

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071823\  
 Data File : VY014689.D  
 Acq On : 18 Jul 2023 10:03  
 Operator : SY/MD  
 Sample : VY0718SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0718SBL01

Quant Time: Jul 19 03:59:37 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  | 209332   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 365250   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 341136   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 159423   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 130492   | 54.704   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.400% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 117320   | 50.458   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.920% |
| 50) Toluene-d8              | 10.179 | 98    | 429338   | 50.085   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.180% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 160711   | 48.895   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 97.780%  |

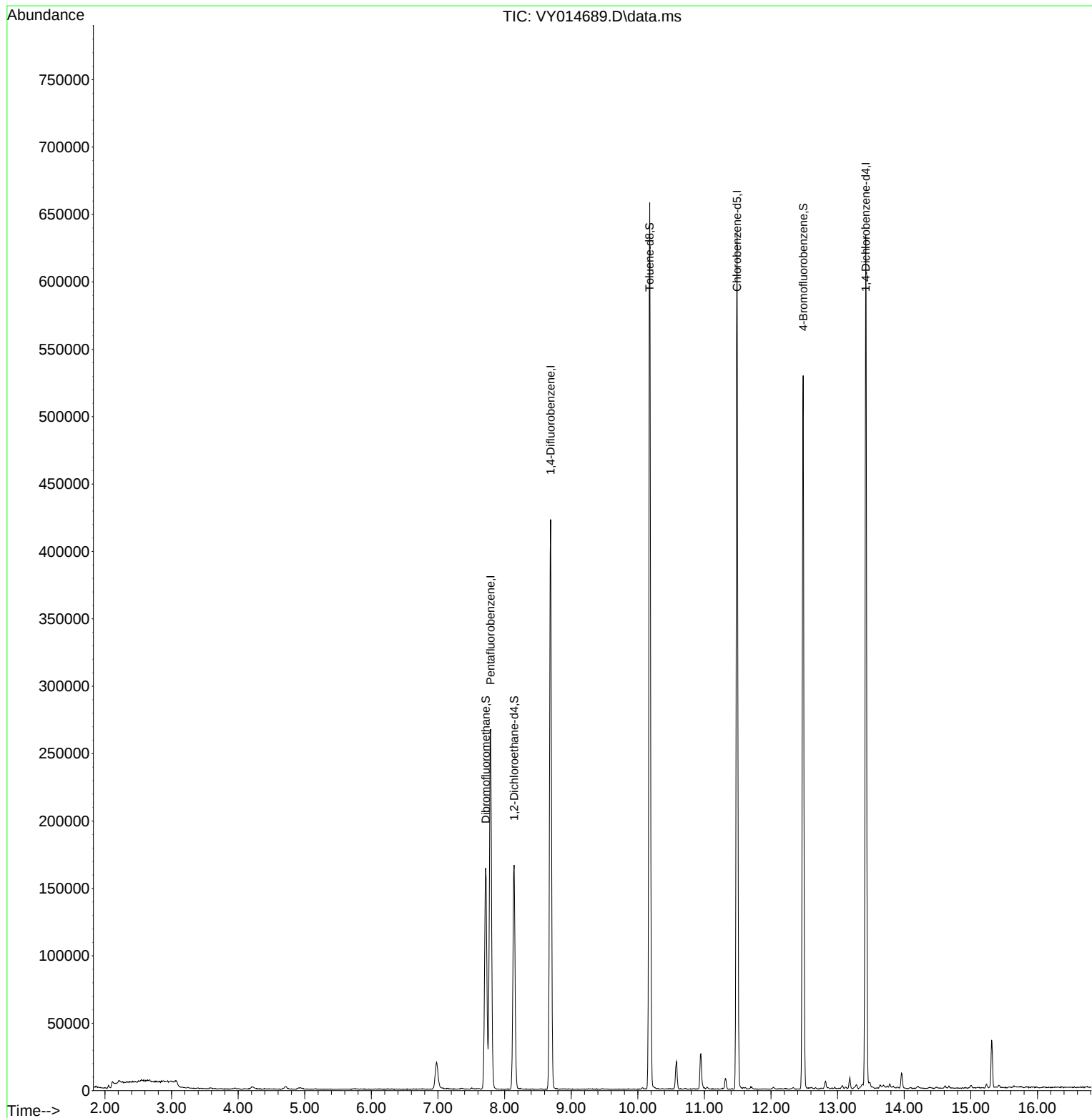
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Response via : Initial Calibration

