

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081324\  
 Data File : VY019037.D  
 Acq On : 13 Aug 2024 18:23  
 Operator : SY/MD  
 Sample : P3549-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-04-080924

Quant Time: Aug 14 01:40:58 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

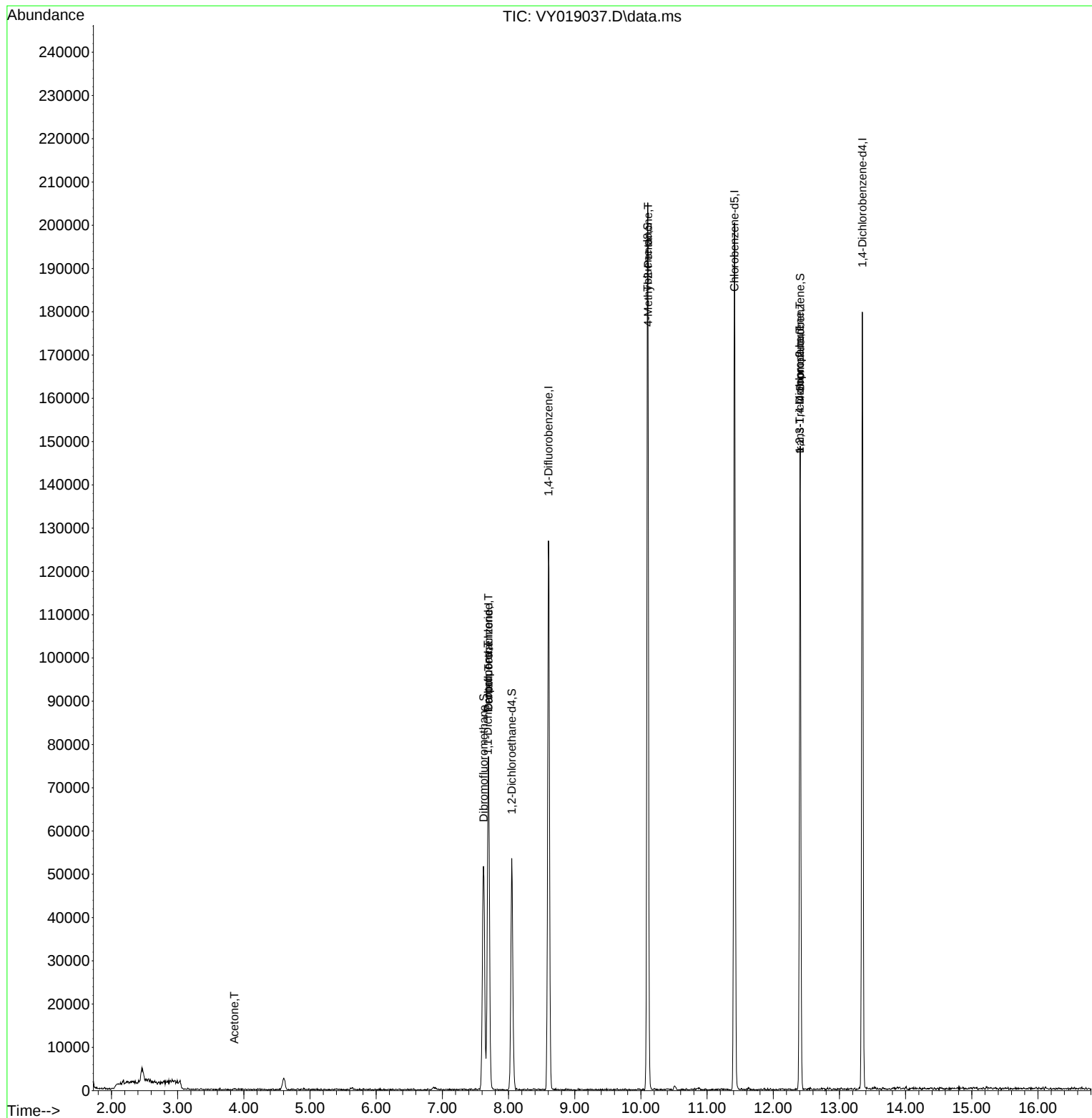
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.695  | 168   | 60260    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.603  | 114   | 106405   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 96997    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 41080    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.049  | 65    | 30889    | 58.383    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 116.760% |
| 35) Dibromofluoromethane      | 7.622  | 113   | 33773    | 49.696    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.400%  |
| 50) Toluene-d8                | 10.103 | 98    | 124827   | 47.820    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 95.640%  |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 34728    | 44.843    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 89.680%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.232  | 50    | 22       | Below Cal | #      | 43       |
| 16) Acetone                   | 3.854  | 43    | 129      | 13.422    | ug/l # | 36       |
| 20) Methylene Chloride        | 4.598  | 84    | 1638     | Below Cal | #      | 86       |
| 31) Cyclohexane               | 7.683  | 56    | 1804     | Below Cal | #      | 58       |
| 36) 1,1-Dichloropropene       | 7.689  | 75    | 4818     | 5.281     | ug/l # | 42       |
| 38) Carbon Tetrachloride      | 7.695  | 117   | 5531     | 5.288     | ug/l # | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.109 | 43    | 651      | 1.489     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 22068    | 72.108    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 22068    | 148.586   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

