

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112224\  
 Data File : VY020416.D  
 Acq On : 22 Nov 2024 16:23  
 Operator : SY/MD  
 Sample : P4960-03  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW1

Quant Time: Nov 23 00:03:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.719  | 168   | 824      | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.628  | 114   | 1214     | 50.000   | ug/l  | 0.01     |
| 63) Chlorobenzene-d5        | 11.426 | 117   | 440      | 50.000   | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 72       | 50.000   | ug/l  | # 0.00   |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 544      | 57.464   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 114.920% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 446      | 57.293   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 114.580% |
| 50) Toluene-d8              | 10.121 | 98    | 1246     | 40.633   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 81.260%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 150      | 15.216   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 30.440%  |

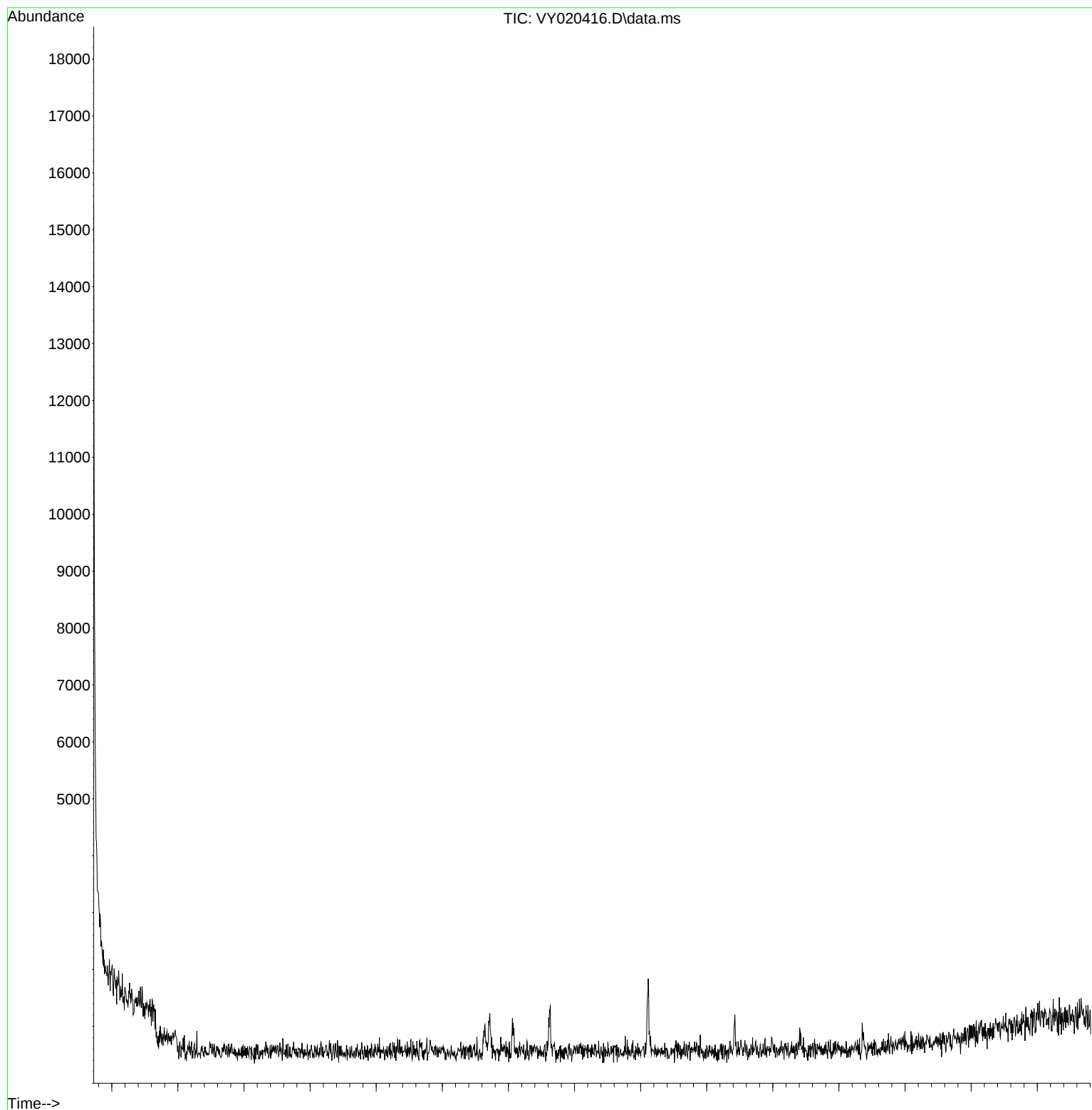
Target Compounds Qvalue

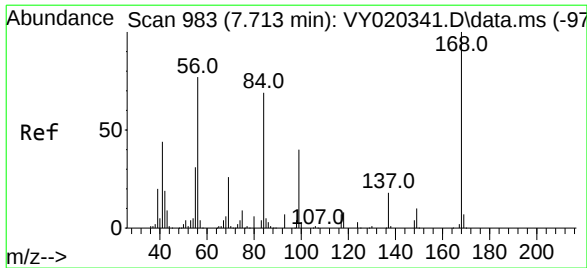
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

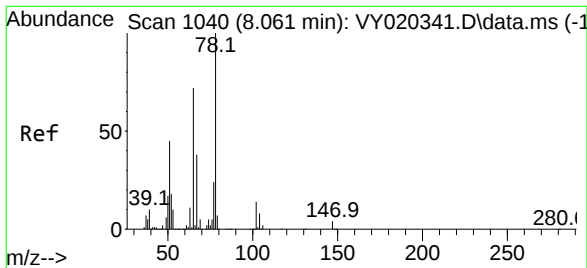
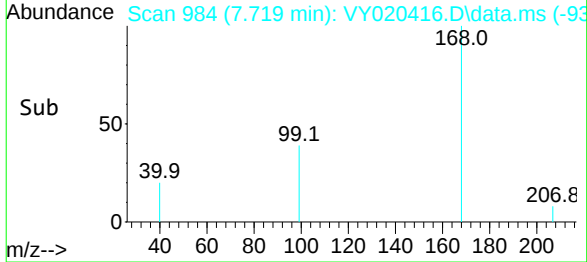
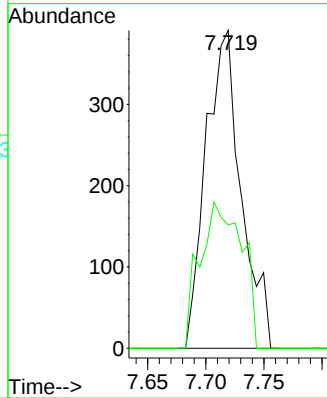
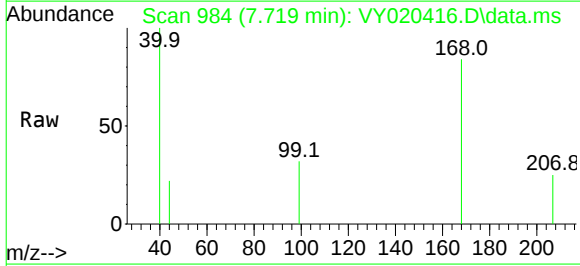




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VY020416.D  
Acq: 22 Nov 2024 16:23

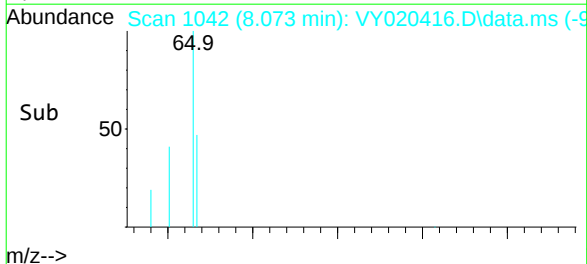
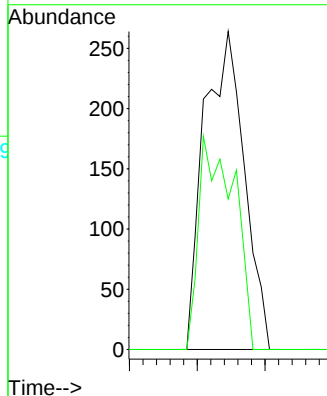
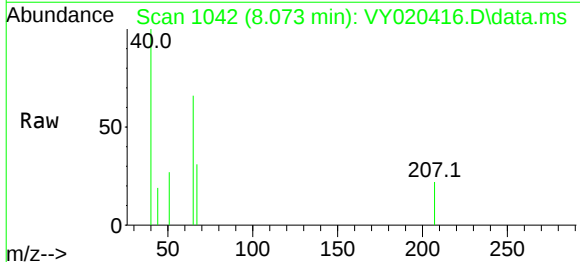
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW1

