

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080924\  
 Data File : VY018966.D  
 Acq On : 09 Aug 2024 14:47  
 Operator : SY/MD  
 Sample : P3518-09RE  
 Misc : 5.45g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-05-080724RE

Quant Time: Aug 09 23:27:16 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  | 86839    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.603  | 114  | 138225   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 99700    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 26608    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 40662    | 53.331   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.660% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 45596    | 51.648   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.300% |
| 50) Toluene-d8              | 10.103 | 98    | 163260   | 48.145   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.300%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 32712    | 32.516   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 65.040%  |

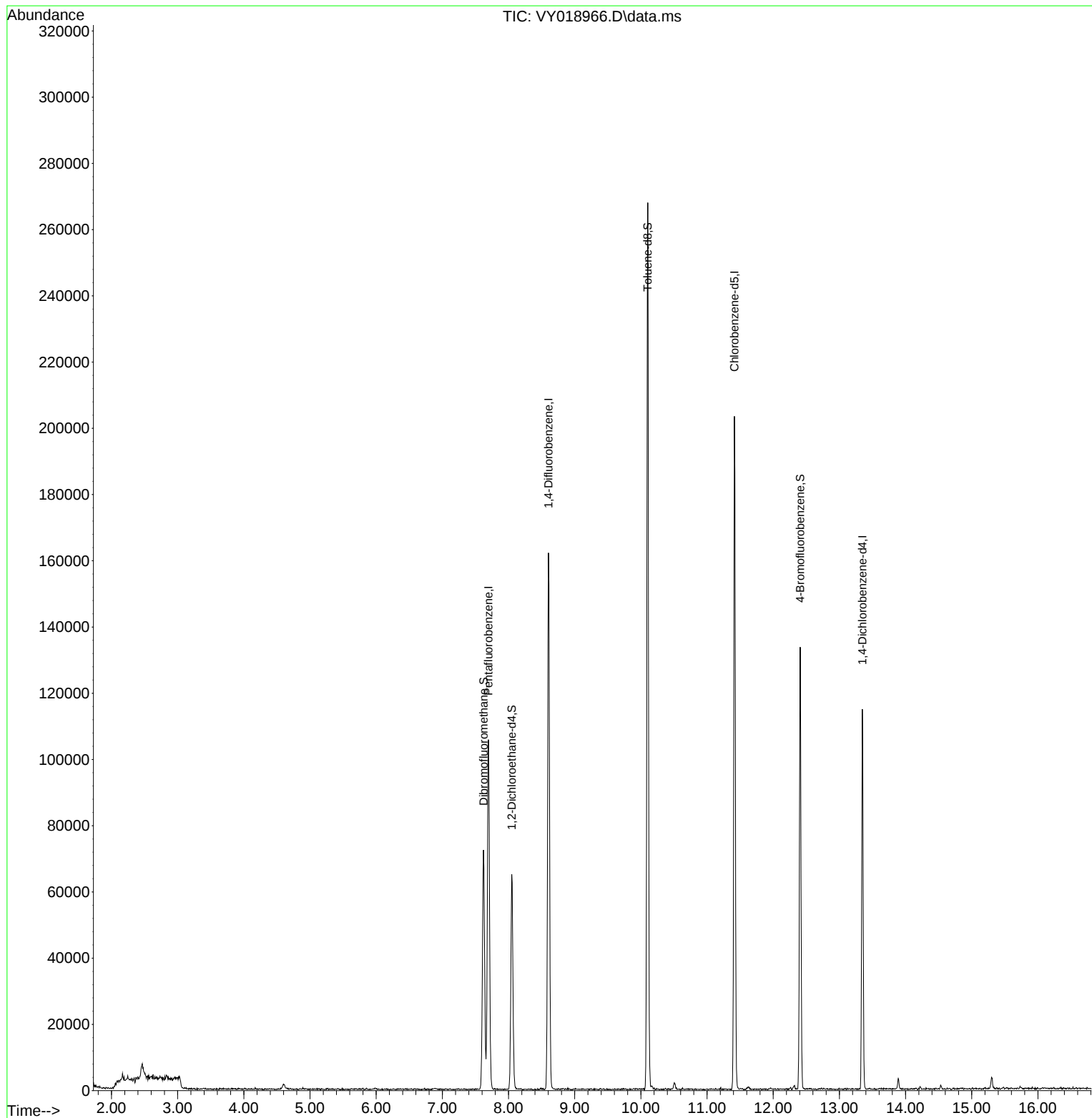
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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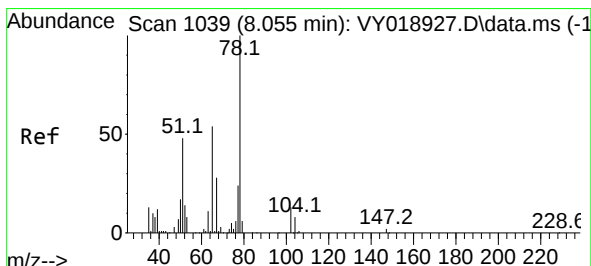
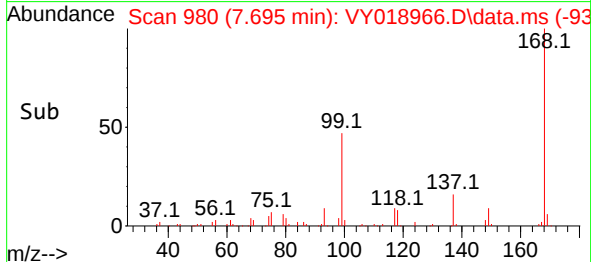
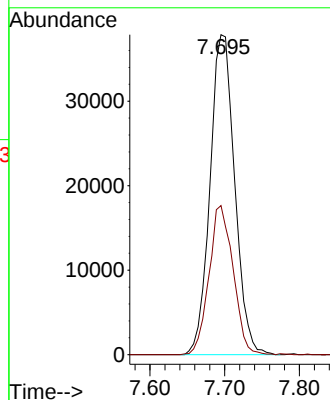
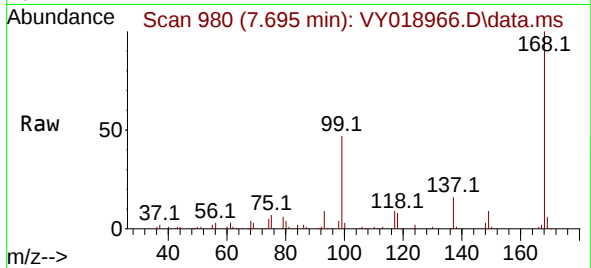




