

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111621\  
 Data File : VY006772.D  
 Acq On : 16 Nov 2021 19:22  
 Operator : SY/MD  
 Sample : M4685-01  
 Misc : 5.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OK-01-111221

Quant Time: Nov 17 04:09:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 38129    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 58195    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 44336    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 13185    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 17950    | 35.920   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 71.840% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 16378    | 45.818   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.640% |
| 50) Toluene-d8              | 10.185 | 98    | 70865    | 47.908   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 95.820% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 14812    | 29.703   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 59.400% |

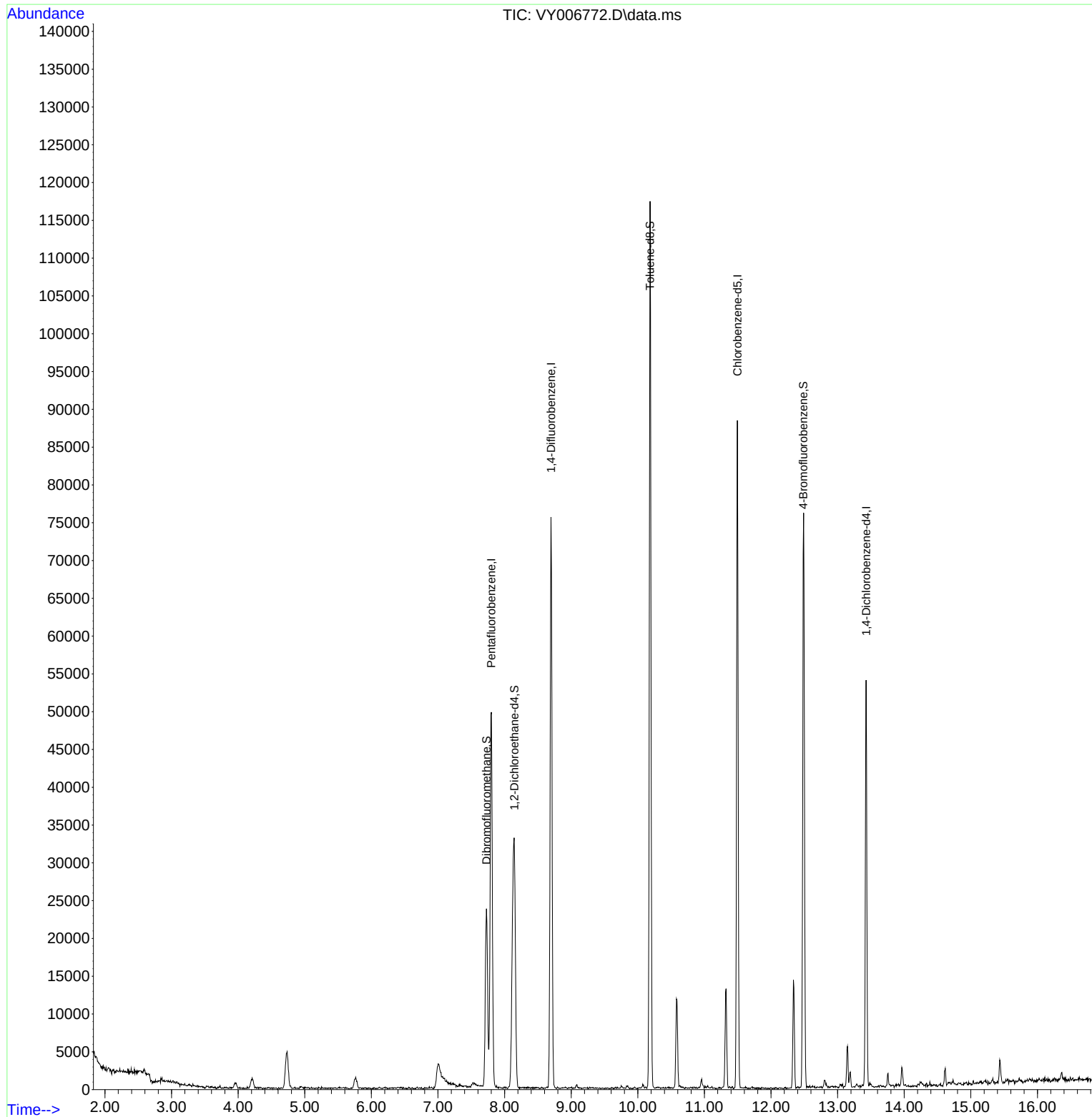
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

