

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042121\  
 Data File : VY004555.D  
 Acq On : 21 Apr 2021 15:00  
 Operator : SY/MD  
 Sample : M2111-03  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-3

Quant Time: Apr 22 11:17:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

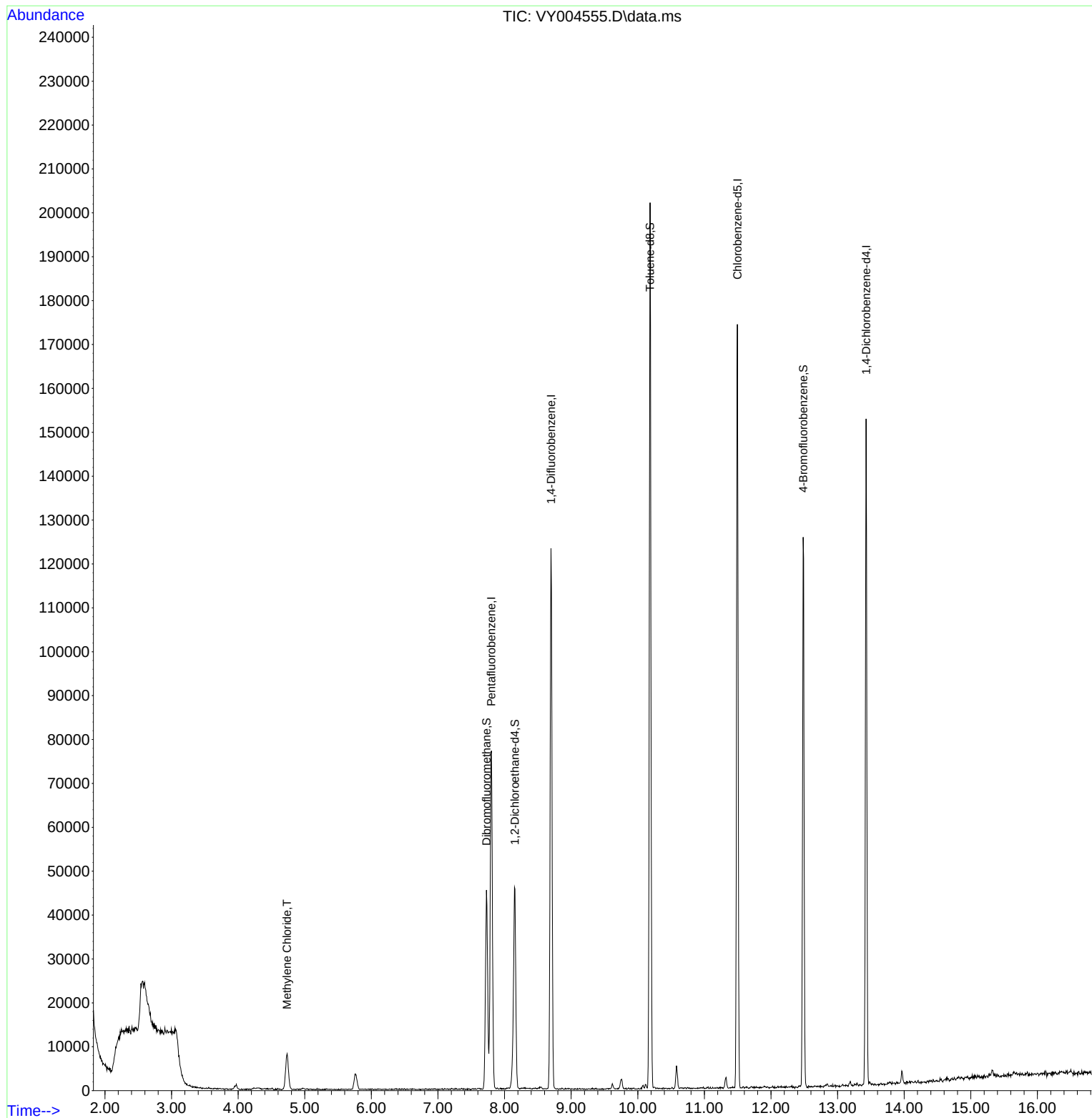
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 59013    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 100013   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 87930    | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 35489    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 34450    | 52.54    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.08% |          |
| 35) Dibromofluoromethane    | 7.728  | 113   | 30112    | 54.25    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 108.50% |          |
| 50) Toluene-d8              | 10.185 | 98    | 120643   | 51.10    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 102.20% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 35797    | 44.68    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 89.36%  |          |
| Target Compounds            |        |       |          |          |           | Qvalue   |
| 20) Methylene Chloride      | 4.735  | 84    | 5735     | 9.06     | ug/l      | 98       |
| -----                       |        |       |          |          |           |          |

