

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042121\  
 Data File : VY004559.D  
 Acq On : 21 Apr 2021 16:33  
 Operator : SY/MD  
 Sample : M2111-07  
 Misc : 5.09G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-11

Quant Time: Apr 22 11:18:41 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

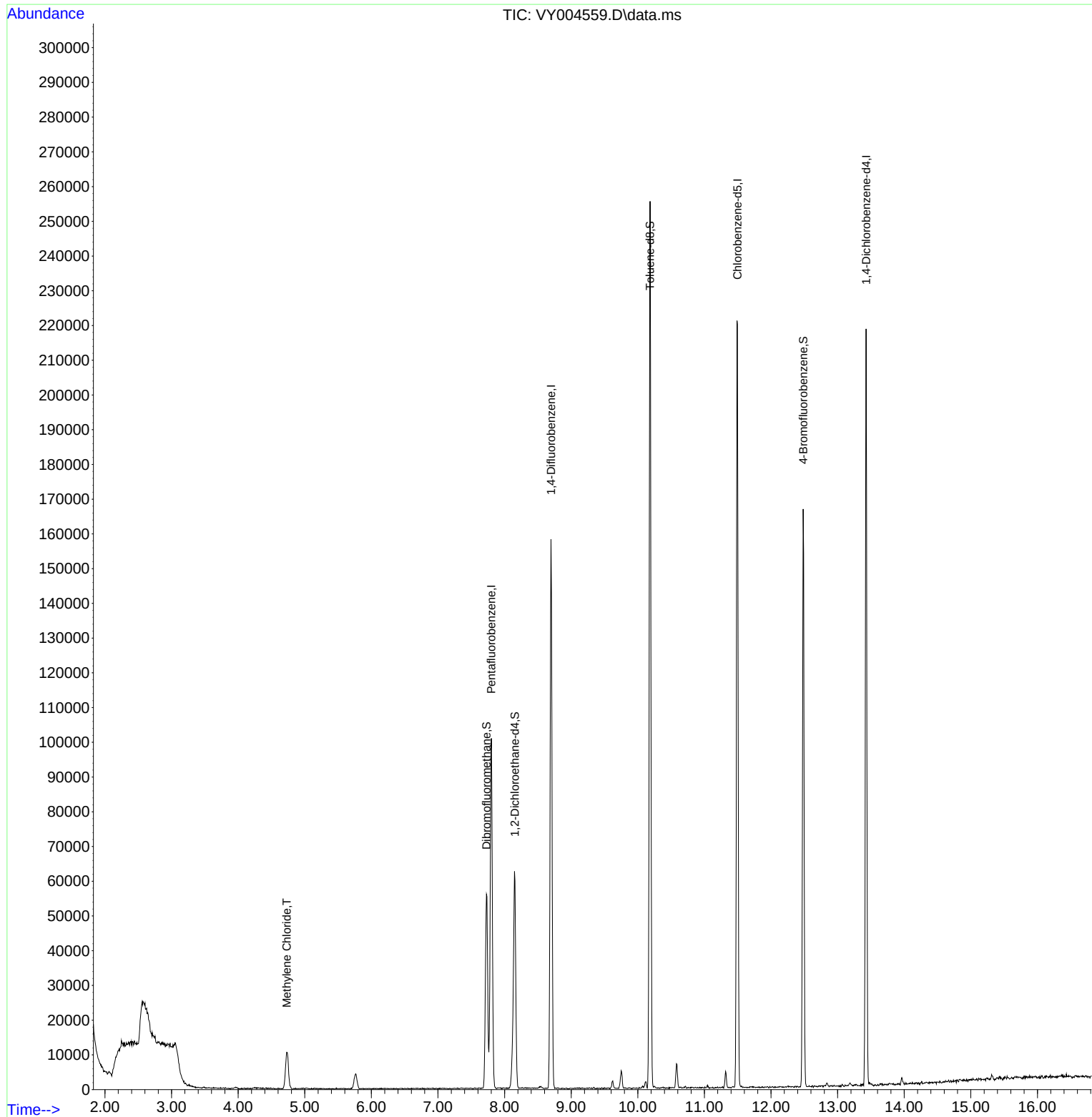
| Compound                    | R.T.           | QIon | Response           | Conc  | Units | Dev(Min)  |
|-----------------------------|----------------|------|--------------------|-------|-------|-----------|
| -----                       |                |      |                    |       |       |           |
| Internal Standards          |                |      |                    |       |       |           |
| 1) Pentafluorobenzene       | 7.801          | 168  | 74986              | 50.00 | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.697          | 114  | 127876             | 50.00 | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.496         | 117  | 115614             | 50.00 | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 50942              | 50.00 | ug/l  | 0.00      |
|                             |                |      |                    |       |       |           |
| System Monitoring Compounds |                |      |                    |       |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.155          | 65   | 44724              | 53.68 | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 107.36% |       |       |           |
| 35) Dibromofluoromethane    | 7.728          | 113  | 38937              | 54.87 | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 109.74% |       |       |           |
| 50) Toluene-d8              | 10.185         | 98   | 155968             | 51.67 | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 103.34% |       |       |           |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 48725              | 47.57 | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 95.14%  |       |       |           |
|                             |                |      |                    |       |       |           |
| Target Compounds            |                |      |                    |       |       |           |
| 20) Methylene Chloride      | 4.729          | 84   | 7479               | 9.29  | ug/l  | Qvalue 96 |
| -----                       |                |      |                    |       |       |           |