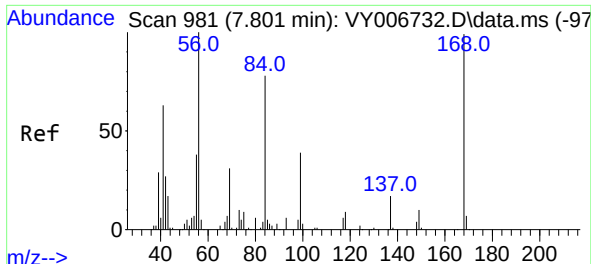
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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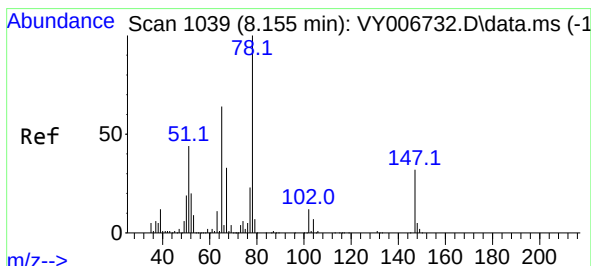
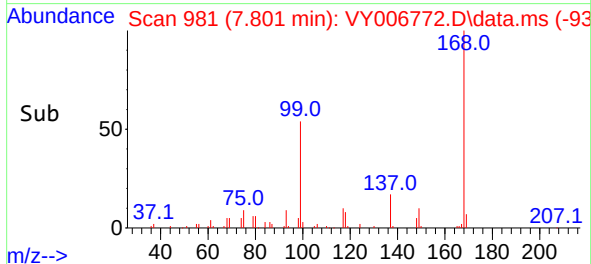
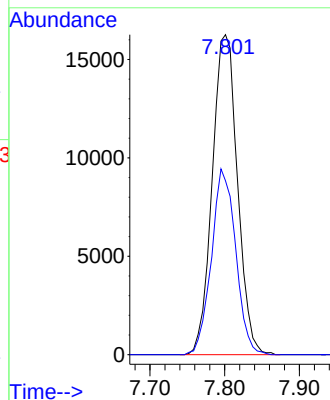
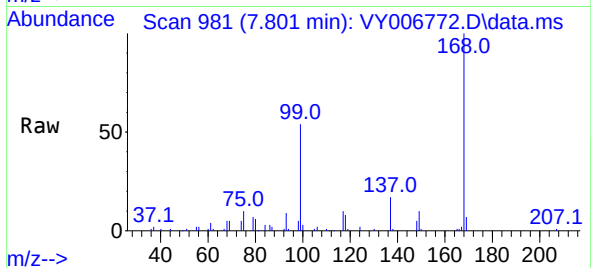




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006772.D  
Acq: 16 Nov 2021 19:22

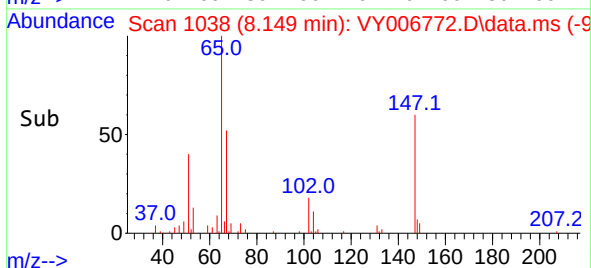
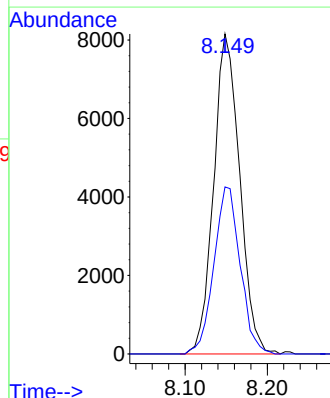
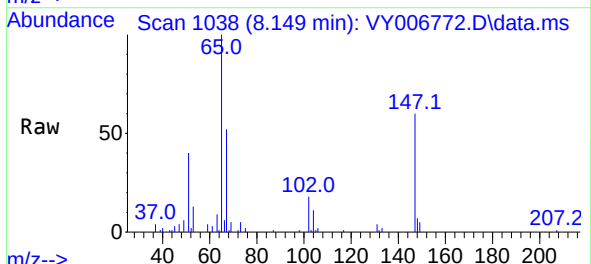
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-01-111221

