

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081924\  
 Data File : VY019117.D  
 Acq On : 19 Aug 2024 15:15  
 Operator : SY/MD  
 Sample : P3617-06  
 Misc : 3.27g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VCPS-B4-081424-14-16

Quant Time: Aug 20 01:46:14 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  | 103989   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.603  | 114  | 178114   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 161639   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 63030    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 53266    | 51.099   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.200% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 57973    | 49.779   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.560%  |
| 50) Toluene-d8              | 10.103 | 98    | 194879   | 46.499   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.000%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 67194    | 47.031   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 94.060%  |

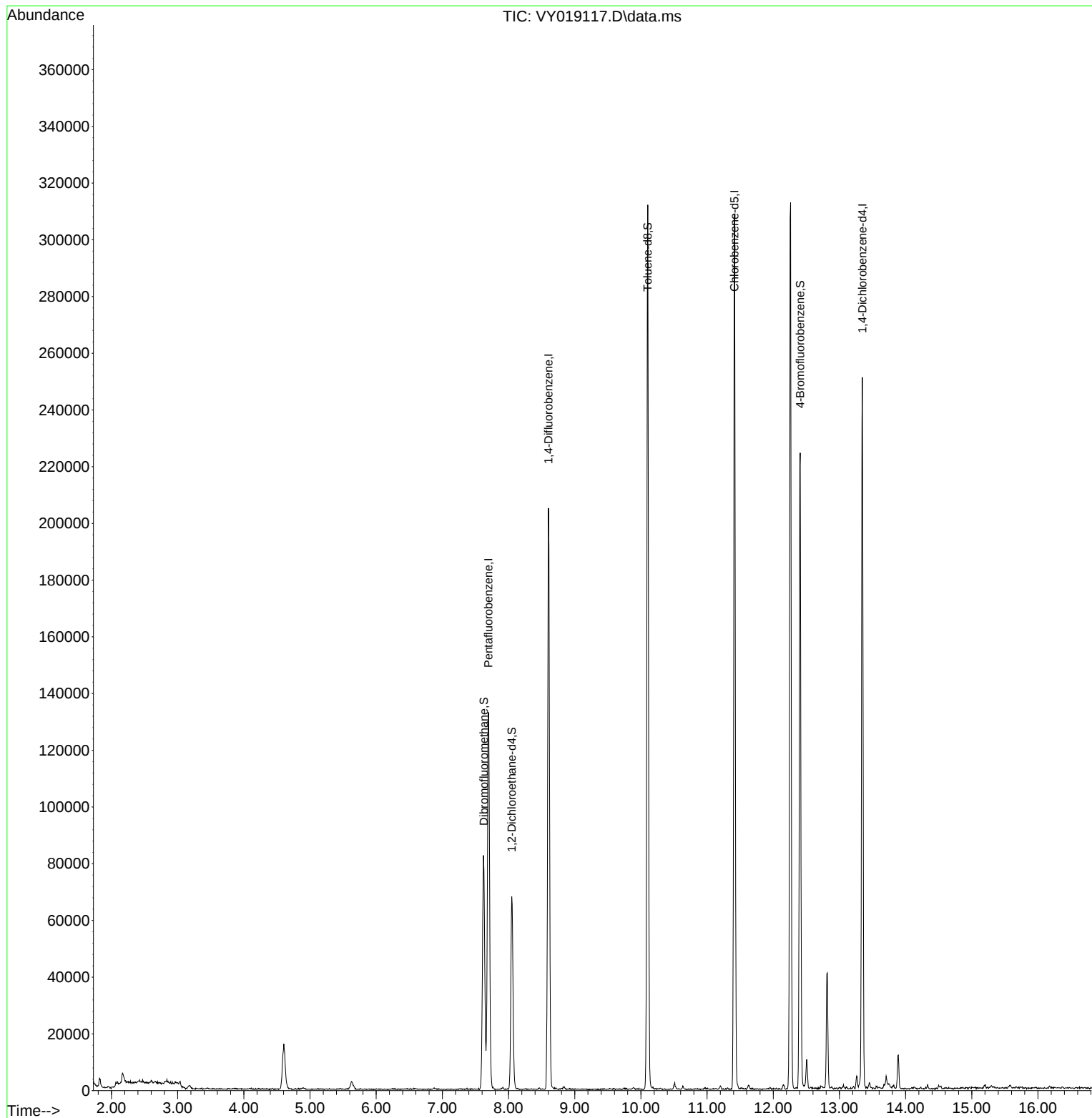
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