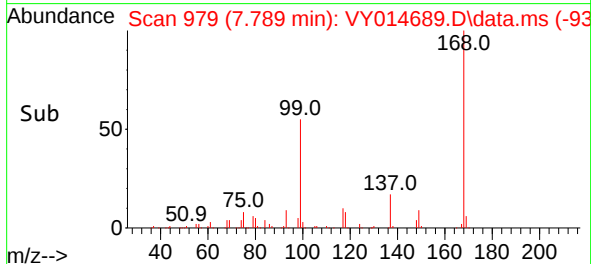
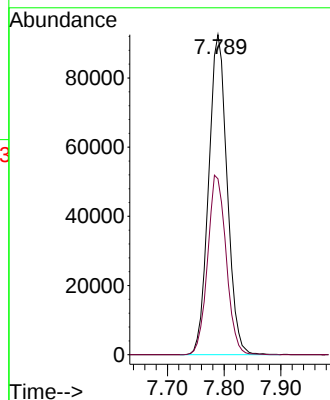
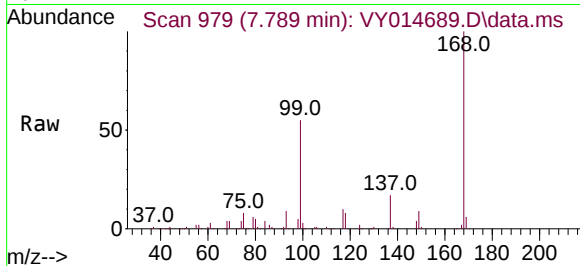




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014689.D  
Acq: 18 Jul 2023 10:03

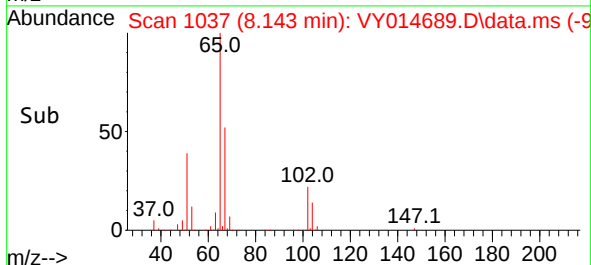
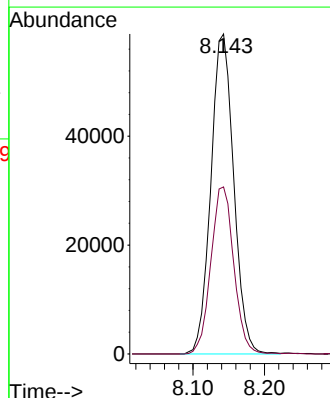
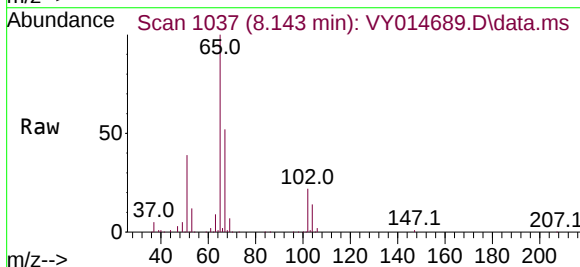
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0718SBL01

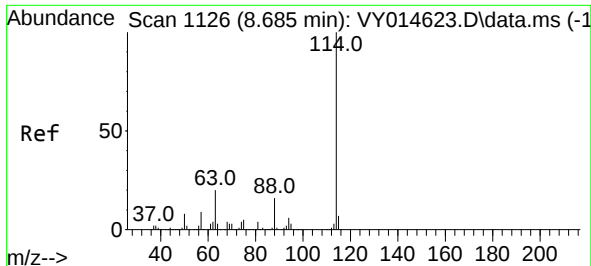
Tgt Ion:168 Resp: 209332  
Ion Ratio Lower Upper  
168 100  
99 55.0 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.704 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY014689.D  
Acq: 18 Jul 2023 10:03

