

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032024\  
 Data File : VY017723.D  
 Acq On : 20 Mar 2024 11:39  
 Operator : SY/MD  
 Sample : P1801-01  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-03-031924

Quant Time: Mar 21 03:13:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 109226   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 205314   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 174687   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 58351    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 53009    | 51.208   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.420% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 65301    | 45.643   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.280%  |
| 50) Toluene-d8              | 10.185 | 98    | 233976   | 46.774   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.540%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 56990    | 36.252   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 72.500%  |

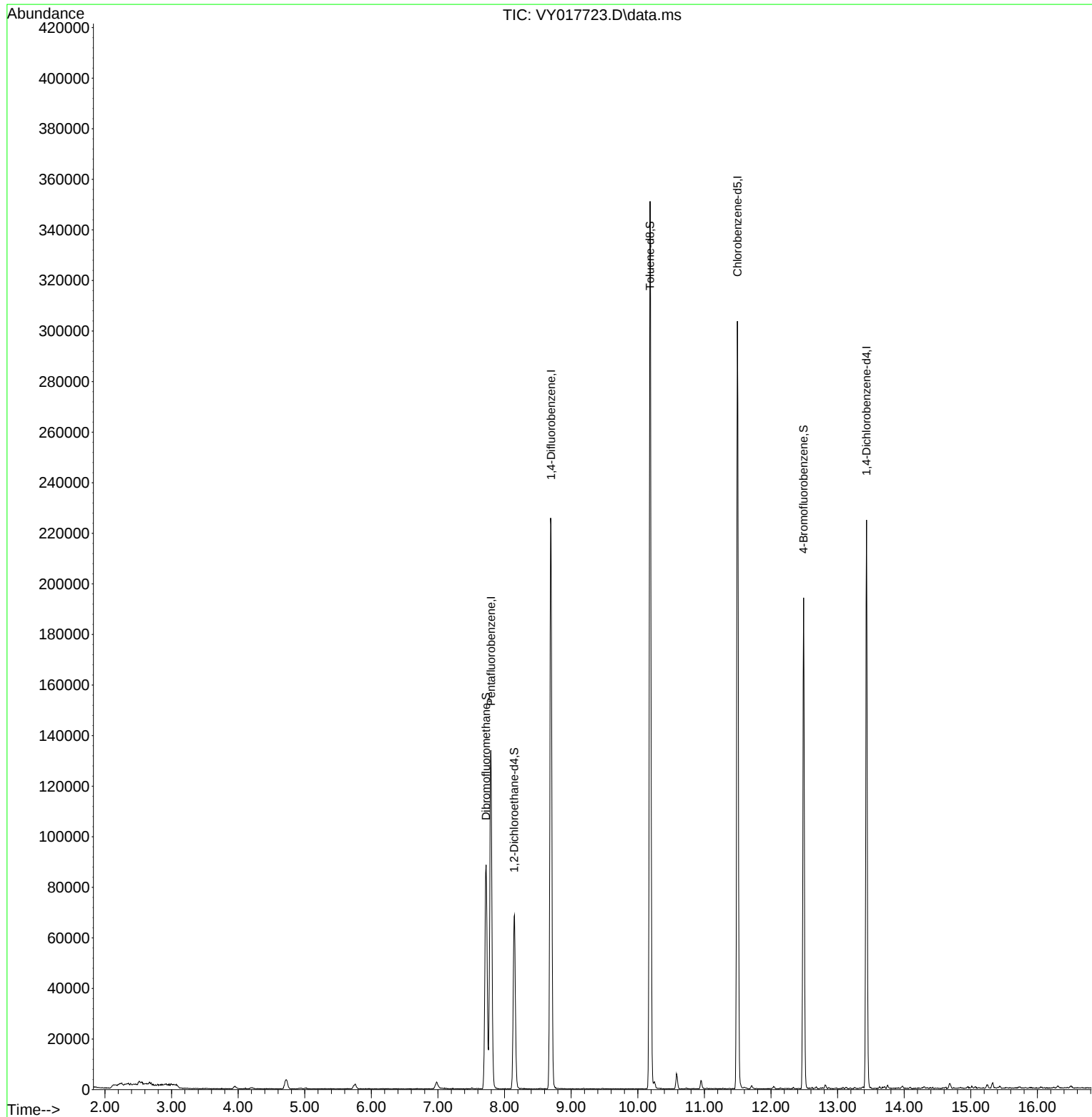
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

