

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071924\  
 Data File : VY018880.D  
 Acq On : 19 Jul 2024 14:28  
 Operator : SY/MD  
 Sample : P3294-05  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-4-071724

Quant Time: Jul 19 23:04:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 69352    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 118469   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.484 | 117  | 108458   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 48272    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 34241    | 50.175   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.340% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 36819    | 49.622   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.240%  |
| 50) Toluene-d8              | 10.173 | 98    | 130197   | 46.315   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 92.620%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 45006    | 46.881   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.760%  |

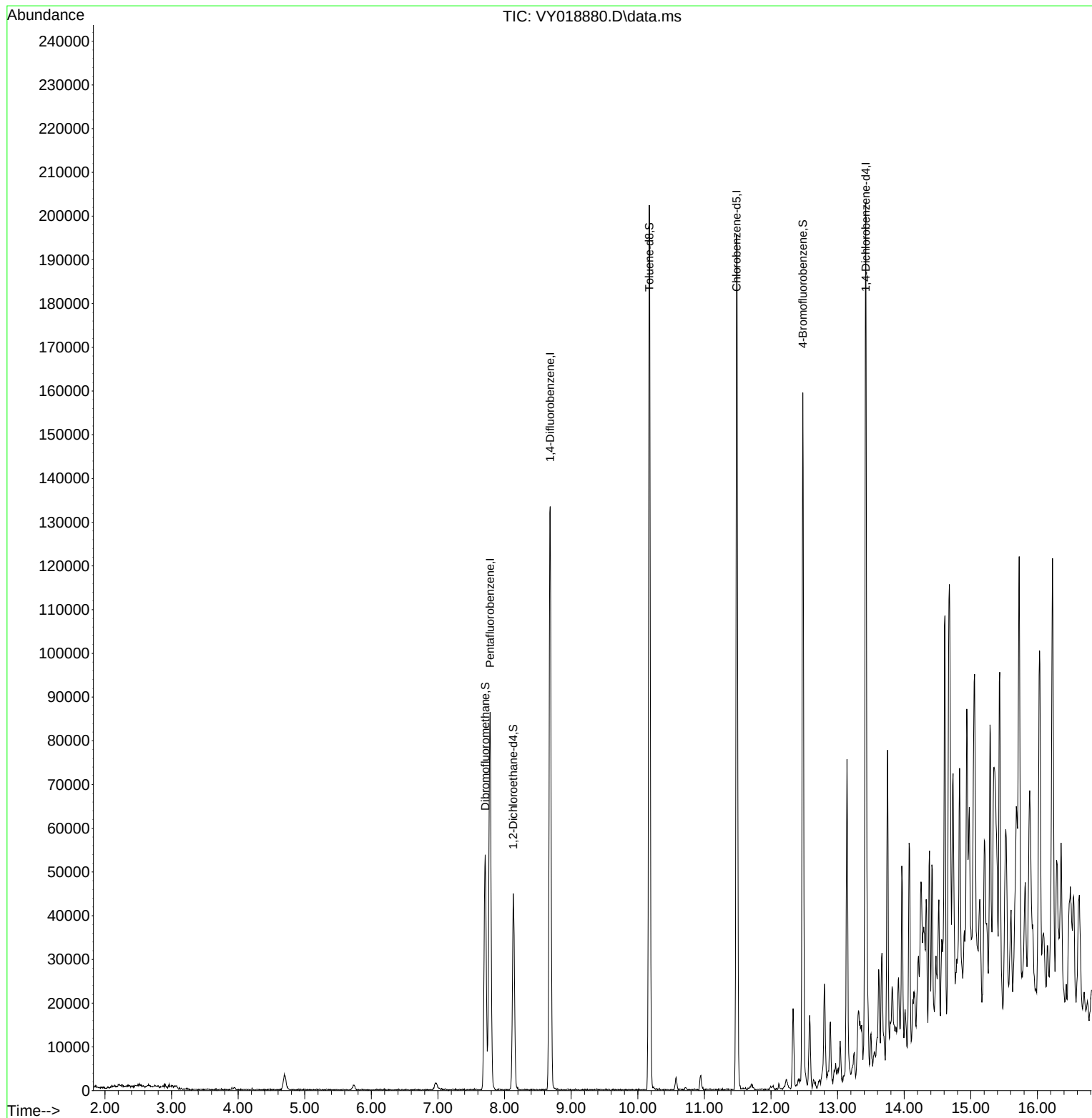
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

