

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122324\  
 Data File : VY020690.D  
 Acq On : 23 Dec 2024 13:46  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Dec 23 14:31:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122324S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 23 14:10:31 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.719  | 168   | 122966   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.628  | 114   | 172651   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.426 | 117   | 141587   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 67269    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 53847    | 49.445   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 98.880%  |
| 35) Dibromofluoromethane    | 7.646  | 113   | 49110    | 48.443   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 96.880%  |
| 50) Toluene-d8              | 10.115 | 98    | 193162   | 52.460   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 104.920% |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 61955    | 46.229   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 92.460%  |

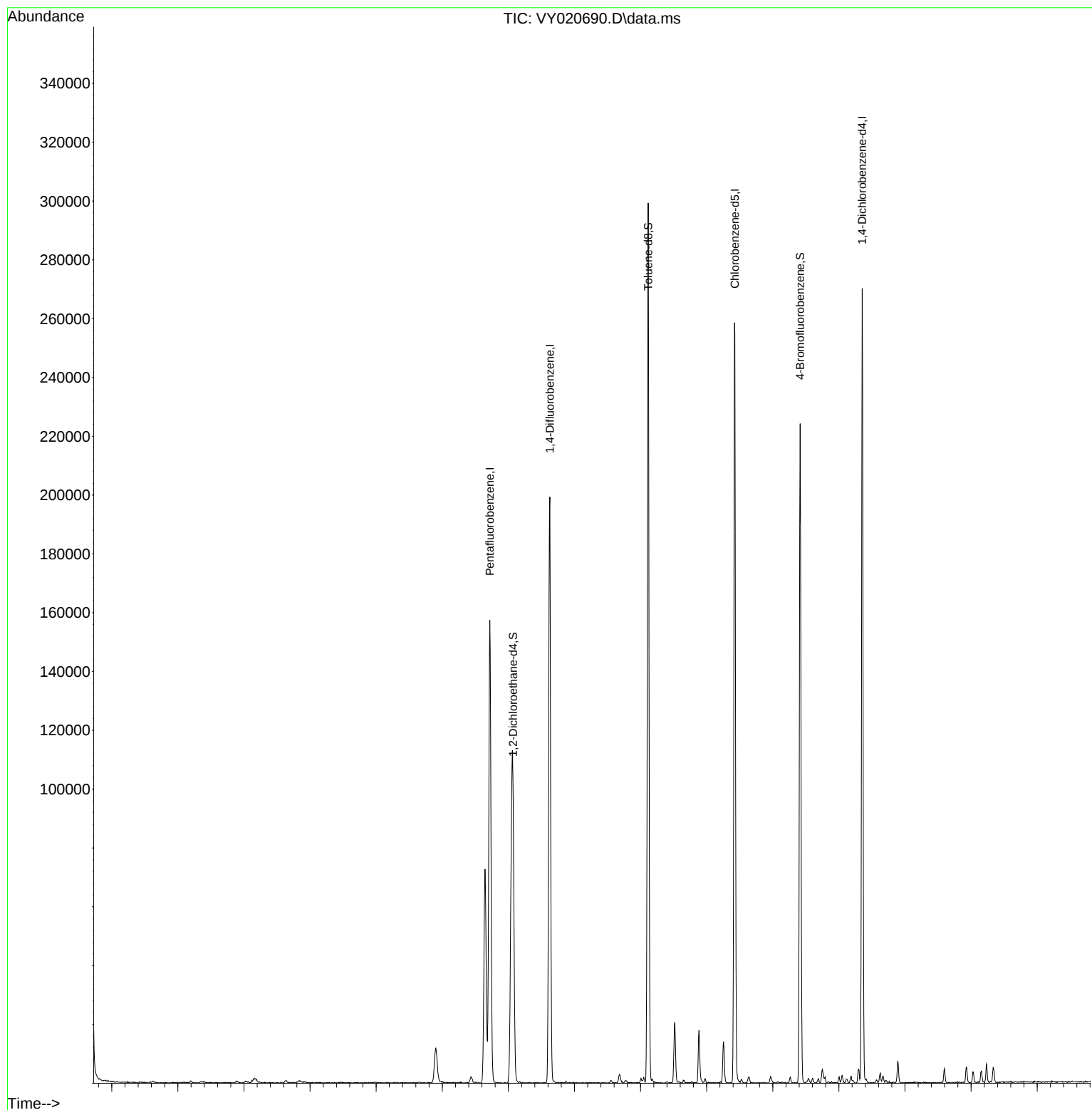
Target Compounds Qvalue

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

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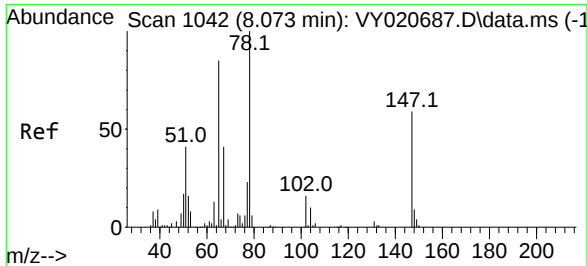
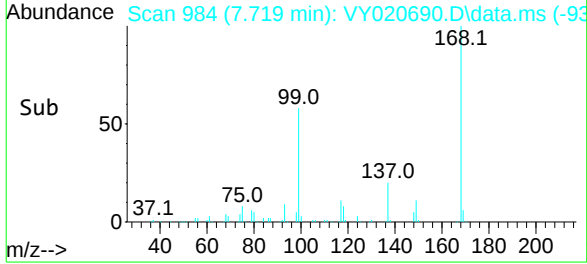
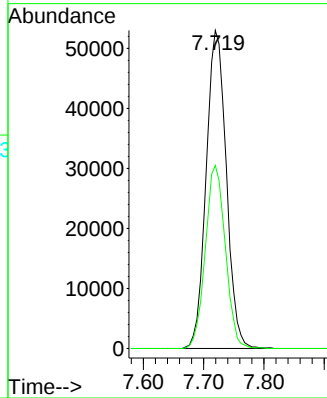
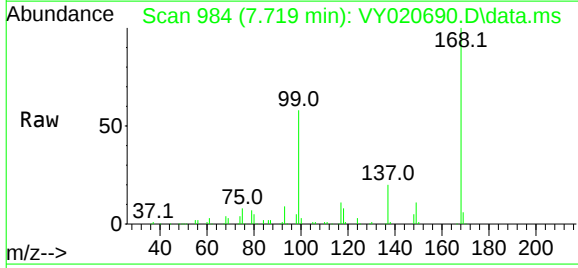




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VY020690.D  
Acq: 23 Dec 2024 13:46

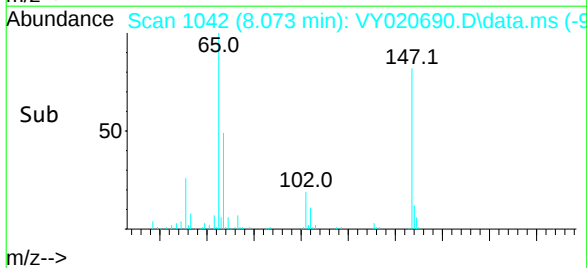
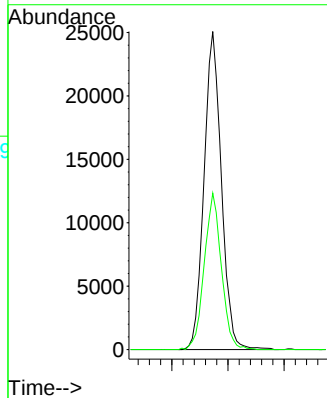
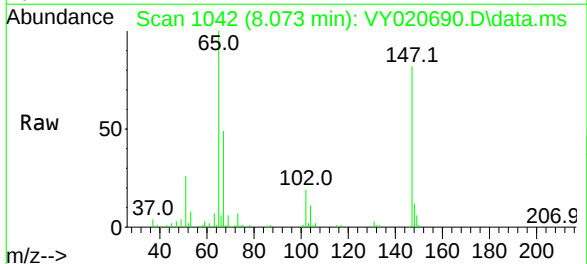
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

