

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081324\  
 Data File : VY019030.D  
 Acq On : 13 Aug 2024 15:30  
 Operator : SY/MD  
 Sample : P3519-13  
 Misc : 4.33g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 14 01:38:13 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

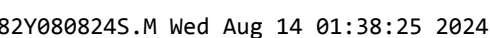
| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.695  | 168  | 50374    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.603  | 114  | 84265    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 68396    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 23025    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.054  | 65    | 23280    | 52.636   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.280% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 26776    | 49.752   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.500%  |
| 50) Toluene-d8              | 10.103 | 98    | 96569    | 46.715   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.420%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 22655    | 36.940   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 73.880%  |

| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 2.165  | 50   | 42       | Below Cal | #      | 43     |
| 11) Tert butyl alcohol        | 4.848  | 59   | 19       | Below Cal | #      | 88     |
| 16) Acetone                   | 3.854  | 43   | 210      | 14.270    | ug/l # | 36     |
| 20) Methylene Chloride        | 4.604  | 84   | 824      | Below Cal | #      | 52     |
| 31) Cyclohexane               | 7.689  | 56   | 1290     | Below Cal | #      | 47     |
| 36) 1,1-Dichloropropene       | 7.701  | 75   | 3693     | 5.112     | ug/l # | 45     |
| 38) Carbon Tetrachloride      | 7.695  | 117  | 4543     | 5.484     | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone      | 10.097 | 43   | 548      | 1.582     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75   | 12720    | 74.155    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75   | 12720    | 152.803   | ug/l # | 16     |

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

Quant Time: Aug 14 01:38:13 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

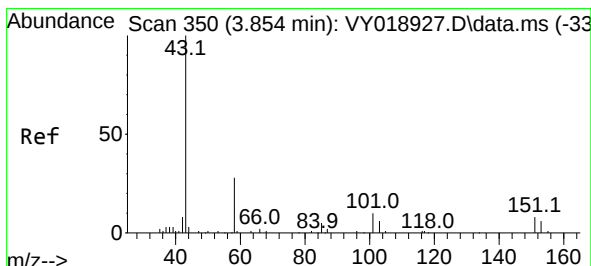
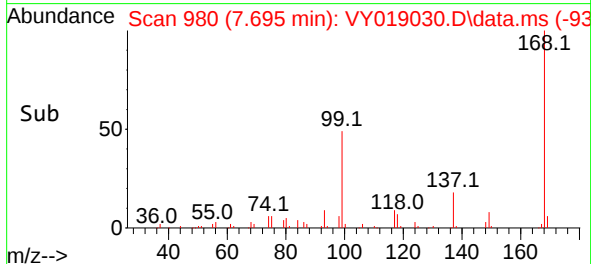
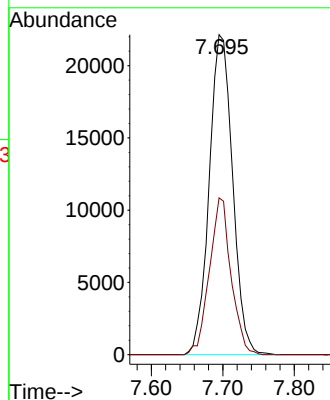
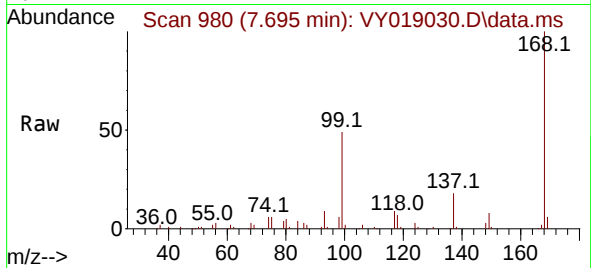




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019030.D  
Acq: 13 Aug 2024 15:30