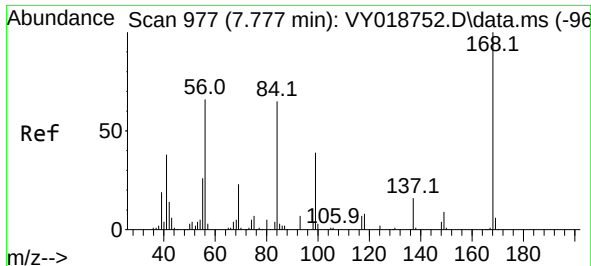
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 09 14:28:51 2024  
Response via : Initial Calibration

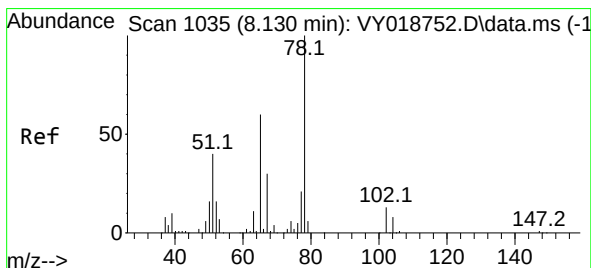
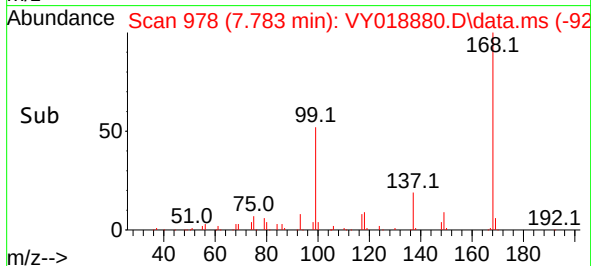
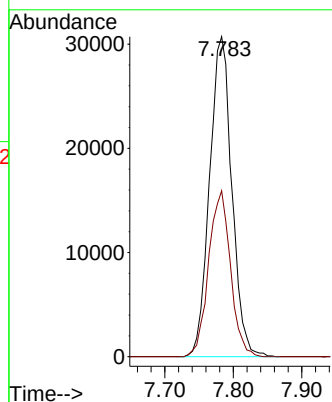
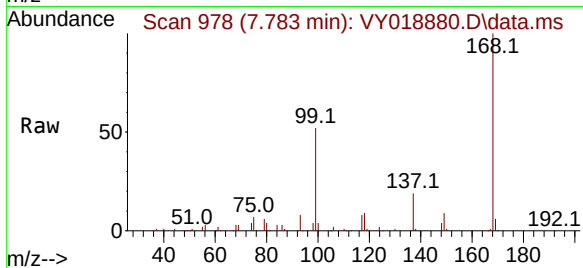




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018880.D  
Acq: 19 Jul 2024 14:28

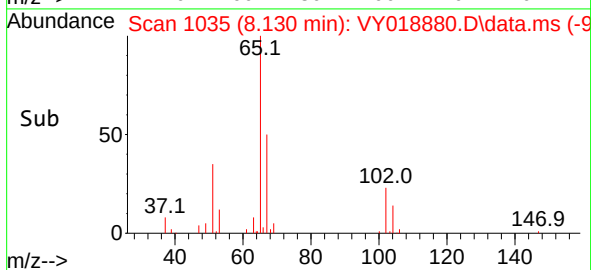
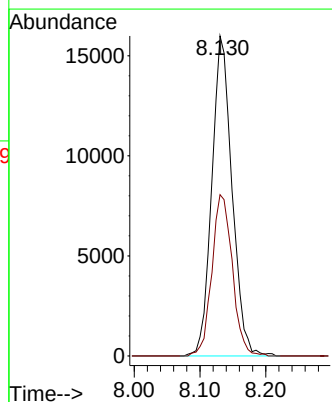
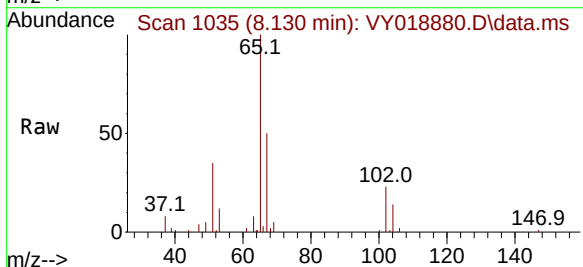
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-4-071724

