

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091523\  
 Data File : VY015577.D  
 Acq On : 15 Sep 2023 18:13  
 Operator : SY/MD  
 Sample : 04446-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-01-091423

Quant Time: Sep 15 22:59:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 292587   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 497390   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 455522   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 212324   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 189582   | 60.444   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 120.880% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 156212   | 54.527   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.060% |
| 50) Toluene-d8              | 10.179 | 98    | 583775   | 56.269   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 112.540% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 202069   | 52.465   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.940% |

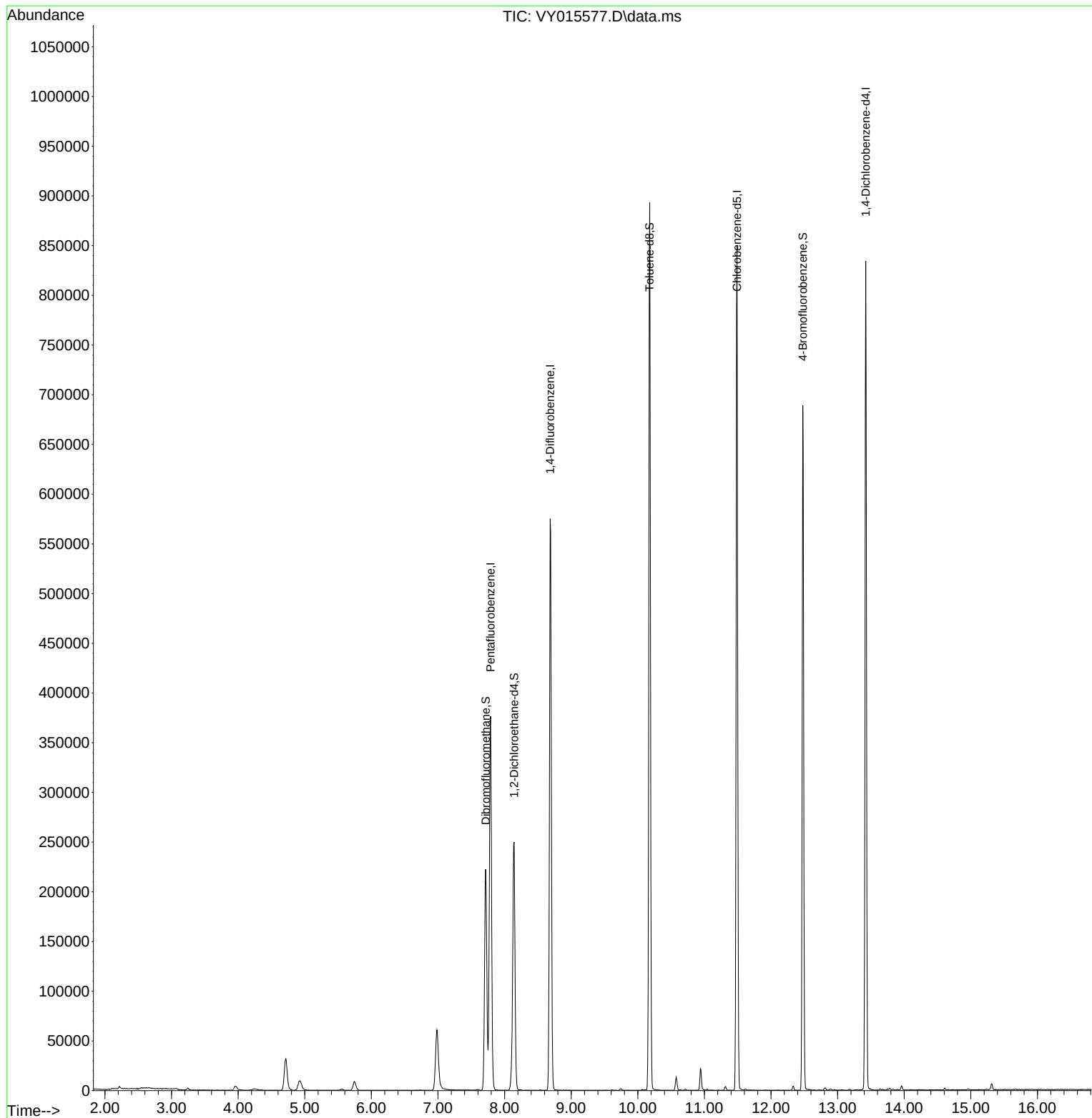
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