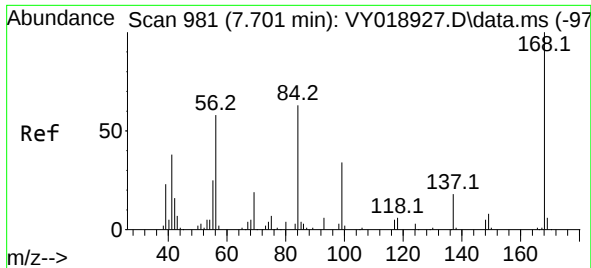
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
SU-04-080924

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Quant Title : SW846 8260  
QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration

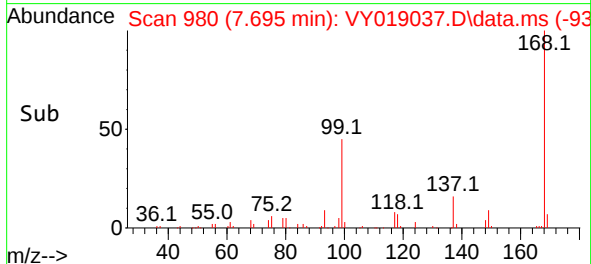
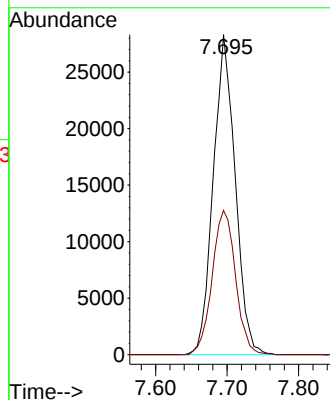
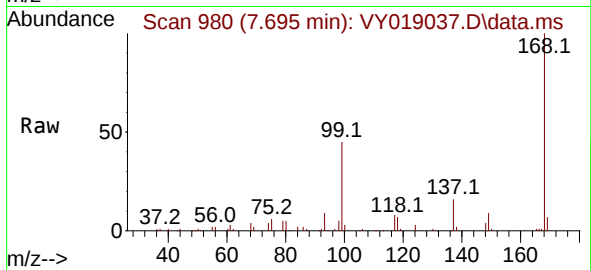




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019037.D  
Acq: 13 Aug 2024 18:23

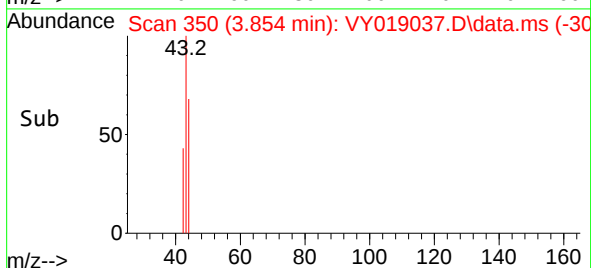
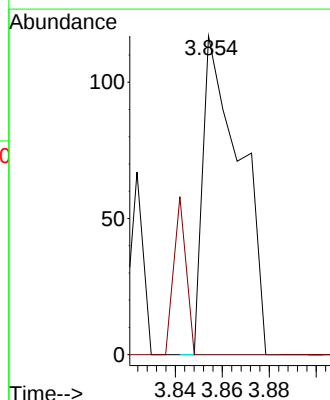
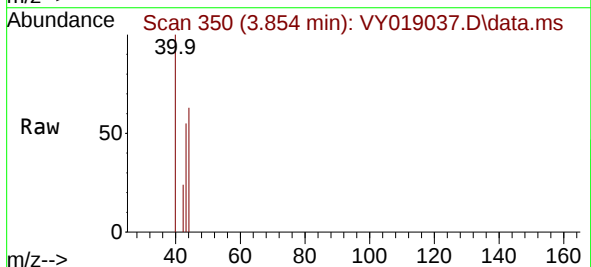
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-04-080924

