

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020525\  
 Data File : VY021085.D  
 Acq On : 05 Feb 2025 13:51  
 Operator : SY/MD  
 Sample : Q1280-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11984

Quant Time: Feb 06 00:35:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 263874   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 474323   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 433404   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 184472   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 138434   | 51.204   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.400% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 149060   | 49.036   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.080%  |
| 50) Toluene-d8              | 10.109 | 98    | 563434   | 48.687   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.380%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 188963   | 49.981   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.960%  |

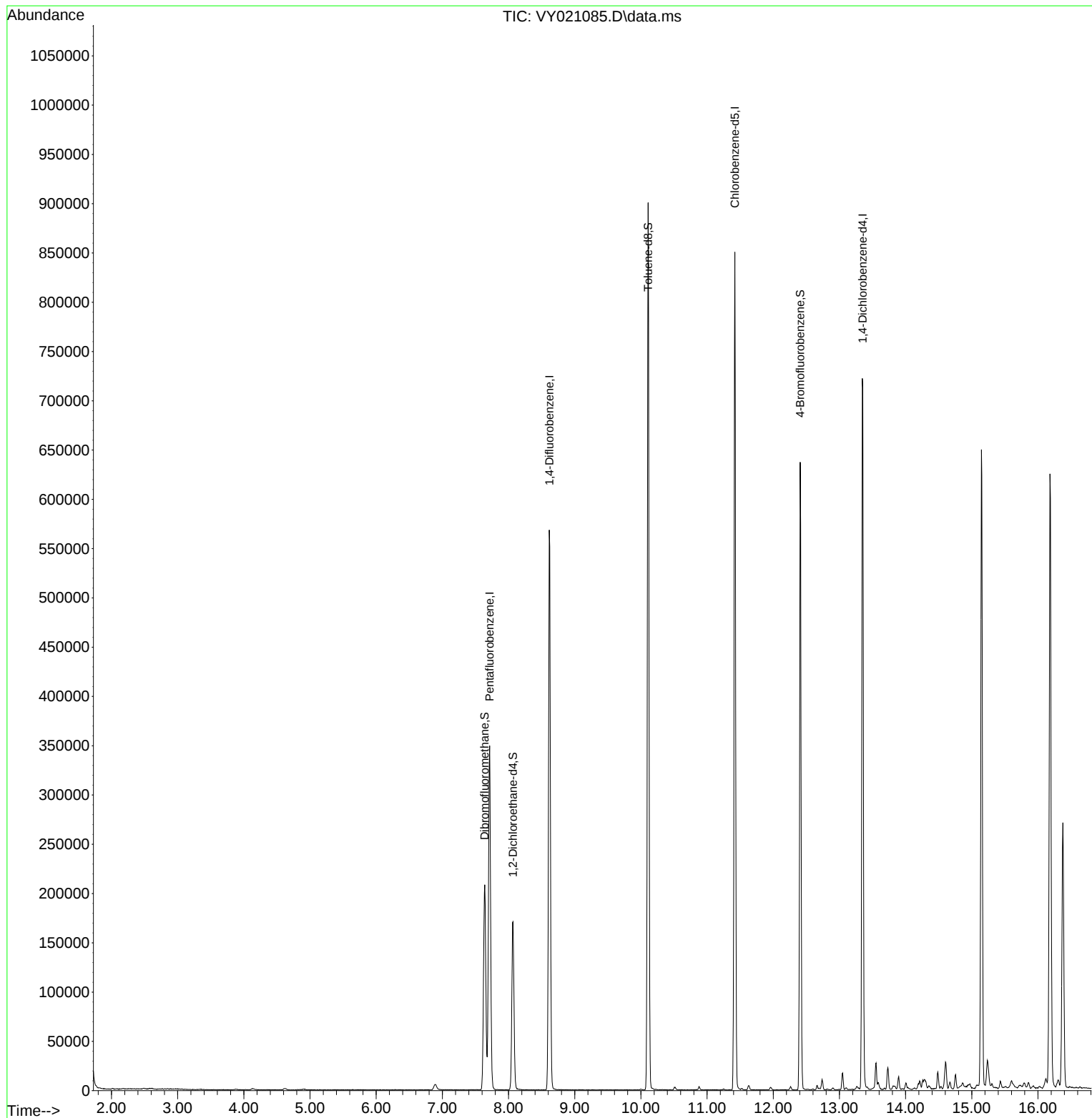
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

