

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120924\  
 Data File : VY020555.D  
 Acq On : 09 Dec 2024 15:16  
 Operator : SY/MD  
 Sample : P5216-03  
 Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 10 04:01:42 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

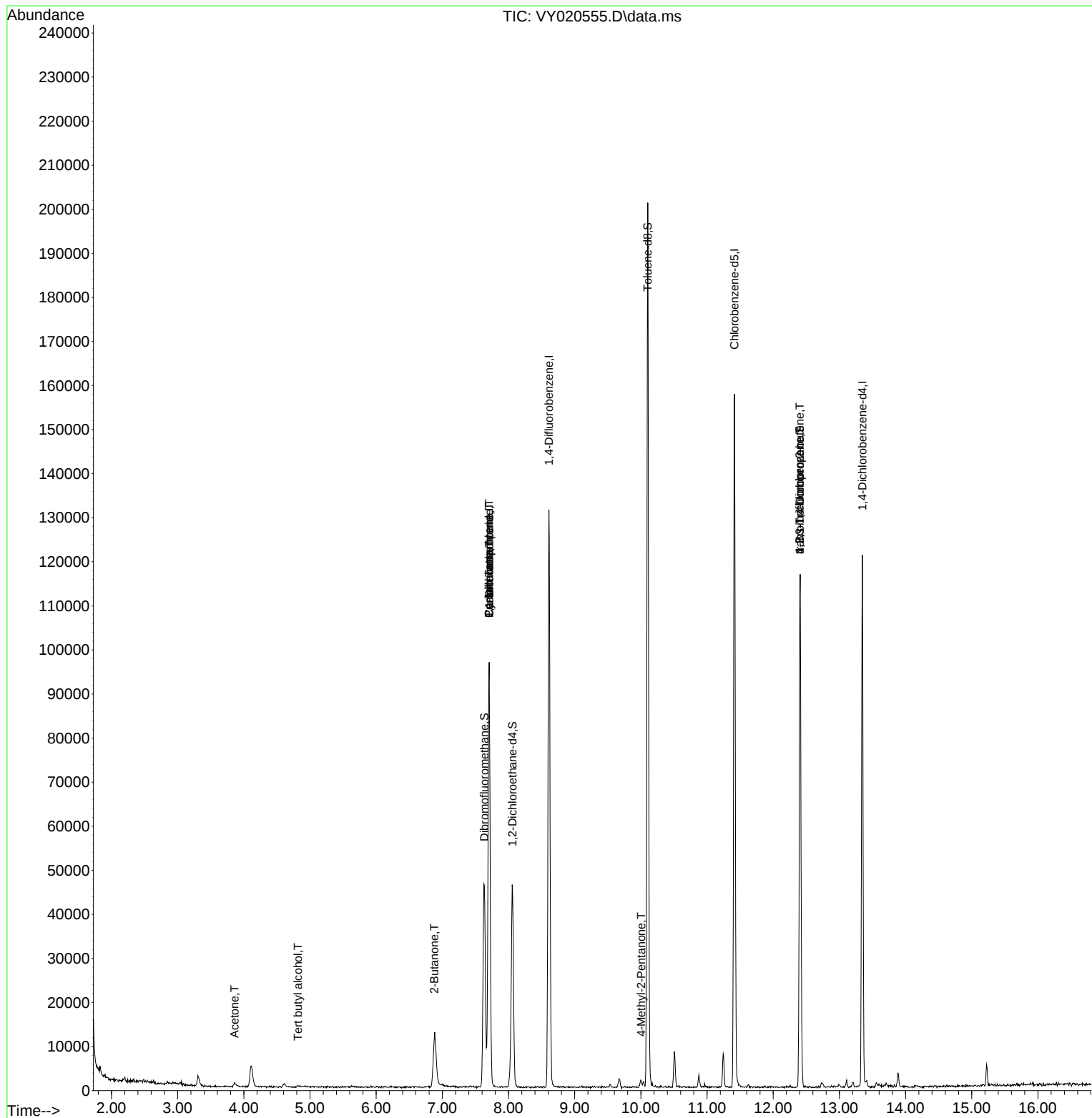
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 72867    | 50.000   | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 111493   | 50.000   | ug/l   | -0.01    |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 84520    | 50.000   | ug/l   | -0.01    |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 30112    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 35768    | 48.265   | ug/l   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 96.540%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 34354    | 48.944   | ug/l   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 97.880%  |
| 50) Toluene-d8                | 10.103 | 98    | 129571   | 48.479   | ug/l   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 96.960%  |
| 62) 4-Bromofluorobenzene      | 12.402 | 95    | 35597    | 38.081   | ug/l   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery | =      | 76.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.818  | 59    | 280      | 5.825    | ug/l # | 73       |
| 16) Acetone                   | 3.860  | 43    | 1453     | 7.885    | ug/l   | 96       |
| 25) 2-Butanone                | 6.878  | 43    | 934      | 4.014    | ug/l # | 50       |
| 31) Cyclohexane               | 7.707  | 56    | 1462     | 1.001    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 5694     | 4.804    | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 7871     | 5.564    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.006 | 43    | 1206     | 2.575    | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 19050    | 62.103   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 19050    | 127.427  | ug/l # | 9        |
| -----                         |        |       |          |          |        |          |

