

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100124\  
 Data File : VY019749.D  
 Acq On : 01 Oct 2024 18:21  
 Operator : SY/MD  
 Sample : P4234-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-02-093024

Quant Time: Oct 02 03:18:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 294830   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 562697   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 498509   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.340 | 152   | 182833   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 173599   | 63.588   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 127.180% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 176378   | 55.284   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.560% |          |
| 50) Toluene-d8              | 10.103 | 98    | 666164   | 56.452   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 112.900% |          |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 218834   | 48.229   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 96.460%  |          |

Target Compounds Qvalue

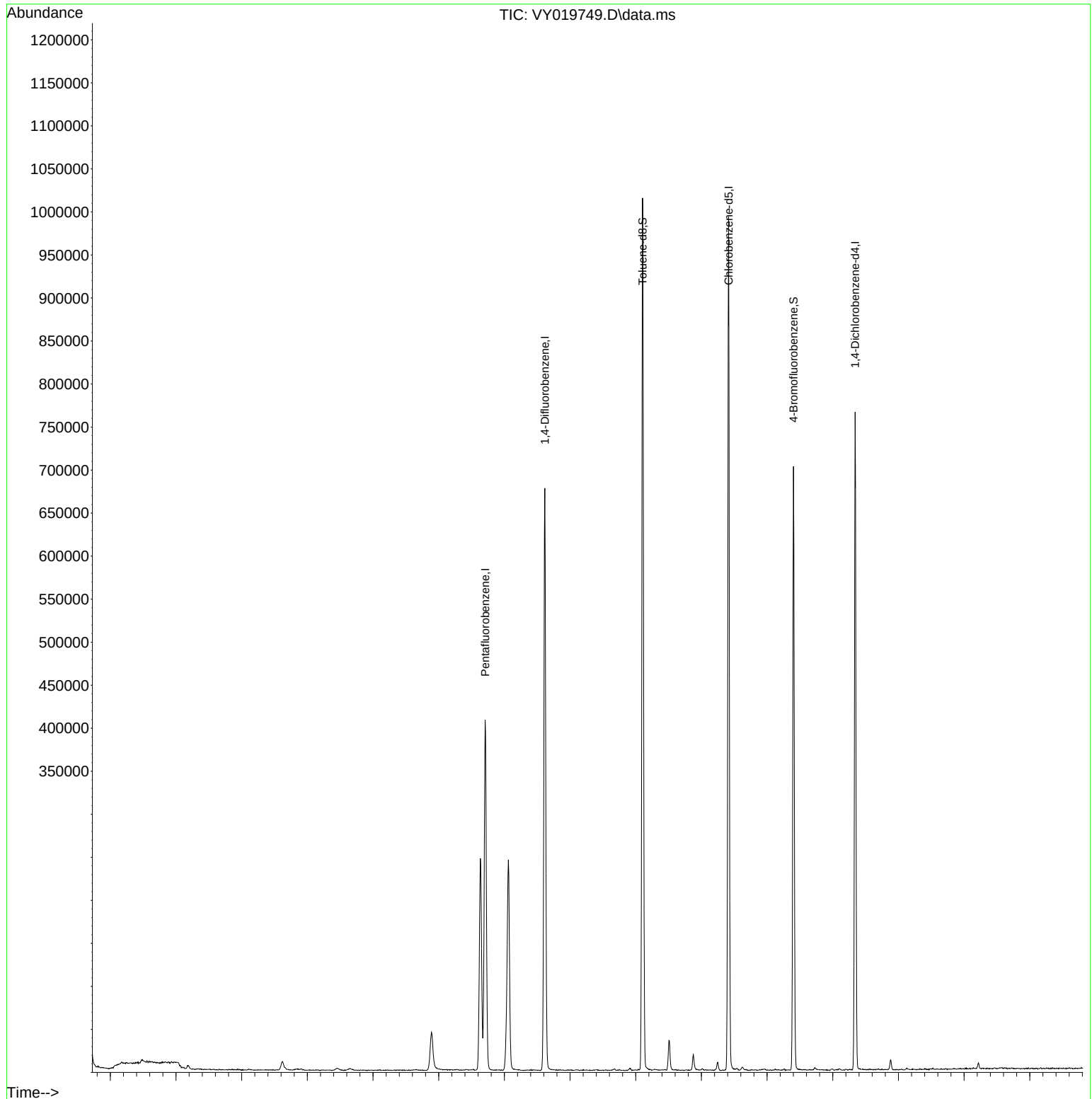
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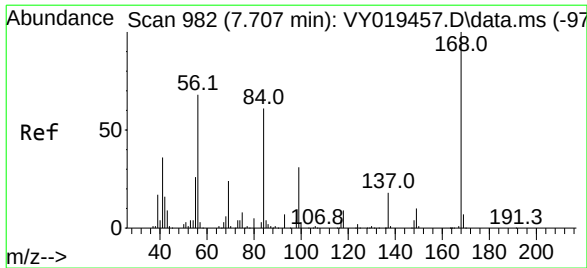
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-093024