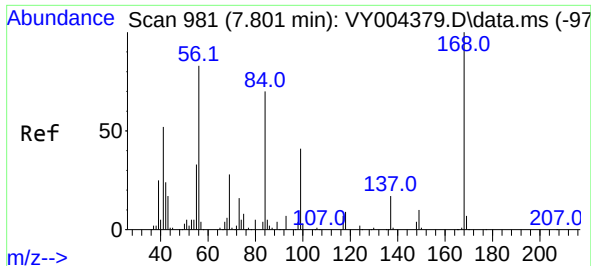
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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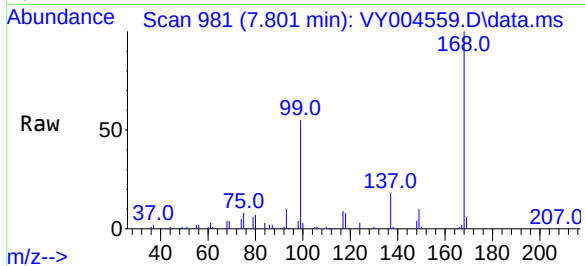
Quant Time: Apr 22 11:18:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
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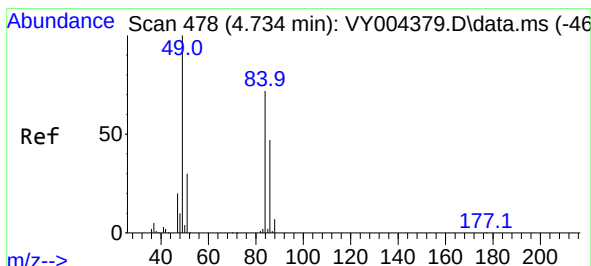
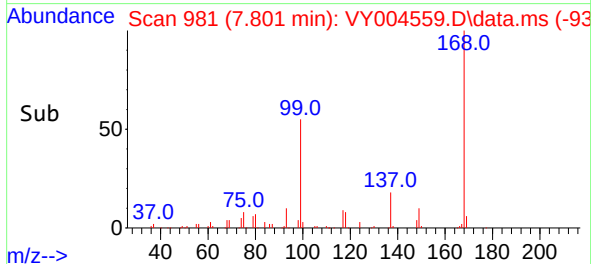
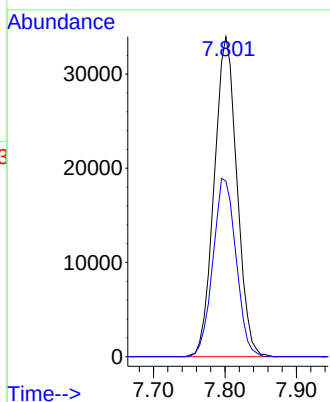


