

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121522\  
 Data File : VY011875.D  
 Acq On : 15 Dec 2022 16:30  
 Operator : KP/MD  
 Sample : N6038-21  
 Misc : 3.84g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB-39-(3-5)

Quant Time: Dec 16 00:15:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120922S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 10 04:19:59 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 289265   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 493200   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 427552   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 187837   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 107349   | 54.849   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.700% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 119640   | 54.987   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.980% |
| 50) Toluene-d8              | 10.179 | 98    | 336008   | 46.276   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 92.560%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 159749   | 56.457   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.920% |

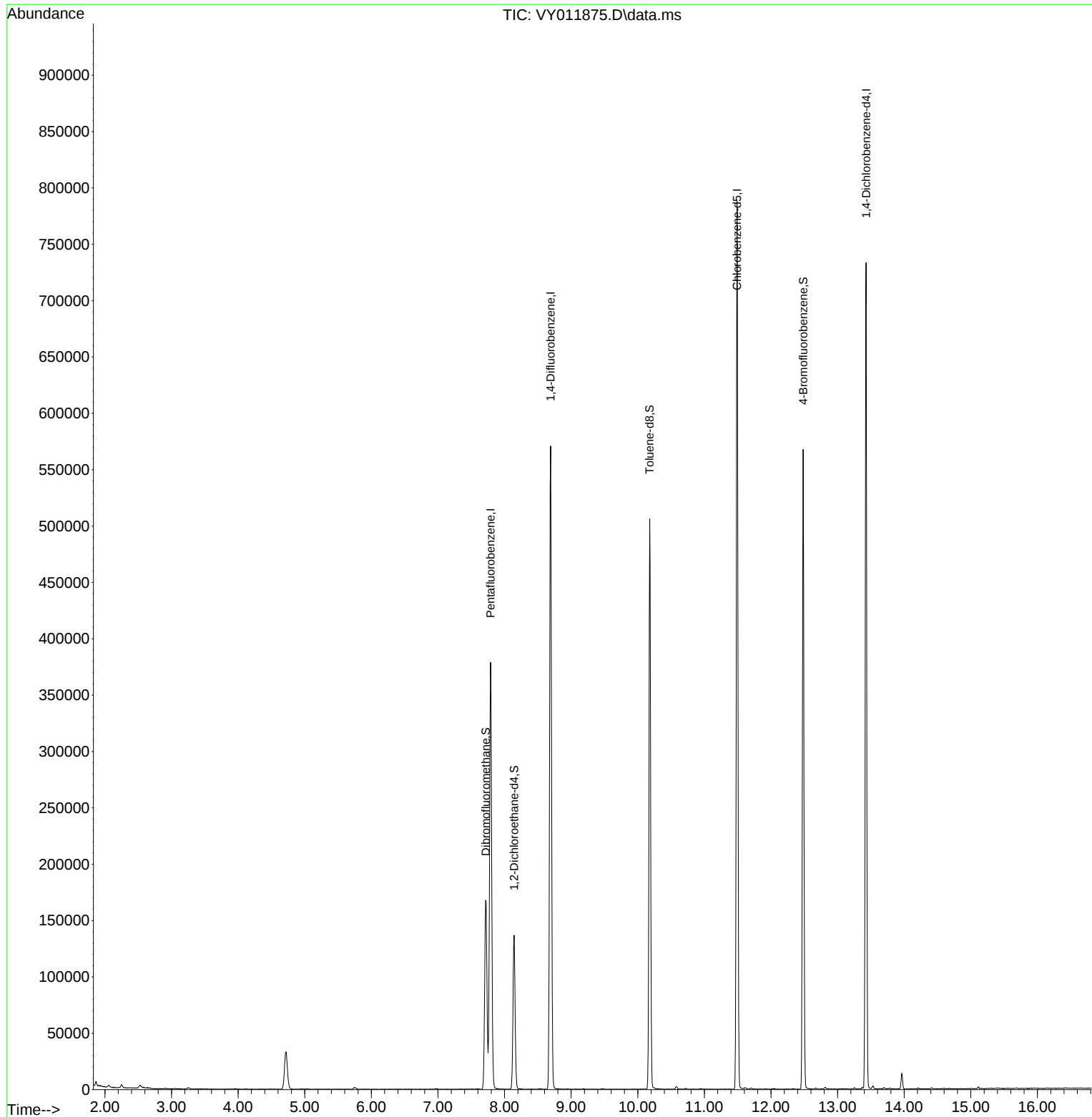
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

