

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032421\  
 Data File : VY004185.D  
 Acq On : 24 Mar 2021 14:02  
 Operator : SY/MD  
 Sample : M1730-01  
 Misc : 5.08g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-8A

Quant Time: Mar 25 01:19:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

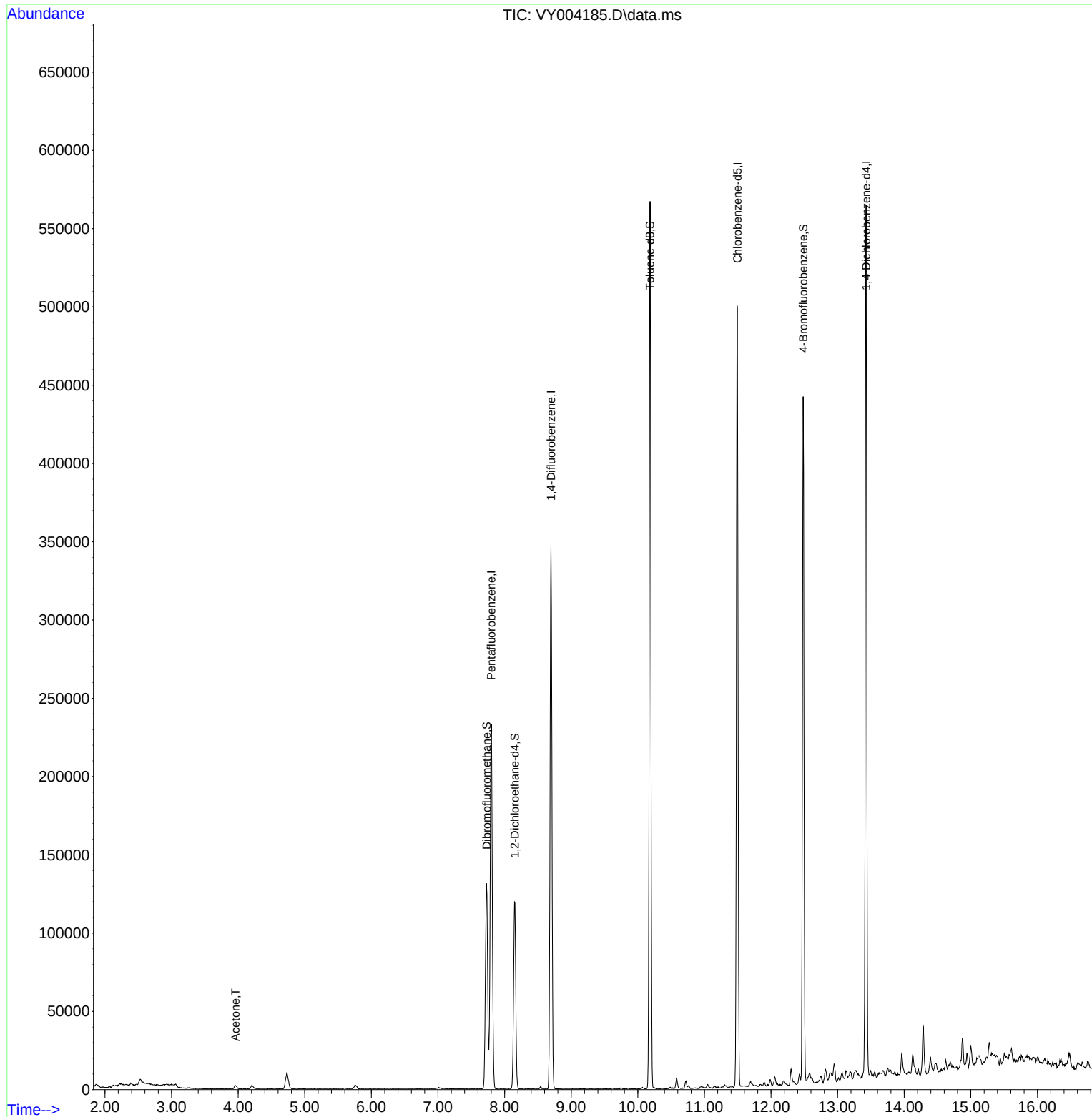
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 184171   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 301417   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 280371   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 139860   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 96497    | 53.09    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.18% |          |
| 35) Dibromofluoromethane    | 7.734  | 113   | 90660    | 53.34    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 106.68% |          |
| 50) Toluene-d8              | 10.185 | 98    | 356894   | 53.56    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 107.12% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 128575   | 52.24    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 104.48% |          |
| Target Compounds            |        |       |          |          |           | Qvalue   |
| 16) Acetone                 | 3.960  | 43    | 3937     | 8.97     | ug/l      | 99       |
| -----                       |        |       |          |          |           |          |

