

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081424\  
 Data File : VY019055.D  
 Acq On : 14 Aug 2024 13:47  
 Operator : SY/MD  
 Sample : P3545-02  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 14 21:46:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

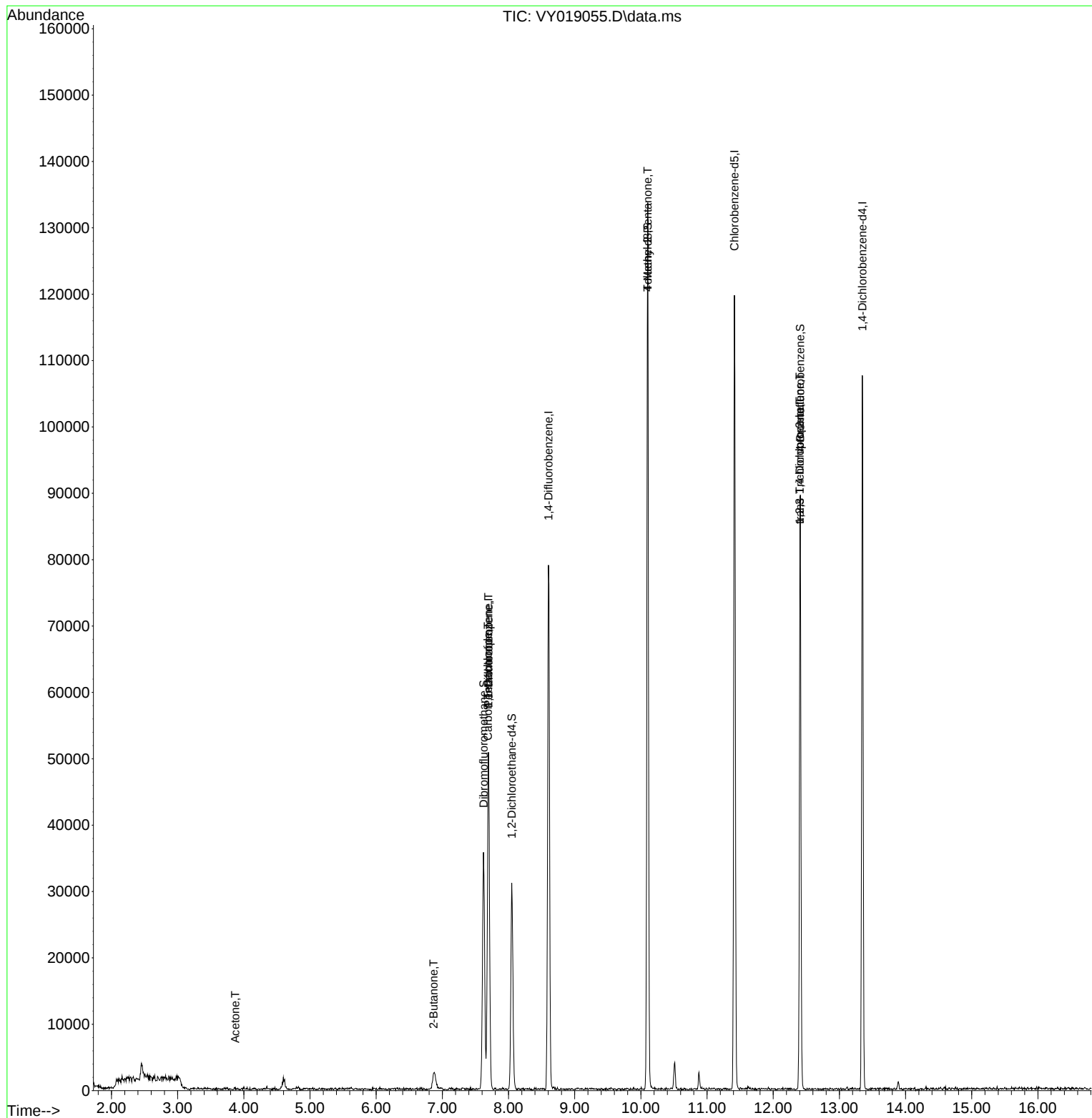
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.695  | 168   | 40308    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.603  | 114   | 66133    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 60079    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 24400    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.049  | 65    | 18530    | 52.359    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 104.720% |          |
| 35) Dibromofluoromethane      | 7.622  | 113   | 22864    | 54.131    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 108.260% |          |
| 50) Toluene-d8                | 10.103 | 98    | 80899    | 49.864    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 99.720%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 20365    | 42.310    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 84.620%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.050  | 50    | 22       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.824  | 59    | 96       | Below Cal | #          | 88       |
| 16) Acetone                   | 3.872  | 43    | 28       | 12.817    | ug/l #     | 36       |
| 20) Methylene Chloride        | 4.598  | 84    | 525      | Below Cal | #          | 80       |
| 25) 2-Butanone                | 6.866  | 43    | 140      | 1.222     | ug/l #     | 41       |
| 31) Cyclohexane               | 7.689  | 56    | 1165     | Below Cal | #          | 80       |
| 36) 1,1-Dichloropropene       | 7.695  | 75    | 3044     | 5.369     | ug/l #     | 43       |
| 38) Carbon Tetrachloride      | 7.689  | 117   | 3926     | 6.039     | ug/l #     | 19       |
| 41) Methacrylonitrile         | 7.140  | 41    | 20       | Below Cal | #          | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.103 | 43    | 495      | 1.821     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 12420    | 68.326    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 12420    | 140.791   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

