

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
 Data File : VY017275.D  
 Acq On : 06 Feb 2024 19:22  
 Operator : SY/MD  
 Sample : P1364-03  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-3

Quant Time: Feb 07 00:12:03 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      | 7.801  | 168  | 64104    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 122425   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 111525   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 44093    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 45656    | 79.725   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 159.460% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 42202    | 63.844   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 127.680% |
| 50) Toluene-d8              | 10.191 | 98    | 145738   | 60.555   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 121.100% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 44255    | 56.133   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 112.260% |

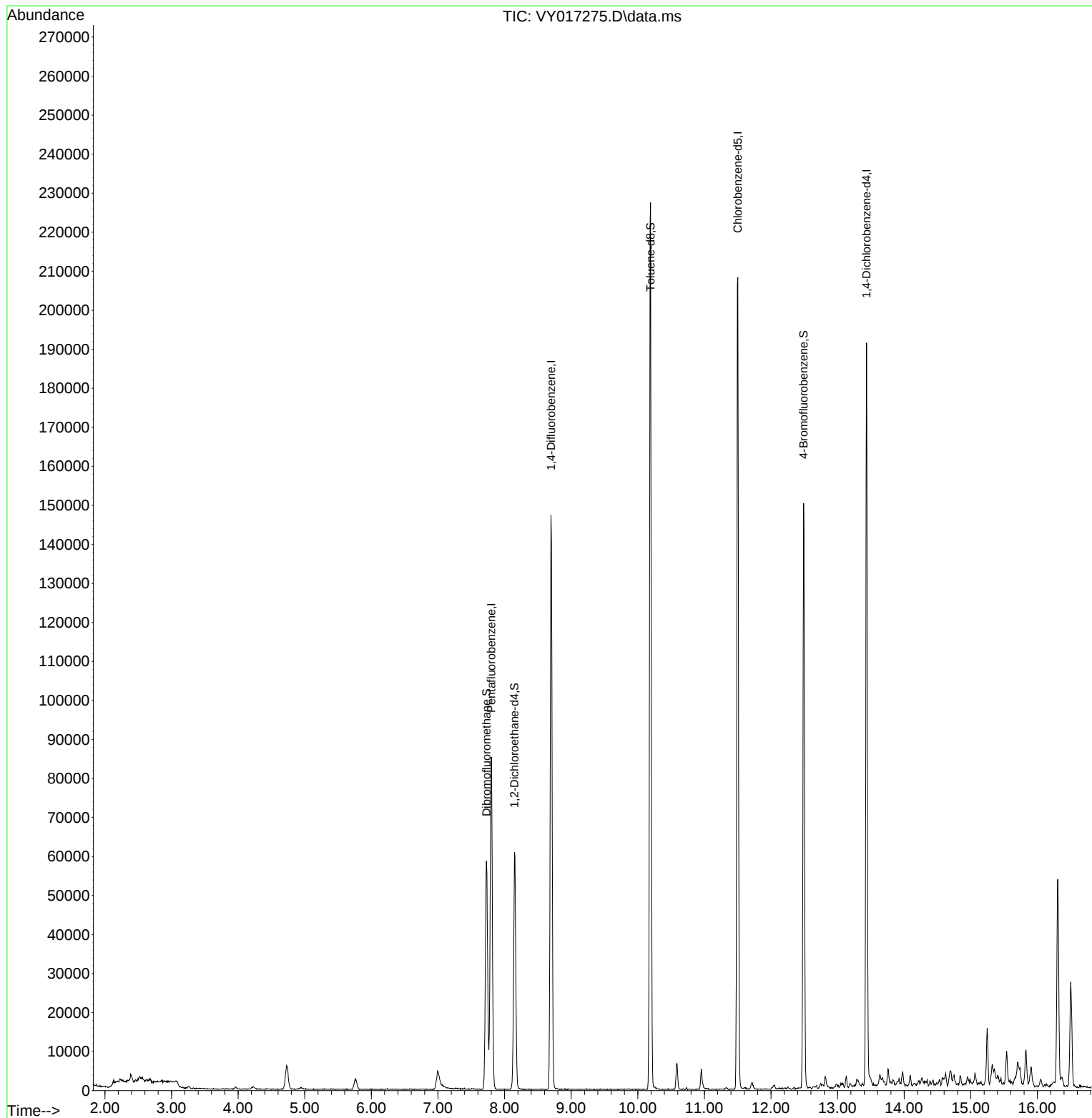
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

