

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013024\  
 Data File : VY017142.D  
 Acq On : 30 Jan 2024 14:39  
 Operator : SY/MD  
 Sample : P1283-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-012924

Quant Time: Jan 31 00:28:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012424S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 25 04:44:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.813  | 168  | 86641    | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.710  | 114  | 186819   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.508 | 117  | 184860   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 71821    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 40294    | 47.733   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.460% |
| 35) Dibromofluoromethane    | 7.740  | 113   | 44474    | 39.444   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 78.880% |
| 50) Toluene-d8              | 10.197 | 98    | 165715   | 38.912   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 77.820% |
| 62) 4-Bromofluorobenzene    | 12.496 | 95    | 52681    | 40.156   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 80.320% |

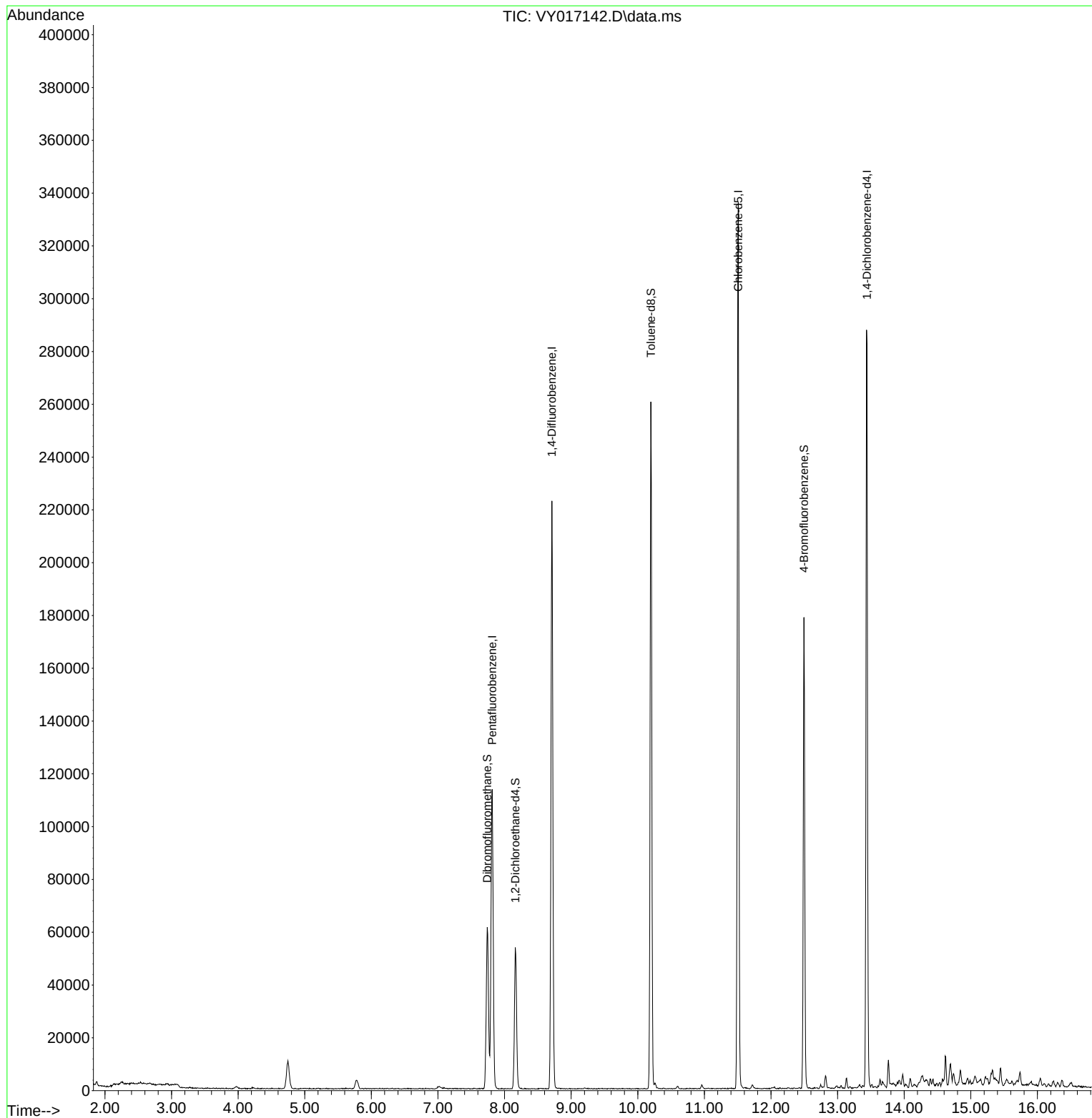
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

