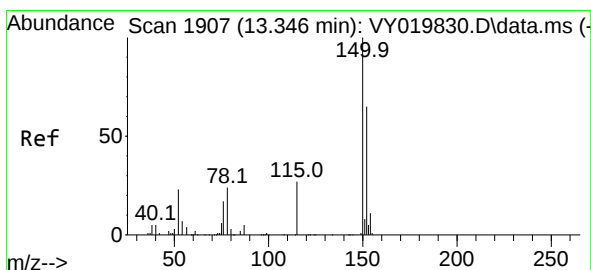
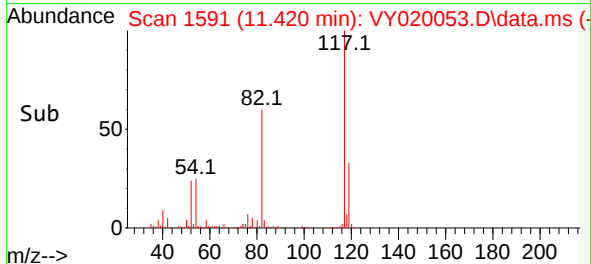
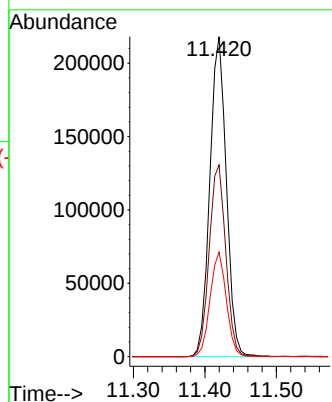
Tgt Ion:117 Resp: 349622

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020053.D

Acq: 29 Oct 2024 12:05

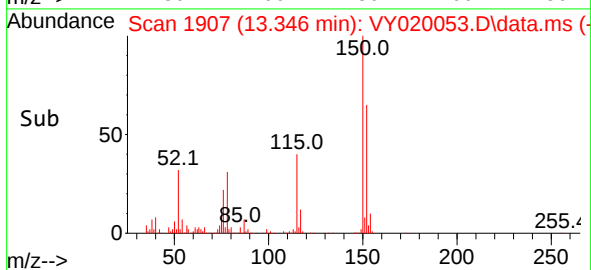
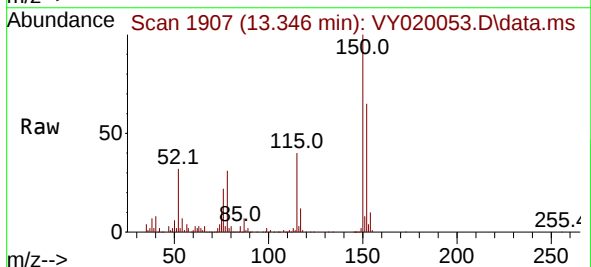
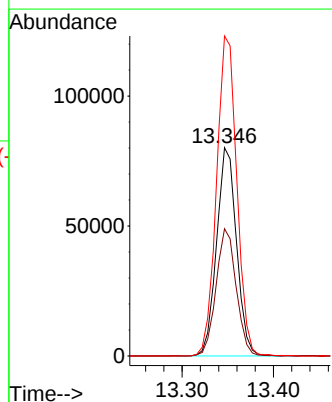
Tgt Ion:152 Resp: 121448

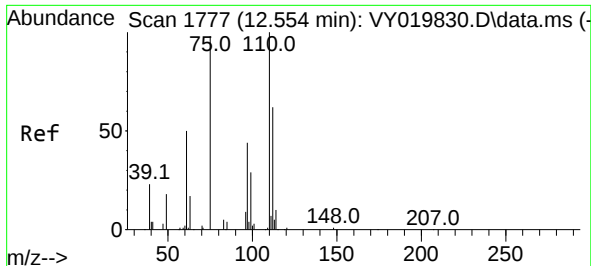
Ion Ratio Lower Upper

152 100

115 61.8 28.2 84.7

150 156.3 0.0 345.6

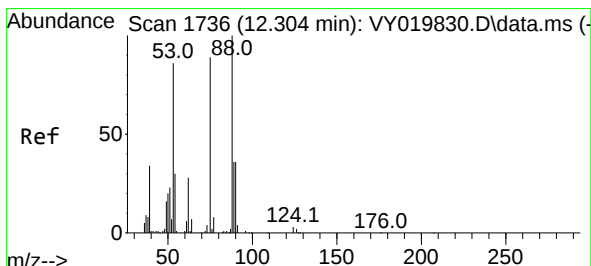
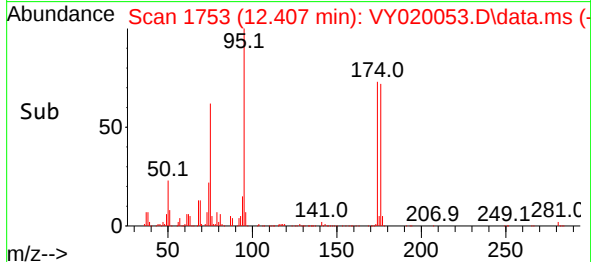
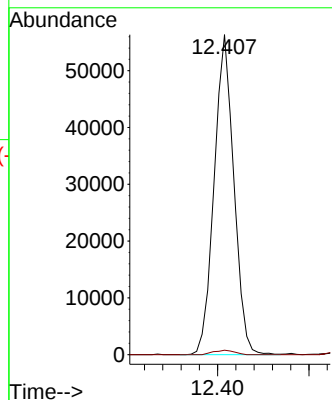
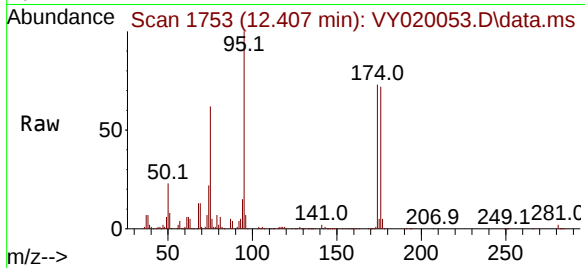




#76  
1,2,3-Trichloropropane  
Concen: 35.396 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY020053.D  
Acq: 29 Oct 2024 12:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 84212  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 142.871 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY020053.D  
Acq: 29 Oct 2024 12:05

Tgt Ion: 75 Resp: 84212  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.8 100.2#  
89 0.0 35.8 53.6#