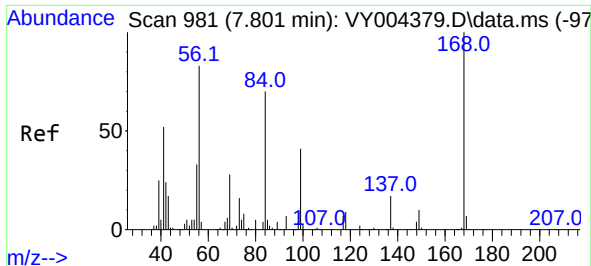
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2111-03  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-3

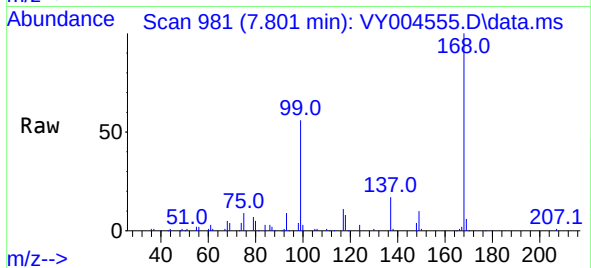
Quant Time: Apr 22 11:17:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
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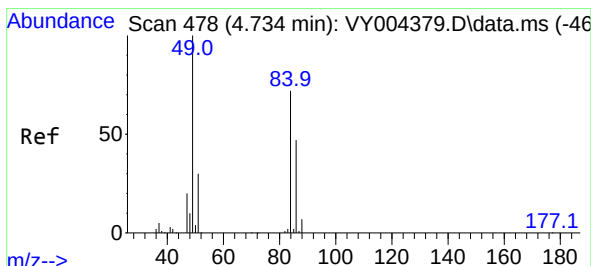
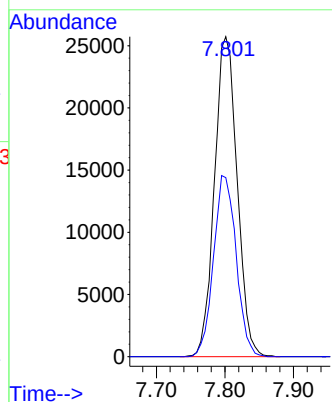
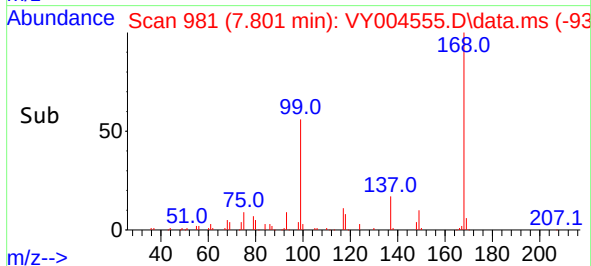


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

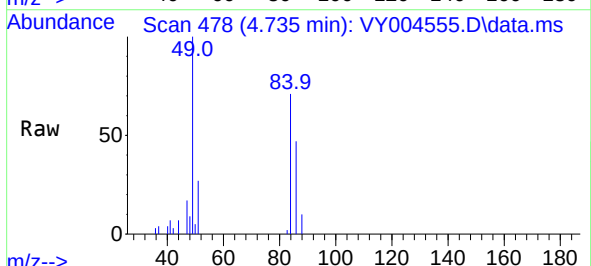
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-3



