

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051523\  
 Data File : VY013733.D  
 Acq On : 15 May 2023 13:43  
 Operator : KP/MD  
 Sample : 02747-02  
 Misc : 5.55g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-03-10-12-20230510

Quant Time: May 16 01:30:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 195890   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 342279   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 329536   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 152444   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 130882   | 60.949   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 121.900% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 113249   | 52.606   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.220% |
| 50) Toluene-d8              | 10.179 | 98    | 417910   | 54.569   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 109.140% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 135482   | 52.476   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.960% |

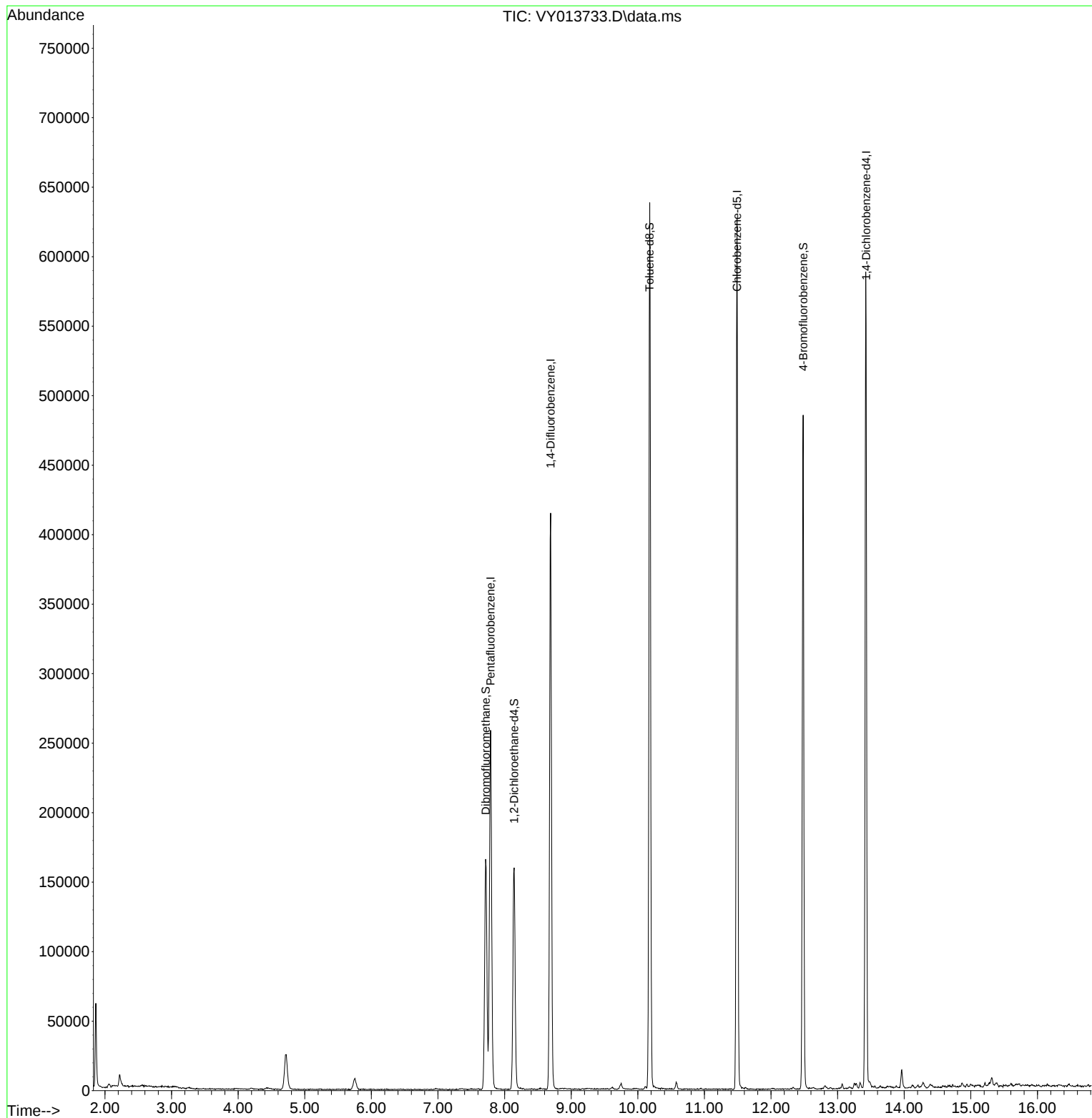
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