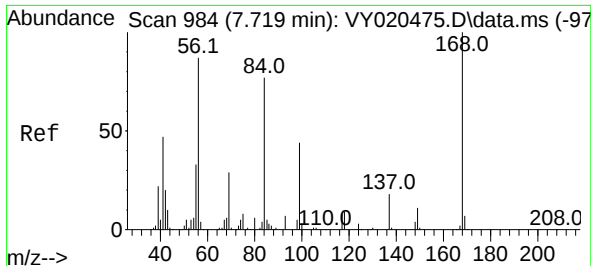
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120924\  
Data File : VY020555.D  
Acq On : 09 Dec 2024 15:16  
Operator : SY/MD  
Sample : P5216-03  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 10 04:01:42 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

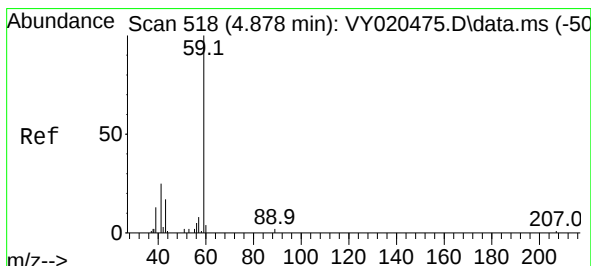
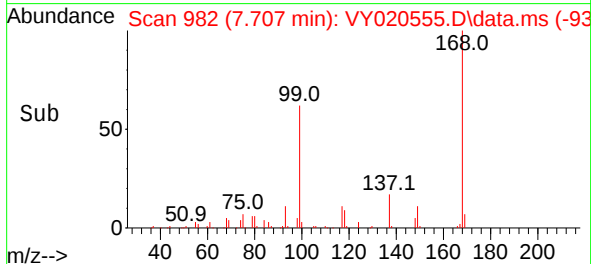
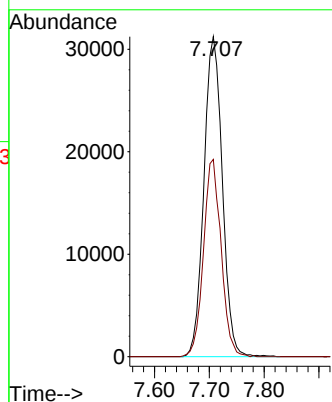
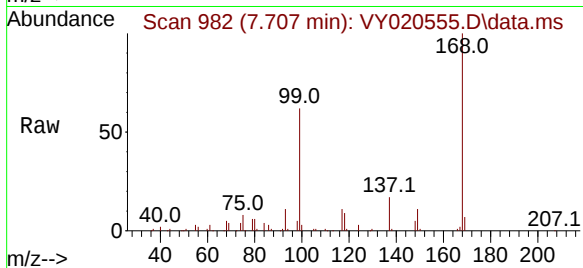




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

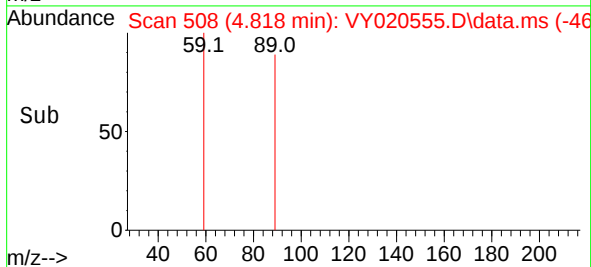
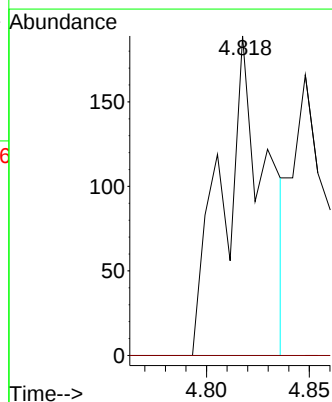
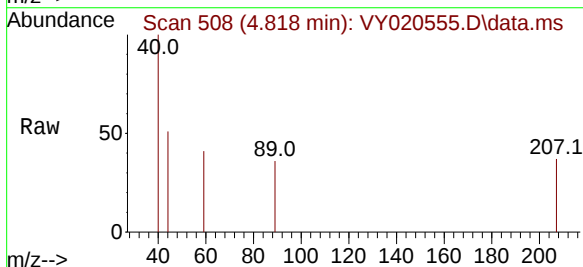
Instrument :  
MSVOA\_Y  
ClientSampleId :

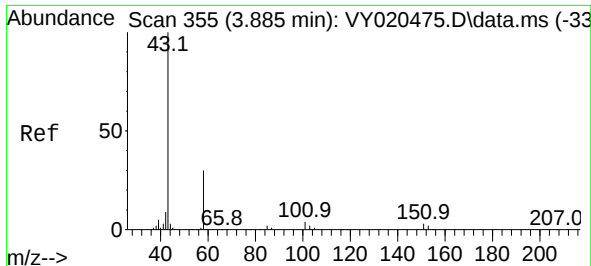
Tgt Ion:168 Resp: 72867  
Ion Ratio Lower Upper  
168 100  
99 61.6 46.6 69.8



#11  
Tert butyl alcohol  
Concen: 5.825 ug/l  
RT: 4.818 min Scan# 508  
Delta R.T. -0.061 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

Tgt Ion: 59 Resp: 280  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#





#16

Acetone

Concen: 7.885 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.024 min

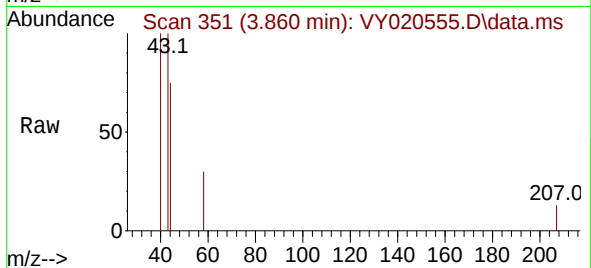
Lab File: VY020555.D

Acq: 09 Dec 2024 15:16

Instrument :