Tgt Ion: 65 Resp: 130492  
Ion Ratio Lower Upper  
65 100  
67 52.3 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: VY014689.D

Acq: 18 Jul 2023 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VY0718SBL01

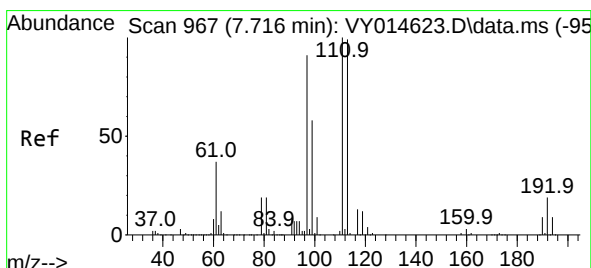
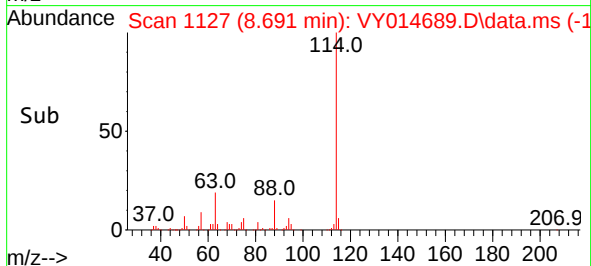
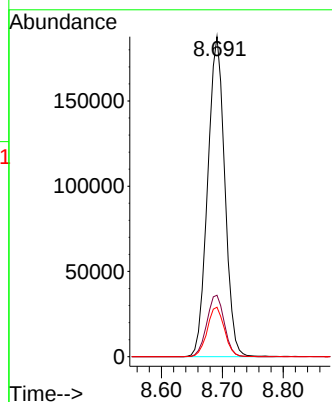
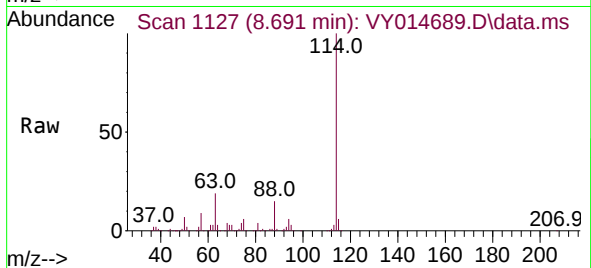
Tgt Ion:114 Resp: 365250

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.458 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014689.D

Acq: 18 Jul 2023 10:03

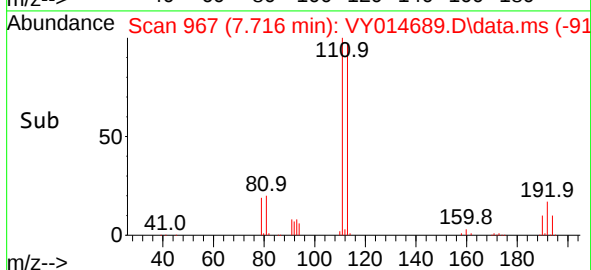
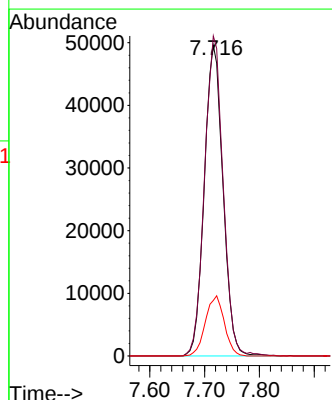
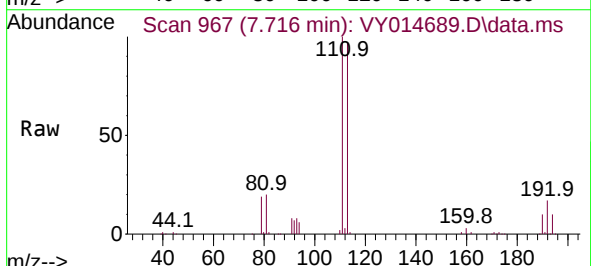
Tgt Ion:113 Resp: 117320

