

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081924\  
 Data File : VY019125.D  
 Acq On : 19 Aug 2024 18:36  
 Operator : SY/MD  
 Sample : P3641-01  
 Misc : 7.40g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-907-K1-0-0.5-081524

Quant Time: Aug 20 01:49:16 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  | 98587    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.603  | 114  | 167105   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 144214   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 52802    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 48758    | 49.337   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.680% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 53536    | 48.997   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.000% |
| 50) Toluene-d8              | 10.103 | 98    | 187713   | 47.740   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.480% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 56116    | 41.865   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 83.720% |

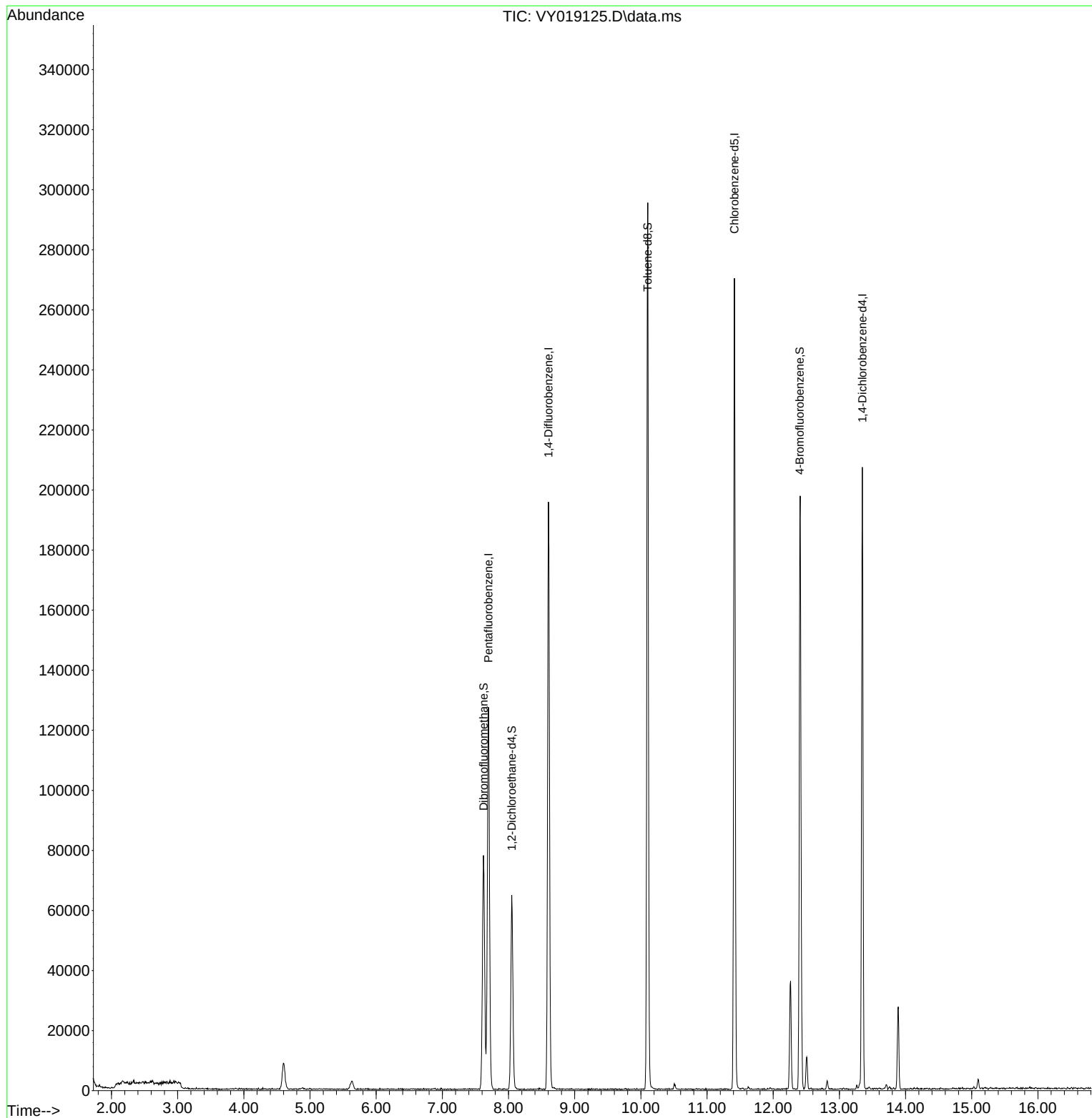
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

