

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030822\  
 Data File : VY007777.D  
 Acq On : 08 Mar 2022 14:07  
 Operator : SY/MD  
 Sample : N1808-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CL-01-030422

Quant Time: Mar 09 00:26:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 249824   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 403415   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 377455   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 176339   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 142738   | 54.575   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.160% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 138566   | 53.725   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.460% |
| 50) Toluene-d8              | 10.179 | 98    | 495762   | 52.218   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.440% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 150985   | 49.336   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 98.680%  |

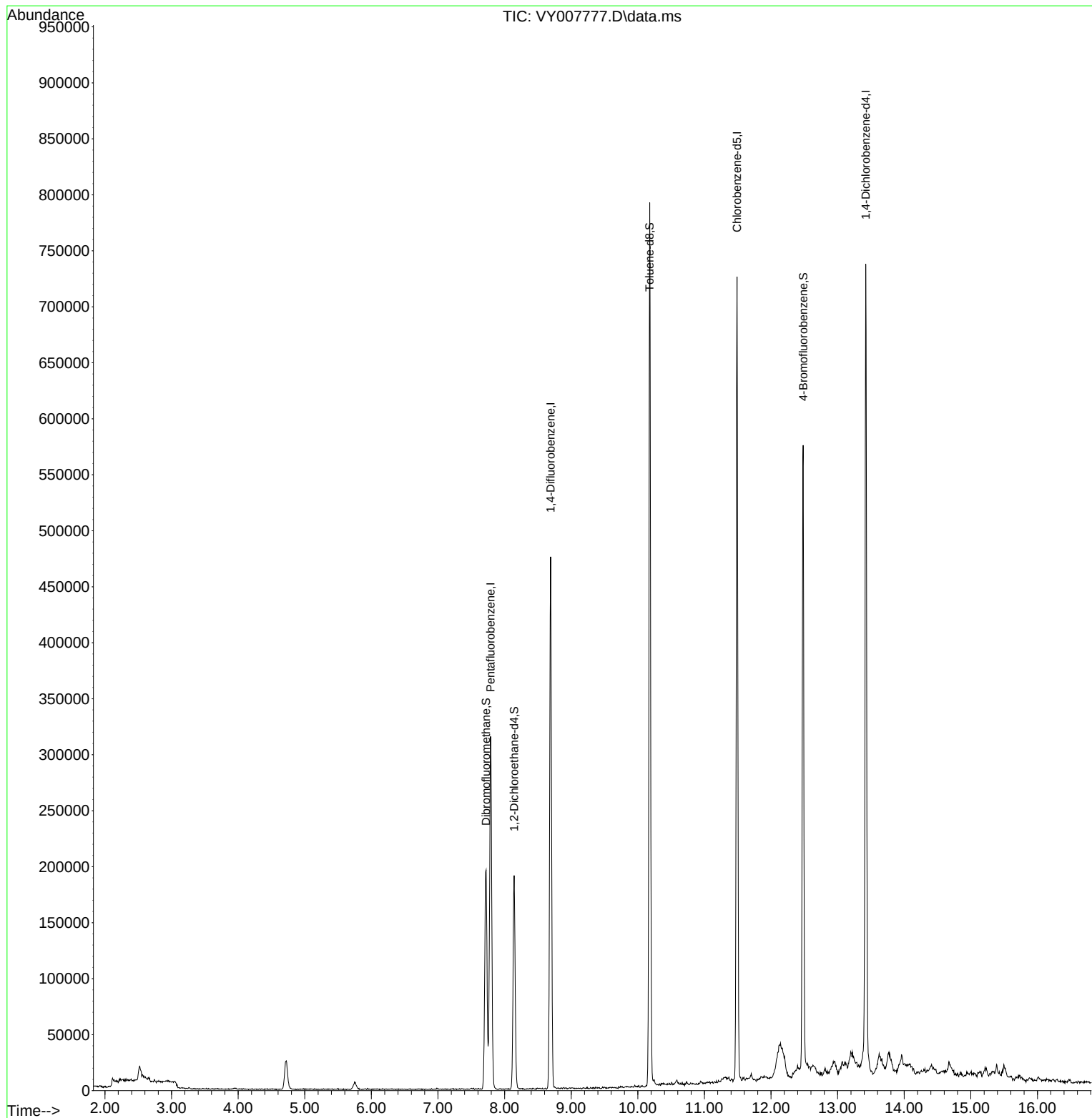
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

