

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060823\  
 Data File : VY014085.D  
 Acq On : 08 Jun 2023 19:59  
 Operator : KP/MD  
 Sample : 03094-01  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-1

Quant Time: Jun 09 04:24:45 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      | 7.795  | 168  | 24908    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 37660    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 35291    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 12601    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 15668    | 47.519   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.040%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 13468    | 56.273   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.540% |
| 50) Toluene-d8              | 10.179 | 98    | 45851    | 50.225   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.440% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 12107    | 38.900   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 77.800%  |

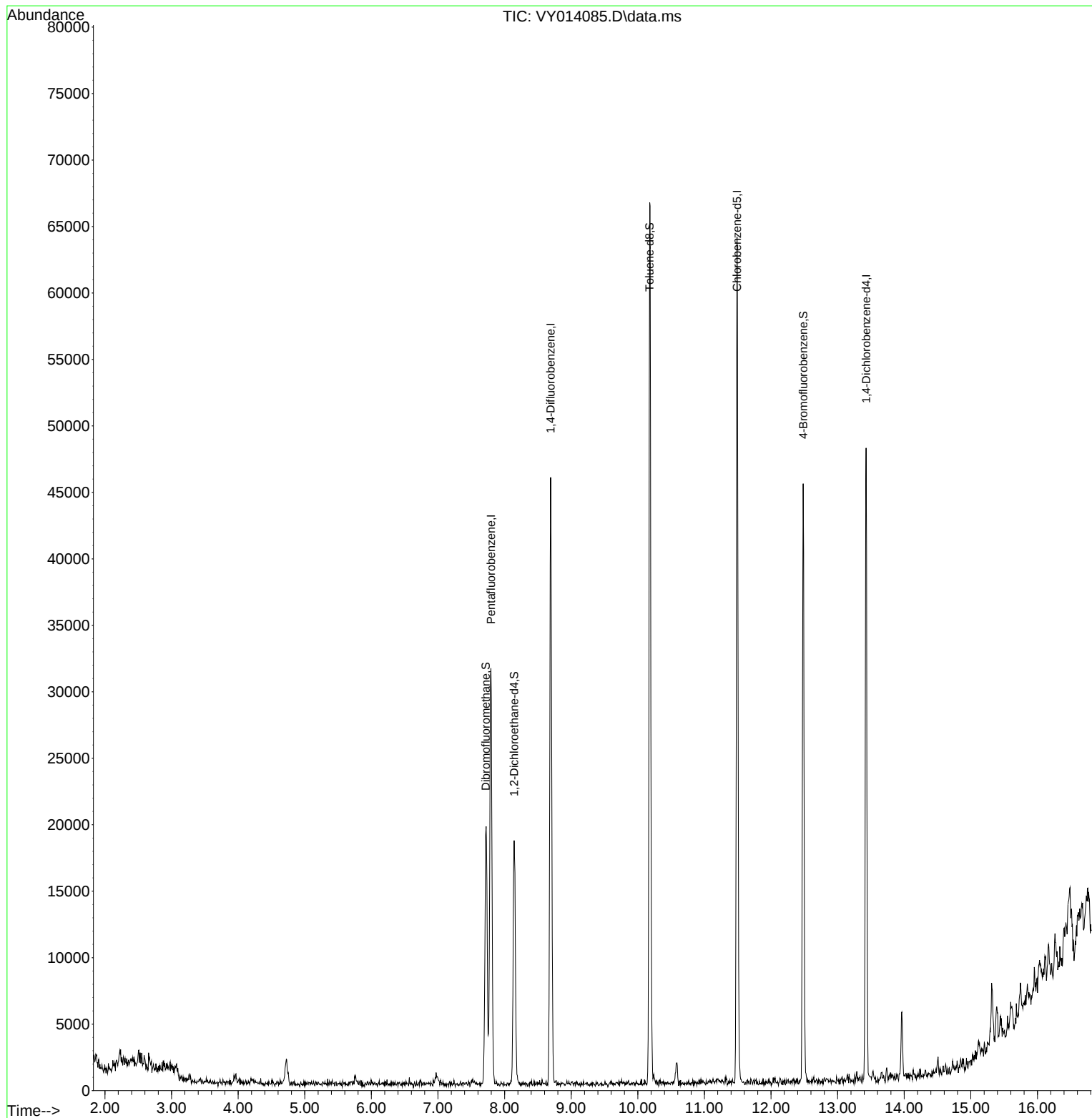
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

