

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
 Data File : VY019001.D  
 Acq On : 12 Aug 2024 14:45  
 Operator : SY/MD  
 Sample : P3519-15  
 Misc : 4.80g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-23-080724

Quant Time: Aug 13 01:15:19 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

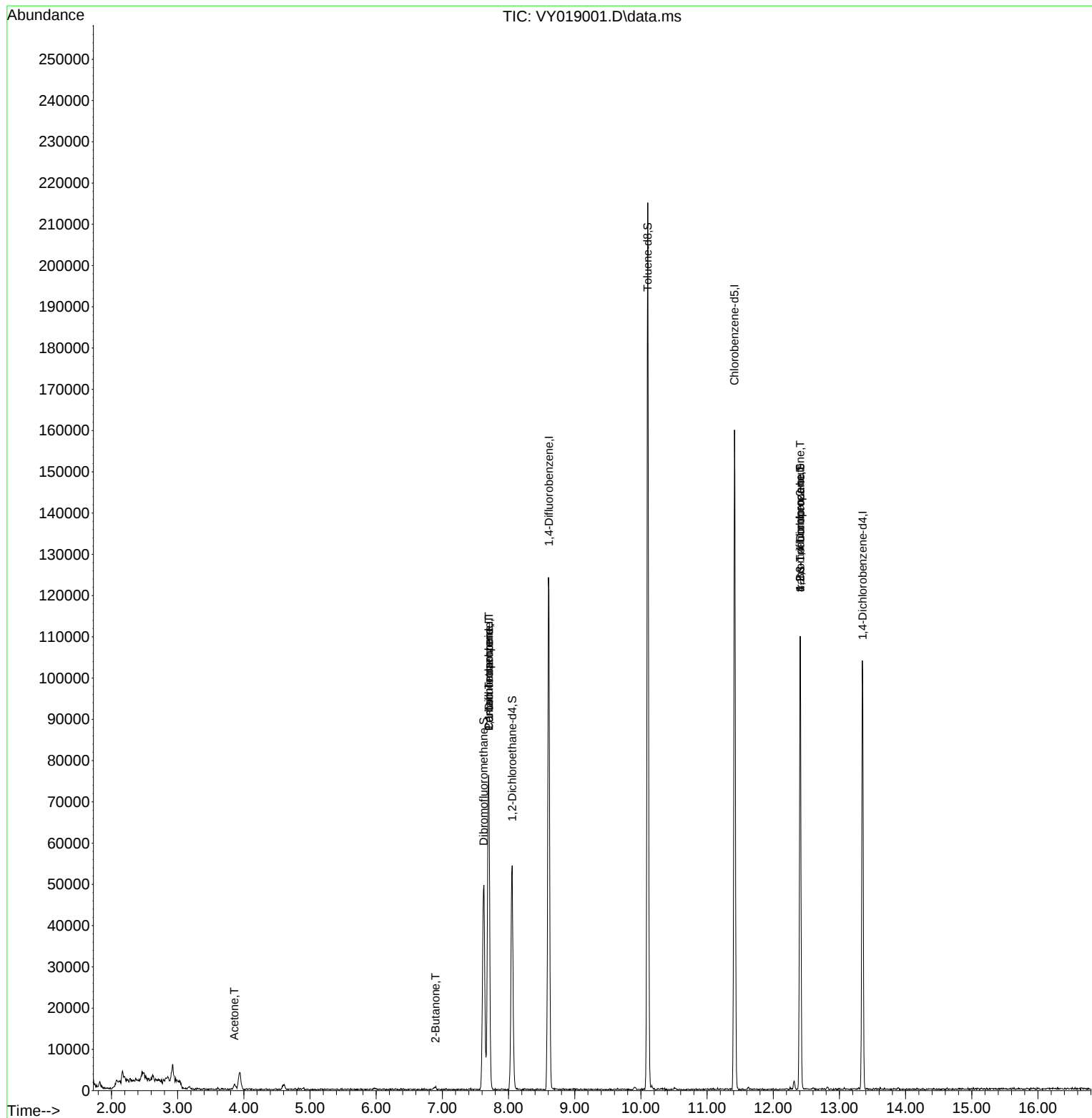
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 64507    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 105056   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 79881    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 24594    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 33487    | 59.126    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 118.260% |
| 35) Dibromofluoromethane      | 7.622  | 113   | 32248    | 48.061    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 96.120%  |
| 50) Toluene-d8                | 10.103 | 98    | 124181   | 48.183    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 96.360%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 27211    | 35.588    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 71.180%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.068  | 50    | 47       | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 4.842  | 59    | 45       | Below Cal | #      | 88       |
| 16) Acetone                   | 3.854  | 43    | 2052     | 25.862    | ug/l # | 82       |
| 20) Methylene Chloride        | 4.610  | 84    | 815      | Below Cal | #      | 89       |
| 25) 2-Butanone                | 6.896  | 43    | 545      | 2.972     | ug/l # | 86       |
| 31) Cyclohexane               | 7.689  | 56    | 1582     | Below Cal | #      | 44       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 4781     | 5.308     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 6244     | 6.046     | ug/l # | 18       |
| 41) Methacrylonitrile         | 7.305  | 41    | 50       | Below Cal | #      | 15       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 15877    | 86.655    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 15877    | 178.560   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

