

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060623\  
 Data File : VY014041.D  
 Acq On : 06 Jun 2023 19:19  
 Operator : KP/MD  
 Sample : 03044-03  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-02-5.0-7.0-DUP

Quant Time: Jun 07 01:42:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 104331   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 176023   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 180854   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 82105    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 77760    | 56.303   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.600% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 63334    | 56.617   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 113.240% |
| 50) Toluene-d8              | 10.179 | 98    | 222243   | 52.084   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 104.160% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 71769    | 49.336   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 98.680%  |

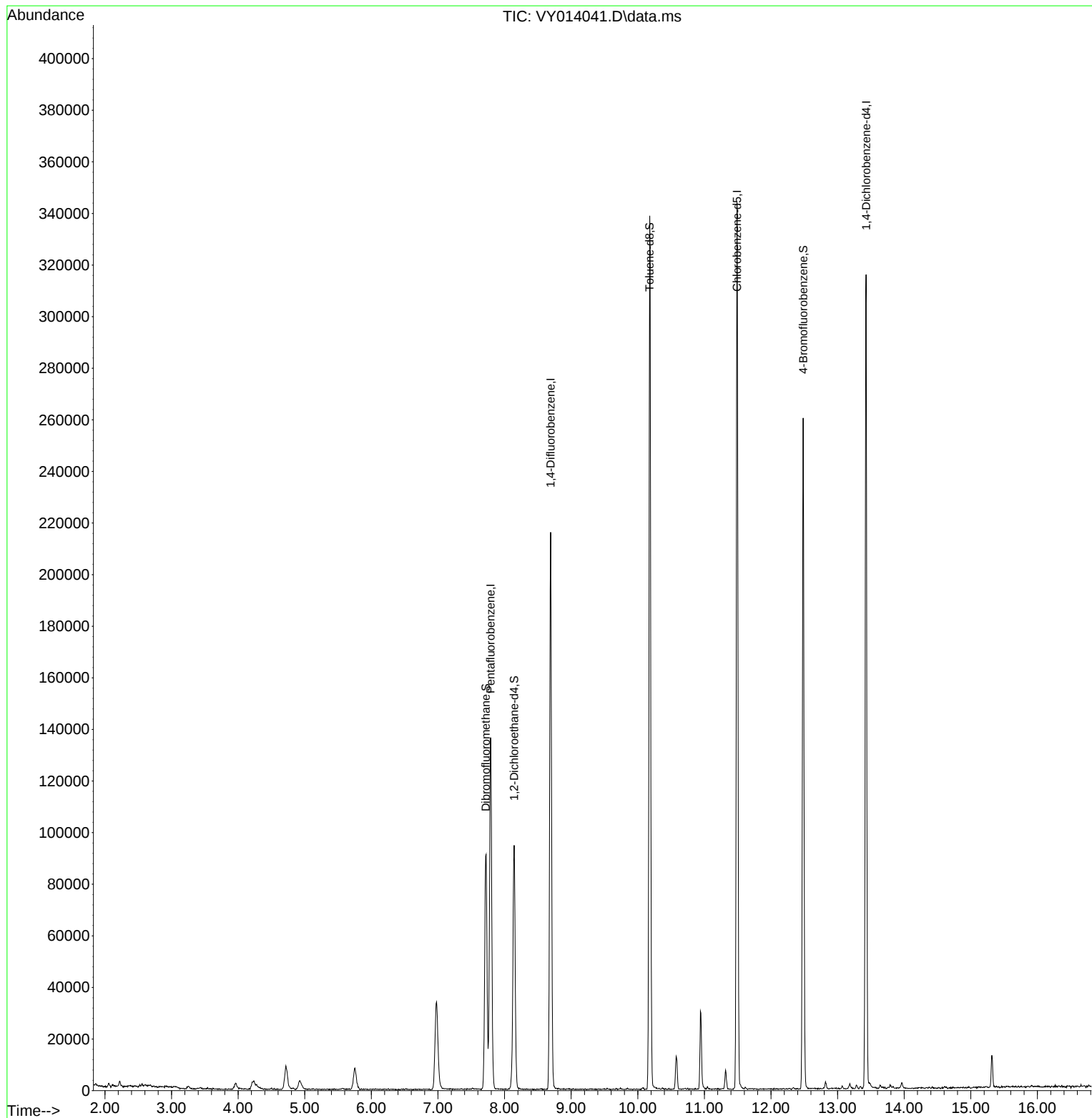
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

