

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030524\  
 Data File : VY017572.D  
 Acq On : 05 Mar 2024 15:30  
 Operator : SY/MD  
 Sample : P1666-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-030124

Quant Time: Mar 05 22:05:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 2599     | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 3764     | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 2571     | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 268      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 1182     | 47.987   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.980% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 926      | 35.305   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 70.600% |
| 50) Toluene-d8              | 10.185 | 98    | 3873     | 42.233   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 84.460% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 435      | 15.093   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 30.180% |

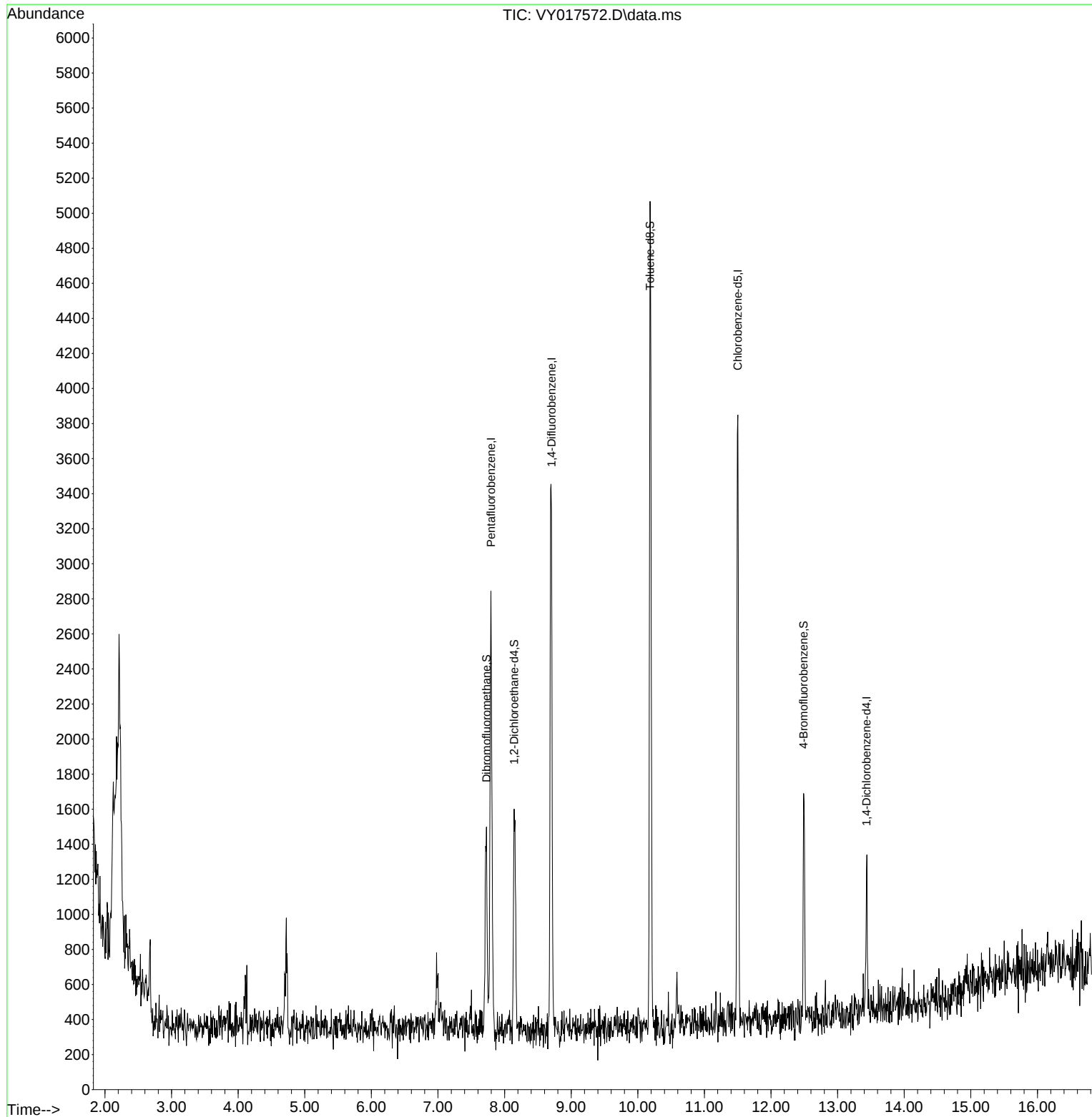
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

