

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080824\  
 Data File : VY018946.D  
 Acq On : 08 Aug 2024 23:16  
 Operator : SY/MD  
 Sample : P3518-01  
 Misc : 4.23g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 09 05:13:38 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

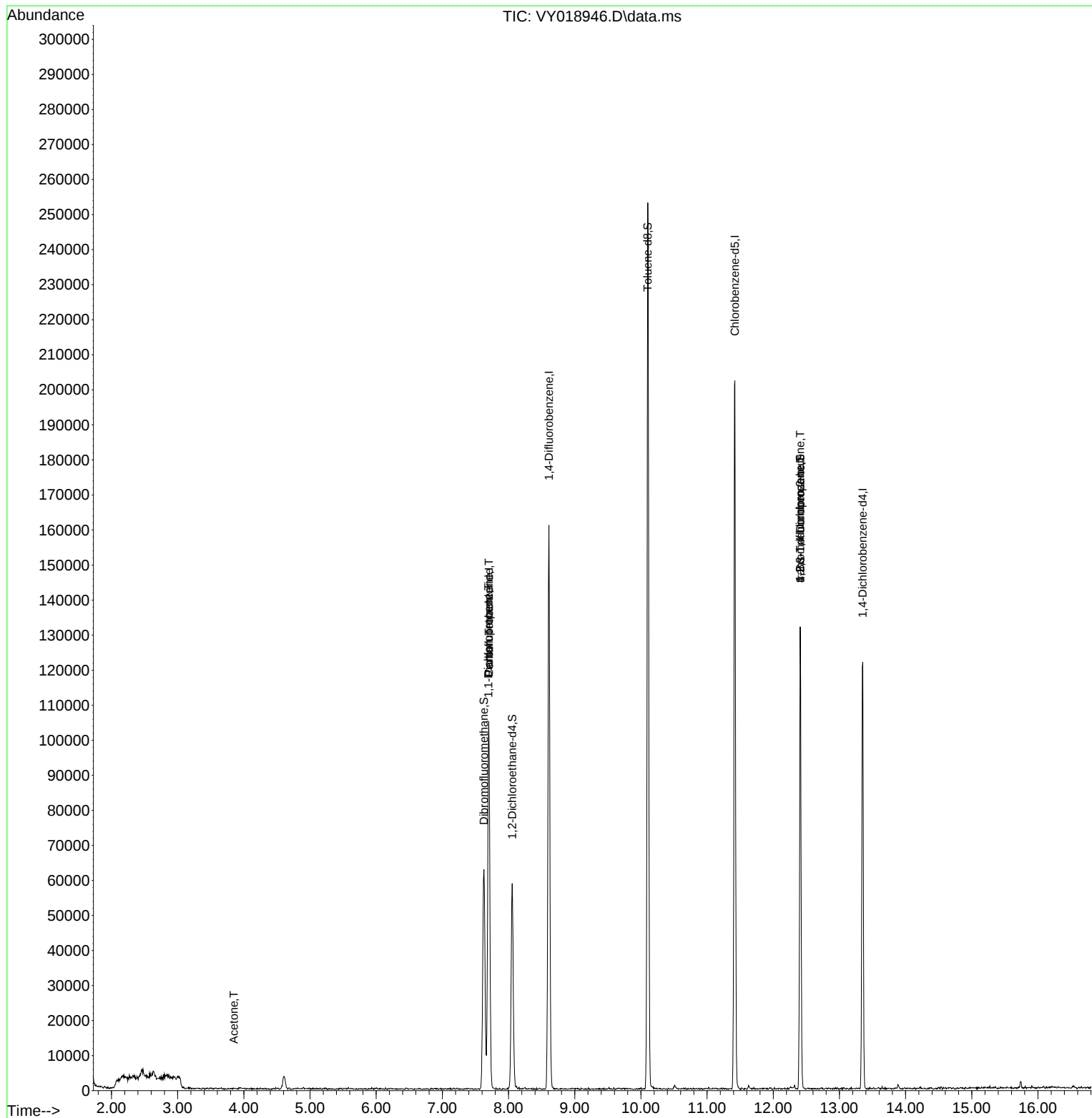
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 84989    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.609  | 114   | 136844   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 103251   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 29892    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 37253    | 49.924    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 99.840%  |
| 35) Dibromofluoromethane      | 7.628  | 113   | 42346    | 48.451    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 96.900%  |
| 50) Toluene-d8                | 10.103 | 98    | 155968   | 46.459    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 92.920%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 31139    | 31.265    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 62.520%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.074  | 50    | 74       | Below Cal | #      | 25       |
| 11) Tert butyl alcohol        | 4.848  | 59    | 37       | Below Cal | #      | 88       |
| 13) Acrolein                  | 3.769  | 56    | 59       | Below Cal | #      | 15       |
| 16) Acetone                   | 3.848  | 43    | 477      | 14.874    | ug/l # | 82       |
| 20) Methylene Chloride        | 4.604  | 84    | 2349     | Below Cal | #      | 79       |
| 31) Cyclohexane               | 7.695  | 56    | 2271     | Below Cal | #      | 53       |
| 36) 1,1-Dichloropropene       | 7.695  | 75    | 6056     | 5.162     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 7923     | 5.890     | ug/l # | 18       |
| 41) Methacrylonitrile         | 7.226  | 41    | 24       | Below Cal | #      | 15       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 18738    | 84.144    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 18738    | 173.386   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

