

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072523\  
 Data File : VY014813.D  
 Acq On : 25 Jul 2023 19:42  
 Operator : SY/MD  
 Sample : 03738-04  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 80002

Quant Time: Jul 26 01:23:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 157667   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 274394   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 228682   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 86730    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 94024    | 52.332   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.660% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 85462    | 48.927   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.860%  |
| 50) Toluene-d8              | 10.179 | 98    | 311998   | 48.448   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.900%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 95819    | 38.805   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 77.600%  |

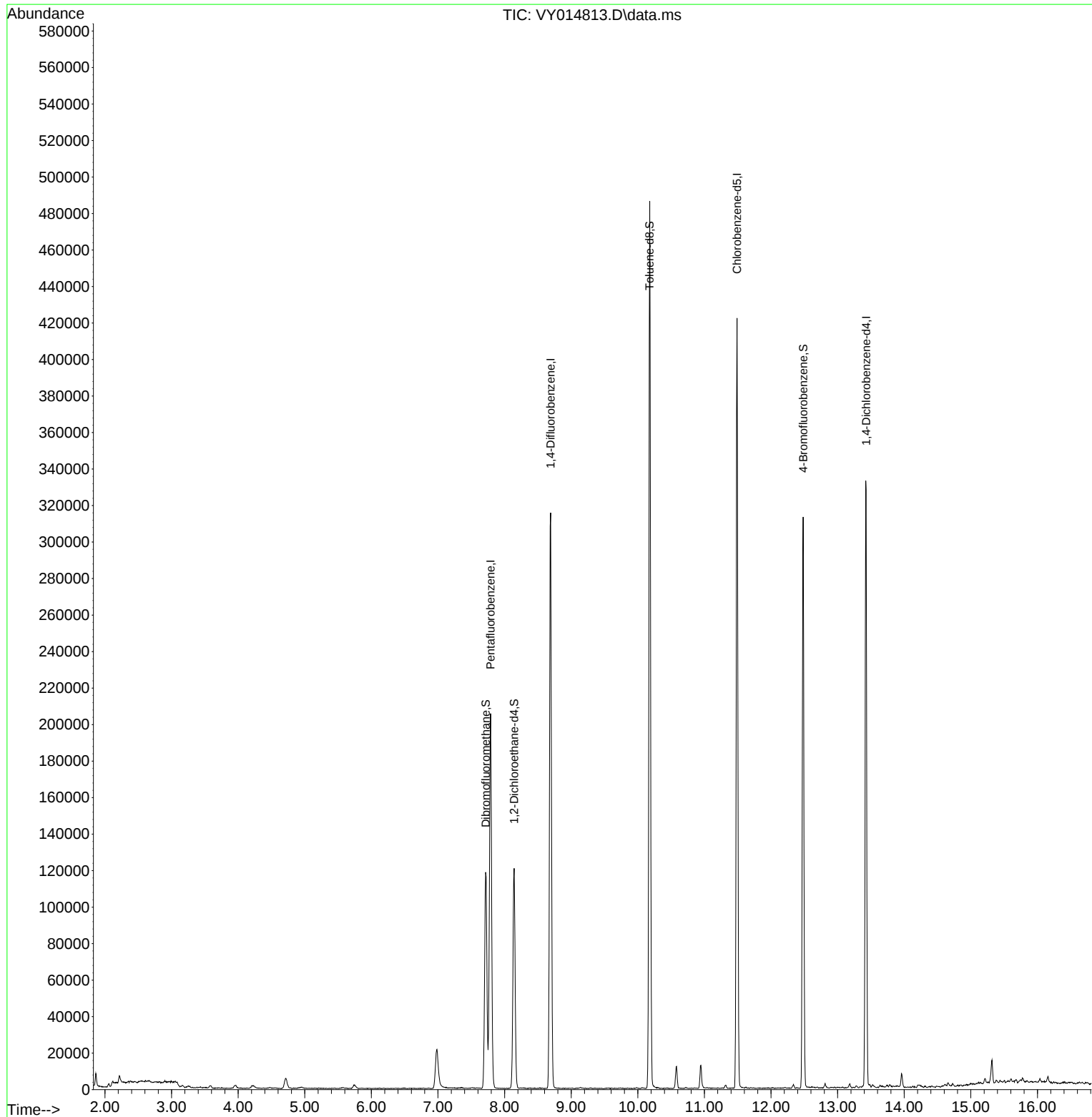
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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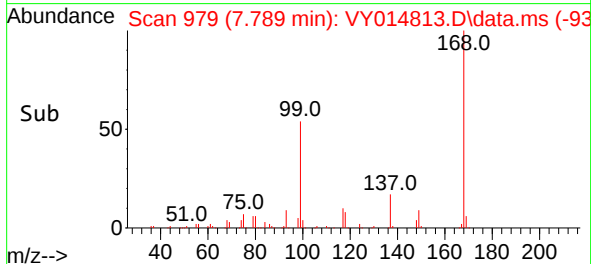
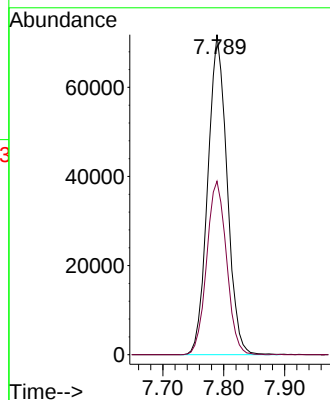
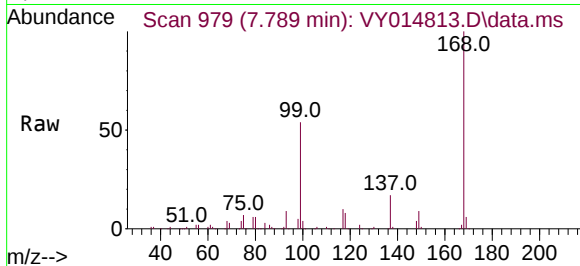




