

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032122\  
 Data File : VY007982.D  
 Acq On : 22 Mar 2022 03:27  
 Operator : SY/MD  
 Sample : N2031-09  
 Misc : 7.24g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CMP-B3-031822-0-6

Quant Time: Mar 22 06:56:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 226649   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 435709   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 400631   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 168948   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 157389   | 60.904   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 121.800% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 136770   | 44.697   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 89.400%  |
| 50) Toluene-d8              | 10.179 | 98    | 537677   | 59.281   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 118.560% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 190536   | 43.386   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 86.780%  |

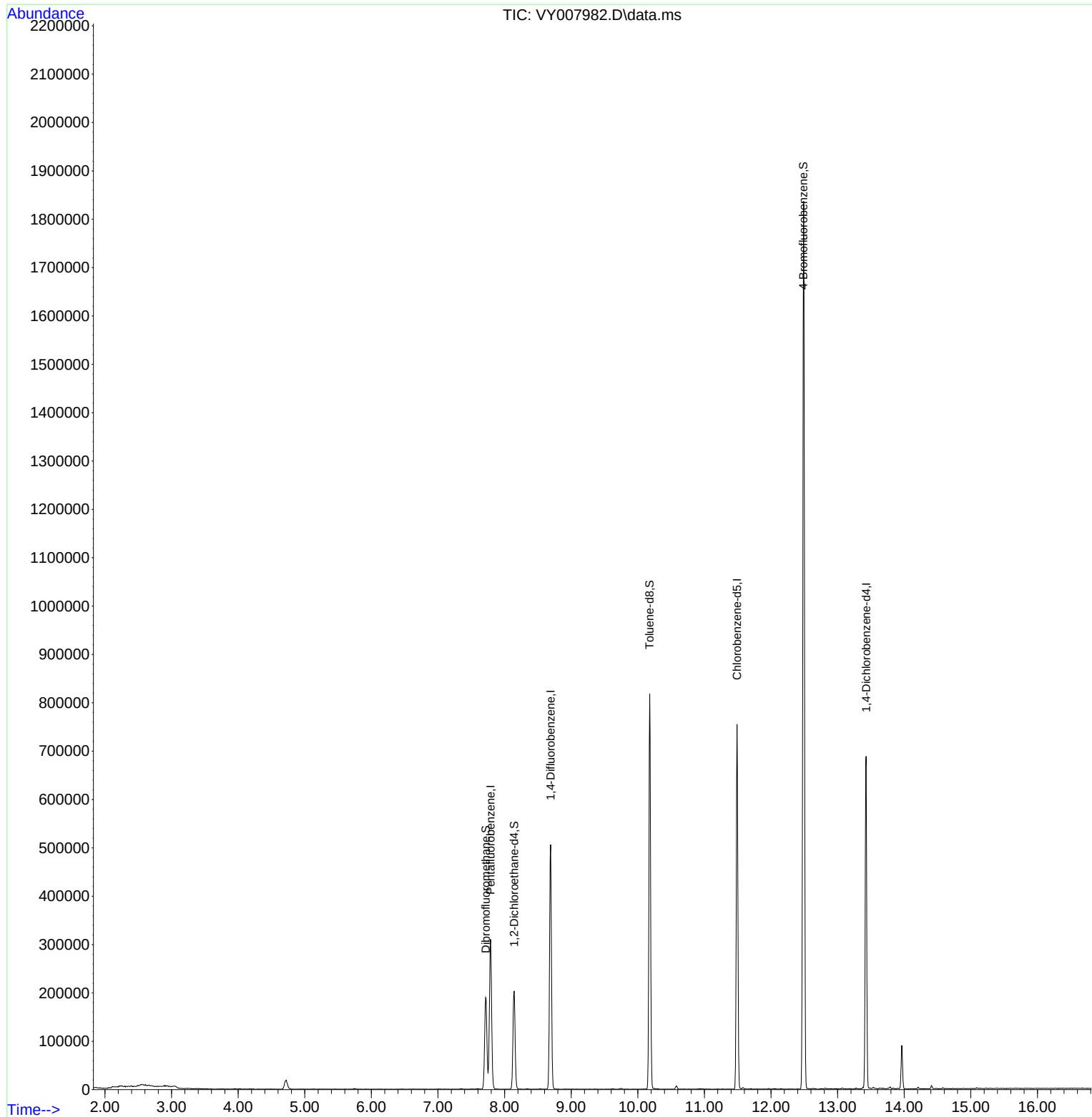
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

