

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120924\  
 Data File : VY020553.D  
 Acq On : 09 Dec 2024 14:10  
 Operator : SY/MD  
 Sample : P5176-03  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 10 04:01:02 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      | 7.707  | 168  | 191899   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 325989   | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 270299   | 50.000 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 101900   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 109989   | 56.357   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.720% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 104753   | 51.043   | ug/l | -0.02    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.080% |
| 50) Toluene-d8              | 10.103 | 98    | 388309   | 49.690   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.380%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 116301   | 42.552   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 85.100%  |

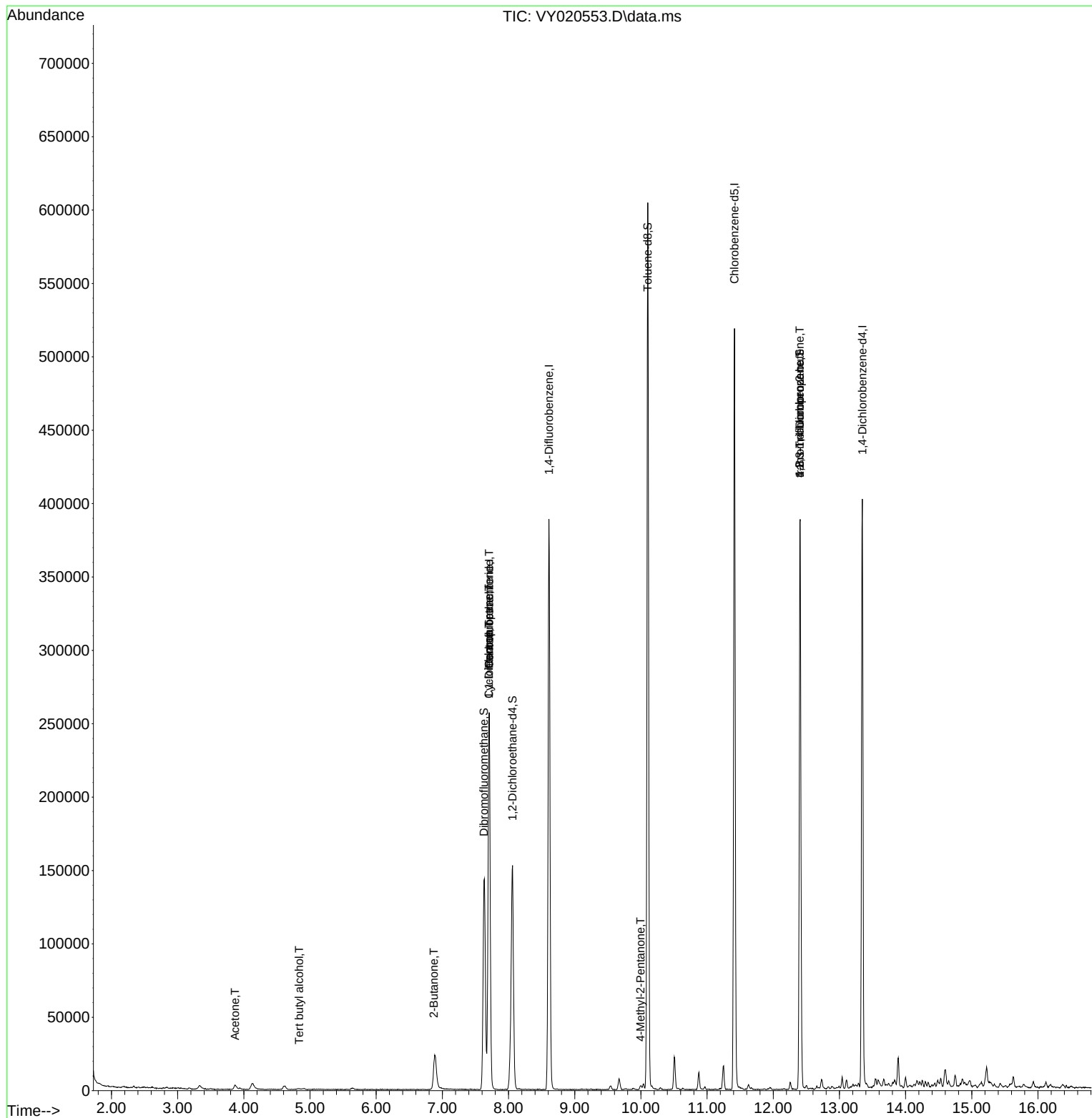
| Target Compounds              |        |     |       |         | Qvalue |     |
|-------------------------------|--------|-----|-------|---------|--------|-----|
| 11) Tert butyl alcohol        | 4.836  | 59  | 781   | 6.169   | ug/l # | 73  |
| 16) Acetone                   | 3.866  | 43  | 5724  | 11.795  | ug/l # | 84  |
| 25) 2-Butanone                | 6.872  | 43  | 912   | 1.488   | ug/l # | 50  |
| 31) Cyclohexane               | 7.701  | 56  | 4132  | 1.075   | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.701  | 75  | 15181 | 4.380   | ug/l # | 52  |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 20141 | 4.869   | ug/l # | 17  |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43  | 2053  | 1.499   | ug/l   | 94  |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75  | 62678 | 60.381  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75  | 62678 | 123.893 | ug/l # | 9   |