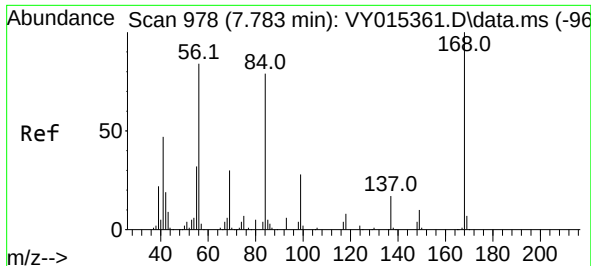
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091523\  
Data File : VY015577.D  
Acq On : 15 Sep 2023 18:13  
Operator : SY/MD  
Sample : 04446-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-091423

Quant Time: Sep 15 22:59:40 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration

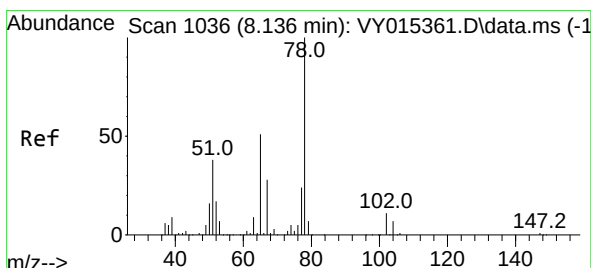
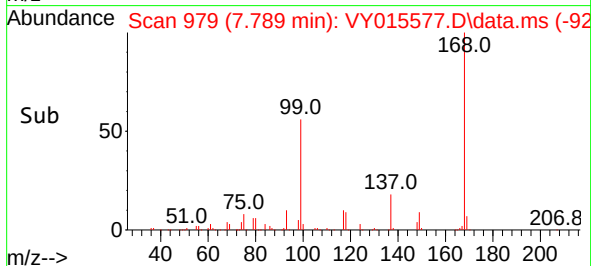
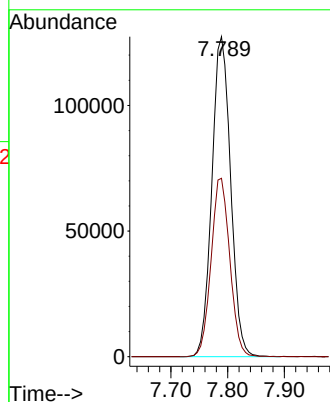
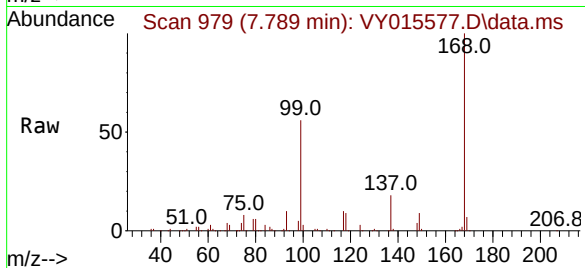




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015577.D  
Acq: 15 Sep 2023 18:13

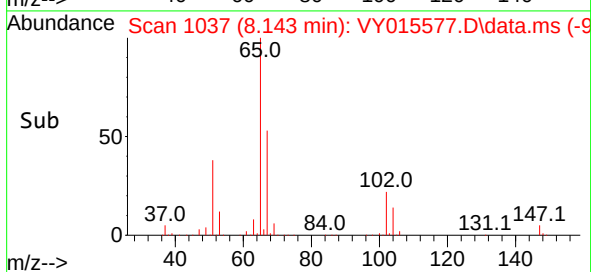
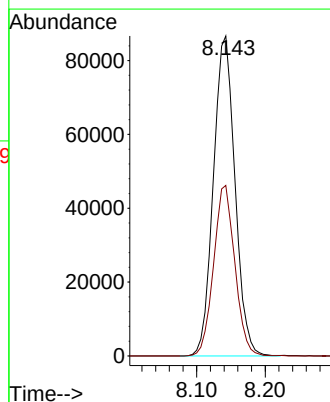
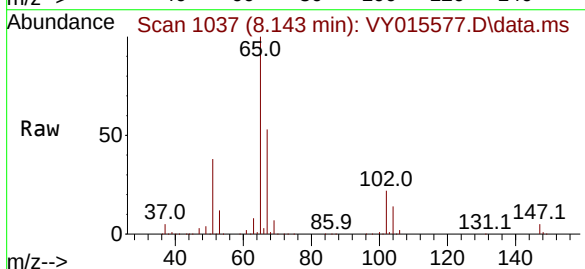
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-091423