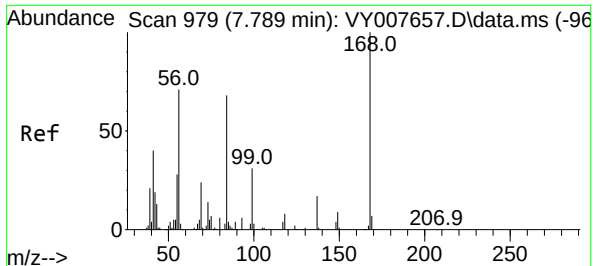
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Mar 01 09:08:03 2022  
Response via : Initial Calibration

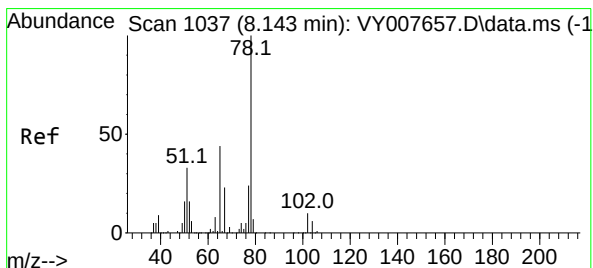
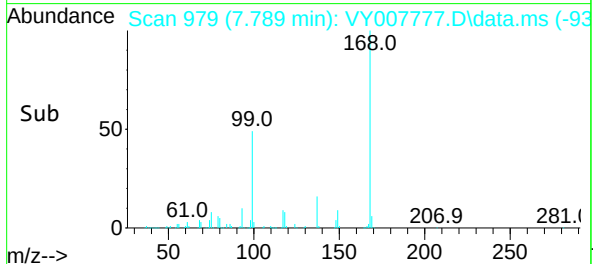
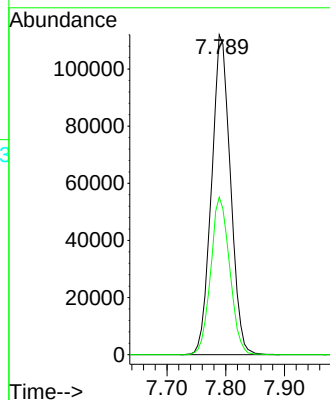
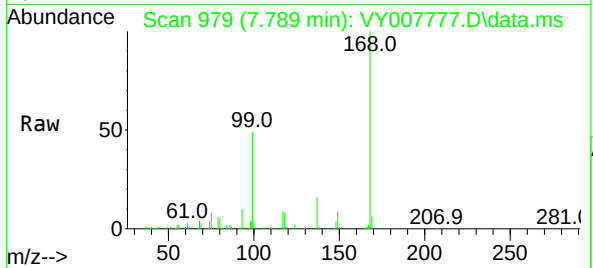




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007777.D  
Acq: 08 Mar 2022 14:07

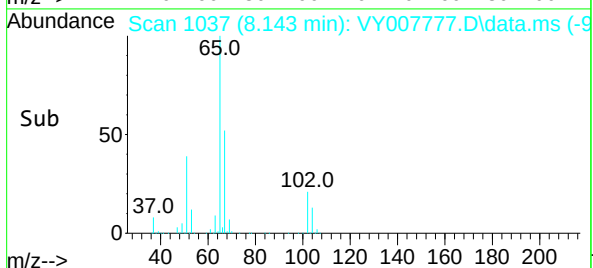
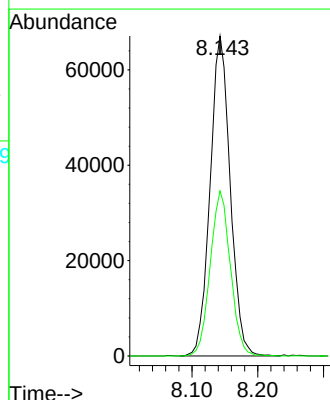
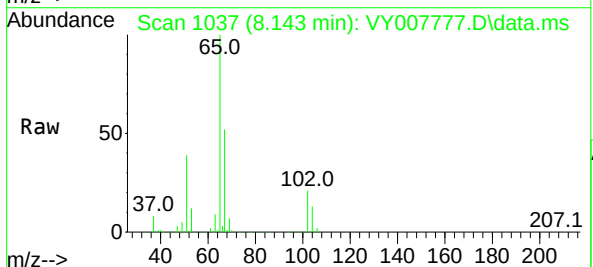
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-01-030422

