

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011724\  
 Data File : VY017020.D  
 Acq On : 17 Jan 2024 18:51  
 Operator : SY/MD  
 Sample : P1150-03  
 Misc : 3.14g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MR-306-25-27

Quant Time: Jan 18 00:46:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.832  | 168   | 99689    | 50.000   | ug/l  | 0.03     |
| 34) 1,4-Difluorobenzene     | 8.728  | 114   | 212826   | 50.000   | ug/l  | 0.02     |
| 63) Chlorobenzene-d5        | 11.520 | 117   | 207076   | 50.000   | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 13.452 | 152   | 78278    | 50.000   | ug/l  | 0.02     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.179  | 65    | 48052    | 48.770   | ug/l  | 0.02     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 97.540%  |
| 35) Dibromofluoromethane    | 7.758  | 113   | 51445    | 37.933   | ug/l  | 0.03     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 75.860%  |
| 50) Toluene-d8              | 10.209 | 98    | 187168   | 40.078   | ug/l  | 0.02     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 80.160%  |
| 62) 4-Bromofluorobenzene    | 12.508 | 95    | 58344    | 37.029   | ug/l  | 0.02     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 74.060%  |

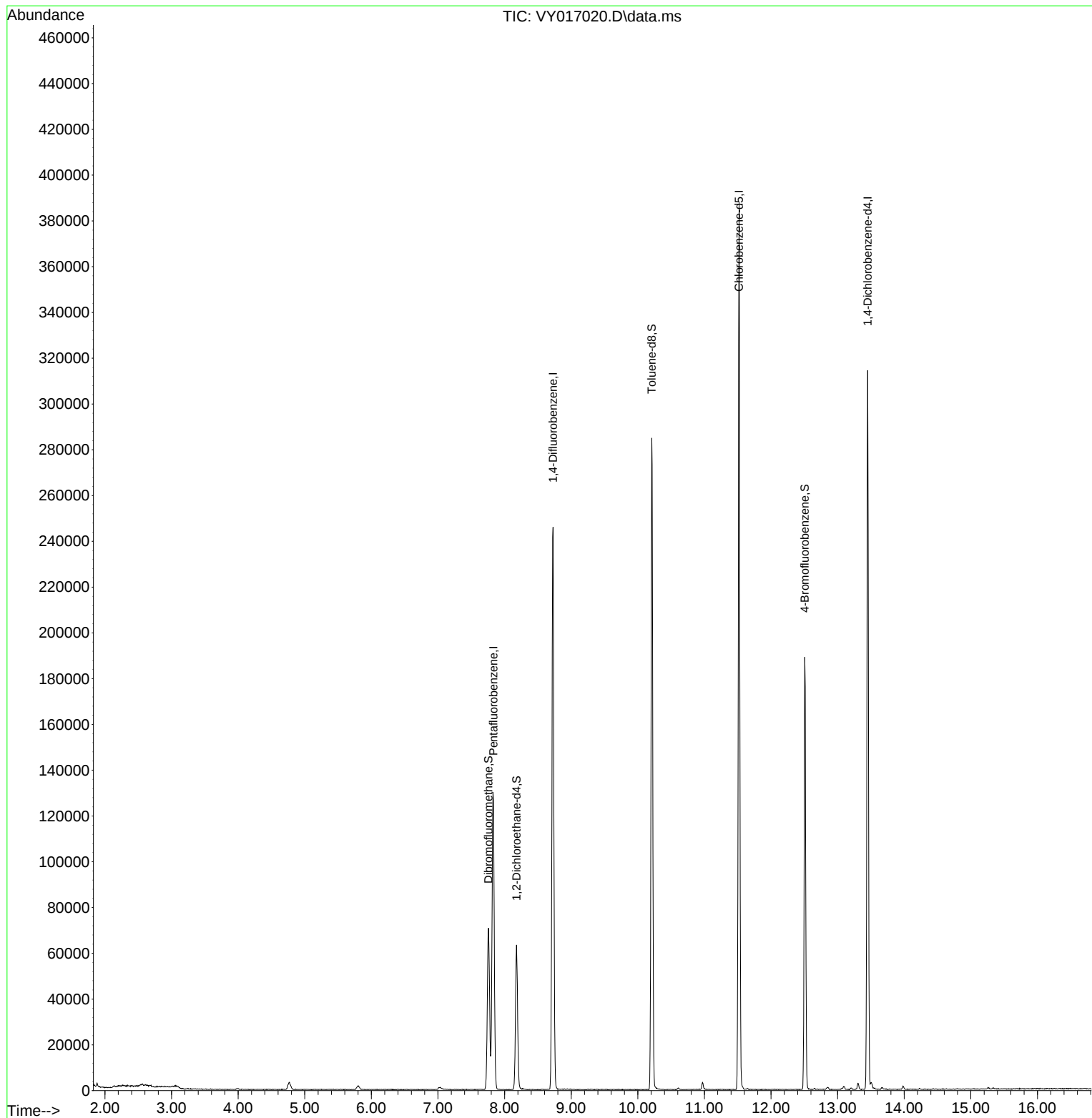
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

