

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020660.D  
 Acq On : 19 Dec 2024 17:09  
 Operator : SY/MD  
 Sample : P5277-01  
 Misc : 4.74g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1A

Quant Time: Dec 20 00:57:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 108629   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 184812   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 172200   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 81207    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 57441    | 48.281   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 96.560%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 56678    | 43.515   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 87.020%  |
| 50) Toluene-d8              | 10.109 | 98    | 225705   | 49.508   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.020%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 79552    | 44.608   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 89.220%  |

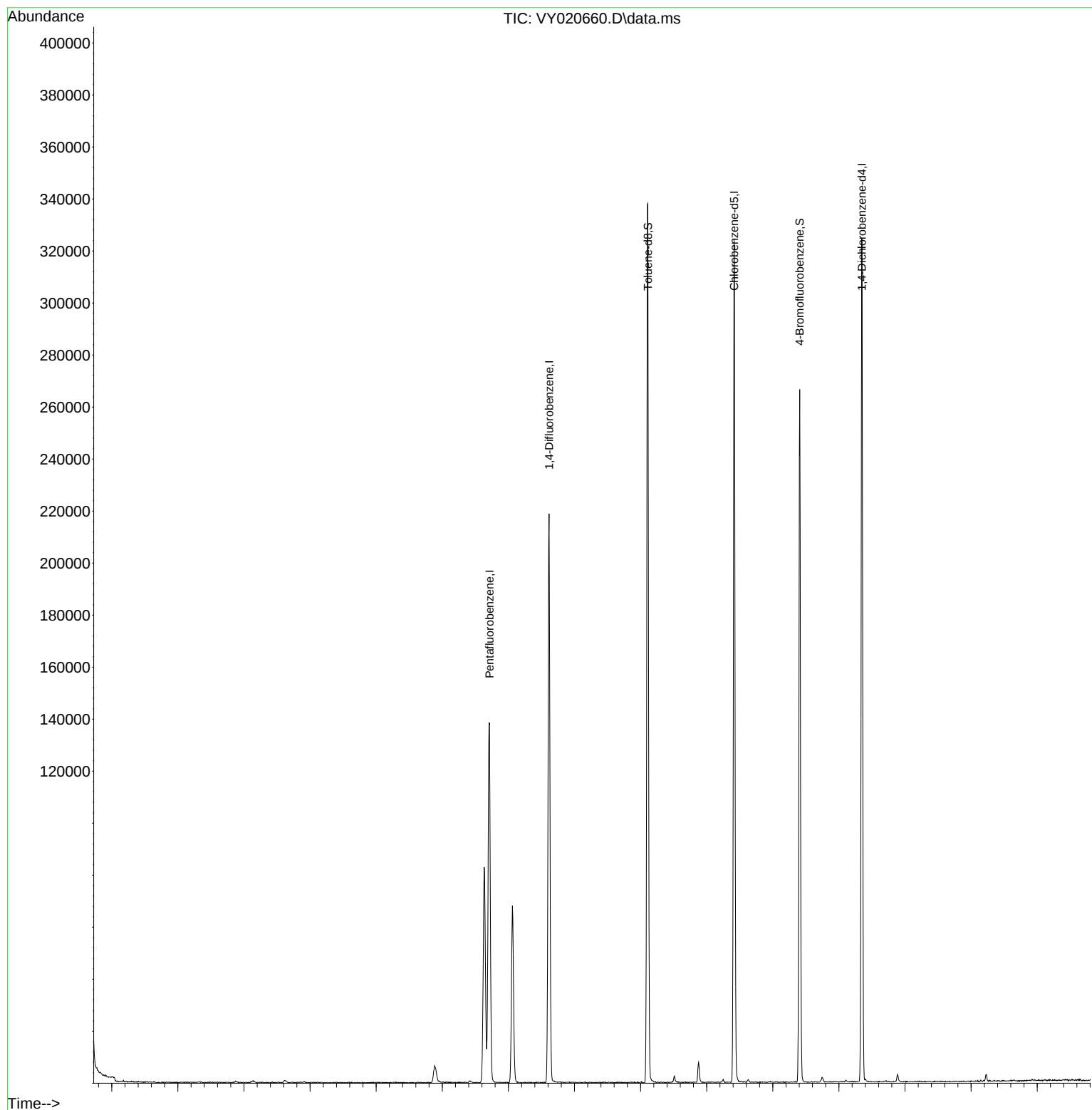
Target Compounds Qvalue

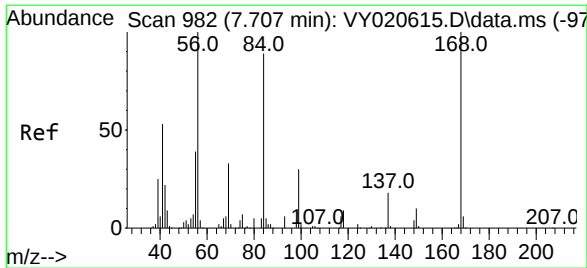
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
Data File : VY020660.D  
Acq On : 19 Dec 2024 17:09  
Operator : SY/MD  
Sample : P5277-01  
Misc : 4.74g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1A

Quant Time: Dec 20 00:57:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

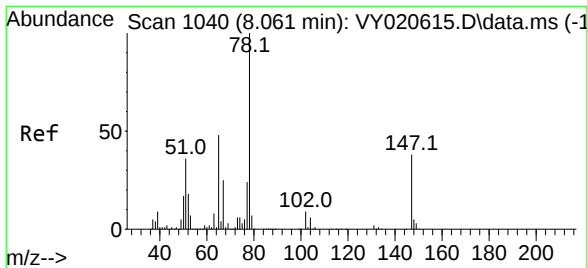
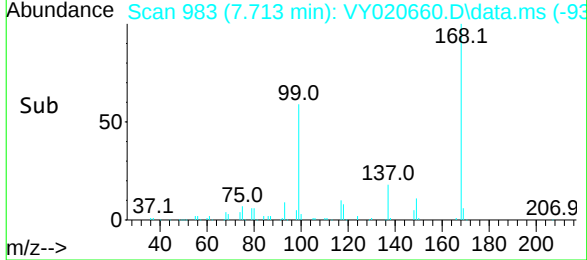
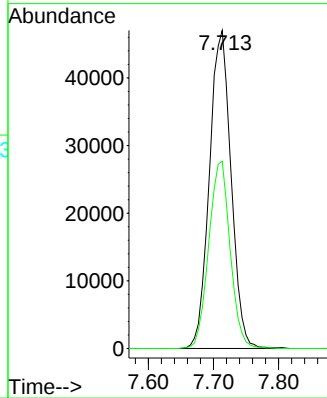
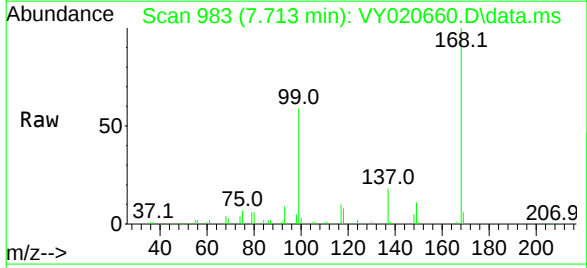




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VY020660.D  
Acq: 19 Dec 2024 17:09

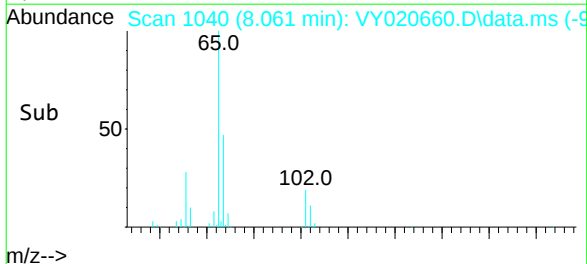
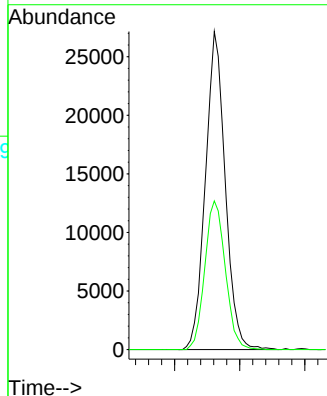
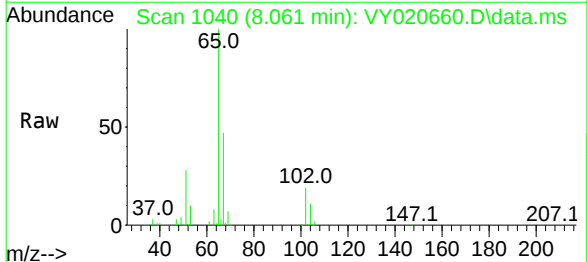
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1A