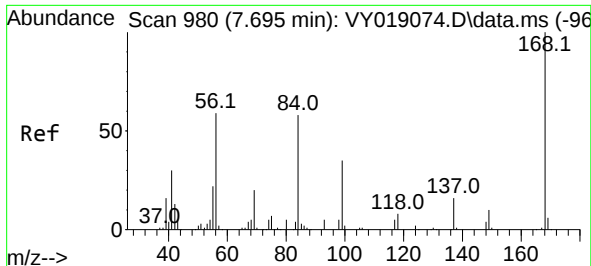
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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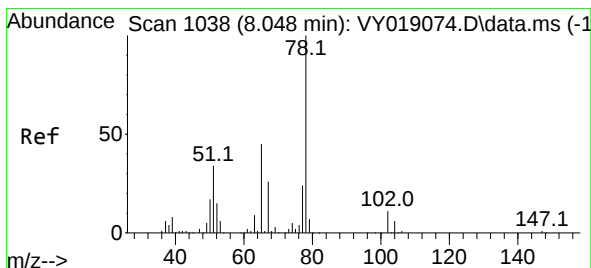
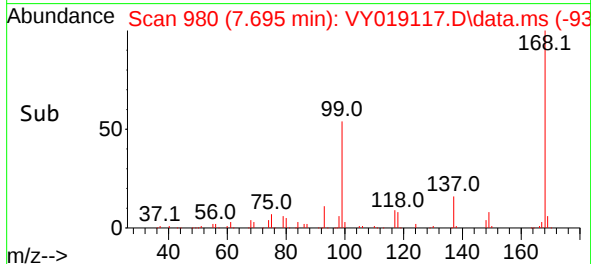
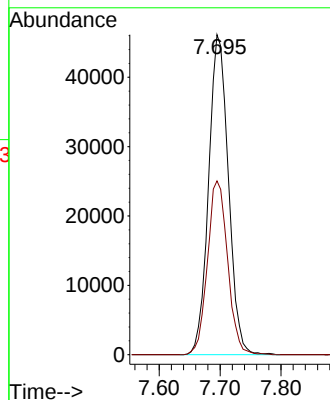
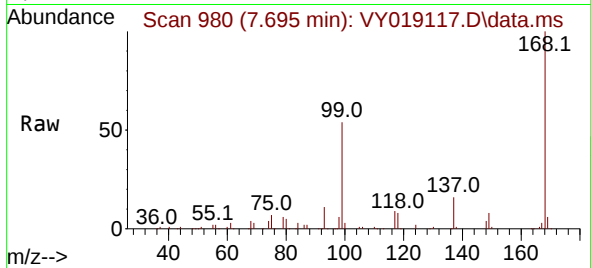




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY019117.D  
Acq: 19 Aug 2024 15:15

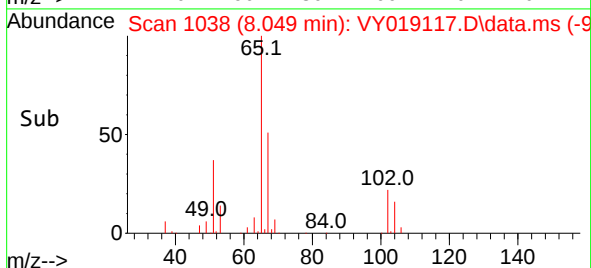
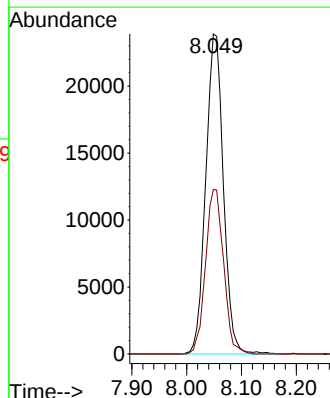
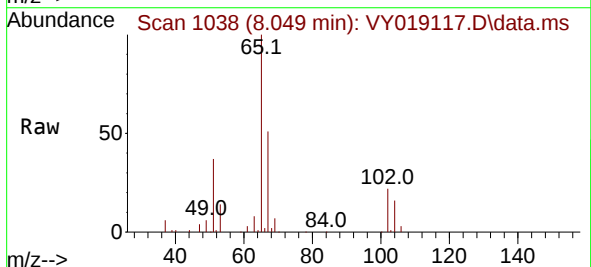
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCPS-B4-081424-14-16

