

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050423\  
 Data File : VY013600.D  
 Acq On : 04 May 2023 15:16  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: May 05 00:59:55 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      | 7.795  | 168  | 224354   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 382099   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 371043   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 170776   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 162188   | 65.946   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 131.900% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 131296   | 54.633   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.260% |
| 50) Toluene-d8              | 10.179 | 98    | 464098   | 54.285   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 108.580% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 154476   | 53.597   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 107.200% |

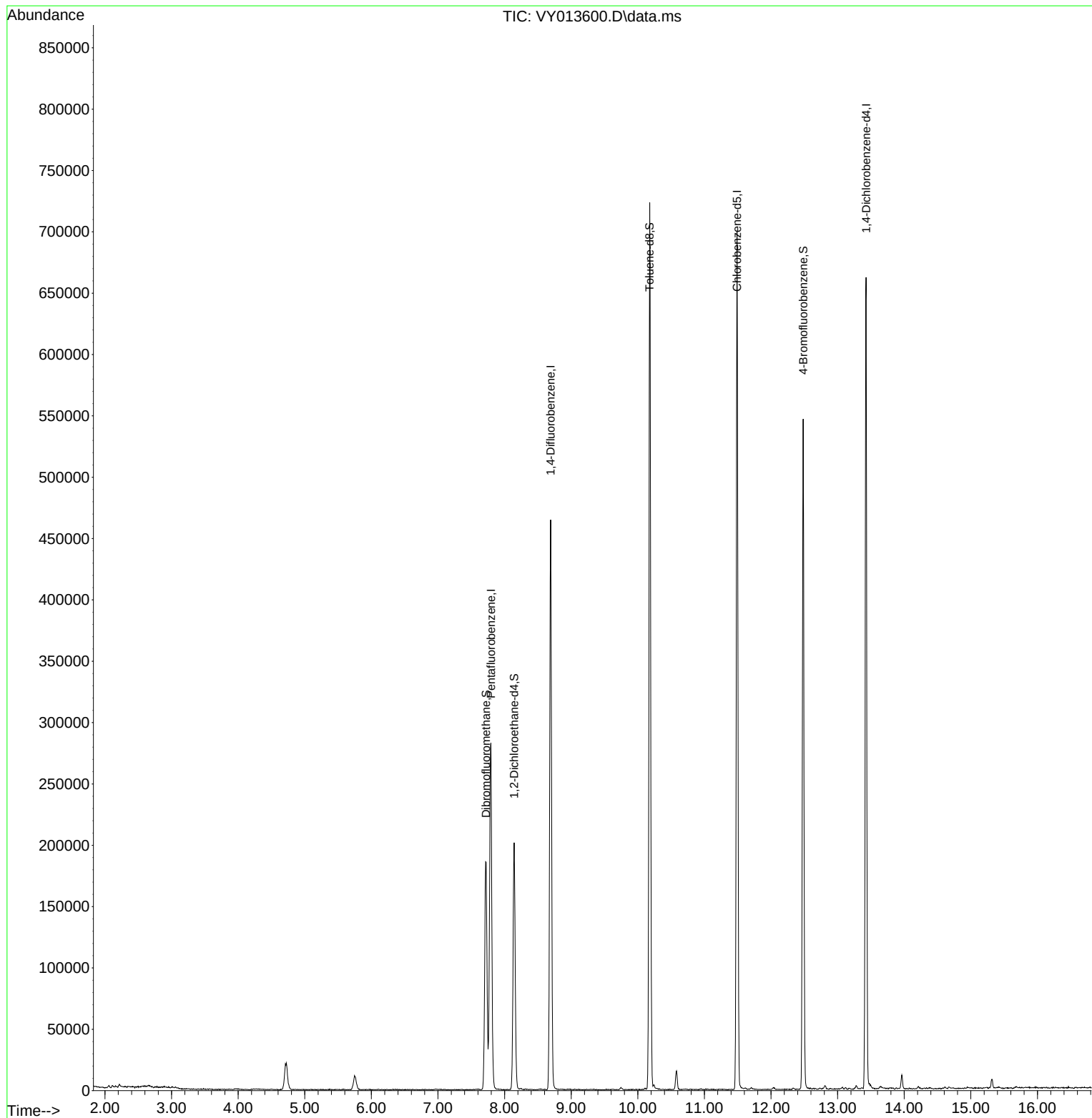
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

