

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040621\  
 Data File : VY004293.D  
 Acq On : 06 Apr 2021 11:16  
 Operator : SY/MD  
 Sample : M1934-01  
 Misc : 4.94g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3

Quant Time: Apr 07 00:57:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 30 06:38:14 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 179614   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 311567   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 293033   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 131657   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 112811   | 65.33    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 130.66% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 96903    | 55.82    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.64% |
| 50) Toluene-d8              | 10.185 | 98    | 381404   | 58.41    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 116.82% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 130756   | 58.43    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 116.86% |

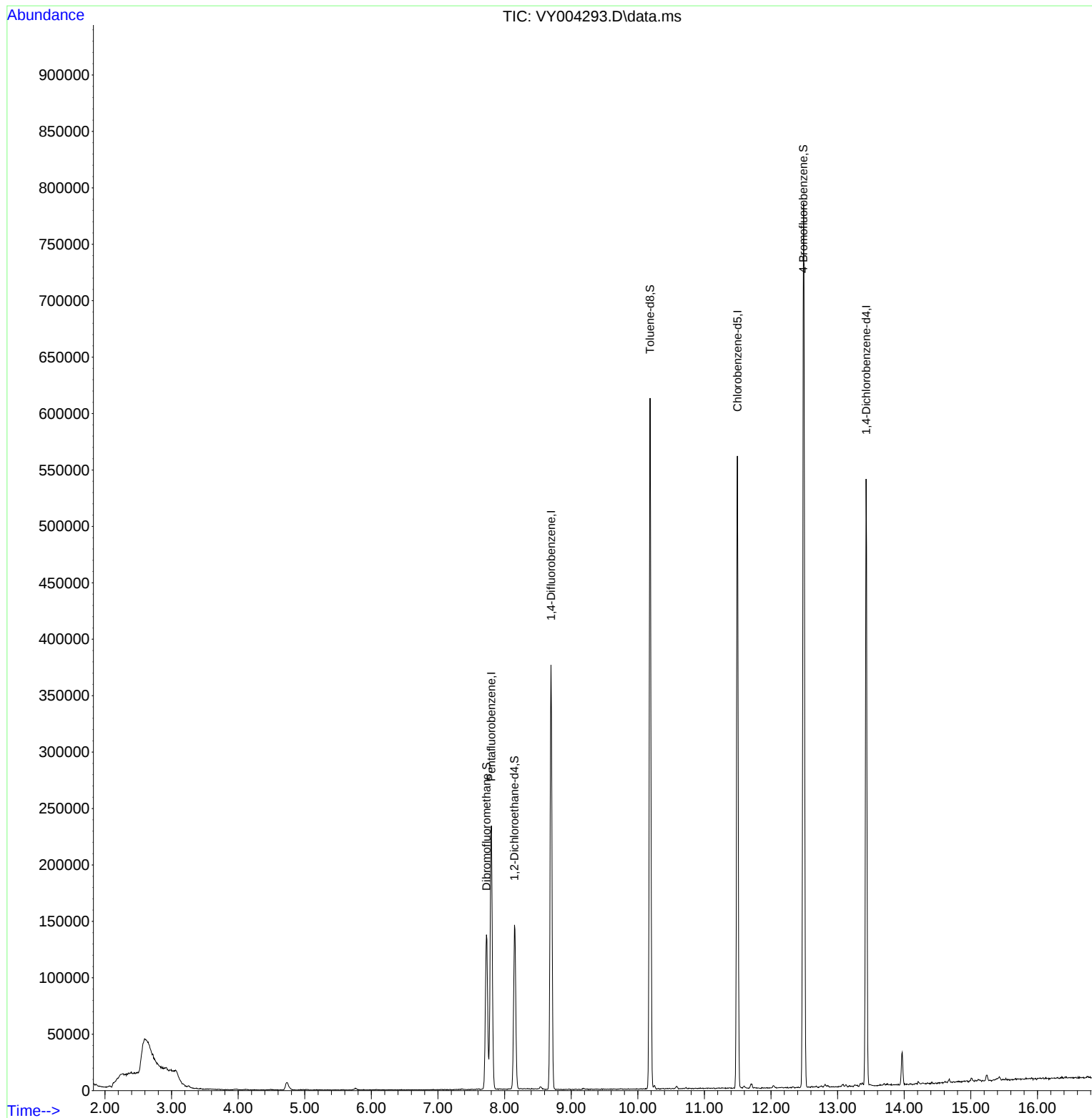
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