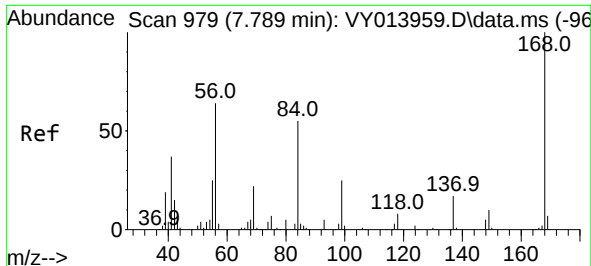
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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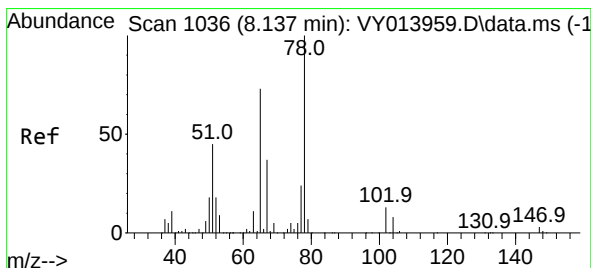
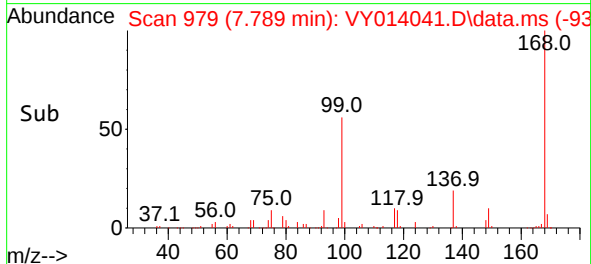
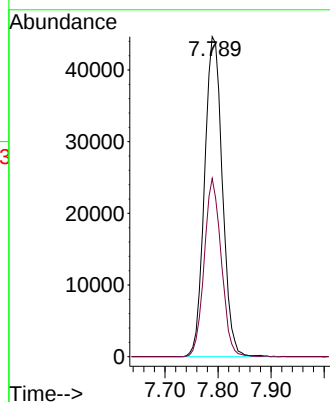
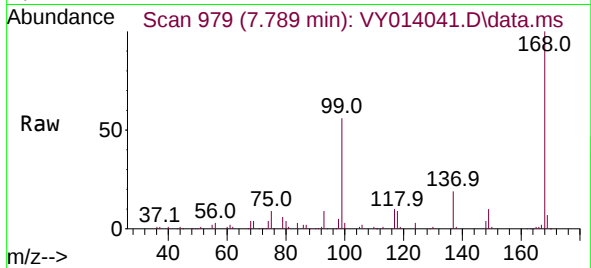




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014041.D  
Acq: 06 Jun 2023 19:19

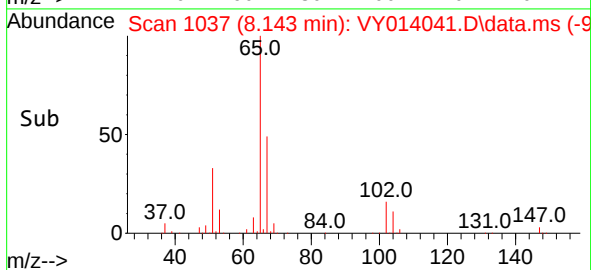
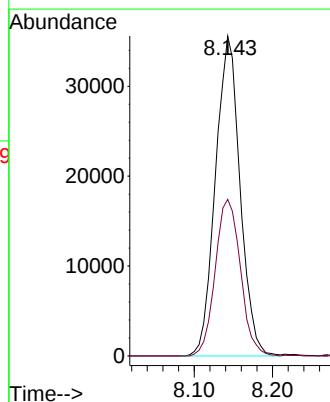
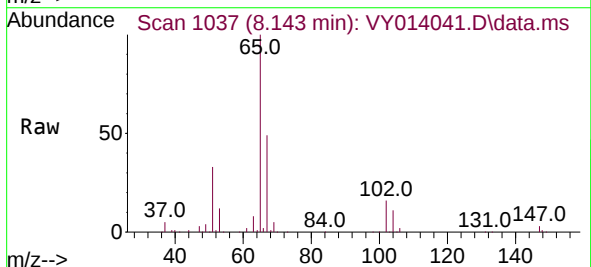
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-5.0-7.0-DUP