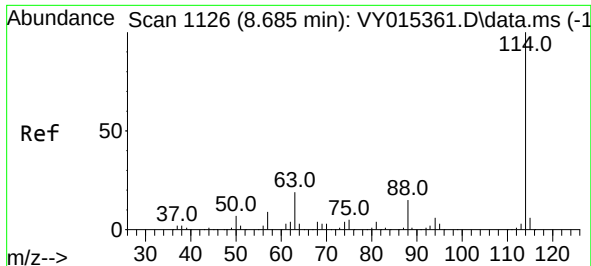
Tgt Ion:168 Resp: 292587  
Ion Ratio Lower Upper  
168 100  
99 55.7 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 60.444 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY015577.D  
Acq: 15 Sep 2023 18:13

Tgt Ion: 65 Resp: 189582  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 101.8

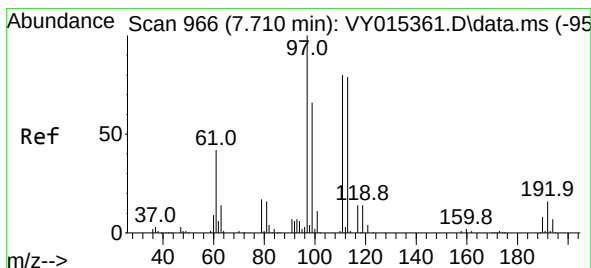
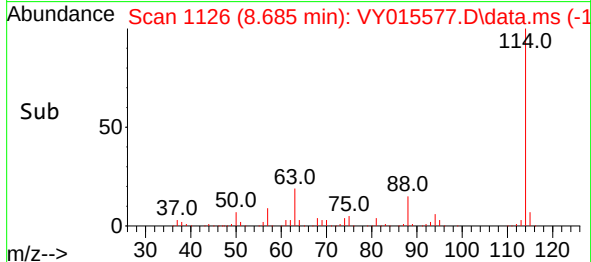
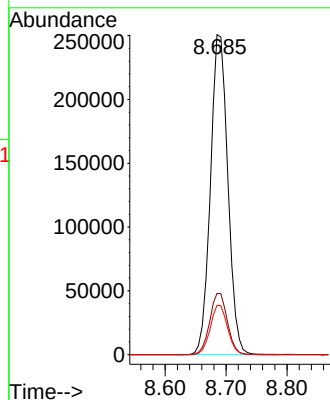
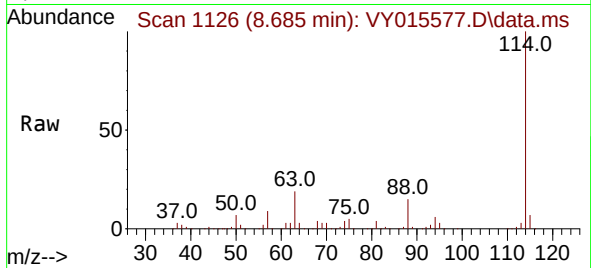




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY015577.D  
Acq: 15 Sep 2023 18:13

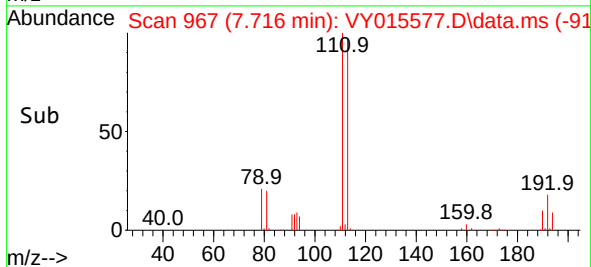
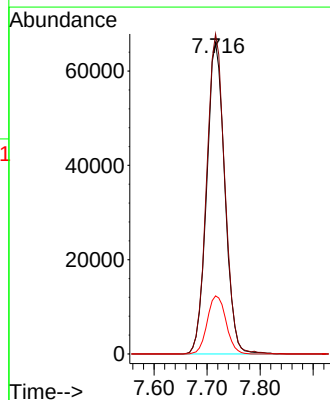
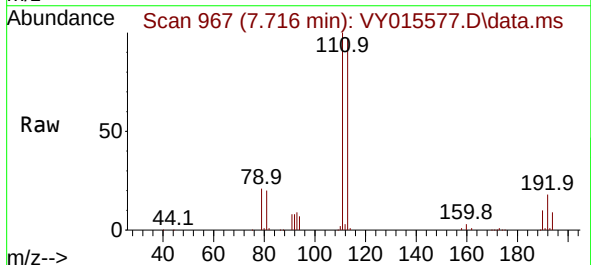
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-091423

