

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040424\  
 Data File : VY017856.D  
 Acq On : 04 Apr 2024 17:02  
 Operator : SY/MD  
 Sample : P1996-04  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP2

Quant Time: Apr 05 00:48:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 05:58:13 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 6419     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 8401     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 5057     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 870      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 2170     | 39.067   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 78.140% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 1510     | 31.105   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 62.220% |
| 50) Toluene-d8              | 10.185 | 98    | 8251     | 45.501   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.000% |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 1067     | 19.340   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 38.680% |

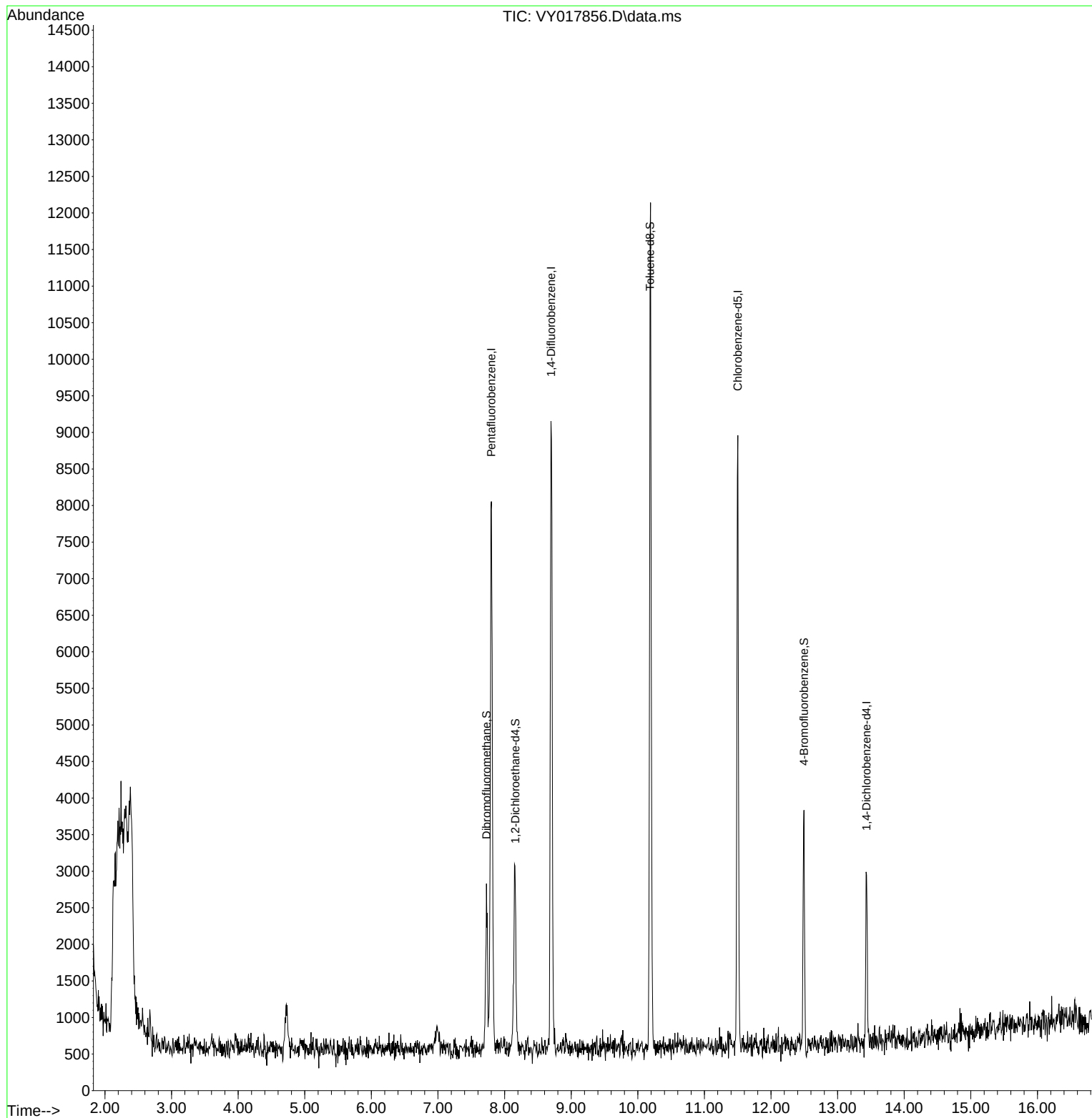
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