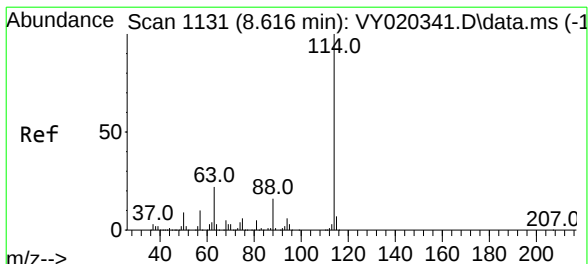
Tgt Ion:168 Resp: 824  
Ion Ratio Lower Upper  
168 100  
99 38.9 46.6 69.8#



#33  
1,2-Dichloroethane-d4  
Concen: 57.464 ug/l  
RT: 8.073 min Scan# 1042  
Delta R.T. 0.012 min  
Lab File: VY020416.D  
Acq: 22 Nov 2024 16:23

Tgt Ion: 65 Resp: 544  
Ion Ratio Lower Upper  
65 100  
67 59.4 0.0 105.8

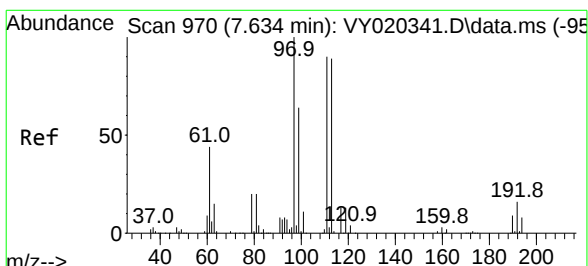
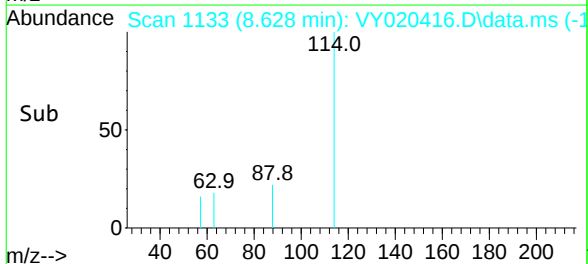
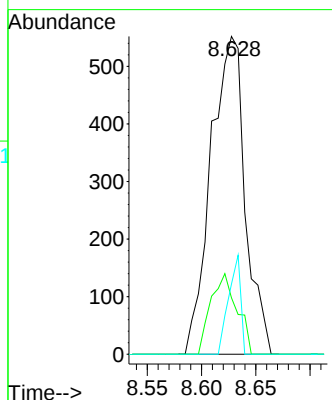
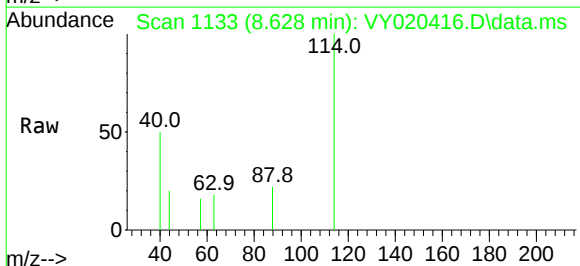




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.628 min Scan# 11  
 Delta R.T. 0.012 min  
 Lab File: VY020416.D  
 Acq: 22 Nov 2024 16:23

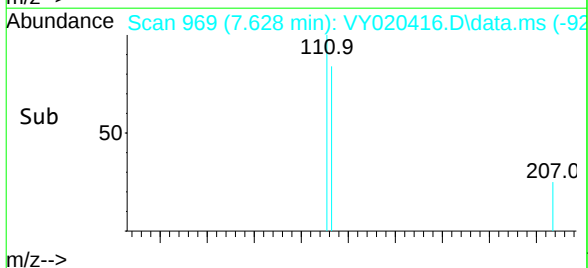
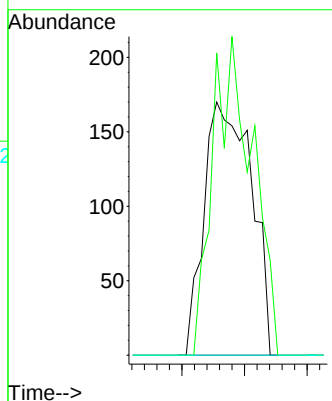
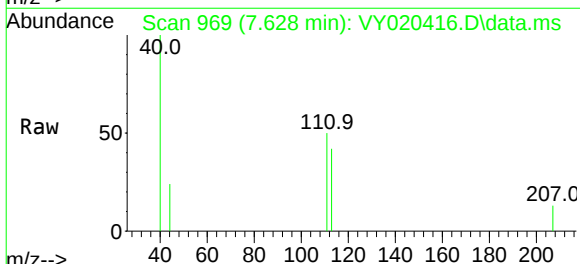
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW1