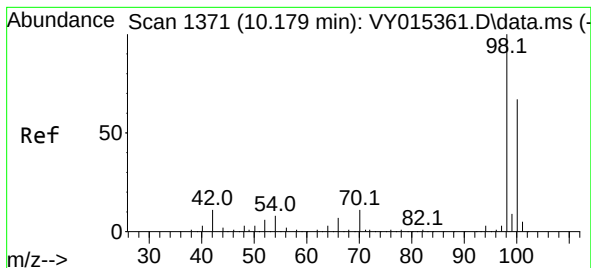
Tgt Ion:114 Resp: 497390  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 42.4  
88 15.4 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.527 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY015577.D  
Acq: 15 Sep 2023 18:13

Tgt Ion:113 Resp: 156212  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.3 121.9  
192 19.4 16.9 25.3





#50

Toluene-d8

Concen: 56.269 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015577.D

Acq: 15 Sep 2023 18:13

Instrument :

MSVOA\_Y

ClientSampleId :

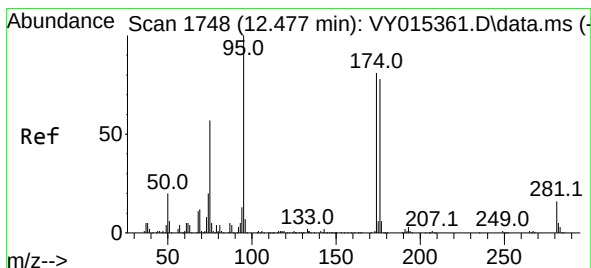
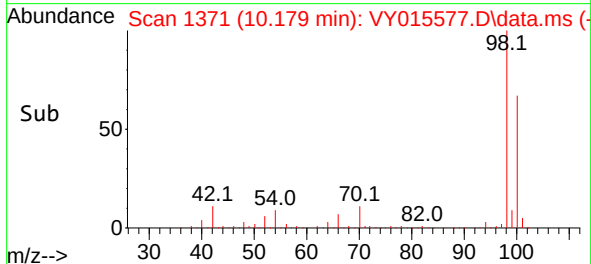
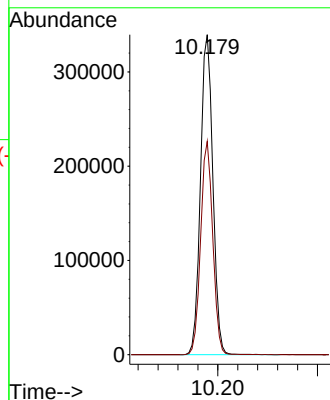
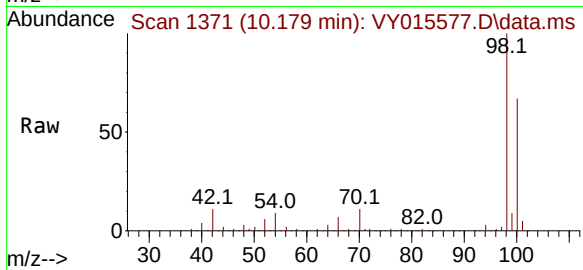
EO-01-091423

Tgt Ion: 98 Resp: 583775

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 52.465 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015577.D