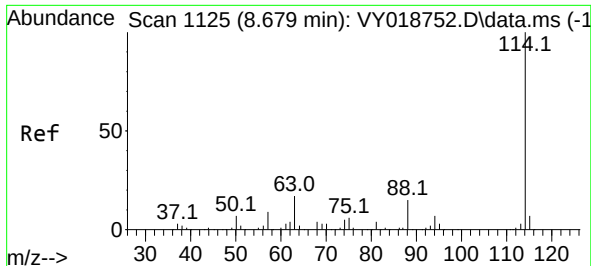
Tgt Ion:168 Resp: 69352  
Ion Ratio Lower Upper  
168 100  
99 51.8 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 50.175 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY018880.D  
Acq: 19 Jul 2024 14:28

Tgt Ion: 65 Resp: 34241  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 109.6

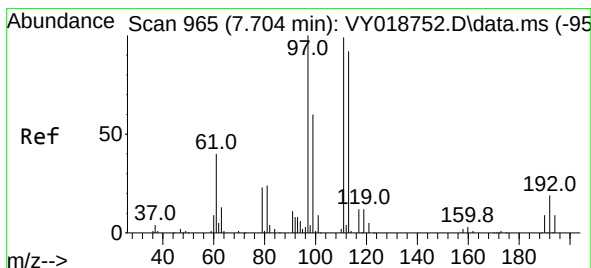
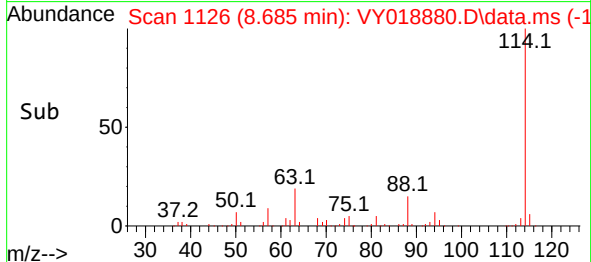
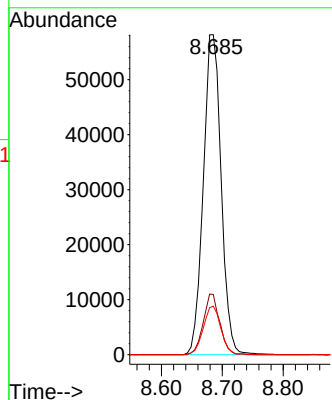
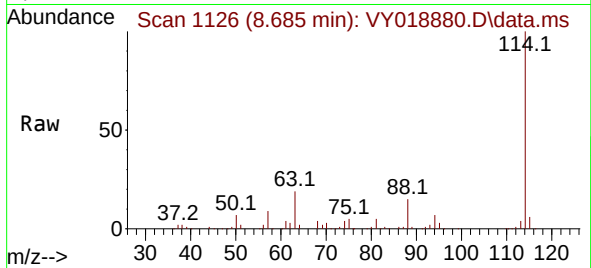




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY018880.D  
Acq: 19 Jul 2024 14:28

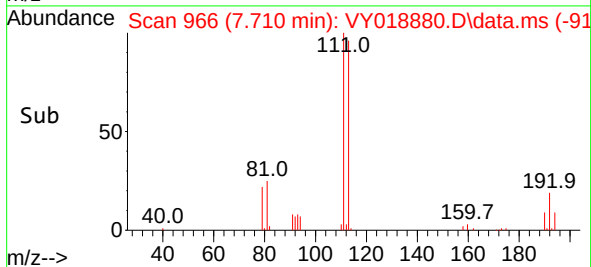
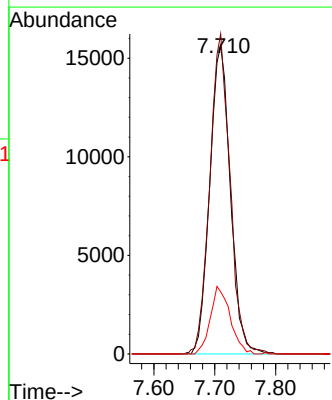
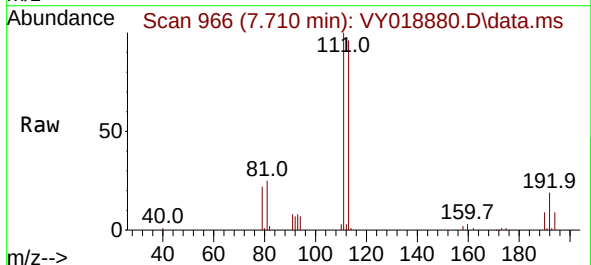
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-4-071724