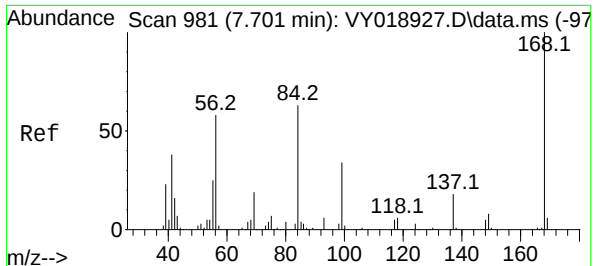
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A\_Y\Data\VY081424\  
Data File : VY019055.D  
Acq On : 14 Aug 2024 13:47  
Operator : SY/MD  
Sample : P3545-02  
Misc : 4.99g/5.0mL/MSV0A\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSV0A\_Y  
ClientSampleId :

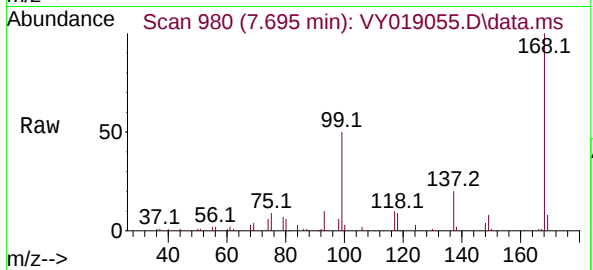
Quant Time: Aug 14 21:46:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_Y\methods\82Y080824S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration



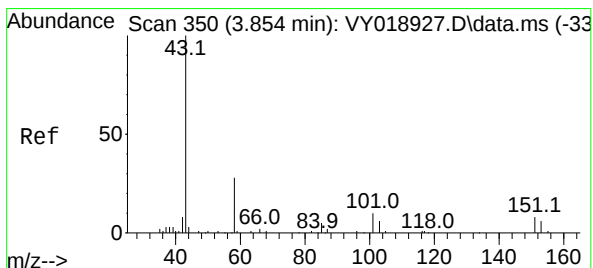
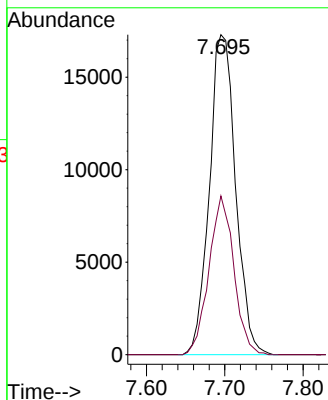
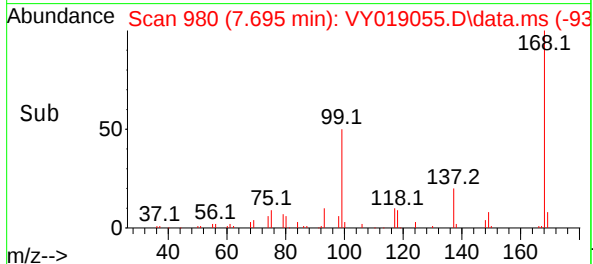


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019055.D  
Acq: 14 Aug 2024 13:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

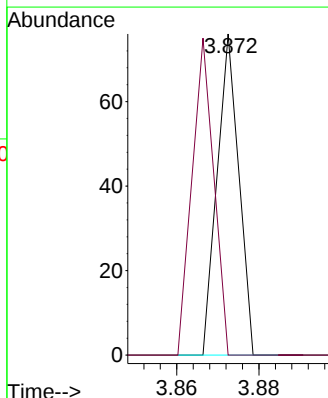
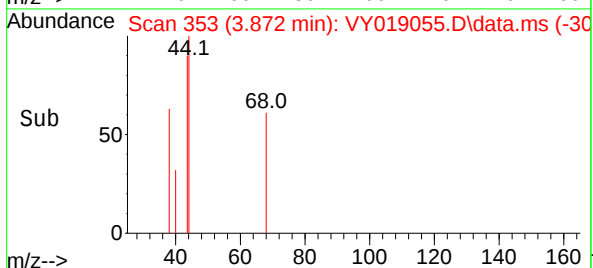
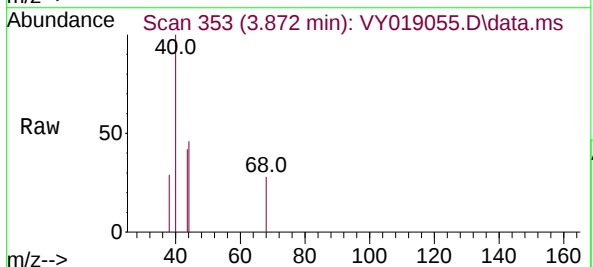