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018966.D  
Acq: 09 Aug 2024 14:47

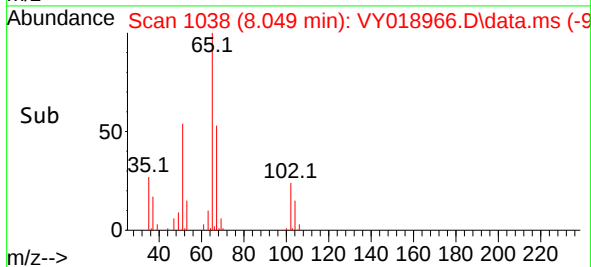
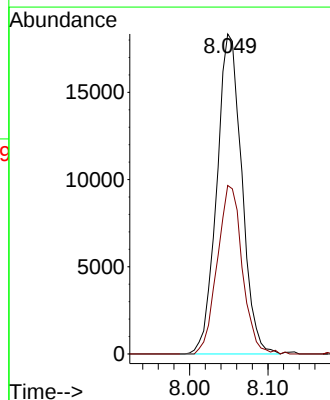
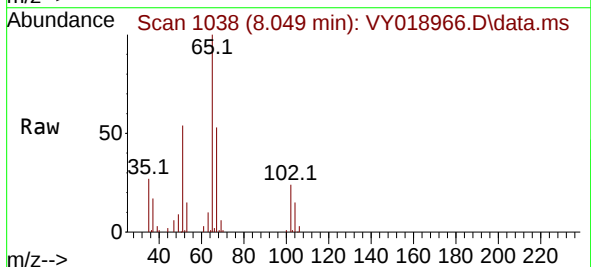
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-05-080724RE

