

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081324\  
 Data File : VY019028.D  
 Acq On : 13 Aug 2024 14:41  
 Operator : SY/MD  
 Sample : P3519-09RE  
 Misc : 4.57g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-20-080724RE

Quant Time: Aug 14 07:49:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.701  | 168   | 50055    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.603  | 114   | 86442    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 72097    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 21977    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 22623    | 51.477   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 102.960% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 26542    | 48.075   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 96.160%  |
| 50) Toluene-d8              | 10.103 | 98    | 99207    | 46.782   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 93.560%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 21602    | 34.336   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 68.680%  |

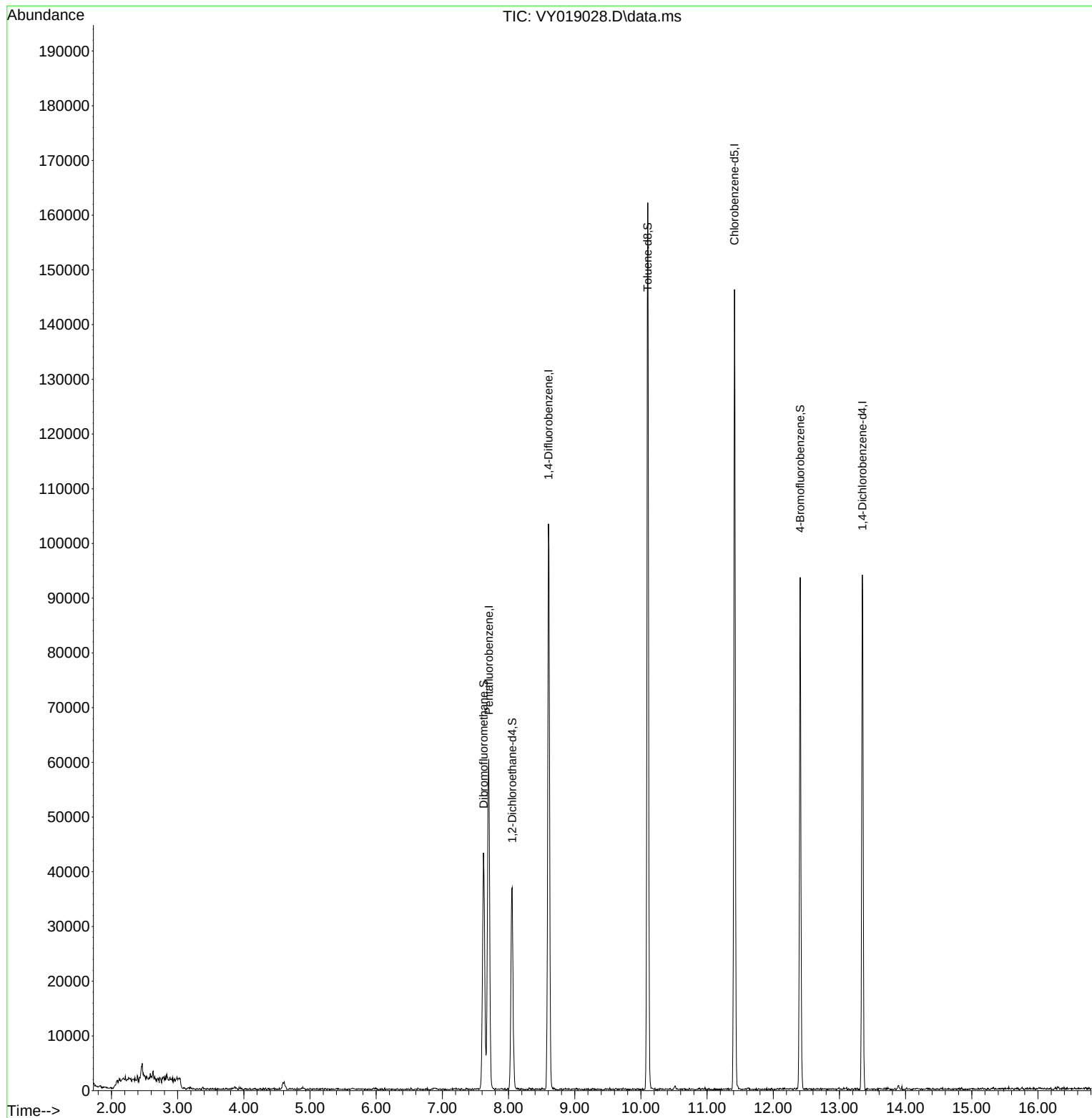
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

