

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103124\  
 Data File : VY020101.D  
 Acq On : 31 Oct 2024 17:46  
 Operator : SY/MD  
 Sample : P4613-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ARS20-0001

Quant Time: Nov 01 03:50:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.701  | 168   | 1297     | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.610  | 114   | 2610     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 1346     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 403      | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 1175     | 72.587   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 145.180% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 827      | 49.837   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 99.680%  |
| 50) Toluene-d8              | 10.103 | 98    | 2458     | 37.212   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 74.420%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 542      | 25.262   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 50.520%  |

Target Compounds Qvalue

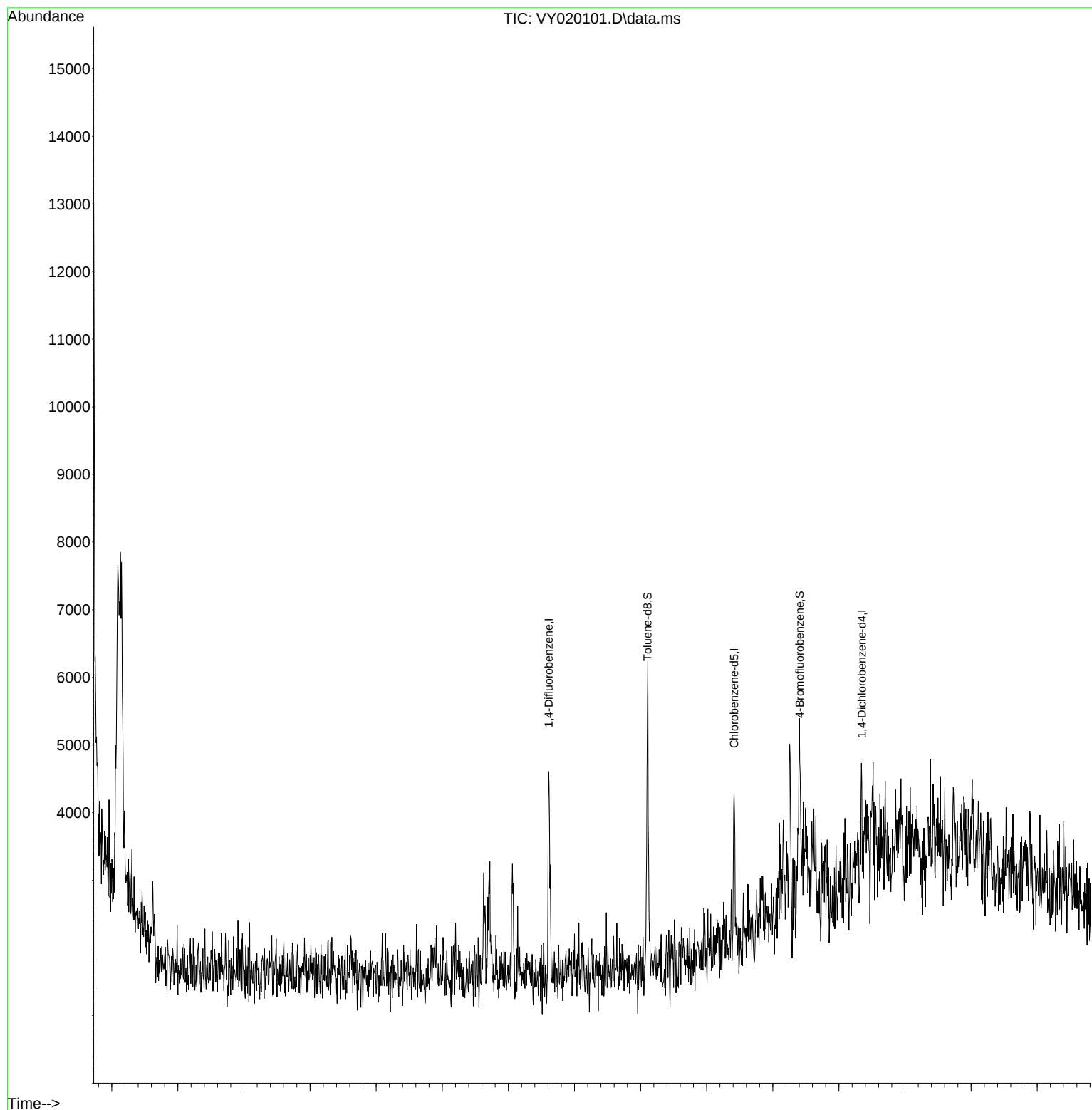
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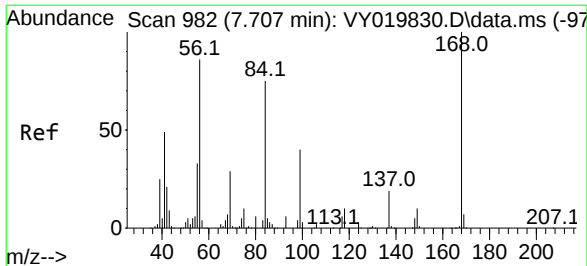
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-0001

