

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072123\  
 Data File : VY014750.D  
 Acq On : 21 Jul 2023 16:31  
 Operator : SY/MD  
 Sample : 03680-01  
 Misc : 5.13g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3

Quant Time: Jul 22 05:38:52 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      | 7.783  | 168  | 197521   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 345018   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 328761   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 158098   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 123839   | 55.019   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 110.040% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 109648   | 49.924   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.840%  |
| 50) Toluene-d8              | 10.173 | 98    | 405747   | 50.109   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.220% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 155947   | 50.228   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 100.460% |

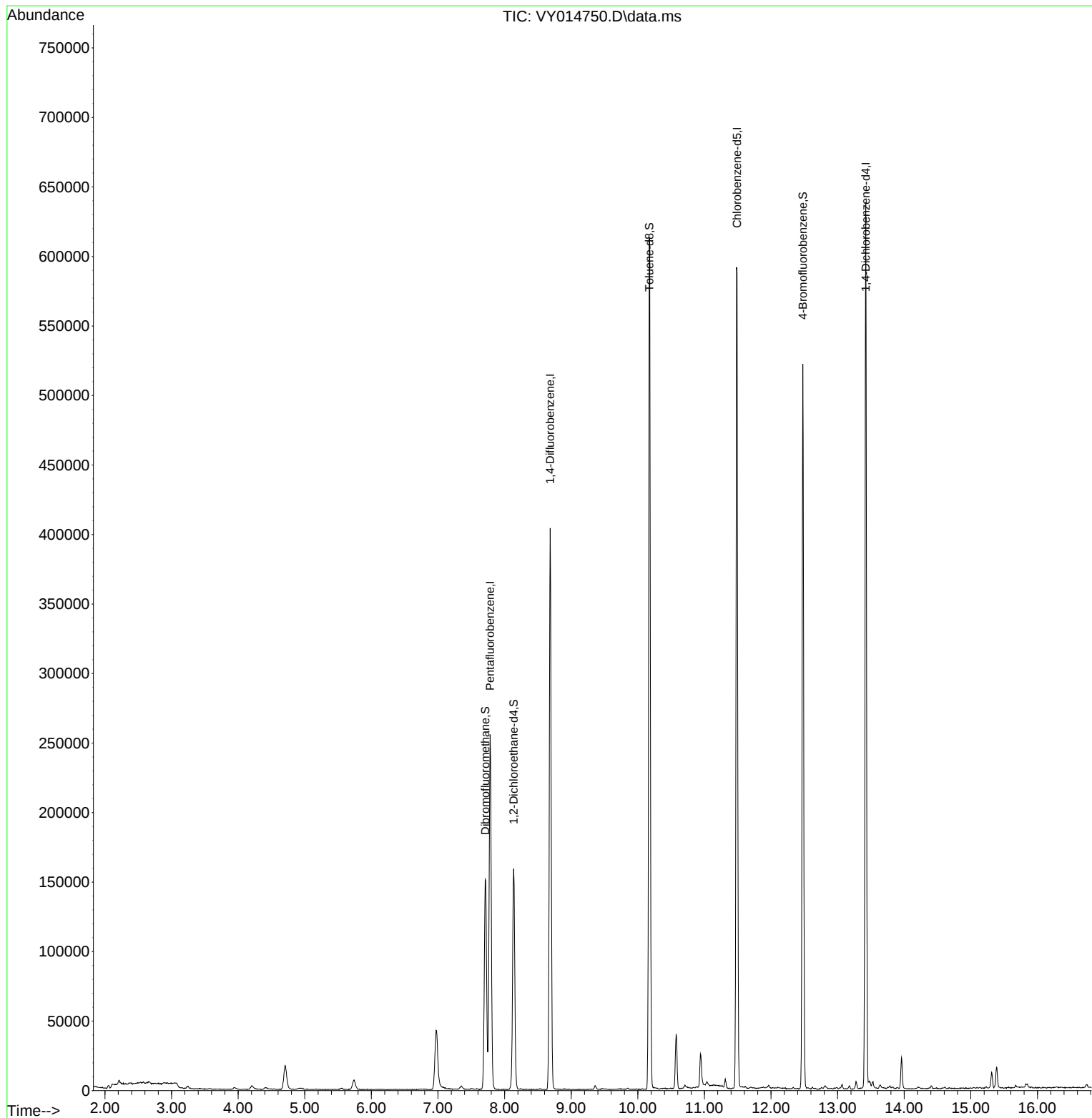
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

