

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020224\  
 Data File : VY017201.D  
 Acq On : 02 Feb 2024 23:23  
 Operator : SY/MD  
 Sample : P1341-02  
 Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-2

Quant Time: Feb 03 01:43:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.807  | 168  | 84280    | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.704  | 114  | 177822   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.508 | 117  | 177041   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 68249    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 39869    | 52.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.900% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 42291    | 44.047   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.100%  |
| 50) Toluene-d8              | 10.197 | 98    | 155968   | 44.617   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 89.240%  |
| 62) 4-Bromofluorobenzene    | 12.496 | 95    | 50514    | 44.112   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.220%  |

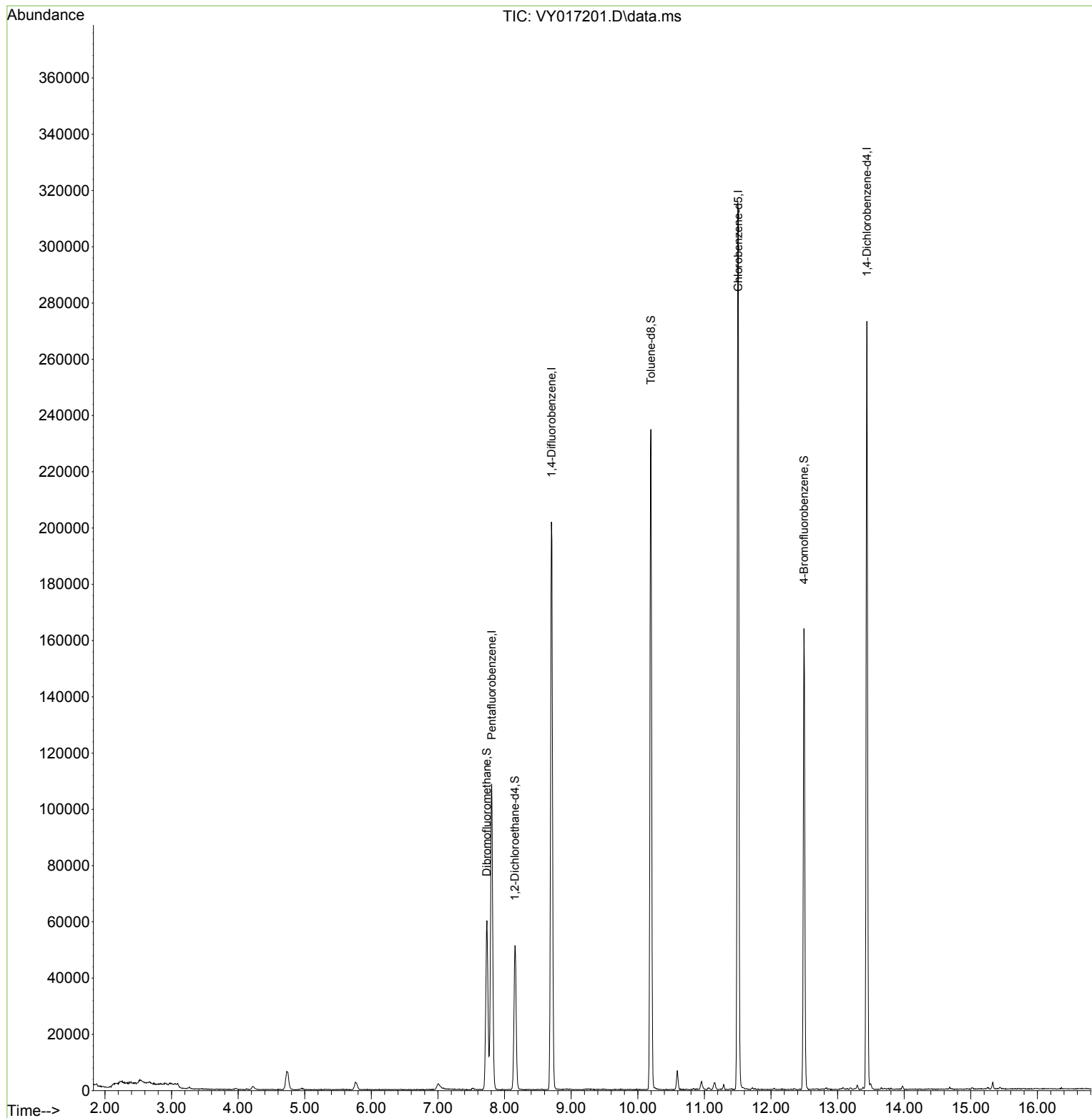
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