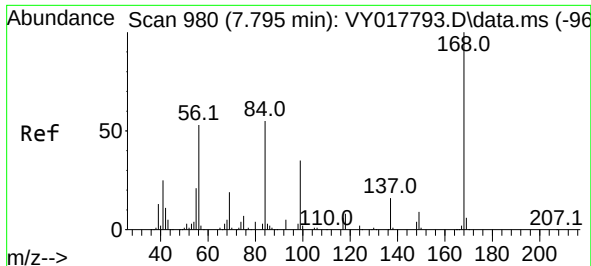
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 05:58:13 2024  
Response via : Initial Calibration

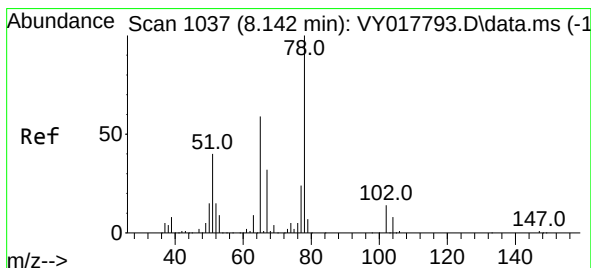
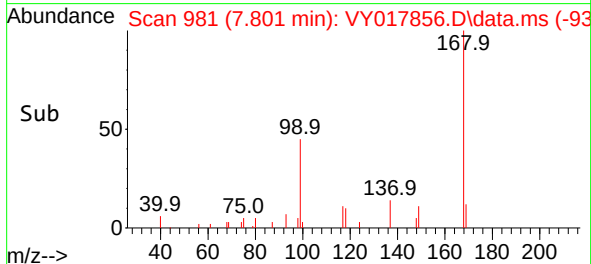
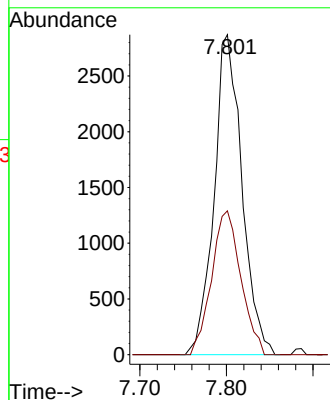
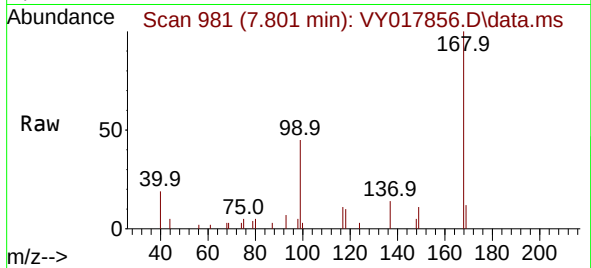




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017856.D  
Acq: 04 Apr 2024 17:02

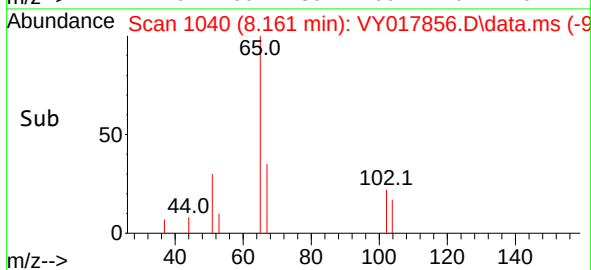
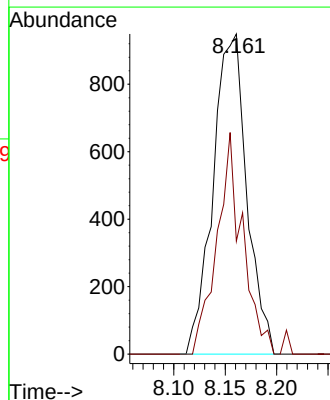
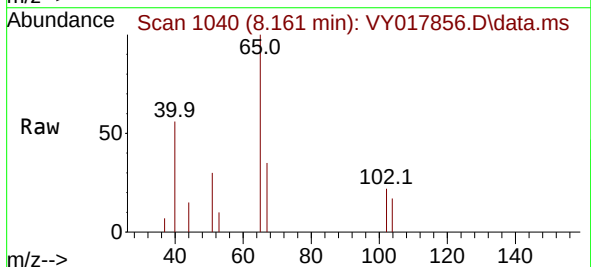
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2