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014813.D  
Acq: 25 Jul 2023 19:42

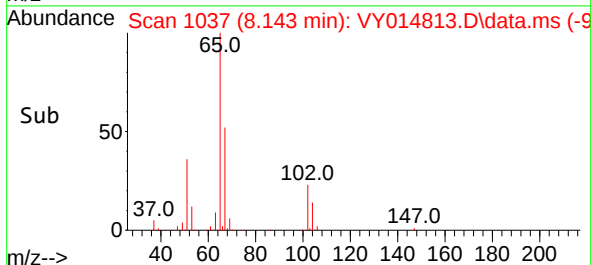
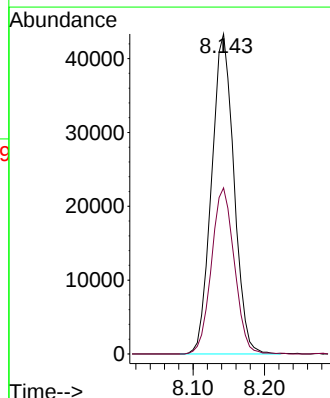
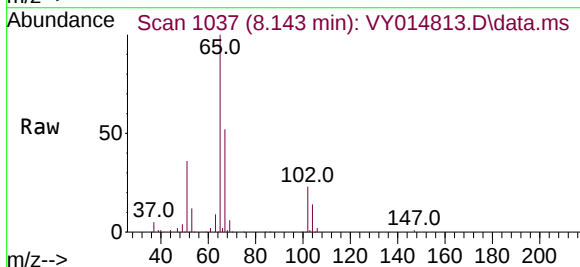
Instrument :  
MSVOA\_Y  
ClientSampleId :  
80002