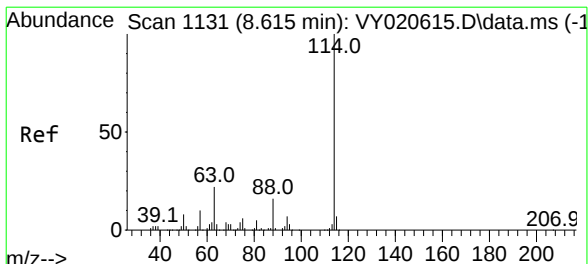
Tgt Ion:168 Resp: 108629  
Ion Ratio Lower Upper  
168 100  
99 58.9 47.0 70.6



#33  
1,2-Dichloroethane-d4  
Concen: 48.281 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020660.D  
Acq: 19 Dec 2024 17:09

Tgt Ion: 65 Resp: 57441  
Ion Ratio Lower Upper  
65 100  
67 48.3 0.0 108.0

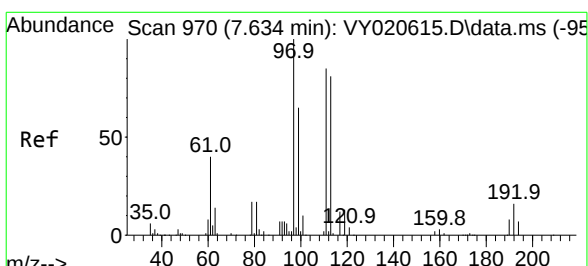
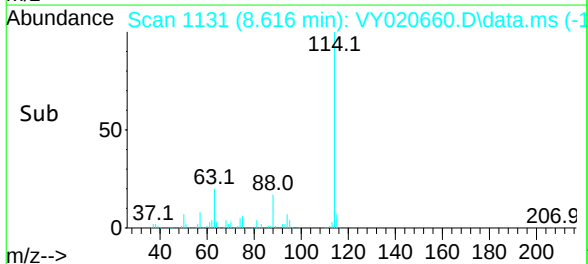
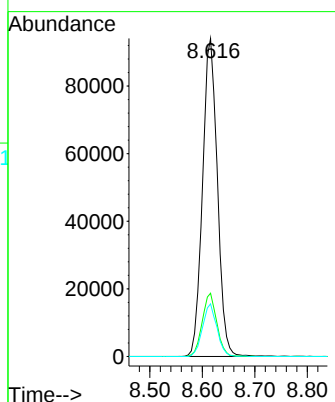
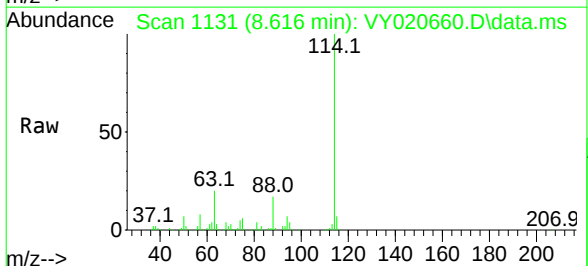




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY020660.D  
 Acq: 19 Dec 2024 17:09

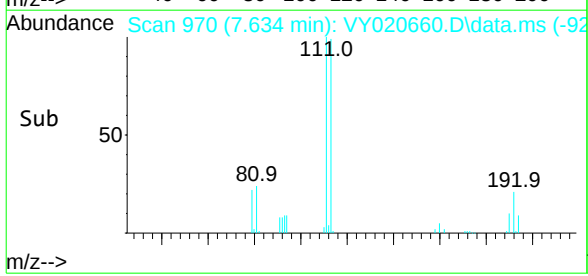
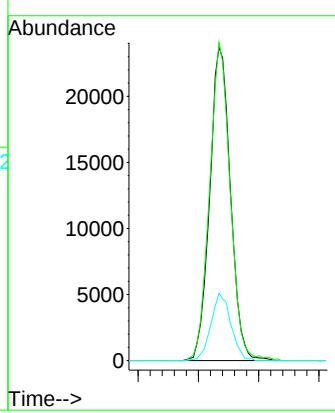
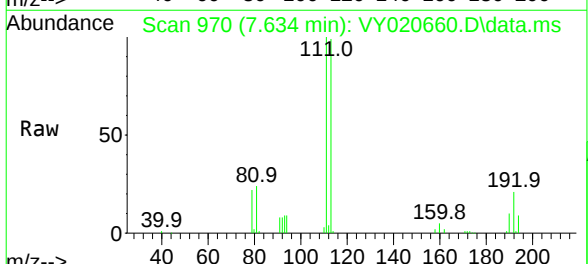
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1A