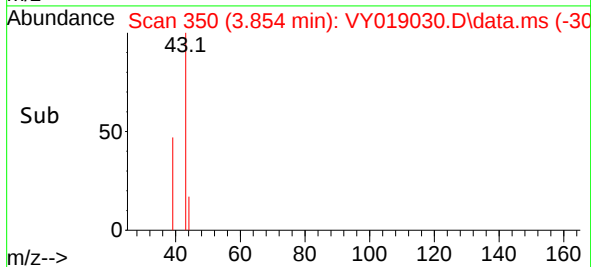
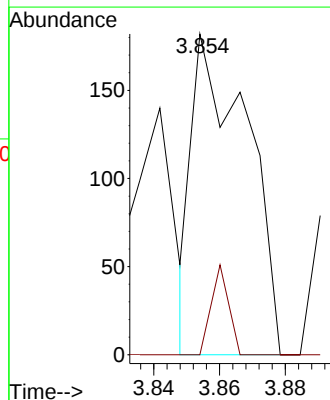
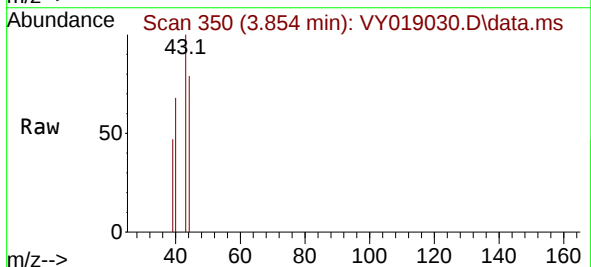
Instrument :  
MSVOA\_Y  
ClientSampleId :

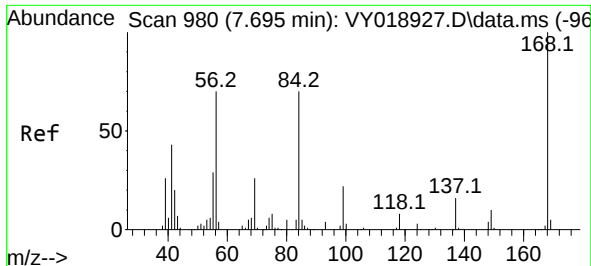
Tgt Ion:168 Resp: 50374  
Ion Ratio Lower Upper  
168 100  
99 49.0 39.1 58.7



#16  
Acetone  
Concen: 14.270 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. -0.000 min  
Lab File: VY019030.D  
Acq: 13 Aug 2024 15:30

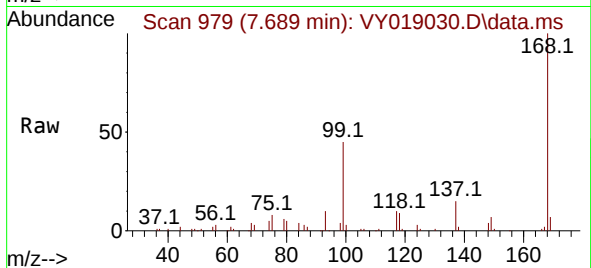
Tgt Ion: 43 Resp: 210  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



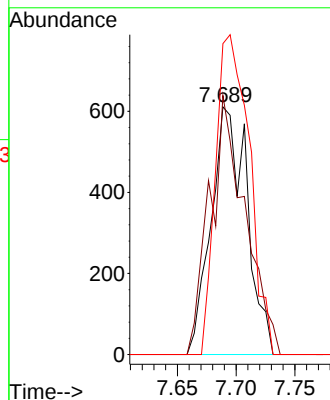
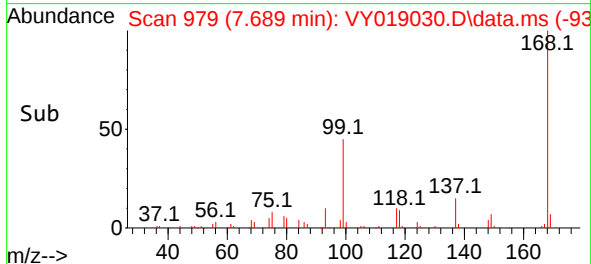


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.689 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019030.D  
Acq: 13 Aug 2024 15:30

Instrument :  
MSVOA\_Y  
ClientSampleId :