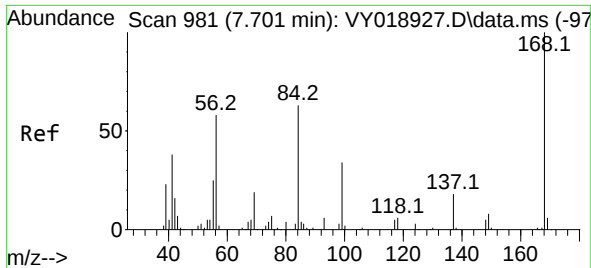
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
Data File : VY019001.D  
Acq On : 12 Aug 2024 14:45  
Operator : SY/MD  
Sample : P3519-15  
Misc : 4.80g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-23-080724

Quant Time: Aug 13 01:15:19 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

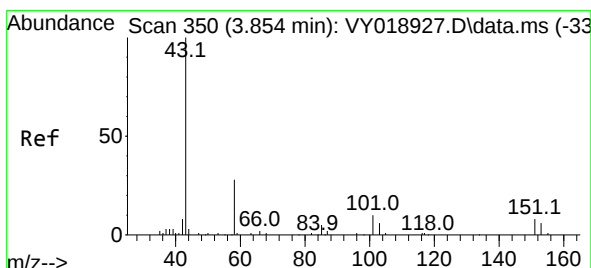
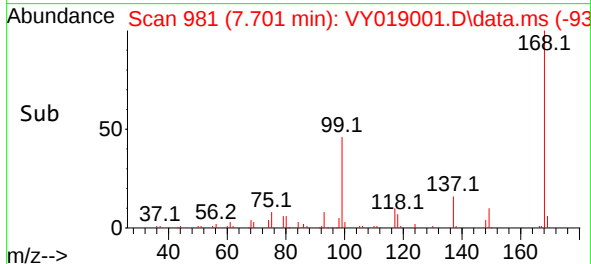
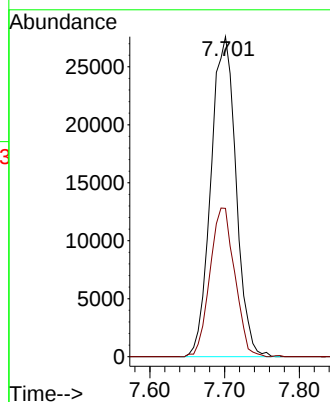
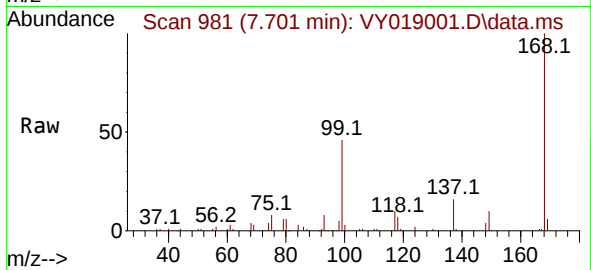




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

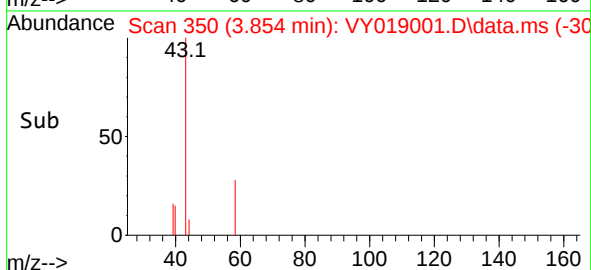
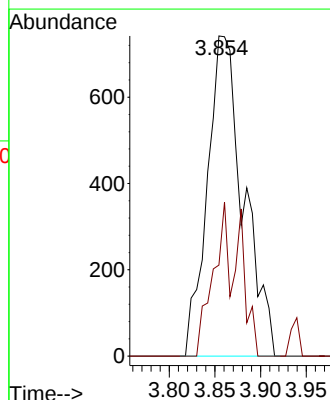
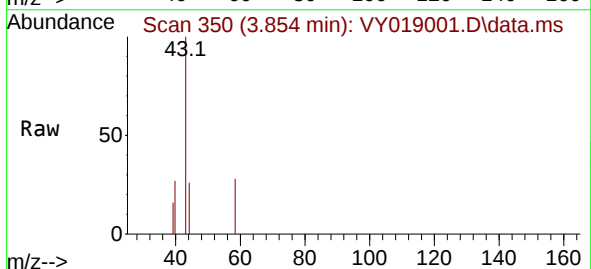
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-23-080724

