

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091123\  
 Data File : VY015488.D  
 Acq On : 11 Sep 2023 15:40  
 Operator : SY/MD  
 Sample : 04363-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11940

Quant Time: Sep 12 01:18:57 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      | 7.783  | 168  | 289188   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 477557   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 437452   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 213672   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 181235   | 58.462   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.920% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 148181   | 53.872   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.740% |
| 50) Toluene-d8              | 10.179 | 98    | 559759   | 56.195   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 112.380% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 200415   | 54.197   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 108.400% |

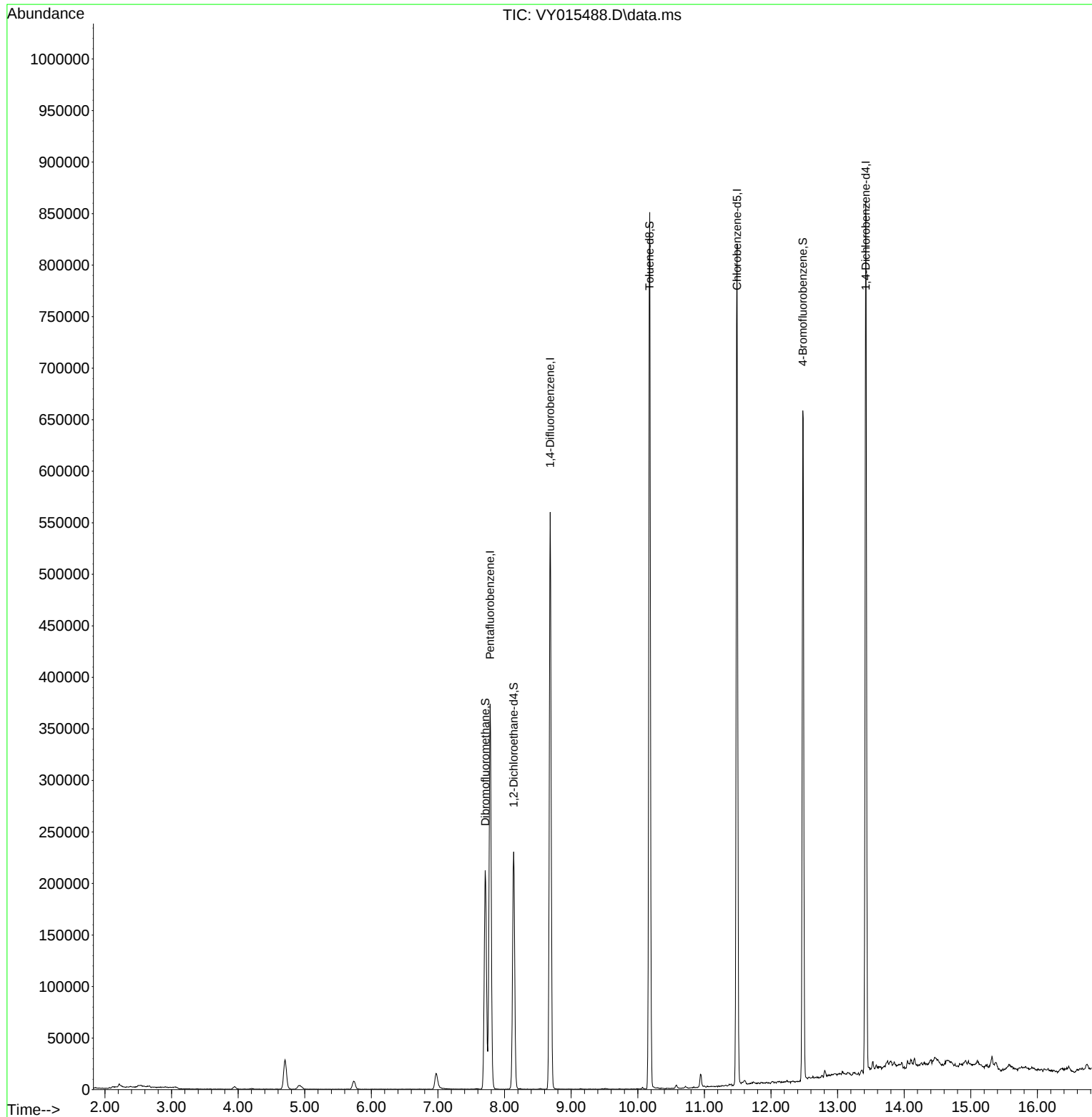
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