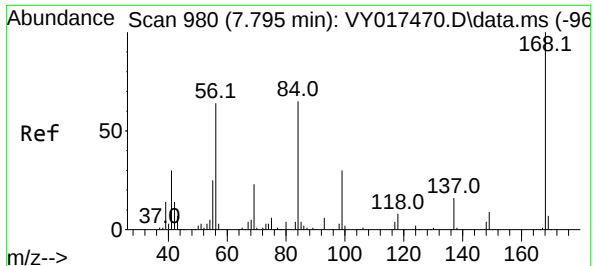
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032024\  
Data File : VY017723.D  
Acq On : 20 Mar 2024 11:39  
Operator : SY/MD  
Sample : P1801-01  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-031924

Quant Time: Mar 21 03:13:37 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

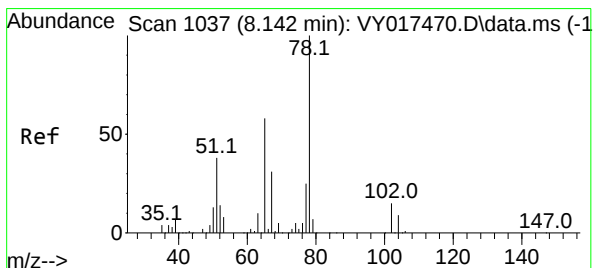
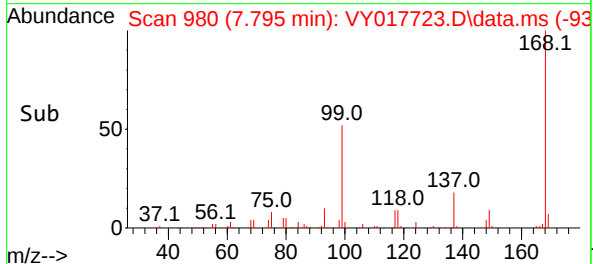
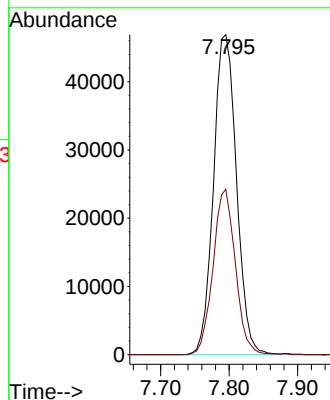
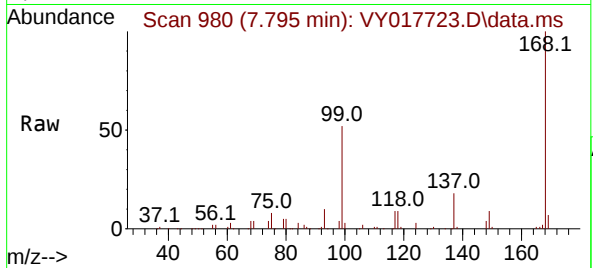




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY017723.D  
Acq: 20 Mar 2024 11:39

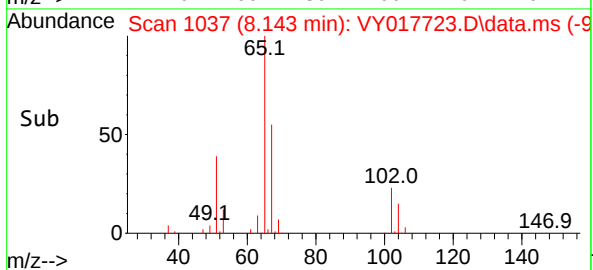
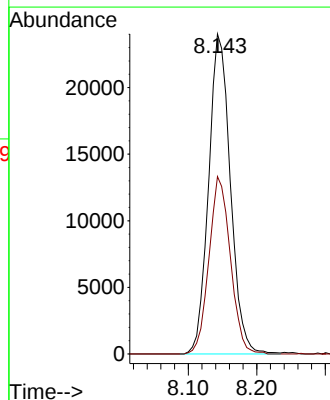
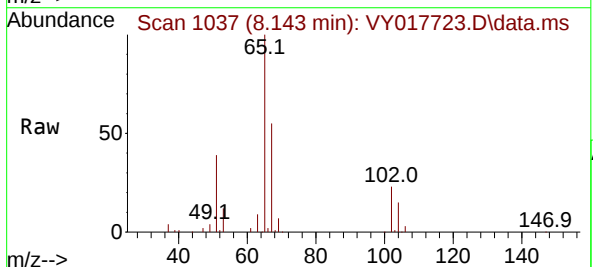
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-031924

