

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
 Data File : VY019220.D  
 Acq On : 22 Aug 2024 15:08  
 Operator : SY/MD  
 Sample : P3640-03  
 Misc : 7.35g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1-GRAB

Quant Time: Aug 23 01:53:30 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  | 98644    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 153116   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 128245   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 52444    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 51778    | 52.363   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.720% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 54203    | 54.140   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.280% |
| 50) Toluene-d8              | 10.103 | 98    | 158398   | 43.965   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 87.920%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 51706    | 42.099   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 84.200%  |

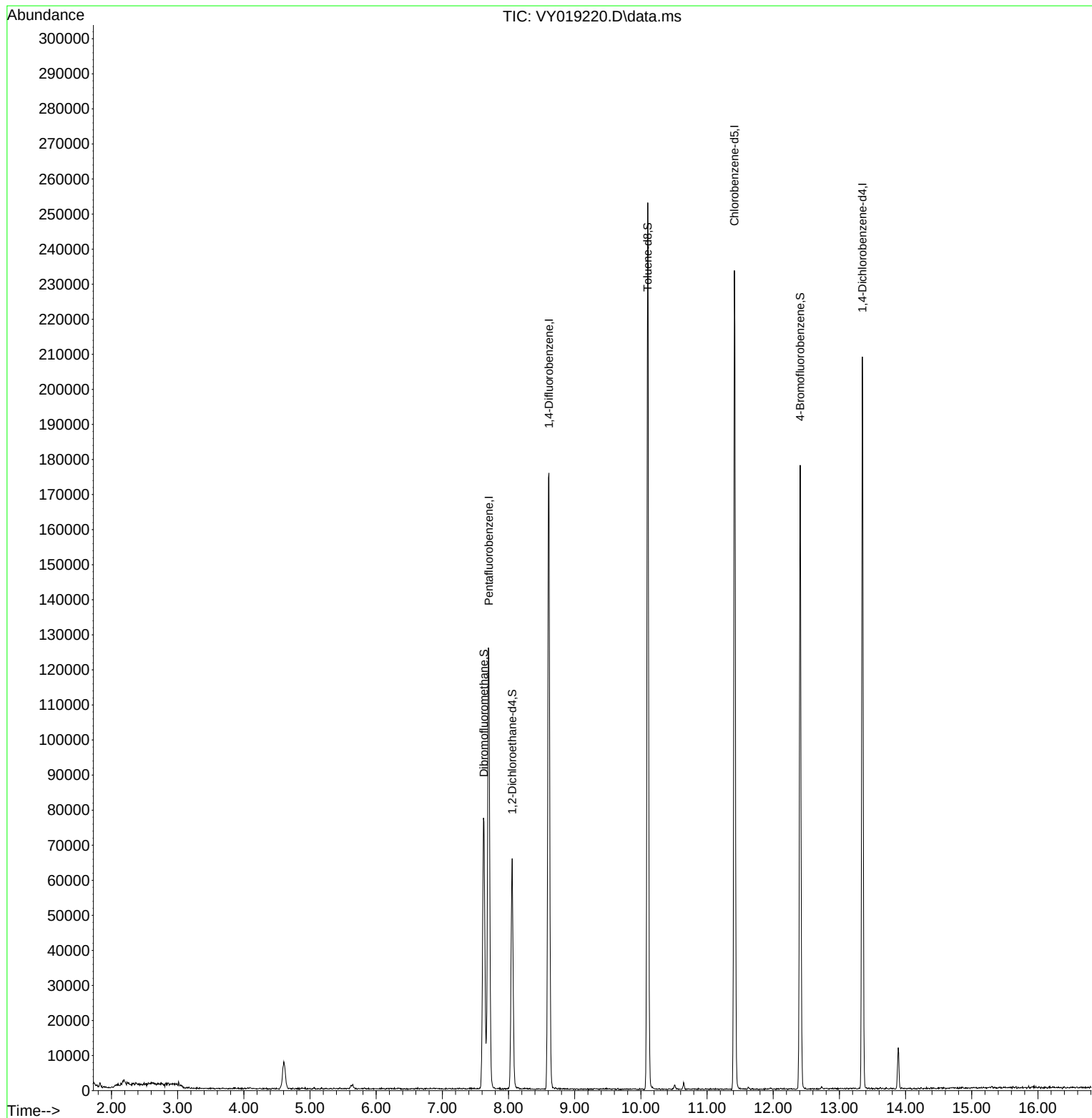
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

