

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012925\  
 Data File : VY020963.D  
 Acq On : 29 Jan 2025 12:10  
 Operator : SY/MD  
 Sample : Q1209-03  
 Misc : 4.52g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-4-VOC

Quant Time: Jan 30 00:34:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012425S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 25 01:12:18 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 76254    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 115940   | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 98833    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 40864    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.060  | 65    | 37666    | 61.953   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 123.900% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 36096    | 54.231   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.460% |
| 50) Toluene-d8              | 10.109 | 98    | 117924   | 45.677   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.360%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 35515    | 41.334   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 82.660%  |

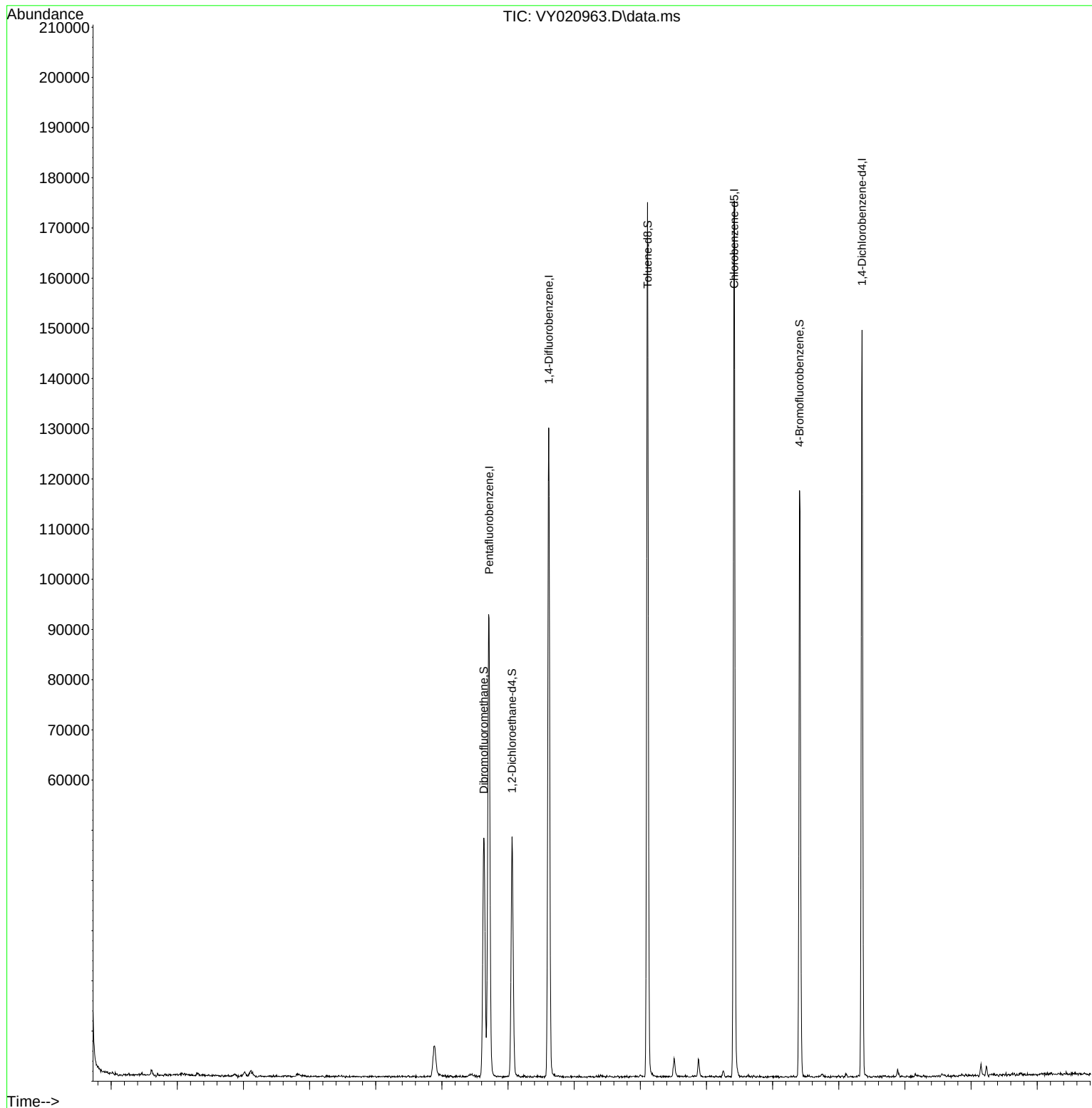
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