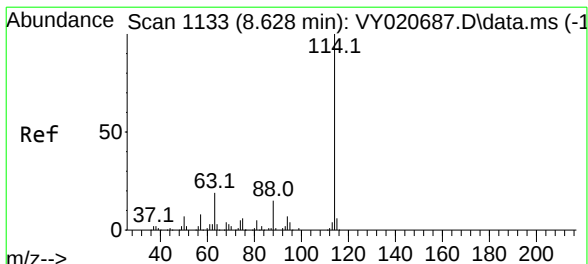
Tgt Ion:168 Resp: 122966  
Ion Ratio Lower Upper  
168 100  
99 57.5 47.0 70.6



#33  
1,2-Dichloroethane-d4  
Concen: 49.445 ug/l  
RT: 8.073 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VY020690.D  
Acq: 23 Dec 2024 13:46

Tgt Ion: 65 Resp: 53847  
Ion Ratio Lower Upper  
65 100  
67 48.6 0.0 108.0

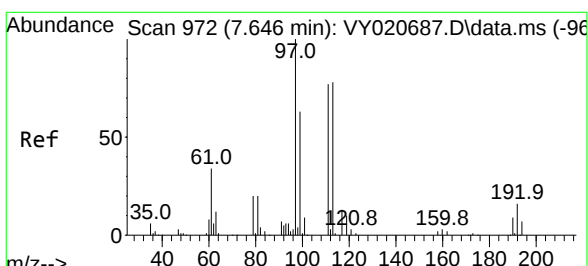
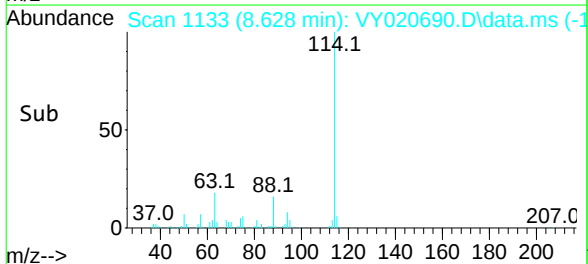
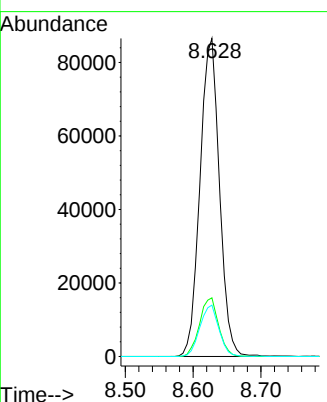
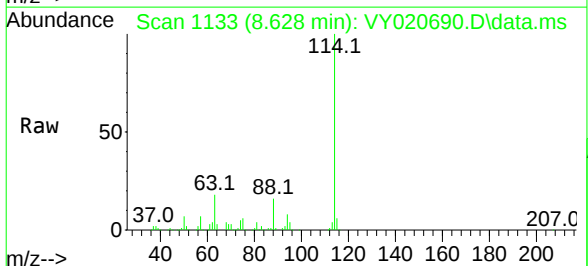




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.628 min Scan# 1133  
 Delta R.T. 0.000 min  
 Lab File: VY020690.D  
 Acq: 23 Dec 2024 13:46

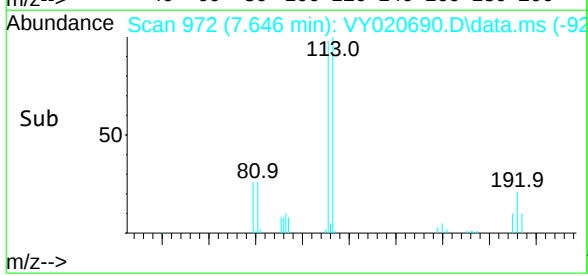
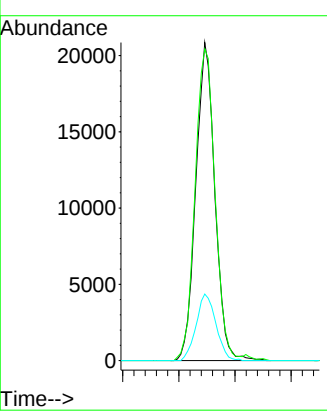
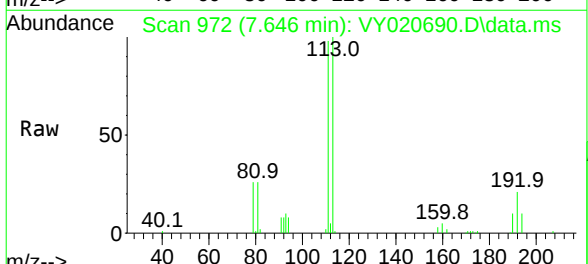
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