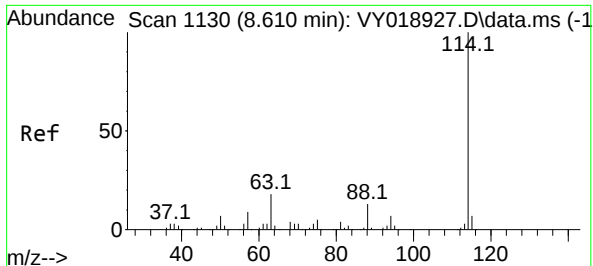
Tgt Ion:168 Resp: 86839  
Ion Ratio Lower Upper  
168 100  
99 46.6 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 53.331 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY018966.D  
Acq: 09 Aug 2024 14:47

Tgt Ion: 65 Resp: 40662  
Ion Ratio Lower Upper  
65 100  
67 52.7 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: VY018966.D

Acq: 09 Aug 2024 14:47

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-05-080724RE

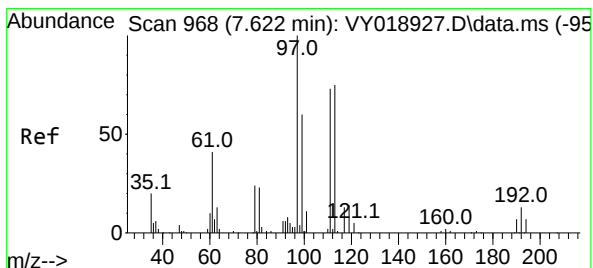
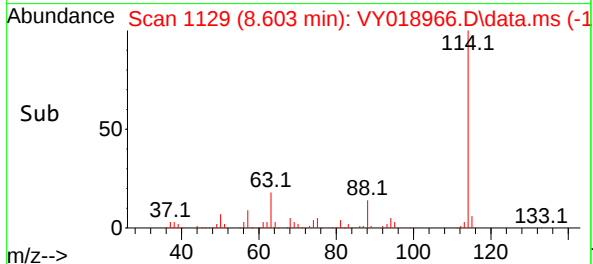
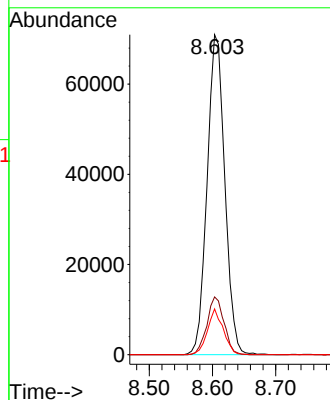
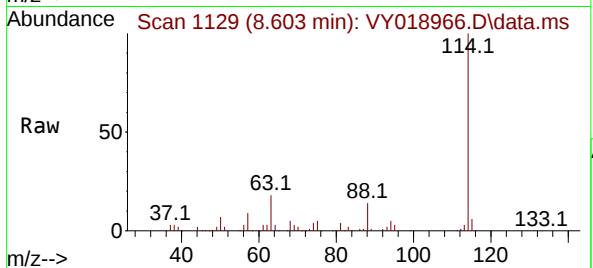
Tgt Ion:114 Resp: 138225

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.648 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY018966.D

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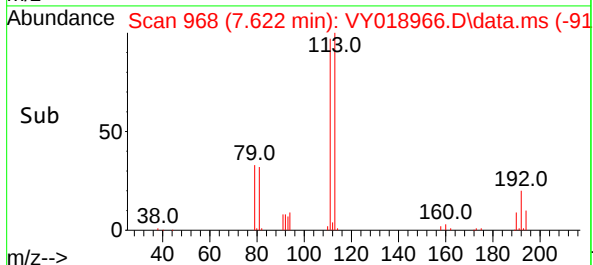
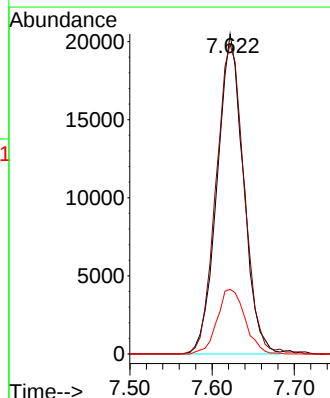
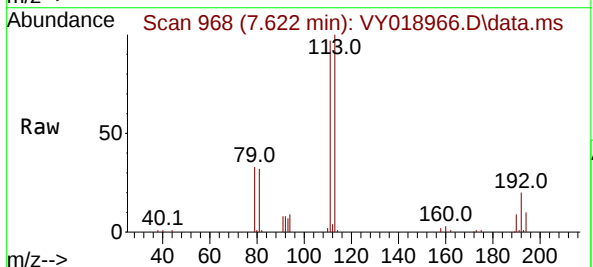
Tgt Ion:113 Resp: 45596