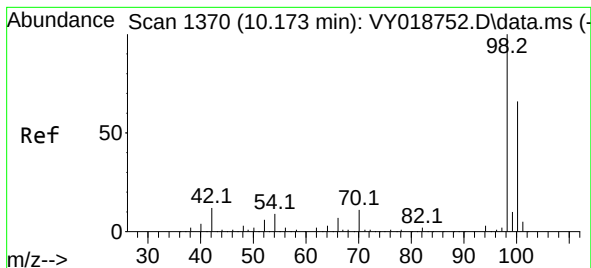
Tgt Ion:114 Resp: 118469  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 35.0  
88 15.1 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 49.622 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: VY018880.D  
Acq: 19 Jul 2024 14:28

Tgt Ion:113 Resp: 36819  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.2 123.4  
192 21.0 15.9 23.9





#50

Toluene-d8

Concen: 46.315 ug/l

RT: 10.173 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

Instrument :

MSVOA\_Y

ClientSampleId :

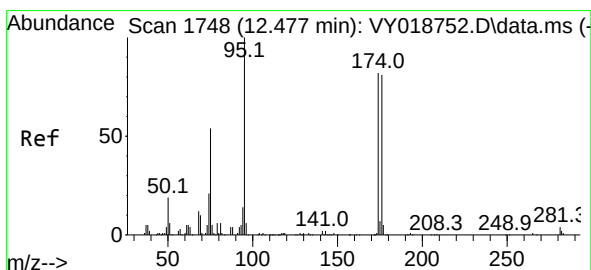
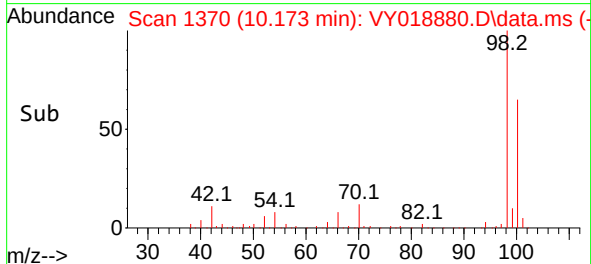
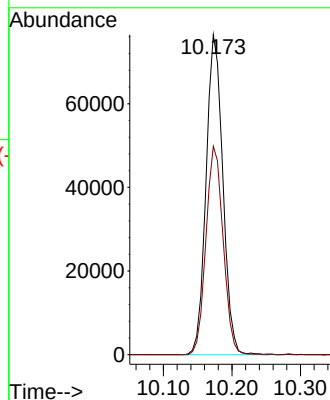
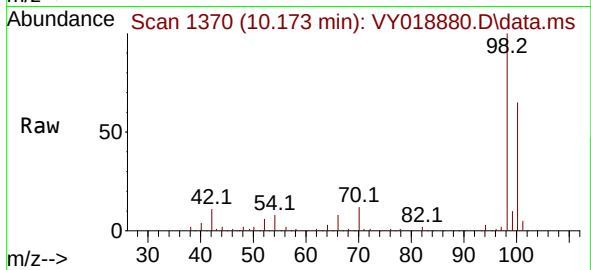
HR-4-071724

Tgt Ion: 98 Resp: 130197

Ion Ratio Lower Upper

98 100

100 66.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.881 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