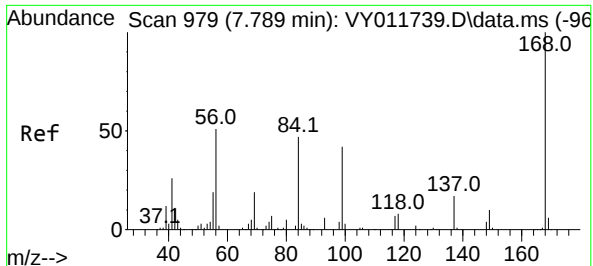
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 10 04:19:59 2022  
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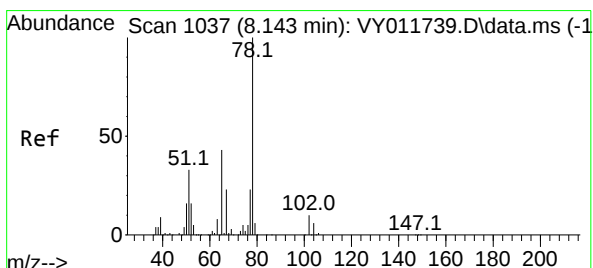
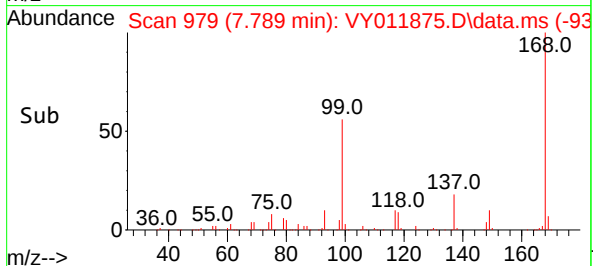
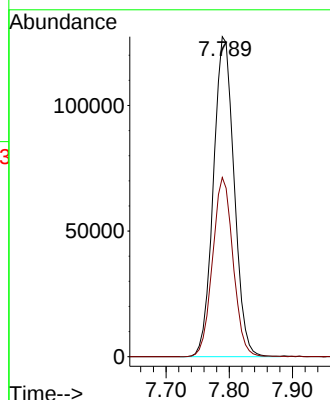
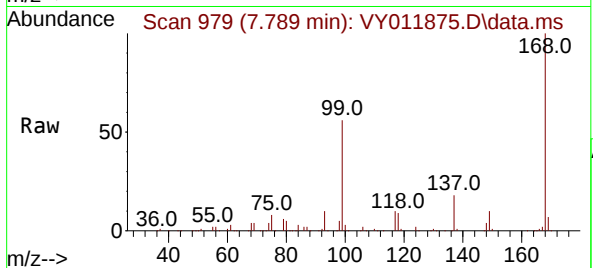




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011875.D  
Acq: 15 Dec 2022 16:30

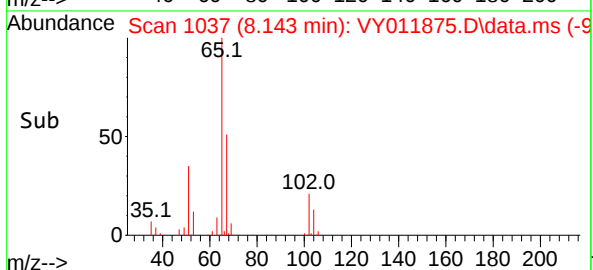
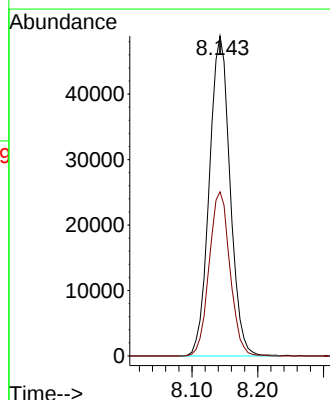
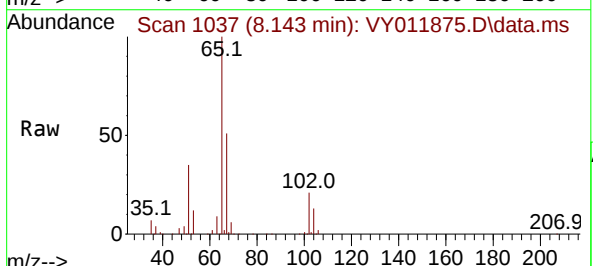
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-39-(3-5)