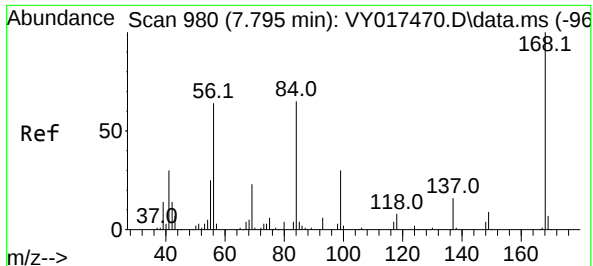
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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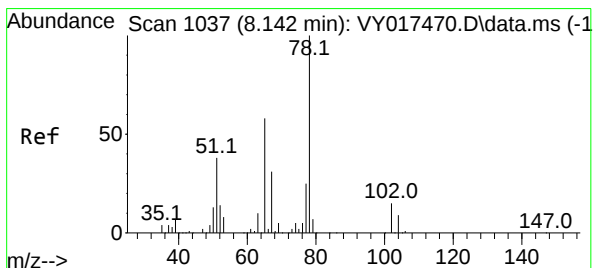
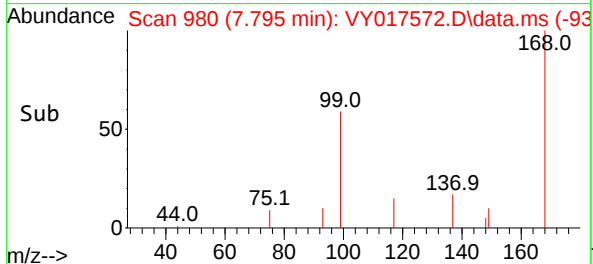
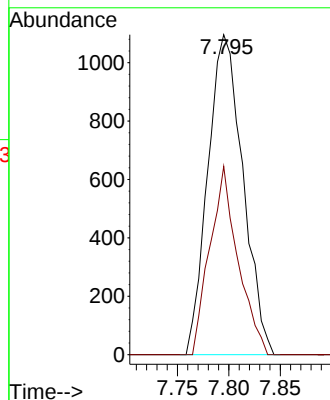
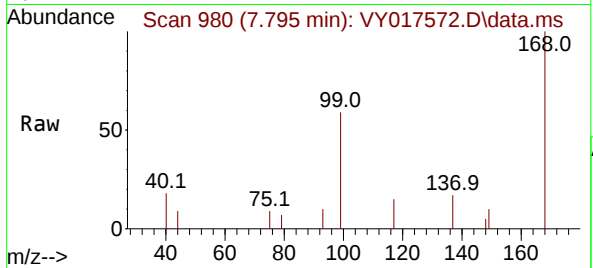




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY017572.D  
Acq: 05 Mar 2024 15:30

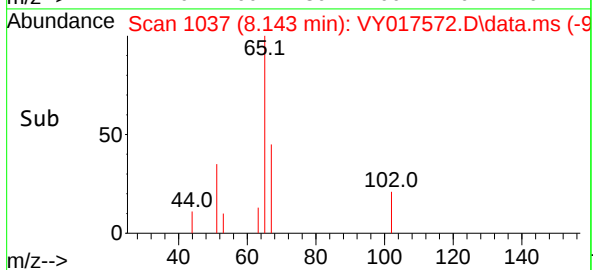
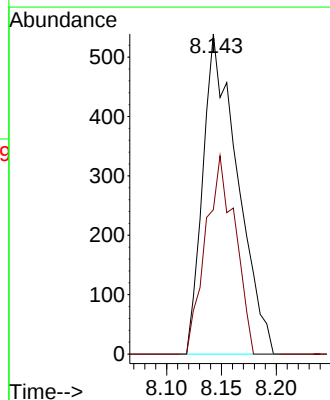
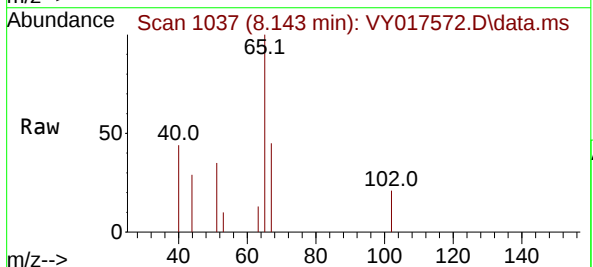
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-030124