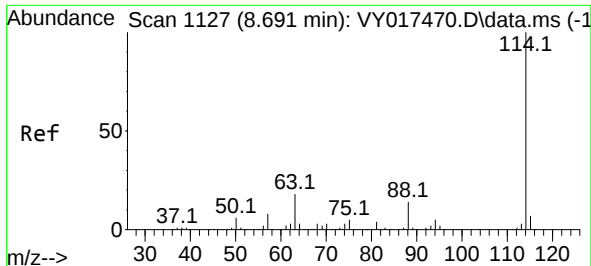
Tgt Ion:168 Resp: 109226  
Ion Ratio Lower Upper  
168 100  
99 51.7 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.208 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY017723.D  
Acq: 20 Mar 2024 11:39

Tgt Ion: 65 Resp: 53009  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017723.D

Acq: 20 Mar 2024 11:39

Instrument :

MSVOA\_Y

ClientSampleId :

OR-03-031924

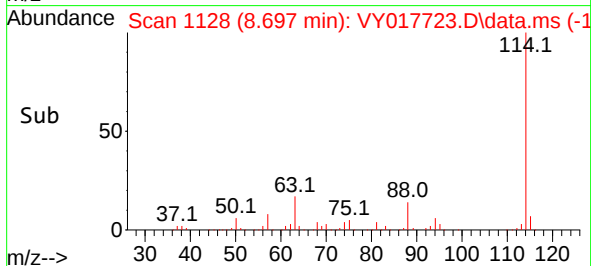
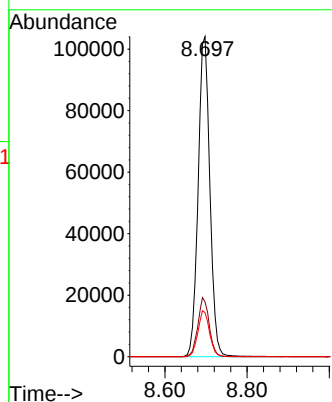
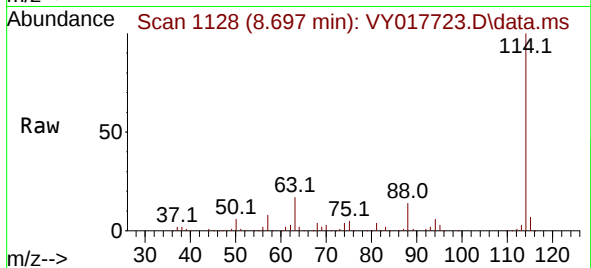
Tgt Ion:114 Resp: 205314

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 13.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 45.643 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017723.D