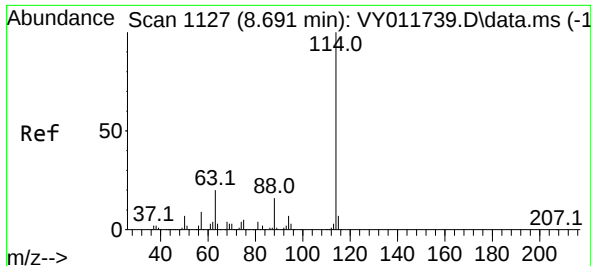
Tgt Ion:168 Resp: 289265  
Ion Ratio Lower Upper  
168 100  
99 56.0 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.849 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY011875.D  
Acq: 15 Dec 2022 16:30

Tgt Ion: 65 Resp: 107349  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 103.2

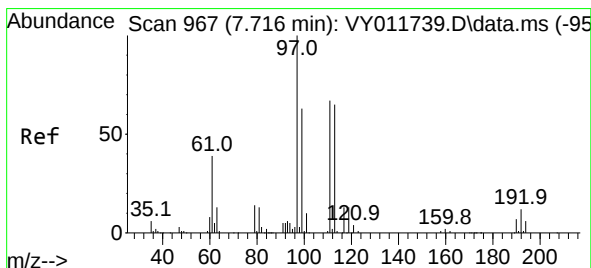
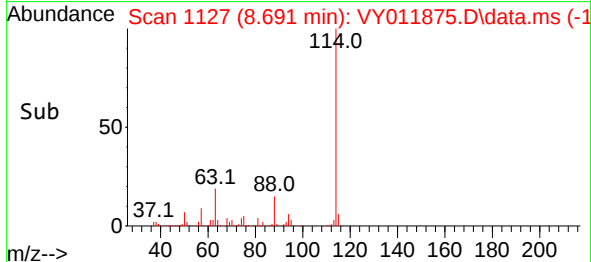
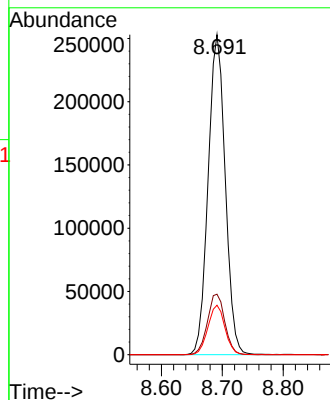
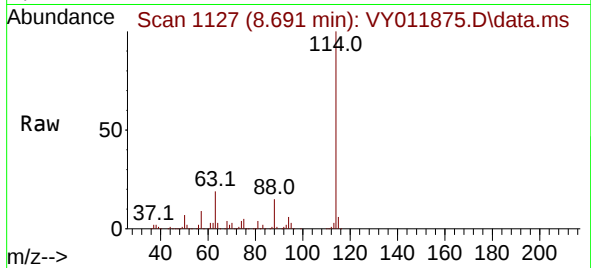




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY011875.D  
 Acq: 15 Dec 2022 16:30

