

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082024\  
 Data File : VY019163.D  
 Acq On : 20 Aug 2024 20:06  
 Operator : SY/MD  
 Sample : P3534-03  
 Misc : 3.39g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HP-IP

Quant Time: Aug 21 01:35:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.695  | 168  | 49813    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 78839    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 58940    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 18167    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 18234    | 36.516   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 73.040% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 24551    | 47.626   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 95.260% |
| 50) Toluene-d8              | 10.103 | 98    | 85010    | 45.825   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.660% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 19126    | 30.244   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 60.480% |

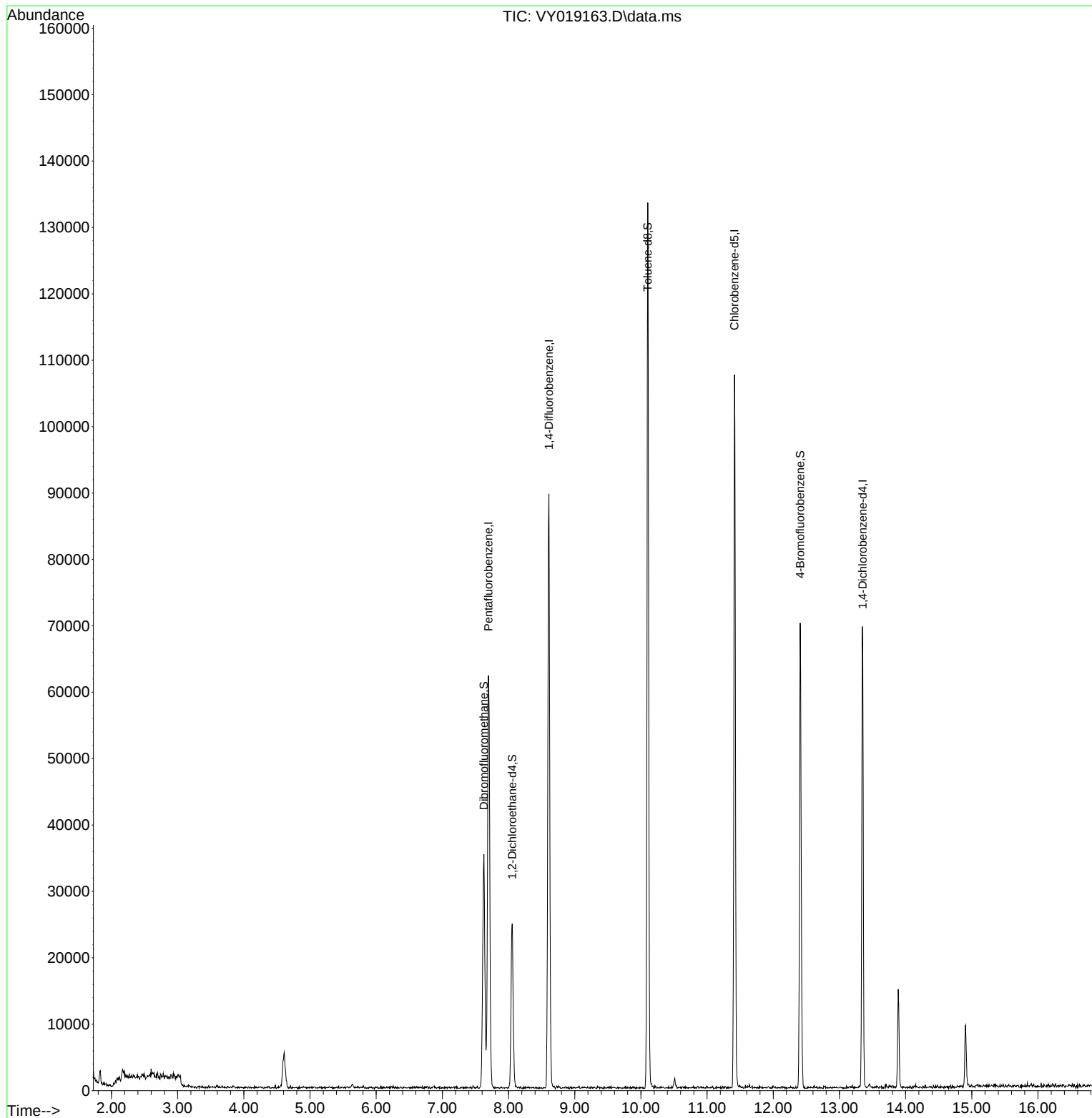
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

