

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032724\  
 Data File : VY017780.D  
 Acq On : 27 Mar 2024 14:48  
 Operator : SY/MD  
 Sample : P1874-02  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-209

Quant Time: Mar 28 02:17:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 04:03:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 62333    | 50.000 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 105967   | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 81998    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 25730    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 31446    | 57.908   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.820% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 34153    | 53.918   | ug/l | -0.02    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.840% |
| 50) Toluene-d8              | 10.185 | 98    | 121098   | 49.952   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.900%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 26913    | 36.970   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 73.940%  |

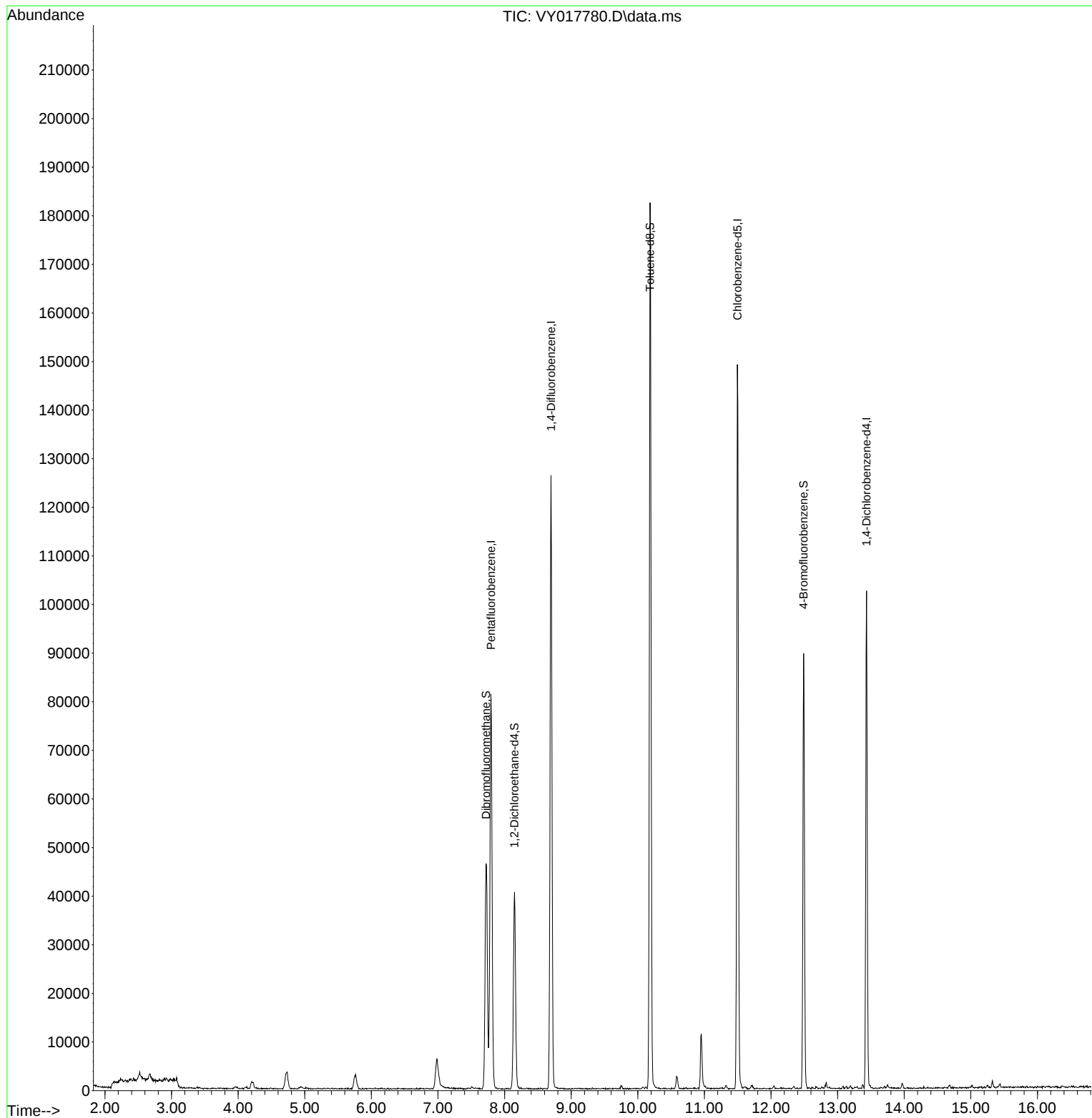
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