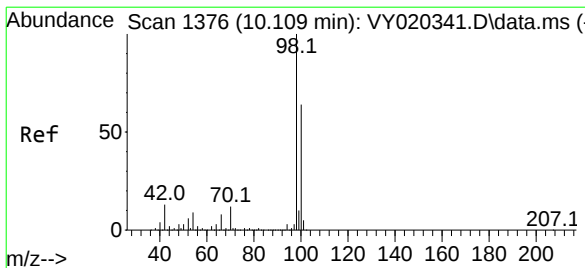
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 1214  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 17.8  | 0.0   | 44.8  |
| 88       | 22.1  | 0.0   | 32.0  |



#35  
 Dibromofluoromethane  
 Concen: 57.293 ug/l  
 RT: 7.628 min Scan# 969  
 Delta R.T. -0.006 min  
 Lab File: VY020416.D  
 Acq: 22 Nov 2024 16:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 446   |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 106.3 | 81.4  | 122.0 |
| 192      | 0.0   | 15.1  | 22.7# |





#50

Toluene-d8

Concen: 40.633 ug/l

RT: 10.121 min Scan# 13

Delta R.T. 0.012 min

Lab File: VY020416.D

Acq: 22 Nov 2024 16:23

Instrument :

MSVOA\_Y

ClientSampleId :

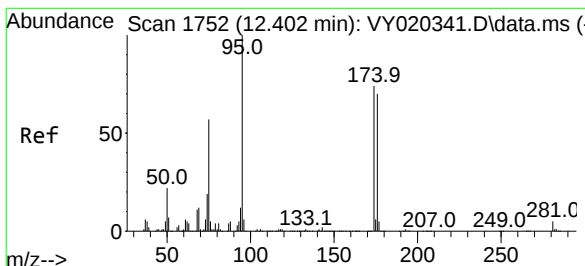
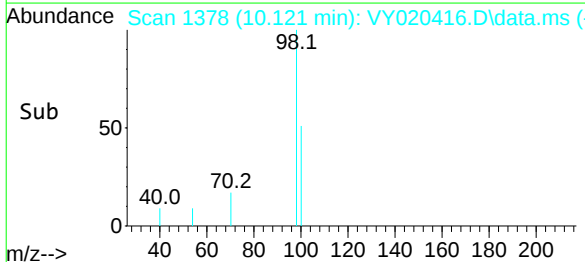
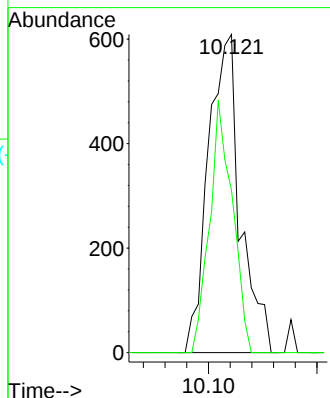
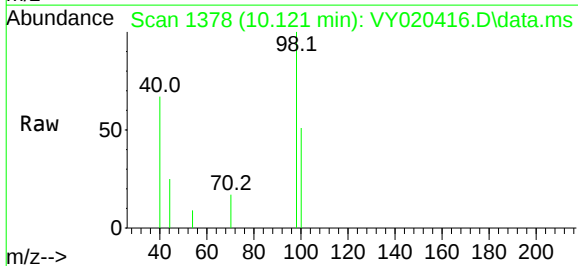
SW1

Tgt Ion: 98 Resp: 1246

Ion Ratio Lower Upper

98 100

100 56.7 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 15.216 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020416.D

Acq: 22 Nov 2024 16:23

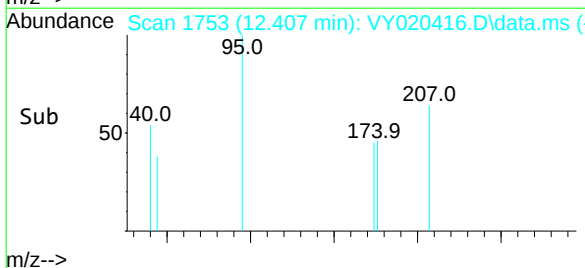
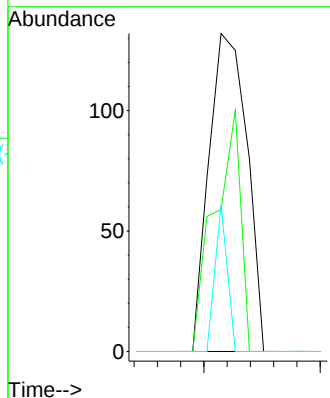
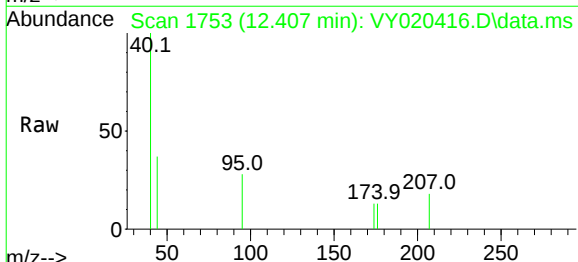
Tgt Ion: 95 Resp: 150