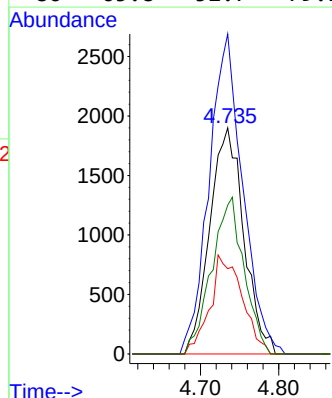
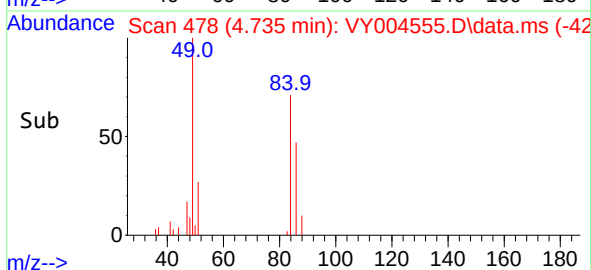
Tgt Ion:168 Resp: 59013  
Ion Ratio Lower Upper  
168 100  
99 56.0 45.5 68.3

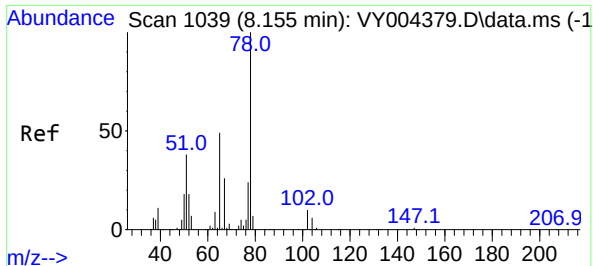


#20  
Methylene Chloride  
Concen: 9.06 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00



Tgt Ion: 84 Resp: 5735  
Ion Ratio Lower Upper  
84 100  
49 141.5 111.2 166.8  
51 37.7 33.4 50.2  
86 65.8 52.7 79.1

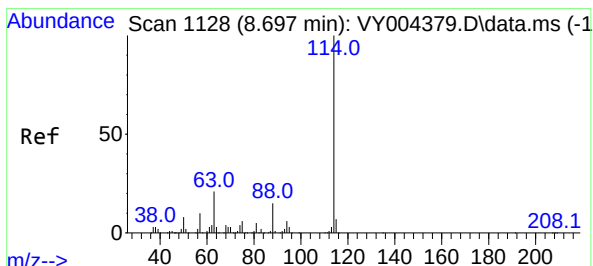
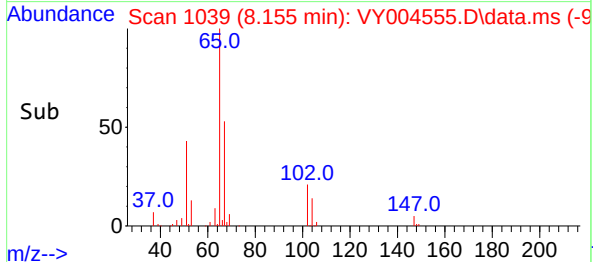
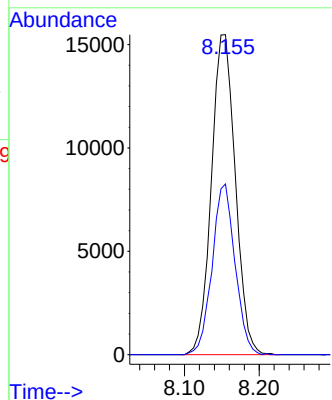
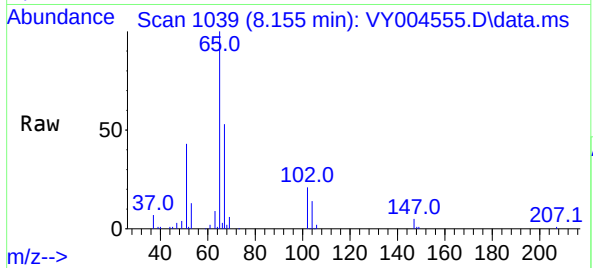




