

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
 Data File : VY019012.D  
 Acq On : 12 Aug 2024 19:15  
 Operator : SY/MD  
 Sample : P3518-19RE  
 Misc : 4.29g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-10-080724RE

Quant Time: Aug 13 01:19:25 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       | 7.695  | 168   | 66697    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.604  | 114   | 109141   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 82836    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 23895    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 33999    | 58.059   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 116.120% |          |
| 35) Dibromofluoromethane    | 7.622  | 113   | 40333    | 57.861   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 115.720% |          |
| 50) Toluene-d8              | 10.103 | 98    | 145235   | 54.243   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 108.480% |          |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 27675    | 34.840   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 69.680%  |          |

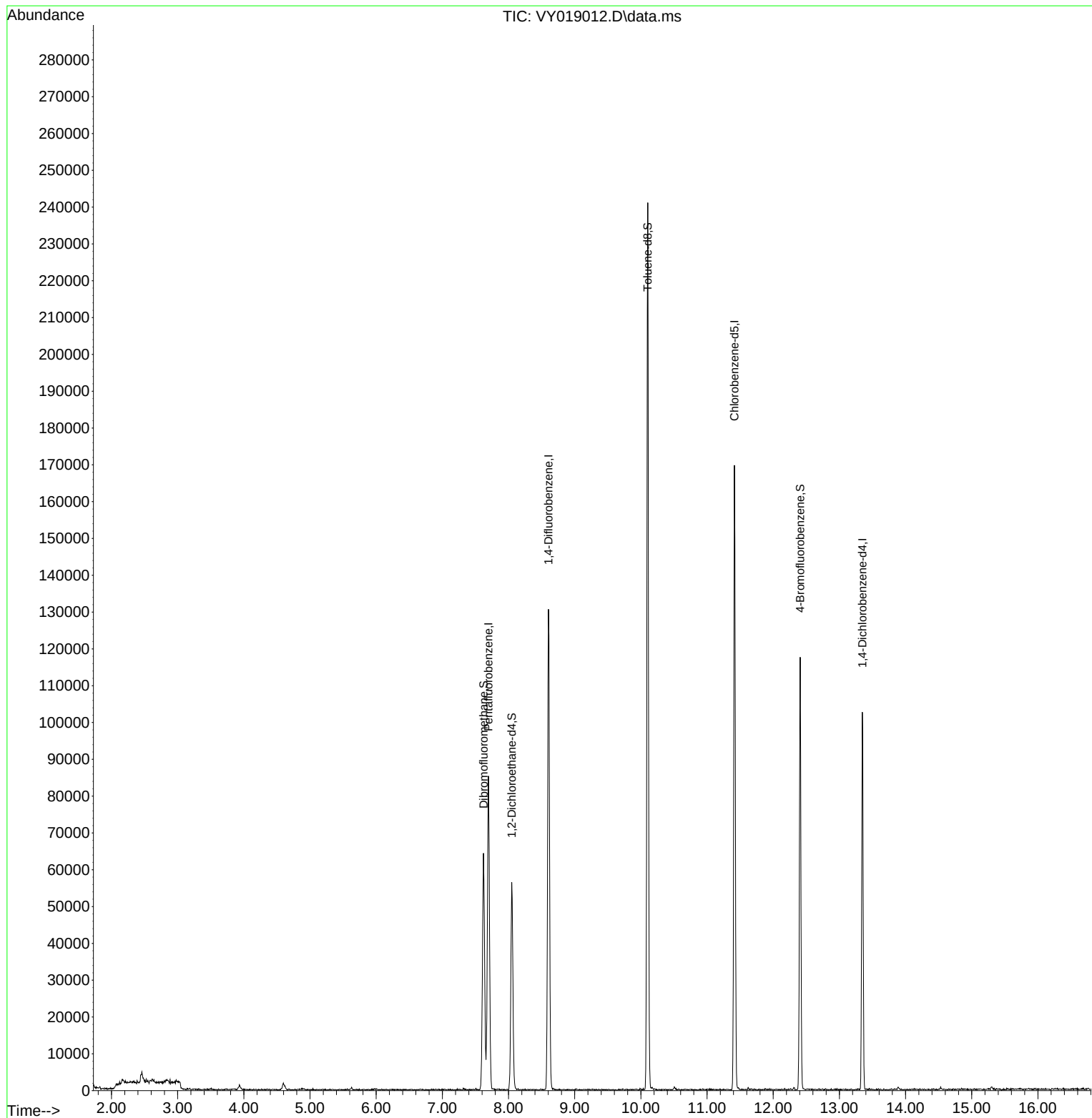
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

