

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100424\  
 Data File : VY019801.D  
 Acq On : 04 Oct 2024 15:41  
 Operator : SY/MD  
 Sample : P4290-03  
 Misc : 5.95g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 IB-4-VOC

Quant Time: Oct 04 23:33:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 241187   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 474267   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 432004   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 163893   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 159326   | 71.340   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 142.680% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 154081   | 57.300   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 114.600% |
| 50) Toluene-d8              | 10.103 | 98    | 567637   | 57.072   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 114.140% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 188131   | 49.193   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 98.380%  |

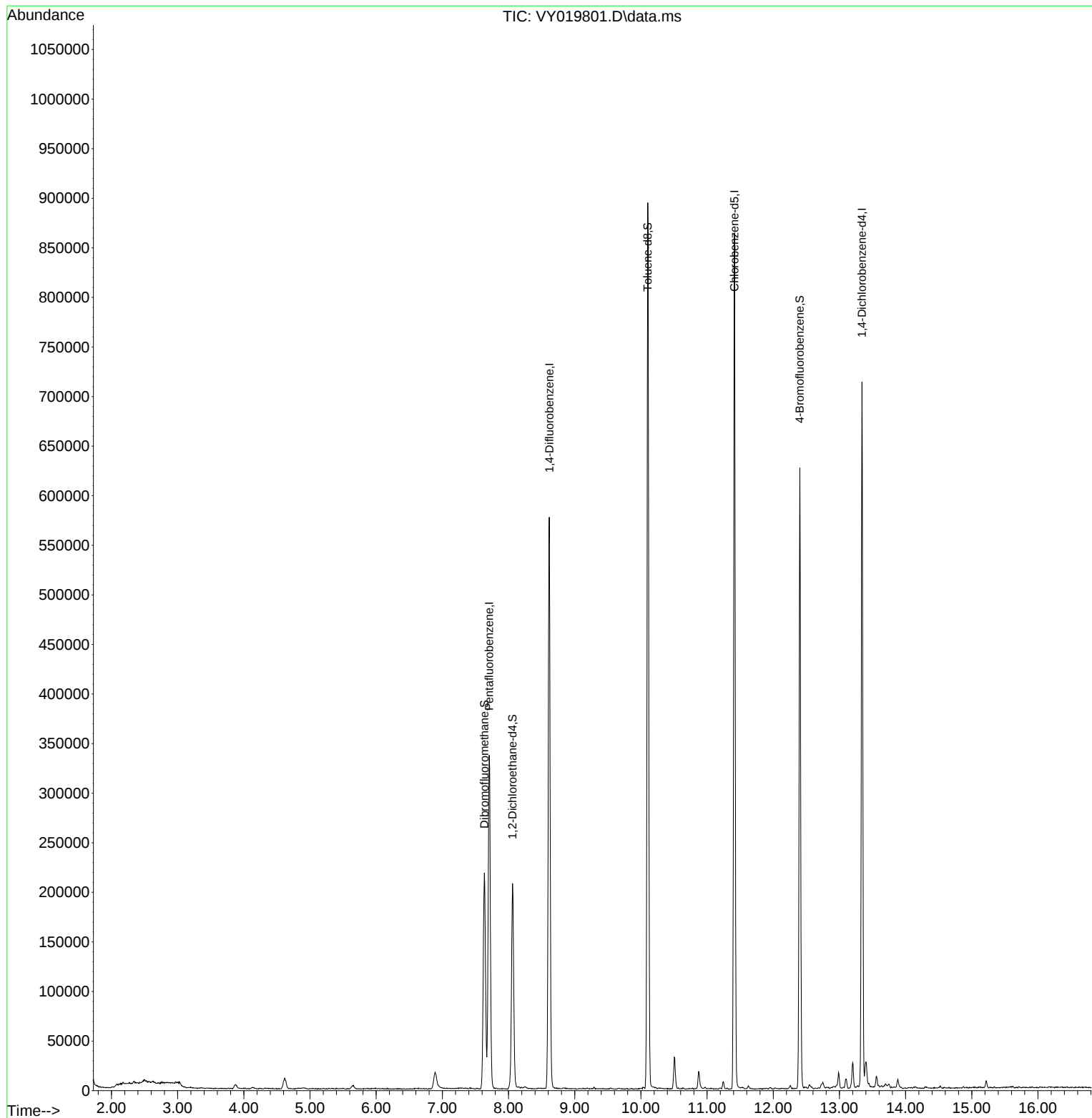
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

