

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051925\  
 Data File : VY022315.D  
 Acq On : 19 May 2025 13:49  
 Operator : SY/MD  
 Sample : Q2062-03  
 Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 L1-WC-1-VOC

Quant Time: May 20 01:13:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 16 01:42:09 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 270724   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 482464   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 394803   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 146379   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 151606   | 51.240   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.480% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 146752   | 50.962   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.920% |
| 50) Toluene-d8              | 10.103 | 98    | 580520   | 49.223   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.440%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 153348   | 41.022   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.040%  |

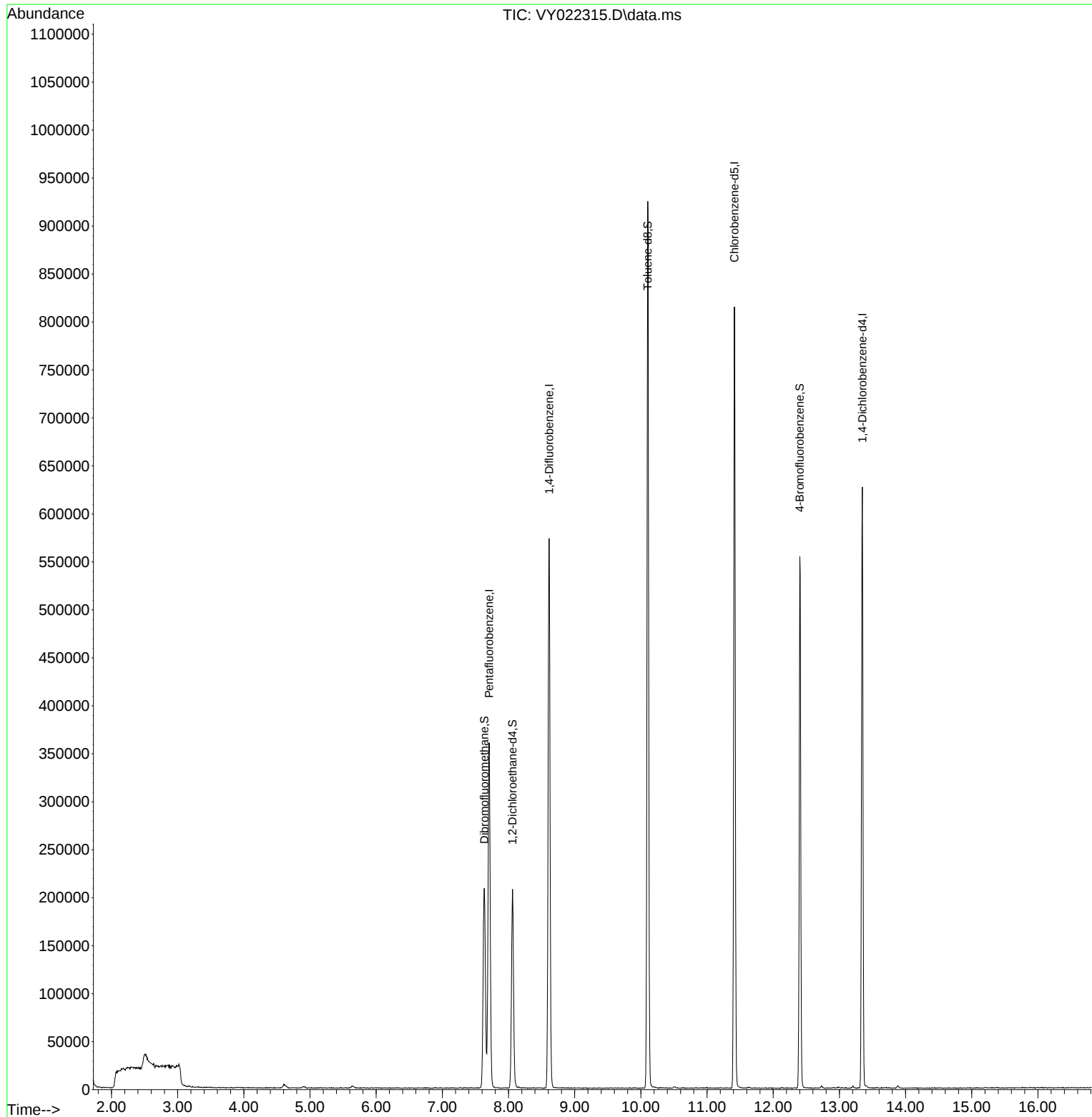
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