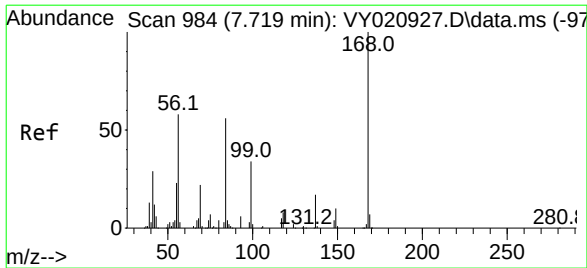
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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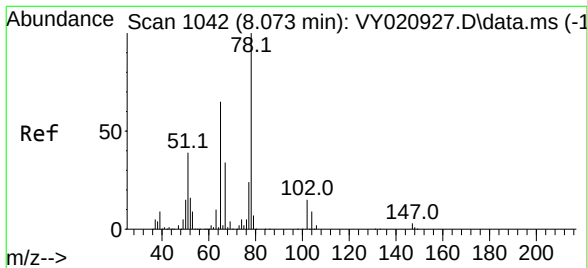
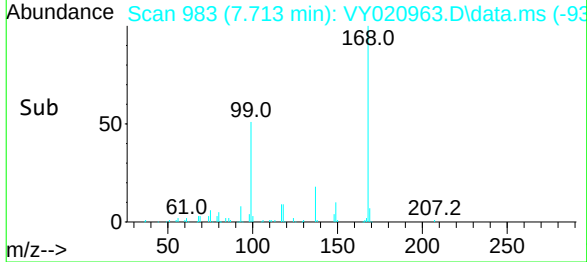
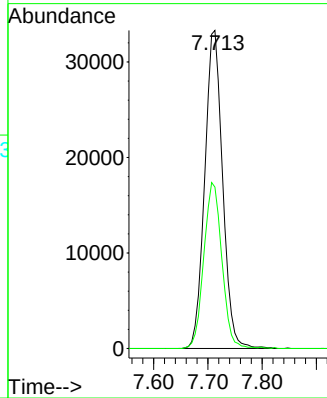
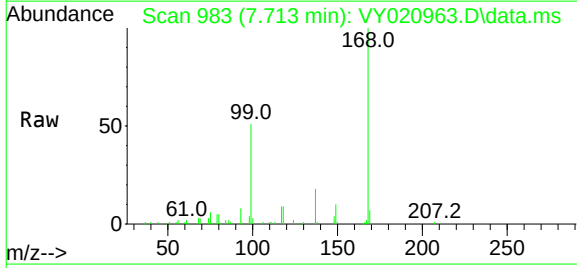




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VY020963.D  
Acq: 29 Jan 2025 12:10

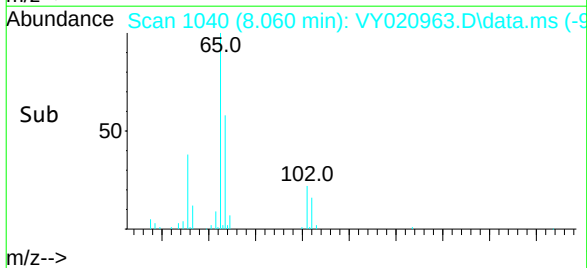
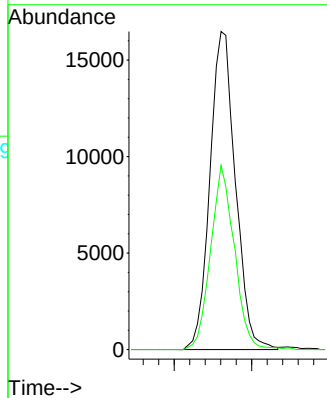
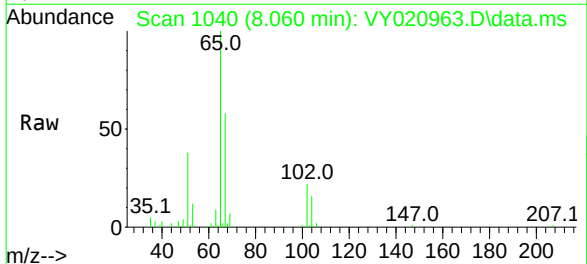
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-4-VOC