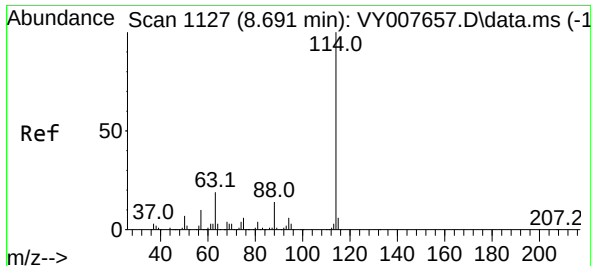
Tgt Ion:168 Resp: 249824  
Ion Ratio Lower Upper  
168 100  
99 49.3 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 54.575 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007777.D  
Acq: 08 Mar 2022 14:07

Tgt Ion: 65 Resp: 142738  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007777.D

Acq: 08 Mar 2022 14:07

Instrument :

MSVOA\_Y

ClientSampleId :

CL-01-030422

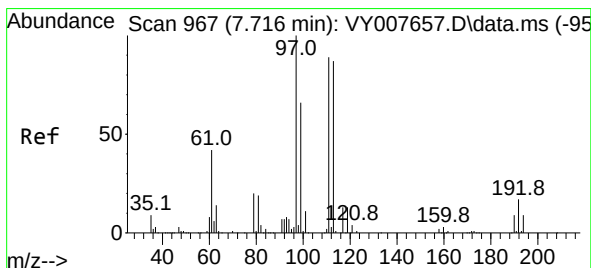
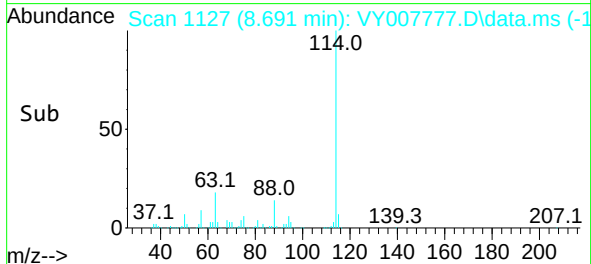
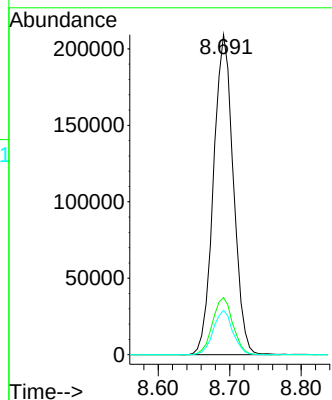
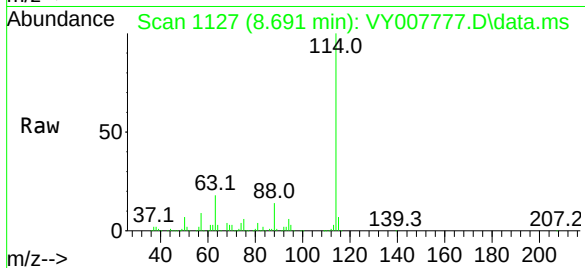
Tgt Ion:114 Resp: 403415

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.725 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007777.D

Acq: 08 Mar 2022 14:07

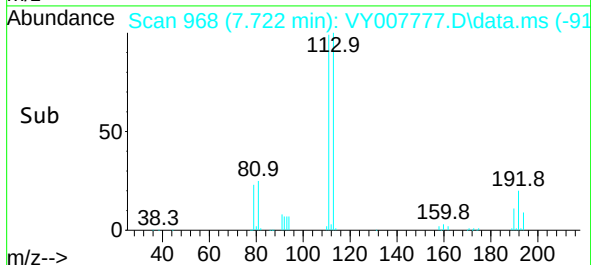
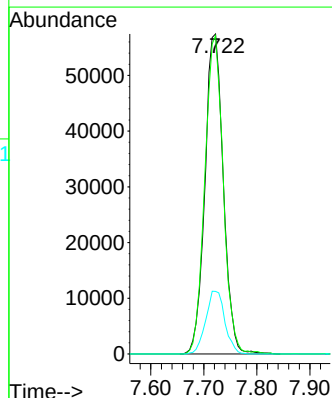
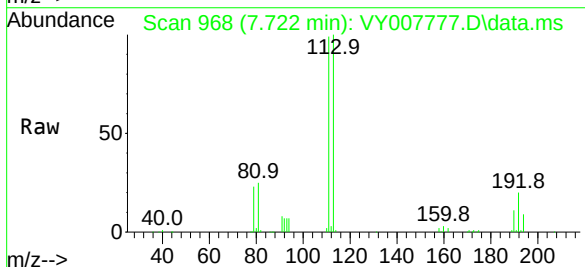
Tgt Ion:113 Resp: 138566