MSVOA\_Y

ClientSampleId :

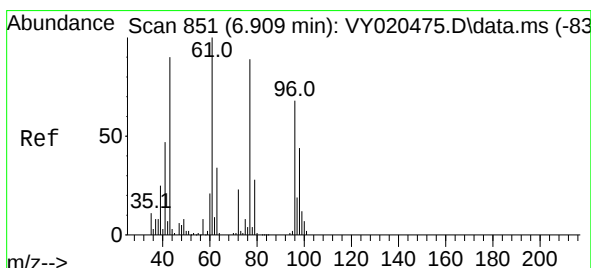
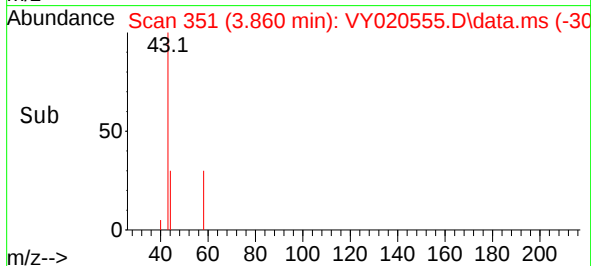
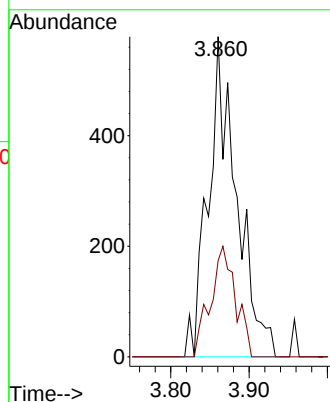


Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

43 100

58 30.1 25.7 38.5



#25

2-Butanone

Concen: 4.014 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.030 min

Lab File: VY020555.D

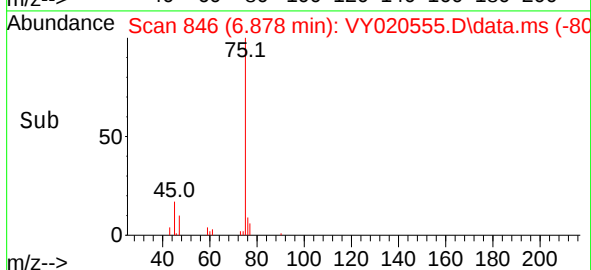
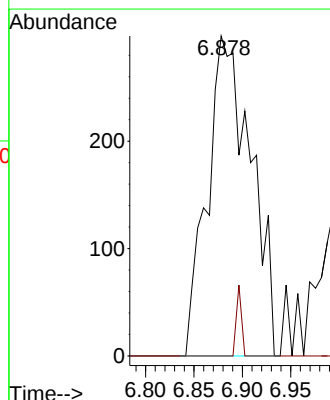
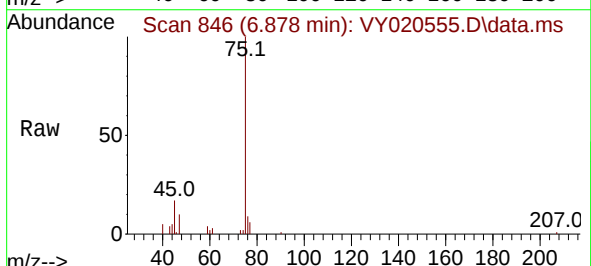
Acq: 09 Dec 2024 15:16

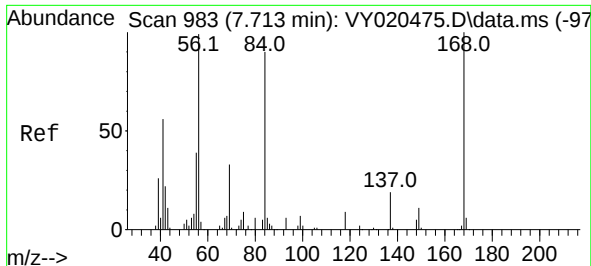
Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