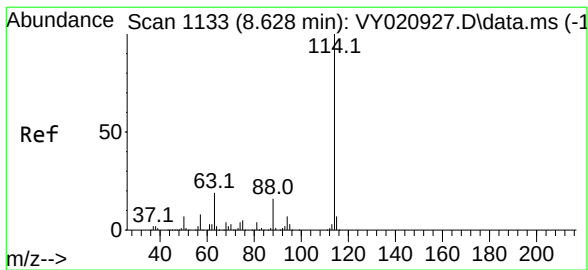
Tgt Ion:168 Resp: 76254  
Ion Ratio Lower Upper  
168 100  
99 50.7 43.0 64.6



#33  
1,2-Dichloroethane-d4  
Concen: 61.953 ug/l  
RT: 8.060 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020963.D  
Acq: 29 Jan 2025 12:10

Tgt Ion: 65 Resp: 37666  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

WC-4-VOC

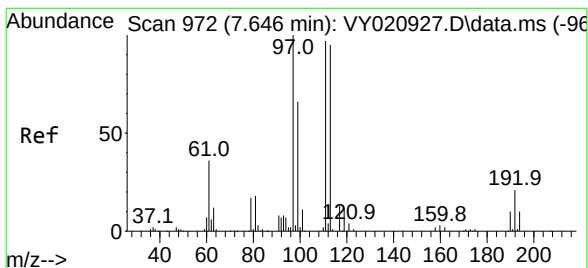
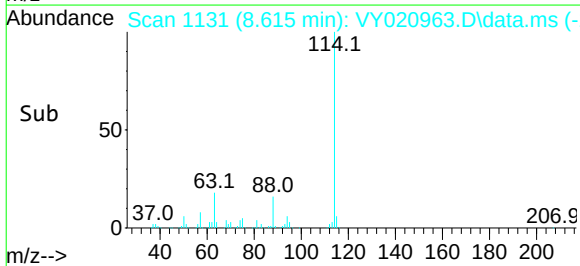
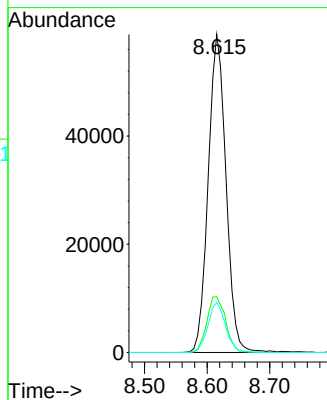
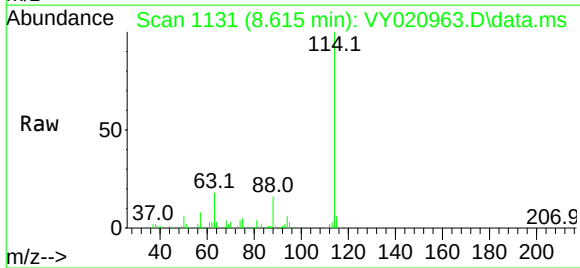
Tgt Ion:114 Resp: 115940

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 15.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 54.231 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