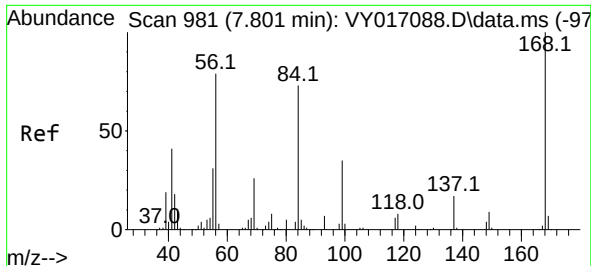
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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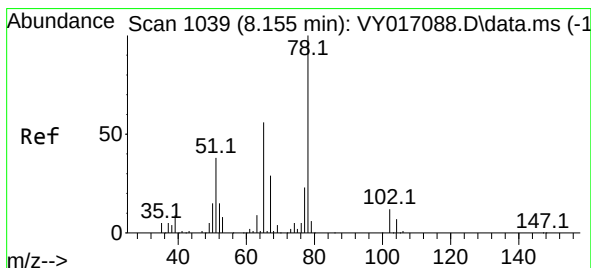
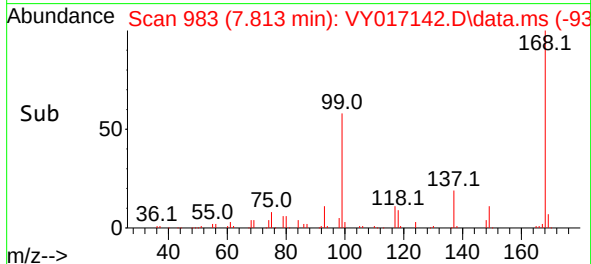
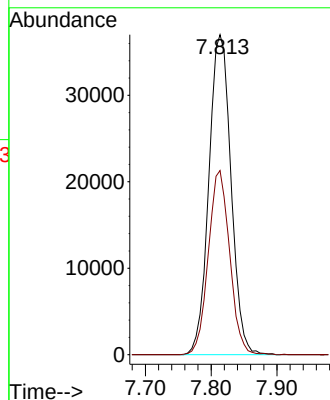
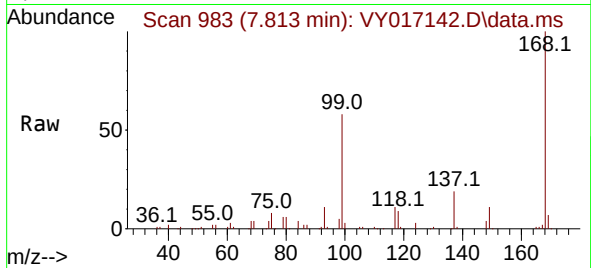




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY017142.D  
Acq: 30 Jan 2024 14:39

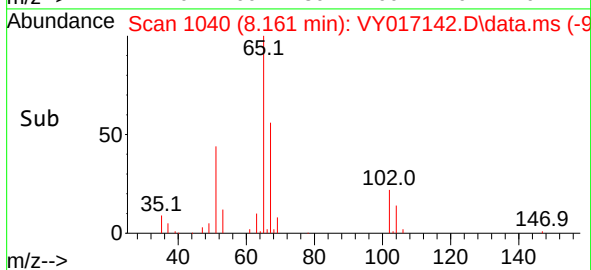
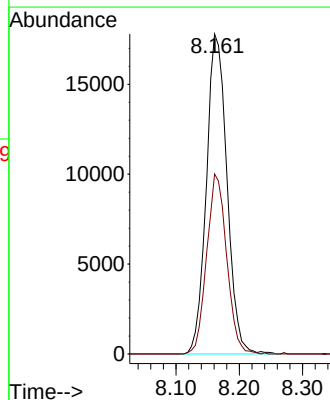
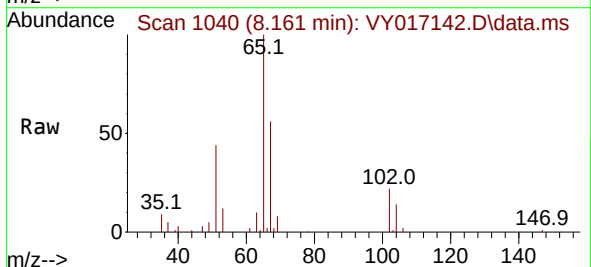
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-012924

