

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121024\  
 Data File : VY020564.D  
 Acq On : 10 Dec 2024 13:03  
 Operator : SY/MD  
 Sample : P5216-03RE  
 Misc : 5.61g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-G-6-VOCRE

Quant Time: Dec 11 00:48:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 82174    | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 129892   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 98080    | 50.000 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 35787    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 41710    | 49.909   | ug/l | -0.01   |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.820% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 39309    | 48.071   | ug/l | -0.02   |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.140% |
| 50) Toluene-d8              | 10.103 | 98    | 150449   | 48.317   | ug/l | -0.01   |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.640% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 40664    | 37.340   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 74.680% |

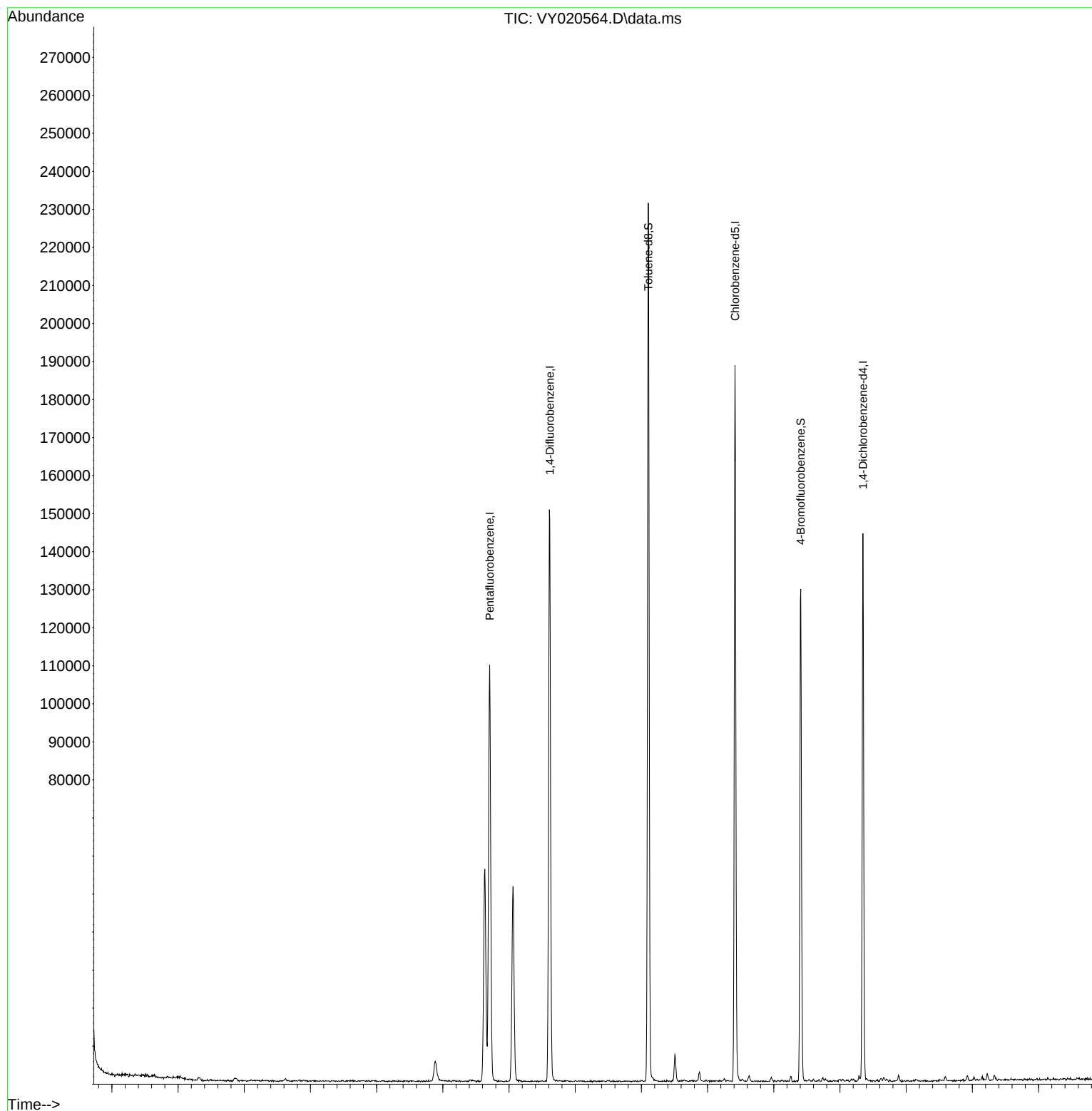
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

