

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080822\  
 Data File : VY009904.D  
 Acq On : 09 Aug 2022 04:43  
 Operator : KP/MD  
 Sample : N3962-06  
 Misc : 3.86g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RVE-192

Quant Time: Aug 09 07:01:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 52542    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 106322   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 108300   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 48790    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 24663    | 61.253   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 122.500% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 23423    | 40.583   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 81.160%  |
| 50) Toluene-d8              | 10.179 | 98    | 85561    | 48.774   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.540%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 26425    | 32.790   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 65.580%  |

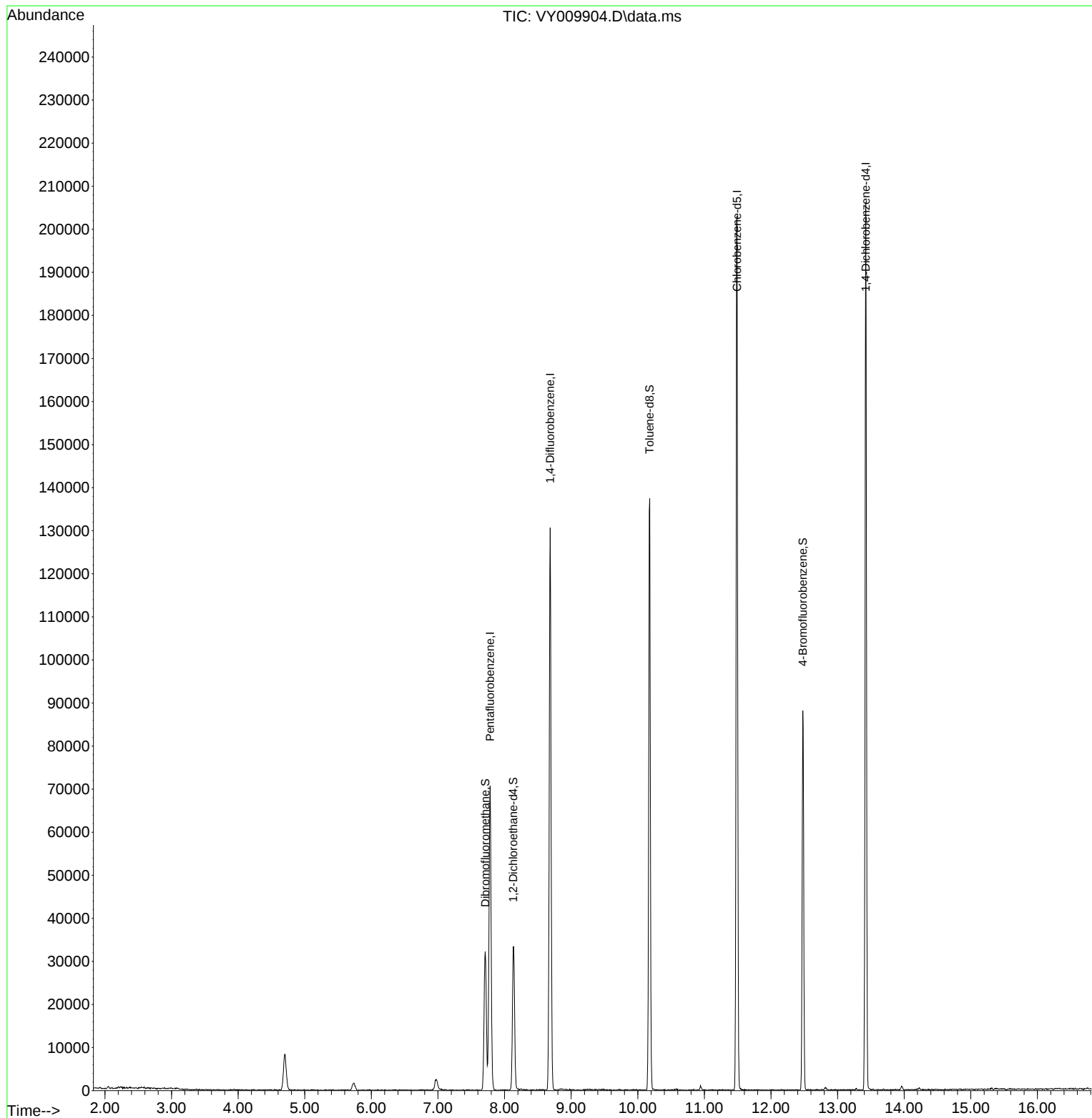
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