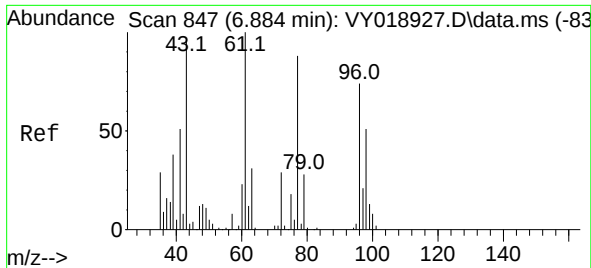
Tgt Ion:168 Resp: 40308  
Ion Ratio Lower Upper  
168 100  
99 49.6 39.1 58.7



#16  
Acetone  
Concen: 12.817 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. 0.018 min  
Lab File: VY019055.D  
Acq: 14 Aug 2024 13:47

Tgt Ion: 43 Resp: 28  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 1.222 ug/l

RT: 6.866 min Scan# 847

Delta R.T. -0.018 min

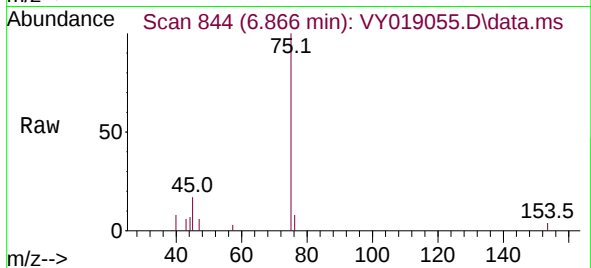
Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

Instrument :

MSVOA\_Y

ClientSampleId :

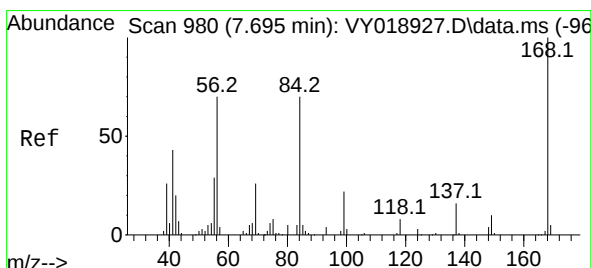
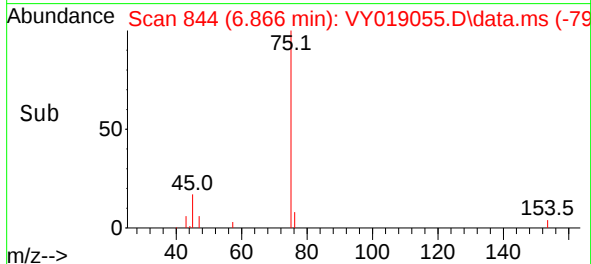
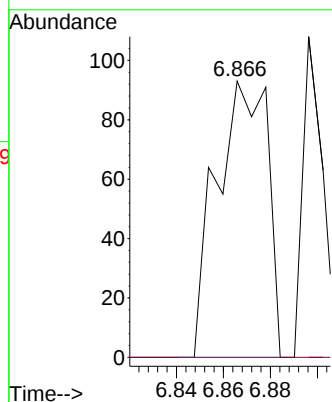


Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.689 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

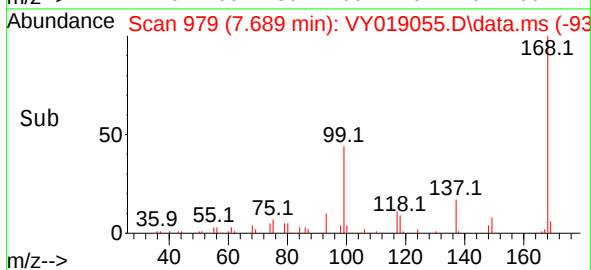
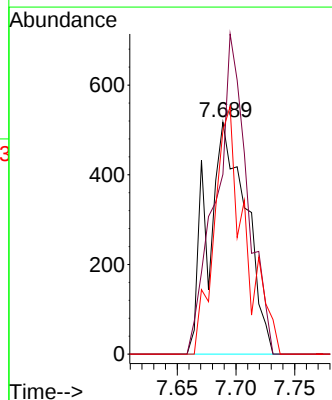
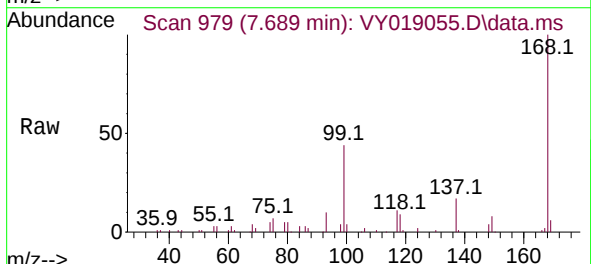
Tgt Ion: 56 Resp: 1165

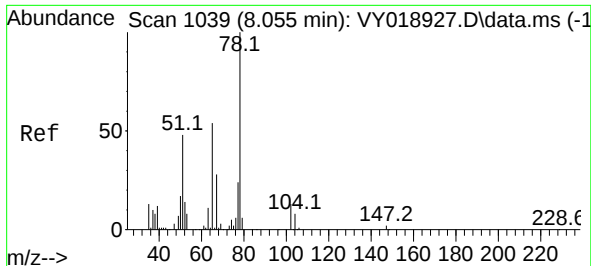
Ion Ratio Lower Upper

56 100

69 77.6 28.7 43.1#

84 96.5 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 52.359 ug/l

RT: 8.049 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

Instrument :