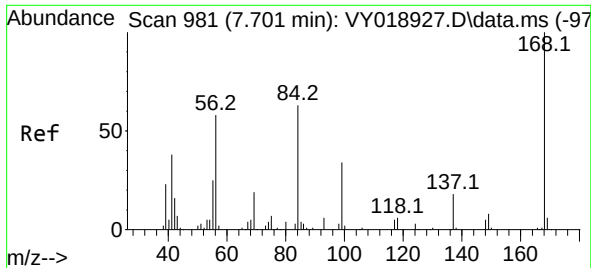
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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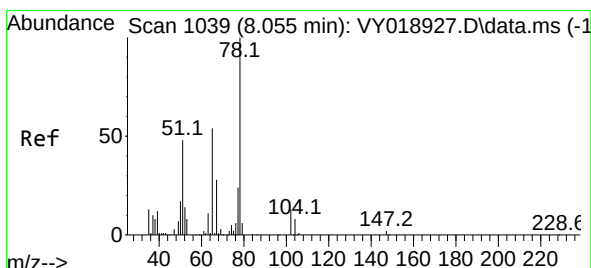
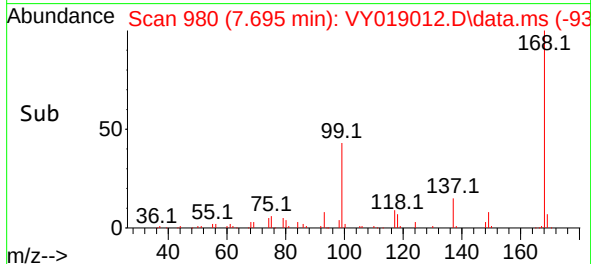
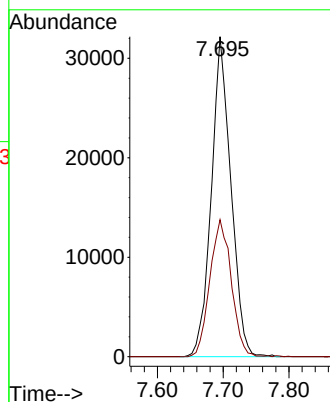
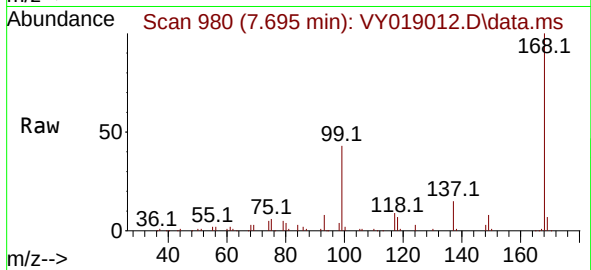




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019012.D  
Acq: 12 Aug 2024 19:15

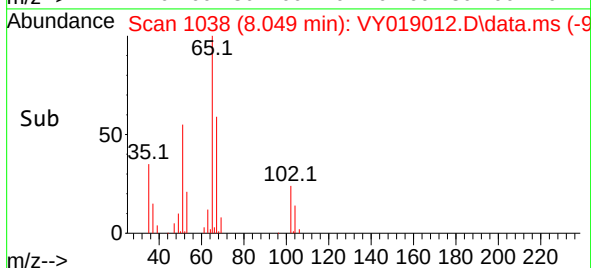
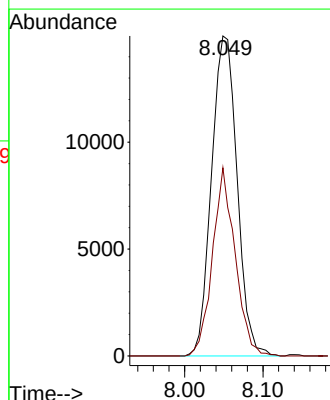
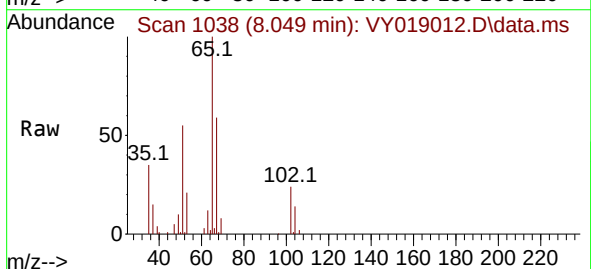
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-10-080724RE