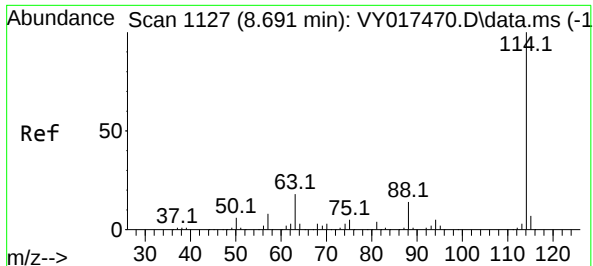
Tgt Ion:168 Resp: 2599  
Ion Ratio Lower Upper  
168 100  
99 58.9 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 47.987 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY017572.D  
Acq: 05 Mar 2024 15:30

Tgt Ion: 65 Resp: 1182  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017572.D

Acq: 05 Mar 2024 15:30

Instrument :

MSVOA\_Y

ClientSampleId :

OR-02-030124

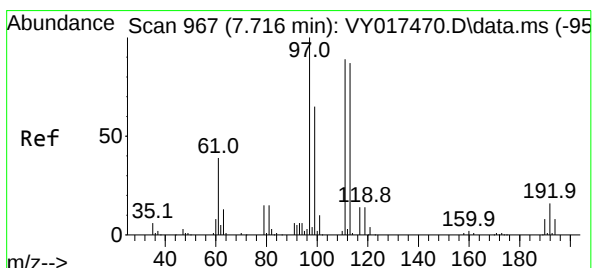
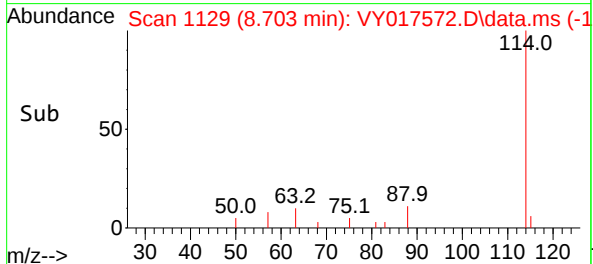
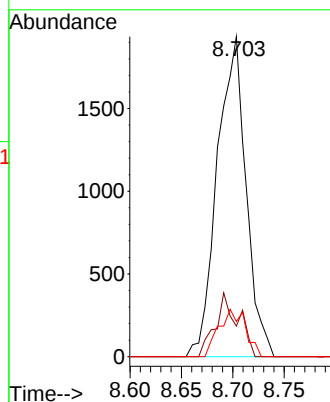
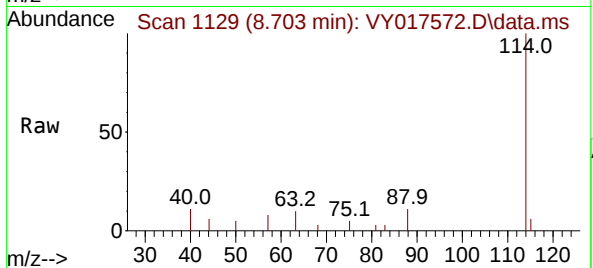
Tgt Ion:114 Resp: 3764

Ion Ratio Lower Upper

114 100

63 9.6 0.0 35.0

88 11.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 35.305 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY017572.D