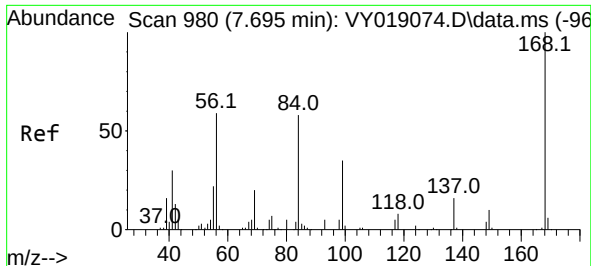
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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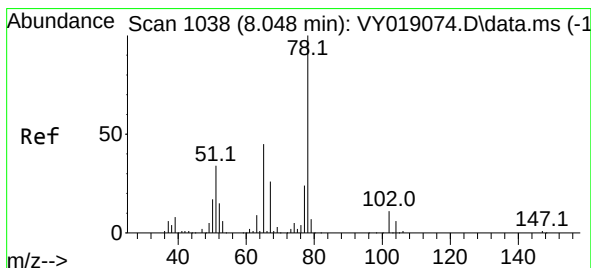
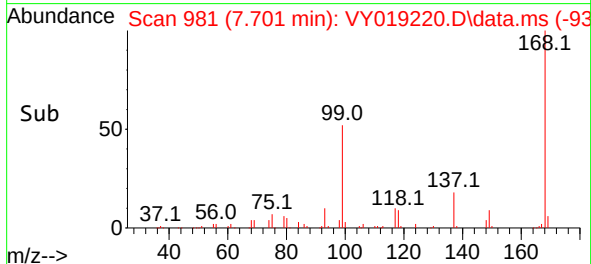
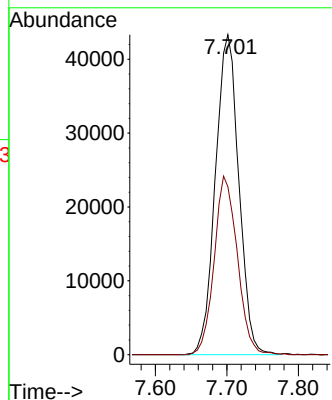
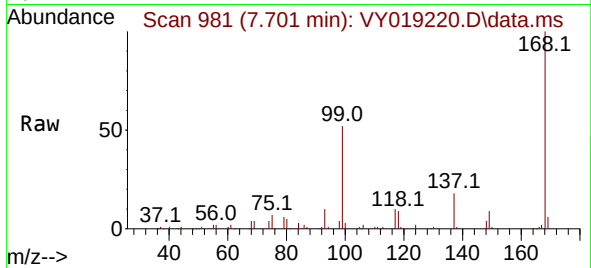




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY019220.D  
Acq: 22 Aug 2024 15:08

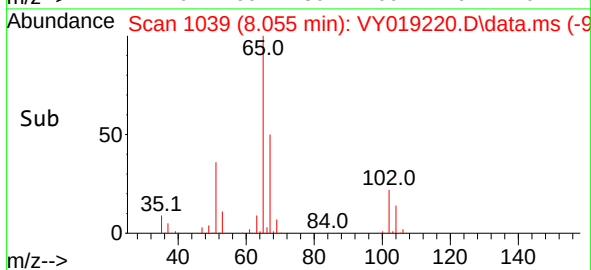
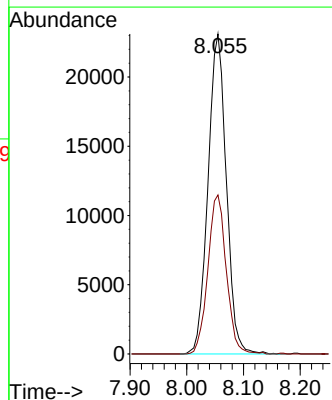
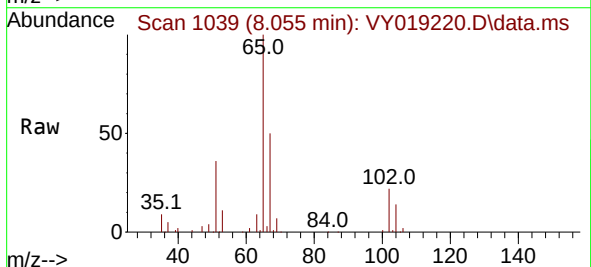
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1-GRAB