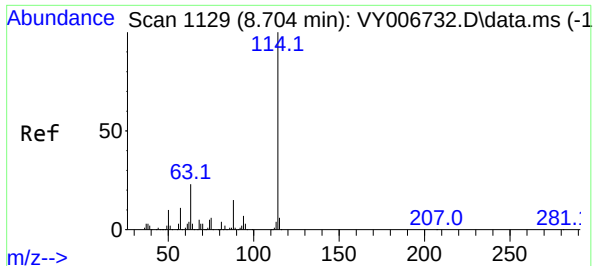
Tgt Ion:168 Resp: 38129  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 35.920 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY006772.D  
Acq: 16 Nov 2021 19:22

Tgt Ion: 65 Resp: 17950  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006772.D

Acq: 16 Nov 2021 19:22

Instrument :

MSVOA\_Y

ClientSampleId :

OK-01-111221

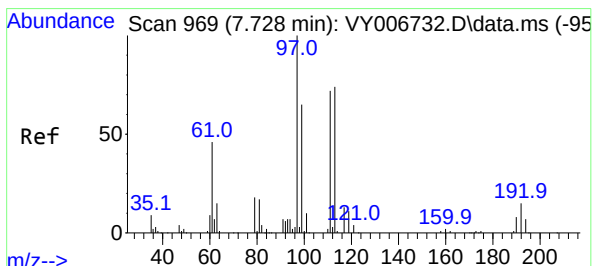
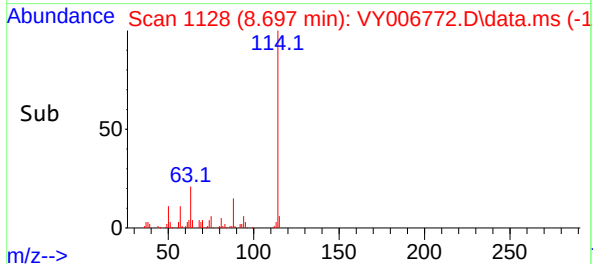
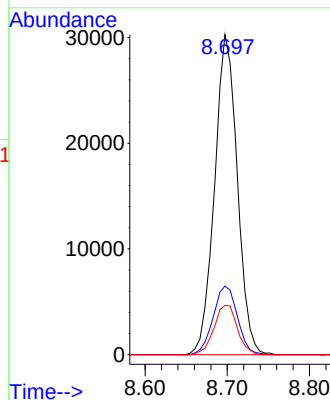
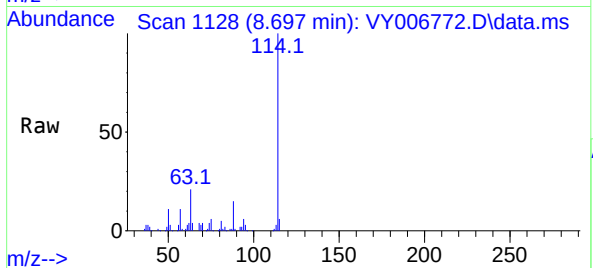
Tgt Ion:114 Resp: 58195

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.818 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY006772.D

Acq: 16 Nov 2021 19:22

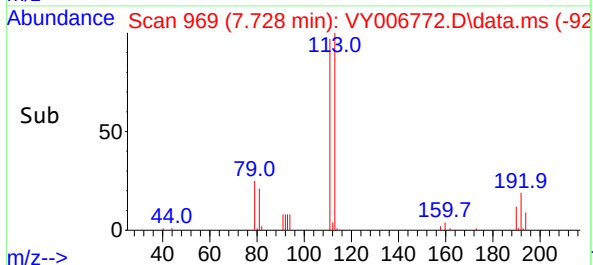
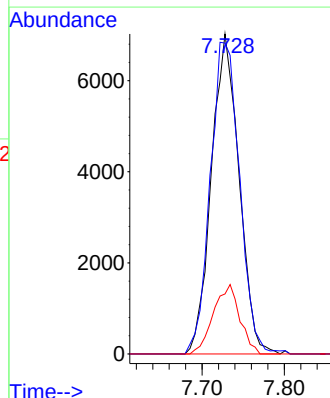
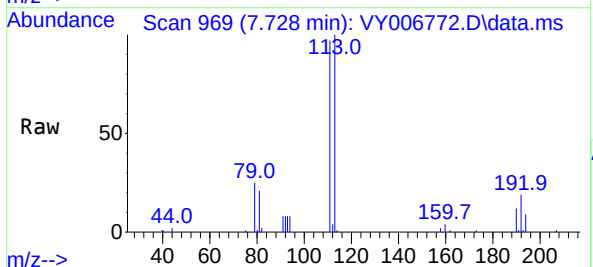
Tgt Ion:113 Resp: 16378