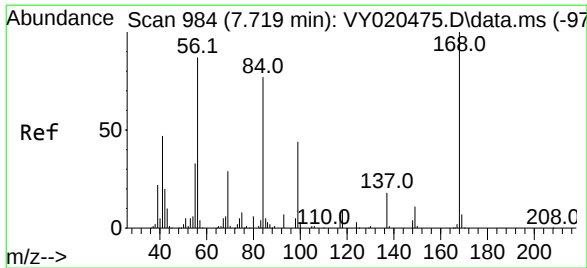
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 03 01:39:23 2024  
Response via : Initial Calibration

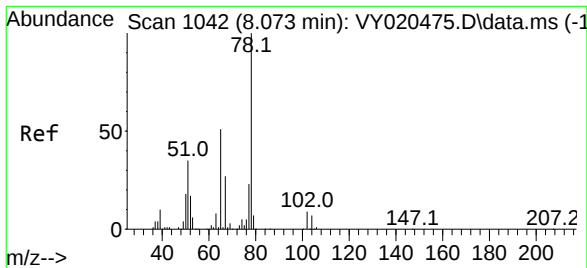
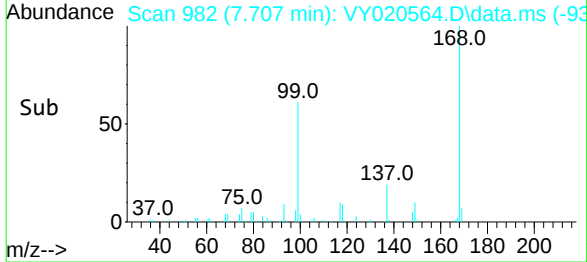
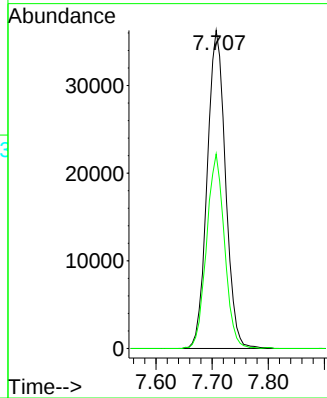
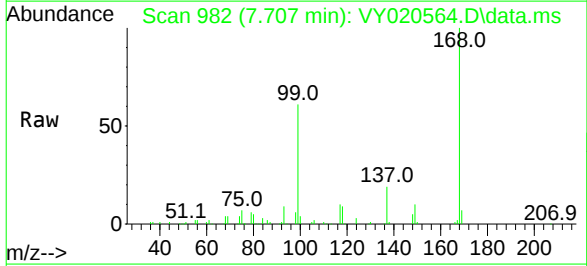




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 984  
Delta R.T. -0.012 min  
Lab File: VY020564.D  
Acq: 10 Dec 2024 13:03

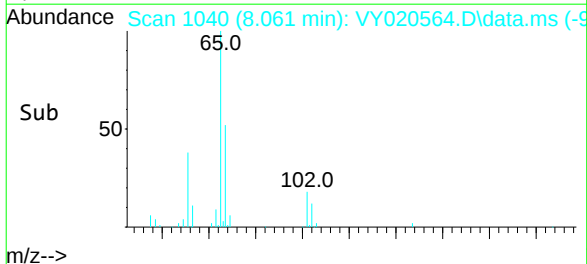
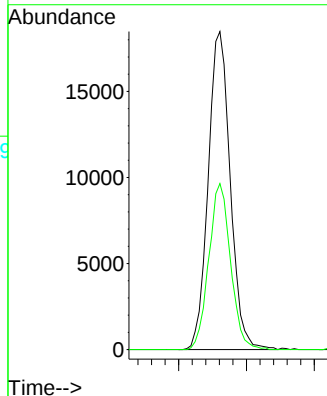
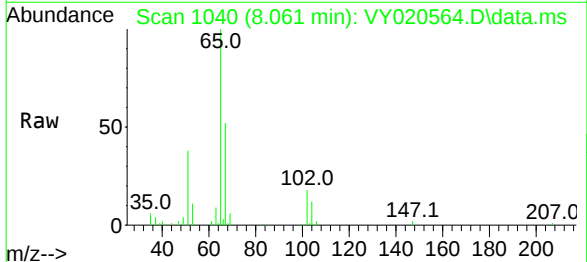
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-G-6-VOCRE