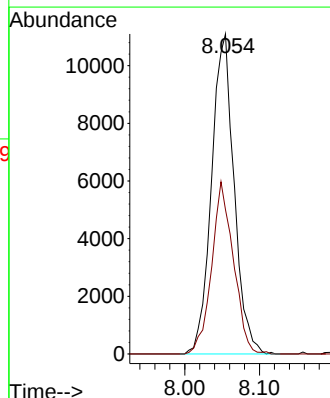
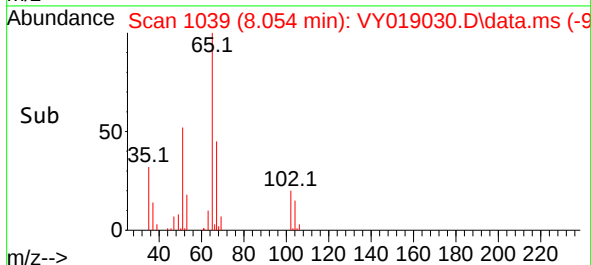
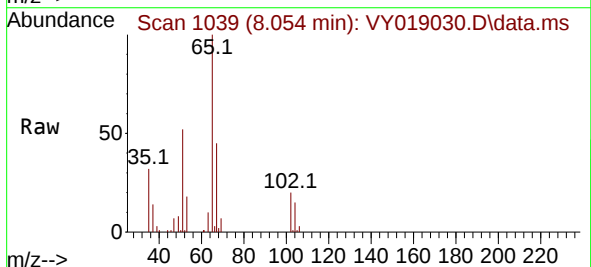


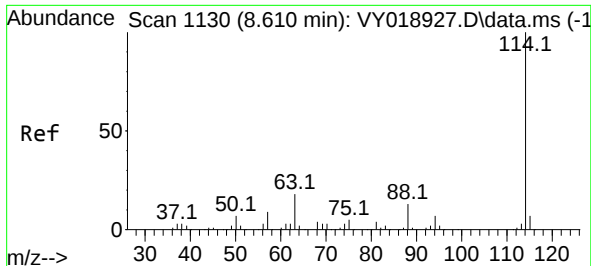
Tgt Ion: 56 Resp: 1290  
Ion Ratio Lower Upper  
56 100  
69 104.6 28.7 43.1#  
84 125.5 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 52.636 ug/l  
RT: 8.054 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY019030.D  
Acq: 13 Aug 2024 15:30

Tgt Ion: 65 Resp: 23280  
Ion Ratio Lower Upper  
65 100  
67 52.0 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: VY019030.D

Acq: 13 Aug 2024 15:30

Instrument :

MSVOA\_Y

ClientSampleId :

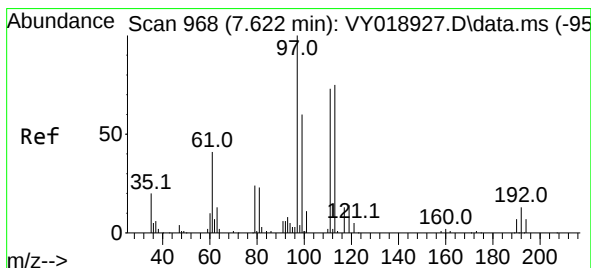
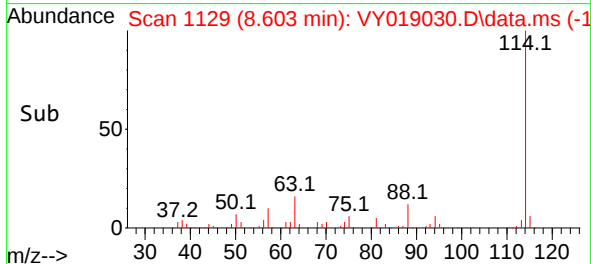
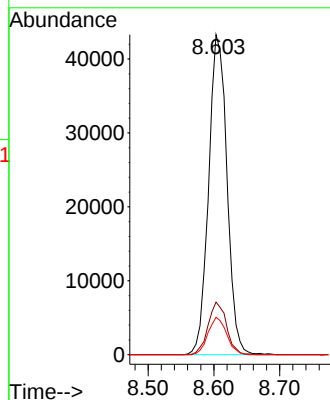
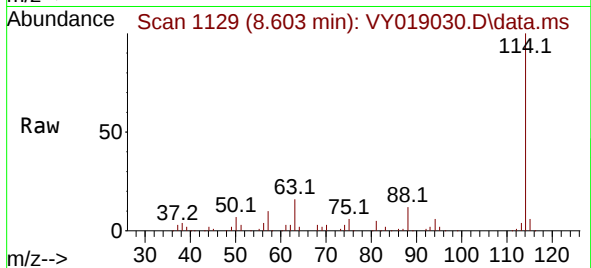
Tgt Ion:114 Resp: 84265

Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

88 11.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.752 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019030.D

Acq: 13 Aug 2024 15:30

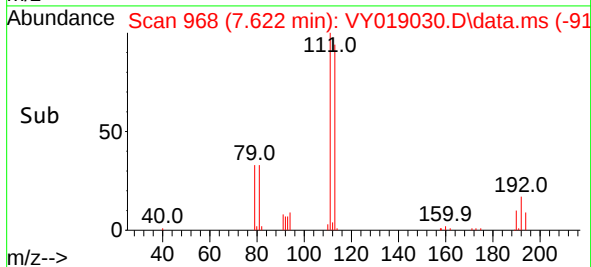
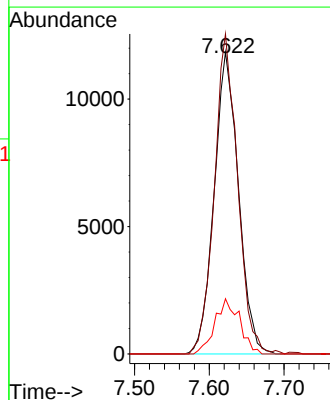
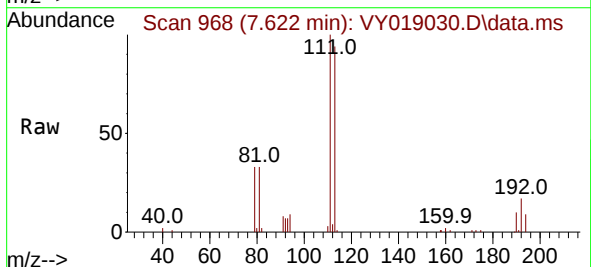
Tgt Ion:113 Resp: 26776

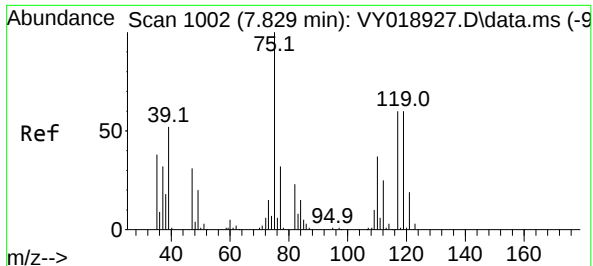
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

192 18.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019030.D

Acq: 13 Aug 2024 15:30

Instrument :

MSVOA\_Y

ClientSampleId :

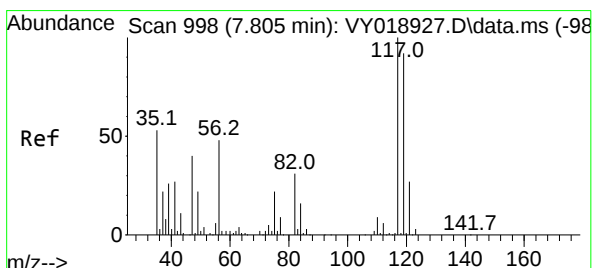
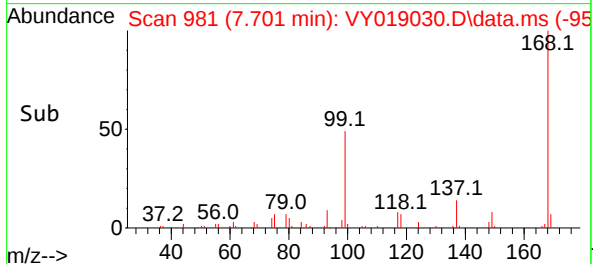
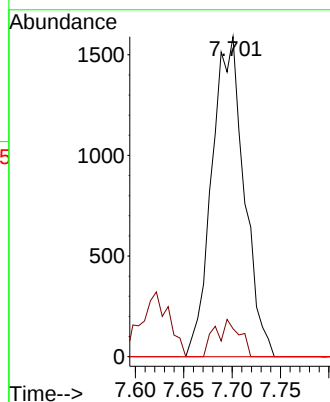
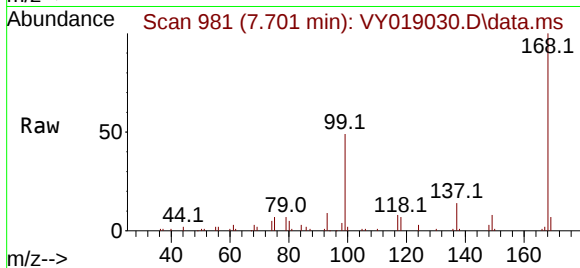
Tgt Ion: 75 Resp: 3693