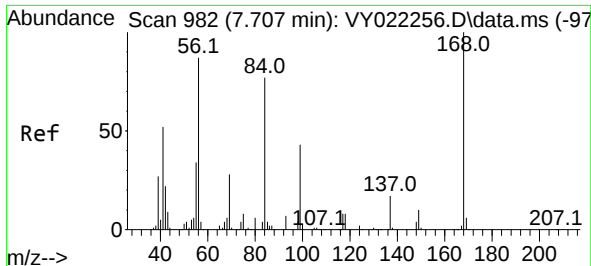
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q2062-03  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
L1-WC-1-VOC

Quant Time: May 20 01:13:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 16 01:42:09 2025  
Response via : Initial Calibration

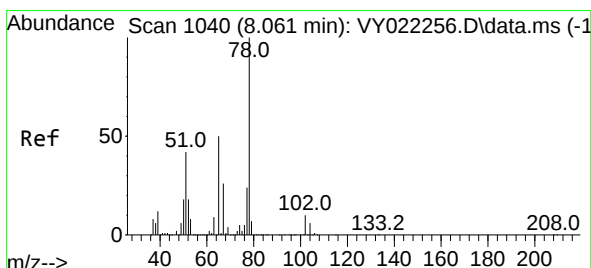
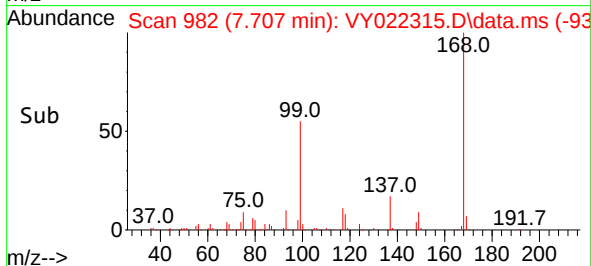
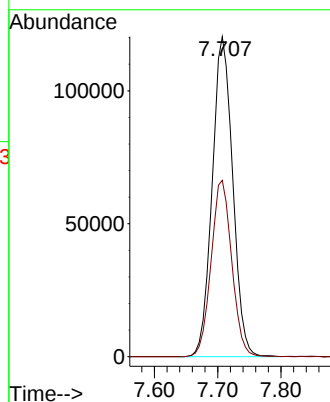
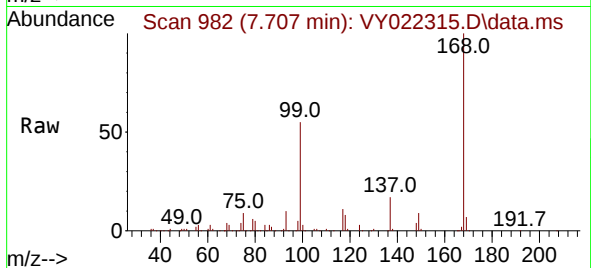




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY022315.D  
Acq: 19 May 2025 13:49

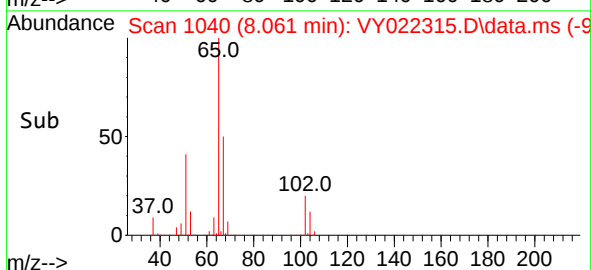
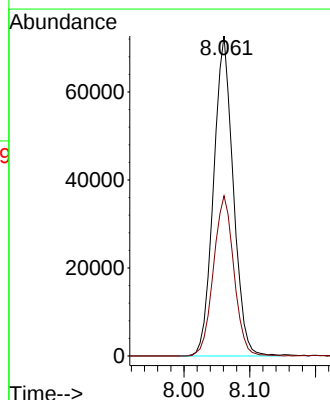
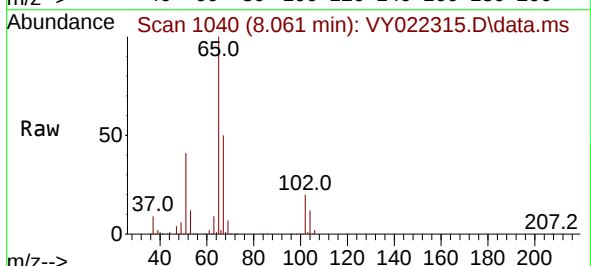
Instrument :  
MSVOA\_Y  
ClientSampleId :  
L1-WC-1-VOC