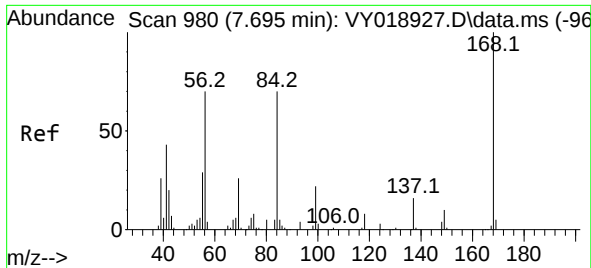
Tgt Ion:168 Resp: 60260  
Ion Ratio Lower Upper  
168 100  
99 45.1 39.1 58.7



#16  
Acetone  
Concen: 13.422 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. -0.000 min  
Lab File: VY019037.D  
Acq: 13 Aug 2024 18:23

Tgt Ion: 43 Resp: 129  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#

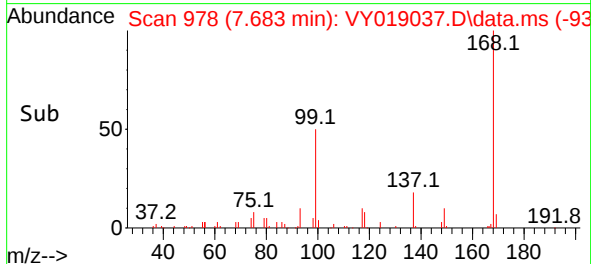
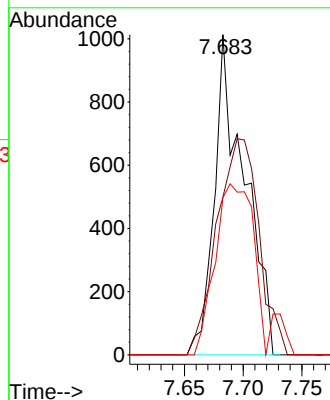
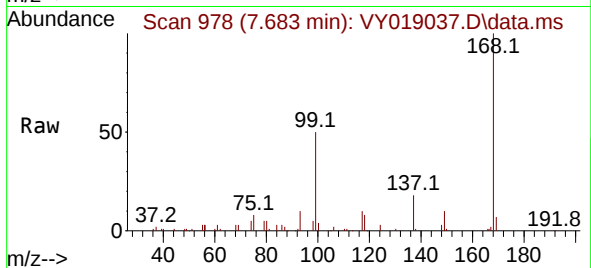




#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.683 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY019037.D  
Acq: 13 Aug 2024 18:23

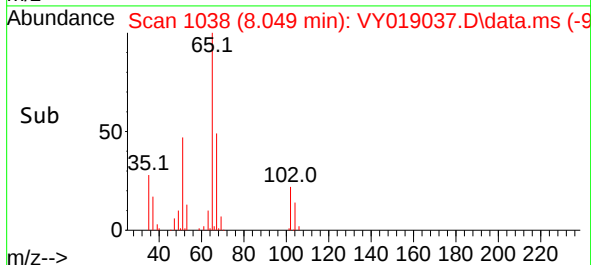
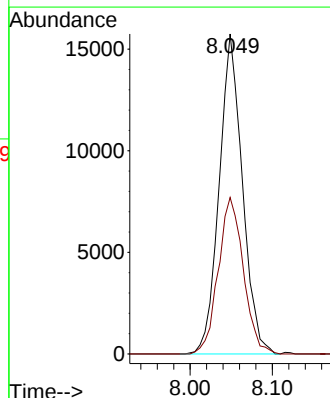
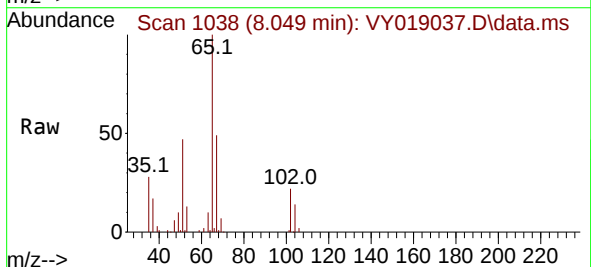
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-04-080924

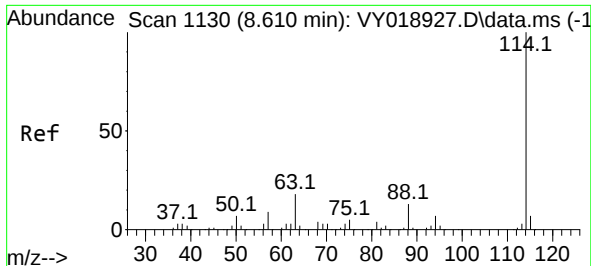
Tgt Ion: 56 Resp: 1804  
Ion Ratio Lower Upper  
56 100  
69 49.3 28.7 43.1#  
84 49.1 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 58.383 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY019037.D  
Acq: 13 Aug 2024 18:23