43 100

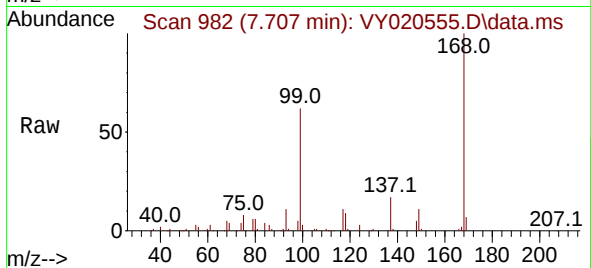
72 0.0 20.4 30.6#



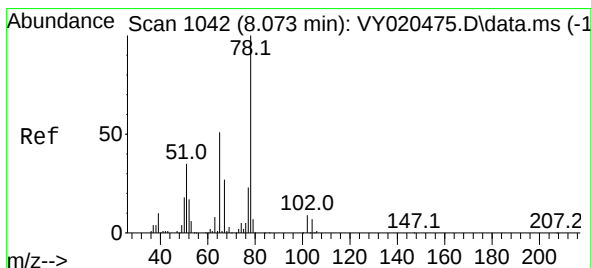
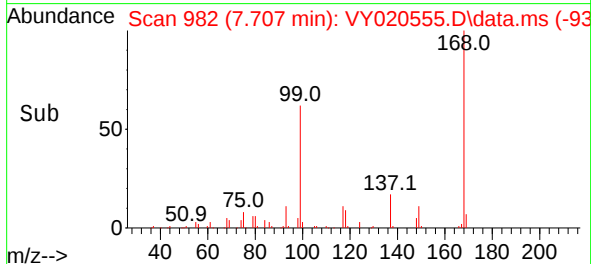
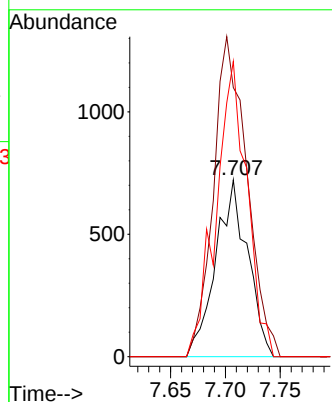


#31  
Cyclohexane  
Concen: 1.001 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

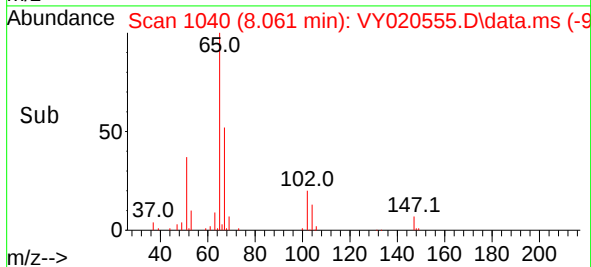
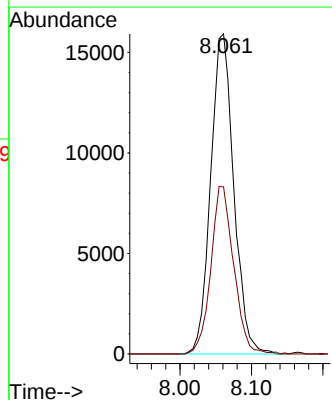
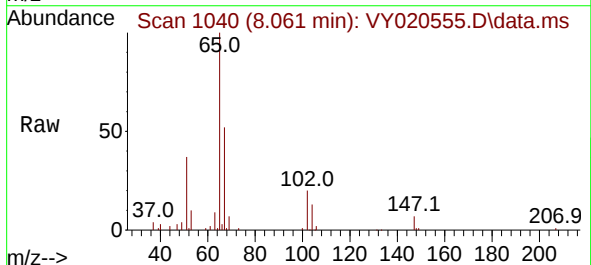


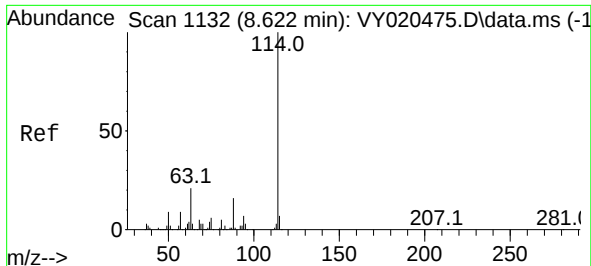
Tgt Ion: 56 Resp: 1462  
Ion Ratio Lower Upper  
56 100  
69 152.2 25.3 37.9#  
84 167.0 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 48.265 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

Tgt Ion: 65 Resp: 35768  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY020555.D

Acq: 09 Dec 2024 15:16

Instrument :

MSVOA\_Y

ClientSampleId :

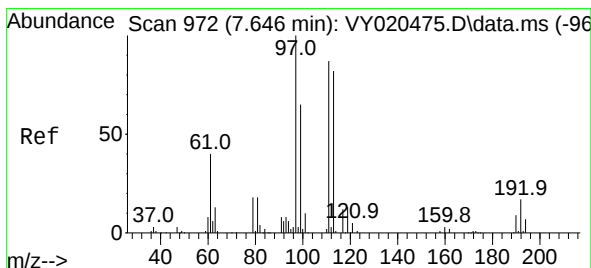
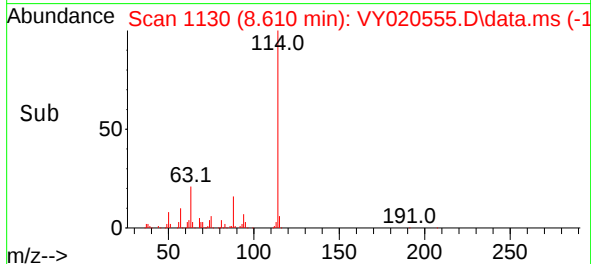
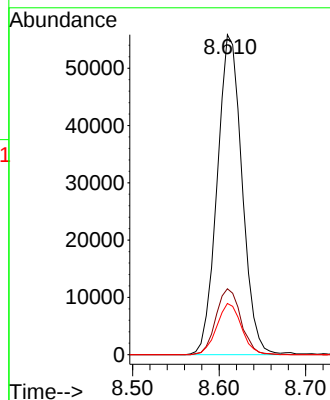
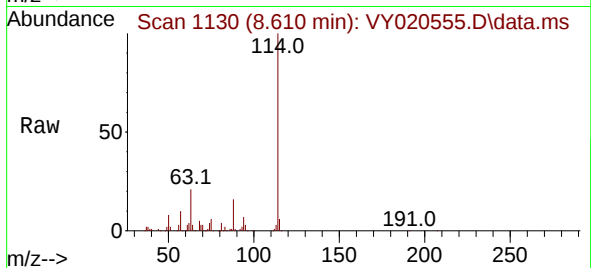
Tgt Ion:114 Resp: 111493