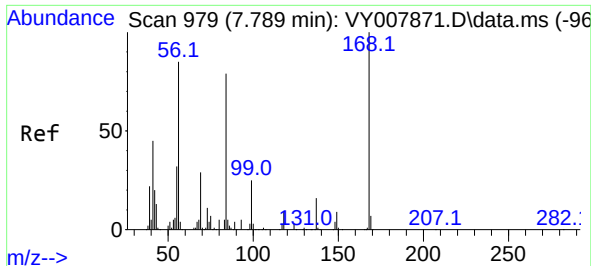
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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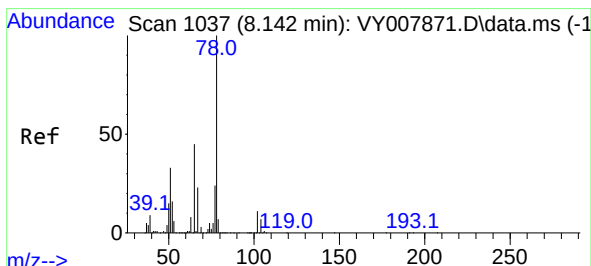
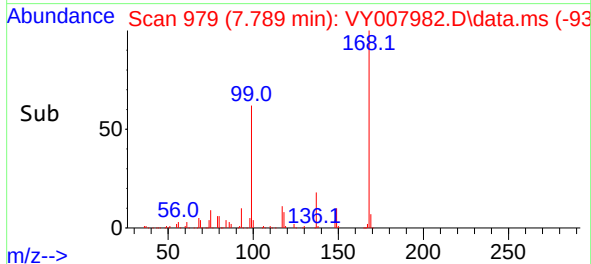
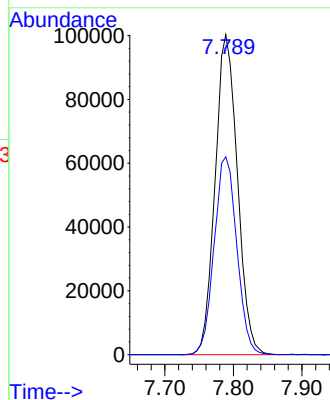
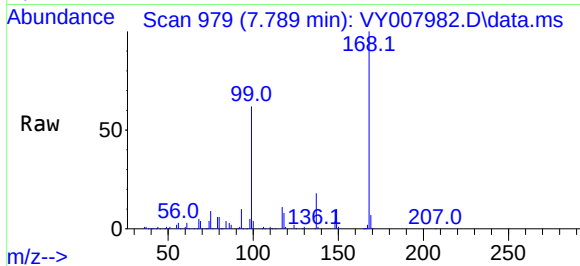




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007982.D  
Acq: 22 Mar 2022 03:27

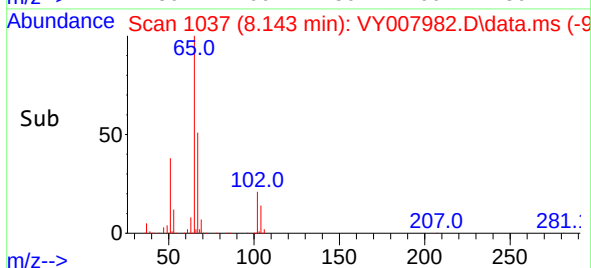
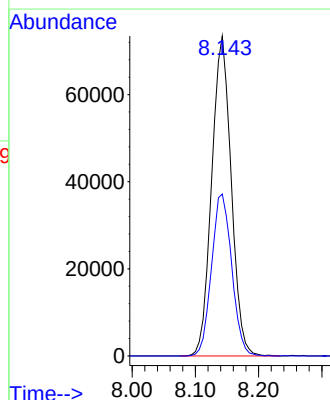
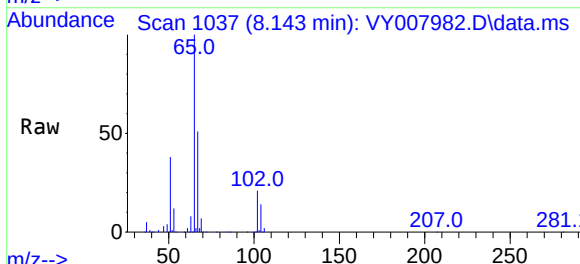
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CMP-B3-031822-0-6