#33  
1,2-Dichloroethane-d4  
Concen: 52.54 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

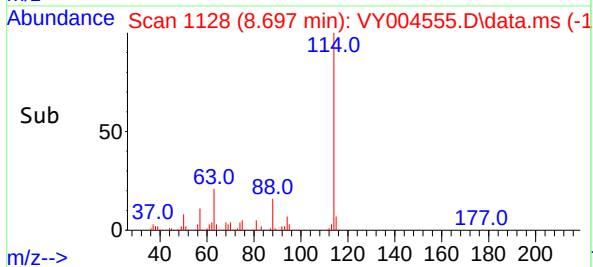
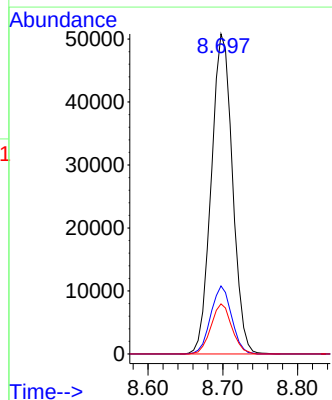
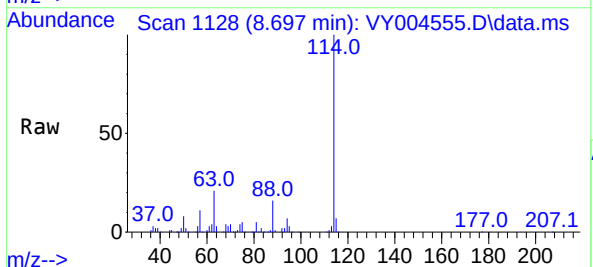
Instrument :  
MSVOA\_Y  
ClientSampled :  
S-3

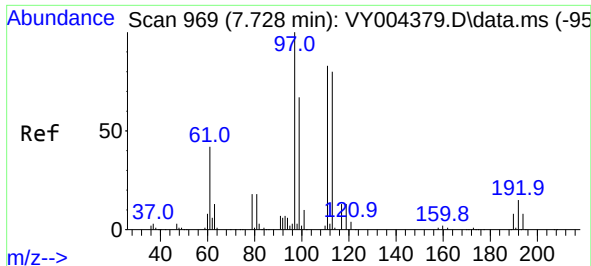
Tgt Ion: 65 Resp: 34450  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 106.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

Tgt Ion: 114 Resp: 100013  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 42.4  
88 15.6 0.0 30.8

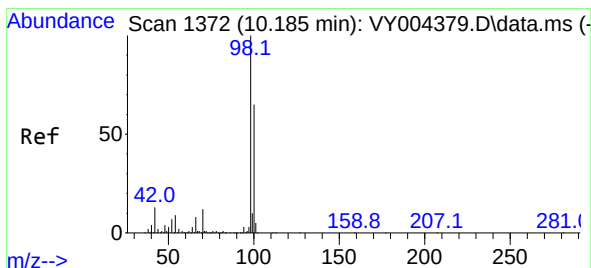
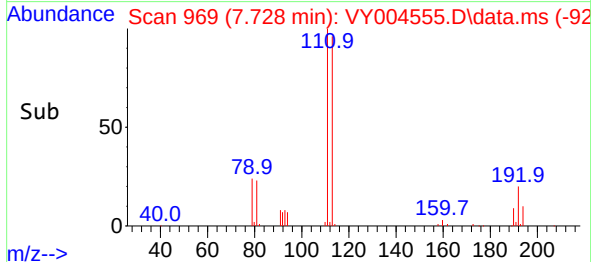
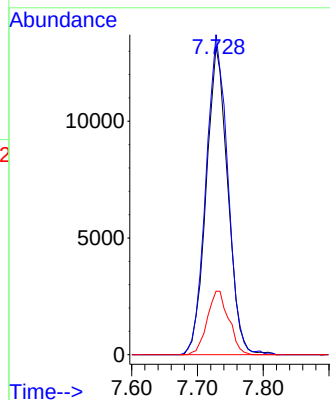
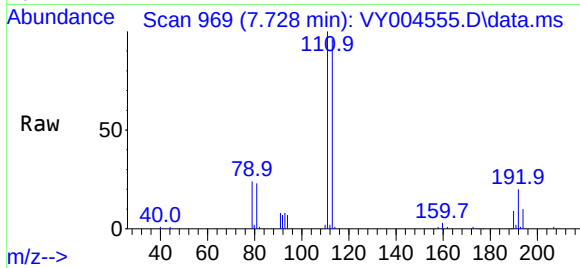




