

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060523\  
 Data File : VY014005.D  
 Acq On : 05 Jun 2023 14:22  
 Operator : KP/MD  
 Sample : 02998-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PAT-2-053123

Quant Time: Jun 05 15:34:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

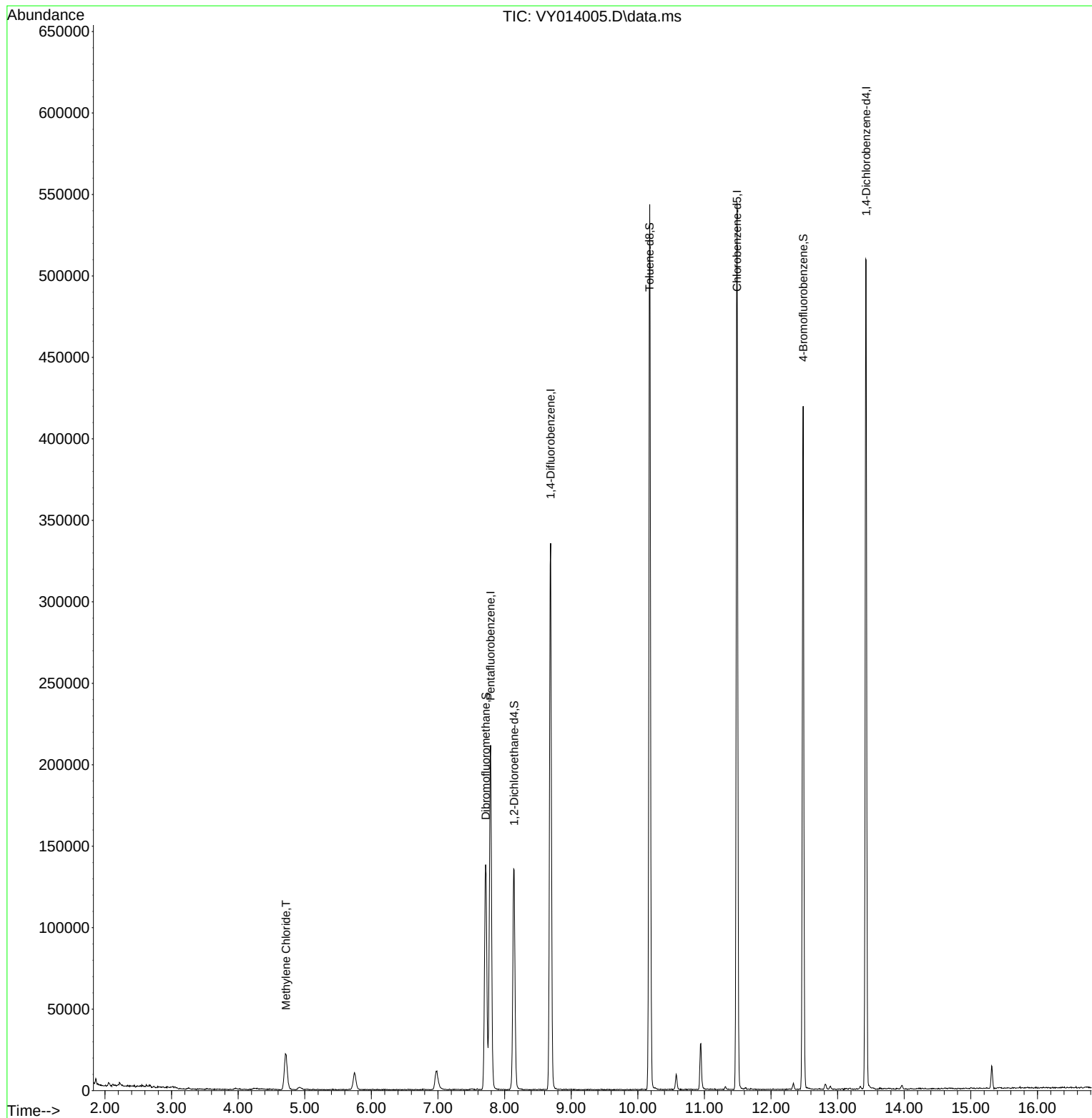
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 163961   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 280103   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 288345   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 131908   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 110377   | 50.854   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 101.700% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 96720    | 54.334   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 108.660% |
| 50) Toluene-d8              | 10.179 | 98    | 348886   | 51.382   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 102.760% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 116158   | 50.180   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 100.360% |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.716  | 84    | 16275    | 4.465    | ug/l  | 88       |
| -----                       |        |       |          |          |       |          |