Quant Time: Oct 02 03:18:19 2024  
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Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

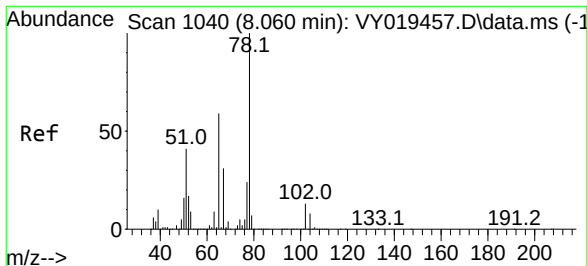
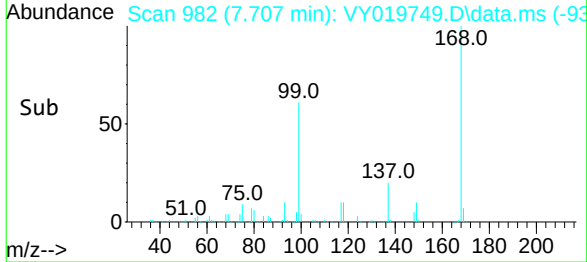
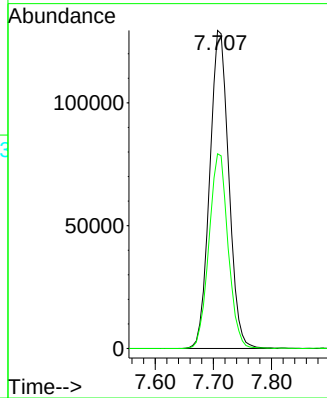
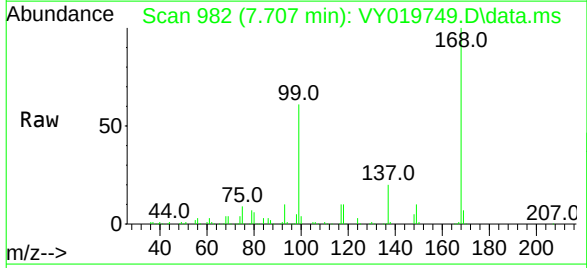




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY019749.D  
Acq: 01 Oct 2024 18:21

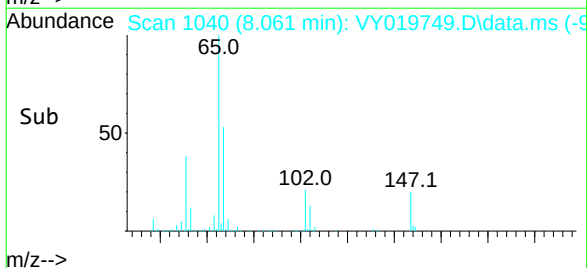
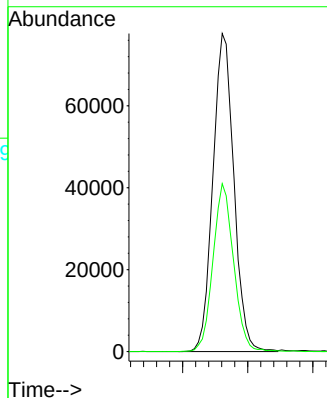
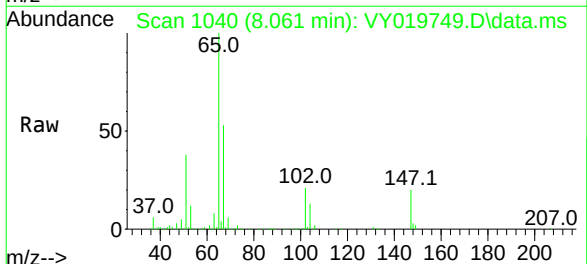
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-093024