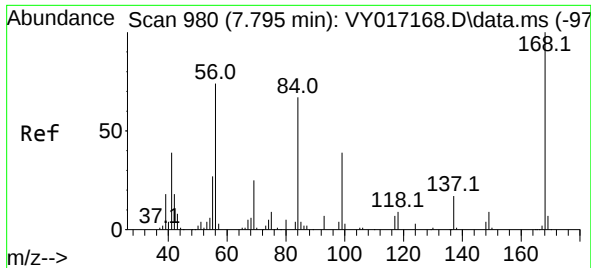
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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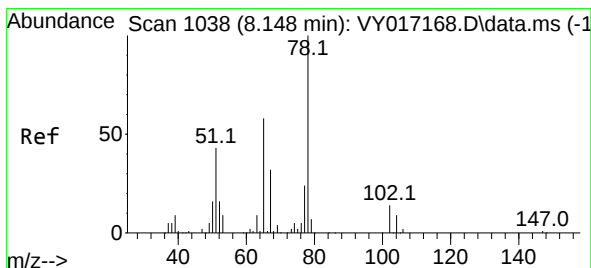
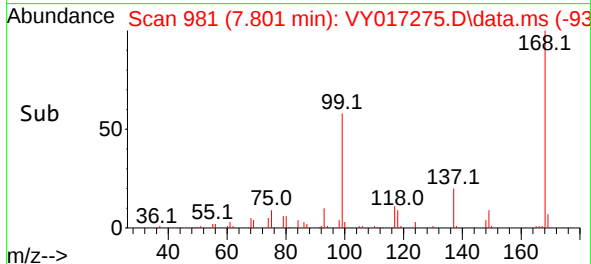
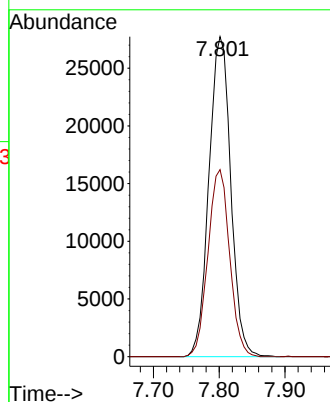
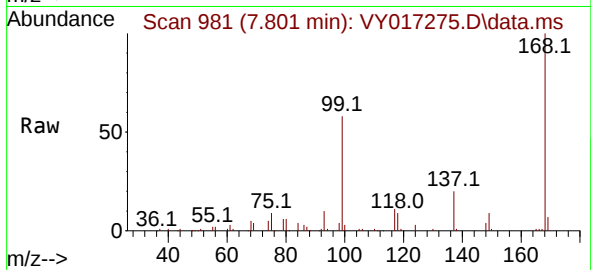




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY017275.D  
Acq: 06 Feb 2024 19:22

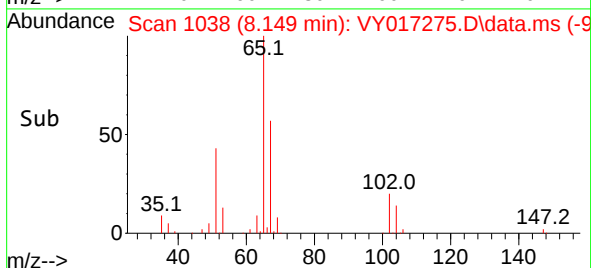
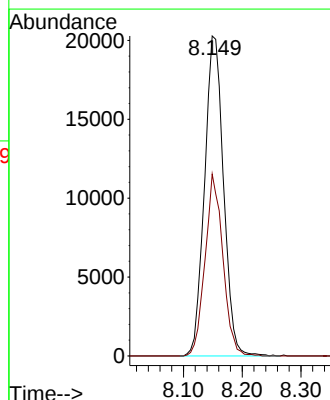
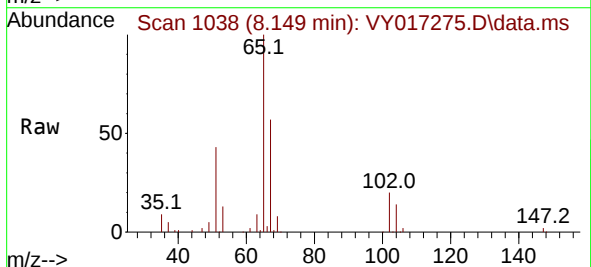
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-3