Tgt Ion:168 Resp: 104331  
Ion Ratio Lower Upper  
168 100  
99 55.7 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 56.303 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY014041.D  
Acq: 06 Jun 2023 19:19

Tgt Ion: 65 Resp: 77760  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 101.8

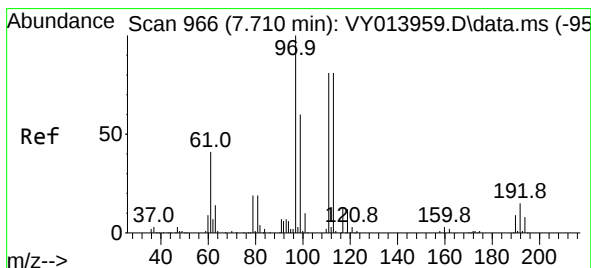
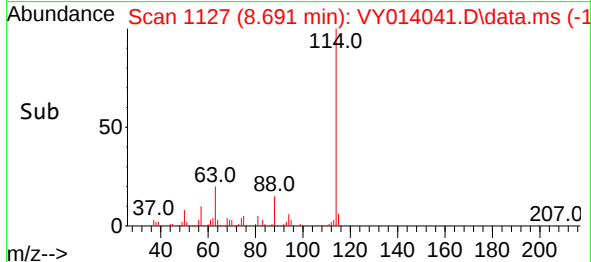
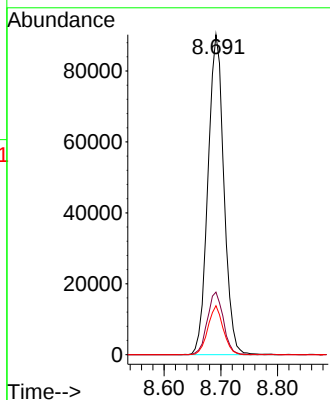
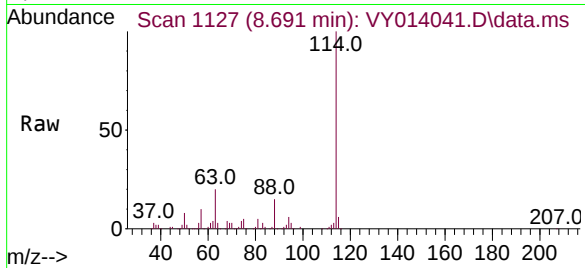




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY014041.D  
Acq: 06 Jun 2023 19:19

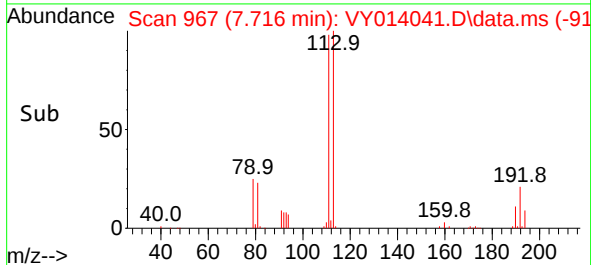
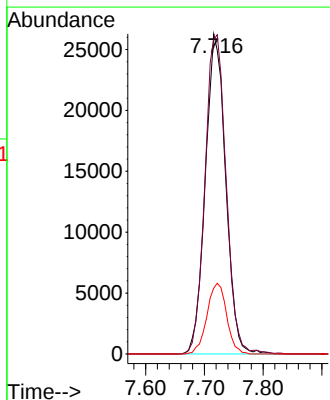
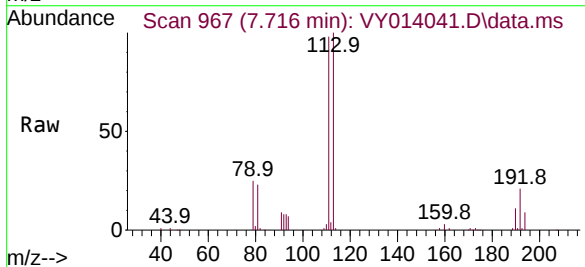
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-5.0-7.0-DUP