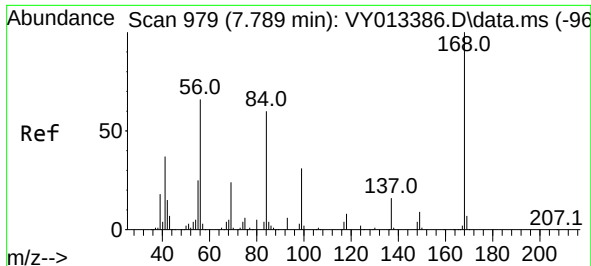
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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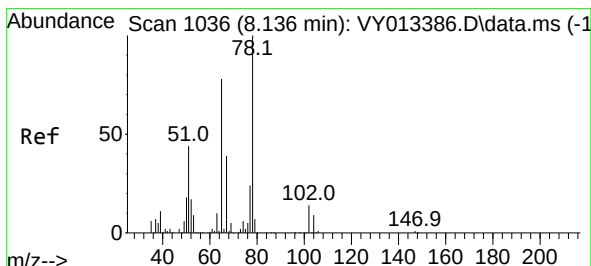
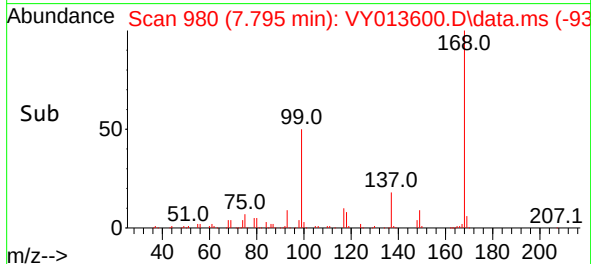
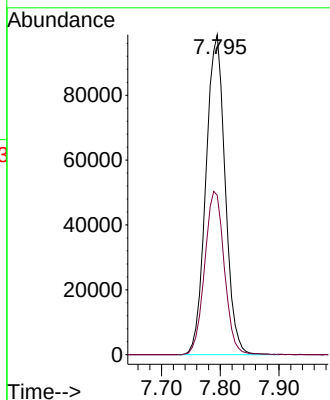
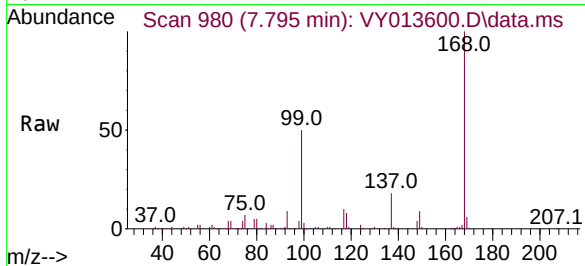




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

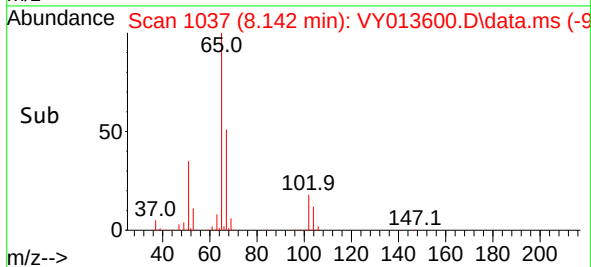
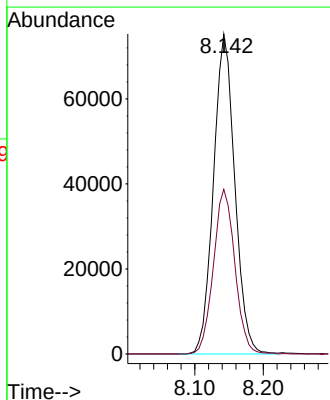
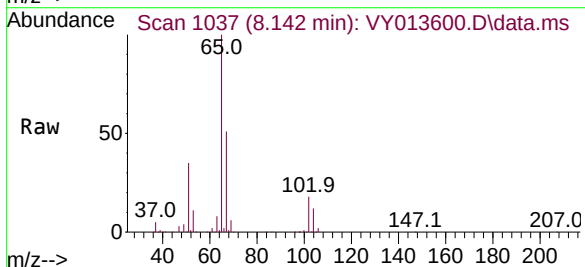
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