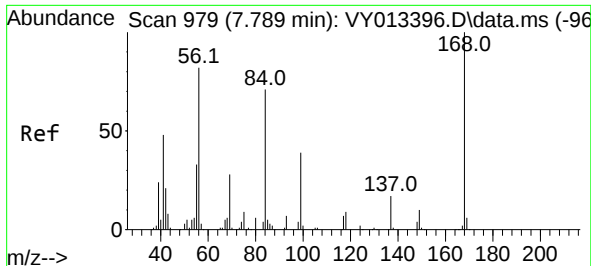
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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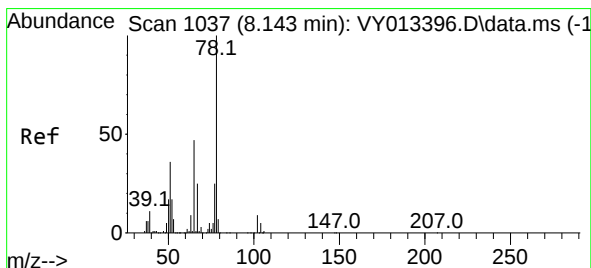
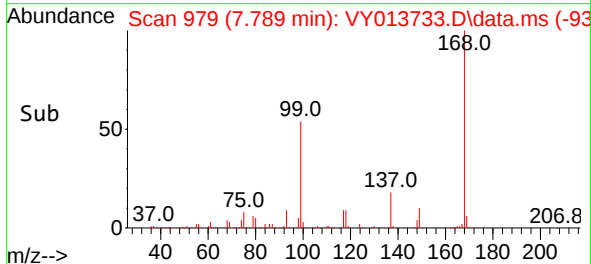
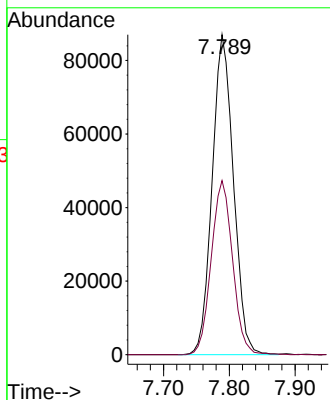
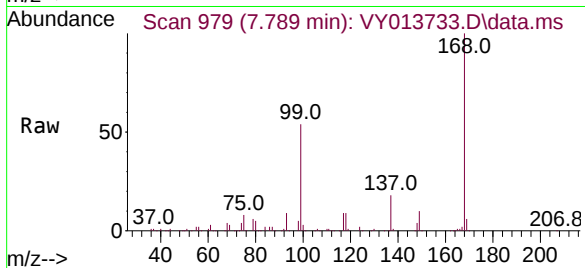




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013733.D  
Acq: 15 May 2023 13:43

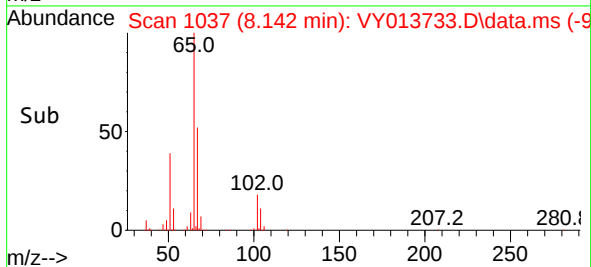
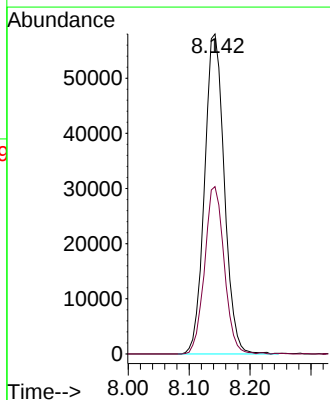
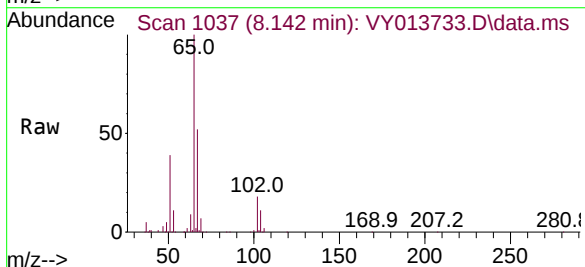
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-03-10-12-20230510