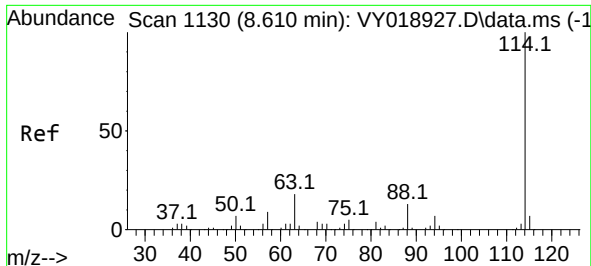
Tgt Ion:168 Resp: 66697  
Ion Ratio Lower Upper  
168 100  
99 42.8 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 58.059 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY019012.D  
Acq: 12 Aug 2024 19:15

Tgt Ion: 65 Resp: 33999  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019012.D

Acq: 12 Aug 2024 19:15

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-10-080724RE

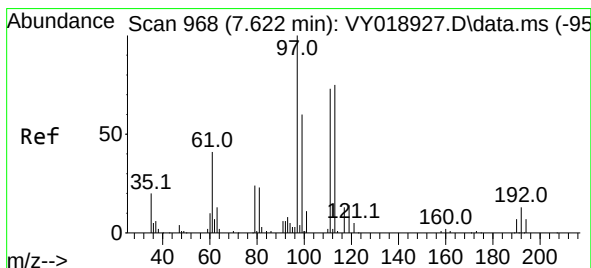
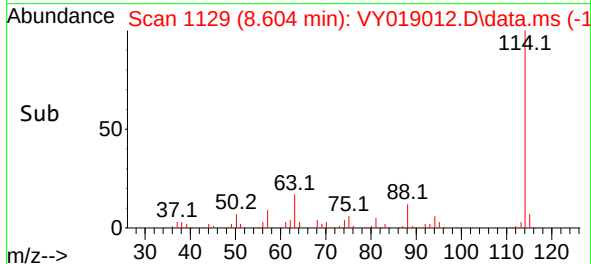
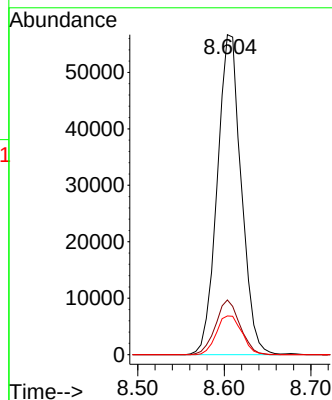
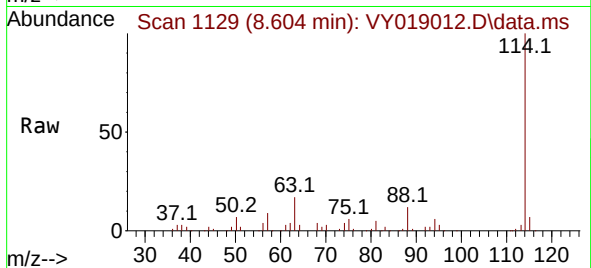
Tgt Ion:114 Resp: 109141

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 12.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.861 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019012.D

Acq: 12 Aug 2024 19:15

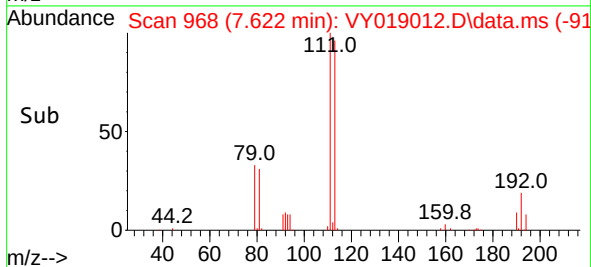
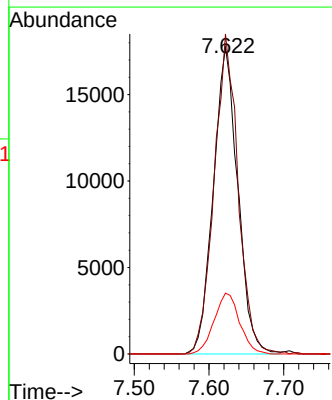
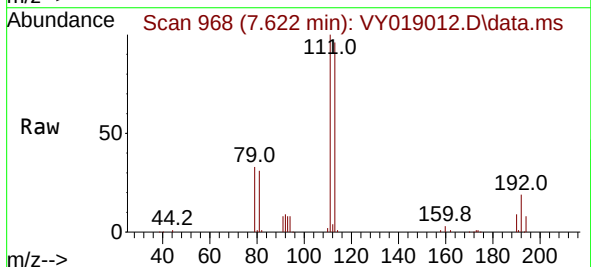
Tgt Ion:113 Resp: 40333