Ion Ratio Lower Upper

75 100

110 5.4 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019030.D

Acq: 13 Aug 2024 15:30

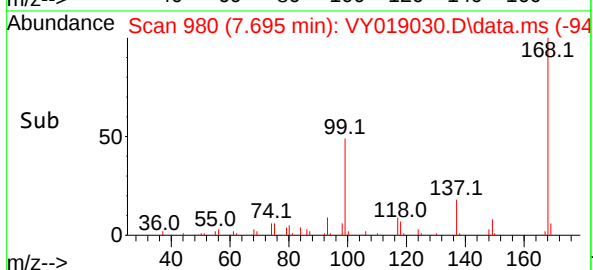
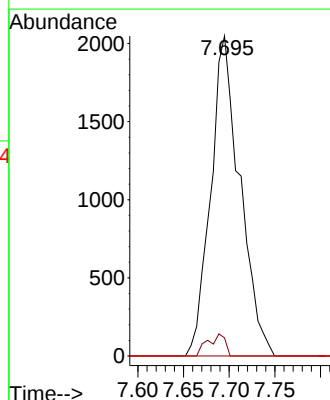
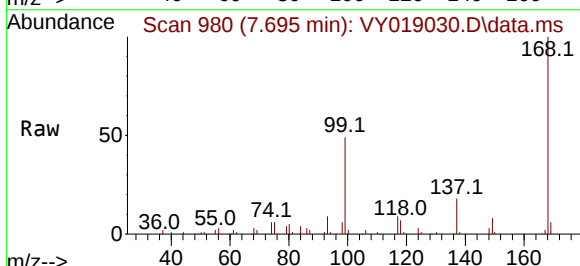
Tgt Ion: 117 Resp: 4543

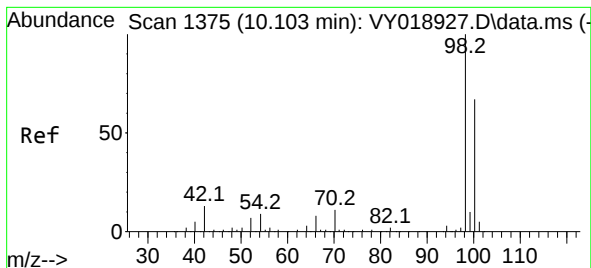
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.715 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019030.D

Acq: 13 Aug 2024 15:30

Instrument :

MSVOA\_Y

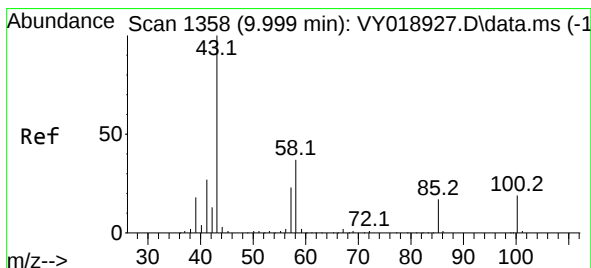
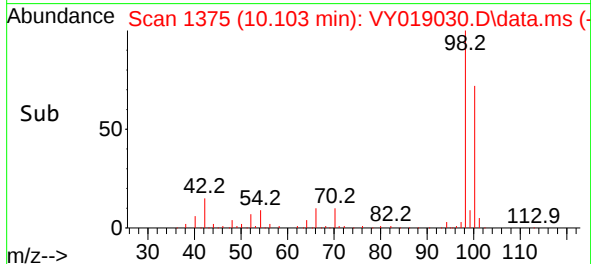
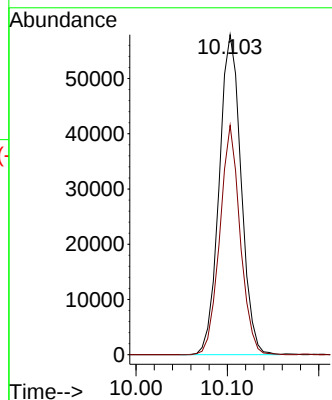
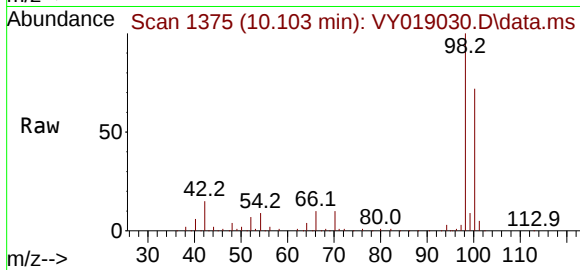
ClientSampleId :