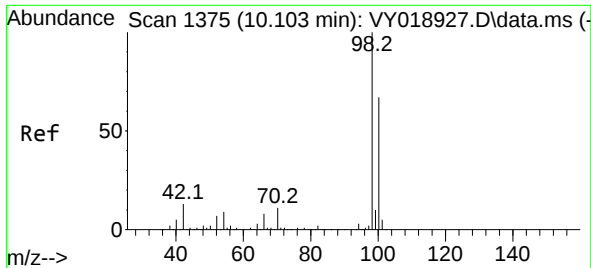
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 21.4 15.9 23.9

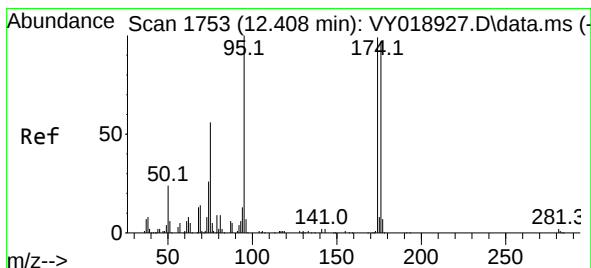
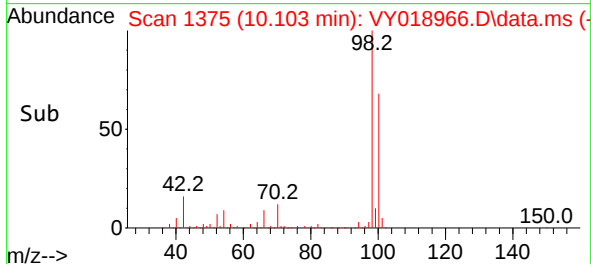
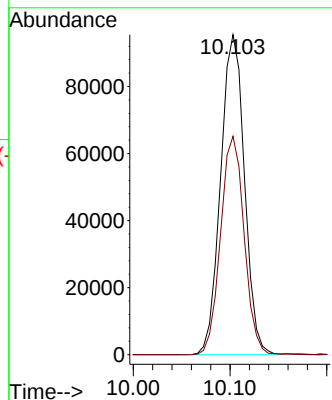
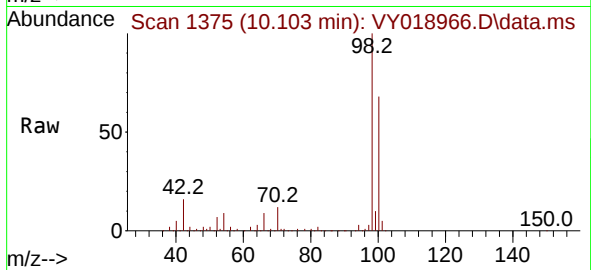




#50  
Toluene-d8  
Concen: 48.145 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY018966.D  
Acq: 09 Aug 2024 14:47