Tgt Ion: 65 Resp: 30889  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019037.D

Acq: 13 Aug 2024 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

SU-04-080924

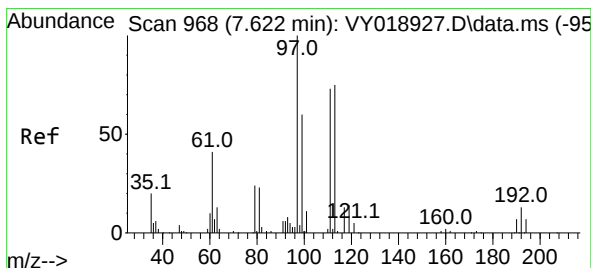
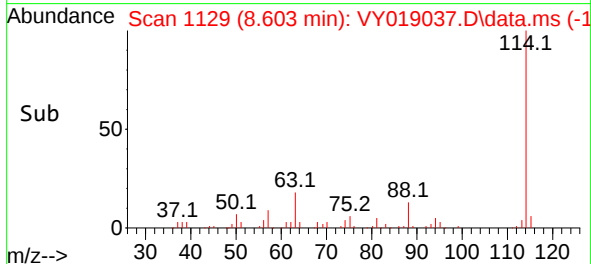
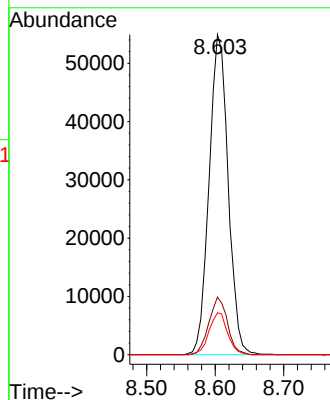
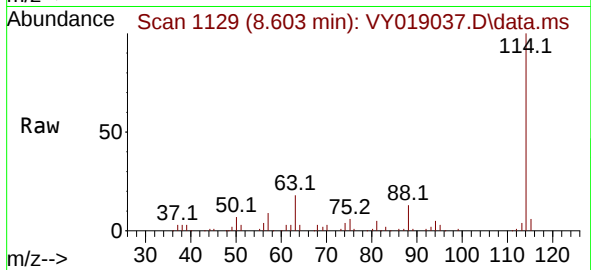
Tgt Ion:114 Resp: 106405

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.696 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019037.D

Acq: 13 Aug 2024 18:23

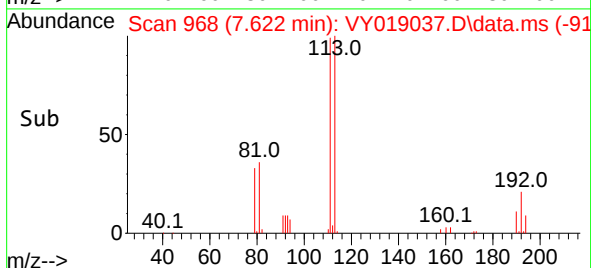
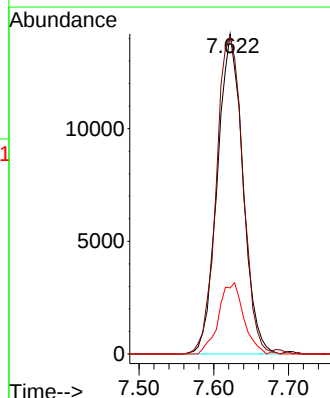
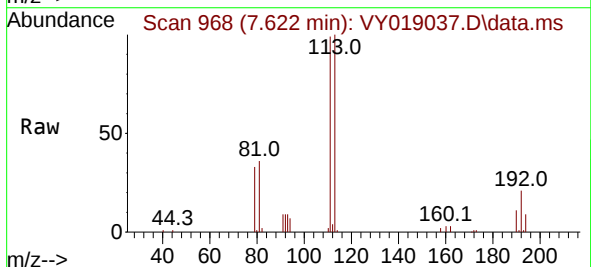
Tgt Ion:113 Resp: 33773

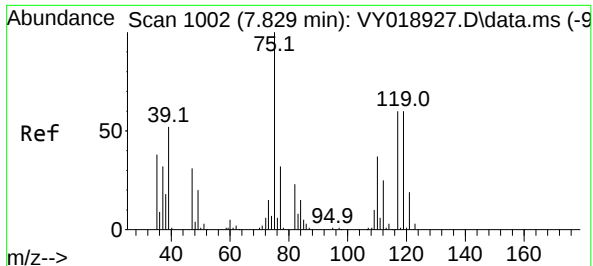
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 21.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.281 ug/l