Tgt Ion: 98 Resp: 96569

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.582 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.097 min

Lab File: VY019030.D

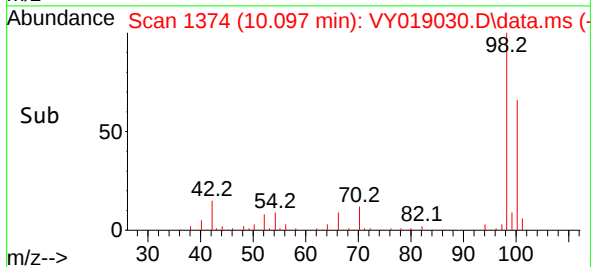
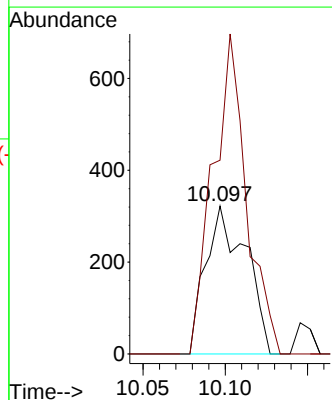
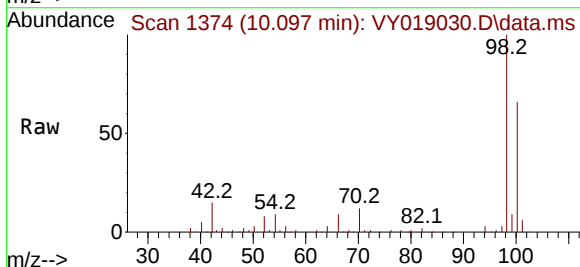
Acq: 13 Aug 2024 15:30

Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

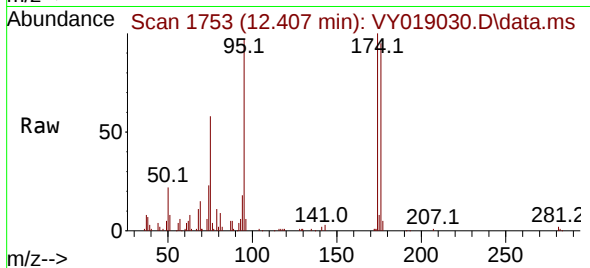
58 179.6 35.7 53.5#



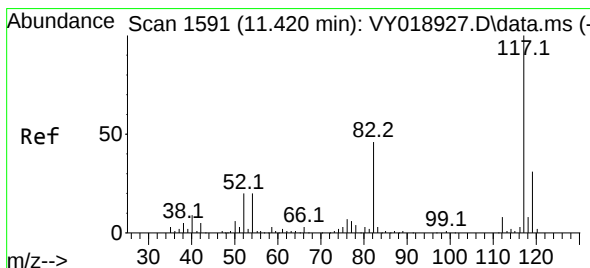
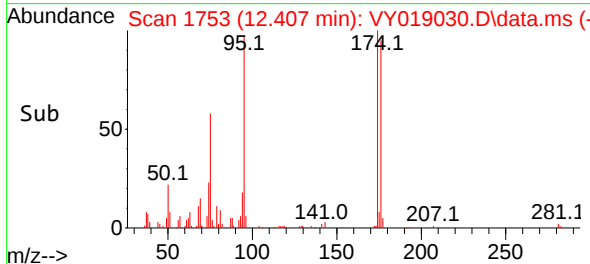
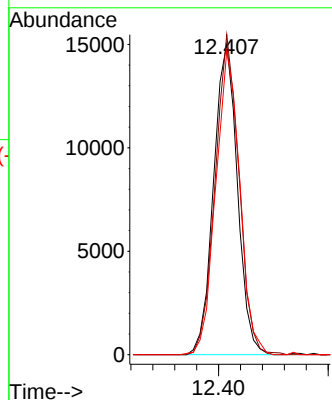