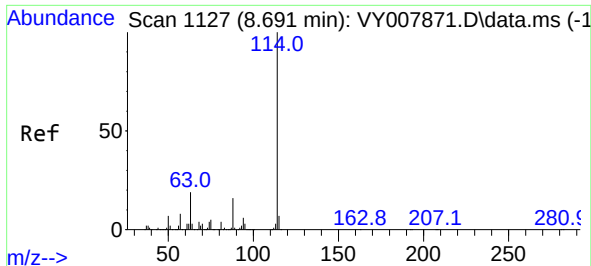
Tgt Ion:168 Resp: 226649  
Ion Ratio Lower Upper  
168 100  
99 61.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.904 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY007982.D  
Acq: 22 Mar 2022 03:27

Tgt Ion: 65 Resp: 157389  
Ion Ratio Lower Upper  
65 100  
67 52.4 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: VY007982.D

Acq: 22 Mar 2022 03:27

Instrument :

MSVOA\_Y

ClientSampleId :

CMP-B3-031822-0-6

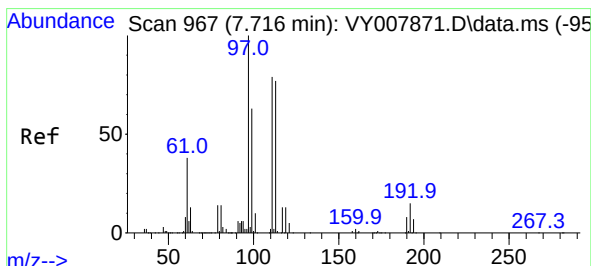
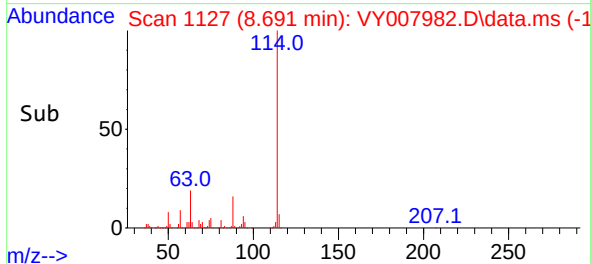
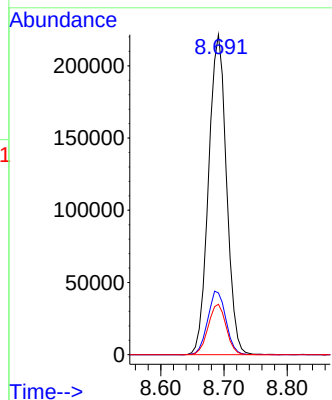
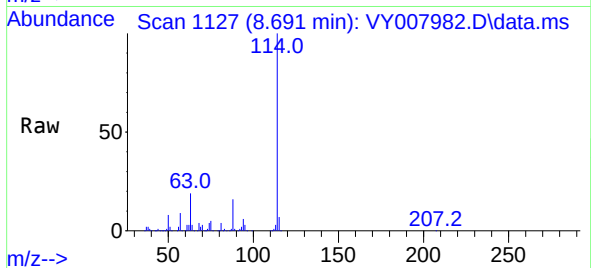
Tgt Ion:114 Resp: 435709

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.697 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007982.D