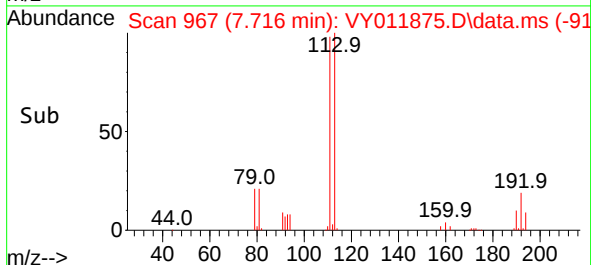
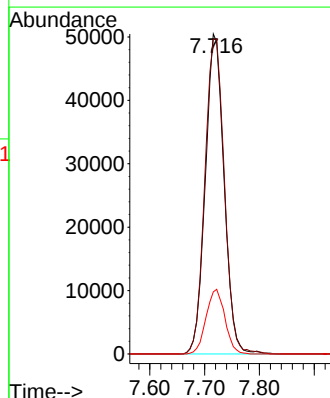
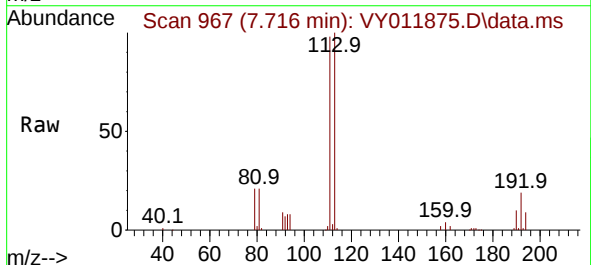
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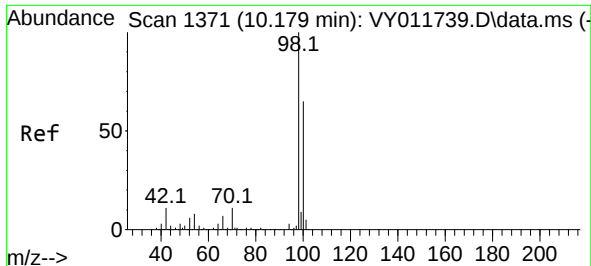
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 493200 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.9  | 0.0   | 39.6   |
| 88       | 15.5  | 0.0   | 32.2   |



#35  
 Dibromofluoromethane  
 Concen: 54.987 ug/l  
 RT: 7.716 min Scan# 967  
 Delta R.T. -0.000 min  
 Lab File: VY011875.D  
 Acq: 15 Dec 2022 16:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 119640 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.6 | 83.0  | 124.4  |
| 192      | 20.2  | 16.0  | 24.0   |

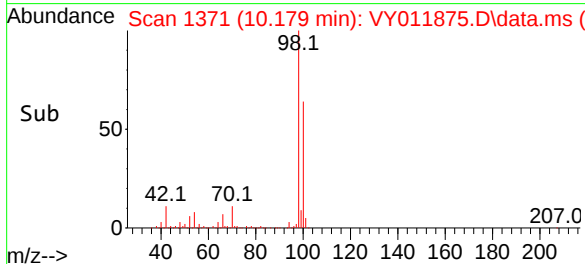
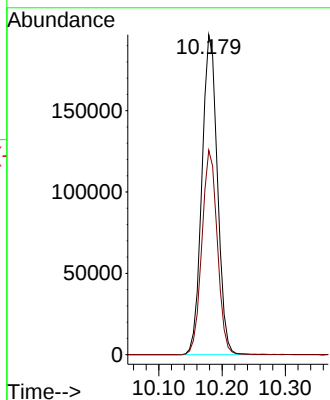
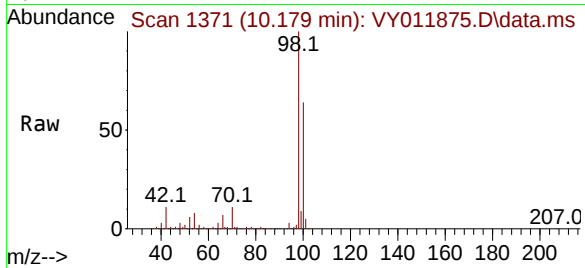




#50  
Toluene-d8  
Concen: 46.276 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011875.D  
Acq: 15 Dec 2022 16:30

