

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110521\  
 Data File : VY006659.D  
 Acq On : 05 Nov 2021 16:19  
 Operator : SY/MD  
 Sample : M4477-02  
 Misc : 5.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 T1-EP02-NE

Quant Time: Nov 06 20:40:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 12214    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 16185    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 12026    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 3344     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 5858     | 38.975   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 77.960%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 2095     | 23.223   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 46.440%# |
| 50) Toluene-d8              | 10.185 | 98    | 19154    | 50.087   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 100.180% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 3978     | 30.880   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 61.760%  |

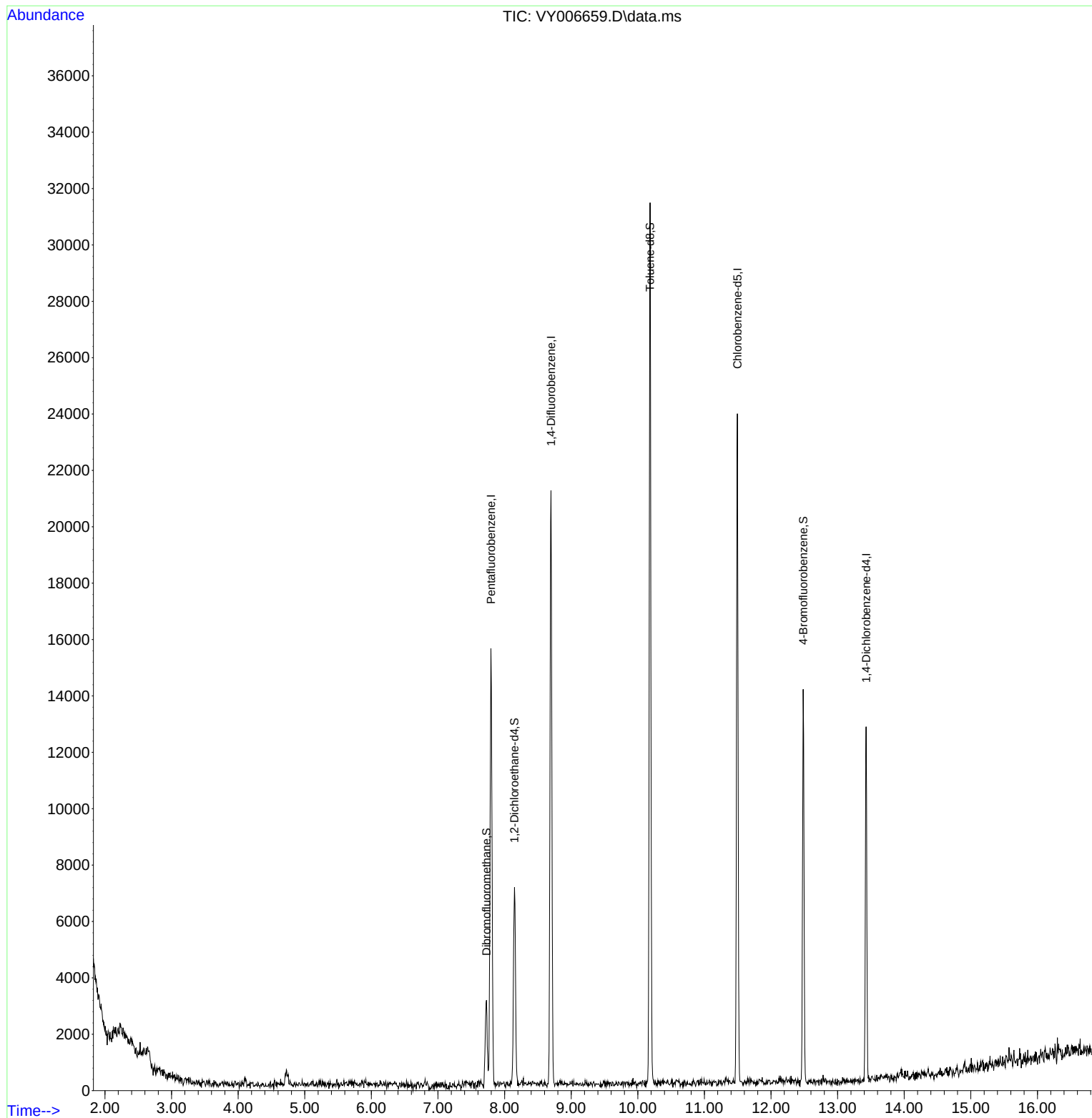
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