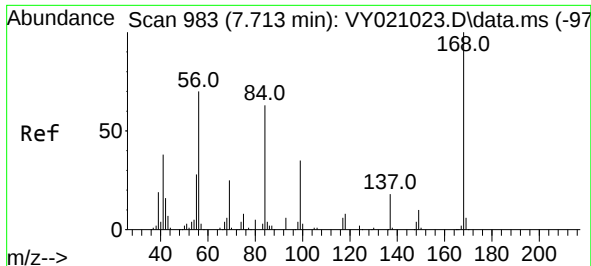
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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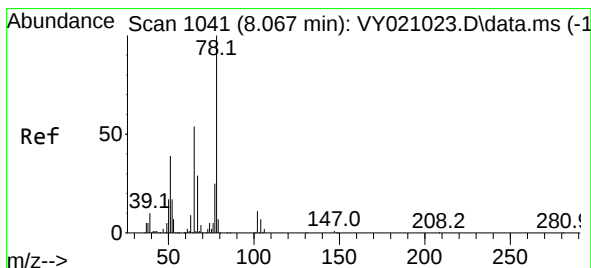
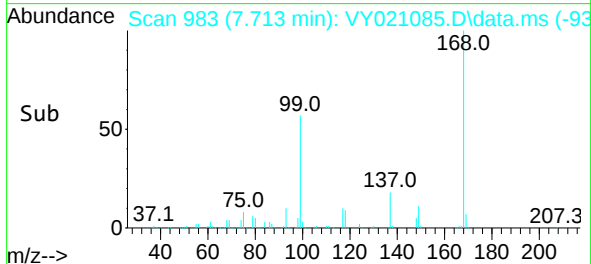
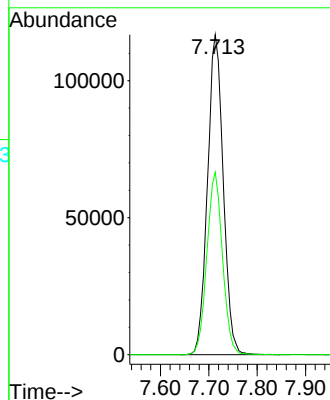
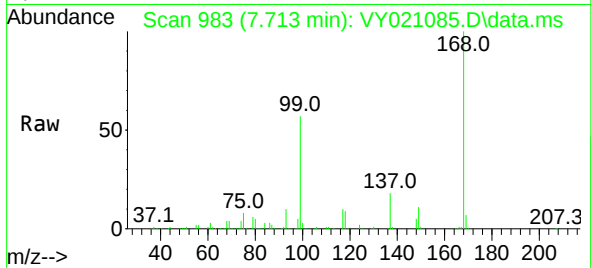




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

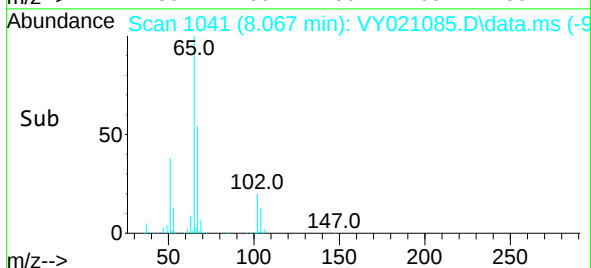
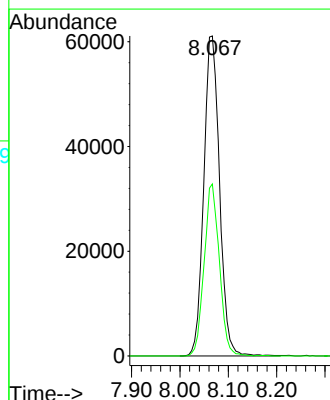
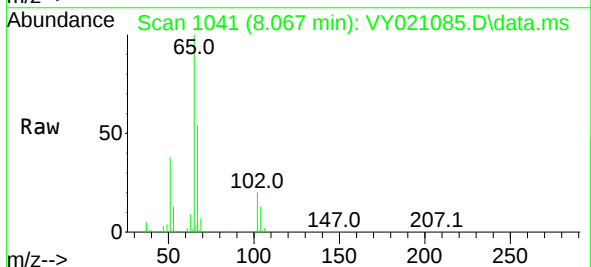
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11984

