

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121422\  
 Data File : VY011847.D  
 Acq On : 14 Dec 2022 15:56  
 Operator : KP/MD  
 Sample : N6037-21RE  
 Misc : 3.93g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB-27-(2.5-4.5)RE

Quant Time: Dec 15 01:21:16 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  | 82029    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 127952   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 98325    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 28296    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 31870    | 57.671   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.340% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 32147    | 57.101   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 114.200% |
| 50) Toluene-d8              | 10.179 | 98    | 78605    | 40.976   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 81.960%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 22152    | 27.836   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 55.680%  |

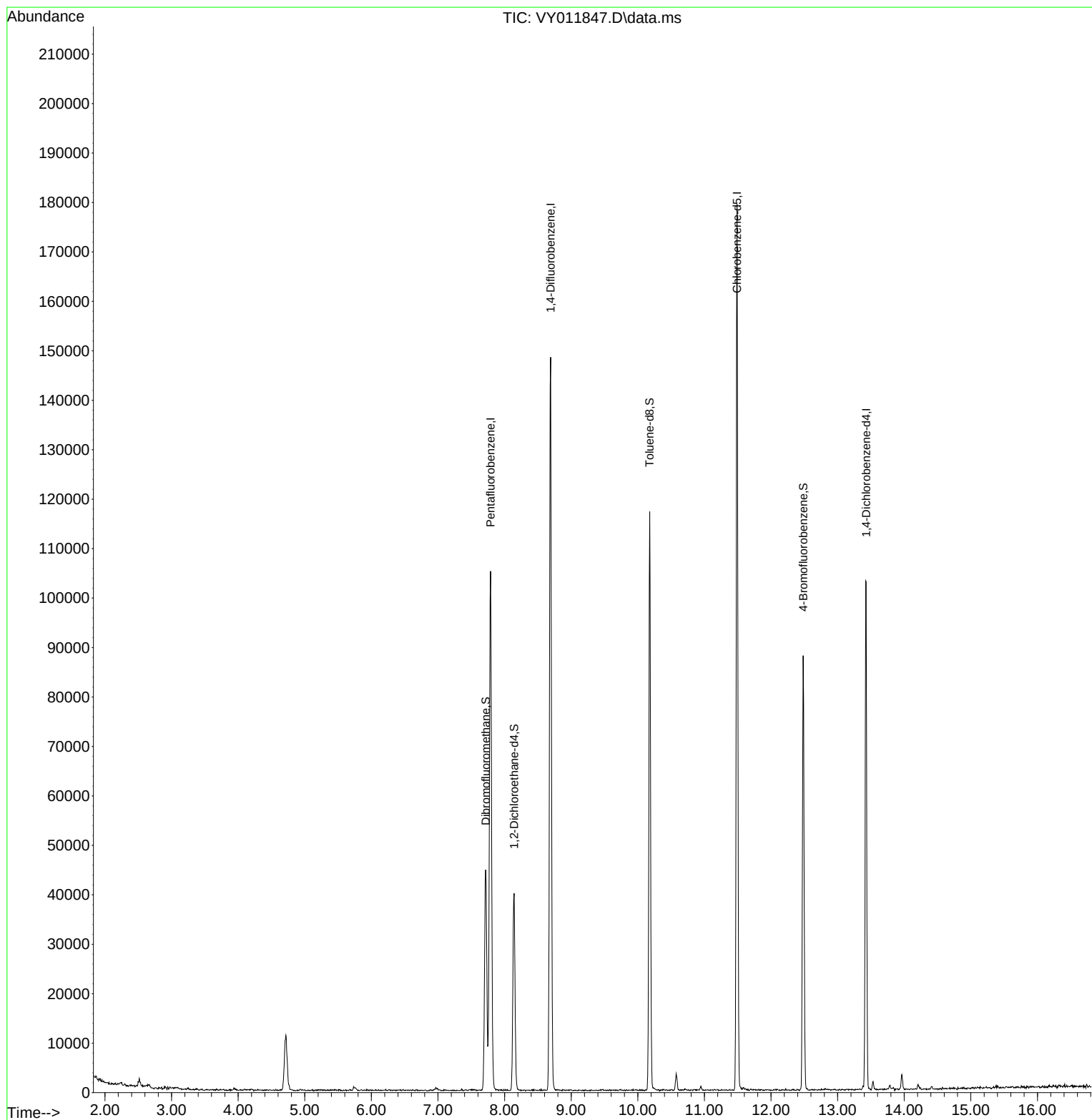
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