Acq: 15 Sep 2023 18:13

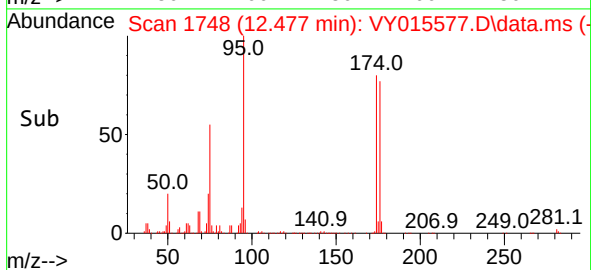
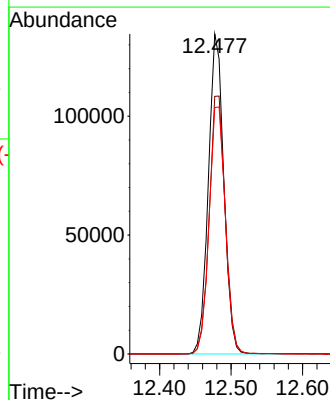
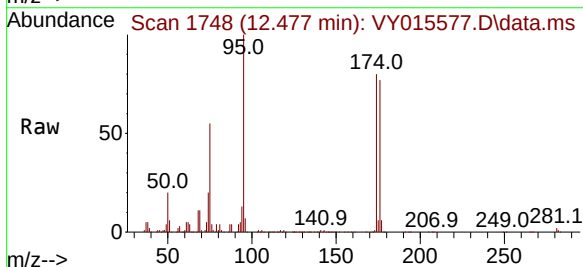
Tgt Ion: 95 Resp: 202069

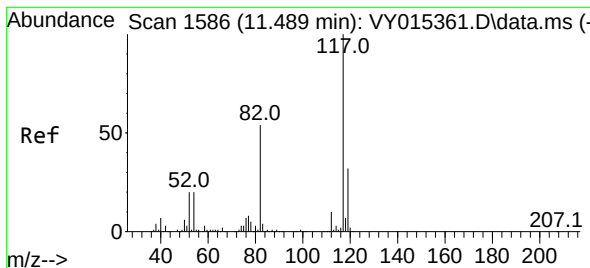
Ion Ratio Lower Upper

95 100

174 83.9 0.0 178.2

176 81.2 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: VY015577.D

Acq: 15 Sep 2023 18:13

Instrument :

MSVOA\_Y

ClientSampleId :

EO-01-091423

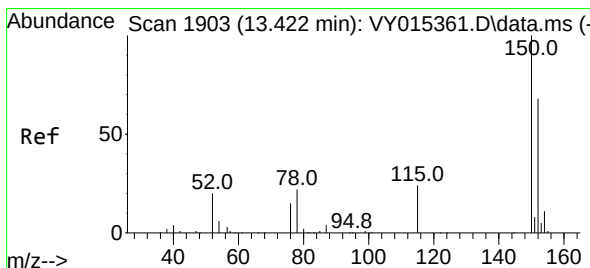
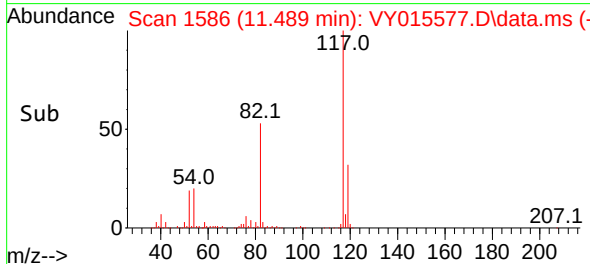
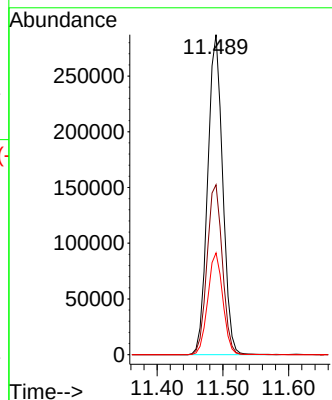
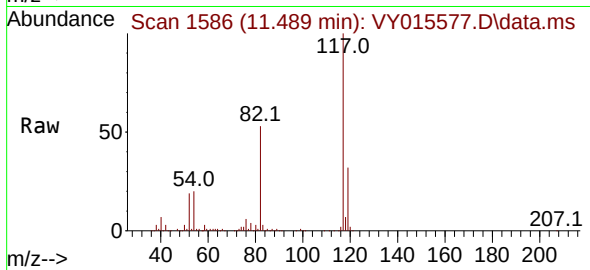
Tgt Ion:117 Resp: 455522

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015577.D

Acq: 15 Sep 2023 18:13

Tgt Ion:152 Resp: 212324

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.5 0.0 348.8

