

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121222\  
 Data File : VY011778.D  
 Acq On : 12 Dec 2022 17:50  
 Operator : KP/MD  
 Sample : N6024-04  
 Misc : 3.77g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-21

Quant Time: Dec 13 00:20:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120922S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 10 04:19:59 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 275941   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 466255   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 417967   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 192103   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 101546   | 54.345   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.680% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 102548   | 49.461   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.920%  |
| 50) Toluene-d8              | 10.179 | 98    | 300092   | 43.294   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 86.580%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 117087   | 42.642   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 85.280%  |

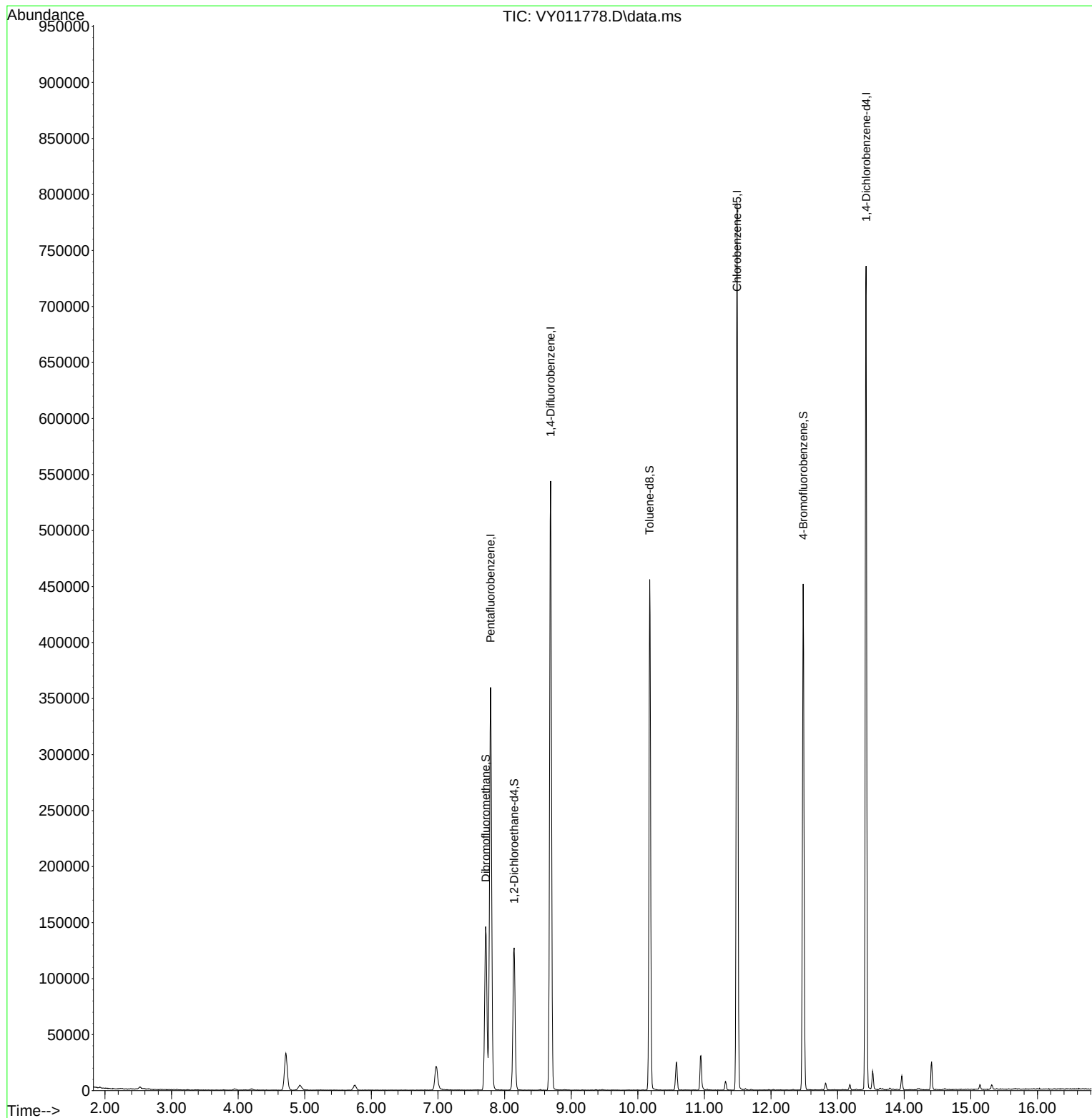
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