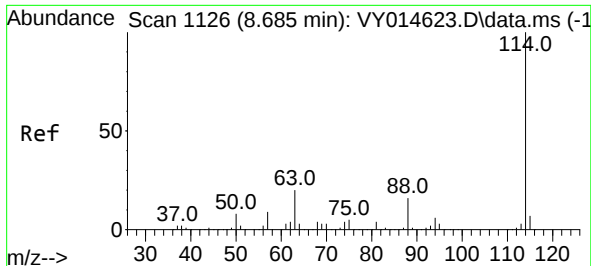
Tgt Ion:168 Resp: 157667  
Ion Ratio Lower Upper  
168 100  
99 54.2 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.332 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY014813.D  
Acq: 25 Jul 2023 19:42

Tgt Ion: 65 Resp: 94024  
Ion Ratio Lower Upper  
65 100  
67 53.2 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: VY014813.D

Acq: 25 Jul 2023 19:42

Instrument :

MSVOA\_Y

ClientSampleId :

80002

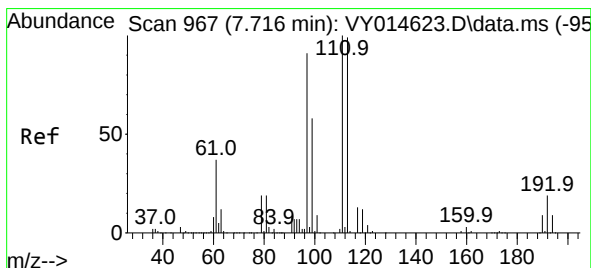
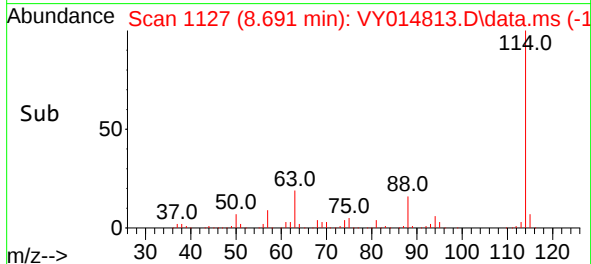
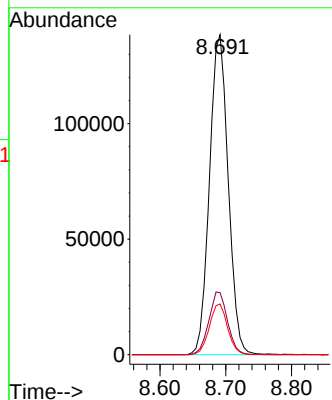
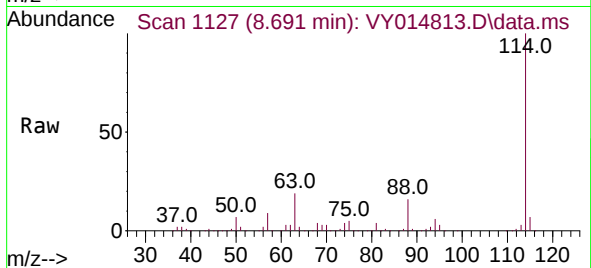
Tgt Ion:114 Resp: 274394

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.927 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014813.D

Acq: 25 Jul 2023 19:42

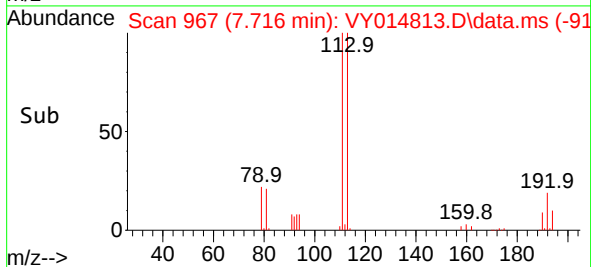
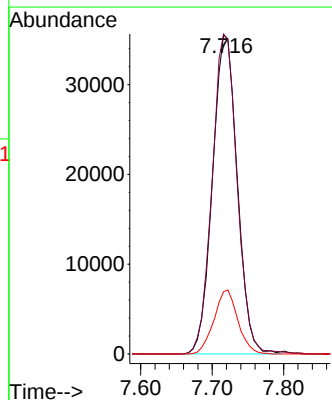
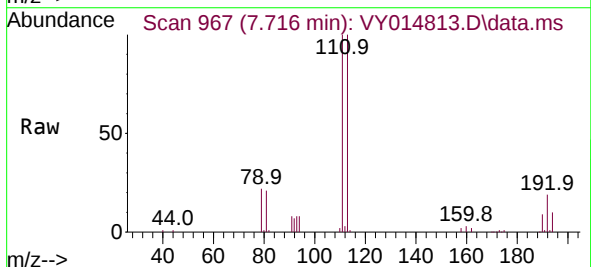
Tgt Ion:113 Resp: 85462