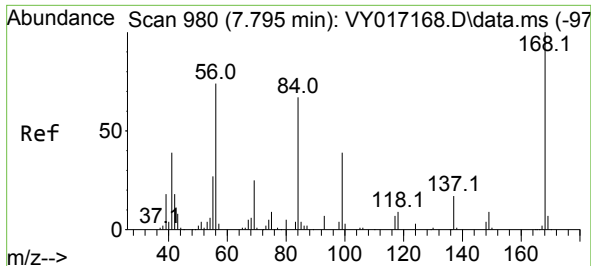
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

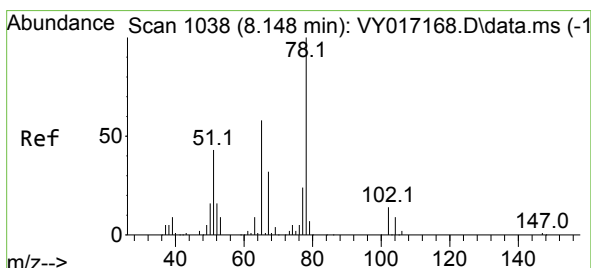
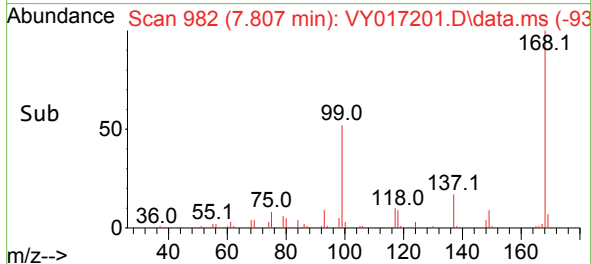
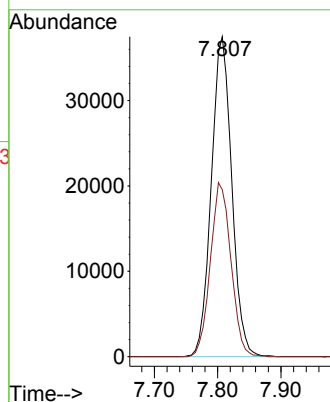
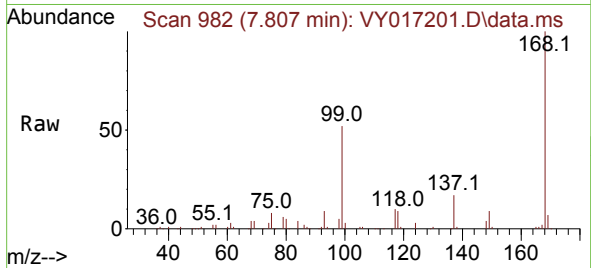




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 99  
Delta R.T. 0.012 min  
Lab File: VY017201.D  
Acq: 02 Feb 2024 23:23

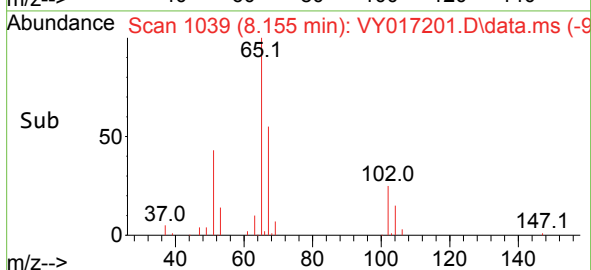
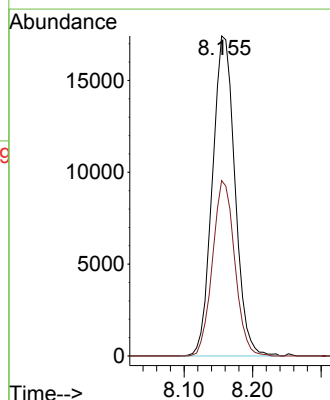
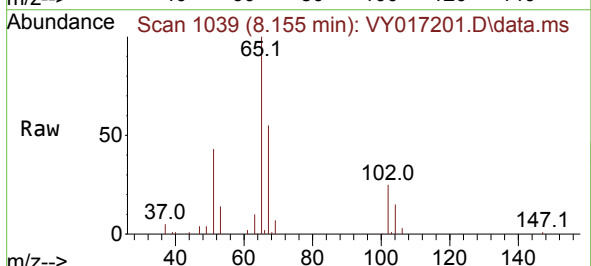
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