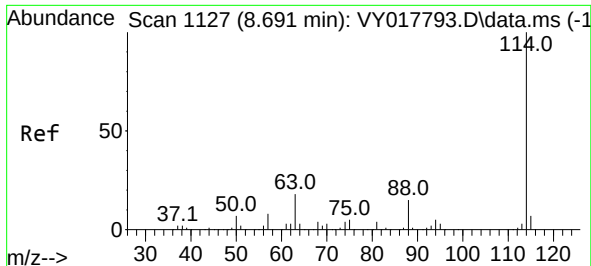
Tgt Ion:168 Resp: 6419  
Ion Ratio Lower Upper  
168 100  
99 45.0 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 39.067 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.018 min  
Lab File: VY017856.D  
Acq: 04 Apr 2024 17:02

Tgt Ion: 65 Resp: 2170  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017856.D

Acq: 04 Apr 2024 17:02

Instrument :

MSVOA\_Y

ClientSampleId :

TP2

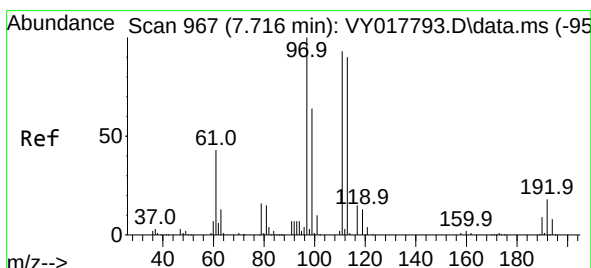
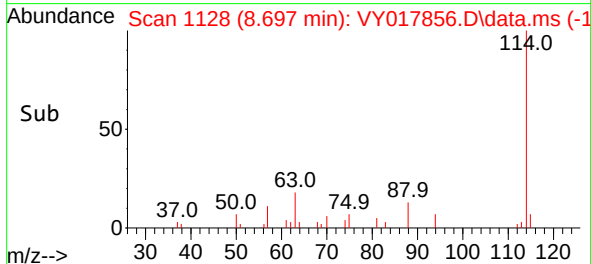
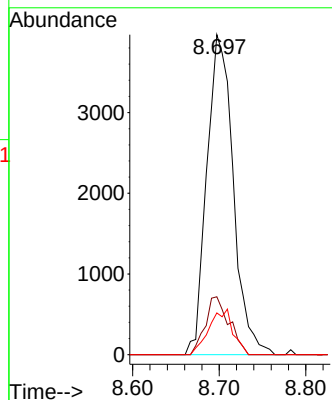
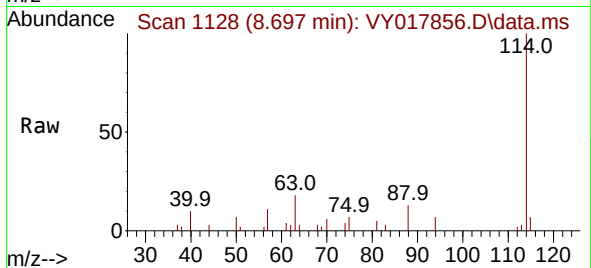
Tgt Ion:114 Resp: 8401

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 31.105 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY017856.D

Acq: 04 Apr 2024 17:02

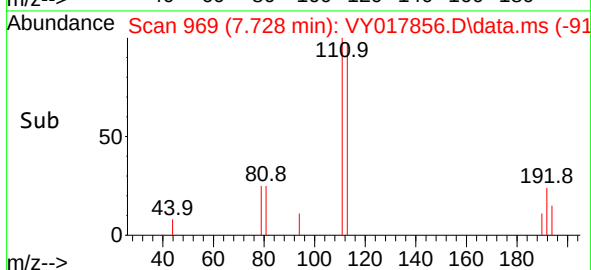
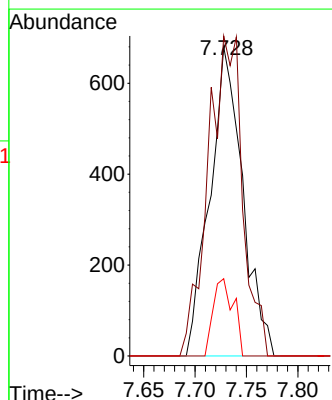
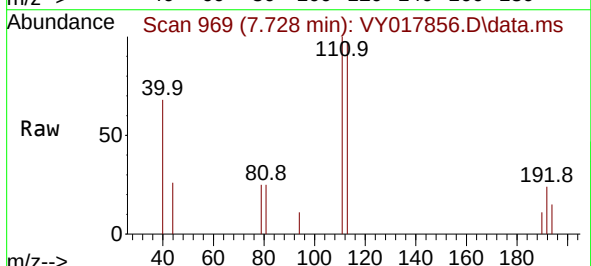
Tgt Ion:113 Resp: 1510