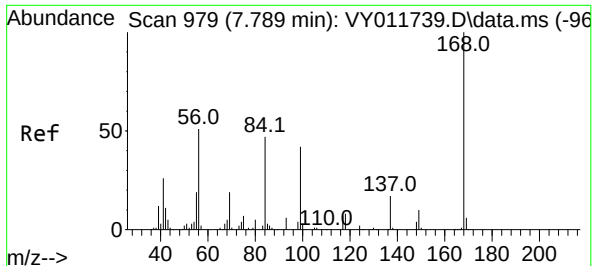
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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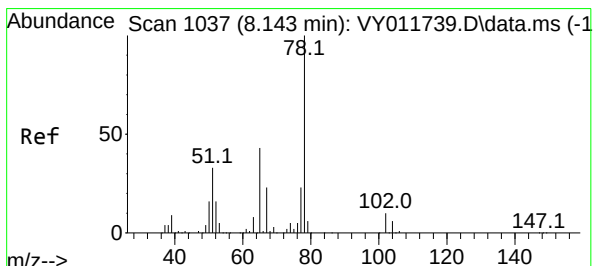
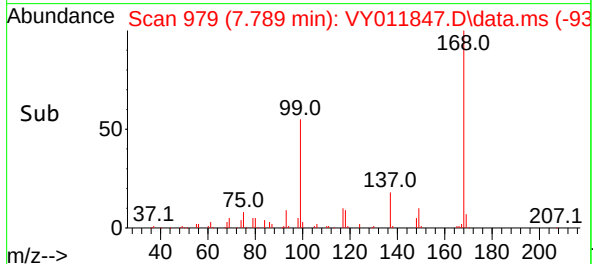
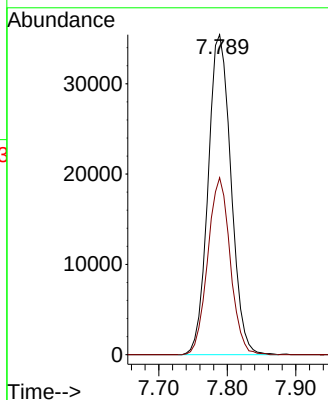
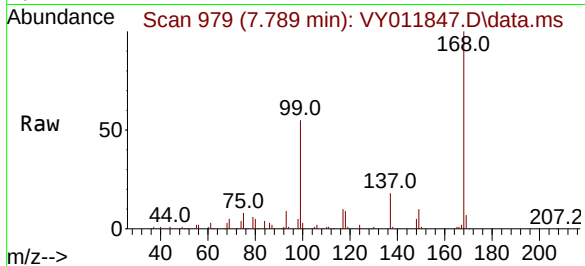




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011847.D  
Acq: 14 Dec 2022 15:56

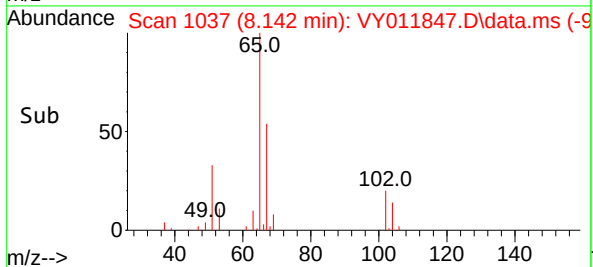
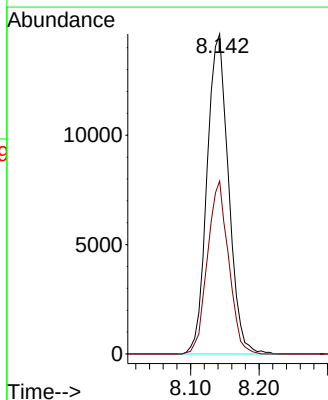
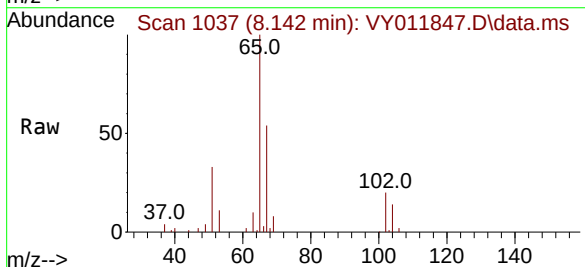
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-27-(2.5-4.5)RE

