

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
 Data File : VY019007.D  
 Acq On : 12 Aug 2024 17:12  
 Operator : SY/MD  
 Sample : P3519-27  
 Misc : 6.65g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-CF-06-080624

Quant Time: Aug 13 01:17:33 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

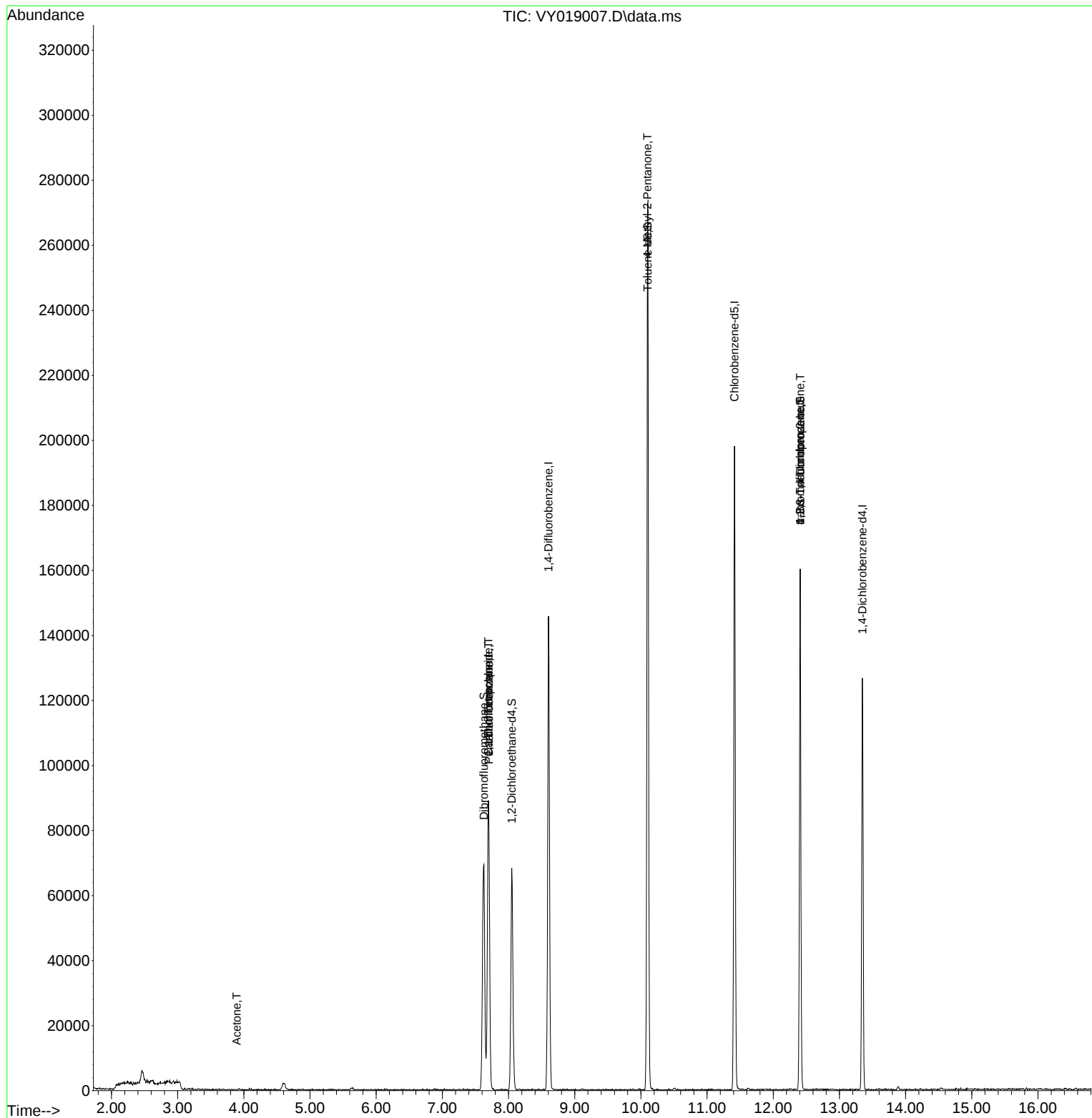
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 72812    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.603  | 114   | 119478   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 96785    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 29520    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.049  | 65    | 40044    | 62.639    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 125.280% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 45390    | 59.482    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 118.960% |          |
| 50) Toluene-d8                | 10.103 | 98    | 168039   | 57.330    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 114.660% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 36381    | 41.837    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 83.680%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.068  | 50    | 80       | Below Cal | #          | 43       |
| 13) Acrolein                  | 3.684  | 56    | 30       | Below Cal | #          | 15       |
| 16) Acetone                   | 3.891  | 43    | 49       | 12.808    | ug/l #     | 36       |
| 20) Methylene Chloride        | 4.604  | 84    | 1655     | Below Cal | #          | 93       |
| 31) Cyclohexane               | 7.689  | 56    | 1056     | Below Cal | #          | 76       |
| 36) 1,1-Dichloropropene       | 7.695  | 75    | 5412     | 5.283     | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 7.695  | 117   | 6594     | 5.614     | ug/l #     | 19       |
| 41) Methacrylonitrile         | 7.213  | 41    | 23       | Below Cal | #          | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.097 | 43    | 797      | 1.623     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 22065    | 100.332   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 22065    | 206.744   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
Data File : VY019007.D  
Acq On : 12 Aug 2024 17:12  
Operator : SY/MD  
Sample : P3519-27  
Misc : 6.65g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-CF-06-080624