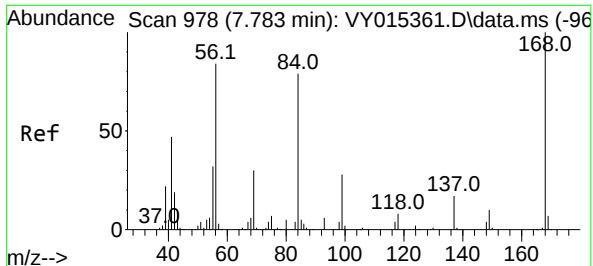
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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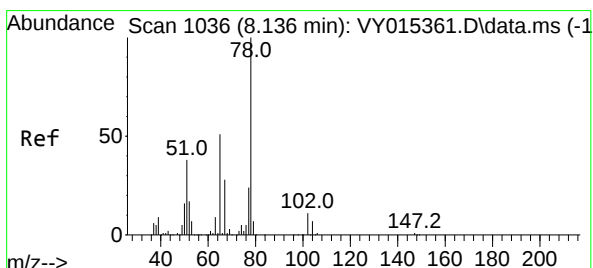
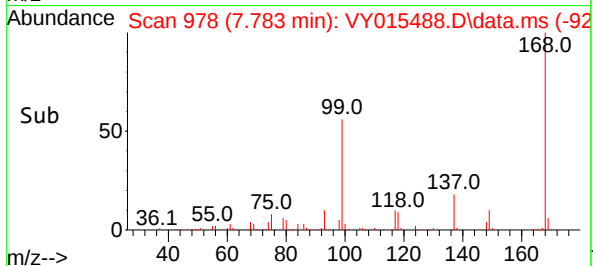
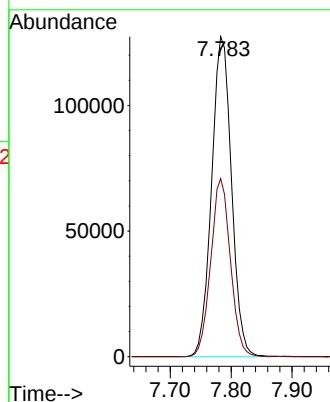
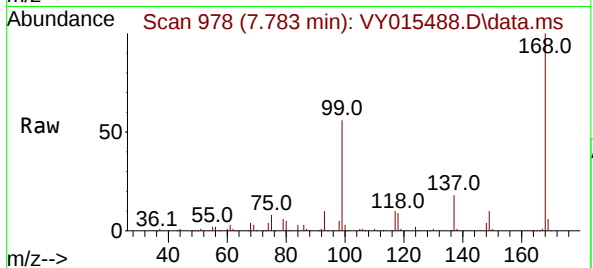




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015488.D  
Acq: 11 Sep 2023 15:40

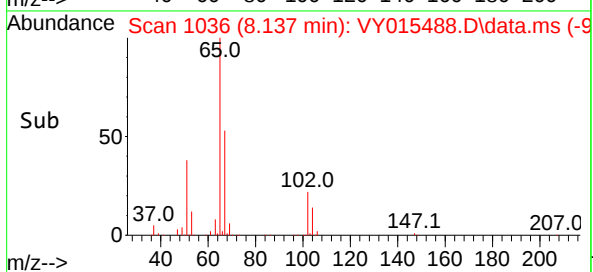
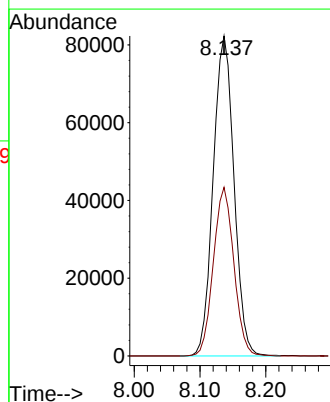
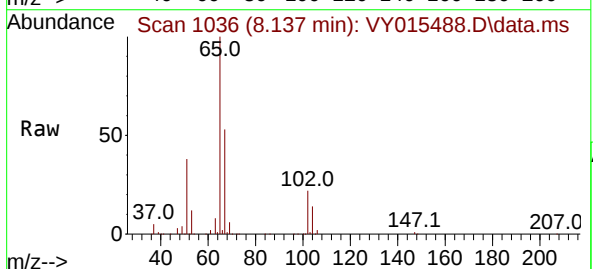
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11940