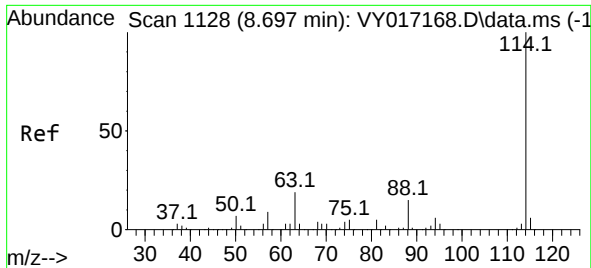
Tgt Ion:168 Resp: 64104  
Ion Ratio Lower Upper  
168 100  
99 58.5 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 79.725 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY017275.D  
Acq: 06 Feb 2024 19:22

Tgt Ion: 65 Resp: 45656  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 109.0

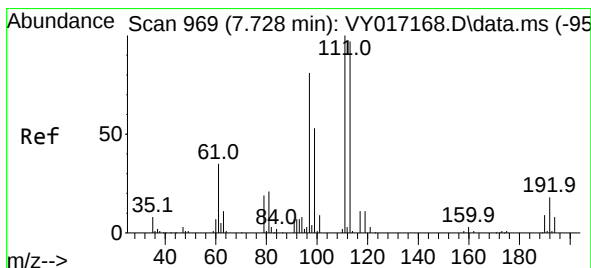
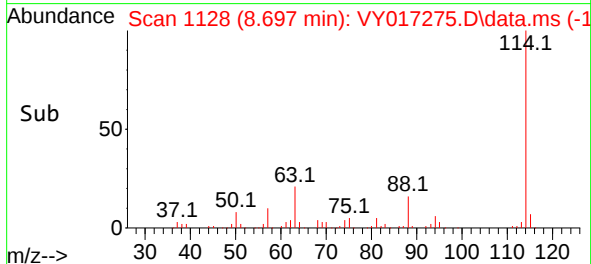
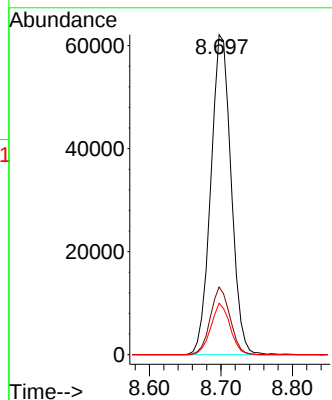
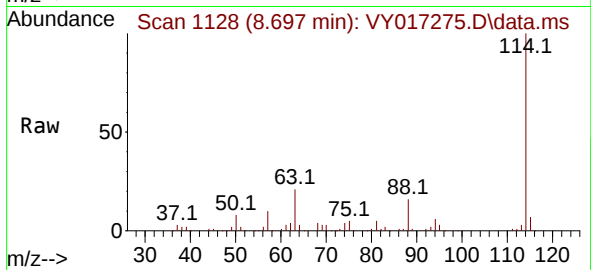




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY017275.D  
Acq: 06 Feb 2024 19:22

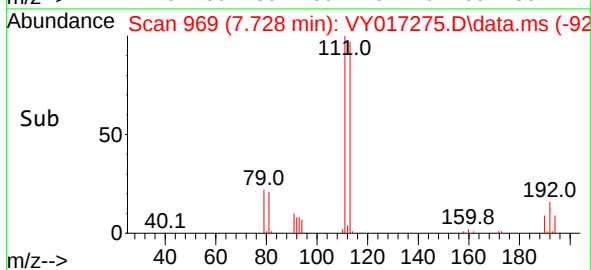
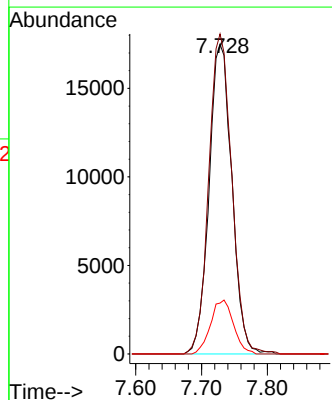
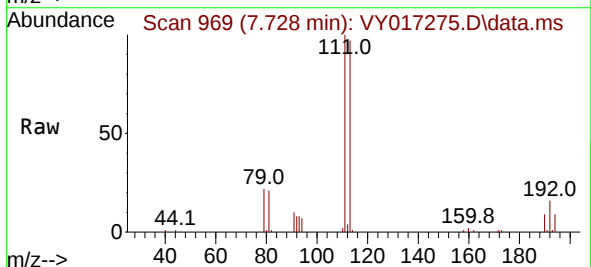
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-3