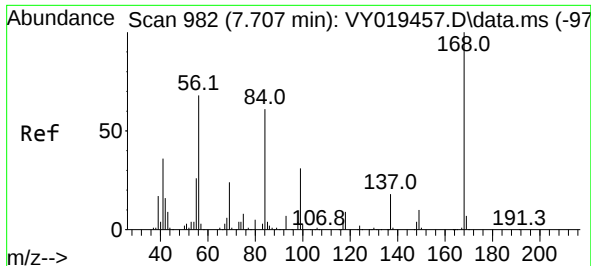
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

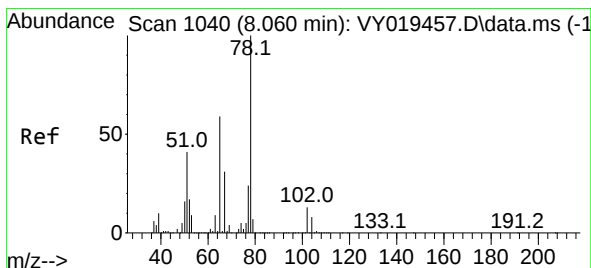
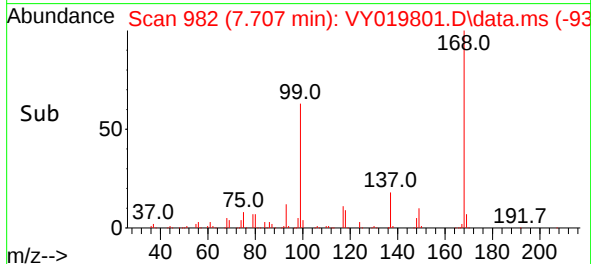
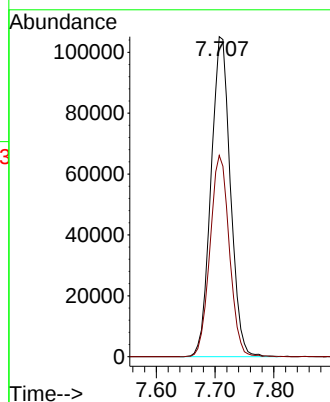
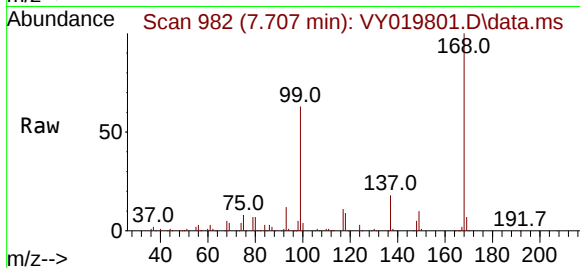




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY019801.D  
Acq: 04 Oct 2024 15:41