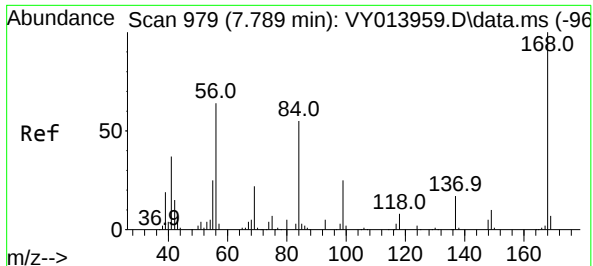
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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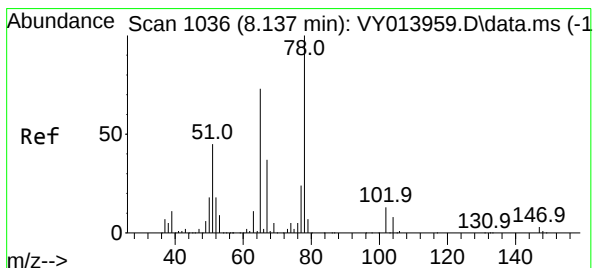
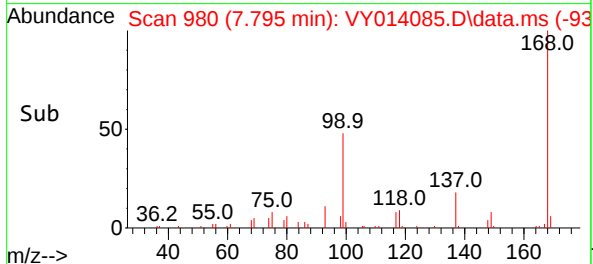
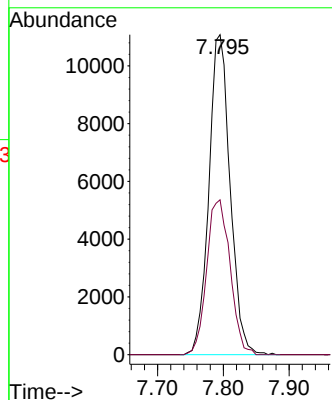
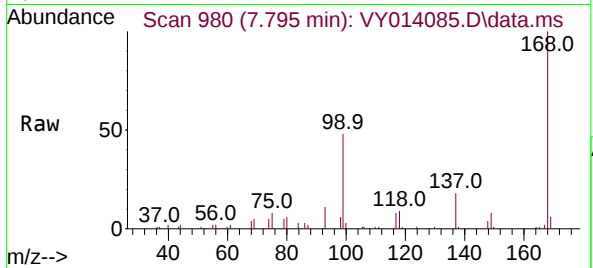




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014085.D  
Acq: 08 Jun 2023 19:59

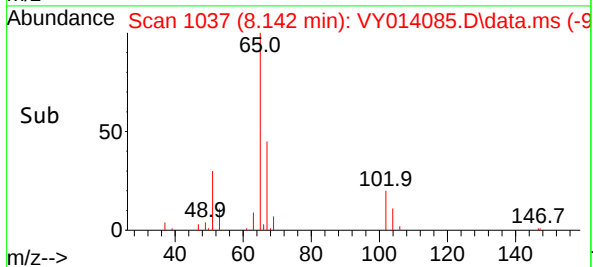
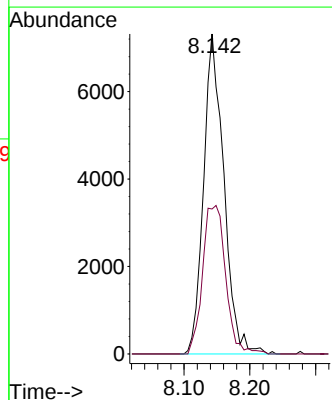
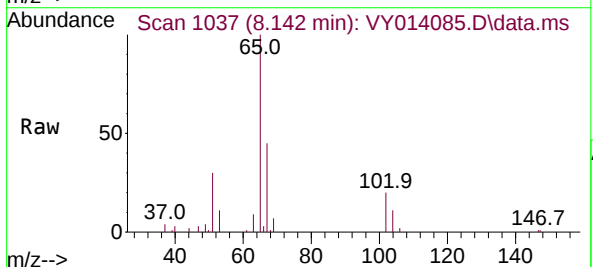
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1