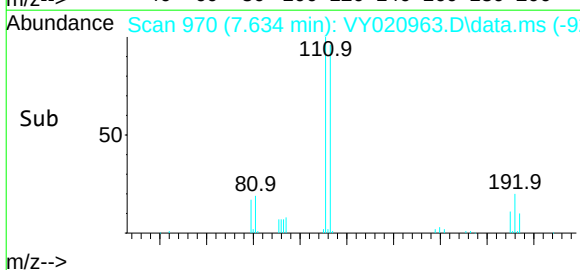
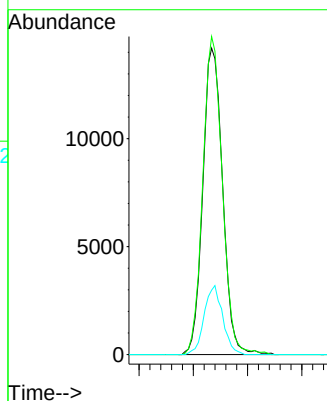
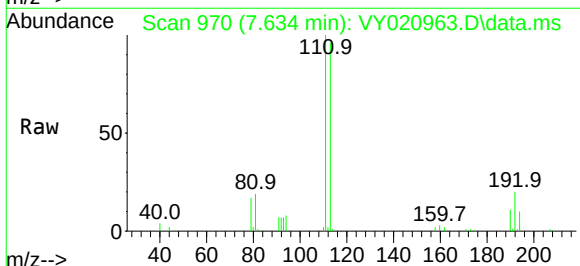
Tgt Ion:113 Resp: 36096

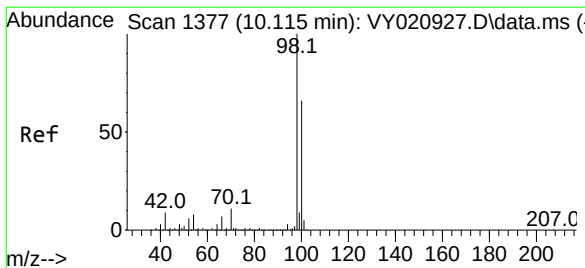
Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

192 21.0 17.4 26.2





#50

Toluene-d8

Concen: 45.677 ug/l

RT: 10.109 min Scan# 1377

Delta R.T. -0.006 min

Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

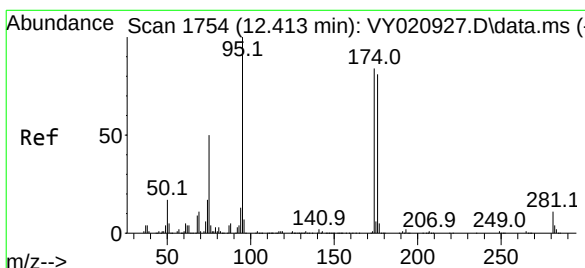
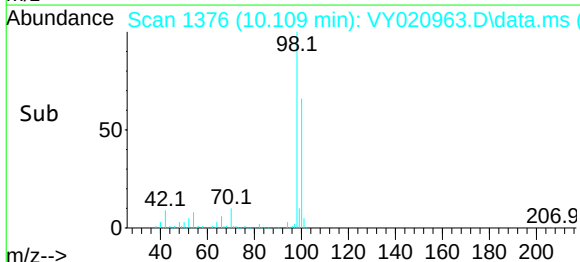
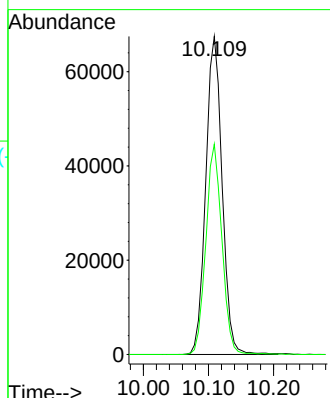
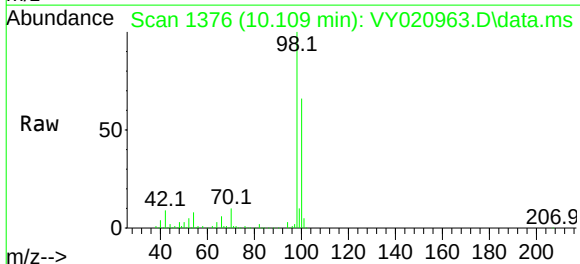
WC-4-VOC

Tgt Ion: 98 Resp: 117924

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.334 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