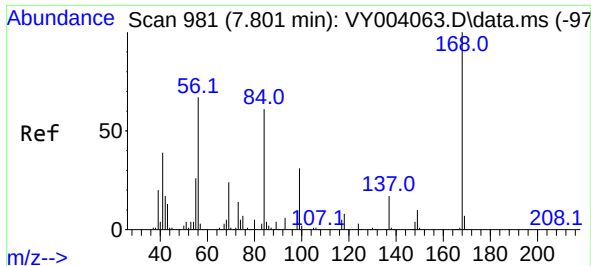
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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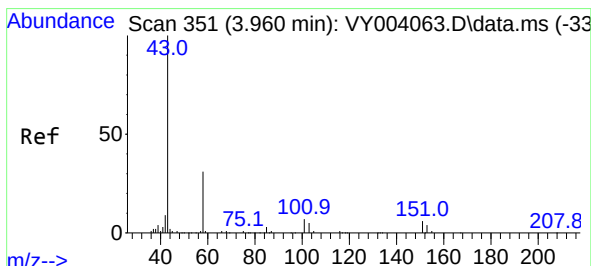
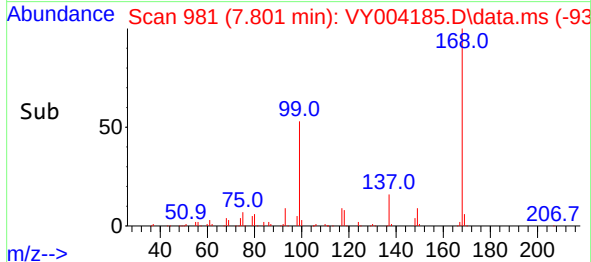
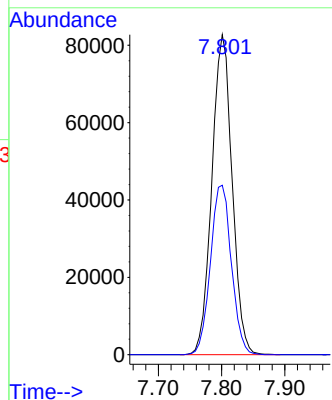
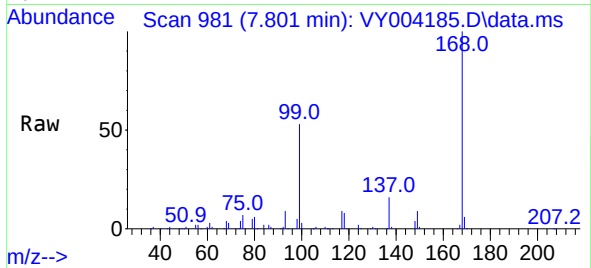




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004185.D  
Acq: 24 Mar 2021 14:02