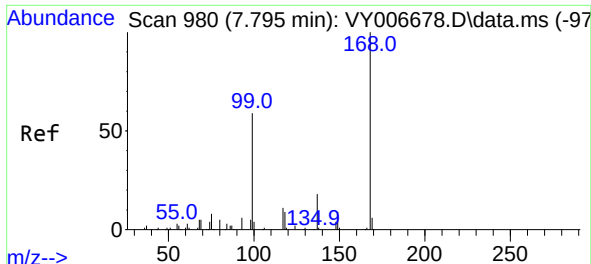
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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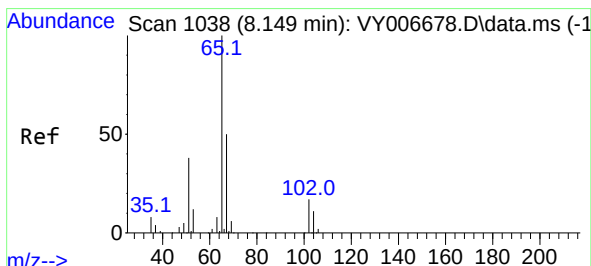
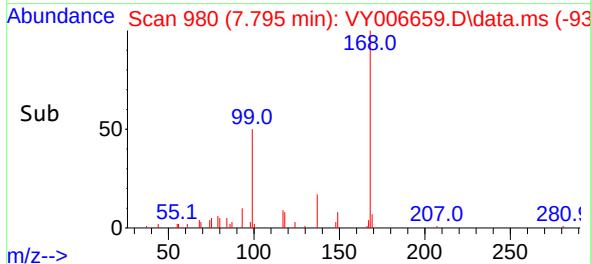
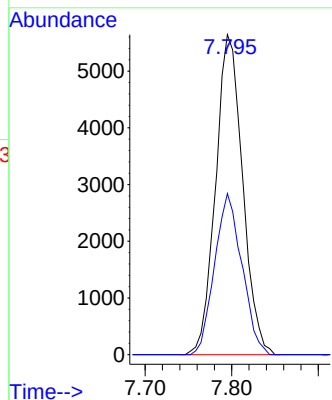
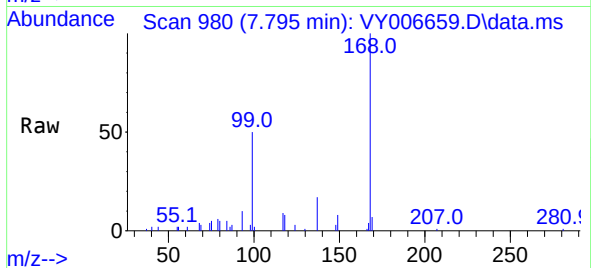




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY006659.D  
Acq: 05 Nov 2021 16:19

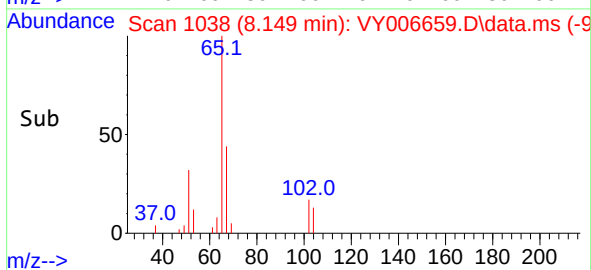
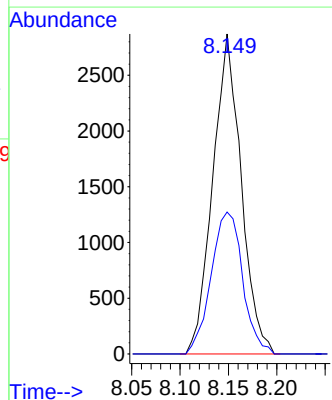
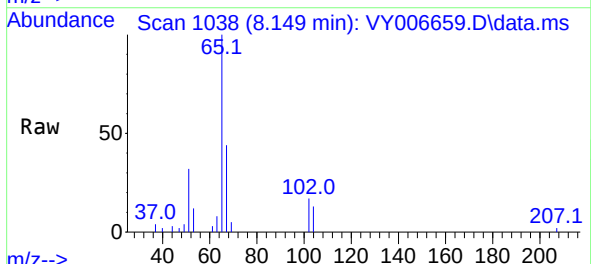
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1-EP02-NE