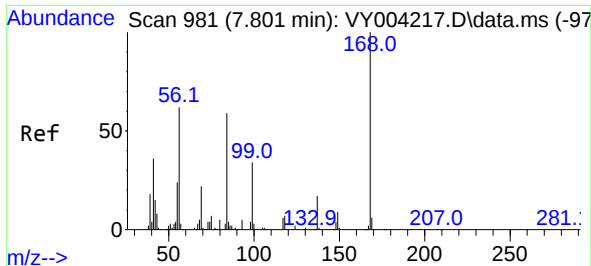
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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TP-3

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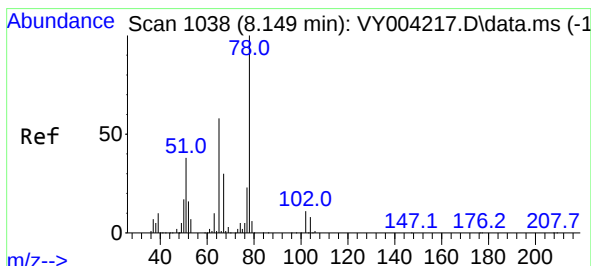
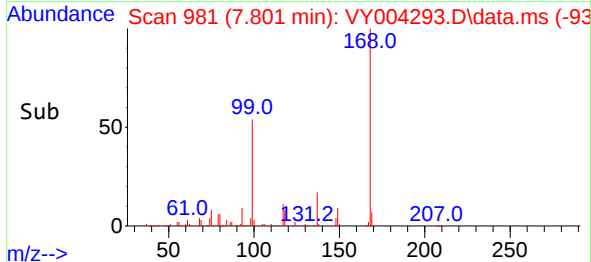
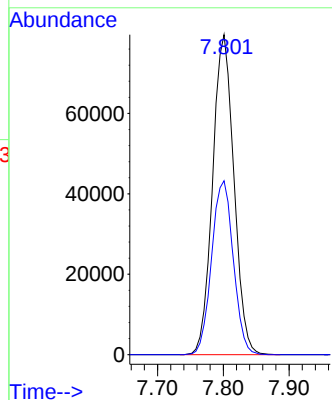
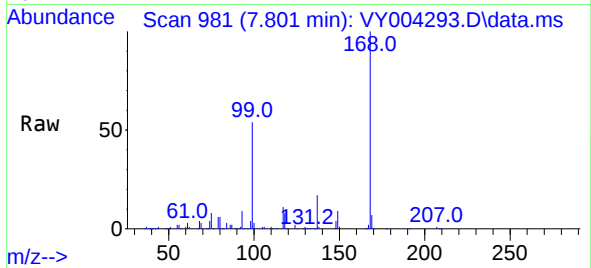




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

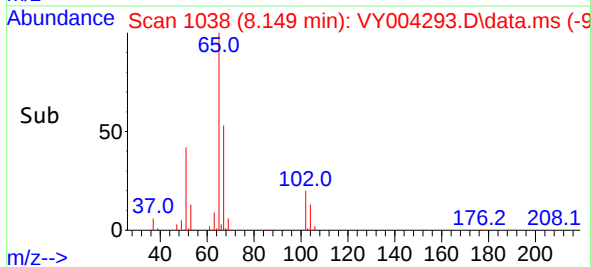
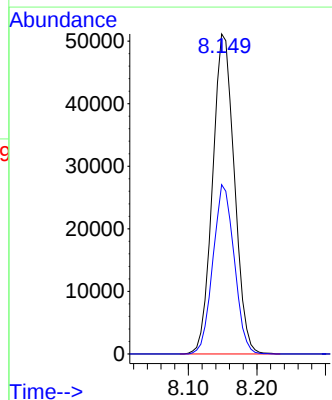
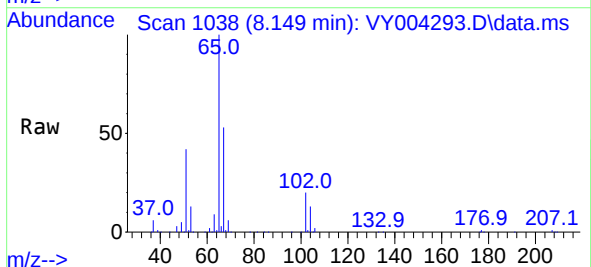
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-3