RT: 7.689 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY019037.D

Acq: 13 Aug 2024 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

SU-04-080924

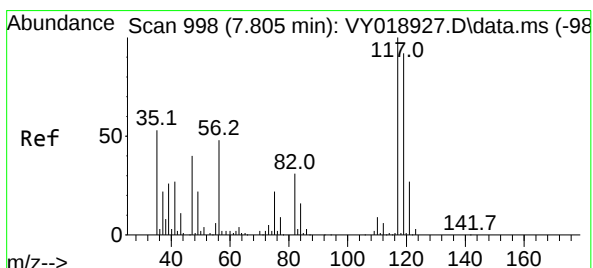
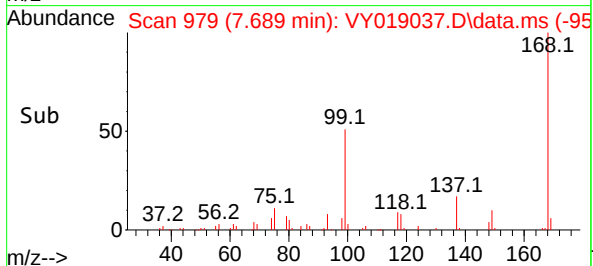
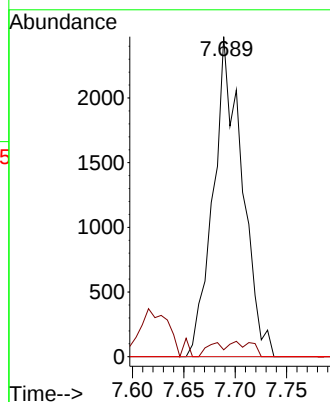
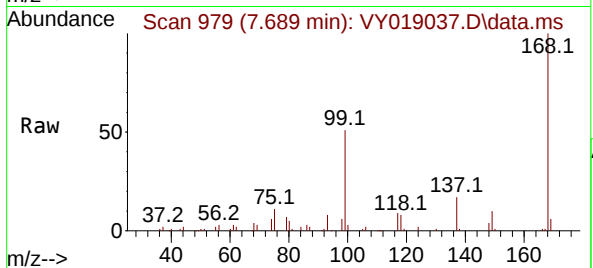
Tgt Ion: 75 Resp: 4818

Ion Ratio Lower Upper

75 100

110 2.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.288 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019037.D

Acq: 13 Aug 2024 18:23

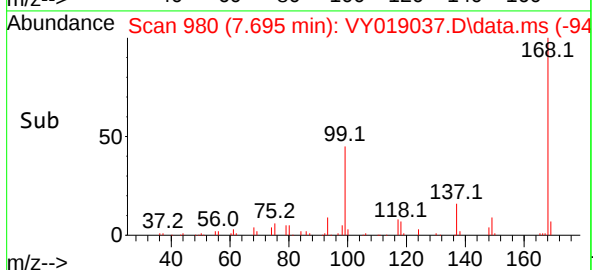
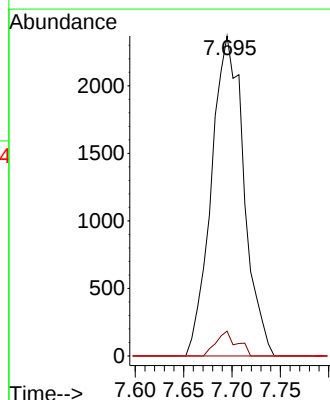
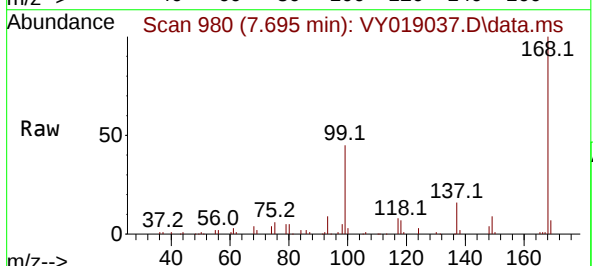
Tgt Ion: 117 Resp: 5531

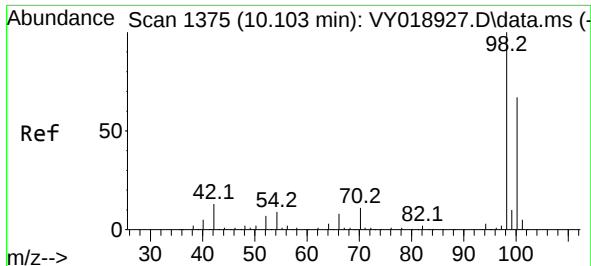
Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.820 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019037.D