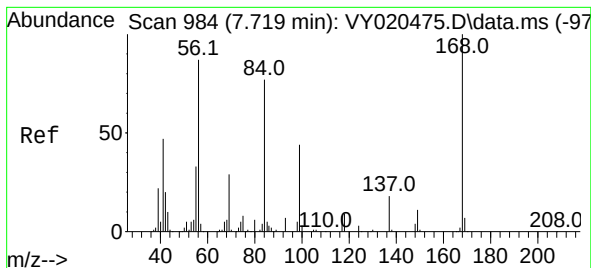
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 10 04:01:02 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: 7.707 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

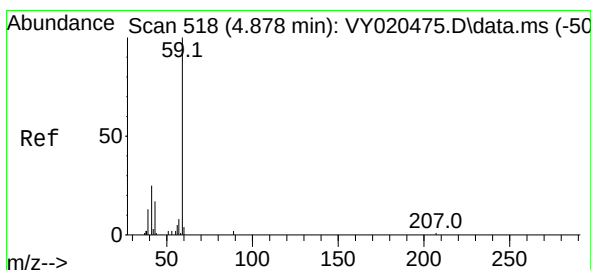
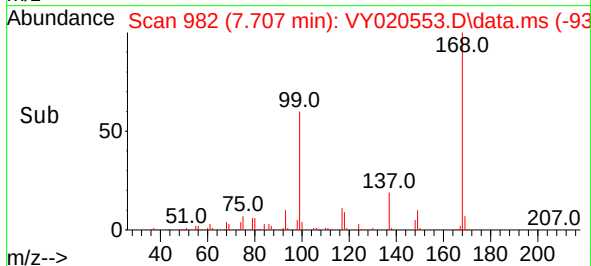
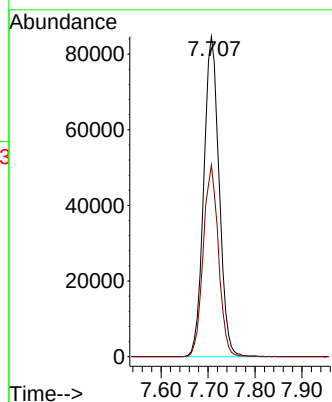
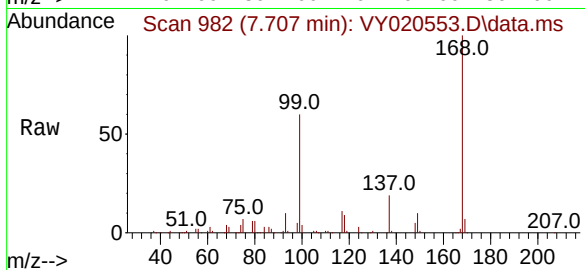
ClientSampleId :

Tgt Ion:168 Resp: 191899

Ion Ratio Lower Upper

168 100

99 59.9 46.6 69.8



#11

Tert butyl alcohol

Concen: 6.169 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.043 min

Lab File: VY020553.D

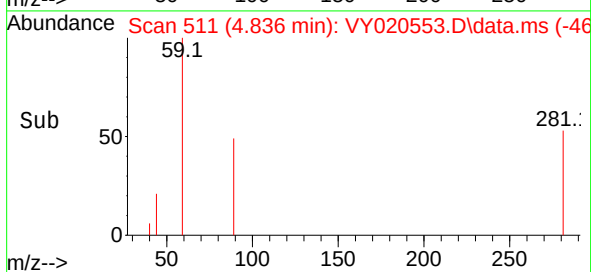
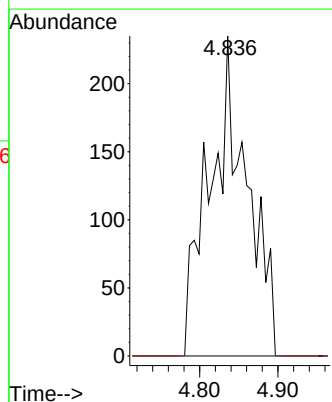
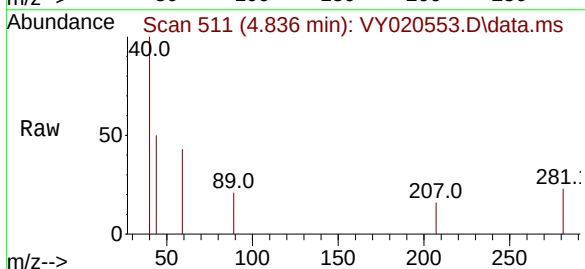
Acq: 09 Dec 2024 14:10

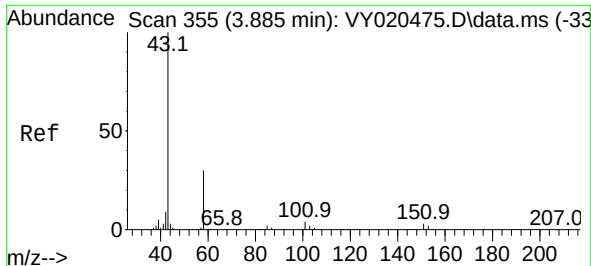
Tgt Ion: 59 Resp: 781

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: 11.795 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.018 min

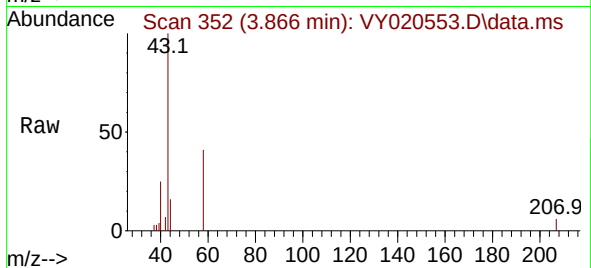
Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