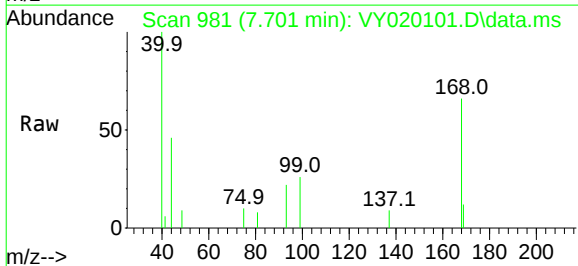
Quant Time: Nov 01 03:50:27 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration



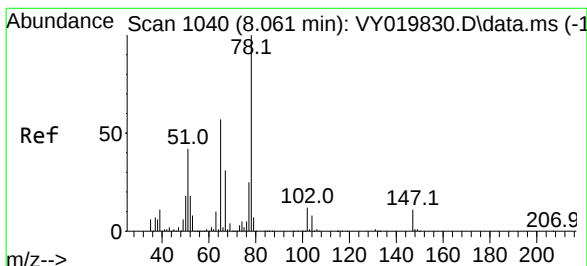
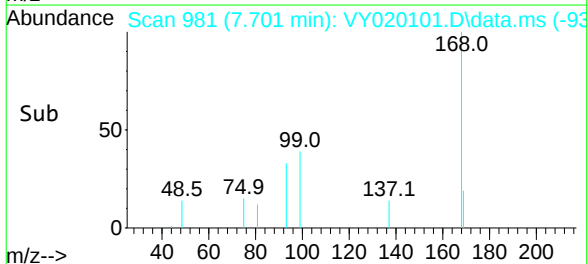
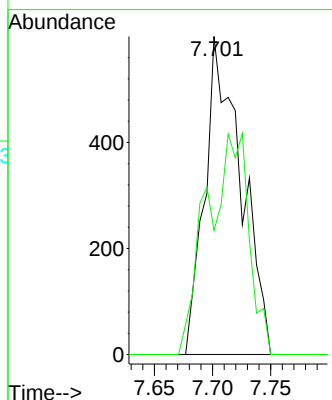


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VY020101.D  
Acq: 31 Oct 2024 17:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-0001

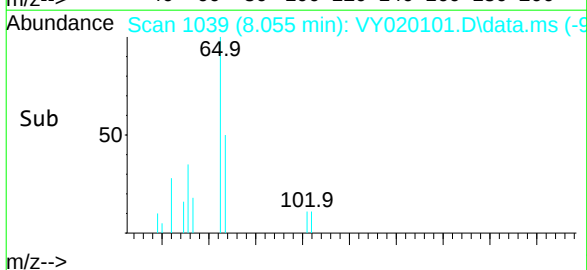
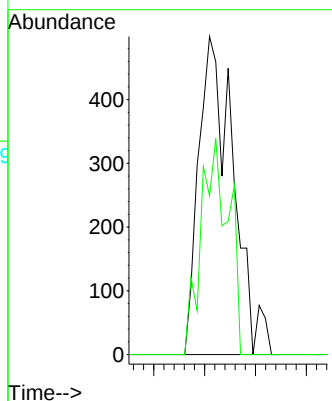
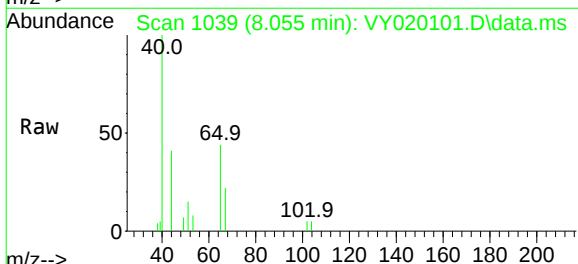