Quant Time: Aug 13 01:17:33 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

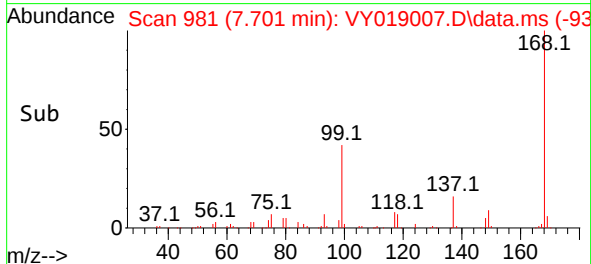
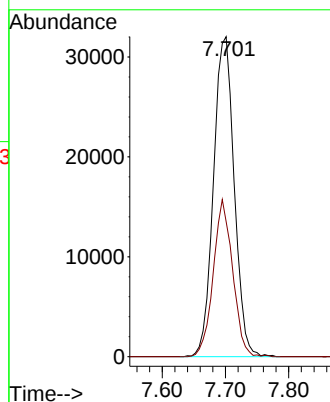
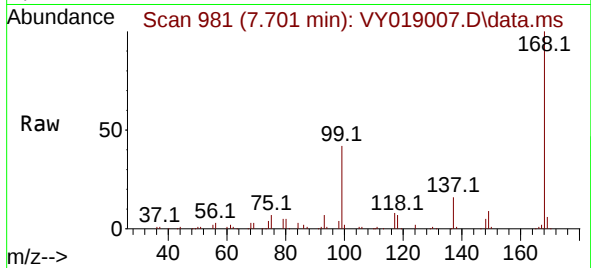




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

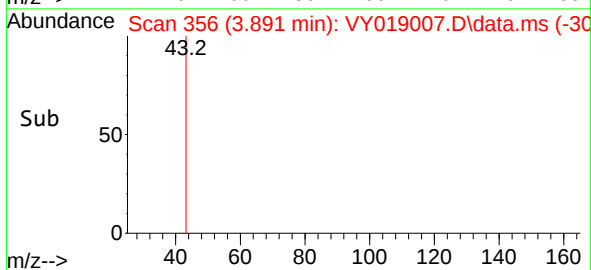
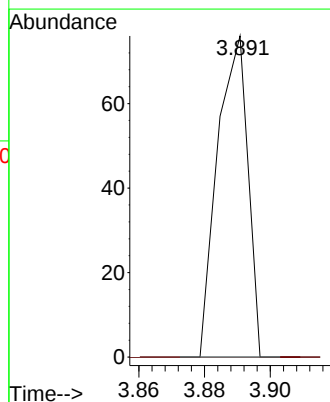
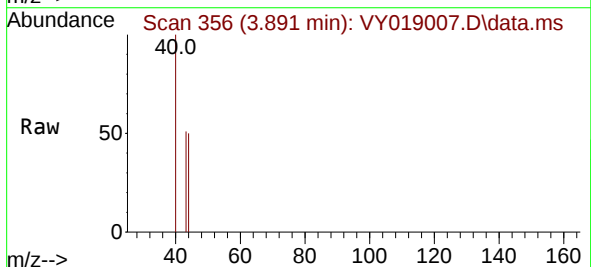
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-CF-06-080624

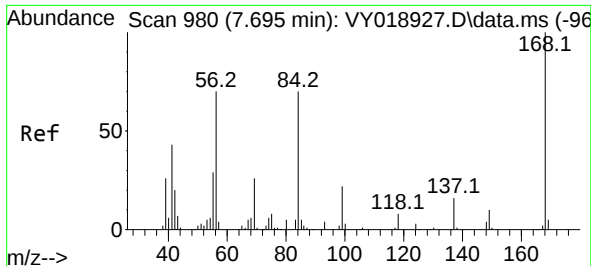
Tgt Ion:168 Resp: 72812  
Ion Ratio Lower Upper  
168 100  
99 42.3 39.1 58.7