Acq: 20 Mar 2024 11:39

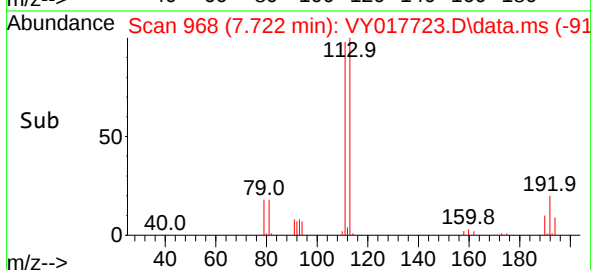
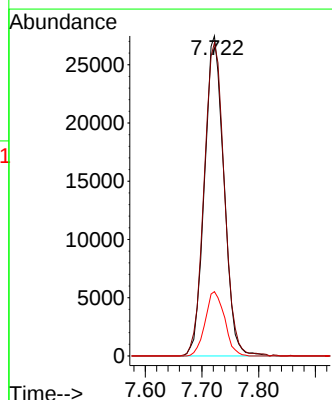
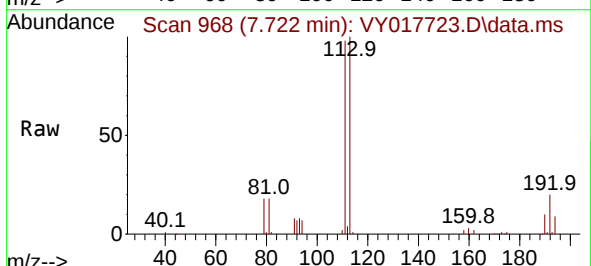
Tgt Ion:113 Resp: 65301

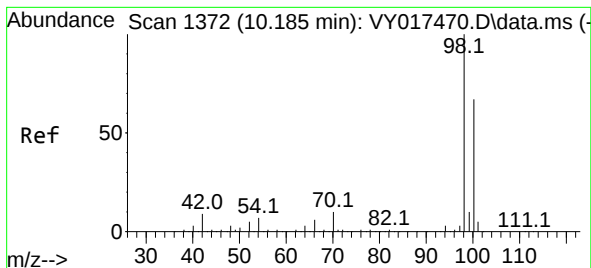
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 20.1 15.9 23.9





#50

Toluene-d8

Concen: 46.774 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017723.D

Acq: 20 Mar 2024 11:39

Instrument :

MSVOA\_Y

ClientSampleId :

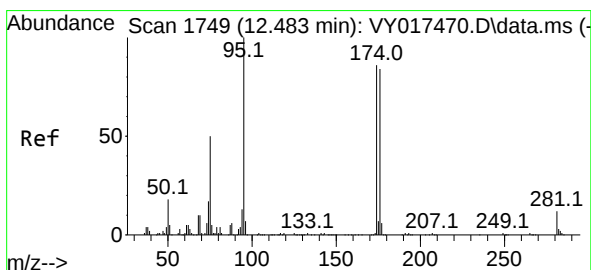
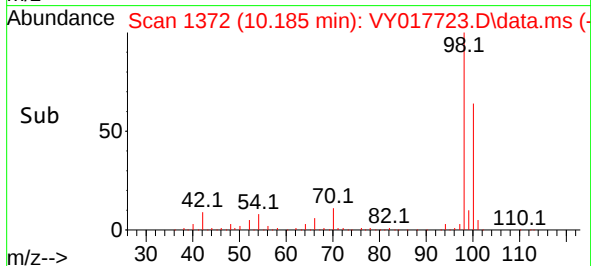
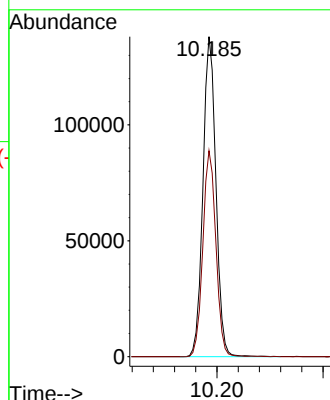
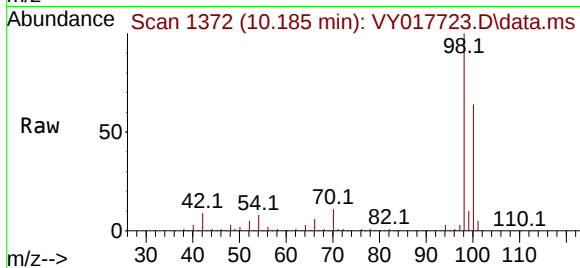
OR-03-031924

Tgt Ion: 98 Resp: 233976

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 36.252 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017723.D