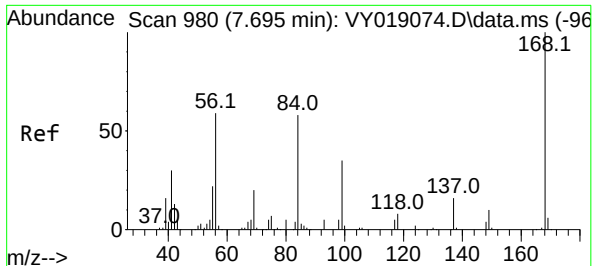
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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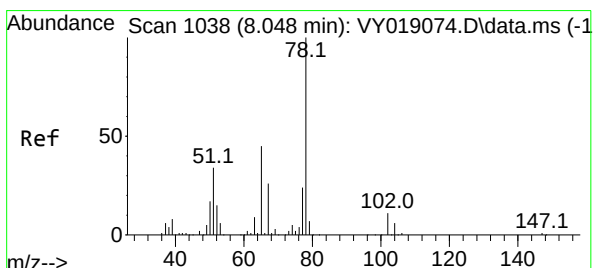
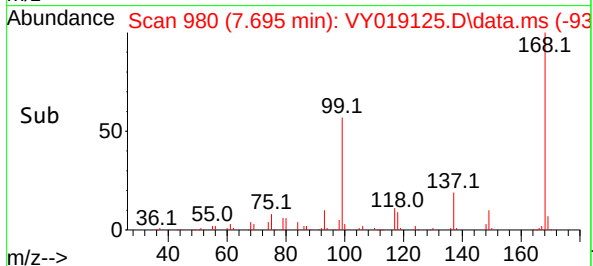
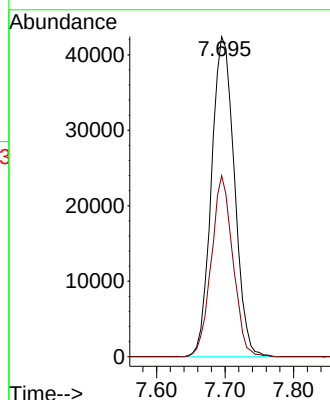
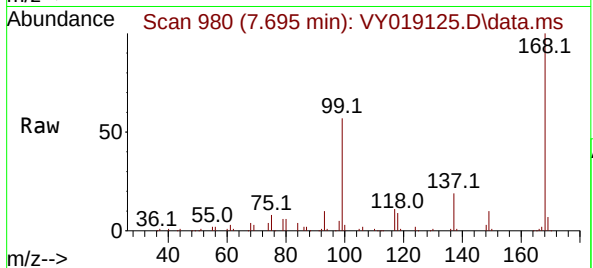




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY019125.D  
Acq: 19 Aug 2024 18:36

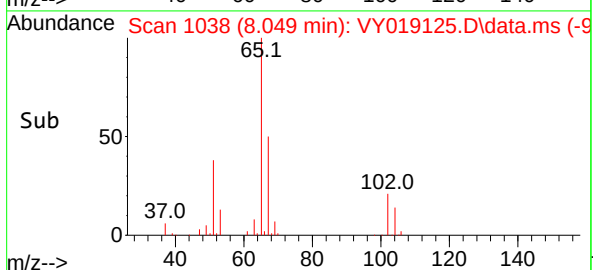
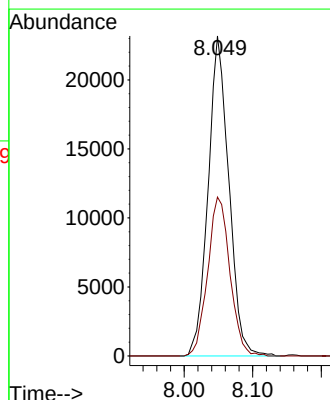
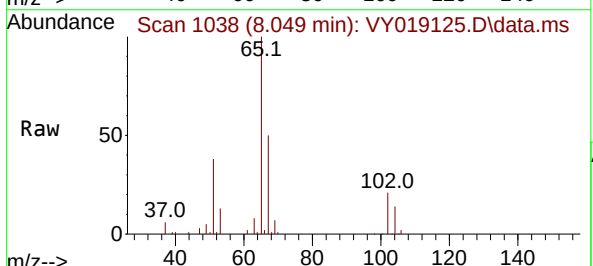
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-907-K1-0-0.5-081524