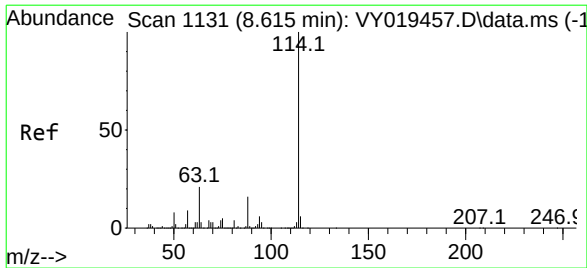
Tgt Ion:168 Resp: 294830  
Ion Ratio Lower Upper  
168 100  
99 61.2 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 63.588 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019749.D  
Acq: 01 Oct 2024 18:21

Tgt Ion: 65 Resp: 173599  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 109.6

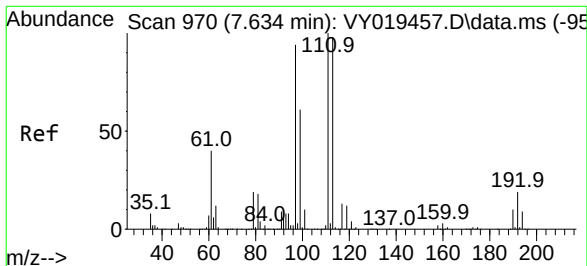
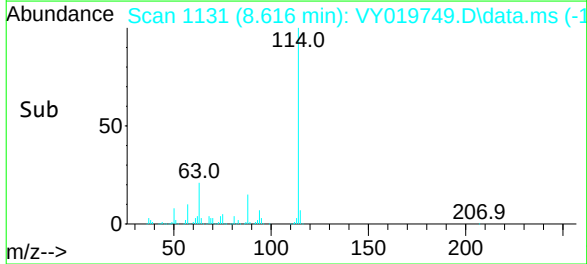
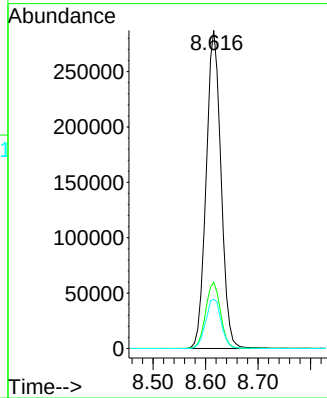
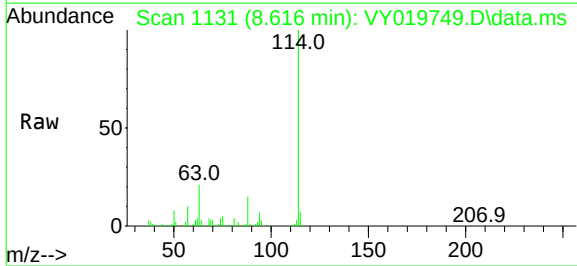




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019749.D  
Acq: 01 Oct 2024 18:21

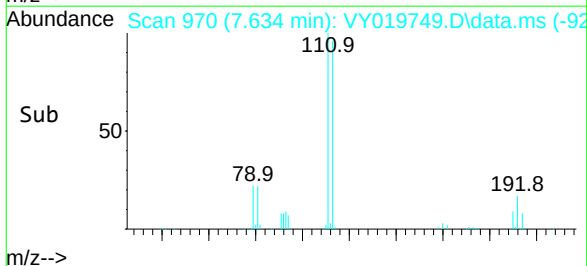
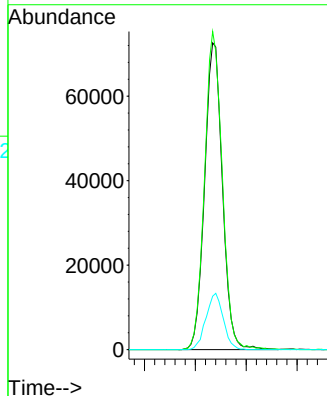
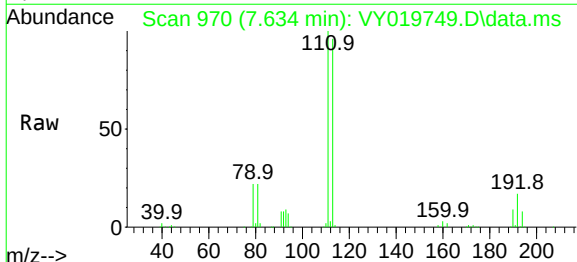
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-093024