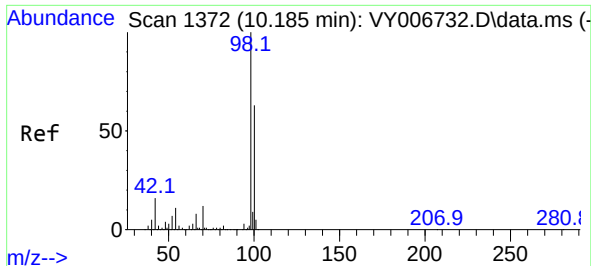
Ion Ratio Lower Upper

113 100

111 103.5 82.3 123.5

192 20.7 17.4 26.2

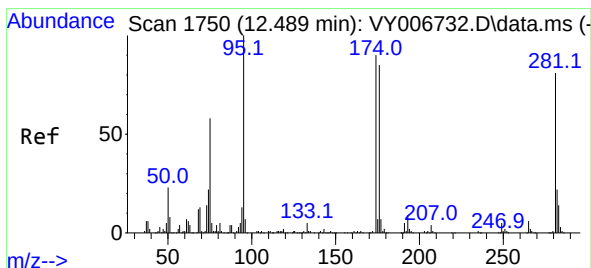
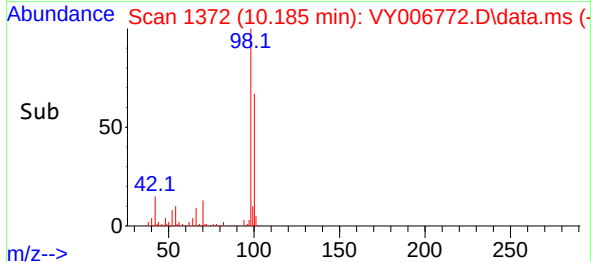
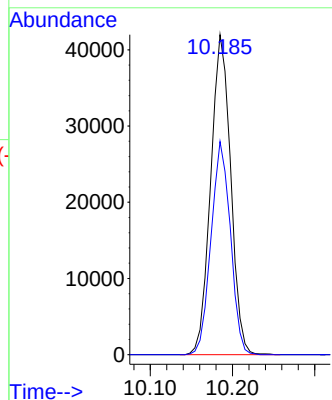
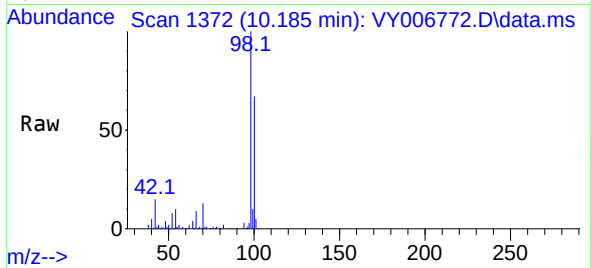




#50  
Toluene-d8  
Concen: 47.908 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006772.D  
Acq: 16 Nov 2021 19:22