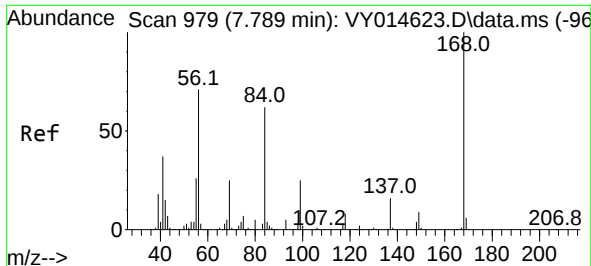
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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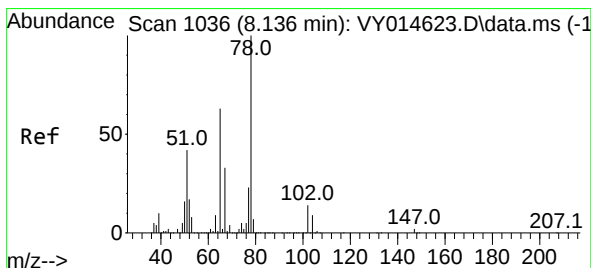
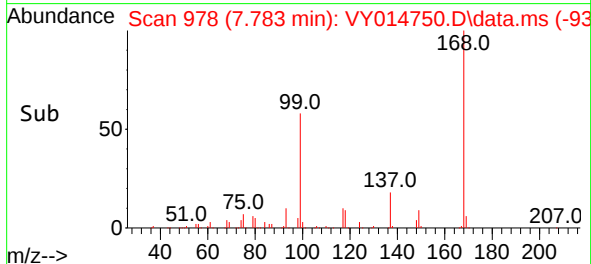
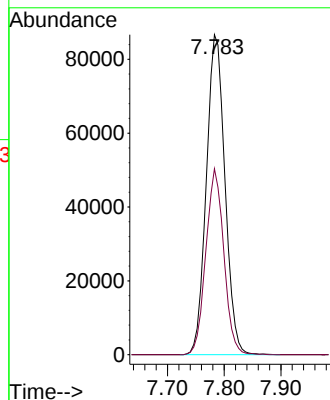
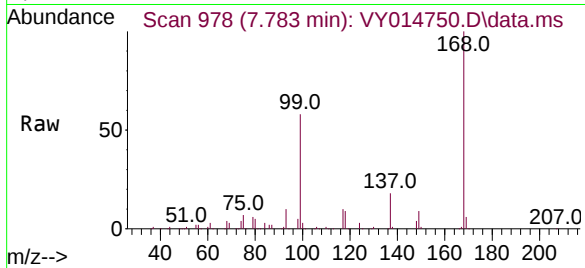




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014750.D  
Acq: 21 Jul 2023 16:31

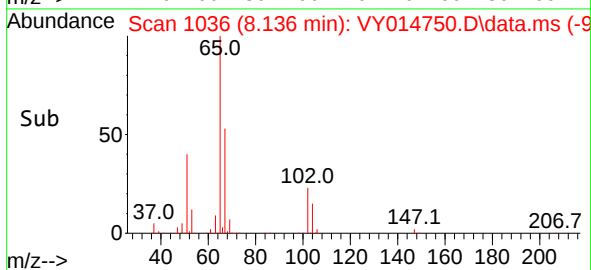
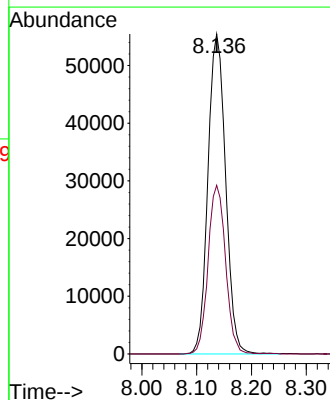
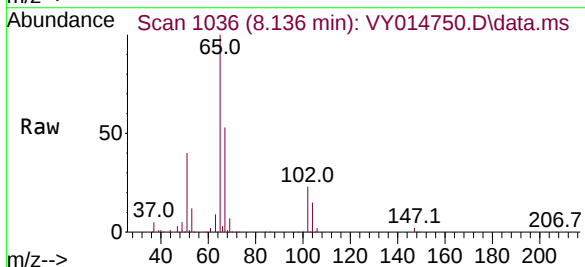
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