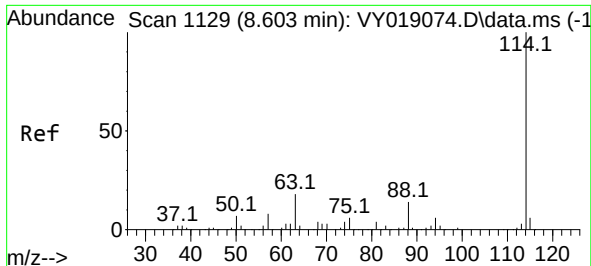
Tgt Ion:168 Resp: 98644  
Ion Ratio Lower Upper  
168 100  
99 52.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 52.363 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.007 min  
Lab File: VY019220.D  
Acq: 22 Aug 2024 15:08

Tgt Ion: 65 Resp: 51778  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA\_Y

ClientSampleId :

SP-1-GRAB

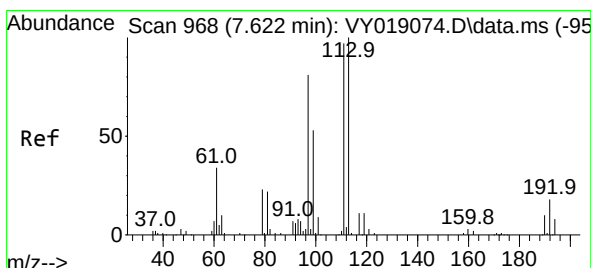
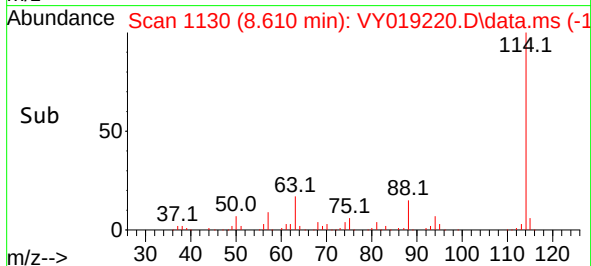
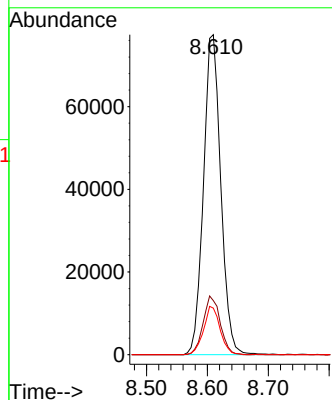
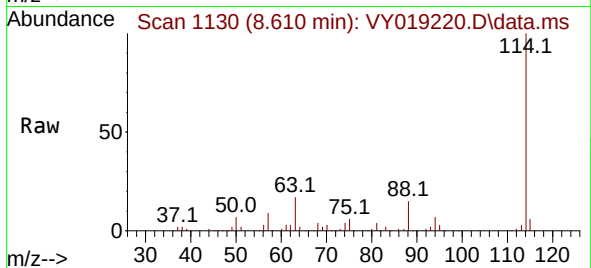
Tgt Ion:114 Resp: 153116

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.140 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.007 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

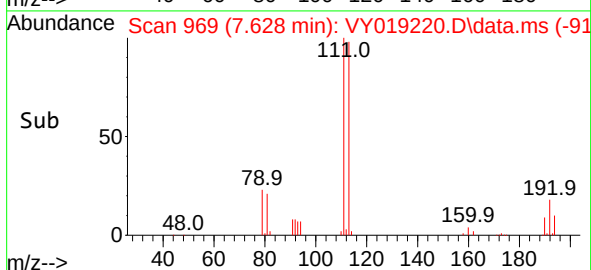
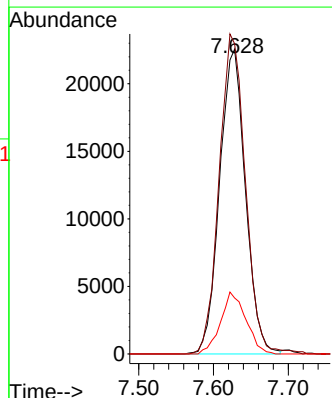
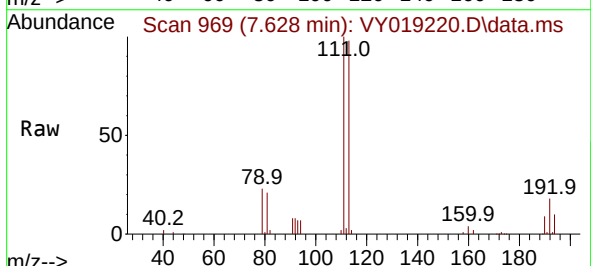
Tgt Ion:113 Resp: 54203