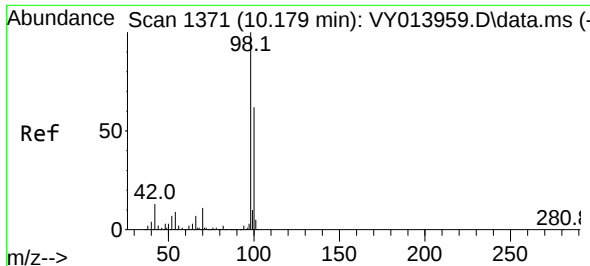
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 176023 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 19.5  | 0.0   | 42.4   |
| 88        | 15.3  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 56.617 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY014041.D  
Acq: 06 Jun 2023 19:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 63334 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.4 | 81.3  | 121.9 |
| 192       | 21.3  | 16.9  | 25.3  |

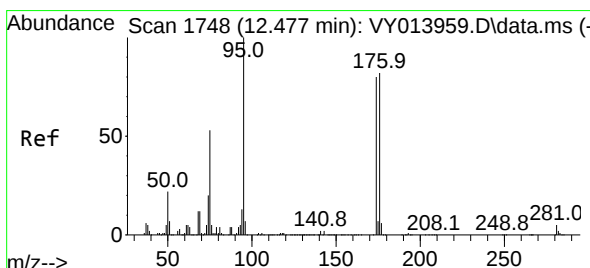
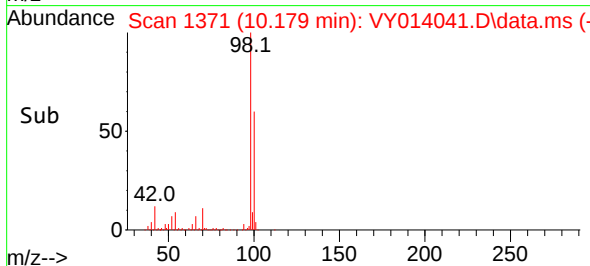
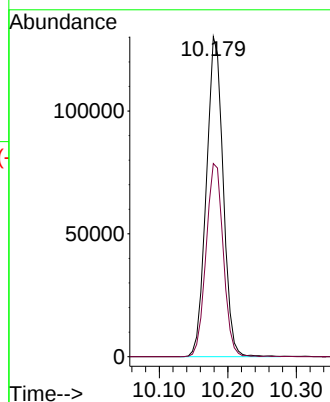
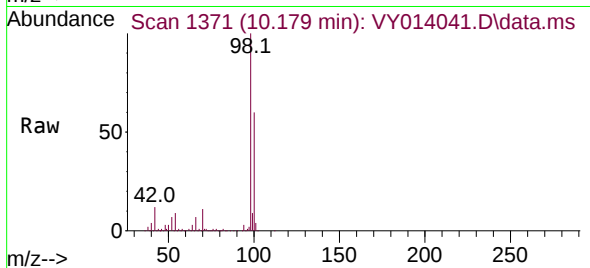




#50  
Toluene-d8  
Concen: 52.084 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014041.D  
Acq: 06 Jun 2023 19:19