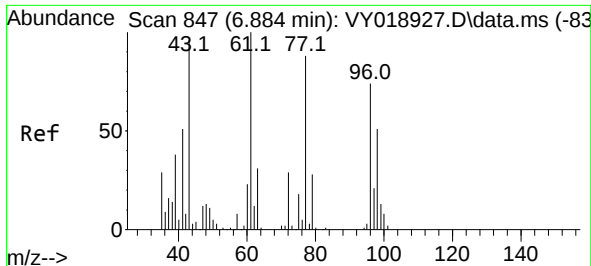
Tgt Ion:168 Resp: 64507  
Ion Ratio Lower Upper  
168 100  
99 46.4 39.1 58.7



#16  
Acetone  
Concen: 25.862 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

Tgt Ion: 43 Resp: 2052  
Ion Ratio Lower Upper  
43 100  
58 28.4 31.7 47.5#





#25

2-Butanone

Concen: 2.972 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY019001.D

Acq: 12 Aug 2024 14:45

Instrument :

MSVOA\_Y

ClientSampleId :

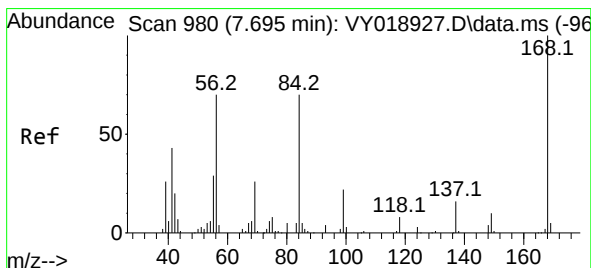
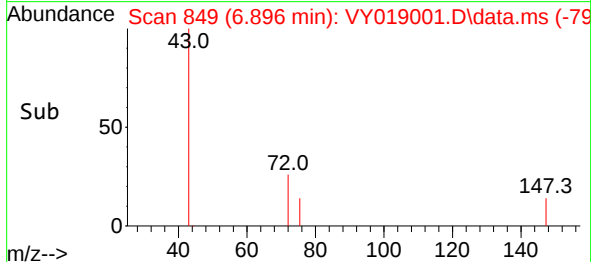
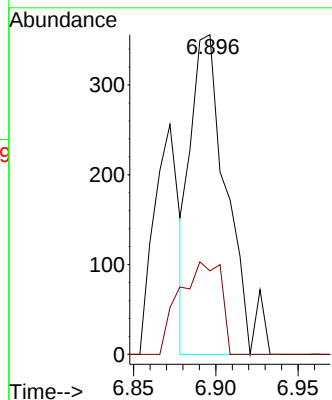
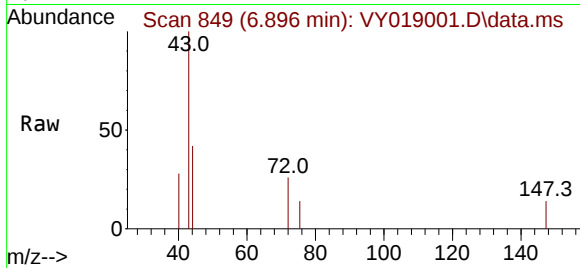
OU4-TS-23-080724

Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

72 26.1 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.689 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY019001.D

Acq: 12 Aug 2024 14:45

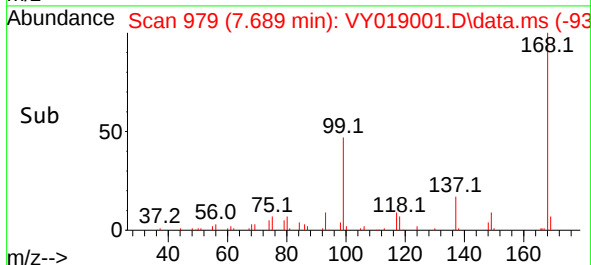
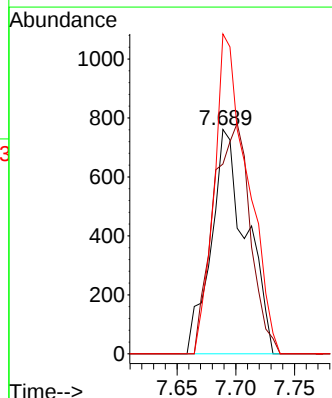
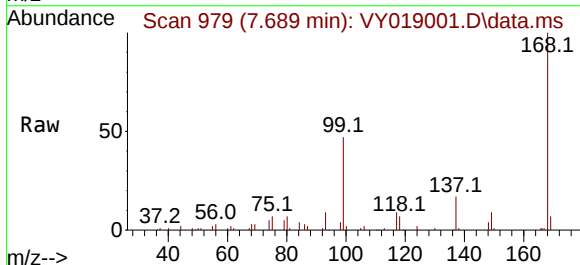
Tgt Ion: 56 Resp: 1582