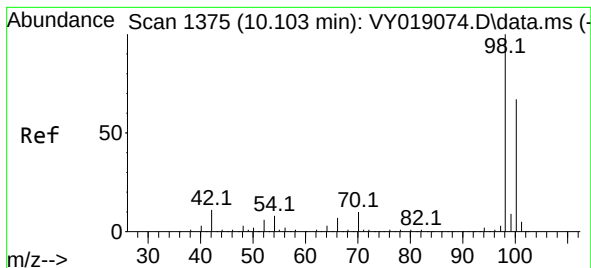
Ion Ratio Lower Upper

113 100

111 106.4 82.2 123.4

192 20.0 15.9 23.9





#50

Toluene-d8

Concen: 43.965 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

Instrument :

MSVOA\_Y

ClientSampleId :

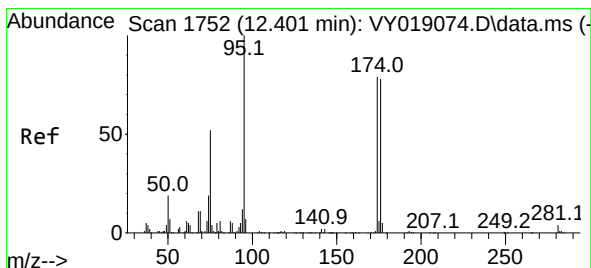
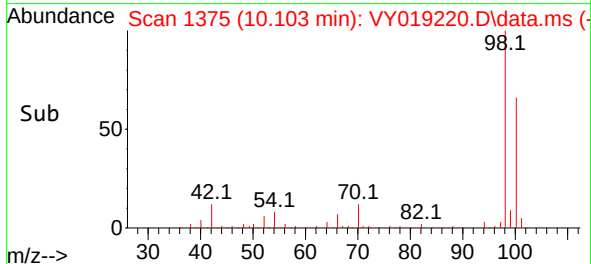
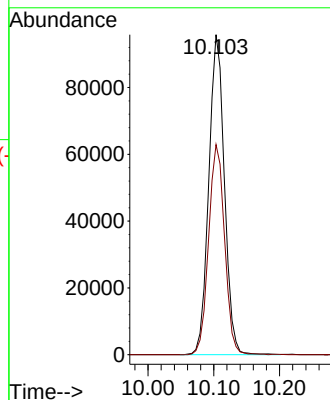
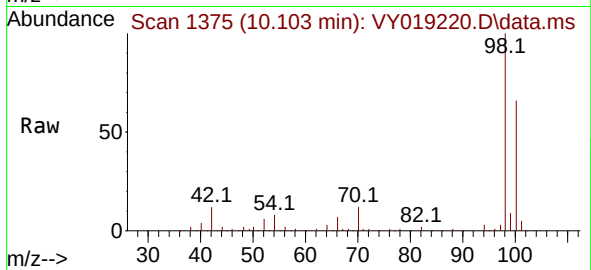
SP-1-GRAB

Tgt Ion: 98 Resp: 158398

Ion Ratio Lower Upper

98 100

100 67.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.099 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.007 min

