

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
 Data File : VY021967.D  
 Acq On : 23 Apr 2025 13:29  
 Operator : SY/MD  
 Sample : Q1851-06  
 Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GP6

Quant Time: Apr 24 03:45:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 325896   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 599246   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 448094   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 115067   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 137801   | 45.777   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.560% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 192150   | 48.536   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.080% |
| 50) Toluene-d8              | 10.109 | 98    | 694117   | 46.506   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.020% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 140919   | 28.047   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 56.100% |

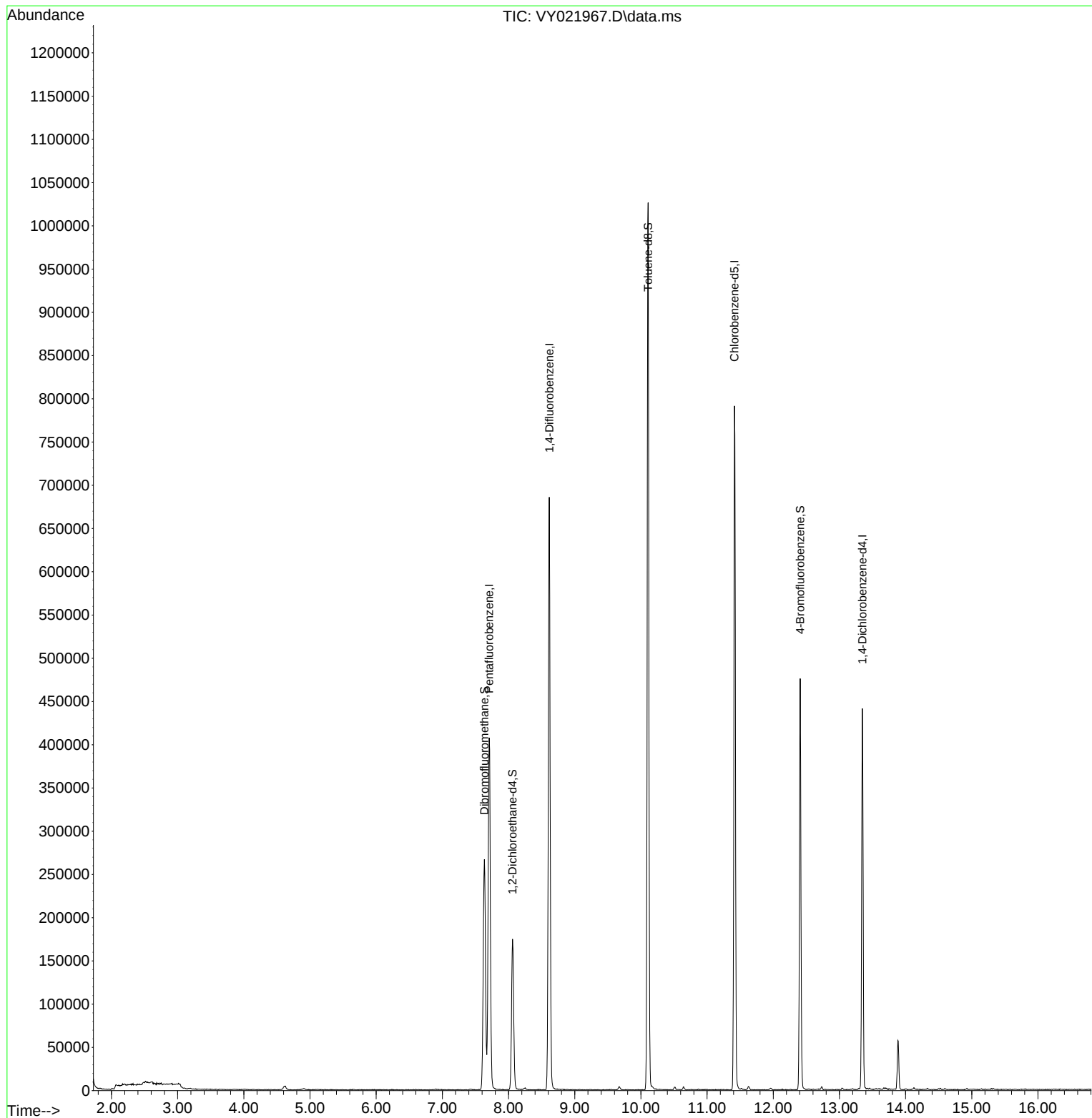
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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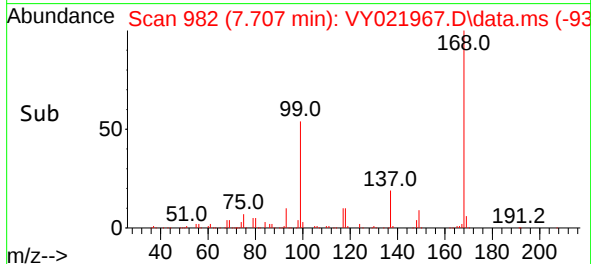
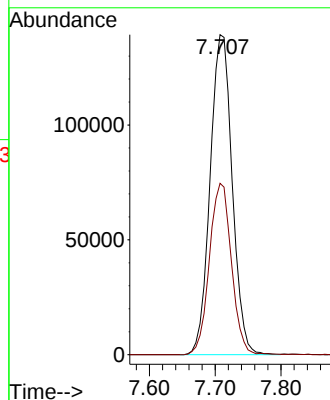
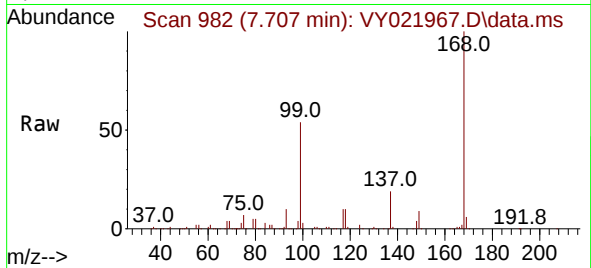