Acq: 13 Aug 2024 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

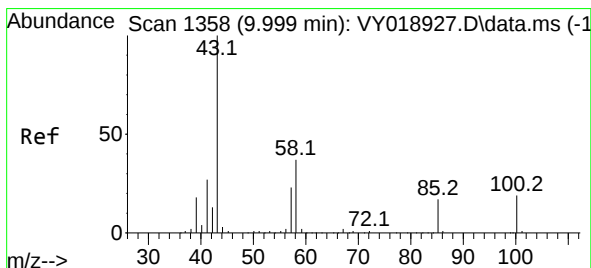
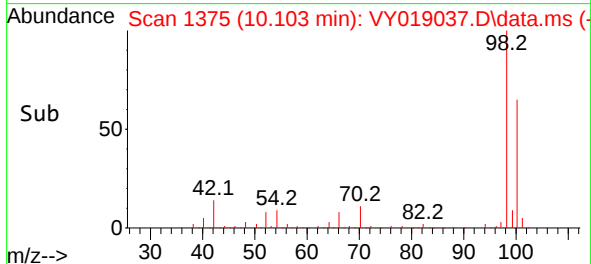
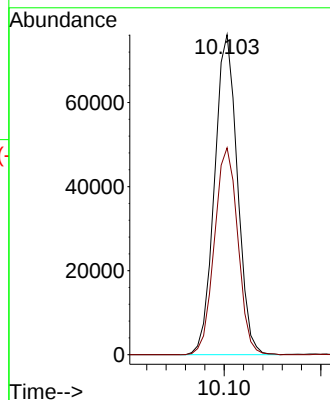
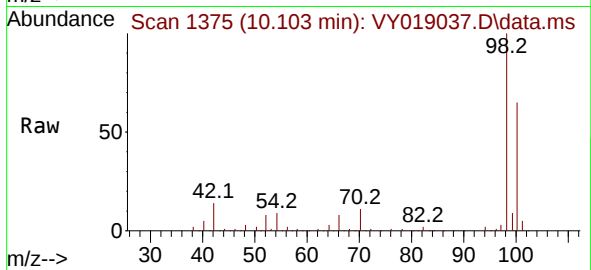
SU-04-080924

Tgt Ion: 98 Resp: 124827

Ion Ratio Lower Upper

98 100

100 66.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.489 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.110 min

Lab File: VY019037.D

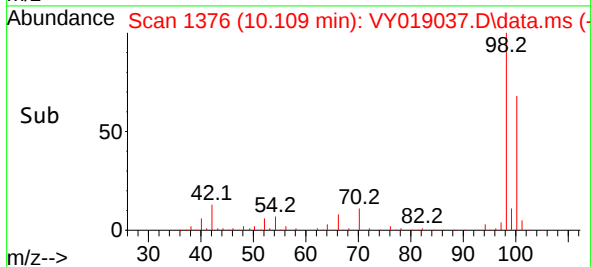
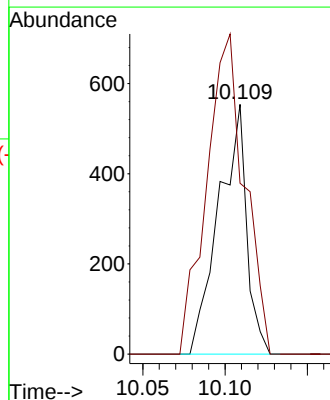
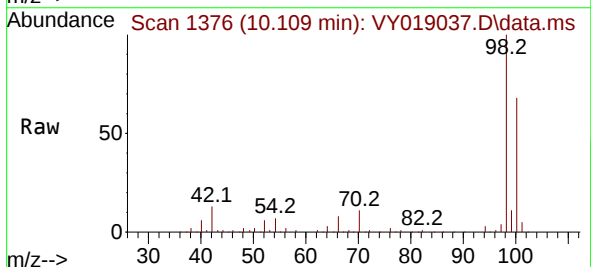
Acq: 13 Aug 2024 18:23

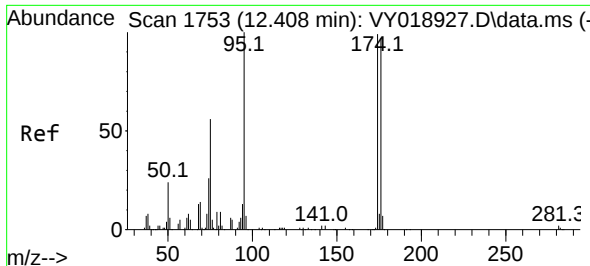
Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

