

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
 Data File : VY019225.D  
 Acq On : 22 Aug 2024 17:09  
 Operator : SY/MD  
 Sample : P3671-05RE  
 Misc : 5.27g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 23 01:55:17 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  | 91577    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 154668   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 110605   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 28511    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.048  | 65    | 49496    | 53.918   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.840% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 49146    | 48.596   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.200%  |
| 50) Toluene-d8              | 10.103 | 98    | 164354   | 45.160   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 90.320%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 35470    | 28.590   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 57.180%  |

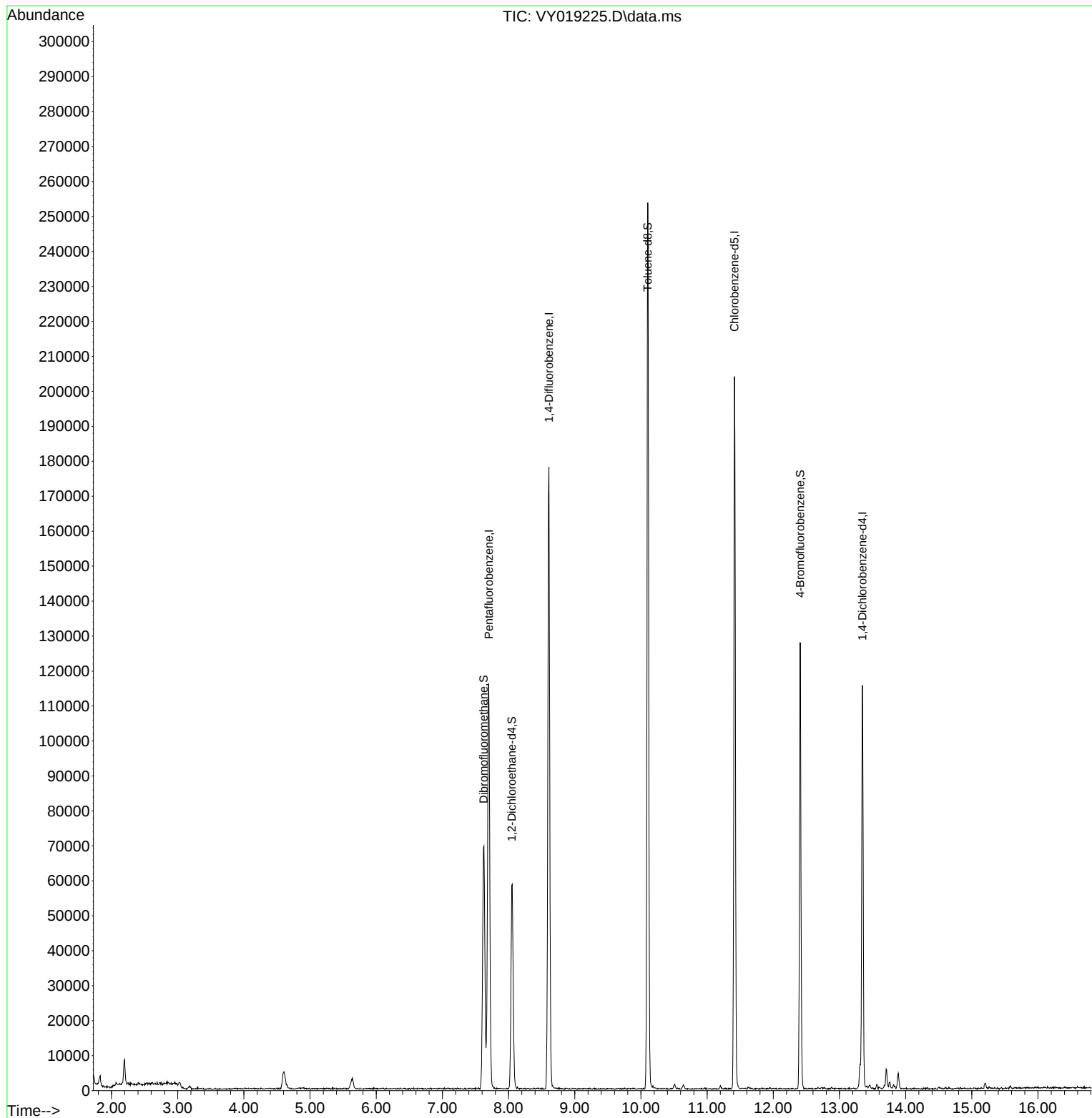
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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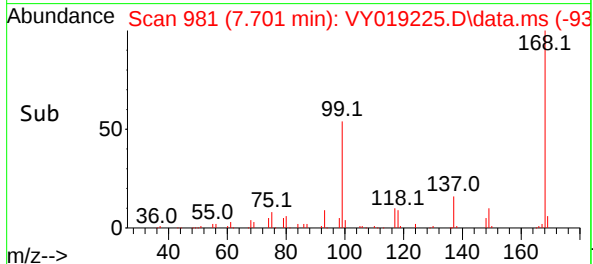
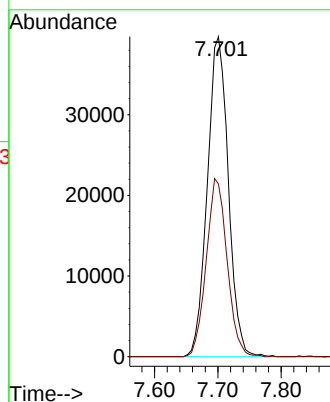
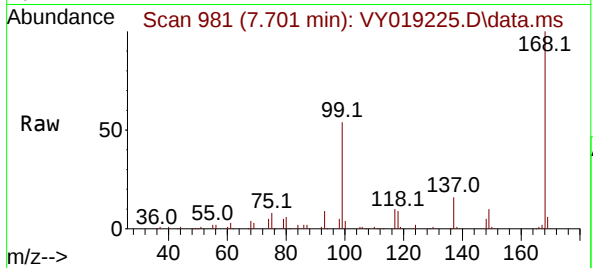




