

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042021\  
 Data File : VY004515.D  
 Acq On : 20 Apr 2021 09:39  
 Operator : SY/MD  
 Sample : VY0420SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0420SBL01

Quant Time: Apr 21 08:47:05 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       | 7.795  | 168   | 132508   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 231709   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 218065   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 96956    | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 82898    | 56.31    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 112.62%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 70276    | 54.65    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 109.30%  |
| 50) Toluene-d8              | 10.185 | 98    | 285742   | 52.24    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 104.48%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 95431    | 51.42    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 102.84%  |

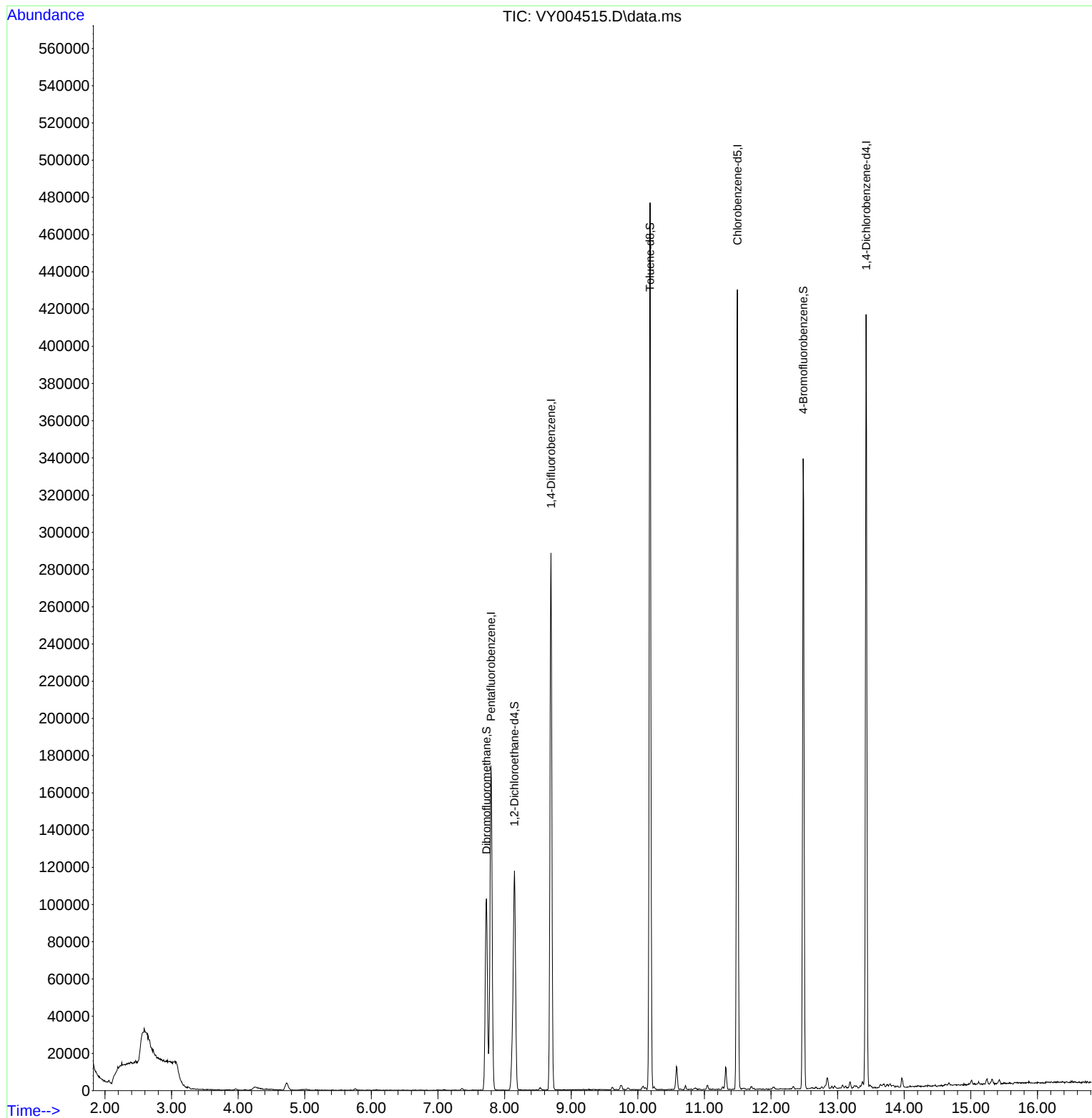
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Time: Apr 21 08:47:05 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