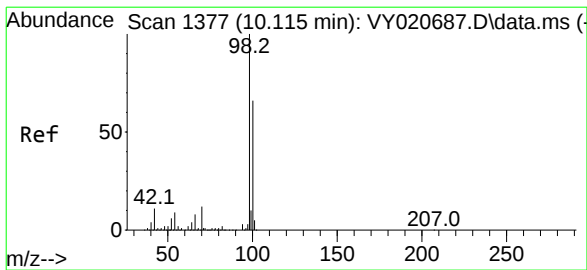
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 172651 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.4  | 0.0   | 44.0   |
| 88       | 16.2  | 0.0   | 32.8   |



#35  
 Dibromofluoromethane  
 Concen: 48.443 ug/l  
 RT: 7.646 min Scan# 972  
 Delta R.T. 0.000 min  
 Lab File: VY020690.D  
 Acq: 23 Dec 2024 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 49110 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.5 | 82.9  | 124.3 |
| 192      | 21.8  | 15.7  | 23.5  |





#50

Toluene-d8

Concen: 52.460 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Instrument :

MSVOA\_Y

ClientSampleId :

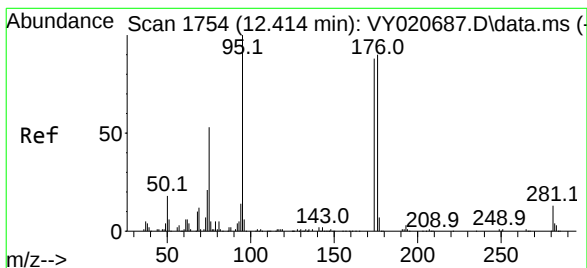
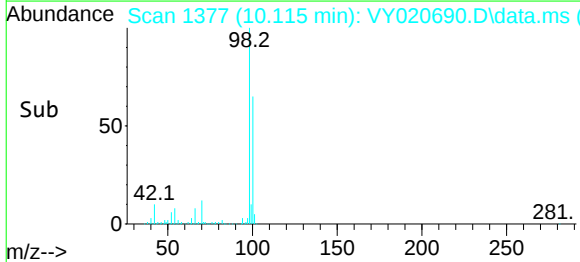
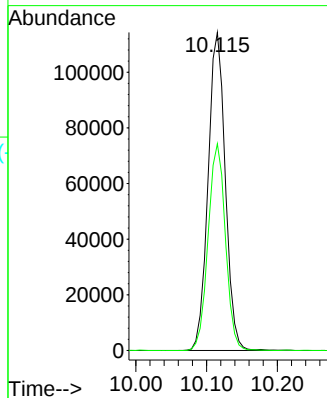
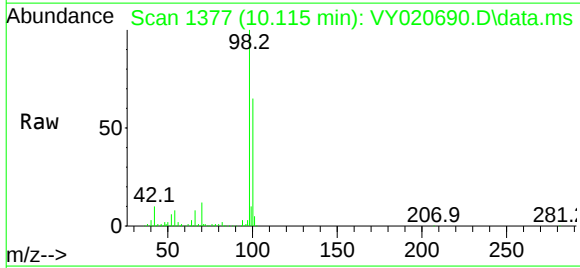
VIBLK

Tgt Ion: 98 Resp: 193162

Ion Ratio Lower Upper

98 100

100 65.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.229 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