#62  
4-Bromofluorobenzene  
Concen: 36.940 ug/l  
RT: 12.407 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY019030.D  
Acq: 13 Aug 2024 15:30

Instrument :  
MSVOA\_Y  
ClientSampleId :

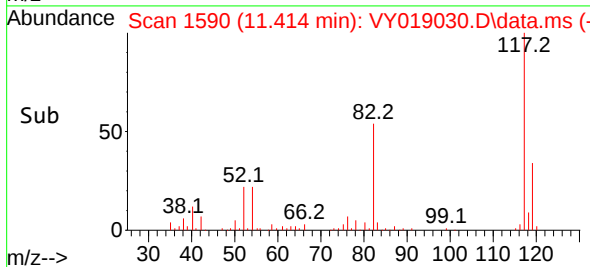
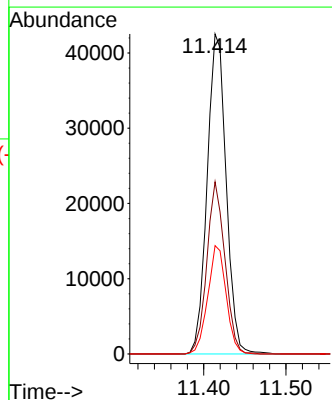
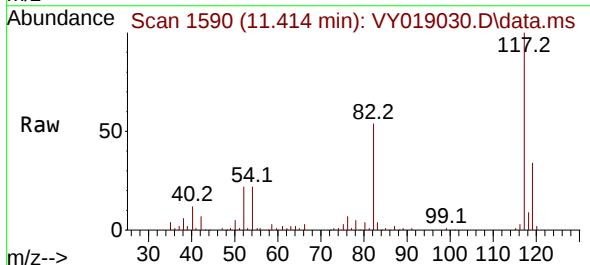


Tgt Ion: 95 Resp: 22655  
Ion Ratio Lower Upper  
95 100  
174 102.7 0.0 175.6  
176 98.7 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019030.D  
Acq: 13 Aug 2024 15:30

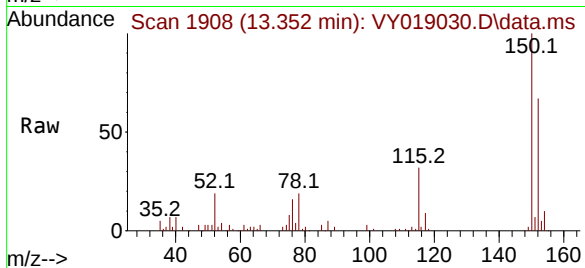
Tgt Ion: 117 Resp: 68396  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.4 63.6  
119 33.8 25.9 38.9



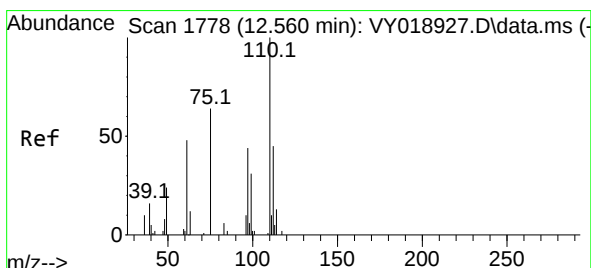
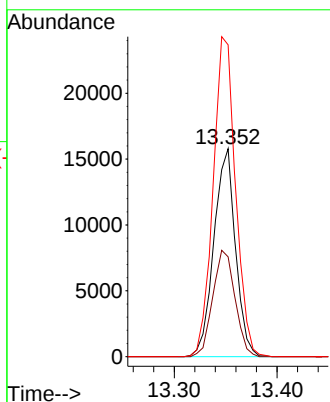
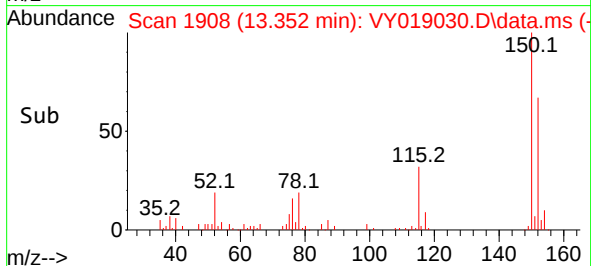