#16  
Acetone  
Concen: 12.808 ug/l  
RT: 3.891 min Scan# 356  
Delta R.T. 0.037 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

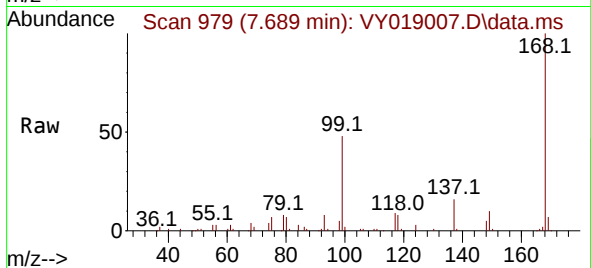
Tgt Ion: 43 Resp: 49  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



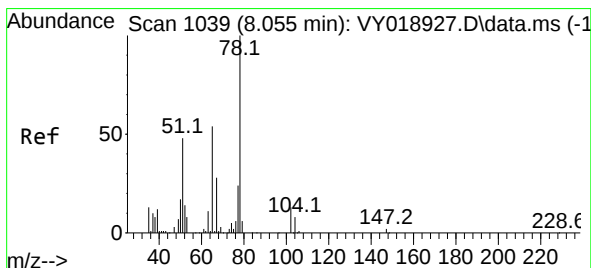
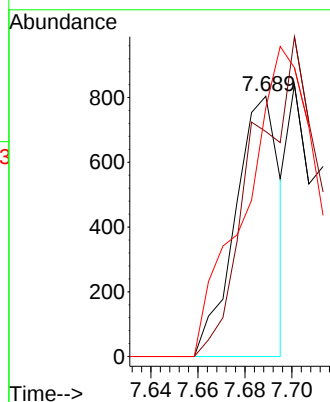
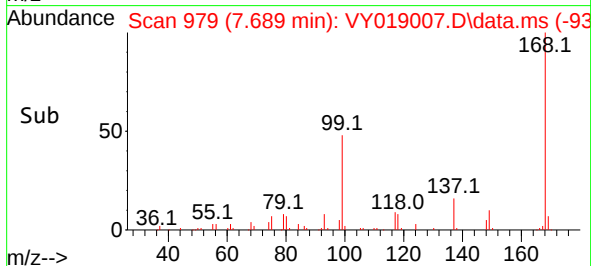


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.689 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

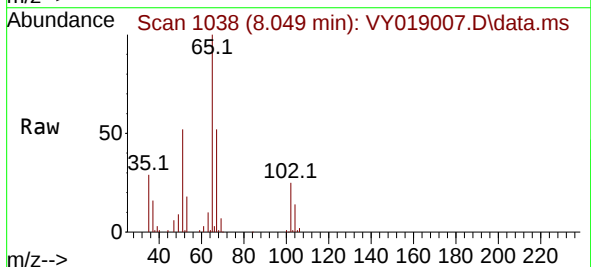
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-CF-06-080624



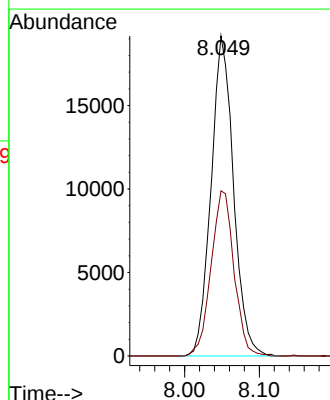
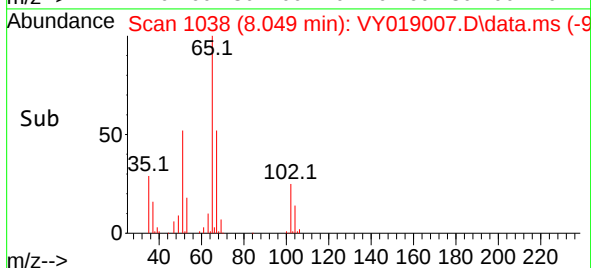
Tgt Ion: 56 Resp: 1056  
Ion Ratio Lower Upper  
56 100  
69 86.4 28.7 43.1#  
84 95.5 77.7 116.5