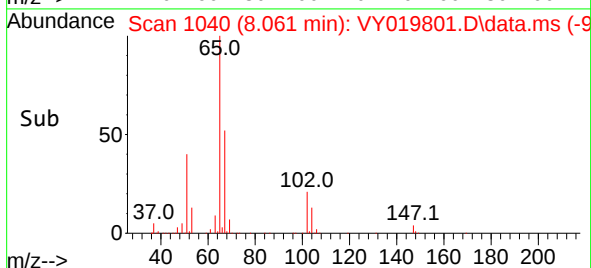
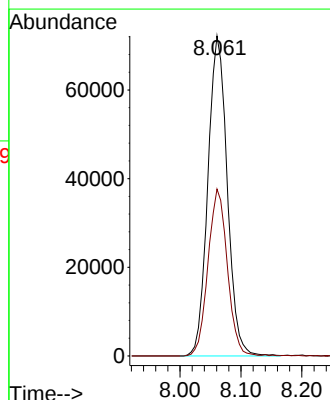
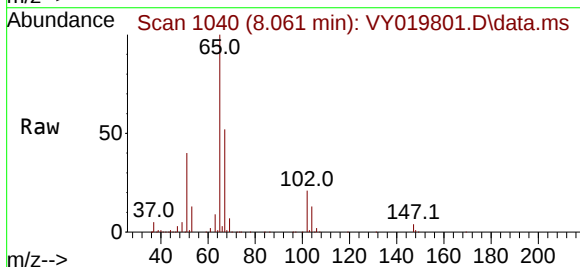
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-4-VOC

Tgt Ion:168 Resp: 241187  
Ion Ratio Lower Upper  
168 100  
99 62.9 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 71.340 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019801.D  
Acq: 04 Oct 2024 15:41

Tgt Ion: 65 Resp: 159326  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 109.6

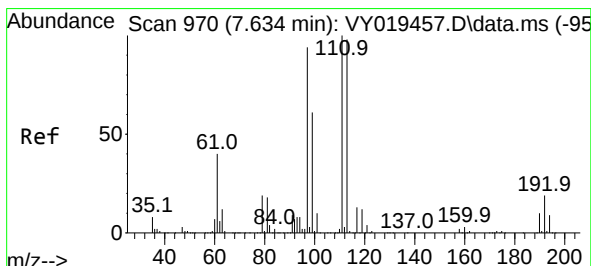
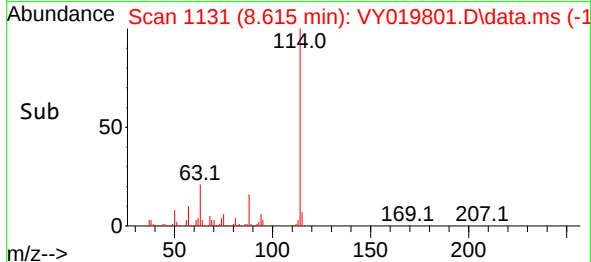
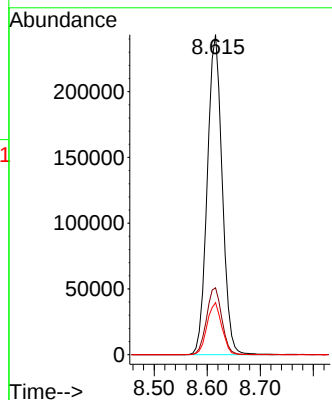
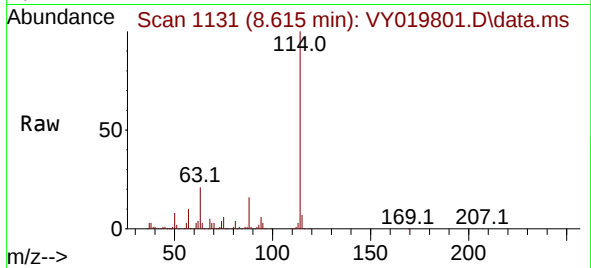




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019801.D  
Acq: 04 Oct 2024 15:41