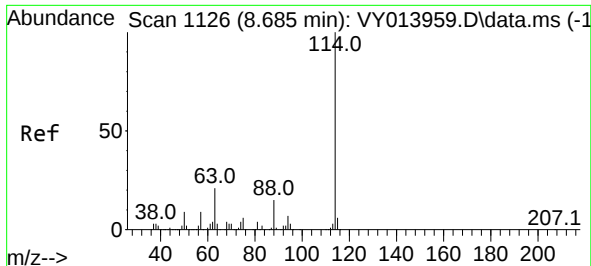
Tgt Ion:168 Resp: 24908  
Ion Ratio Lower Upper  
168 100  
99 48.4 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 47.519 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY014085.D  
Acq: 08 Jun 2023 19:59

Tgt Ion: 65 Resp: 15668  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 101.8

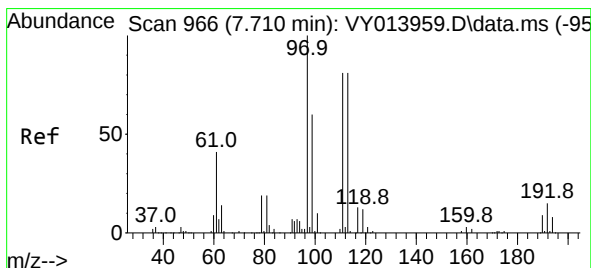
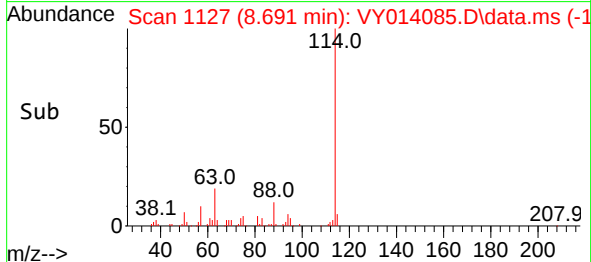
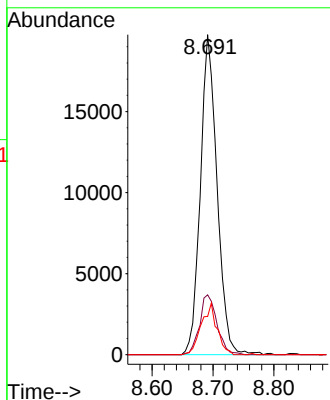
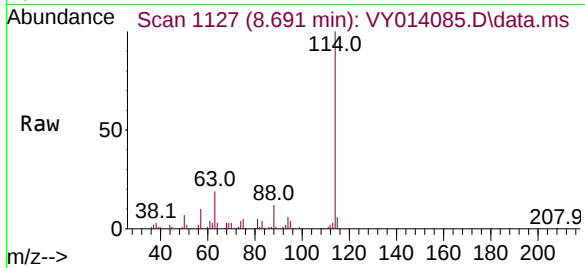




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY014085.D  
Acq: 08 Jun 2023 19:59

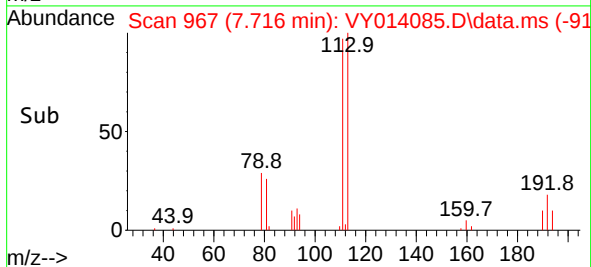
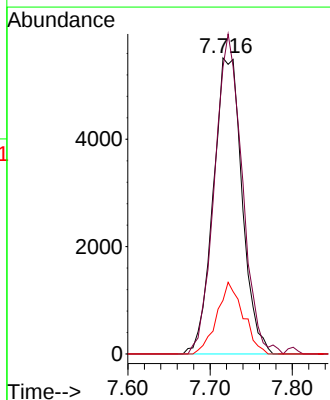
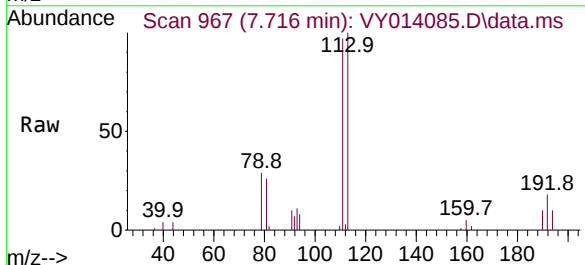
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1