Lab File: VY019220.D

Acq: 22 Aug 2024 15:08

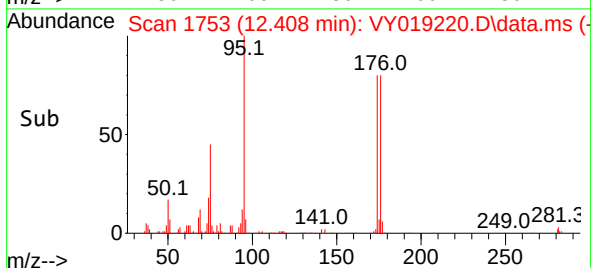
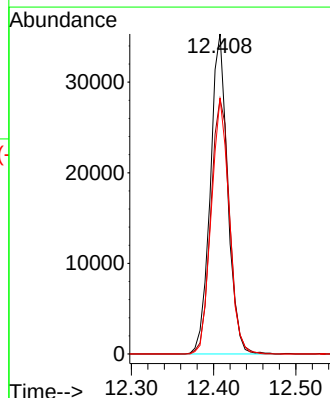
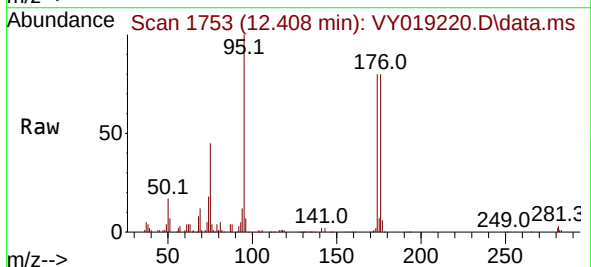
Tgt Ion: 95 Resp: 51706

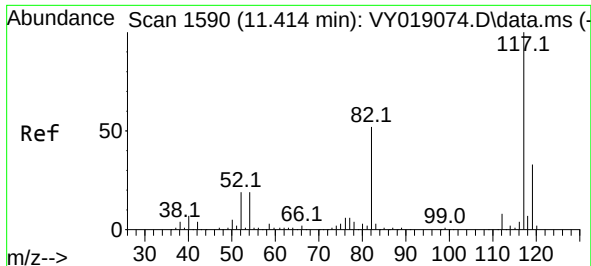
Ion Ratio Lower Upper

95 100

174 86.9 0.0 175.6

176 82.6 0.0 171.4

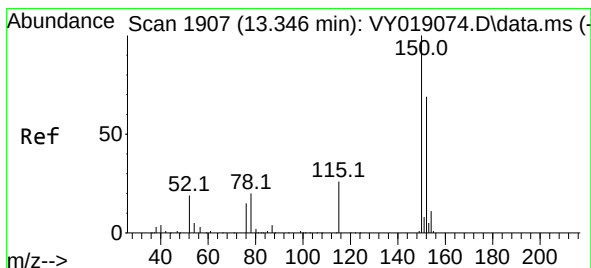
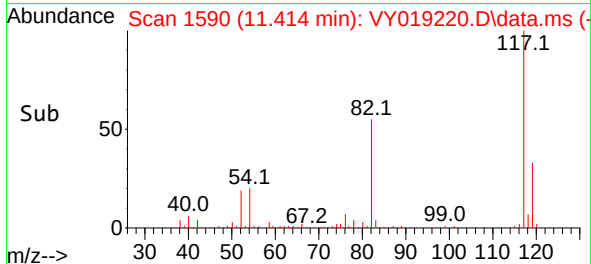
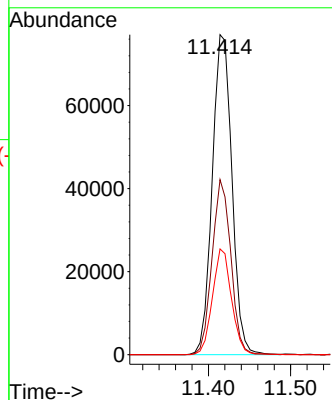
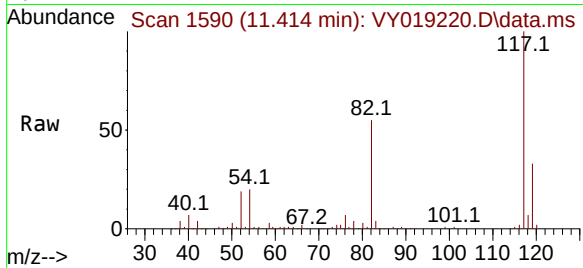




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY019220.D  
Acq: 22 Aug 2024 15:08

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1-GRAB

Tgt Ion:117 Resp: 128245  
Ion Ratio Lower Upper  
117 100  
82 54.7 42.4 63.6  
119 33.1 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY019220.D  
Acq: 22 Aug 2024 15:08

Tgt Ion:152 Resp: 52444  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.2 84.7  
150 155.6 0.0 345.6