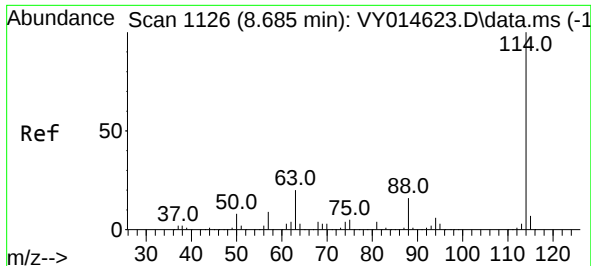
Tgt Ion:168 Resp: 197521  
Ion Ratio Lower Upper  
168 100  
99 58.1 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 55.019 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014750.D  
Acq: 21 Jul 2023 16:31

Tgt Ion: 65 Resp: 123839  
Ion Ratio Lower Upper  
65 100  
67 52.1 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: VY014750.D

Acq: 21 Jul 2023 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

TP-3

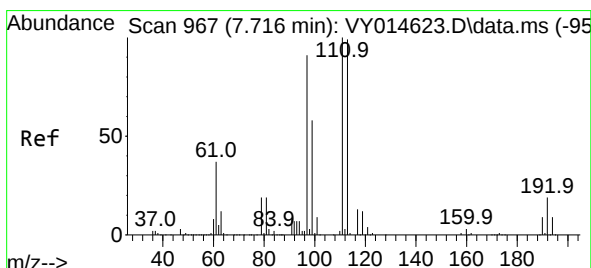
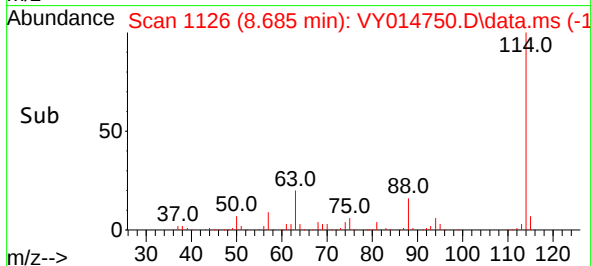
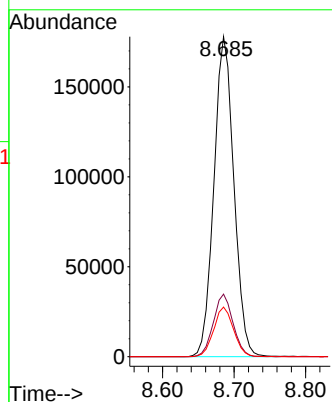
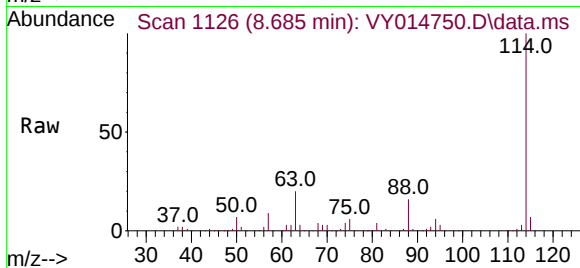
Tgt Ion:114 Resp: 345018

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.924 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