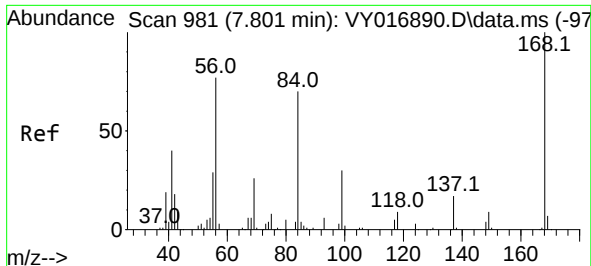
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
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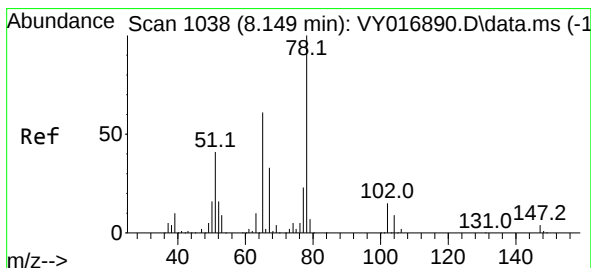
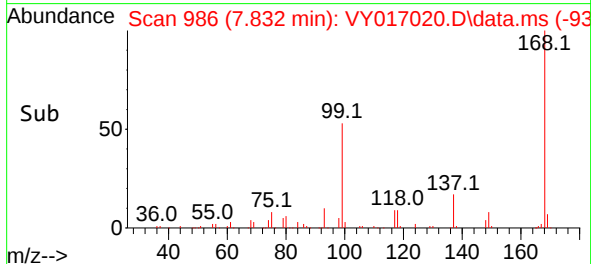
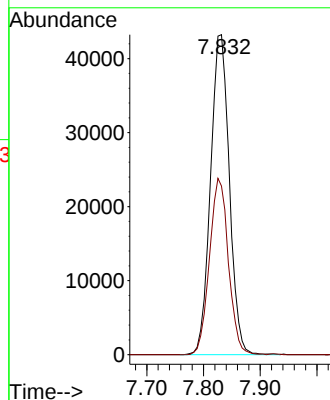
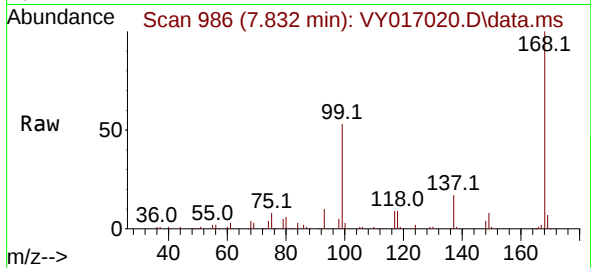




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.832 min Scan# 91  
Delta R.T. 0.031 min  
Lab File: VY017020.D  
Acq: 17 Jan 2024 18:51

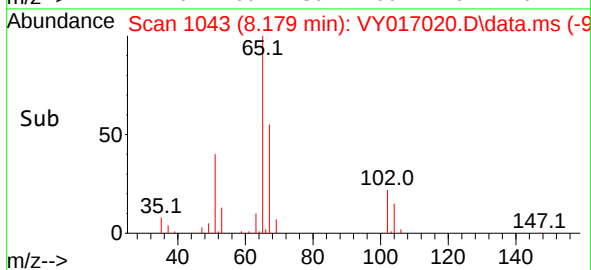
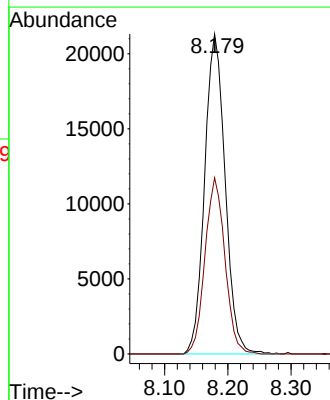
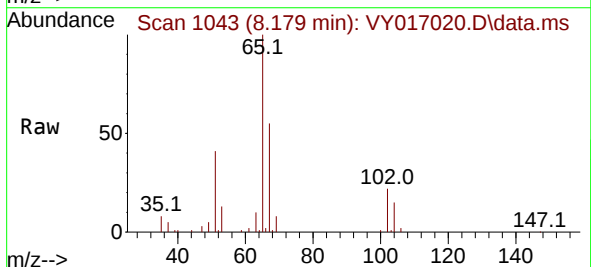
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MR-306-25-27