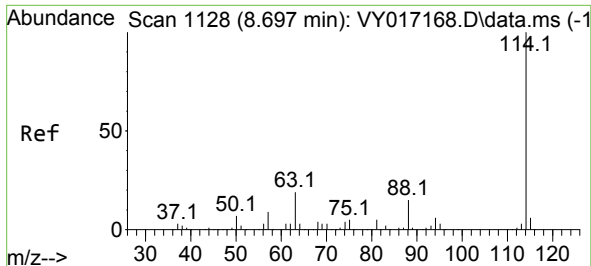
Tgt Ion:168 Resp: 84280  
Ion Ratio Lower Upper  
168 100  
99 52.2 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 52.954 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.007 min  
Lab File: VY017201.D  
Acq: 02 Feb 2024 23:23

Tgt Ion: 65 Resp: 39869  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 109.0

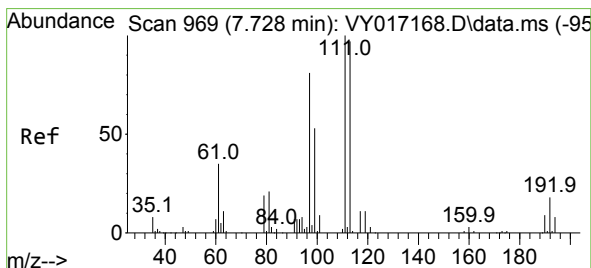
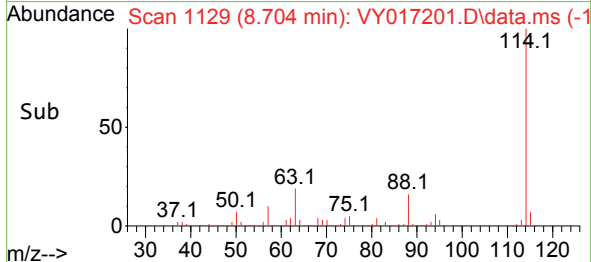
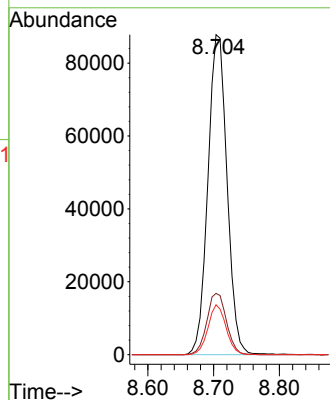
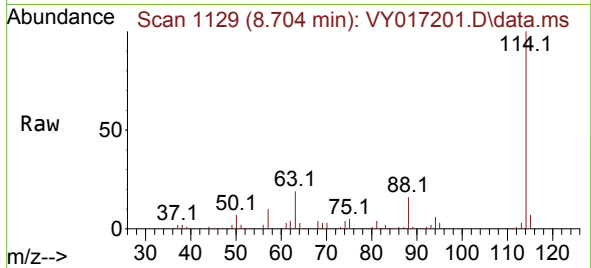




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.704 min Scan# 1128  
Delta R.T. 0.007 min  
Lab File: VY017201.D  
Acq: 02 Feb 2024 23:23

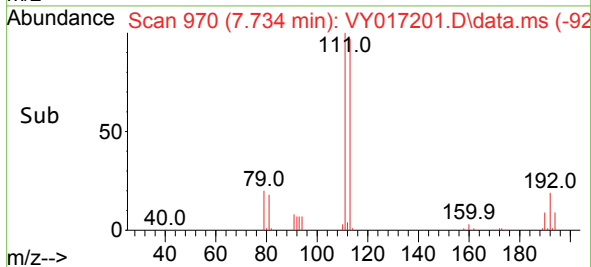
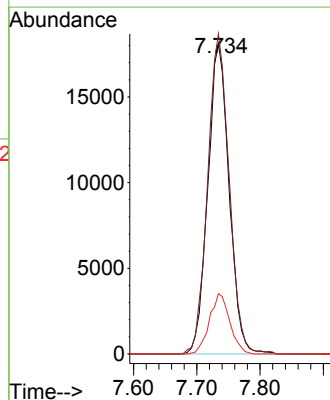
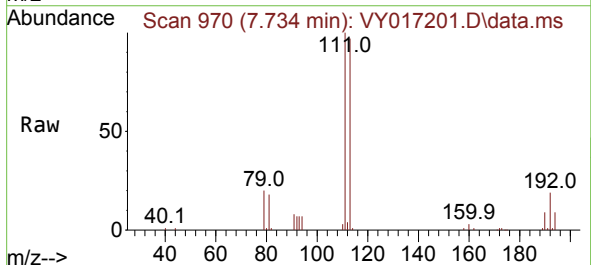
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