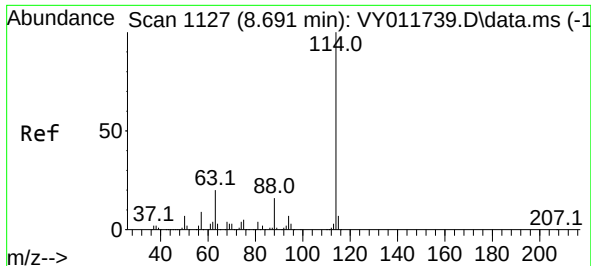
Tgt Ion:168 Resp: 82029  
Ion Ratio Lower Upper  
168 100  
99 55.3 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 57.671 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011847.D  
Acq: 14 Dec 2022 15:56

Tgt Ion: 65 Resp: 31870  
Ion Ratio Lower Upper  
65 100  
67 53.2 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: VY011847.D

Acq: 14 Dec 2022 15:56

Instrument :

MSVOA\_Y

ClientSampleId :

RB-27-(2.5-4.5)RE

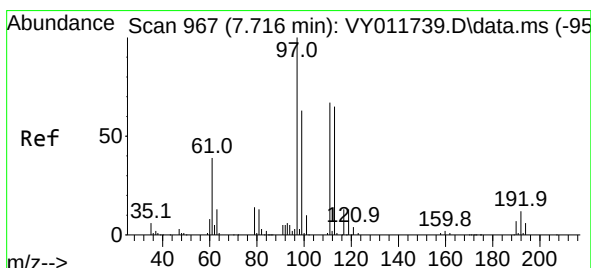
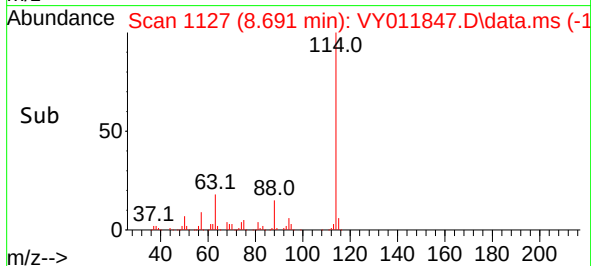
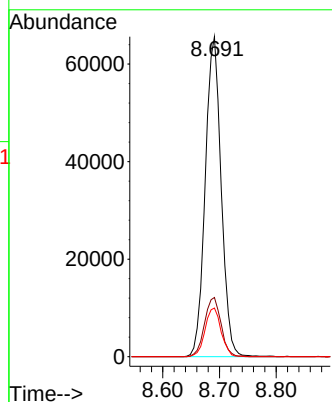
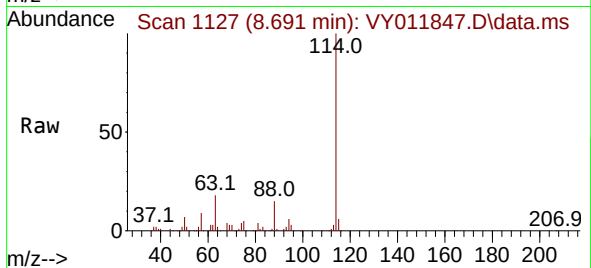
Tgt Ion:114 Resp: 127952

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.101 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