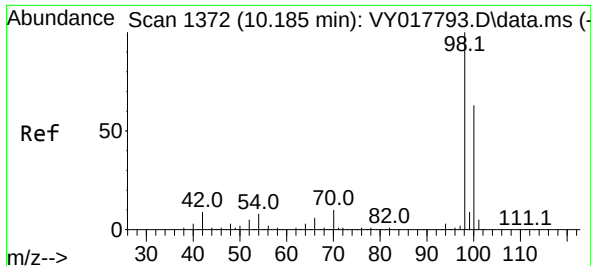
Ion Ratio Lower Upper

113 100

111 108.6 82.2 123.4

192 15.4 15.9 23.9#

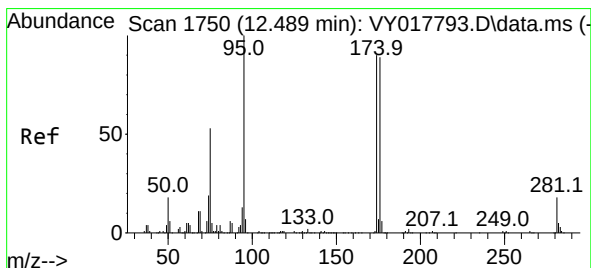
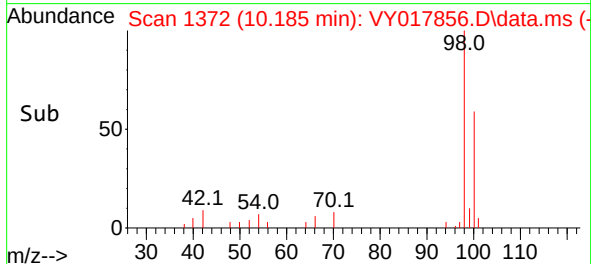
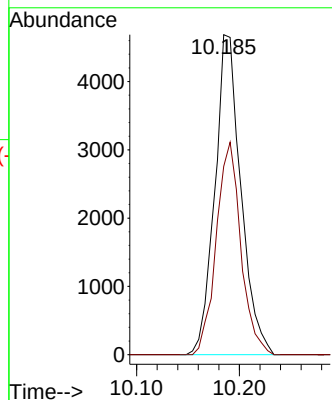
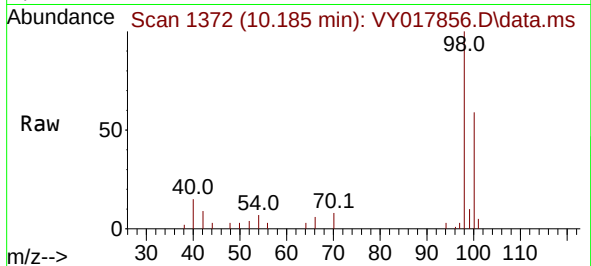




#50  
Toluene-d8  
Concen: 45.501 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY017856.D  
Acq: 04 Apr 2024 17:02