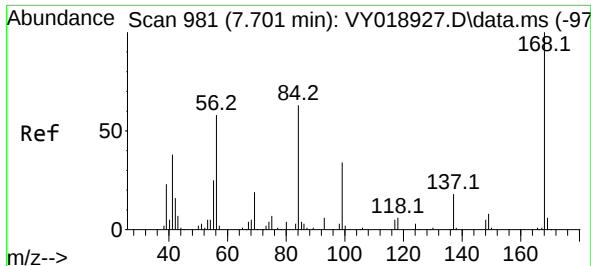
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration

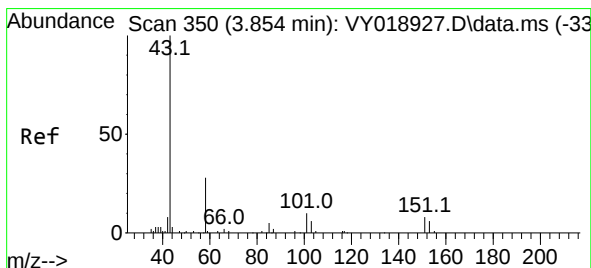
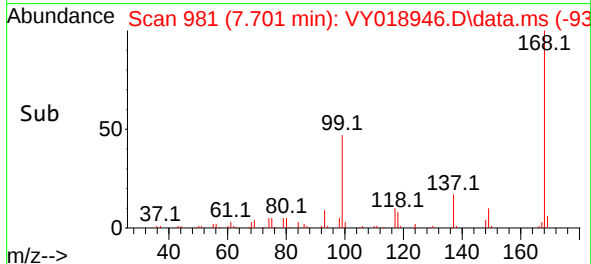
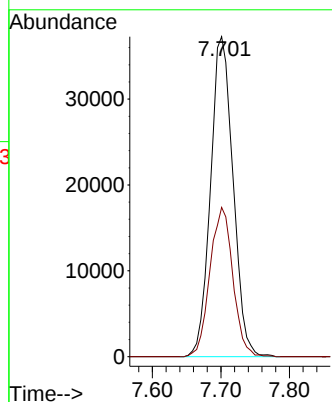
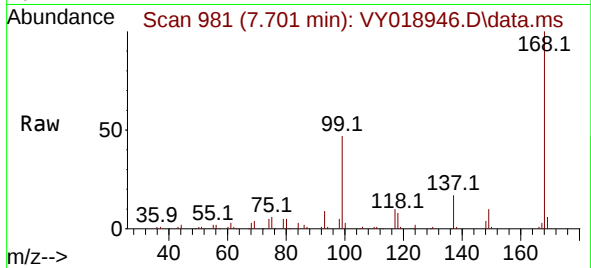