MSVOA\_Y

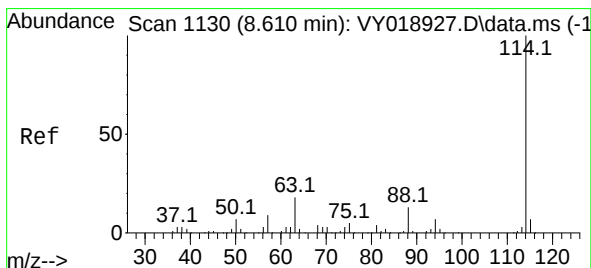
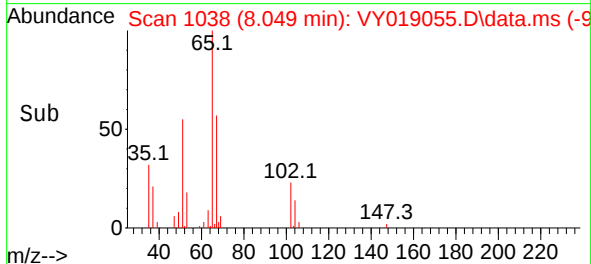
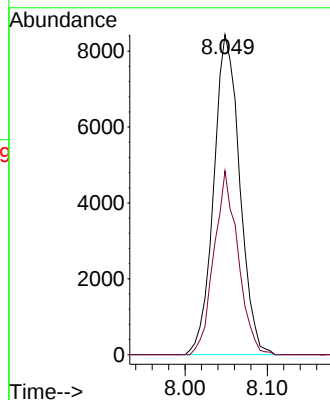
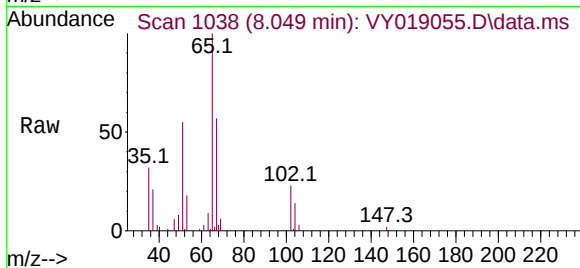
ClientSampleId :

Tgt Ion: 65 Resp: 18530

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

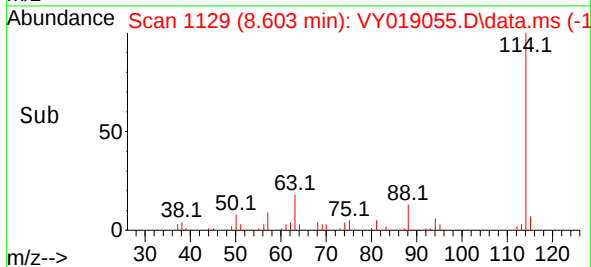
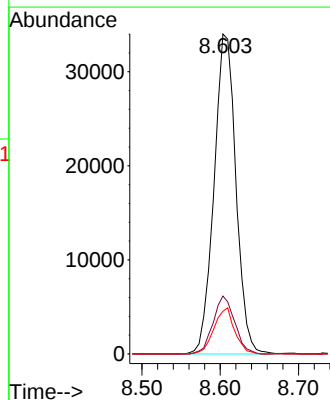
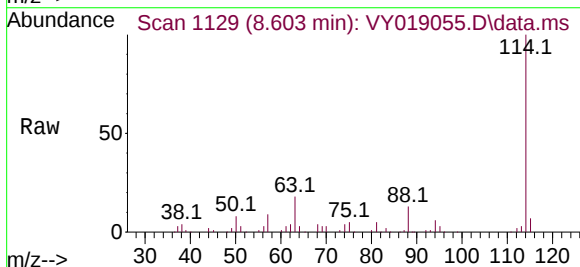
Tgt Ion: 114 Resp: 66133

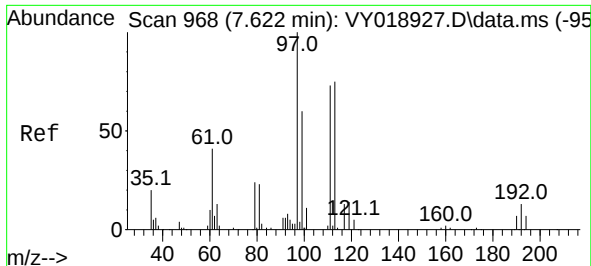
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 13.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.131 ug/l

RT: 7.622 min Scan# 9

Delta R.T. -0.000 min

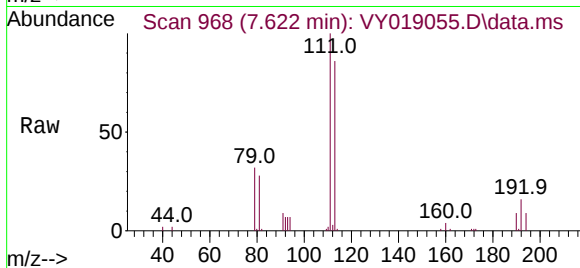
Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