Acq: 22 Mar 2022 03:27

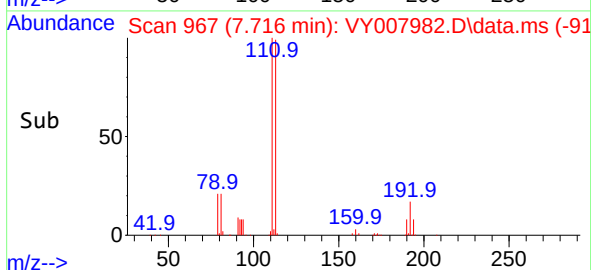
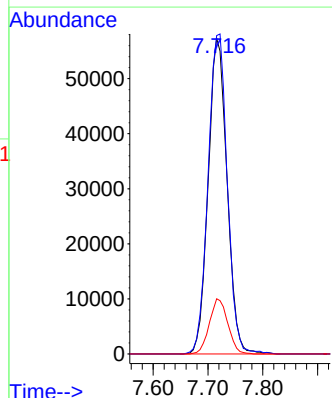
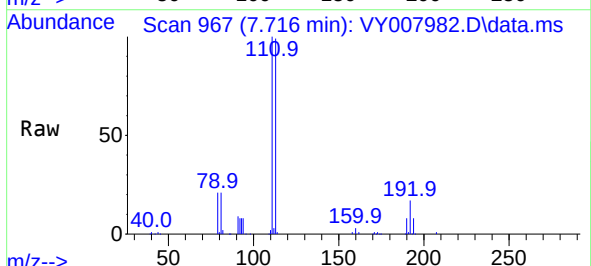
Tgt Ion:113 Resp: 136770

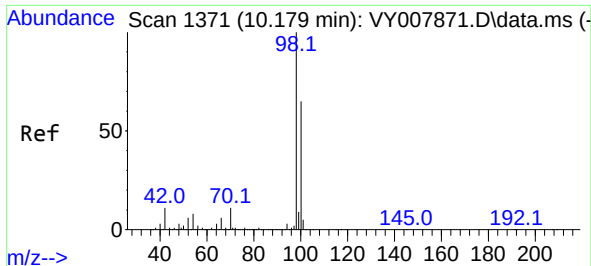
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 17.1 17.6 26.4#

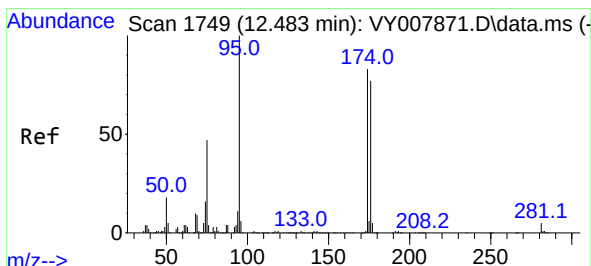
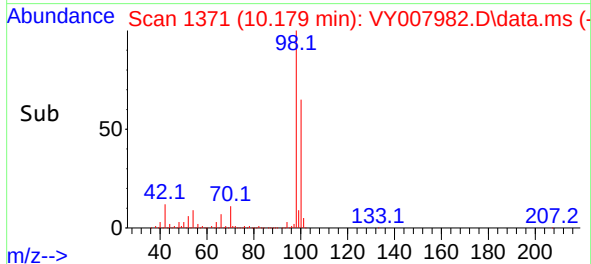
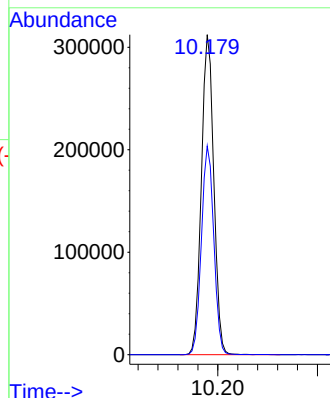
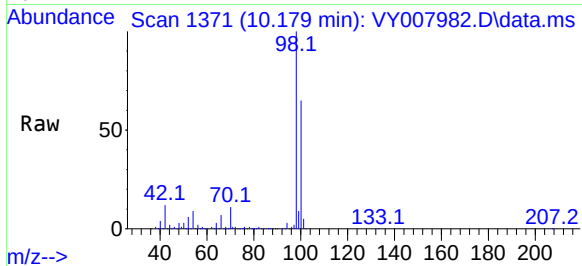




#50  
Toluene-d8  
Concen: 59.281 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007982.D  
Acq: 22 Mar 2022 03:27