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

Instrument :  
MSVOA\_Y  
ClientSampled :  
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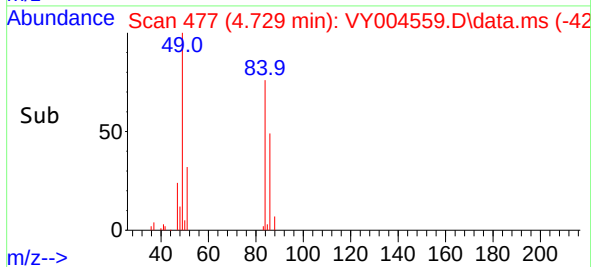
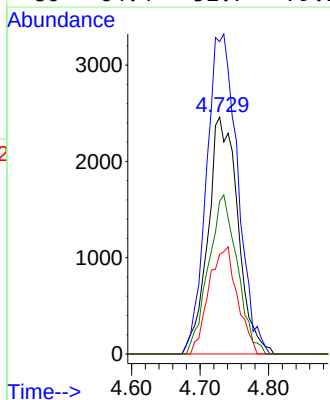
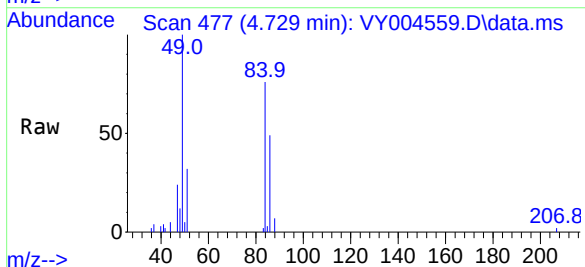


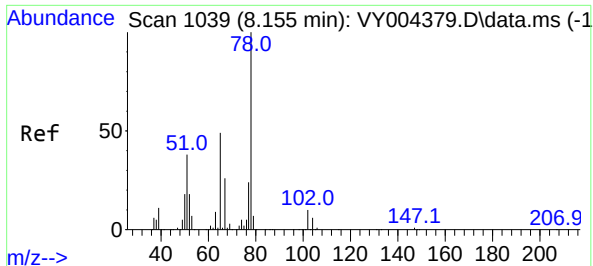
Tgt Ion:168 Resp: 74986  
Ion Ratio Lower Upper  
168 100  
99 54.9 45.5 68.3



#20  
Methylene Chloride  
Concen: 9.29 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.006 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

Tgt Ion: 84 Resp: 7479  
Ion Ratio Lower Upper  
84 100  
49 131.9 111.2 166.8  
51 42.1 33.4 50.2  
86 64.4 52.7 79.1

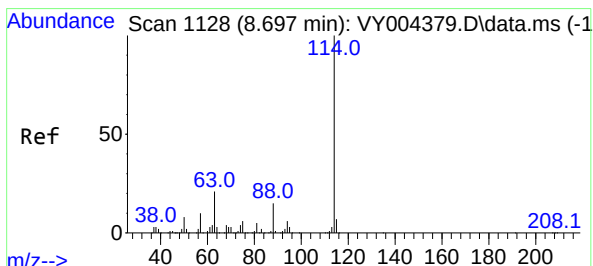
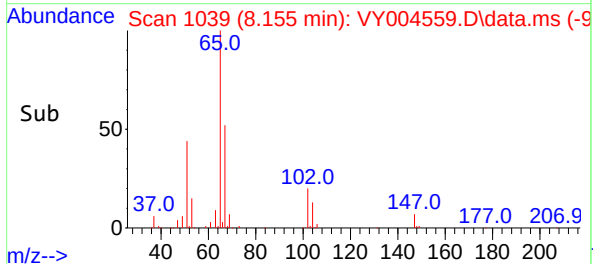
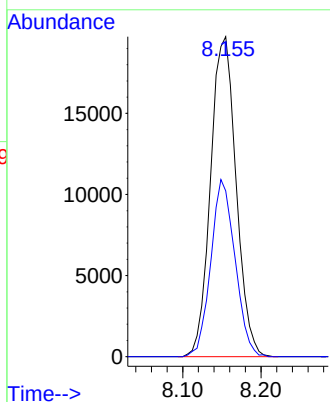
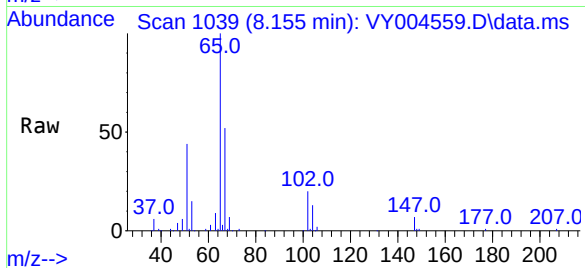