Tgt Ion:168 Resp: 289188  
Ion Ratio Lower Upper  
168 100  
99 55.7 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 58.462 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015488.D  
Acq: 11 Sep 2023 15:40

Tgt Ion: 65 Resp: 181235  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 101.8

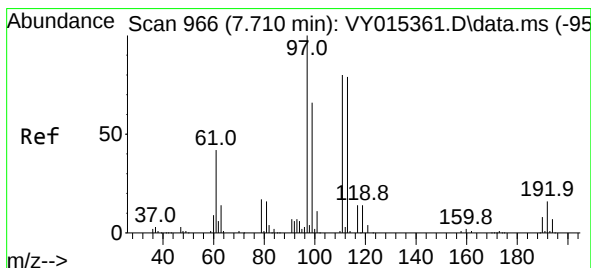
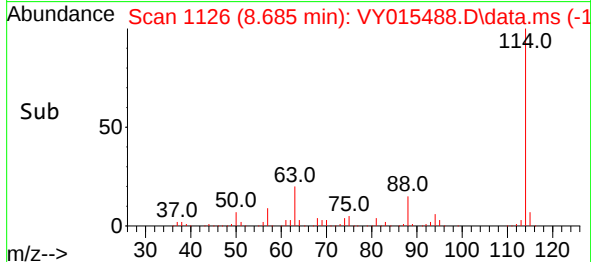
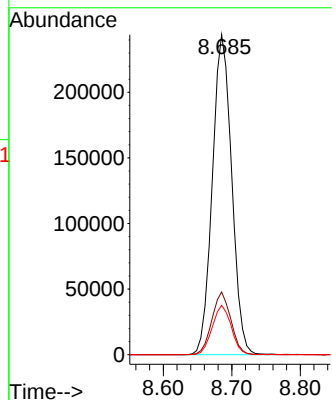
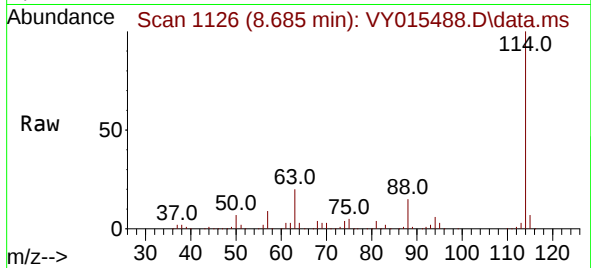




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY015488.D  
Acq: 11 Sep 2023 15:40

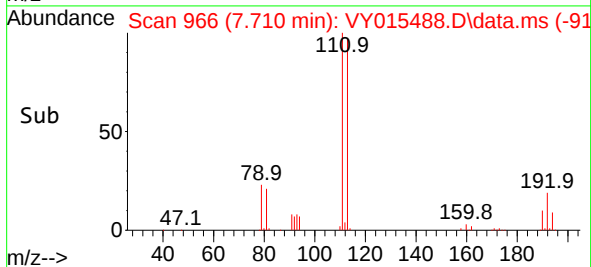
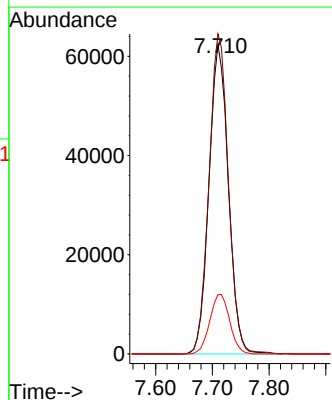
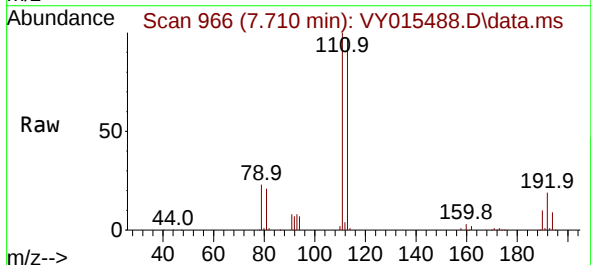
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11940