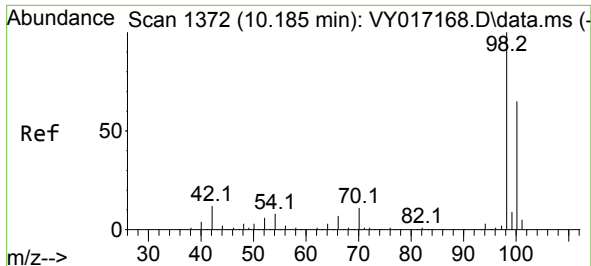
Tgt Ion:114 Resp: 177822  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 37.4  
88 15.6 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 44.047 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.007 min  
Lab File: VY017201.D  
Acq: 02 Feb 2024 23:23

Tgt Ion:113 Resp: 42291  
Ion Ratio Lower Upper  
113 100  
111 104.1 83.8 125.6  
192 18.6 14.5 21.7

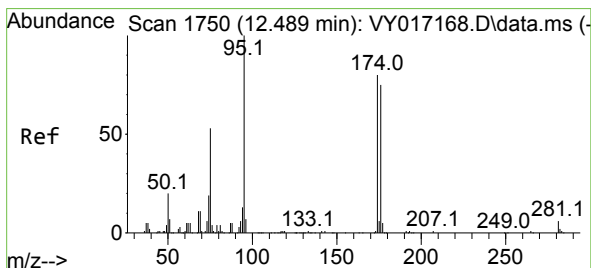
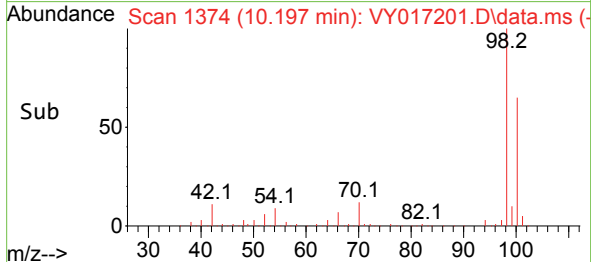
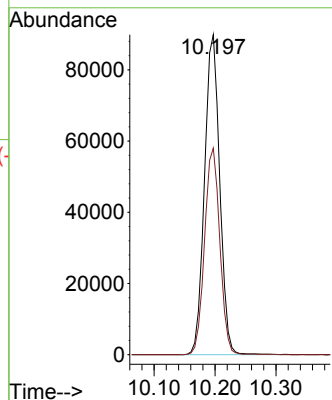
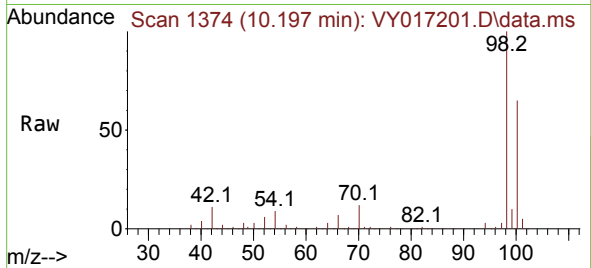




#50  
Toluene-d8  
Concen: 44.617 ug/l  
RT: 10.197 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY017201.D  
Acq: 02 Feb 2024 23:23