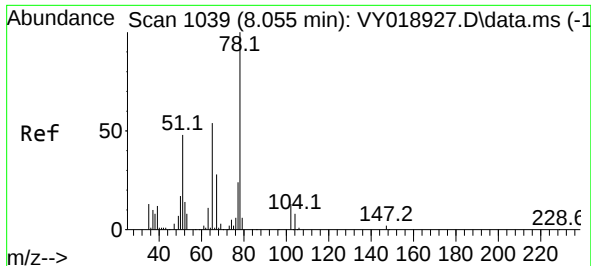
Ion Ratio Lower Upper

56 100

69 84.6 28.7 43.1#

84 142.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 59.126 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY019001.D

Acq: 12 Aug 2024 14:45

Instrument :

MSVOA\_Y

ClientSampleId :

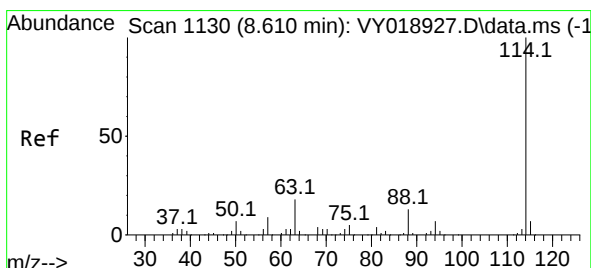
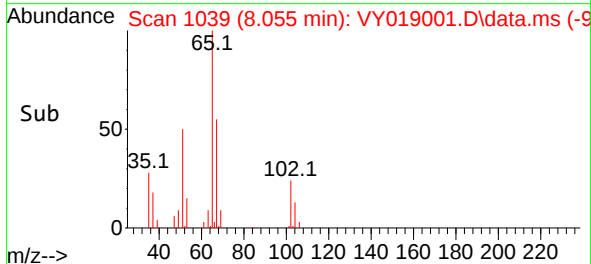
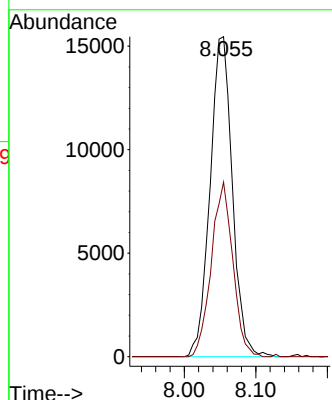
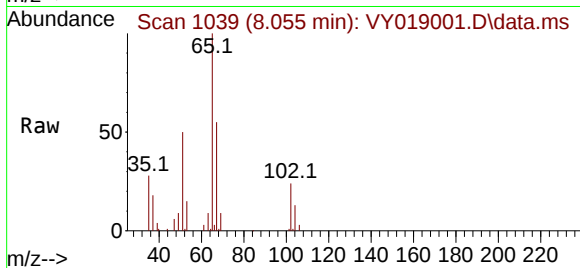
OU4-TS-23-080724

Tgt Ion: 65 Resp: 33487

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019001.D

Acq: 12 Aug 2024 14:45

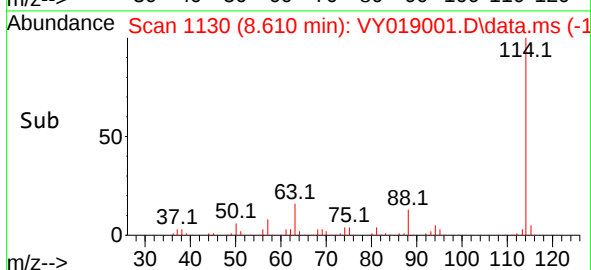
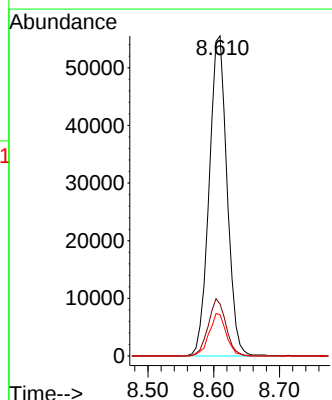
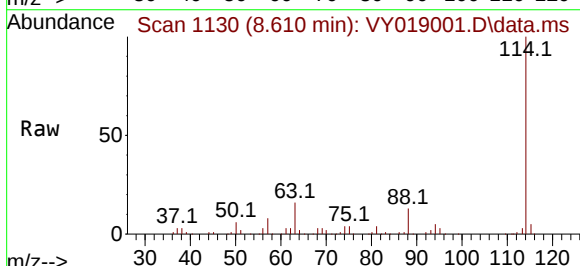
Tgt Ion: 114 Resp: 105056