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019225.D  
Acq: 22 Aug 2024 17:09

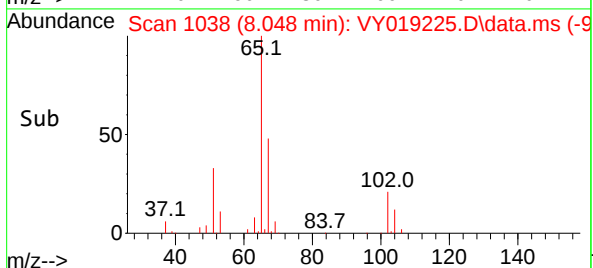
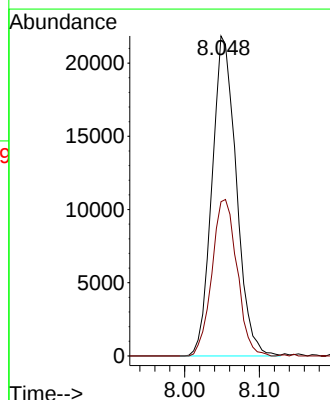
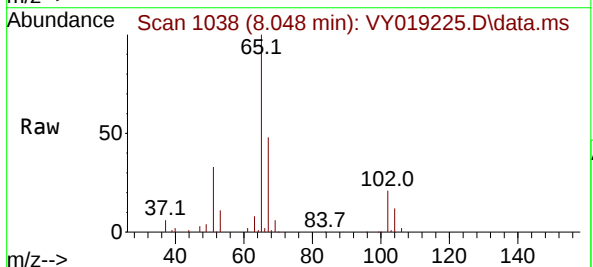
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-911-K1-SO-0-0.5-081924-FDRE

Tgt Ion:168 Resp: 91577  
Ion Ratio Lower Upper  
168 100  
99 54.0 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 53.918 ug/l  
RT: 8.048 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY019225.D  
Acq: 22 Aug 2024 17:09

Tgt Ion: 65 Resp: 49496  
Ion Ratio Lower Upper  
65 100  
67 50.4 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: VY019225.D

Acq: 22 Aug 2024 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

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

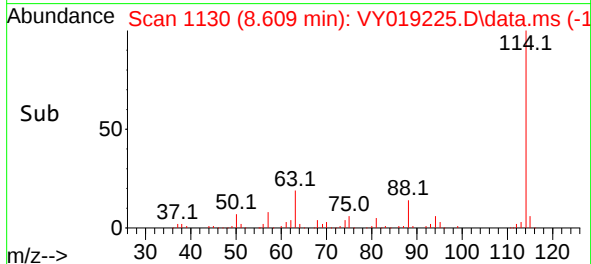
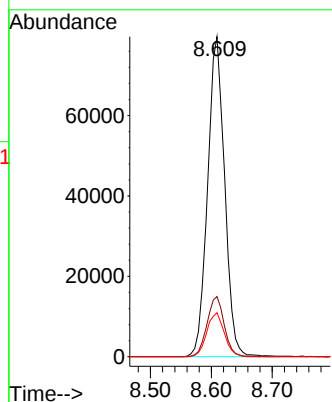
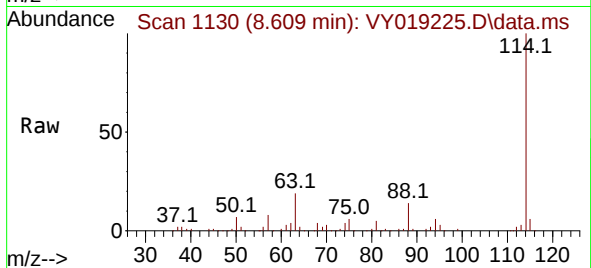
Tgt Ion:114 Resp: 154668