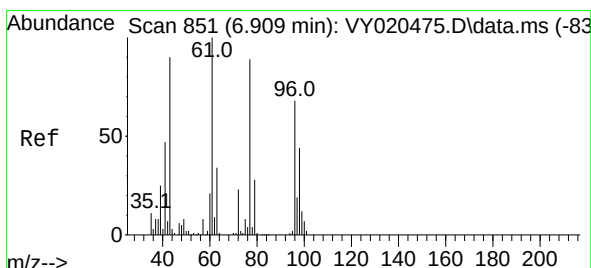
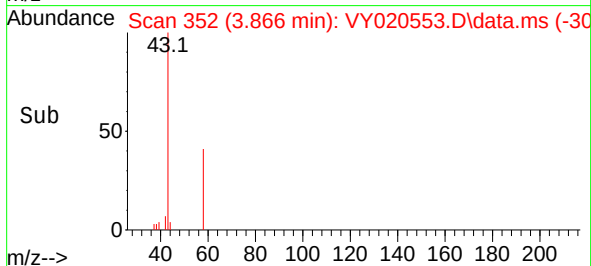
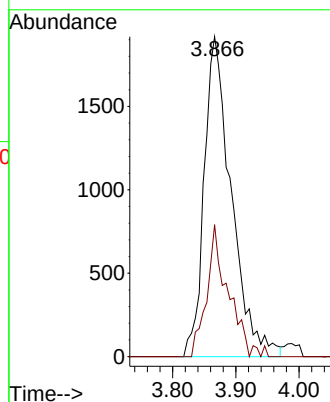


Tgt Ion: 43 Resp: 5724

Ion Ratio Lower Upper

43 100

58 41.2 25.7 38.5#



#25

2-Butanone

Concen: 1.488 ug/l

RT: 6.872 min Scan# 845

Delta R.T. -0.037 min

Lab File: VY020553.D

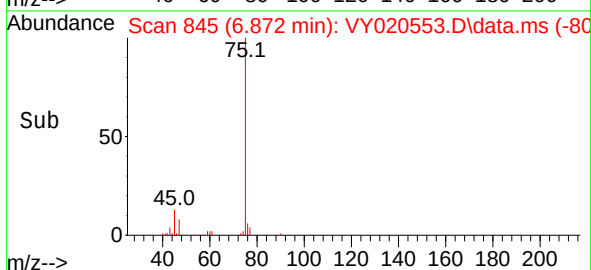
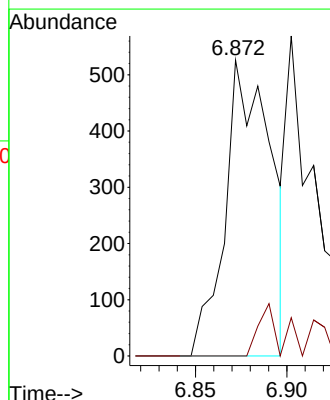
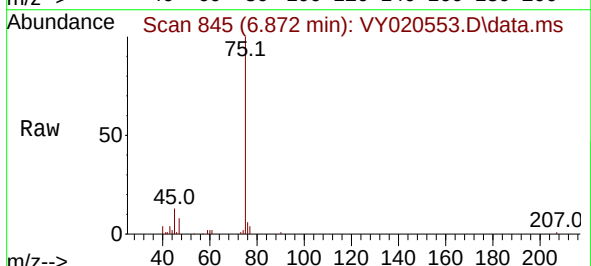
Acq: 09 Dec 2024 14:10

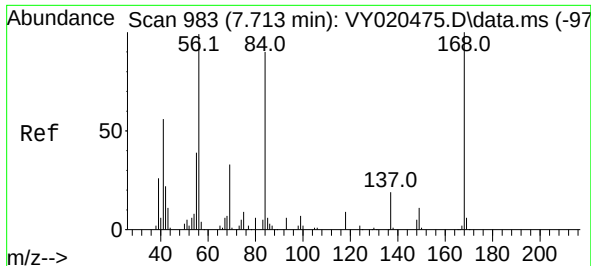
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