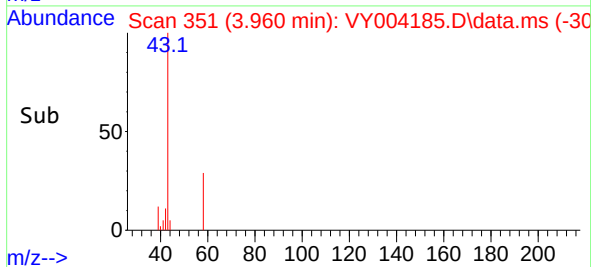
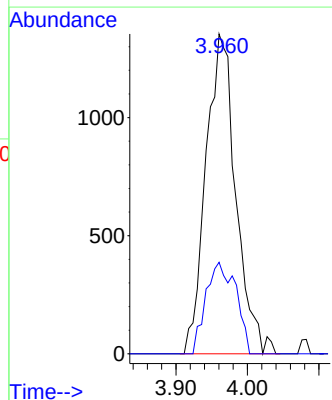
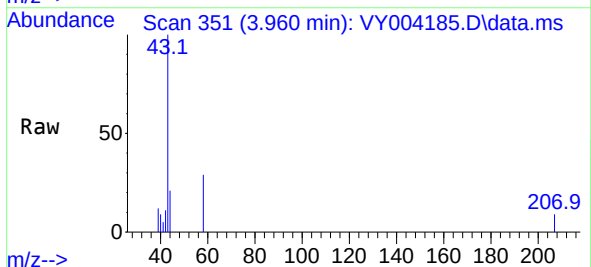
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-8A

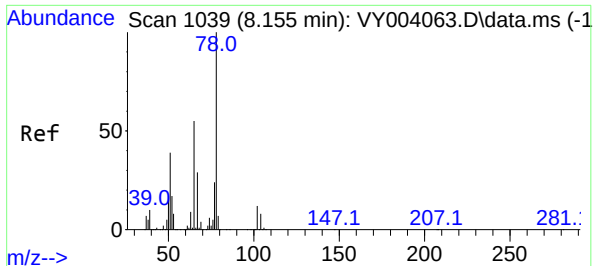
Tgt Ion:168 Resp: 184171  
Ion Ratio Lower Upper  
168 100  
99 52.9 41.2 61.8



#16  
Acetone  
Concen: 8.97 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004185.D  
Acq: 24 Mar 2021 14:02

Tgt Ion: 43 Resp: 3937  
Ion Ratio Lower Upper  
43 100  
58 28.7 22.6 34.0

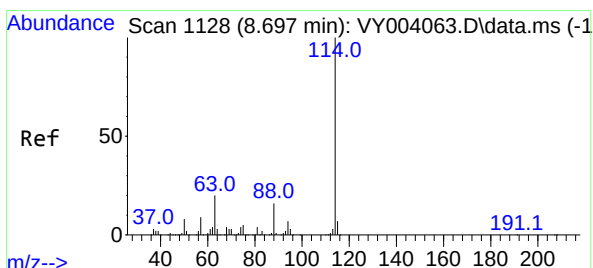
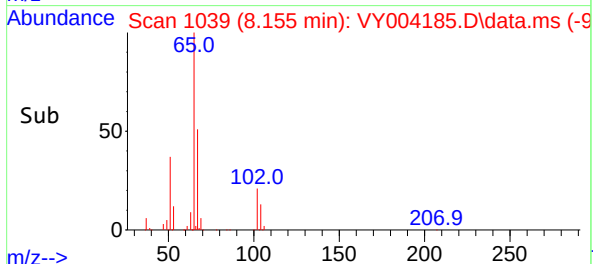
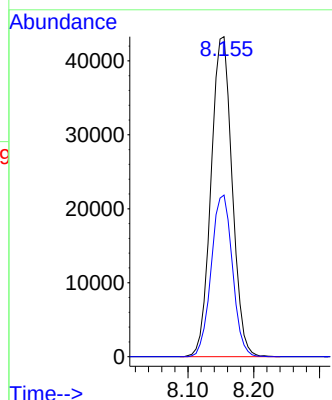
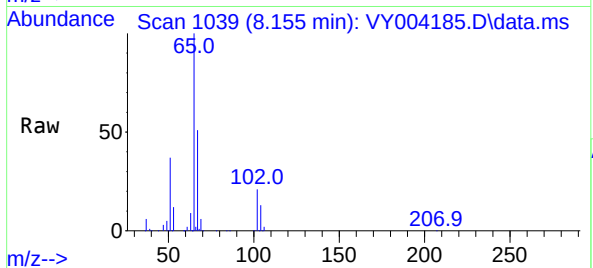