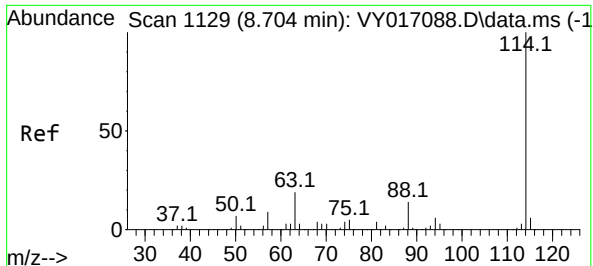
Tgt Ion:168 Resp: 86641  
Ion Ratio Lower Upper  
168 100  
99 57.6 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 47.733 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY017142.D  
Acq: 30 Jan 2024 14:39

Tgt Ion: 65 Resp: 40294  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VY017142.D

Acq: 30 Jan 2024 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

OR-02-012924

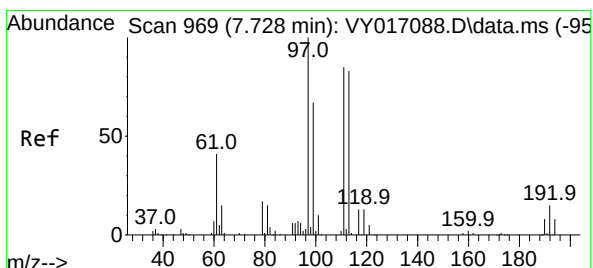
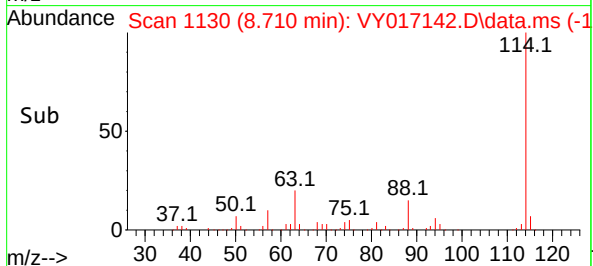
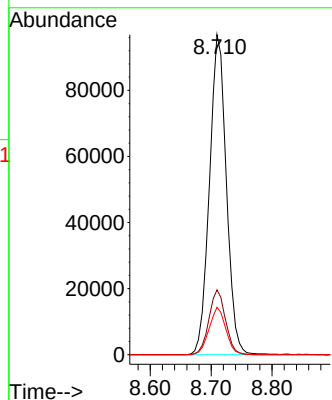
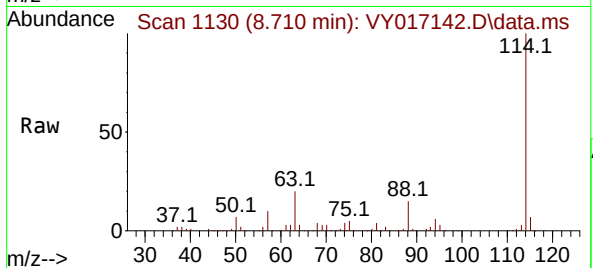
Tgt Ion:114 Resp: 186819

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 39.444 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY017142.D

Acq: 30 Jan 2024 14:39

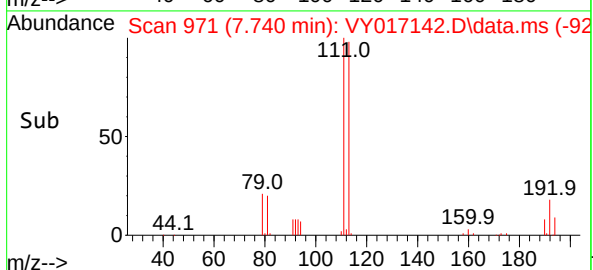
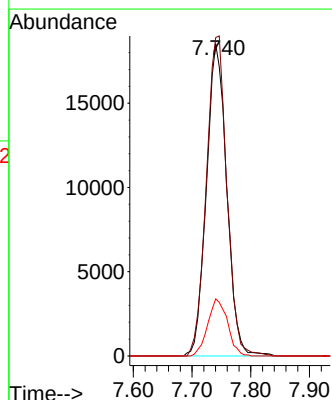
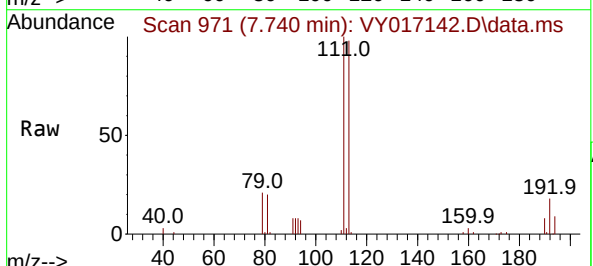
Tgt Ion:113 Resp: 44474