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

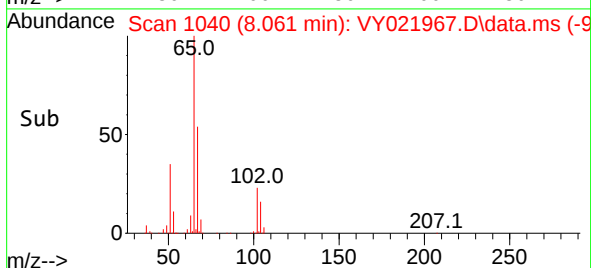
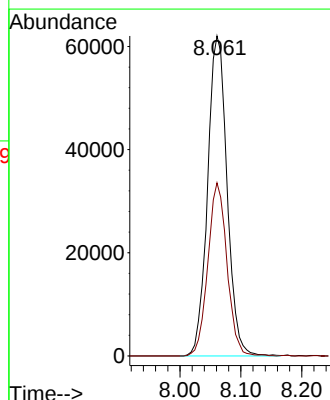
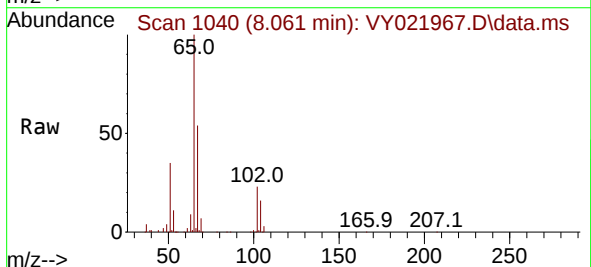
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