Tgt Ion:168 Resp: 103989  
Ion Ratio Lower Upper  
168 100  
99 54.3 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.099 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY019117.D  
Acq: 19 Aug 2024 15:15

Tgt Ion: 65 Resp: 53266  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

VCPS-B4-081424-14-16

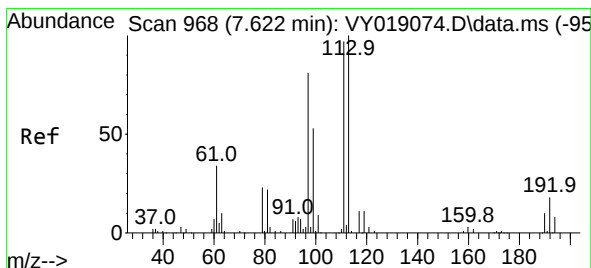
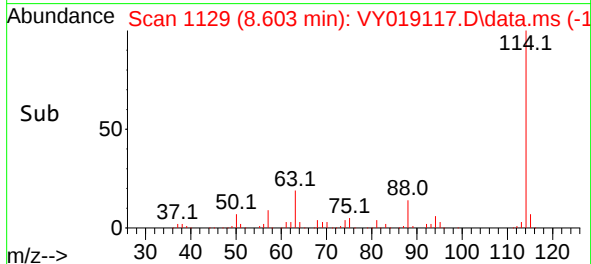
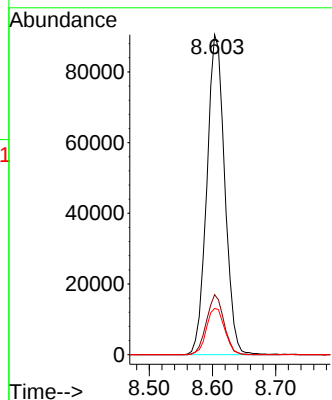
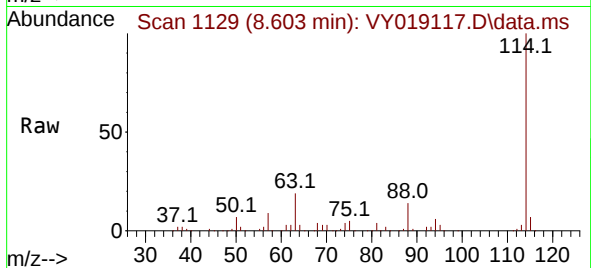
Tgt Ion:114 Resp: 178114

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.779 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

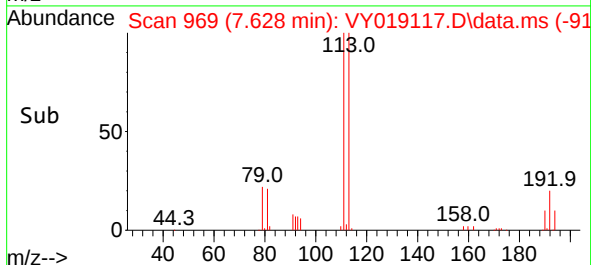
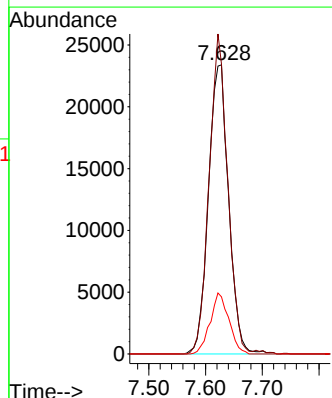
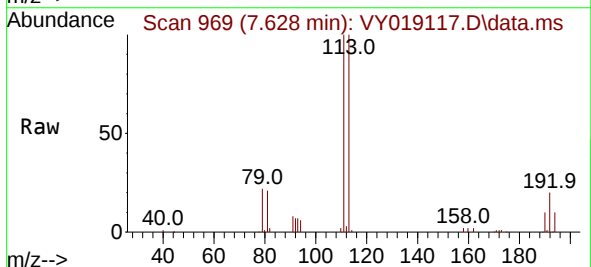
Tgt Ion:113 Resp: 57973