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

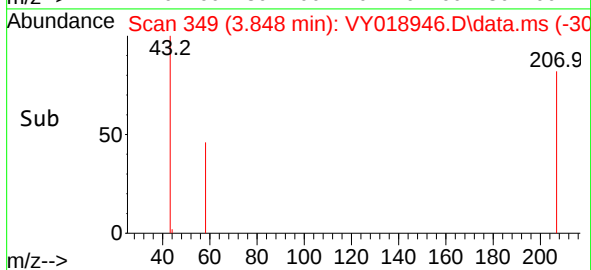
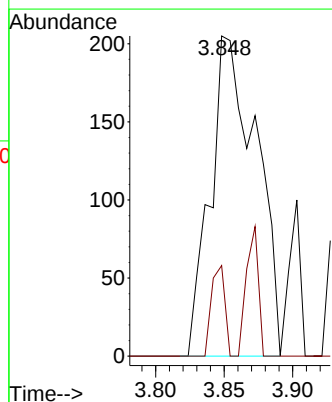
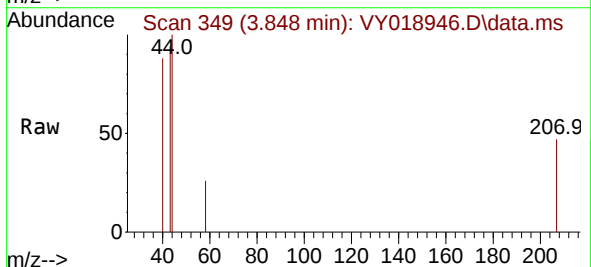
Instrument :  
MSVOA\_Y  
ClientSampleId :

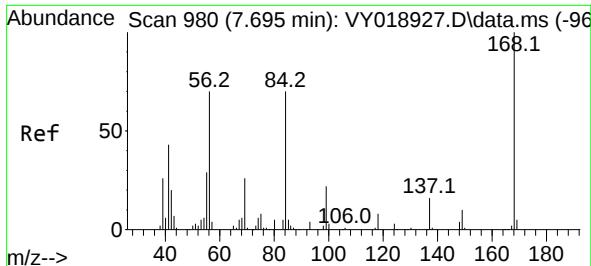
Tgt Ion:168 Resp: 84989  
Ion Ratio Lower Upper  
168 100  
99 46.6 39.1 58.7



#16  
Acetone  
Concen: 14.874 ug/l  
RT: 3.848 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

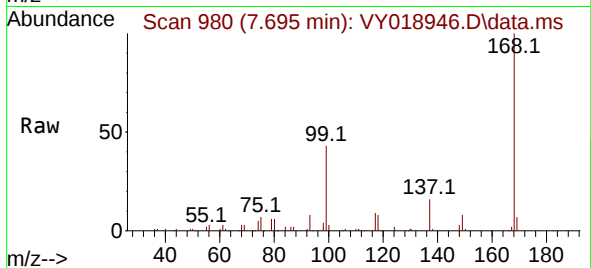
Tgt Ion: 43 Resp: 477  
Ion Ratio Lower Upper  
43 100  
58 28.3 31.7 47.5#



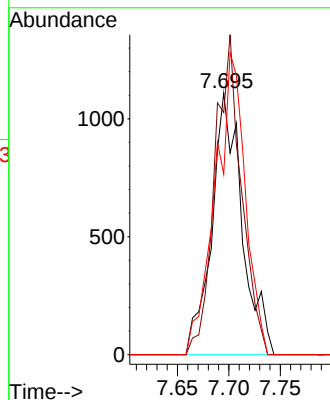
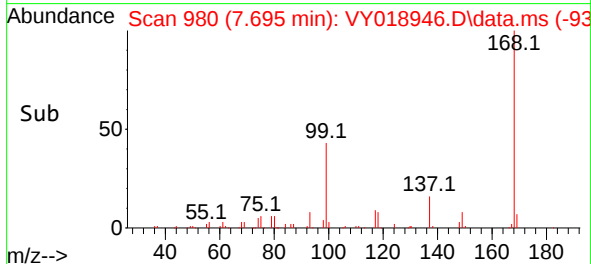


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.695 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

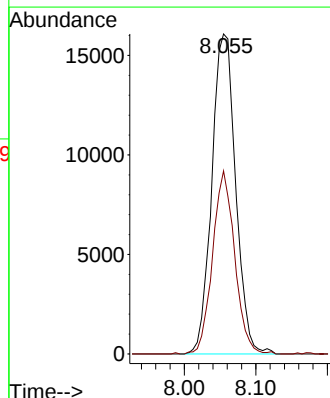
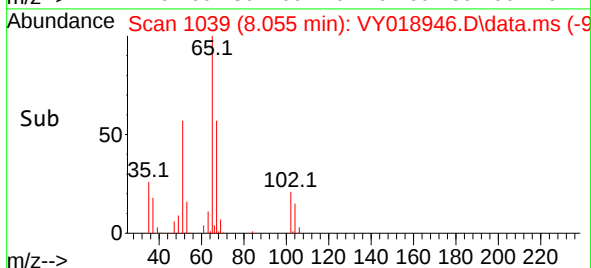
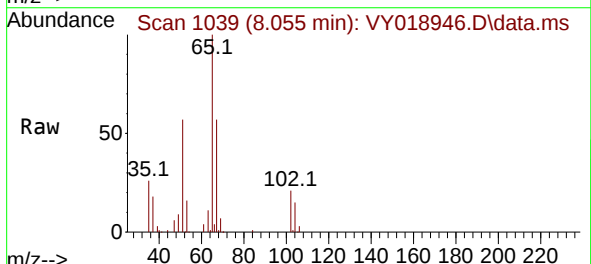


