

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
 Data File : VY019223.D  
 Acq On : 22 Aug 2024 16:20  
 Operator : SY/MD  
 Sample : P3671-03RE  
 Misc : 5.47g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-911-K1-SO-0-0.5-081924RE

Quant Time: Aug 23 01:54:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 97952    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 149565   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 132652   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 38786    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 44739    | 45.564   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.120%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 51334    | 52.492   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.980% |
| 50) Toluene-d8              | 10.103 | 98    | 158234   | 44.962   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 89.920%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 45618    | 38.024   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 76.040%  |

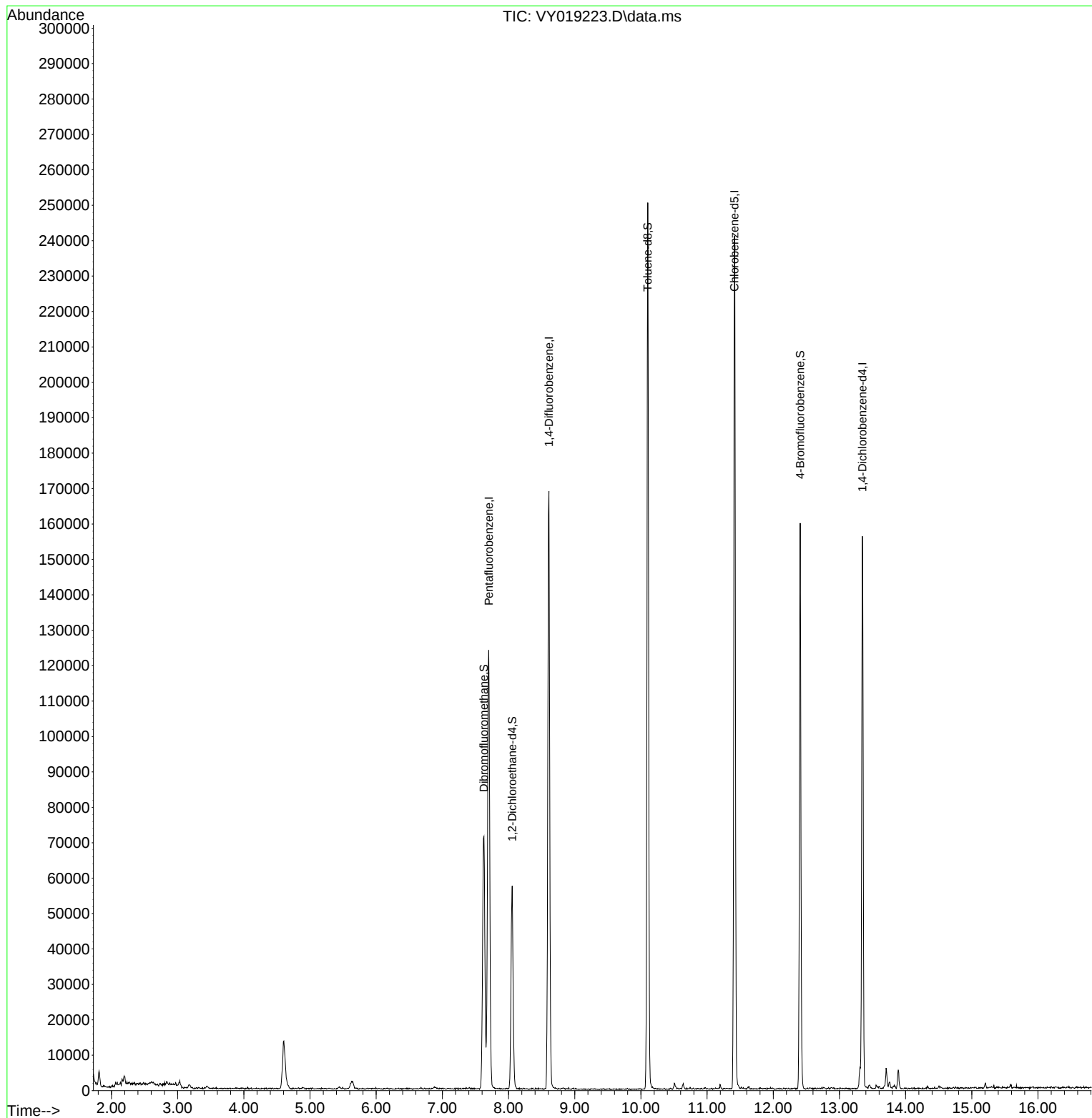
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