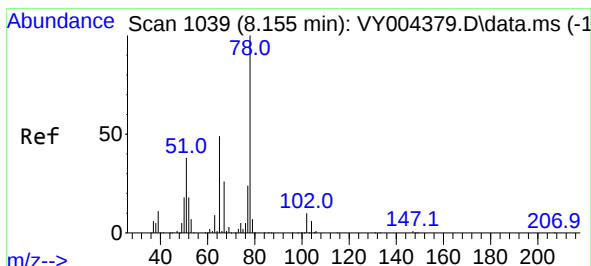
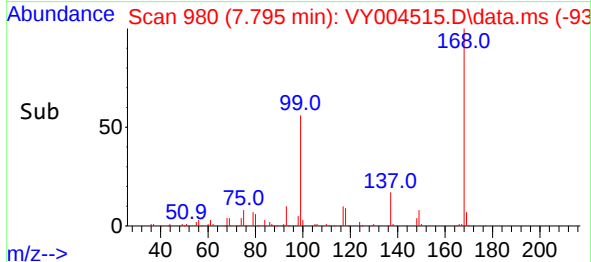
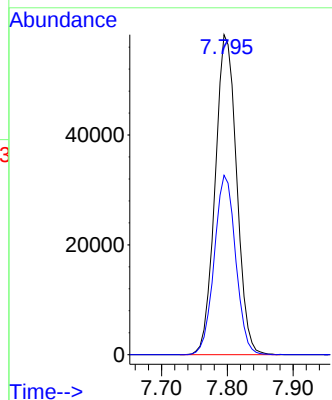
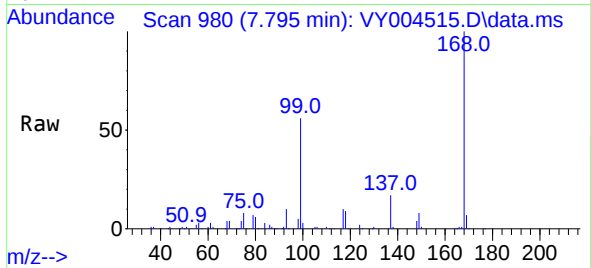




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004515.D  
Acq: 20 Apr 2021 09:39

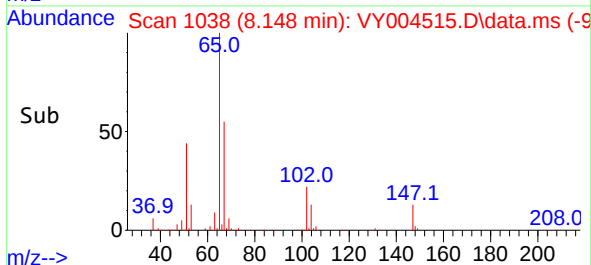
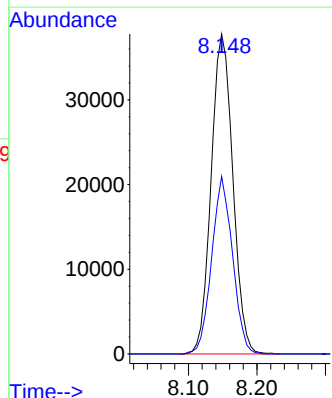
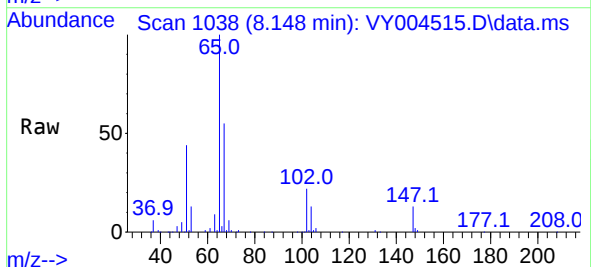
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0420SBL01