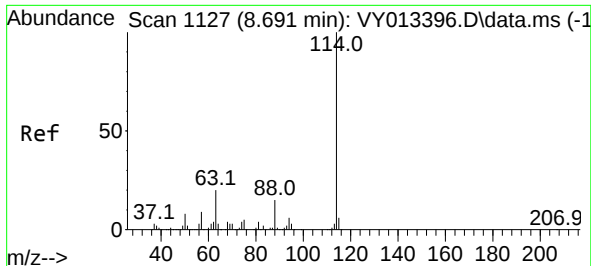
Tgt Ion:168 Resp: 195890  
Ion Ratio Lower Upper  
168 100  
99 54.4 41.8 62.6



#33  
1,2-Dichloroethane-d4  
Concen: 60.949 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY013733.D  
Acq: 15 May 2023 13:43

Tgt Ion: 65 Resp: 130882  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 103.4

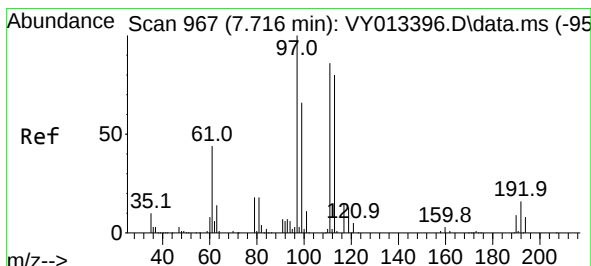
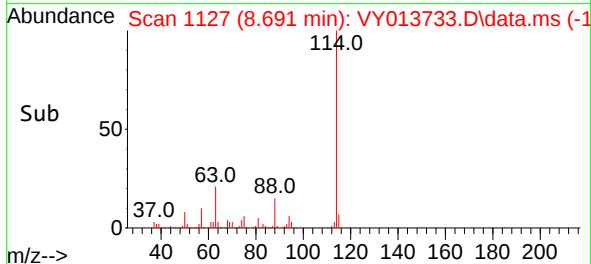
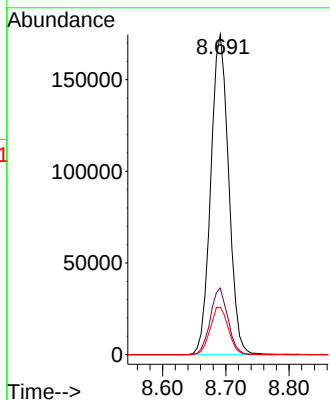
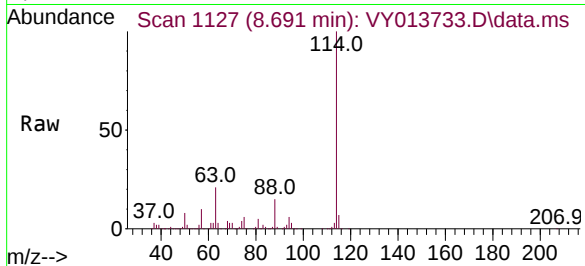




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY013733.D  
Acq: 15 May 2023 13:43