Tgt Ion:168 Resp: 99689  
Ion Ratio Lower Upper  
168 100  
99 52.7 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 48.770 ug/l  
RT: 8.179 min Scan# 1043  
Delta R.T. 0.024 min  
Lab File: VY017020.D  
Acq: 17 Jan 2024 18:51

Tgt Ion: 65 Resp: 48052  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.728 min Scan# 1128

Delta R.T. 0.025 min

Lab File: VY017020.D

Acq: 17 Jan 2024 18:51

Instrument :

MSVOA\_Y

ClientSampleId :

MR-306-25-27

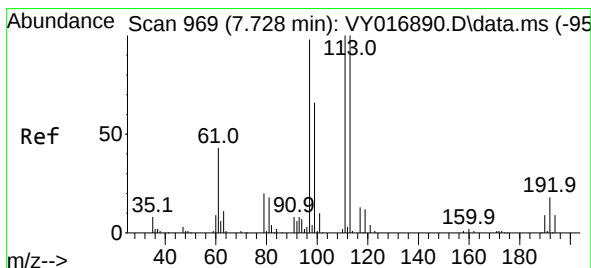
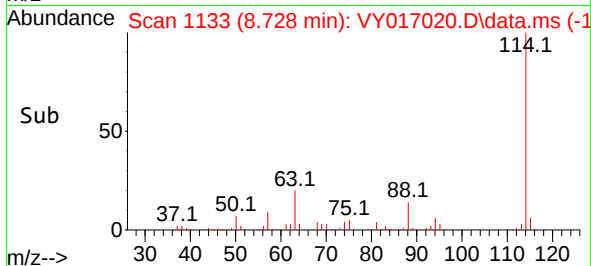
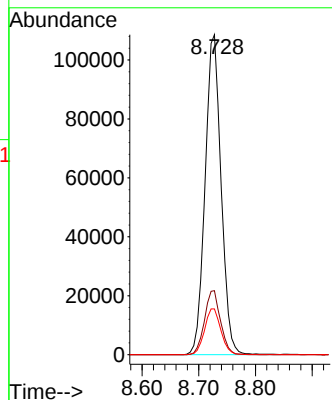
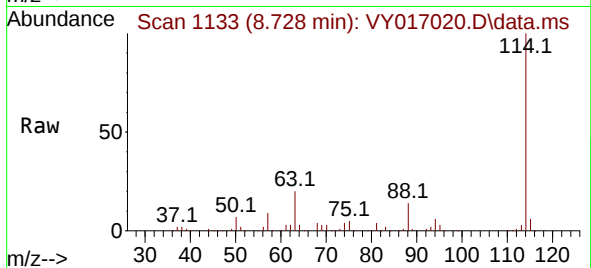
Tgt Ion:114 Resp: 212826