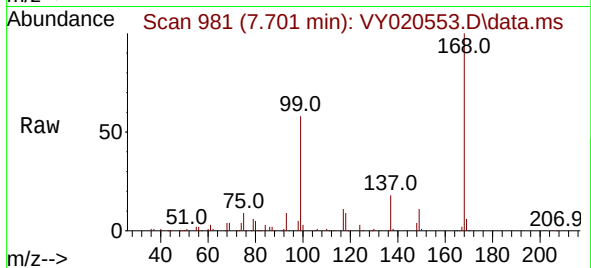
72 0.0 20.4 30.6#



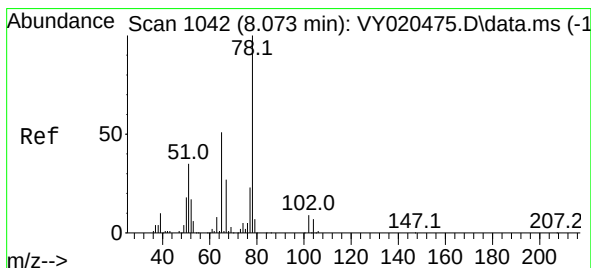
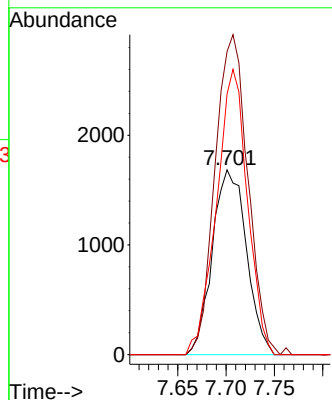
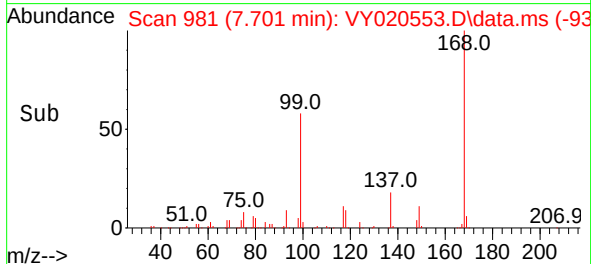


#31  
Cyclohexane  
Concen: 1.075 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY020553.D  
Acq: 09 Dec 2024 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :

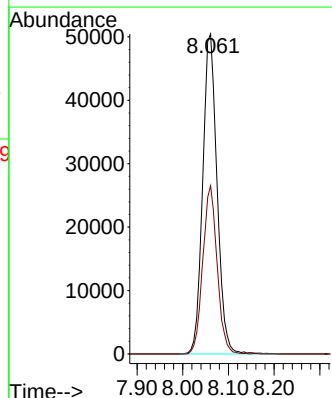
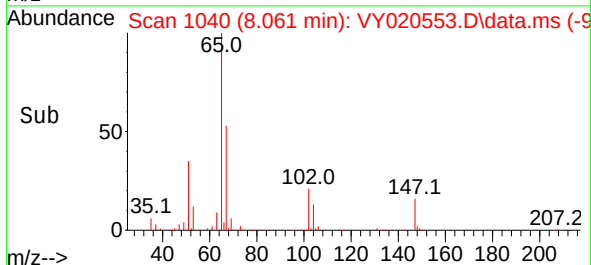
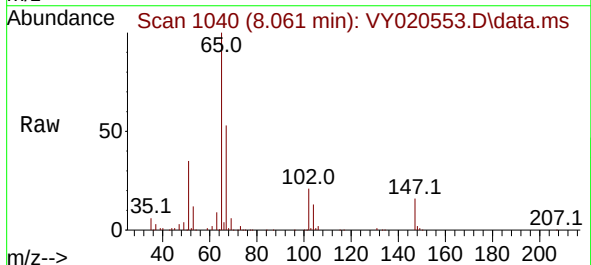


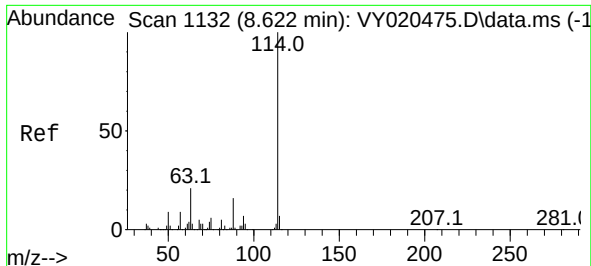
Tgt Ion: 56 Resp: 4132  
Ion Ratio Lower Upper  
56 100  
69 164.0 25.3 37.9#  
84 141.1 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 56.357 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020553.D  
Acq: 09 Dec 2024 14:10

Tgt Ion: 65 Resp: 109989  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

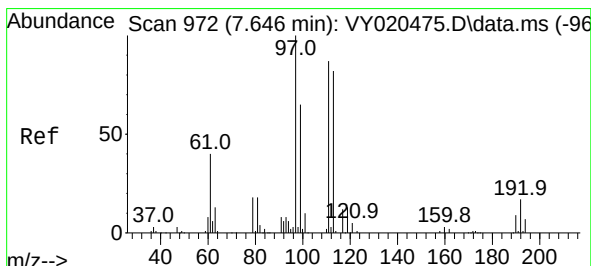
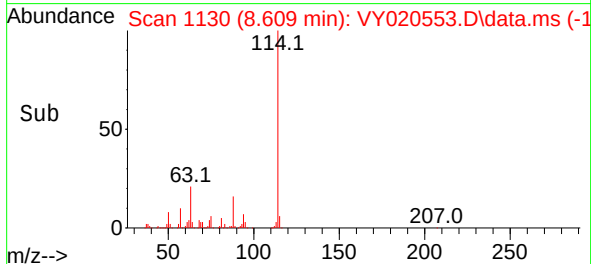
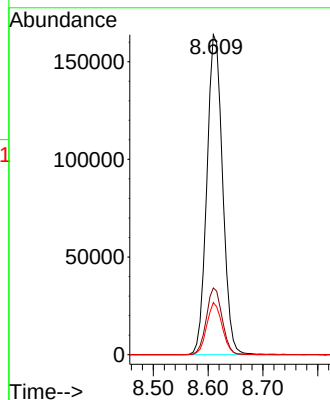
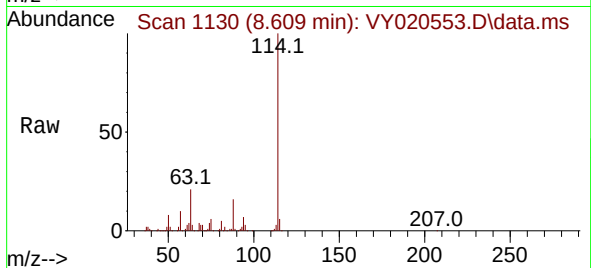
Tgt Ion:114 Resp: 325989

Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.8

88 16.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.043 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.018 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

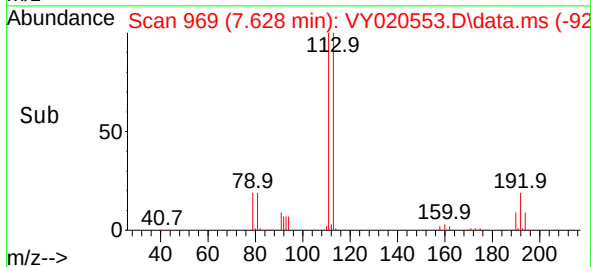
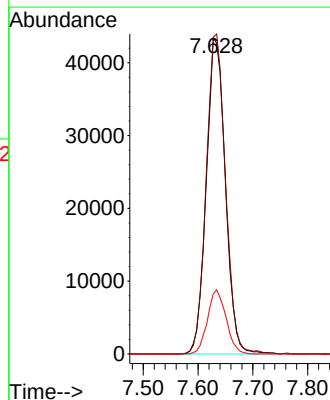
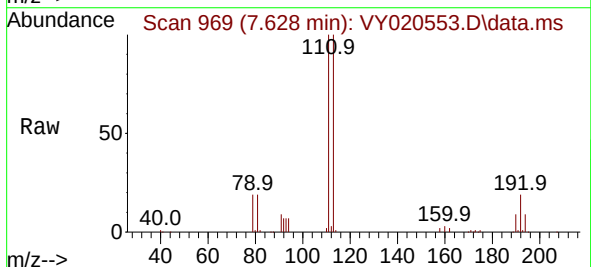
Tgt Ion:113 Resp: 104753

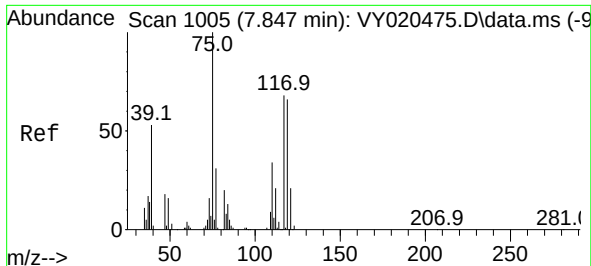
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 19.8 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.146 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

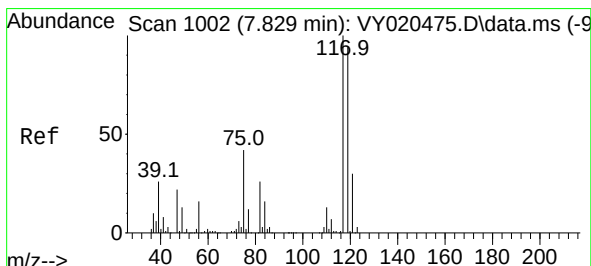
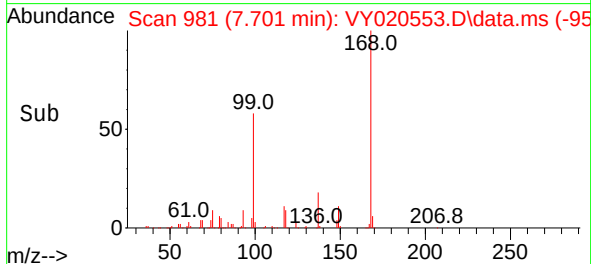
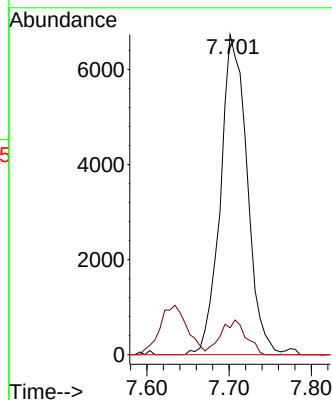
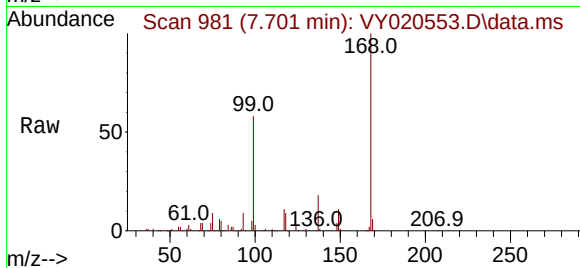
Tgt Ion: 75 Resp: 15181

Ion Ratio Lower Upper

75 100

110 10.4 16.7 50.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.869 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