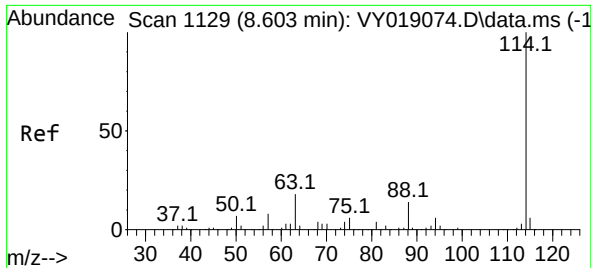
Tgt Ion:168 Resp: 98587  
Ion Ratio Lower Upper  
168 100  
99 56.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 49.337 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY019125.D  
Acq: 19 Aug 2024 18:36

Tgt Ion: 65 Resp: 48758  
Ion Ratio Lower Upper  
65 100  
67 53.1 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: VY019125.D

Acq: 19 Aug 2024 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

S-907-K1-0-0.5-081524

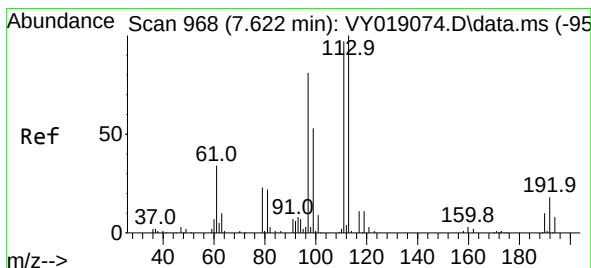
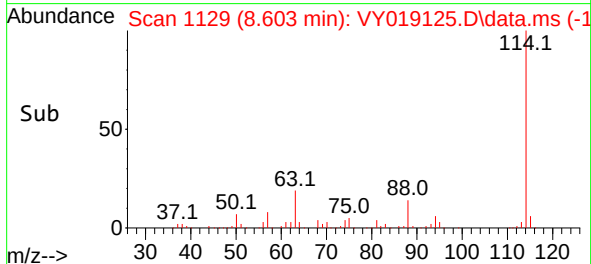
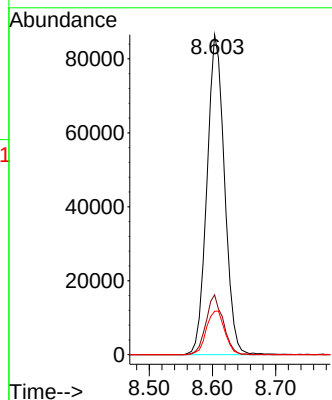
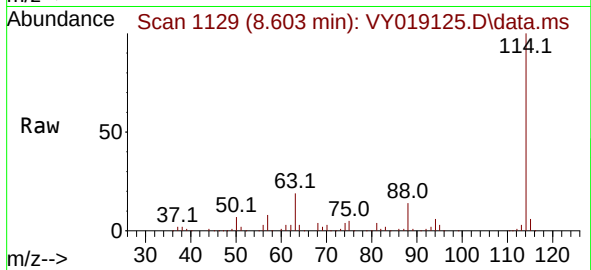
Tgt Ion:114 Resp: 167105

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.997 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019125.D

Acq: 19 Aug 2024 18:36

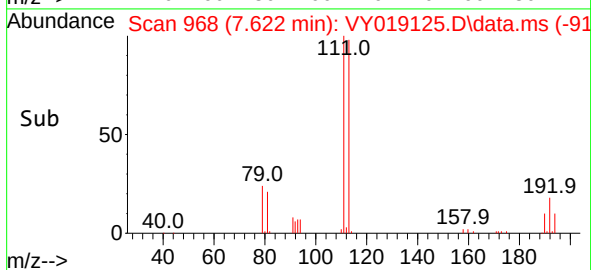
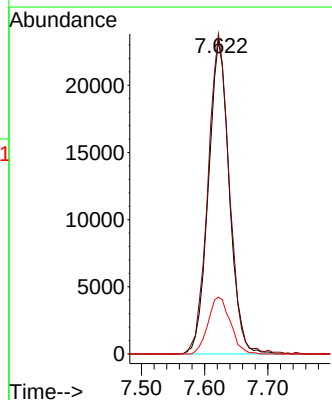
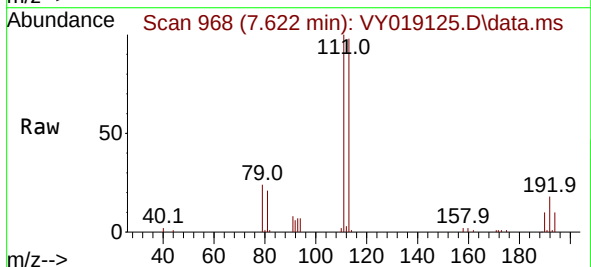
Tgt Ion:113 Resp: 53536