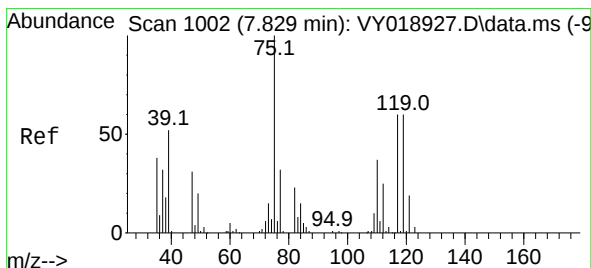
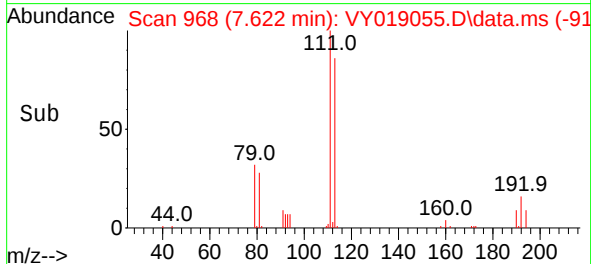
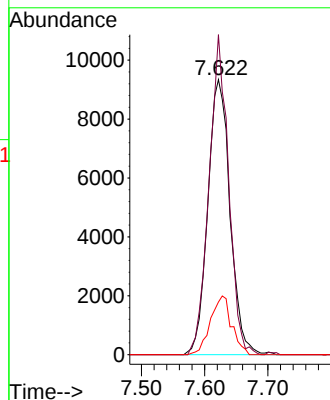
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 22864 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 82.2  | 123.4 |
| 192      | 20.3  | 15.9  | 23.9  |



#36

1,1-Dichloropropene

Concen: 5.369 ug/l

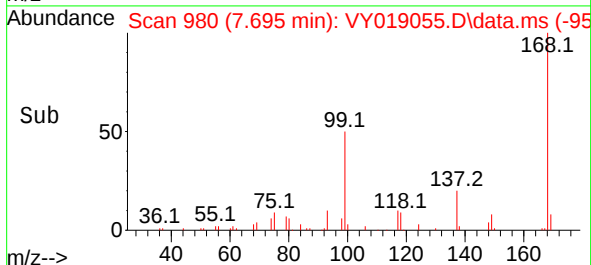
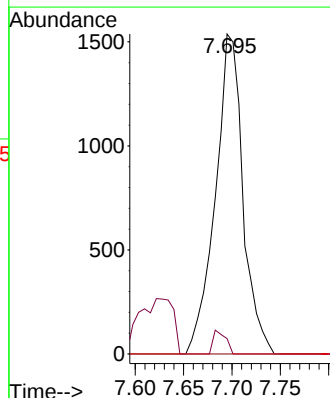
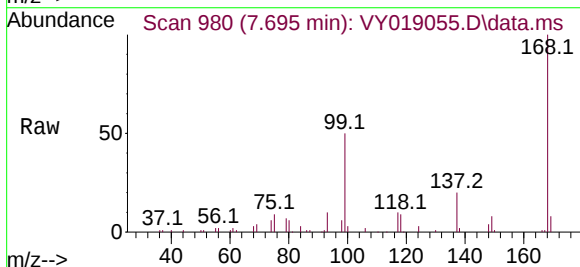
RT: 7.695 min Scan# 980

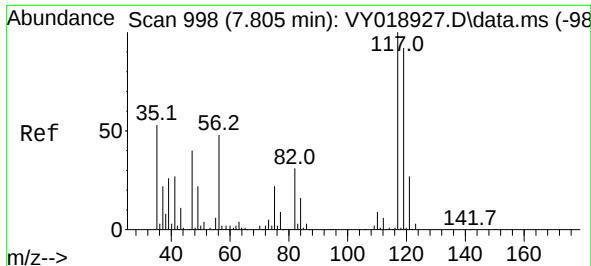
Delta R.T. -0.134 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3044  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 3.4   | 19.0  | 57.0# |
| 77       | 0.0   | 25.3  | 37.9# |





#38

Carbon Tetrachloride

Concen: 6.039 ug/l

RT: 7.689 min Scan# 91

Delta R.T. -0.116 min

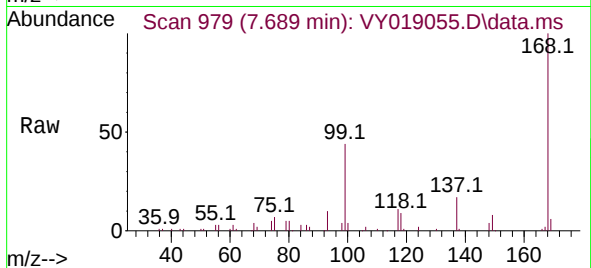
Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

Instrument :

MSVOA\_Y

ClientSampleId :