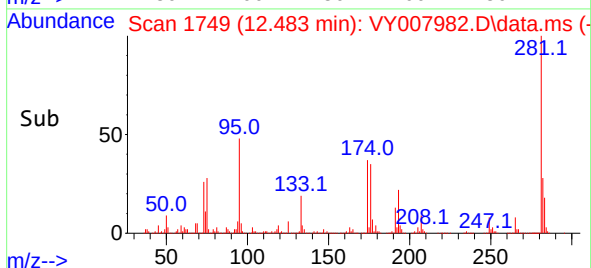
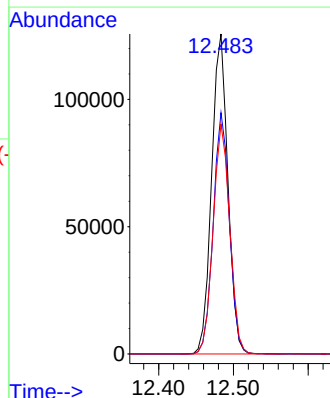
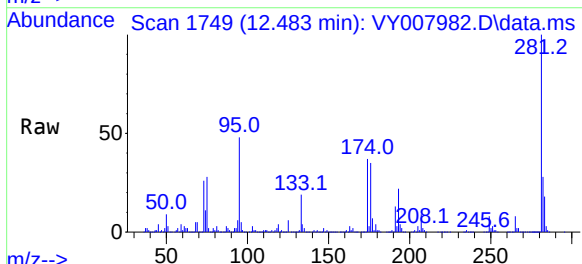
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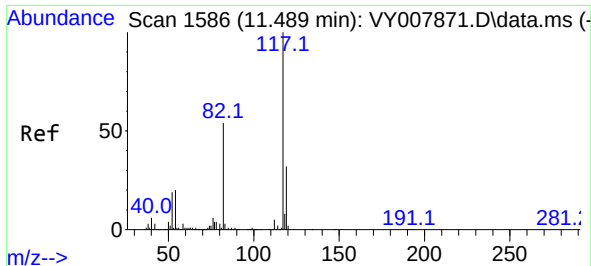
Tgt Ion: 98 Resp: 537677  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 43.386 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007982.D  
Acq: 22 Mar 2022 03:27

Tgt Ion: 95 Resp: 190536  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 177.0  
176 73.5 0.0 175.8

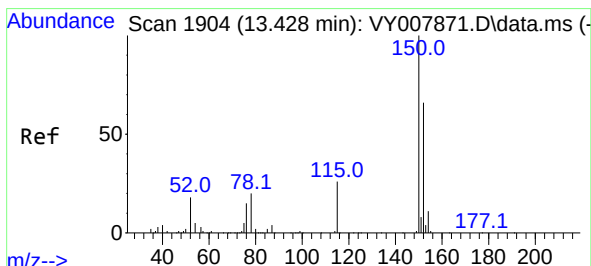
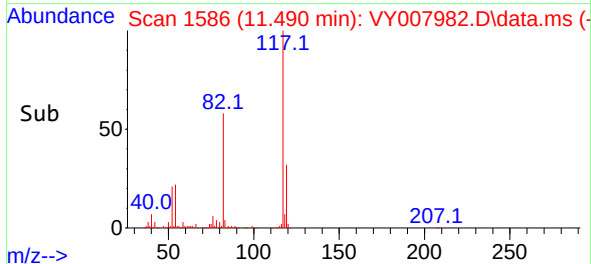
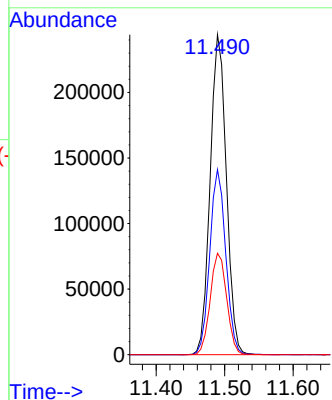
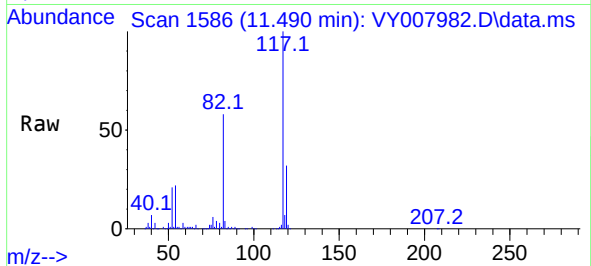




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11586  
Delta R.T. -0.000 min  
Lab File: VY007982.D  
Acq: 22 Mar 2022 03:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CMP-B3-031822-0-6

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 400631 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.9  | 43.0  | 64.4   |
| 119      | 31.7  | 25.4  | 38.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY007982.D  
Acq: 22 Mar 2022 03:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 168948 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 61.1  | 28.2  | 84.7   |
| 150      | 158.8 | 0.0   | 347.6  |