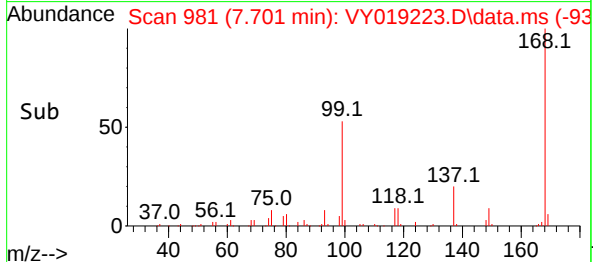
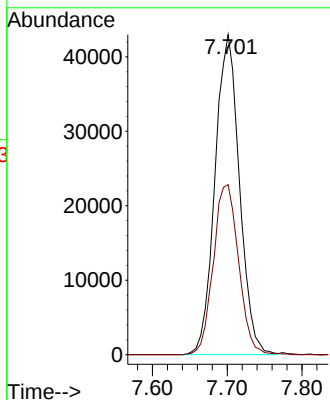
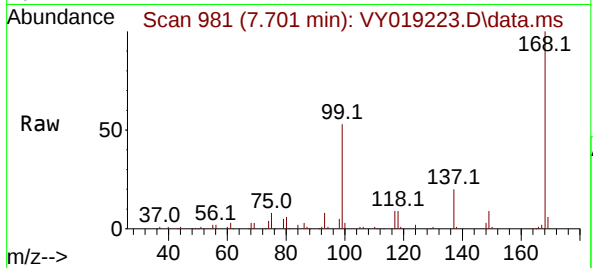




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019223.D  
Acq: 22 Aug 2024 16:20

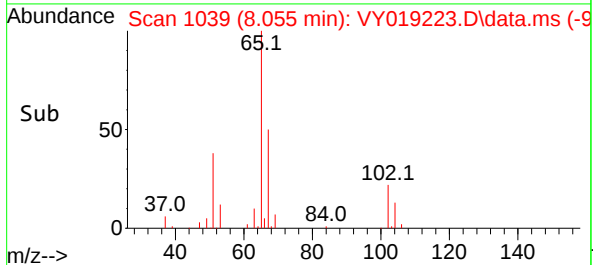
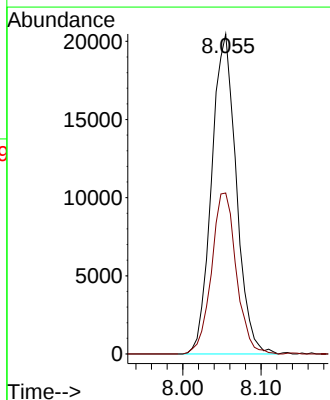
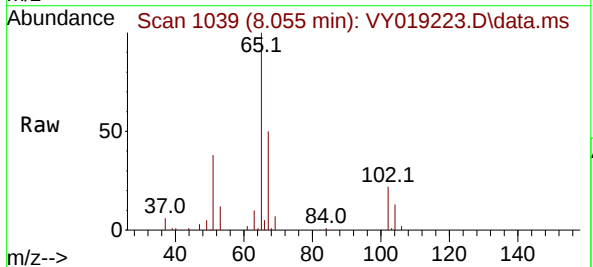
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-911-K1-SO-0-0.5-081924RE

Tgt Ion:168 Resp: 97952  
Ion Ratio Lower Upper  
168 100  
99 53.1 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 45.564 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY019223.D  
Acq: 22 Aug 2024 16:20

Tgt Ion: 65 Resp: 44739  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

Instrument :

MSVOA\_Y

ClientSampleId :

S-911-K1-SO-0-0.5-081924RE

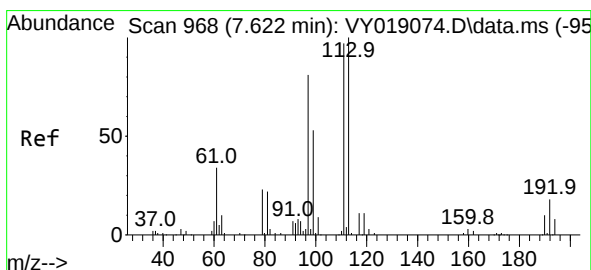
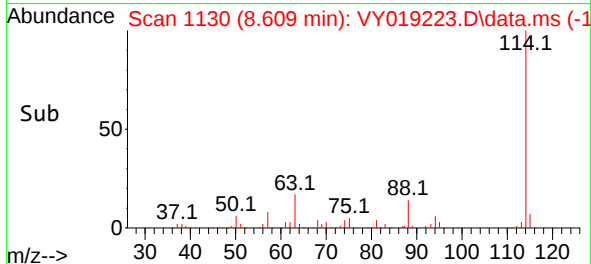
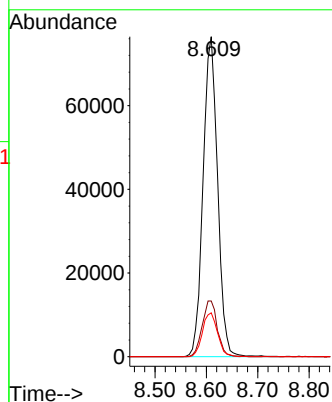
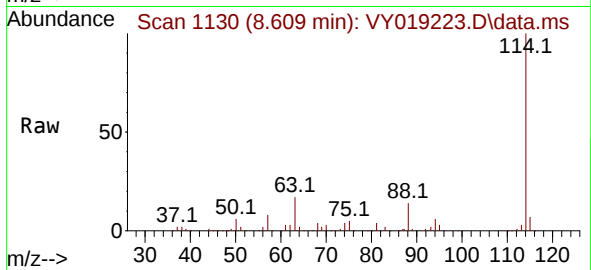
Tgt Ion:114 Resp: 149565