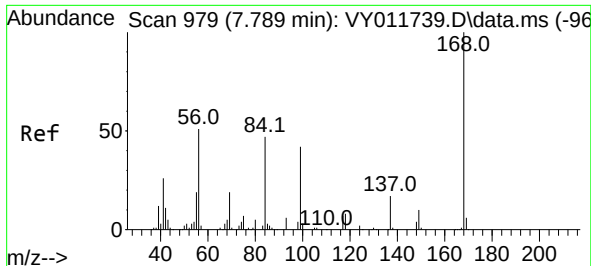
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 10 04:19:59 2022  
Response via : Initial Calibration

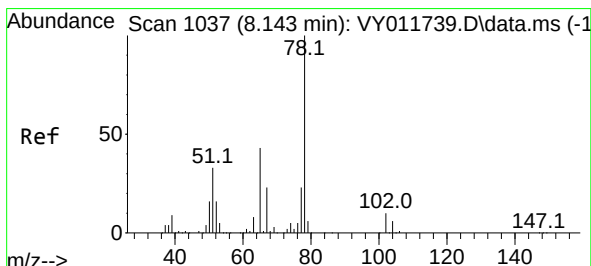
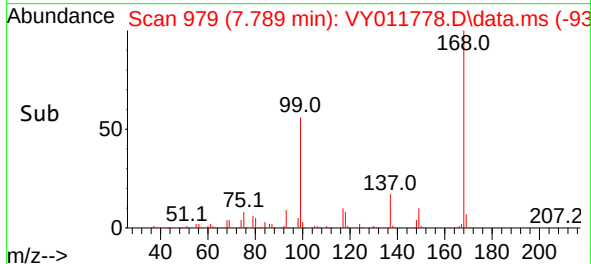
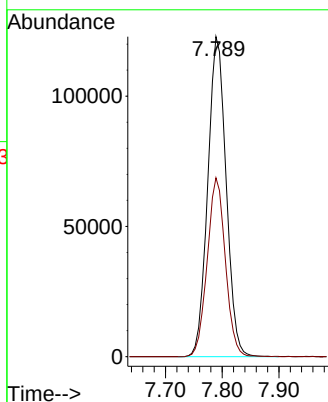
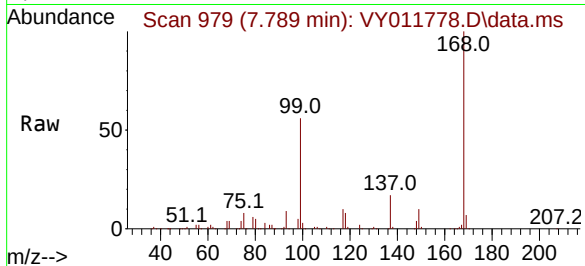




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011778.D  
Acq: 12 Dec 2022 17:50

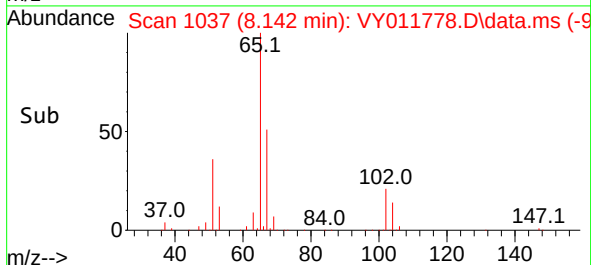
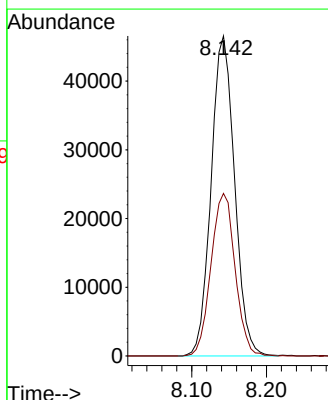
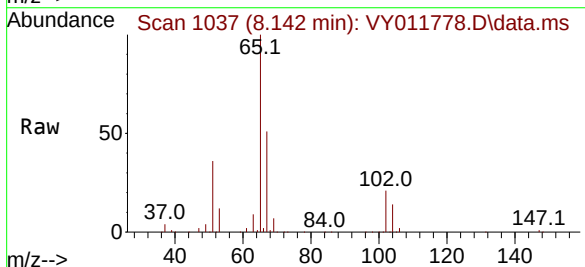
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21