58 174.3 35.7 53.5#

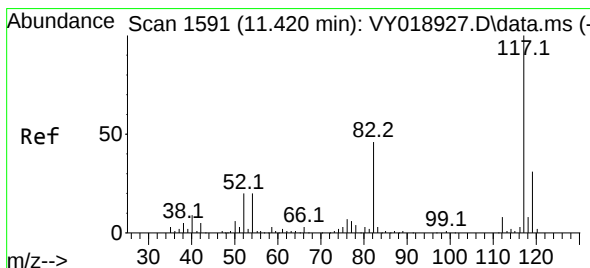
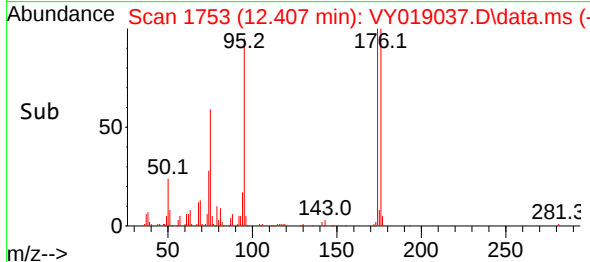
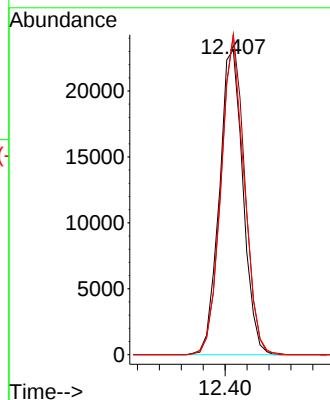
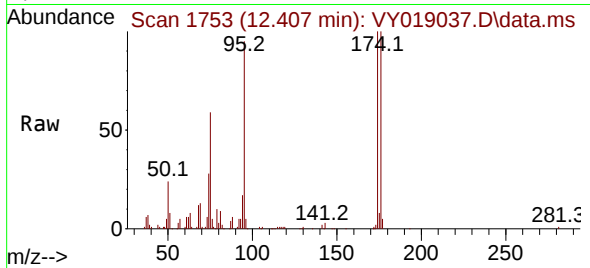




#62  
4-Bromofluorobenzene  
Concen: 44.843 ug/l  
RT: 12.407 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY019037.D  
Acq: 13 Aug 2024 18:23

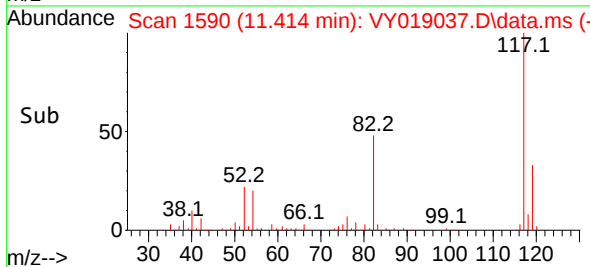
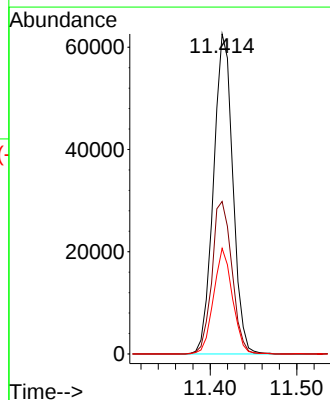
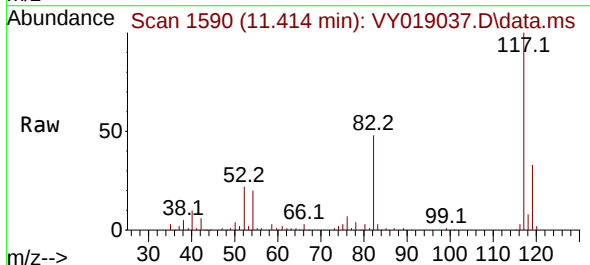
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-04-080924

Tgt Ion: 95 Resp: 34728  
Ion Ratio Lower Upper  
95 100  
174 104.4 0.0 175.6  
176 101.9 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: VY019037.D  
Acq: 13 Aug 2024 18:23

Tgt Ion: 117 Resp: 96997  
Ion Ratio Lower Upper  
117 100  
82 47.6 42.4 63.6  
119 33.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY019037.D