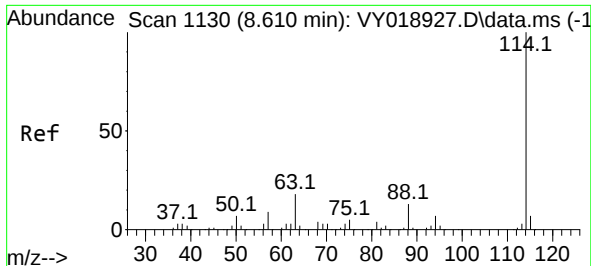
Tgt Ion: 56 Resp: 2271  
Ion Ratio Lower Upper  
56 100  
69 92.6 28.7 43.1#  
84 69.0 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 49.924 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

Tgt Ion: 65 Resp: 37253  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 109.6

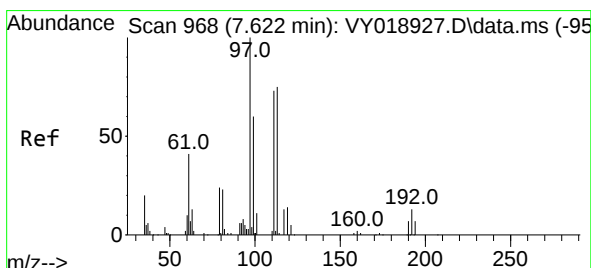
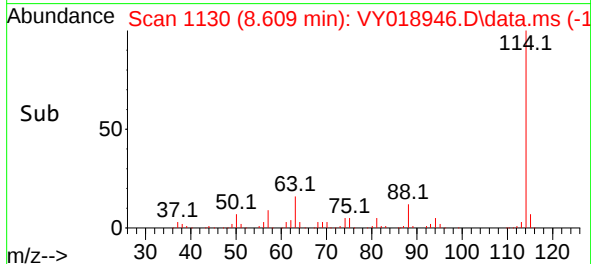
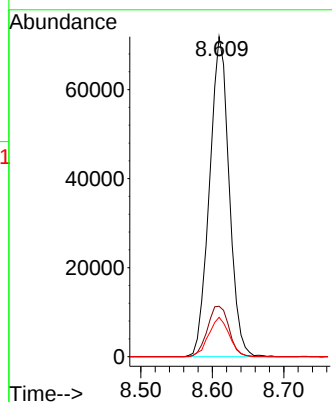
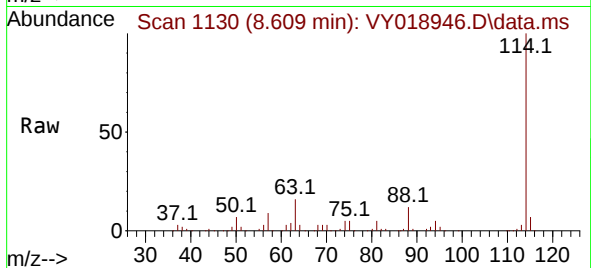




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.609 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

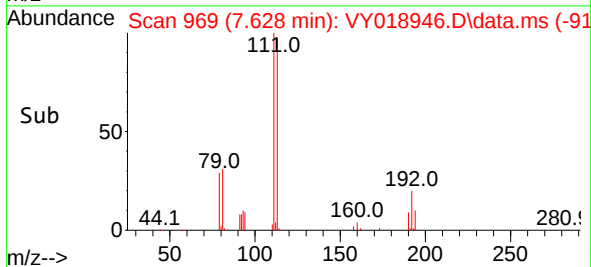
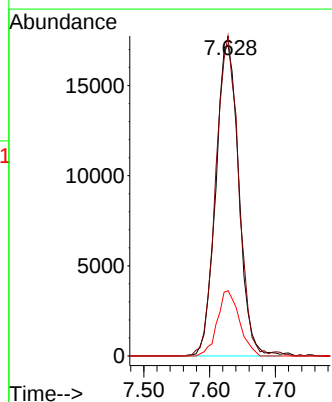
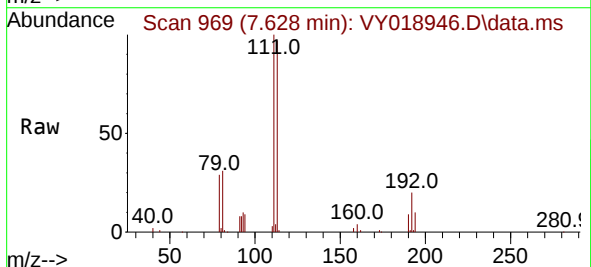
Instrument :  
MSVOA\_Y  
ClientSampleId :