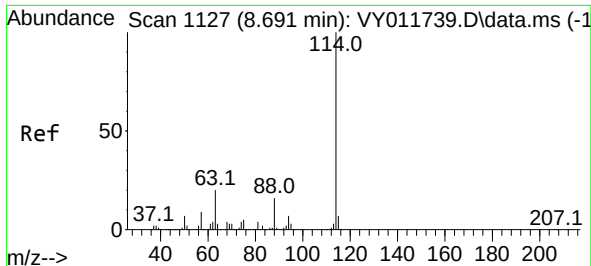
Tgt Ion:168 Resp: 275941  
Ion Ratio Lower Upper  
168 100  
99 55.9 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.345 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011778.D  
Acq: 12 Dec 2022 17:50

Tgt Ion: 65 Resp: 101546  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 103.2

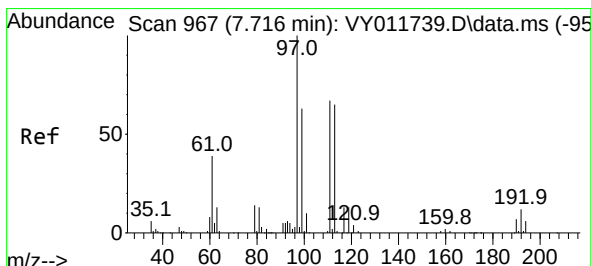
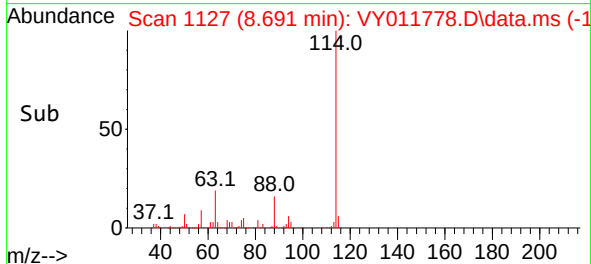
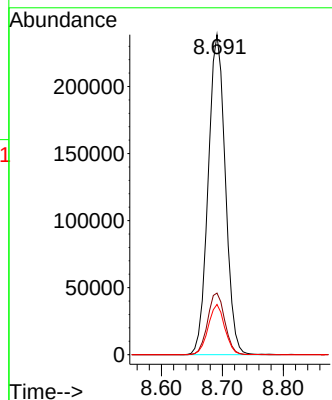
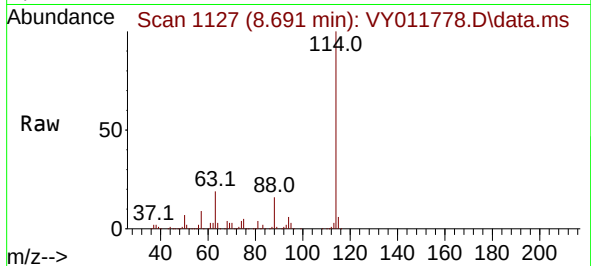




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY011778.D  
Acq: 12 Dec 2022 17:50

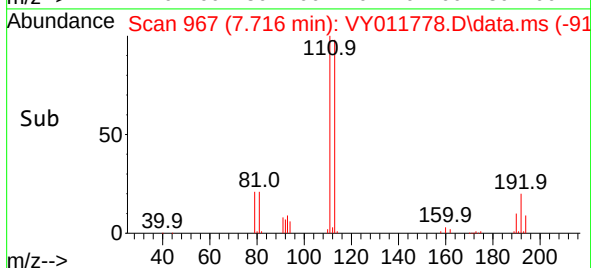
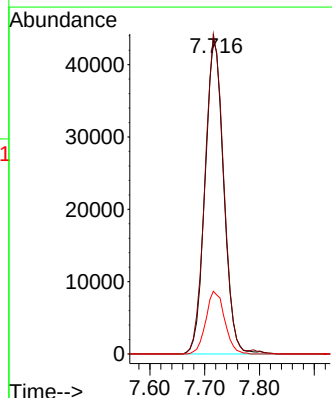
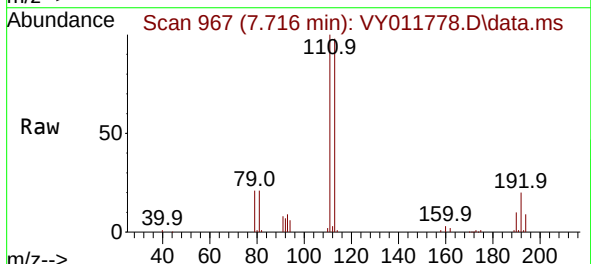
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-21