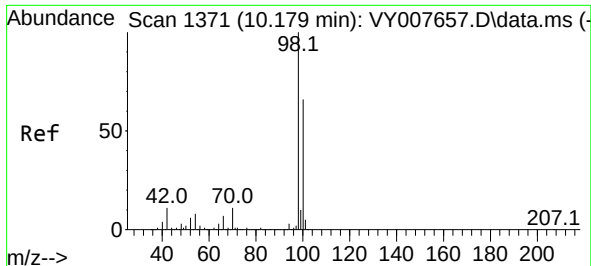
Ion Ratio Lower Upper

113 100

111 99.7 82.6 124.0

192 20.4 17.6 26.4

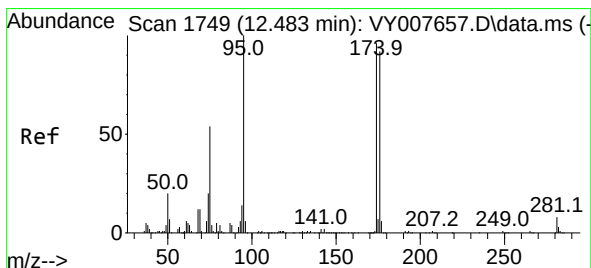
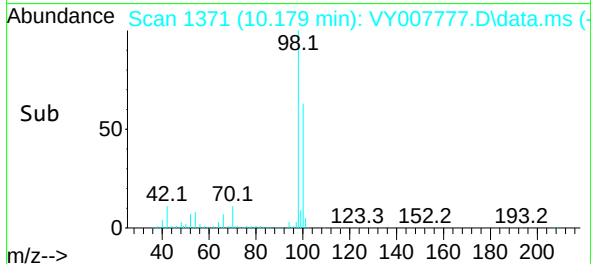
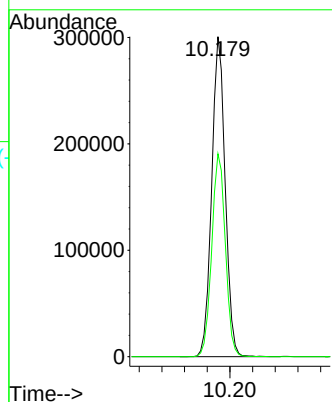
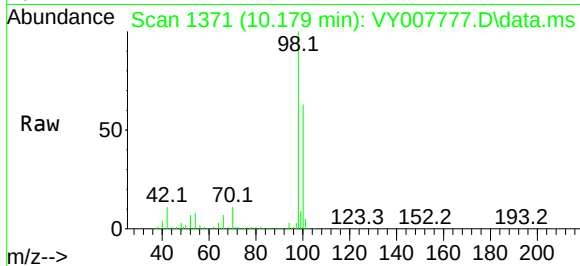




#50  
Toluene-d8  
Concen: 52.218 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007777.D  
Acq: 08 Mar 2022 14:07