Acq: 05 Mar 2024 15:30

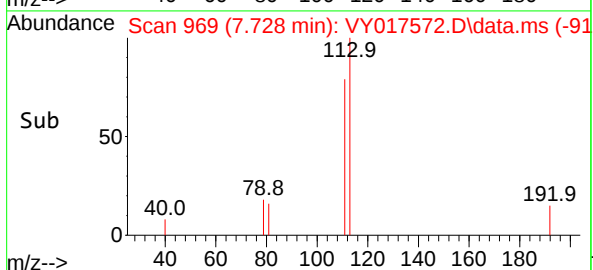
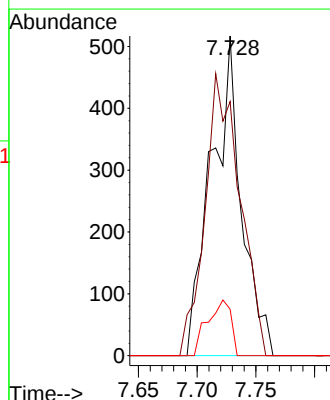
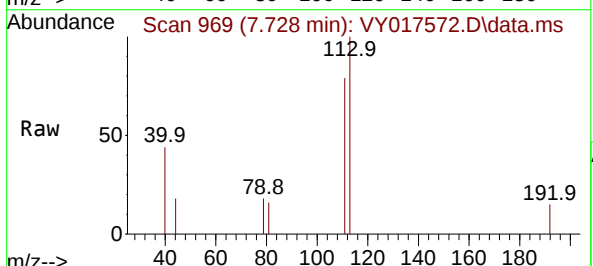
Tgt Ion:113 Resp: 926

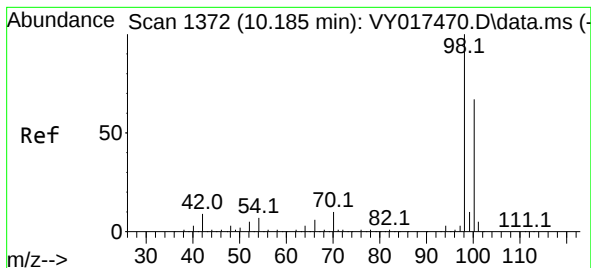
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 13.5 15.9 23.9#

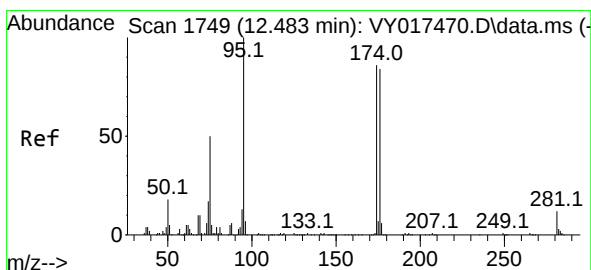
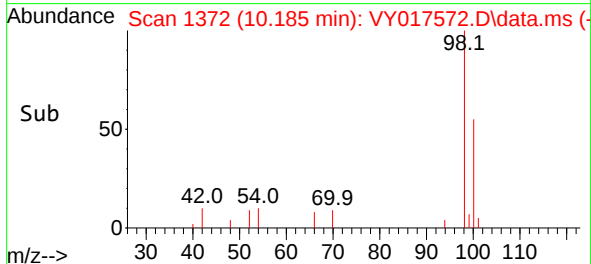
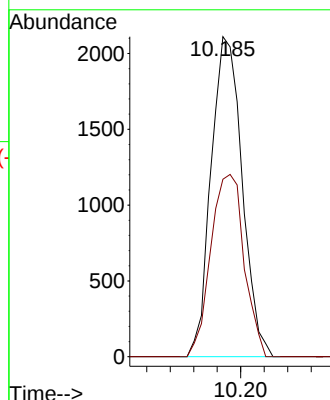
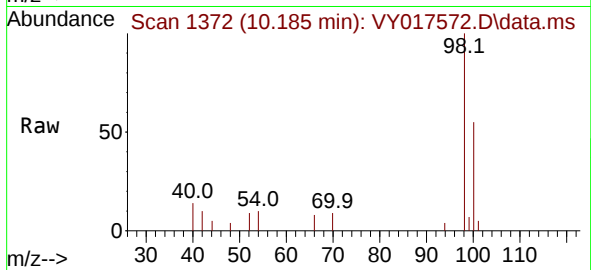




#50  
Toluene-d8  
Concen: 42.233 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017572.D  
Acq: 05 Mar 2024 15:30