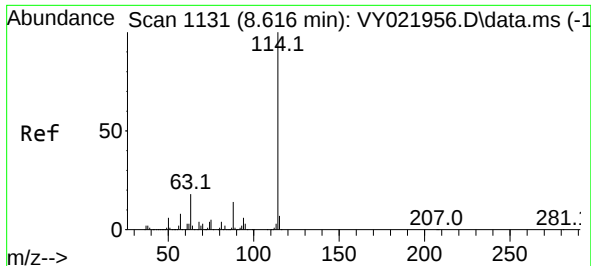
Tgt Ion:168 Resp: 325896  
Ion Ratio Lower Upper  
168 100  
99 53.5 43.1 64.7



#33  
1,2-Dichloroethane-d4  
Concen: 45.777 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

Tgt Ion: 65 Resp: 137801  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.8

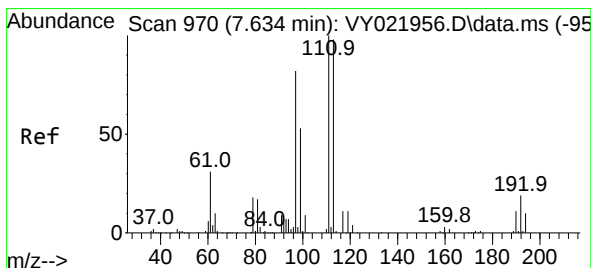
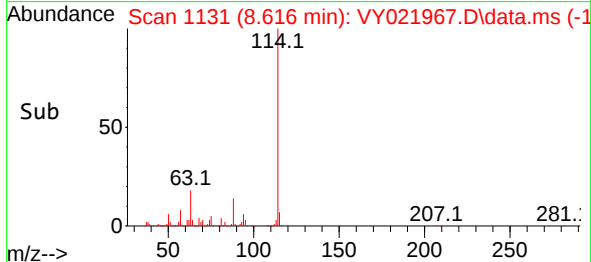
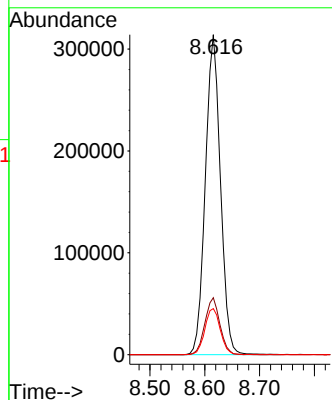
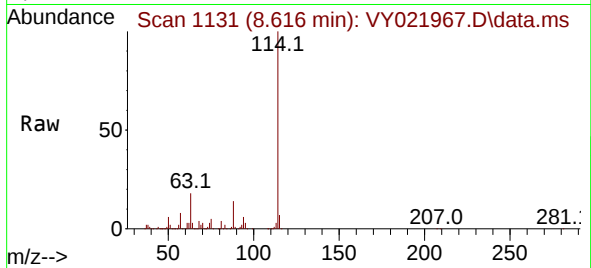




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

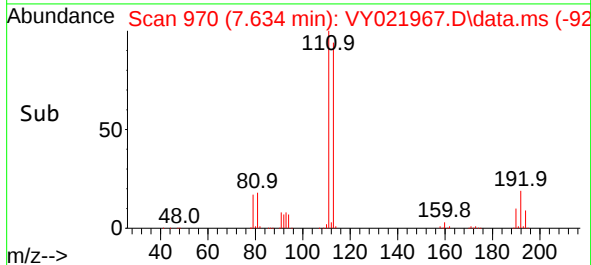
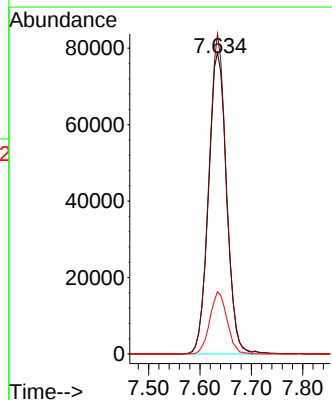
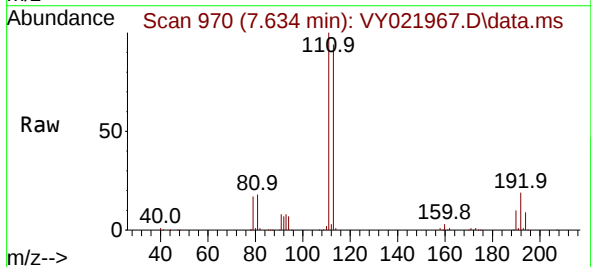
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Tgt Ion:114 Resp: 599246  
Ion Ratio Lower Upper  
114 100  
63 17.8 0.0 35.4  
88 14.4 0.0 28.2