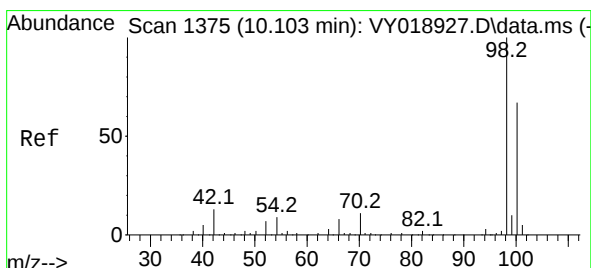
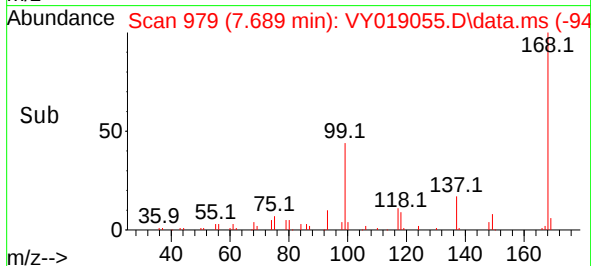
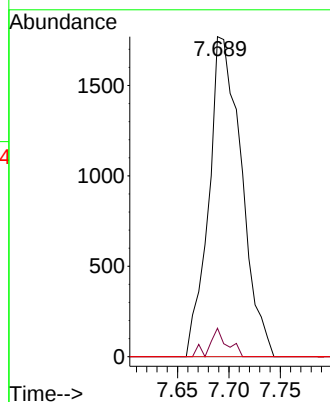
Tgt Ion:117 Resp: 3926

Ion Ratio Lower Upper

117 100

119 8.9 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 49.864 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019055.D

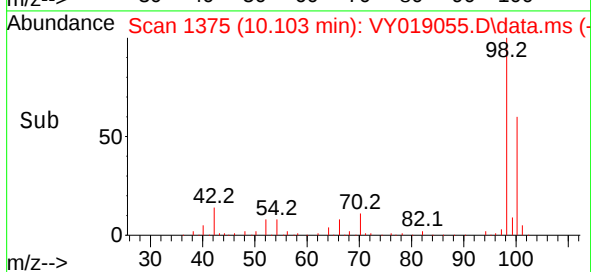
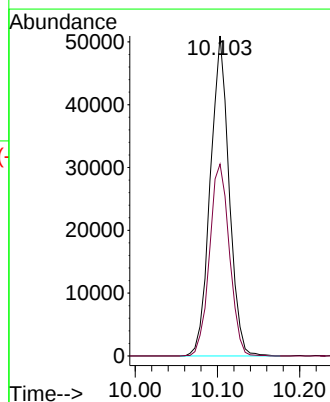
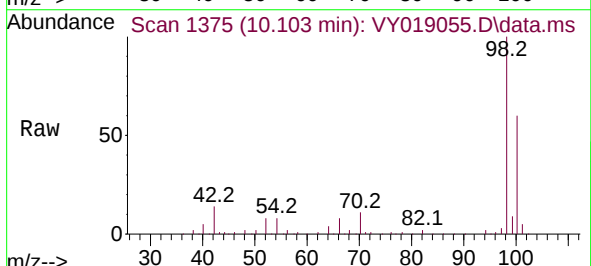
Acq: 14 Aug 2024 13:47

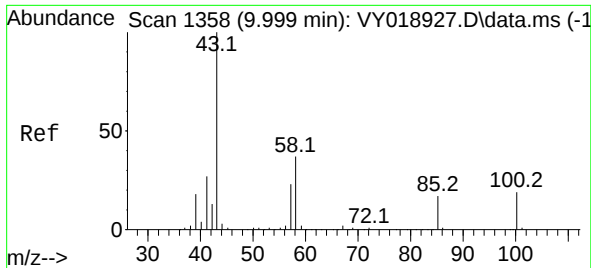
Tgt Ion: 98 Resp: 80899

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.821 ug/l

RT: 10.103 min Scan# 1358

Delta R.T. 0.104 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

Instrument :

MSVOA\_Y

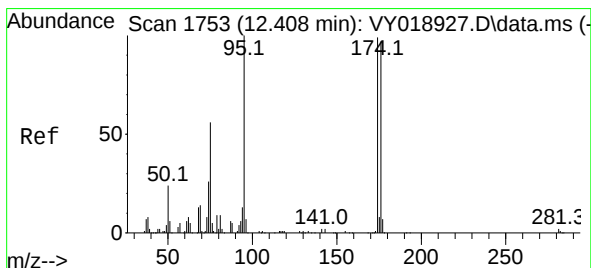
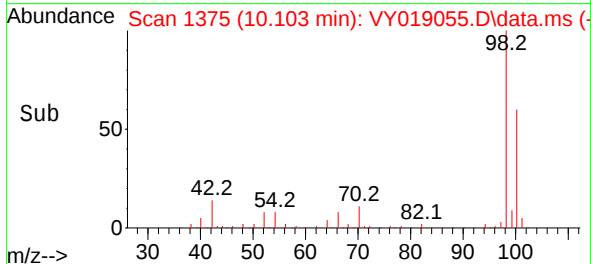
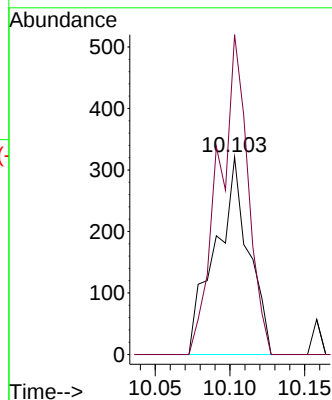
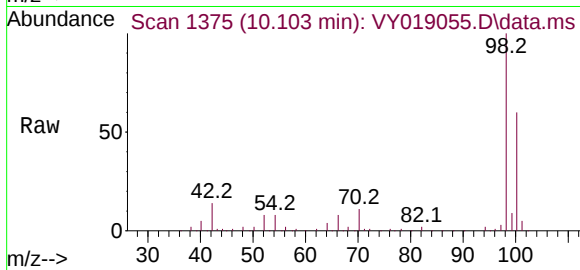
ClientSampleId :