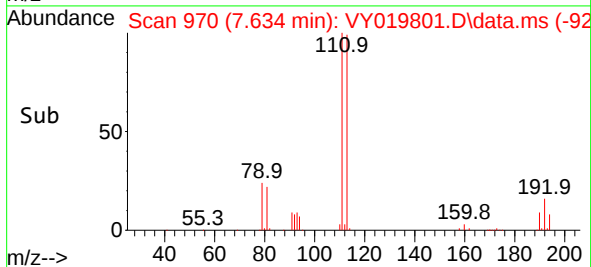
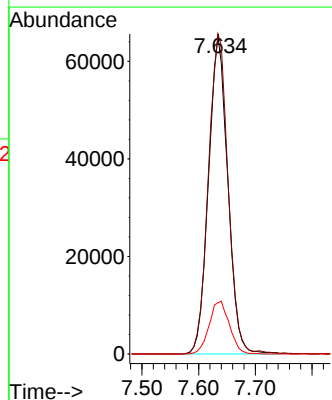
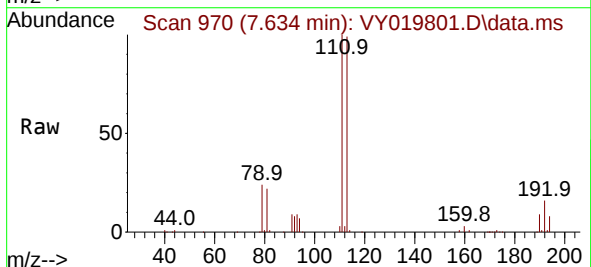
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-4-VOC

Tgt Ion:114 Resp: 474267  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 35.0  
88 16.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 57.300 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY019801.D  
Acq: 04 Oct 2024 15:41

Tgt Ion:113 Resp: 154081  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.4  
192 17.4 15.9 23.9

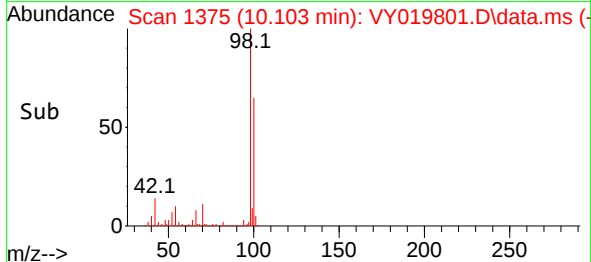
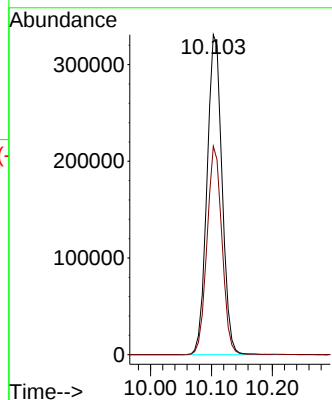
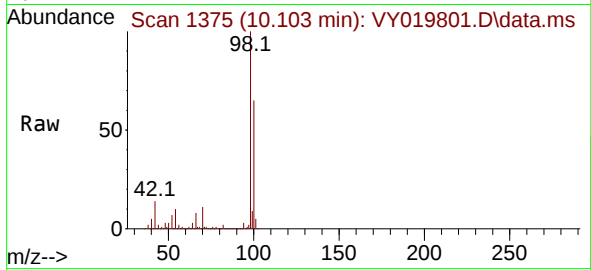




#50  
Toluene-d8  
Concen: 57.072 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019801.D  
Acq: 04 Oct 2024 15:41

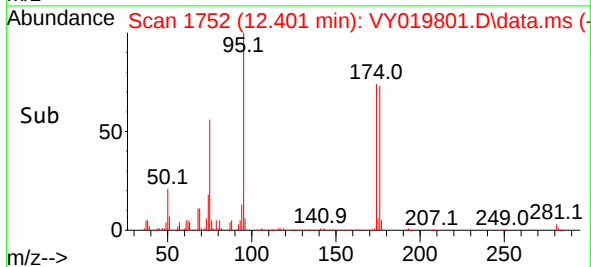
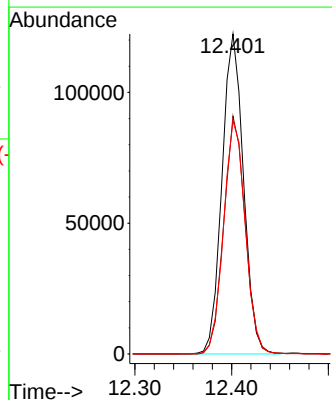
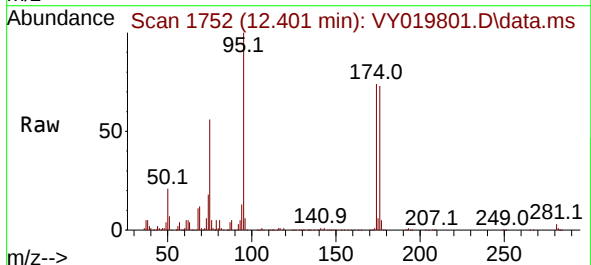
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-4-VOC