Tgt Ion:168 Resp: 270724  
Ion Ratio Lower Upper  
168 100  
99 55.1 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 51.240 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY022315.D  
Acq: 19 May 2025 13:49

Tgt Ion: 65 Resp: 151606  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 104.6

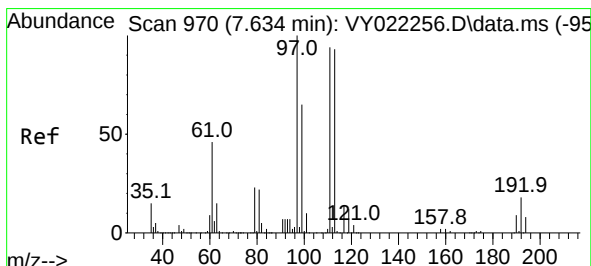
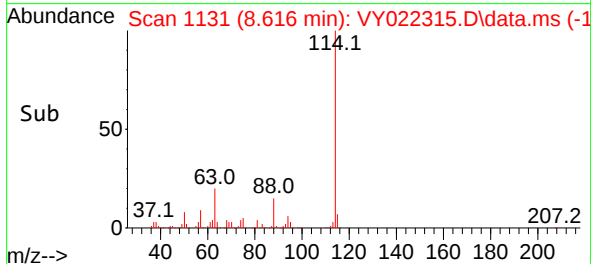
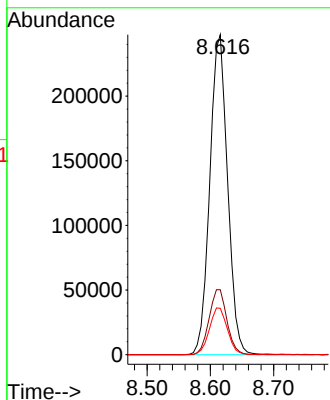
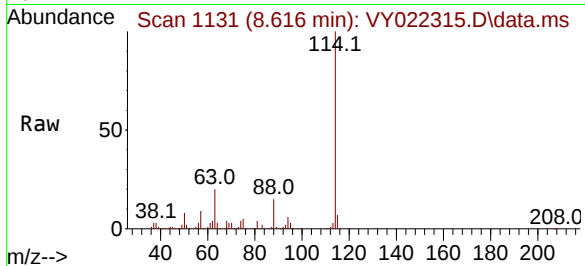




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY022315.D  
Acq: 19 May 2025 13:49

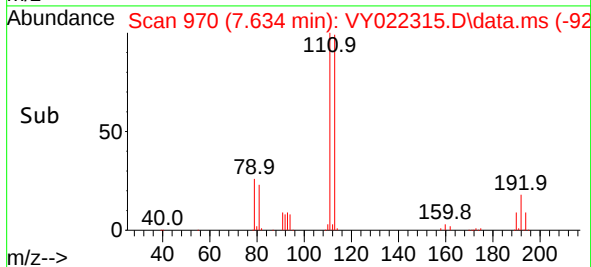
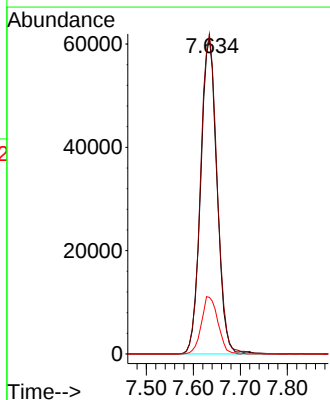
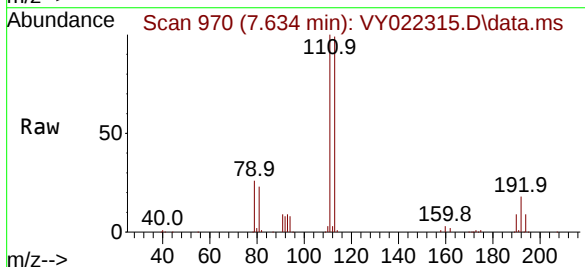
Instrument :  
MSVOA\_Y  
ClientSampleId :  
L1-WC-1-VOC