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 1908  
 Delta R.T. -0.000 min  
 Lab File: VY019030.D  
 Acq: 13 Aug 2024 15:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

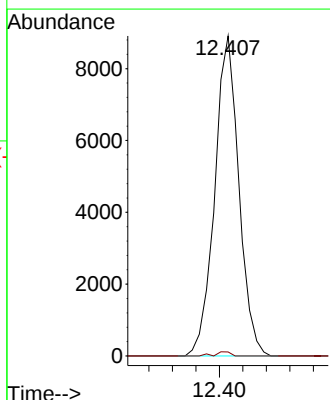
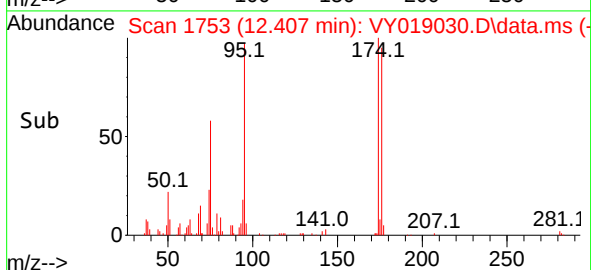
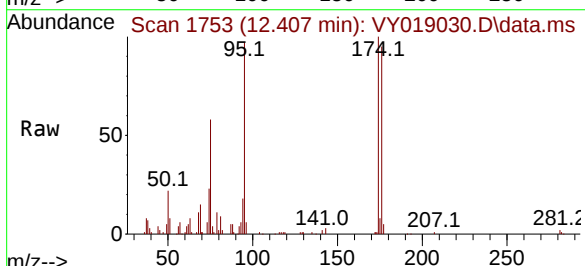


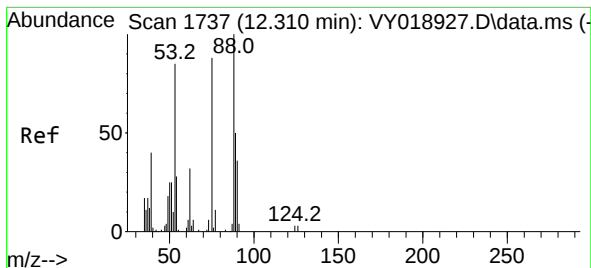
Tgt Ion:152 Resp: 23025  
 Ion Ratio Lower Upper  
 152 100  
 115 52.6 28.2 84.7  
 150 159.4 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 74.155 ug/l  
 RT: 12.407 min Scan# 1753  
 Delta R.T. -0.153 min  
 Lab File: VY019030.D  
 Acq: 13 Aug 2024 15:30

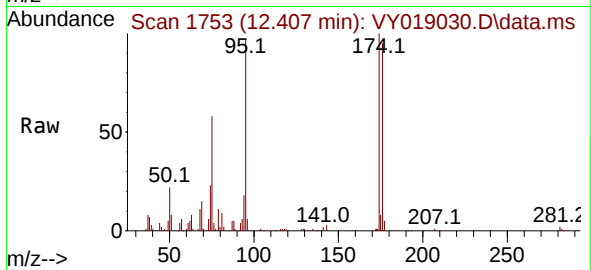
Tgt Ion: 75 Resp: 12720  
 Ion Ratio Lower Upper  
 75 100  
 77 0.8 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 152.803 ug/l  
 RT: 12.407 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY019030.D  
 Acq: 13 Aug 2024 15:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



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