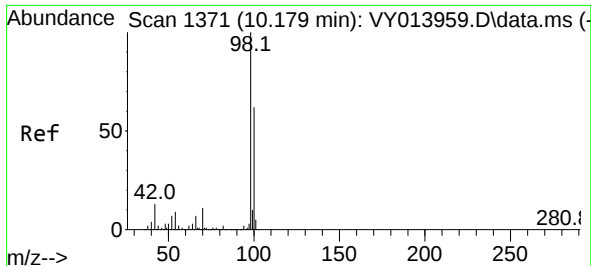
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 37660 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.7  | 0.0   | 42.4  |
| 88       | 11.9  | 0.0   | 30.6  |



#35  
Dibromofluoromethane  
Concen: 56.273 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY014085.D  
Acq: 08 Jun 2023 19:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 13468 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.5 | 81.3  | 121.9 |
| 192      | 22.1  | 16.9  | 25.3  |

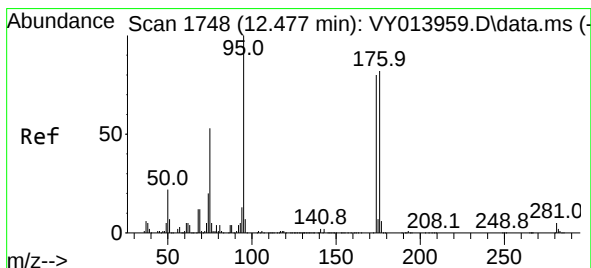
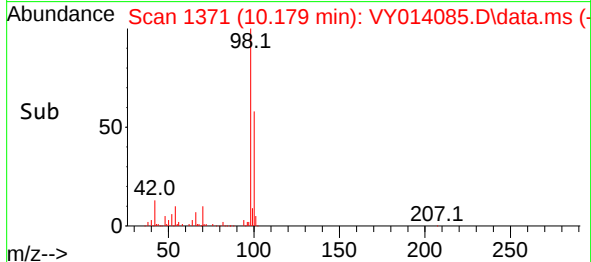
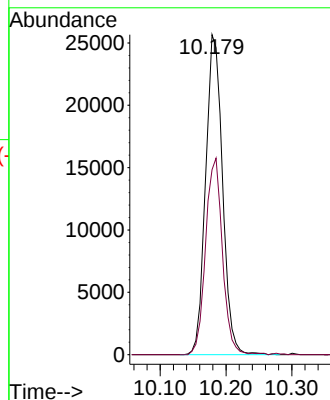
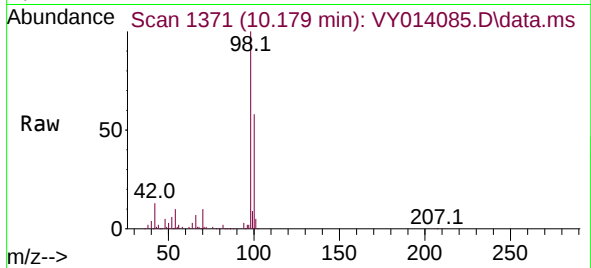




#50  
Toluene-d8  
Concen: 50.225 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY014085.D  
Acq: 08 Jun 2023 19:59