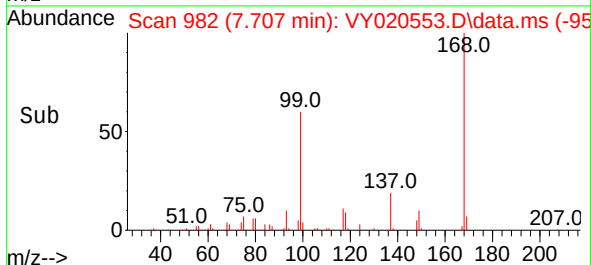
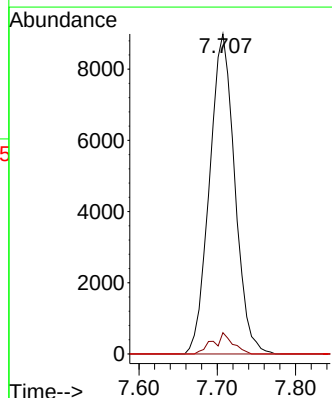
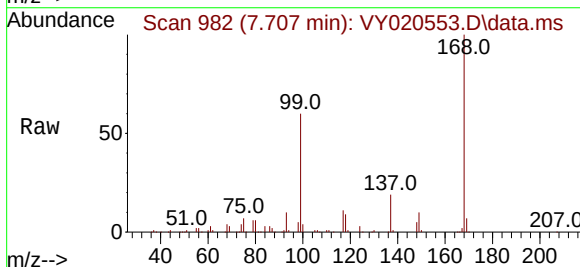
Tgt Ion: 117 Resp: 20141

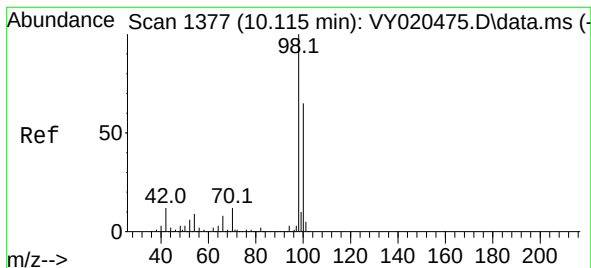
Ion Ratio Lower Upper

117 100

119 6.7 77.8 116.6#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 49.690 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

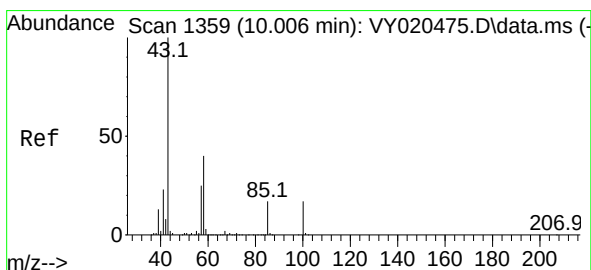
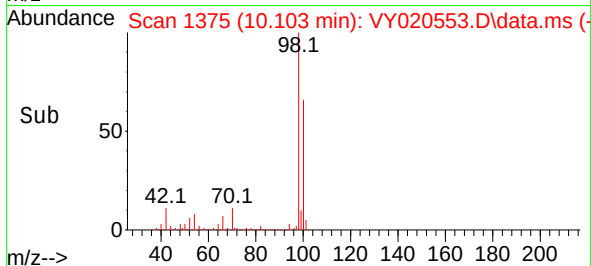
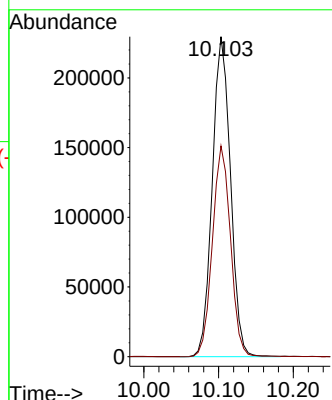
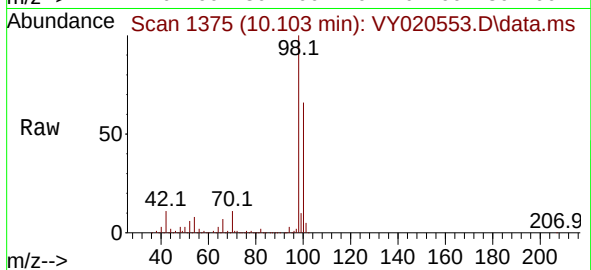
ClientSampleId :

Tgt Ion: 98 Resp: 388309

Ion Ratio Lower Upper

98 100

100 65.5 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.499 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.012 min

Lab File: VY020553.D

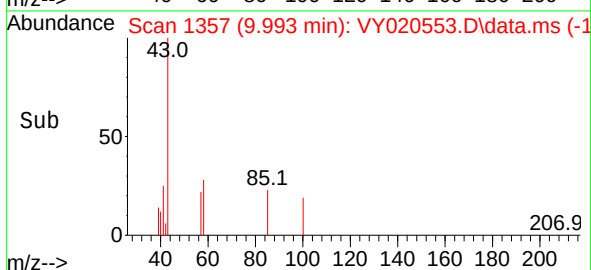
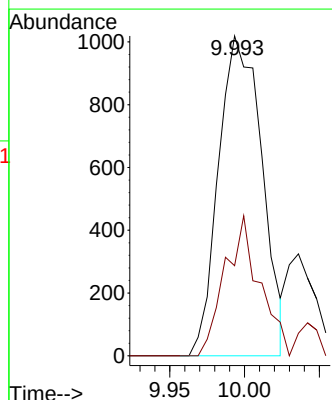
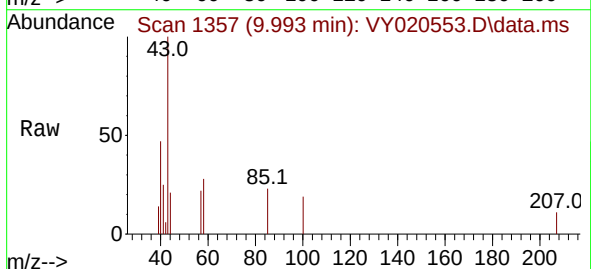
Acq: 09 Dec 2024 14:10