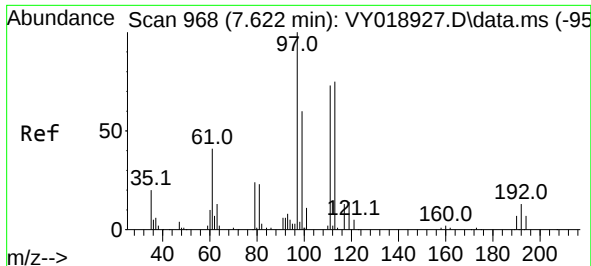
Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

88 12.9 0.0 27.2

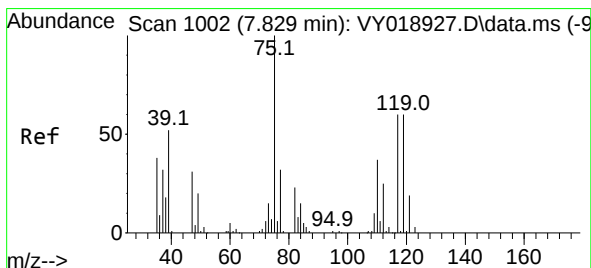
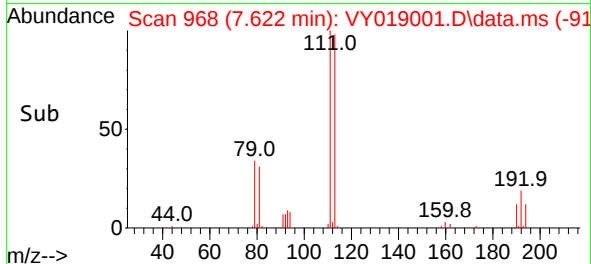
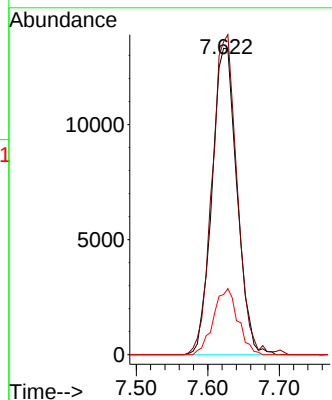
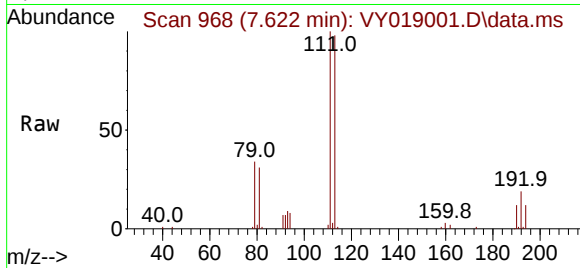




#35  
Dibromofluoromethane  
Concen: 48.061 ug/l  
RT: 7.622 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

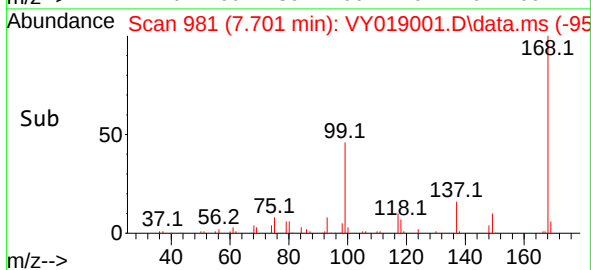
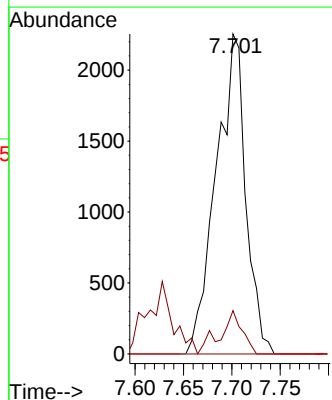
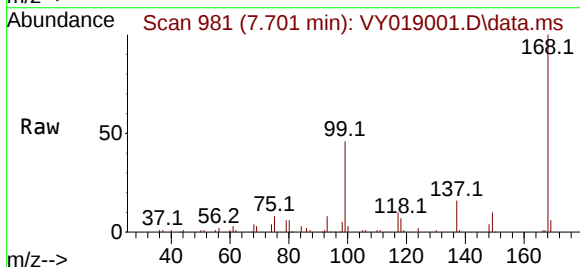
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-23-080724