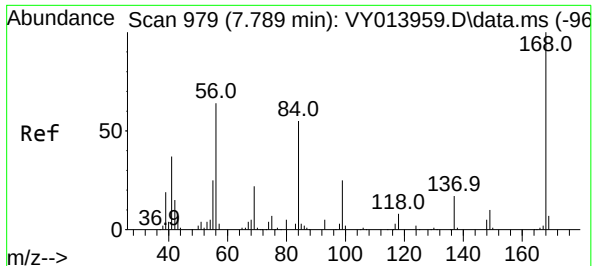
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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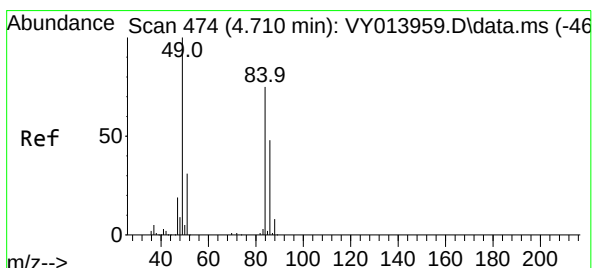
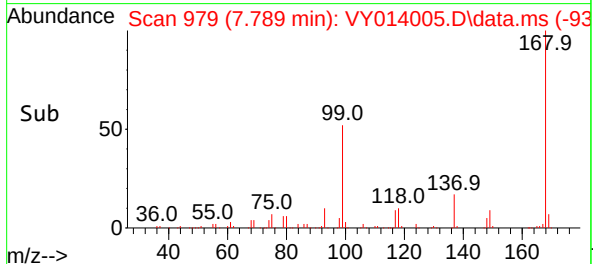
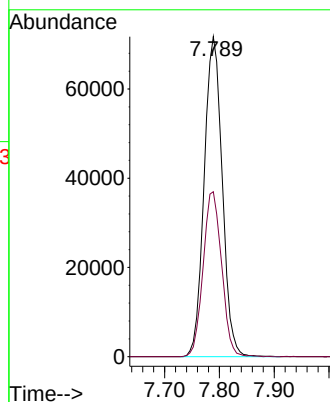
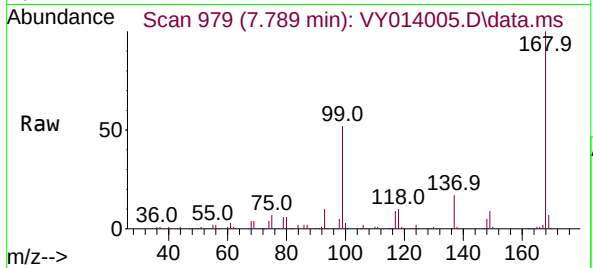




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014005.D  
Acq: 05 Jun 2023 14:22