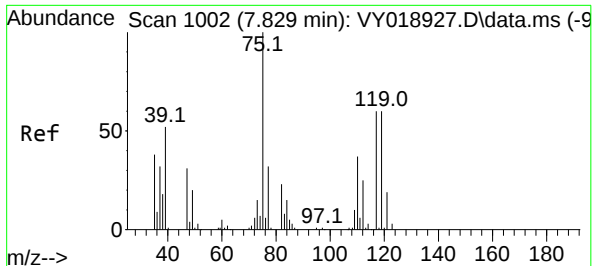
Tgt Ion:114 Resp: 136844  
Ion Ratio Lower Upper  
114 100  
63 15.8 0.0 35.0  
88 12.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 48.451 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

Tgt Ion:113 Resp: 42346  
Ion Ratio Lower Upper  
113 100  
111 100.7 82.2 123.4  
192 20.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY018946.D

Acq: 08 Aug 2024 23:16

Instrument :

MSVOA\_Y

ClientSampleId :

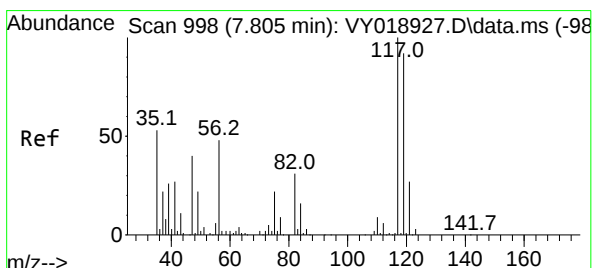
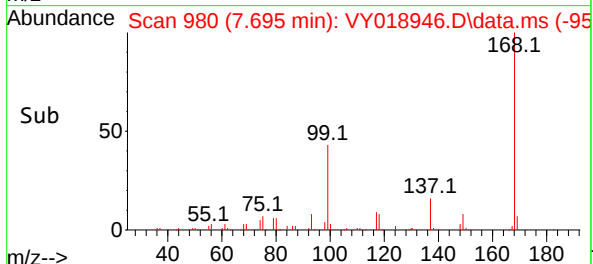
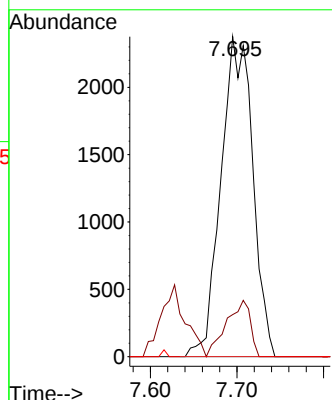
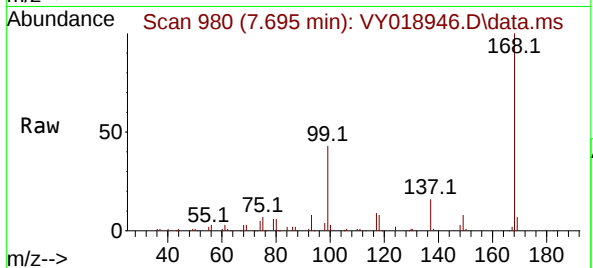
Tgt Ion: 75 Resp: 6056

Ion Ratio Lower Upper

75 100

110 13.3 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.890 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY018946.D