#33  
1,2-Dichloroethane-d4  
Concen: 53.09 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY004185.D  
Acq: 24 Mar 2021 14:02

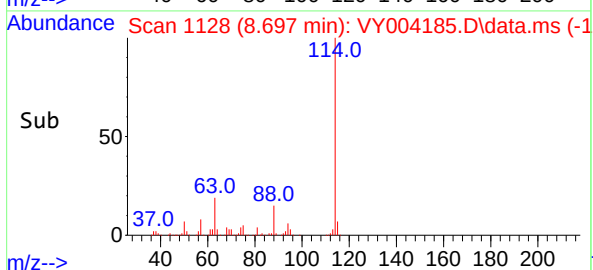
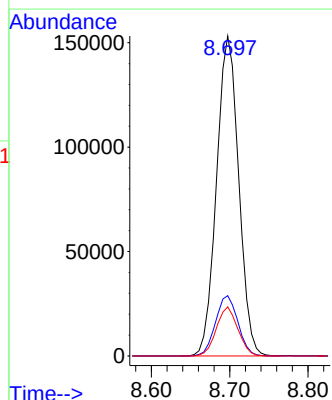
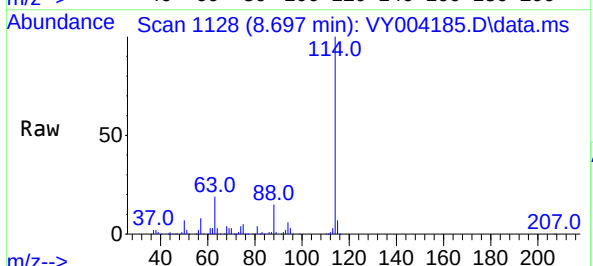
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-8A

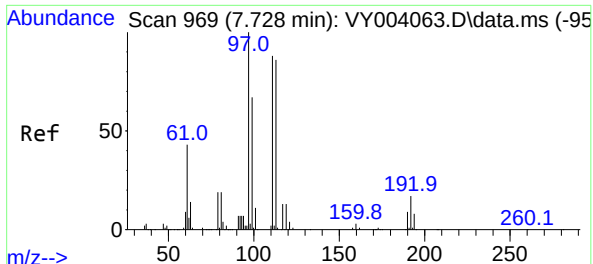
Tgt Ion: 65 Resp: 96497  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004185.D  
Acq: 24 Mar 2021 14:02

Tgt Ion:114 Resp: 301417  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 41.6  
88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.34 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY004185.D

Acq: 24 Mar 2021 14:02

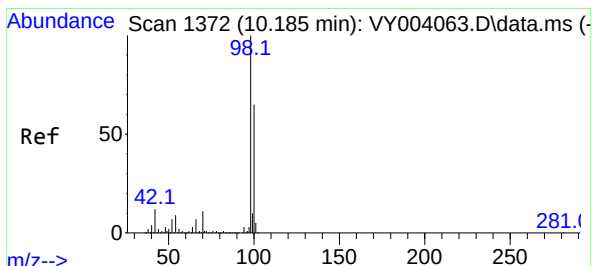
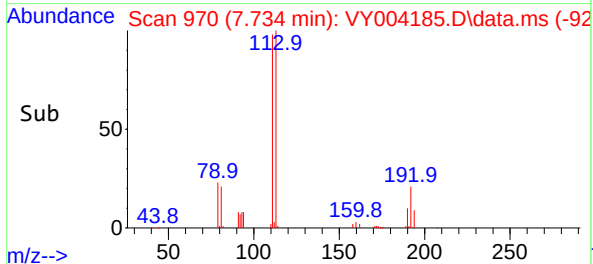
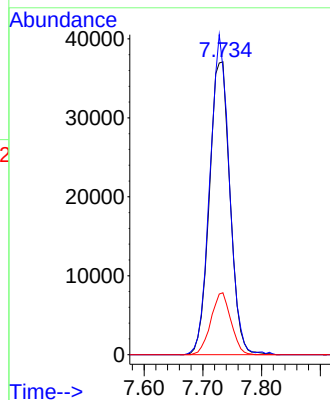
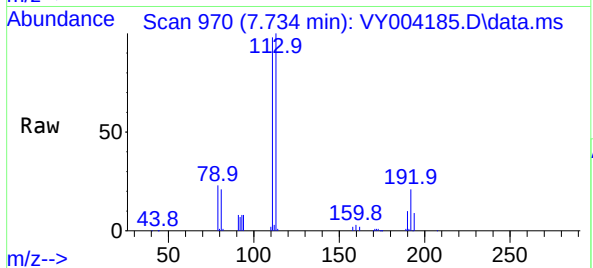
Tgt Ion:113 Resp: 90660