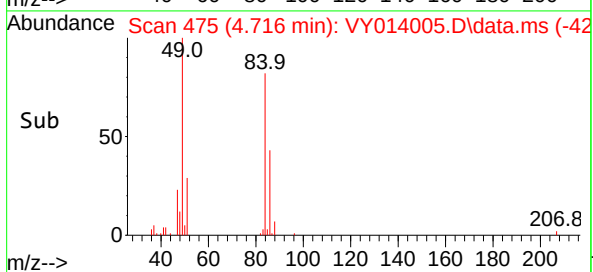
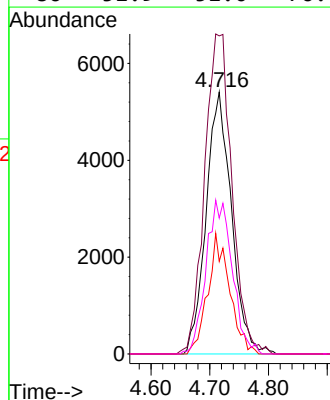
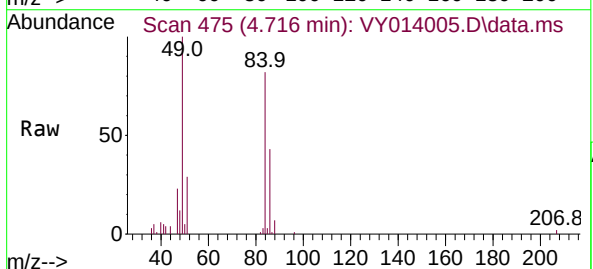
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PAT-2-053123

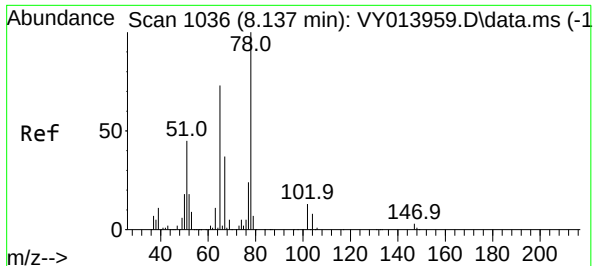
Tgt Ion:168 Resp: 163961  
Ion Ratio Lower Upper  
168 100  
99 51.5 43.4 65.0



#20  
Methylene Chloride  
Concen: 4.465 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY014005.D  
Acq: 05 Jun 2023 14:22

Tgt Ion: 84 Resp: 16275  
Ion Ratio Lower Upper  
84 100  
49 121.5 106.9 160.3  
51 35.4 33.2 49.8  
86 51.9 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 50.854 ug/l

RT: 8.142 min Scan# 110377

Delta R.T. 0.006 min

Lab File: VY014005.D

Acq: 05 Jun 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

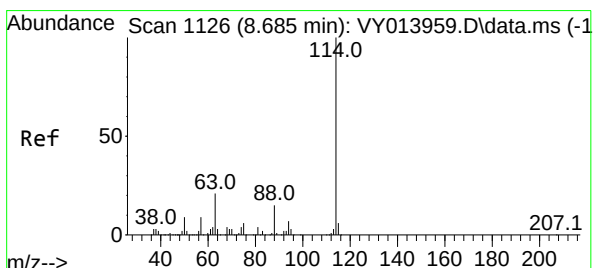
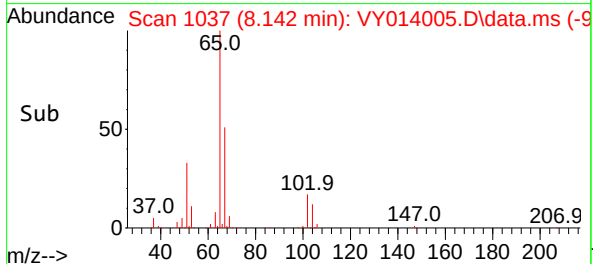
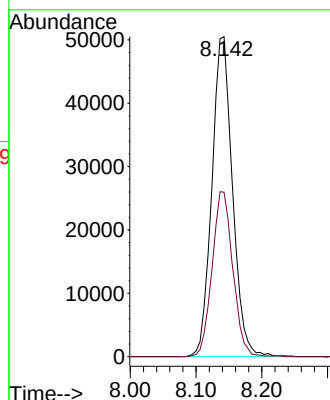
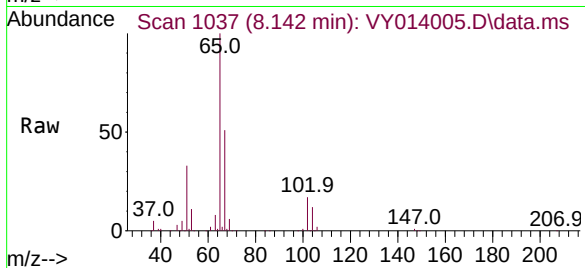
PAT-2-053123