Tgt Ion: 43 Resp: 2053

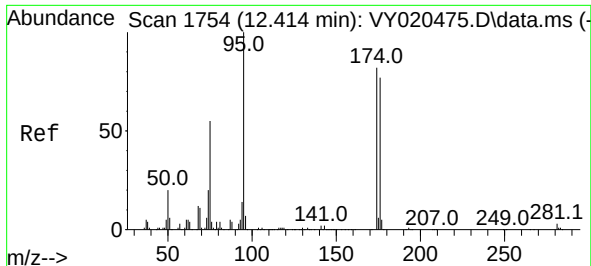
Ion Ratio Lower Upper

43 100

58 35.0 30.9 46.3







#62

4-Bromofluorobenzene

Concen: 42.552 ug/l

RT: 12.401 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

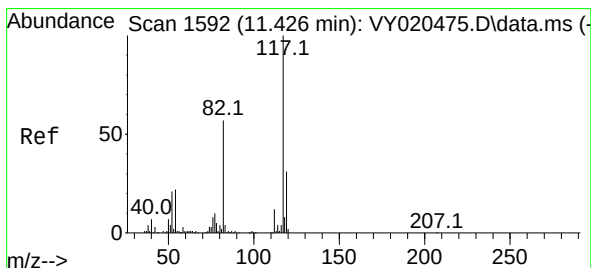
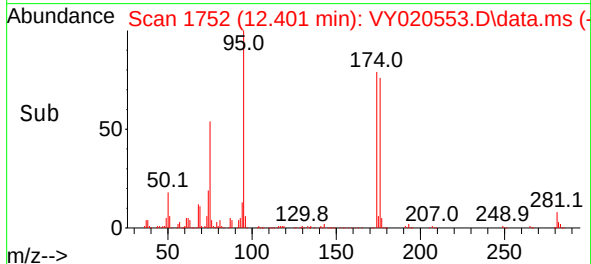
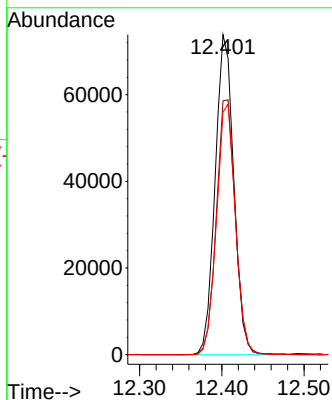
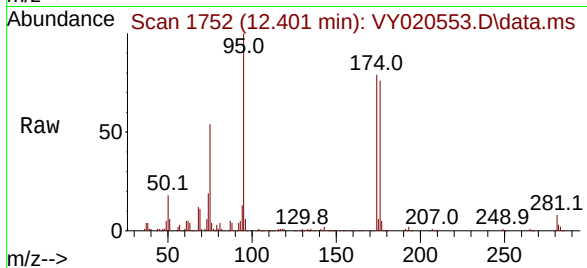
Tgt Ion: 95 Resp: 116301

Ion Ratio Lower Upper

95 100

174 81.6 0.0 156.8

176 79.2 0.0 152.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.012 min

Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

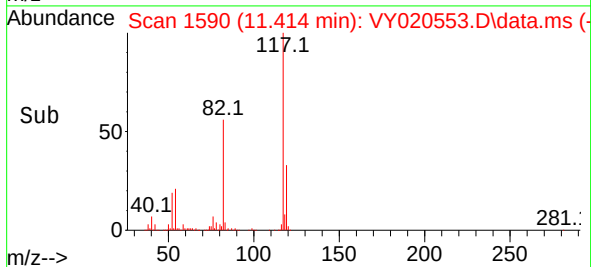
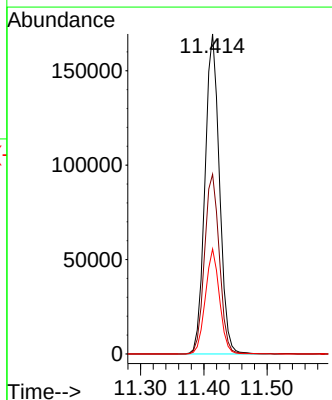
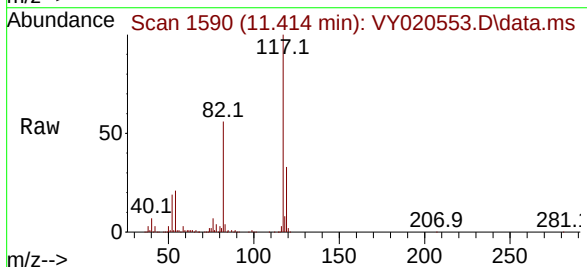
Tgt Ion: 117 Resp: 270299