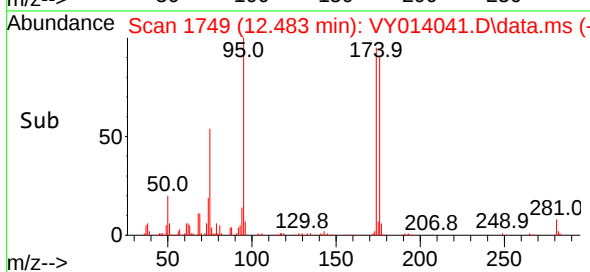
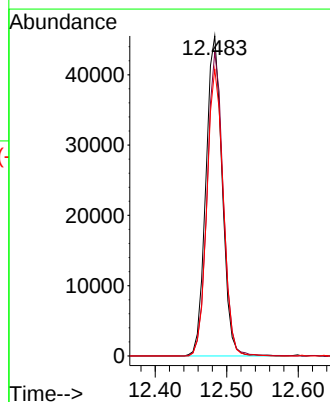
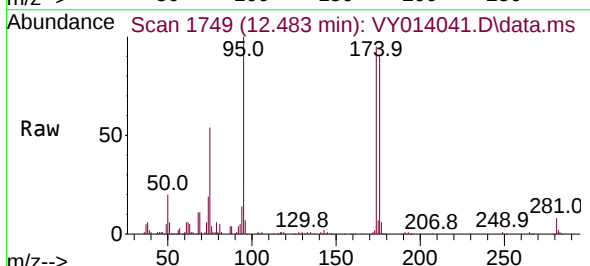
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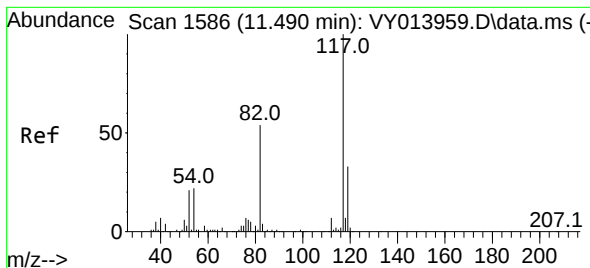
Tgt Ion: 98 Resp: 222243  
Ion Ratio Lower Upper  
98 100  
100 61.7 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.336 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014041.D  
Acq: 06 Jun 2023 19:19

Tgt Ion: 95 Resp: 71769  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 178.2  
176 90.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-5.0-7.0-DUP

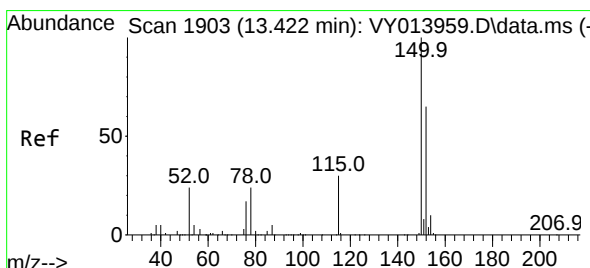
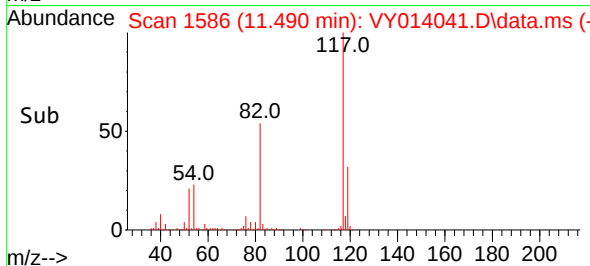
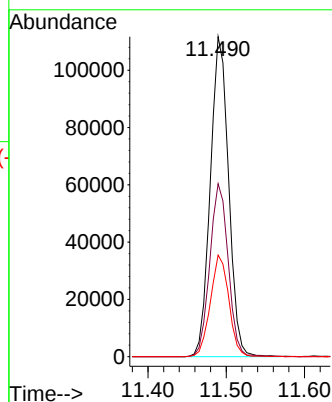
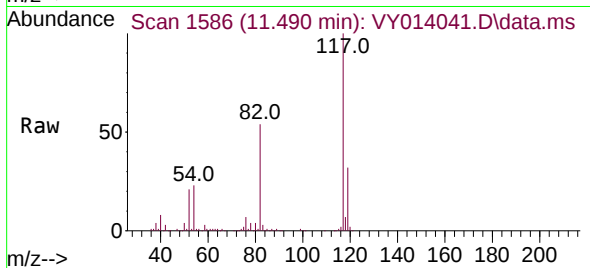
Tgt Ion:117 Resp: 180854

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

Tgt Ion:152 Resp: 82105

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 158.2 0.0 348.8