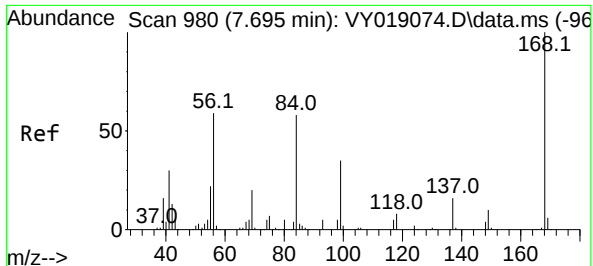
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

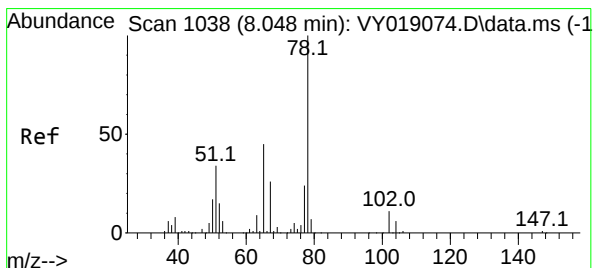
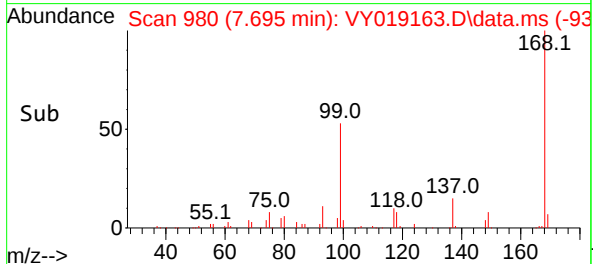
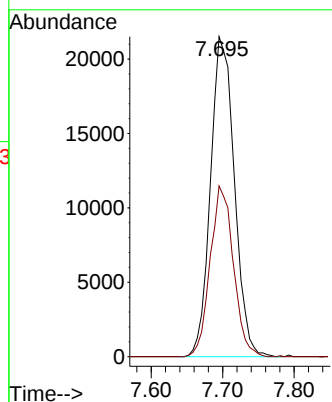
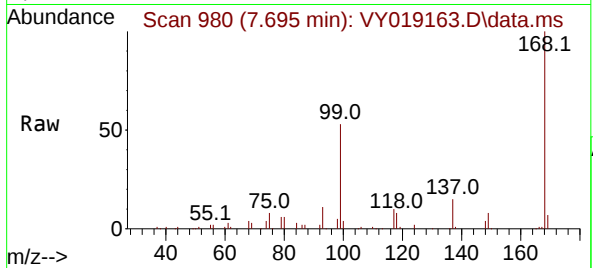




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY019163.D  
Acq: 20 Aug 2024 20:06

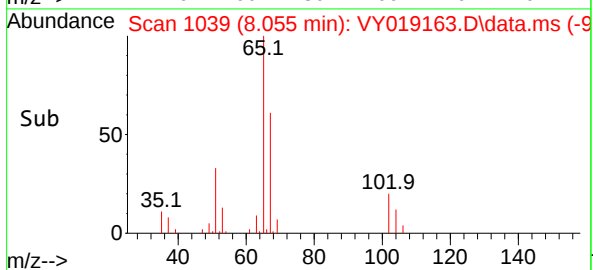
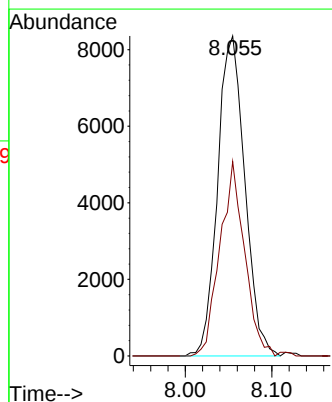
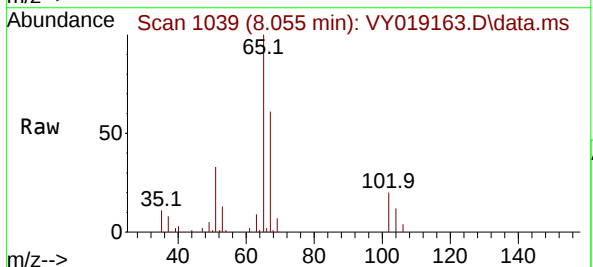
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HP-IP