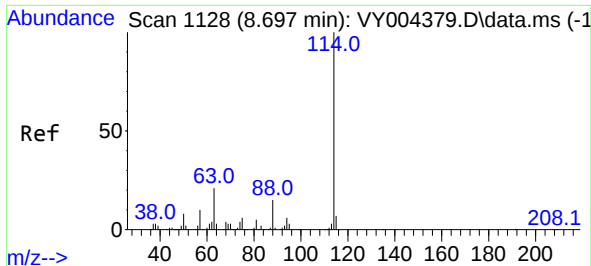
Tgt Ion:168 Resp: 132508  
Ion Ratio Lower Upper  
168 100  
99 56.1 45.5 68.3



#33  
1,2-Dichloroethane-d4  
Concen: 56.31 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004515.D  
Acq: 20 Apr 2021 09:39

Tgt Ion: 65 Resp: 82898  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

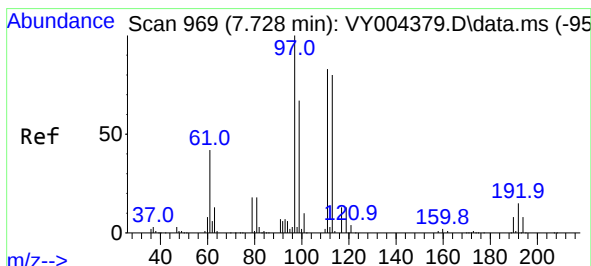
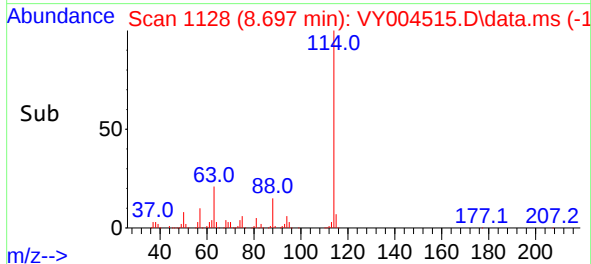
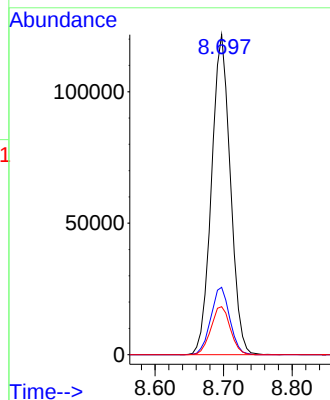
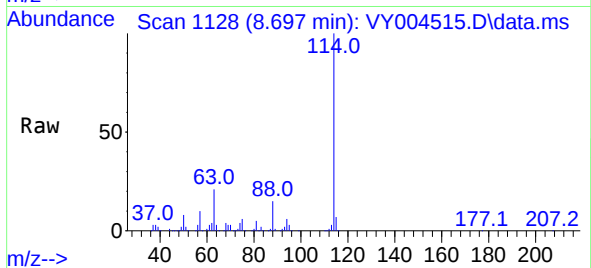
Delta R.T. 0.000 min

Lab File: VY004515.D

Acq: 20 Apr 2021 09:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 231709 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.0  | 0.0   | 42.4   |
| 88       | 15.0  | 0.0   | 30.8   |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0420SBL01