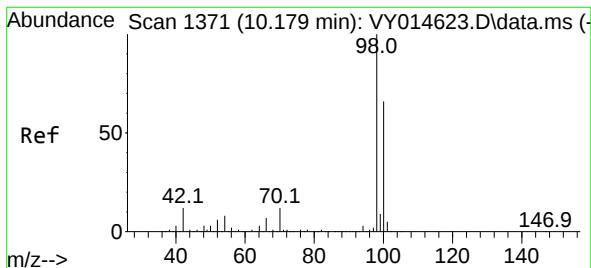
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 19.6 16.9 25.3





#50

Toluene-d8

Concen: 50.085 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014689.D

Acq: 18 Jul 2023 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

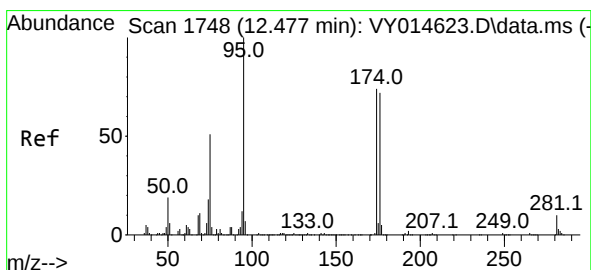
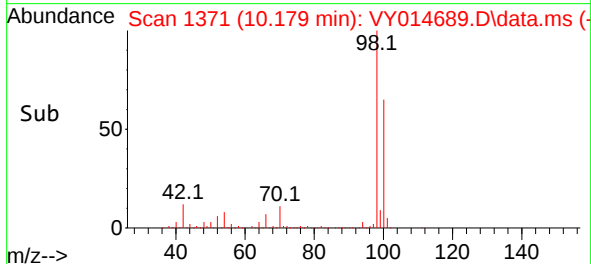
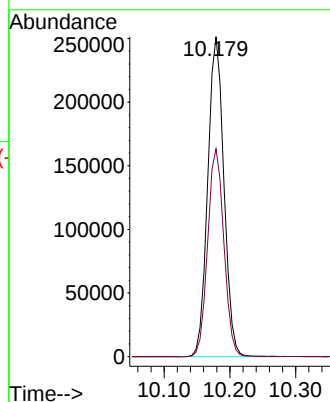
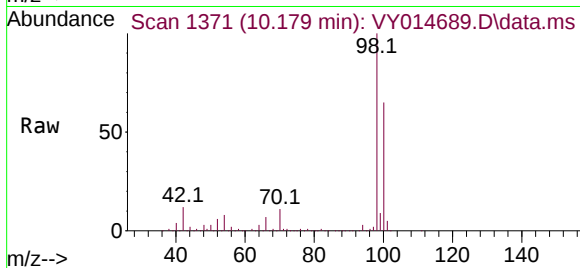
VY0718SBL01

Tgt Ion: 98 Resp: 429338

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.895 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014689.D