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 13.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.596 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019225.D

Acq: 22 Aug 2024 17:09

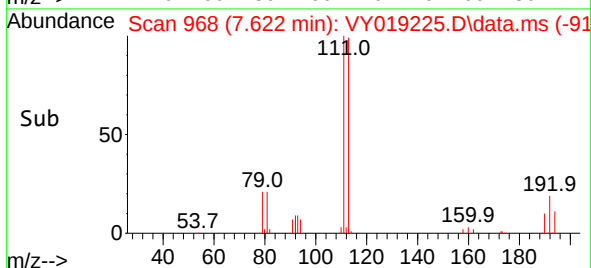
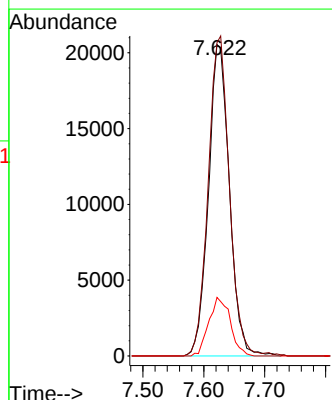
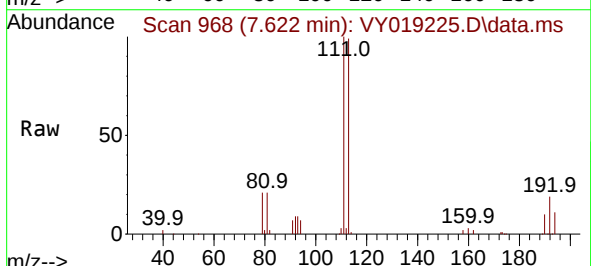
Tgt Ion:113 Resp: 49146

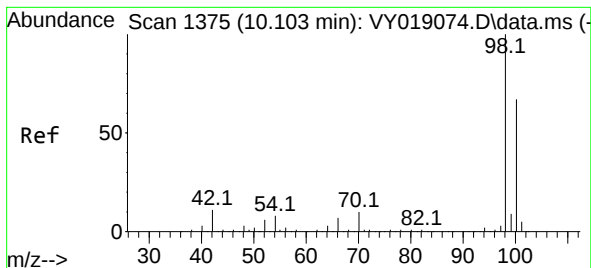
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

192 19.3 15.9 23.9





#50

Toluene-d8

Concen: 45.160 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019225.D

Acq: 22 Aug 2024 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

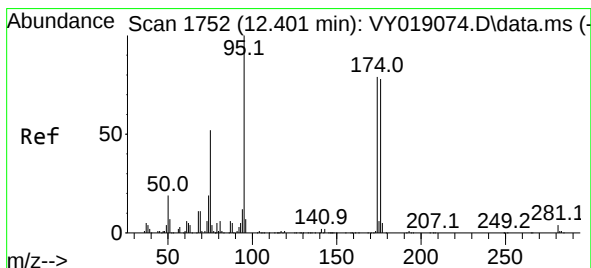
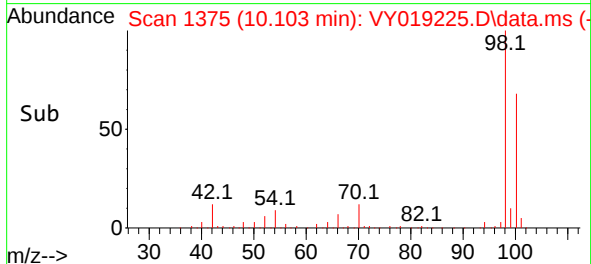
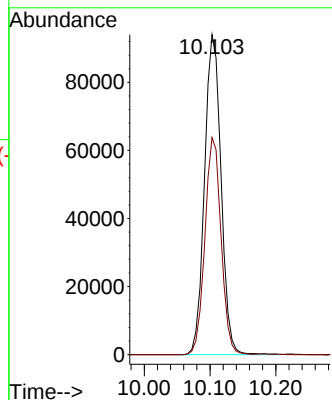
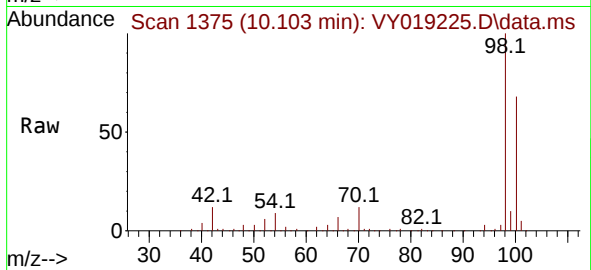
S-911-K1-SO-0-0.5-081924-FDRE

Tgt Ion: 98 Resp: 164354

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 28.590 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019225.D