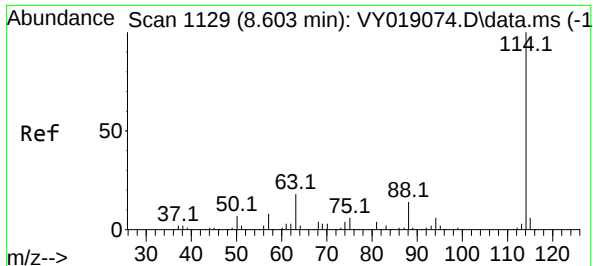
Tgt Ion:168 Resp: 49813  
Ion Ratio Lower Upper  
168 100  
99 53.4 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 36.516 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY019163.D  
Acq: 20 Aug 2024 20:06

Tgt Ion: 65 Resp: 18234  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019163.D

Acq: 20 Aug 2024 20:06

Instrument :

MSVOA\_Y

ClientSampleId :

HP-IP

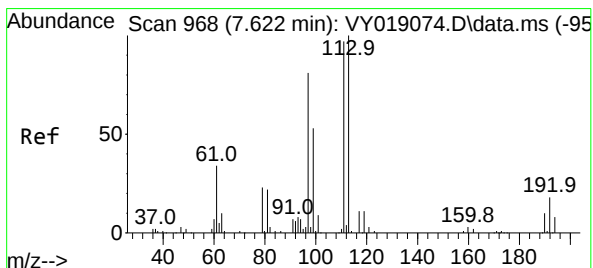
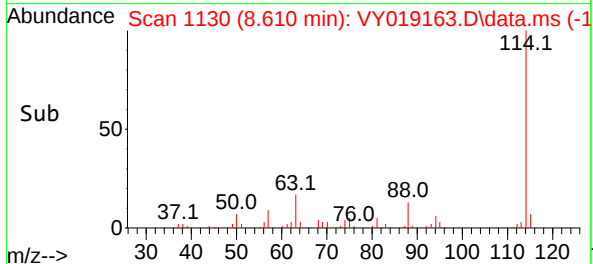
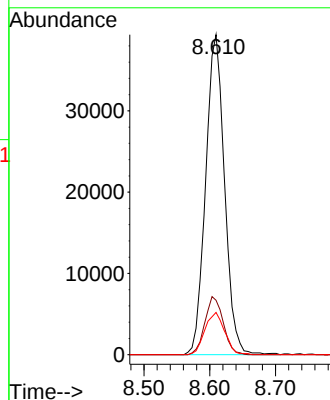
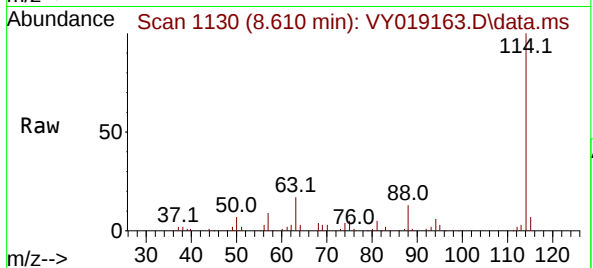
Tgt Ion:114 Resp: 78839

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.626 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019163.D