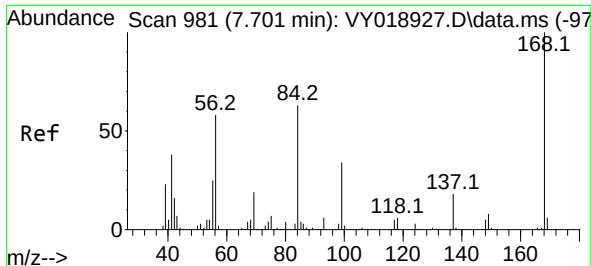
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

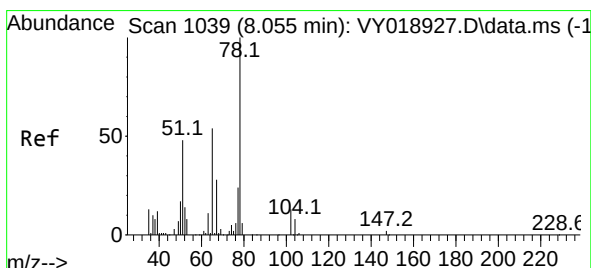
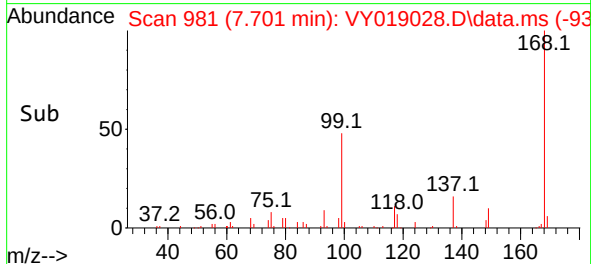
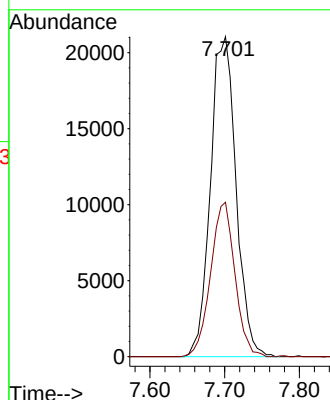
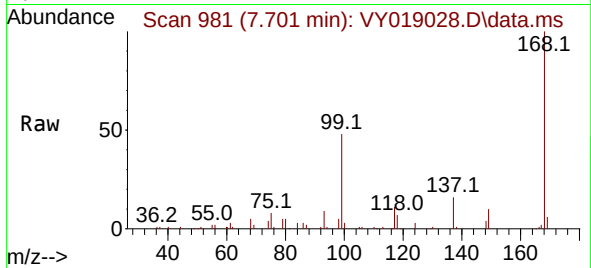




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY019028.D  
Acq: 13 Aug 2024 14:41

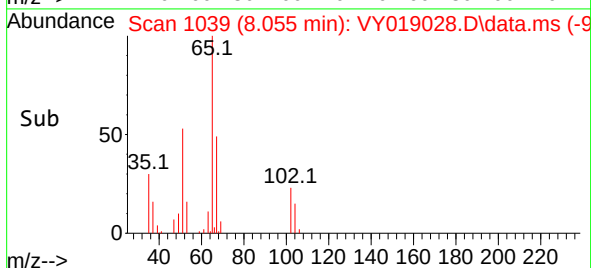
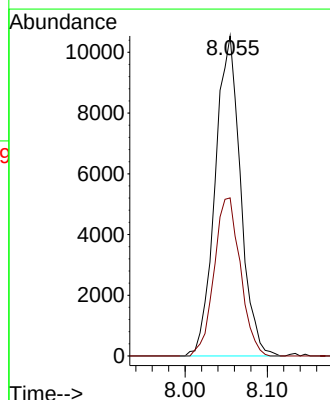
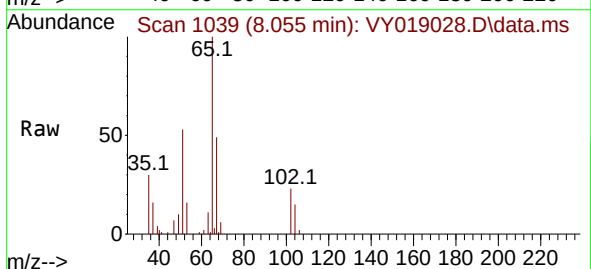
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-20-080724RE