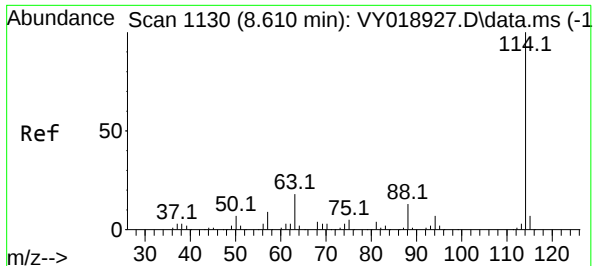


#33  
1,2-Dichloroethane-d4  
Concen: 62.639 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12



Tgt Ion: 65 Resp: 40044  
Ion Ratio Lower Upper  
65 100  
67 52.6 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: VY019007.D

Acq: 12 Aug 2024 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-CF-06-080624

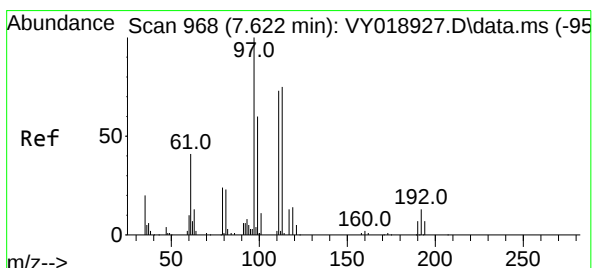
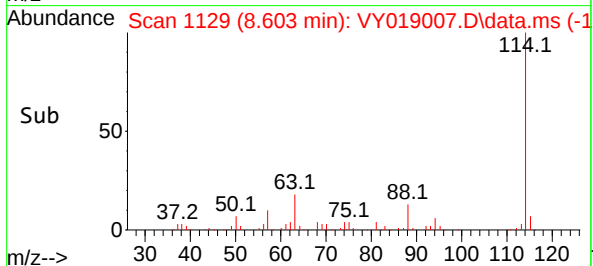
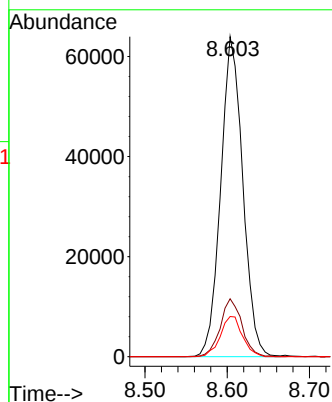
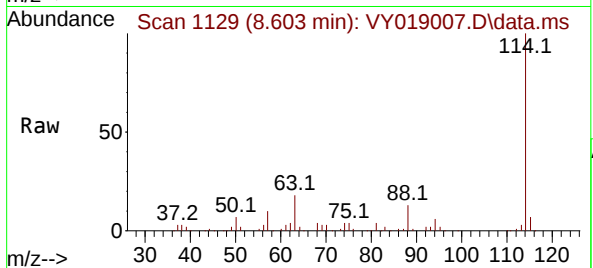
Tgt Ion:114 Resp: 119478

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 12.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 59.482 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019007.D

Acq: 12 Aug 2024 17:12

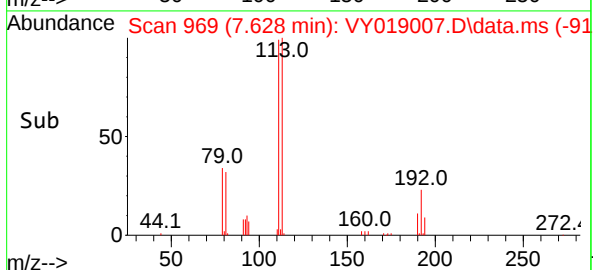
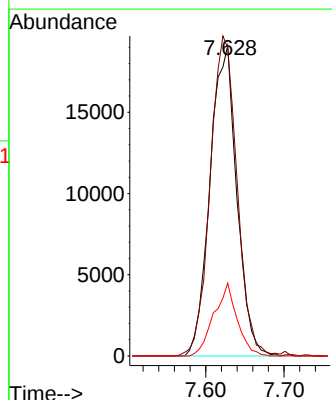
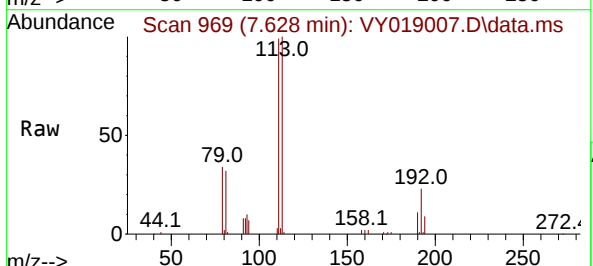
Tgt Ion:113 Resp: 45390