Acq: 08 Aug 2024 23:16

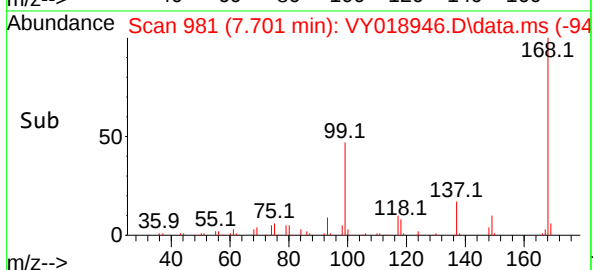
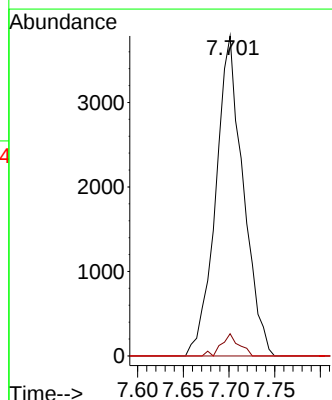
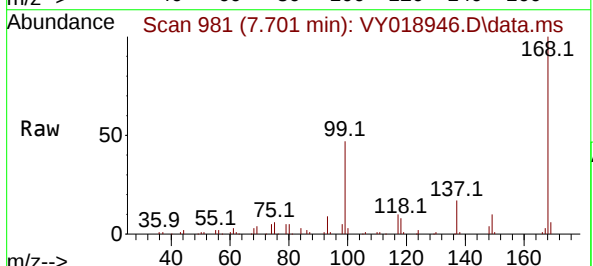
Tgt Ion: 117 Resp: 7923

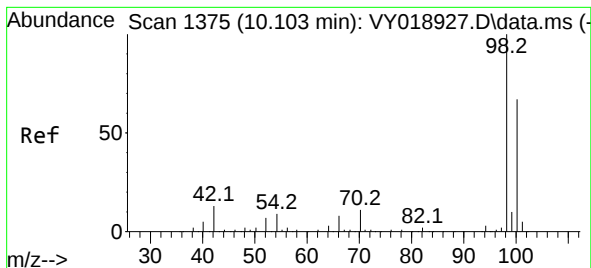
Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.459 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018946.D

Acq: 08 Aug 2024 23:16

Instrument :

MSVOA\_Y

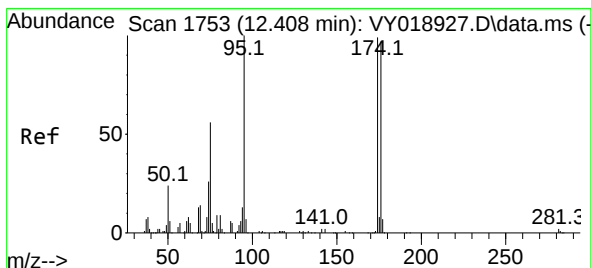
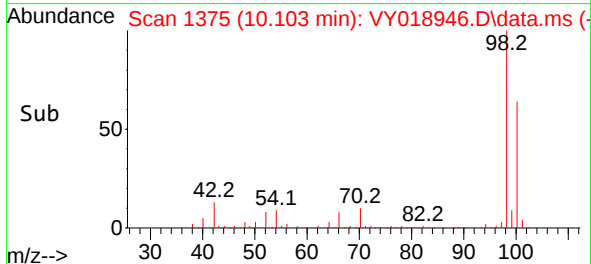
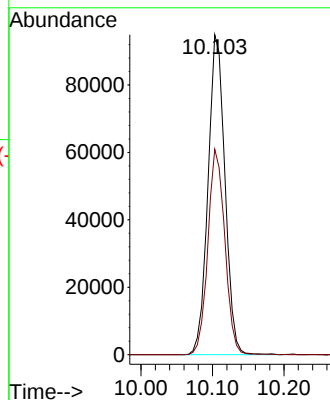
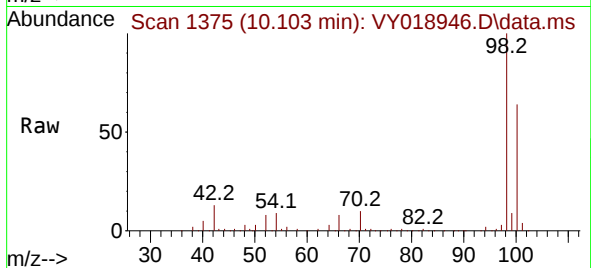
ClientSampleId :

Tgt Ion: 98 Resp: 155968

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 31.265 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018946.D