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.8

88 16.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.944 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY020555.D

Acq: 09 Dec 2024 15:16

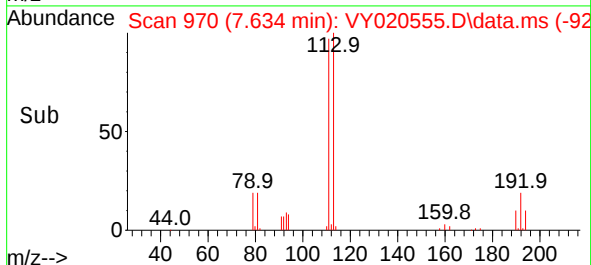
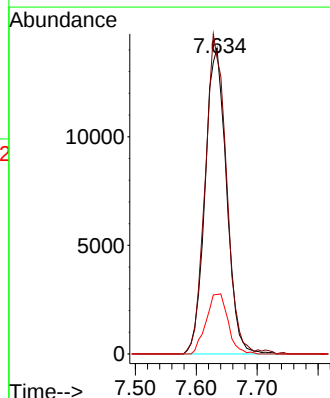
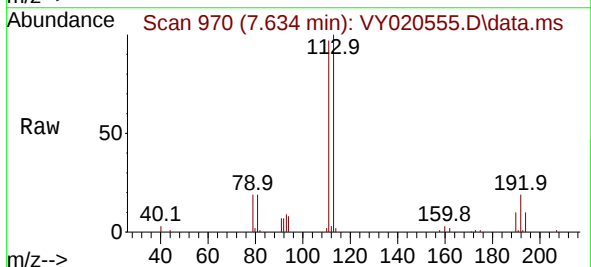
Tgt Ion:113 Resp: 34354

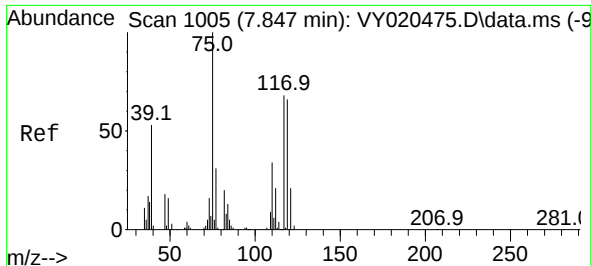
Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

192 20.1 15.1 22.7

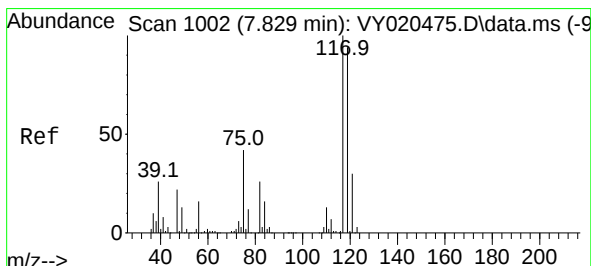
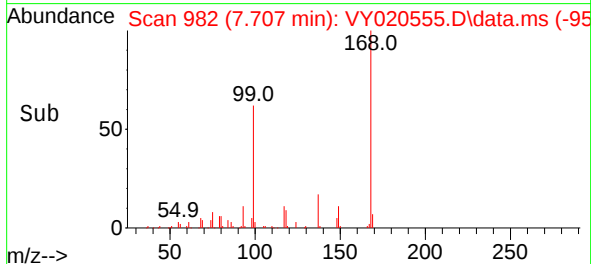
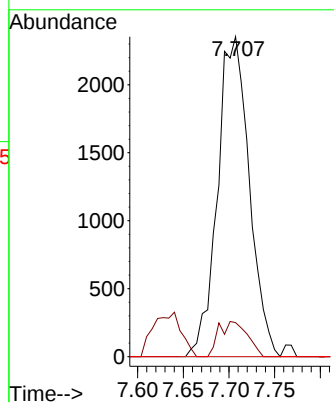
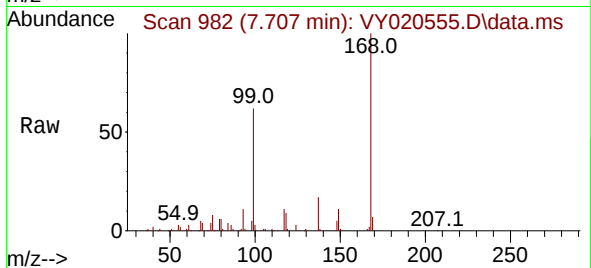




#36  
1,1-Dichloropropene  
Concen: 4.804 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.140 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