Acq: 13 Aug 2024 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

SU-04-080924

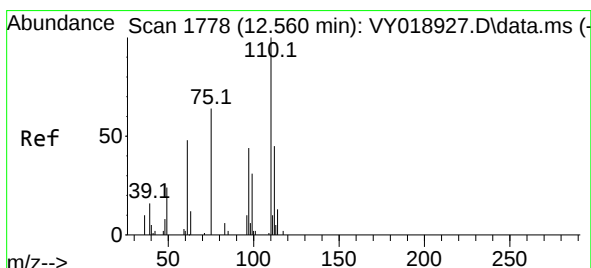
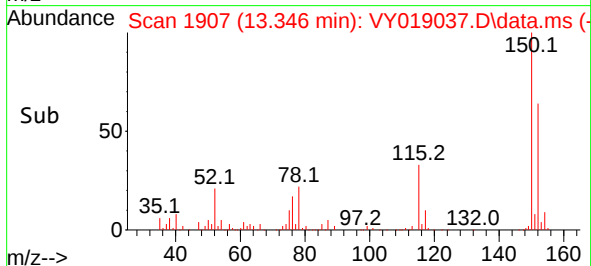
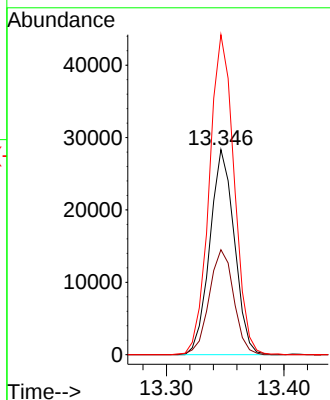
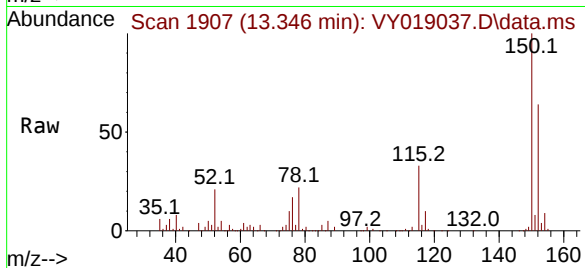
Tgt Ion:152 Resp: 41080

Ion Ratio Lower Upper

152 100

115 51.3 28.2 84.7

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 72.108 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY019037.D

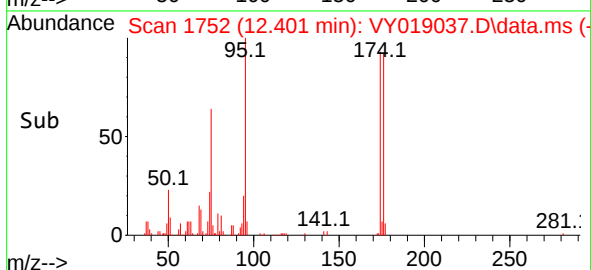
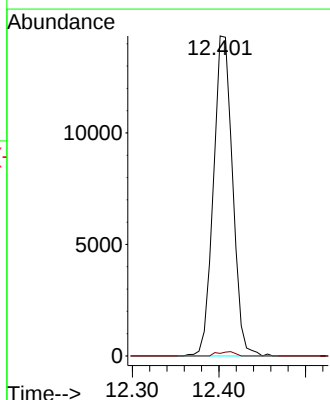
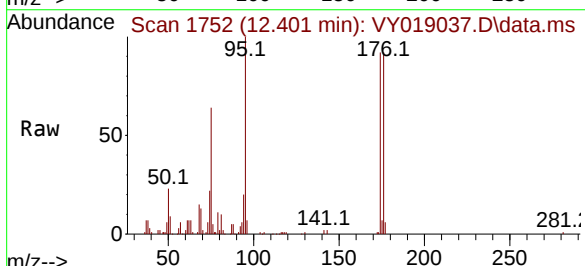
Acq: 13 Aug 2024 18:23

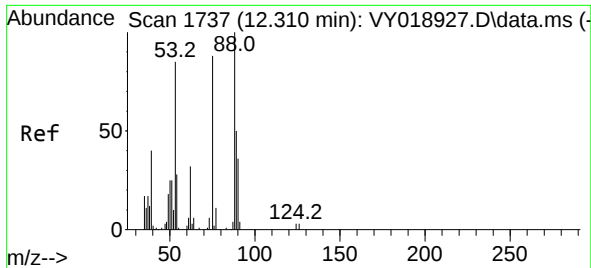
Tgt Ion: 75 Resp: 22068

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 148.586 ug/l  
 RT: 12.401 min Scan# 11  
 Delta R.T. 0.091 min  
 Lab File: VY019037.D  
 Acq: 13 Aug 2024 18:23

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-04-080924

Tgt Ion: 75 Resp: 22068  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.1 35.8 53.6#