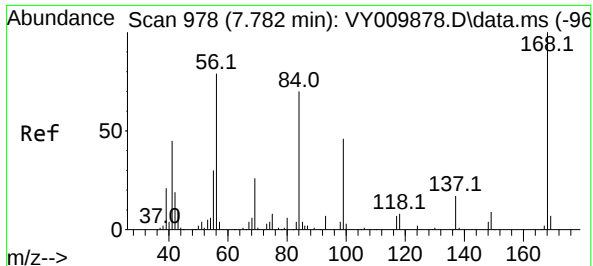
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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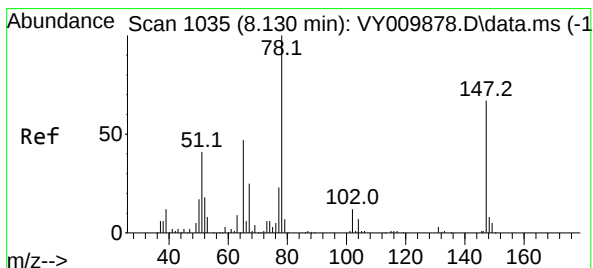
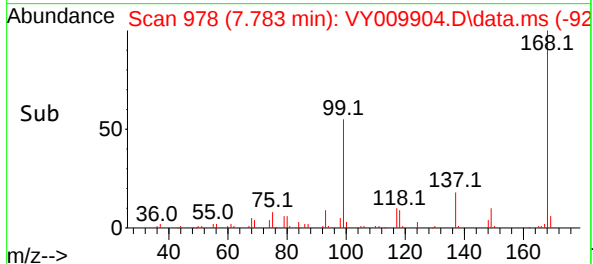
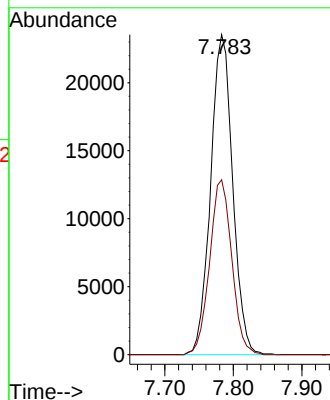
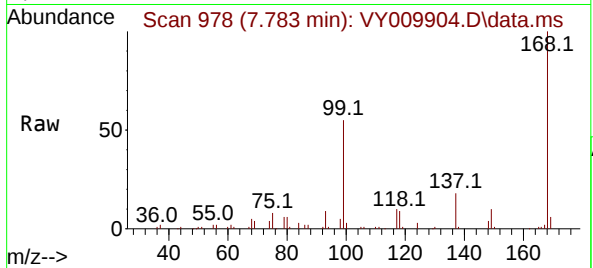




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY009904.D  
Acq: 09 Aug 2022 04:43

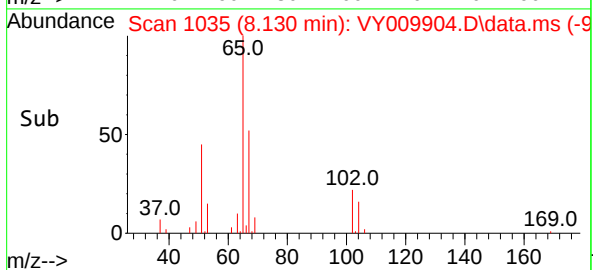
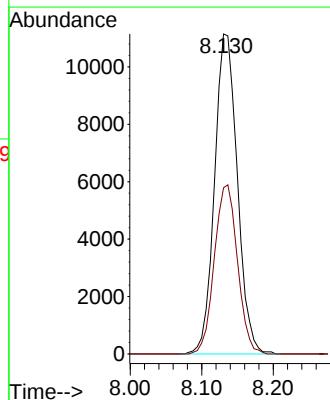
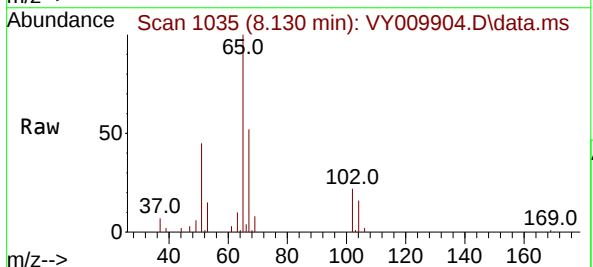
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-192