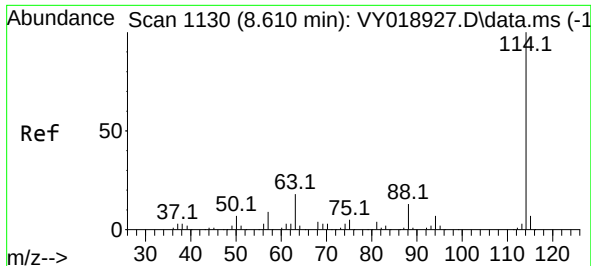
Tgt Ion:168 Resp: 50055  
Ion Ratio Lower Upper  
168 100  
99 48.3 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.477 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY019028.D  
Acq: 13 Aug 2024 14:41

Tgt Ion: 65 Resp: 22623  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-20-080724RE

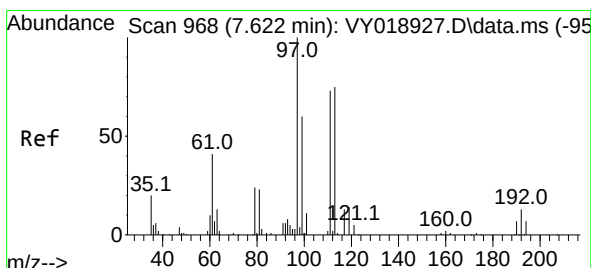
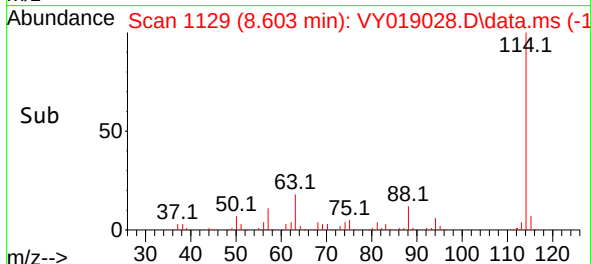
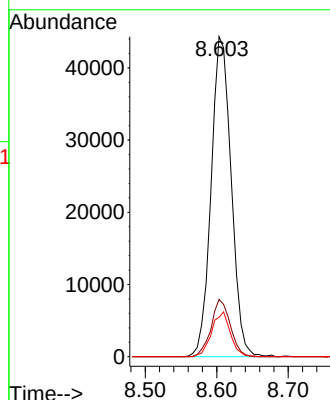
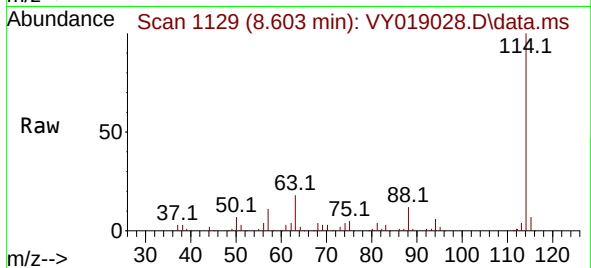
Tgt Ion:114 Resp: 86442

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 12.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.075 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

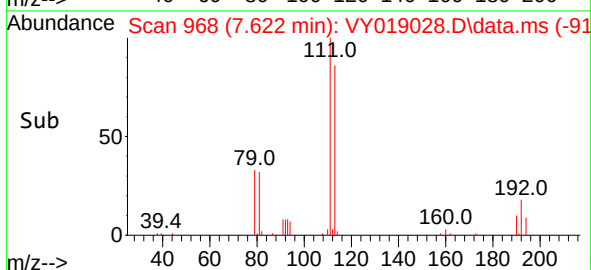
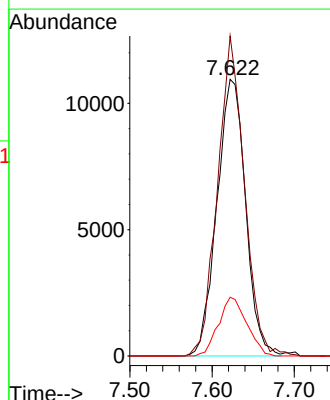
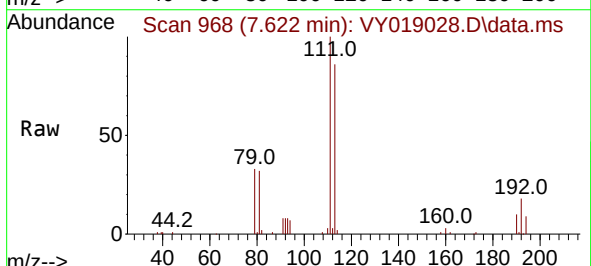
Tgt Ion:113 Resp: 26542