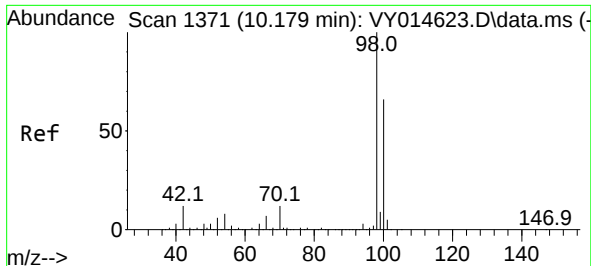
Ion Ratio Lower Upper

113 100

111 101.4 81.3 121.9

192 19.3 16.9 25.3

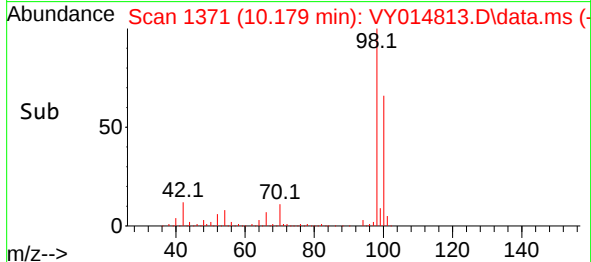
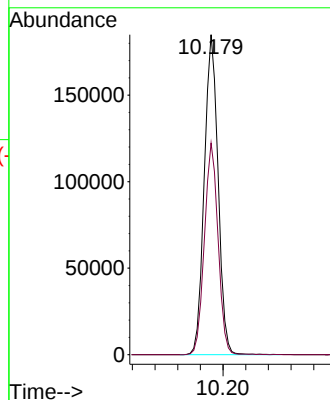
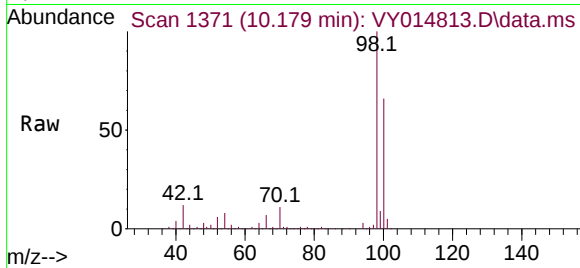




#50  
Toluene-d8  
Concen: 48.448 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY014813.D  
Acq: 25 Jul 2023 19:42

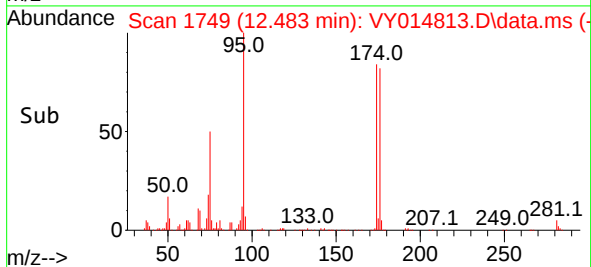
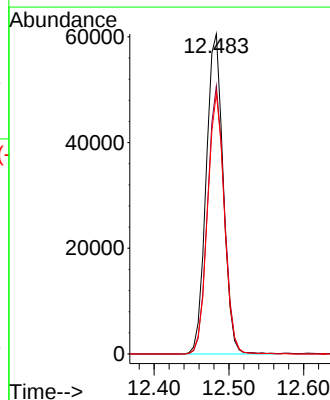
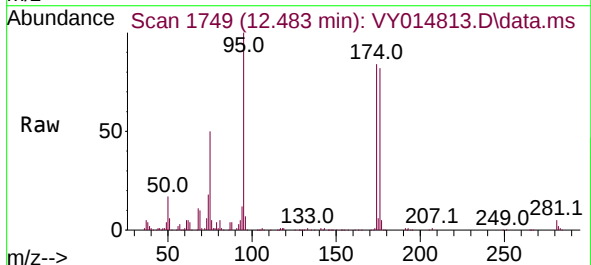
Instrument :  
MSVOA\_Y  
ClientSampleId :  
80002