Tgt Ion: 65 Resp: 110377

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014005.D

Acq: 05 Jun 2023 14:22

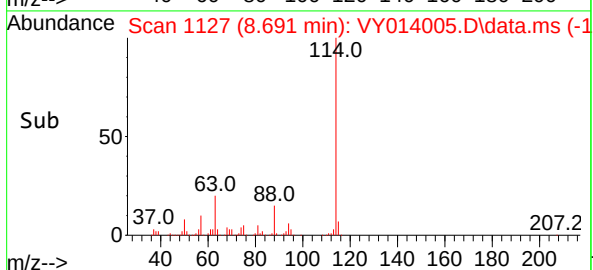
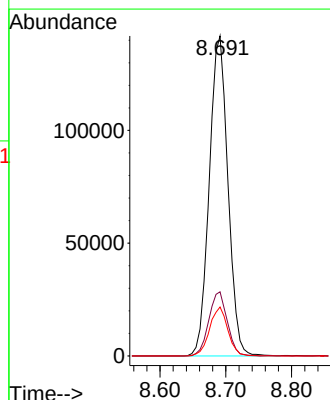
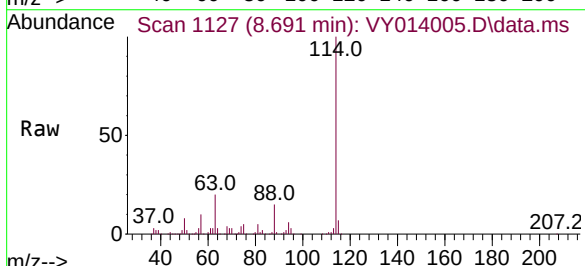
Tgt Ion: 114 Resp: 280103

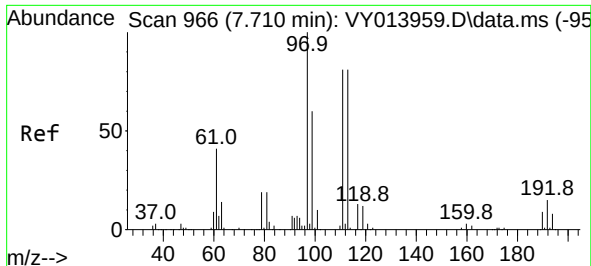
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.334 ug/l

RT: 7.716 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY014005.D

Acq: 05 Jun 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

PAT-2-053123

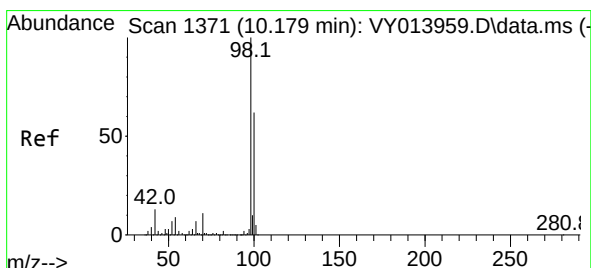
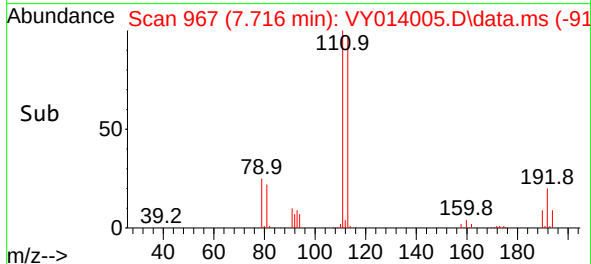
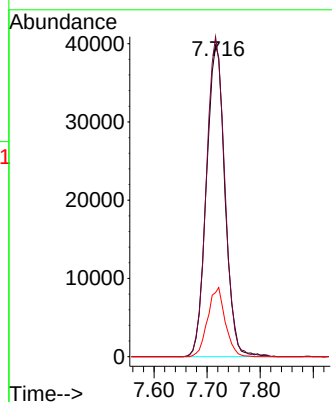
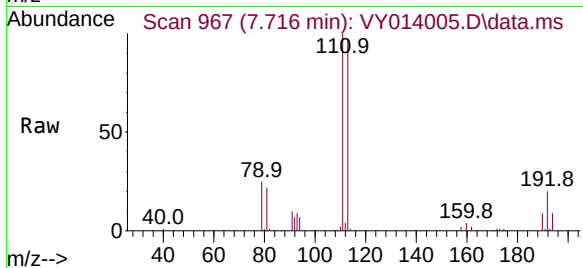
Tgt Ion:113 Resp: 96720

Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 21.0 16.9 25.3



#50

Toluene-d8

Concen: 51.382 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014005.D

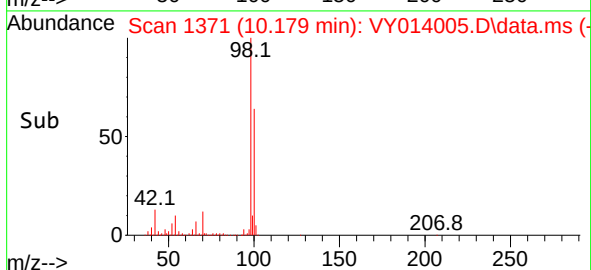
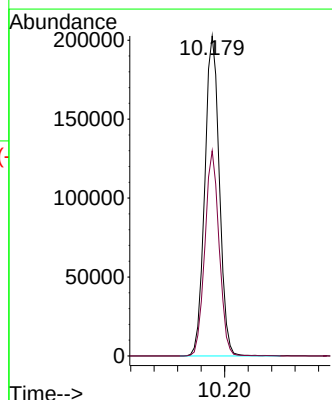
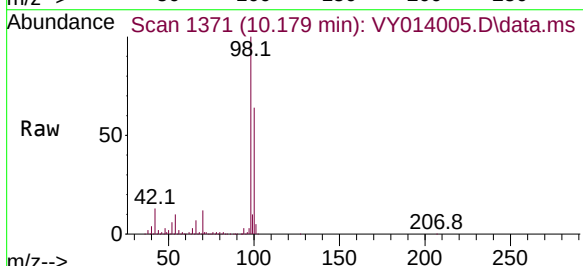
Acq: 05 Jun 2023 14:22

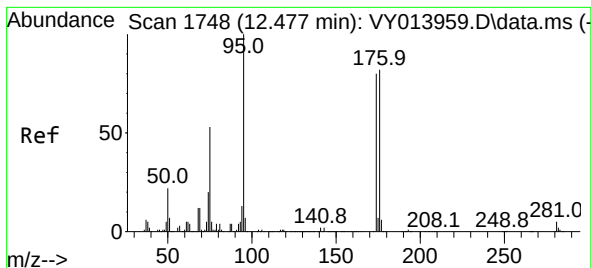
Tgt Ion: 98 Resp: 348886

Ion Ratio Lower Upper

98 100

100 62.6 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 50.180 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014005.D