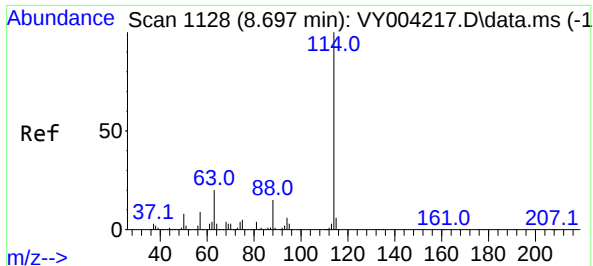
Tgt Ion:168 Resp: 179614  
Ion Ratio Lower Upper  
168 100  
99 54.4 42.6 64.0



#33  
1,2-Dichloroethane-d4  
Concen: 65.33 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

Tgt Ion: 65 Resp: 112811  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.2





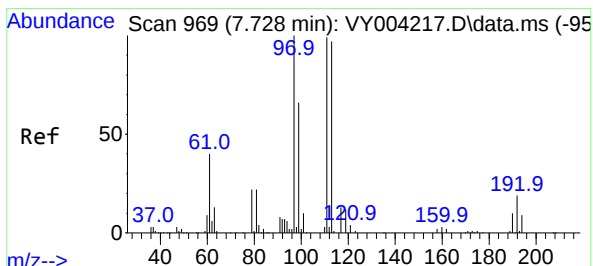
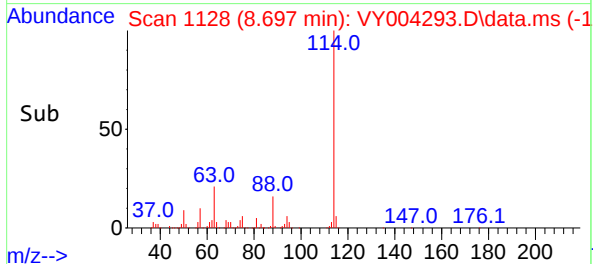
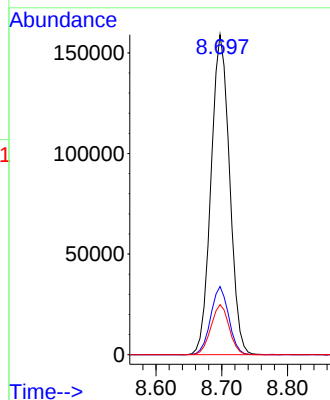
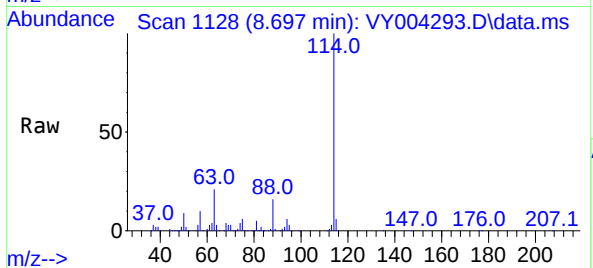
#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

Tgt Ion:114 Resp: 311567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.3  | 0.0   | 40.4  |
| 88  | 15.6  | 0.0   | 30.8  |

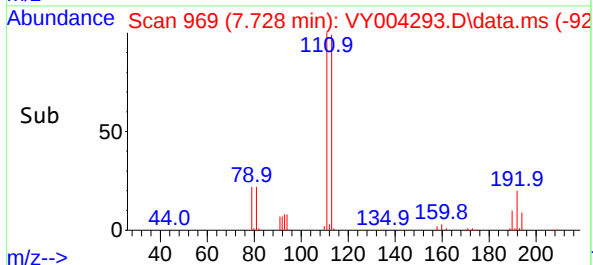
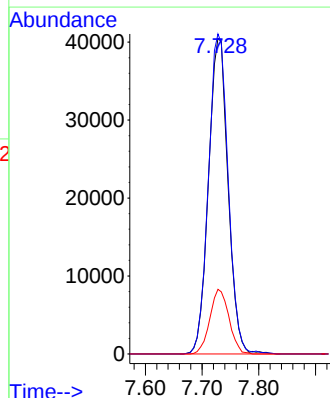
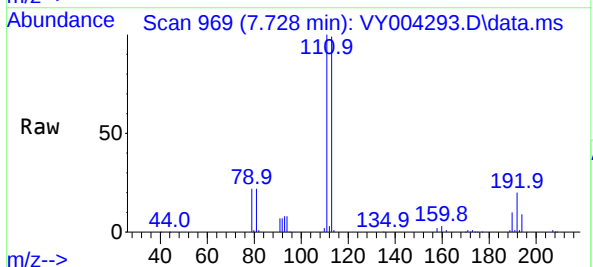