Acq: 20 Aug 2024 20:06

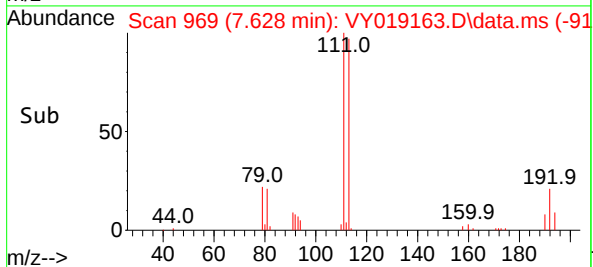
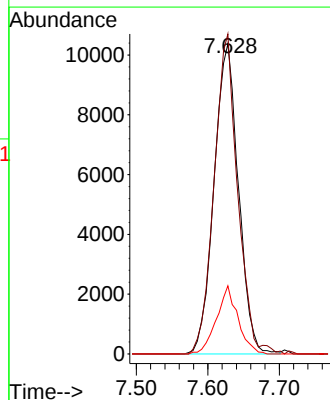
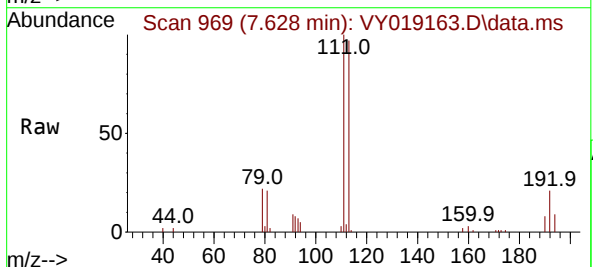
Tgt Ion:113 Resp: 24551

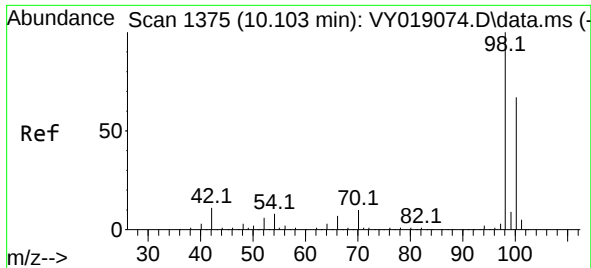
Ion Ratio Lower Upper

113 100

111 99.7 82.2 123.4

192 19.3 15.9 23.9

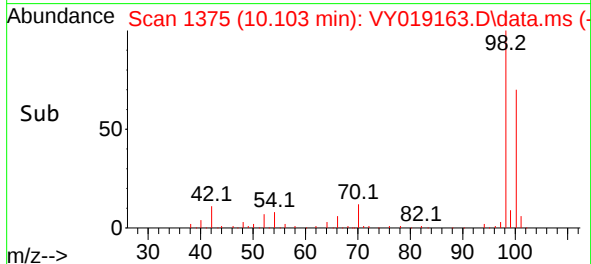
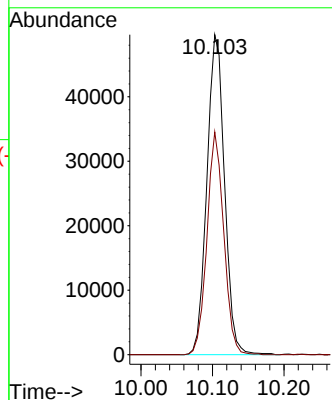
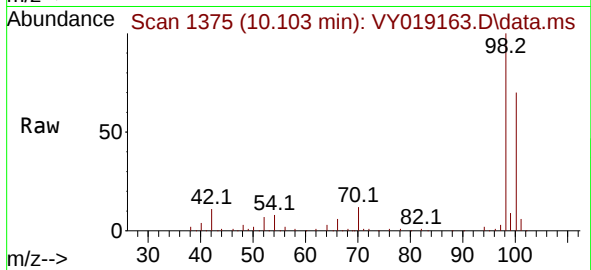




#50  
Toluene-d8  
Concen: 45.825 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019163.D  
Acq: 20 Aug 2024 20:06