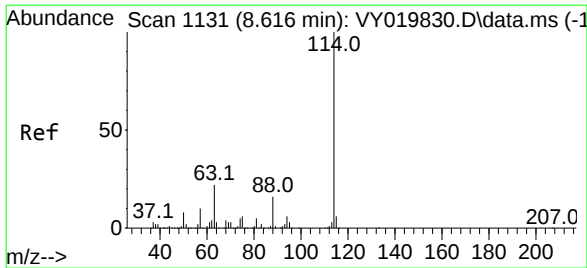
Tgt Ion: 168 Resp: 1297  
Ion Ratio Lower Upper  
168 100  
99 39.0 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 72.587 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY020101.D  
Acq: 31 Oct 2024 17:46

Tgt Ion: 65 Resp: 1175  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020101.D

Acq: 31 Oct 2024 17:46

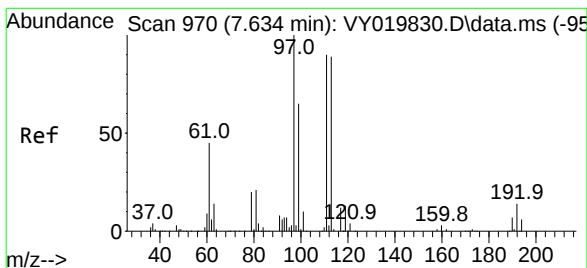
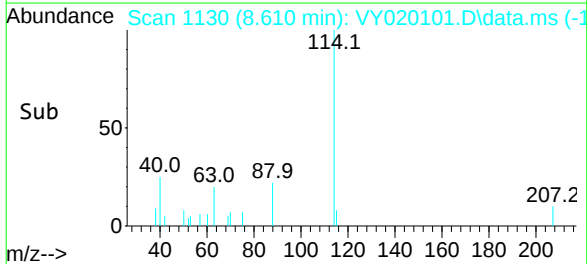
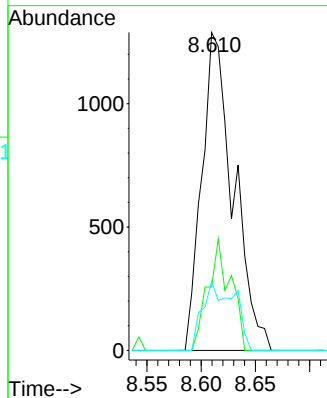
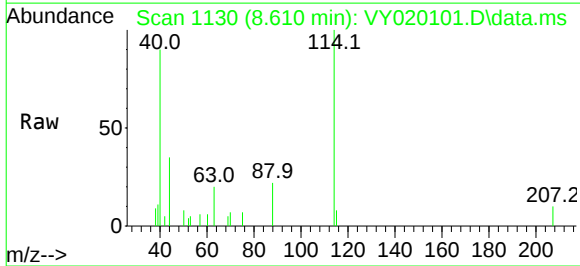
Instrument :

MSVOA\_Y

ClientSampleId :

ARS20-0001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 2610  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 19.9  | 0.0   | 35.0  |
| 88       | 21.7  | 0.0   | 27.2  |



#35

Dibromofluoromethane

Concen: 49.837 ug/l

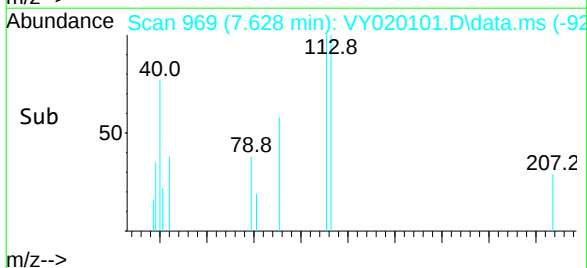
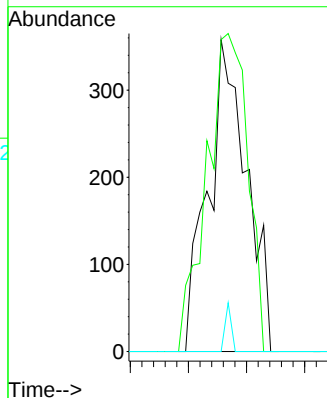
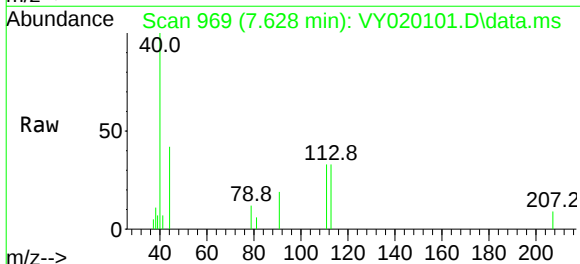
RT: 7.628 min Scan# 969