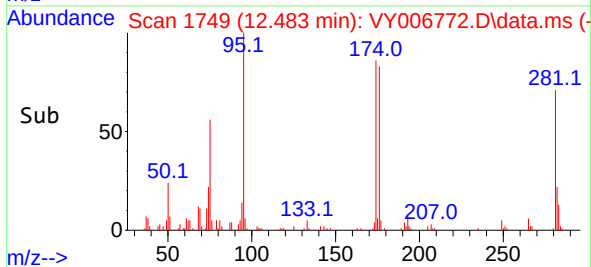
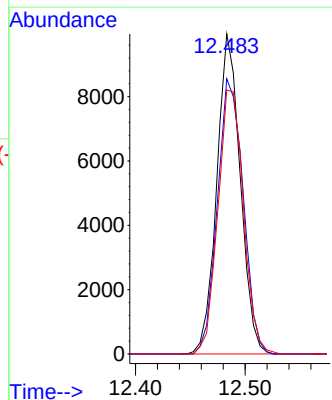
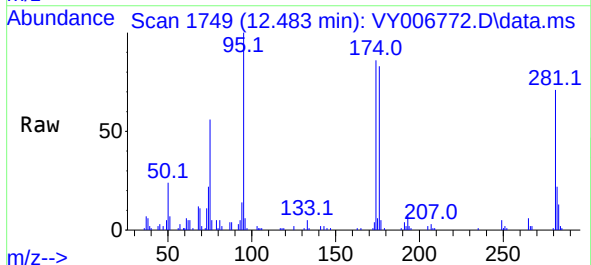
Instrument :  
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OK-01-111221

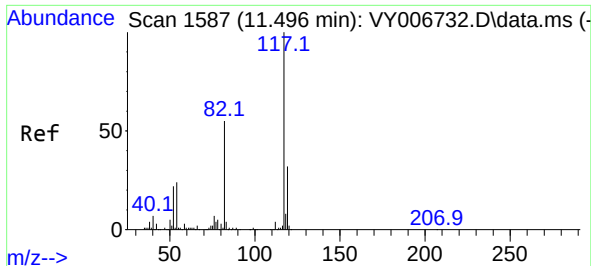
Tgt Ion: 98 Resp: 70865  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 29.703 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006772.D  
Acq: 16 Nov 2021 19:22

Tgt Ion: 95 Resp: 14812  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 177.0  
176 89.9 0.0 169.4

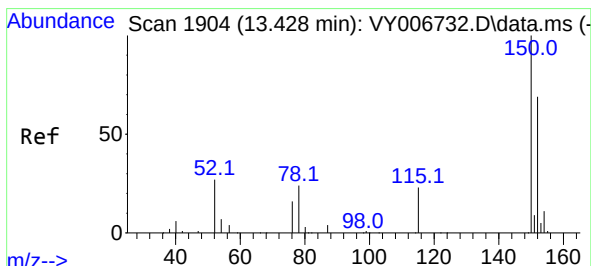
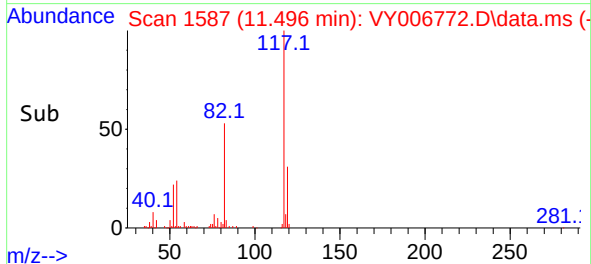
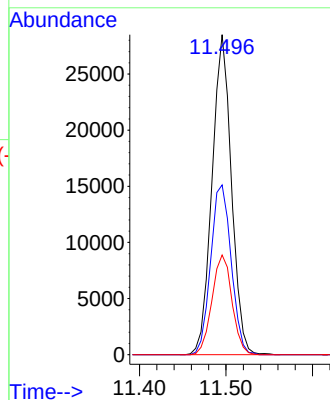
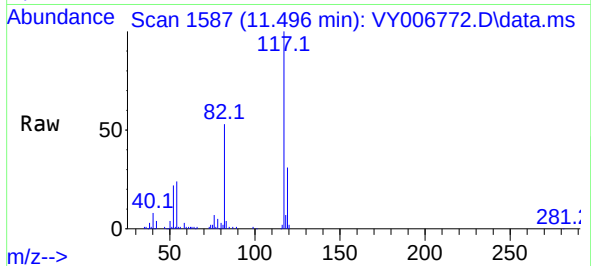




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006772.D  
Acq: 16 Nov 2021 19:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-01-111221

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 44336 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.0  | 45.7  | 68.5  |
| 119      | 31.2  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006772.D  
Acq: 16 Nov 2021 19:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 13185 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.3  | 28.5  | 85.5  |
| 150      | 151.9 | 0.0   | 348.2 |