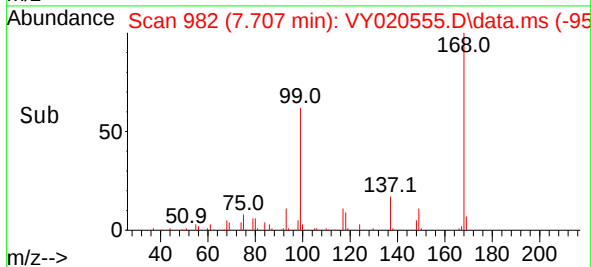
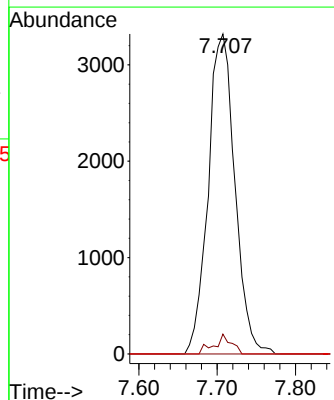
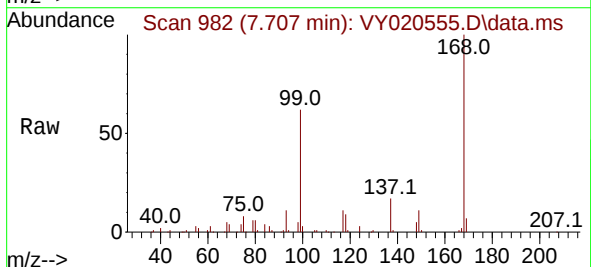
Instrument :  
MSVOA\_Y  
ClientSampleId :

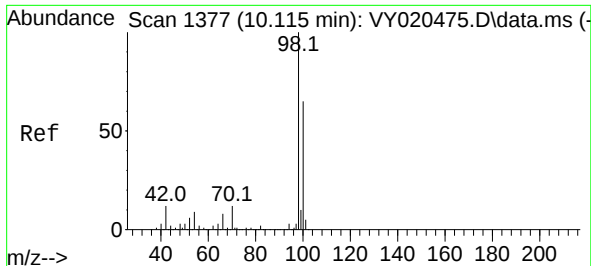
Tgt Ion: 75 Resp: 5694  
Ion Ratio Lower Upper  
75 100  
110 9.9 16.7 50.0#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 5.564 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.122 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

Tgt Ion: 117 Resp: 7871  
Ion Ratio Lower Upper  
117 100  
119 6.2 77.8 116.6#  
121 0.0 24.6 37.0#

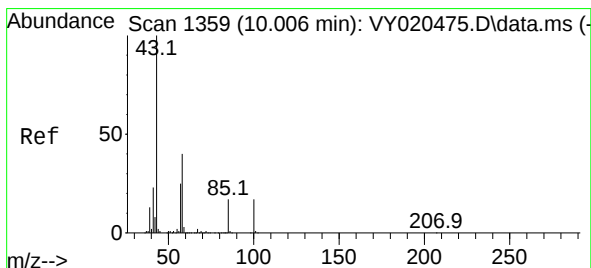
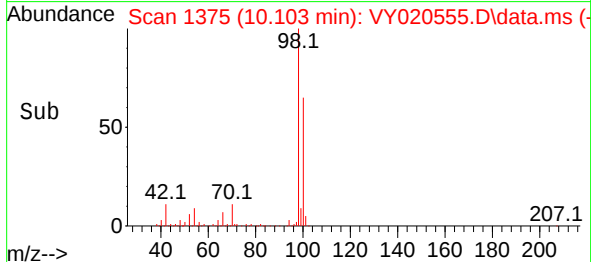
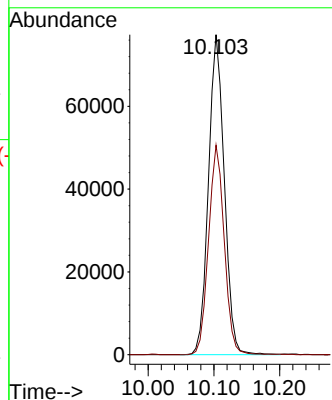
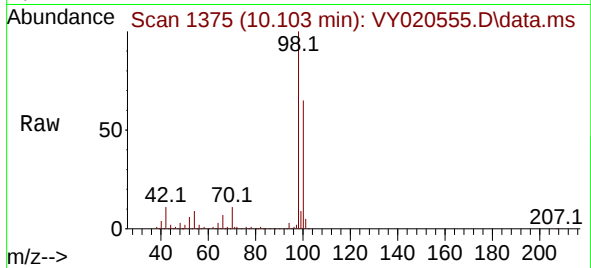




#50  
Toluene-d8  
Concen: 48.479 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.012 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

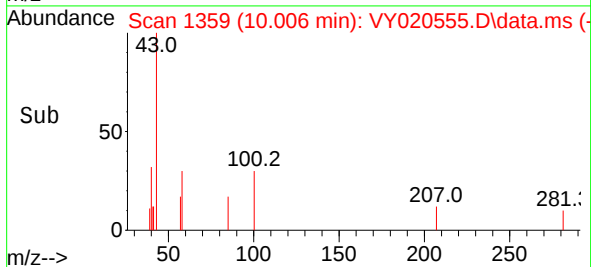
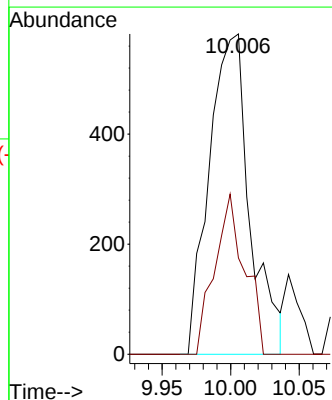
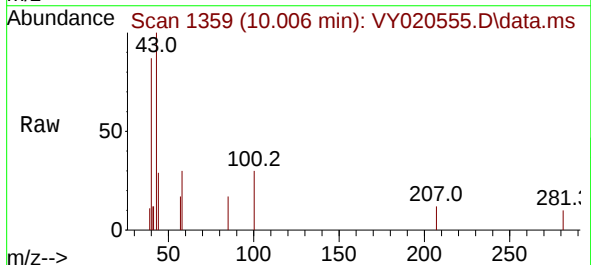
Instrument :  
MSVOA\_Y  
ClientSampleId :