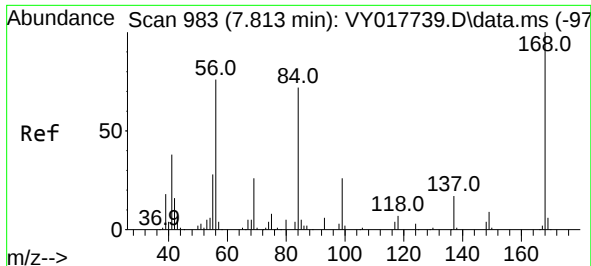
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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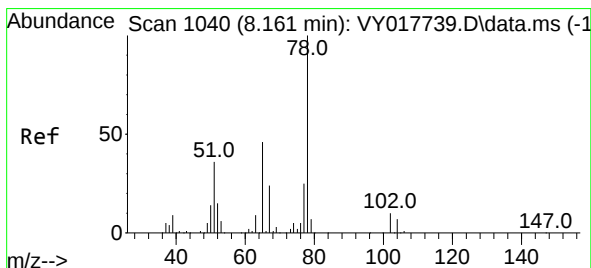
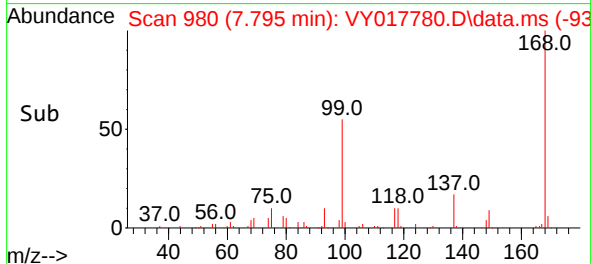
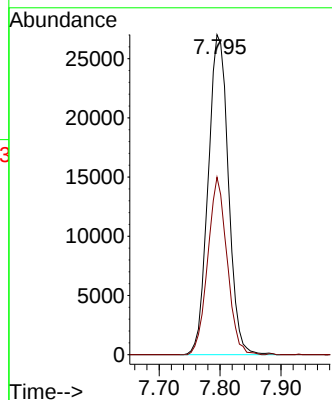
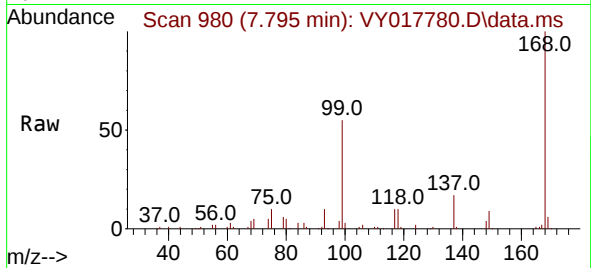




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VY017780.D  
Acq: 27 Mar 2024 14:48

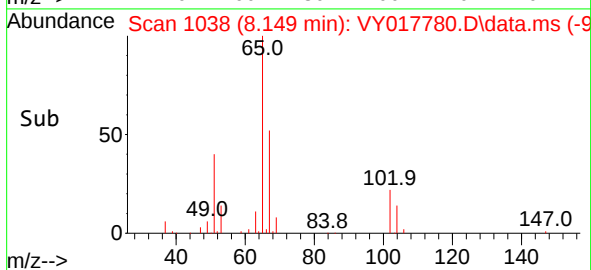
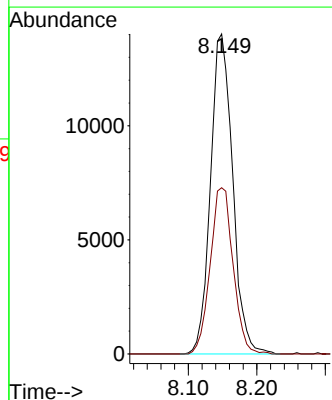
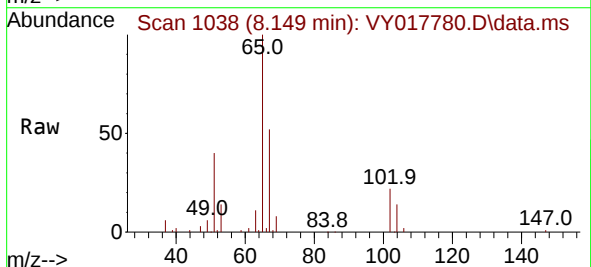
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