#35  
Dibromofluoromethane  
Concen: 54.25 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

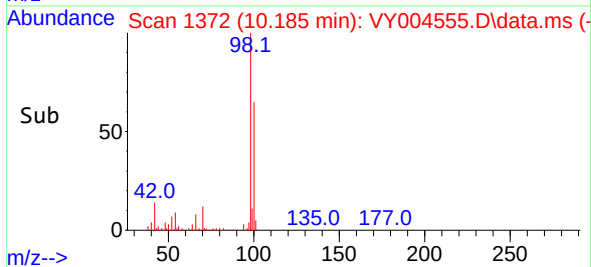
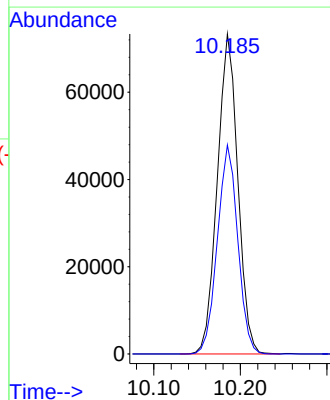
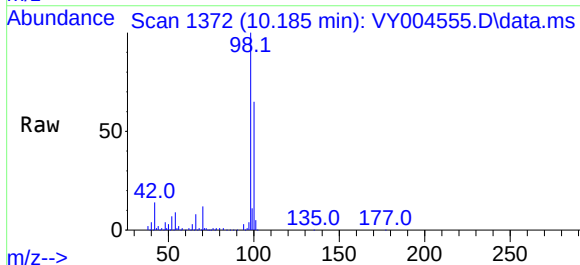
Instrument :  
MSVOA\_Y  
ClientSampled :  
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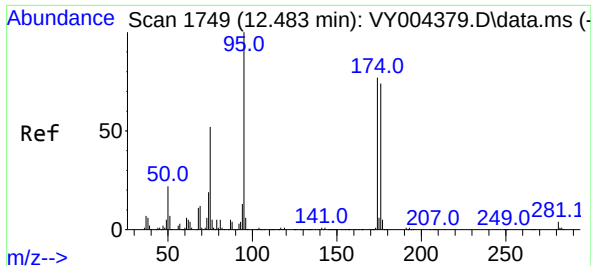
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 30112 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.2 | 82.6  | 123.8 |
| 192      | 20.6  | 16.1  | 24.1  |



#50  
Toluene-d8  
Concen: 51.10 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 120643 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.9  | 51.8  | 77.6   |