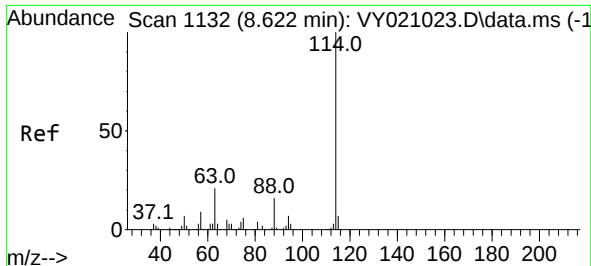
Tgt Ion:168 Resp: 263874  
Ion Ratio Lower Upper  
168 100  
99 57.0 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 51.204 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

Tgt Ion: 65 Resp: 138434  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

72-11984

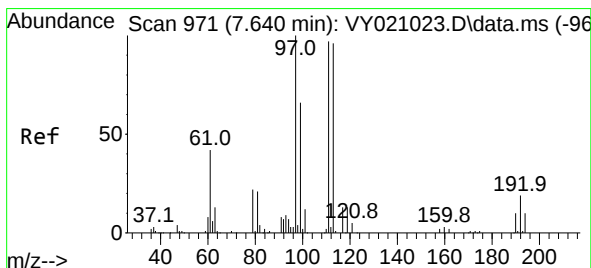
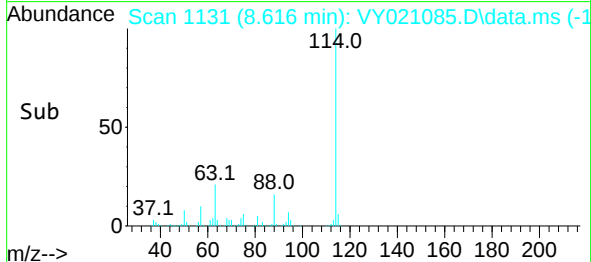
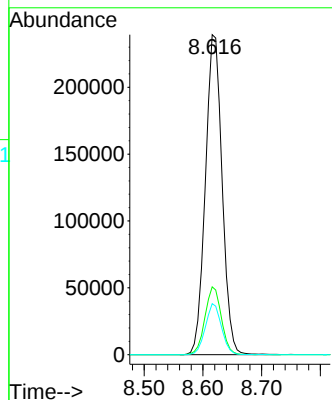
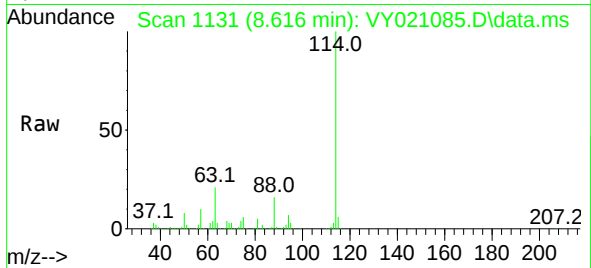
Tgt Ion:114 Resp: 474323

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 16.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.036 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