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.933 ug/l

RT: 7.758 min Scan# 974

Delta R.T. 0.030 min

Lab File: VY017020.D

Acq: 17 Jan 2024 18:51

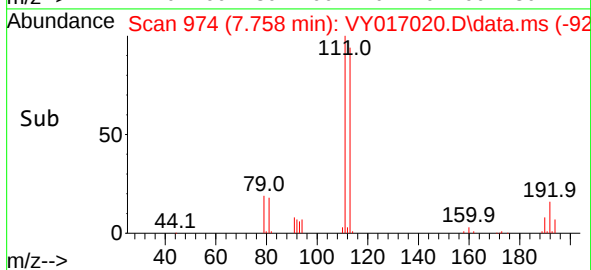
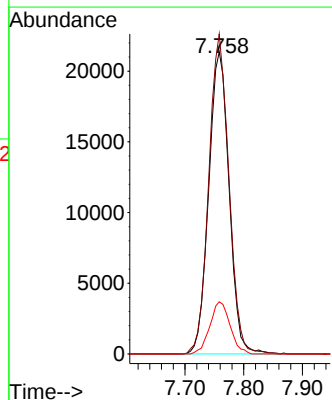
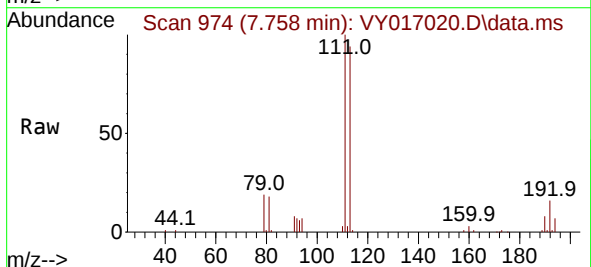
Tgt Ion:113 Resp: 51445

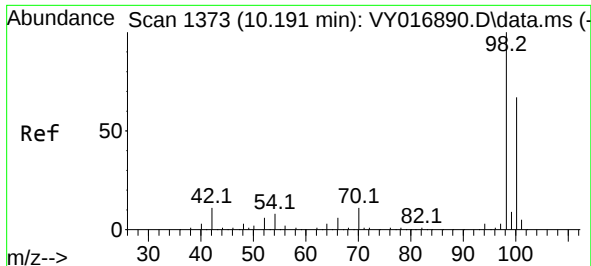
Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 17.2 14.5 21.7

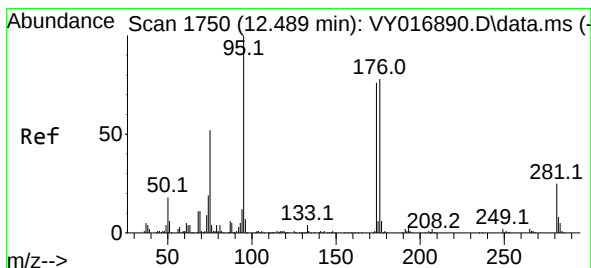
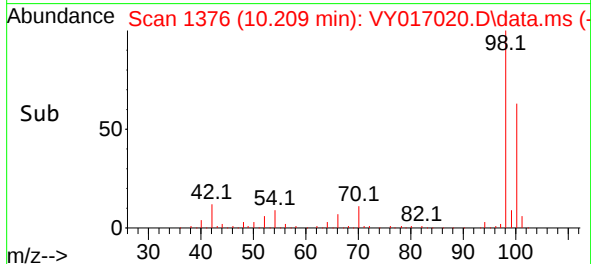
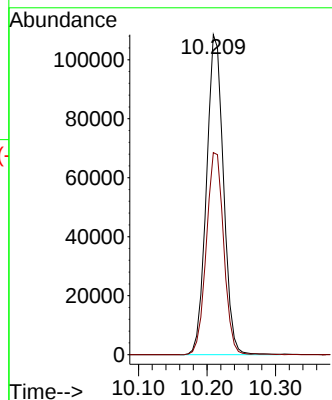
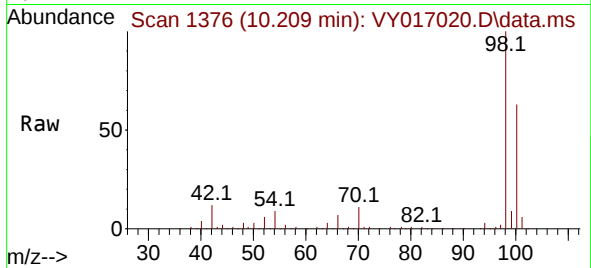




#50  
Toluene-d8  
Concen: 40.078 ug/l  
RT: 10.209 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY017020.D  
Acq: 17 Jan 2024 18:51