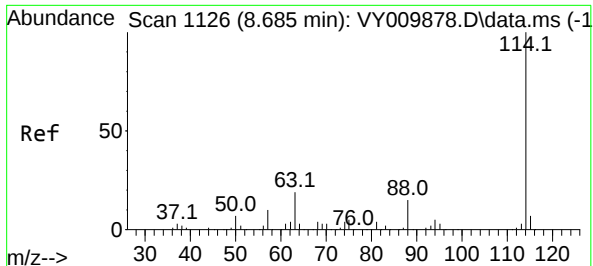
Tgt Ion:168 Resp: 52542  
Ion Ratio Lower Upper  
168 100  
99 54.6 42.1 63.1



#33  
1,2-Dichloroethane-d4  
Concen: 61.253 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY009904.D  
Acq: 09 Aug 2022 04:43

Tgt Ion: 65 Resp: 24663  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009904.D

Acq: 09 Aug 2022 04:43

Instrument :

MSVOA\_Y

ClientSampleId :

RVE-192

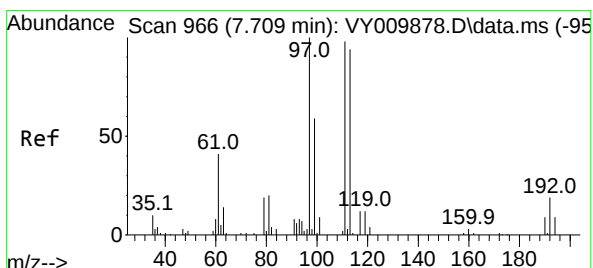
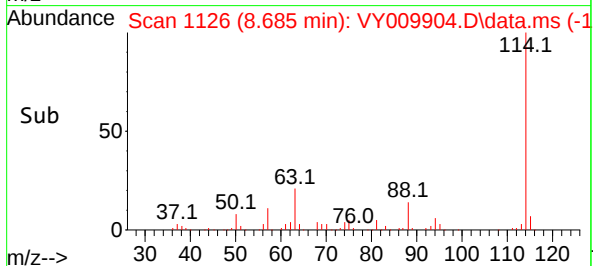
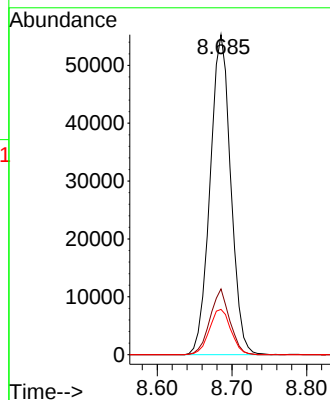
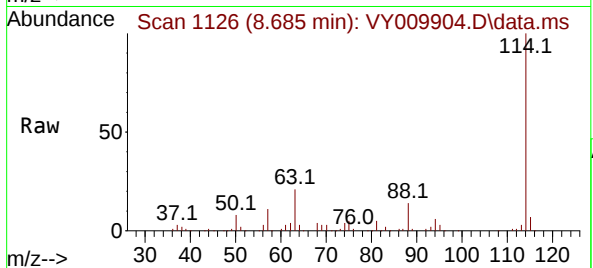
Tgt Ion:114 Resp: 106322

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

88 14.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 40.583 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.001 min