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 20.5 18.5 27.7



#50

Toluene-d8

Concen: 53.56 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY004185.D

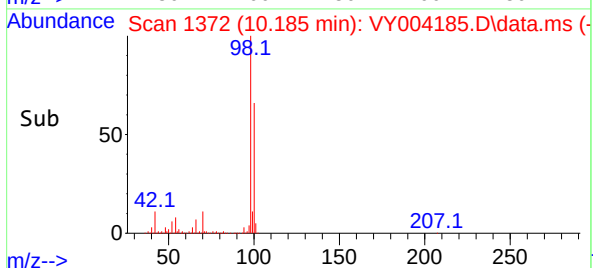
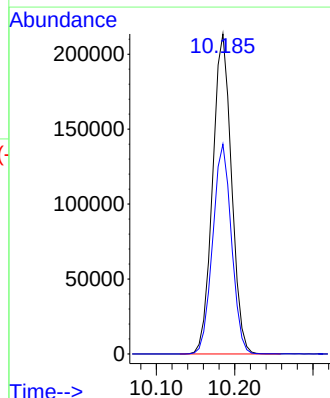
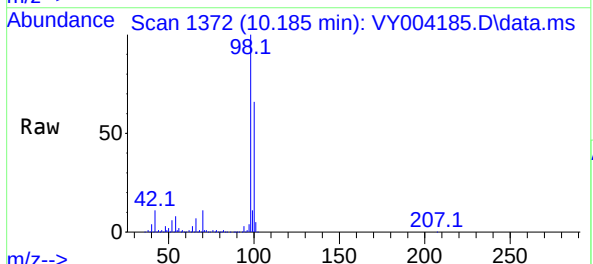
Acq: 24 Mar 2021 14:02