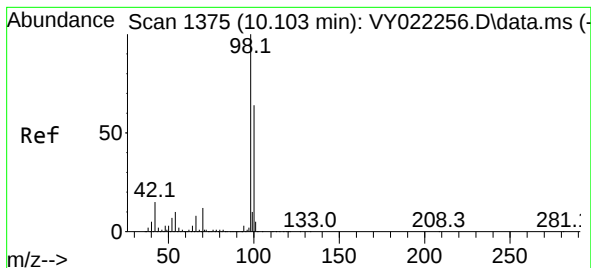
Tgt Ion:114 Resp: 482464  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 41.0  
88 14.5 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 50.962 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY022315.D  
Acq: 19 May 2025 13:49

Tgt Ion:113 Resp: 146752  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.6 123.8  
192 18.3 15.2 22.8





#50

Toluene-d8

Concen: 49.223 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022315.D

Acq: 19 May 2025 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

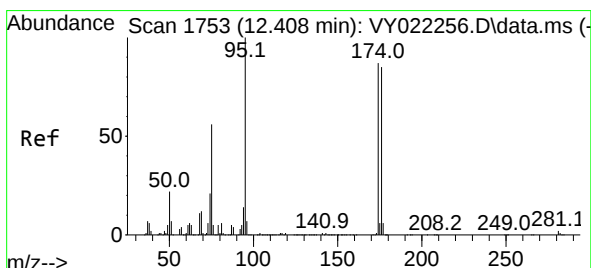
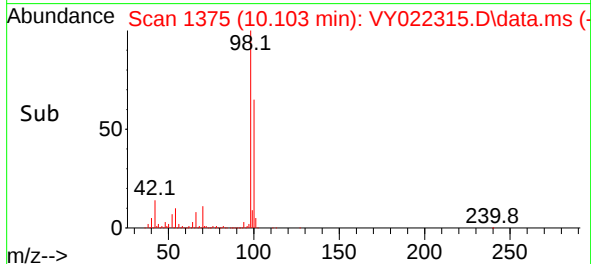
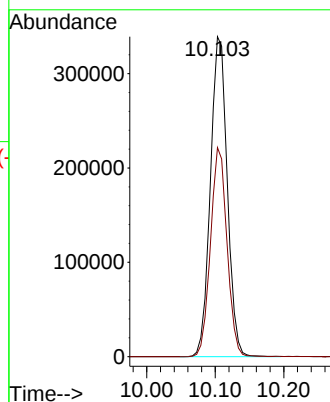
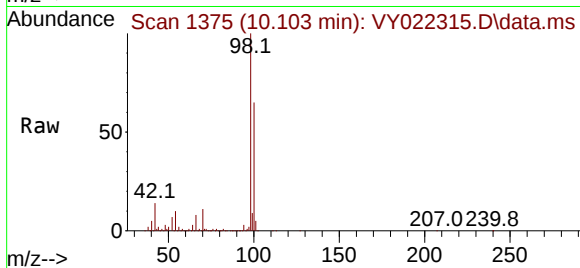
L1-WC-1-VOC

Tgt Ion: 98 Resp: 580520

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 41.022 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022315.D