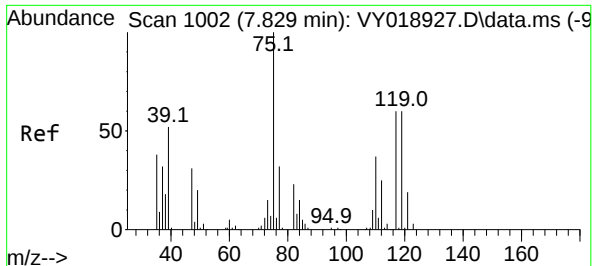
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 20.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.283 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY019007.D

Acq: 12 Aug 2024 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-CF-06-080624

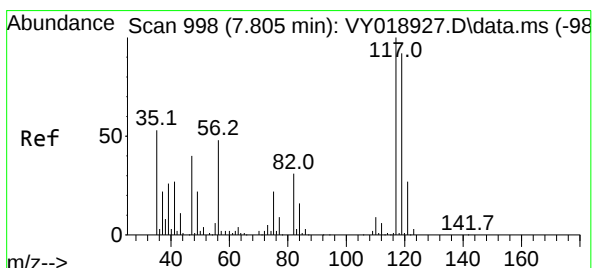
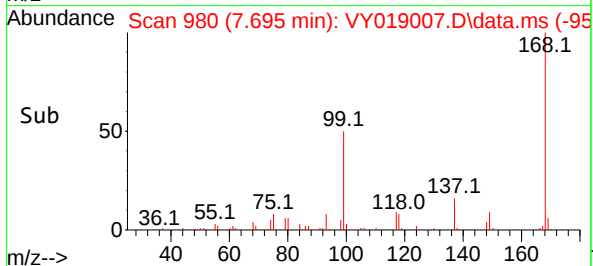
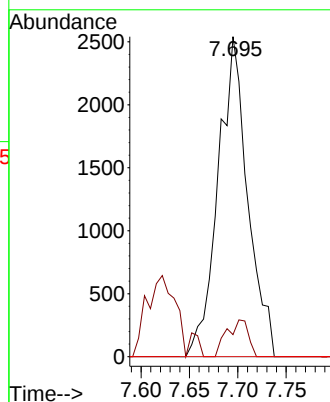
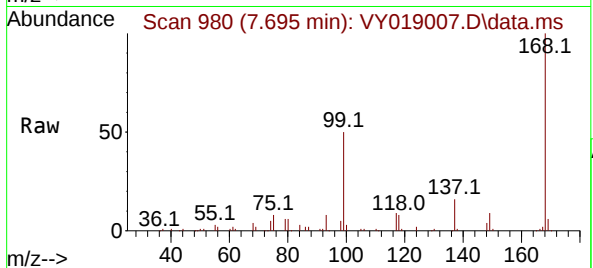
Tgt Ion: 75 Resp: 5412

Ion Ratio Lower Upper

75 100

110 8.4 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.614 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019007.D

Acq: 12 Aug 2024 17:12

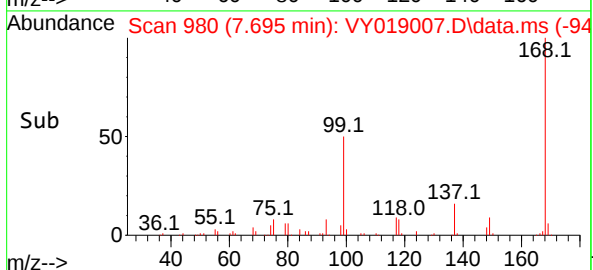
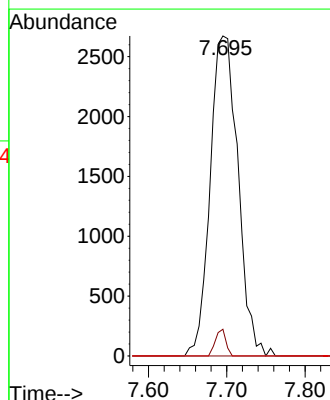
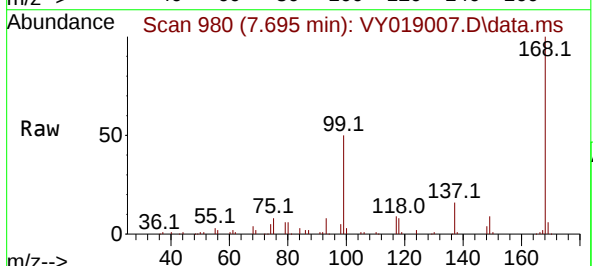
Tgt Ion: 117 Resp: 6594