Acq: 20 Mar 2024 11:39

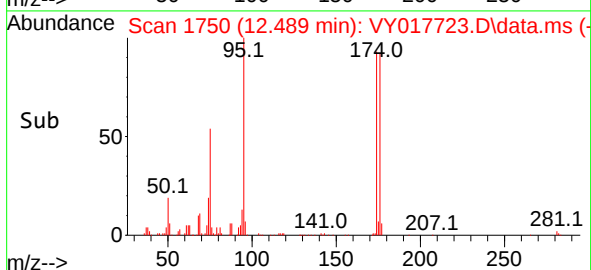
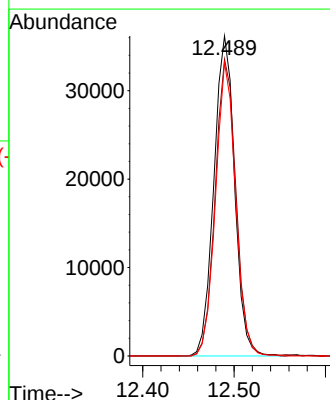
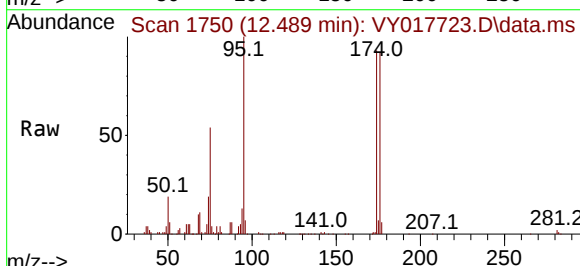
Tgt Ion: 95 Resp: 56990

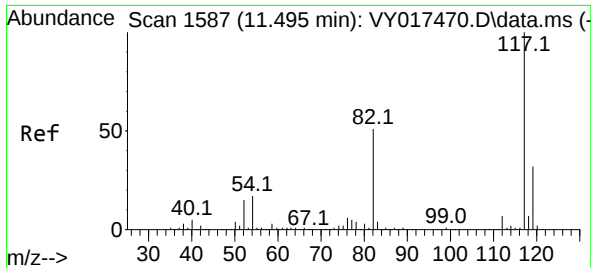
Ion Ratio Lower Upper

95 100

174 93.0 0.0 175.6

176 88.5 0.0 171.4

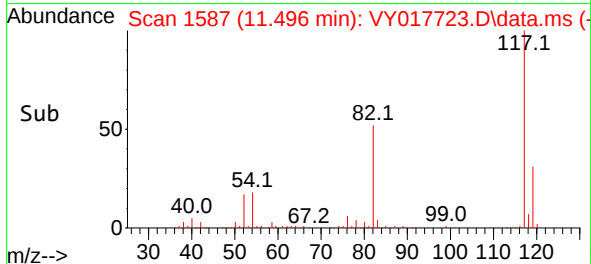
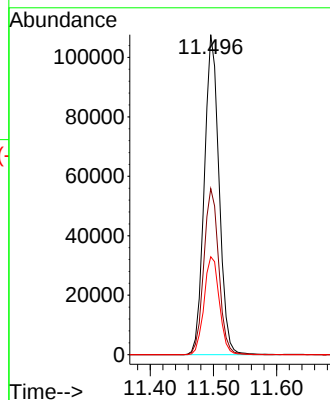
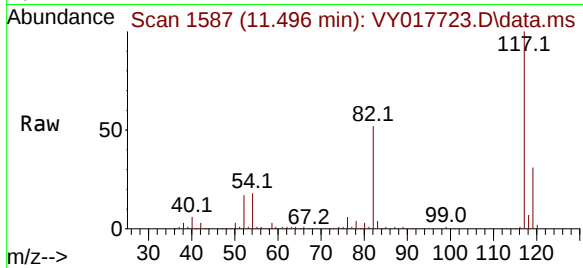




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017723.D  
Acq: 20 Mar 2024 11:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-031924

Tgt Ion:117 Resp: 174687  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.4 63.6  
119 30.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VY017723.D  
Acq: 20 Mar 2024 11:39

Tgt Ion:152 Resp: 58351  
Ion Ratio Lower Upper  
152 100  
115 54.5 28.2 84.7  
150 156.1 0.0 345.6