Acq: 05 Jun 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

PAT-2-053123

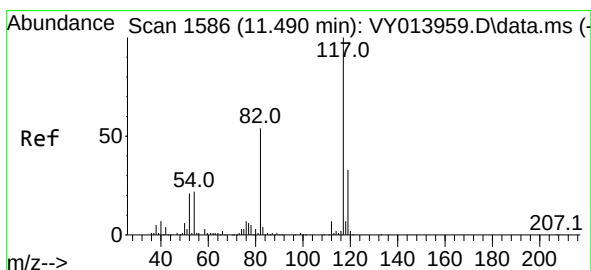
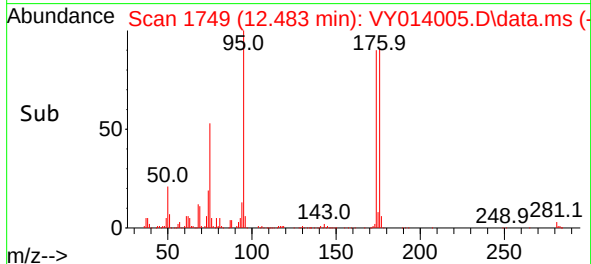
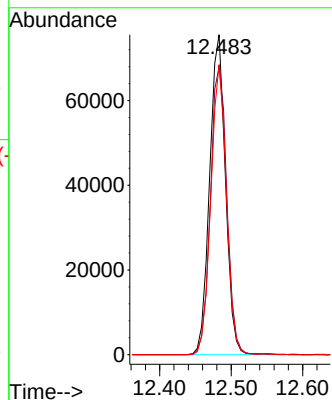
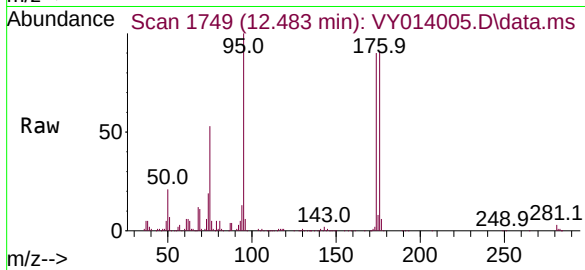
Tgt Ion: 95 Resp: 116158

Ion Ratio Lower Upper

95 100

174 93.3 0.0 178.2

176 89.0 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY014005.D

Acq: 05 Jun 2023 14:22

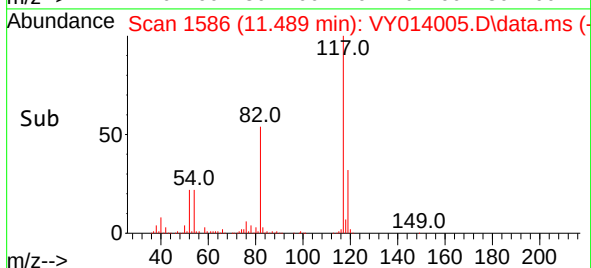
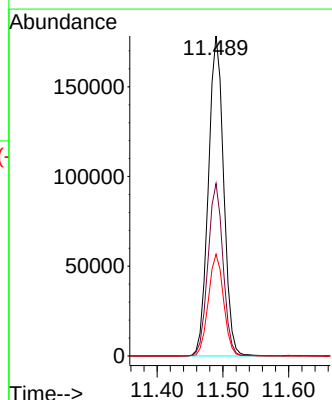
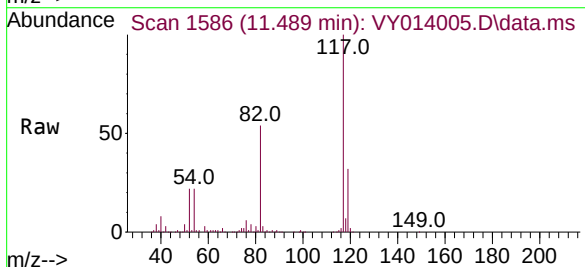
Tgt Ion: 117 Resp: 288345

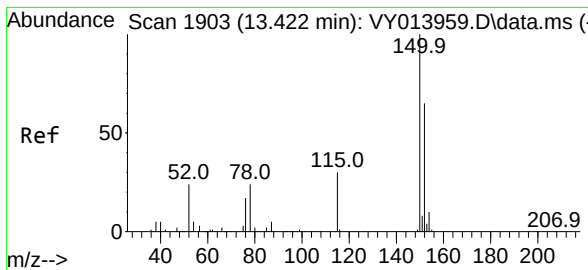
Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 31.8 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY014005.D  
 Acq: 05 Jun 2023 14:22

Instrument :  
 MSVOA\_Y  
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Tgt Ion:152 Resp: 131908  
 Ion Ratio Lower Upper  
 152 100  
 115 56.9 28.8 86.5  
 150 157.8 0.0 348.8