Acq: 18 Jul 2023 10:03

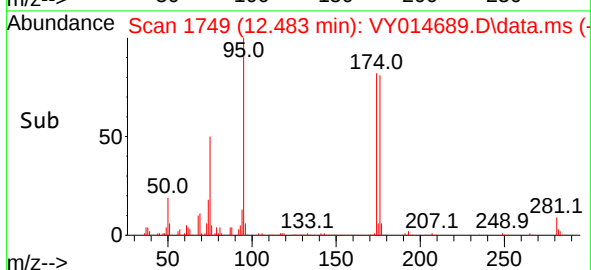
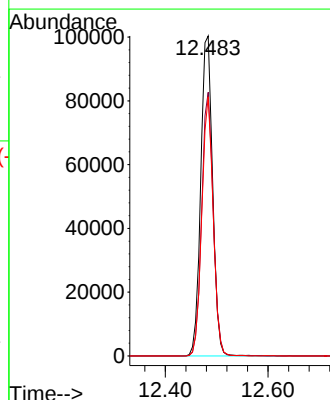
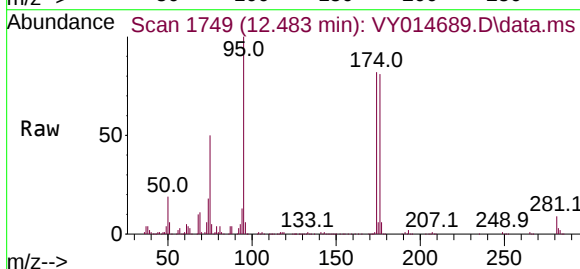
Tgt Ion: 95 Resp: 160711

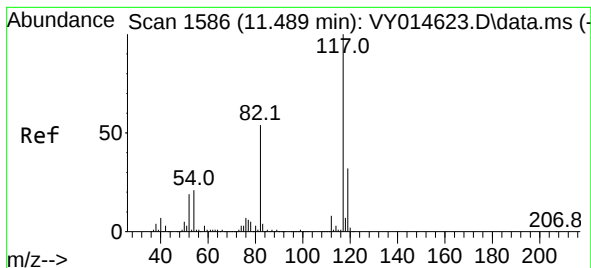
Ion Ratio Lower Upper

95 100

174 79.8 0.0 178.2

176 77.5 0.0 173.8

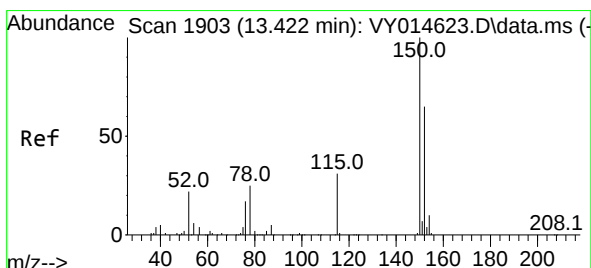
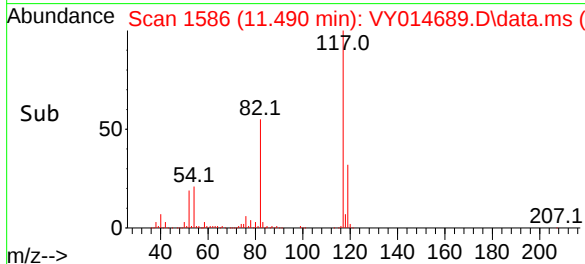
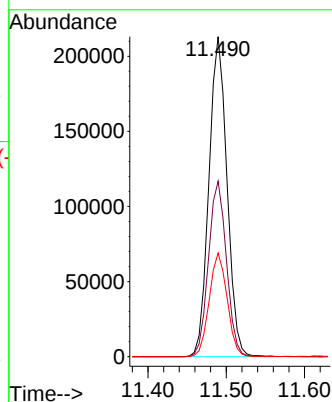
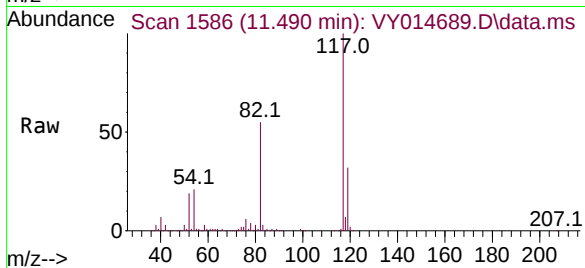




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014689.D  
Acq: 18 Jul 2023 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0718SBL01

Tgt Ion:117 Resp: 341136  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.4 65.0  
119 32.4 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: VY014689.D  
Acq: 18 Jul 2023 10:03

Tgt Ion:152 Resp: 159423  
Ion Ratio Lower Upper  
152 100  
115 60.0 28.8 86.5  
150 157.6 0.0 348.8