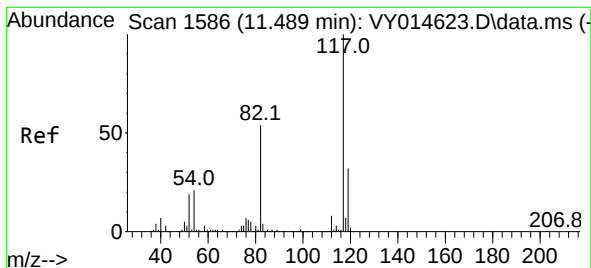
Tgt Ion: 98 Resp: 311998  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 38.805 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014813.D  
Acq: 25 Jul 2023 19:42

Tgt Ion: 95 Resp: 95819  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 178.2  
176 80.2 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: VY014813.D

Acq: 25 Jul 2023 19:42

Instrument :

MSVOA\_Y

ClientSampleId :

80002

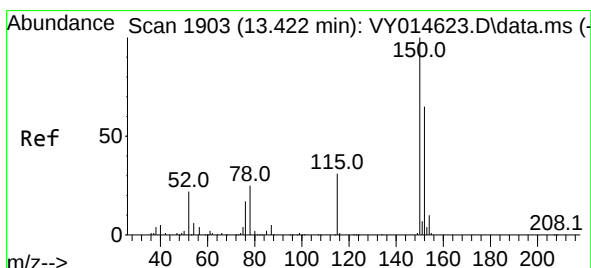
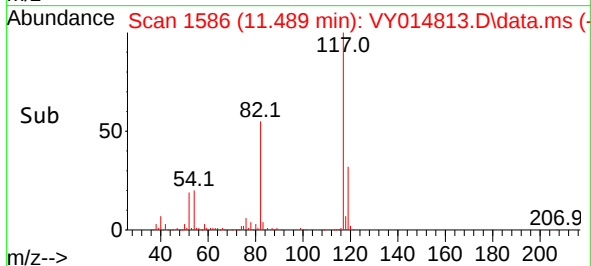
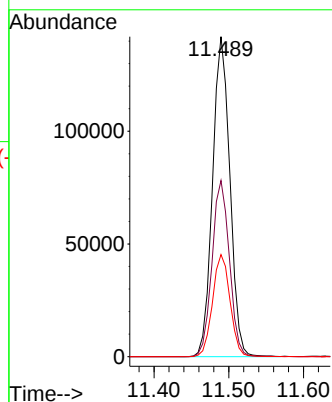
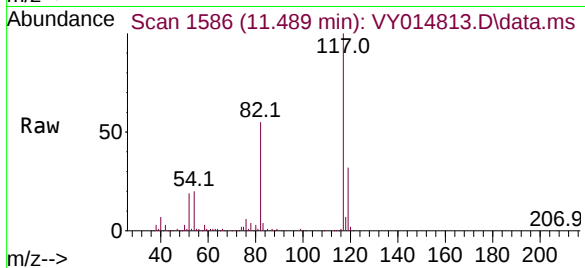
Tgt Ion:117 Resp: 228682

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 31.9 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: VY014813.D

Acq: 25 Jul 2023 19:42

Tgt Ion:152 Resp: 86730

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.5

150 156.5 0.0 348.8