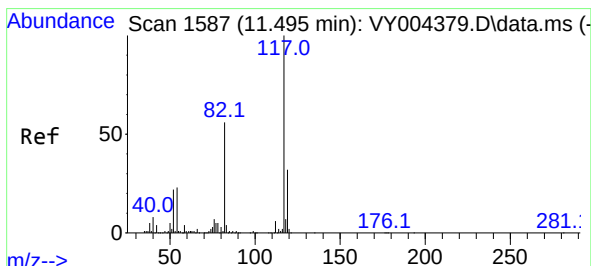
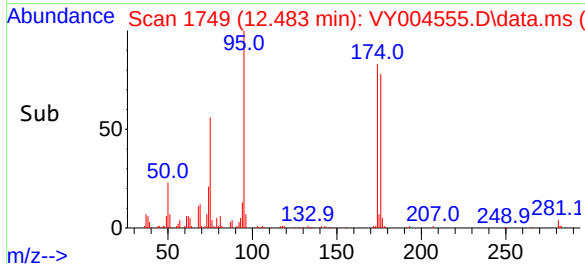
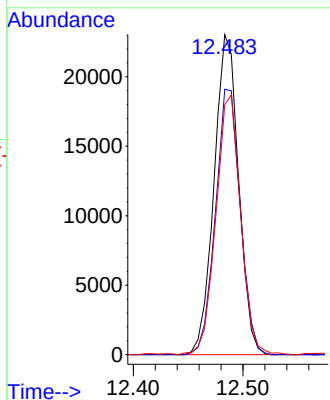
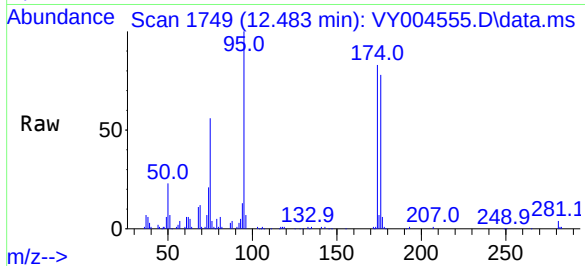


#62  
4-Bromofluorobenzene  
Concen: 44.68 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-3

Tgt Ion: 95 Resp: 35797

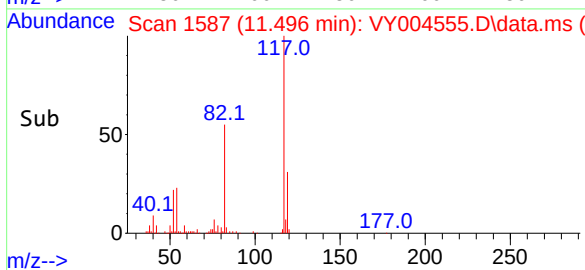
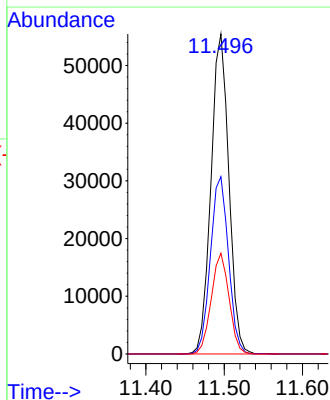
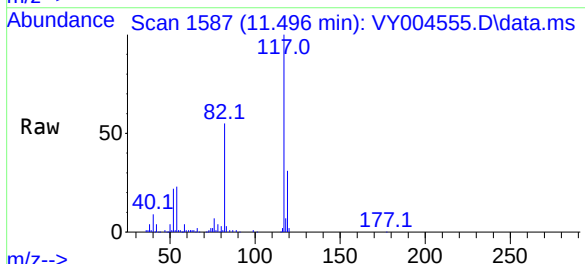
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 84.0  | 0.0   | 162.4 |
| 176 | 81.6  | 0.0   | 156.0 |

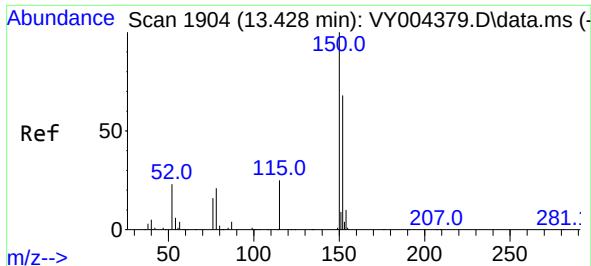


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004555.D  
Acq: 21 Apr 2021 15:00

Tgt Ion: 117 Resp: 87930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.4  | 44.9  | 67.3  |
| 119 | 31.5  | 25.4  | 38.0  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY004555.D  
 Acq: 21 Apr 2021 15:00

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 S-3

Tgt Ion:152 Resp: 35489  
 Ion Ratio Lower Upper  
 152 100  
 115 58.5 29.6 88.8  
 150 160.0 0.0 348.4