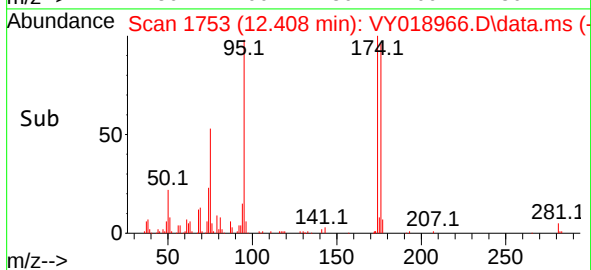
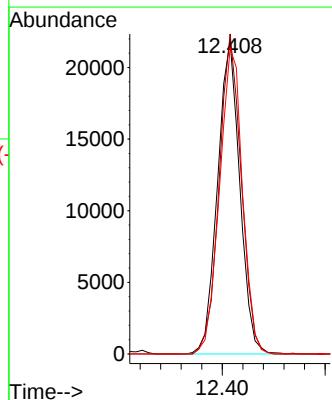
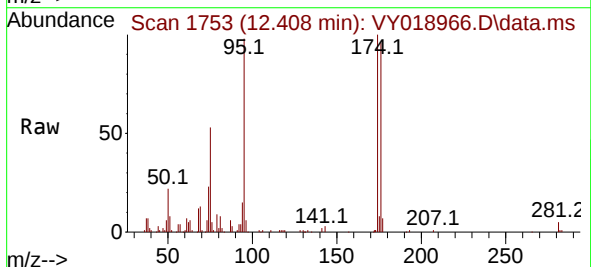
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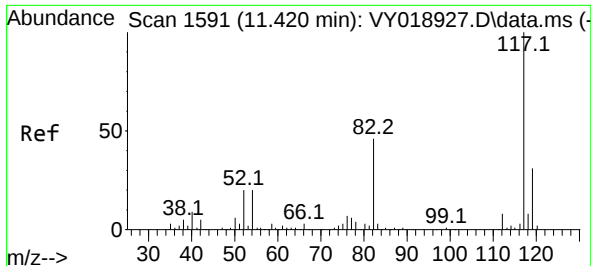
Tgt Ion: 98 Resp: 163260  
Ion Ratio Lower Upper  
98 100  
100 67.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 32.516 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY018966.D  
Acq: 09 Aug 2024 14:47

Tgt Ion: 95 Resp: 32712  
Ion Ratio Lower Upper  
95 100  
174 101.8 0.0 175.6  
176 101.0 0.0 171.4

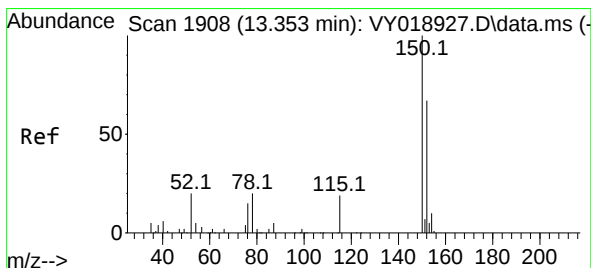
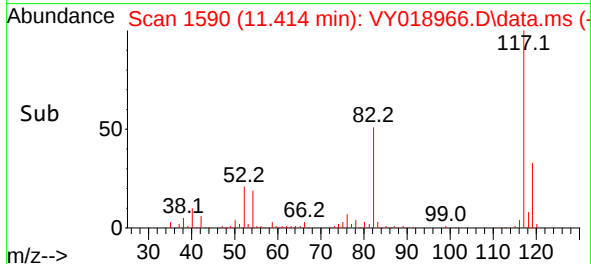
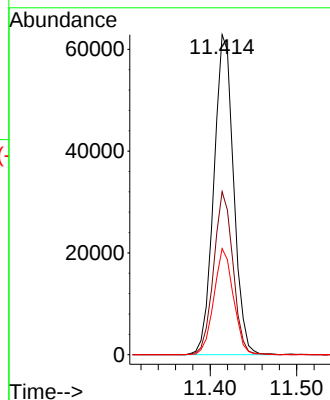
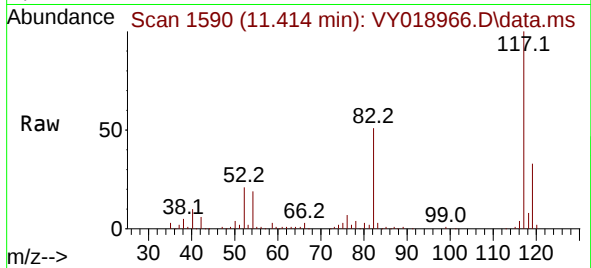




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY018966.D  
Acq: 09 Aug 2024 14:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-05-080724RE

Tgt Ion:117 Resp: 99700  
Ion Ratio Lower Upper  
117 100  
82 51.0 42.4 63.6  
119 33.1 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: VY018966.D  
Acq: 09 Aug 2024 14:47

Tgt Ion:152 Resp: 26608  
Ion Ratio Lower Upper  
152 100  
115 52.7 28.2 84.7  
150 158.6 0.0 345.6