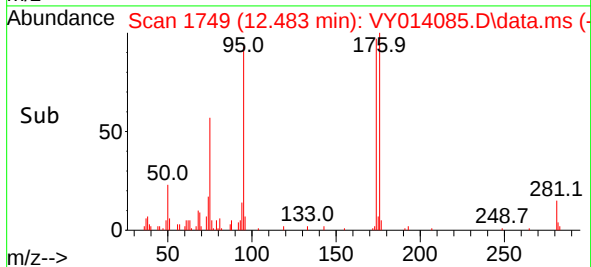
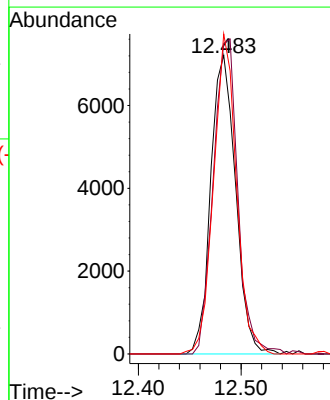
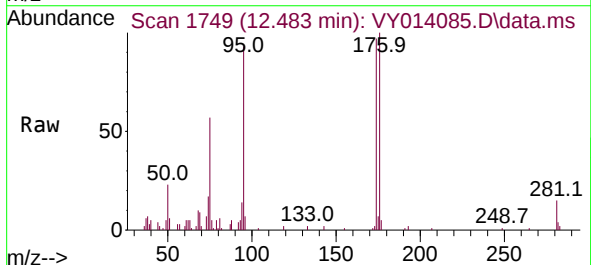
Instrument :  
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WC-1

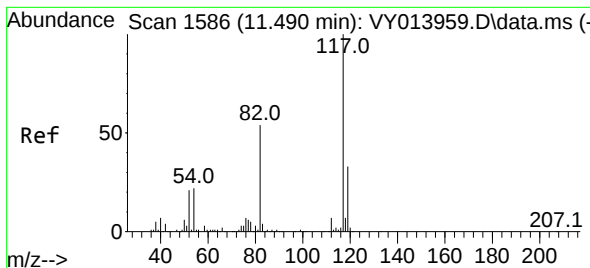
Tgt Ion: 98 Resp: 45851  
Ion Ratio Lower Upper  
98 100  
100 61.1 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 38.900 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014085.D  
Acq: 08 Jun 2023 19:59

Tgt Ion: 95 Resp: 12107  
Ion Ratio Lower Upper  
95 100  
174 103.7 0.0 178.2  
176 98.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014085.D

Acq: 08 Jun 2023 19:59

Instrument :

MSVOA\_Y

ClientSampleId :

WC-1

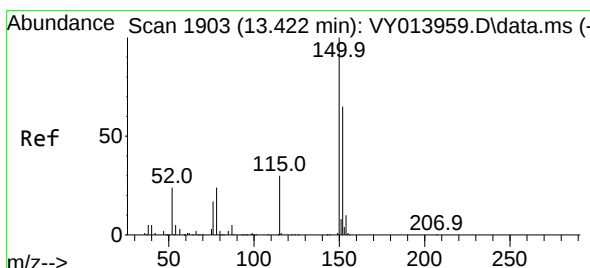
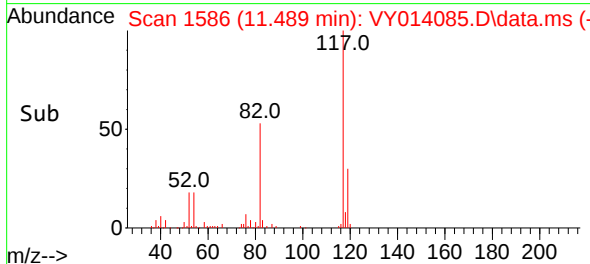
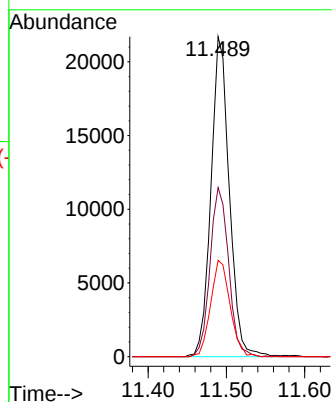
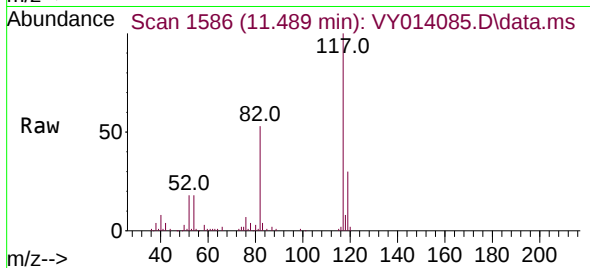
Tgt Ion:117 Resp: 35291

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 30.1 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: VY014085.D

Acq: 08 Jun 2023 19:59

Tgt Ion:152 Resp: 12601

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 163.6 0.0 348.8