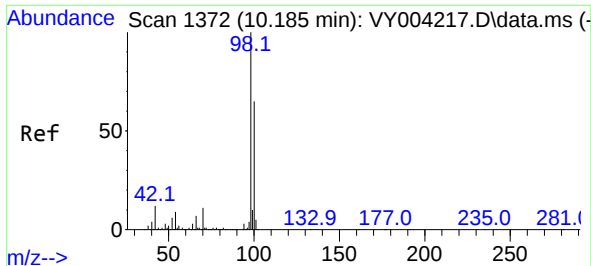
#35

Dibromofluoromethane  
Concen: 55.82 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

Tgt Ion:113 Resp: 96903

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.3 | 82.6  | 124.0 |
| 192 | 20.0  | 16.4  | 24.6  |

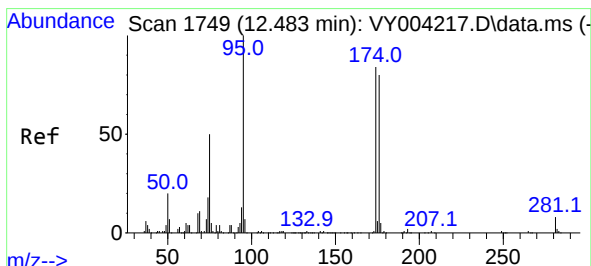
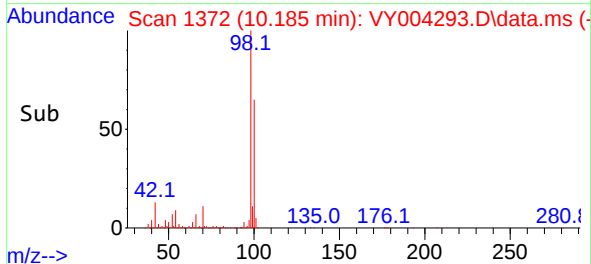
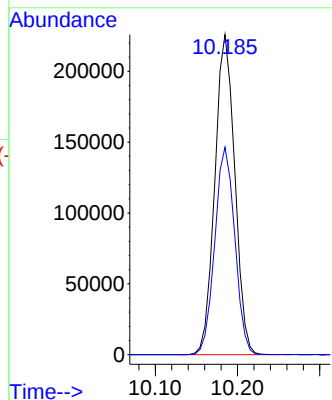
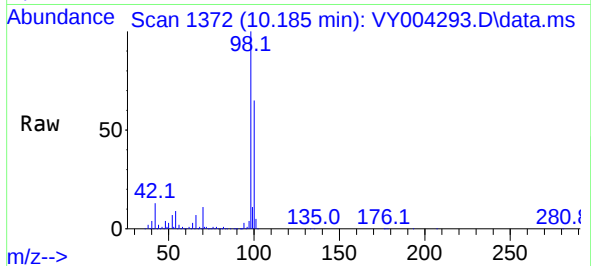




#50  
Toluene-d8  
Concen: 58.41 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