Tgt Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

58 143.4 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 42.310 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

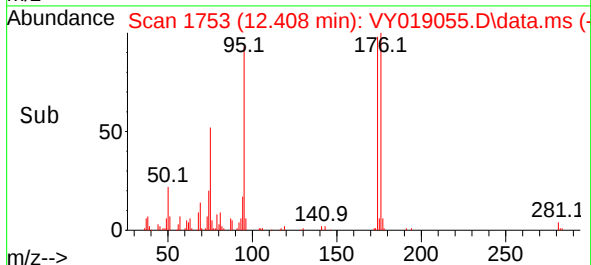
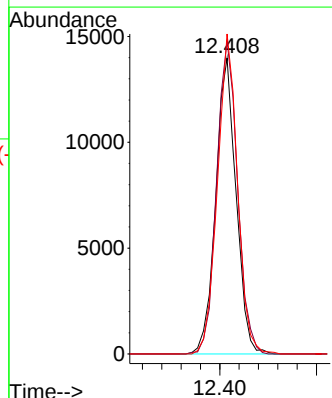
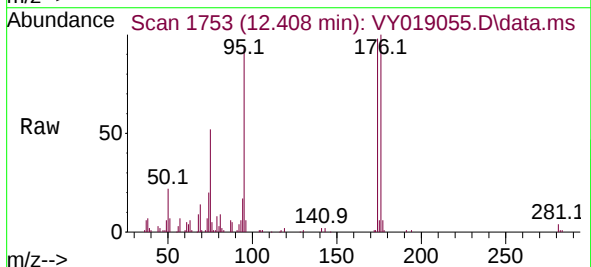
Tgt Ion: 95 Resp: 20365

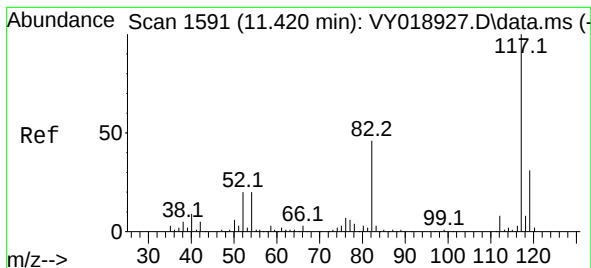
Ion Ratio Lower Upper

95 100

174 108.3 0.0 175.6

176 106.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

Instrument :

MSVOA\_Y

ClientSampleId :

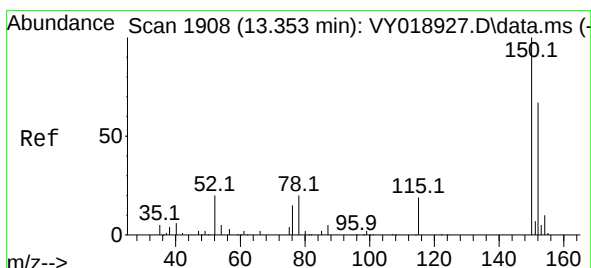
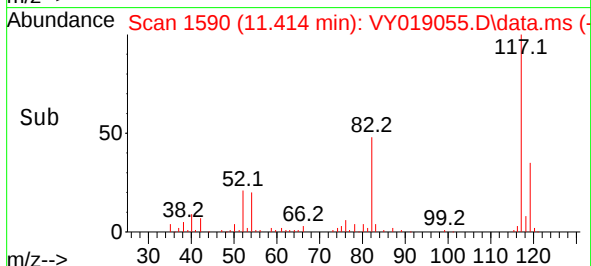
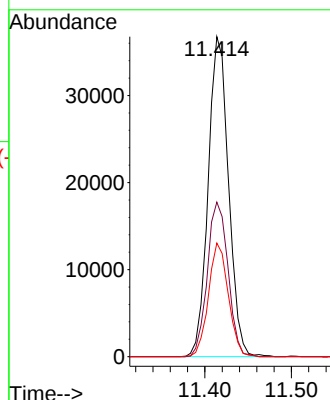
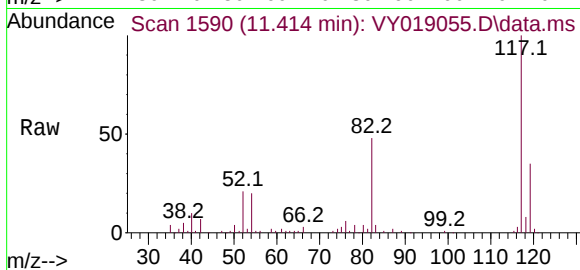
Tgt Ion:117 Resp: 60079