#35

Dibromofluoromethane

Concen: 54.65 ug/l

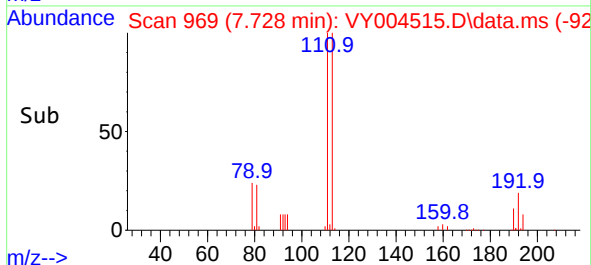
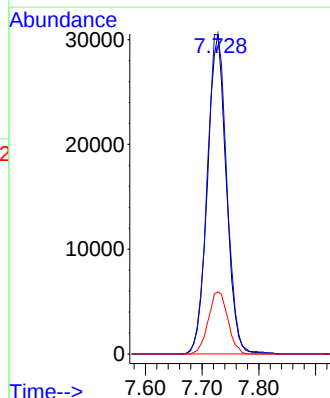
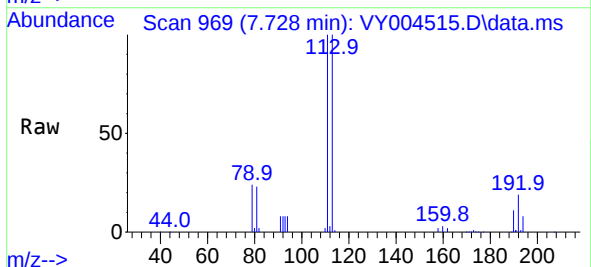
RT: 7.728 min Scan# 969

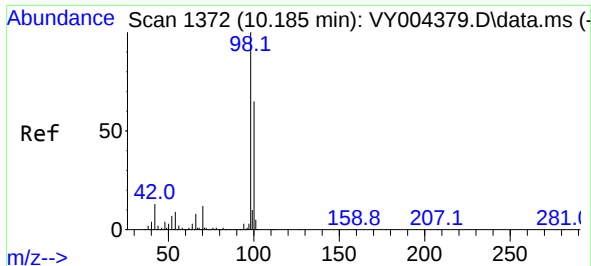
Delta R.T. 0.000 min

Lab File: VY004515.D

Acq: 20 Apr 2021 09:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 70276 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.8 | 82.6  | 123.8 |
| 192      | 20.1  | 16.1  | 24.1  |

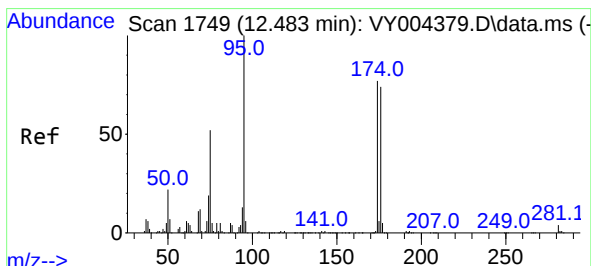
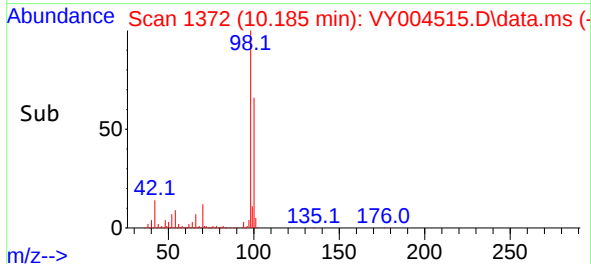
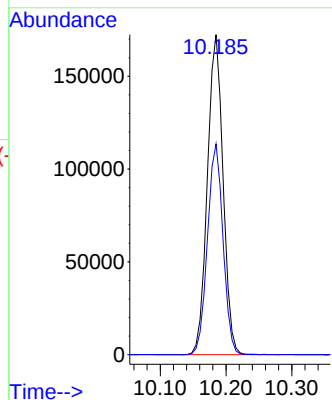
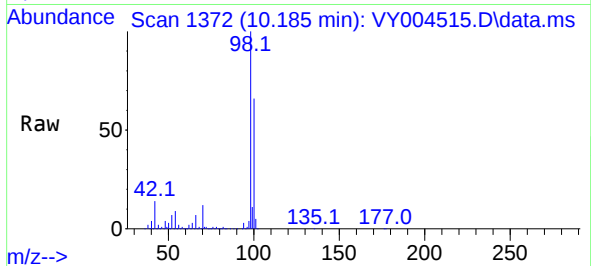




#50  
Toluene-d8  
Concen: 52.24 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004515.D  
Acq: 20 Apr 2021 09:39