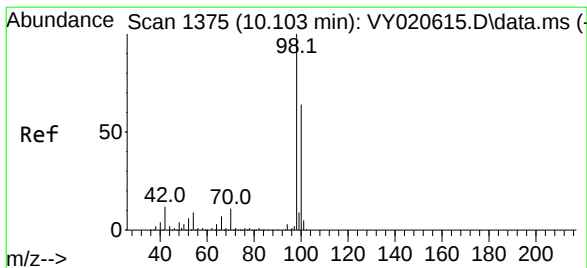
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 184812 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.9  | 0.0   | 44.0   |
| 88       | 16.5  | 0.0   | 32.8   |



#35  
 Dibromofluoromethane  
 Concen: 43.515 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. 0.000 min  
 Lab File: VY020660.D  
 Acq: 19 Dec 2024 17:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 56678 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.0 | 82.9  | 124.3 |
| 192      | 20.8  | 15.7  | 23.5  |





#50

Toluene-d8

Concen: 49.508 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY020660.D

Acq: 19 Dec 2024 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

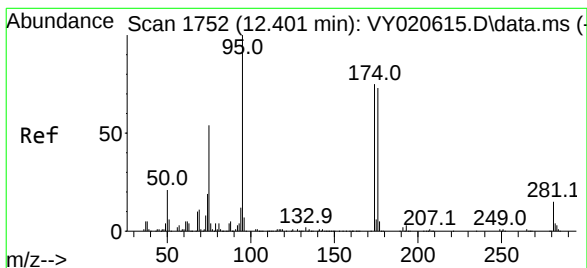
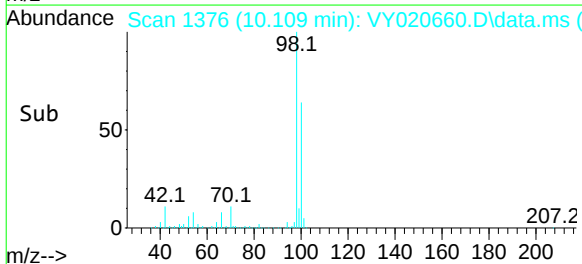
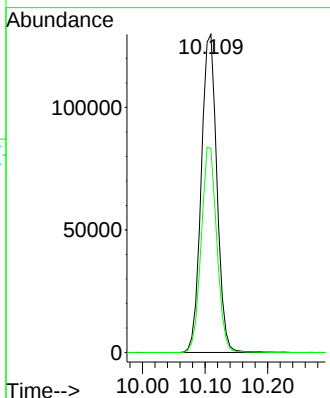
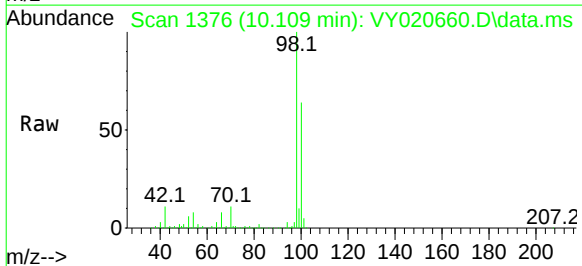
COMP-1A

Tgt Ion: 98 Resp: 225705

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.608 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020660.D