Ion Ratio Lower Upper

117 100

82 48.3 42.4 63.6

119 35.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019055.D

Acq: 14 Aug 2024 13:47

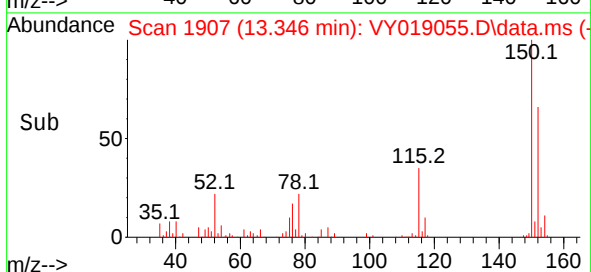
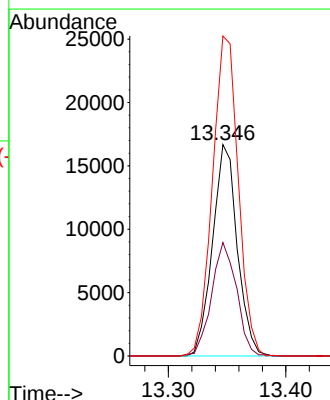
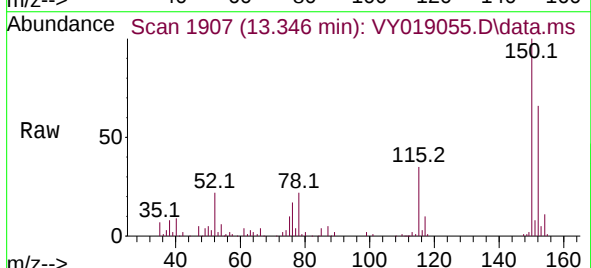
Tgt Ion:152 Resp: 24400

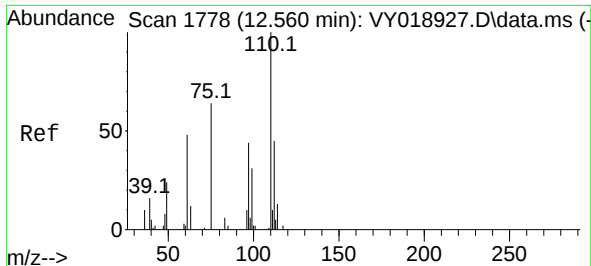
Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

150 157.8 0.0 345.6

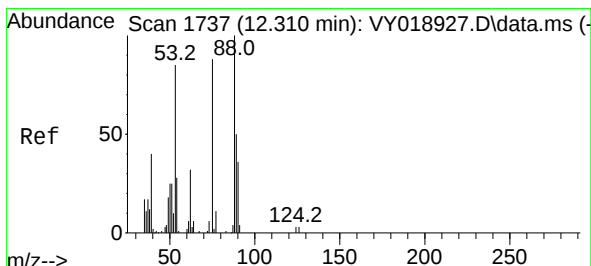
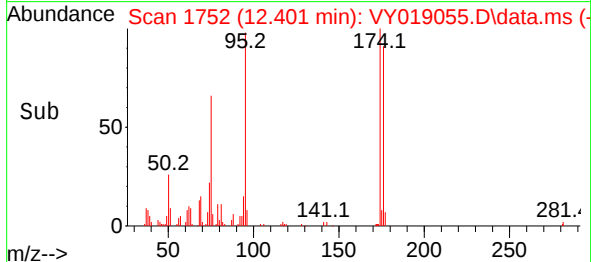
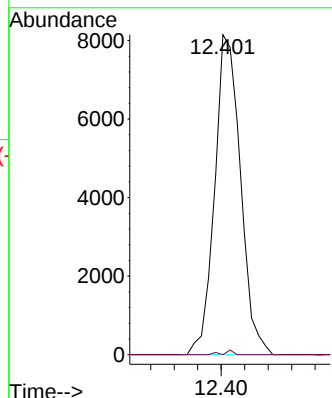
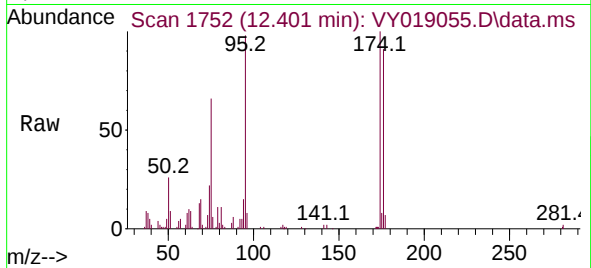




#76  
1,2,3-Trichloropropane  
Concen: 68.326 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.159 min  
Lab File: VY019055.D  
Acq: 14 Aug 2024 13:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 12420  
Ion Ratio Lower Upper  
75 100  
77 0.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 140.791 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.091 min  
Lab File: VY019055.D  
Acq: 14 Aug 2024 13:47

Tgt Ion: 75 Resp: 12420  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