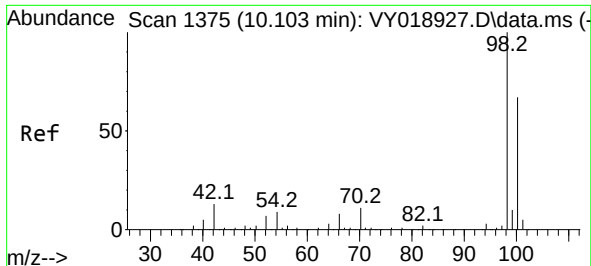
Ion Ratio Lower Upper

113 100

111 108.0 82.2 123.4

192 20.9 15.9 23.9

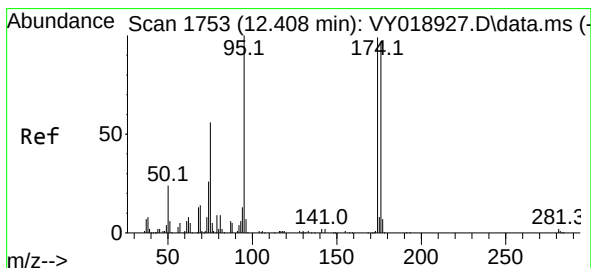
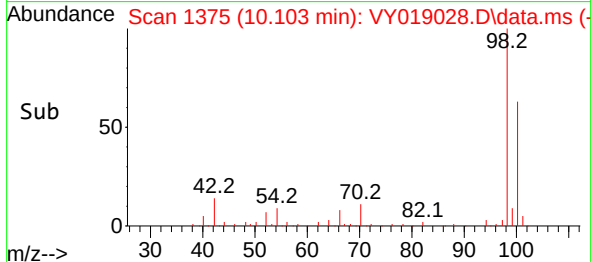
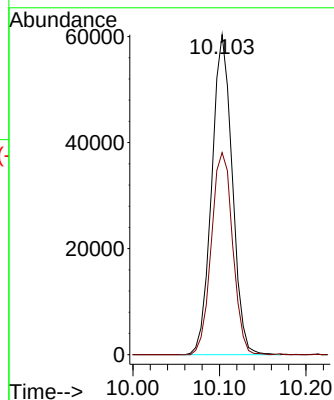
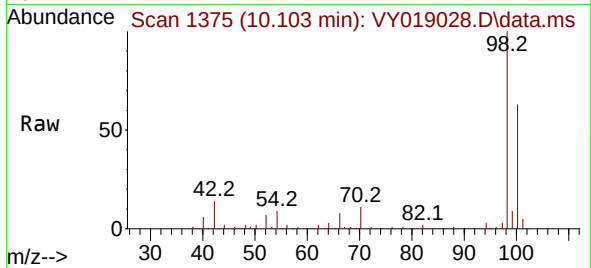




#50  
Toluene-d8  
Concen: 46.782 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY019028.D  
Acq: 13 Aug 2024 14:41