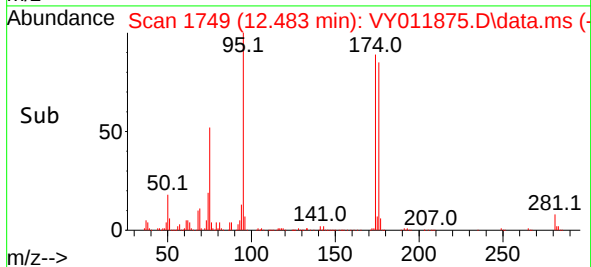
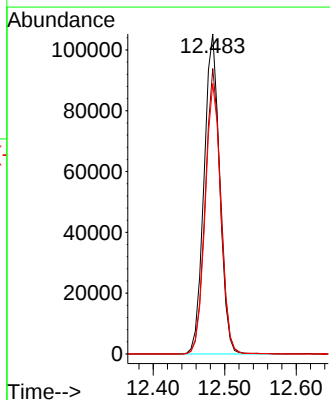
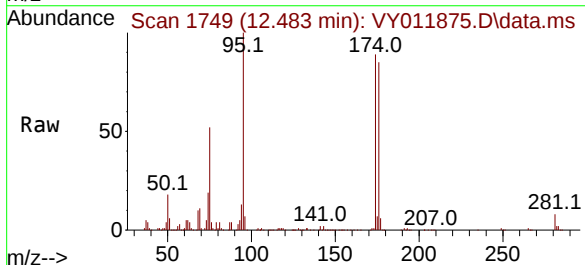
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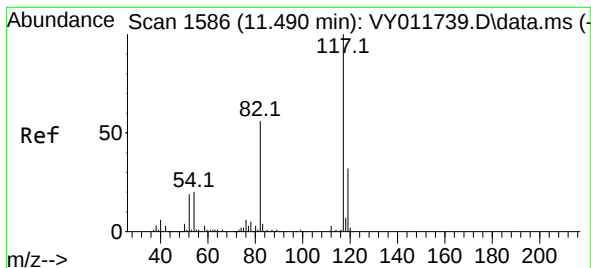
Tgt Ion: 98 Resp: 336008  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 56.457 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011875.D  
Acq: 15 Dec 2022 16:30

Tgt Ion: 95 Resp: 159749  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 172.0  
176 84.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY011875.D

Acq: 15 Dec 2022 16:30

Instrument :

MSVOA\_Y

ClientSampleId :

RB-39-(3-5)

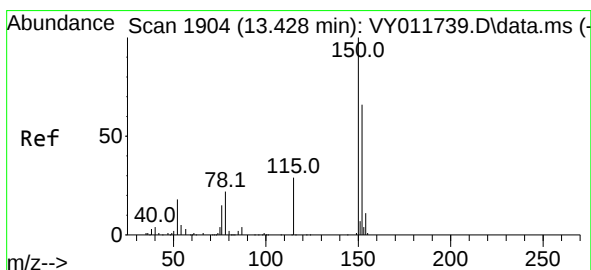
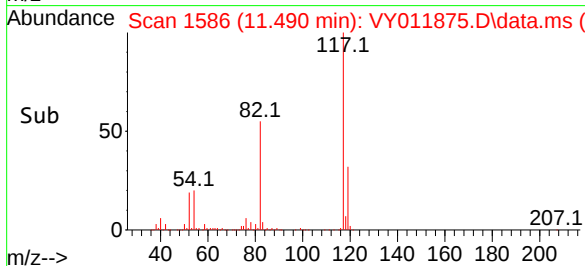
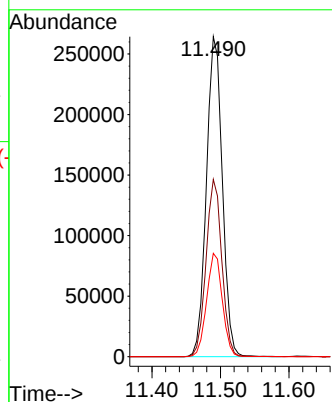
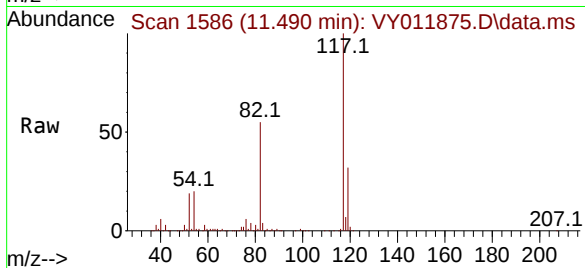
Tgt Ion:117 Resp: 427552

Ion Ratio Lower Upper

117 100

82 55.4 44.8 67.2

119 32.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011875.D

Acq: 15 Dec 2022 16:30

Tgt Ion:152 Resp: 187837

Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

150 157.0 0.0 342.6