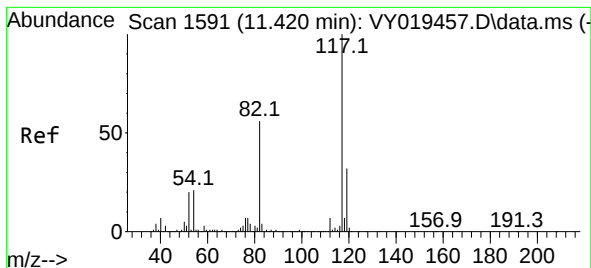
Tgt Ion: 98 Resp: 567637  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 49.193 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019801.D  
Acq: 04 Oct 2024 15:41

Tgt Ion: 95 Resp: 188131  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 175.6  
176 73.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019801.D

Acq: 04 Oct 2024 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

IB-4-VOC

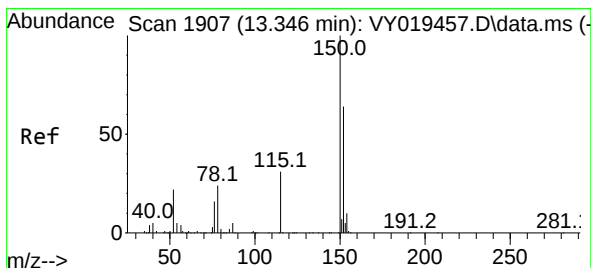
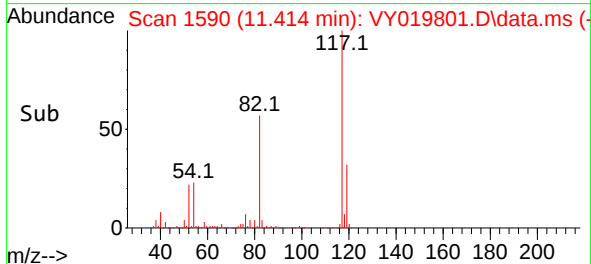
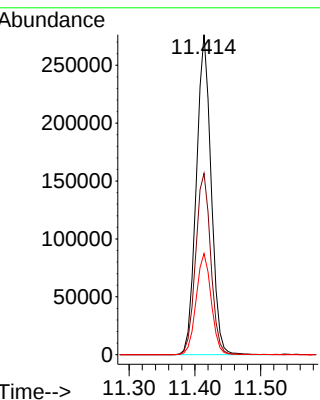
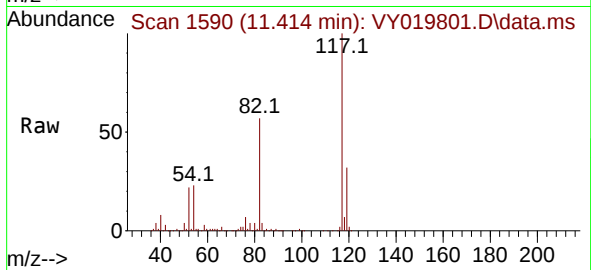
Tgt Ion:117 Resp: 432004

Ion Ratio Lower Upper

117 100

82 56.6 42.4 63.6

119 31.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019801.D

Acq: 04 Oct 2024 15:41

Tgt Ion:152 Resp: 163893

Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 159.0 0.0 345.6