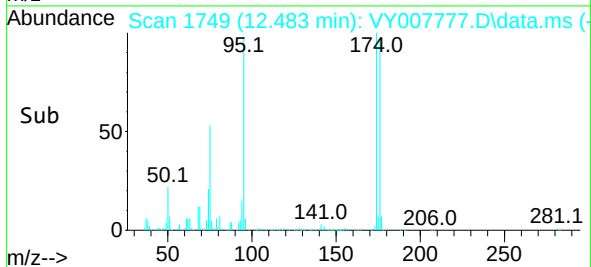
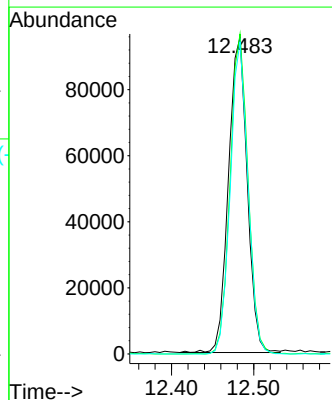
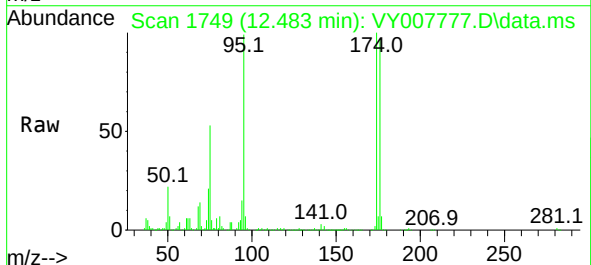
Instrument :  
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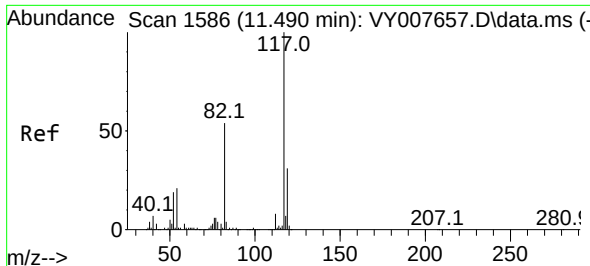
Tgt Ion: 98 Resp: 495762  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 49.336 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007777.D  
Acq: 08 Mar 2022 14:07

Tgt Ion: 95 Resp: 150985  
Ion Ratio Lower Upper  
95 100  
174 97.3 0.0 177.0  
176 93.5 0.0 175.8

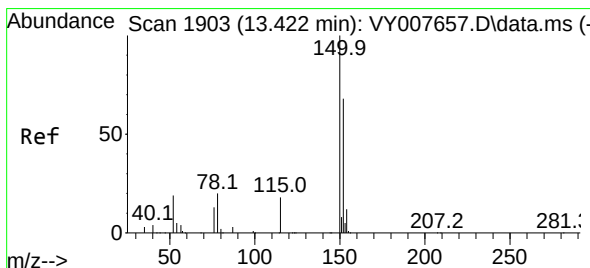
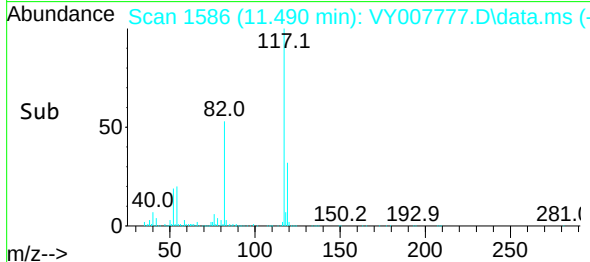
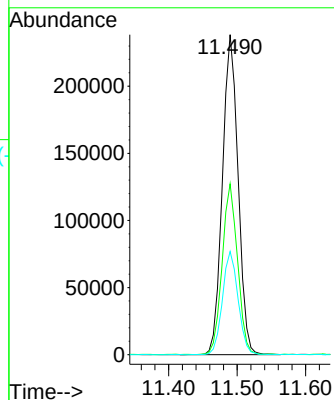
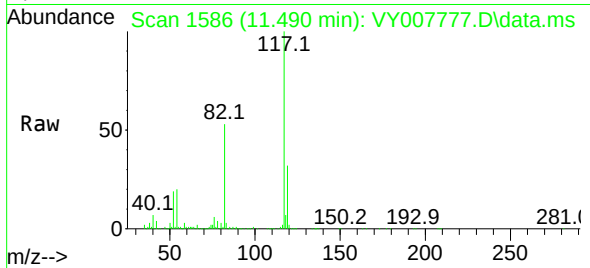




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY007777.D  
Acq: 08 Mar 2022 14:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-01-030422

Tgt Ion:117 Resp: 377455  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.0 64.4  
119 32.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY007777.D  
Acq: 08 Mar 2022 14:07

Tgt Ion:152 Resp: 176339  
Ion Ratio Lower Upper  
152 100  
115 53.2 28.2 84.7  
150 152.9 0.0 347.6