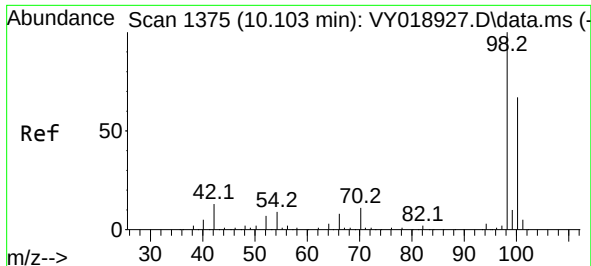
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 20.6 15.9 23.9

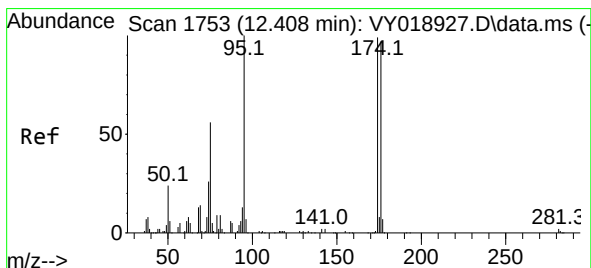
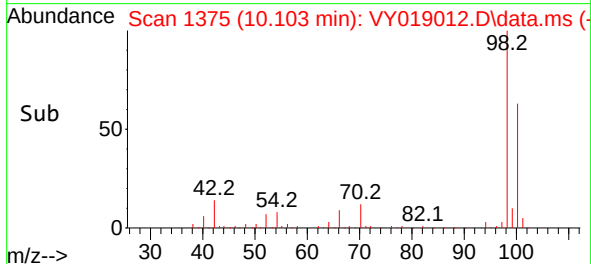
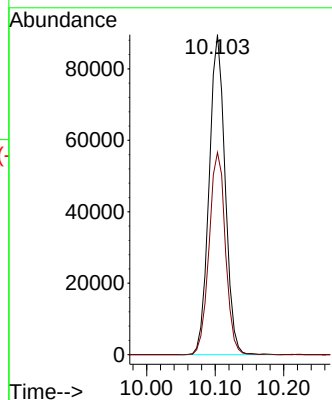
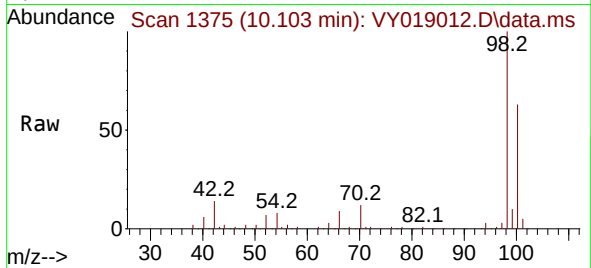




#50  
Toluene-d8  
Concen: 54.243 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019012.D  
Acq: 12 Aug 2024 19:15