#35  
Dibromofluoromethane  
Concen: 48.536 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

Tgt Ion:113 Resp: 192150  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.8 122.8  
192 19.7 15.6 23.4

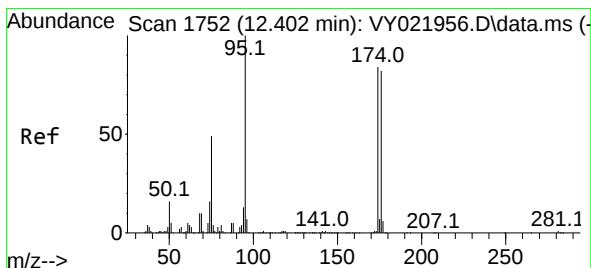
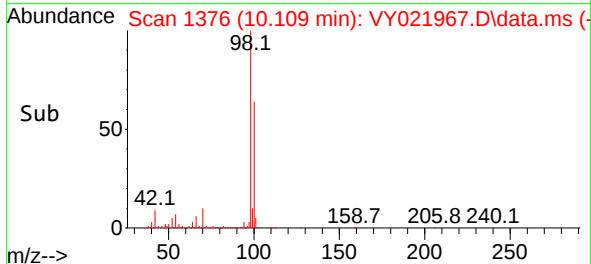
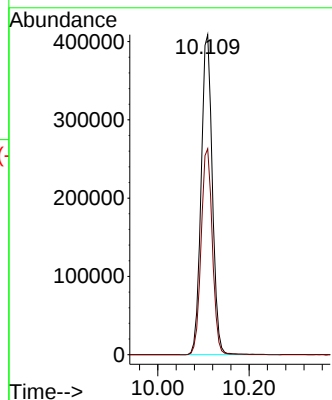
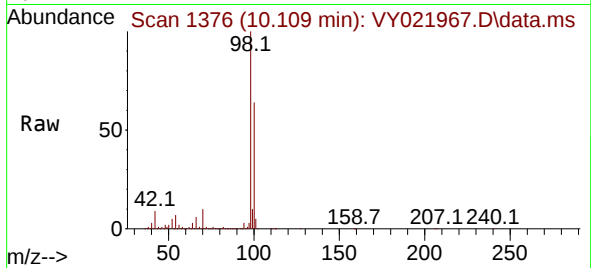




#50  
Toluene-d8  
Concen: 46.506 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