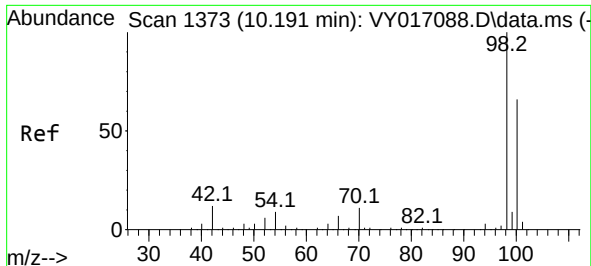
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 17.9 14.5 21.7

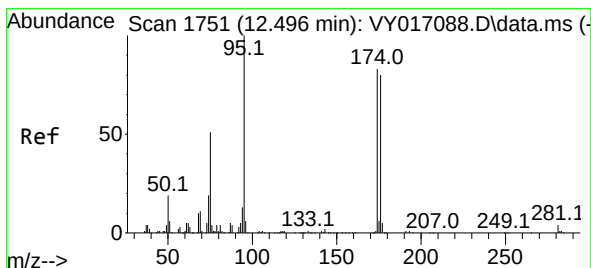
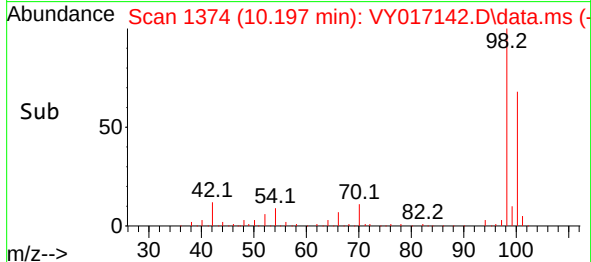
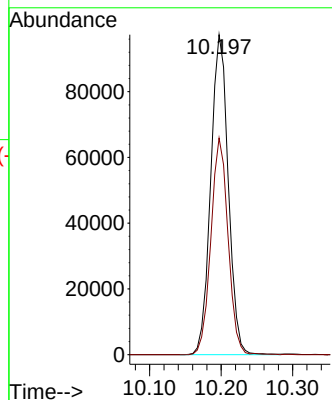
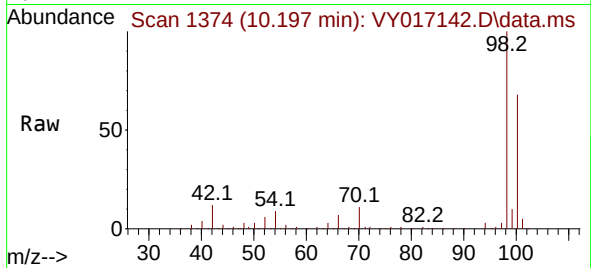




#50  
Toluene-d8  
Concen: 38.912 ug/l  
RT: 10.197 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017142.D  
Acq: 30 Jan 2024 14:39