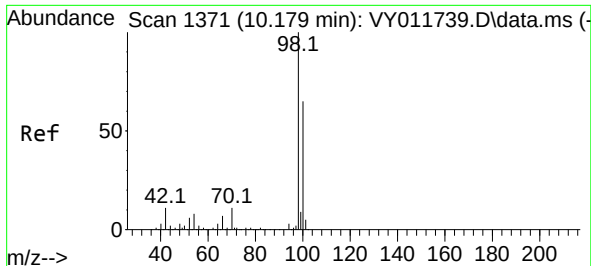
|             |               |
|-------------|---------------|
| Tgt Ion:114 | Resp: 466255  |
| Ion Ratio   | Lower Upper   |
| 114         | 100           |
| 63          | 19.2 0.0 39.6 |
| 88          | 15.7 0.0 32.2 |



#35  
Dibromofluoromethane  
Concen: 49.461 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY011778.D  
Acq: 12 Dec 2022 17:50

|             |                  |
|-------------|------------------|
| Tgt Ion:113 | Resp: 102548     |
| Ion Ratio   | Lower Upper      |
| 113         | 100              |
| 111         | 101.6 83.0 124.4 |
| 192         | 20.1 16.0 24.0   |

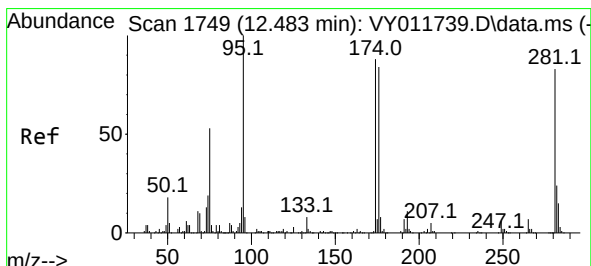
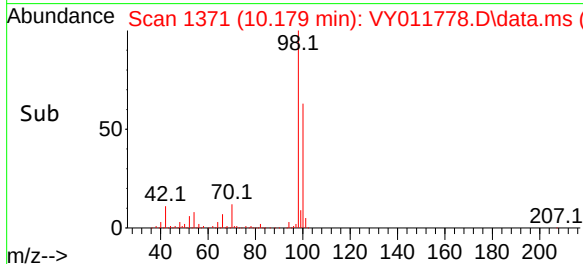
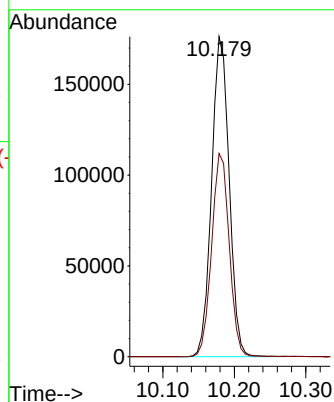
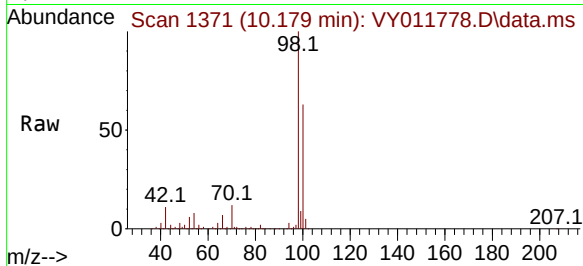




#50  
Toluene-d8  
Concen: 43.294 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011778.D  
Acq: 12 Dec 2022 17:50