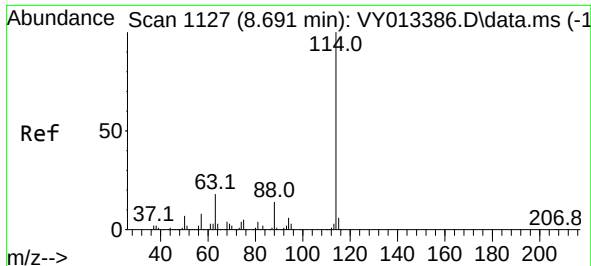
Tgt Ion:168 Resp: 224354  
Ion Ratio Lower Upper  
168 100  
99 49.8 41.8 62.6



#33  
1,2-Dichloroethane-d4  
Concen: 65.946 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 65 Resp: 162188  
Ion Ratio Lower Upper  
65 100  
67 51.8 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: VY013600.D

Acq: 04 May 2023 15:16

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

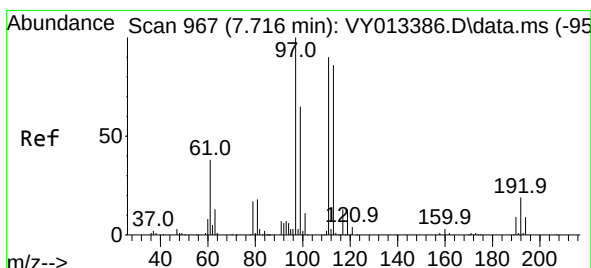
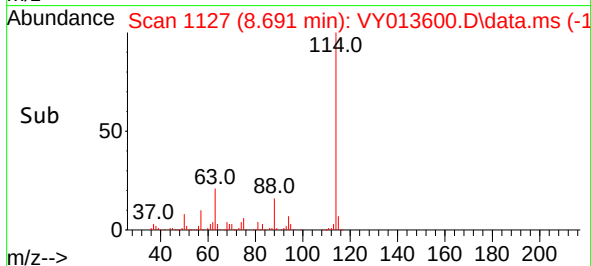
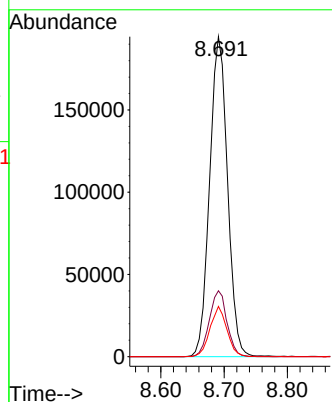
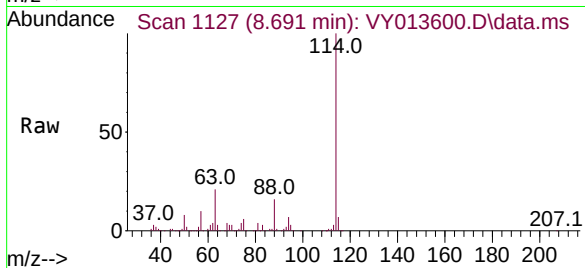
Tgt Ion:114 Resp: 382099

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.6

88 15.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 54.633 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013600.D

Acq: 04 May 2023 15:16

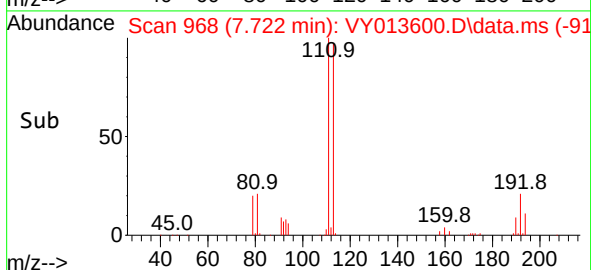
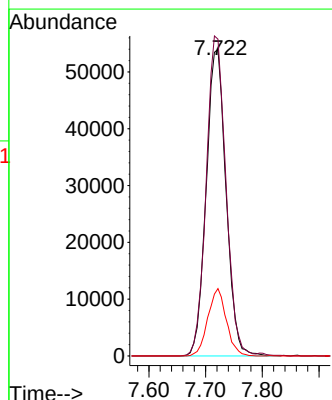
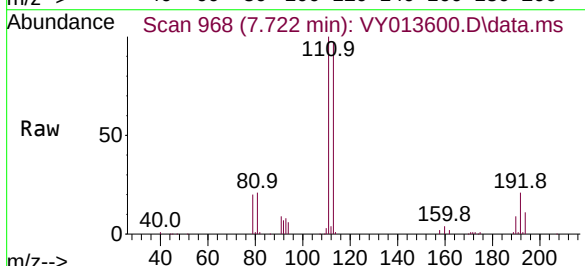
Tgt Ion:113 Resp: 131296