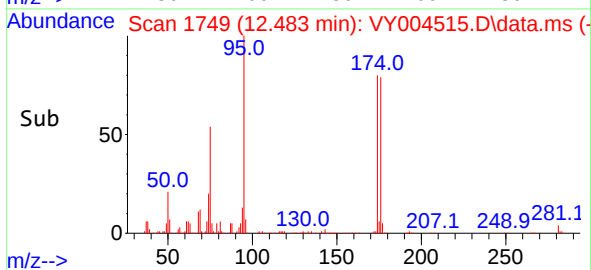
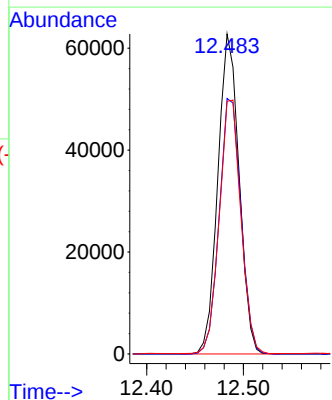
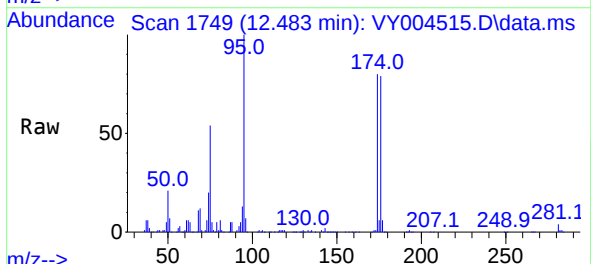
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0420SBL01

Tgt Ion: 98 Resp: 285742  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 51.42 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004515.D  
Acq: 20 Apr 2021 09:39

Tgt Ion: 95 Resp: 95431  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 162.4  
176 80.6 0.0 156.0

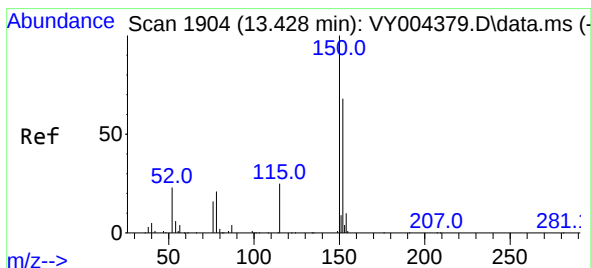
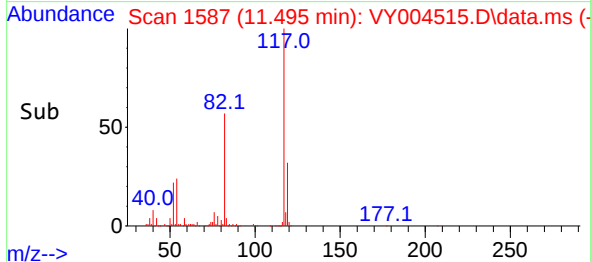
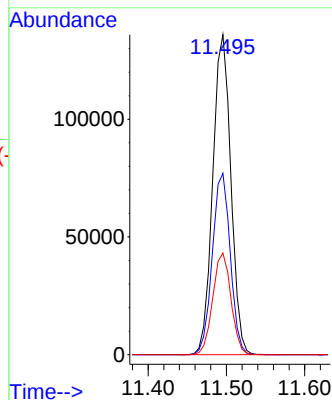
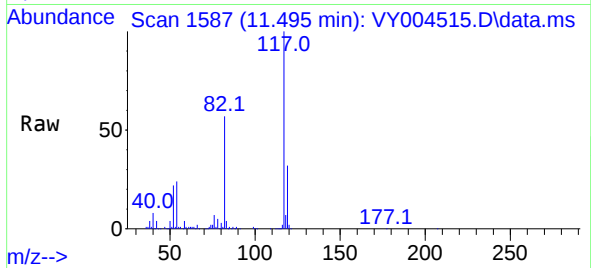




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004515.D  
Acq: 20 Apr 2021 09:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0420SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 218065 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.7  | 44.9  | 67.3   |
| 119      | 31.7  | 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: VY004515.D  
Acq: 20 Apr 2021 09:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 96956 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 59.0  | 29.6  | 88.8  |
| 150      | 158.7 | 0.0   | 348.4 |