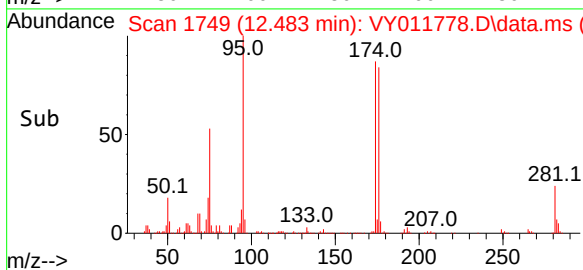
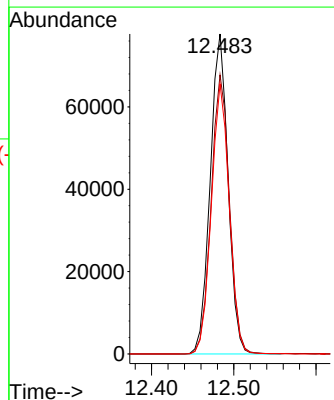
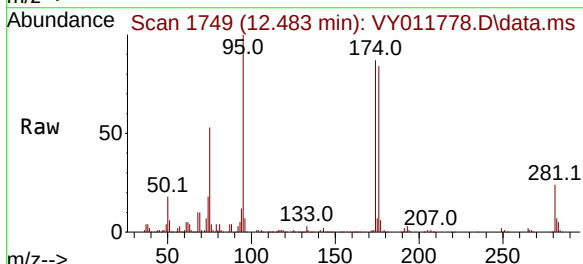
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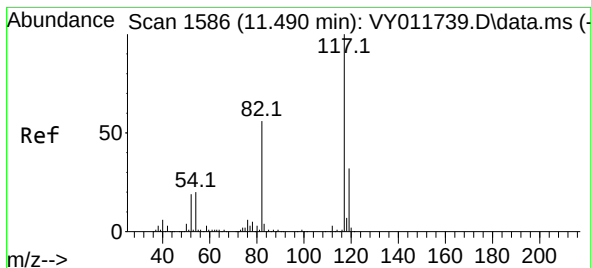
Tgt Ion: 98 Resp: 300092  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 42.642 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011778.D  
Acq: 12 Dec 2022 17:50

Tgt Ion: 95 Resp: 117087  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 172.0  
176 84.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY011778.D

Acq: 12 Dec 2022 17:50

Instrument :

MSVOA\_Y

ClientSampleId :

MH-21

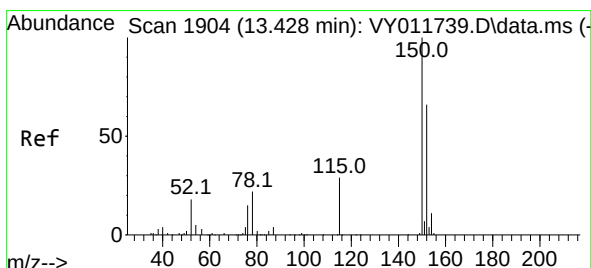
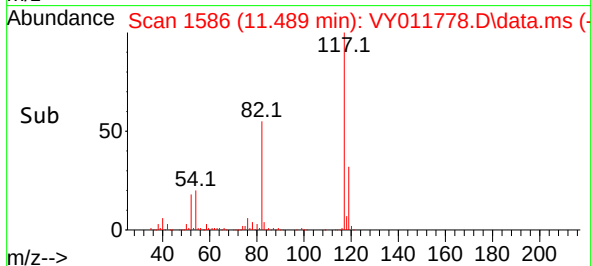
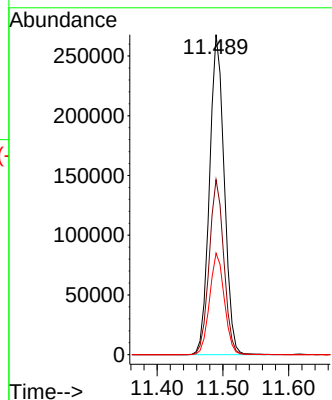
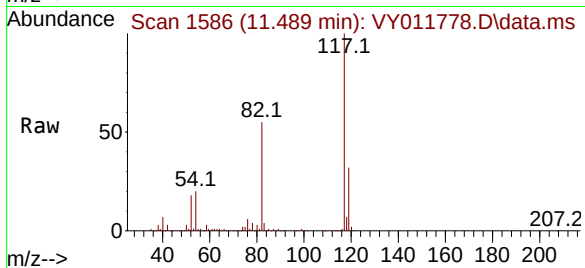
Tgt Ion:117 Resp: 417967

Ion Ratio Lower Upper

117 100

82 54.7 44.8 67.2

119 31.7 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011778.D

Acq: 12 Dec 2022 17:50

Tgt Ion:152 Resp: 192103

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 156.5 0.0 342.6