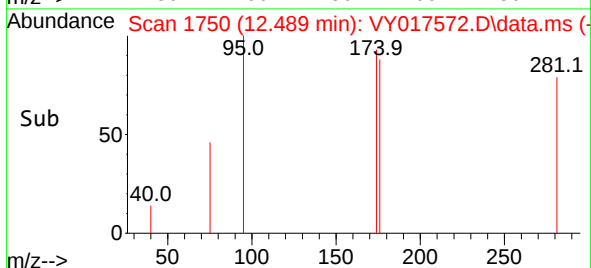
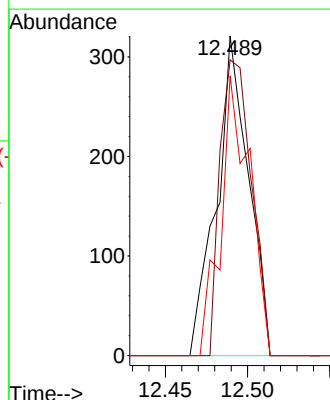
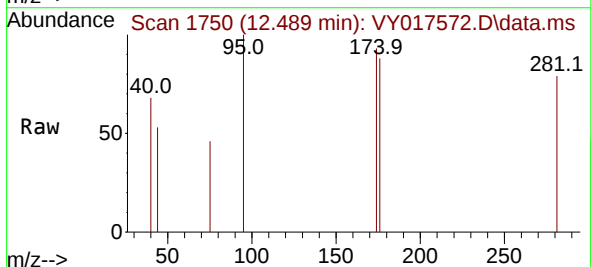
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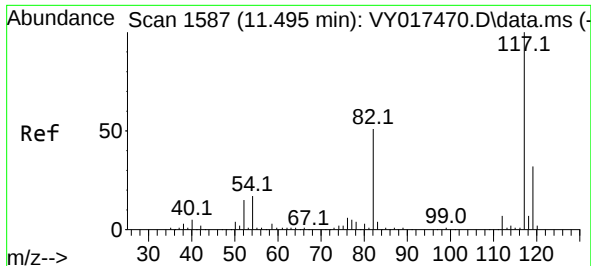
Tgt Ion: 98 Resp: 3873  
Ion Ratio Lower Upper  
98 100  
100 61.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 15.093 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY017572.D  
Acq: 05 Mar 2024 15:30

Tgt Ion: 95 Resp: 435  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 175.6  
176 80.2 0.0 171.4

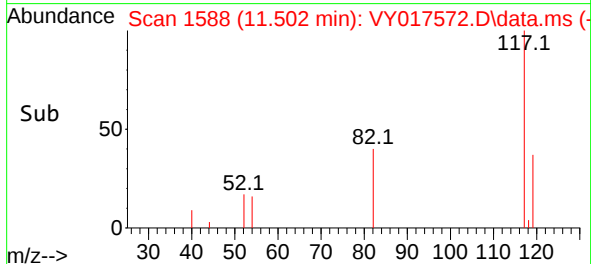
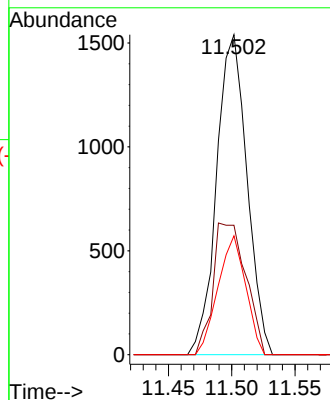
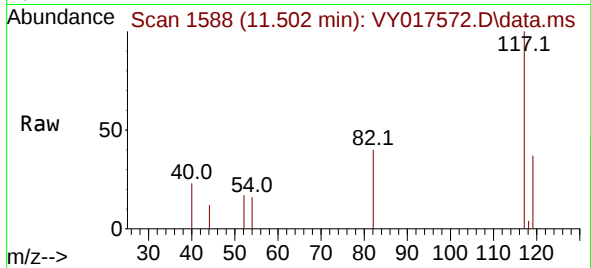




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017572.D  
Acq: 05 Mar 2024 15:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-030124

Tgt Ion:117 Resp: 2571  
Ion Ratio Lower Upper  
117 100  
82 40.5 42.4 63.6#  
119 37.1 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VY017572.D  
Acq: 05 Mar 2024 15:30

Tgt Ion:152 Resp: 268  
Ion Ratio Lower Upper  
152 100  
115 49.6 28.2 84.7  
150 185.1 0.0 345.6