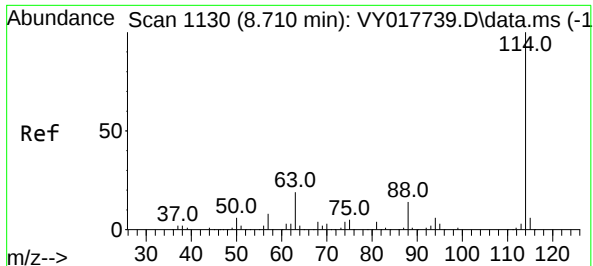
Tgt Ion:168 Resp: 62333  
Ion Ratio Lower Upper  
168 100  
99 55.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.908 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.012 min  
Lab File: VY017780.D  
Acq: 27 Mar 2024 14:48

Tgt Ion: 65 Resp: 31446  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-209

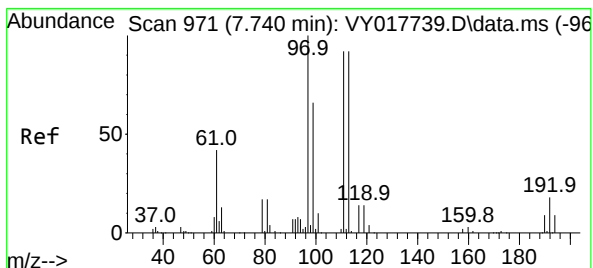
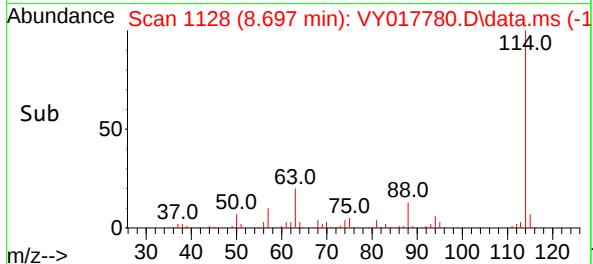
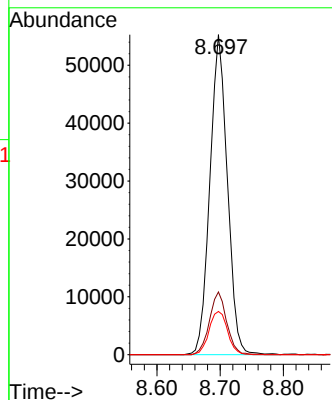
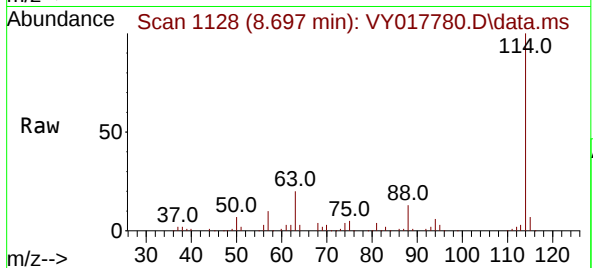
Tgt Ion:114 Resp: 105967

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.918 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.018 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

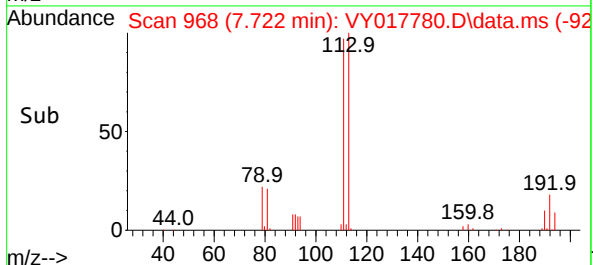
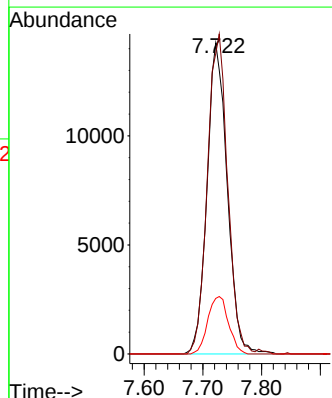
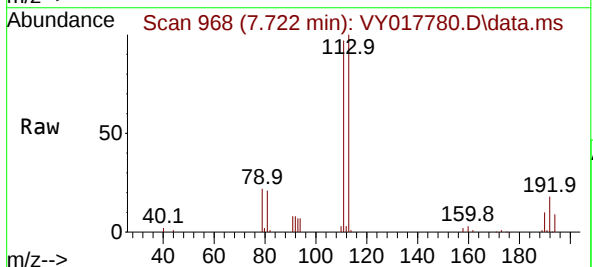
Tgt Ion:113 Resp: 34153