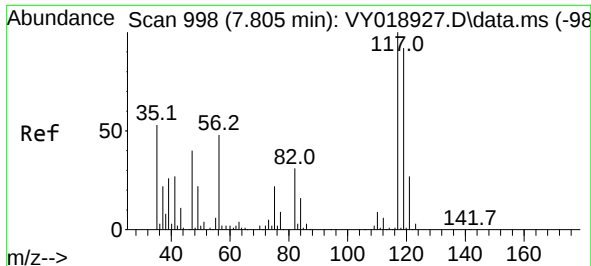
Tgt Ion:113 Resp: 32248  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.2 123.4  
192 21.2 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 5.308 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

Tgt Ion: 75 Resp: 4781  
Ion Ratio Lower Upper  
75 100  
110 7.6 19.0 57.0#  
77 0.0 25.3 37.9#

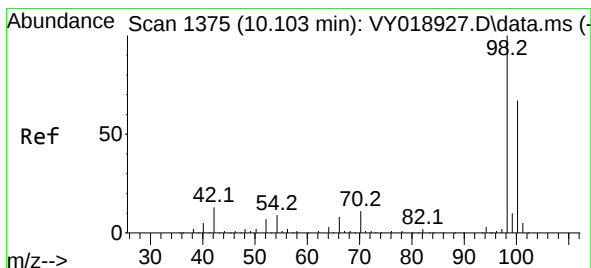
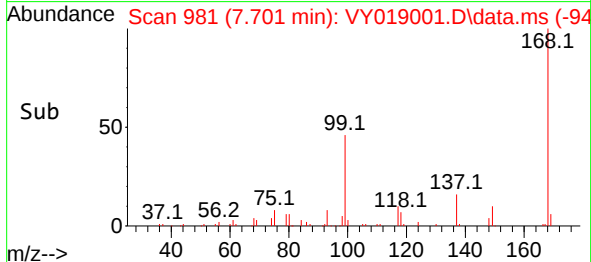
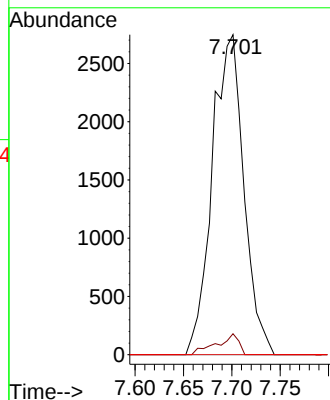
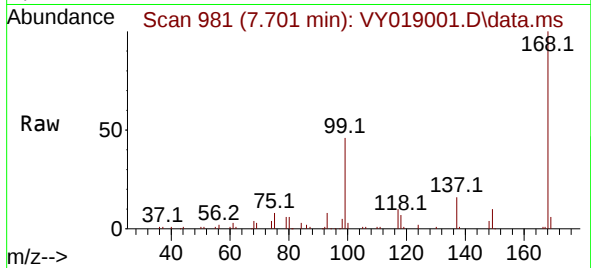




#38  
Carbon Tetrachloride  
Concen: 6.046 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

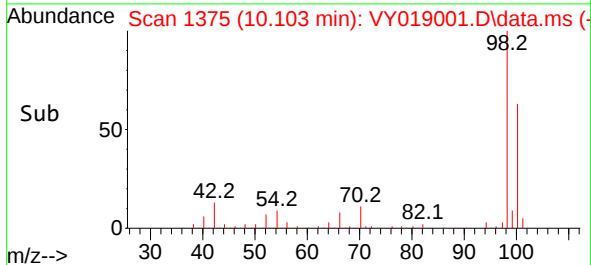
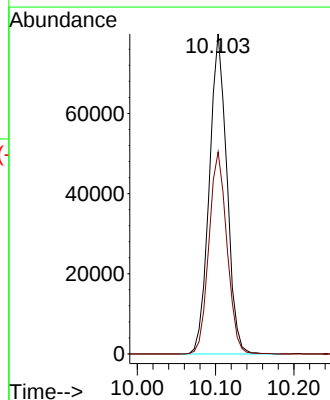
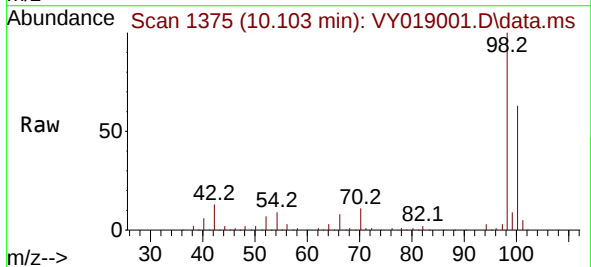
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-23-080724

Tgt Ion:117 Resp: 6244  
Ion Ratio Lower Upper  
117 100  
119 6.6 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 48.183 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