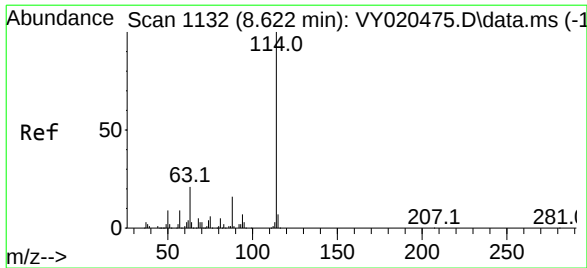
Tgt Ion:168 Resp: 82174  
Ion Ratio Lower Upper  
168 100  
99 61.2 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 49.909 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020564.D  
Acq: 10 Dec 2024 13:03

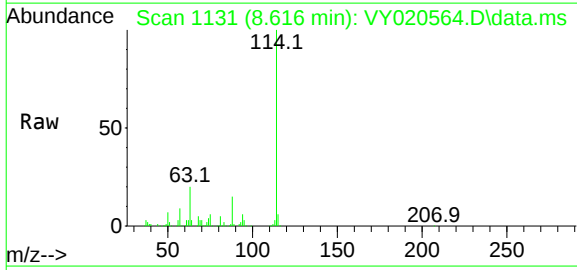
Tgt Ion: 65 Resp: 41710  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 105.8



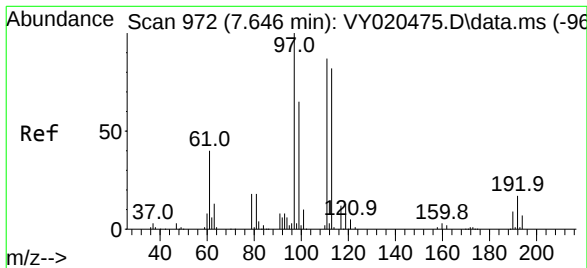
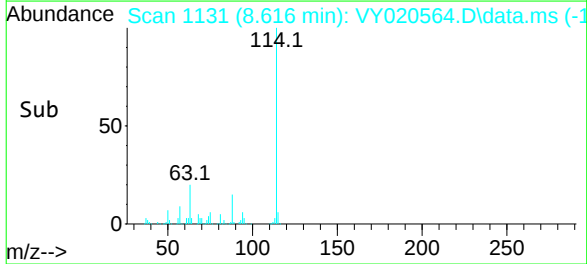
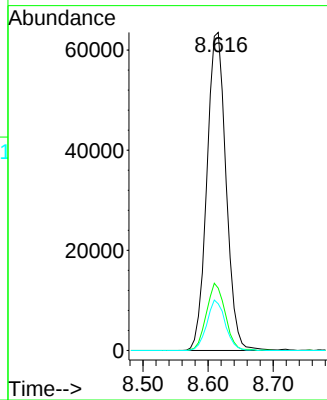


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY020564.D  
Acq: 10 Dec 2024 13:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-G-6-VOCRE

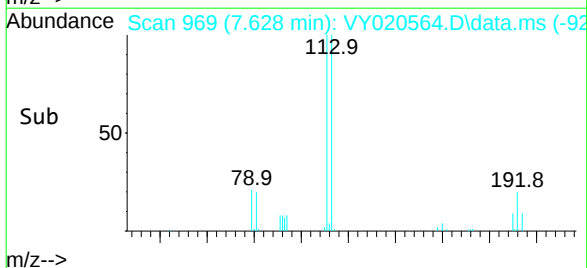
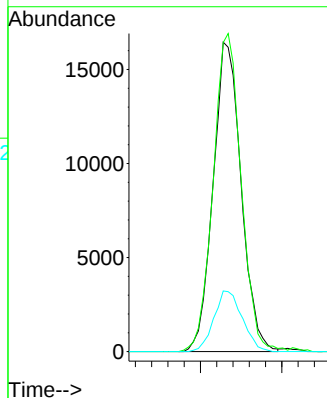
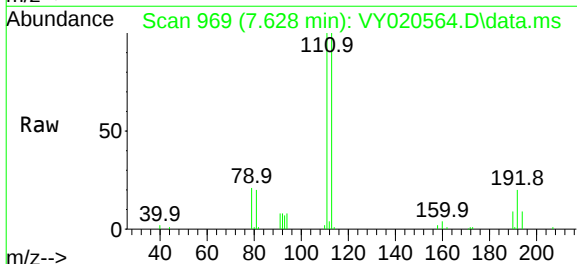