Acq: 22 Aug 2024 17:09

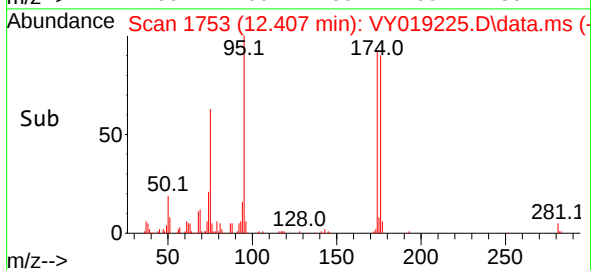
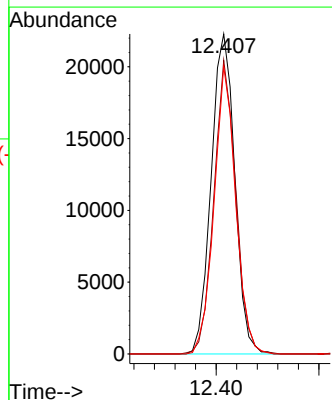
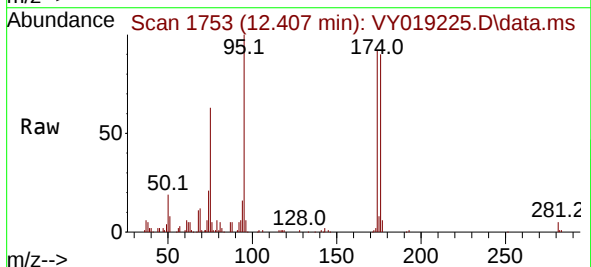
Tgt Ion: 95 Resp: 35470

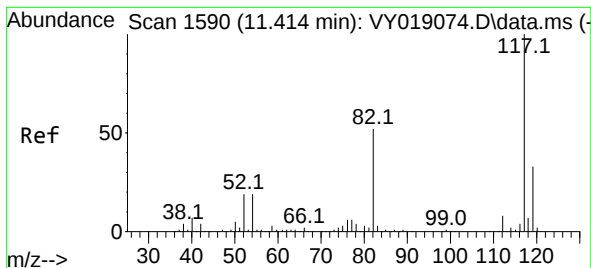
Ion Ratio Lower Upper

95 100

174 85.3 0.0 175.6

176 82.4 0.0 171.4

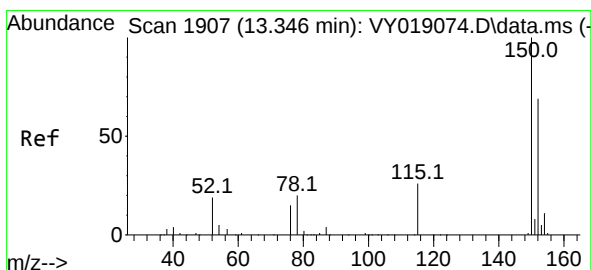
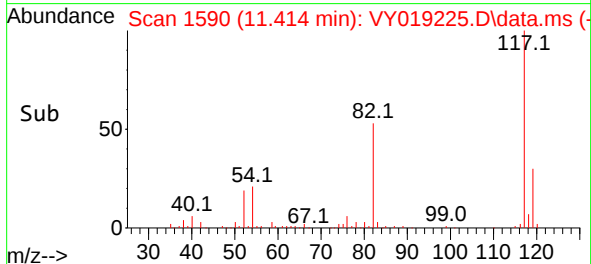
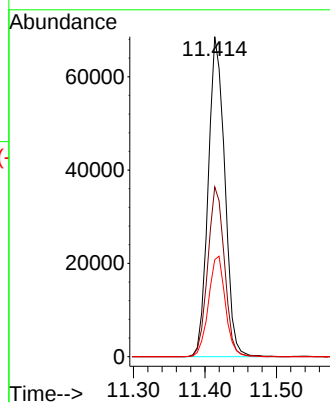
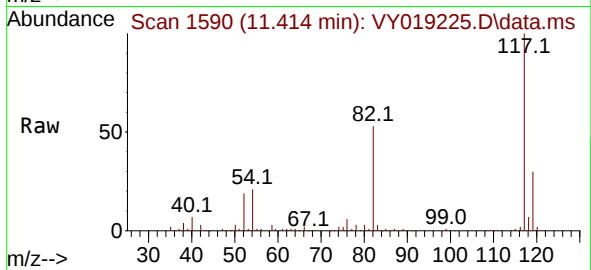




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019225.D  
Acq: 22 Aug 2024 17:09

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Tgt Ion:117 Resp: 110605  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.4 63.6  
119 30.4 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: VY019225.D  
Acq: 22 Aug 2024 17:09

Tgt Ion:152 Resp: 28511  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.2 84.7  
150 154.7 0.0 345.6