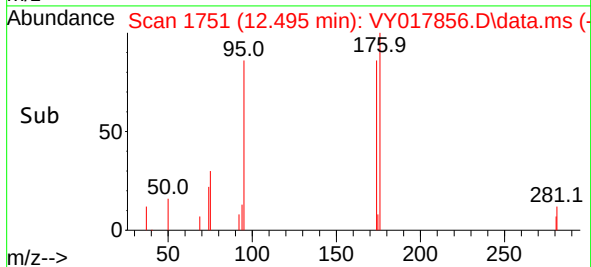
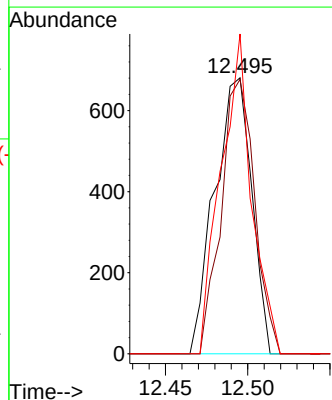
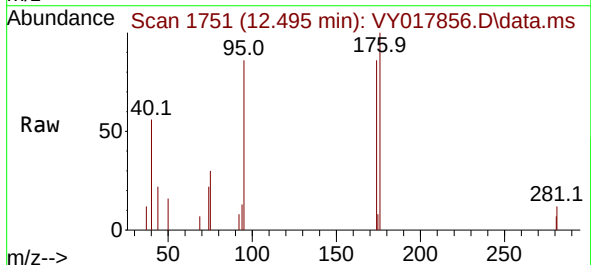
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2

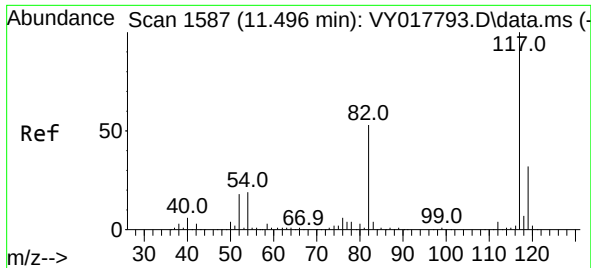
Tgt Ion: 98 Resp: 8251  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 19.340 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY017856.D  
Acq: 04 Apr 2024 17:02

Tgt Ion: 95 Resp: 1067  
Ion Ratio Lower Upper  
95 100  
174 90.0 0.0 175.6  
176 96.3 0.0 171.4

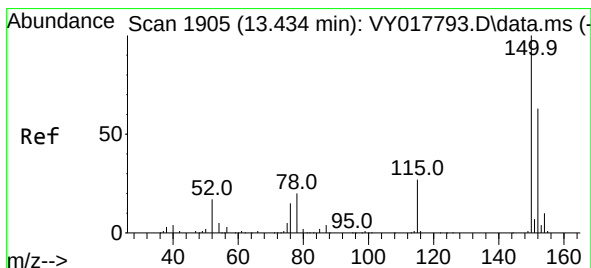
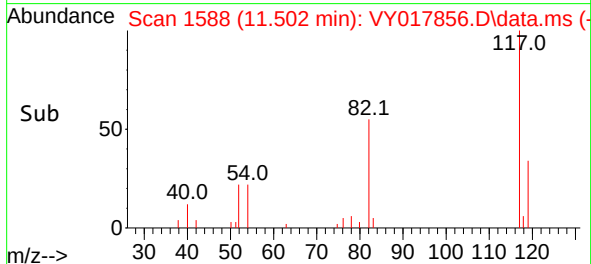
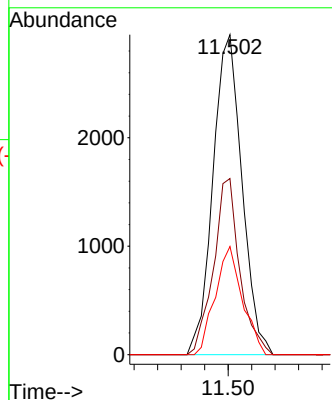
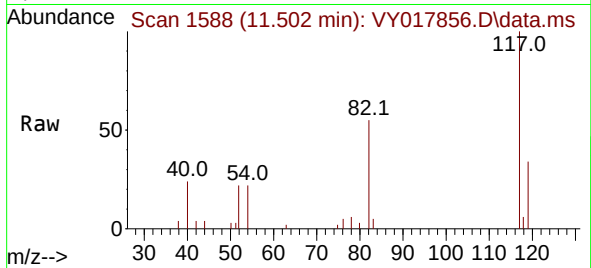




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017856.D  
Acq: 04 Apr 2024 17:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2

Tgt Ion:117 Resp: 5057  
Ion Ratio Lower Upper  
117 100  
82 55.1 42.4 63.6  
119 33.8 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY017856.D  
Acq: 04 Apr 2024 17:02

Tgt Ion:152 Resp: 870  
Ion Ratio Lower Upper  
152 100  
115 45.4 28.2 84.7  
150 140.6 0.0 345.6