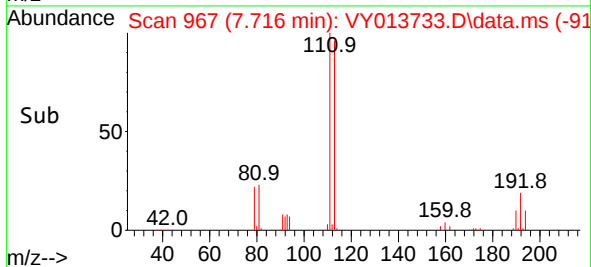
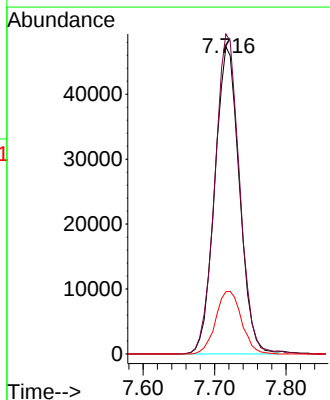
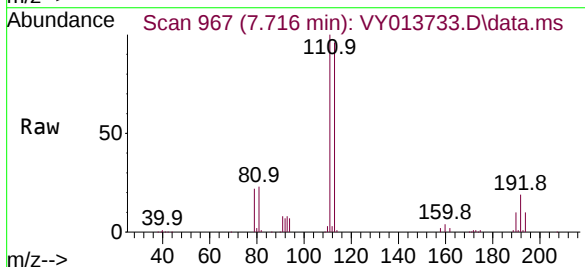
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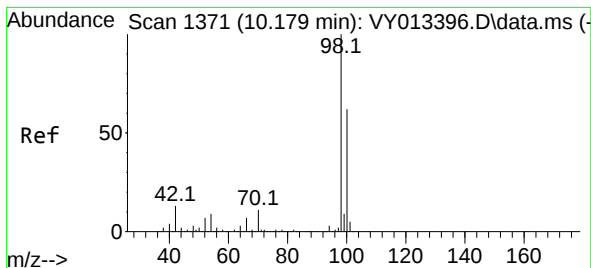
Tgt Ion:114 Resp: 342279  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 36.6  
88 14.8 0.0 28.8



#35  
Dibromofluoromethane  
Concen: 52.606 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY013733.D  
Acq: 15 May 2023 13:43

Tgt Ion:113 Resp: 113249  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.2 123.2  
192 21.3 16.7 25.1





#50

Toluene-d8

Concen: 54.569 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

Instrument :

MSVOA\_Y

ClientSampleId :

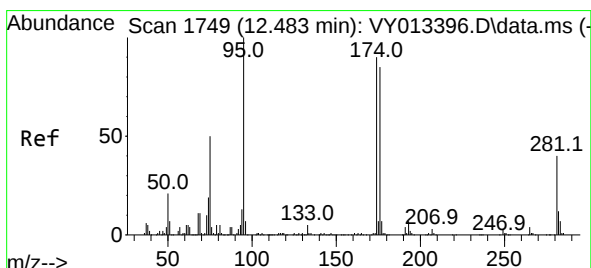
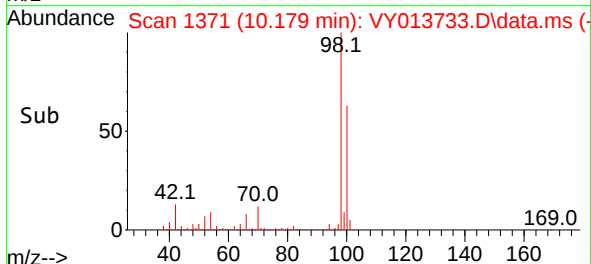
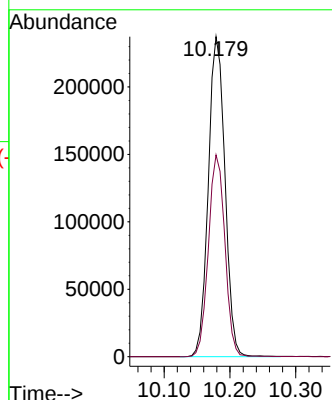
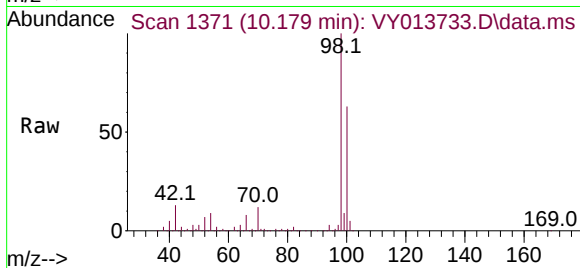
SB-03-10-12-20230510

Tgt Ion: 98 Resp: 417910

Ion Ratio Lower Upper

98 100

100 62.5 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 52.476 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