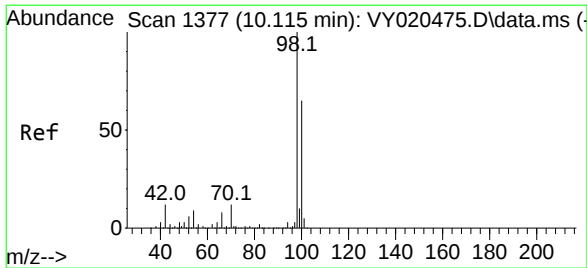
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 129892 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.6  | 0.0   | 44.8   |
| 88       | 14.7  | 0.0   | 32.0   |



#35  
Dibromofluoromethane  
Concen: 48.071 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.018 min  
Lab File: VY020564.D  
Acq: 10 Dec 2024 13:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 39309 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.5 | 81.4  | 122.0 |
| 192      | 19.8  | 15.1  | 22.7  |





#50

Toluene-d8

Concen: 48.317 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020564.D

Acq: 10 Dec 2024 13:03

Instrument :

MSVOA\_Y

ClientSampleId :

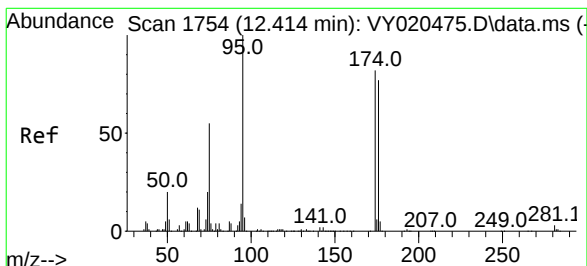
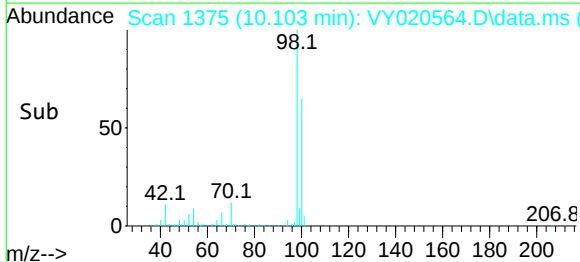
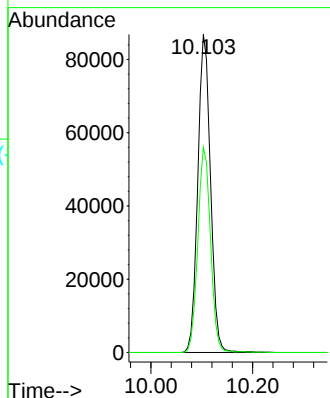
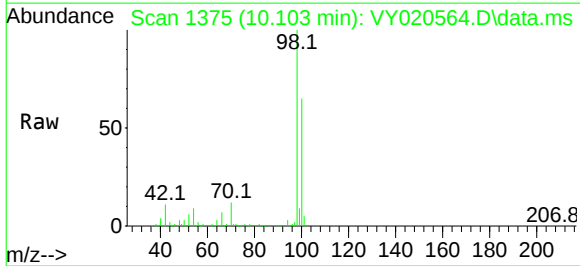
BP-G-6-VOCRE

Tgt Ion: 98 Resp: 150449

Ion Ratio Lower Upper

98 100

100 64.3 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 37.340 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020564.D