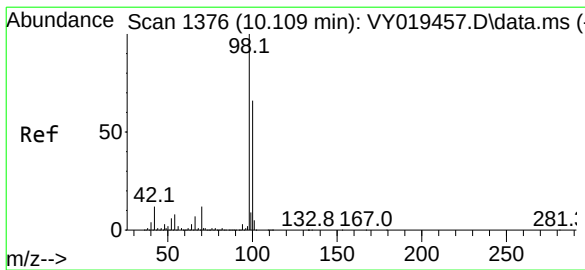
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 562697 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.8  | 0.0   | 35.0   |
| 88       | 15.5  | 0.0   | 27.2   |



#35  
Dibromofluoromethane  
Concen: 55.284 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY019749.D  
Acq: 01 Oct 2024 18:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 176378 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.2 | 82.2  | 123.4  |
| 192      | 17.8  | 15.9  | 23.9   |





#50

Toluene-d8

Concen: 56.452 ug/l

RT: 10.103 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY019749.D

Acq: 01 Oct 2024 18:21

Instrument :

MSVOA\_Y

ClientSampleId :

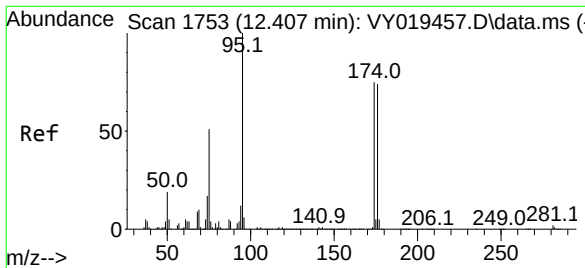
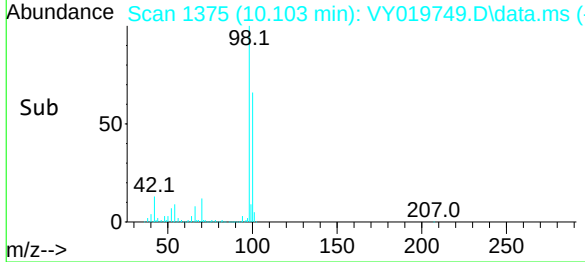
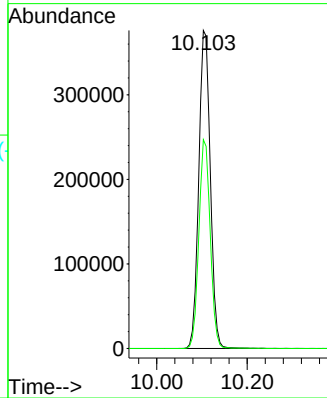
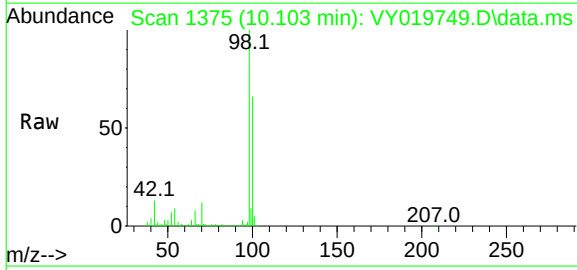
EO-02-093024

Tgt Ion: 98 Resp: 666164

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.229 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019749.D