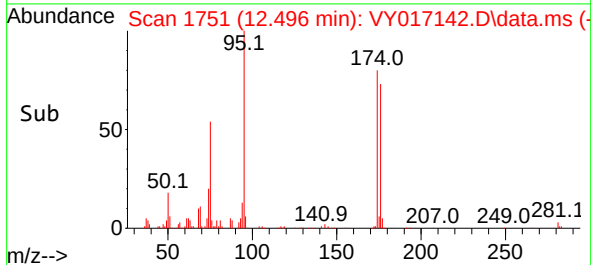
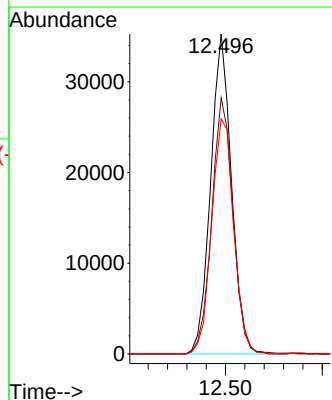
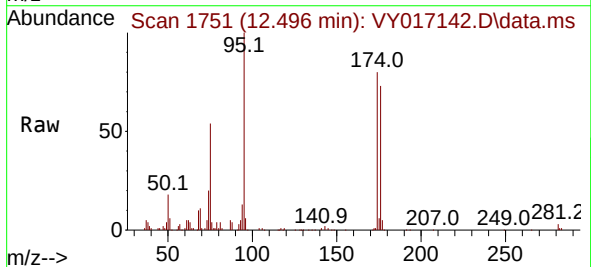
Instrument :  
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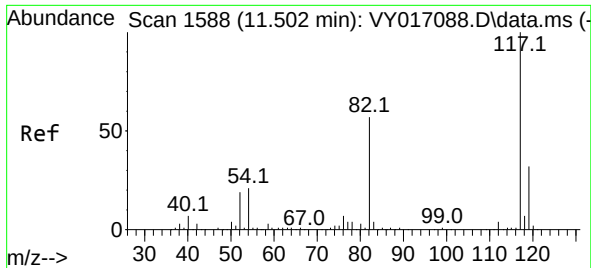
Tgt Ion: 98 Resp: 165715  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 40.156 ug/l  
RT: 12.496 min Scan# 1751  
Delta R.T. 0.007 min  
Lab File: VY017142.D  
Acq: 30 Jan 2024 14:39

Tgt Ion: 95 Resp: 52681  
Ion Ratio Lower Upper  
95 100  
174 82.0 0.0 160.0  
176 77.8 0.0 151.8

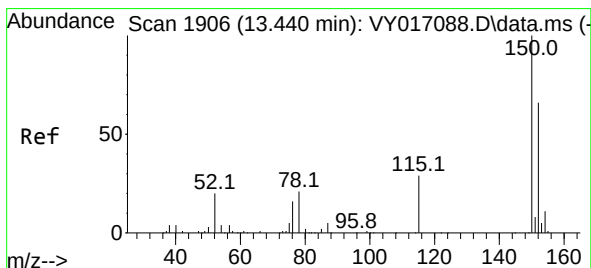
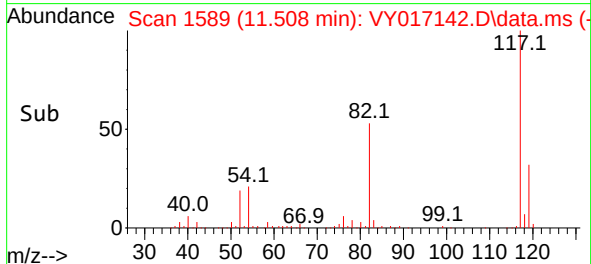
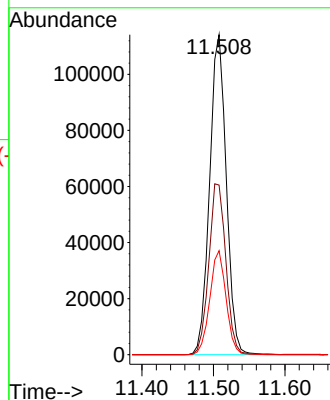
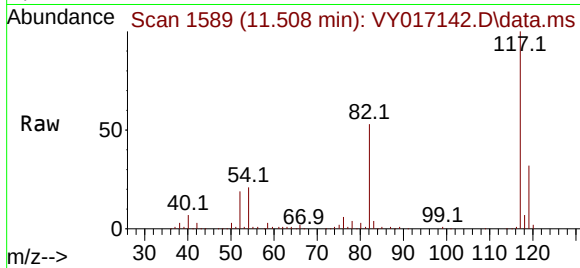




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VY017142.D  
Acq: 30 Jan 2024 14:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-012924

Tgt Ion:117 Resp: 184860  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.8 65.8  
119 32.5 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.006 min  
Lab File: VY017142.D  
Acq: 30 Jan 2024 14:39

Tgt Ion:152 Resp: 71821  
Ion Ratio Lower Upper  
152 100  
115 58.2 30.0 90.0  
150 157.9 0.0 344.6