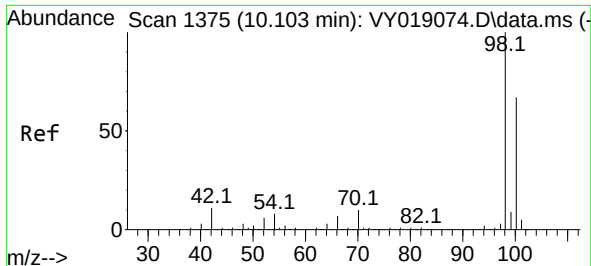
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 19.3 15.9 23.9

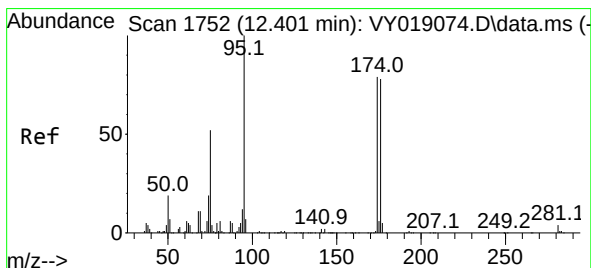
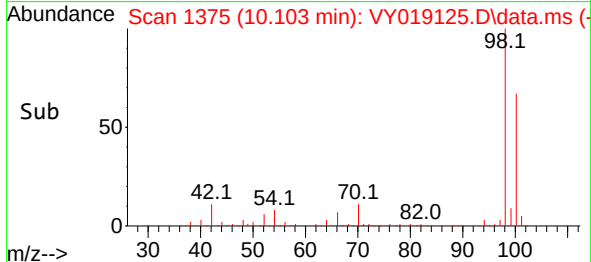
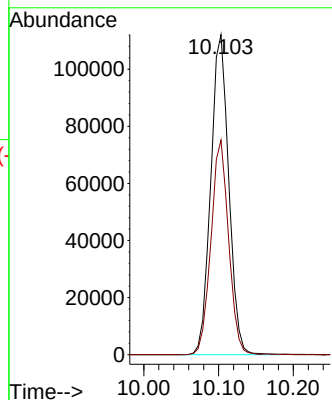
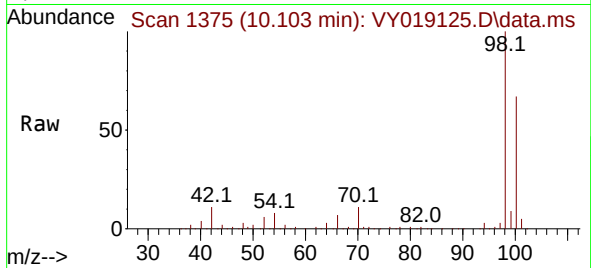




#50  
Toluene-d8  
Concen: 47.740 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019125.D  
Acq: 19 Aug 2024 18:36