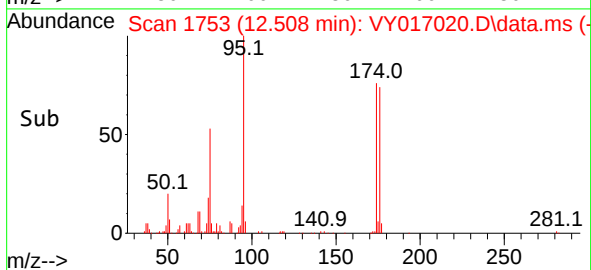
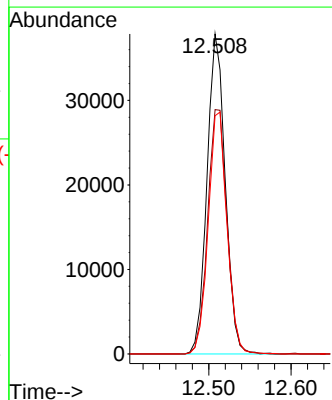
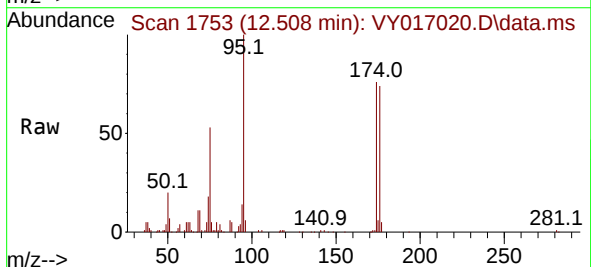
Instrument :  
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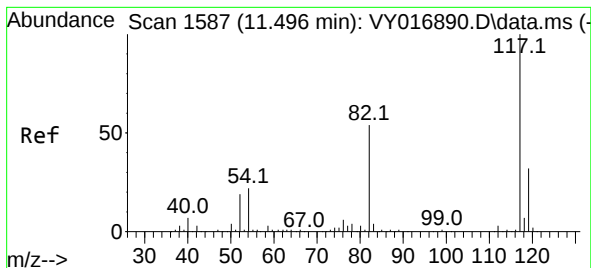
Tgt Ion: 98 Resp: 187168  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 37.029 ug/l  
RT: 12.508 min Scan# 1753  
Delta R.T. 0.018 min  
Lab File: VY017020.D  
Acq: 17 Jan 2024 18:51

Tgt Ion: 95 Resp: 58344  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 160.0  
176 77.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY017020.D

Acq: 17 Jan 2024 18:51

Instrument :

MSVOA\_Y

ClientSampleId :

MR-306-25-27

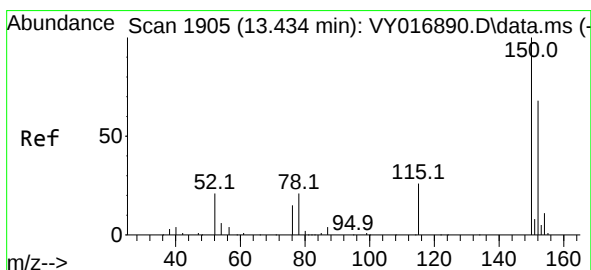
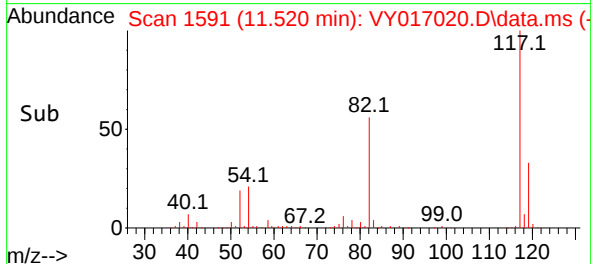
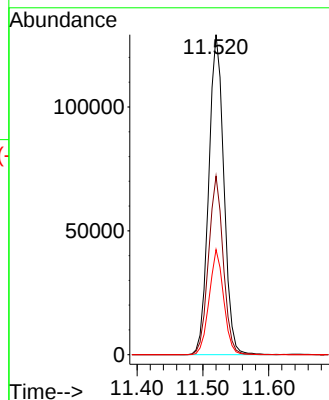
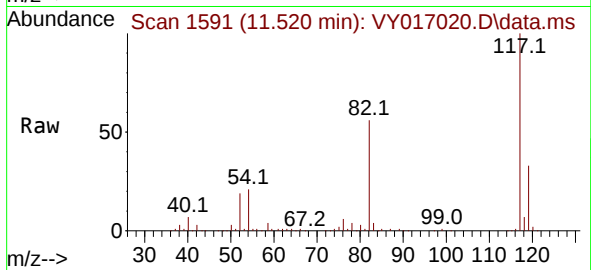
Tgt Ion:117 Resp: 207076

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 32.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.452 min Scan# 1908

Delta R.T. 0.018 min

Lab File: VY017020.D

Acq: 17 Jan 2024 18:51

Tgt Ion:152 Resp: 78278

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 158.3 0.0 344.6