#33  
1,2-Dichloroethane-d4  
Concen: 53.68 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

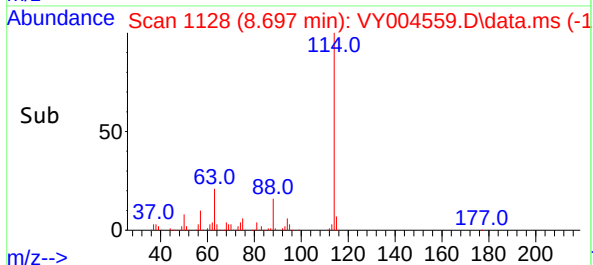
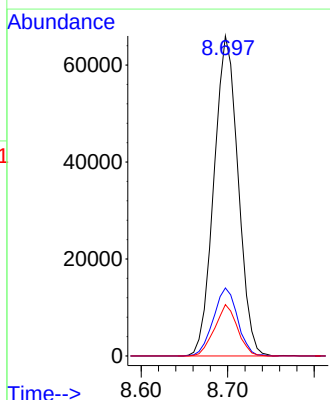
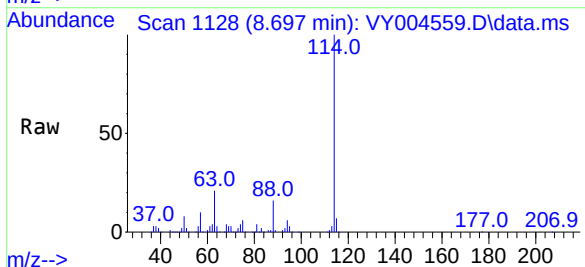
Instrument :  
MSVOA\_Y  
ClientSampled :  
S-11

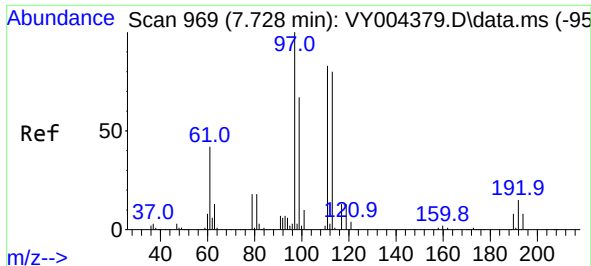
Tgt Ion: 65 Resp: 44724  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

Tgt Ion: 114 Resp: 127876  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 42.4  
88 16.1 0.0 30.8

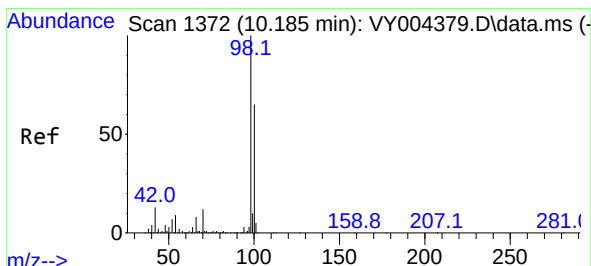
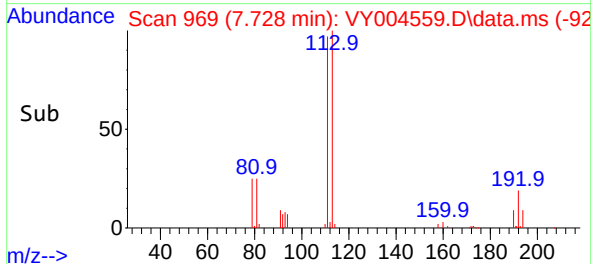
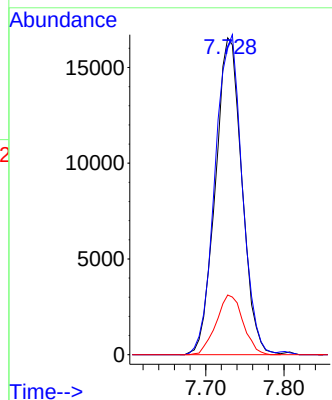
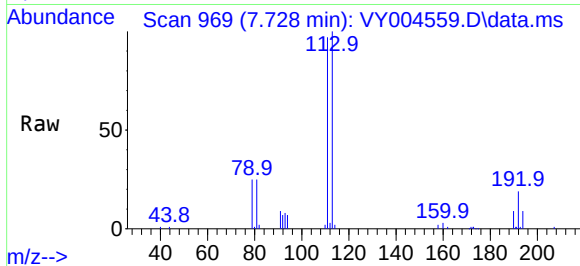