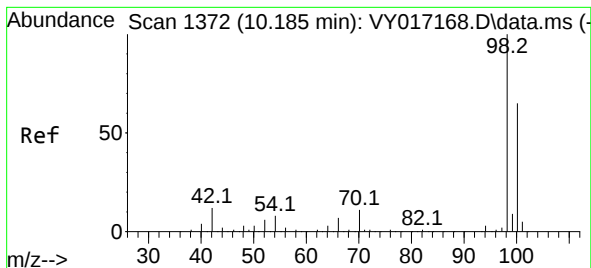
Tgt Ion:114 Resp: 122425  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 37.4  
88 16.0 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 63.844 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY017275.D  
Acq: 06 Feb 2024 19:22

Tgt Ion:113 Resp: 42202  
Ion Ratio Lower Upper  
113 100  
111 104.0 83.8 125.6  
192 17.5 14.5 21.7





#50

Toluene-d8

Concen: 60.555 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY017275.D

Acq: 06 Feb 2024 19:22

Instrument :

MSVOA\_Y

ClientSampleId :

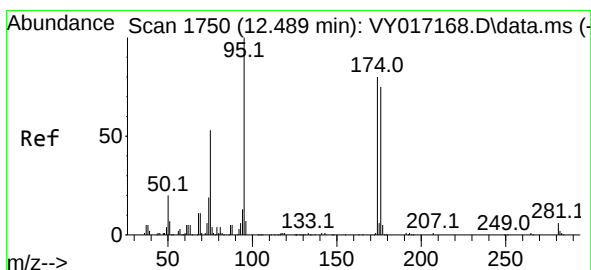
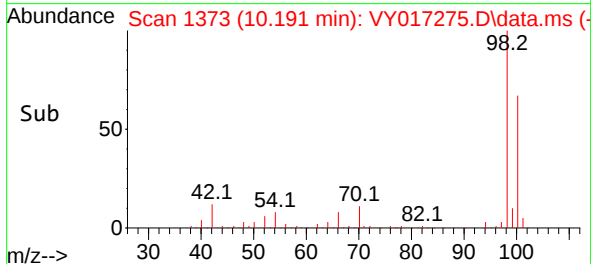
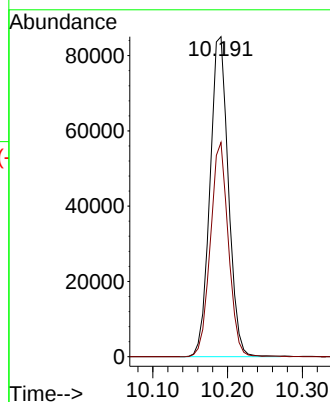
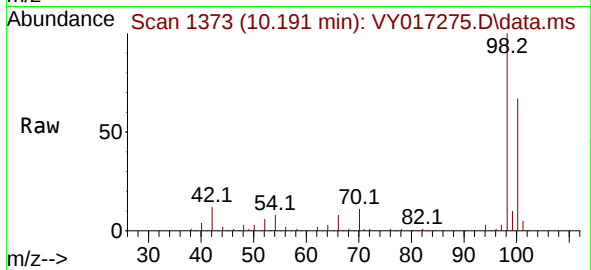
COMP-3

Tgt Ion: 98 Resp: 145738

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.133 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017275.D