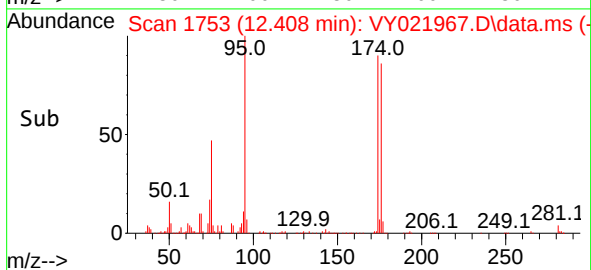
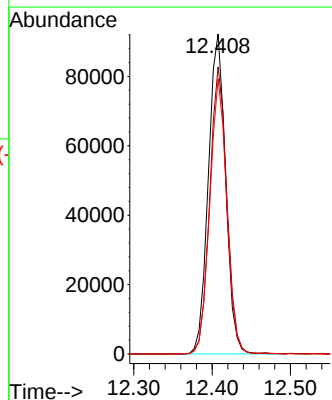
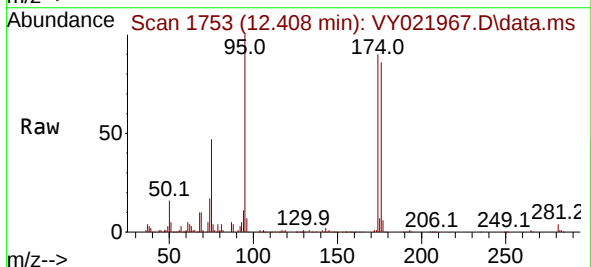
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

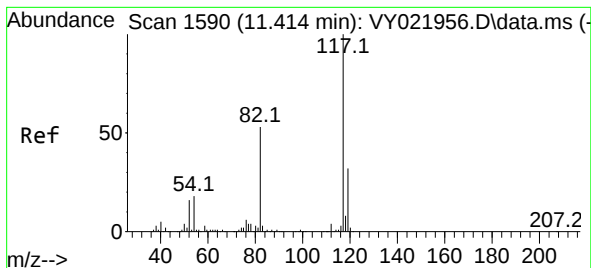
Tgt Ion: 98 Resp: 694117  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 28.047 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

Tgt Ion: 95 Resp: 140919  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 179.0  
176 85.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA\_Y

ClientSampleId :

GP6

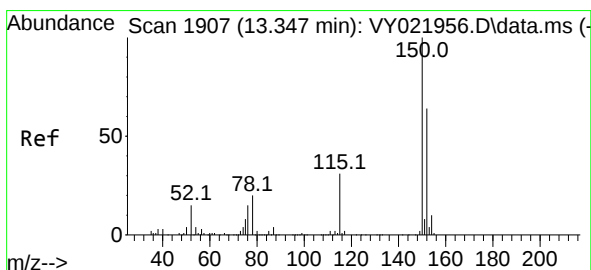
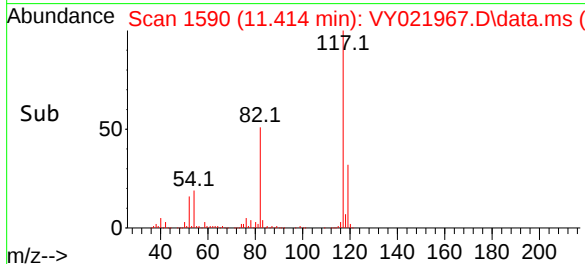
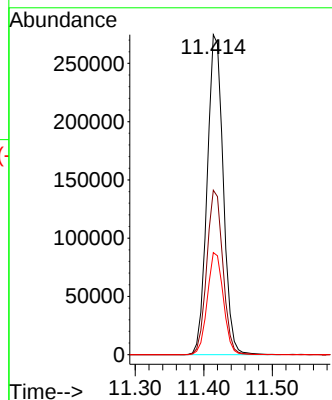
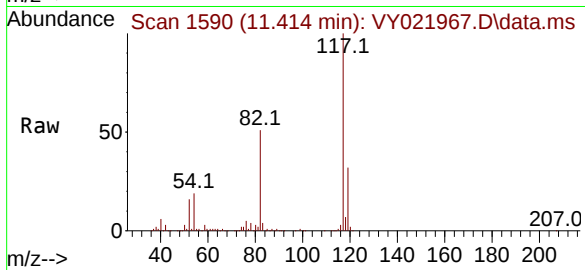
Tgt Ion:117 Resp: 448094

Ion Ratio Lower Upper

117 100

82 51.4 42.1 63.1

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Tgt Ion:152 Resp: 115067

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 157.0 0.0 345.6