#35  
Dibromofluoromethane  
Concen: 54.87 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

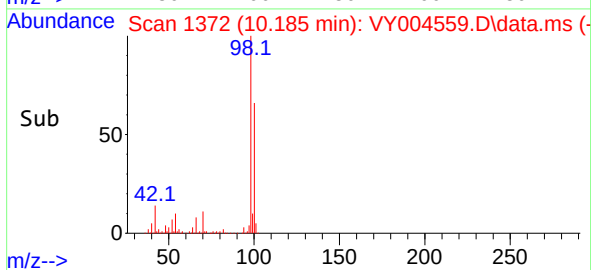
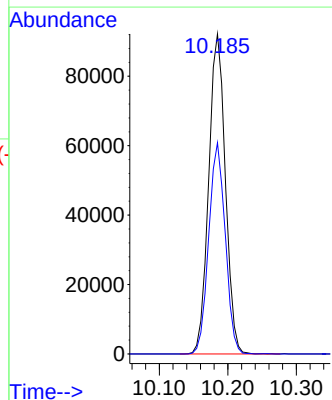
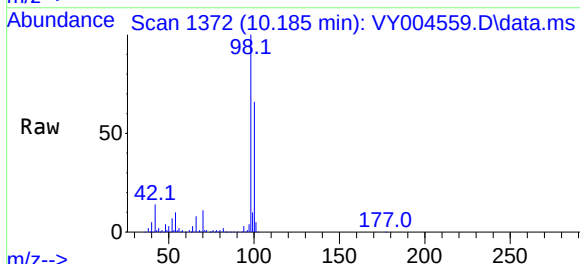
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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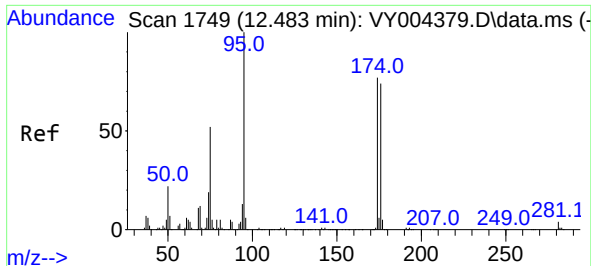
Tgt Ion:113 Resp: 38937  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.6 123.8  
192 19.0 16.1 24.1



#50  
Toluene-d8  
Concen: 51.67 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

Tgt Ion: 98 Resp: 155968  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.8 77.6