Ion Ratio Lower Upper

117 100

119 8.3 75.8 113.6#

121 0.0 24.0 36.0#

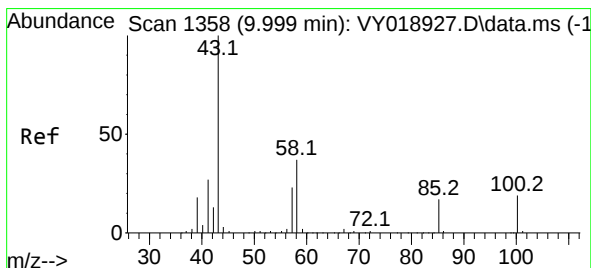
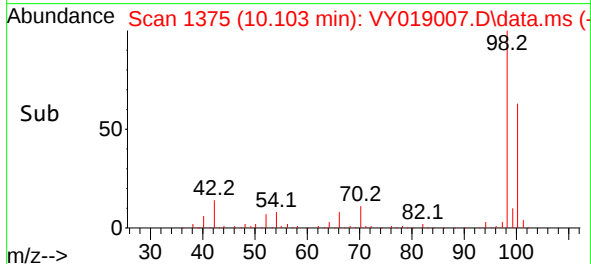
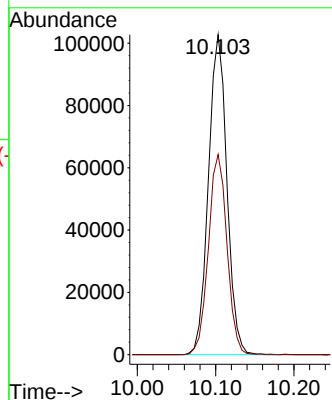
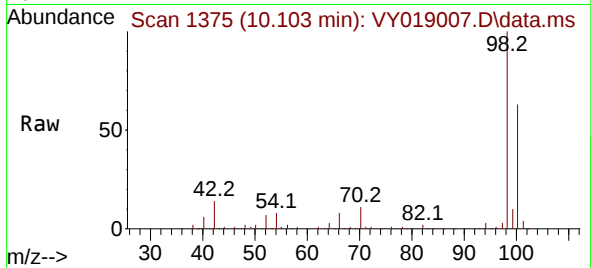




#50  
Toluene-d8  
Concen: 57.330 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

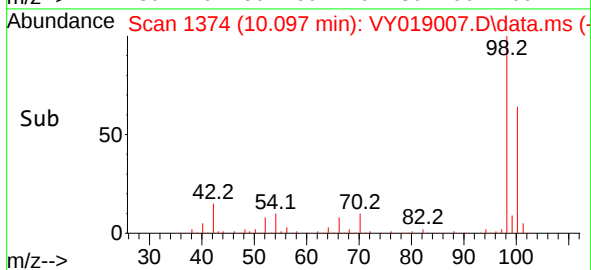
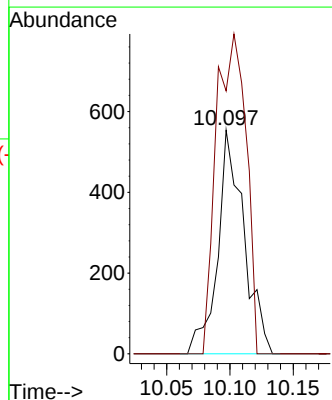
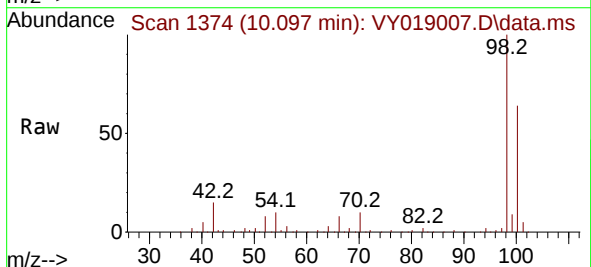
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-CF-06-080624

Tgt Ion: 98 Resp: 168039  
Ion Ratio Lower Upper  
98 100  
100 63.0 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.623 ug/l  
RT: 10.097 min Scan# 1374  
Delta R.T. 0.098 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