Acq: 19 Dec 2024 17:09

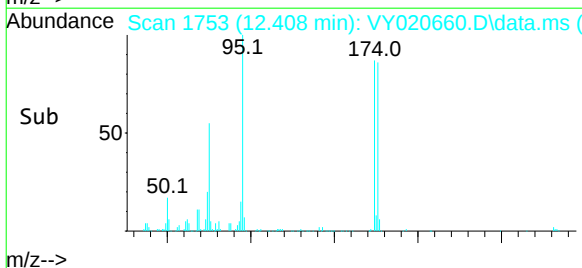
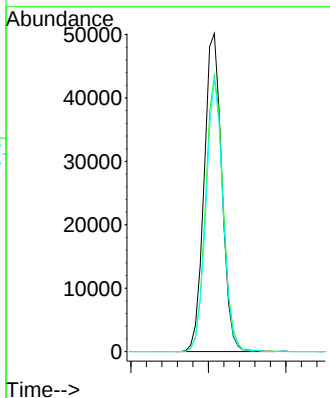
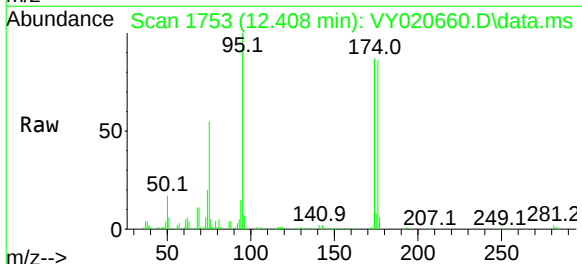
Tgt Ion: 95 Resp: 79552

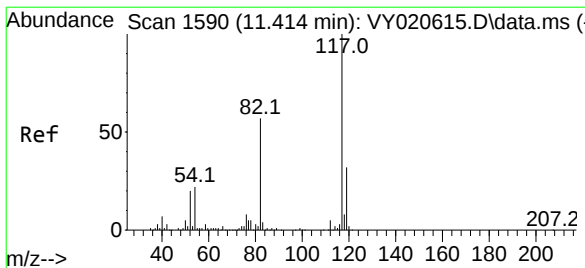
Ion Ratio Lower Upper

95 100

174 86.6 0.0 161.8

176 82.2 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY020660.D

Acq: 19 Dec 2024 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-1A

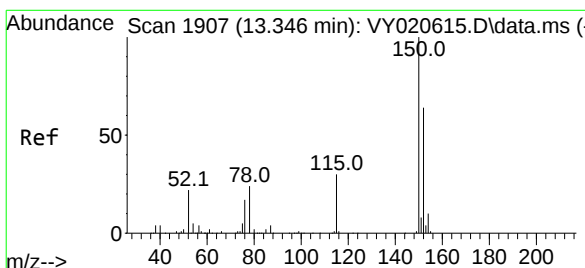
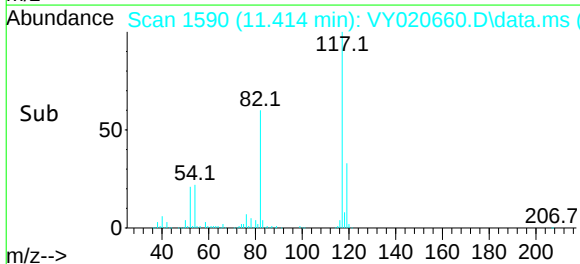
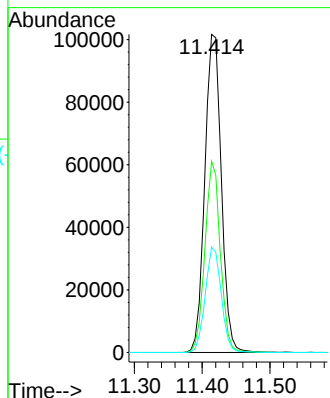
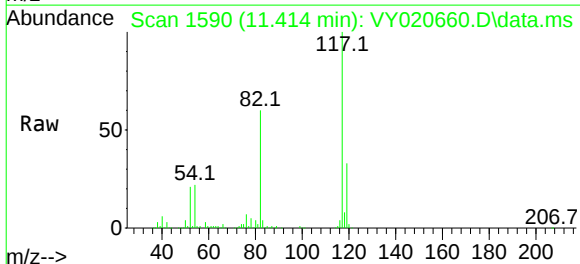
Tgt Ion:117 Resp: 172200

Ion Ratio Lower Upper

117 100

82 60.1 45.8 68.6

119 33.1 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020660.D

Acq: 19 Dec 2024 17:09

Tgt Ion:152 Resp: 81207

Ion Ratio Lower Upper

152 100

115 59.6 30.2 90.6

150 159.1 0.0 355.4