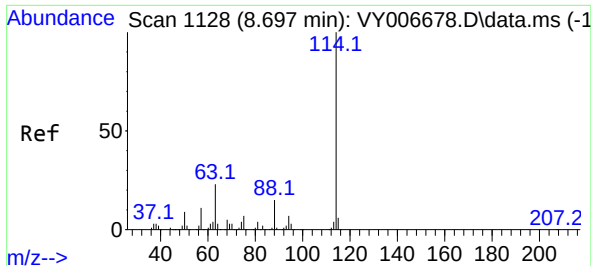
Tgt Ion:168 Resp: 12214  
Ion Ratio Lower Upper  
168 100  
99 50.4 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 38.975 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006659.D  
Acq: 05 Nov 2021 16:19

Tgt Ion: 65 Resp: 5858  
Ion Ratio Lower Upper  
65 100  
67 49.3 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006659.D

Acq: 05 Nov 2021 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

T1-EP02-NE

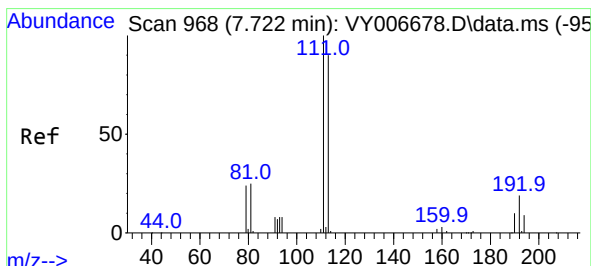
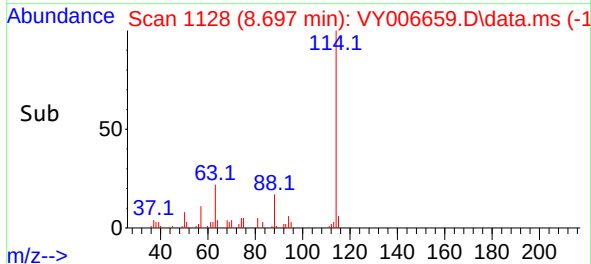
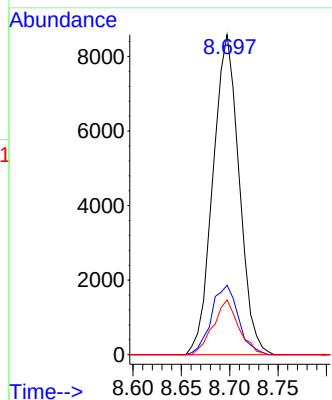
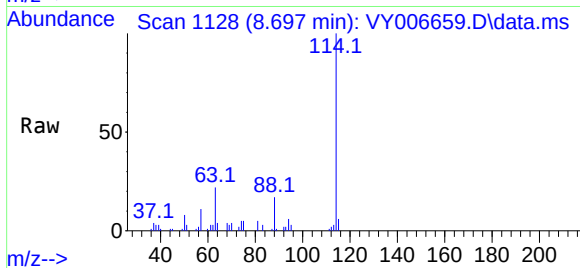
Tgt Ion:114 Resp: 16185

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

88 17.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 23.223 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006659.D

Acq: 05 Nov 2021 16:19

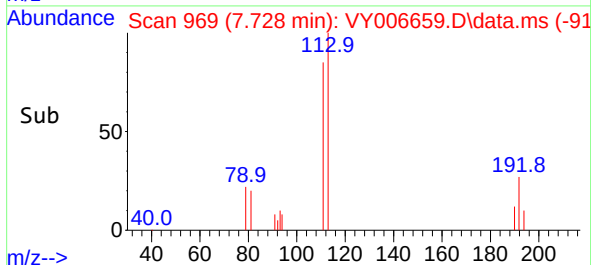
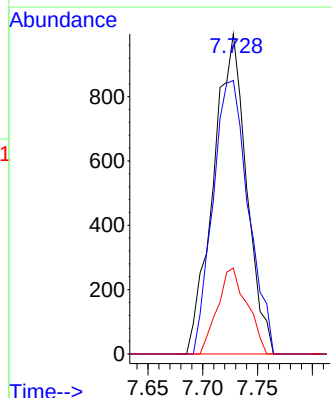
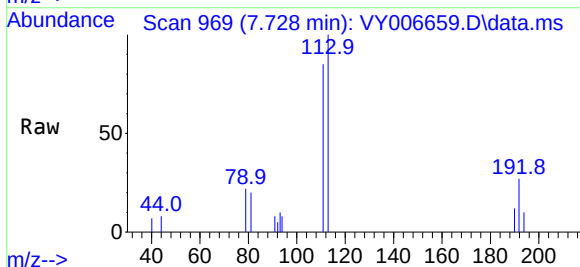
Tgt Ion:113 Resp: 2095