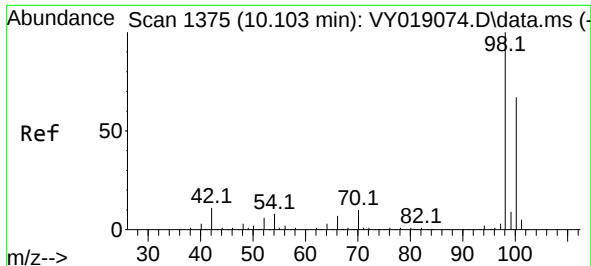
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

192 19.6 15.9 23.9

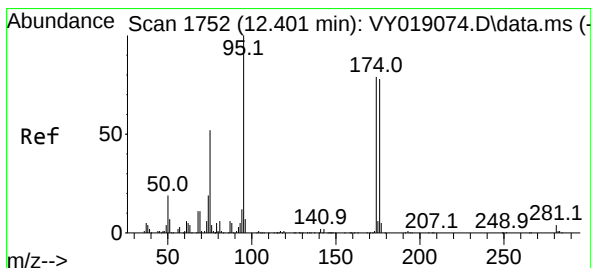
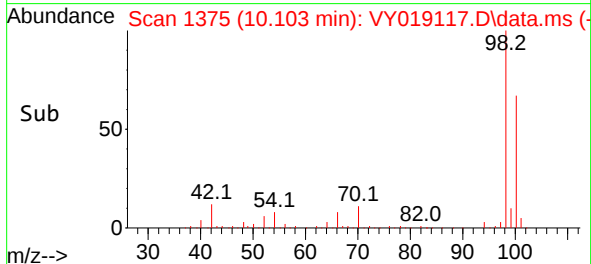
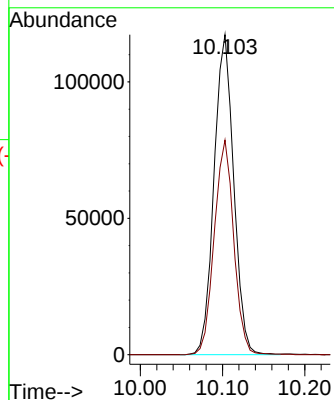
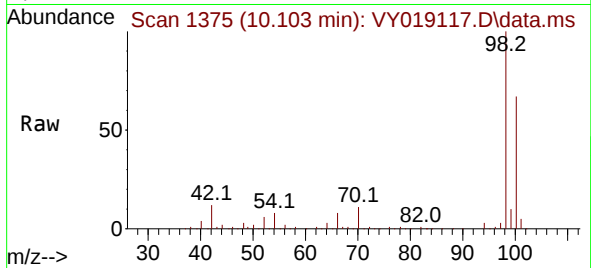




#50  
Toluene-d8  
Concen: 46.499 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019117.D  
Acq: 19 Aug 2024 15:15