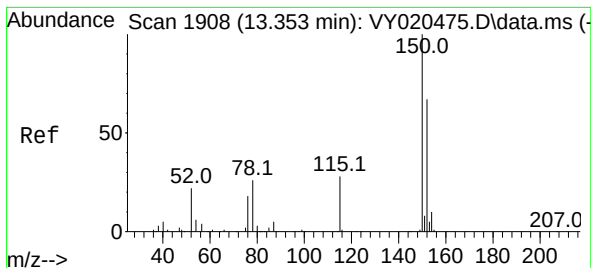
Ion Ratio Lower Upper

117 100

82 56.2 48.2 72.4

119 32.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1

Delta R.T. -0.006 min

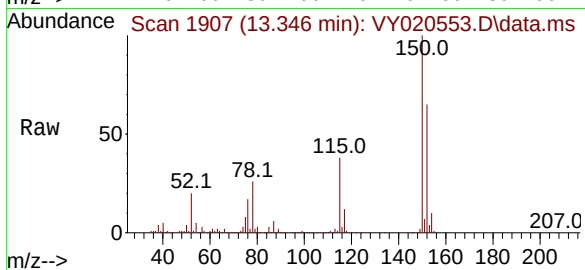
Lab File: VY020553.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :



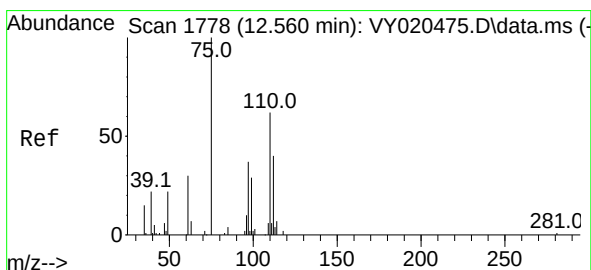
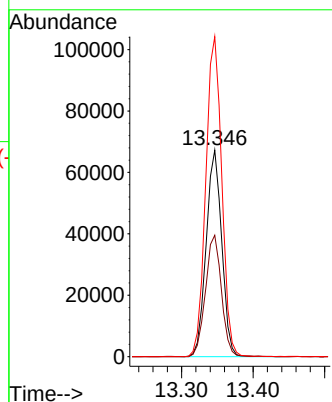
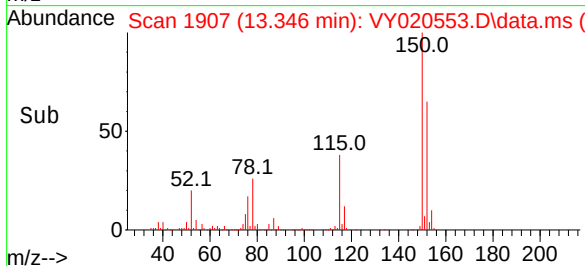
Tgt Ion:152 Resp: 101900

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

150 158.9 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 60.381 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY020553.D

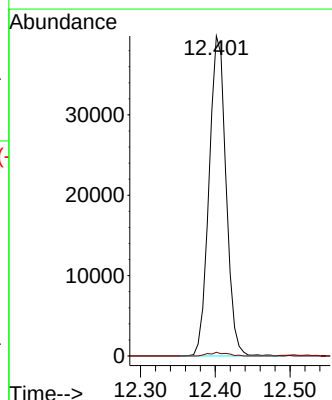
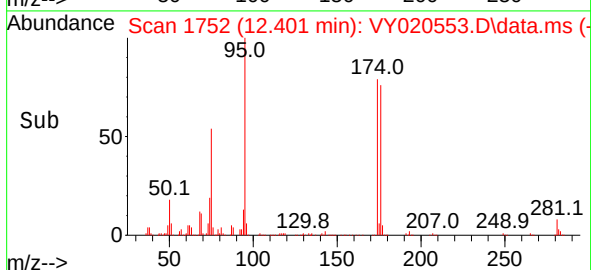
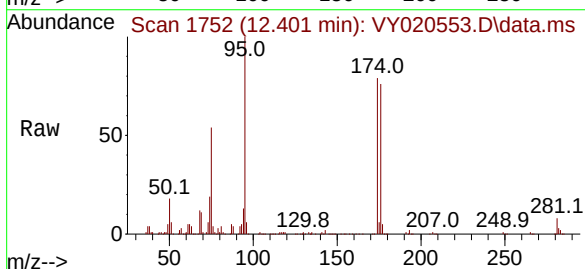
Acq: 09 Dec 2024 14:10

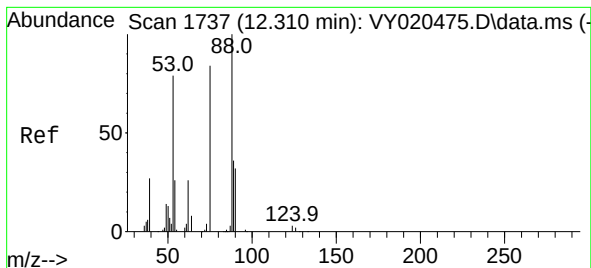
Tgt Ion: 75 Resp: 62678

Ion Ratio Lower Upper

75 100

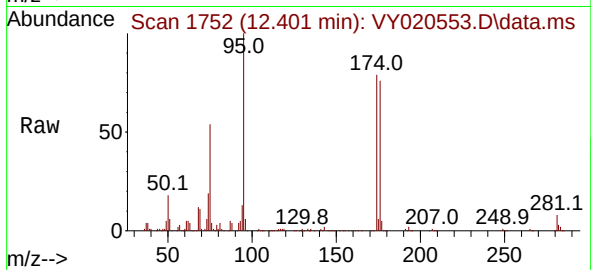
77 1.2 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.893 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. 0.091 min  
Lab File: VY020553.D  
Acq: 09 Dec 2024 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 62678  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.2 35.1 52.7#