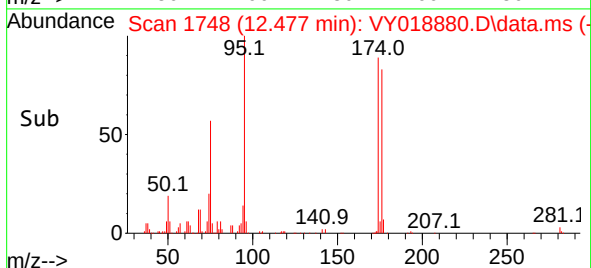
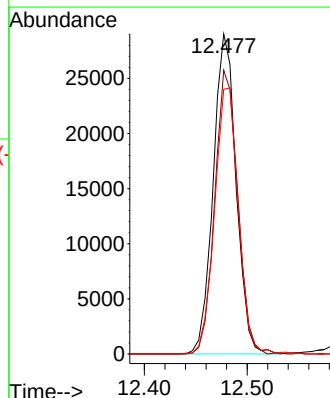
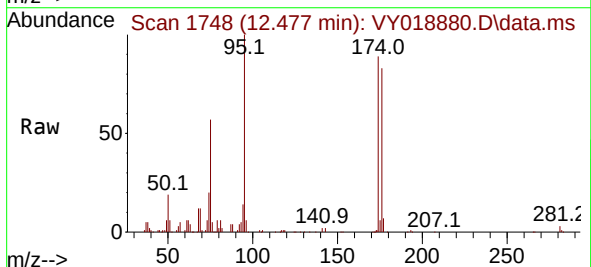
Tgt Ion: 95 Resp: 45006

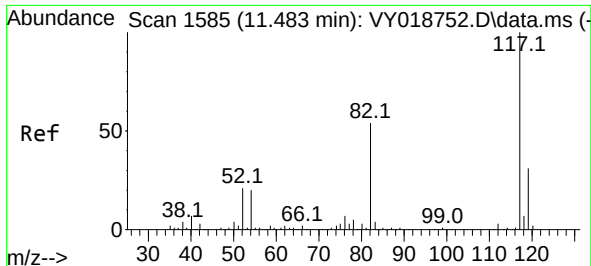
Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.6

176 86.4 0.0 171.4

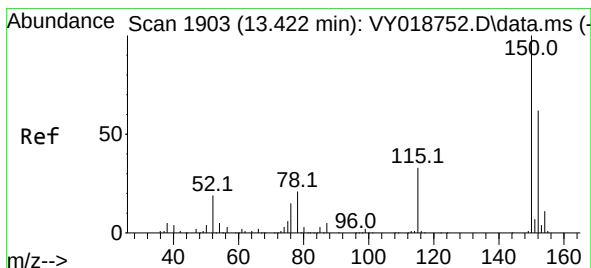
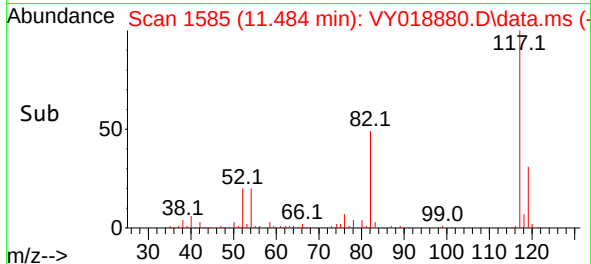
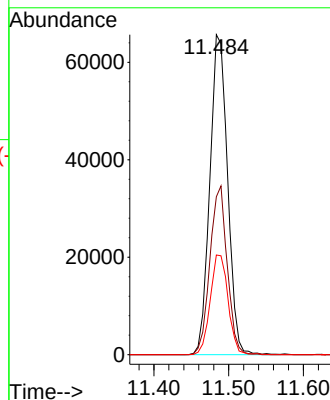
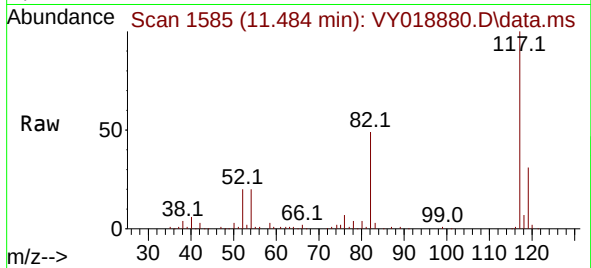




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.484 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018880.D  
Acq: 19 Jul 2024 14:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-4-071724

Tgt Ion:117 Resp: 108458  
Ion Ratio Lower Upper  
117 100  
82 49.4 42.4 63.6  
119 31.2 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY018880.D  
Acq: 19 Jul 2024 14:28

Tgt Ion:152 Resp: 48272  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.2 84.7  
150 155.7 0.0 345.6