Acq: 06 Feb 2024 19:22

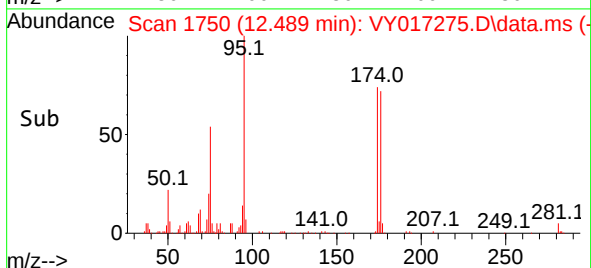
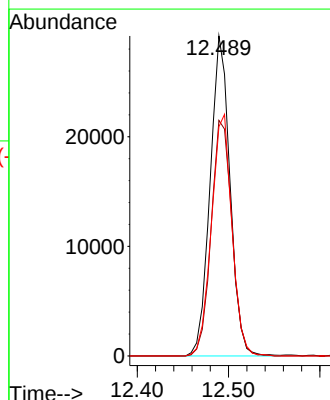
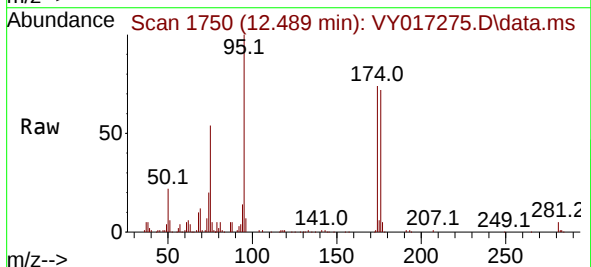
Tgt Ion: 95 Resp: 44255

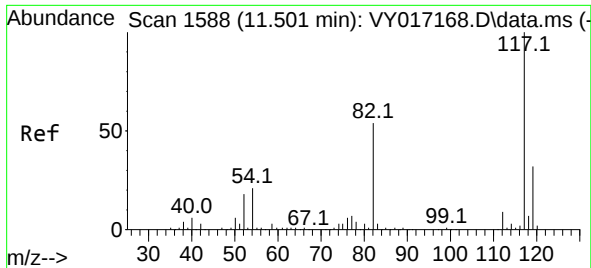
Ion Ratio Lower Upper

95 100

174 76.7 0.0 160.0

176 77.8 0.0 151.8

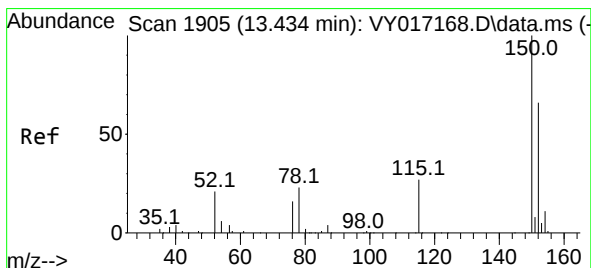
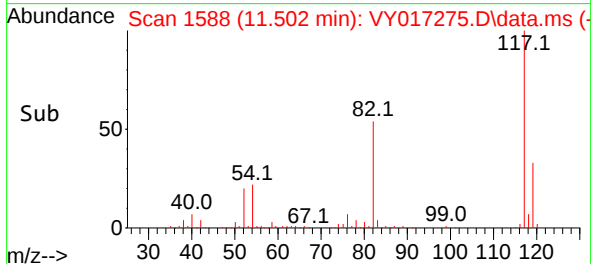
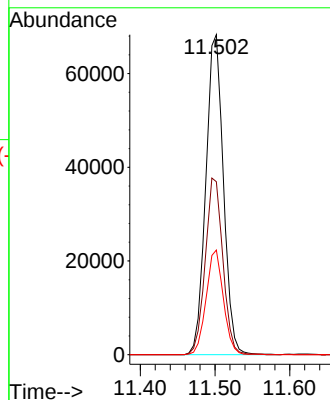
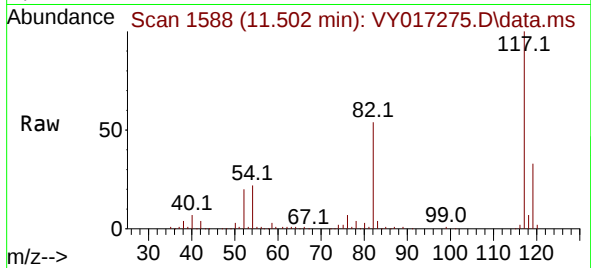




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017275.D  
Acq: 06 Feb 2024 19:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-3

Tgt Ion:117 Resp: 111525  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.8 65.8  
119 32.7 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY017275.D  
Acq: 06 Feb 2024 19:22

Tgt Ion:152 Resp: 44093  
Ion Ratio Lower Upper  
152 100  
115 60.9 30.0 90.0  
150 158.5 0.0 344.6