Lab File: VY009904.D

Acq: 09 Aug 2022 04:43

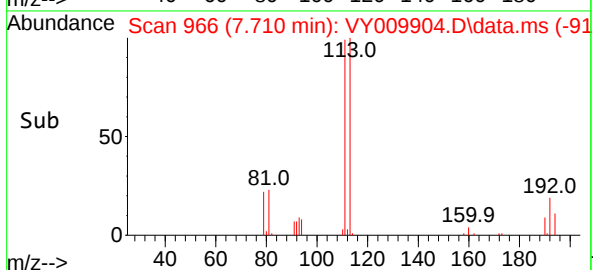
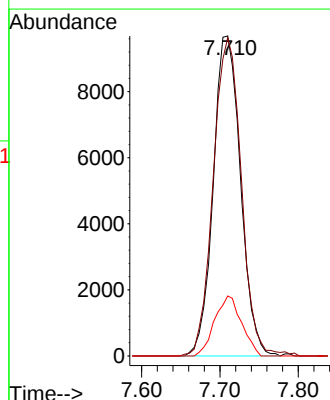
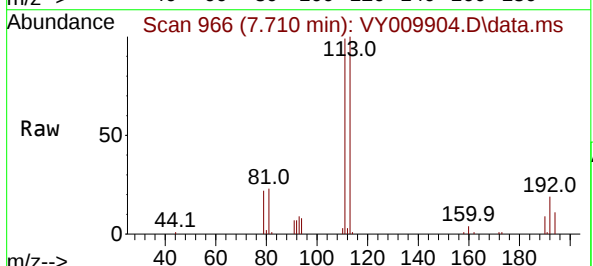
Tgt Ion:113 Resp: 23423

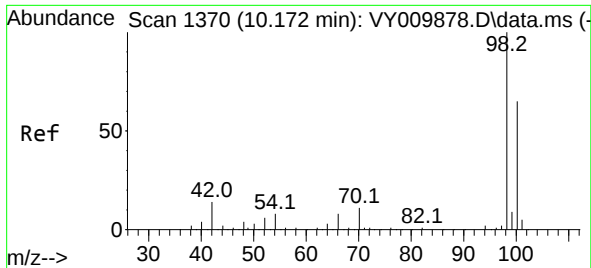
Ion Ratio Lower Upper

113 100

111 102.3 80.6 120.8

192 18.5 16.2 24.4

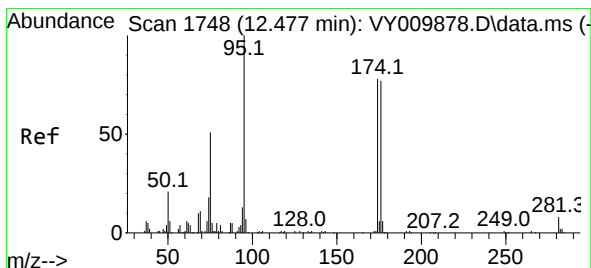
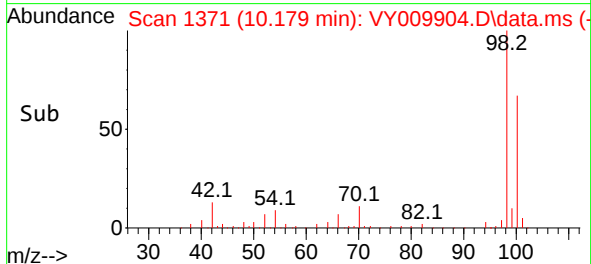
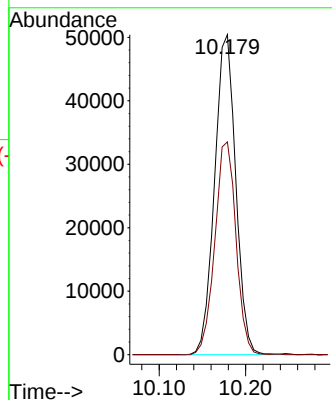
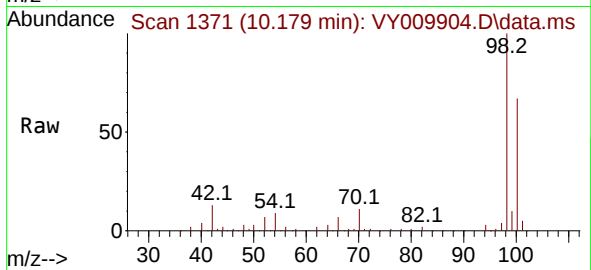




#50  
Toluene-d8  
Concen: 48.774 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY009904.D  
Acq: 09 Aug 2022 04:43