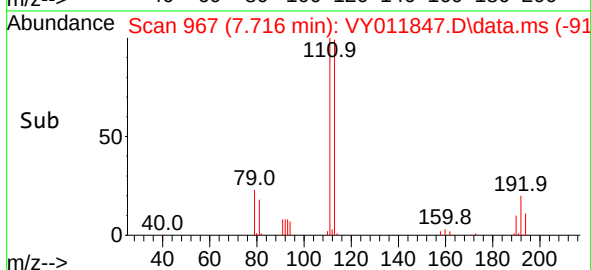
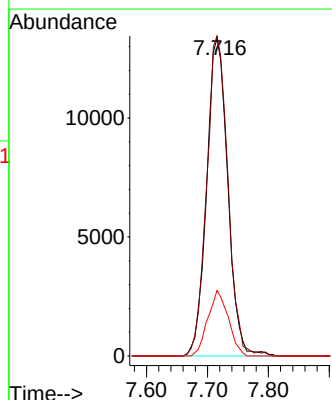
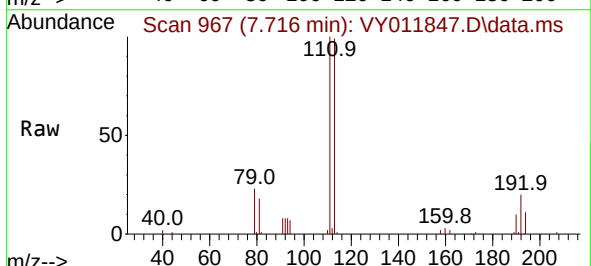
Tgt Ion:113 Resp: 32147

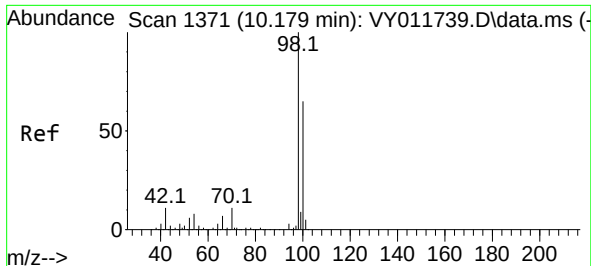
Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.4

192 19.9 16.0 24.0

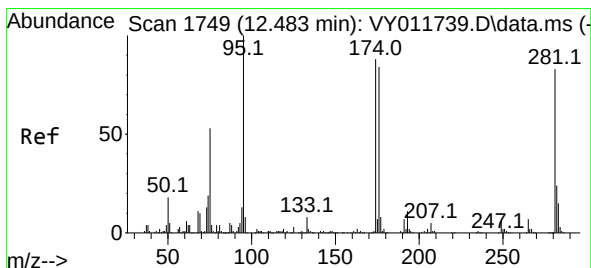
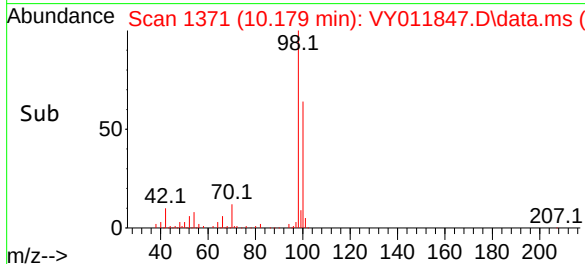
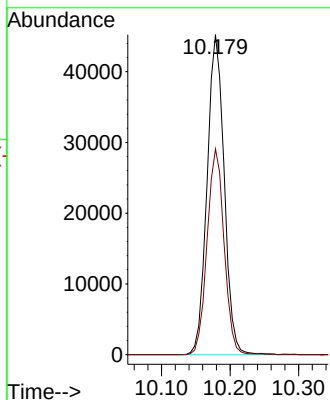
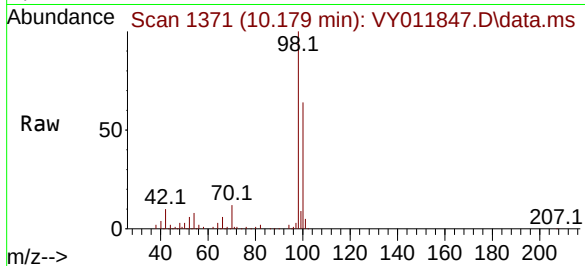




#50  
Toluene-d8  
Concen: 40.976 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011847.D  
Acq: 14 Dec 2022 15:56