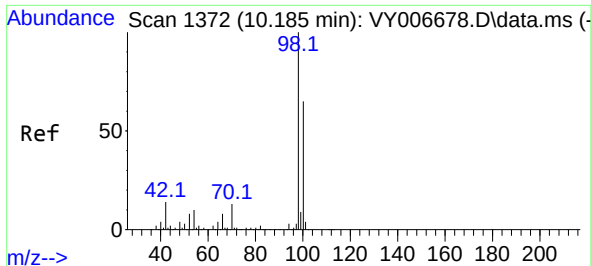
Ion Ratio Lower Upper

113 100

111 91.2 82.3 123.5

192 23.9 17.4 26.2

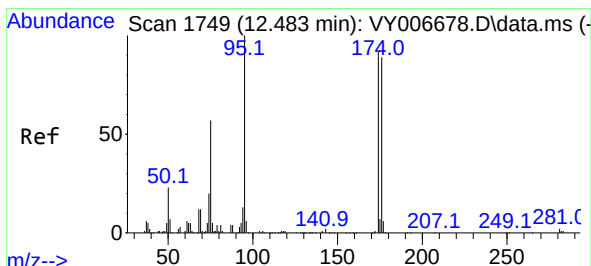
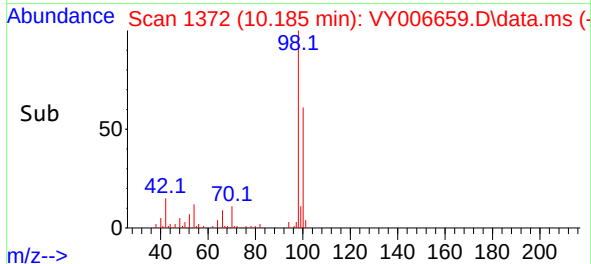
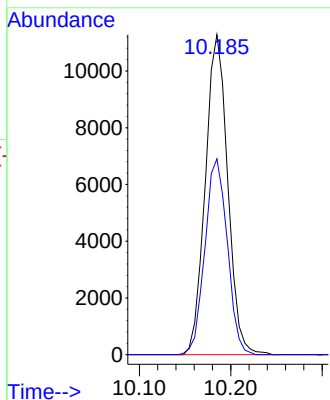
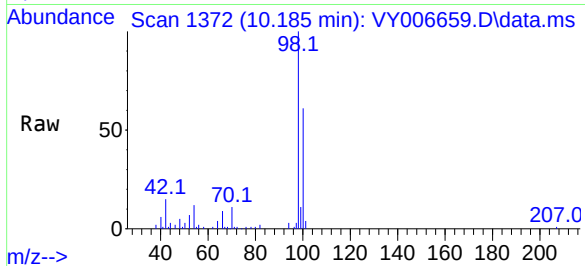




#50  
Toluene-d8  
Concen: 50.087 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006659.D  
Acq: 05 Nov 2021 16:19