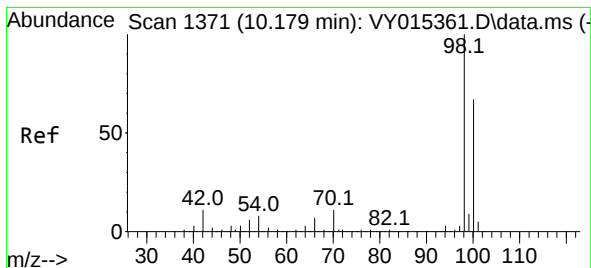
Tgt Ion:114 Resp: 477557  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 42.4  
88 15.4 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 53.872 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: VY015488.D  
Acq: 11 Sep 2023 15:40

Tgt Ion:113 Resp: 148181  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.3 121.9  
192 19.7 16.9 25.3

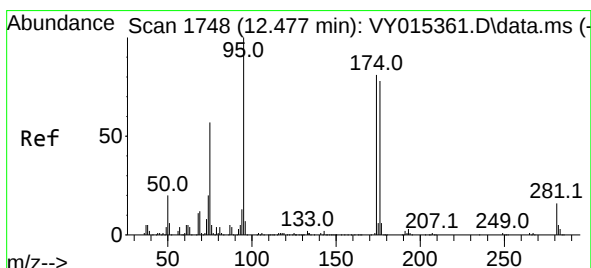
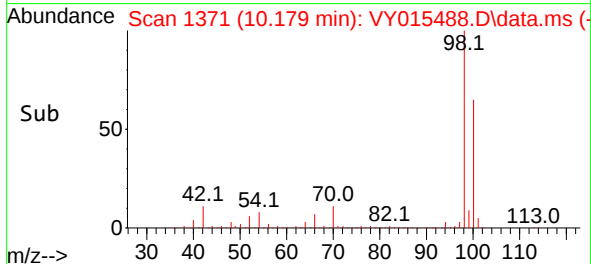
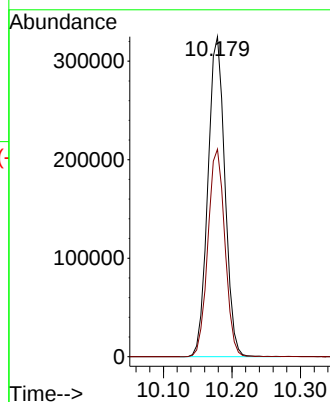
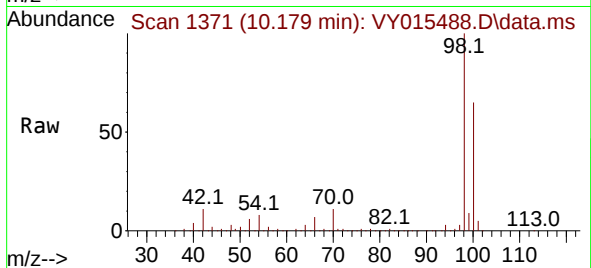




#50  
Toluene-d8  
Concen: 56.195 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015488.D  
Acq: 11 Sep 2023 15:40