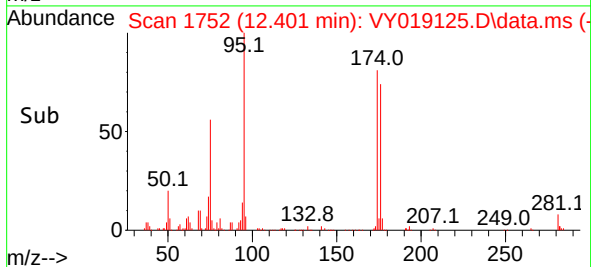
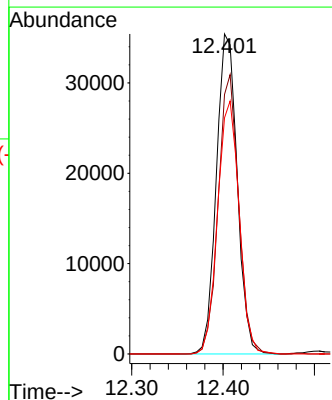
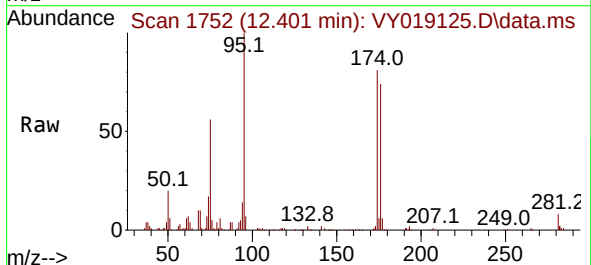
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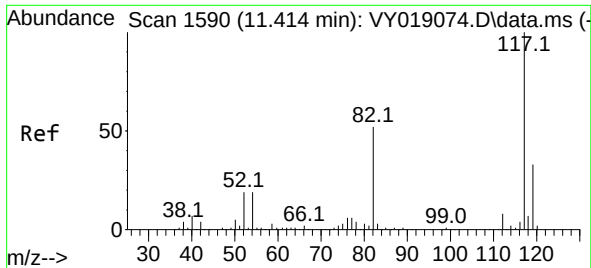
Tgt Ion: 98 Resp: 187713  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.865 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY019125.D  
Acq: 19 Aug 2024 18:36

Tgt Ion: 95 Resp: 56116  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 175.6  
176 81.9 0.0 171.4

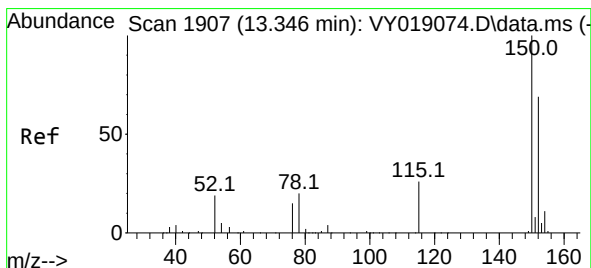
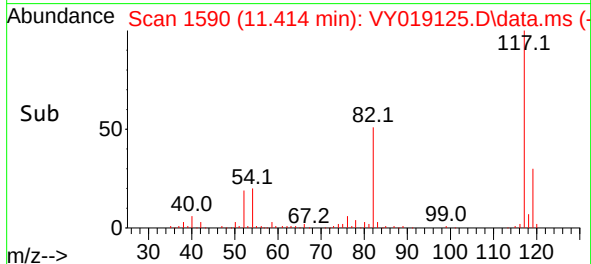
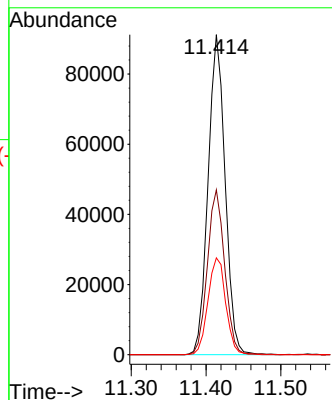
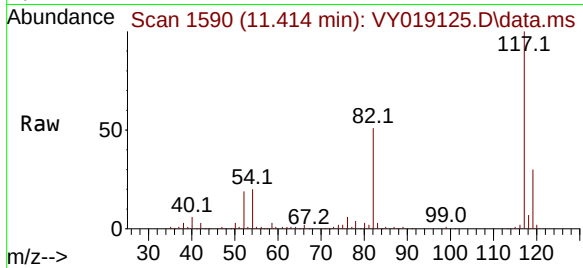




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019125.D  
Acq: 19 Aug 2024 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-907-K1-0-0.5-081524

|             |                |
|-------------|----------------|
| Tgt Ion:117 | Resp: 144214   |
| Ion Ratio   | Lower Upper    |
| 117         | 100            |
| 82          | 51.5 42.4 63.6 |
| 119         | 30.3 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: VY019125.D  
Acq: 19 Aug 2024 18:36

|             |                 |
|-------------|-----------------|
| Tgt Ion:152 | Resp: 52802     |
| Ion Ratio   | Lower Upper     |
| 152         | 100             |
| 115         | 55.9 28.2 84.7  |
| 150         | 152.7 0.0 345.6 |