Acq: 08 Aug 2024 23:16

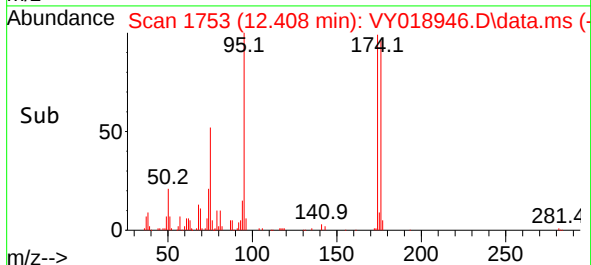
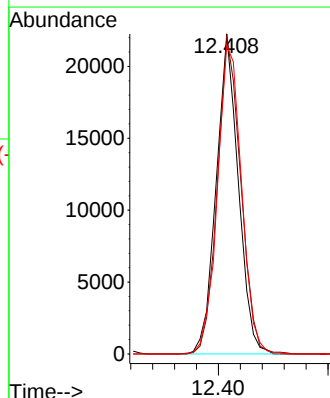
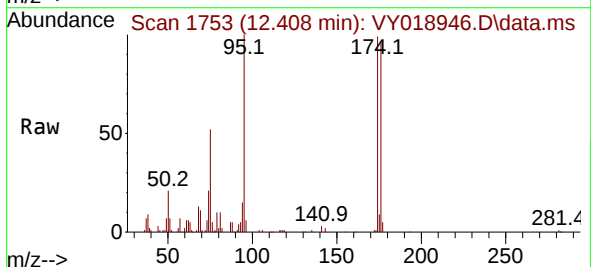
Tgt Ion: 95 Resp: 31139

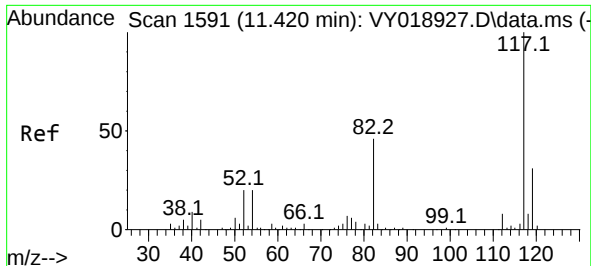
Ion Ratio Lower Upper

95 100

174 104.9 0.0 175.6

176 105.4 0.0 171.4

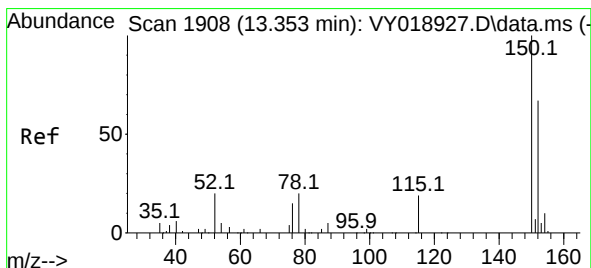
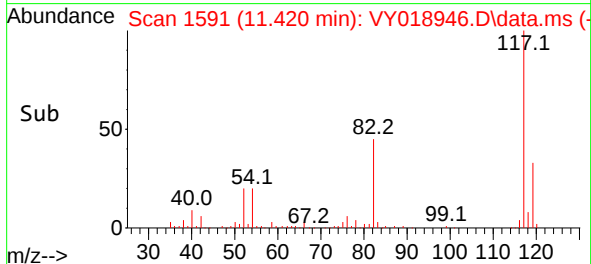
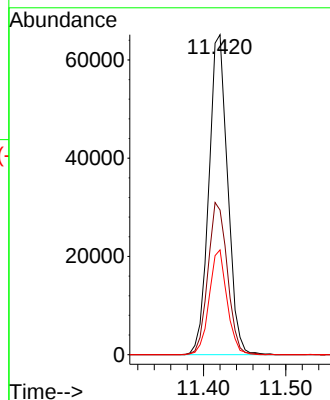
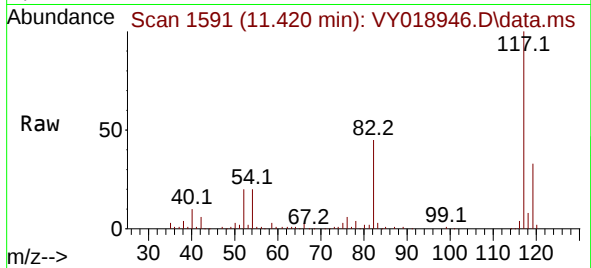