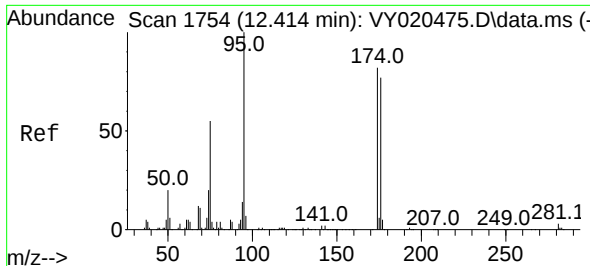
Tgt Ion: 98 Resp: 129571  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.3 76.9



#51  
4-Methyl-2-Pentanone  
Concen: 2.575 ug/l  
RT: 10.006 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

Tgt Ion: 43 Resp: 1206  
Ion Ratio Lower Upper  
43 100  
58 36.8 30.9 46.3





#62

4-Bromofluorobenzene

Concen: 38.081 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY020555.D

Acq: 09 Dec 2024 15:16

Instrument :

MSVOA\_Y

ClientSampleId :

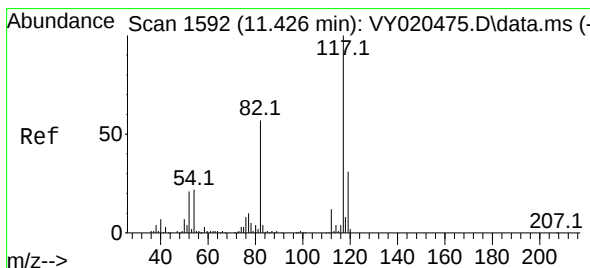
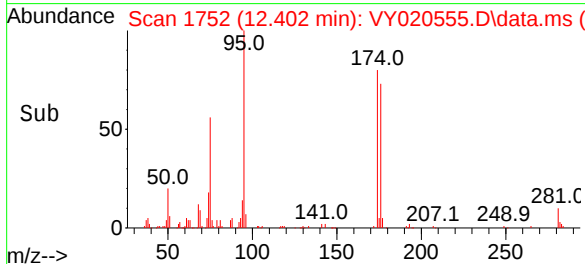
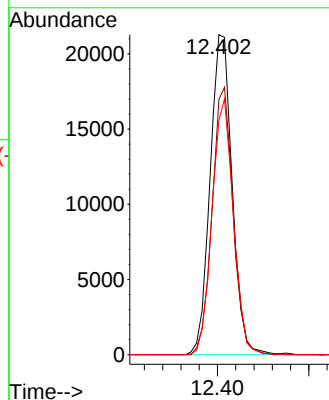
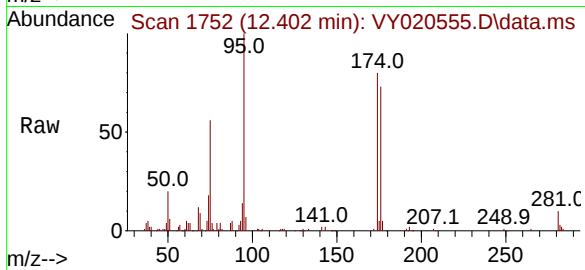
Tgt Ion: 95 Resp: 35597

Ion Ratio Lower Upper

95 100

174 79.5 0.0 156.8

176 77.1 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: VY020555.D

Acq: 09 Dec 2024 15:16

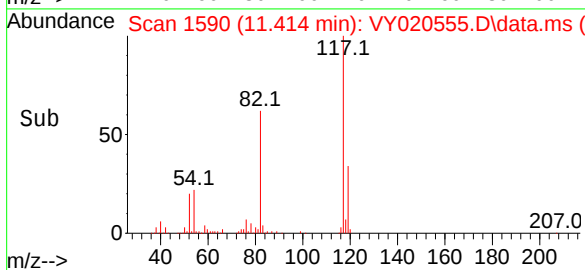
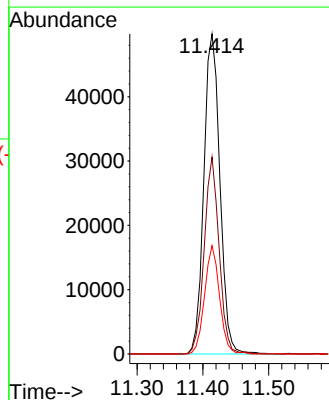
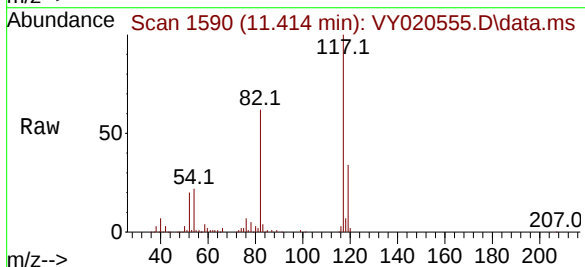
Tgt Ion: 117 Resp: 84520