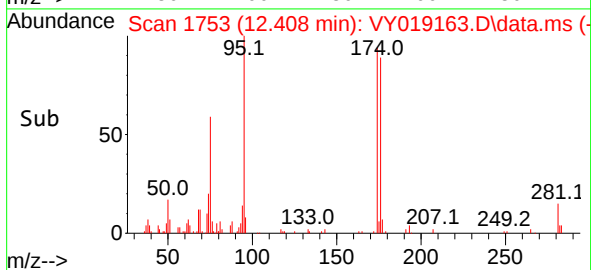
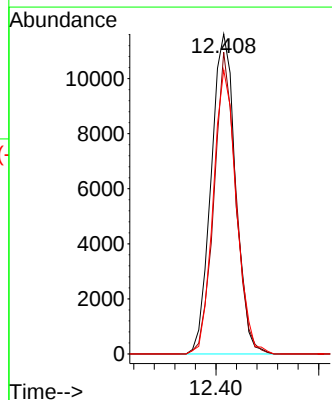
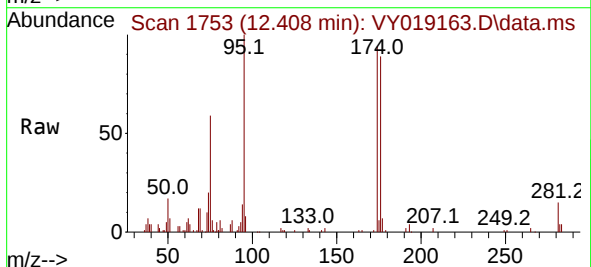
Instrument :  
MSVOA\_Y  
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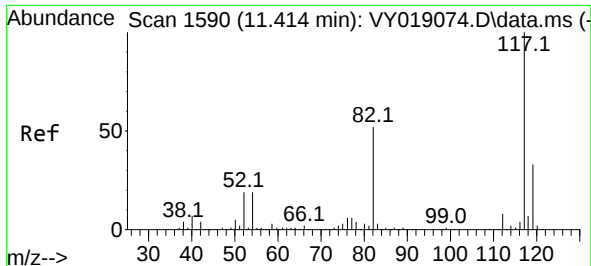
Tgt Ion: 98 Resp: 85010  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 30.244 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019163.D  
Acq: 20 Aug 2024 20:06

Tgt Ion: 95 Resp: 19126  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 175.6  
176 84.4 0.0 171.4

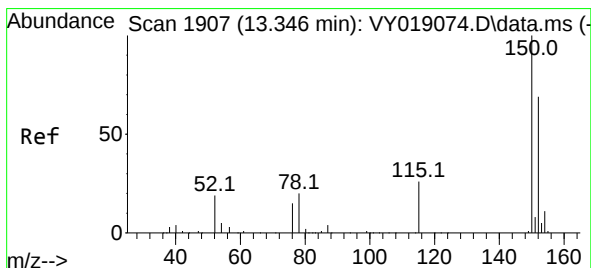
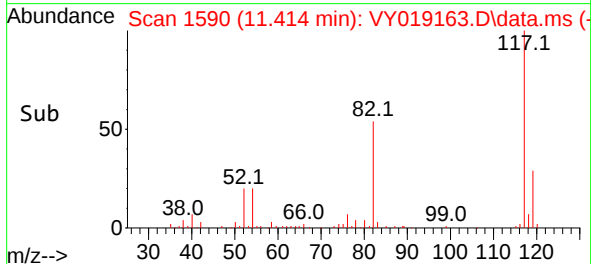
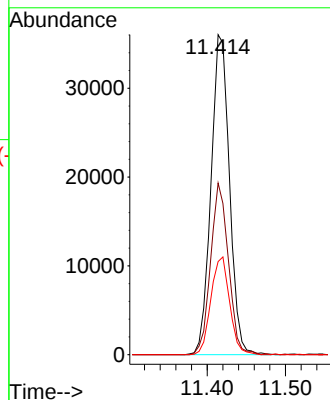
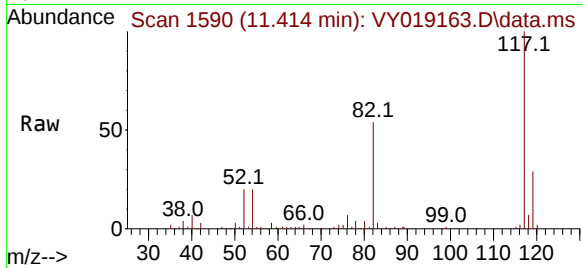




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019163.D  
Acq: 20 Aug 2024 20:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HP-IP

Tgt Ion:117 Resp: 58940  
Ion Ratio Lower Upper  
117 100  
82 53.6 42.4 63.6  
119 29.1 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY019163.D  
Acq: 20 Aug 2024 20:06

Tgt Ion:152 Resp: 18167  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.2 84.7  
150 146.5 0.0 345.6