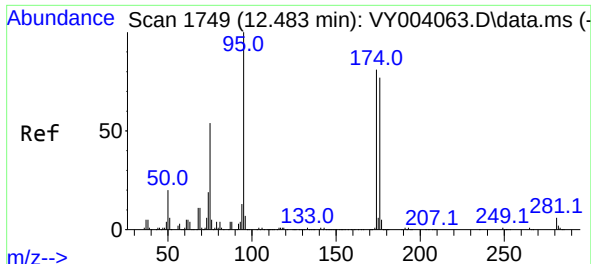
Tgt Ion: 98 Resp: 356894

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.6



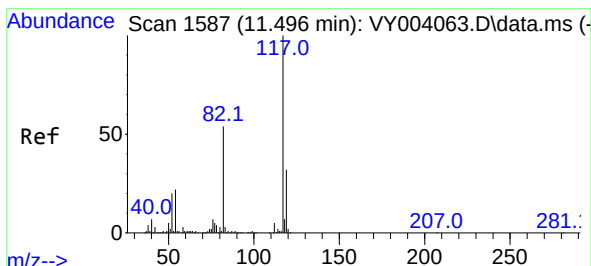
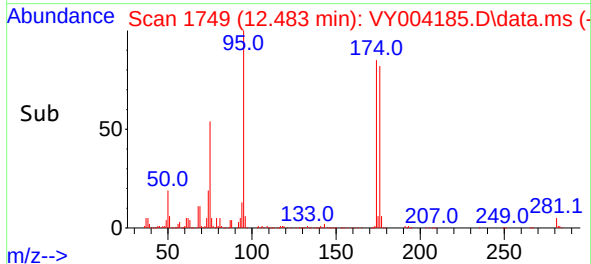
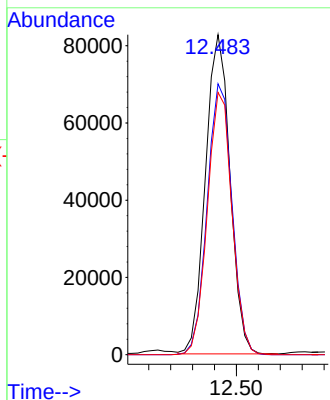
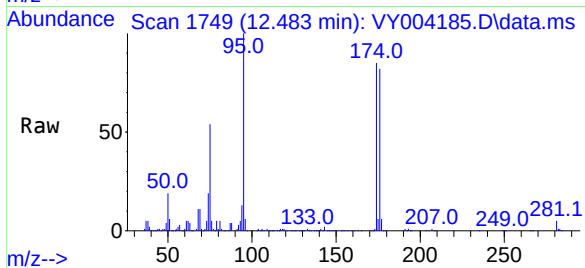


#62  
4-Bromofluorobenzene  
Concen: 52.24 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004185.D  
Acq: 24 Mar 2021 14:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-8A

Tgt Ion: 95 Resp: 128575

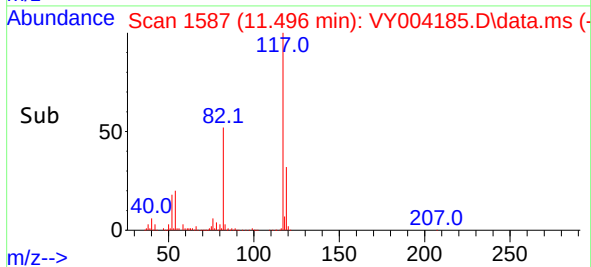
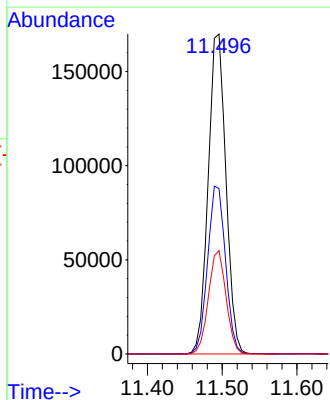
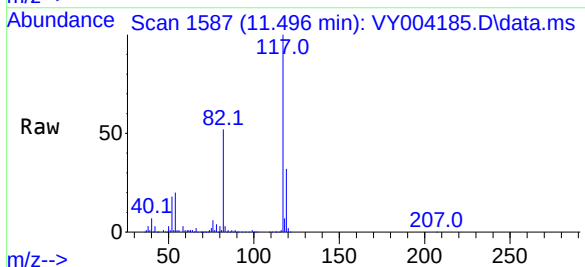
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 85.8  | 0.0   | 179.0 |
| 176 | 82.3  | 0.0   | 174.4 |

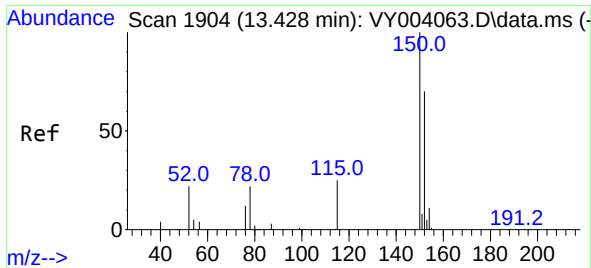


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004185.D  
Acq: 24 Mar 2021 14:02

Tgt Ion: 117 Resp: 280371

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 51.7  | 43.8  | 65.6  |
| 119 | 32.3  | 26.2  | 39.2  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY004185.D  
 Acq: 24 Mar 2021 14:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-8A

Tgt Ion:152 Resp: 139860  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 57.4  | 28.2  | 84.6  |
| 150 | 155.9 | 0.0   | 347.2 |