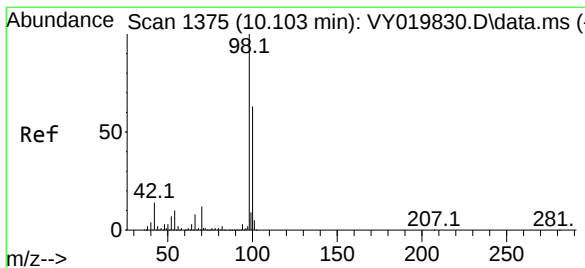
Delta R.T. -0.006 min

Lab File: VY020101.D

Acq: 31 Oct 2024 17:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 827   |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 108.1 | 82.2  | 123.4 |
| 192      | 2.4   | 15.9  | 23.9  |





#50

Toluene-d8

Concen: 37.212 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020101.D

Acq: 31 Oct 2024 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

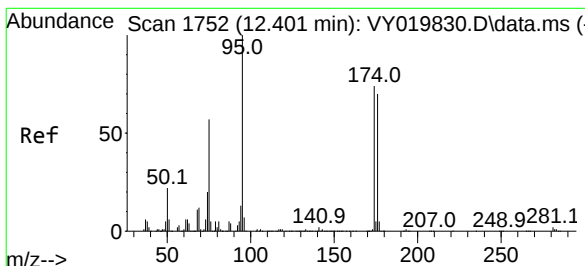
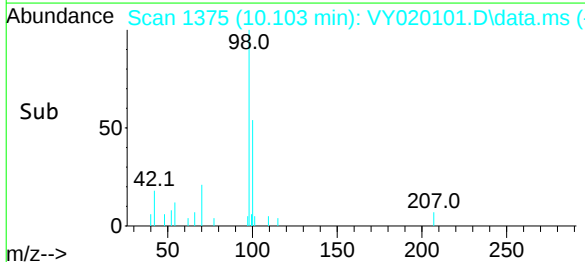
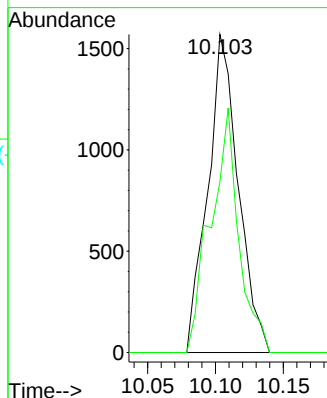
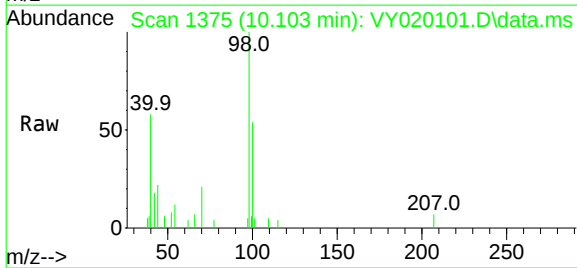
ARS20-0001

Tgt Ion: 98 Resp: 2458

Ion Ratio Lower Upper

98 100

100 71.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 25.262 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020101.D