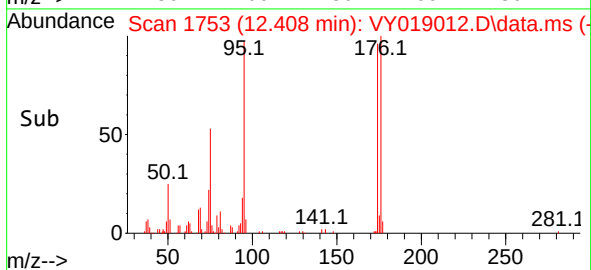
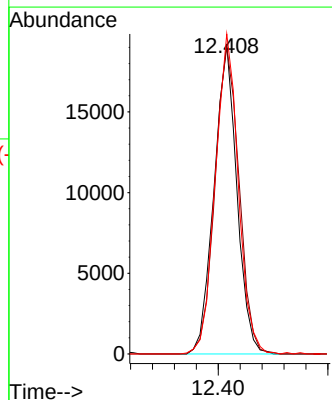
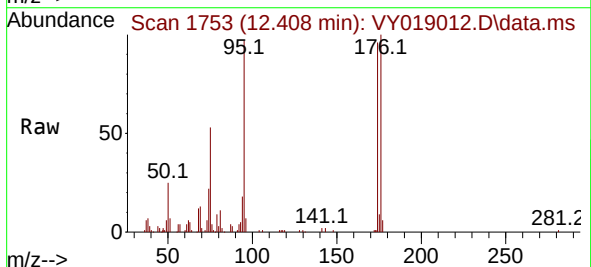
Instrument :  
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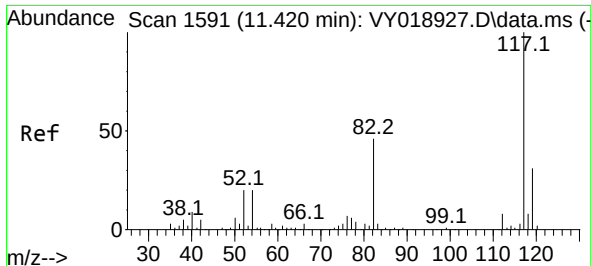
Tgt Ion: 98 Resp: 145235  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 34.840 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019012.D  
Acq: 12 Aug 2024 19:15

Tgt Ion: 95 Resp: 27675  
Ion Ratio Lower Upper  
95 100  
174 105.1 0.0 175.6  
176 104.4 0.0 171.4

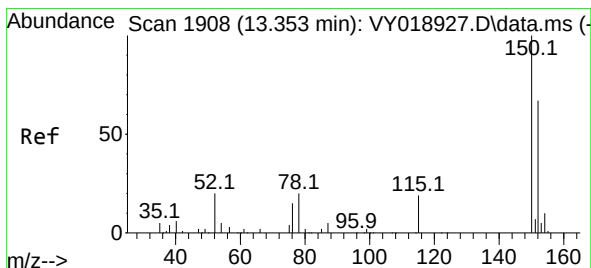
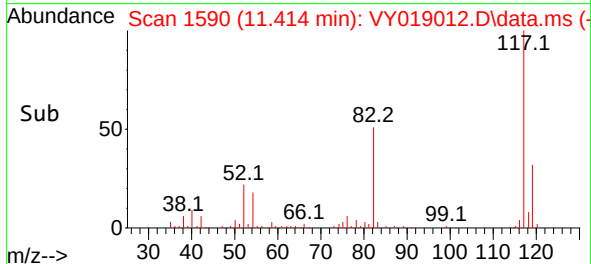
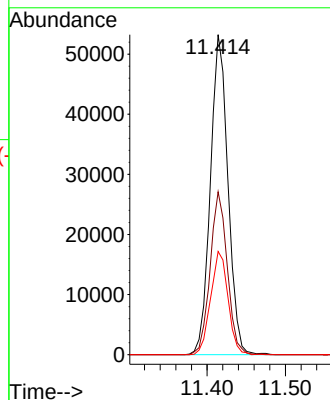
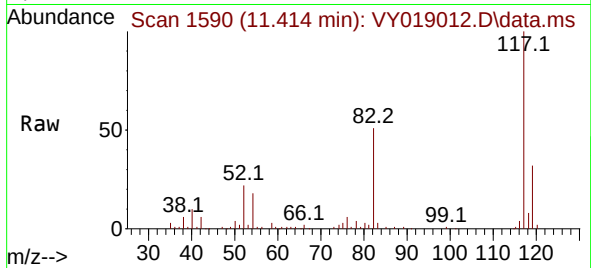




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019012.D  
Acq: 12 Aug 2024 19:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-10-080724RE

Tgt Ion:117 Resp: 82836  
Ion Ratio Lower Upper  
117 100  
82 50.9 42.4 63.6  
119 32.3 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. -0.006 min  
Lab File: VY019012.D  
Acq: 12 Aug 2024 19:15

Tgt Ion:152 Resp: 23895  
Ion Ratio Lower Upper  
152 100  
115 52.1 28.2 84.7  
150 160.2 0.0 345.6