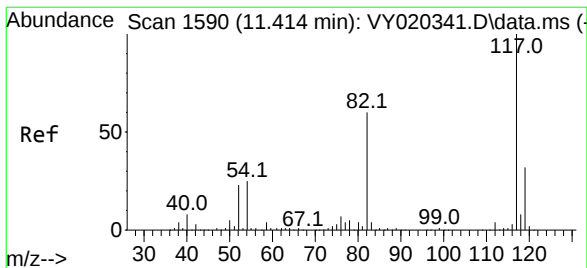
Ion Ratio Lower Upper

95 100

174 52.7 0.0 156.8

176 14.7 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 15

Delta R.T. 0.012 min

Lab File: VY020416.D

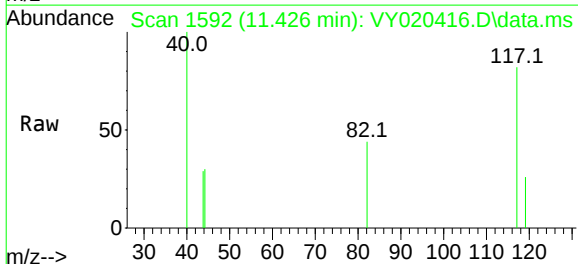
Acq: 22 Nov 2024 16:23

Instrument :

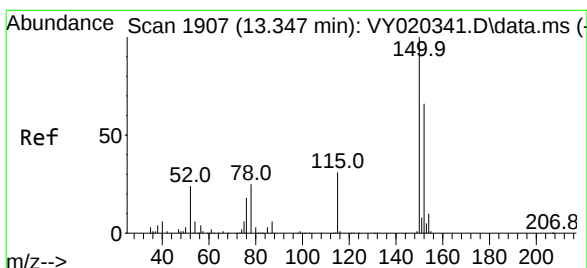
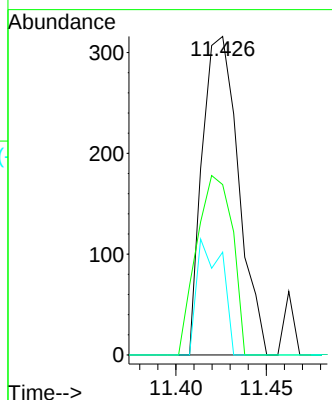
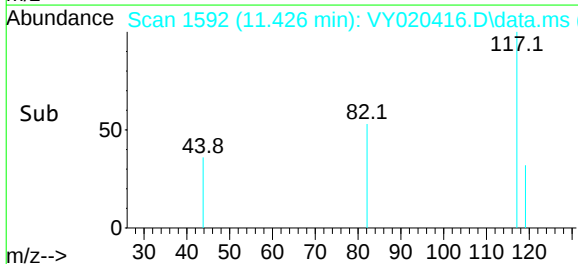
MSVOA\_Y

ClientSampleId :

SW1



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 440   |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.5  | 48.2  | 72.4  |
| 119      | 32.3  | 25.8  | 38.8  |



#72

1,4-Dichlorobenzene-d4

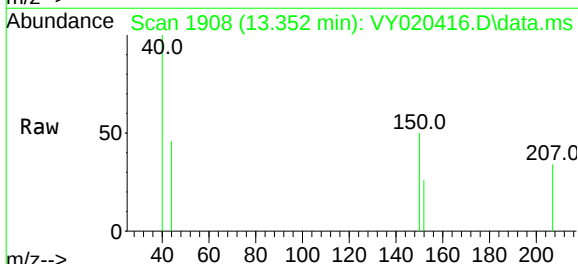
Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020416.D

Acq: 22 Nov 2024 16:23



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 72    |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 0.0   | 30.0  | 90.0# |
| 150      | 306.9 | 0.0   | 348.2 |