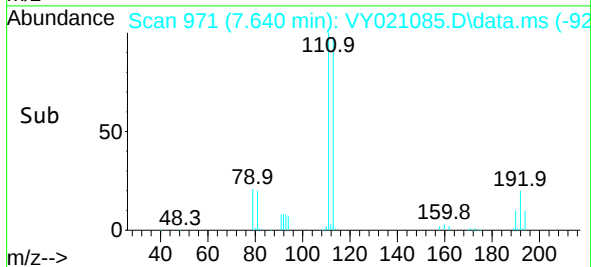
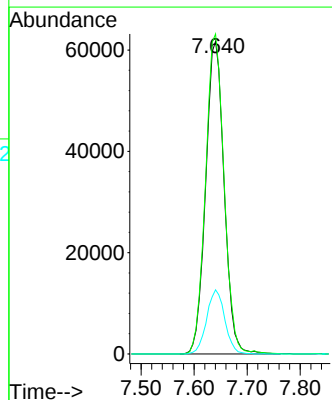
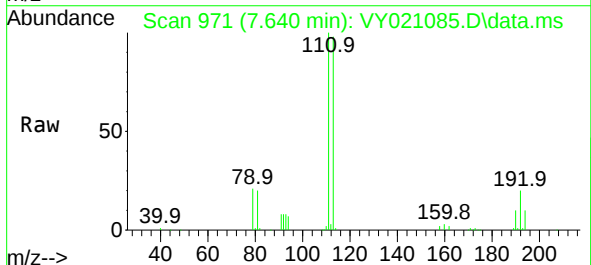
Tgt Ion:113 Resp: 149060

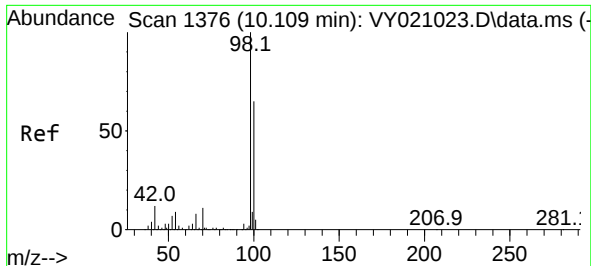
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 20.2 14.5 21.7

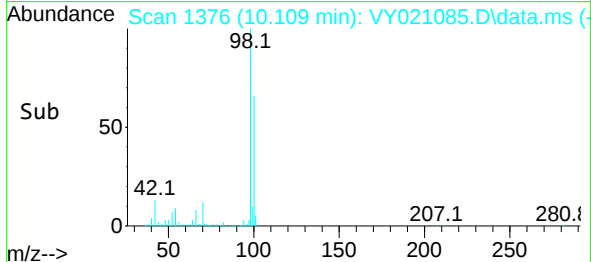
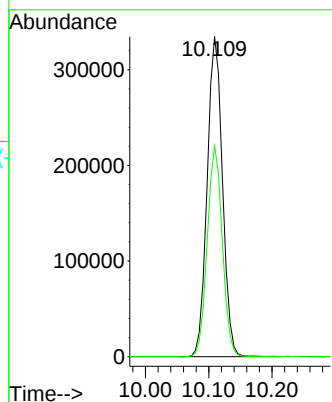
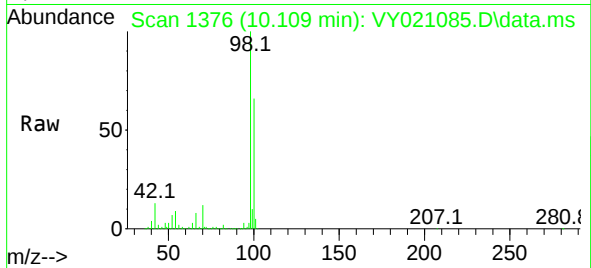




#50  
Toluene-d8  
Concen: 48.687 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