Tgt Ion: 98 Resp: 124181  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0

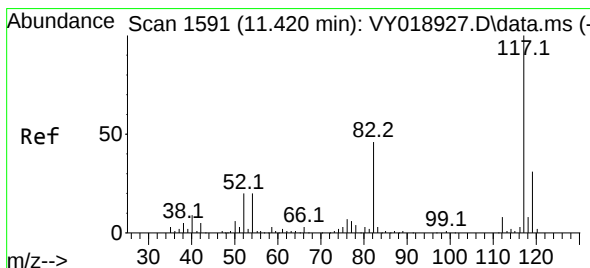
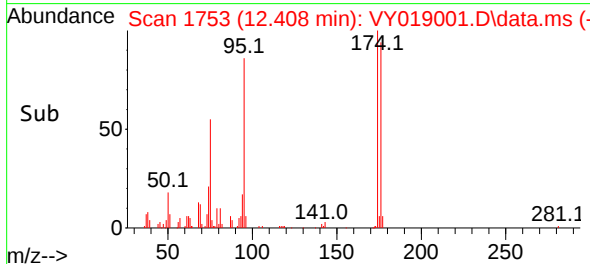
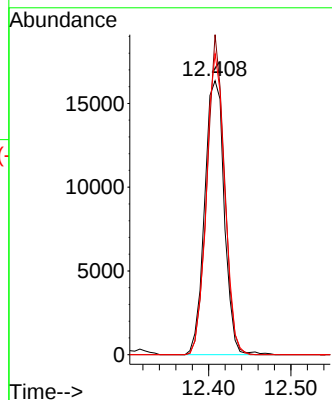
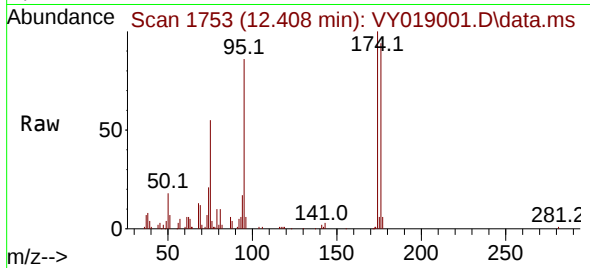




#62  
4-Bromofluorobenzene  
Concen: 35.588 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019001.D  
Acq: 12 Aug 2024 14:45

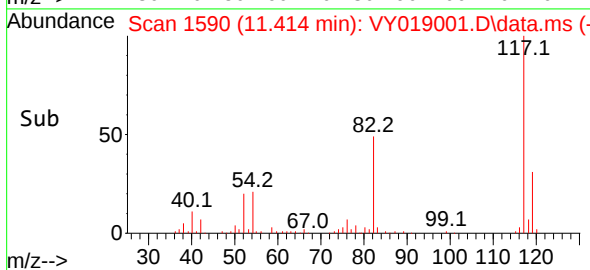
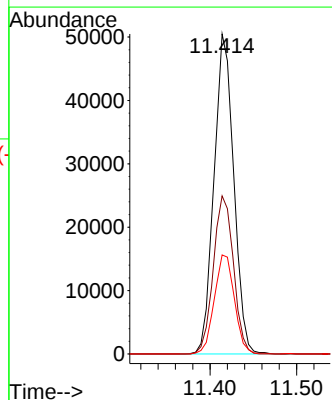
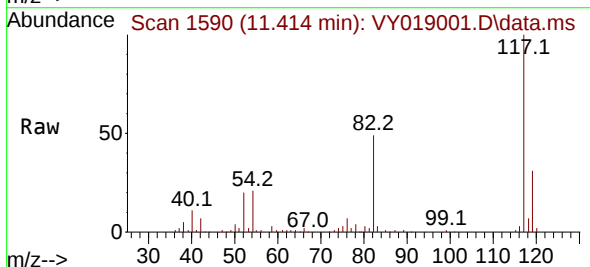
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-23-080724

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 27211 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 103.2 | 0.0   | 175.6 |
| 176      | 102.1 | 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: VY019001.D  
Acq: 12 Aug 2024 14:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 79881 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 49.4  | 42.4  | 63.6  |
| 119      | 30.9  | 25.9  | 38.9  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY019001.D