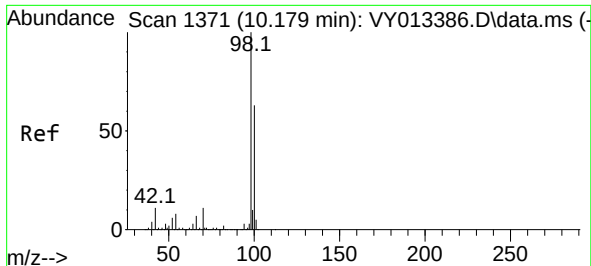
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.5 16.7 25.1

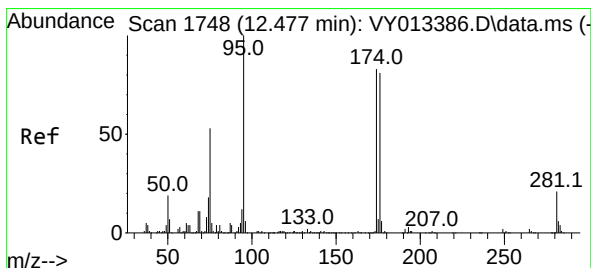
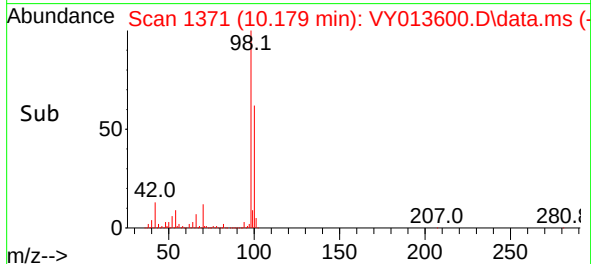
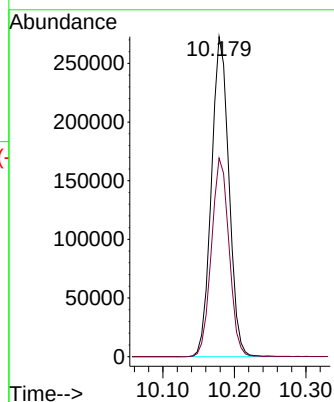
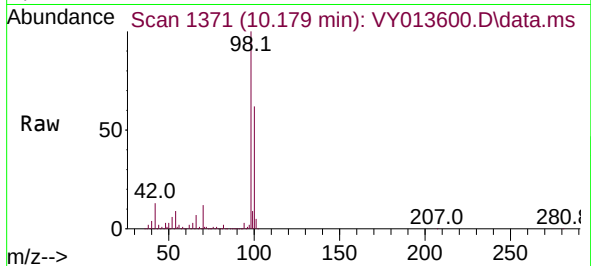




#50  
Toluene-d8  
Concen: 54.285 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