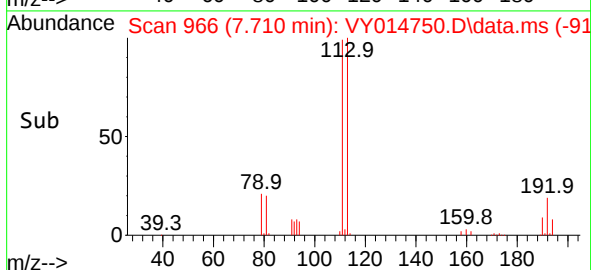
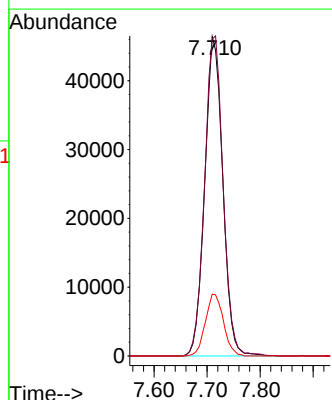
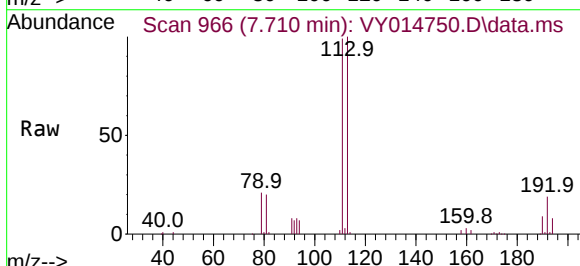
Tgt Ion:113 Resp: 109648

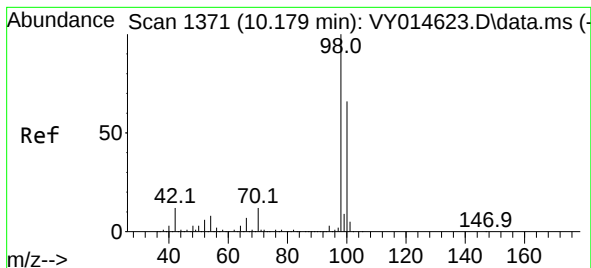
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.4 16.9 25.3





#50

Toluene-d8

Concen: 50.109 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

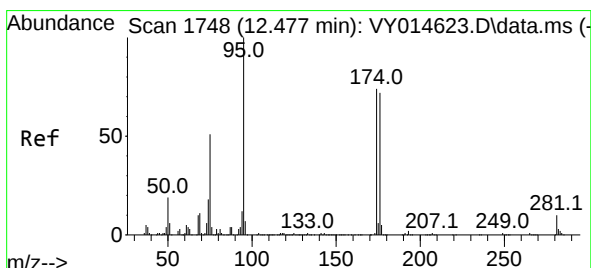
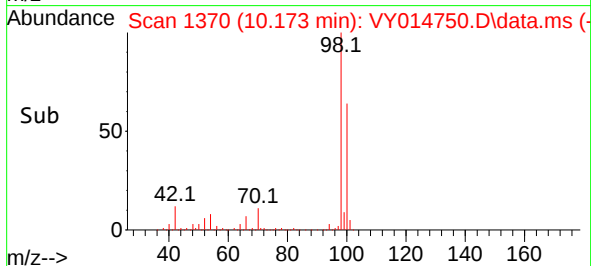
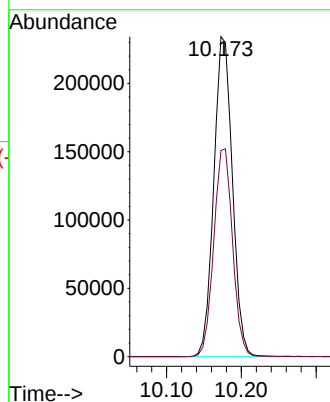
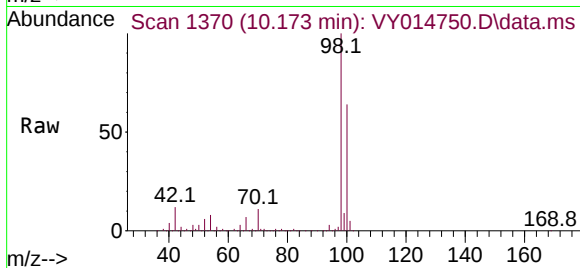
TP-3

Tgt Ion: 98 Resp: 405747

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.228 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