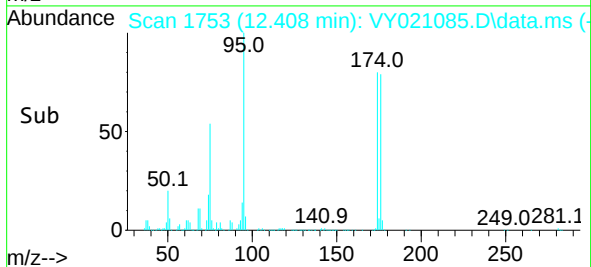
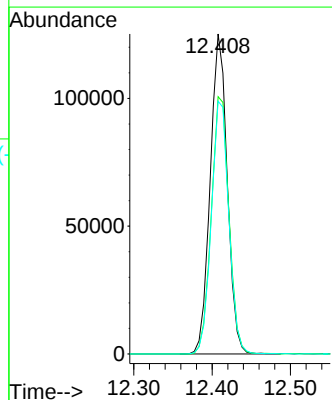
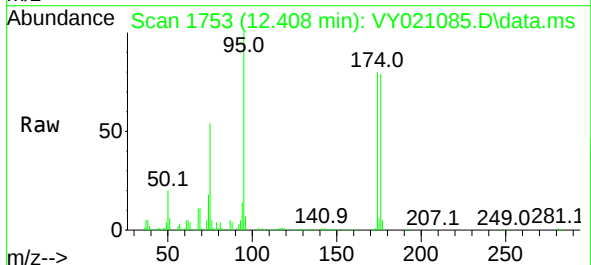
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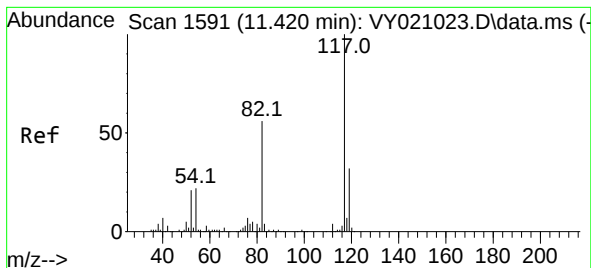
Tgt Ion: 98 Resp: 563434  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 49.981 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

Tgt Ion: 95 Resp: 188963  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 160.0  
176 81.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

72-11984

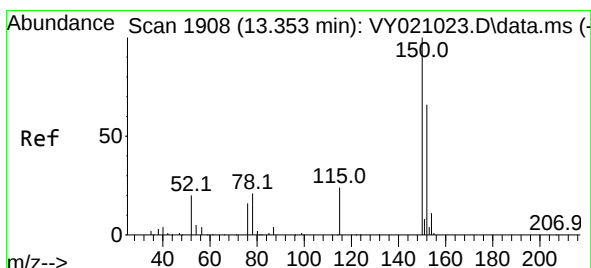
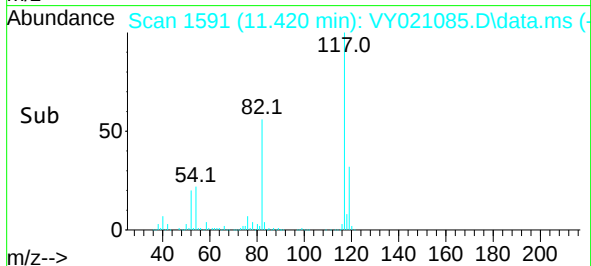
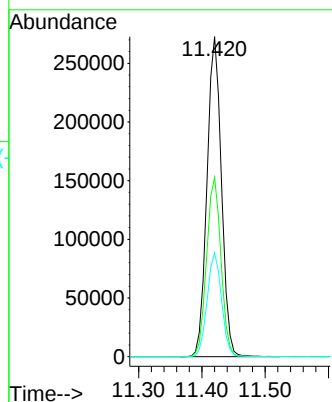
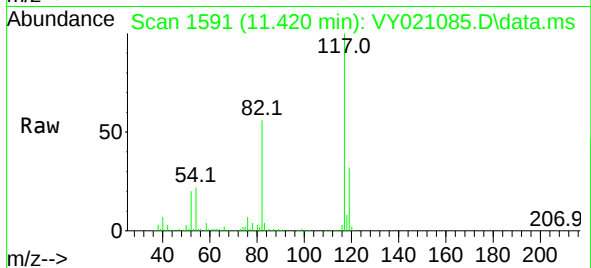
Tgt Ion:117 Resp: 433404

Ion Ratio Lower Upper

117 100

82 56.0 43.8 65.8

119 32.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Tgt Ion:152 Resp: 184472

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 158.6 0.0 344.6