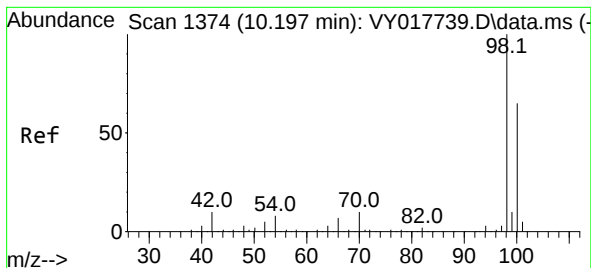
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 18.9 15.9 23.9





#50

Toluene-d8

Concen: 49.952 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

Instrument :

MSVOA\_Y

ClientSampleId :

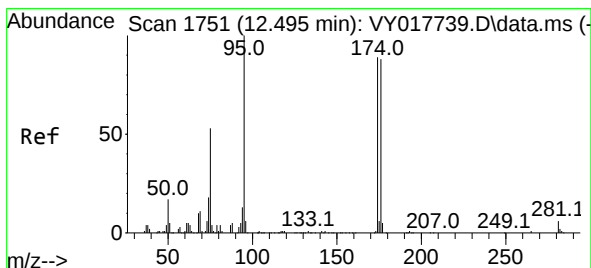
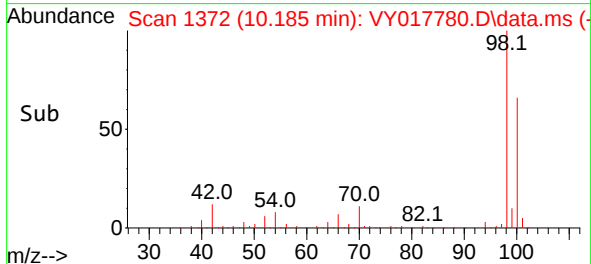
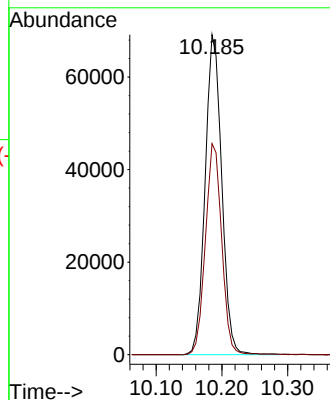
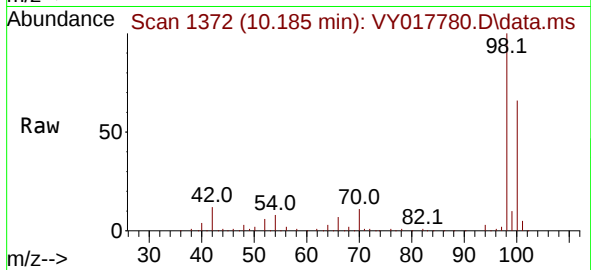
VNJ-209

Tgt Ion: 98 Resp: 121098

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 36.970 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.006 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