Tgt Ion: 43 Resp: 797  
Ion Ratio Lower Upper  
43 100  
58 163.0 35.7 53.5#

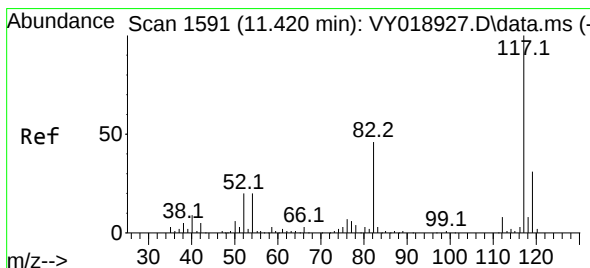
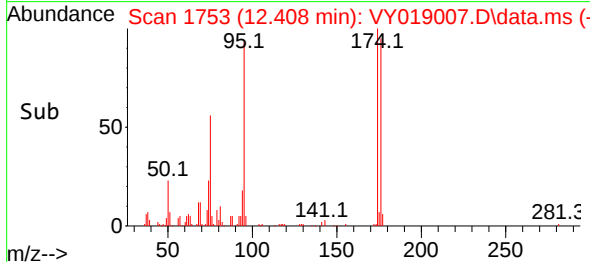
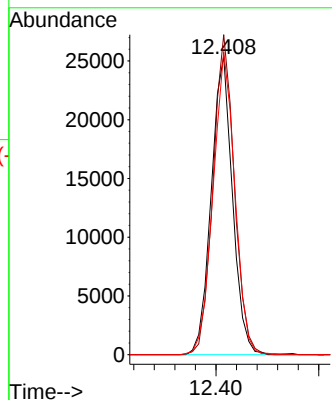
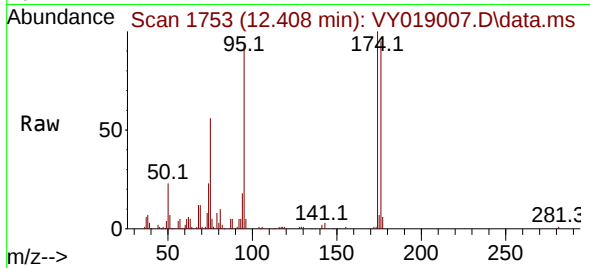




#62  
4-Bromofluorobenzene  
Concen: 41.837 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

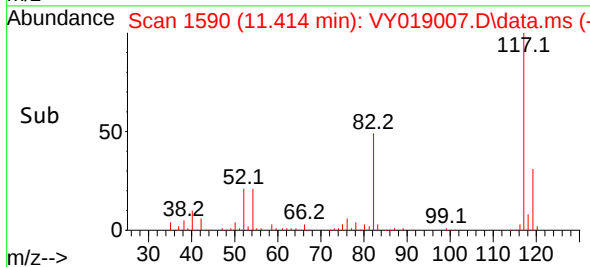
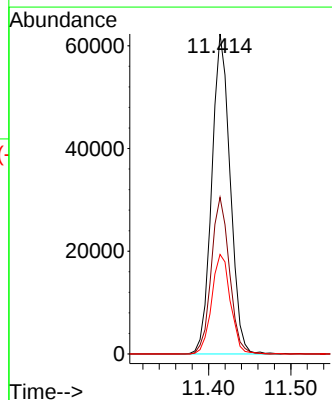
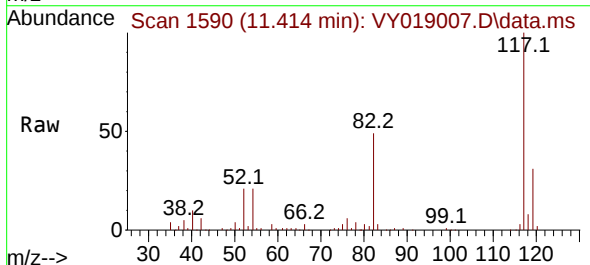
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-CF-06-080624

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 36381 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 107.2 | 0.0   | 175.6 |
| 176       | 103.9 | 0.0   | 171.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019007.D  
Acq: 12 Aug 2024 17:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 96785 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 49.0  | 42.4  | 63.6  |
| 119       | 31.1  | 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: VY019007.D

Acq: 12 Aug 2024 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-CF-06-080624