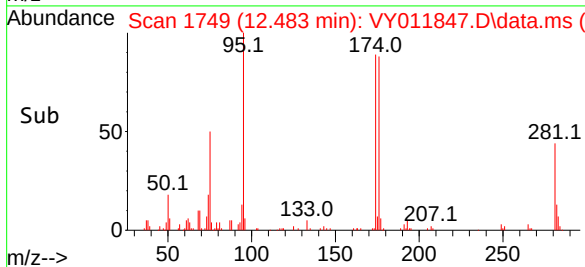
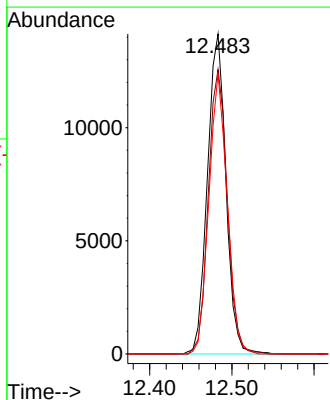
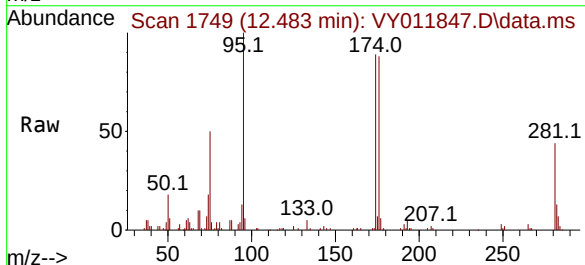
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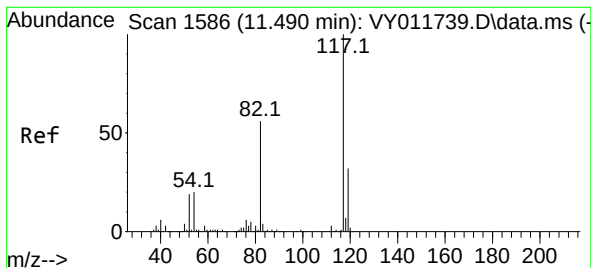
Tgt Ion: 98 Resp: 78605  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 27.836 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011847.D  
Acq: 14 Dec 2022 15:56

Tgt Ion: 95 Resp: 22152  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 172.0  
176 86.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

Instrument :

MSVOA\_Y

ClientSampleId :

RB-27-(2.5-4.5)RE

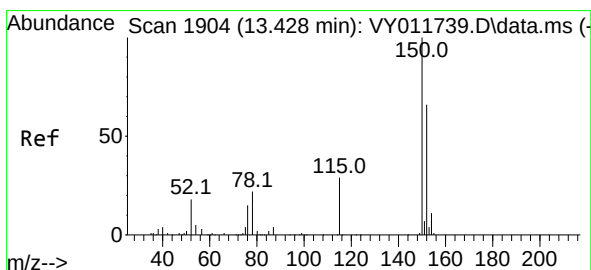
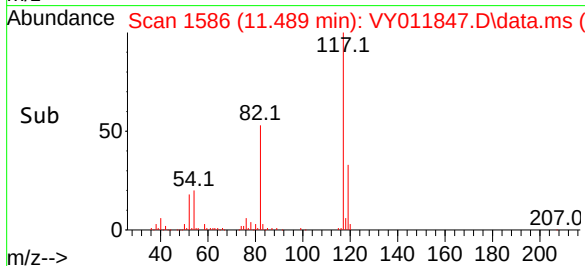
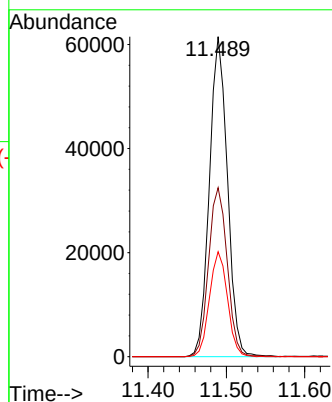
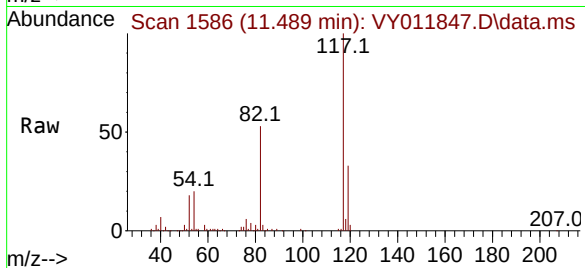
Tgt Ion:117 Resp: 98325

Ion Ratio Lower Upper

117 100

82 52.8 44.8 67.2

119 32.8 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: VY011847.D

Acq: 14 Dec 2022 15:56

Tgt Ion:152 Resp: 28296

Ion Ratio Lower Upper

152 100

115 56.0 29.1 87.3

150 155.8 0.0 342.6