Acq: 12 Aug 2024 14:45

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-23-080724

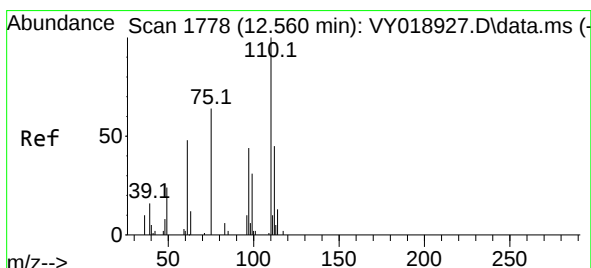
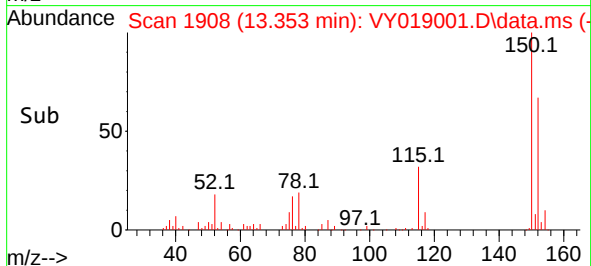
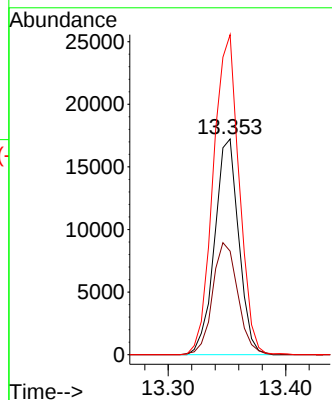
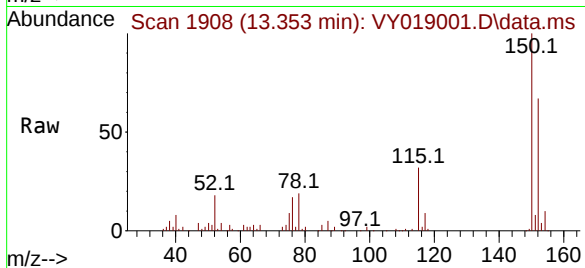
Tgt Ion:152 Resp: 24594

Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

150 159.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 86.655 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019001.D

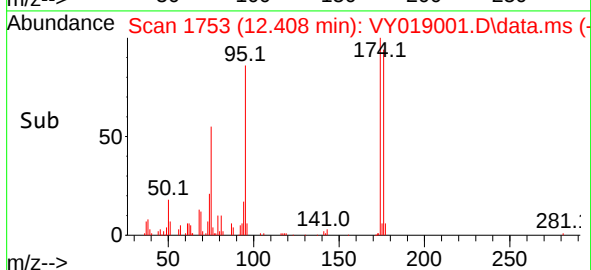
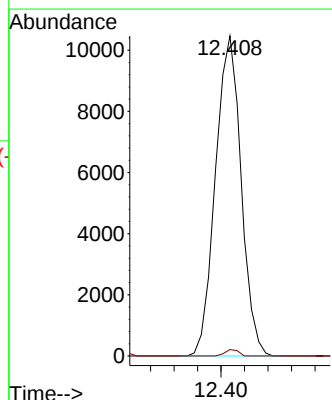
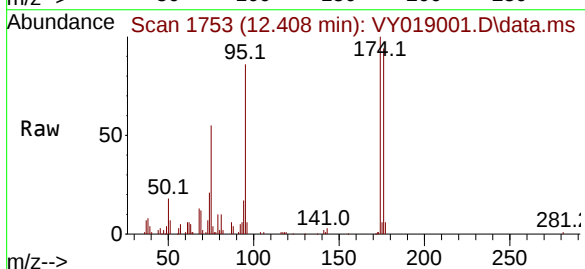
Acq: 12 Aug 2024 14:45

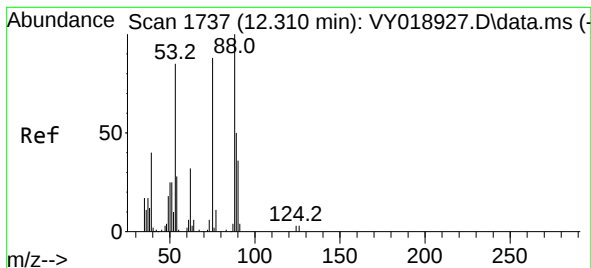
Tgt Ion: 75 Resp: 15877

Ion Ratio Lower Upper

75 100

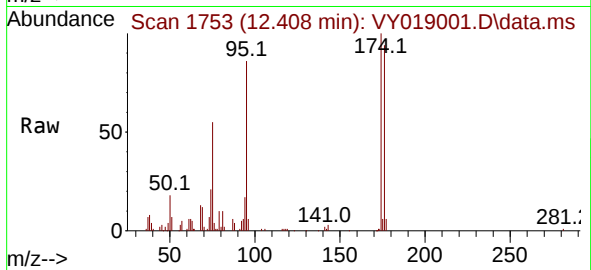
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 178.560 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY019001.D  
 Acq: 12 Aug 2024 14:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-23-080724



Tgt Ion: 75 Resp: 15877  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.0 35.8 53.6#