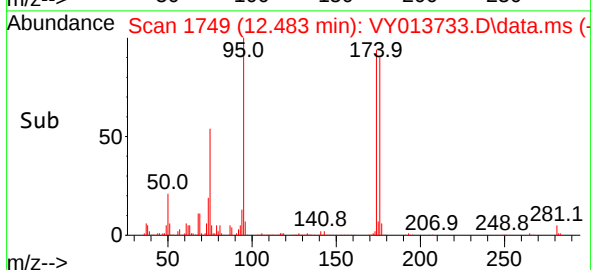
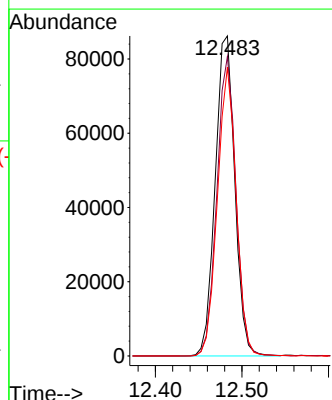
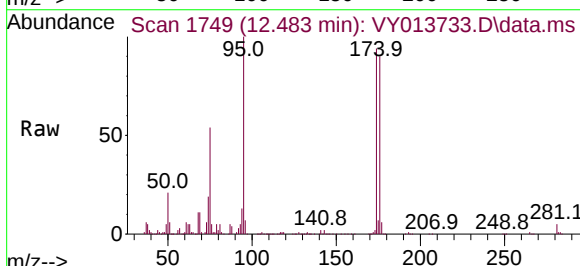
Tgt Ion: 95 Resp: 135482

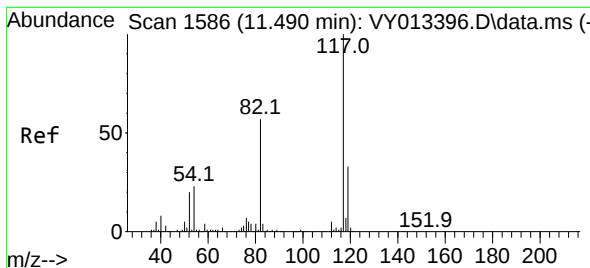
Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.0

176 86.5 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

Instrument :

MSVOA\_Y

ClientSampleId :

SB-03-10-12-20230510

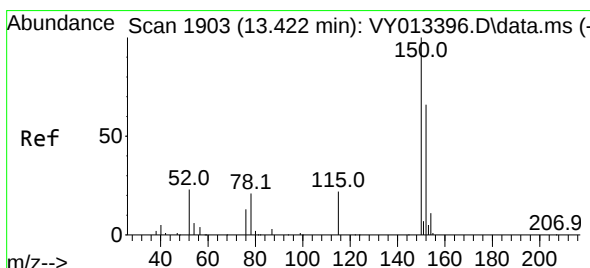
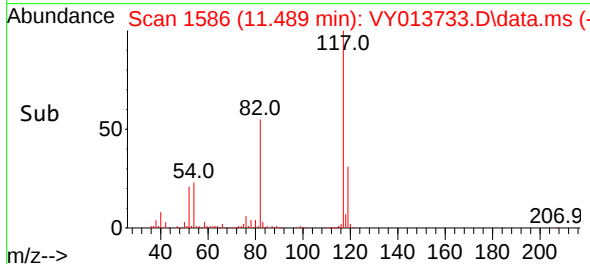
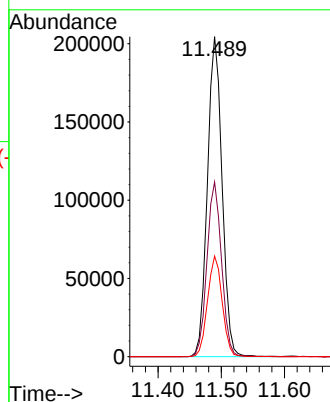
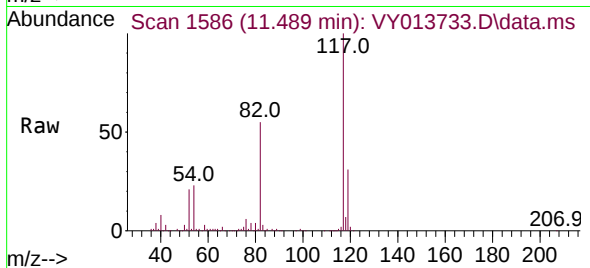
Tgt Ion:117 Resp: 329536

Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.6

119 31.5 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

Tgt Ion:152 Resp: 152444

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

150 154.5 0.0 352.0