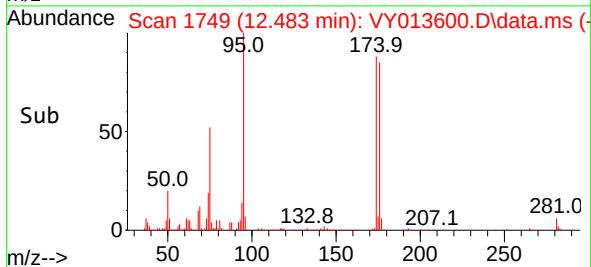
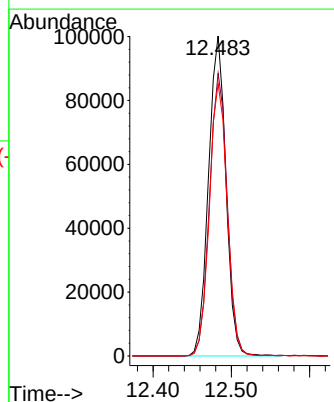
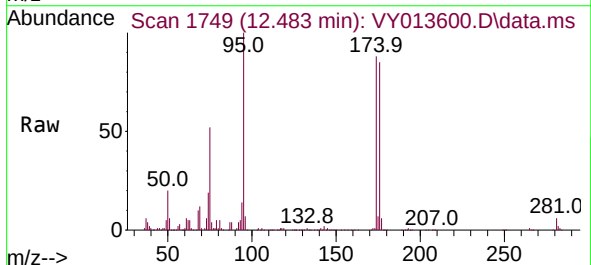
Instrument :  
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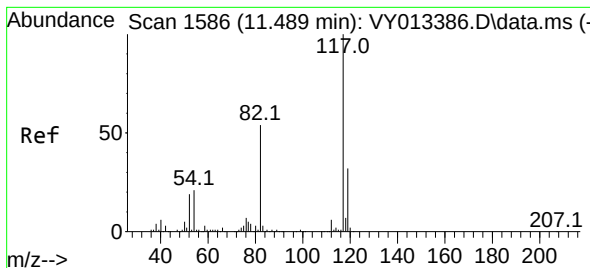
Tgt Ion: 98 Resp: 464098  
Ion Ratio Lower Upper  
98 100  
100 62.3 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 53.597 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013600.D  
Acq: 04 May 2023 15:16

Tgt Ion: 95 Resp: 154476  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 182.0  
176 87.2 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: VY013600.D

Acq: 04 May 2023 15:16

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

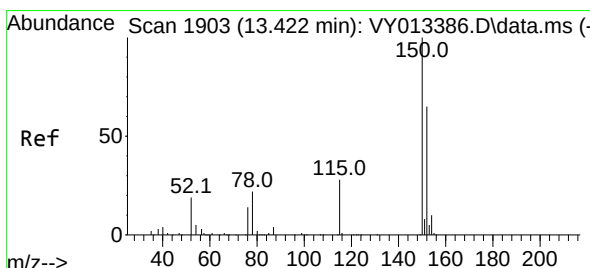
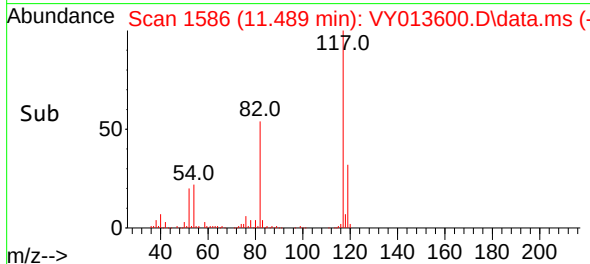
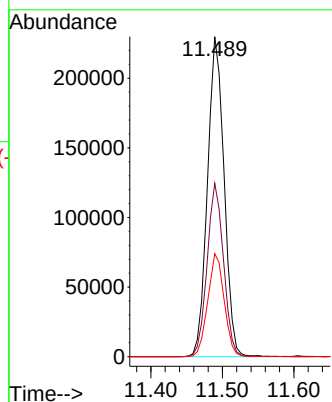
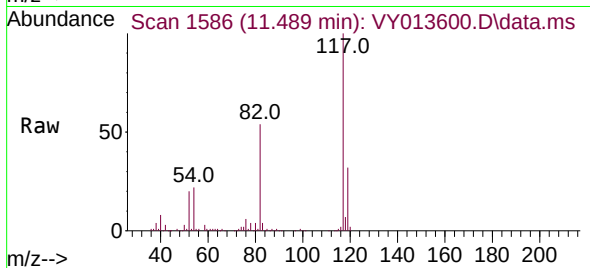
Tgt Ion:117 Resp: 371043

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.6

119 32.2 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: VY013600.D

Acq: 04 May 2023 15:16

Tgt Ion:152 Resp: 170776

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

150 156.2 0.0 352.0