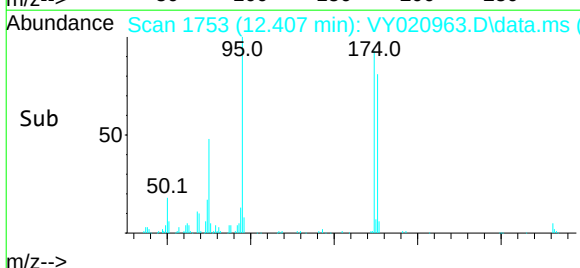
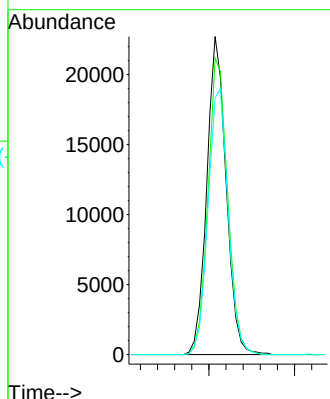
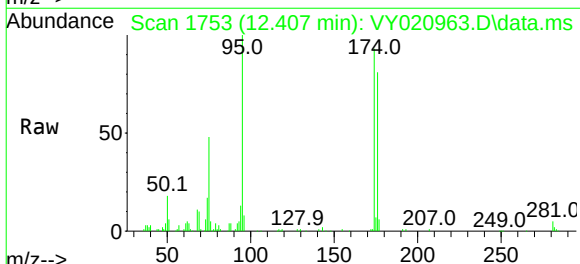
Tgt Ion: 95 Resp: 35515

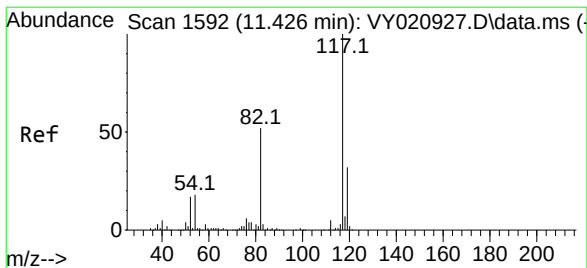
Ion Ratio Lower Upper

95 100

174 95.0 0.0 177.4

176 87.1 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

WC-4-VOC

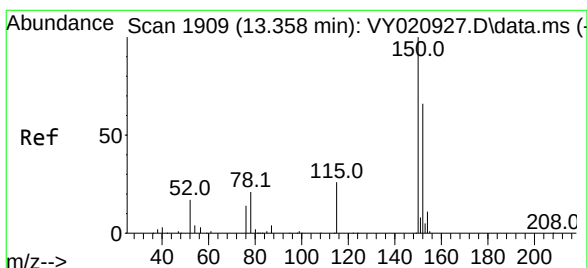
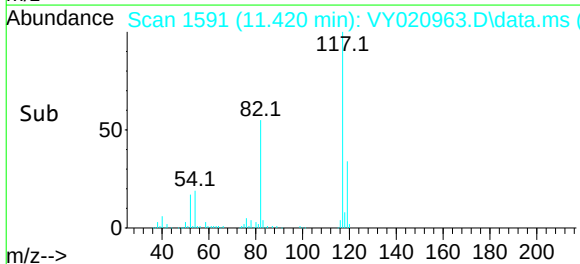
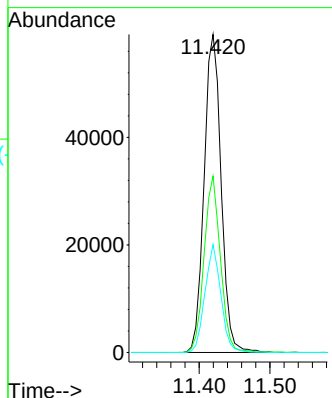
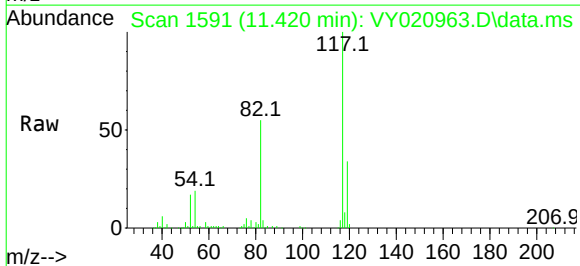
Tgt Ion:117 Resp: 98833

Ion Ratio Lower Upper

117 100

82 55.4 41.8 62.8

119 33.9 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

Tgt Ion:152 Resp: 40864

Ion Ratio Lower Upper

152 100

115 56.8 29.0 87.0

150 158.8 0.0 347.6