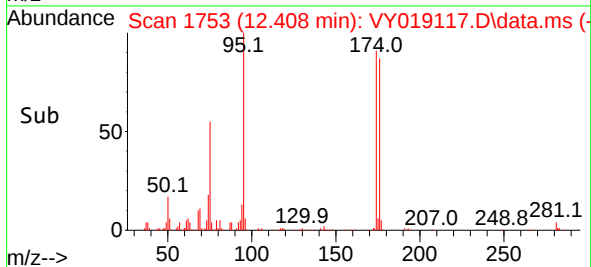
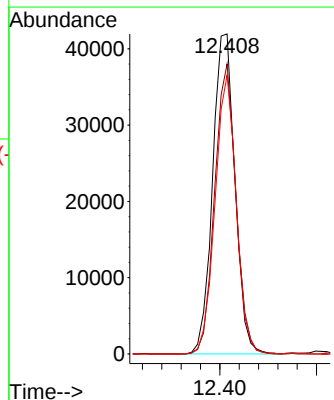
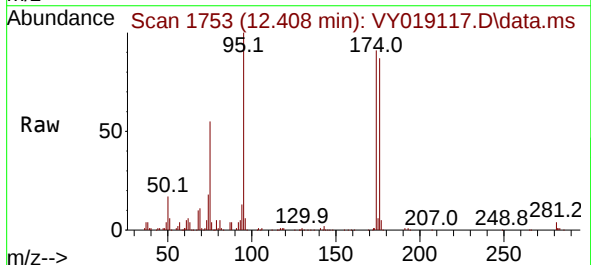
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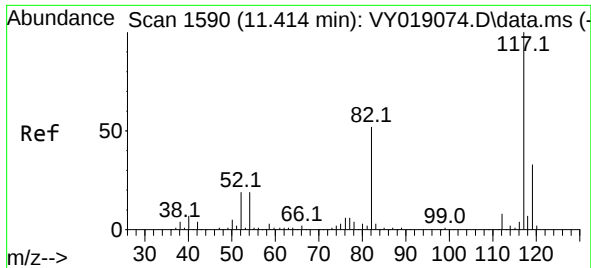
Tgt Ion: 98 Resp: 194879  
Ion Ratio Lower Upper  
98 100  
100 66.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 47.031 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019117.D  
Acq: 19 Aug 2024 15:15

Tgt Ion: 95 Resp: 67194  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 175.6  
176 82.7 0.0 171.4

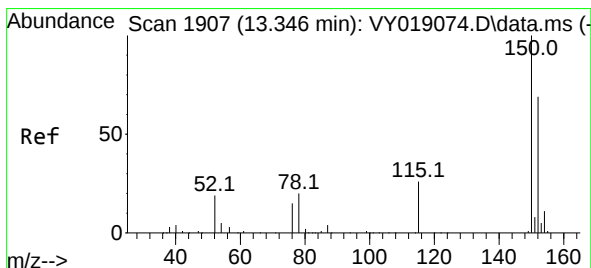
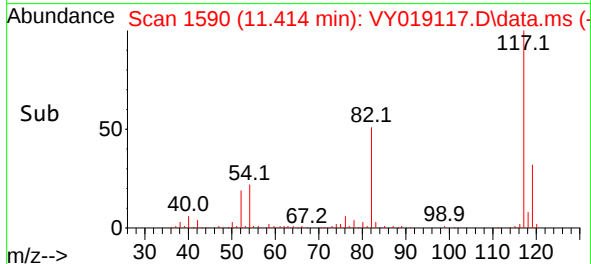
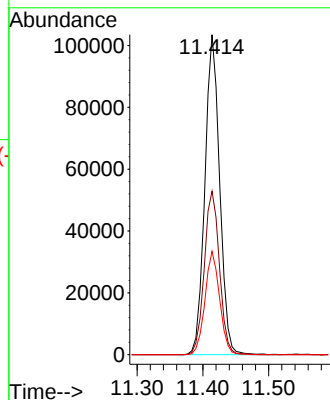
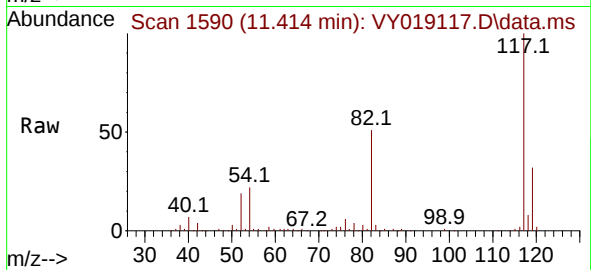




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019117.D  
Acq: 19 Aug 2024 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCPS-B4-081424-14-16

Tgt Ion:117 Resp: 161639  
Ion Ratio Lower Upper  
117 100  
82 51.1 42.4 63.6  
119 32.3 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY019117.D  
Acq: 19 Aug 2024 15:15

Tgt Ion:152 Resp: 63030  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.7  
150 158.4 0.0 345.6