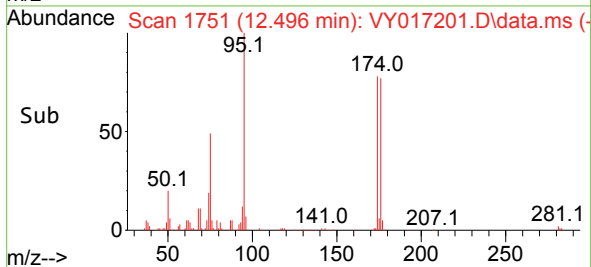
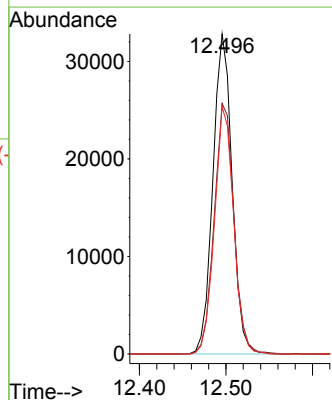
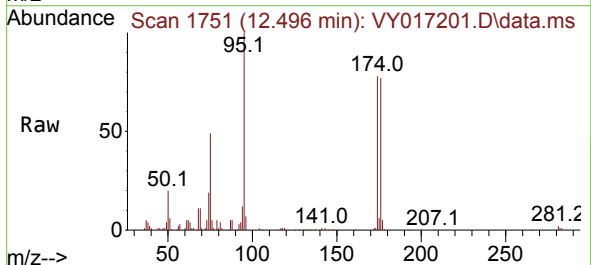
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

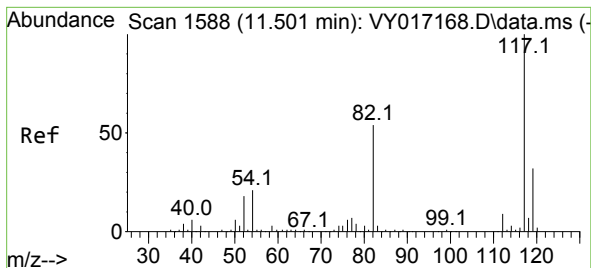
Tgt Ion: 98 Resp: 155968  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 44.112 ug/l  
RT: 12.496 min Scan# 1751  
Delta R.T. 0.007 min  
Lab File: VY017201.D  
Acq: 02 Feb 2024 23:23

Tgt Ion: 95 Resp: 50514  
Ion Ratio Lower Upper  
95 100  
174 80.6 0.0 160.0  
176 76.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY017201.D

Acq: 02 Feb 2024 23:23

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-2

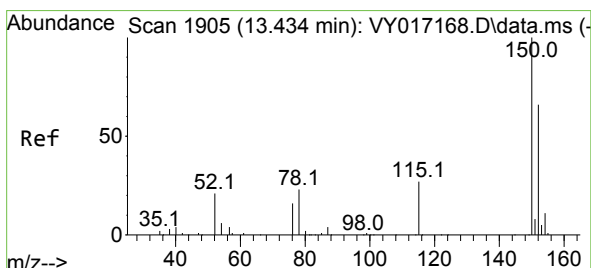
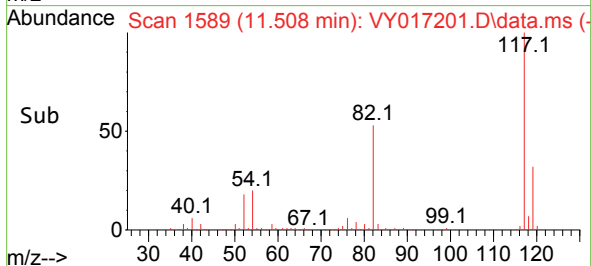
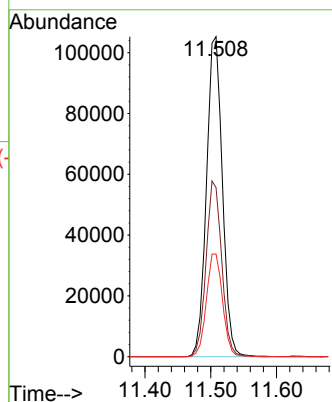
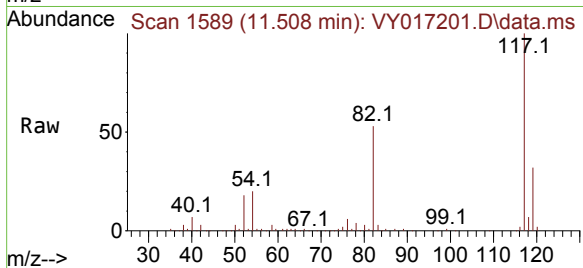
Tgt Ion:117 Resp: 177041

Ion Ratio Lower Upper

117 100

82 52.9 43.8 65.8

119 32.1 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.007 min

Lab File: VY017201.D

Acq: 02 Feb 2024 23:23

Tgt Ion:152 Resp: 68249

Ion Ratio Lower Upper

152 100

115 57.4 30.0 90.0

150 154.8 0.0 344.6