Acq: 10 Dec 2024 13:03

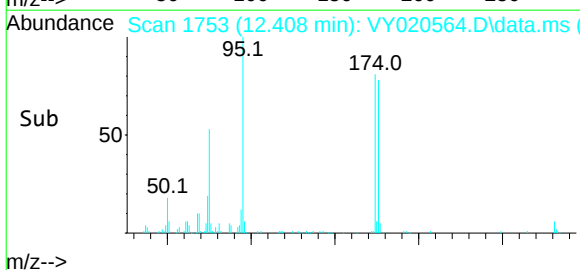
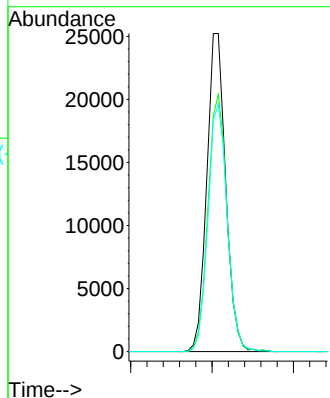
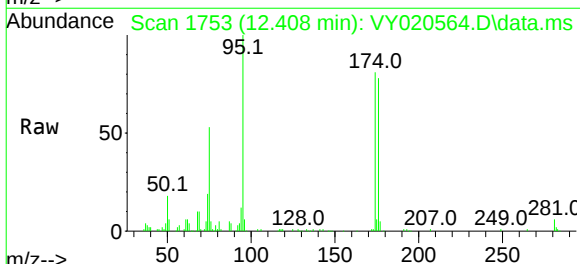
Tgt Ion: 95 Resp: 40664

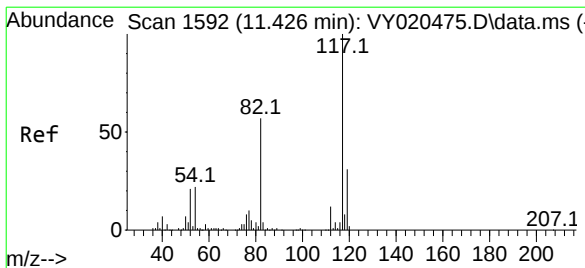
Ion Ratio Lower Upper

95 100

174 82.2 0.0 156.8

176 78.7 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.012 min

Lab File: VY020564.D

Acq: 10 Dec 2024 13:03

Instrument :

MSVOA\_Y

ClientSampleId :

BP-G-6-VOCRE

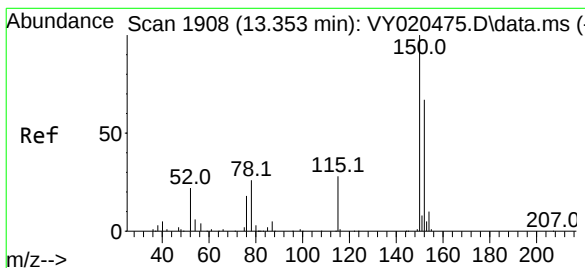
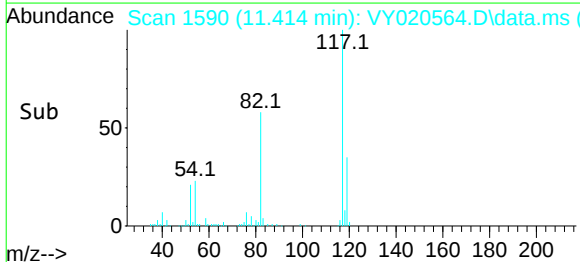
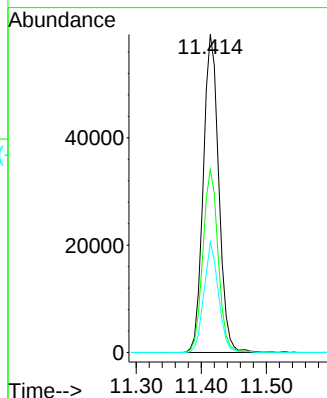
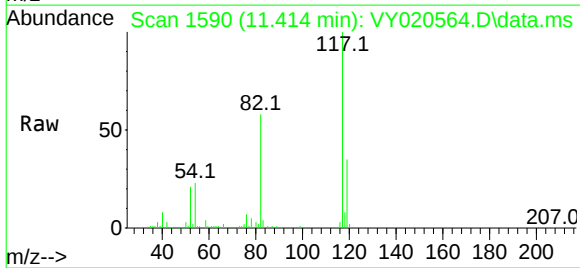
Tgt Ion:117 Resp: 98080

Ion Ratio Lower Upper

117 100

82 57.5 48.2 72.4

119 34.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY020564.D

Acq: 10 Dec 2024 13:03

Tgt Ion:152 Resp: 35787

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

150 155.8 0.0 348.2