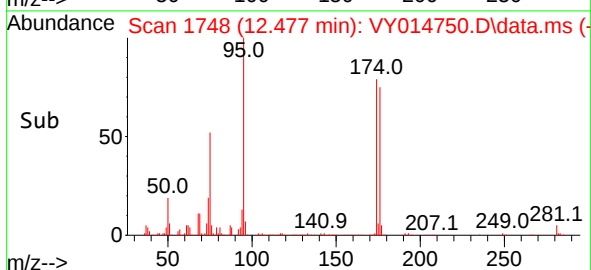
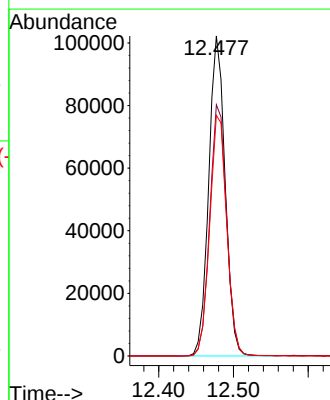
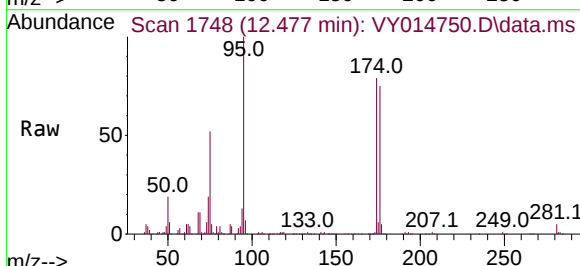
Tgt Ion: 95 Resp: 155947

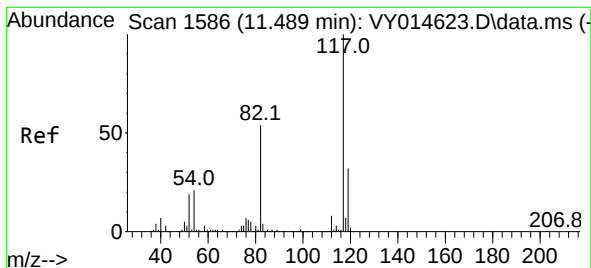
Ion Ratio Lower Upper

95 100

174 80.7 0.0 178.2

176 77.8 0.0 173.8

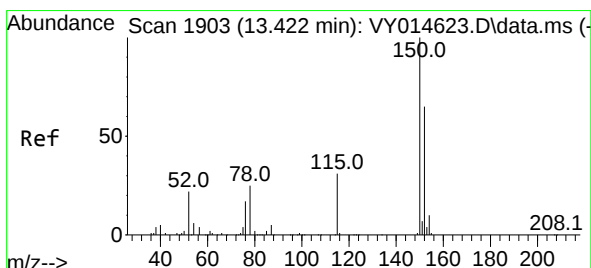
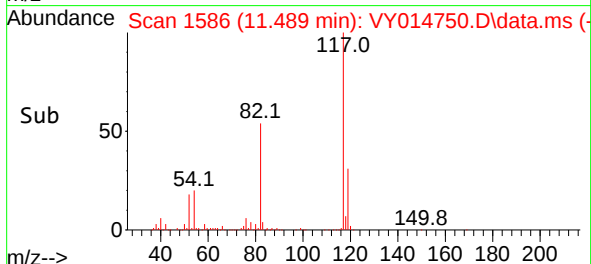
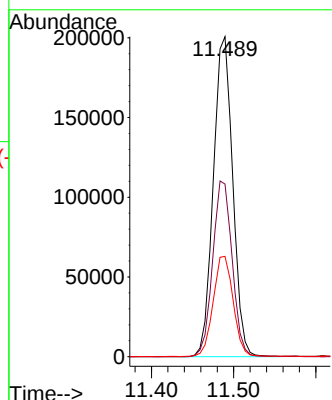
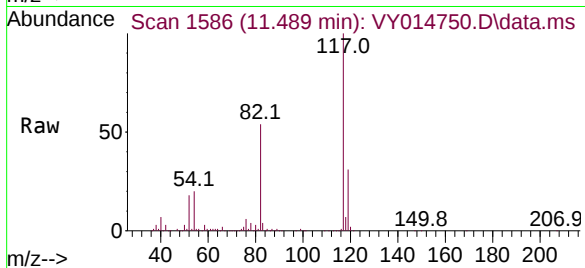




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY014750.D  
Acq: 21 Jul 2023 16:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

Tgt Ion:117 Resp: 328761  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.4 65.0  
119 31.3 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: VY014750.D  
Acq: 21 Jul 2023 16:31

Tgt Ion:152 Resp: 158098  
Ion Ratio Lower Upper  
152 100  
115 59.9 28.8 86.5  
150 157.4 0.0 348.8