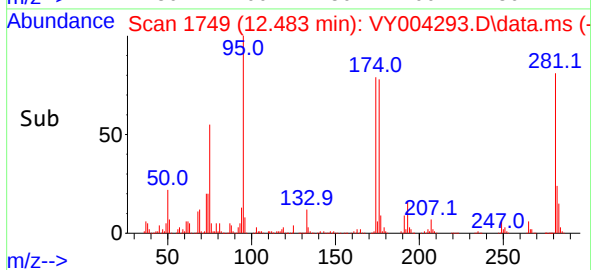
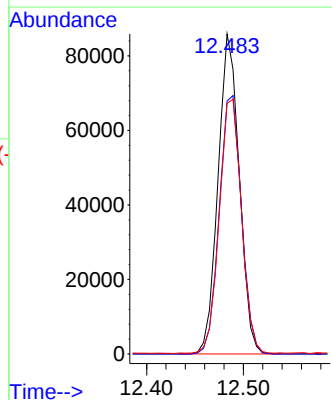
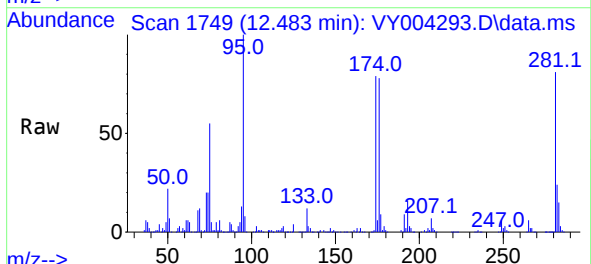
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-3

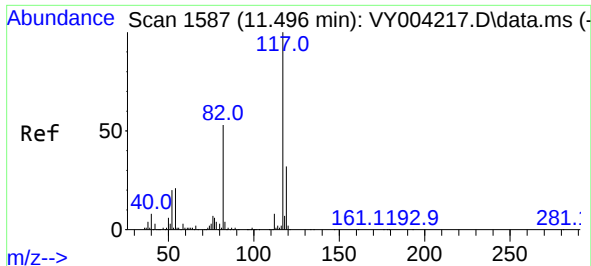
Tgt Ion: 98 Resp: 381404  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 58.43 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

Tgt Ion: 95 Resp: 130756  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 171.4  
176 82.9 0.0 165.6



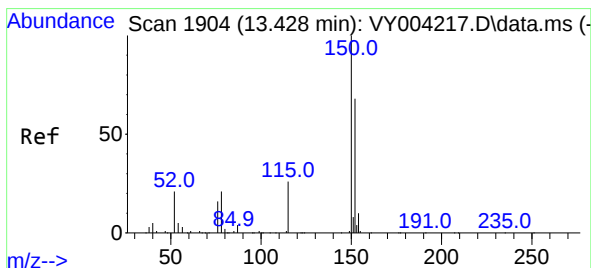
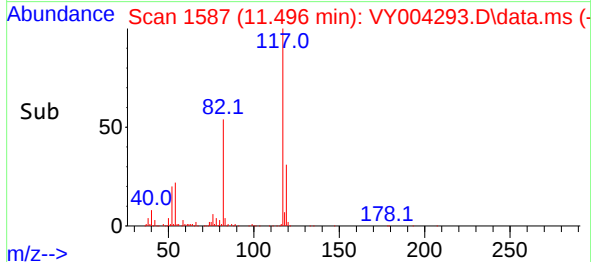
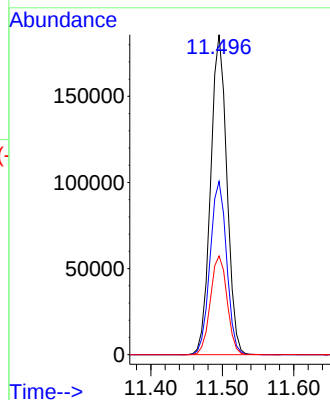
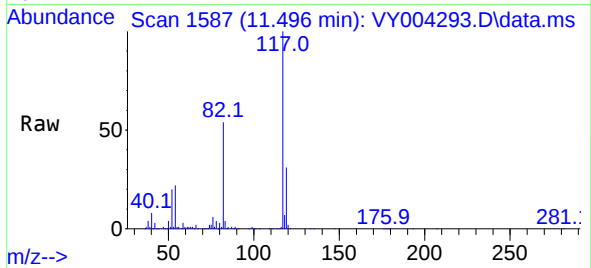


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-3

Tgt Ion:117 Resp: 293033

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.2  | 42.7  | 64.1  |
| 119 | 30.9  | 25.7  | 38.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004293.D  
Acq: 06 Apr 2021 11:16

Tgt Ion:152 Resp: 131657

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.0  | 29.0  | 87.1  |
| 150 | 157.4 | 0.0   | 347.4 |