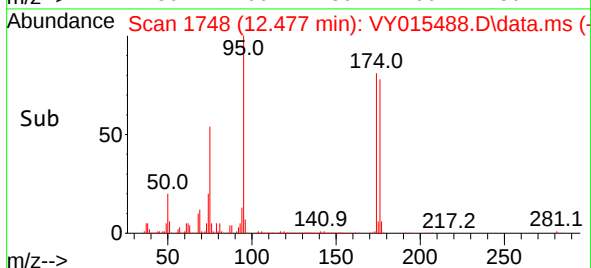
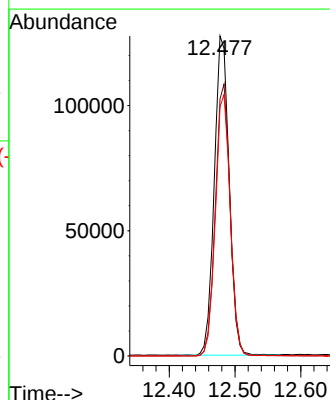
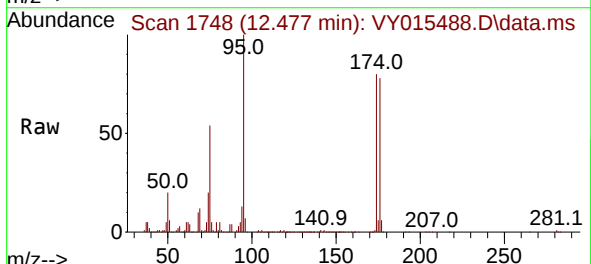
Instrument :  
MSVOA\_Y  
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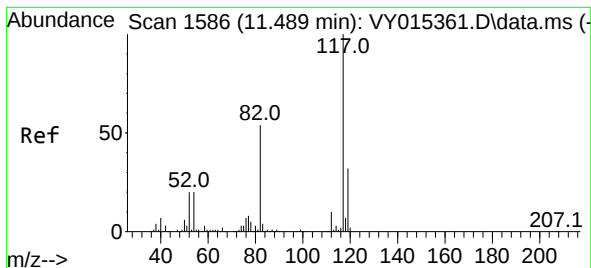
Tgt Ion: 98 Resp: 559759  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 54.197 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY015488.D  
Acq: 11 Sep 2023 15:40

Tgt Ion: 95 Resp: 200415  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 178.2  
176 81.8 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: VY015488.D

Acq: 11 Sep 2023 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

72-11940

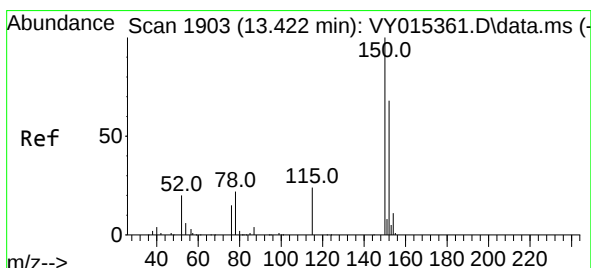
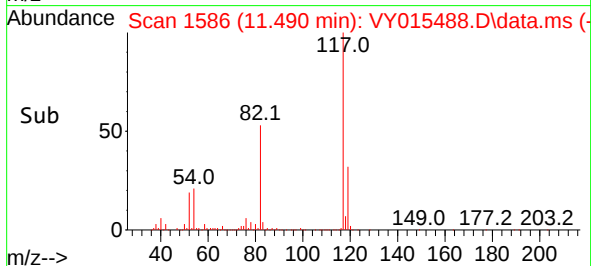
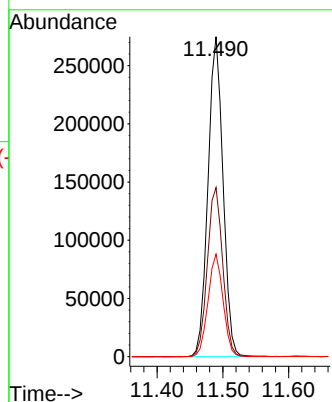
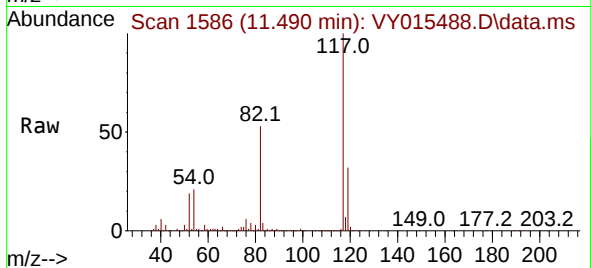
Tgt Ion:117 Resp: 437452

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 32.0 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: VY015488.D

Acq: 11 Sep 2023 15:40

Tgt Ion:152 Resp: 213672

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 157.7 0.0 348.8