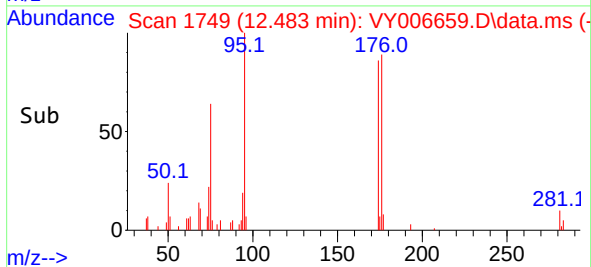
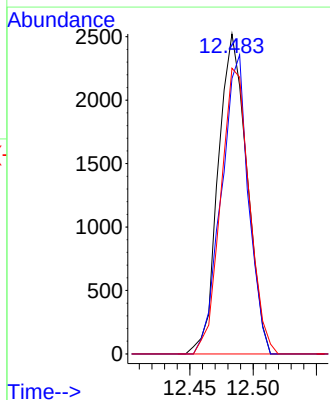
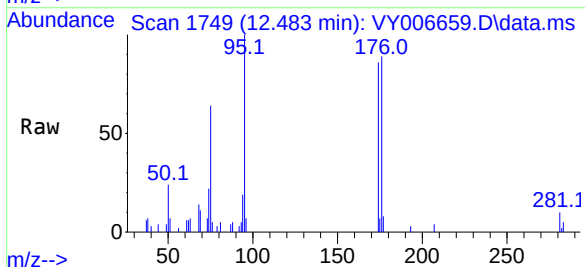
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1-EP02-NE

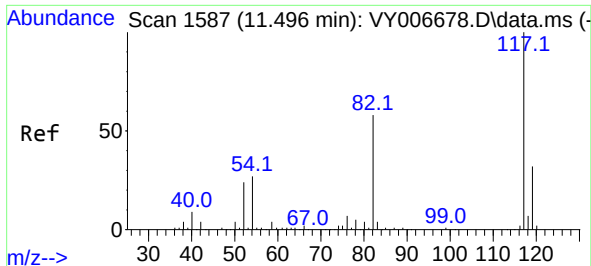
Tgt Ion: 98 Resp: 19154  
Ion Ratio Lower Upper  
98 100  
100 61.3 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 30.880 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006659.D  
Acq: 05 Nov 2021 16:19

Tgt Ion: 95 Resp: 3978  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 177.0  
176 88.9 0.0 169.4

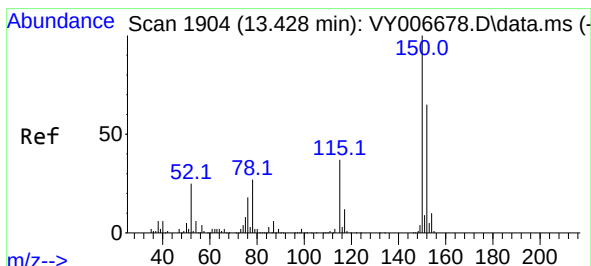
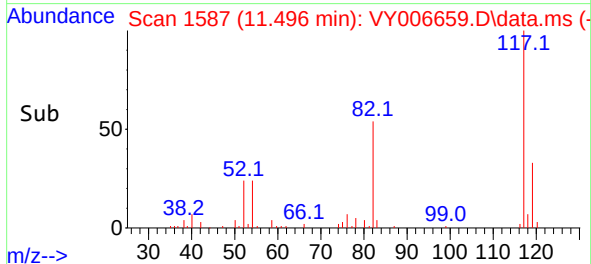
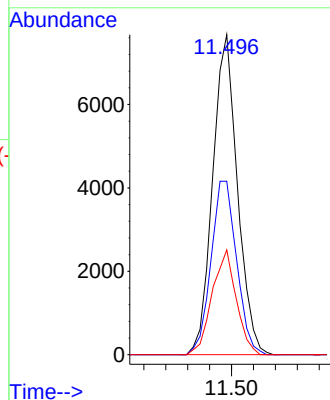
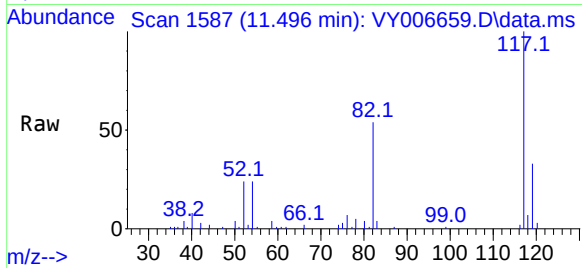




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY006659.D  
Acq: 05 Nov 2021 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
T1-EP02-NE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12026 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.2  | 45.7  | 68.5  |
| 119      | 32.7  | 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: VY006659.D  
Acq: 05 Nov 2021 16:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 3344  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.0  | 28.5  | 85.5  |
| 150      | 155.3 | 0.0   | 348.2 |