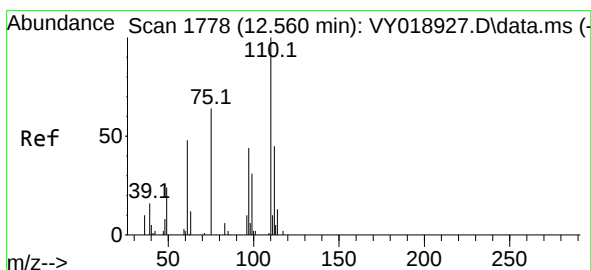
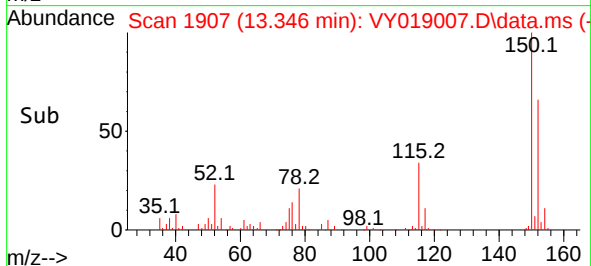
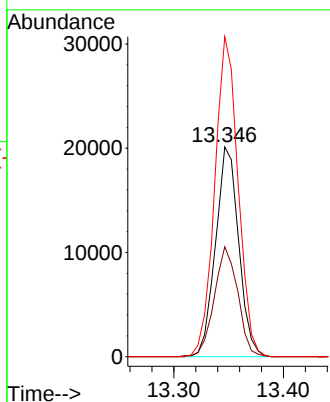
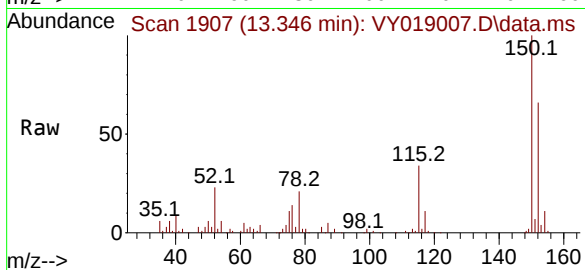
Tgt Ion:152 Resp: 29520

Ion Ratio Lower Upper

152 100

115 53.1 28.2 84.7

150 153.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 100.332 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019007.D

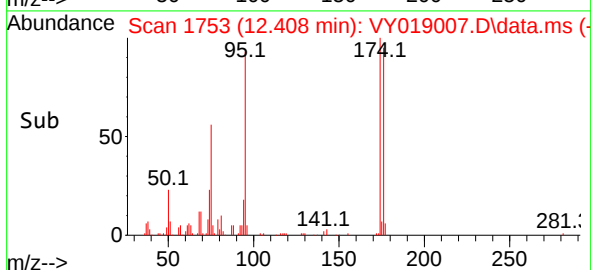
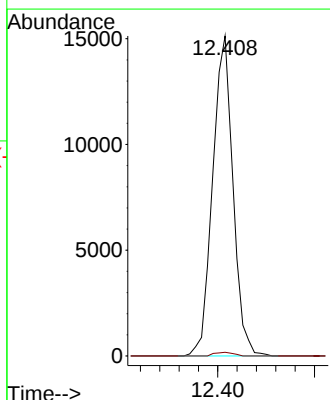
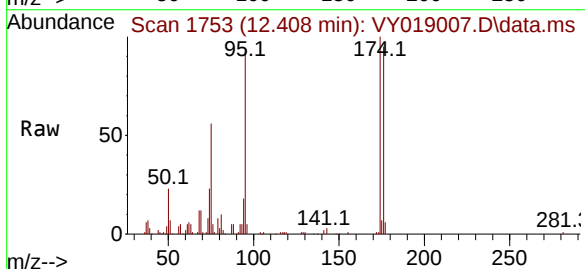
Acq: 12 Aug 2024 17:12

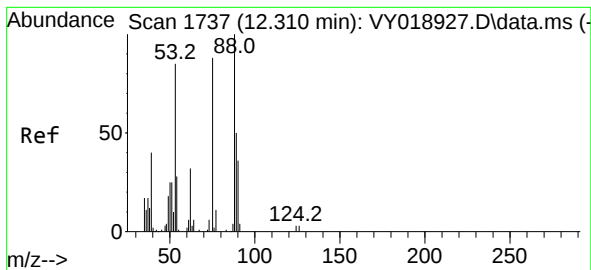
Tgt Ion: 75 Resp: 22065

Ion Ratio Lower Upper

75 100

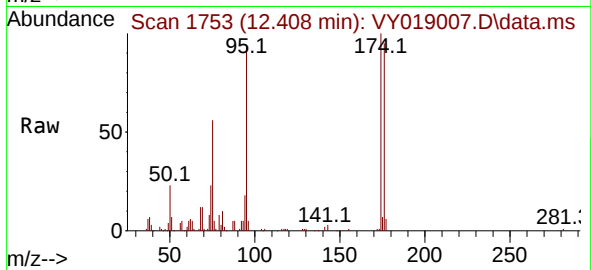
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 206.744 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY019007.D  
 Acq: 12 Aug 2024 17:12

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-CF-06-080624



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 66.8  | 100.2# |
| 89      | 0.3   | 35.8  | 53.6#  |