Acq: 19 May 2025 13:49

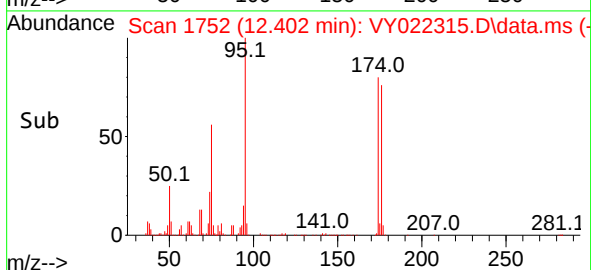
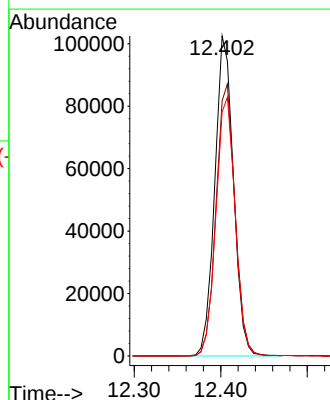
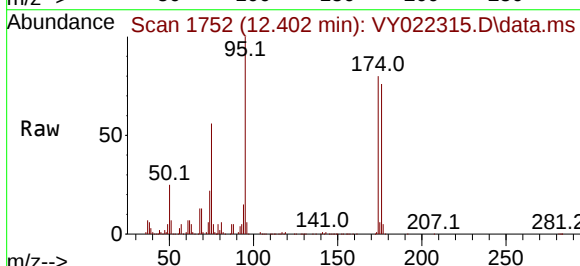
Tgt Ion: 95 Resp: 153348

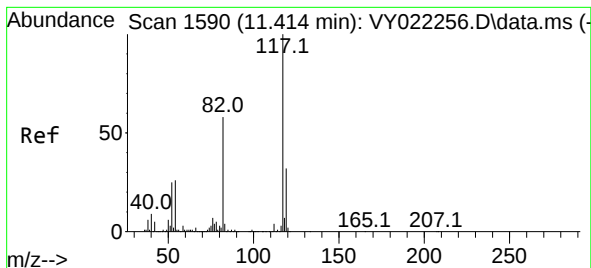
Ion Ratio Lower Upper

95 100

174 86.2 0.0 166.8

176 83.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022315.D

Acq: 19 May 2025 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

L1-WC-1-VOC

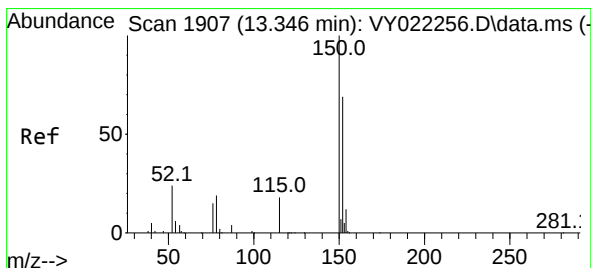
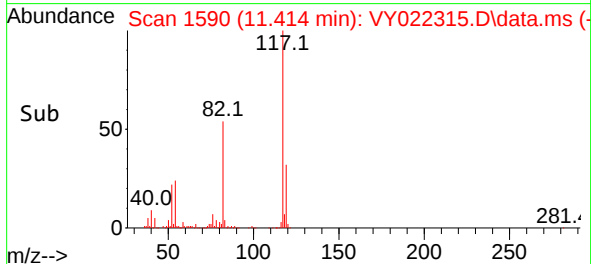
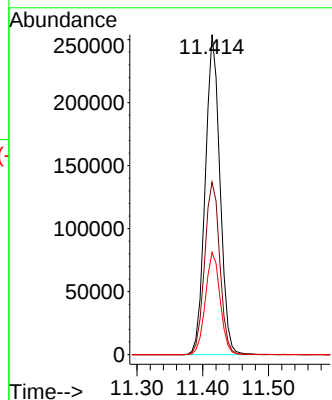
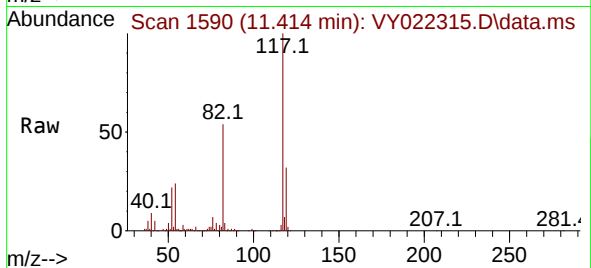
Tgt Ion:117 Resp: 394803

Ion Ratio Lower Upper

117 100

82 53.9 46.6 70.0

119 32.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022315.D

Acq: 19 May 2025 13:49

Tgt Ion:152 Resp: 146379

Ion Ratio Lower Upper

152 100

115 57.8 29.4 88.2

150 158.2 0.0 353.8