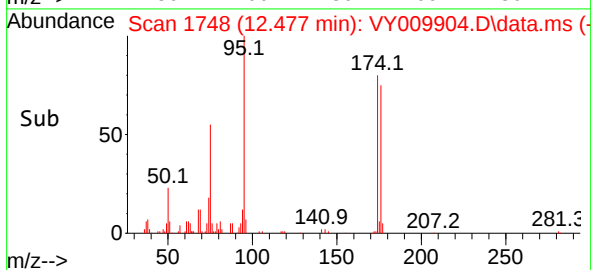
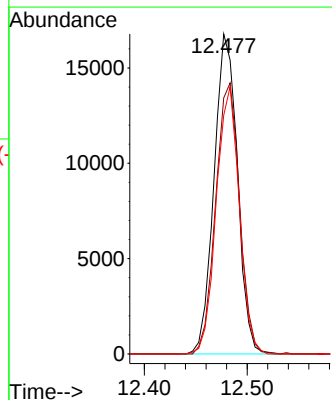
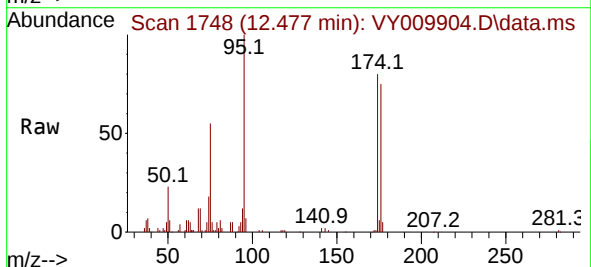
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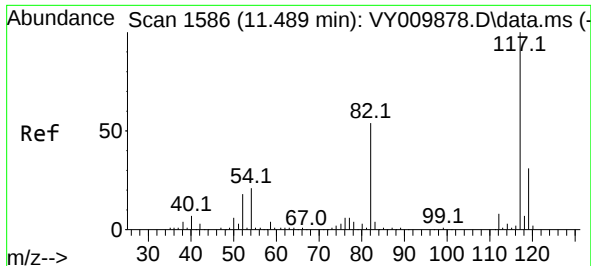
Tgt Ion: 98 Resp: 85561  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 32.790 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009904.D  
Acq: 09 Aug 2022 04:43

Tgt Ion: 95 Resp: 26425  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 173.8  
176 82.2 0.0 167.0

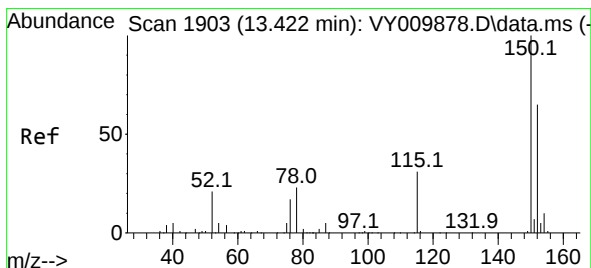
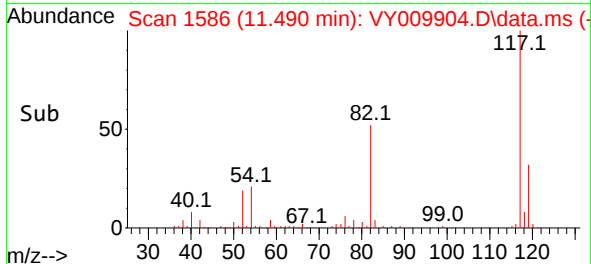
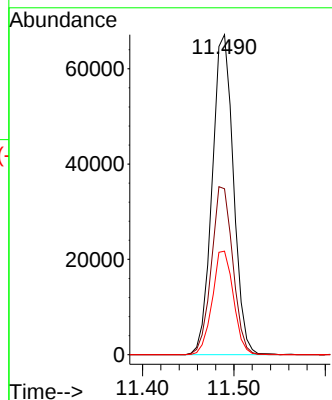
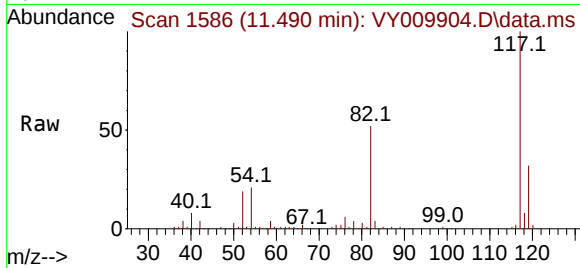




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY009904.D  
Acq: 09 Aug 2022 04:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-192

Tgt Ion:117 Resp: 108300  
Ion Ratio Lower Upper  
117 100  
82 51.8 41.8 62.6  
119 32.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009904.D  
Acq: 09 Aug 2022 04:43

Tgt Ion:152 Resp: 48790  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.6 85.9  
150 158.5 0.0 349.8