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

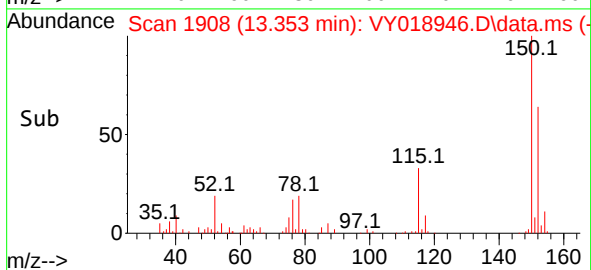
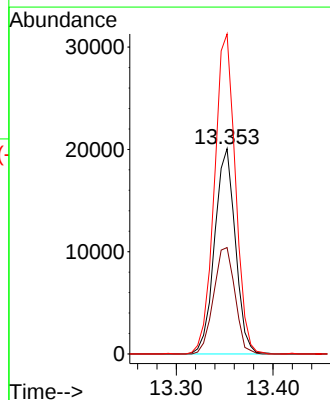
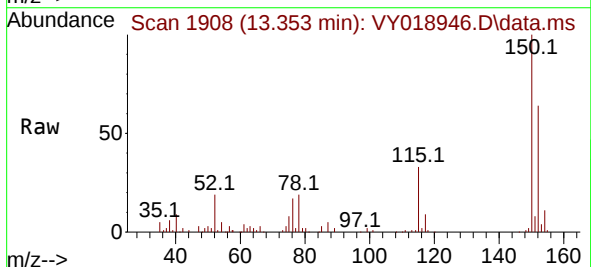
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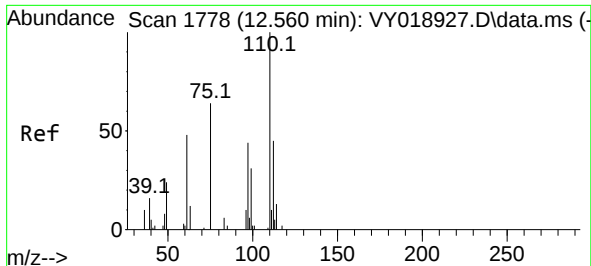
Tgt Ion:117 Resp: 103251  
Ion Ratio Lower Upper  
117 100  
82 45.2 42.4 63.6  
119 32.7 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

Tgt Ion:152 Resp: 29892  
Ion Ratio Lower Upper  
152 100  
115 53.3 28.2 84.7  
150 157.6 0.0 345.6

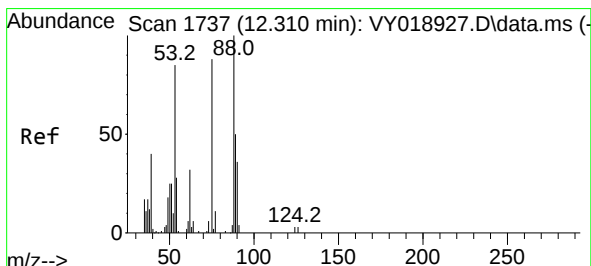
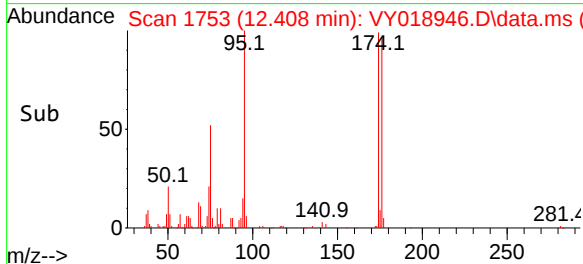
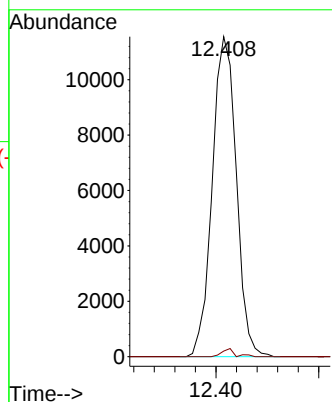
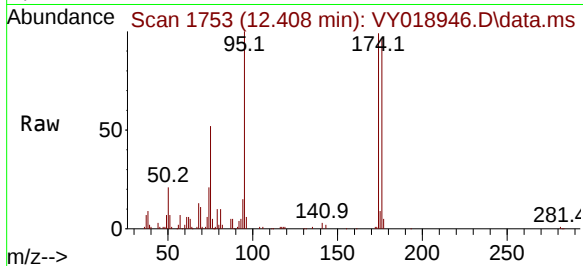




#76  
1,2,3-Trichloropropane  
Concen: 84.144 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 18738  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 173.386 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.098 min  
Lab File: VY018946.D  
Acq: 08 Aug 2024 23:16

Tgt Ion: 75 Resp: 18738  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.4 35.8 53.6#