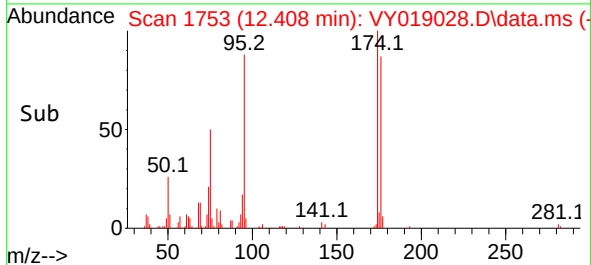
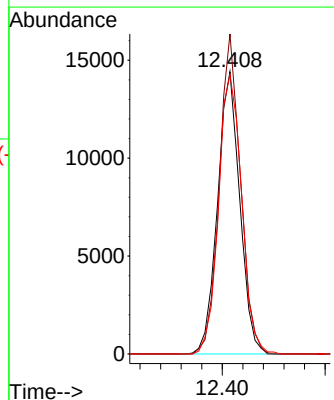
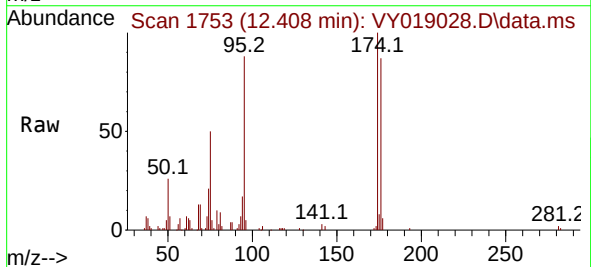
Instrument :  
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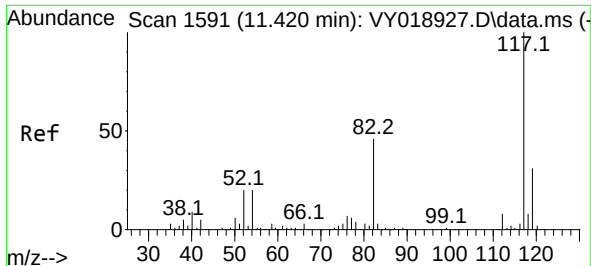
Tgt Ion: 98 Resp: 99207  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 34.336 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY019028.D  
Acq: 13 Aug 2024 14:41

Tgt Ion: 95 Resp: 21602  
Ion Ratio Lower Upper  
95 100  
174 108.0 0.0 175.6  
176 102.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-20-080724RE

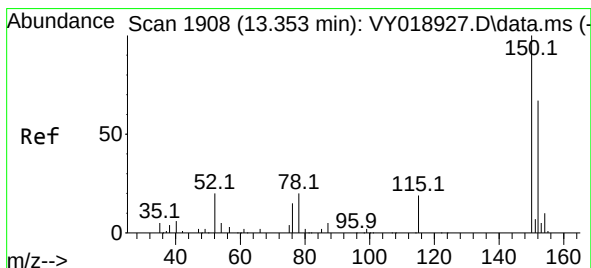
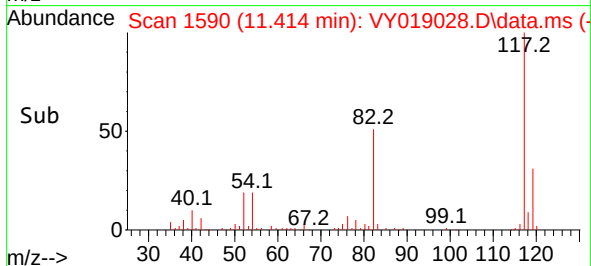
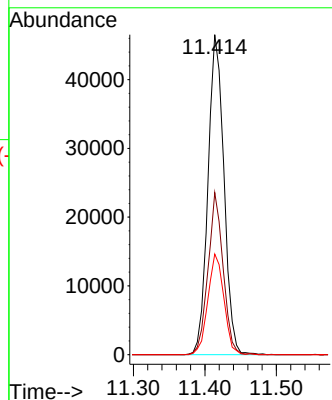
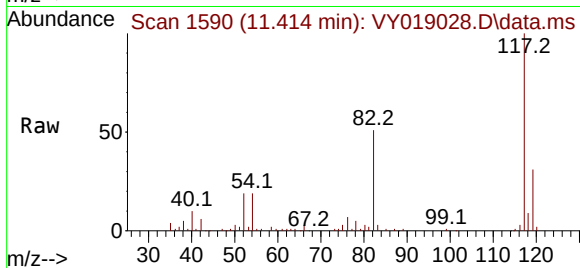
Tgt Ion:117 Resp: 72097

Ion Ratio Lower Upper

117 100

82 50.6 42.4 63.6

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

Tgt Ion:152 Resp: 21977

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

150 160.0 0.0 345.6