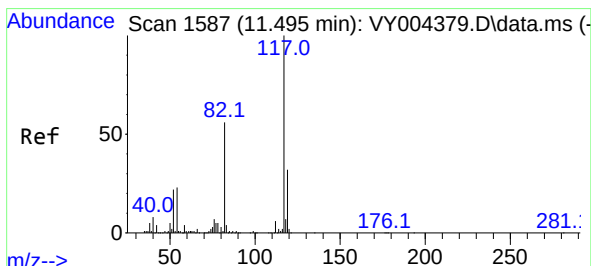
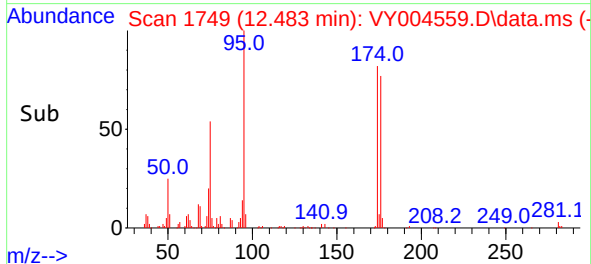
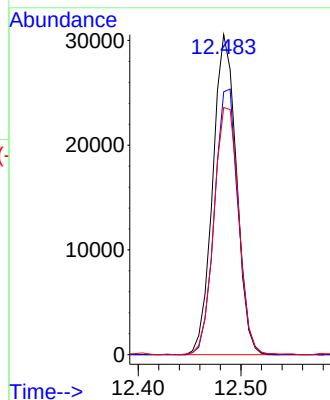
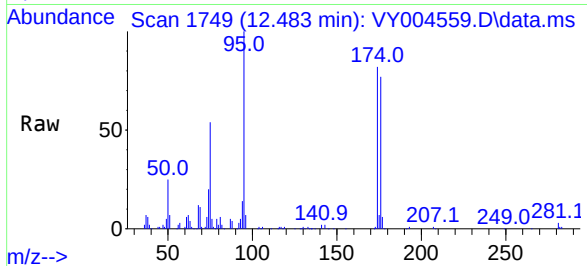


#62  
4-Bromofluorobenzene  
Concen: 47.57 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

Instrument :  
MSVOA\_Y  
ClientSampled :  
S-11

Tgt Ion: 95 Resp: 48725

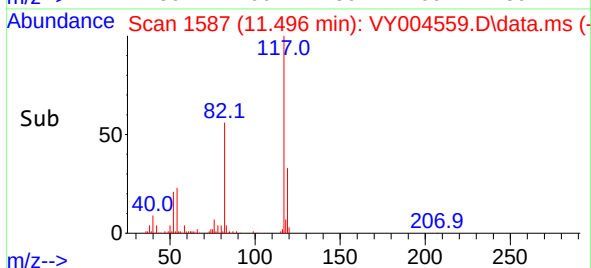
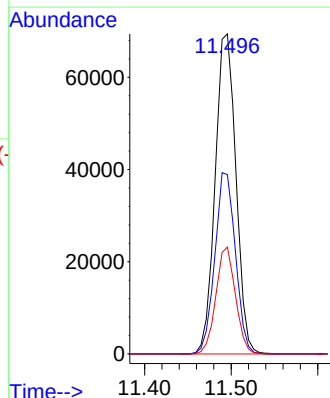
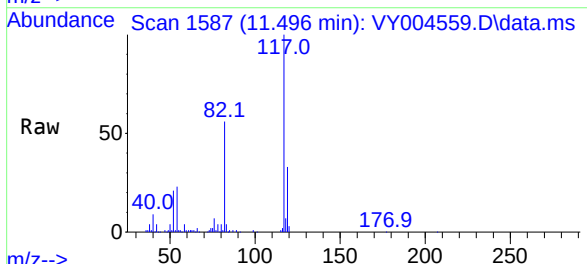
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 82.8  | 0.0   | 162.4 |
| 176 | 81.4  | 0.0   | 156.0 |

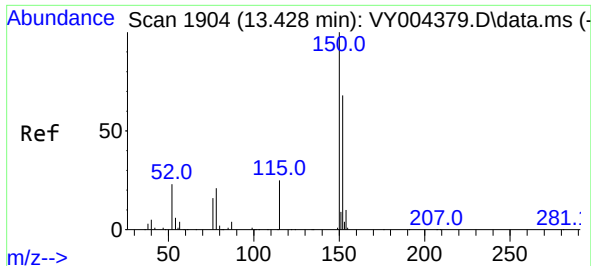


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004559.D  
Acq: 21 Apr 2021 16:33

Tgt Ion: 117 Resp: 115614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 56.1  | 44.9  | 67.3  |
| 119 | 33.4  | 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: VY004559.D  
 Acq: 21 Apr 2021 16:33

Instrument :  
 MSVOA\_Y  
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Tgt Ion:152 Resp: 50942  
 Ion Ratio Lower Upper  
 152 100  
 115 60.3 29.6 88.8  
 150 157.1 0.0 348.4