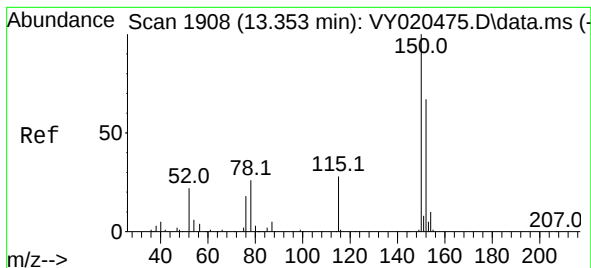
Ion Ratio Lower Upper

117 100

82 61.6 48.2 72.4

119 33.8 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

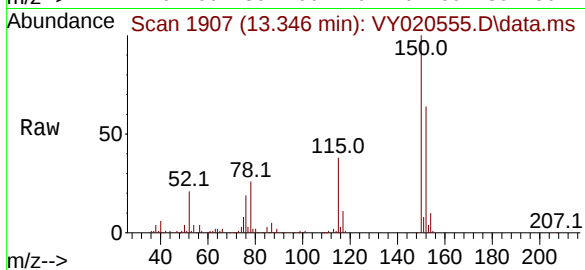
Lab File: VY020555.D

Acq: 09 Dec 2024 15:16

Instrument :

MSVOA\_Y

ClientSampleId :



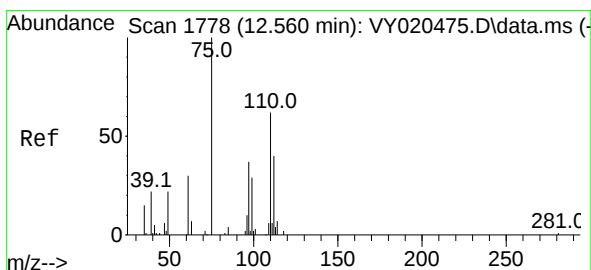
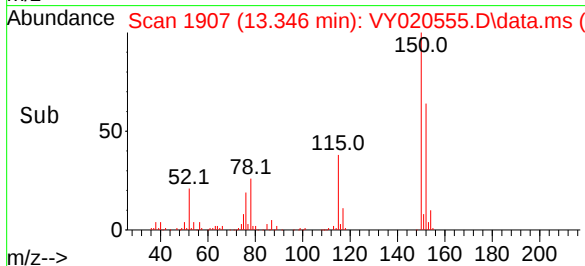
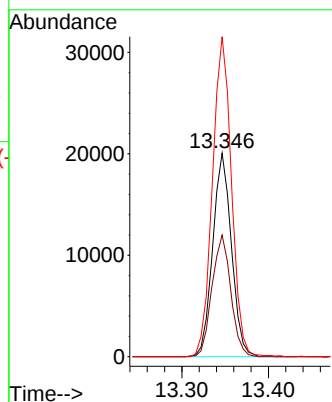
Tgt Ion:152 Resp: 30112

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 159.8 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 62.103 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY020555.D

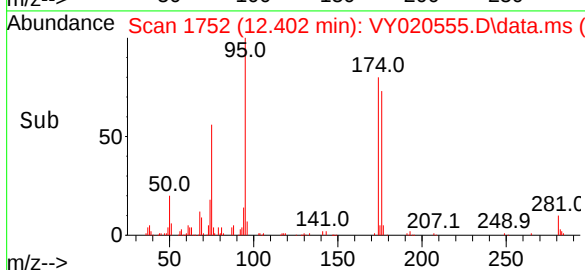
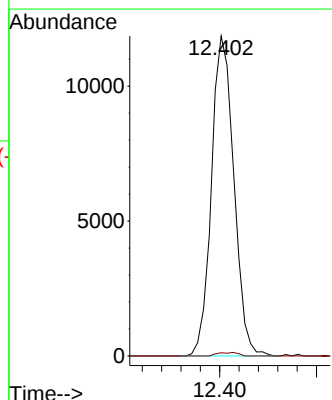
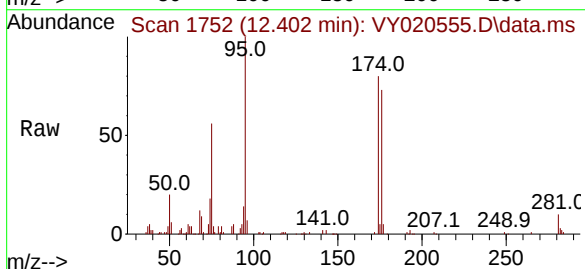
Acq: 09 Dec 2024 15:16

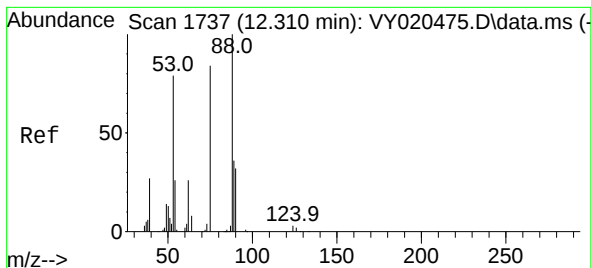
Tgt Ion: 75 Resp: 19050

Ion Ratio Lower Upper

75 100

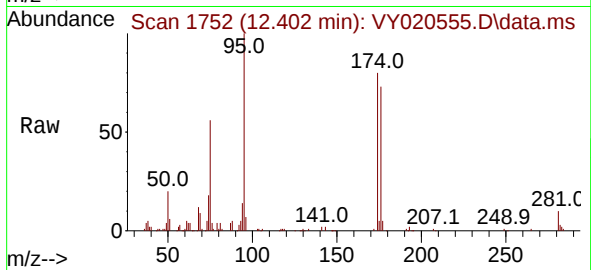
77 1.0 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 127.427 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. 0.091 min  
Lab File: VY020555.D  
Acq: 09 Dec 2024 15:16

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 19050  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.0 35.1 52.7#