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.492 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

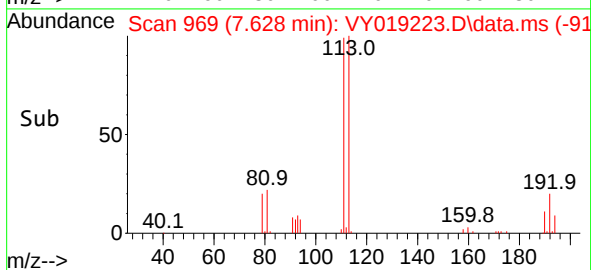
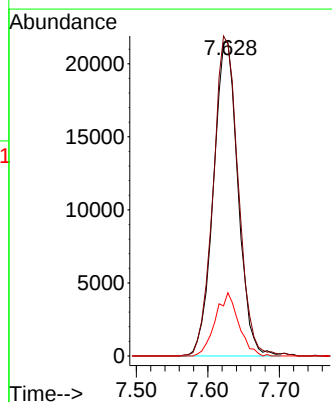
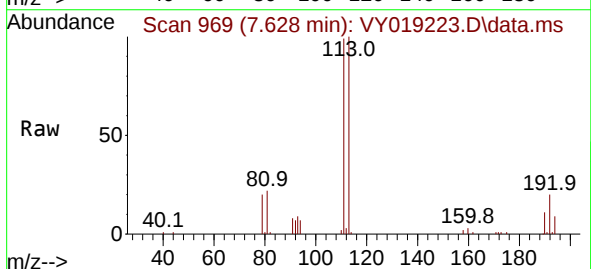
Tgt Ion:113 Resp: 51334

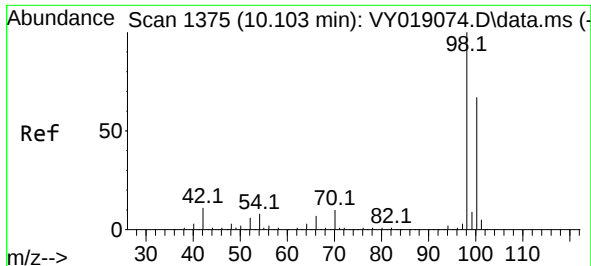
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 19.1 15.9 23.9

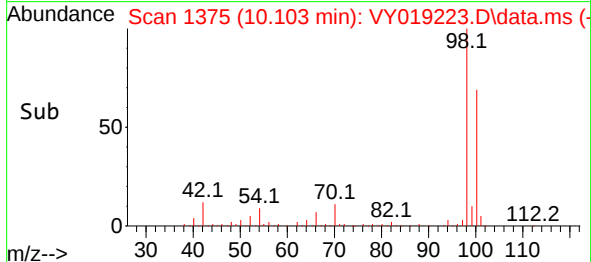
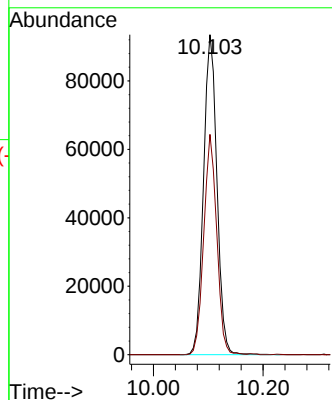
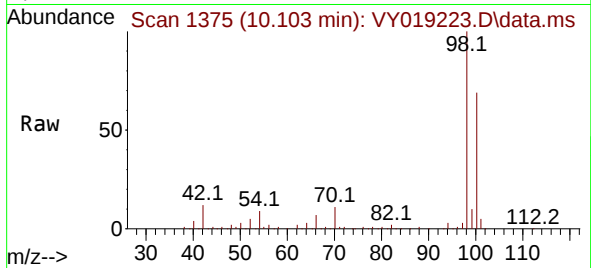




#50  
Toluene-d8  
Concen: 44.962 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019223.D  
Acq: 22 Aug 2024 16:20