Acq: 01 Oct 2024 18:21

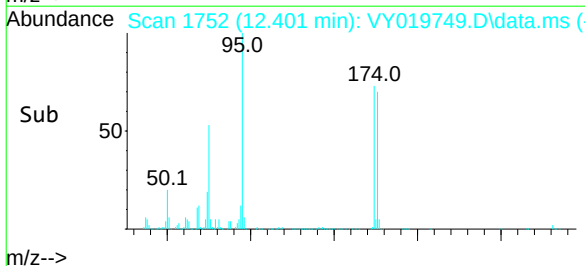
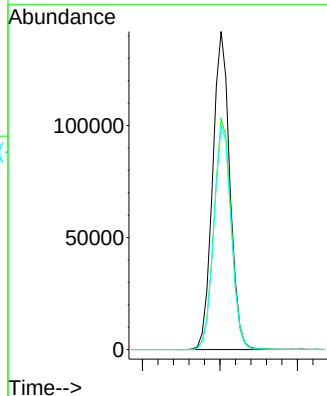
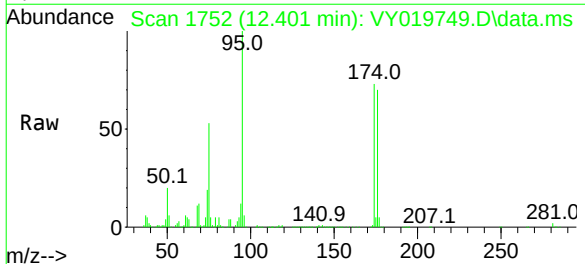
Tgt Ion: 95 Resp: 218834

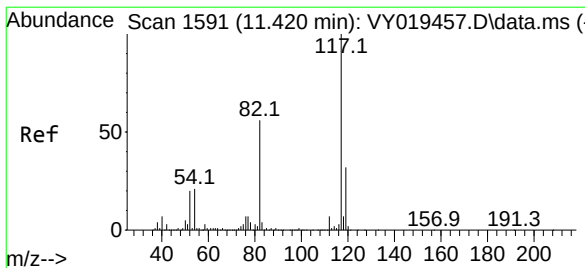
Ion Ratio Lower Upper

95 100

174 73.6 0.0 175.6

176 71.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY019749.D

Acq: 01 Oct 2024 18:21

Instrument :

MSVOA\_Y

ClientSampleId :

EO-02-093024

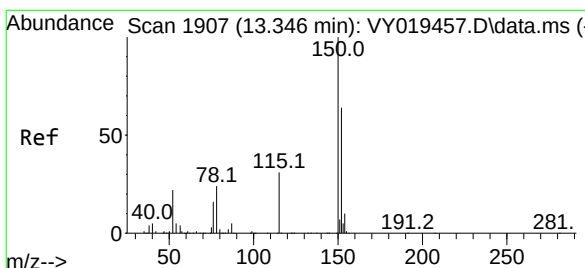
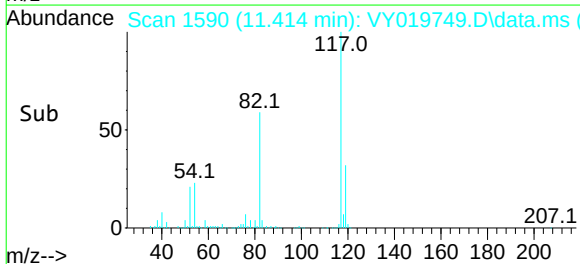
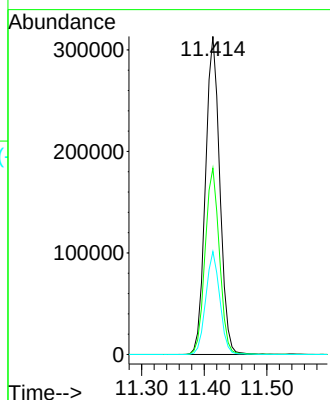
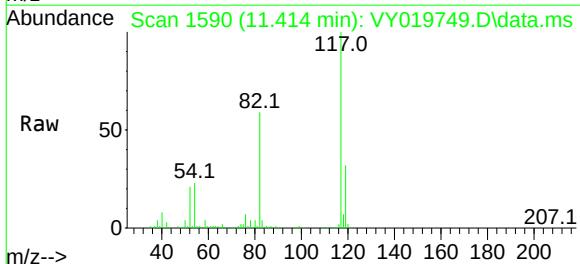
Tgt Ion:117 Resp: 498509

Ion Ratio Lower Upper

117 100

82 58.6 42.4 63.6

119 32.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019749.D

Acq: 01 Oct 2024 18:21

Tgt Ion:152 Resp: 182833

Ion Ratio Lower Upper

152 100

115 62.3 28.2 84.7

150 157.3 0.0 345.6