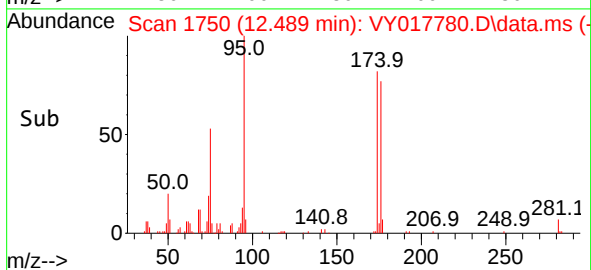
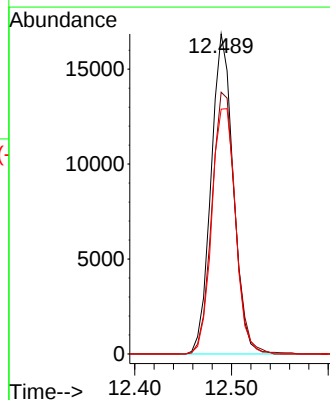
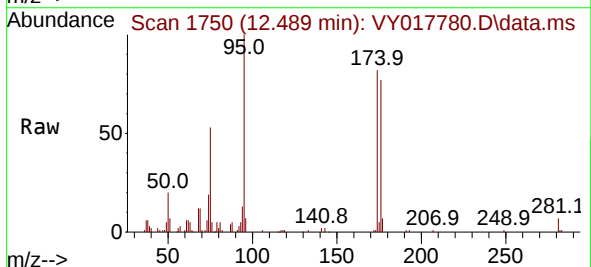
Tgt Ion: 95 Resp: 26913

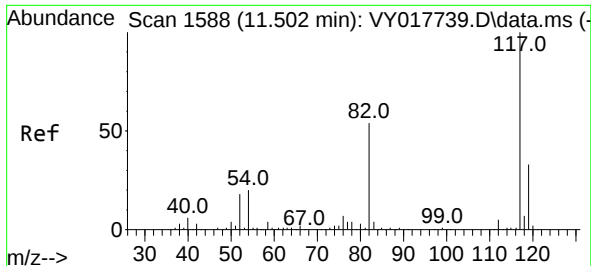
Ion Ratio Lower Upper

95 100

174 86.3 0.0 175.6

176 81.9 0.0 171.4

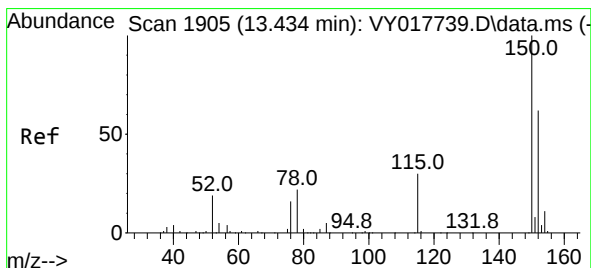
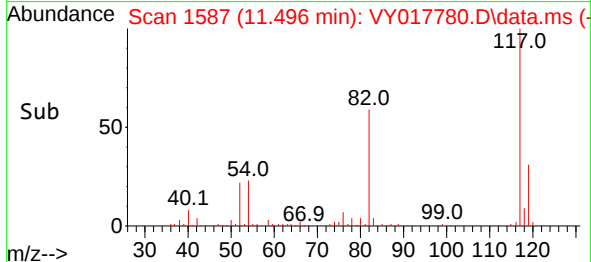
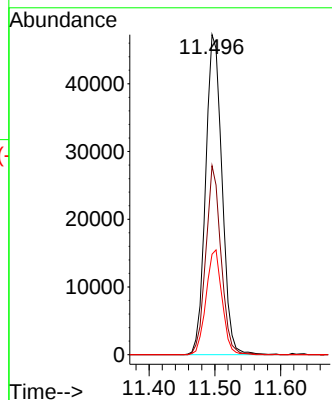
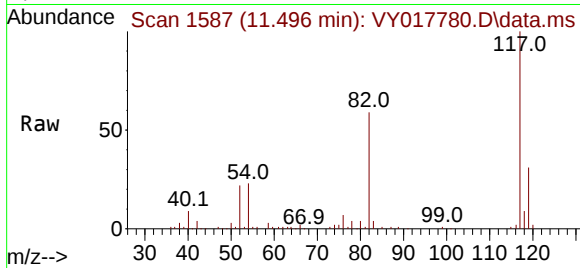




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VY017780.D  
Acq: 27 Mar 2024 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 81998 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 59.0  | 42.4  | 63.6  |
| 119      | 31.4  | 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: VY017780.D  
Acq: 27 Mar 2024 14:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 25730 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 55.3  | 28.2  | 84.7  |
| 150      | 155.3 | 0.0   | 345.6 |