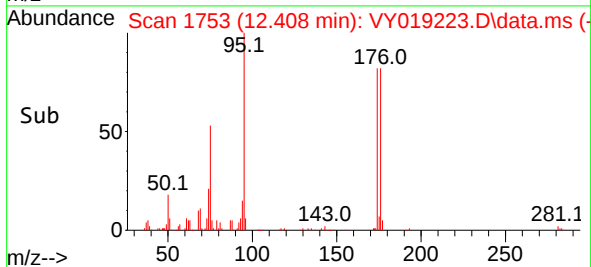
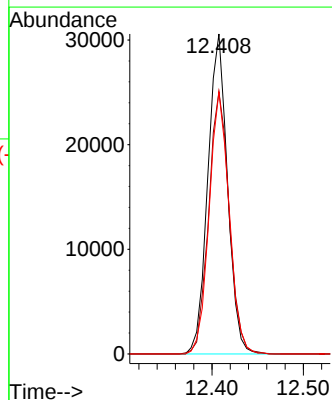
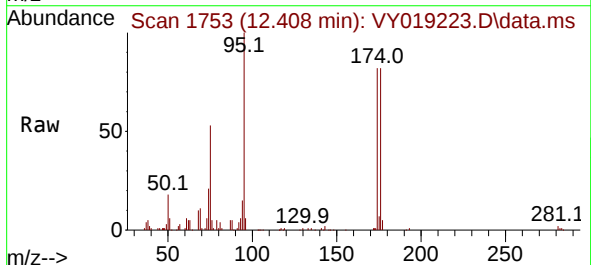
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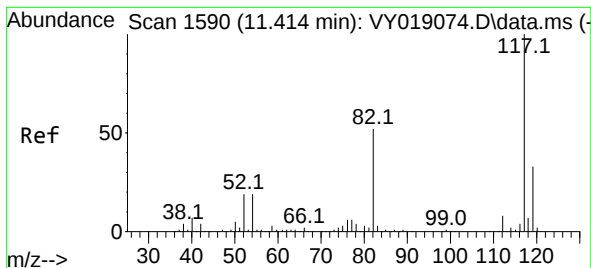
Tgt Ion: 98 Resp: 158234  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 38.024 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019223.D  
Acq: 22 Aug 2024 16:20

Tgt Ion: 95 Resp: 45618  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 175.6  
176 83.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

Instrument :

MSVOA\_Y

ClientSampleId :

S-911-K1-SO-0-0.5-081924RE

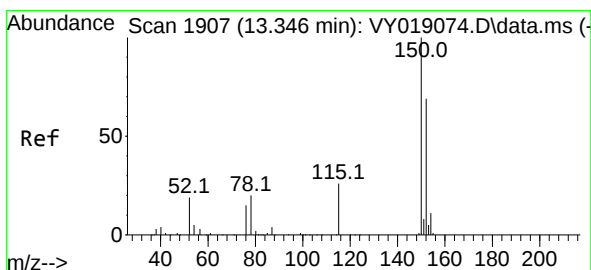
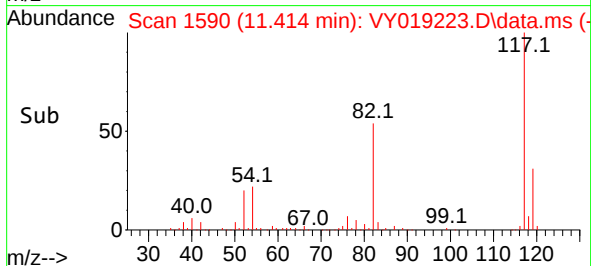
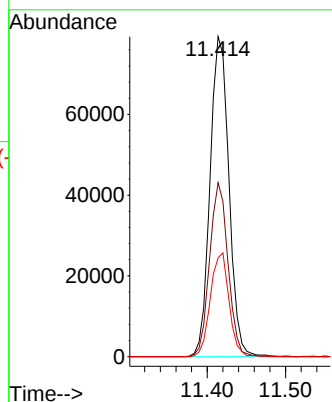
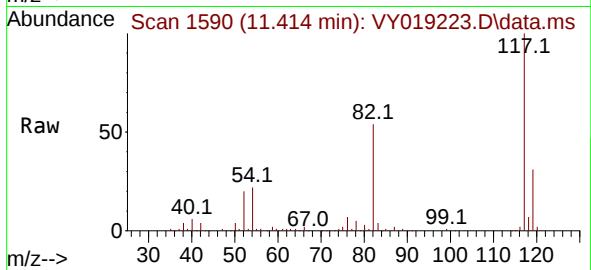
Tgt Ion:117 Resp: 132652

Ion Ratio Lower Upper

117 100

82 54.4 42.4 63.6

119 30.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

Tgt Ion:152 Resp: 38786

Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 156.6 0.0 345.6