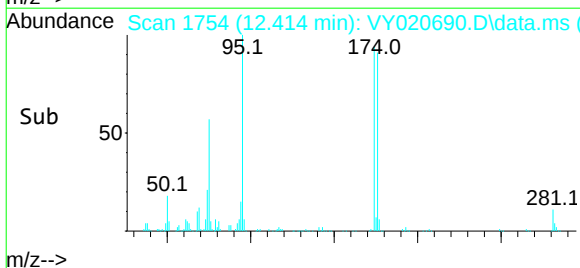
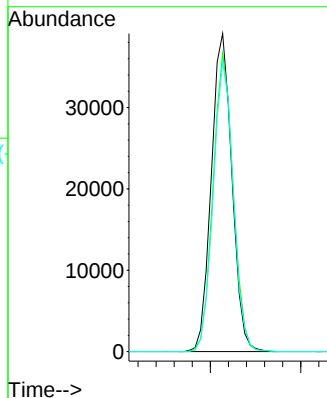
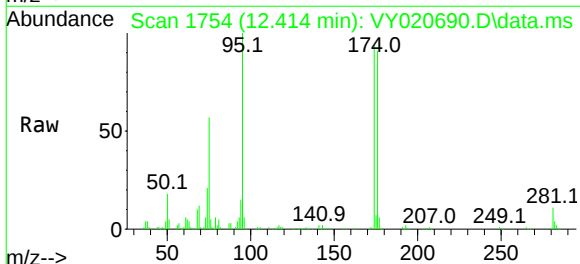
Tgt Ion: 95 Resp: 61955

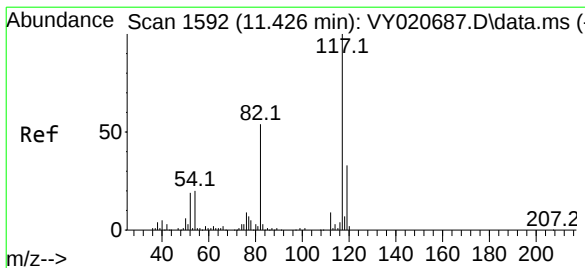
Ion Ratio Lower Upper

95 100

174 91.6 0.0 161.8

176 89.1 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1592

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

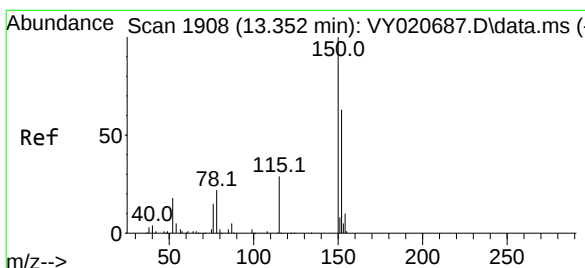
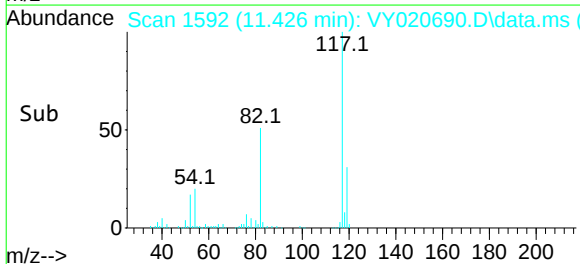
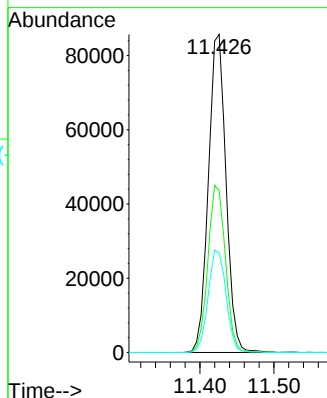
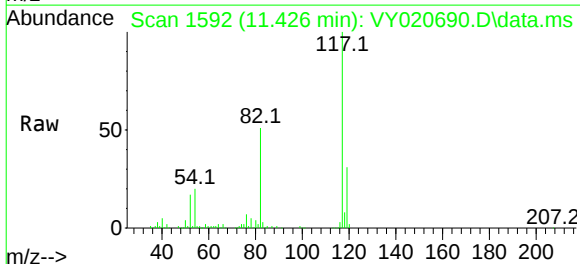
Tgt Ion:117 Resp: 141587

Ion Ratio Lower Upper

117 100

82 50.9 45.8 68.6

119 31.3 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Tgt Ion:152 Resp: 67269

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

150 159.8 0.0 355.4