Acq: 31 Oct 2024 17:46

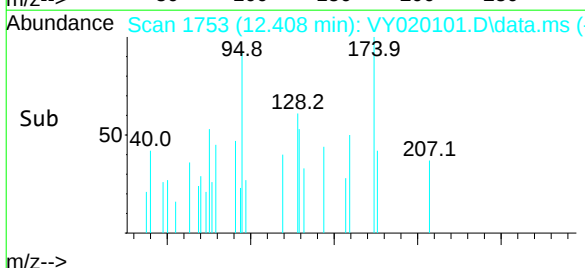
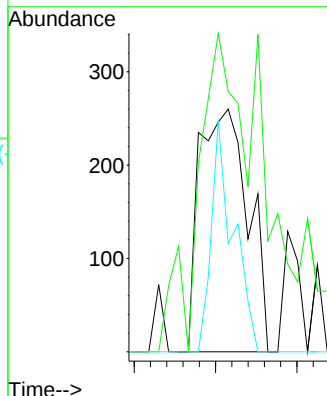
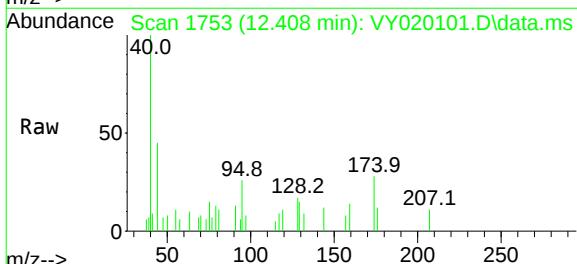
Tgt Ion: 95 Resp: 542

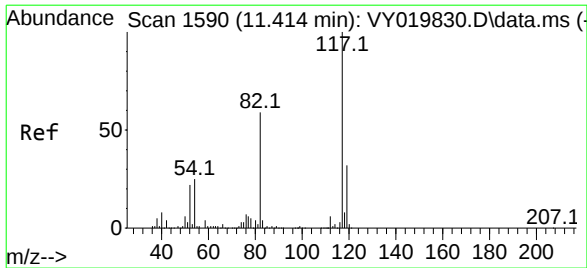
Ion Ratio Lower Upper

95 100

174 168.5 0.0 175.6

176 42.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020101.D

Acq: 31 Oct 2024 17:46

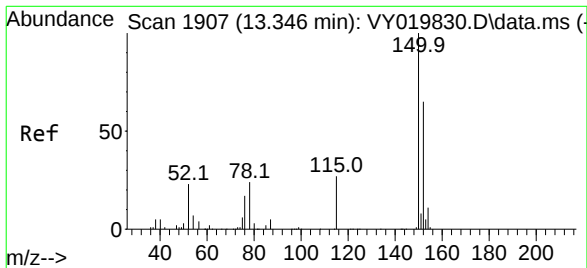
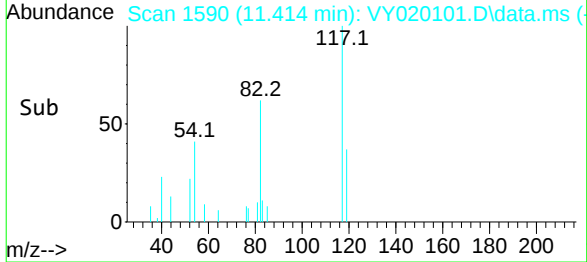
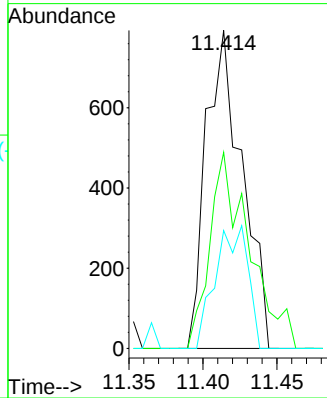
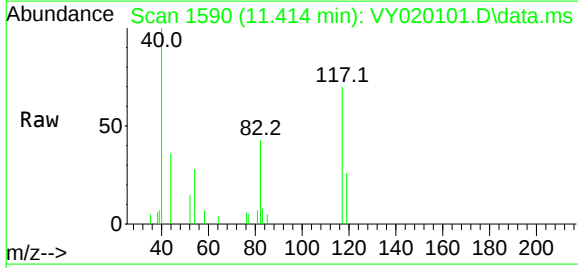
Instrument :

MSVOA\_Y

ClientSampleId :

ARS20-0001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 1346  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 61.7  | 42.4  | 63.6  |
| 119      | 37.1  | 25.9  | 38.9  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020101.D

Acq: 31 Oct 2024 17:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 403   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 78.9  | 28.2  | 84.7  |
| 150      | 93.3  | 0.0   | 345.6 |

